



May 10, 2021

**Vista Work Order No. 2103219**

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 March 19, 2021 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. 2103219**

### **Case Narrative**

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

Six soil 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.

#### **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 each preparation batch. No analytes were detected above the sample quantitation limits in the Method Blanks. The OPR recoveries were within the method acceptance criteria.

As requested, a Duplicate was performed on sample "USMPDI-068RAB-10-20-210311". The RPDs were within the acceptance criteria.

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

##### **EPA Method 1699**

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

##### **Holding Times**

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

##### **Quality Control**

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



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

As requested, a Duplicate was performed on sample "USMPDI-068RAB-10-20-210311". The RPDs were within the acceptance criteria.

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

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2103219-01	USMPDI-068RAB-00-10-210311	EPA Method 1699	13C10-cis-Nonachlor	H	31.5
2103219-05	USMPDI-069RAB-10-20-210312	EPA Method 1699	13C10-cis-Nonachlor	H	34.4

H = Recovery was outside laboratory 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>
2103219-01	USMPDI-068RAB-00-10-210311	11-Mar-21 13:55	19-Mar-21 11:30	Amber Glass, 120 mL
2103219-02	USMPDI-068RAB-10-20-210311	11-Mar-21 14:40	19-Mar-21 11:30	Amber Glass, 120 mL
2103219-03	USMPDI-068RAB-20-32.1-210312	12-Mar-21 08:20	19-Mar-21 11:30	Amber Glass, 120 mL
2103219-04	USMPDI-069RAB-00-10-210312	12-Mar-21 10:25	19-Mar-21 11:30	Amber Glass, 120 mL
2103219-05	USMPDI-069RAB-10-20-210312	12-Mar-21 11:25	19-Mar-21 11:30	Amber Glass, 120 mL
2103219-06	USMPDI-069RAB-20-36.3-210312	12-Mar-21 13:20	19-Mar-21 11:30	Amber Glass, 120 mL

## **ANALYTICAL RESULTS**

Sample ID: Method Blank					EPA Method 1613B			
Matrix: Solid Sample Size: 10.0 g		QC Batch: B1C0211 Date Extracted: 26-Mar-2021 7:28		Lab Sample: B1C0211-BLK1 Date Analyzed: 09-Apr-21 11:56 Column: ZB-DIOXIN				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.102			IS 13C-2,3,7,8-TCDD	111	25 - 164	
1,2,3,7,8-PeCDD	ND	0.121			13C-1,2,3,7,8-PeCDD	119	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.144			13C-1,2,3,4,7,8-HxCDD	117	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.158			13C-1,2,3,6,7,8-HxCDD	115	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.165			13C-1,2,3,7,8,9-HxCDD	113	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.175			13C-1,2,3,4,6,7,8-HpCDD	103	23 - 140	
OCDD	ND	0.818			13C-OCDD	62.9	17 - 157	
2,3,7,8-TCDF	ND	0.0574			13C-2,3,7,8-TCDF	121	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0689			13C-1,2,3,7,8-PeCDF	121	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0571			13C-2,3,4,7,8-PeCDF	129	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0689			13C-1,2,3,4,7,8-HxCDF	113	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0681			13C-1,2,3,6,7,8-HxCDF	112	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0759			13C-2,3,4,6,7,8-HxCDF	113	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0922			13C-1,2,3,7,8,9-HxCDF	115	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0704			13C-1,2,3,4,6,7,8-HpCDF	105	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.112			13C-1,2,3,4,7,8,9-HpCDF	105	26 - 138	
OCDF	ND	0.209			13C-OCDF	79.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	114	35 - 197	
					<b>Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)</b>			
					TEQMinWHO2005Dioxin 0.00			
<b>TOTALS</b>								
Total TCDD	ND	0.102						
Total PeCDD	ND		0.117					
Total HxCDD	ND	0.165						
Total HpCDD	ND	0.175						
Total TCDF	ND	0.0574						
Total PeCDF	ND	0.0689						
Total HxCDF	ND	0.0922						
Total HpCDF	ND	0.112						

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: B1C0211 Date Extracted: 26-Mar-2021 7:28			Lab Sample: B1C0211-BS1 Date Analyzed: 09-Apr-21 10:23 Column: ZB-DIOXIN		
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	16.5	20.0	82.4	67 - 158	IS 13C-2,3,7,8-TCDD	111	20 - 175
1,2,3,7,8-PeCDD	83.2	100	83.2	70 - 142	13C-1,2,3,7,8-PeCDD	122	21 - 227
1,2,3,4,7,8-HxCDD	83.7	100	83.7	70 - 164	13C-1,2,3,4,7,8-HxCDD	111	21 - 193
1,2,3,6,7,8-HxCDD	83.3	100	83.3	76 - 134	13C-1,2,3,6,7,8-HxCDD	112	25 - 163
1,2,3,7,8,9-HxCDD	86.1	100	86.1	64 - 162	13C-1,2,3,7,8,9-HxCDD	108	21 - 193
1,2,3,4,6,7,8-HpCDD	88.1	100	88.1	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	99.8	26 - 166
OCDD	177	200	88.5	78 - 144	13C-OCDD	68.3	13 - 199
2,3,7,8-TCDF	15.4	20.0	76.9	75 - 158	13C-2,3,7,8-TCDF	115	22 - 152
1,2,3,7,8-PeCDF	82.3	100	82.3	80 - 134	13C-1,2,3,7,8-PeCDF	125	21 - 192
2,3,4,7,8-PeCDF	82.5	100	82.5	68 - 160	13C-2,3,4,7,8-PeCDF	129	13 - 328
1,2,3,4,7,8-HxCDF	84.2	100	84.2	72 - 134	13C-1,2,3,4,7,8-HxCDF	109	19 - 202
1,2,3,6,7,8-HxCDF	87.0	100	87.0	84 - 130	13C-1,2,3,6,7,8-HxCDF	111	21 - 159
2,3,4,6,7,8-HxCDF	86.9	100	86.9	70 - 156	13C-2,3,4,6,7,8-HxCDF	111	22 - 176
1,2,3,7,8,9-HxCDF	84.0	100	84.0	78 - 130	13C-1,2,3,7,8,9-HxCDF	110	17 - 205
1,2,3,4,6,7,8-HpCDF	86.1	100	86.1	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	101	21 - 158
1,2,3,4,7,8,9-HpCDF	83.6	100	83.6	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	101	20 - 186
OCDF	167	200	83.4	63 - 170	13C-OCDF	78.8	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	107	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B1D0075 Date Extracted: 12-Apr-2021 9:56		Lab Sample: B1D0075-BLK1 Date Analyzed: 19-Apr-21 18:10 Column: ZB-DIOXIN					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0493			IS 13C-2,3,7,8-TCDD	80.8	25 - 164		
1,2,3,7,8-PeCDD	ND	0.0794			13C-1,2,3,7,8-PeCDD	81.5	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.139			13C-1,2,3,4,7,8-HxCDD	80.0	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.144			13C-1,2,3,6,7,8-HxCDD	78.6	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.143			13C-1,2,3,7,8,9-HxCDD	78.2	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.0666			13C-1,2,3,4,6,7,8-HpCDD	81.1	23 - 140		
OCDD	ND	0.349			13C-OCDD	68.7	17 - 157		
2,3,7,8-TCDF	ND	0.0376			13C-2,3,7,8-TCDF	98.4	24 - 169		
1,2,3,7,8-PeCDF	ND	0.0891			13C-1,2,3,7,8-PeCDF	93.4	24 - 185		
2,3,4,7,8-PeCDF	ND	0.0749			13C-2,3,4,7,8-PeCDF	91.8	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0513			13C-1,2,3,4,7,8-HxCDF	96.3	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0499			13C-1,2,3,6,7,8-HxCDF	95.3	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0680			13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.0916			13C-1,2,3,7,8,9-HxCDF	80.2	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0668			13C-1,2,3,4,6,7,8-HpCDF	79.1	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0623			13C-1,2,3,4,7,8,9-HpCDF	84.4	26 - 138		
OCDF	ND	0.0865			13C-OCDF	72.6	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	107	35 - 197		
					<b>Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)</b>				
					TEQMinWHO2005Dioxin		0.00		
<b>TOTALS</b>									
Total TCDD	ND	0.0493							
Total PeCDD	ND	0.0794							
Total HxCDD	ND	0.144							
Total HpCDD	ND	0.0666							
Total TCDF	ND	0.0376							
Total PeCDF	ND		0.0274						
Total HxCDF	ND	0.0916							
Total HpCDF	ND	0.0668							

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: B1D0075 Date Extracted: 12-Apr-2021 9:56			Lab Sample: B1D0075-BS1 Date Analyzed: 16-Apr-21 11:46 Column: ZB-DIOXIN		
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	23.0	20.0	115	67 - 158	IS 13C-2,3,7,8-TCDD	94.5	20 - 175
1,2,3,7,8-PeCDD	114	100	114	70 - 142	13C-1,2,3,7,8-PeCDD	93.5	21 - 227
1,2,3,4,7,8-HxCDD	118	100	118	70 - 164	13C-1,2,3,4,7,8-HxCDD	81.0	21 - 193
1,2,3,6,7,8-HxCDD	113	100	113	76 - 134	13C-1,2,3,6,7,8-HxCDD	83.8	25 - 163
1,2,3,7,8,9-HxCDD	114	100	114	64 - 162	13C-1,2,3,7,8,9-HxCDD	79.8	21 - 193
1,2,3,4,6,7,8-HpCDD	113	100	113	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	73.3	26 - 166
OCDD	218	200	109	78 - 144	13C-OCDD	62.7	13 - 199
2,3,7,8-TCDF	22.6	20.0	113	75 - 158	13C-2,3,7,8-TCDF	85.3	22 - 152
1,2,3,7,8-PeCDF	117	100	117	80 - 134	13C-1,2,3,7,8-PeCDF	82.4	21 - 192
2,3,4,7,8-PeCDF	114	100	114	68 - 160	13C-2,3,4,7,8-PeCDF	85.6	13 - 328
1,2,3,4,7,8-HxCDF	112	100	112	72 - 134	13C-1,2,3,4,7,8-HxCDF	75.8	19 - 202
1,2,3,6,7,8-HxCDF	114	100	114	84 - 130	13C-1,2,3,6,7,8-HxCDF	84.4	21 - 159
2,3,4,6,7,8-HxCDF	114	100	114	70 - 156	13C-2,3,4,6,7,8-HxCDF	84.7	22 - 176
1,2,3,7,8,9-HxCDF	113	100	113	78 - 130	13C-1,2,3,7,8,9-HxCDF	82.7	17 - 205
1,2,3,4,6,7,8-HpCDF	114	100	114	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	75.6	21 - 158
1,2,3,4,7,8,9-HpCDF	114	100	114	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	74.6	20 - 186
OCDF	232	200	116	63 - 170	13C-OCDF	63.2	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	130	31 - 191

LCL-UCL - Lower control limit - upper control limit



**Sample ID: USMPDI-068RAB-00-10-210311** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Soil	Lab Sample: 2103219-01      Date Received: 19-Mar-2021 11:30
Project: Gascosiltronic: US Moorings	Sample Size: 12.6 g	QC Batch: B1C0211      Date Extracted: 26-Mar-2021 7:28
Date Collected: 11-Mar-2021 13:55	% Solids: 82.6	Date Analyzed : 09-Apr-21 15:02      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.118			IS 13C-2,3,7,8-TCDD	106	25 - 164	
1,2,3,7,8-PeCDD	0.299			J	13C-1,2,3,7,8-PeCDD	114	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.308			13C-1,2,3,4,7,8-HxCDD	105	32 - 141	
1,2,3,6,7,8-HxCDD	1.34			J	13C-1,2,3,6,7,8-HxCDD	109	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.313			13C-1,2,3,7,8,9-HxCDD	109	32 - 141	
1,2,3,4,6,7,8-HpCDD	19.6				13C-1,2,3,4,6,7,8-HpCDD	101	23 - 140	
OCDD	145				13C-OCDD	74.1	17 - 157	
2,3,7,8-TCDF	0.534				13C-2,3,7,8-TCDF	108	24 - 169	
1,2,3,7,8-PeCDF	0.433			J	13C-1,2,3,7,8-PeCDF	110	24 - 185	
2,3,4,7,8-PeCDF	0.842			J	13C-2,3,4,7,8-PeCDF	111	21 - 178	
1,2,3,4,7,8-HxCDF	0.695			J	13C-1,2,3,4,7,8-HxCDF	107	26 - 152	
1,2,3,6,7,8-HxCDF	0.476			J	13C-1,2,3,6,7,8-HxCDF	107	26 - 123	
2,3,4,6,7,8-HxCDF	0.574			J	13C-2,3,4,6,7,8-HxCDF	102	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.171		13C-1,2,3,7,8,9-HxCDF	107	29 - 147	
1,2,3,4,6,7,8-HpCDF	4.24				13C-1,2,3,4,6,7,8-HpCDF	102	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.224			13C-1,2,3,4,7,8,9-HpCDF	102	26 - 138	
OCDF	5.77				13C-OCDF	77.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	106	35 - 197	

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

TEQMinWHO2005Dioxin      1.21

<b>TOTALS</b>		
Total TCDD	1.98	2.43
Total PeCDD	2.41	3.98
Total HxCDD	10.3	
Total HpCDD	38.1	
Total TCDF	5.20	6.30
Total PeCDF	8.54	8.88
Total HxCDF	8.45	8.93
Total HpCDF	9.97	

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-068RAB-10-20-210311** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Soil	Lab Sample: 2103219-02      Date Received: 19-Mar-2021 11:30
Project: Gascosiltronic: US Moorings	Sample Size: 12.4 g	QC Batch: B1D0075      Date Extracted: 12-Apr-2021 9:56
Date Collected: 11-Mar-2021 14:40	% Solids: 83.1	Date Analyzed: 19-Apr-21 19:39      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0553			IS 13C-2,3,7,8-TCDD	86.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0978			13C-1,2,3,7,8-PeCDD	90.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.114			13C-1,2,3,4,7,8-HxCDD	85.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.110			13C-1,2,3,6,7,8-HxCDD	81.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.105			13C-1,2,3,7,8,9-HxCDD	88.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.18			J	13C-1,2,3,4,6,7,8-HpCDD	86.9	23 - 140	
OCDD	8.52				13C-OCDD	69.1	17 - 157	
2,3,7,8-TCDF	ND	0.0553			13C-2,3,7,8-TCDF	106	24 - 169	
1,2,3,7,8-PeCDF	ND	0.140			13C-1,2,3,7,8-PeCDF	98.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.119			13C-2,3,4,7,8-PeCDF	98.5	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0475			13C-1,2,3,4,7,8-HxCDF	98.0	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0454			13C-1,2,3,6,7,8-HxCDF	98.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0578			13C-2,3,4,6,7,8-HxCDF	91.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0349		13C-1,2,3,7,8,9-HxCDF	86.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.191			J	13C-1,2,3,4,6,7,8-HpCDF	84.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0478			13C-1,2,3,4,7,8,9-HpCDF	87.6	26 - 138	
OCDF	ND		0.175		13C-OCDF	72.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	116	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      0.0163

<b>TOTALS</b>								
Total TCDD	ND	0.0553						
Total PeCDD	ND		0.167					
Total HxCDD	0.383		0.769					
Total HpCDD	2.36							
Total TCDF	ND	0.0553						
Total PeCDF	ND	0.140						
Total HxCDF	0.0765		0.111					
Total HpCDF	0.191							

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-068RAB-10-20-210311		QC Batch: B1D0075		Lab Sample: B1D0075-DUP2				
Source LabNumber: 2103219-02		Date Extracted: 12-Apr-2021 9:56		Date Analyzed: 19-Apr-21 20:23 Column: ZB-DIOXIN				
Matrix: Solid								
Sample Size: 13.6 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0598			IS 13C-2,3,7,8-TCDD	81.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0891			13C-1,2,3,7,8-PeCDD	89.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0946			13C-1,2,3,4,7,8-HxCDD	98.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.100			13C-1,2,3,6,7,8-HxCDD	89.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0943			13C-1,2,3,7,8,9-HxCDD	100	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.02			J	13C-1,2,3,4,6,7,8-HpCDD	82.8	23 - 140	
OCDD	8.81				13C-OCDD	65.1	17 - 157	
2,3,7,8-TCDF	ND	0.0414			13C-2,3,7,8-TCDF	104	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0748			13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0732			13C-2,3,4,7,8-PeCDF	98.1	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0413			13C-1,2,3,4,7,8-HxCDF	96.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0429			13C-1,2,3,6,7,8-HxCDF	93.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0433			13C-2,3,4,6,7,8-HxCDF	104	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0192		13C-1,2,3,7,8,9-HxCDF	93.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0505			13C-1,2,3,4,6,7,8-HpCDF	88.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0586			13C-1,2,3,4,7,8,9-HpCDF	82.2	26 - 138	
OCDF	ND	0.0839			13C-OCDF	68.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	110	35 - 197	
					<b>Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)</b>			
					TEQMinWHO2005Dioxin 0.0128			
<b>TOTALS</b>								
Total TCDD	ND	0.0598						
Total PeCDD	ND	0.0891						
Total HxCDD	0.457		0.722					
Total HpCDD	2.52							
Total TCDF	ND	0.0414						
Total PeCDF	ND	0.0748						
Total HxCDF	0.0648		0.132					
Total HpCDF	ND	0.0586						

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-068RAB-10-20-210311					Duplicate Lab Sample: B1D0075-DUP2				
Source LabNumber: 2103219-02									
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	81.7	86.8	25 - 164	
1,2,3,7,8-PeCDD	ND	ND	NA	35	13C-1,2,3,7,8-PeCDD	89.4	90.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	ND	NA	35	13C-1,2,3,4,7,8-HxCDD	98.4	85.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	ND	NA	35	13C-1,2,3,6,7,8-HxCDD	89.0	81.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	ND	NA	35	13C-1,2,3,7,8,9-HxCDD	100	88.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.02	1.18	14.9	35	13C-1,2,3,4,6,7,8-HpCDD	82.8	86.9	23 - 140	
OCDD	8.81	8.52	3.29	35	13C-OCDD	65.1	69.1	17 - 157	
2,3,7,8-TCDF	ND	ND	NA	35	13C-2,3,7,8-TCDF	104	106	24 - 169	
1,2,3,7,8-PeCDF	ND	ND	NA	35	13C-1,2,3,7,8-PeCDF	102	98.5	24 - 185	
2,3,4,7,8-PeCDF	ND	ND	NA	35	13C-2,3,4,7,8-PeCDF	98.1	98.5	21 - 178	
1,2,3,4,7,8-HxCDF	ND	ND	NA	35	13C-1,2,3,4,7,8-HxCDF	96.1	98.0	26 - 152	
1,2,3,6,7,8-HxCDF	ND	ND	NA	35	13C-1,2,3,6,7,8-HxCDF	93.2	98.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	ND	NA	35	13C-2,3,4,6,7,8-HxCDF	104	91.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND	ND	NA	35	13C-1,2,3,7,8,9-HxCDF	93.5	86.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.191	#	35	13C-1,2,3,4,6,7,8-HpCDF	88.4	84.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	35	13C-1,2,3,4,7,8,9-HpCDF	82.2	87.6	26 - 138	
OCDF	ND	ND	NA	35	13C-OCDF	68.1	72.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	110	116	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-068RAB-20-32.1-210312** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Soil	Lab Sample: 2103219-03      Date Received: 19-Mar-2021 11:30
Project: Gascosiltronic: US Moorings	Sample Size: 14.8 g	QC Batch: B1C0211      Date Extracted: 26-Mar-2021 7:28
Date Collected: 12-Mar-2021 8:20	% Solids: 68.3	Date Analyzed : 09-Apr-21 17:22      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0922			IS 13C-2,3,7,8-TCDD	119	25 - 164	
1,2,3,7,8-PeCDD	ND	0.128			13C-1,2,3,7,8-PeCDD	126	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.255			13C-1,2,3,4,7,8-HxCDD	121	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.270			13C-1,2,3,6,7,8-HxCDD	119	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.289			13C-1,2,3,7,8,9-HxCDD	117	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.33			J	13C-1,2,3,4,6,7,8-HpCDD	113	23 - 140	
OCDD	13.7				13C-OCDD	75.7	17 - 157	
2,3,7,8-TCDF	ND	0.0399			13C-2,3,7,8-TCDF	129	24 - 169	
1,2,3,7,8-PeCDF	ND		0.0257		13C-1,2,3,7,8-PeCDF	131	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0609			13C-2,3,4,7,8-PeCDF	135	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0586			13C-1,2,3,4,7,8-HxCDF	120	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0632			13C-1,2,3,6,7,8-HxCDF	116	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0720			13C-2,3,4,6,7,8-HxCDF	115	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0451		13C-1,2,3,7,8,9-HxCDF	121	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0701			13C-1,2,3,4,6,7,8-HpCDF	108	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.105			13C-1,2,3,4,7,8,9-HpCDF	112	26 - 138	
OCDF	ND	0.246			13C-OCDF	80.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	118	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      0.0174

<b>TOTALS</b>			
Total TCDD	ND		0.225
Total PeCDD	ND		0.164
Total HxCDD	0.964		
Total HpCDD	3.67		
Total TCDF	0.185		
Total PeCDF	ND		0.0257
Total HxCDF	ND		0.0451
Total HpCDF	ND	0.105	

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-069RAB-00-10-210312** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Soil	Lab Sample: 2103219-04      Date Received: 19-Mar-2021 11:30
Project: Gascosiltronic: US Moorings	Sample Size: 12.8 g	QC Batch: B1C0211      Date Extracted: 26-Mar-2021 7:28
Date Collected: 12-Mar-2021 10:25	% Solids: 78.5	Date Analyzed: 09-Apr-21 18:09      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0989			IS 13C-2,3,7,8-TCDD	93.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.179			13C-1,2,3,7,8-PeCDD	103	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.228			13C-1,2,3,4,7,8-HxCDD	108	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.229			13C-1,2,3,6,7,8-HxCDD	111	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.218			13C-1,2,3,7,8,9-HxCDD	113	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.12			J	13C-1,2,3,4,6,7,8-HpCDD	112	23 - 140	
OCDD	6.49				13C-OCDD	79.5	17 - 157	
2,3,7,8-TCDF	0.542				13C-2,3,7,8-TCDF	94.2	24 - 169	
1,2,3,7,8-PeCDF	0.284			J	13C-1,2,3,7,8-PeCDF	106	24 - 185	
2,3,4,7,8-PeCDF	0.456			J	13C-2,3,4,7,8-PeCDF	109	21 - 178	
1,2,3,4,7,8-HxCDF	ND		0.216		13C-1,2,3,4,7,8-HxCDF	107	26 - 152	
1,2,3,6,7,8-HxCDF	0.240			J	13C-1,2,3,6,7,8-HxCDF	109	26 - 123	
2,3,4,6,7,8-HxCDF	0.259			J	13C-2,3,4,6,7,8-HxCDF	111	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.230			13C-1,2,3,7,8,9-HxCDF	111	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.846			J	13C-1,2,3,4,6,7,8-HpCDF	114	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0961			13C-1,2,3,4,7,8,9-HpCDF	111	26 - 138	
OCDF	ND	0.253			13C-OCDF	83.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	94.6	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      0.271

<b>TOTALS</b>			
Total TCDD	ND		0.319
Total PeCDD	0.0667		0.465
Total HxCDD	0.673		
Total HpCDD	2.37		
Total TCDF	8.07		9.47
Total PeCDF	3.61		5.08
Total HxCDF	2.34		2.56
Total HpCDF	1.36		

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-069RAB-10-20-210312** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Soil	Lab Sample: 2103219-05      Date Received: 19-Mar-2021 11:30
Project: Gascosiltronic: US Moorings	Sample Size: 13.7 g	QC Batch: B1C0211      Date Extracted: 26-Mar-2021 7:28
Date Collected: 12-Mar-2021 11:25	% Solids: 74.9	Date Analyzed: 09-Apr-21 18:56      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0999			IS 13C-2,3,7,8-TCDD	99.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.158			13C-1,2,3,7,8-PeCDD	103	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.186			13C-1,2,3,4,7,8-HxCDD	112	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.195			13C-1,2,3,6,7,8-HxCDD	108	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.201			13C-1,2,3,7,8,9-HxCDD	109	32 - 141	
1,2,3,4,6,7,8-HpCDD	2.16			J	13C-1,2,3,4,6,7,8-HpCDD	103	23 - 140	
OCDD	16.0				13C-OCDD	72.6	17 - 157	
2,3,7,8-TCDF	0.320			J	13C-2,3,7,8-TCDF	97.7	24 - 169	
1,2,3,7,8-PeCDF	ND		0.260		13C-1,2,3,7,8-PeCDF	105	24 - 185	
2,3,4,7,8-PeCDF	0.362			J	13C-2,3,4,7,8-PeCDF	109	21 - 178	
1,2,3,4,7,8-HxCDF	0.486			J	13C-1,2,3,4,7,8-HxCDF	108	26 - 152	
1,2,3,6,7,8-HxCDF	0.224			J	13C-1,2,3,6,7,8-HxCDF	107	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.149			13C-2,3,4,6,7,8-HxCDF	107	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.196			13C-1,2,3,7,8,9-HxCDF	112	29 - 147	
1,2,3,4,6,7,8-HpCDF	1.09			J	13C-1,2,3,4,6,7,8-HpCDF	107	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.144			13C-1,2,3,4,7,8,9-HpCDF	103	26 - 138	
OCDF	1.14			J	13C-OCDF	76.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	102	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      0.249

<b>TOTALS</b>				
Total TCDD	0.377			
Total PeCDD	ND	0.306		
Total HxCDD	1.13			
Total HpCDD	4.97			
Total TCDF	1.26	1.99		
Total PeCDF	2.31	2.97		
Total HxCDF	1.80	1.96		
Total HpCDF	1.92			

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-069RAB-20-36.3-210312** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Soil	Lab Sample: 2103219-06      Date Received: 19-Mar-2021 11:30
Project: Gascosiltronic: US Moorings	Sample Size: 15.0 g	QC Batch: B1C0211      Date Extracted: 26-Mar-2021 7:28
Date Collected: 12-Mar-2021 13:20	% Solids: 67.1	Date Analyzed: 09-Apr-21 19:42      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.109			IS 13C-2,3,7,8-TCDD	113	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0965			13C-1,2,3,7,8-PeCDD	118	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.233			13C-1,2,3,4,7,8-HxCDD	114	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.253			13C-1,2,3,6,7,8-HxCDD	110	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.251			13C-1,2,3,7,8,9-HxCDD	111	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.795			J	13C-1,2,3,4,6,7,8-HpCDD	106	23 - 140	
OCDD	5.73				13C-OCDD	79.9	17 - 157	
2,3,7,8-TCDF	ND	0.0494			13C-2,3,7,8-TCDF	118	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0503			13C-1,2,3,7,8-PeCDF	123	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0479			13C-2,3,4,7,8-PeCDF	124	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0423			13C-1,2,3,4,7,8-HxCDF	113	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0439			13C-1,2,3,6,7,8-HxCDF	112	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0503			13C-2,3,4,6,7,8-HxCDF	110	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0573			13C-1,2,3,7,8,9-HxCDF	114	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0432			13C-1,2,3,4,6,7,8-HpCDF	106	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0609			13C-1,2,3,4,7,8,9-HpCDF	110	26 - 138	
OCDF	ND	0.142			13C-OCDF	82.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	120	35 - 197	

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

TEQMinWHO2005Dioxin      0.00967

<b>TOTALS</b>		
Total TCDD	0.414	
Total PeCDD	ND	0.189
Total HxCDD	0.624	
Total HpCDD	2.02	
Total TCDF	0.336	
Total PeCDF	ND	0.0503
Total HxCDF	ND	0.0573
Total HpCDF	ND	0.0609

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 1699			
Matrix: Solid		QC Batch: B1D0071			Lab Sample: B1D0071-BLK1			
Sample Size: 1.00 g		Date Extracted: 12-Apr-2021 7:33			Date Analyzed: 16-Apr-21 15:41 Column: ZB-50			
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	2.90			IS 13C6-Lindane (gamma-BHC)	75.1	11 - 120	
Aldrin	ND	0.932			IS 13C12-Aldrin	75.0	5 - 120	
Oxychlordane	ND	3.01			IS 13C10-Oxychlordane	77.4	23 - 135	
trans-Chlordane (gamma)	ND	2.92			IS 13C10-trans-Chlordane (gamma)	77.2	21 - 132	
trans-Nonachlor	ND	2.96			IS 13C10-trans-Nonachlor	93.3	14 - 136	
cis-Chlordane (alpha)	ND	2.69			IS 13C12-2,4'-DDE	104	47 - 160	
2,4'-DDE	ND	1.00			IS 13C12-4,4'-DDE	104	47 - 160	
4,4'-DDE	ND	1.42			IS 13C12-Dieldrin	95.7	40 - 151	
Dieldrin	ND	0.927			IS 13C10-cis-Nonachlor	82.3	36 - 139	
cis-Nonachlor	ND	1.90			IS 13C12-2,4'-DDD	95.4	5 - 199	
2,4'-DDD	ND	1.77			IS 13C12-2,4'-DDT	58.0	5 - 199	
2,4'-DDT	ND	4.35			IS 13C12-4,4'-DDD	88.6	5 - 120	
4,4'-DDD	ND	1.96			IS 13C12-4,4'-DDT	59.2	5 - 120	
4,4'-DDT	ND	4.95						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

**Sample ID: OPR** **EPA Method 1699**

Matrix: Solid	QC Batch: B1D0071	Lab Sample: B1D0071-BS1
Sample Size: 1.00 g	Date Extracted: 12-Apr-2021 7:33	Date Analyzed: 16-Apr-21 14:04 Column: ZB-50

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
Lindane (gamma-BHC)	1030	1000	103	50 - 120	IS 13C6-Lindane (gamma-BHC)	78.4	5 - 124
Aldrin	1020	1000	102	50 - 120	IS 13C12-Aldrin	73.8	5 - 126
Oxychlordane	1080	1000	108	50 - 120	IS 13C10-Oxychlordane	73.6	5 - 144
trans-Chlordane (gamma)	1110	1000	111	50 - 120	IS 13C10-trans-Chlordane (gamma)	71.7	15 - 144
trans-Nonachlor	1020	1000	102	50 - 120	IS 13C10-trans-Nonachlor	91.8	13 - 149
cis-Chlordane (alpha)	1060	1000	106	50 - 120	IS 13C12-2,4'-DDE	105	26 - 169
2,4'-DDE	1020	1000	102	24 - 123	IS 13C12-4,4'-DDE	114	26 - 169
4,4'-DDE	1030	1000	103	50 - 120	IS 13C12-Dieldrin	102	19 - 161
Dieldrin	1010	1000	101	50 - 120	IS 13C10-cis-Nonachlor	95.9	17 - 154
cis-Nonachlor	1040	1000	104	50 - 120	IS 13C12-2,4'-DDD	107	14 - 200
2,4'-DDD	1020	1000	102	50 - 120	IS 13C12-2,4'-DDT	66.3	14 - 200
2,4'-DDT	1130	1000	113	50 - 120	IS 13C12-4,4'-DDD	103	14 - 200
4,4'-DDD	992	1000	99.2	42 - 120	IS 13C12-4,4'-DDT	69.6	13 - 200
4,4'-DDT	1040	1000	104	50 - 120			

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank					EPA Method 1699			
Matrix: Solid		QC Batch: B1D0210			Lab Sample: B1D0210-BLK1			
Sample Size: 1.00 g		Date Extracted: 27-Apr-2021 7:49			Date Analyzed: 05-May-21 12:28 Column: ZB-50			
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	3.48			IS 13C6-Lindane (gamma-BHC)	76.9	11 - 120	
Aldrin	ND	0.597			IS 13C12-Aldrin	91.0	5 - 120	
Oxychlordane	ND	2.24			IS 13C10-Oxychlordane	80.9	23 - 135	
trans-Chlordane (gamma)	ND	1.68			IS 13C10-trans-Chlordane (gamma)	87.3	21 - 132	
trans-Nonachlor	ND	1.44			IS 13C10-trans-Nonachlor	74.1	14 - 136	
cis-Chlordane (alpha)	ND	1.30			IS 13C12-2,4'-DDE	65.6	47 - 160	
2,4'-DDE	ND	2.02			IS 13C12-4,4'-DDE	65.1	47 - 160	
4,4'-DDE	ND	2.72			IS 13C12-Dieldrin	51.5	40 - 151	
Dieldrin	ND	1.56			IS 13C10-cis-Nonachlor	56.1	36 - 139	
cis-Nonachlor	ND	2.86			IS 13C12-2,4'-DDD	62.7	5 - 199	
2,4'-DDD	ND	2.72			IS 13C12-2,4'-DDT	54.9	5 - 199	
2,4'-DDT	ND	6.07			IS 13C12-4,4'-DDD	65.9	5 - 120	
4,4'-DDD	ND	2.88			IS 13C12-4,4'-DDT	63.0	5 - 120	
4,4'-DDT	ND	6.17						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

**Sample ID: OPR** **EPA Method 1699**

Matrix: Solid	QC Batch: B1D0210	Lab Sample: B1D0210-BS1
Sample Size: 1.00 g	Date Extracted: 27-Apr-2021 7:49	Date Analyzed: 05-May-21 10:53 Column: ZB-50

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
Lindane (gamma-BHC)	1010	1000	101	50 - 120	IS 13C6-Lindane (gamma-BHC)	77.3	5 - 124
Aldrin	901	1000	90.1	50 - 120	IS 13C12-Aldrin	92.3	5 - 126
Oxychlordane	851	1000	85.1	50 - 120	IS 13C10-Oxychlordane	95.7	5 - 144
trans-Chlordane (gamma)	930	1000	93.0	50 - 120	IS 13C10-trans-Chlordane (gamma)	91.9	15 - 144
trans-Nonachlor	941	1000	94.1	50 - 120	IS 13C10-trans-Nonachlor	72.2	13 - 149
cis-Chlordane (alpha)	926	1000	92.6	50 - 120	IS 13C12-2,4'-DDE	69.4	26 - 169
2,4'-DDE	897	1000	89.7	24 - 123	IS 13C12-4,4'-DDE	71.3	26 - 169
4,4'-DDE	880	1000	88.0	50 - 120	IS 13C12-Dieldrin	56.2	19 - 161
Dieldrin	918	1000	91.8	50 - 120	IS 13C10-cis-Nonachlor	59.8	17 - 154
cis-Nonachlor	959	1000	95.9	50 - 120	IS 13C12-2,4'-DDD	71.8	14 - 200
2,4'-DDD	894	1000	89.4	50 - 120	IS 13C12-2,4'-DDT	66.2	14 - 200
2,4'-DDT	975	1000	97.5	50 - 120	IS 13C12-4,4'-DDD	78.0	14 - 200
4,4'-DDD	929	1000	92.9	42 - 120	IS 13C12-4,4'-DDT	77.3	13 - 200
4,4'-DDT	915	1000	91.5	50 - 120			

LCL-UCL - Lower control limit - upper control limit

**Sample ID: USMPDI-068RAB-00-10-210311**

**EPA Method 1699**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Soil	Lab Sample:	2103219-01	Date Received:	19-Mar-2021 11:30
Project:	Gascosiltronic: US Moorings	Sample Size:	2.35 g	QC Batch:	B1D0071	Date Extracted:	12-Apr-2021 7:33
Date Collected:	11-Mar-2021 13:55	% Solids:	82.6	Date Analyzed:	16-Apr-21 20:31	Column:	ZB-50
					21-Apr-21 06:25	Column:	ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	1.97			IS 13C6-Lindane (gamma-BHC)	52.1	11 - 120	
Aldrin	ND	1.39			IS 13C12-Aldrin	45.1	5 - 120	
Oxychlordane	ND	6.07			IS 13C10-Oxychlordane	39.7	23 - 135	
trans-Chlordane (gamma)	38.7				IS 13C10-trans-Chlordane (gamma)	31.3	21 - 132	
trans-Nonachlor	57.2				IS 13C10-trans-Nonachlor	44.8	14 - 136	
cis-Chlordane (alpha)	56.2				IS 13C12-2,4'-DDE	100	47 - 160	
2,4'-DDE	74.2				IS 13C12-4,4'-DDE	86.9	47 - 160	
4,4'-DDE	2940				IS 13C12-Dieldrin	44.2	40 - 151	
Dieldrin	ND		56.1		IS 13C10-cis-Nonachlor	31.5	36 - 139	H
cis-Nonachlor	ND	10.5			IS 13C12-2,4'-DDD	40.2	5 - 199	
2,4'-DDD	113				IS 13C12-2,4'-DDT	22.0	5 - 199	
2,4'-DDT	1830				IS 13C12-4,4'-DDD	30.1	5 - 120	
4,4'-DDD	410				IS 13C12-4,4'-DDT	33.4	5 - 120	D
4,4'-DDT	11500			D				

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

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

**Sample ID: USMPDI-068RAB-10-20-210311**

**EPA Method 1699**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Soil	Lab Sample:	2103219-02
Project:	Gascosiltronic: US Moorings	Sample Size:	1.63 g	QC Batch:	B1D0071
Date Collected:	11-Mar-2021 14:40	% Solids:	83.1	Date Received:	19-Mar-2021 11:30
				Date Extracted:	12-Apr-2021 7:33
				Date Analyzed:	16-Apr-21 16:29 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	1.69			IS 13C6-Lindane (gamma-BHC)	74.8	11 - 120	
Aldrin	ND	3.96			IS 13C12-Aldrin	12.4	5 - 120	
Oxychlordane	ND	1.70			IS 13C10-Oxychlordane	83.6	23 - 135	
trans-Chlordane (gamma)	ND	1.78			IS 13C10-trans-Chlordane (gamma)	80.0	21 - 132	
trans-Nonachlor	ND	1.70			IS 13C10-trans-Nonachlor	87.4	14 - 136	
cis-Chlordane (alpha)	ND	1.54			IS 13C12-2,4'-DDE	101	47 - 160	
2,4'-DDE	ND	0.644			IS 13C12-4,4'-DDE	99.1	47 - 160	
4,4'-DDE	48.0				IS 13C12-Dieldrin	79.1	40 - 151	
Dieldrin	ND		2.50		IS 13C10-cis-Nonachlor	70.8	36 - 139	
cis-Nonachlor	ND	2.64			IS 13C12-2,4'-DDD	81.2	5 - 199	
2,4'-DDD	ND		4.69		IS 13C12-2,4'-DDT	46.8	5 - 199	
2,4'-DDT	31.5				IS 13C12-4,4'-DDD	71.1	5 - 120	
4,4'-DDD	28.2			J	IS 13C12-4,4'-DDT	44.3	5 - 120	
4,4'-DDT	134							

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

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

Sample ID: Duplicate					EPA Method 1699			
Source Client ID: USMPDI-068RAB-10-20-210311		QC Batch: B1D0071		Lab Sample: B1D0071-DUP1				
Source LabNumber: 2103219-02		Date Extracted: 12-Apr-2021 7:33		Date Analyzed: 16-Apr-21 17:18 Column: ZB-50				
Matrix: Solid								
Sample Size: 2.08 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	1.07			IS 13C6-Lindane (gamma-BHC)	89.5	11 - 120	
Aldrin	ND	3.17			IS 13C12-Aldrin	7.20	5 - 120	
Oxychlordane	ND	1.18			IS 13C10-Oxychlordane	51.8	23 - 135	
trans-Chlordane (gamma)	ND		3.10		IS 13C10-trans-Chlordane (gamma)	48.9	21 - 132	
trans-Nonachlor	ND	1.25			IS 13C10-trans-Nonachlor	70.6	14 - 136	
cis-Chlordane (alpha)	ND	1.13			IS 13C12-2,4'-DDE	79.3	47 - 160	
2,4'-DDE	ND	0.703			IS 13C12-4,4'-DDE	71.4	47 - 160	
4,4'-DDE	49.4				IS 13C12-Dieldrin	61.9	40 - 151	
Dieldrin	ND	1.30			IS 13C10-cis-Nonachlor	51.2	36 - 139	
cis-Nonachlor	ND	3.06			IS 13C12-2,4'-DDD	85.4	5 - 199	
2,4'-DDD	ND	1.82			IS 13C12-2,4'-DDT	60.0	5 - 199	
2,4'-DDT	32.6				IS 13C12-4,4'-DDD	73.7	5 - 120	
4,4'-DDD	ND		9.03		IS 13C12-4,4'-DDT	57.0	5 - 120	
4,4'-DDT	178							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate					EPA Method 1699			
Source Client ID: USMPDI-068RAB-10-20-210311					Duplicate Lab Sample: B1D0071-DUP1			
Source LabNumber: 2103219-02								
Matrix: Solid								
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Labeled Standard	Dup %R	Source %R	LCL-UCL
Lindane (gamma-BHC)	ND	ND	NA	35	IS 13C6-Lindane (gamma-BHC)	89.5	74.8	11 - 120
Aldrin	ND	ND	NA	35	IS 13C12-Aldrin	7.20	12.4	5 - 120
Oxychlordane	ND	ND	NA	35	IS 13C10-Oxychlordane	51.8	83.6	23 - 135
trans-Chlordane (gamma)	ND	ND	NA	35	IS 13C10-trans-Chlordane (gamma)	48.9	80.0	21 - 132
trans-Nonachlor	ND	ND	NA	35	IS 13C10-trans-Nonachlor	70.6	87.4	14 - 136
cis-Chlordane (alpha)	ND	ND	NA	35	IS 13C12-2,4'-DDE	79.3	101	47 - 160
2,4'-DDE	ND	ND	NA	35	IS 13C12-4,4'-DDE	71.4	99.1	47 - 160
4,4'-DDE	49.4	48.0	2.83	35	IS 13C12-Dieldrin	61.9	79.1	40 - 151
Dieldrin	ND	ND	NA	35	IS 13C10-cis-Nonachlor	51.2	70.8	36 - 139
cis-Nonachlor	ND	ND	NA	35	IS 13C12-2,4'-DDD	85.4	81.2	5 - 199
2,4'-DDD	ND	ND	NA	35	IS 13C12-2,4'-DDT	60.0	46.8	5 - 199
2,4'-DDT	32.6	31.5	3.30	35	IS 13C12-4,4'-DDD	73.7	71.1	5 - 120
4,4'-DDD	ND	28.2	#	35	IS 13C12-4,4'-DDT	57.0	44.3	5 - 120
4,4'-DDT	178	134	28.4	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: USMPDI-068RAB-20-32.1-210312**

**EPA Method 1699**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Soil	Lab Sample:	2103219-03	Date Received:	19-Mar-2021 11:30
Project:	Gascosiltronic: US Moorings	Sample Size:	2.68 g	QC Batch:	B1D0071	Date Extracted:	12-Apr-2021 7:33
Date Collected:	12-Mar-2021 8:20	% Solids:	68.3	Date Analyzed:	06-May-21 13:43	Column:	ZB-50
				16-Apr-21 18:06 Column: ZB-50			

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	0.829			IS 13C6-Lindane (gamma-BHC)	84.0	11 - 120	
Aldrin	ND	8.89		D	IS 13C12-Aldrin	13.3	5 - 120	D
Oxychlordane	ND	1.16			IS 13C10-Oxychlordane	64.2	23 - 135	
trans-Chlordane (gamma)	ND	1.36			IS 13C10-trans-Chlordane (gamma)	55.6	21 - 132	
trans-Nonachlor	ND	1.45			IS 13C10-trans-Nonachlor	80.5	14 - 136	
cis-Chlordane (alpha)	ND	1.32			IS 13C12-2,4'-DDE	108	47 - 160	
2,4'-DDE	ND	0.606			IS 13C12-4,4'-DDE	98.9	47 - 160	
4,4'-DDE	ND	0.906			IS 13C12-Dieldrin	66.5	40 - 151	
Dieldrin	ND	1.60			IS 13C10-cis-Nonachlor	59.3	36 - 139	
cis-Nonachlor	ND	3.42			IS 13C12-2,4'-DDD	71.8	5 - 199	
2,4'-DDD	ND	1.32			IS 13C12-2,4'-DDT	34.8	5 - 199	
2,4'-DDT	ND	3.72			IS 13C12-4,4'-DDD	58.2	5 - 120	
4,4'-DDD	ND	1.83			IS 13C12-4,4'-DDT	31.4	5 - 120	
4,4'-DDT	ND	5.12						

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

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

**Sample ID: USMPDI-069RAB-00-10-210312**

**EPA Method 1699**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Soil	Lab Sample:	2103219-04
Project:	Gascosiltronic: US Moorings	Sample Size:	2.09 g	QC Batch:	B1D0071
Date Collected:	12-Mar-2021 10:25	% Solids:	78.5	Date Analyzed:	16-Apr-21 21:19 Column: ZB-50
					21-Apr-21 07:14 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	1.72			IS 13C6-Lindane (gamma-BHC)	54.4	11 - 120	
Aldrin	ND	1.40			IS 13C12-Aldrin	47.1	5 - 120	
Oxychlordane	ND	6.21			IS 13C10-Oxychlordane	33.7	23 - 135	
trans-Chlordane (gamma)	17.9			J	IS 13C10-trans-Chlordane (gamma)	28.3	21 - 132	
trans-Nonachlor	ND	9.29			IS 13C10-trans-Nonachlor	44.9	14 - 136	
cis-Chlordane (alpha)	ND	8.44			IS 13C12-2,4'-DDE	107	47 - 160	
2,4'-DDE	80.0				IS 13C12-4,4'-DDE	83.2	47 - 160	
4,4'-DDE	3820				IS 13C12-Dieldrin	45.4	40 - 151	
Dieldrin	ND	7.88			IS 13C10-cis-Nonachlor	38.7	36 - 139	
cis-Nonachlor	ND	17.9			IS 13C12-2,4'-DDD	42.4	5 - 199	
2,4'-DDD	57.2				IS 13C12-2,4'-DDT	24.7	5 - 199	
2,4'-DDT	2220				IS 13C12-4,4'-DDD	33.6	5 - 120	
4,4'-DDD	236				IS 13C12-4,4'-DDT	34.0	5 - 120	D
4,4'-DDT	11900			D				

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

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

**Sample ID: USMPDI-069RAB-10-20-210312**

**EPA Method 1699**

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Soil	Lab Sample:	2103219-05
Project:	Gascosiltronic: US Moorings	Sample Size:	1.81 g	QC Batch:	B1D0071
Date Collected:	12-Mar-2021 11:25	% Solids:	74.9	Date Received:	19-Mar-2021 11:30
				Date Extracted:	12-Apr-2021 7:33
				Date Analyzed:	16-Apr-21 22:08 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	2.39			IS 13C6-Lindane (gamma-BHC)	56.2	11 - 120	
Aldrin	ND	1.58			IS 13C12-Aldrin	54.0	5 - 120	
Oxychlordane	ND	8.17			IS 13C10-Oxychlordane	40.6	23 - 135	
trans-Chlordane (gamma)	ND	8.44			IS 13C10-trans-Chlordane (gamma)	32.7	21 - 132	
trans-Nonachlor	ND	11.7			IS 13C10-trans-Nonachlor	46.8	14 - 136	
cis-Chlordane (alpha)	ND	10.7			IS 13C12-2,4'-DDE	99.3	47 - 160	
2,4'-DDE	16.3			J	IS 13C12-4,4'-DDE	84.4	47 - 160	
4,4'-DDE	596				IS 13C12-Dieldrin	43.7	40 - 151	
Dieldrin	ND		16.2		IS 13C10-cis-Nonachlor	34.4	36 - 139	H
cis-Nonachlor	ND	14.1			IS 13C12-2,4'-DDD	38.0	5 - 199	
2,4'-DDD	30.6				IS 13C12-2,4'-DDT	17.5	5 - 199	
2,4'-DDT	482				IS 13C12-4,4'-DDD	28.2	5 - 120	
4,4'-DDD	90.2				IS 13C12-4,4'-DDT	14.7	5 - 120	
4,4'-DDT	2010							

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

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

**Sample ID: USMPDI-069RAB-20-36.3-210312**

**EPA Method 1699**

Client Data		Sample Data		Laboratory Data				
Name:	Anchor QEA, LLC	Matrix:	Soil	Lab Sample:	2103219-06	Date Received:	19-Mar-2021 11:30	
Project:	Gascosiltronic: US Moorings	Sample Size:	2.13 g	QC Batch:	B1D0071	Date Extracted:	12-Apr-2021 7:33	
Date Collected:	12-Mar-2021 13:20	% Solids:	67.1	Date Analyzed:	06-May-21 12:20	Column:	ZB-50	
				16-Apr-21 18:54				
				Column:				ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	1.66			IS 13C6-Lindane (gamma-BHC)	60.5	11 - 120	
Aldrin	ND	33.9		D	IS 13C12-Aldrin	7.47	5 - 120	D
Oxychlordane	ND	2.32			IS 13C10-Oxychlordane	68.7	23 - 135	
trans-Chlordane (gamma)	ND	2.56			IS 13C10-trans-Chlordane (gamma)	63.3	21 - 132	
trans-Nonachlor	ND	2.58			IS 13C10-trans-Nonachlor	69.6	14 - 136	
cis-Chlordane (alpha)	ND	2.34			IS 13C12-2,4'-DDE	95.7	47 - 160	
2,4'-DDE	ND	0.738			IS 13C12-4,4'-DDE	96.5	47 - 160	
4,4'-DDE	14.5			J	IS 13C12-Dieldrin	57.2	40 - 151	
Dieldrin	ND	1.36			IS 13C10-cis-Nonachlor	53.5	36 - 139	
cis-Nonachlor	ND	2.57			IS 13C12-2,4'-DDD	58.3	5 - 199	
2,4'-DDD	ND	2.48			IS 13C12-2,4'-DDT	28.1	5 - 199	
2,4'-DDT	ND	7.72			IS 13C12-4,4'-DDD	47.4	5 - 120	
4,4'-DDD	11.3			J	IS 13C12-4,4'-DDT	24.7	5 - 120	
4,4'-DDT	ND	9.51						

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

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

## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
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
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

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

### Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
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
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	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
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
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	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	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



2103219 2.4°C



ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: GascoSiltronic: US Moorings  
Client: NW Natural

COC ID: VISTA-20210315-093508  
Sample Custodian: SN  
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
016	USMPDI-066RAB-10-20-210315	N	SO	03/15/2021	11:40	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
017	USMPDI-066RAB-20-22.5-210315	N	SO	03/15/2021	13:05	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
018	USMPDI-067RAB-00-10-210316	N	SO	03/16/2021	10:05	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
019	USMPDI-067RAB-10-20-210316	N	SO	03/16/2021	11:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
020	USMPDI-067RAB-20-21.9-210316	N	SO	03/16/2021	11:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
021	USMPDI-068RAB-00-10-210311	N	SO	03/11/2021	13:55	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:					
Received By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>
Print Name: <i>Sasha Norwood</i>	Print Name: <i>Karen Y. Doyle</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>Anchor OEA</i>	Company: <i>UAL</i>	Company:	Company:	Company:	Company:
Date/Time: <i>3/18/21 @ 14:55</i>	Date/Time: <i>2/18/21 11:20</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 3/18/2021

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

2103219



ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: GascoSiltronic: US Moorings  
Client: NW Natural

COC ID: VISTA-20210315-093508  
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
021	USMPDI-068RAB-00-10-210311	N	SO	03/11/2021	13:55	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides Total solids (VISTA)	E1613B E1699 SM2540G	30 30 30	4°C 4°C 4°C
022	USMPDI-068RAB-10-20-210311	N	SO	03/11/2021	14:40	2	<input checked="" type="checkbox"/>	Dioxin/Furans HR Pesticides Total solids (VISTA)	E1613B E1699 SM2540G	30 30 30	4°C 4°C 4°C
023	USMPDI-068RAB-20-32.1-210312	N	SO	03/12/2021	8:20	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides Total solids (VISTA)	E1613B E1699 SM2540G	30 30 30	4°C 4°C 4°C
024	USMPDI-069RAB-00-10-210312	N	SO	03/12/2021	10:25	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides Total solids (VISTA)	E1613B E1699 SM2540G	30 30 30	4°C 4°C 4°C
025	USMPDI-069RAB-10-20-210312	N	SO	03/12/2021	11:25	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides Total solids (VISTA)	E1613B E1699 SM2540G	30 30 30	4°C 4°C 4°C
026	USMPDI-069RAB-20-36.3-210312	N	SO	03/12/2021	13:20	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides Total solids (VISTA)	E1613B E1699 SM2540G	30 30 30	4°C 4°C 4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: <i>Sasha Wassenaar</i>	Print Name: <i>Karen Y. Dost</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>Anchor OEA</i>	Company: <i>VAE</i>	Company:	Company:	Company:	Company:
Date/Time: <i>3/18/21 @ 4:30</i>	Date/Time: <i>03/17/21 11:20</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 3/18/2021

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

2103219



ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: GascoSiltronic: US Moorings  
Client: NW Natural

COC ID: VISTA-20210315-093508  
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
026	USMPDI-069RAB-20-36.3-210312	N	SO	03/12/2021	13:20	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

D) WO # 2103216

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: Sisha Norwood	Print Name: Karen L. Austin	Print Name:	Print Name:	Print Name:	Print Name:
Company: Anchor OEA	Company: VAL	Company:	Company:	Company:	Company:
Date/Time: 3/18/21 @ 1:35	Date/Time: 03/19/21 11:30	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 3/18/2021

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

Page 6 of 6

# Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2107219 TAT STJ

<b>Samples Arrival:</b>	<b>Date/Time:</b> <u>07/19/21 11:30</u>	<b>Initials:</b> <u>K2</u>	<b>Location:</b> <u>WR-2</u>
<b>Delivered By:</b>	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
<b>Preservation:</b>	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Techni Ice
<b>Temp °C:</b> <u>7.4</u> (uncorrected)	<b>Probe used:</b> Y / <input checked="" type="checkbox"/> N		<b>Thermometer ID:</b> <u>IR-4</u>
<b>Temp °C:</b> <u>7.4</u> (corrected)			
	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other	
	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None	
			<b>Shelf/Rack:</b> <u>N10</u>

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill <input checked="" type="checkbox"/>	Trk # <u>7732 0430 4374</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	Vista	<input checked="" type="checkbox"/> Client	Retain
		<input checked="" type="checkbox"/> 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"/>
<b>Logged In:</b>	<b>Date/Time:</b> <u>07/27/21 08:09</u>	<b>Initials:</b> <u>1/2</u>	<b>Location:</b> <u>WR-5</u>
			<b>Shelf/Rack:</b> <u>D-5</u>
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

# CoC/Label Reconciliation Report WO# 2103219

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Report Matrix	Sample Comments
2103219-01	A USMPDI-068RAB-00-10-21031 1	<input checked="" type="checkbox"/>	11-Mar-21 13:55	Amber Glass, 120 mL	Solid	Soil	
2103219-02	A USMPDI-068RAB-10-20-21031 1	<input checked="" type="checkbox"/>	11-Mar-21 14:40	Amber Glass, 120 mL	Solid	Soil	DUP
2103219-02	B USMPDI-068RAB-10-20-21031 1	<input checked="" type="checkbox"/>	11-Mar-21 14:40	Amber Glass, 120 mL	Solid	Soil	DUP
2103219-03	A USMPDI-068RAB-20-32.1-210 312	<input checked="" type="checkbox"/>	12-Mar-21 08:20	Amber Glass, 120 mL	Solid	Soil	
2103219-04	A USMPDI-069RAB-00-10-21031 2	<input checked="" type="checkbox"/>	12-Mar-21 10:25	Amber Glass, 120 mL	Solid	Soil	
2103219-05	A USMPDI-069RAB-10-20-21031 2	<input checked="" type="checkbox"/>	12-Mar-21 11:25	Amber Glass, 120 mL	Solid	Soil	
2103219-06	A USMPDI-069RAB-20-36.3-210 312	<input checked="" type="checkbox"/>	12-Mar-21 13:20	Amber Glass, 120 mL	Solid	Soil	

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

	Yes	No	NA	Comments:
Sample Container Intact?	/			
Sample Custody Seals Intact?			/	
Adequate Sample Volume?	/			
Container Type Appropriate for Analysis(es)	/			

Preservation Documented: Na2S2O3    Trizma    NH4CH3CO2    None  
ALC    Other

Verified by/Date: Yg 03/23/21

## **EXTRACTION INFORMATION**

Process Sheet  
Workorder: 2103219

Prep Expiration: 2022-03-11  
Client: Anchor QEA, LLC

Workorder Due: 16-Apr-21 00:00

TAT: 28

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

Prep Batch: B1C0211

Prep Data Entered: u 03/30/21  
Date and Initials

Initial Sequence: S1D0011

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2103219-01	<input checked="" type="checkbox"/>	USMPDI-068RAB-00-10-210311	19-Mar-21 11:30	WR-2 D-5	
2103219-02	<input checked="" type="checkbox"/>	USMPDI-068RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	DUP
2103219-03	<input checked="" type="checkbox"/>	USMPDI-068RAB-20-32.1-210312	19-Mar-21 11:30	WR-2 D-5	
2103219-04	<input checked="" type="checkbox"/>	USMPDI-069RAB-00-10-210312	19-Mar-21 11:30	WR-2 D-5	
2103219-05	<input checked="" type="checkbox"/>	USMPDI-069RAB-10-20-210312	19-Mar-21 11:30	WR-2 D-5	
2103219-06	<input checked="" type="checkbox"/>	USMPDI-069RAB-20-36.3-210312	19-Mar-21 11:30	WR-2 D-5	

WO Comments: 1613: 10g dw

1699: DDX, 5 Chlordanes, Dieldrin, Aldrin, Lindane (14 cmpds)

Pre-Prep Check Out: KMT 03/25/21

Prep Check Out: KMT 03/26/21

Prep Reconciled Initials/Date: KMT 03/25/21

Pre-Prep Check In: KMT 03/25/21

Prep Check In: KMT 03/26/21

Spike Reconciled Initials/Date: AM 03/26/21

VialBoxID: Pickle

PREPARATION BENCH SHEET

Matrix: Solid

B1C0211

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 26-Mar-21 07:28

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer:	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	IM 03/28/21	IM 03/28/21	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
A1	B1C0211-BLK1	NA	(10.00)	AO KMT 03/26/21		IM DG 03/28/21	N/A	IM 03/28/21	IM 03/28/21	AO 03/30/21	AO RR 03/30/21	
A2	B1C0211-BS1	NA	(10.00)	T								
B8	B1C0211-DUP1 (2) 2103219-02	12.03	12.48									
B7	2103150-08RE1	13.67	13.96						brown, yellow, black			
A3	2103213-01	5.72	5.81									
A4	2103213-02	5.37	5.52									
A5	2103219-01	12.11	12.58						black yellow black			
A6	2103219-02	12.03	12.28						beige lines, yellow			
A7	2103219-03	14.64	14.79						beige & purple lines			
A8	2103219-04	12.74	12.80						brown yellow brown			
A9	2103219-05	13.35	13.71						brown yellow black			
A10	2103219-06	14.90	15.01						beige & red lines, yellow			
A11	2103221-01 (A)	6.68	6.90						brown yellow black			
A12	2103221-02	6.91	7.30									
B1	2103221-03 (7)	8.52	8.65						white line mid brown gray			

IS: <u>20H2602, 10 mL (V6)</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>KMT 03/26/21</u>	Soxhlet Siphoned Chemist/Date: <u>KMT 03/26/21</u>	Notes: (7) IM 03/28/21 (2) IM 03/28/21 (A) Red flakes in sample before FV AO 03/30/21
NS: <u>20F0107, 10 mL (V4)</u>	Start Date/Time	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>KMT 03/26/21</u>	Vial Transfer Chemist/Date: <u>AO 03/30/21</u>	
PS/CRS: <u>20H2501, 10 mL (V6)</u>	Stop Date/Time	Other <u>N/A</u>	Balance ID: <u>HRMS-08</u>		
RS: <u>20H2502, 10 mL (V5)</u>		Final Volume(s) <u>C14</u> <u>20 mL</u>			
(Dioxin) PCB PAH PEST PBDE HCB Cycle Time: <u>03/26/21 14:20</u> Stop Date/Time: <u>03/27/21 06:55</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

B1C0211

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 26-Mar-21 07:28

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	Florisol CHEM/ DATE	RS CHEM/WIT DATE
B2	2103221-04	8.89	9.09	AO KMT 03/26/21	IM DG 03/28/21	N/A	IM 03/28/21	IM 03/28/21		
B3	2103221-05	9.17	9.25	↓	↓	↓	↓	↓	AO 03/30/21	AO RR 03/30/21
B5	2103221-06	9.14	9.18	↓	↓	↓	↓	↓ brown lines, grey	↓	↓
B6	2103221-07	10.01	10.20	↓	↓	↓	↓	↓	↓	↓

IS: <u>20H2602, 10ul (V6)</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>KMT 03/26/21</u>	Soxhlet Siphoned Chemist/Date: <u>KMT 03/26/21</u>	Notes: ① ABSEA column had beige and maroon lines, gray IM 03/29/21
NS: <u>20FD107, 10ul (V4)</u>	Start Date/Time: <u>03/26/21 1426</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>KMT 03/26/21</u>	Vial Transfer Chemist/Date: <u>AO 03/30/21</u>	
PS/CRS: <u>20H2501, 10ul (V6)</u>	Stop Date/Time: <u>03/27/21 0655</u>	Other: <u>N/A</u>	Balance ID: <u>HRMS-08</u>		
RS: <u>20H2502, 10ul (V5)</u>		Final Volume(s) <u>C14</u> <u>20ml</u>			
Diox/ 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: B1C0211

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103150-08RE1	13.96 ✓	73.17519	10.2153	20	19-Mar-21 06:42	ACO			Soil	1613 Full List
2103213-01	5.81 ✓	87.39725	5.0778	20	26-Mar-21 07:28	ACO			Solid	1613 Full List
2103213-02	5.52 ✓	93.11449	5.1399	20	26-Mar-21 07:28	ACO			Solid	1613 Full List
2103219-01	12.58 ✓	82.6002	10.3911	20	26-Mar-21 07:28	ACO			Soil	1613 Full List
2103219-02	12.28 ✓	83.10709	10.2056	20	26-Mar-21 07:28	ACO			Soil	1613 Full List
2103219-03	14.79 ✓	68.32579	10.1054	20	26-Mar-21 07:28	ACO			Soil	1613 Full List
2103219-04	12.8 ✓	78.4632	10.0433	20	26-Mar-21 07:28	ACO			Soil	1613 Full List
2103219-05	13.71 ✓	74.92064	10.2716	20	26-Mar-21 07:28	ACO			Soil	1613 Full List
2103219-06	15.01 ✓	67.09338	10.0707	20	26-Mar-21 07:28	ACO			Soil	1613 Full List
2103221-01	6.9 ✓	74.86034	5.1654	20	26-Mar-21 07:28	ACO			Sediment	1613 Full List
2103221-02	7.3 ✓	72.40618	5.2857	20	26-Mar-21 07:28	ACO			Sediment	1613 Full List
2103221-03	8.65 ✓	58.69565	5.0772	20	26-Mar-21 07:28	ACO			Sediment	1613 Full List
2103221-04	9.09 ✓	56.25	5.1131	20	26-Mar-21 07:28	ACO			Sediment	1613 Full List
2103221-05	9.25 ✓	54.51837	5.0429	20	26-Mar-21 07:28	ACO			Sediment	1613 Full List
2103221-06	9.18 ✓	54.67695	5.0193	20	26-Mar-21 07:28	ACO			Sediment	1613 Full List
2103221-07	10.2 ✓	49.9527	5.0952	20	26-Mar-21 07:28	ACO			Sediment	1613 Full List
<b>B1C0211-BLK1</b>	<b>10</b>			<b>20</b>	<b>26-Mar-21 07:28</b>	<b>ACO</b>				<b>QC</b>
<b>B1C0211-BS1</b>	<b>10</b>			<b>20</b>	<b>26-Mar-21 07:28</b>	<b>ACO</b>	<b>20F0107 ✓</b>	<b>10 ✓</b>		<b>QC</b>
<b>B1C0211-DUP1</b>	<b>12.48 ✓</b>	<b>83.10709</b>	<b>10.3218</b>	<b>20</b>	<b>26-Mar-21 07:28</b>	<b>ACO</b>				<b>QC</b>

All bolded data on report verified against written benchsheet by (initial/date) W 03/30/21

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B1C0208

Analyst: KMT

Test Code: %Moist/%Solids

Analyte:

Units: %

Oven ID: 01

Dried at 110°C +/- 5°C

02

Data Entry Verified by:

(Initial and Date) KMT 03/26/21

Inst  
HRMS-08

Date/Time IN: 03/25/21 1205  
Date/Time OUT: 03/26/21 0640

Particle Size	SampID	SampType	Initial and Date:		KMT 03/25/21 ✓		KMT 03/26/21 ✓		%Solids RawVal	KMT 03/25/21 ✓				KMT 03/25/21 ✓
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	Visual Inspection	Cl-		pH Before	pH After	Acid Added		
	2103219-01	A	Sample	1.2600	11.4900	9.7100	8.4500	82.60	SOIL	n/a	n/a	N/A	N/A	X
	2103219-02	A	Sample	1.2600	7.8900	6.7700	5.5100	83.11	SAND	n/a	n/a	N/A	N/A	X
	2103219-03	A	Sample	1.2700	10.1100	7.3100	6.0400	68.33	CLAY	n/a	n/a	N/A	N/A	X
	2103219-04	A	Sample	1.2800	10.5200	8.5300	7.2500	78.46	SOIL	n/a	n/a	N/A	N/A	X
	2103219-05	A	Sample	1.2600	10.7100	8.3400	7.0800	74.92	CLAY	n/a	n/a	N/A	N/A	X
	2103219-06	A	Sample	1.2600 ✓	14.5400 ✓	10.1700 ✓	8.9100	67.09	SOIL	n/a	n/a	N/A	N/A	X

\*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B1C0208

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

Inst **HRMS-08**

Date/Time IN: **03/25/21**  
1205  
Date/Time OUT: **03/26/21**  
0640

Particle Size	SampID	SampType	Initial and Date:		KMT 03/25/21		KMT 03/26/21		Dry Sample Weight (g)	%Solids RawVal	KMT 03/25/21				N/A	KMT 03/26/21
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Visual Inspection	Cl-	pH Before			pH After	Acid Added	Sample Homogenized*			
	2103219-01	Sample	1.26	11.49	9.71					Soil	N/A	N/A	N/A	N/A	X	
	2103219-02	Sample	1.26	7.89	6.77					Sand	N/A	N/A	N/A	N/A	X	
	2103219-03	Sample	1.27	10.11	7.31					Clay	N/A	N/A	N/A	N/A	X	
	2103219-04	Sample	1.28	10.52	8.53					Soil	N/A	N/A	N/A	N/A	X	
	2103219-05	Sample	1.26	10.71	8.34					Clay	N/A	N/A	N/A	N/A	X	
	2103219-06	Sample	1.26	14.54	10.17					Soil	N/A	N/A	N/A	N/A	X	

\*Sample homogenized in sample container unless otherwise noted.

RX KJR 4/12/21

# RUSH!

### Process Sheet

Workorder: **2103219**

Prep Expiration: 2022-03-11  
Client: Anchor QEA, LLC

Workorder Due: 16-Apr-21 00:00

TAT: 28

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

Prep Batch: BID0075

Prep Data Entered: IM 04/15/21  
Date and Initials

Initial Sequence: SID0037

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
<del>2103219-01</del>	<input type="checkbox"/>	<del>USMPDI-068RAB-00-10-210311</del>	<del>19-Mar-21 11:30</del>	<del>WR-2 D-5</del>	
2103219-02	A <input checked="" type="checkbox"/>	USMPDI-068RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	DUP
<del>2103219-03</del>	<input type="checkbox"/>	<del>USMPDI-069RAB-00-00-1-210312</del>	<del>19-Mar-21 11:30</del>	<del>WR-2 D-5</del>	
2103219-04	<input type="checkbox"/>	USMPDI-069RAB-00-10-210312	19-Mar-21 11:30	WR-2 D-5	
2103219-05	<input type="checkbox"/>	USMPDI-069RAB-10-20-210312	19-Mar-21 11:30	WR-2 D-5	
<del>2103219-06</del>	<input type="checkbox"/>	<del>USMPDI-069RAB-20-30-3-210312</del>	<del>19-Mar-21 11:30</del>	<del>WR-2 D-5</del>	

WO Comments: 1613: 10g dw

1699: DDX, 5 Chlordanes, Dieldrin, Aldrin, Lindane (14 cmpds)

Pre-Prep Check Out: N/A  
Pre-Prep Check In: N/A

Prep Check Out: IM 04/12/21  
Prep Check In: IM 04/12/21

Prep Reconciled Initials/Date: IM 04/12/21  
Spike Reconciled Initials/Date: OF 04/12/21  
VialBoxID: PICKLE

PREPARATION BENCH SHEET

Matrix: Solid

B1D0075

Chemist: ao

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 12-Apr-21 09:56

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer:	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
					N/A						
A1	BID0075-BLK1	N/A	(10.00)	IM 04/12/21	IM 04/14/21	N/A	IM 04/14/21	IM 04/14/21	IM 04/14/21	IM 04/15/21	IM 04/15/21
A2	BID0075-BS1 (2)	↓	(10.00)	↓	↓	↓	↓	↓	↓	↓	↓
A3	BID0075-DUP1 2104002-04RE1	13.03	14.41	↓	↓	↓	↓	↓	↓	↓	↓
A4	BID0075-DUP2 2103219-02RE1	12.03	13.61	↓	↓	↓	↓	↓	↓	↓	↓
A5	2103219-02RE1	12.03	12.36	↓	↓	↓	↓	↓	↓	↓	↓
A6	2104002-04RE1 (A)	13.03	14.01	↓	↓	↓	↓	↓	↓	↓	↓

IS: <u>2100101, 10µL</u> (V9)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>IM 04/12/21</u>	Soxhlet Siphoned Chemist/Date: <u>IM 04/12/21</u>	Notes: ② IM 04/14/21 ① sample spilled after Flor. Lost <10% IM 04/15/21
NS: <u>20F0107, 10µL</u> (V4)	Start Date/Time <u>04/12/21</u>	SOLV: <u>TOLUENE</u>	Check In: Chemist/Date: <u>IM 04/12/21</u>	Vial Transfer Chemist/Date: <u>IM 04/15/21</u>	
PS/CRS: <u>20H2501, 10µL</u> (V4)	Stop Date/Time <u>04/13/21 0733</u>	Other <u>N/A</u>	Balance ID: <u>HRMS-08</u>		
RS: <u>20H2502, 10µL</u> (V4)		Final Volume(s) <u>20 mL</u> <u>14</u>			
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: B1D0075

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103219-02RE1	12.36 ✓	83.10709	10.2720	20 ✓	12-Apr-21 09:56 ✓	ACO ✓			Soil	1613 Full List
2104002-04RE1	14.01 ✓	76.72253	10.7488	20	12-Apr-21 09:56	ACO			Soil	1613 Full List
B1D0075-BLK1	10 ✓			20	12-Apr-21 09:56	ACO				QC
B1D0075-BS1	10 ✓			20	12-Apr-21 09:56	ACO	20F0107 ✓	10 ✓		QC
B1D0075-DUP1	14.41 ✓			20	12-Apr-21 09:56	ACO				QC
B1D0075-DUP2	13.61 ✓	83.10709	11.3109	20 ✓	12-Apr-21 09:56 ✓	ACO ✓				QC

9/22/21

All bolded data on report verified against written benchsheet by (initial/date) IM 04/15/21

Printed: 4/15/2021 11:07:18AM  
Page 1 of 1

**Process Sheet**  
**Workorder: 2103219**

Prep Expiration: 2022-03-11  
 Client: Anchor QEA, LLC

**Workorder Due: 16-Apr-21 00:00**

TAT: 28

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

Prep Batch: B1D0071

Prep Data Entered: 04/16/21 RP  
Date and Initials

Initial Sequence: S1D0095H

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2103219-01	<input checked="" type="checkbox"/>	USMPDI-068RAB-00-10-210311	19-Mar-21 11:30	WR-2 D-5	
2103219-02	<input checked="" type="checkbox"/>	USMPDI-068RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	DUP
2103219-03	<input checked="" type="checkbox"/>	USMPDI-068RAB-20-32.1-210312	19-Mar-21 11:30	WR-2 D-5	
2103219-04	<input checked="" type="checkbox"/>	USMPDI-069RAB-00-10-210312	19-Mar-21 11:30	WR-2 D-5	
2103219-05	<input checked="" type="checkbox"/>	USMPDI-069RAB-10-20-210312	19-Mar-21 11:30	WR-2 D-5	
2103219-06	<input checked="" type="checkbox"/>	USMPDI-069RAB-20-36.3-210312	19-Mar-21 11:30	WR-2 D-5	

**WO Comments: 1613: 10g dw**

**1699: DDX, 5 Chlordanes, Dieldrin, Aldrin, Lindane (14 cmpds)**

Pre-Prep Check Out: KAT 03/25/21

Prep Check Out: IM 04/12/21

Prep Reconciled Initials/Date: KMP 03/25/21

Pre-Prep Check In: KAT 03/25/21

Prep Check In: \_\_\_\_\_

Spike Reconciled Initials/Date: IM 04/12/21

VialBoxID: FIRE REDS



PREPARATION BENCH SHEET

Matrix: Solid

Method: 1699 Full List

BID0071

Chemist: RR

Prep Date/Time: 12-Apr-21 07:33

Prepared using: HRMS - Soxhlet

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer:	NA	RR 04/14/21	RR 04/16/21	RR 04/16/21	RS CHEM/WIT DATE
					CRS/PS CHEM/WIT DATE	AP CHEM/DATE	ABSG CHEM/DATE	AA CHEM/DATE	Florisil CHEM/DATE	
	BID0071-BLK1	NA	(1.00)	RR ME 04/12/21	NA	NA	RR 04/14/21	RR 04/16/21	RR 04/16/21	RR ME 04/16/21
	BID0071-BS1	↓	(1.00)	↓	↓	↓	↓	↓	↓	↓
	BID0071-DUP1 2103219-02	1.20	2.08	↓	↓	↓	↓	↓	↓	↓
	BID0071-DUP2 2104002-04	1.30	2.16	↓	↓	↓	yellow	↓	↓	↓
	2103219-01	1.21	2.35	↓	↓	↓	↓	↓	↓	↓
	2103219-02	1.20	1.63	↓	↓	↓	↓	↓	↓	↓
	2103219-03	1.46	2.68	↓	↓	↓	↓	↓	↓	↓
	2103219-04	1.27	2.09	↓	↓	↓	yellow	↓	↓	↓
	2103219-05	1.33	1.81	↓	↓	↓	↓	↓	↓	↓
	2103219-06	1.49	2.13	↓	↓	↓	↓	↓	↓	↓
	2104002-03	1.15	1.49	↓	↓	↓	↓	↓	↓	↓
	2104002-04	1.30	1.76	↓	↓	↓	yellow	↓	↓	↓

IS: 20B2016, 10mL (V8)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: IM 04/12/21	Soxhlet Siphoned Chemist/Date: RR 04/12/21	Notes:
NS: 21B04A, 10mL (V2)	Start Date/Time: 04/12/21 1430	SOLV: 70:30 Hex:EtAc	Check In: Chemist/Date:	Vial Transfer Chemist/Date: RR 04/16/21	
PS/CRS: NA	Stop Date/Time: 04/13/21 0733	Other: NA	Balance ID: HRMS-08		
RS: 20B2017, 10mL (V8)		Final Volume(s): 20mL 09			
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: B1D0071

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103219-01	2.35 ✓	82.6002	1.9411	20 ✓	12-Apr-21 07:33	IM ✓			Soil	1699 Full List
2103219-02	1.63 ✓	83.10709	1.3546	20	12-Apr-21 07:33	IM			Soil	1699 Full List
2103219-03	2.68 ✓	68.32579	1.8311	20	12-Apr-21 07:33	IM			Soil	1699 Full List
2103219-04	2.09 ✓	78.4632	1.6399	20	12-Apr-21 07:33	IM			Soil	1699 Full List
2103219-05	1.81 ✓	74.92064	1.3561	20	12-Apr-21 07:33	IM			Soil	1699 Full List
2103219-06	2.13 ✓	67.09338	1.4291 ✓	20	12-Apr-21 07:33	IM			Soil	1699 Full List
2104002-03	1.49 ✓	86.70521	1.2919	20	12-Apr-21 07:33	IM			Soil	1699 Full List
2104002-04	1.76 ✓	76.72253	1.3503	20	12-Apr-21 07:33	IM			Soil	1699 Full List
B1D0071-BLK1	1			20	12-Apr-21 07:33	IM				QC
B1D0071-BS1	1			20	12-Apr-21 07:33	IM	21B0401 ✓	10 ✓		QC
B1D0071-DUP1	2.08 ✓	83.10709	1.7286	20	12-Apr-21 07:33	IM				QC
B1D0071-DUP2	2.16 ✓			20 ✓	12-Apr-21 07:33 ✓	IM ✓				QC

All bolded data on report verified against written benchsheet by (initial/date) RE / 04 / 14 / 21

Printed: 4/16/2021 12:31:54PM  
Page 1 of 1

Process Sheet  
 Workorder: **2103219**

RX

Prep Expiration: 2022-03-11  
 Client: Anchor QEA, LLC

Workorder Due: **16-Apr-21 00:00**  
 TAT: 28

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

Prep Batch: B1D0210

Prep Data Entered: 05/03/21 RR  
Date and Initials

Initial Sequence: S/E 0007

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Date Received	Location	Comments
<del>2103219-01</del>		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-068RAB-00-10-210311	19-Mar-21 11:30	WR-2 D-5	
<del>2103219-02</del>		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-068RAB-10-20-210311	19-Mar-21 11:30	WR-2 D-5	DUP
<u>2103219-03</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-068RAB-20-32.1-210312	19-Mar-21 11:30	WR-2 D-5	
<del>2103219-04</del>		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-069RAB-00-10-210312	19-Mar-21 11:30	WR-2 D-5	
<del>2103219-05</del>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-069RAB-10-20-210312	19-Mar-21 11:30	WR-2 D-5	
<u>2103219-06</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-069RAB-20-36.3-210312	19-Mar-21 11:30	WR-2 D-5	

WO Comments: **1613: 10g dw**

**1699: DDX, 5 Chlordanes, Dieldrin, Aldrin, Lindane (14 cmpds)**

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

Prep Check Out: 00 04/27/21  
 Prep Check In: 00 04/27/21

Prep Reconciled Initials/Date: 00 04/27/21  
 Spike Reconciled Initials/Date: 0F 04/27/21  
 VialBoxID: Sunday

PREPARATION BENCH SHEET

Matrix: Solid

B1D0210

Chemist: RR

Method: 1699 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 27-Apr-21 07:49

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	<del>Chrom/AA</del> CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
	B1D0210-BLK1	NA	(1.00)	RR ME 04/27/21	NA	NA	RR 05/03/21	RR 05/03/21	RR 05/03/21	RR ME 05/03/21
	B1D0210-BS1	J	(1.00)	↓	↓	↓	↓	↓	↓	↓
	2103216-11RE2	1.19	1.31	↓	↓	↓	↓	↓	↓	↓
	2103216-12RE2	1.41	1.46	↓	↓	↓	↓	↓	↓	↓
	2103219-03RE1	1.46	1.48	↓	↓	↓	↓	↓	↓	↓
	2103219-06RE1	1.49	1.79	↓	↓	↓	↓	↓	↓	↓

IS: <u>20B2016</u> <sup>V8</sup> 10mL	Cycle Time	APP: SEFUN SOX <sup>SDS</sup>	Check Out: Chemist/Date: _____	Soxhlet Siphoned Chemist/Date: _____	Notes:
NS: <u>21B0401</u> <sup>V8</sup> 10mL	Start Date/Time 04/27/21 1330	SOLV: <u>70:30</u>	Check In: Chemist/Date: _____	RR 04/27/21	
PS/CRS: <u>NA</u>	Stop Date/Time 04/28/21 040	Other <u>NA</u>	Balance ID: <u>HRMS-08</u>	Vial Transfer Chemist/Date: _____	
RS: <u>20B2017</u> <sup>V8</sup> 10mL		Final Volume(s) <u>0.9</u> <u>20mL</u>			
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: B1D0210

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103216-11RE2	1.31 ✓	84.26573	1.1039	20 ✓	27-Apr-21 07:49	RR ✓			Soil	1699 Full List
2103216-12RE2	1.46 ✓	70.98515	1.0364	20	27-Apr-21 07:49	RR			Soil	1699 Full List
2103219-03RE1	1.48 ✓	68.32579	1.0112	20	27-Apr-21 07:49	RR			Soil	1699 Full List
2103219-06RE1	1.79 ✓	67.09338	1.2010	20	27-Apr-21 07:49	RR			Soil	1699 Full List
B1D0210-BLK1	1 ✓			20	27-Apr-21 07:49	RR				QC
B1D0210-BS1	1 ✓			20 ✓	27-Apr-21 07:49	RR ✓	21B0401 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) RR / 05/03/21

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-5.qld

Last Altered: Saturday, April 10, 2021 12:33:37 Pacific Daylight Time

Printed: Saturday, April 10, 2021 12:36:41 Pacific Daylight Time

*Hc 4-10-2021*

*CT 04/12/2021*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank, Task: ST210409D1\_1

Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD		NO	0.998	10.000					0.102	
2	1,2,3,7,8-PeCDD		NO	0.961	10.000					0.121	
3	1,2,3,4,7,8-HxCDD		NO	1.18	10.000					0.144	
4	1,2,3,6,7,8-HxCDD		NO	1.04	10.000					0.158	
5	1,2,3,7,8,9-HxCDD		NO	1.06	10.000					0.165	
6	1,2,3,4,6,7,8-HpCDD		NO	1.06	10.000					0.175	
7	OCDD		NO	0.977	10.000					0.818	
8	2,3,7,8-TCDF		NO	0.989	10.000					0.0574	
9	1,2,3,7,8-PeCDF		NO	1.02	10.000					0.0689	
10	2,3,4,7,8-PeCDF		NO	1.17	10.000					0.0571	
11	1,2,3,4,7,8-HxCDF		NO	1.14	10.000					0.0689	
12	1,2,3,6,7,8-HxCDF		NO	1.04	10.000					0.0681	
13	2,3,4,6,7,8-HxCDF		NO	1.13	10.000					0.0759	
14	1,2,3,7,8,9-HxCDF		NO	1.07	10.000					0.0922	
15	1,2,3,4,6,7,8-HpCDF		NO	1.11	10.000					0.0704	
16	1,2,3,4,7,8,9-HpCDF		NO	1.32	10.000					0.112	
17	OCDF		NO	0.931	10.000					0.209	
18	13C-2,3,7,8-TCDD	1.72e5	0.84	NO	1.20	10.000	27.06	1.025	221.63	111	0.305
19	13C-1,2,3,7,8-PeCDD	1.33e5	0.62	NO	0.864	10.000	31.21	1.182	238.62	119	0.422
20	13C-1,2,3,4,7,8-HxCDD	9.99e4	1.31	NO	0.600	10.000	34.65	1.014	233.89	117	0.758
21	13C-1,2,3,6,7,8-HxCDD	1.11e5	1.30	NO	0.674	10.000	34.80	1.019	230.30	115	0.674
22	13C-1,2,3,7,8,9-HxCDD	1.09e5	1.28	NO	0.679	10.000	35.10	1.028	225.11	113	0.670
23	13C-1,2,3,4,6,7,8-HpCDD	8.21e4	1.11	NO	0.558	10.000	38.50	1.127	206.54	103	0.947
24	13C-OCDD	8.90e4	0.91	NO	0.496	10.000	42.22	1.236	251.77	62.9	1.61
25	13C-2,3,7,8-TCDF	2.55e5	0.79	NO	1.03	10.000	26.48	1.003	241.78	121	0.336
26	13C-1,2,3,7,8-PeCDF	2.00e5	1.62	NO	0.805	10.000	30.08	1.139	241.74	121	0.775
27	13C-2,3,4,7,8-PeCDF	1.98e5	1.62	NO	0.748	10.000	31.03	1.175	257.74	129	0.834
28	13C-1,2,3,4,7,8-HxCDF	1.56e5	0.50	NO	0.968	10.000	33.68	0.986	226.27	113	0.975
29	13C-1,2,3,6,7,8-HxCDF	1.73e5	0.49	NO	1.08	10.000	33.82	0.990	224.19	112	0.871
30	13C-2,3,4,6,7,8-HxCDF	1.54e5	0.50	NO	0.960	10.000	34.53	1.011	225.11	113	0.984
31	13C-1,2,3,7,8,9-HxCDF	1.43e5	0.50	NO	0.869	10.000	35.67	1.044	230.41	115	1.09

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-5.qld

Last Altered: Saturday, April 10, 2021 12:33:37 Pacific Daylight Time

Printed: Saturday, April 10, 2021 12:36:41 Pacific Daylight Time

Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank, Task: ST210409D1\_1

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC	
32	13C-1,2,3,4,6,7,8-HpCDF	1.19e5	0.43	NO	0.794	10.000	37.28	1.091	210.58	105	1.17	
33	13C-1,2,3,4,7,8,9-HpCDF	8.79e4	0.43	NO	0.586	10.000	39.27	1.150	210.51	105	1.59	
34	13C-OCDF	1.62e5	0.90	NO	0.711	10.000	42.59	1.247	319.46	79.9	0.474	
35	37Cl-2,3,7,8-TCDD	6.50e4			1.11	10.000	27.08	1.025	91.083	114	0.105	
36	13C-1,2,3,4-TCDD	1.29e5	0.77	NO	1.00	10.000	26.40	1.000	200.00	100	0.366	
37	13C-1,2,3,4-TCDF	2.06e5	0.83	NO	1.00	10.000	25.19	1.000	200.00	100	0.345	
38	13C-1,2,3,4,6,9-HxCDF	1.42e5	0.51	NO	1.00	10.000	34.16	1.000	200.00	100	0.945	
39	Total Tetra-Dioxins				0.998	10.000					0.0713	
40	Total Penta-Dioxins				0.961	10.000			0.00000		0.0383	0.117
41	Total Hexa-Dioxins				1.04	10.000					0.0918	
42	Total Hepta-Dioxins				1.06	10.000					0.0866	
43	Total Tetra-Furans				0.989	10.000					0.0171	
44	1st Func. Penta-Furans				1.02	10.000					0.0136	
45	Total Penta-Furans				1.02	10.000					0.0243	
46	Total Hexa-Furans				1.13	10.000					0.0427	
47	Total Hepta-Furans				1.11	10.000					0.0488	



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-5.qld

Last Altered: Saturday, April 10, 2021 12:33:37 Pacific Daylight Time  
 Printed: Saturday, April 10, 2021 12:36:41 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
 Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank, Task: ST210409D1\_1

**Tetra-Dioxins**

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

**Penta-Dioxins**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.74	5.440e2	1.746e3	2.885e1	1.591e2	0.18	YES	0.000e0	0.00000	0.11682	0.0383

**Hexa-Dioxins**

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

**Hepta-Dioxins**

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

**Tetra-Furans**

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

**Penta-Furans function 1**

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

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-5.qld

Last Altered: Saturday, April 10, 2021 12:33:37 Pacific Daylight Time

Printed: Saturday, April 10, 2021 12:36:41 Pacific Daylight Time

Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank, Task: ST210409D1\_1

**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											

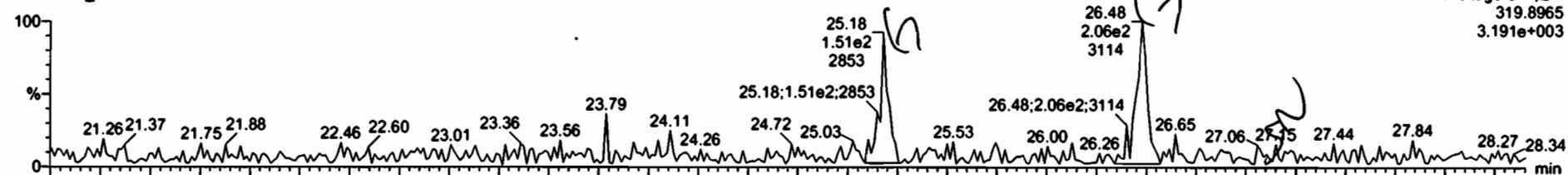
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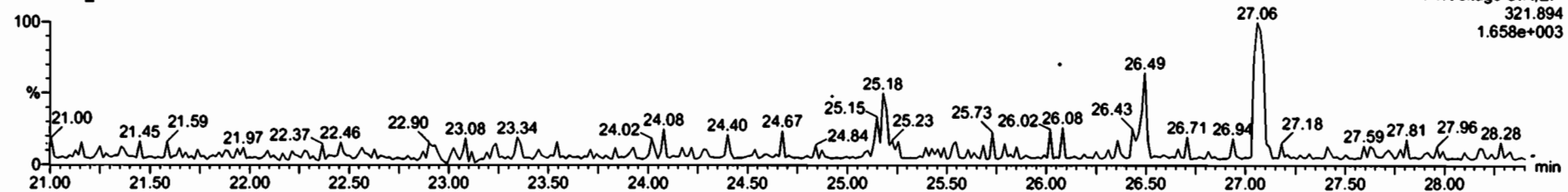
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2,3,7,8-TCDD

210409D1\_5



210409D1\_5

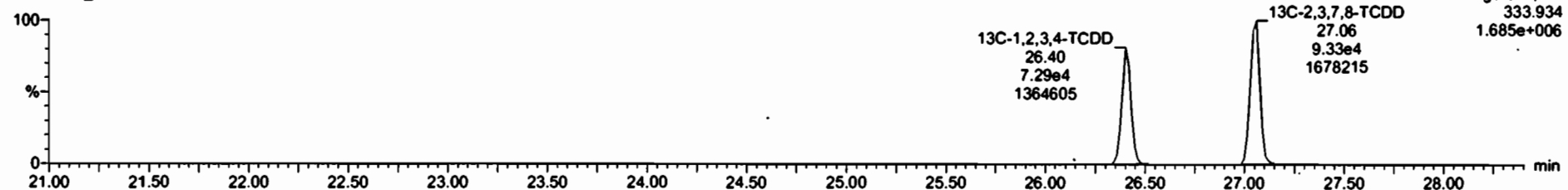


13C-2,3,7,8-TCDD

210409D1\_5



210409D1\_5



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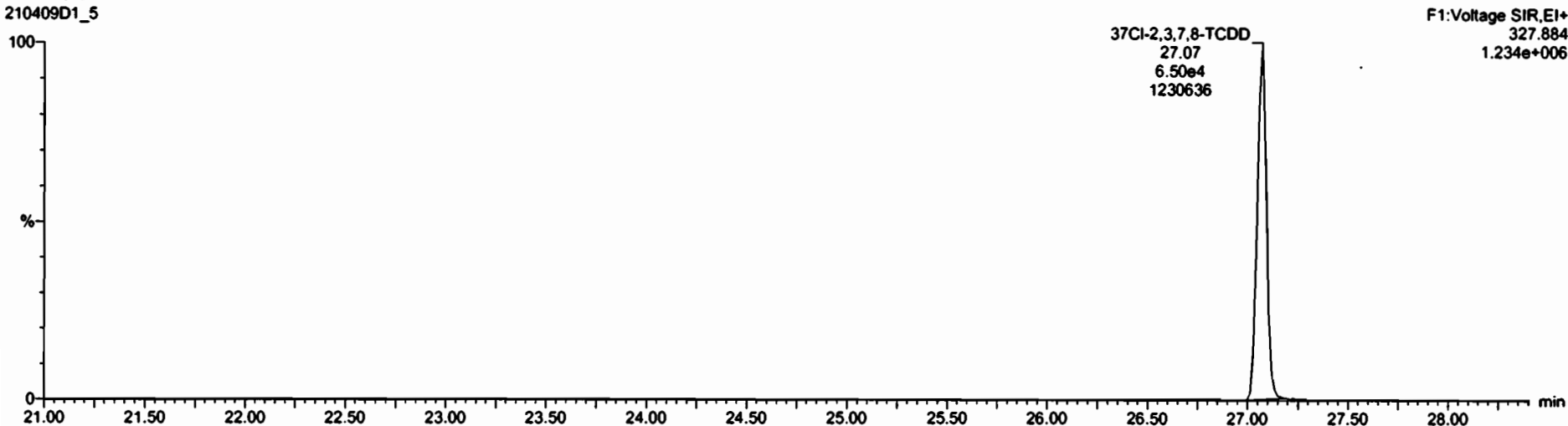
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**37Cl-2,3,7,8-TCDD**

210409D1\_5

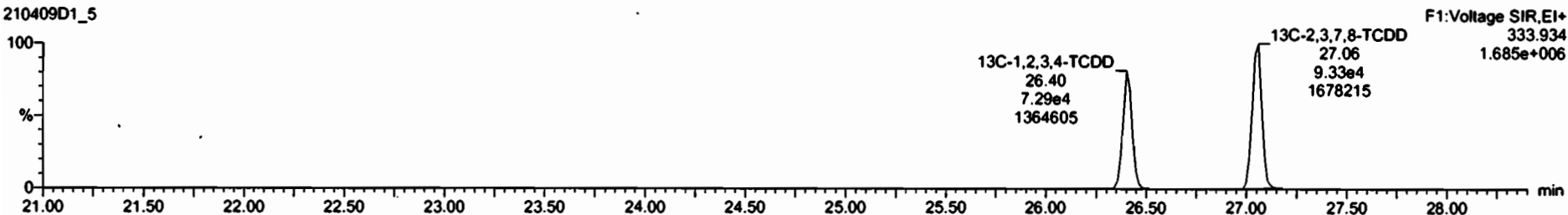


**13C-1,2,3,4-TCDD**

210409D1\_5



210409D1\_5



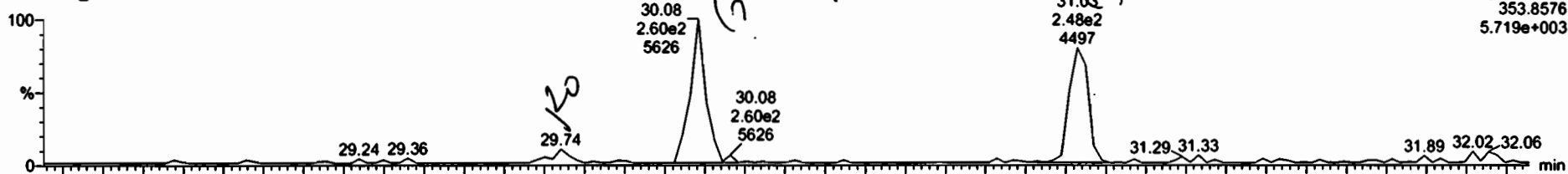
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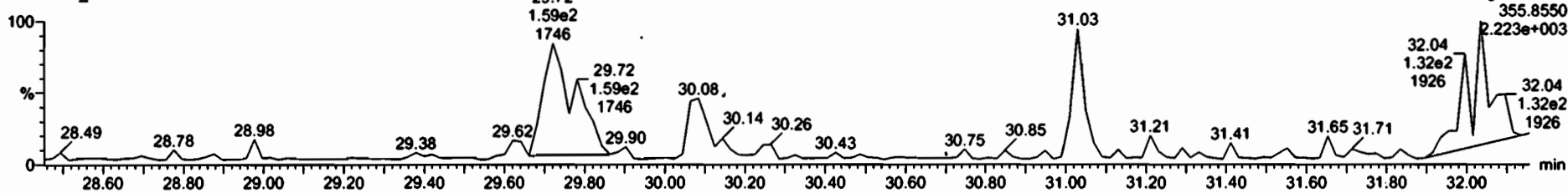
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1,2,3,7,8-PeCDD

210409D1\_5



210409D1\_5

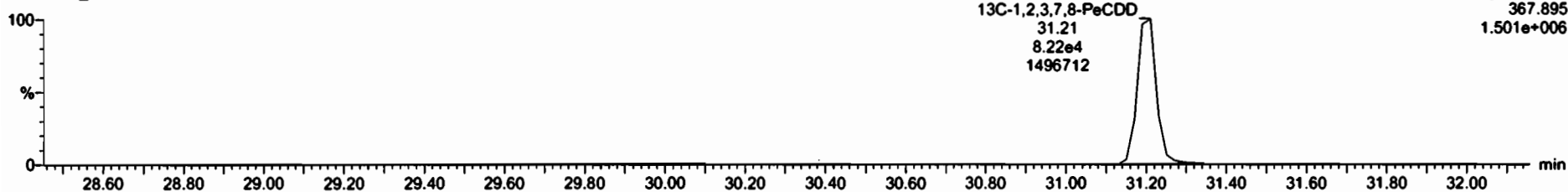


13C-1,2,3,7,8-PeCDD

210409D1\_5

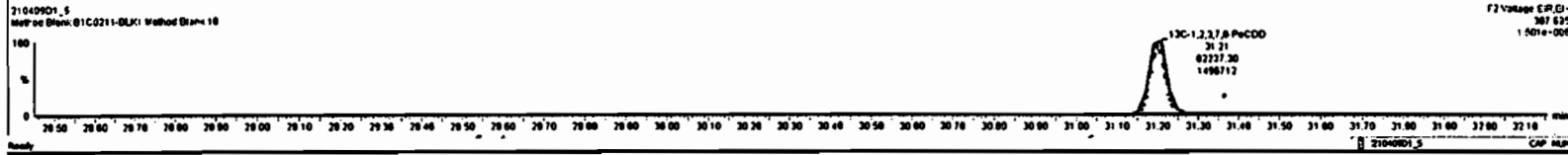
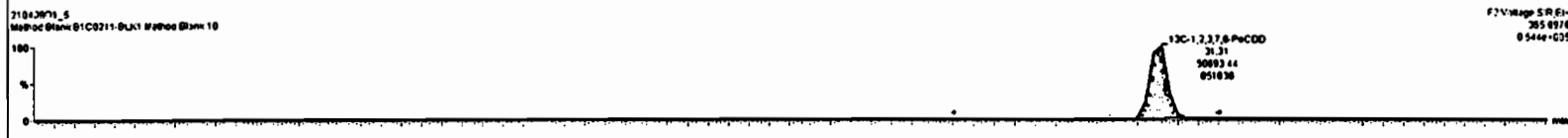
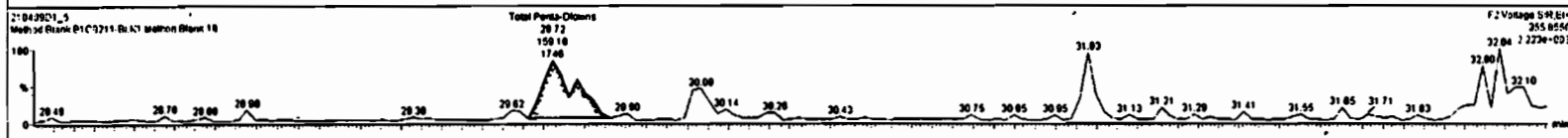
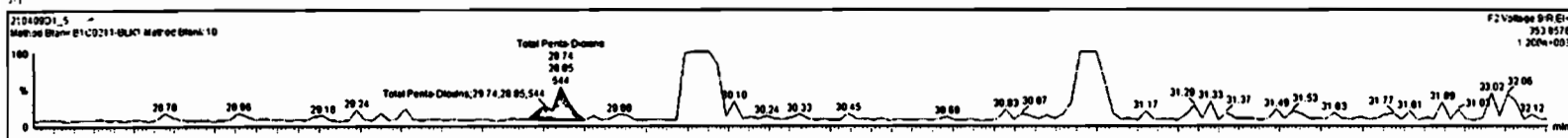


210409D1\_5



Name	Resp	RA	Qty	OFF	Method	RT	RR1	Conc	Area	OL	OLPC
40 Total Penta-Chloro			0.28	10.000				0.000		0.0000	0.117
41 Total Hexa-Chloro			1.04	10.000							
42 Total Hepta-Chloro			1.00	10.000							
43 Total Octa-Chloro			0.88	10.000							

Name	RT	Int Resp	Ext Resp	RA	Qty	OLPC	Conc.
Total Penta-Chloro	28.74	2.085e1	1.891e2	0.18	YES	0.11882	0.00000

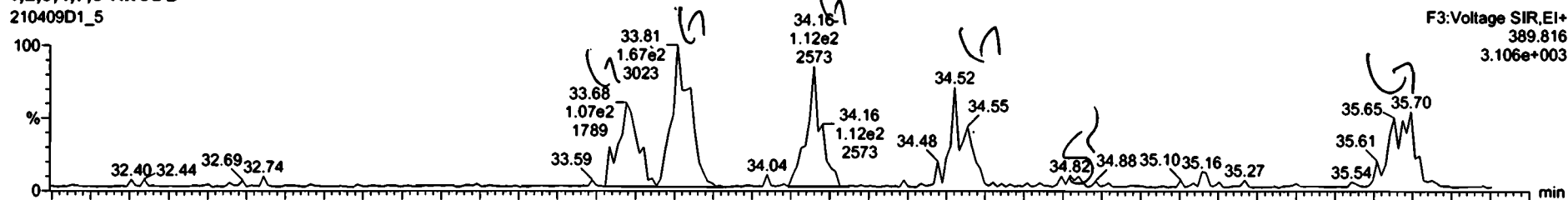


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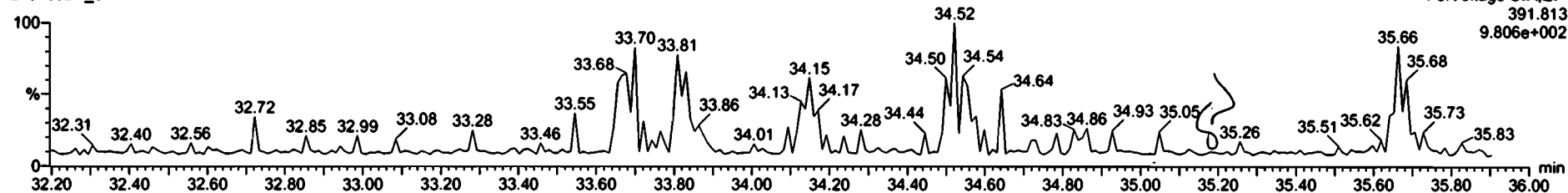
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank

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



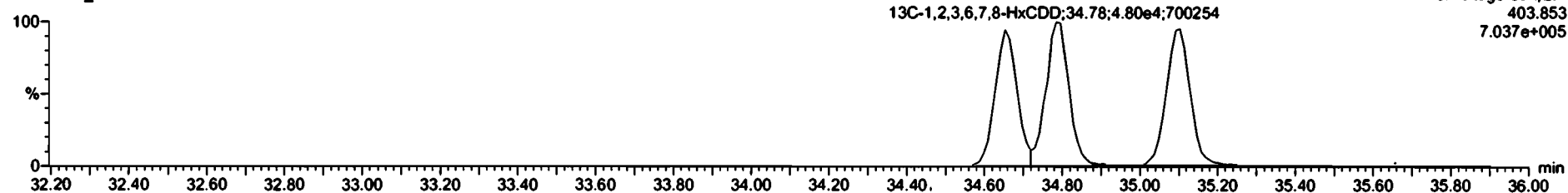
210409D1\_5



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



210409D1\_5



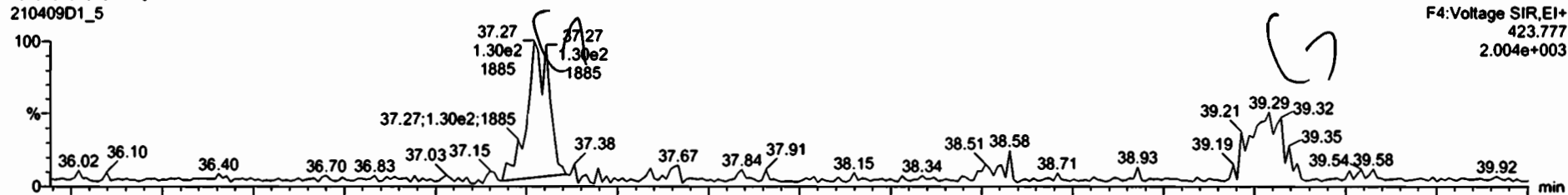
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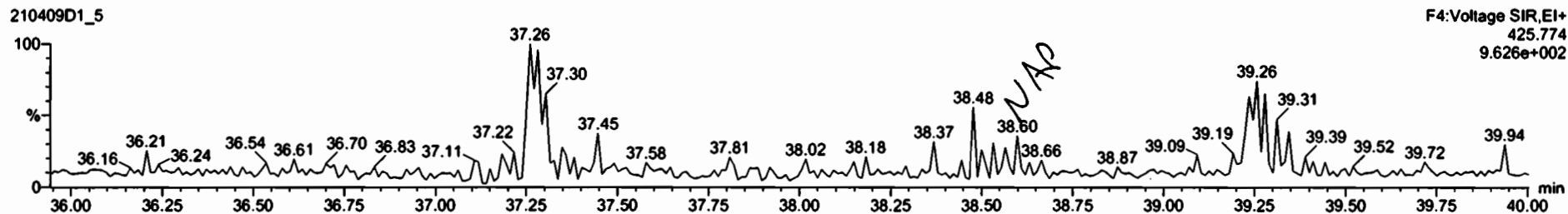
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1,2,3,4,6,7,8-HpCDD

210409D1\_5

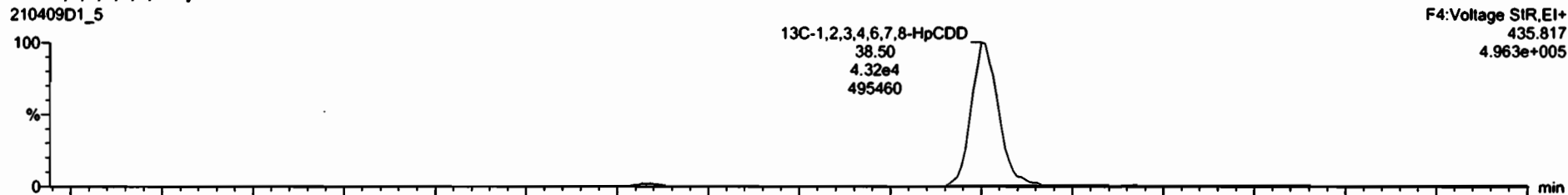


210409D1\_5

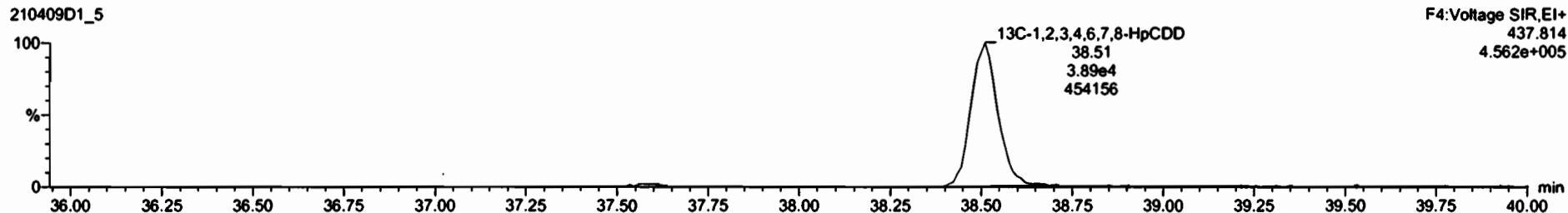


13C-1,2,3,4,6,7,8-HpCDD

210409D1\_5



210409D1\_5





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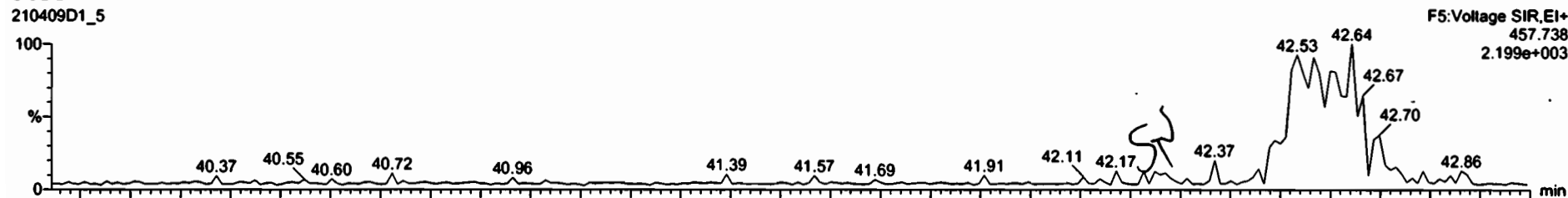
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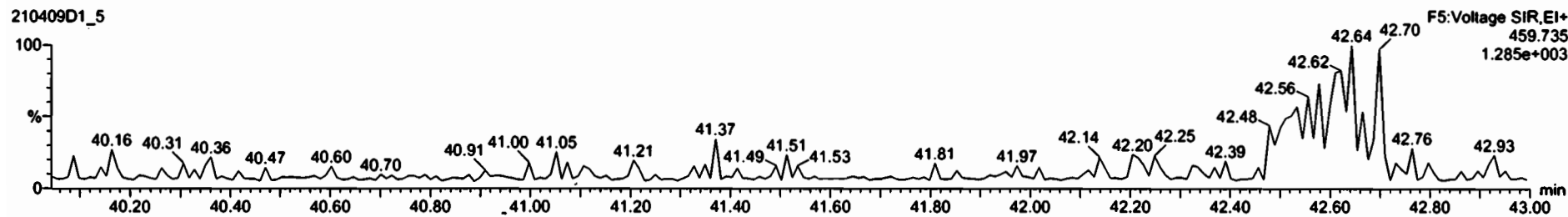
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OCDD

210409D1\_5



210409D1\_5

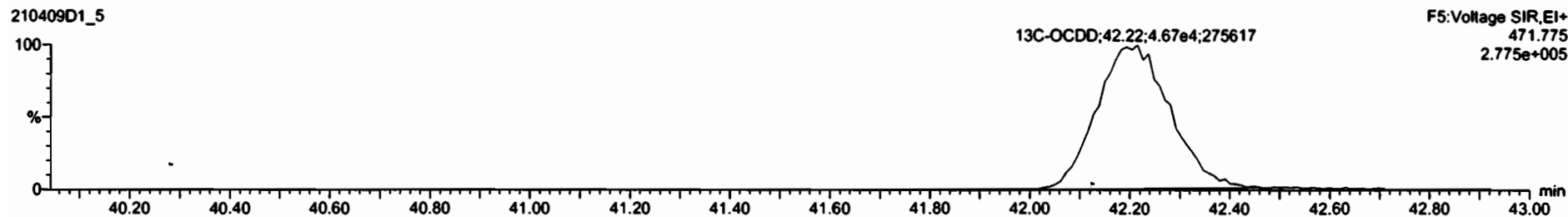


13C-OCDD

210409D1\_5



210409D1\_5

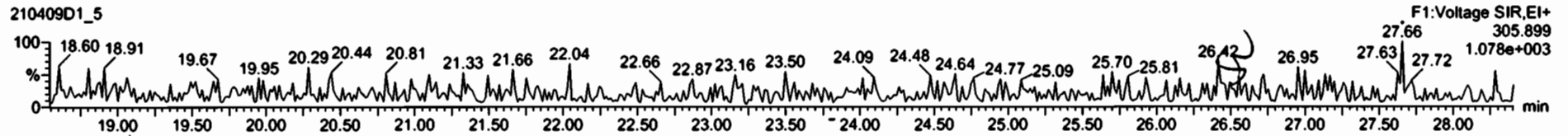
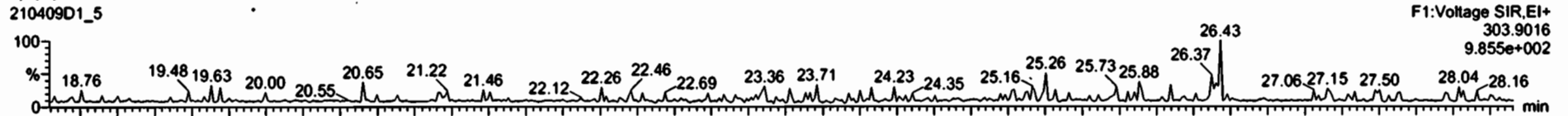


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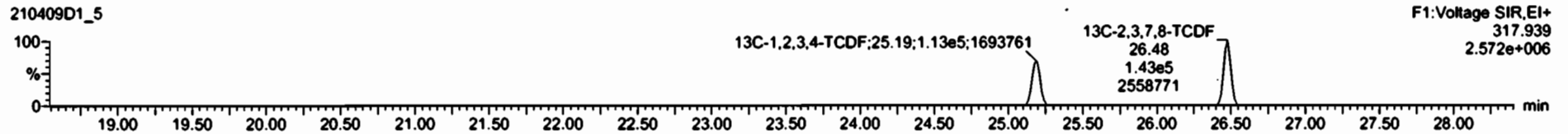
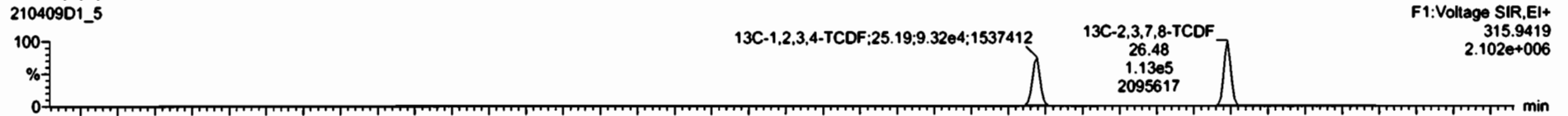
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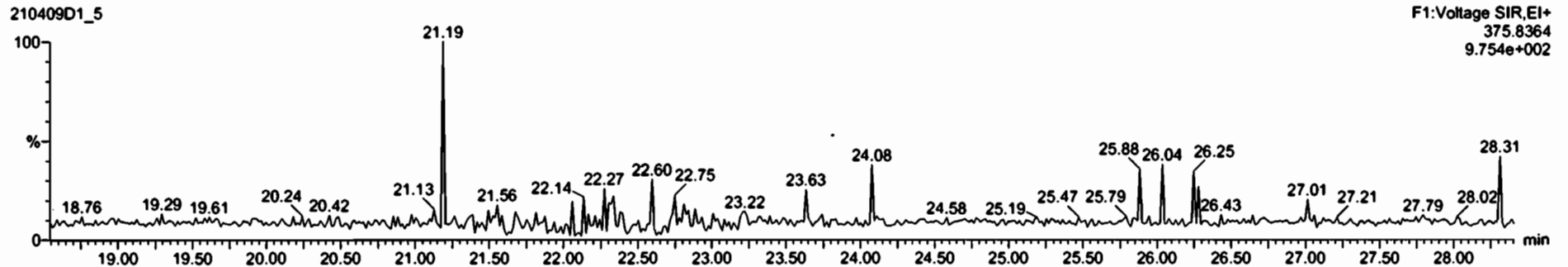
2,3,7,8-TCDF



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



DPE1



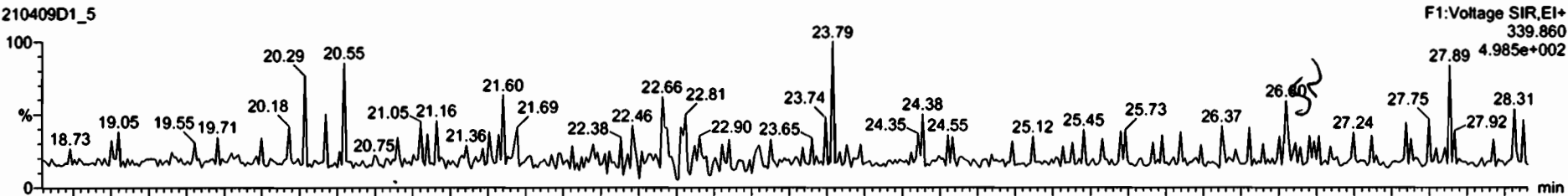
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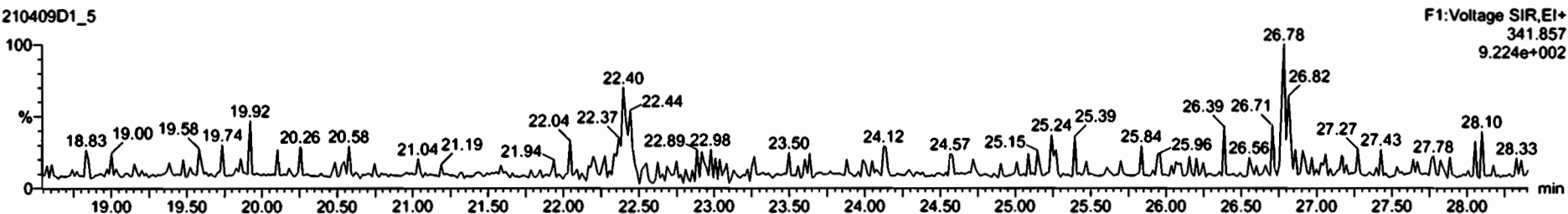
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1st Func. Penta-Furans

210409D1\_5

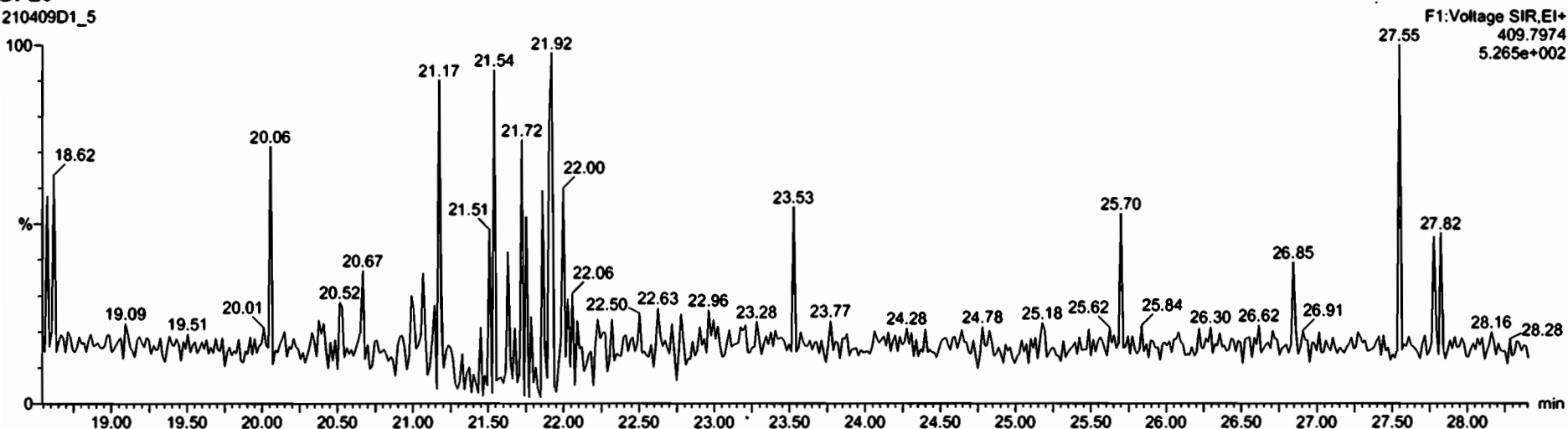


210409D1\_5



DPE6

210409D1\_5



Dataset: Untitled

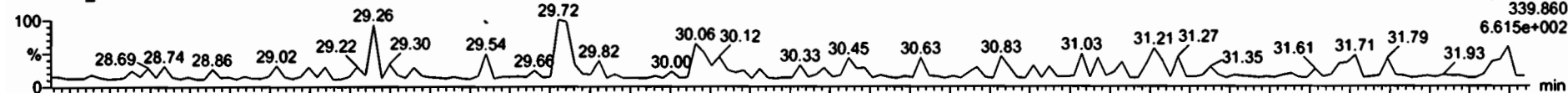
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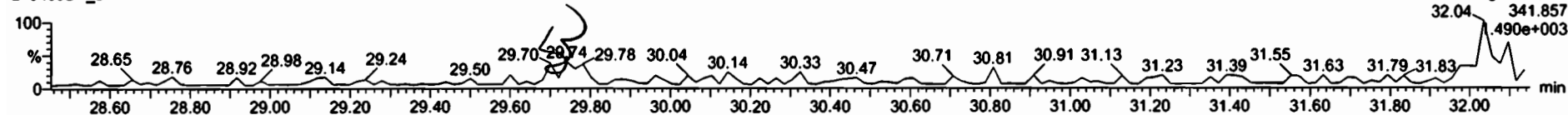
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**1,2,3,7,8-PeCDF**

210409D1\_5



210409D1\_5

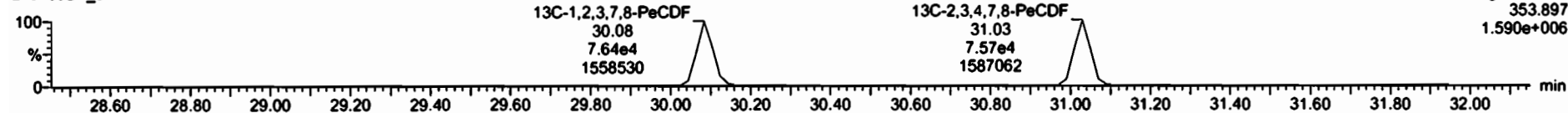


**13C-1,2,3,7,8-PeCDF**

210409D1\_5

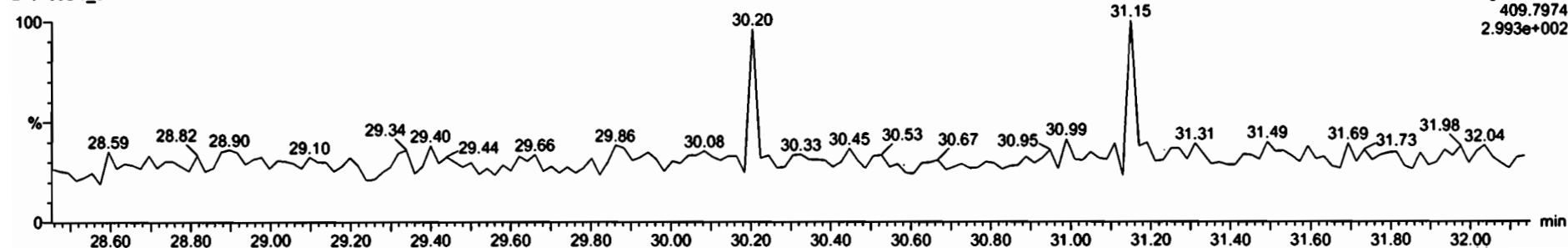


210409D1\_5



**DPE2**

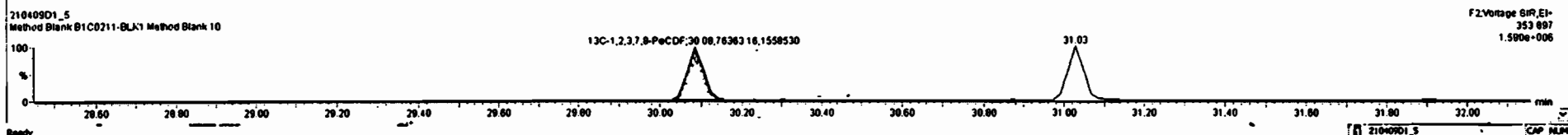
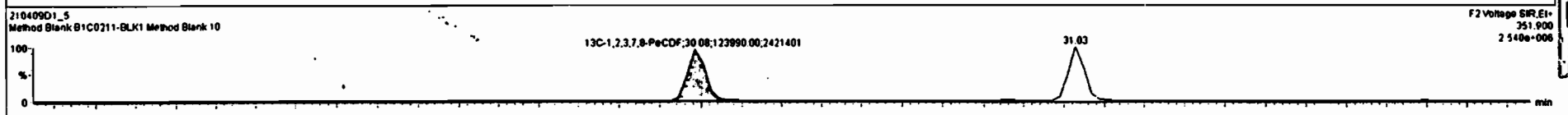
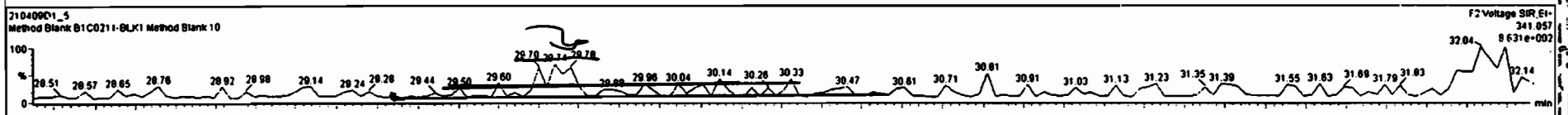
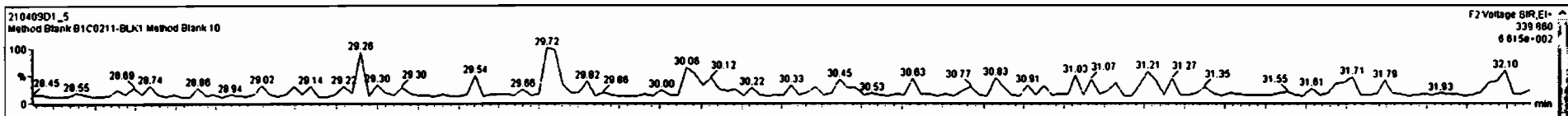
210409D1\_5



21040901\_5 - B1C0211-BLK1 Method Blank 10 - Method Blank

Name	Resp	RA	rvy	RRF	wt/d	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hetero-Oxime				1.06	10.000					0.0885	
43 Total Tetra-Furans				0.90	10.000					0.0171	
44 1st Func. Penta-Furans				1.02	10.000					0.0138	
45 Total Penta-Furans				1.02	10.000					0.0243	
46 Total Hexa-Furans				1.13	10.000					0.0427	
47 Total Hepta-Furans				1.11	10.000					0.0468	
48 PFX1											
49 PFX2											
50 PFX3											
51 PFX4											

Name	RT	m1 Resp	m2 Resp	RA	rvy	EMPC	Conc.
1							



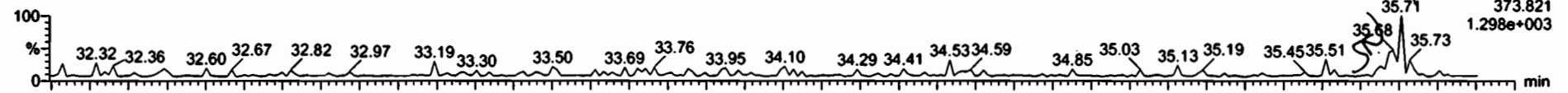
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

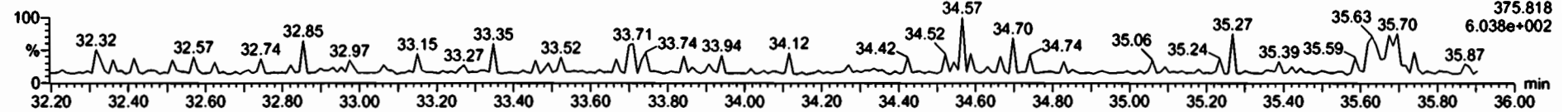
Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank

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

210409D1\_5

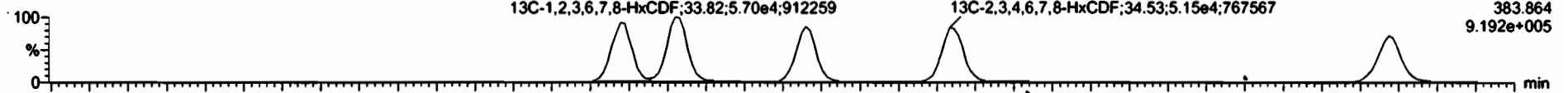


210409D1\_5

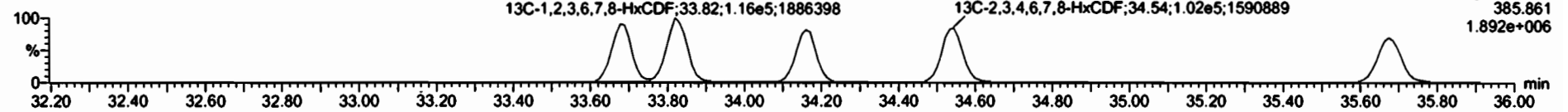


13C-1,2,3,4,7,8-HxCDF

210409D1\_5

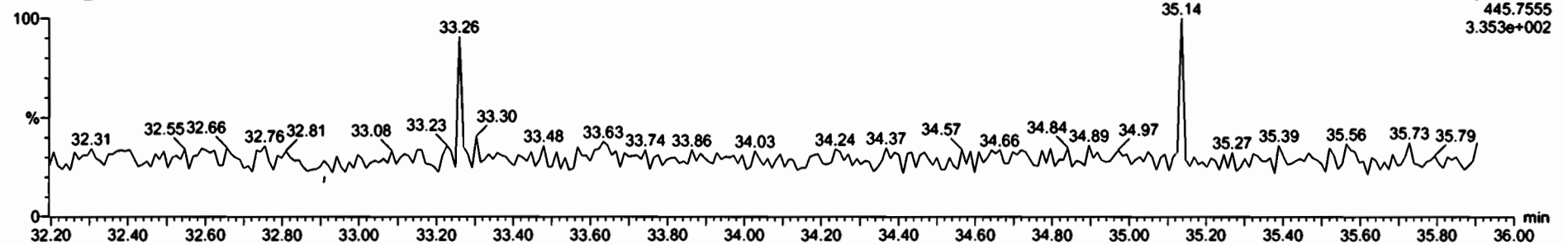


210409D1\_5



DPE3

210409D1\_5

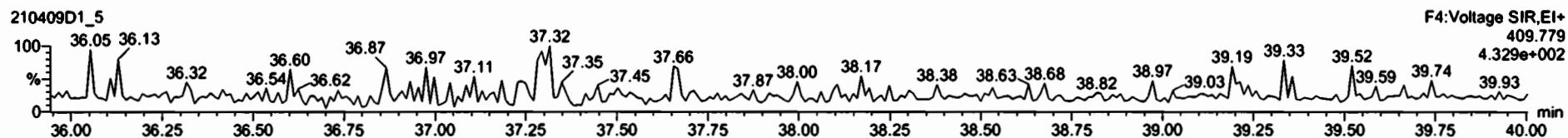
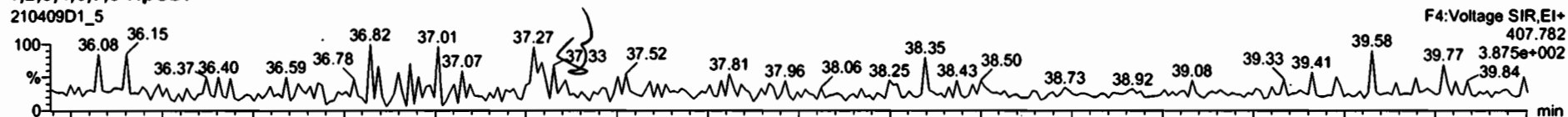


Dataset: Untitled

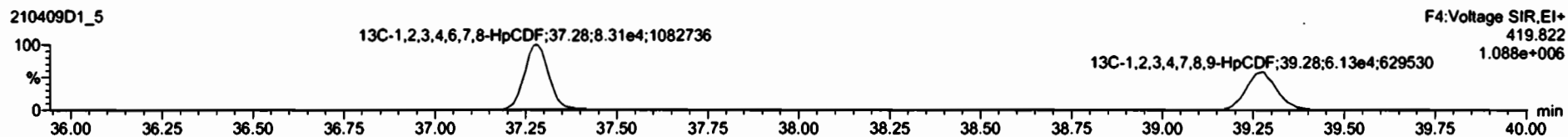
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank

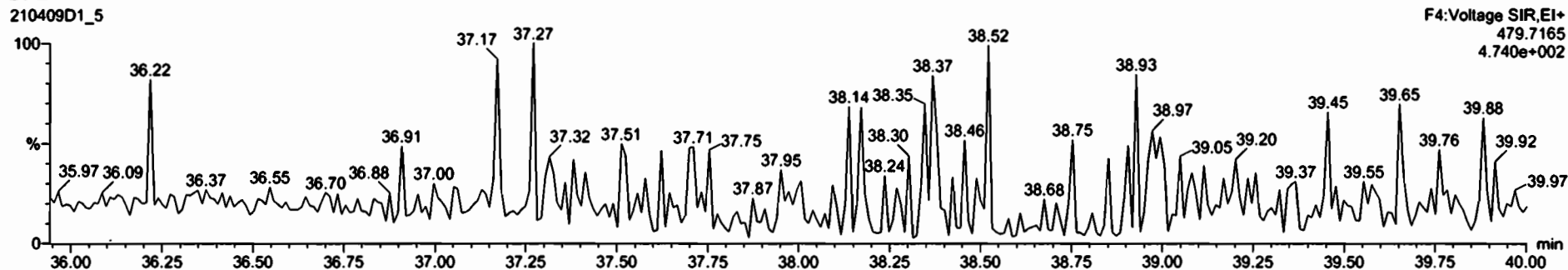
1,2,3,4,6,7,8-HpCDF



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



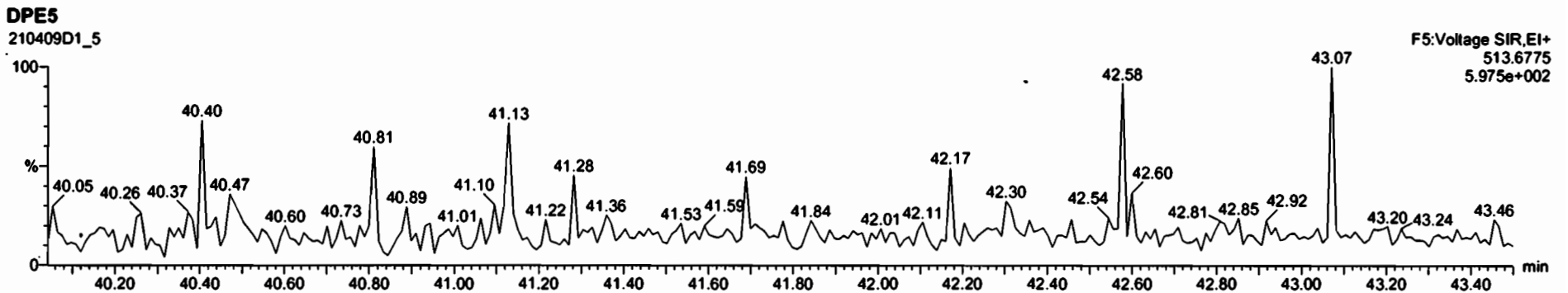
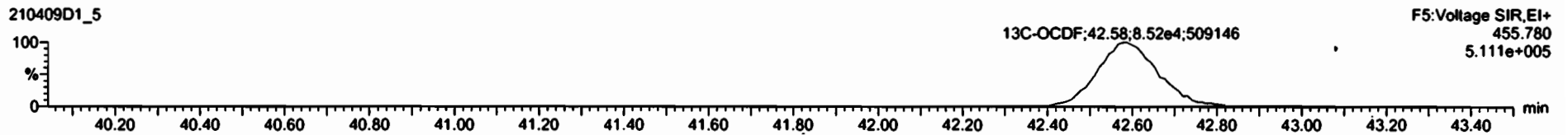
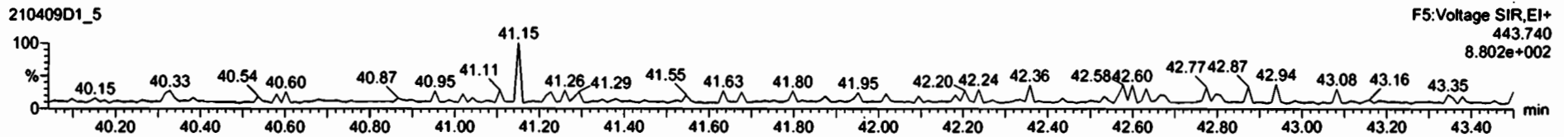
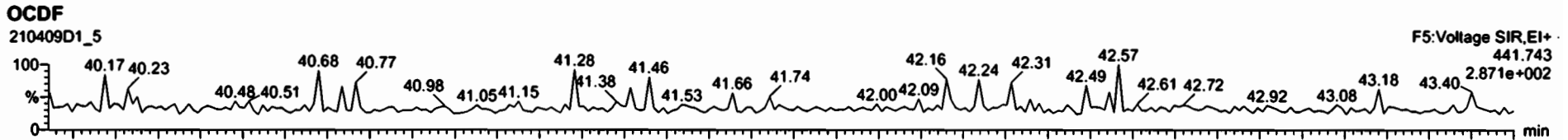
DPE4



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Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank

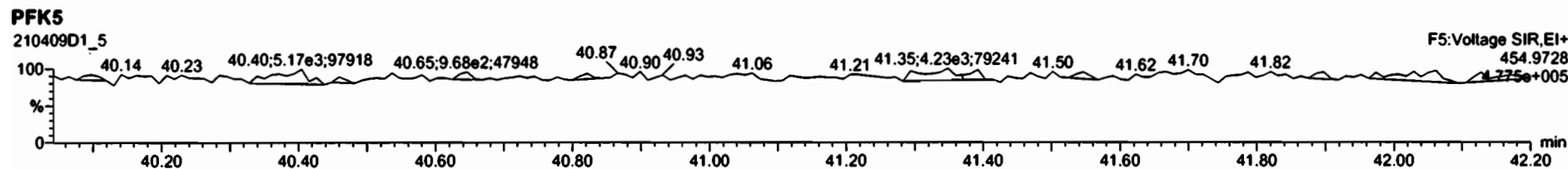
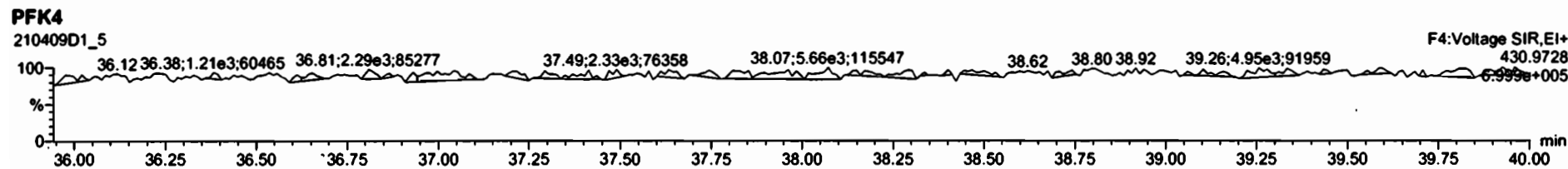
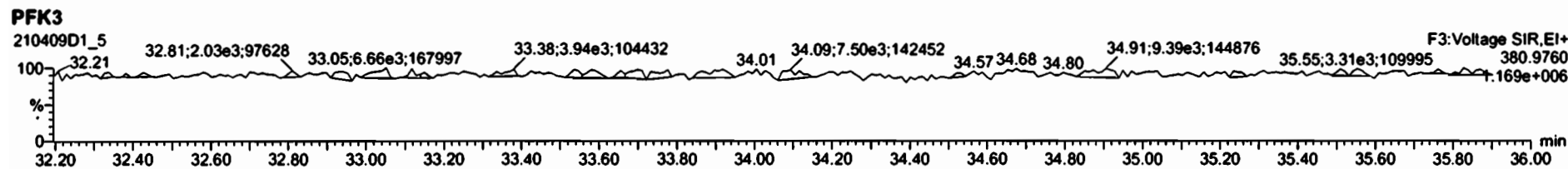
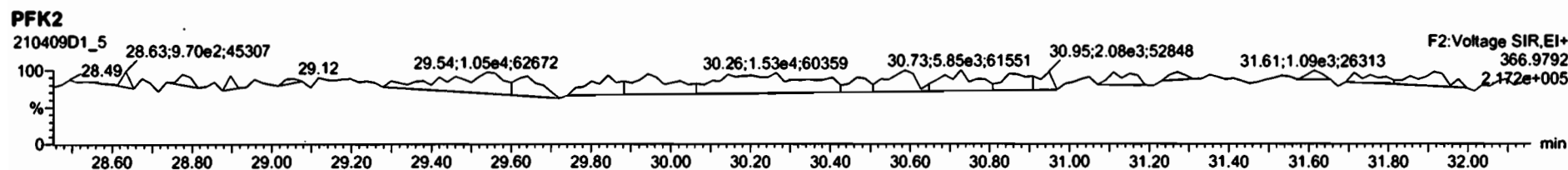
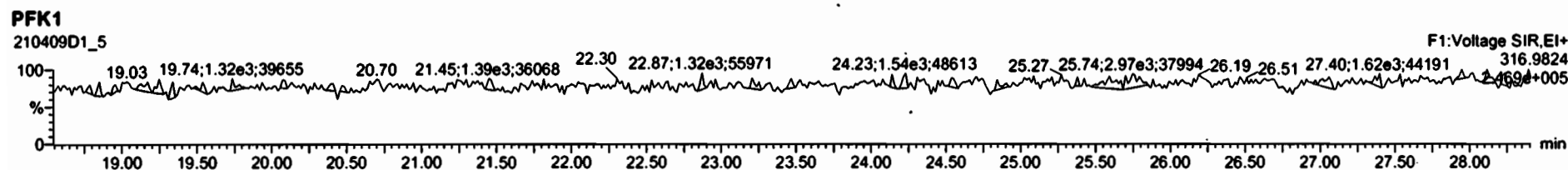




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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_5, Date: 09-Apr-2021, Time: 11:56:07, ID: B1C0211-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-3.qld

Last Altered: Saturday, April 10, 2021 09:15:07 Pacific Daylight Time

Printed: Saturday, April 10, 2021 12:32:32 Pacific Daylight Time

*H 4-10-2021* *0704/02/2021*

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Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR, Task: ST210409D1\_1

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.19e4	0.78	NO	0.998	10.000	27.07	1.001	16.489		0.132	16.5
2 1,2,3,7,8-PeCDD	4.57e4	0.60	NO	0.961	10.000	31.23	1.001	83.226		0.221	83.2
3 1,2,3,4,7,8-HxCDD	4.02e4	1.29	NO	1.18	10.000	34.67	1.001	83.701		0.362	83.7
4 1,2,3,6,7,8-HxCDD	3.96e4	1.31	NO	1.04	10.000	34.82	1.001	83.343		0.370	83.3
5 1,2,3,7,8,9-HxCDD	4.04e4	1.28	NO	1.06	10.000	35.11	1.001	86.129		0.368	86.1
6 1,2,3,4,6,7,8-HpCDD	3.16e4	1.05	NO	1.06	10.000	38.54	1.000	88.105		0.901	88.1
7 OCDD	3.56e4	0.93	NO	0.977	10.000	42.23	1.000	177.01		1.68	177
8 2,3,7,8-TCDF	1.56e4	0.76	NO	0.989	10.000	26.49	1.001	15.377		0.0955	15.4
9 1,2,3,7,8-PeCDF	7.40e4	1.61	NO	1.02	10.000	30.10	1.001	82.326		0.213	82.3
10 2,3,4,7,8-PeCDF	8.15e4	1.67	NO	1.17	10.000	31.05	1.001	82.464		0.213	82.5
11 1,2,3,4,7,8-HxCDF	6.12e4	1.24	NO	1.14	10.000	33.69	1.000	84.170		0.411	84.2
12 1,2,3,6,7,8-HxCDF	6.61e4	1.25	NO	1.04	10.000	33.84	1.001	86.997		0.389	87.0
13 2,3,4,6,7,8-HxCDF	6.32e4	1.29	NO	1.13	10.000	34.55	1.000	86.853		0.441	86.9
14 1,2,3,7,8,9-HxCDF	5.26e4	1.22	NO	1.07	10.000	35.67	1.000	84.032		0.536	84.0
15 1,2,3,4,6,7,8-HpCDF	4.68e4	1.01	NO	1.11	10.000	37.29	1.001	86.054		0.657	86.1
16 1,2,3,4,7,8,9-HpCDF	3.95e4	1.02	NO	1.32	10.000	39.29	1.000	83.595		0.871	83.6
17 OCDF	5.28e4	0.90	NO	0.931	10.000	42.61	1.000	166.71		1.00	167
18 13C-2,3,7,8-TCDD	1.45e5	0.83	NO	1.20	10.000	27.06	1.025	222.28	111	0.453	
19 13C-1,2,3,7,8-PeCDD	1.14e5	0.61	NO	0.864	10.000	31.21	1.182	243.63	122	0.528	
20 13C-1,2,3,4,7,8-HxCDD	8.11e4	1.33	NO	0.600	10.000	34.65	1.015	222.82	111	1.00	
21 13C-1,2,3,6,7,8-HxCDD	9.12e4	1.27	NO	0.674	10.000	34.80	1.019	223.00	112	0.890	
22 13C-1,2,3,7,8,9-HxCDD	8.86e4	1.25	NO	0.679	10.000	35.09	1.028	214.92	107	0.883	
23 13C-1,2,3,4,6,7,8-HpCDD	6.76e4	1.07	NO	0.558	10.000	38.53	1.128	199.69	99.8	1.31	
24 13C-OCDD	8.22e4	0.88	NO	0.496	10.000	42.22	1.236	273.12	68.3	0.603	
25 13C-2,3,7,8-TCDF	2.05e5	0.76	NO	1.03	10.000	26.48	1.003	229.26	115	0.409	
26 13C-1,2,3,7,8-PeCDF	1.76e5	1.60	NO	0.805	10.000	30.08	1.139	250.77	125	0.540	
27 13C-2,3,4,7,8-PeCDF	1.68e5	1.56	NO	0.748	10.000	31.03	1.175	258.31	129	0.582	
28 13C-1,2,3,4,7,8-HxCDF	1.28e5	0.51	NO	0.968	10.000	33.68	0.986	217.43	109	1.06	
29 13C-1,2,3,6,7,8-HxCDF	1.46e5	0.51	NO	1.08	10.000	33.82	0.990	221.31	111	0.943	
30 13C-2,3,4,6,7,8-HxCDF	1.29e5	0.51	NO	0.960	10.000	34.54	1.012	221.44	111	1.07	
31 13C-1,2,3,7,8,9-HxCDF	1.17e5	0.52	NO	0.869	10.000	35.66	1.044	220.86	110	1.18	

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-3.qld

Last Altered: Saturday, April 10, 2021 09:15:07 Pacific Daylight Time

Printed: Saturday, April 10, 2021 12:32:32 Pacific Daylight Time

Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR, Task: ST210409D1\_1

	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc	%Rec	DU	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	9.77e4	0.42	NO	0.794	10.000	37.27	1.091	202.67	101	1.01	
33	13C-1,2,3,4,7,8,9-HpCDF	7.18e4	0.42	NO	0.586	10.000	39.28	1.150	201.83	101	1.36	
34	13C-OCDF	1.36e5	0.87	NO	0.711	10.000	42.60	1.247	315.13	78.8	0.656	
35	37Cl-2,3,7,8-TCDD	5.15e4			1.11	10.000	27.07	1.026	85.613	107	0.115	
36	13C-1,2,3,4-TCDD	1.09e5	0.80	NO	1.00	10.000	26.40	1.000	200.00	100	0.544	
37	13C-1,2,3,4-TCDF	1.74e5	0.81	NO	1.00	10.000	25.18	1.000	200.00	100	0.420	
38	13C-1,2,3,4,6,9-HxCDF	1.21e5	0.50	NO	1.00	10.000	34.15	1.000	200.00	100	1.02	

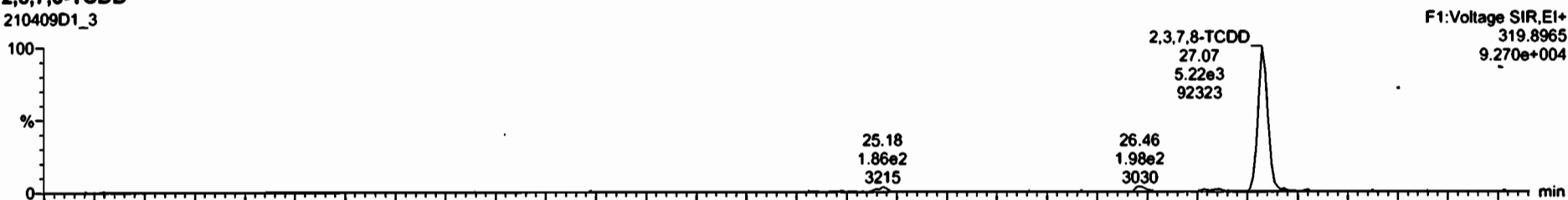
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

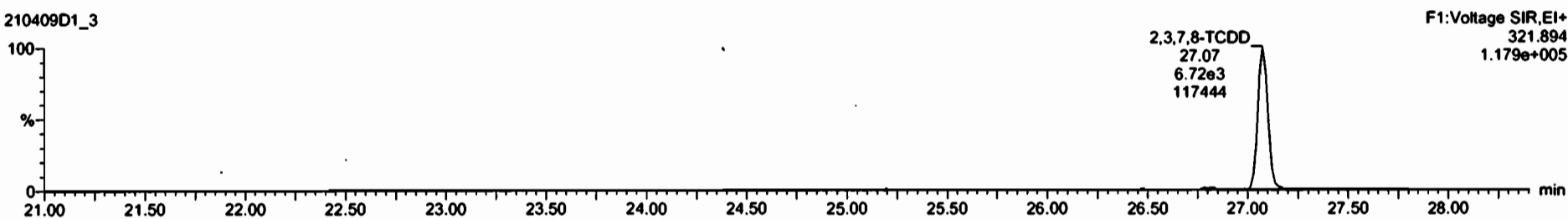
Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR

2,3,7,8-TCDD

210409D1\_3



210409D1\_3

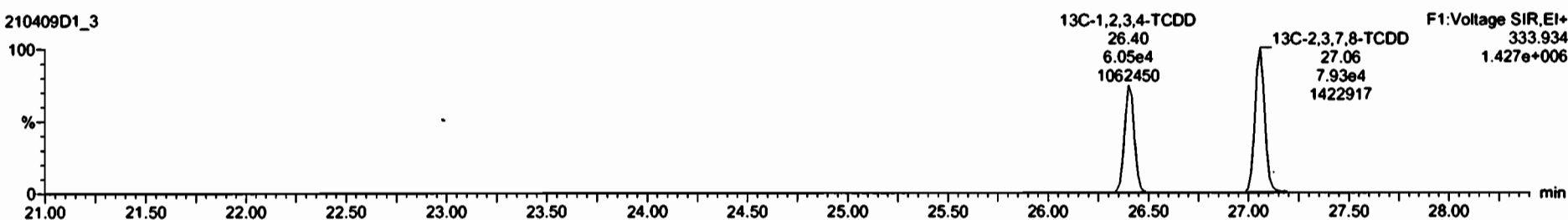


13C-2,3,7,8-TCDD

210409D1\_3



210409D1\_3



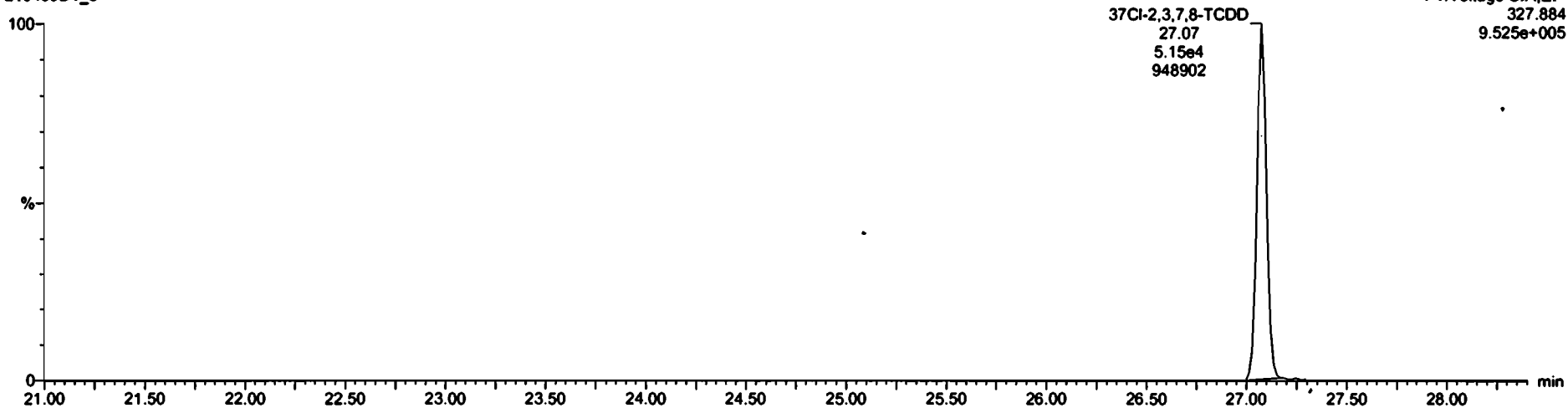
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Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR

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

210409D1\_3

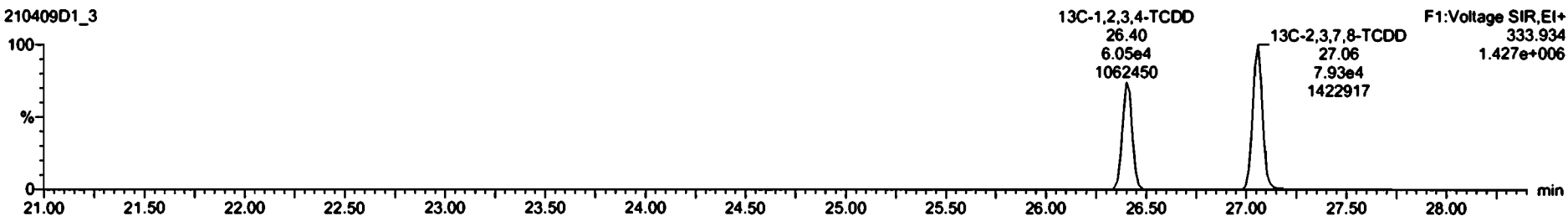


13C-1,2,3,4-TCDD

210409D1\_3



210409D1\_3



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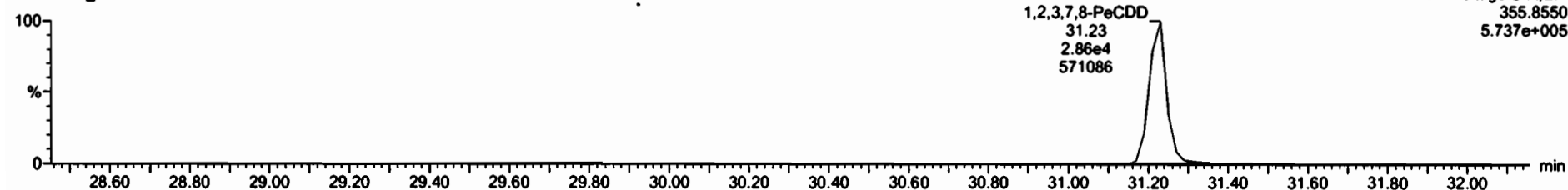
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**1,2,3,7,8-PeCDD**

210409D1\_3



210409D1\_3

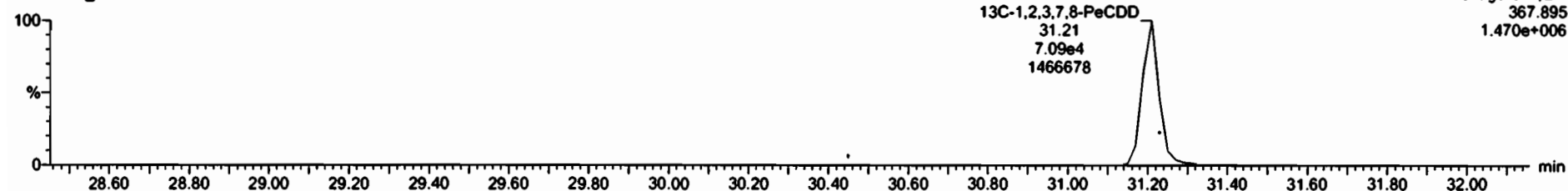


**13C-1,2,3,7,8-PeCDD**

210409D1\_3



210409D1\_3



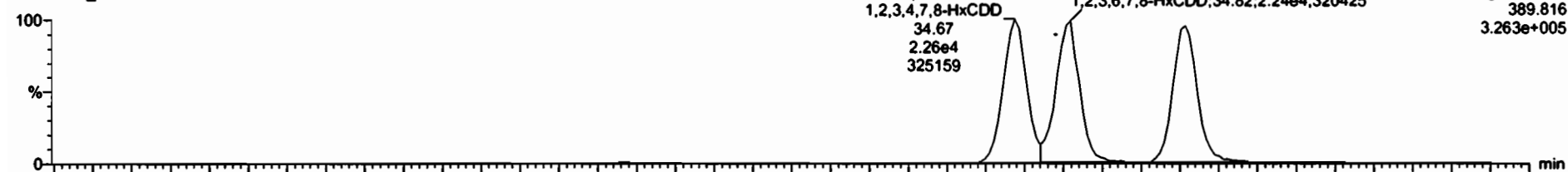
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

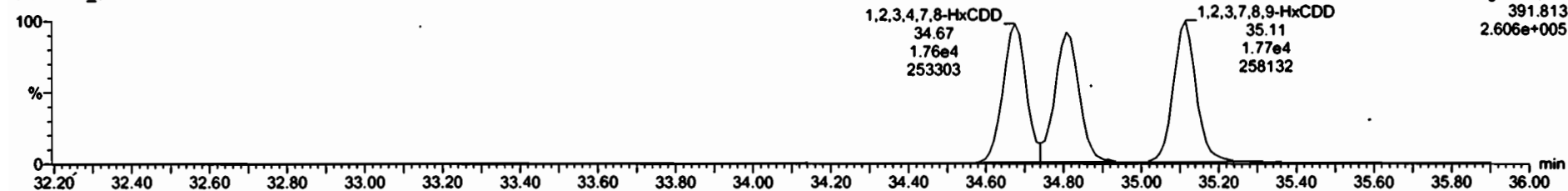
Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR

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

210409D1\_3



210409D1\_3

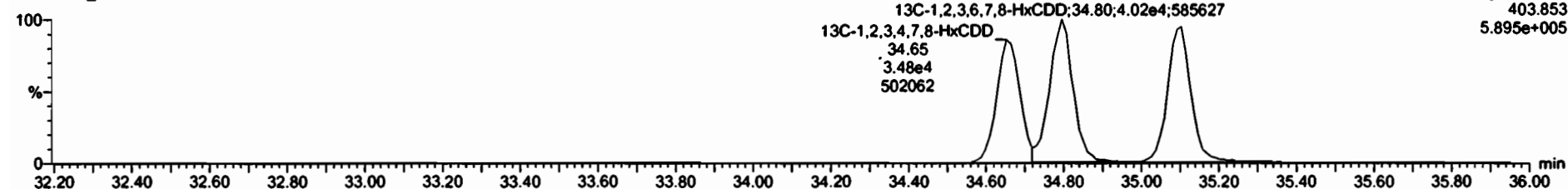


13C-1,2,3,4,7,8-HxCDD

210409D1\_3



210409D1\_3



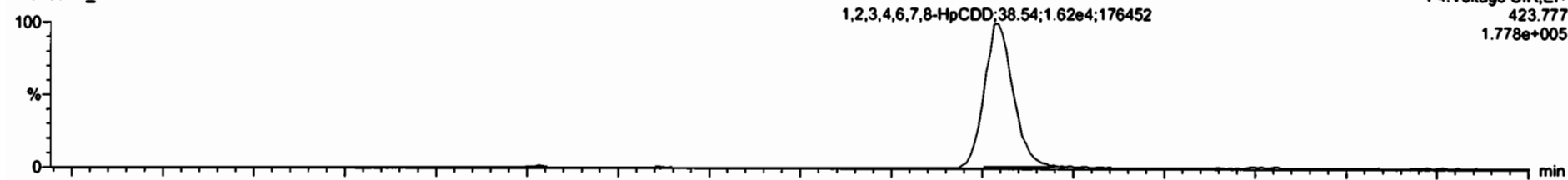
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

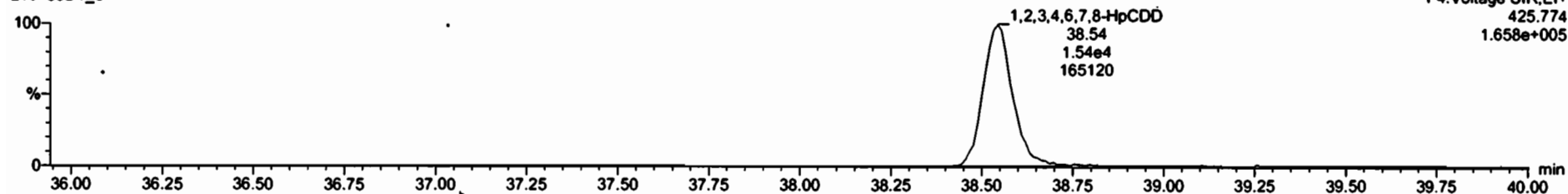
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1,2,3,4,6,7,8-HpCDD

210409D1\_3

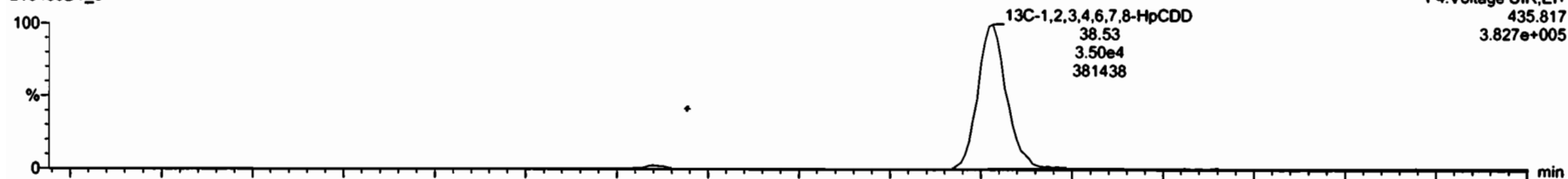


210409D1\_3

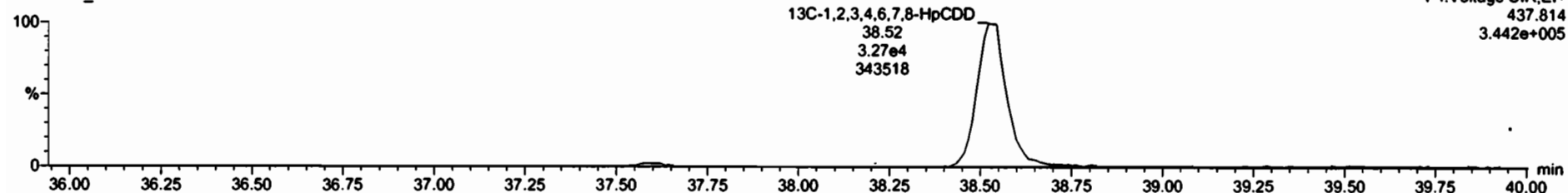


13C-1,2,3,4,6,7,8-HpCDD

210409D1\_3



210409D1\_3

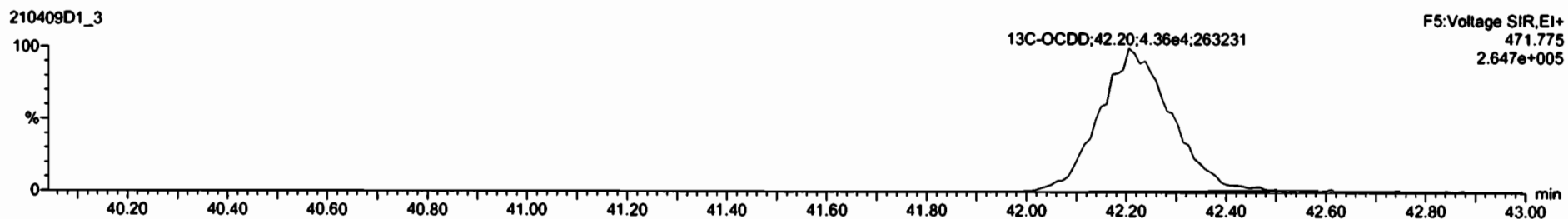
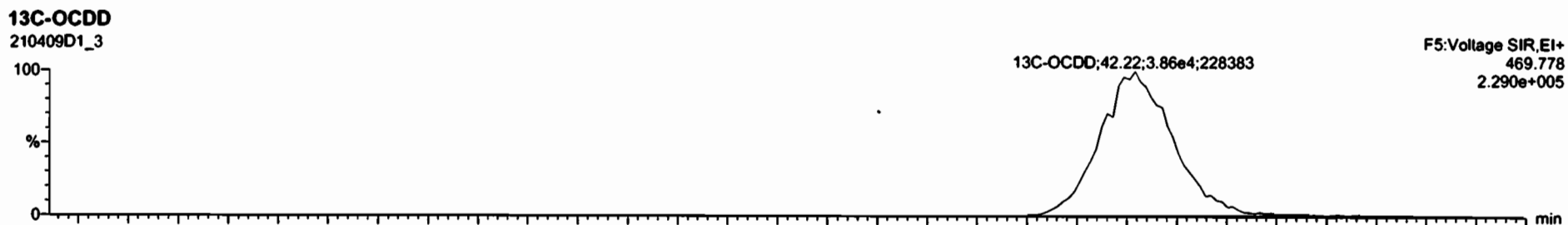
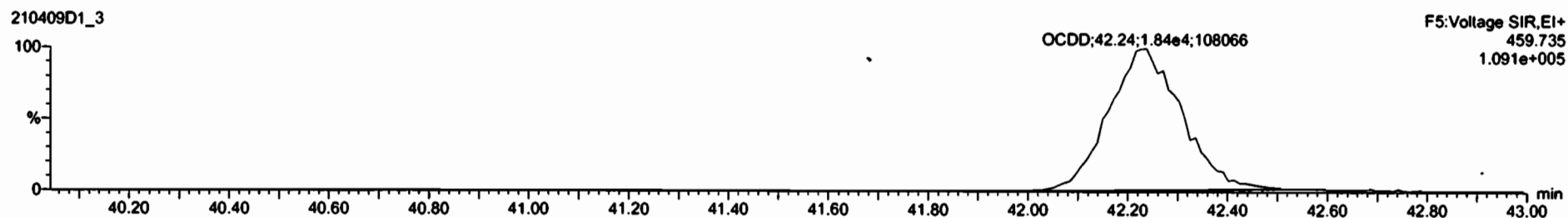
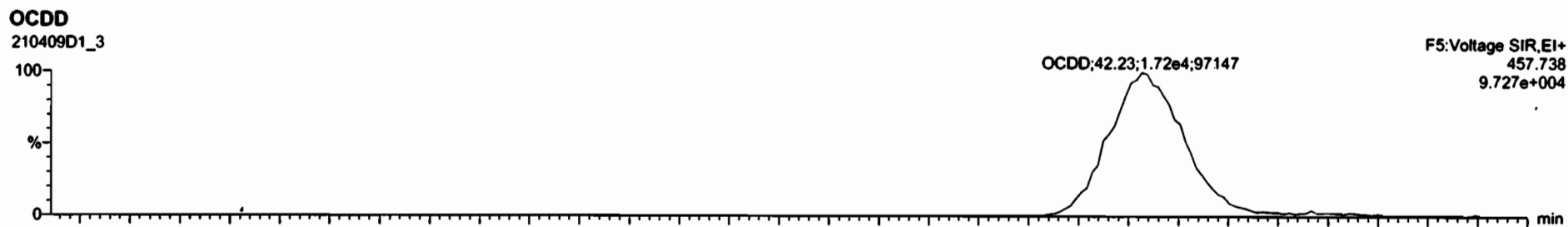




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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR



Dataset: Untitled

Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

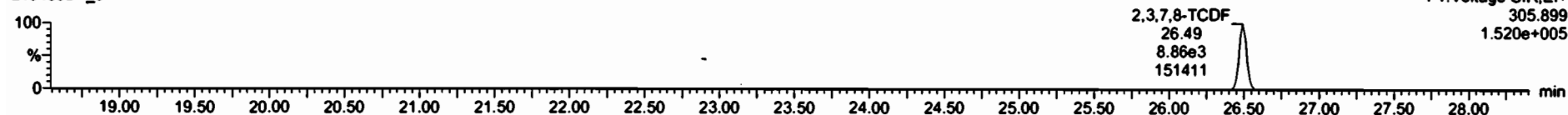
Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR

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

210409D1\_3

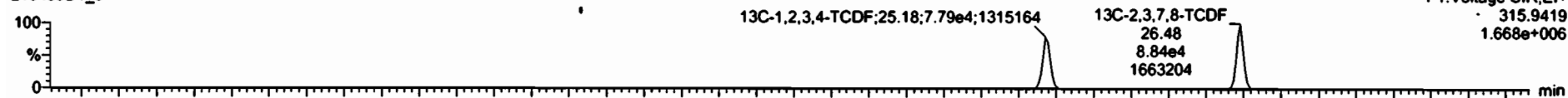


210409D1\_3

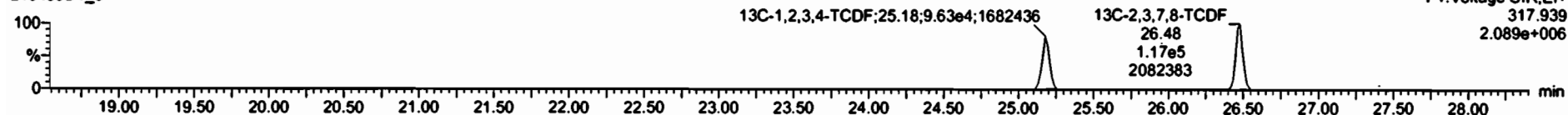


**13C-2,3,7,8-TCDF**

210409D1\_3

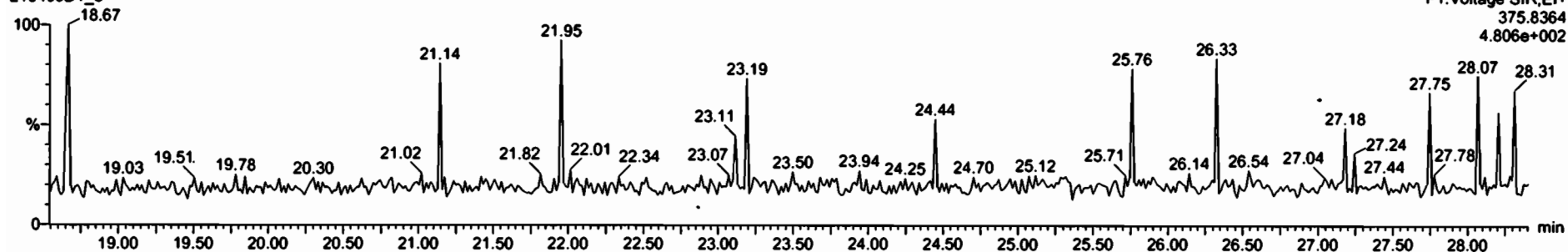


210409D1\_3



**DPE1**

210409D1\_3



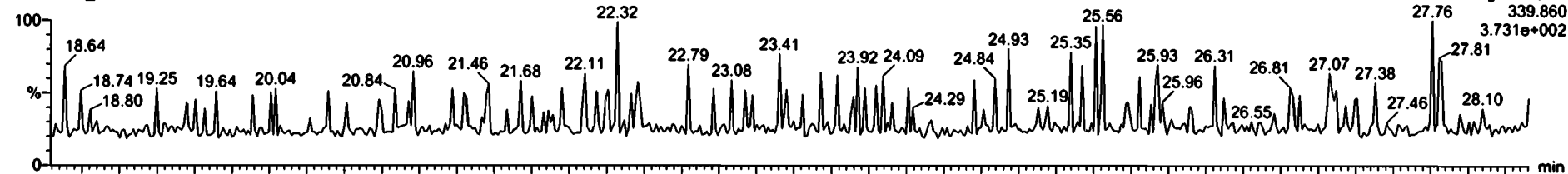
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

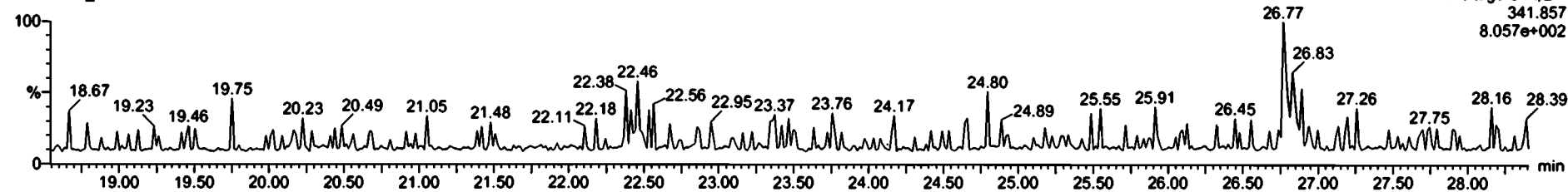
Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans

210409D1\_3

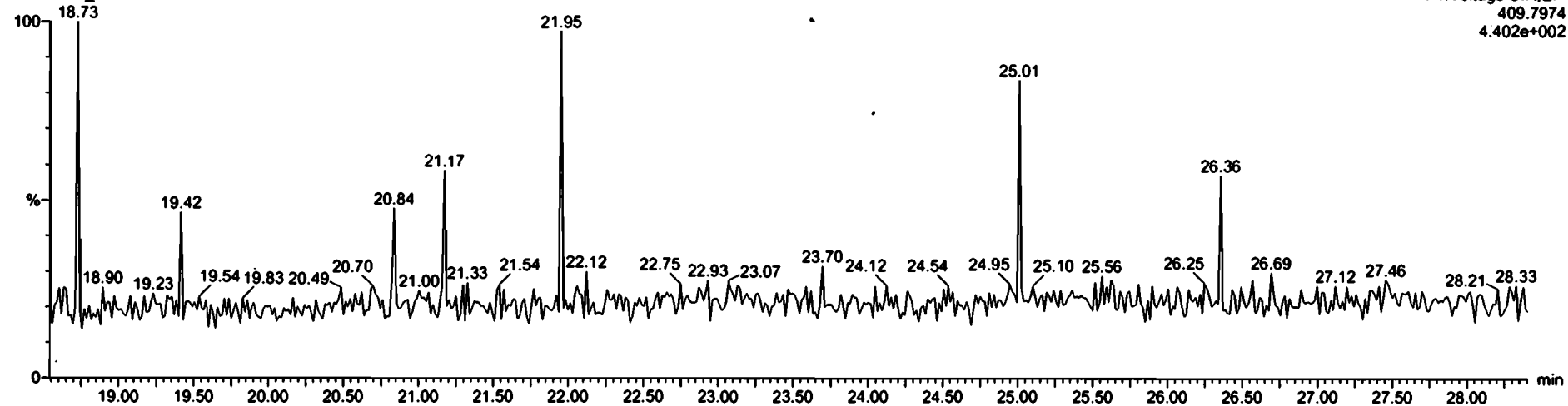


210409D1\_3



DPE6

210409D1\_3



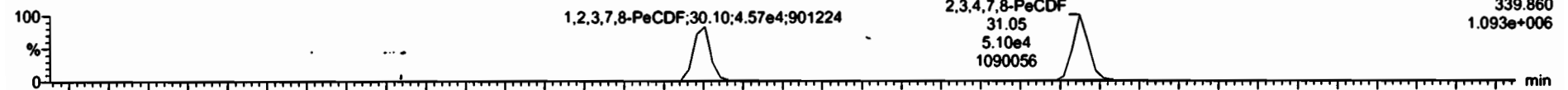
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR

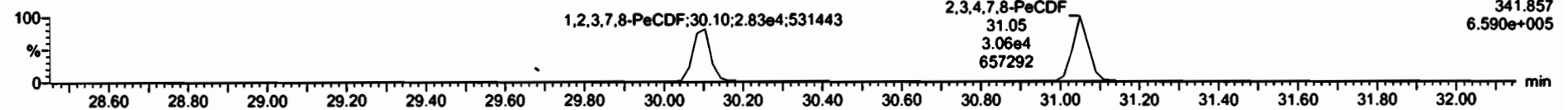
**1,2,3,7,8-PeCDF**

210409D1\_3



F2:Voltage SIR,EI+  
339.860  
1.093e+006

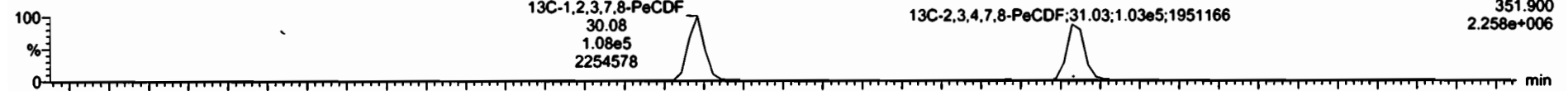
210409D1\_3



F2:Voltage SIR,EI+  
341.857  
6.590e+005

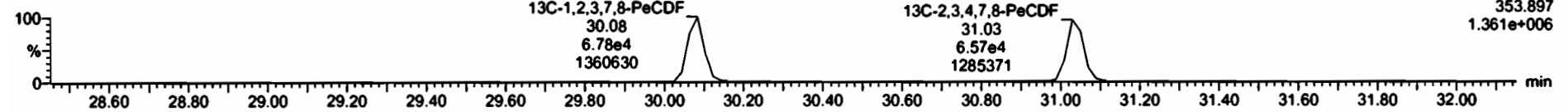
**13C-1,2,3,7,8-PeCDF**

210409D1\_3



F2:Voltage SIR,EI+  
351.900  
2.258e+006

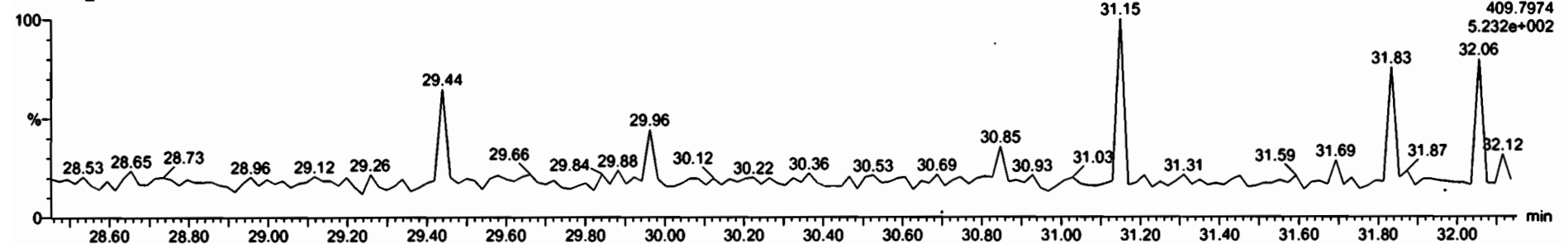
210409D1\_3



F2:Voltage SIR,EI+  
353.897  
1.361e+006

**DPE2**

210409D1\_3



F2:Voltage SIR,EI+  
409.7974  
5.232e+002

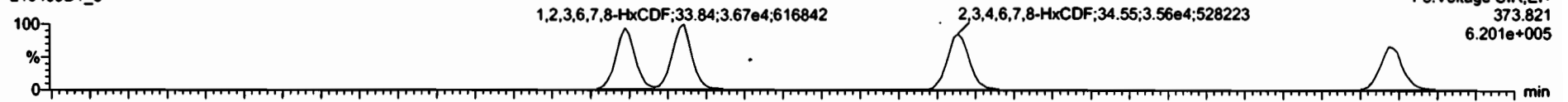
Dataset: Untitled

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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

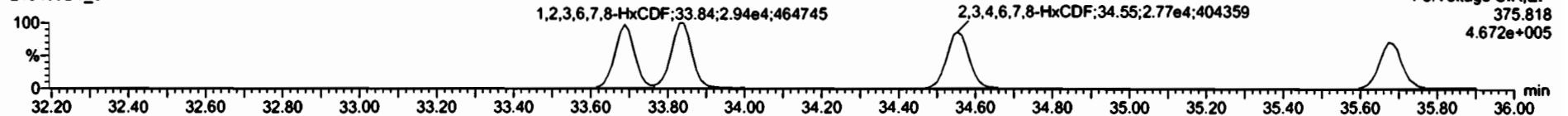
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1,2,3,4,7,8-HxCDF

210409D1\_3

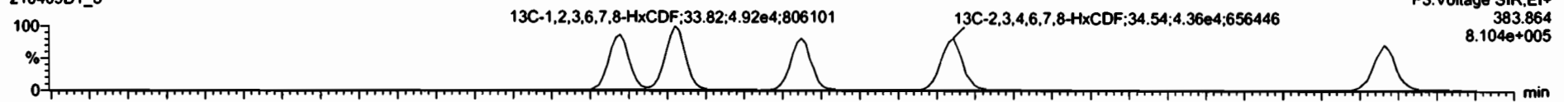


210409D1\_3

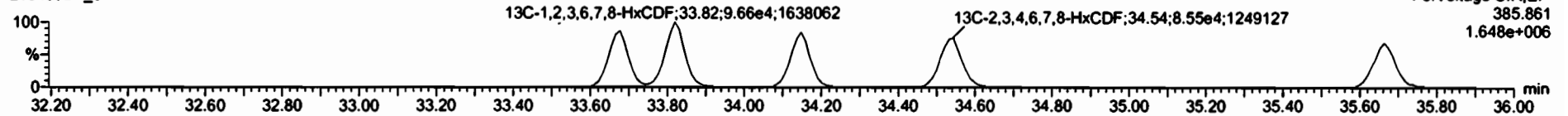


13C-1,2,3,4,7,8-HxCDF

210409D1\_3

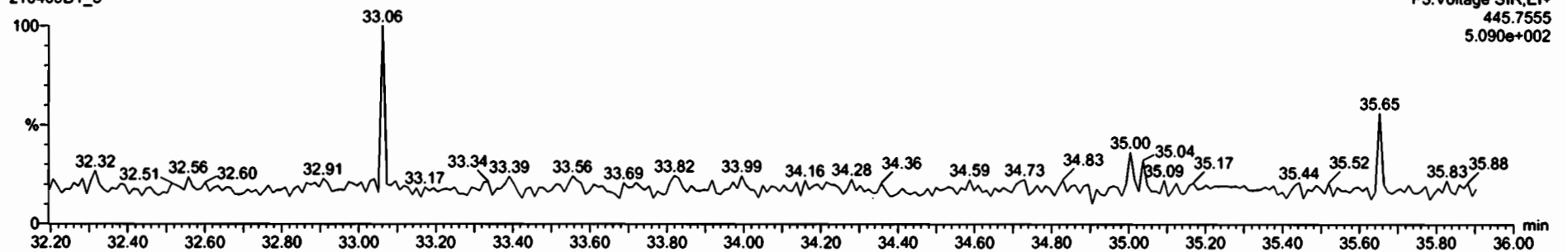


210409D1\_3



DPE3

210409D1\_3

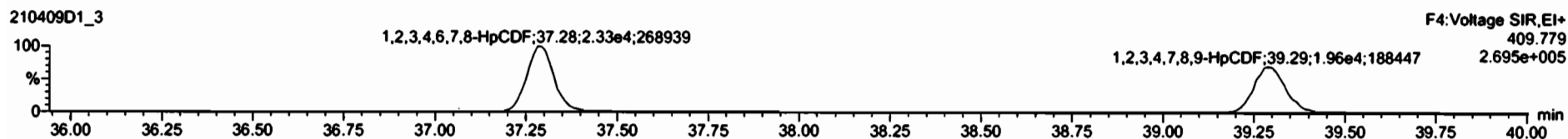
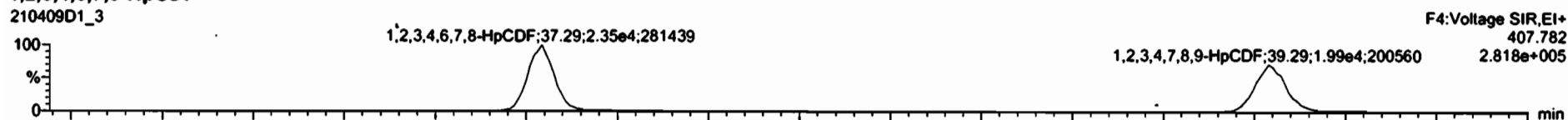


Dataset: Untitled

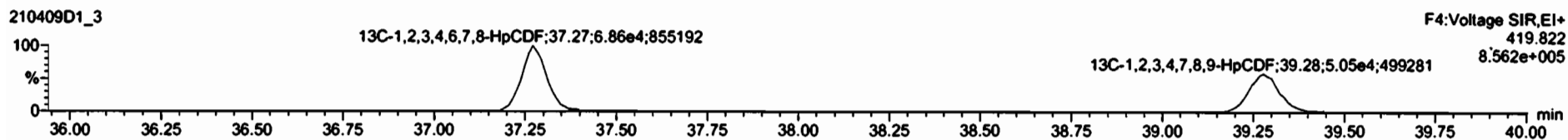
Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR

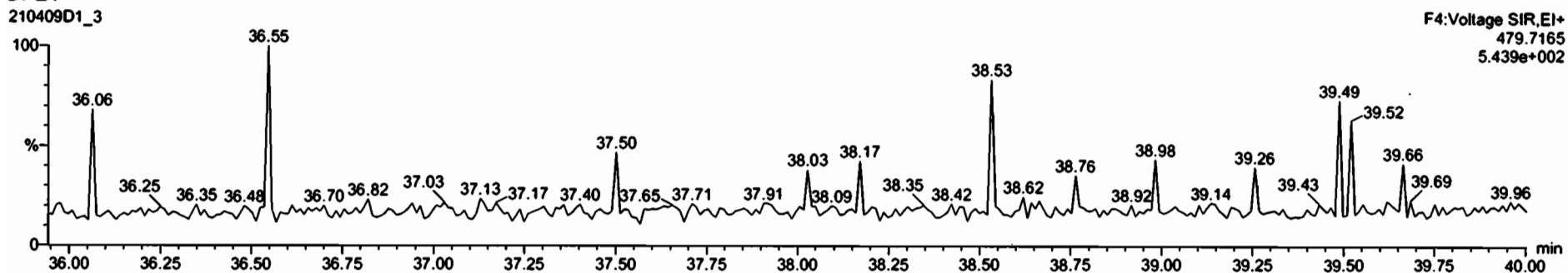
**1,2,3,4,6,7,8-HpCDF**



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



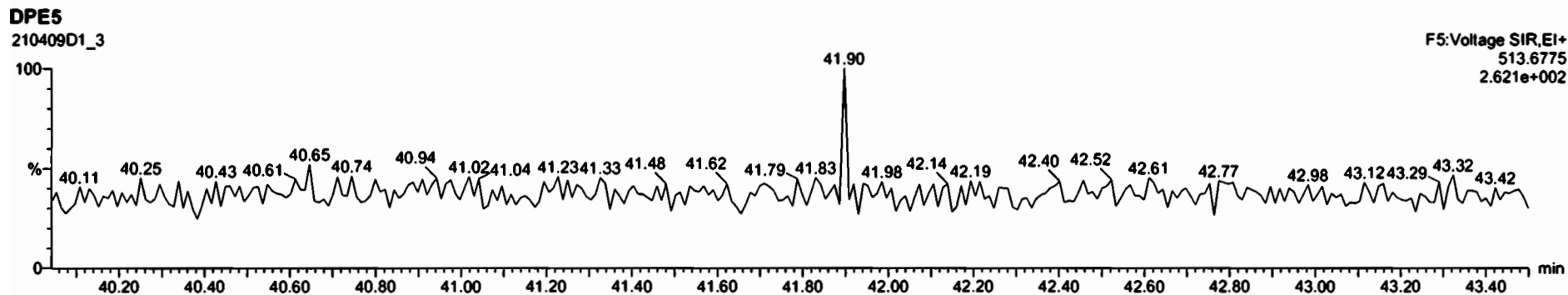
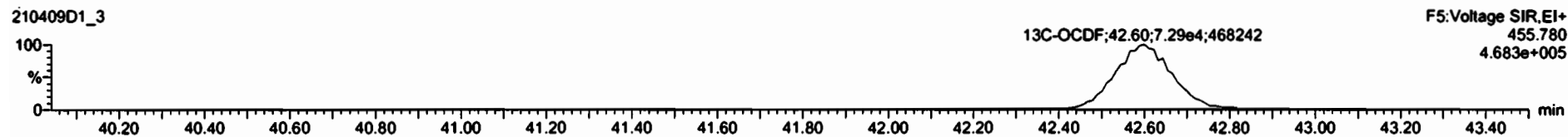
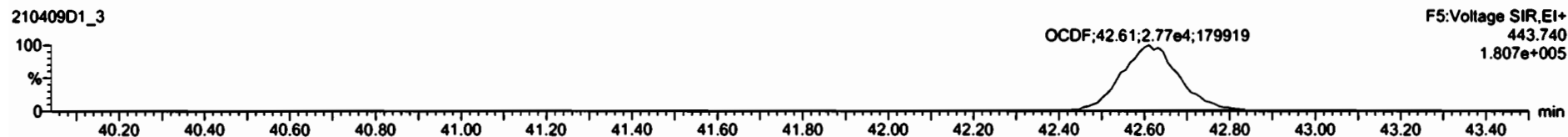
**DPE4**



Dataset: Untitled

Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

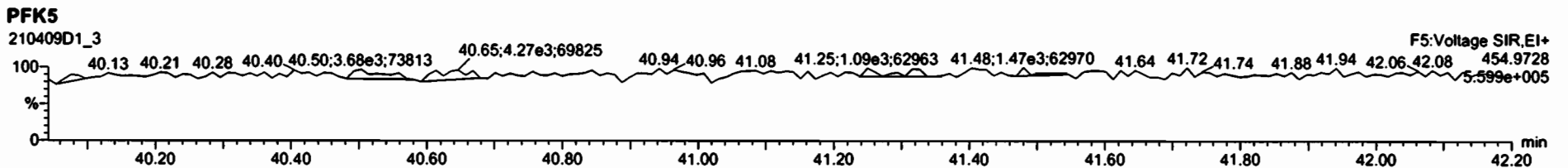
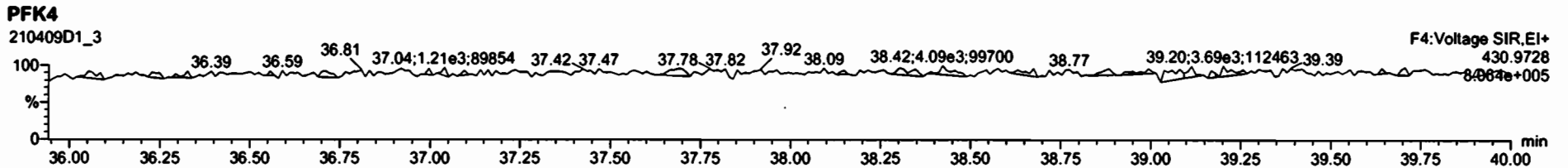
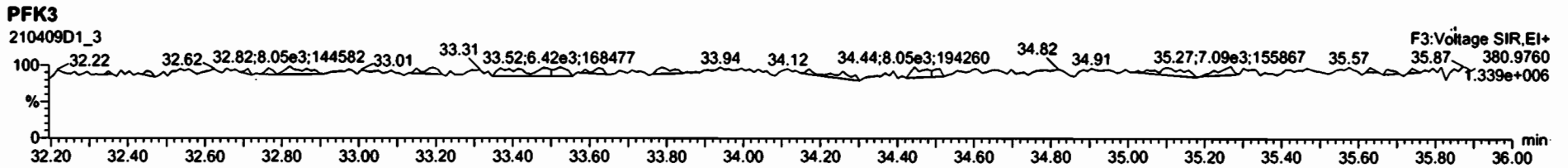
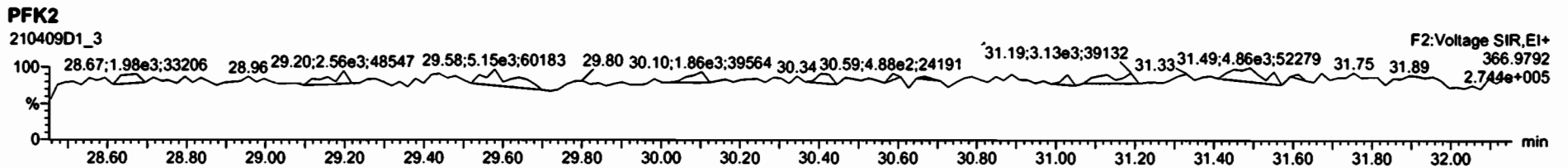
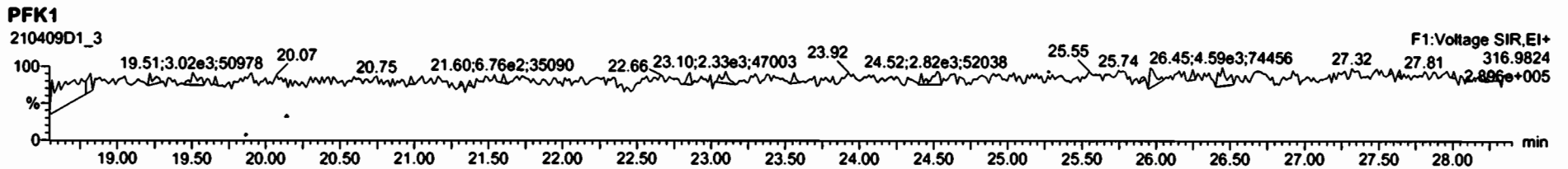
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Dataset: Untitled

Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_3, Date: 09-Apr-2021, Time: 10:23:50, ID: B1C0211-BS1 OPR 10, Description: OPR





Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_3.qld

Last Altered: Tuesday, April 20, 2021 13:37:01 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:37:40 Pacific Daylight Time

*HN 04/20/21*

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

*0704/30/2021*

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-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	0.929	10.000	26.787		1.001				0.0493	
2	2 1,2,3,7,8-PeCDD			NO	0.826	10.000	31.181		1.001				0.0794	
3	3 1,2,3,4,7,8-HxCDD			NO	0.972	10.000	34.497		1.001				0.139	
4	4 1,2,3,6,7,8-HxCDD			NO	0.877	10.000	34.623		1.001				0.144	
5	5 1,2,3,7,8,9-HxCDD			NO	0.874	10.000	34.905		1.000				0.143	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.899	10.000	38.235		1.000				0.0666	
7	7 OCDD			NO	0.852	10.000	41.251		1.000				0.349	
8	8 2,3,7,8-TCDF			NO	0.747	10.000	26.137		1.000				0.0376	
9	9 1,2,3,7,8-PeCDF			NO	0.877	10.000	29.962		1.000				0.0891	
10	10 2,3,4,7,8-PeCDF			NO	0.962	10.000	30.991		1.001				0.0749	
11	11 1,2,3,4,7,8-HxCDF			NO	0.920	10.000	33.555		1.000				0.0513	
12	12 1,2,3,6,7,8-HxCDF			NO	0.936	10.000	33.711		1.001				0.0499	
13	13 2,3,4,6,7,8-HxCDF			NO	0.973	10.000	34.393		1.001				0.0680	
14	14 1,2,3,7,8,9-HxCDF			NO	0.940	10.000	35.471		1.000				0.0916	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.05	10.000	37.066		1.000				0.0668	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.05	10.000	38.906		1.000				0.0623	
17	17 OCDF			NO	0.771	10.000	41.576		1.000				0.0865	
18	18 13C-2,3,7,8-TCDD	2.88e5	0.77	NO	1.10	10.000	26.746	26.75	1.027	1.027	161.60	80.8	0.190	
19	19 13C-1,2,3,7,8-PeCDD	2.27e5	0.65	NO	0.864	10.000	31.139	31.15	1.196	1.196	162.96	81.5	0.340	
20	20 13C-1,2,3,4,7,8-HxCDD	1.51e5	1.31	NO	0.746	10.000	34.485	34.48	1.014	1.014	160.00	80.0	0.729	
21	21 13C-1,2,3,6,7,8-HxCDD	1.68e5	1.29	NO	0.847	10.000	34.604	34.60	1.017	1.017	157.12	78.6	0.642	
22	22 13C-1,2,3,7,8,9-HxCDD	1.71e5	1.25	NO	0.868	10.000	34.904	34.90	1.026	1.026	156.32	78.2	0.626	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.36e5	1.04	NO	0.664	10.000	38.254	38.22	1.125	1.124	162.21	81.1	1.26	
24	24 13C-OCDD	1.94e5	0.86	NO	0.561	10.000	41.204	41.24	1.211	1.212	274.81	68.7	1.08	
25	25 13C-2,3,7,8-TCDF	4.86e5	0.77	NO	1.09	10.000	26.134	26.13	1.003	1.003	196.75	98.4	0.367	
26	26 13C-1,2,3,7,8-PeCDF	3.41e5	1.64	NO	0.809	10.000	29.866	29.96	1.147	1.150	186.77	93.4	0.752	
27	27 13C-2,3,4,7,8-PeCDF	3.33e5	1.65	NO	0.803	10.000	30.829	30.97	1.184	1.189	183.55	91.8	0.758	
28	28 13C-1,2,3,4,7,8-HxCDF	2.46e5	0.46	NO	1.01	10.000	33.557	33.54	0.987	0.986	192.51	96.3	0.736	
29	29 13C-1,2,3,6,7,8-HxCDF	2.58e5	0.47	NO	1.07	10.000	33.686	33.69	0.990	0.990	190.69	95.3	0.693	
30	30 13C-2,3,4,6,7,8-HxCDF	2.03e5	0.50	NO	0.910	10.000	34.377	34.37	1.011	1.010	176.59	88.3	0.818	
31	31 13C-1,2,3,7,8,9-HxCDF	1.68e5	0.50	NO	0.828	10.000	35.455	35.46	1.042	1.042	160.49	80.2	0.898	

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_3.qld

Last Altered: Tuesday, April 20, 2021 13:37:01 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:37:40 Pacific Daylight Time

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-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	1.32e5	0.41	NO	0.661	10.000	37.064	37.05	1.090	1.089	158.21	79.1	1.06	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.20e5	0.41	NO	0.566	10.000	38.826	38.89	1.141	1.143	168.71	84.4	1.24	
34	34 13C-OCDF	2.43e5	0.84	NO	0.663	10.000	41.591	41.57	1.223	1.222	290.30	72.6	0.647	
35	35 37Cl-2,3,7,8-TCDD	2.86e5			2.07	10.000	26.946	26.77	1.035	1.028	85.671	107	0.0363	
36	36 13C-1,2,3,4-TCDD	3.23e5	0.78	NO	1.00	10.000	26.070	26.05	1.000	1.000	200.00	100	0.210	
37	37 13C-1,2,3,4-TCDF	4.52e5	0.78	NO	1.00	10.000	24.760	24.73	1.000	1.000	200.00	100	0.401	
38	38 13C-1,2,3,4,6,9-HxCDF	2.52e5	0.51	NO	1.00	10.000	34.040	34.02	1.000	1.000	200.00	100	0.744	
39	39 Total Tetra-Dioxins				0.929	10.000	24.620		0.000				0.0280	
40	40 Total Penta-Dioxins				0.826	10.000	29.960		0.000				0.0401	
41	41 Total Hexa-Dioxins				0.877	10.000	33.635		0.000				0.102	
42	42 Total Hepta-Dioxins				0.899	10.000	37.640		0.000				0.0349	
43	43 Total Tetra-Furans				0.747	10.000	23.610		0.000				0.0180	
44	44 1st Func. Penta-Furans				0.877	10.000	26.930		0.000				0.0131	
45	45 Total Penta-Furans				0.877	10.000	29.275		0.000		0.00000		0.0299	0.0274
46	46 Total Hexa-Furans				0.973	10.000	33.555		0.000				0.0378	
47	47 Total Hepta-Furans				1.05	10.000	37.835		0.000				0.0377	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_3.qld

Last Altered: Tuesday, April 20, 2021 13:37:01 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:37:40 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-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:\VG12.PRO\Results\210419R2\210419R2\_3.qld

Last Altered: Tuesday, April 20, 2021 13:37:01 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:37:40 Pacific Daylight Time

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-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	Total Penta-Furans	31.89	9.840e2	1.235e3	2.464e1	3.515e1	0.70	YES	0.000e0	0.00000	0.027409	0.0299

**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: Untitled

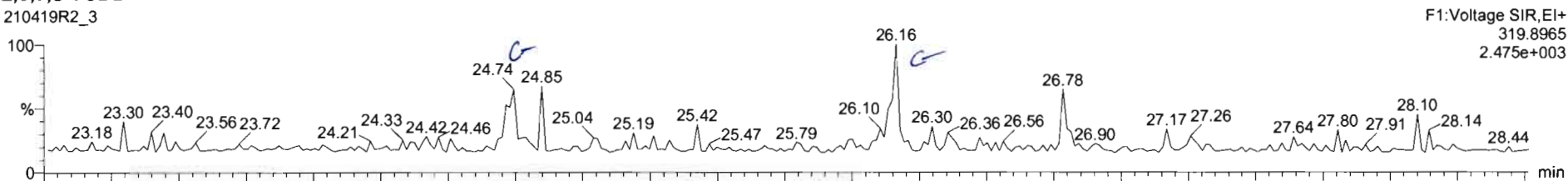
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

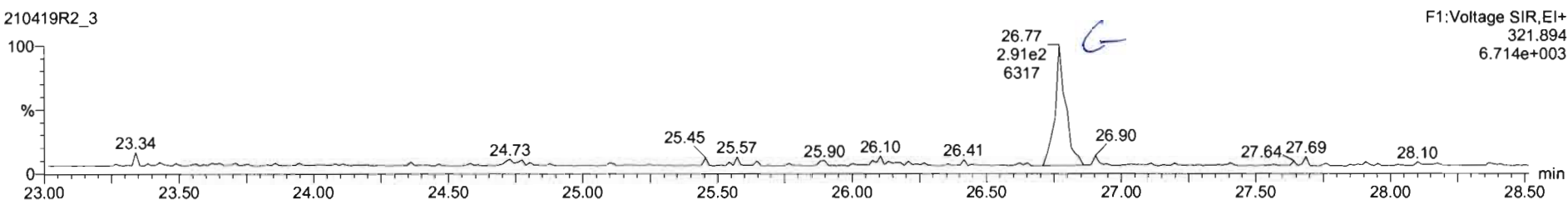
Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD

210419R2\_3

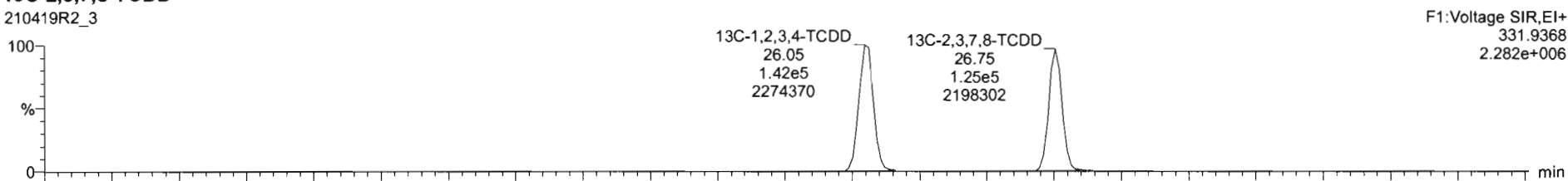


210419R2\_3

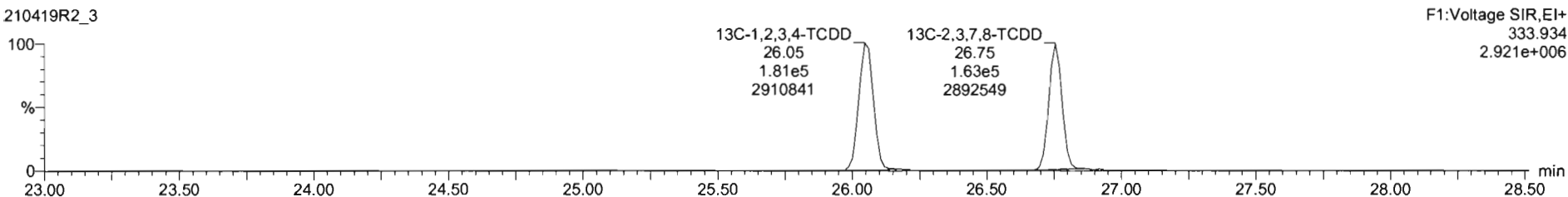


13C-2,3,7,8-TCDD

210419R2\_3



210419R2\_3



Dataset: Untitled

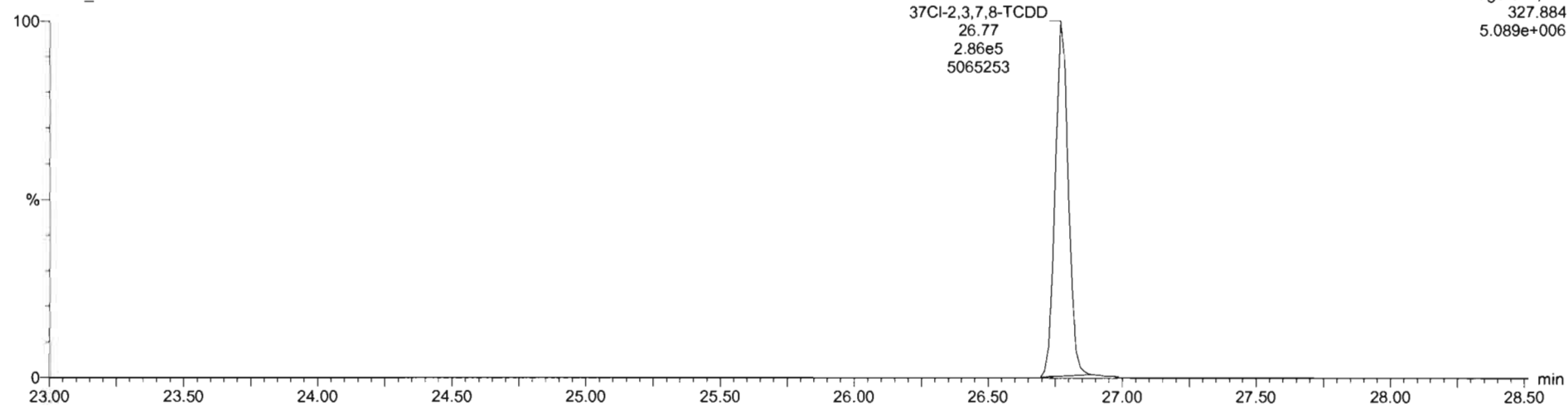
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

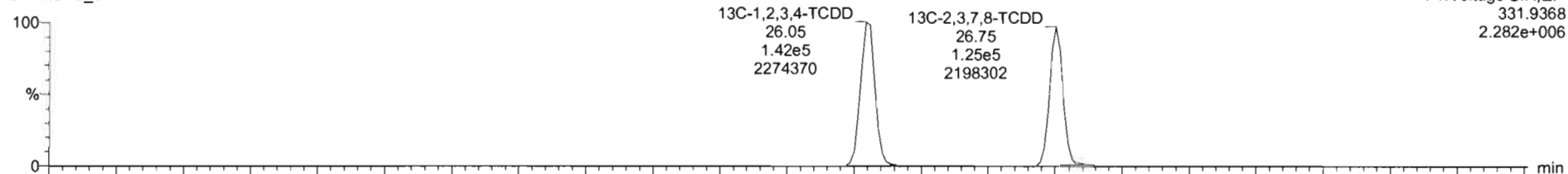
**37Cl-2,3,7,8-TCDD**

210419R2\_3

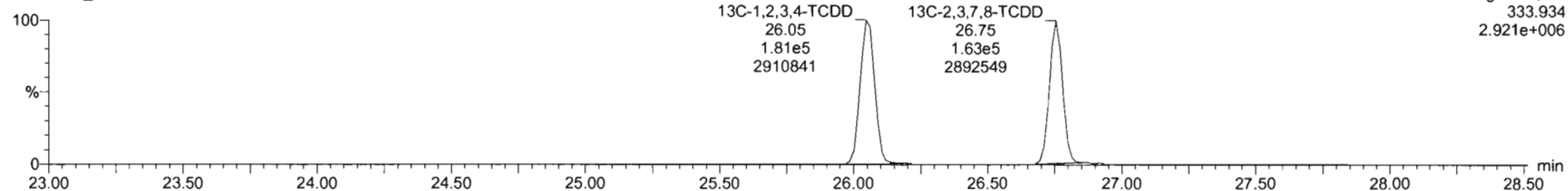


**13C-1,2,3,4-TCDD**

210419R2\_3



210419R2\_3



Dataset: Untitled

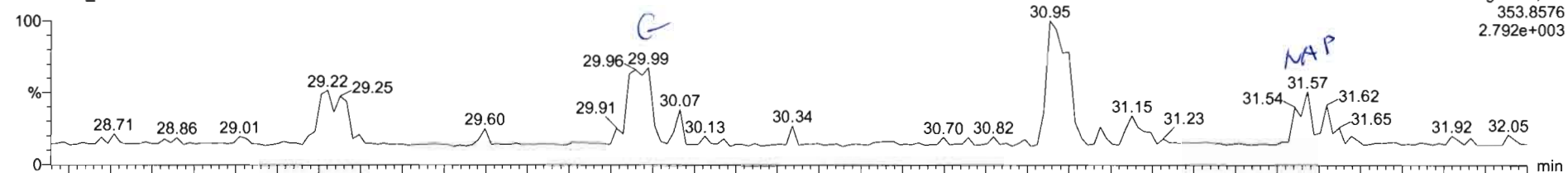
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

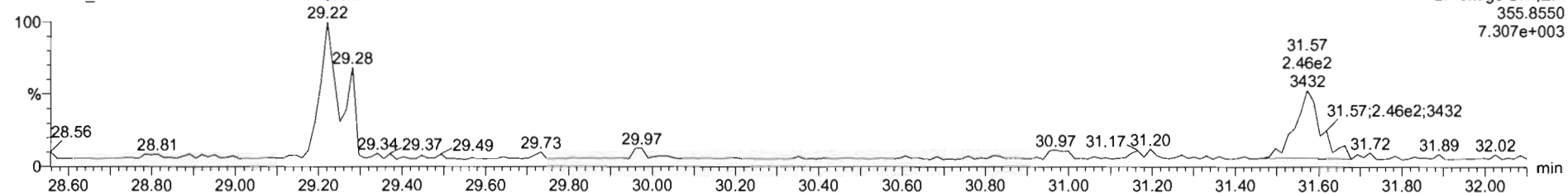
Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDD

210419R2\_3

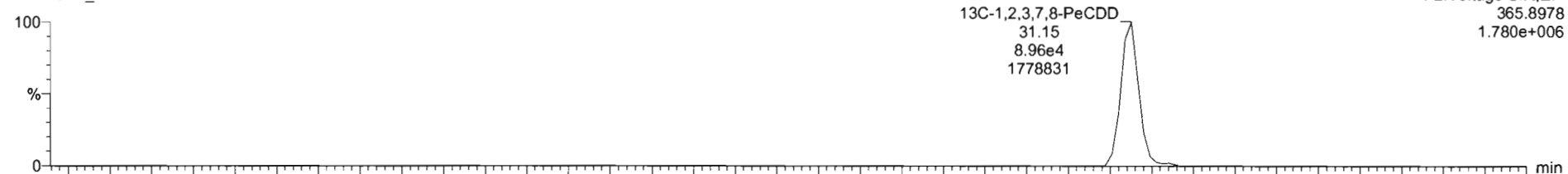


210419R2\_3

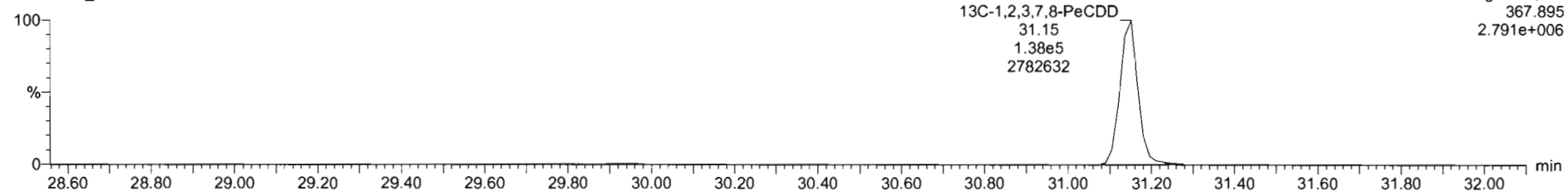


13C-1,2,3,7,8-PeCDD

210419R2\_3



210419R2\_3





Dataset: Untitled

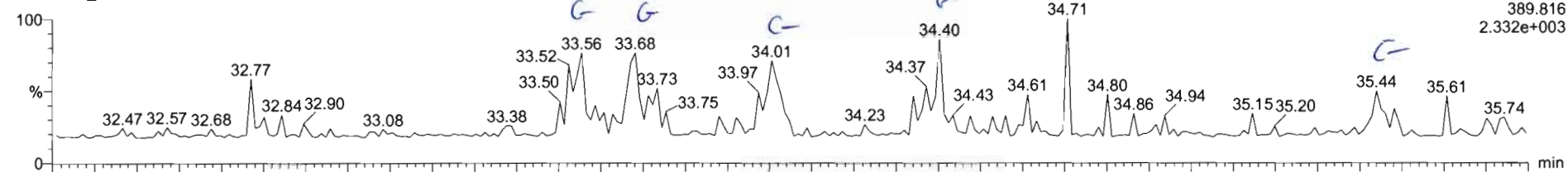
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

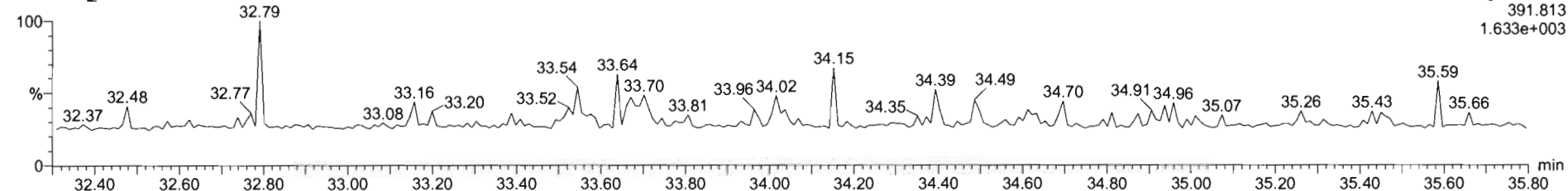
Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

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

210419R2\_3

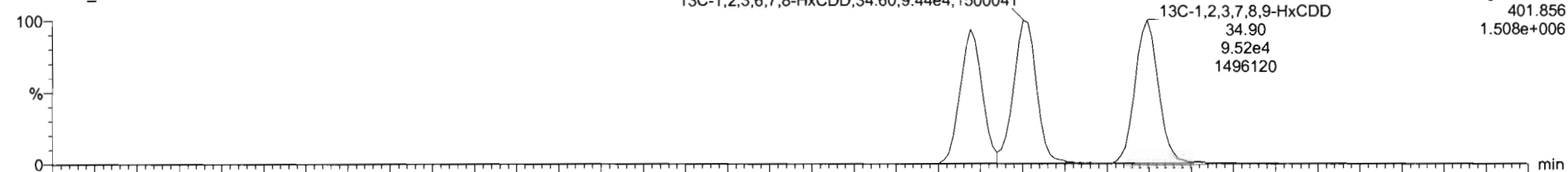


210419R2\_3

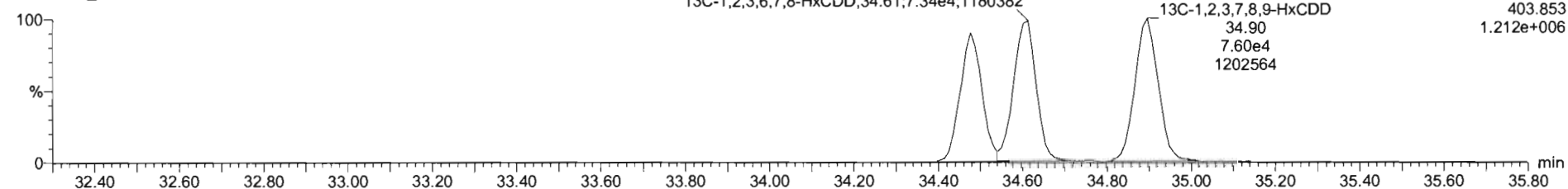


13C-1,2,3,4,7,8-HxCDD

210419R2\_3



210419R2\_3





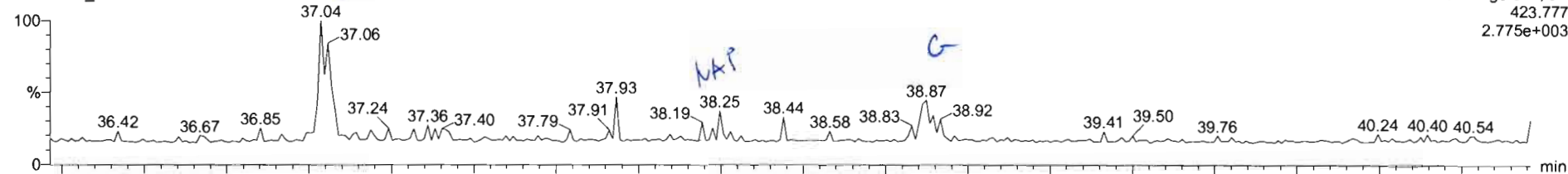
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

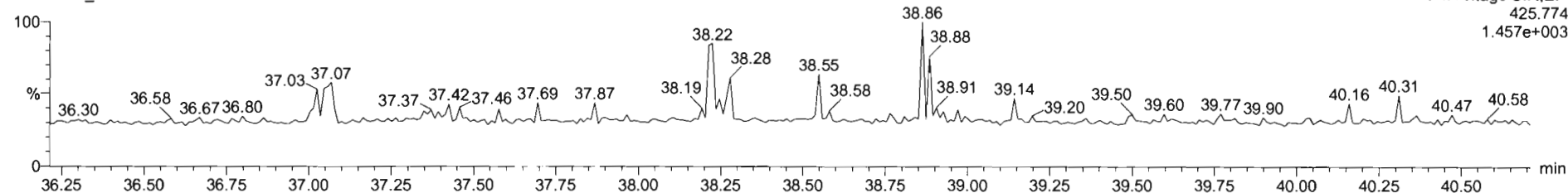
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1,2,3,4,6,7,8-HpCDD

210419R2\_3

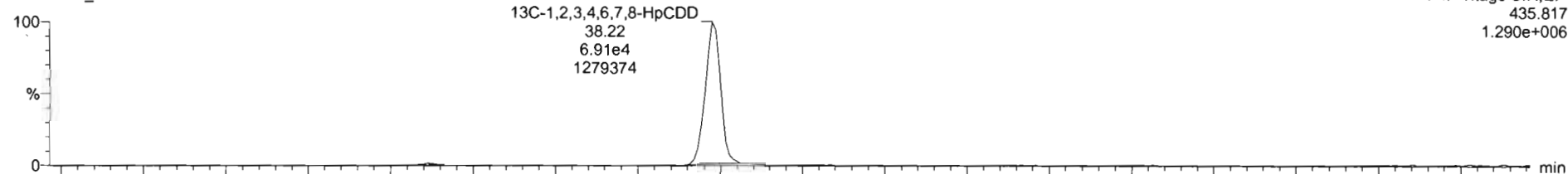


210419R2\_3

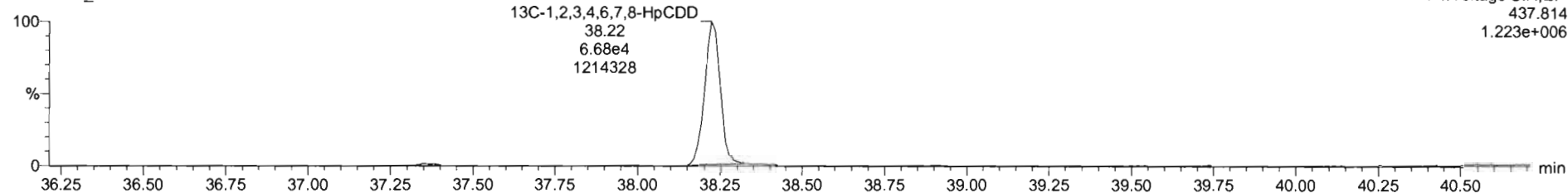


13C-1,2,3,4,6,7,8-HpCDD

210419R2\_3



210419R2\_3



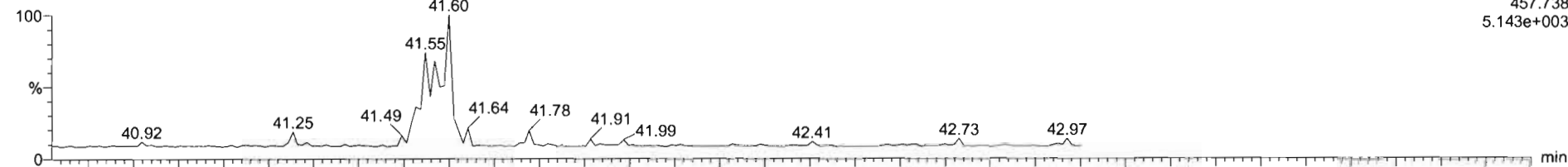
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

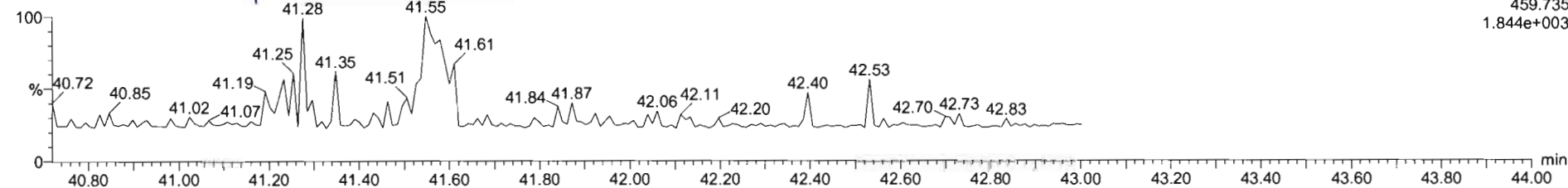
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OCDD

210419R2\_3

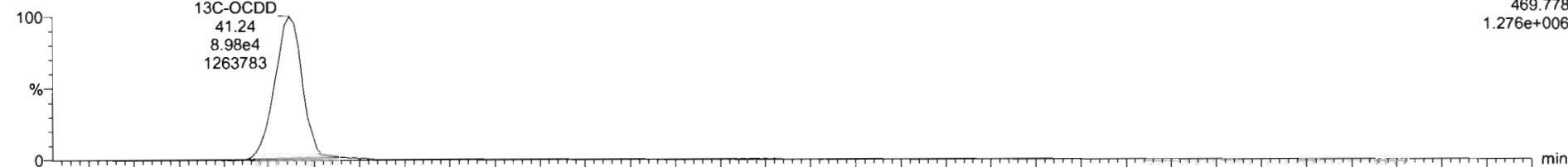


210419R2\_3

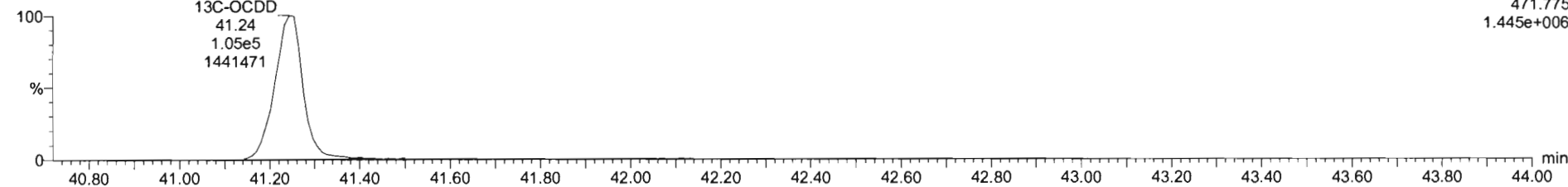


13C-OCDD

210419R2\_3



210419R2\_3

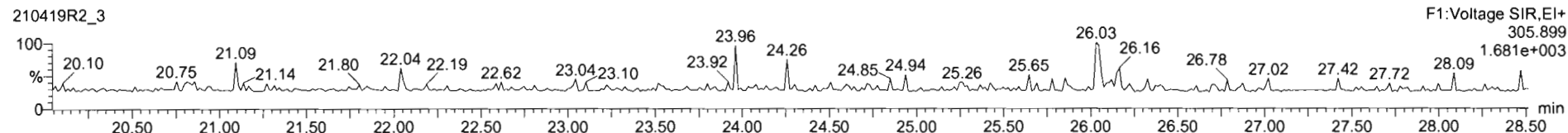
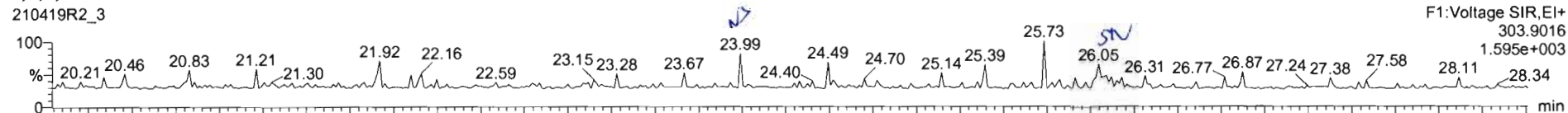


Dataset: Untitled

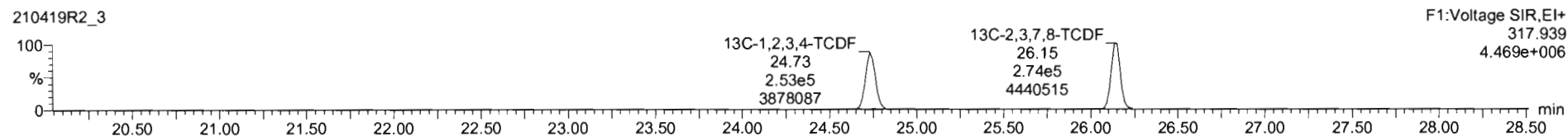
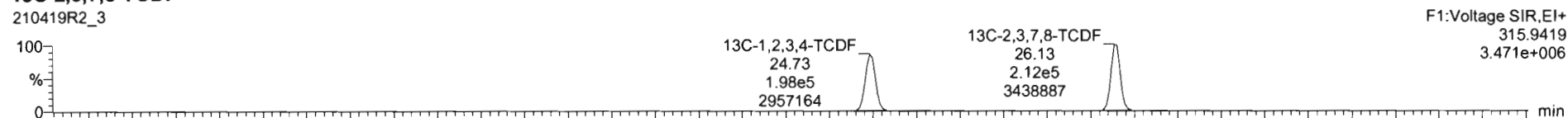
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

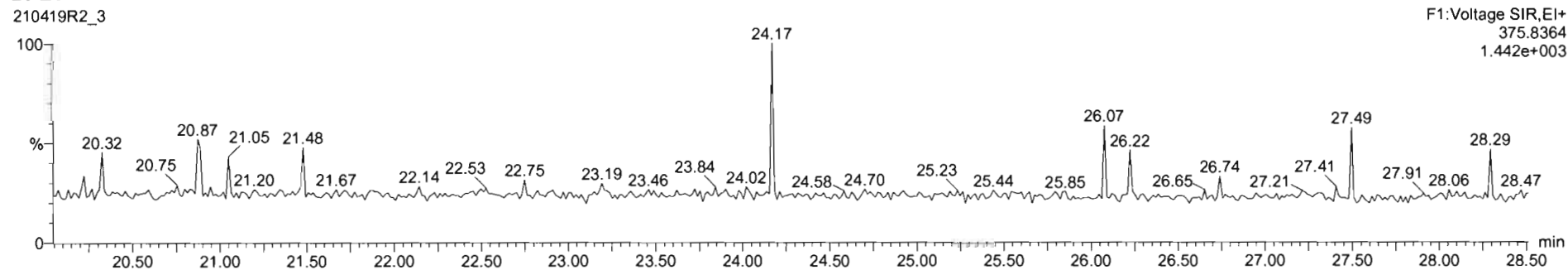
**2,3,7,8-TCDF**



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



**DPE1**



Dataset: Untitled

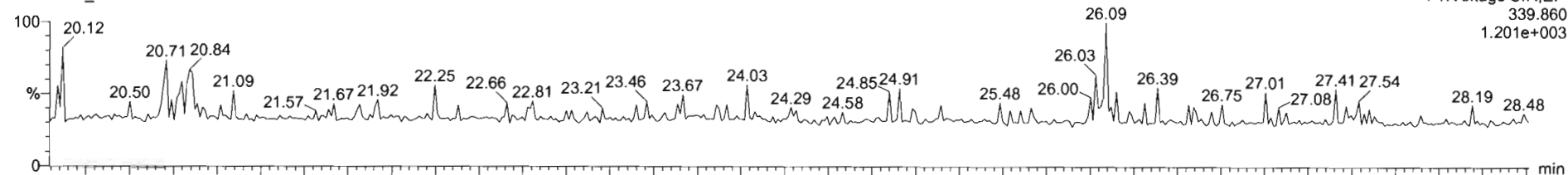
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

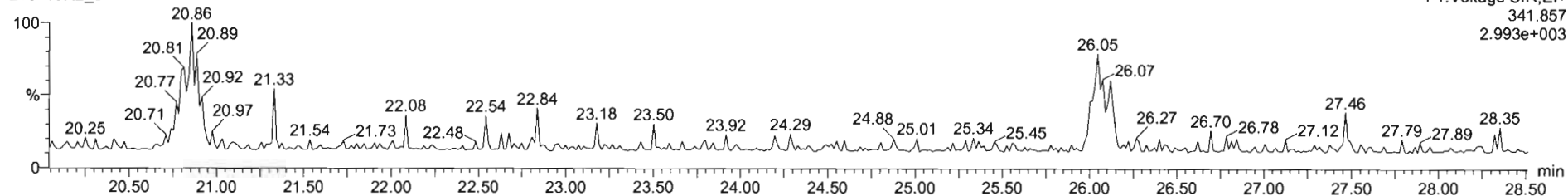
Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

210419R2\_3

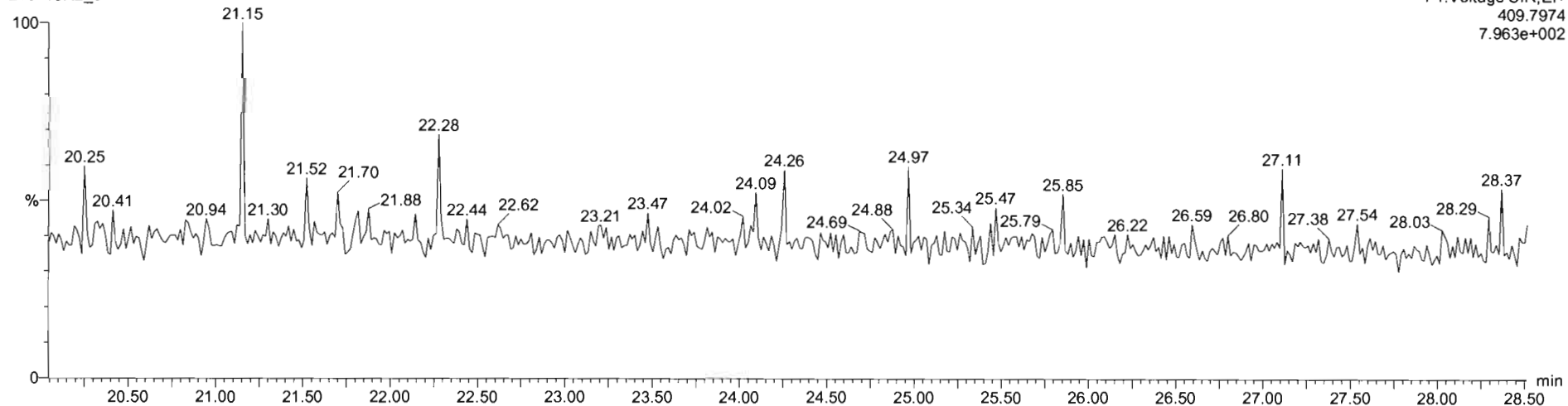


210419R2\_3



DPE6

210419R2\_3



Dataset: Untitled

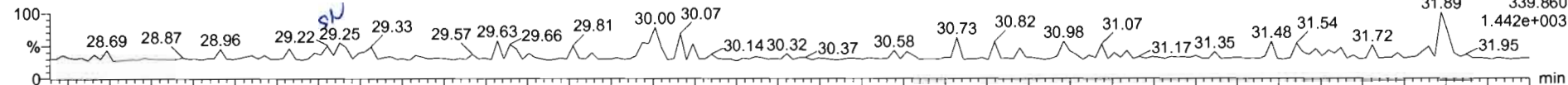
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

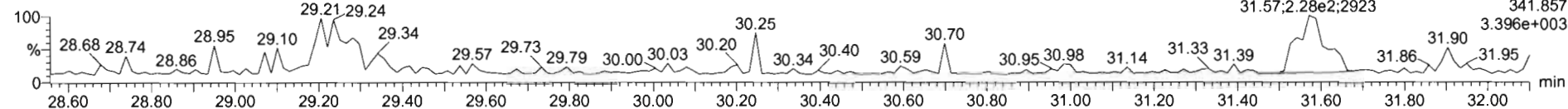
Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDF

210419R2\_3



210419R2\_3

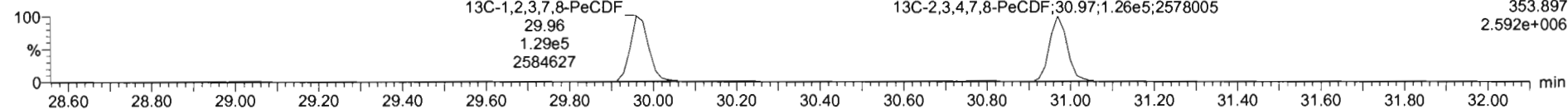


13C-1,2,3,7,8-PeCDF

210419R2\_3

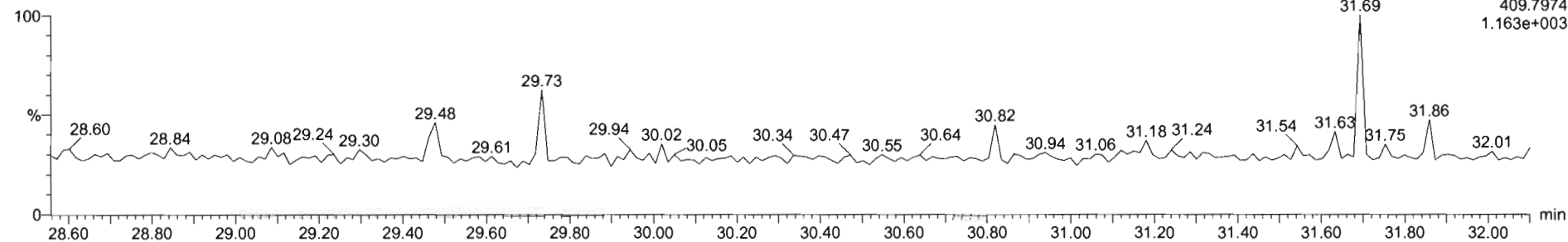


210419R2\_3



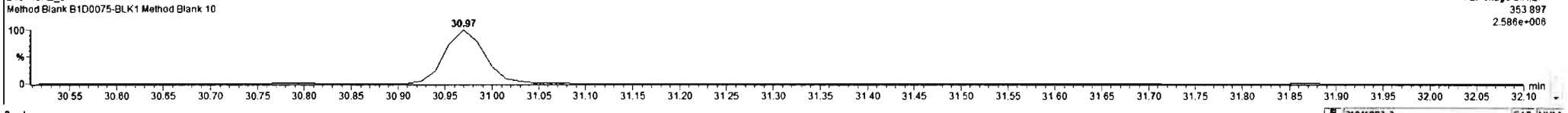
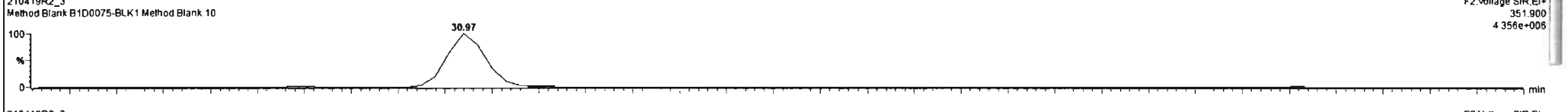
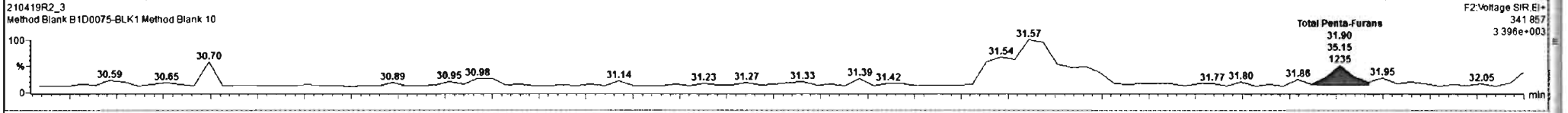
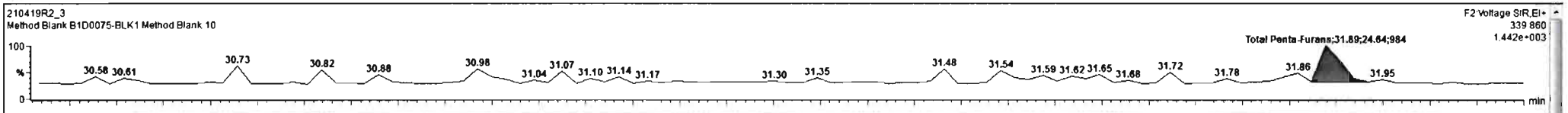
DPE2

210419R2\_3



Name	Resp	RA	n/y	RRF	wtVoi	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.000					0.0180	
44 1st Func. Penta-Furans				0.8771	10.000					0.0131	
45 Total Penta-Furans				0.8771	10.000			0.000		0.0299	0.0274
46 Total Hexa-Furans				0.9725	10.000					0.0378	
47 Total Hepta-Furans				1.0451	10.000					0.0377	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Furans	31.89	2.464e1	3.515e1	0.70	YES	0.027409	0.00000





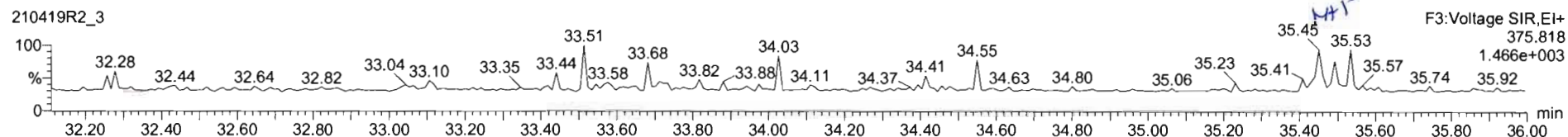
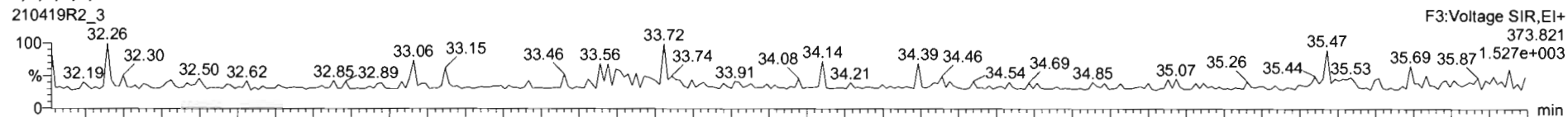
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

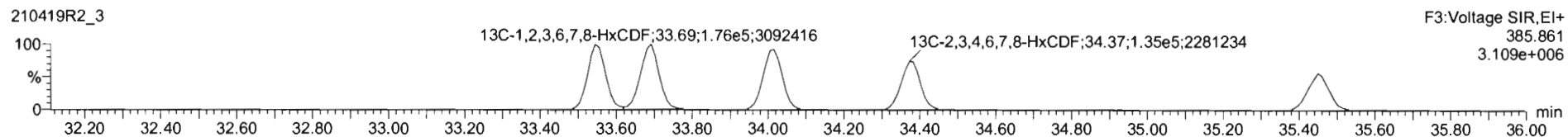
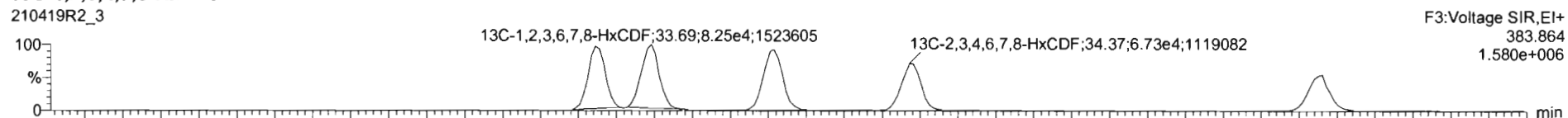
Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

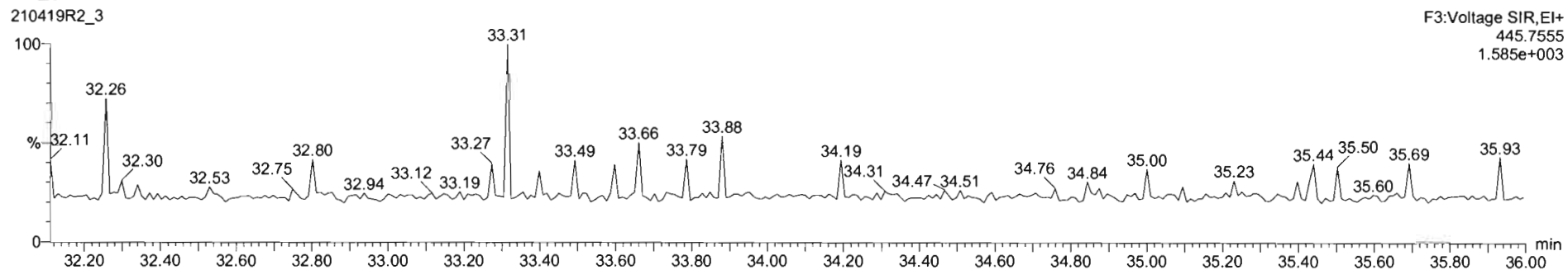
1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: Untitled

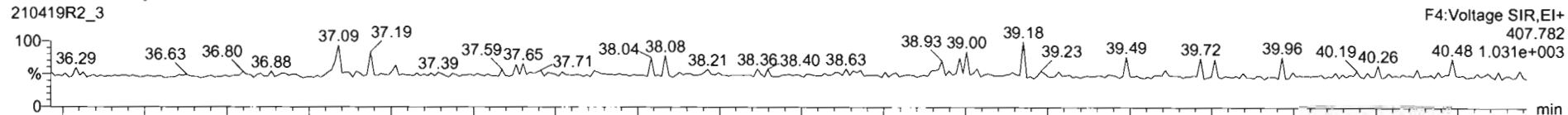
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

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

210419R2\_3





Dataset: Untitled

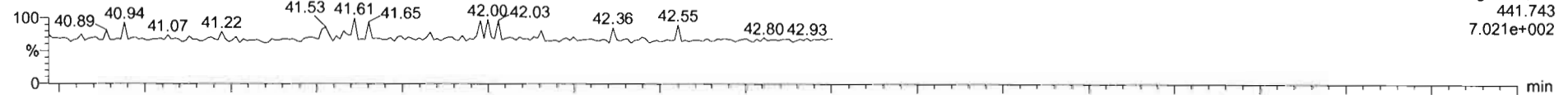
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

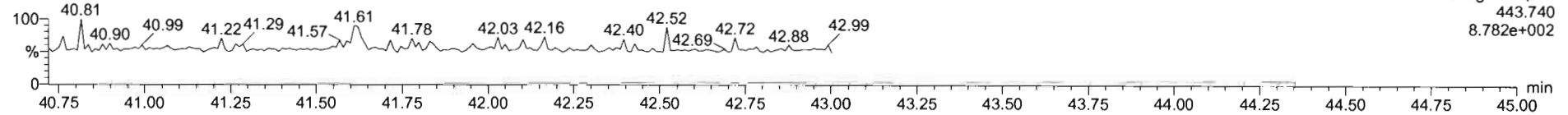
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OCDF

210419R2\_3

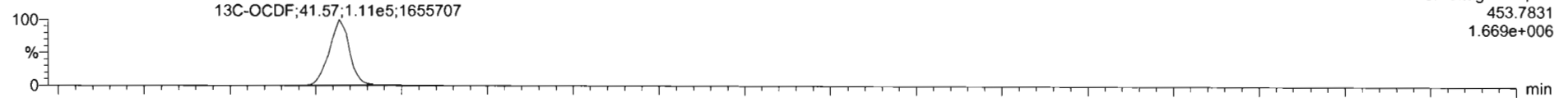


210419R2\_3

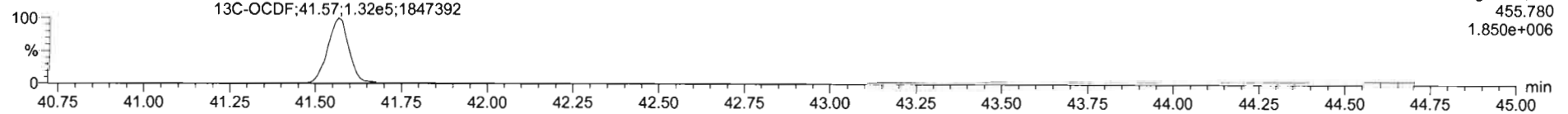


13C-OCDF

210419R2\_3

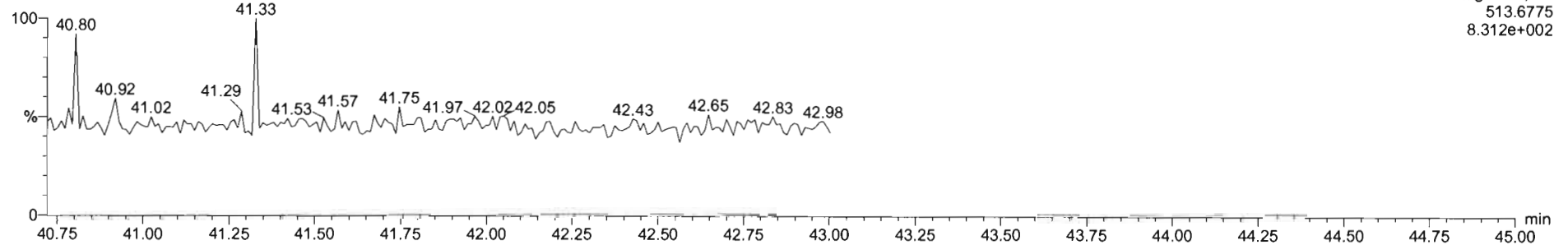


210419R2\_3



DPE5

210419R2\_3



Dataset: Untitled

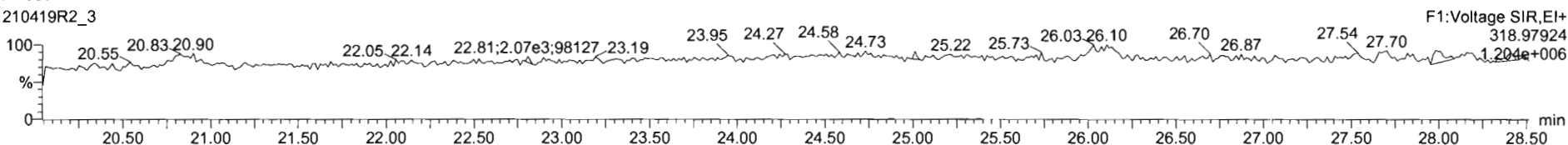
Last Altered: Tuesday, April 20, 2021 11:07:13 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:38 Pacific Daylight Time

Name: 210419R2\_3, Date: 19-Apr-2021, Time: 18:10:44, ID: B1D0075-BLK1 Method Blank 10, Description: Method Blank

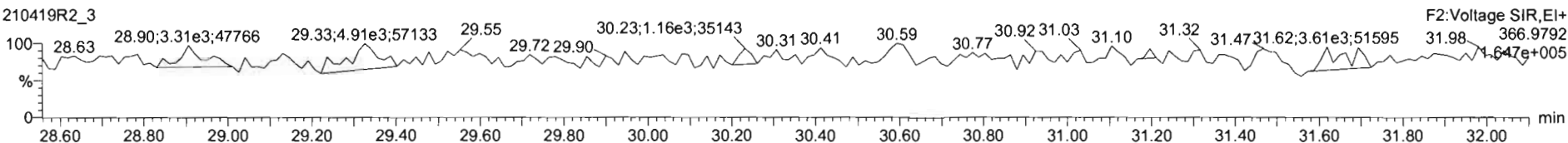
PFK1

210419R2\_3



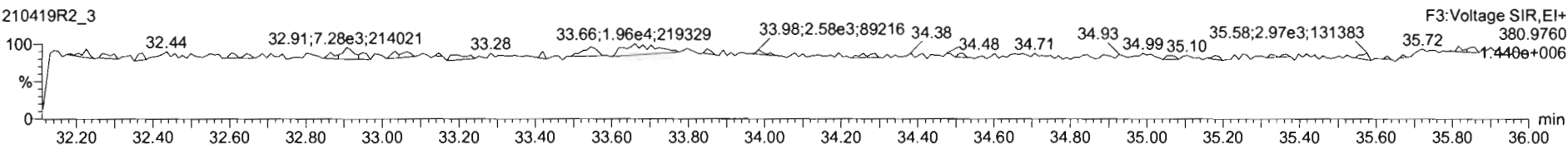
PFK2

210419R2\_3



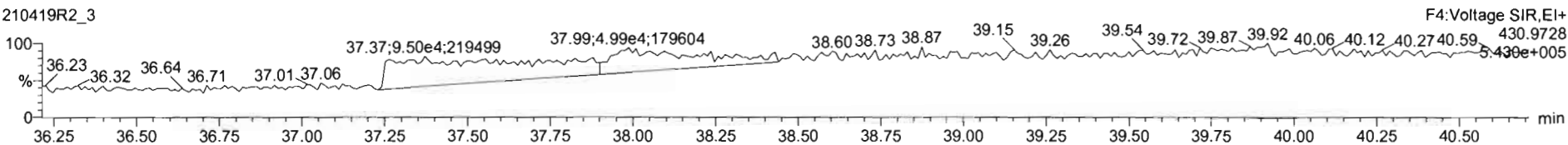
PFK3

210419R2\_3



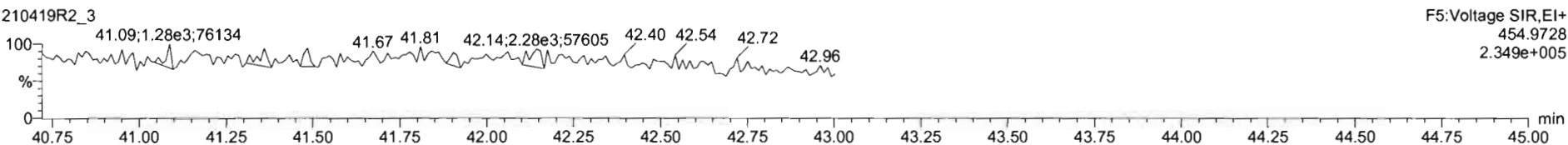
PFK4

210419R2\_3



PFK5

210419R2\_3



Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_2.qld

Last Altered: Tuesday, April 20, 2021 13:08:25 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:09:48 Pacific Daylight Time

*HNO 4/20/21*

*C704/20/2021*

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210416R1\_2, Date: 16-Apr-2021, Time: 11:46:18, ID: B1D0075-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	1.49e5	0.76	NO	0.929	10.000	26.802	26.78	1.001	1.001	23.040		0.0434	23.0
2	2 1,2,3,7,8-PeCDD	5.04e5	0.61	NO	0.826	10.000	31.181	31.17	1.001	1.001	113.50		0.116	114
3	3 1,2,3,4,7,8-HxCDD	3.68e5	1.25	NO	0.972	10.000	34.508	34.51	1.001	1.001	117.63		0.240	118
4	4 1,2,3,6,7,8-HxCDD	3.75e5	1.23	NO	0.877	10.000	34.644	34.63	1.001	1.000	113.26		0.242	113
5	5 1,2,3,7,8,9-HxCDD	3.69e5	1.23	NO	0.874	10.000	34.916	34.92	1.000	1.000	114.46		0.247	114
6	6 1,2,3,4,6,7,8-HpCDD	2.63e5	1.03	NO	0.899	10.000	38.257	38.26	1.000	1.000	112.99		0.418	113
7	7 OCDD	3.48e5	0.88	NO	0.852	10.000	41.283	41.30	1.000	1.001	218.18		0.681	218
8	8 2,3,7,8-TCDF	1.68e5	0.75	NO	0.747	10.000	26.152	26.18	1.000	1.001	22.611		0.0342	22.6
9	9 1,2,3,7,8-PeCDF	7.31e5	1.55	NO	0.877	10.000	29.978	29.99	1.000	1.001	117.18		0.230	117
10	10 2,3,4,7,8-PeCDF	8.06e5	1.55	NO	0.962	10.000	31.007	31.00	1.001	1.000	114.28		0.187	114
11	11 1,2,3,4,7,8-HxCDF	4.18e5	1.22	NO	0.920	10.000	33.565	33.58	1.000	1.001	111.54		0.224	112
12	12 1,2,3,6,7,8-HxCDF	5.16e5	1.22	NO	0.936	10.000	33.722	33.71	1.001	1.000	114.35		0.208	114
13	13 2,3,4,6,7,8-HxCDF	4.55e5	1.20	NO	0.973	10.000	34.403	34.40	1.001	1.001	114.12		0.244	114
14	14 1,2,3,7,8,9-HxCDF	3.86e5	1.23	NO	0.940	10.000	35.482	35.48	1.000	1.000	112.63		0.322	113
15	15 1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	1.05	10.000	37.087	37.09	1.000	1.001	113.55		0.366	114
16	16 1,2,3,4,7,8,9-HpCDF	2.69e5	1.02	NO	1.05	10.000	38.917	38.92	1.000	1.000	114.33		0.414	114
17	17 OCDF	3.98e5	0.87	NO	0.771	10.000	41.618	41.62	1.000	1.000	231.78		0.687	232
18	18 13C-2,3,7,8-TCDD	1.39e6	0.78	NO	1.10	10.000	26.735	26.77	1.026	1.027	188.92	94.5	0.120	
19	19 13C-1,2,3,7,8-PeCDD	1.08e6	0.63	NO	0.864	10.000	31.017	31.15	1.190	1.195	187.03	93.5	0.171	
20	20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.26	NO	0.746	10.000	34.475	34.49	1.013	1.014	161.97	81.0	0.320	
21	21 13C-1,2,3,6,7,8-HxCDD	7.55e5	1.25	NO	0.847	10.000	34.615	34.62	1.017	1.018	167.54	83.8	0.282	
22	22 13C-1,2,3,7,8,9-HxCDD	7.37e5	1.22	NO	0.868	10.000	34.900	34.91	1.026	1.026	159.59	79.8	0.275	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.18e5	1.04	NO	0.664	10.000	38.157	38.25	1.121	1.124	146.62	73.3	0.507	
24	24 13C-OCDD	7.49e5	0.89	NO	0.561	10.000	41.182	41.28	1.210	1.213	250.94	62.7	0.632	
25	25 13C-2,3,7,8-TCDF	1.99e6	0.77	NO	1.09	10.000	26.149	26.15	1.003	1.003	170.68	85.3	0.102	
26	26 13C-1,2,3,7,8-PeCDF	1.42e6	1.58	NO	0.809	10.000	29.867	29.98	1.146	1.150	164.89	82.4	0.340	
27	27 13C-2,3,4,7,8-PeCDF	1.47e6	1.56	NO	0.803	10.000	30.847	30.99	1.184	1.189	171.27	85.6	0.343	
28	28 13C-1,2,3,4,7,8-HxCDF	8.15e5	0.51	NO	1.01	10.000	33.560	33.56	0.986	0.986	151.51	75.8	0.512	
29	29 13C-1,2,3,6,7,8-HxCDF	9.64e5	0.51	NO	1.07	10.000	33.689	33.70	0.990	0.990	168.83	84.4	0.482	
30	30 13C-2,3,4,6,7,8-HxCDF	8.20e5	0.52	NO	0.910	10.000	34.383	34.38	1.010	1.010	169.37	84.7	0.569	
31	31 13C-1,2,3,7,8,9-HxCDF	7.29e5	0.51	NO	0.828	10.000	35.469	35.47	1.042	1.042	165.40	82.7	0.625	

Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_2.qld

Last Altered: Tuesday, April 20, 2021 13:08:25 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:09:48 Pacific Daylight Time

Name: 210416R1\_2, Date: 16-Apr-2021, Time: 11:46:18, ID: B1D0075-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	5.32e5	0.43	NO	0.661	10.000	37.041	37.07	1.089	1.089	151.20	75.6	0.561	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.49e5	0.44	NO	0.566	10.000	38.824	38.90	1.141	1.143	149.26	74.6	0.655	
34	34 13C-OCDF	8.91e5	0.87	NO	0.663	10.000	41.512	41.61	1.220	1.223	252.83	63.2	0.588	
35	35 37Cl-2,3,7,8-TCDD	1.43e6			2.07	10.000	26.962	26.78	1.035	1.028	103.67	130	0.0255	
36	36 13C-1,2,3,4-TCDD	1.33e6	0.78	NO	1.00	10.000	26.290	26.06	1.000	1.000	200.00	100	0.133	
37	37 13C-1,2,3,4-TCDF	2.13e6	0.78	NO	1.00	10.000	25.020	24.74	1.000	1.000	200.00	100	0.112	
38	38 13C-1,2,3,4,6,9-HxCDF	1.06e6	0.52	NO	1.00	10.000	34.190	34.03	1.000	1.000	200.00	100	0.518	

Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_2.qld

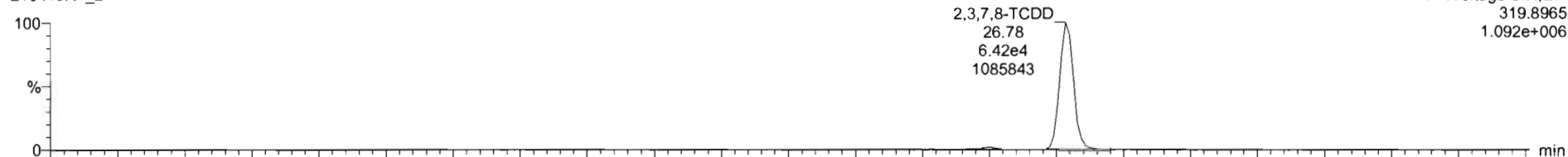
Last Altered: Friday, April 16, 2021 12:32:19 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

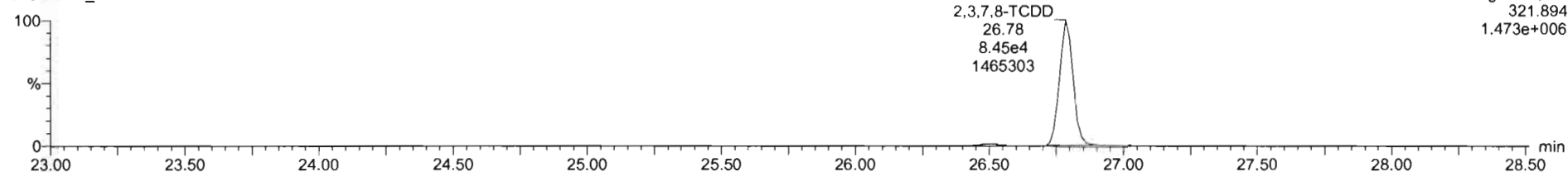
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**2,3,7,8-TCDD**

210416R1\_2

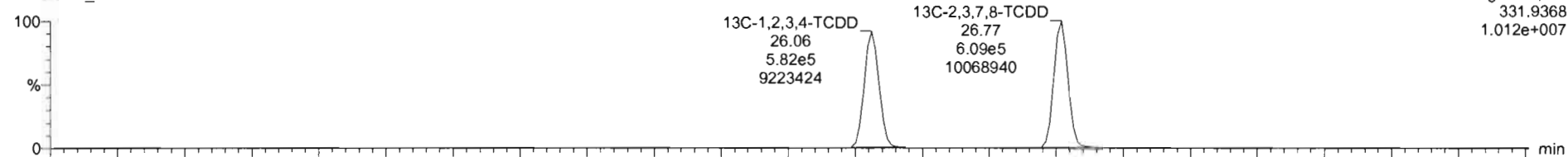


210416R1\_2

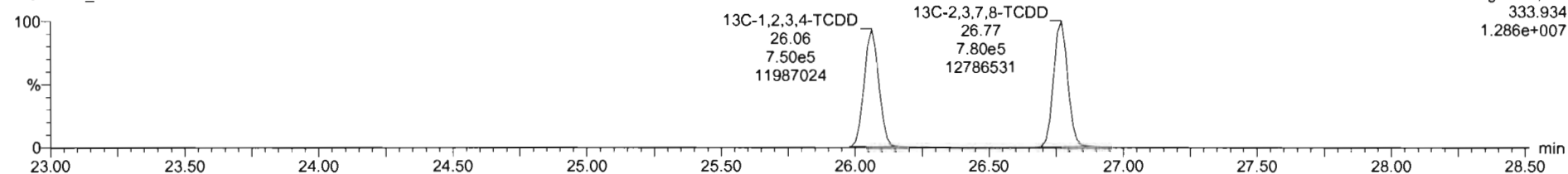


**13C-2,3,7,8-TCDD**

210416R1\_2



210416R1\_2



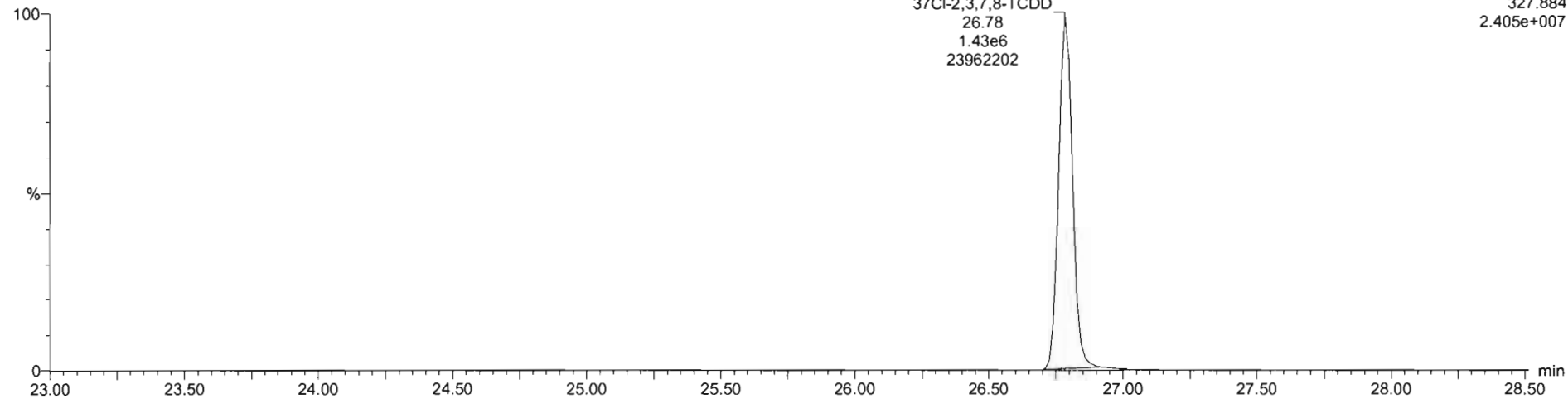
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Last Altered: Friday, April 16, 2021 12:32:19 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

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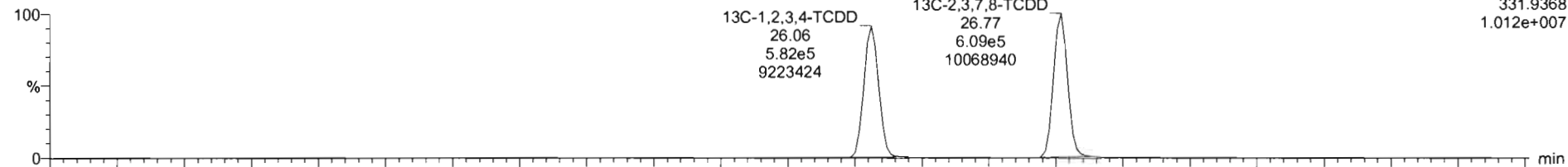
**37Cl-2,3,7,8-TCDD**

210416R1\_2

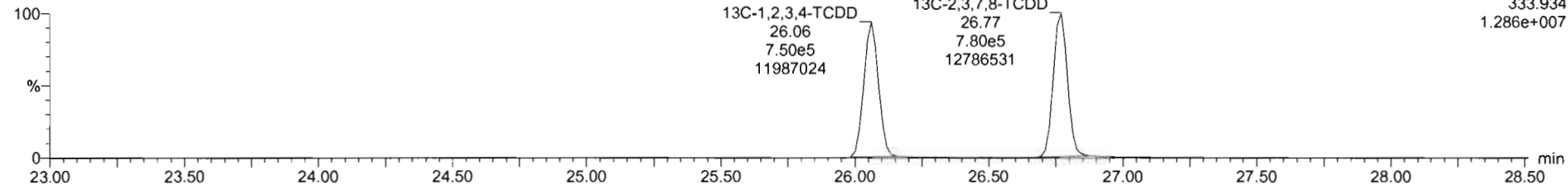


**13C-1,2,3,4-TCDD**

210416R1\_2



210416R1\_2



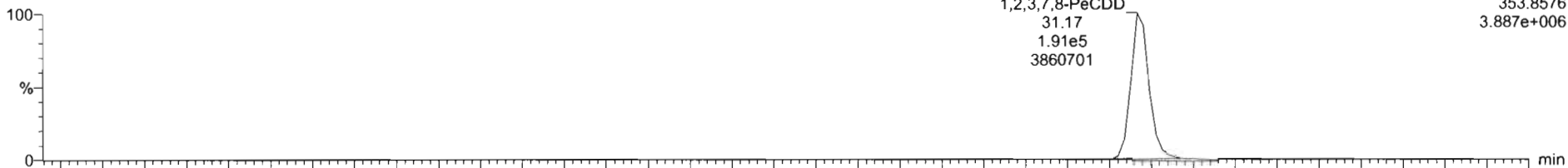
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Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

Name: 210416R1\_2, Date: 16-Apr-2021, Time: 11:46:18, ID: B1D0075-BS1 OPR 10, Description: OPR

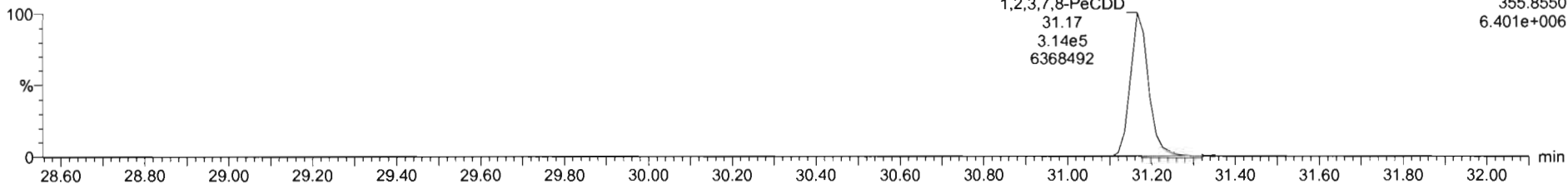
**1,2,3,7,8-PeCDD**

210416R1\_2



F2:Voltage SIR,EI+  
353.8576  
3.887e+006

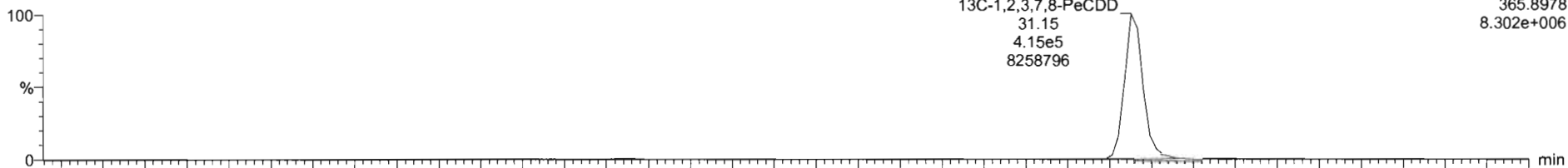
210416R1\_2



F2:Voltage SIR,EI+  
355.8550  
6.401e+006

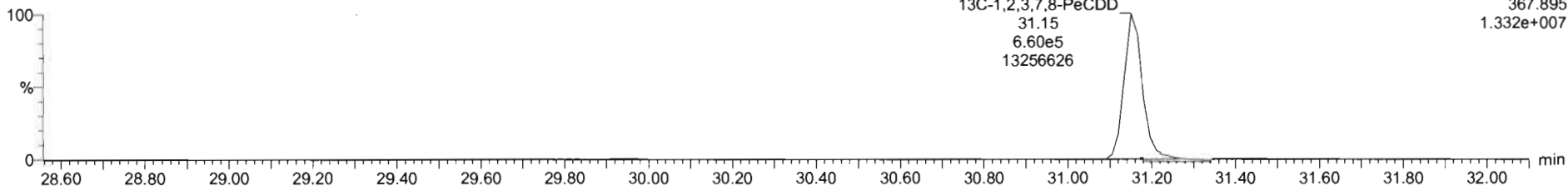
**13C-1,2,3,7,8-PeCDD**

210416R1\_2



F2:Voltage SIR,EI+  
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8.302e+006

210416R1\_2



F2:Voltage SIR,EI+  
367.895  
1.332e+007

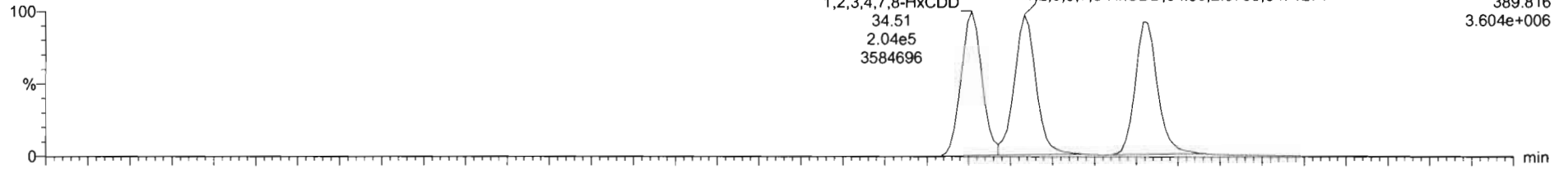
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Last Altered: Friday, April 16, 2021 12:32:19 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

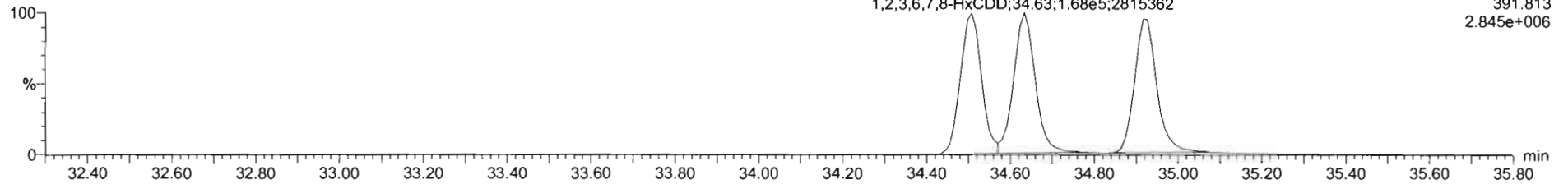
Name: 210416R1\_2, Date: 16-Apr-2021, Time: 11:46:18, ID: B1D0075-BS1 OPR 10, Description: OPR

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

210416R1\_2

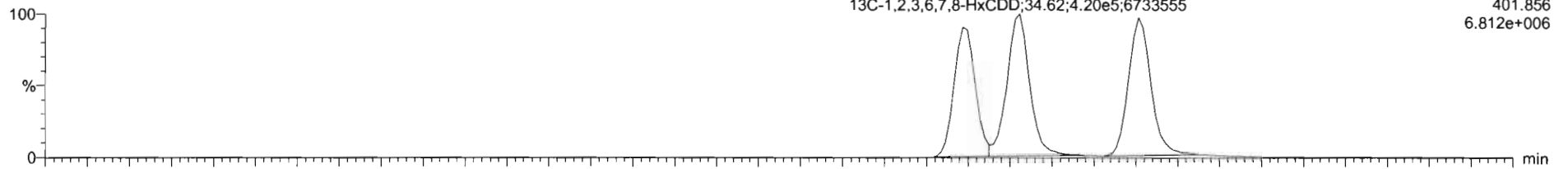


210416R1\_2

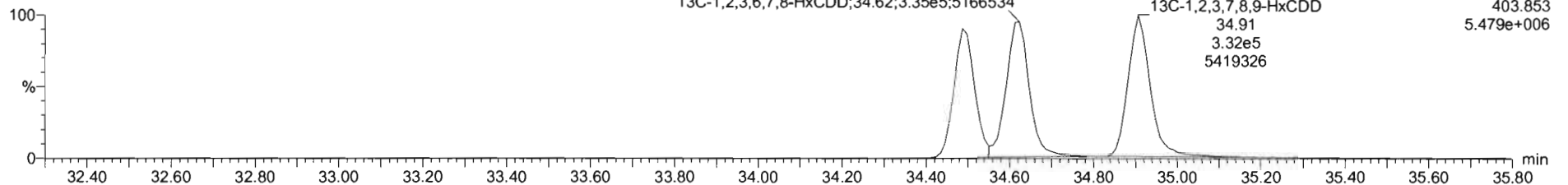


**13C-1,2,3,4,7,8-HxCDD**

210416R1\_2



210416R1\_2



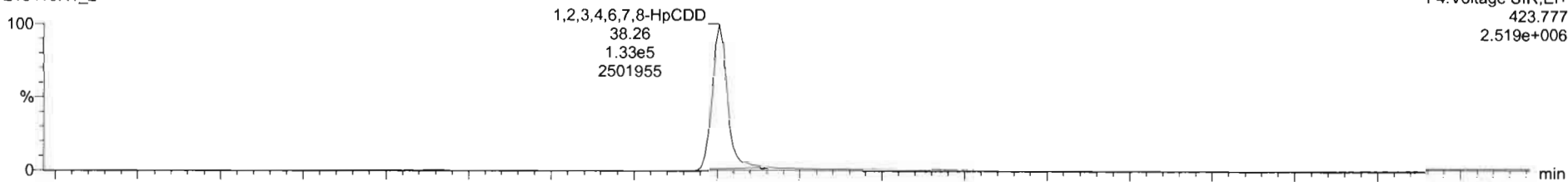


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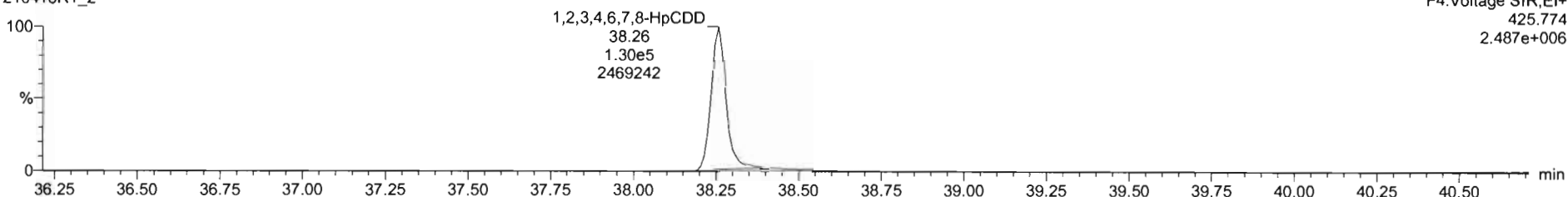
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1,2,3,4,6,7,8-HpCDD

210416R1\_2

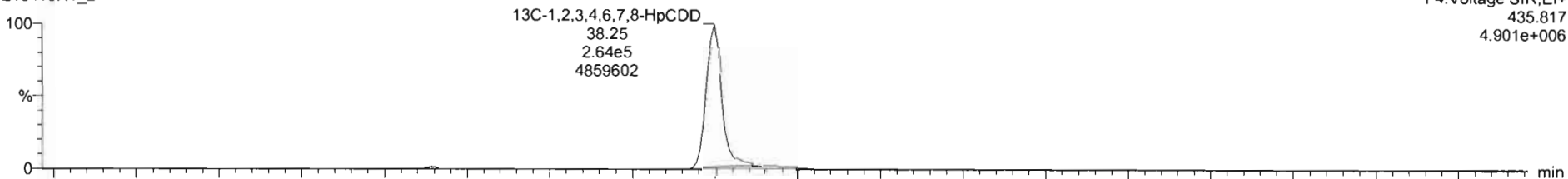


210416R1\_2

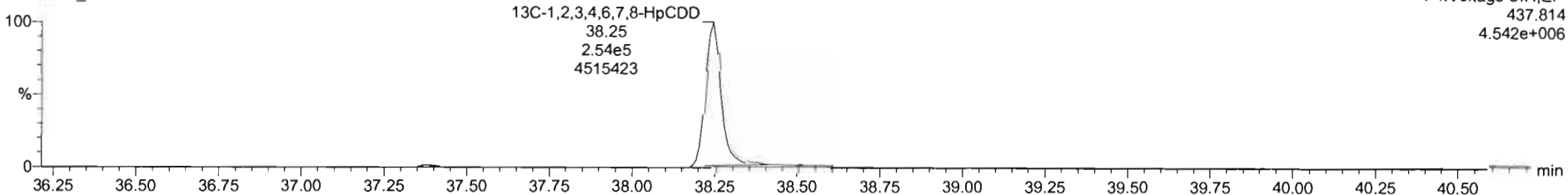


13C-1,2,3,4,6,7,8-HpCDD

210416R1\_2



210416R1\_2



Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_2.qld

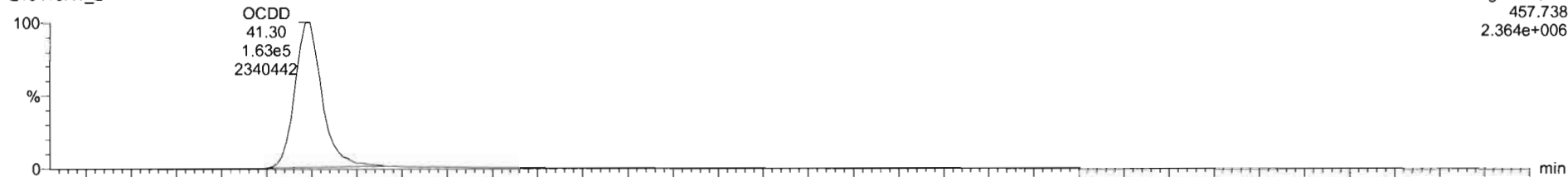
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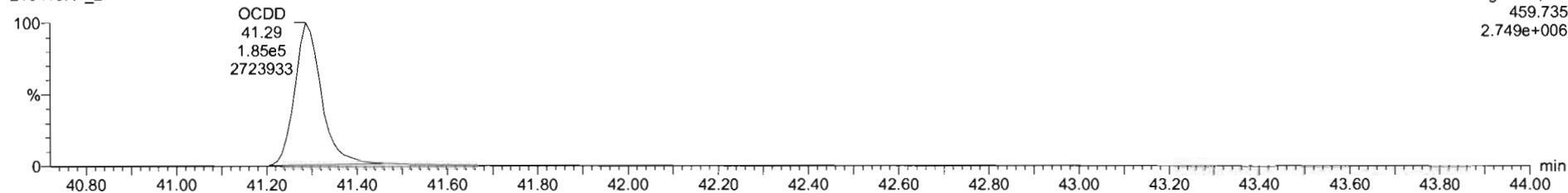
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**OCDD**

210416R1\_2

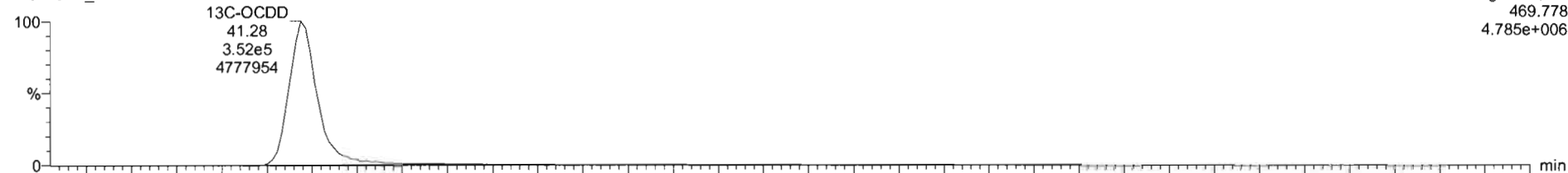


210416R1\_2

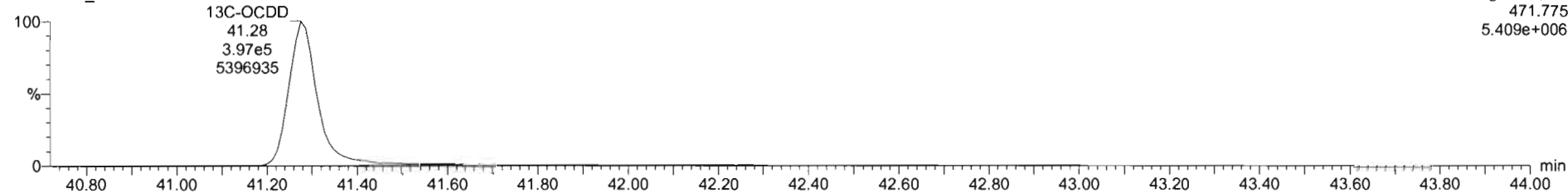


**13C-OCDD**

210416R1\_2



210416R1\_2



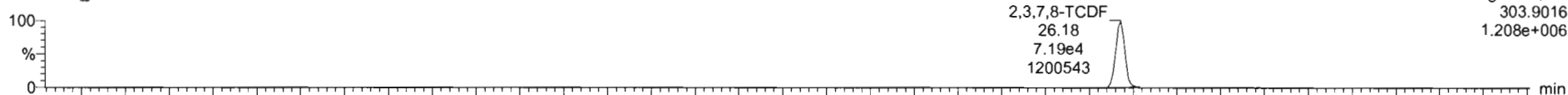
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Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

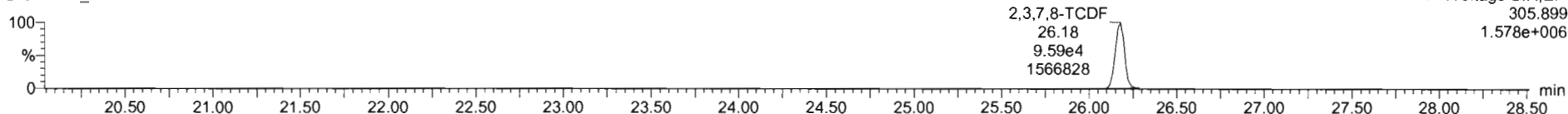
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**2,3,7,8-TCDF**

210416R1\_2

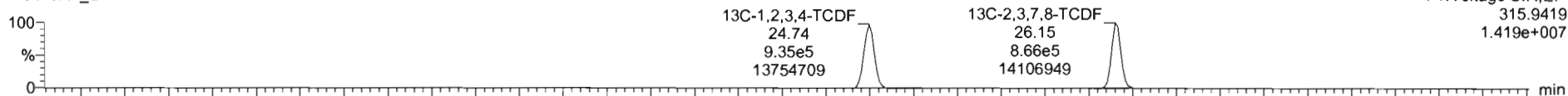


210416R1\_2

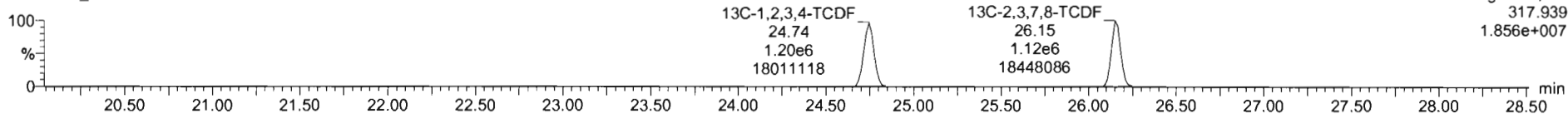


**13C-2,3,7,8-TCDF**

210416R1\_2

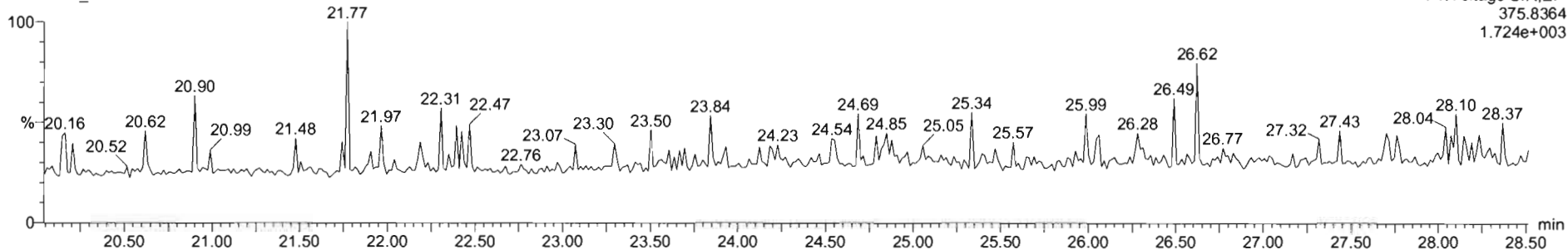


210416R1\_2



**DPE1**

210416R1\_2



Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_2.qld

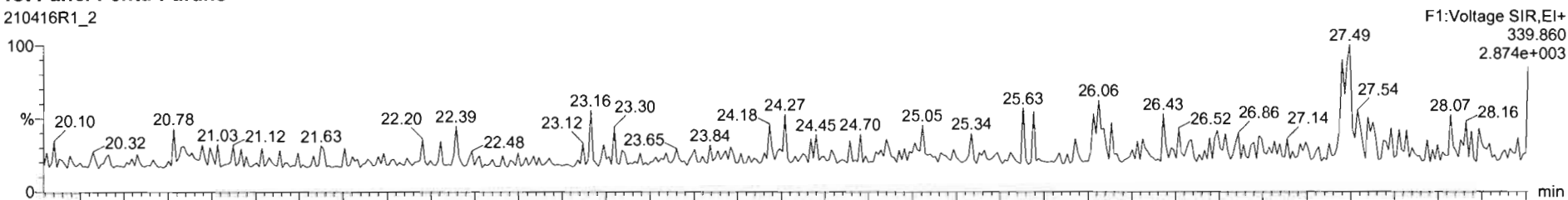
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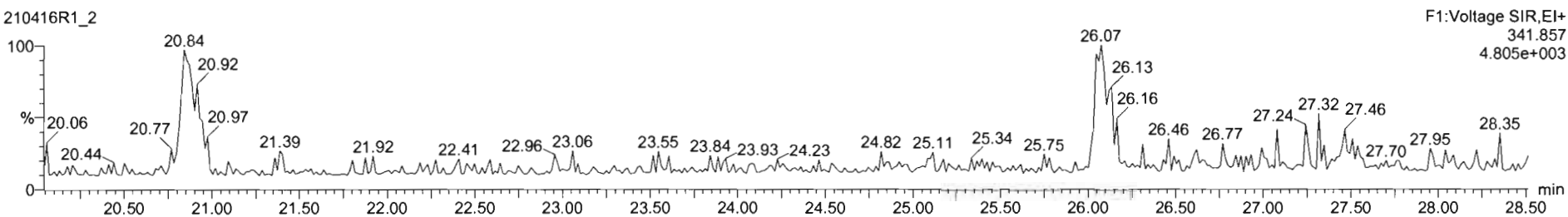
Name: 210416R1\_2, Date: 16-Apr-2021, Time: 11:46:18, ID: B1D0075-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans

210416R1\_2

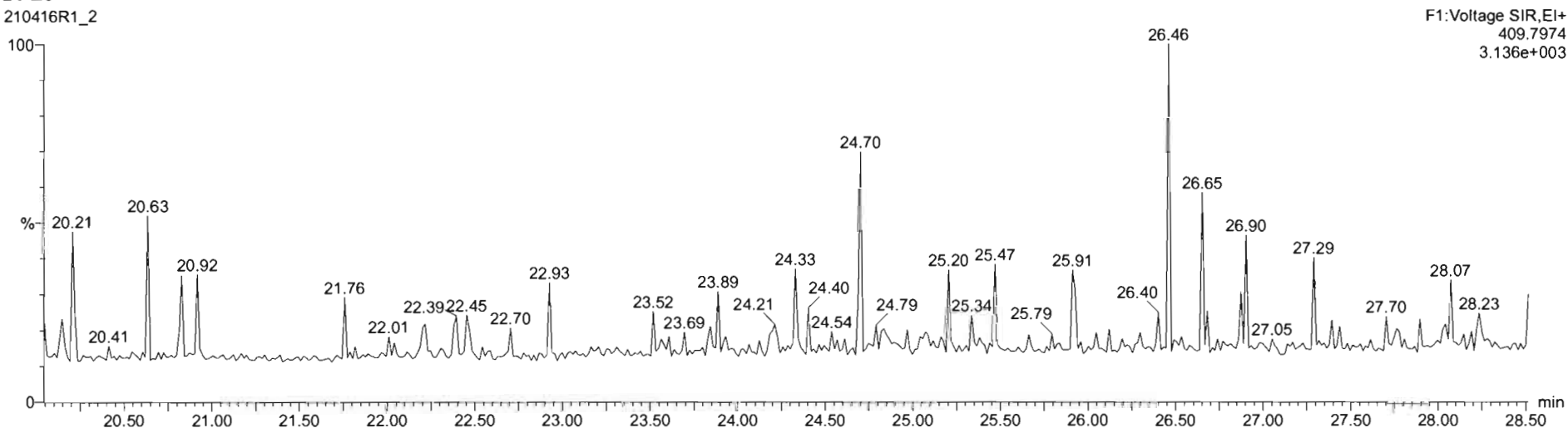


210416R1\_2



DPE6

210416R1\_2



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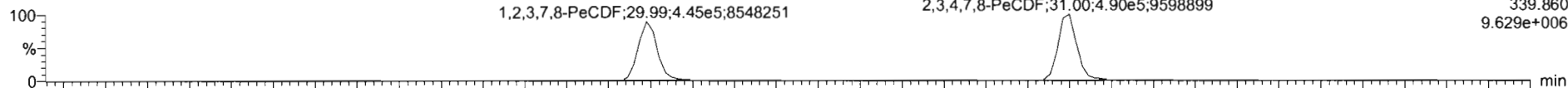
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Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

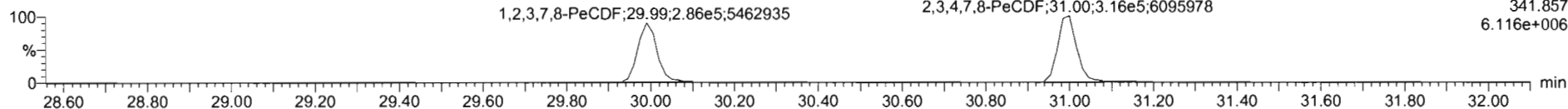
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**1,2,3,7,8-PeCDF**

210416R1\_2

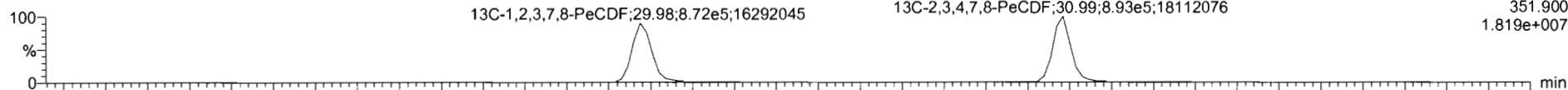


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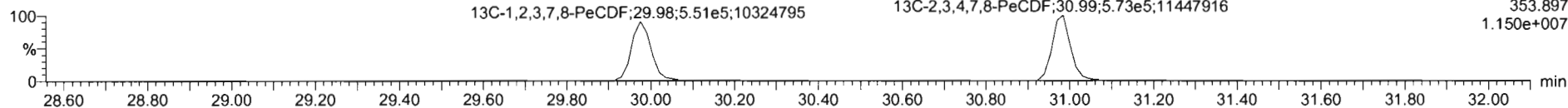


**13C-1,2,3,7,8-PeCDF**

210416R1\_2

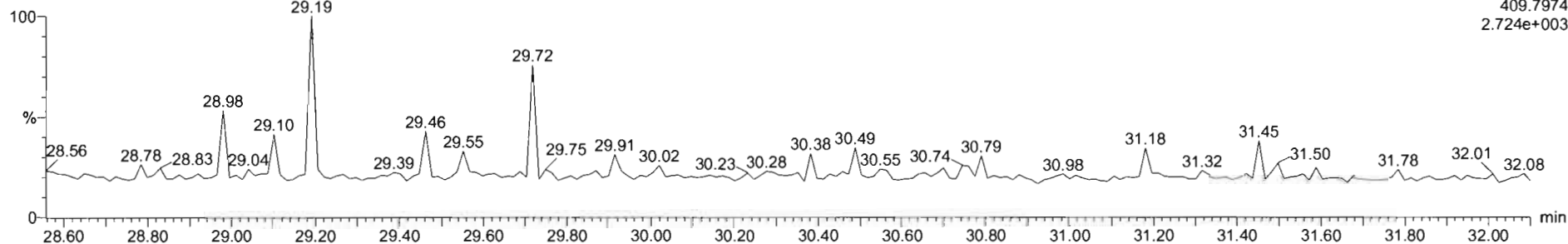


210416R1\_2



**DPE2**

210416R1\_2



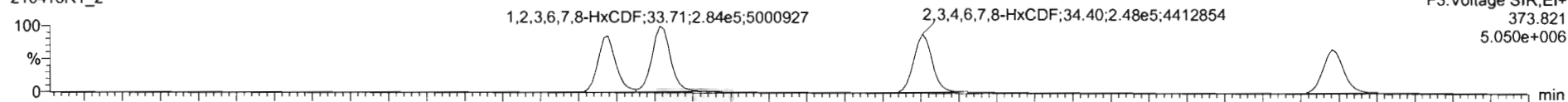
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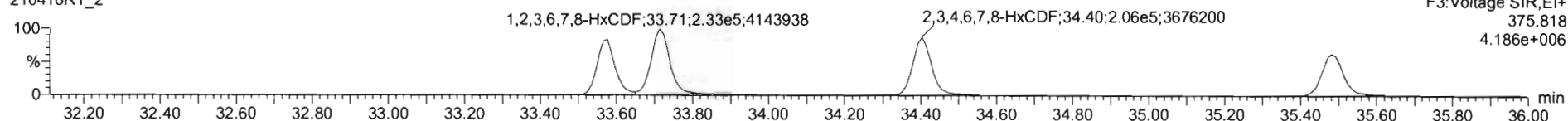
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1,2,3,4,7,8-HxCDF

210416R1\_2

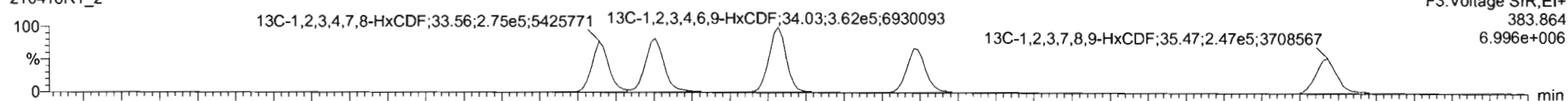


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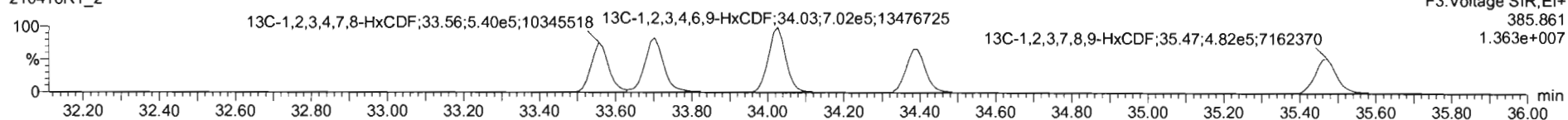


13C-1,2,3,4,7,8-HxCDF

210416R1\_2

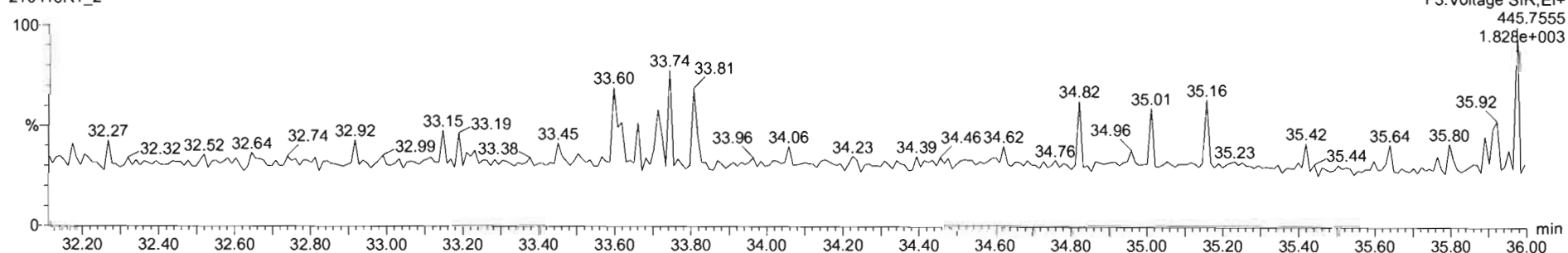


210416R1\_2



DPE3

210416R1\_2

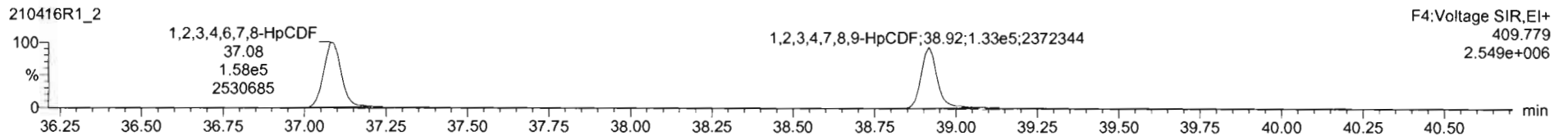
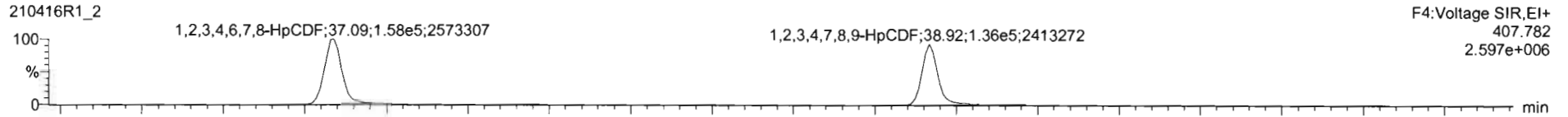


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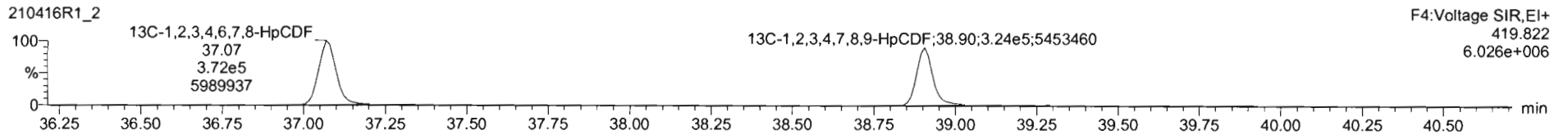
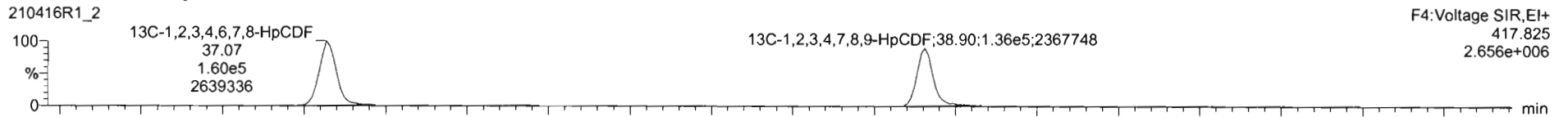
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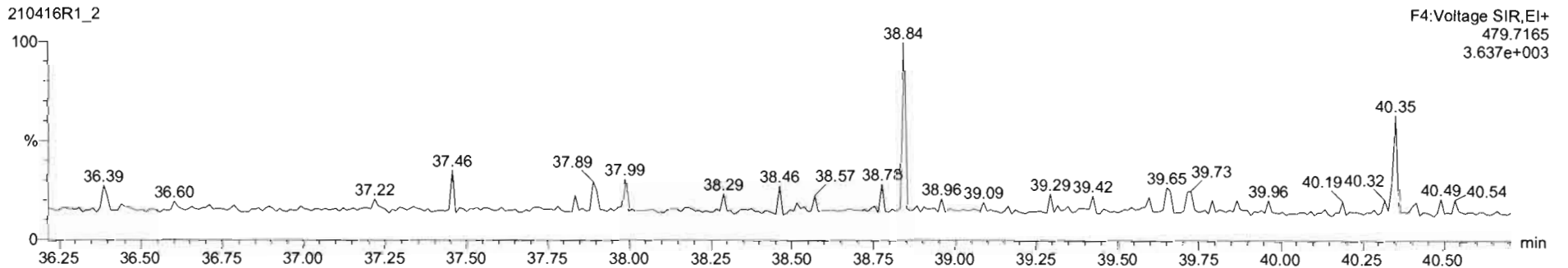
**1,2,3,4,6,7,8-HpCDF**



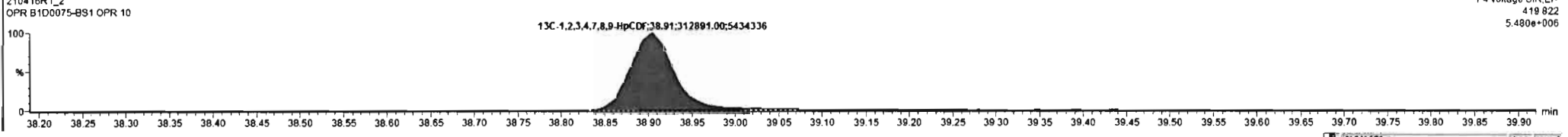
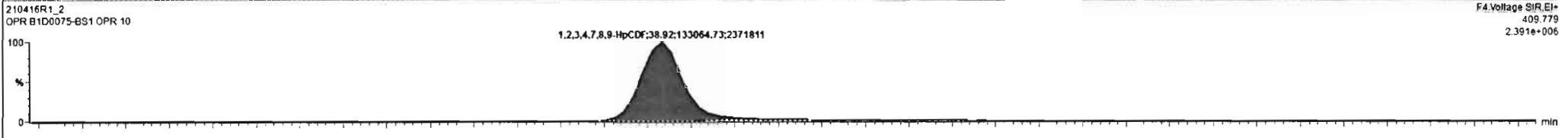
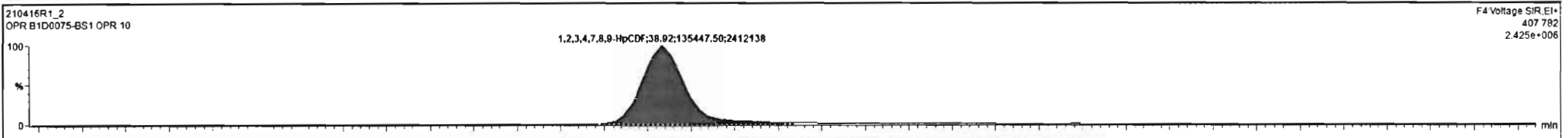
**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**



Name	Resp	RA	slj	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
13 2,3,4,6,7,8-HxCDF	4.55e5	1.20	NO	0.9725	10.000	34.40	1.001	114		0.244	114
14 1,2,3,7,8,9-HxCDF	3.86e5	1.23	NO	0.9396	10.000	35.48	1.000	113		0.322	113
15 1,2,3,4,8,7,8-HpCDF	3.16e5	1.00	NO	1.0481	10.000	37.09	1.001	114		0.366	114
16 1,2,3,4,7,8,9-HpCDF	2.89e5	1.02	NO	1.0453	10.000	38.92	1.000	114		0.414	114
17 OCDF	3.98e5	0.87	NO	0.7712	10.000	41.62	1.000	232		0.687	232
18 13C-2,3,7,8-TCDD	1.39e6	0.78	NO	1.1040	10.000	28.77	1.027	189	94.5	0.120	
19 13C-1,2,3,7,8-PeCDD	1.08e6	0.63	NO	0.8635	10.000	31.15	1.195	187	93.5	0.171	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.26	NO	0.7461	10.000	34.49	1.014	162	81.0	0.320	
21 13C-1,2,3,6,7,8-HxCDD	7.55e5	1.25	NO	0.8468	10.000	34.62	1.018	168	83.8	0.282	
22 13C-1,2,3,7,8,9-HxCDD	7.37e5	1.22	NO	0.8883	10.000	34.91	1.026	160	79.8	0.275	
23 13C-1,2,3,4,6,7,8-HpCDD	5.18e5	1.04	NO	0.6841	10.000	38.25	1.124	147	73.3	0.507	
24 13C-OCDD	7.49e5	0.89	NO	0.5607	10.000	41.28	1.213	251	62.7	0.632	





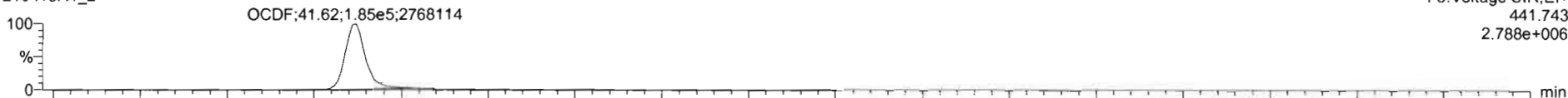
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Last Altered: Friday, April 16, 2021 12:32:19 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

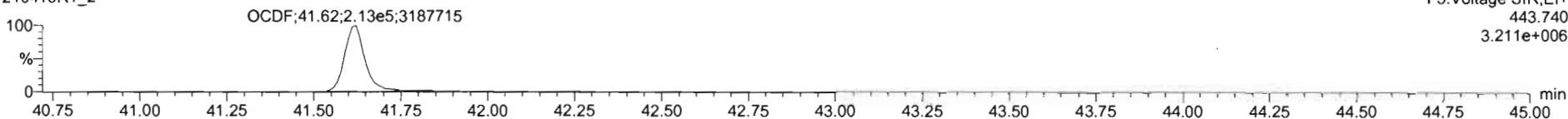
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**OCDF**

210416R1\_2

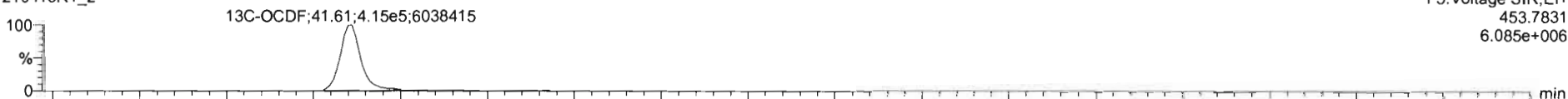


210416R1\_2

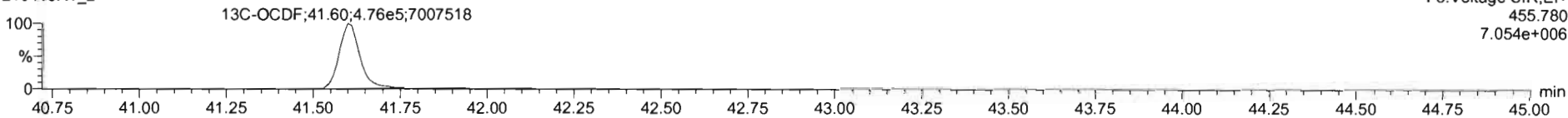


**13C-OCDF**

210416R1\_2

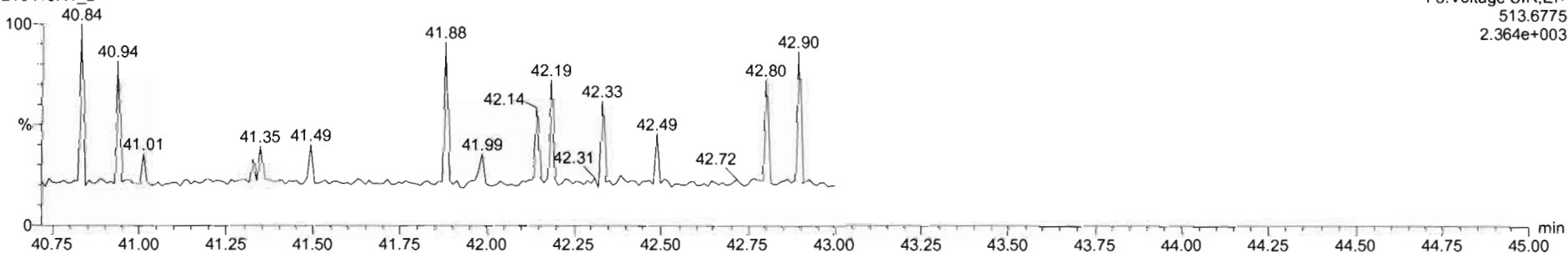


210416R1\_2



**DPE5**

210416R1\_2



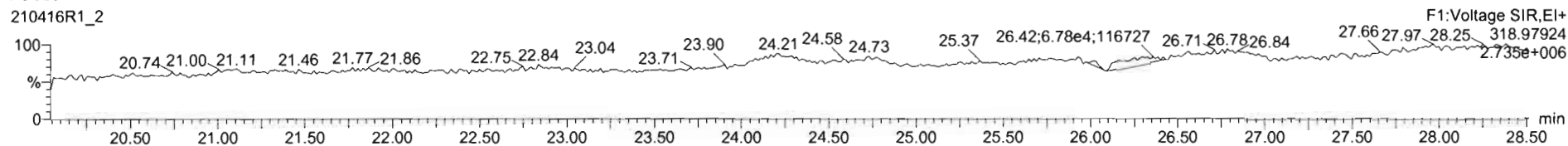
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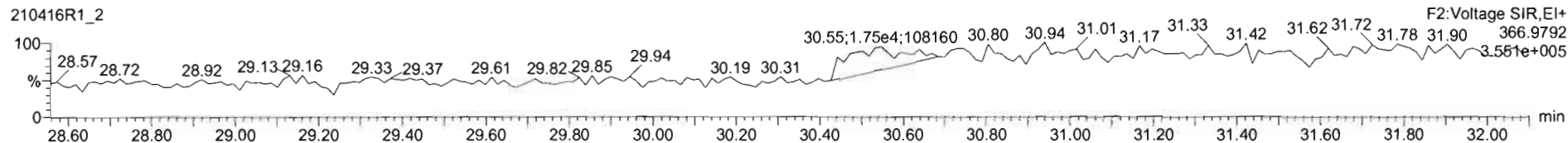
Printed: Saturday, April 17, 2021 09:53:08 Pacific Daylight Time

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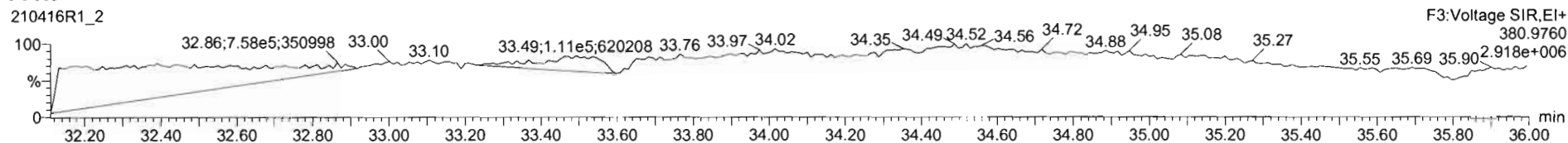
PFK1



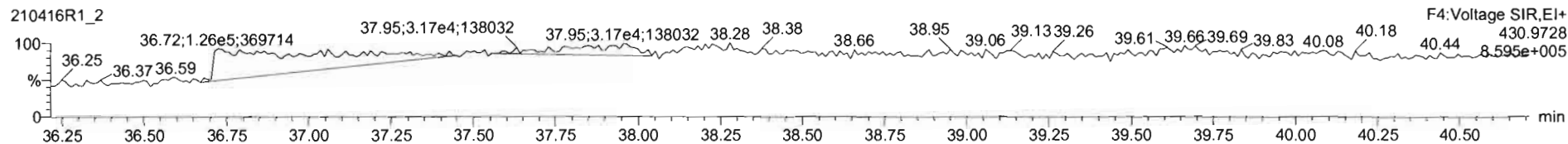
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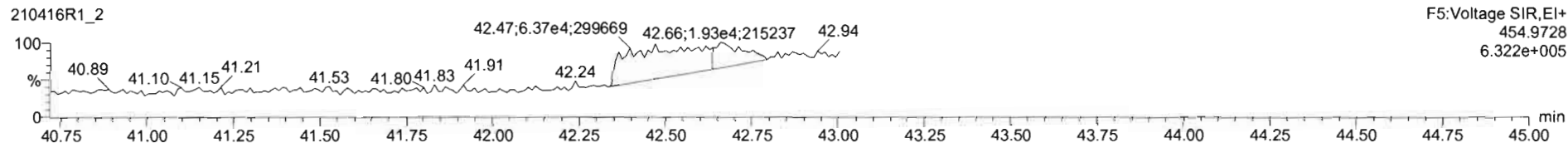
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-9.qld

Last Altered: Monday, April 19, 2021 16:41:02 Pacific Daylight Time  
Printed: Monday, April 19, 2021 16:42:18 Pacific Daylight Time

*DF04/19/21*

*CT05/03/2021*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311, Task: ST210409D1\_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.391					0.118	
2	1,2,3,7,8-PeCDD	1.79e2	0.58	NO	0.961	10.391	31.23	1.001	0.29942		0.154	0.299
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.391					0.308	
4	1,2,3,6,7,8-HxCDD	7.40e2	1.15	NO	1.04	10.391	34.85	1.001	1.3439		0.304	1.34
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.391					0.313	
6	1,2,3,4,6,7,8-HpCDD	8.48e3	1.04	NO	1.06	10.391	38.59	1.000	19.631		0.623	19.6
7	OCDD	3.76e4	0.90	NO	0.977	10.391	42.27	1.000	145.23		1.20	145
8	2,3,7,8-TCDF	6.32e2	0.80	NO	0.989	10.391	26.49	1.001	0.53436		0.112	0.534
9	1,2,3,7,8-PeCDF	4.21e2	1.78	NO	1.02	10.391	30.10	1.001	0.43280		0.125	0.433
10	2,3,4,7,8-PeCDF	8.87e2	1.58	NO	1.17	10.391	31.07	1.001	0.84220		0.102	0.842
11	1,2,3,4,7,8-HxCDF	5.93e2	1.30	NO	1.14	10.391	33.71	1.000	0.69485		0.203	0.695
12	1,2,3,6,7,8-HxCDF	4.17e2	1.08	NO	1.04	10.391	33.87	1.001	0.47641		0.212	0.476
13	2,3,4,6,7,8-HxCDF	4.59e2	1.08	NO	1.13	10.391	34.61	1.001	0.57365		0.243	0.574
14	1,2,3,7,8,9-HxCDF	1.63e2	1.97	YES	1.07	10.391	35.76	1.002	0.22830		0.292	0.171
15	1,2,3,4,6,7,8-HpCDF	2.75e3	0.97	NO	1.11	10.391	37.30	1.000	4.2397		0.156	4.24
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.391					0.224	
17	OCDF	2.12e3	0.89	NO	0.931	10.391	42.62	0.999	5.7737		0.910	5.77
18	13C-2,3,7,8-TCDD	1.55e5	0.75	NO	1.20	10.391	27.06	1.024	203.76	106	0.328	
19	13C-1,2,3,7,8-PeCDD	1.19e5	0.61	NO	0.864	10.391	31.21	1.181	218.65	114	0.686	
20	13C-1,2,3,4,7,8-HxCDD	8.71e4	1.36	NO	0.800	10.391	34.70	1.015	201.20	105	0.795	
21	13C-1,2,3,6,7,8-HxCDD	1.02e5	1.24	NO	0.674	10.391	34.82	1.018	209.34	109	0.707	
22	13C-1,2,3,7,8,9-HxCDD	1.03e5	1.25	NO	0.679	10.391	35.13	1.027	210.58	109	0.703	
23	13C-1,2,3,4,6,7,8-HpCDD	7.85e4	1.06	NO	0.558	10.391	38.58	1.128	194.75	101	1.15	
24	13C-OCDD	1.02e5	0.92	NO	0.496	10.391	42.27	1.236	285.21	74.1	1.24	
25	13C-2,3,7,8-TCDF	2.30e5	0.77	NO	1.03	10.391	26.48	1.002	207.96	108	0.312	
26	13C-1,2,3,7,8-PeCDF	1.83e5	1.63	NO	0.805	10.391	30.08	1.139	210.86	110	0.620	
27	13C-2,3,4,7,8-PeCDF	1.73e5	1.63	NO	0.748	10.391	31.05	1.175	214.11	111	0.667	
28	13C-1,2,3,4,7,8-HxCDF	1.44e5	0.49	NO	0.968	10.391	33.70	0.986	206.46	107	0.774	
29	13C-1,2,3,6,7,8-HxCDF	1.62e5	0.48	NO	1.08	10.391	33.85	0.990	206.67	107	0.690	
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	0.50	NO	0.960	10.391	34.58	1.011	197.02	102	0.780	

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-9.qld

Last Altered: Monday, April 19, 2021 16:41:02 Pacific Daylight Time

Printed: Monday, April 19, 2021 16:42:18 Pacific Daylight Time

Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311, Task: ST210409D1\_1

	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	0.53	NO	0.869	10.391	35.71	1.044	205.39	107	0.862	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	0.41	NO	0.794	10.391	37.30	1.091	195.36	101	1.27	
33	13C-1,2,3,4,7,8,9-HpCDF	8.30e4	0.43	NO	0.586	10.391	39.30	1.149	196.17	102	1.72	
34	13C-OCDF	1.52e5	0.91	NO	0.711	10.391	42.64	1.247	296.33	77.0	0.710	
35	37Cl-2,3,7,8-TCDD	5.69e4			1.11	10.391	27.08	1.025	81.312	106	0.105	
36	13C-1,2,3,4-TCDD	1.22e5	0.86	NO	1.00	10.391	26.42	1.000	192.47	100	0.395	
37	13C-1,2,3,4-TCDF	2.07e5	0.81	NO	1.00	10.391	25.19	1.000	192.47	100	0.320	
38	13C-1,2,3,4,6,9-HxCDF	1.39e5	0.51	NO	1.00	10.391	34.19	1.000	192.47	100	0.749	
39	Total Tetra-Dioxins				0.998	10.391			1.9815		0.118	2.43
40	Total Penta-Dioxins				0.961	10.391			2.4093		0.154	3.98
41	Total Hexa-Dioxins				1.04	10.391			10.327		0.323	10.3
42	Total Hepta-Dioxins				1.06	10.391			38.142		0.623	38.1
43	Total Tetra-Furans				0.989	10.391			5.1959		0.112	6.30
44	1st Func. Penta-Furans				1.02	10.391			2.9678		0.0357	2.97
45	Total Penta-Furans				1.02	10.391			5.5679		0.121	5.91
46	Total Hexa-Furans				1.13	10.391			8.4482		0.226	8.93
47	Total Hepta-Furans				1.11	10.391			9.9709		0.202	9.97

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-9.qld

Last Altered: Monday, April 19, 2021 16:41:02 Pacific Daylight Time  
Printed: Monday, April 19, 2021 16:42:18 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311,  
Task: ST210409D1\_1

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	23.97	7.689e3	9.248e3	5.364e2	6.131e2	0.87	NO	1.149e3	1.4313	1.4313	0.118
2	Total Tetra-Dioxins	24.22	2.988e3	3.822e3	1.999e2	2.420e2	0.83	NO	4.419e2	0.55026	0.55026	0.118
3	Total Tetra-Dioxins	25.51	1.509e3	1.739e3	9.574e1	9.838e1	0.97	YES	0.000e0	0.00000	0.21682	0.118
4	Total Tetra-Dioxins	25.70	1.994e3	1.671e3	9.375e1	1.031e2	0.91	YES	0.000e0	0.00000	0.22716	0.118

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.20	4.116e3	4.895e3	2.649e2	3.706e2	0.71	NO	6.356e2	1.0657	1.0657	0.154
2	Total Penta-Dioxins	29.62	1.396e3	1.693e3	6.225e1	6.855e1	0.91	YES	0.000e0	0.00000	0.18735	0.154
3	Total Penta-Dioxins	29.76	7.090e2	1.725e3	3.828e1	1.471e2	0.26	YES	0.000e0	0.00000	0.16607	0.154
4	Total Penta-Dioxins	30.08	7.106e3	5.080e3	3.621e2	2.729e2	1.33	YES	0.000e0	0.00000	0.74590	0.154
5	Total Penta-Dioxins	30.24	2.696e3	4.281e3	2.402e2	3.825e2	0.63	NO	6.228e2	1.0442	1.0442	0.154
6	Total Penta-Dioxins	30.53	6.410e2	1.450e3	4.779e1	1.076e2	0.44	YES	0.000e0	0.00000	0.20732	0.154
7	Total Penta-Dioxins	30.81	1.249e3	1.094e3	5.578e1	6.187e1	0.90	YES	0.000e0	0.00000	0.16908	0.154
8	Total Penta-Dioxins	31.05	3.457e3	6.550e2	1.497e2	3.562e1	4.20	YES	0.000e0	0.00000	0.097360	0.154
9	1,2,3,7,8-PeCDD	31.23	1.313e3	3.041e3	6.577e1	1.128e2	0.58	NO	1.786e2	0.29942	0.29942	0.154

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.91	1.890e4	1.338e4	1.058e3	8.488e2	1.25	NO	1.907e3	3.6223	3.6223	0.323
2	Total Hexa-Dioxins	33.56	6.727e3	5.535e3	4.384e2	3.505e2	1.25	NO	7.890e2	1.4988	1.4988	0.323
3	Total Hexa-Dioxins	33.90	1.362e4	1.127e4	1.126e3	9.069e2	1.24	NO	2.033e3	3.8623	3.8623	0.323
4	1,2,3,6,7,8-HxCDD	34.85	5.541e3	5.434e3	3.965e2	3.434e2	1.15	NO	7.400e2	1.3439	1.3439	0.304

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-9.qld

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Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311, Task: ST210409D1\_1

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.63	4.631e4	4.735e4	4.046e3	3.953e3	1.02	NO	7.999e3	18.510	18.510	0.623
2	1,2,3,4,6,7,8-HpCDD	38.59	4.358e4	4.003e4	4.333e3	4.151e3	1.04	NO	8.484e3	19.631	19.631	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	22.14	2.034e3	1.844e3	1.530e2	1.598e2	0.96	YES	0.000e0	0.00000	0.23926	0.112
2	Total Tetra-Furans	22.64	2.163e3	4.330e3	1.553e2	2.267e2	0.68	NO	3.820e2	0.32315	0.32315	0.112
3	Total Tetra-Furans	23.30	6.713e3	1.064e4	5.280e2	6.863e2	0.77	NO	1.214e3	1.0271	1.0271	0.112
4	Total Tetra-Furans	24.38	5.117e3	6.189e3	2.660e2	3.876e2	0.69	NO	6.536e2	0.55283	0.55283	0.112
5	Total Tetra-Furans	24.98	2.275e3	3.152e3	1.237e2	1.824e2	0.68	NO	3.062e2	0.25897	0.25897	0.112
6	Total Tetra-Furans	25.07	3.368e3	5.025e3	1.899e2	2.928e2	0.65	YES	0.000e0	0.00000	0.36918	0.112
7	Total Tetra-Furans	25.29	6.224e3	1.239e4	5.783e2	8.293e2	0.70	NO	1.408e3	1.1907	1.1907	0.112
8	Total Tetra-Furans	25.67	3.564e3	3.417e3	2.140e2	2.075e2	1.03	YES	0.000e0	0.00000	0.31071	0.112
9	Total Tetra-Furans	25.94	3.136e3	3.299e3	1.474e2	1.896e2	0.78	NO	3.370e2	0.28503	0.28503	0.112
10	Total Tetra-Furans	26.26	1.905e3	2.657e3	9.363e1	1.671e2	0.56	YES	0.000e0	0.00000	0.18205	0.112
11	Total Tetra-Furans	26.39	1.693e3	2.301e3	1.091e2	1.588e2	0.69	NO	2.679e2	0.22663	0.22663	0.112
12	2,3,7,8-TCDF	26.49	4.770e3	7.730e3	2.808e2	3.510e2	0.80	NO	6.317e2	0.53436	0.53436	0.112
13	Total Tetra-Furans	26.75	5.616e3	6.238e3	4.288e2	5.135e2	0.84	NO	9.424e2	0.79713	0.79713	0.112

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	27.78	2.991e4	1.840e4	1.743e3	1.061e3	1.64	NO	2.804e3	2.9678	2.9678	0.0357

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-9.qld

Last Altered: Monday, April 19, 2021 16:41:02 Pacific Daylight Time  
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Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311, Task: ST210409D1\_1

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.08	4.888e3	4.053e3	4.093e2	2.491e2	1.64	NO	6.584e2	0.69699	0.69699	0.121
2	Total Penta-Furans	29.22	1.688e4	1.075e4	1.243e3	7.972e2	1.56	NO	2.041e3	2.1600	2.1600	0.121
3	Total Penta-Furans	29.76	5.655e3	3.671e3	4.231e2	2.838e2	1.49	NO	7.069e2	0.74829	0.74829	0.121
4	1,2,3,7,8-PeCDF	30.10	4.914e3	3.312e3	2.694e2	1.514e2	1.78	NO	4.208e2	0.43280	0.43280	0.125
5	Total Penta-Furans	30.33	7.949e3	4.959e3	3.876e2	2.620e2	1.48	NO	6.496e2	0.68762	0.68762	0.121
6	Total Penta-Furans	30.89	5.091e3	3.601e3	1.979e2	1.734e2	1.14	YES	0.000e0	0.00000	0.34470	0.121
7	2,3,4,7,8-PeCDF	31.07	9.717e3	6.493e3	5.429e2	3.441e2	1.58	NO	8.871e2	0.84220	0.84220	0.102

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.34	8.688e3	7.123e3	4.364e2	3.811e2	1.15	NO	8.175e2	0.97602	0.97602	0.226
2	Total Hexa-Furans	32.52	2.635e4	2.194e4	1.534e3	1.288e3	1.19	NO	2.823e3	3.3700	3.3700	0.226
3	Total Hexa-Furans	33.19	1.760e4	1.667e4	1.061e3	9.134e2	1.16	NO	1.975e3	2.3573	2.3573	0.226
4	Total Hexa-Furans	33.58	3.256e3	3.660e3	1.459e2	1.658e2	0.88	YES	0.000e0	0.00000	0.31455	0.226
5	1,2,3,4,7,8-HxCDF	33.71	6.144e3	4.800e3	3.351e2	2.579e2	1.30	NO	5.929e2	0.69485	0.69485	0.203
6	1,2,3,6,7,8-HxCDF	33.87	3.666e3	3.480e3	2.171e2	2.003e2	1.08	NO	4.174e2	0.47641	0.47641	0.212
7	2,3,4,6,7,8-HxCDF	34.61	4.397e3	3.631e3	2.388e2	2.204e2	1.08	NO	4.592e2	0.57365	0.57365	0.243
8	1,2,3,7,8,9-HxCDF	35.76	2.276e3	1.254e3	1.080e2	5.491e1	1.97	YES	1.629e2	0.00000	0.17090	0.282

**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	37.30	1.743e4	1.831e4	1.351e3	1.398e3	0.97	NO	2.749e3	4.2397	4.2397	0.156
2	Total Hepta-Furans	37.91	2.145e4	2.003e4	1.651e3	1.584e3	1.04	NO	3.235e3	5.7311	5.7311	0.202

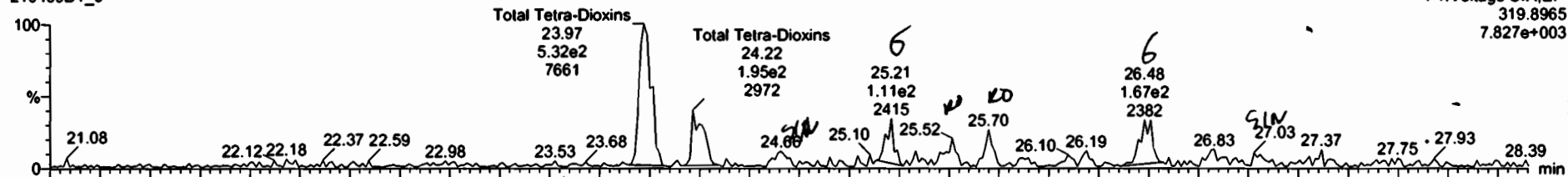
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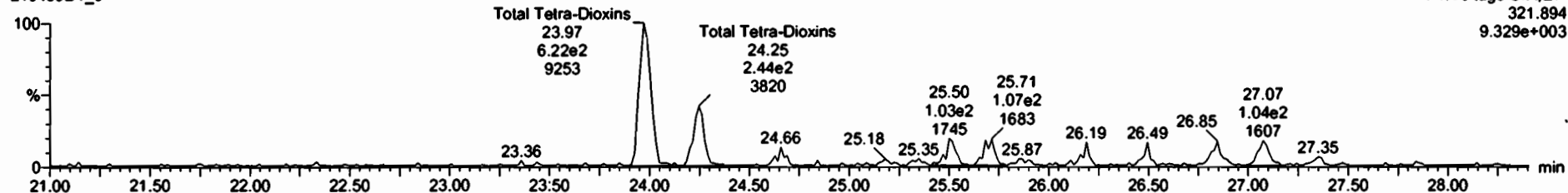
Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311

2,3,7,8-TCDD

210409D1\_9



210409D1\_9

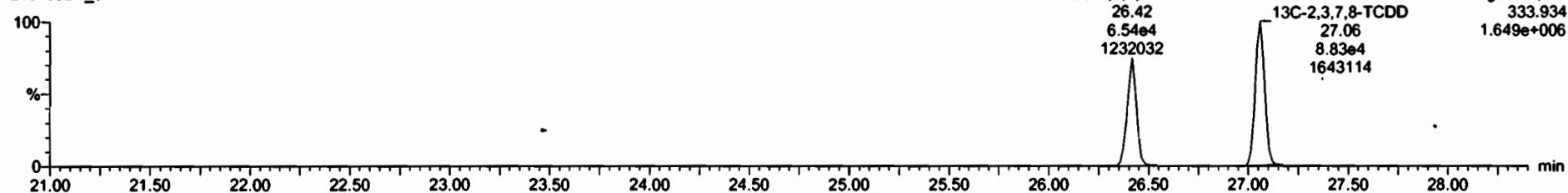


13C-2,3,7,8-TCDD

210409D1\_9

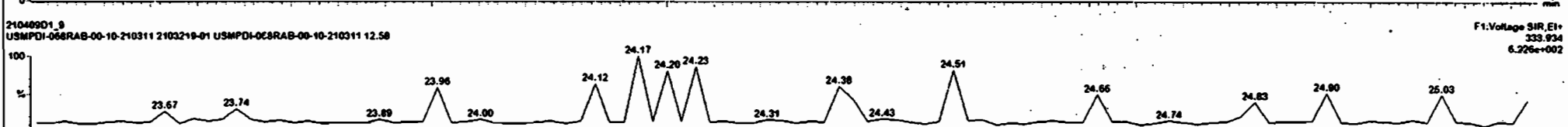
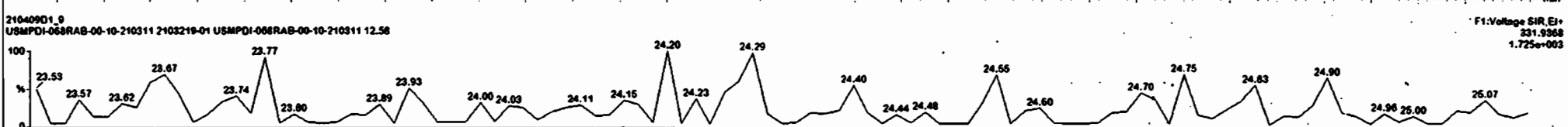
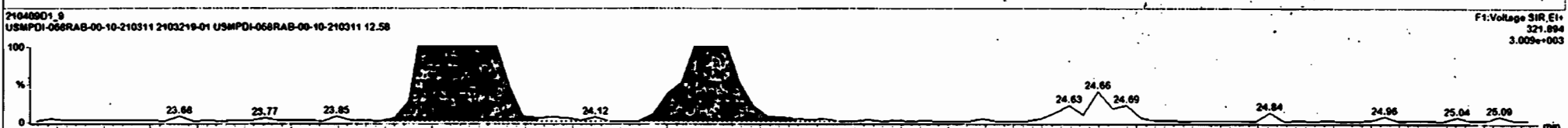
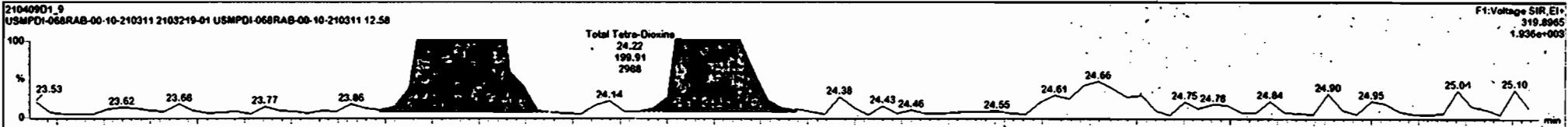


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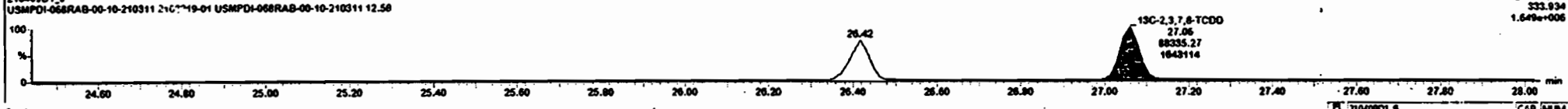
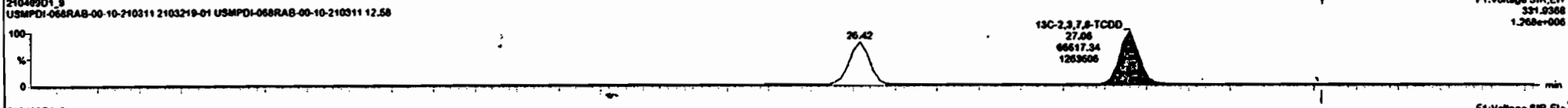
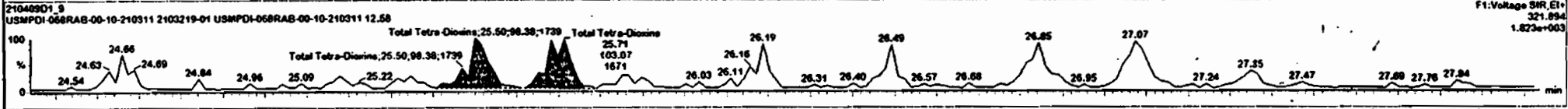
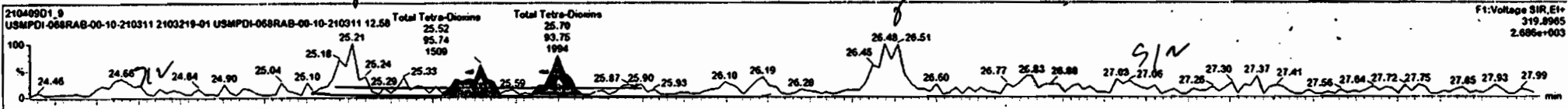


Name	Resp	RA	n/y	RRF	wtVet	RT	RRT	Conc	%Rec	DL	EMPC
25	13C-2,3,7,8-TCDF	2.30e5	0.77	NO	1.03	10.391	26.42	1.022	208	106	0.312
26	13C-1,2,3,7,8-PeCDF	1.83e5	1.53	NO	0.81	10.391	30.00	1.129	211	110	0.620
27	13C-2,3,4,7,8-PeCDF	1.73e5	1.83	NO	0.75	10.391	31.05	1.175	214	111	0.667
28	13C-1,2,3,4,7,8-HxCDF	1.44e5	0.49	NO	0.57	10.391	33.70	0.986	206	107	0.774
29	12C-1,2,3,6,7,8-HxCDF	1.62e5	0.48	NO	1.08	10.391	35.85	0.990	207	107	0.690
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	0.50	NO	0.96	10.391	34.58	1.011	197	102	0.780
31	13C-1,2,3,6,8,9-HxCDF	1.28e5	0.52	NO	0.87	10.391	35.71	1.044	205	107	0.362
32	13C-1,2,3,4,6,7,8-HxCDF	1.12e5	0.41	NO	0.79	10.391	37.30	1.091	195	101	1.27
33	13C-1,2,3,4,7,8,9-HxCDF	8.20e4	0.43	NO	0.59	10.391	36.30	1.148	196	102	1.72
34	13C-OCDF	1.52e5	0.91	NO	0.71	10.391	42.64	1.247	298	77.0	0.710
35	2,3,7,8-TCDF	5.69e4			1.11	10.391	27.08	1.025	81.3	106	0.105
36	13C-1,2,3,4-TCDF	1.22e5	0.86	NO	1.50	16.391	29.42	1.020	192	100	0.395
37	13C-1,2,3,4-TCDF	2.07e5	0.81	NO	1.00	16.391	25.19	1.020	192	100	0.323
38	13C-1,2,3,4,6,8-HxCDF	1.39e5	0.51	NO	1.00	10.391	34.19	1.020	192	100	0.748



Name	Resp	RA	nly	RPF	mSVal	RT	RRT	Conc	%Rec	DL	EMPC
25	13C-2,3,7,8-TCDF	2.30e5	0.77	NO	1.03	10.391	26.42	1.022	208	108	0.312
26	13C-1,2,3,7,8-PeCDF	1.82e5	1.83	NO	0.81	10.391	30.00	1.170	211	110	0.520
27	13C-2,3,4,7,8-PeCDF	1.73e5	1.83	NO	0.75	10.391	31.05	1.175	214	111	0.647
28	13C-1,2,3,4,7,8-HxCDF	1.44e5	0.49	NO	0.97	10.391	33.70	0.986	206	107	0.774
29	13C-1,2,3,6,7,8-HxCDF	1.62e5	0.48	NO	1.08	10.391	33.85	0.990	207	107	0.690
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	0.50	NO	0.98	10.391	34.58	1.011	197	102	0.780
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	0.53	NO	0.87	10.391	35.71	1.044	200	107	0.862
32	13C-1,2,3,4,6,7,8,9-HxCDF	1.12e5	0.41	NO	0.79	10.391	37.30	1.091	195	101	1.27
33	13C-1,2,3,4,7,8,9-HxCDF	8.30e4	0.43	NO	0.59	10.391	39.30	1.149	190	102	1.72
34	13C-OCDF	1.13e5	0.91	NO	0.71	10.391	42.64	1.247	290	77.0	0.710
35	37Cl-2,3,7,8-TCDD	5.69e4			1.11	10.391	77.00	1.025	81.3	106	0.105
36	13C-1,2,3,4-TCDD	1.22e5	0.86	NO	1.00	10.391	78.42	1.020	192	100	0.356
37	13C-1,2,3,4-TCDF	2.07e5	0.81	NO	1.00	10.391	25.19	1.020	192	100	0.320
38	13C-1,2,3,4,9-HxCDF	1.39e5	0.51	NO	1.00	10.391	34.19	1.020	192	100	0.749

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.	
1	Total Tetra-Dioxins	24.22	1.959e2	2.420e2	0.83	NO	0.55026	0.55026
2	Total Tetra-Dioxins	25.97	5.361e2	8.131e2	0.87	NO	1.4313	1.4313
3	Total Tetra-Dioxins	25.70	5.375e1	1.031e2	0.91	YES	0.22716	0.00000
4	Total Tetra-Dioxins	25.52	9.574e1	9.838e1	0.87	YES	0.21682	0.00000



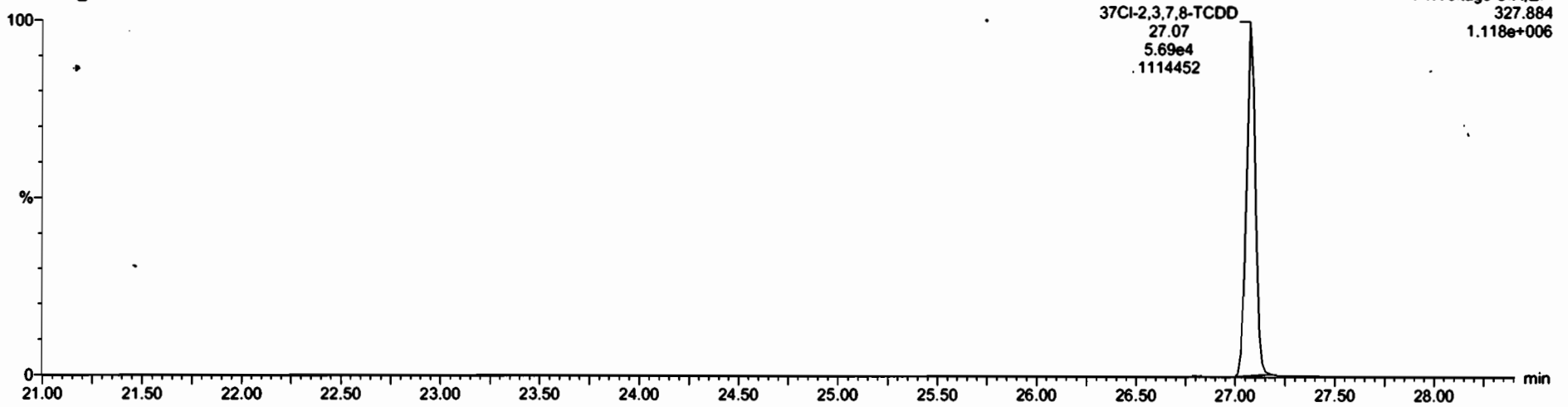
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311

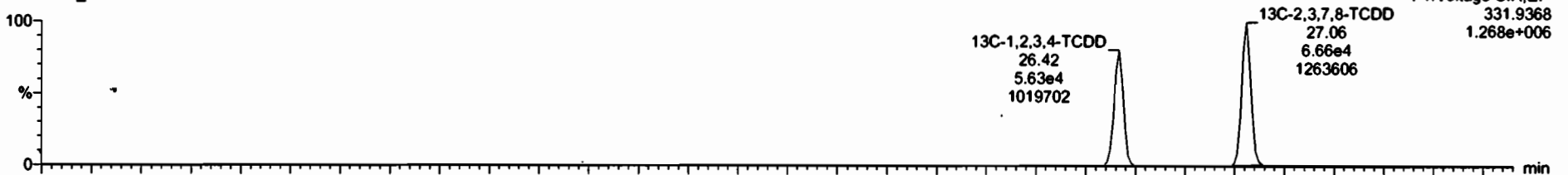
**37Cl-2,3,7,8-TCDD**

210409D1\_9

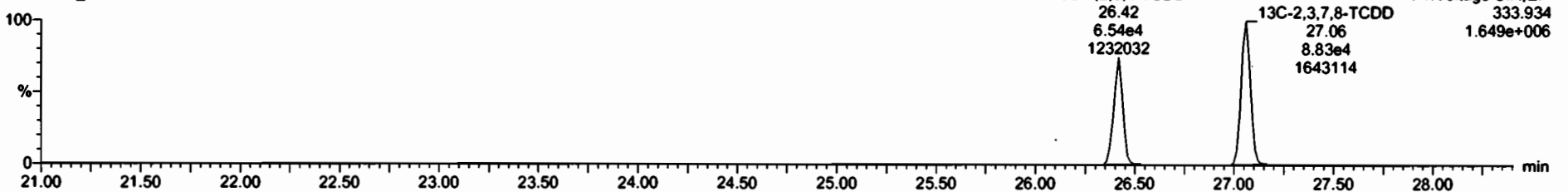


**13C-1,2,3,4-TCDD**

210409D1\_9



210409D1\_9



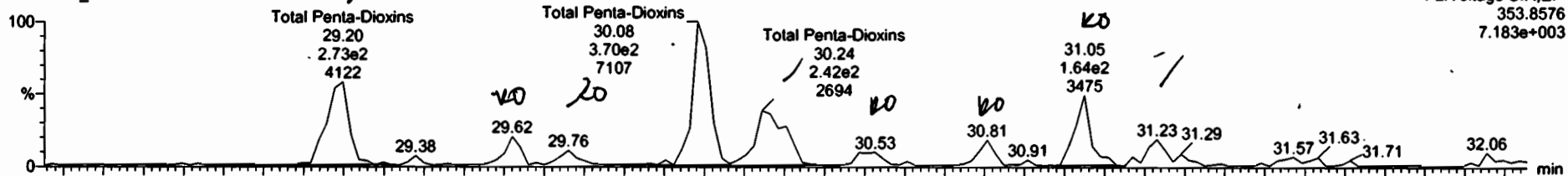
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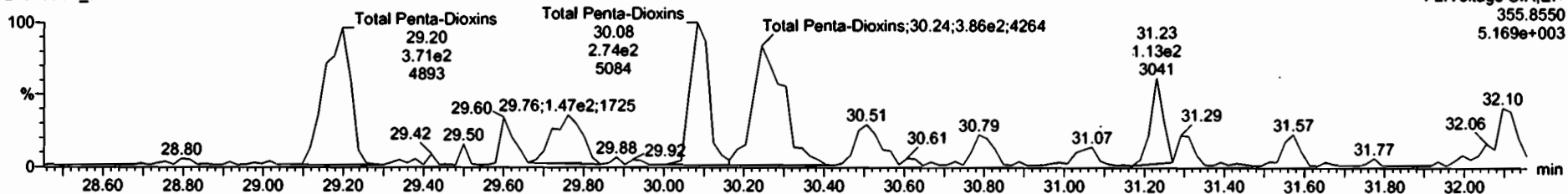
1,2,3,7,8-PeCDD

210409D1\_9



F2:Voltage SIR,EI+  
353.8576  
7.183e+003

210409D1\_9



F2:Voltage SIR,EI+  
355.8550  
5.169e+003

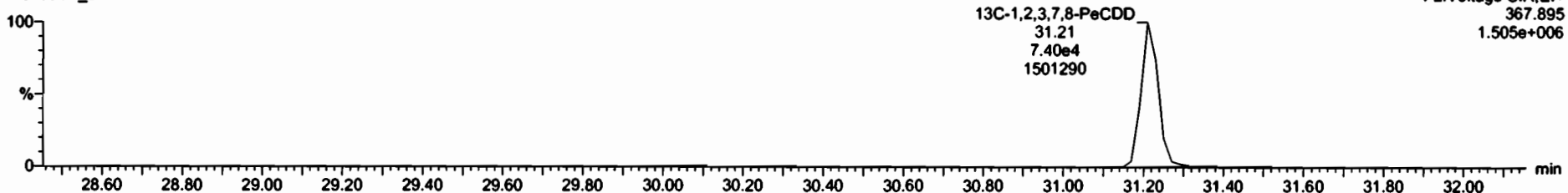
13C-1,2,3,7,8-PeCDD

210409D1\_9



F2:Voltage SIR,EI+  
365.8978  
8.891e+005

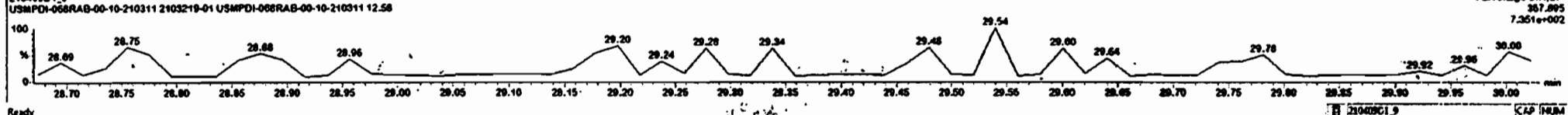
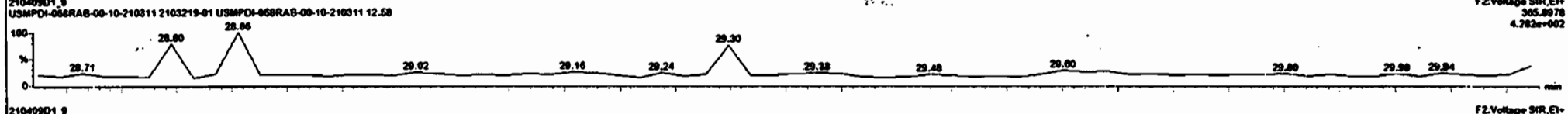
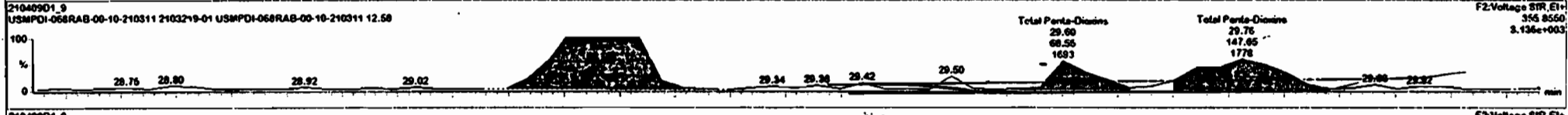
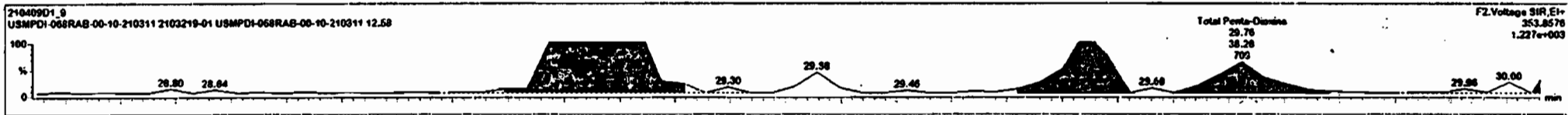
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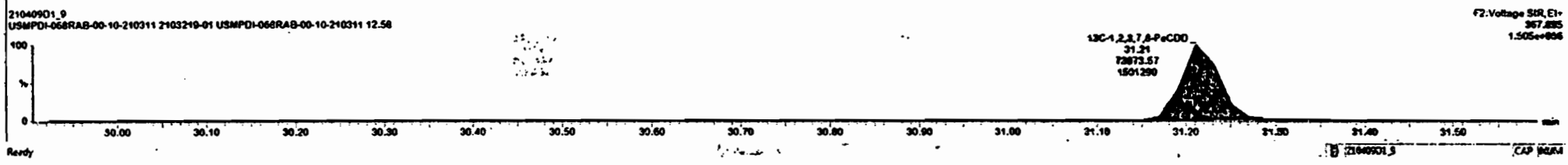
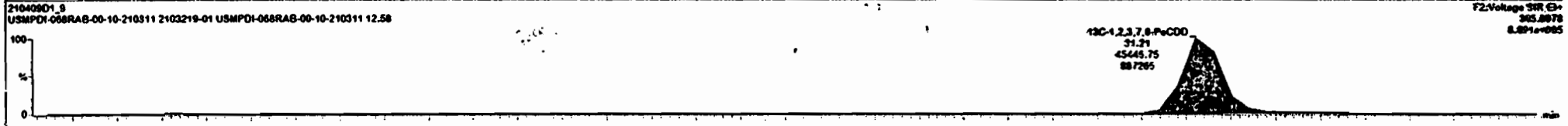
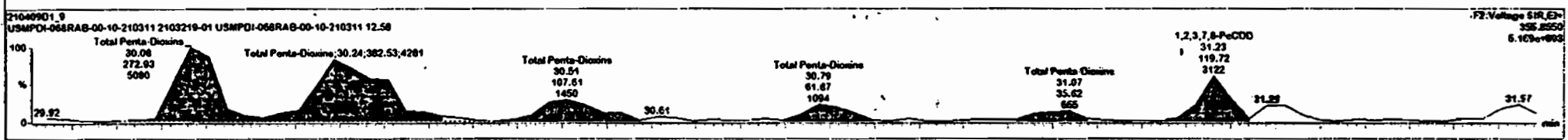
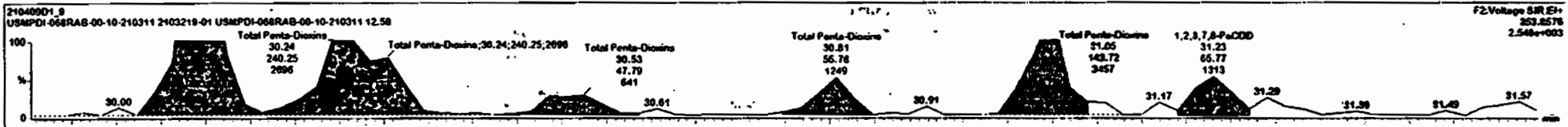
F2:Voltage SIR,EI+  
367.895  
1.505e+006

Name	Resp	RA	aly	RRF	wfAvr	RT	RRT	Conc	%Rec	DL	ESPC
40 Total Penta-Dioxins				0.99	10.391			2.11	0.154	3.92	
41 Total Hexa-Dioxins				1.04	10.391			10.4	0.322	11.6	
42 Total Hepta-Dioxins				1.08	10.391			36.1	0.623	32.1	
43 Total Tetra-Furans				0.99	10.391			4.68	0.112	6.79	
44 1st Func. Penta-Furans				1.02	10.391			2.97	0.2527	2.67	
45 Total Penta-Furans				1.02	10.391			5.56	0.121	5.95	
46 Total Hexa-Furans				1.12	10.391			7.96	0.226	8.96	
47 Total Hepta-Furans				1.11	10.391			10.1	0.202	10.1	
49 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											

Name	RT	Int Resp	Int Resp	RA	aly	ESPC	Conc
1 Total Penta-Dioxins	30.24	2.421e2	3.625e2	0.63	NO	1.0442	1.0442
2 Total Penta-Dioxins	30.08	3.621e2	2.729e2	1.33	YES	0.71590	0.00000
3 Total Penta-Dioxins	29.20	2.649e2	3.706e2	0.71	NO	1.0657	1.0657
4 Total Penta-Dioxins	31.05	1.642e2	3.684e1	4.23	YES	0.10614	0.00000
5 Total Penta-Dioxins	29.76	3.823e1	1.477e2	0.26	YES	0.10607	0.00000



#	Name	Resp	IS AREA	RA	in/y	RRF	wt/vol	RT	Pred RT	RRT	Pred PRT	Check RRT	Conc	%Res	DL	EMPC
28	28 13C-1,2,3,4,7,8-HxCDF	1.44e5	1.39e5	0.49	NO	0.97	10.3911	33.70	33.59	3.968	0.985	NO	206.5	107	0.774	
29	29 13C-1,2,3,6,7,8-HxCDF	1.82e5	1.39e5	0.48	NO	1.02	10.3911	33.85	33.86	0.980	0.990	NO	206.7	137	0.990	
33	30 13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.98	10.3911	34.58	34.57	1.031	1.011	NO	197.0	172	0.790	
31	31 13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.52	NO	0.87	10.3911	35.71	35.68	1.044	1.044	NO	205.4	137	0.862	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.43	NO	0.79	10.3911	37.30	37.24	1.001	1.089	NO	195.4	101	1.27	
23	32 13C-1,2,3,4,7,8,9-HpCDF	8.30e4	1.39e5	0.43	NO	0.59	10.3911	39.30	39.25	1.149	1.148	NO	196.2	102	1.72	
34	34 13C-OCDF	1.52e5	1.39e5	0.61	NO	0.71	10.3911	42.54	42.44	1.247	1.241	NO	296.3	77.0	0.110	
35	35 37Cl-2,3,7,8-TCDD	5.99e4	1.22e5			1.11	10.3911	27.08	27.57	0.625	1.025	NO	81.31	106	0.105	
36	36 13C-1,2,3,4-TCDD	1.22e5	1.22e5	0.86	NO	1.00	10.3911	26.42	26.42	1.000	1.000	NO	192.5	100	0.295	
37	37 13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3911	25.19	25.21	1.000	1.000	NO	192.5	100	0.370	
38	38 13C-1,2,3,4,6,8-HxCDF	1.30e5	1.39e5	0.51	NO	1.00	10.3911	34.15	34.10	1.000	1.000	NO	192.5	100	0.749	
39	39 Total Tetra-Dioxins		1.54e5					24.62		0.000		NO			0.110	2.43
40	40 Total Penta-Dioxins		1.19e5			0.90	10.3911	29.90		0.000		NO	3.421		1.6154	3.99
41	41 Total Hexa-Dioxins		0.00e0			1.04	10.3911					NO	10.33		0.723	10.81

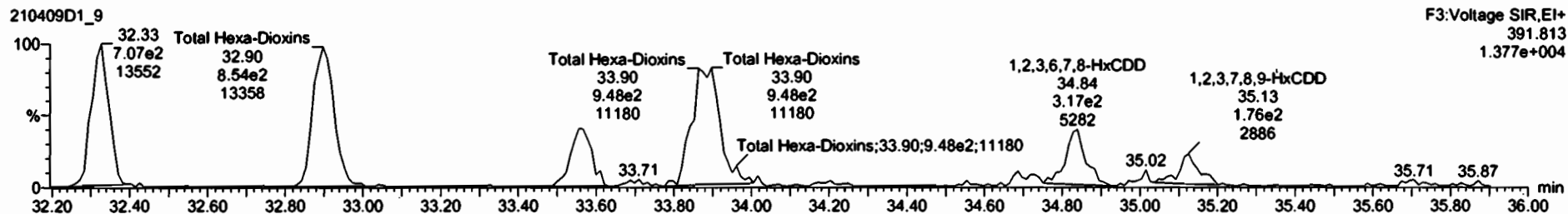
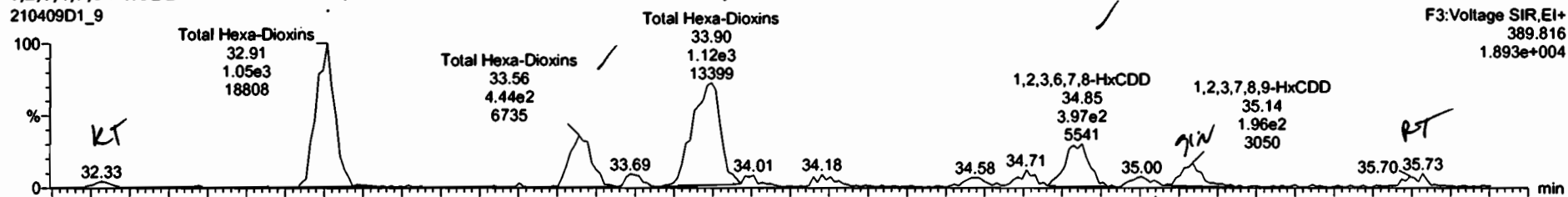


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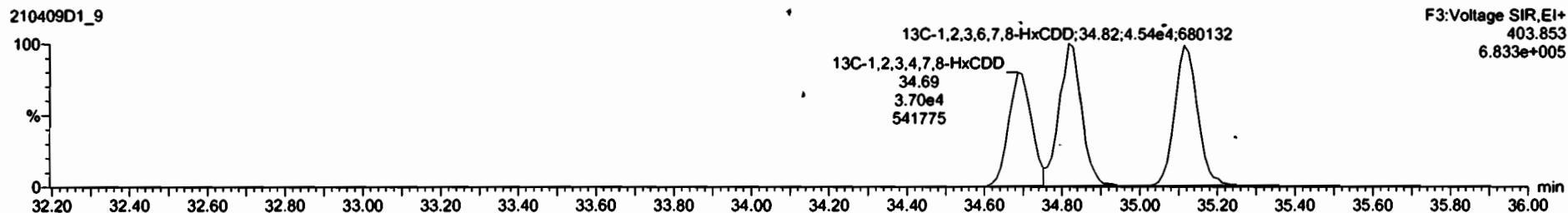
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Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311

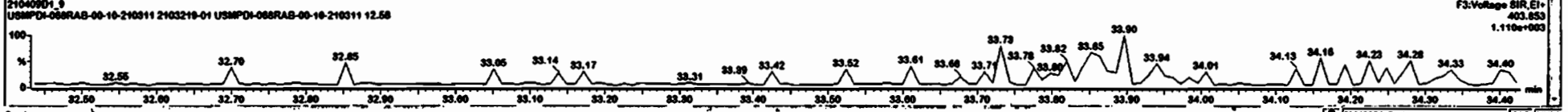
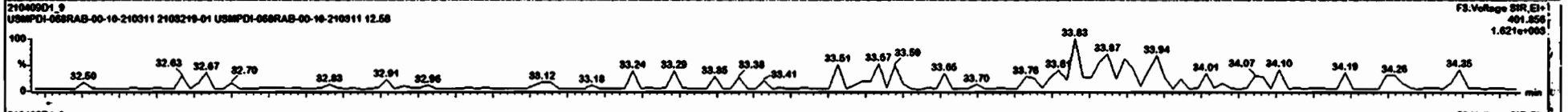
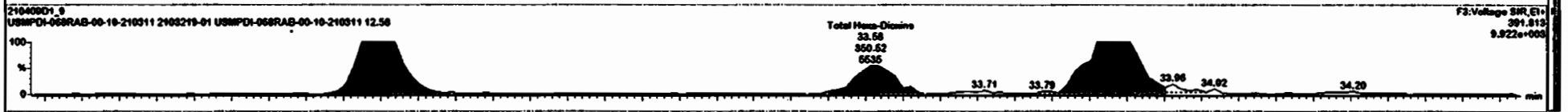
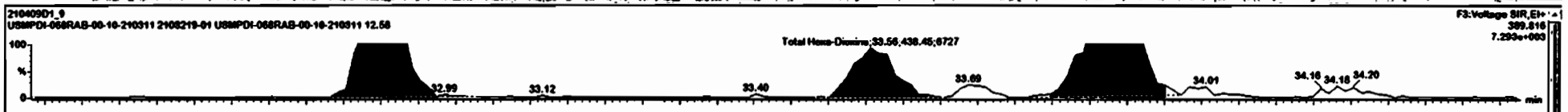
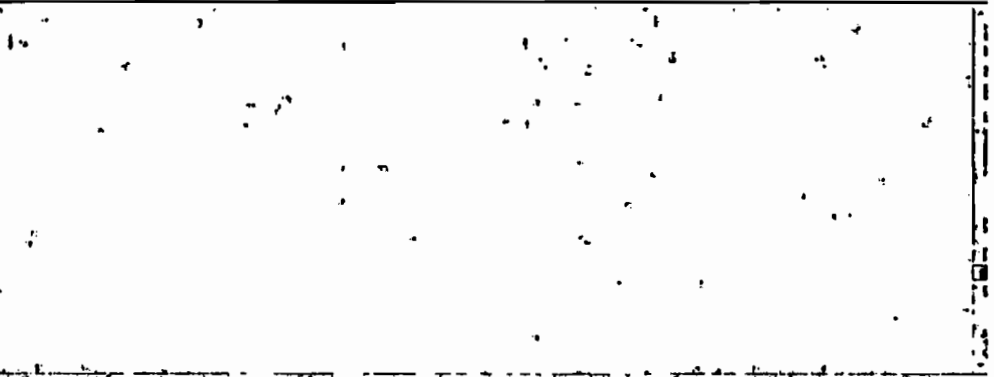
1,2,3,4,7,8-HxCDD



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

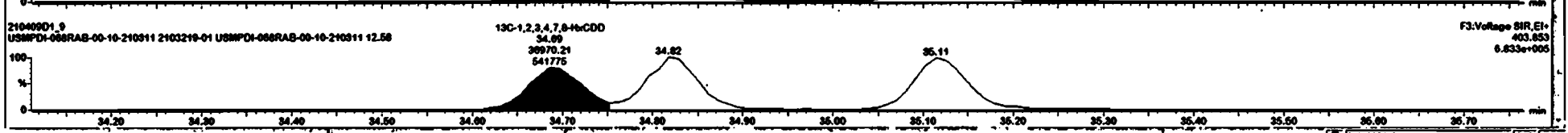
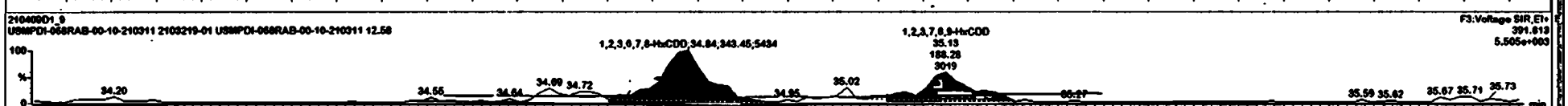
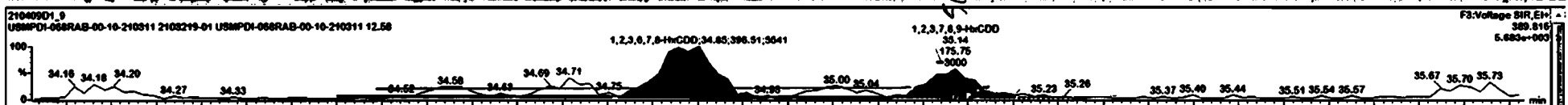


#	Name	Resp	S AREA	RA	Rly	RWF	wtVal	RT	Prod RT	RRT	Prod RRT	Check RRT	CONF	%RAC	DL	EMPC
30	13C-1,2,3,4,6,7,8-HrCDF	1.37e5	1.38e5	0.50	NO	0.06	10.3011	34.50	34.57	1.011	1.011	NO	197.0	102	0.780	
31	13C-1,2,3,7,8,9-HrCDF	1.29e5	1.30e5	0.53	NO	0.07	10.3011	35.71	35.68	1.044	1.044	NO	295.4	107	0.862	
32	13C-1,2,3,4,6,7,8-HrCDF	1.12e5	1.30e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.099	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8-HrCDF	8.30e4	1.30e5	0.43	NO	0.50	10.3011	38.38	38.25	1.148	1.148	NO	186.2	102	1.72	
34	13C-OCDF	1.52e5	1.30e5	0.91	NO	0.71	10.3011	42.64	42.44	1.247	1.241	NO	298.3	77.0	0.718	
35	37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3011	27.88	27.87	1.025	1.025	NO	81.31	100	0.105	
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.88	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	182.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	182.5	100	0.320	
38	13C-1,2,3,4,6,9-HrCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxins	1.55e5				1.00	10.3011	24.62		0.000	0.000	NO	1.002		0.118	2.43
40	Total Penta-Dioxins	1.10e5				0.88	10.3011	29.98		0.000	0.000	NO	2.409		0.154	3.08
41	Total Hexa-Dioxins	0.00e0				1.04	10.3011	33.83		0.000	0.000	NO	10.33		0.323	18.9
42	Total Hepta-Dioxins	7.85e4				1.06	10.3011	37.84		0.000	0.000	NO	38.14		0.823	38.1
43	Total Tetra-Furans	2.30e5				0.99	10.3011	23.81		0.000	0.000	NO	6.244		0.112	7.35
44	1st Func. Penta-Furans	0.00e0				1.02	10.3011	27.73		0.000	0.000	NO	2.988		0.0357	2.87
45	Total Penta-Furans	0.00e0				1.02	10.3011	29.27		0.000	0.000	NO	5.588		0.121	5.91
46	Total Hexa-Furans	0.00e0				1.13	10.3011	33.50		0.000	0.000	NO	7.873		0.228	8.88
47	Total Hepta-Furans	0.00e0				1.11	10.3011	37.83		0.000	0.000	NO	18.07		0.202	18.1
48	PFK1															
49	PFK2															
50	PFK3															





#	Name	Resp	IS AREA	RA	dy	RF	wval	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.85	10.3011	34.58	34.57	1.011	1.011	NO	197.0	102	0.780	
31	13C-1,2,3,7,8-HxCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.882	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.30	37.29	1.091	1.090	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8-HpCDF	8.39e4	1.39e5	0.43	NO	0.59	10.3011	38.30	38.25	1.149	1.148	NO	196.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.64	42.44	1.247	1.241	NO	298.3	77.0	0.710	
35	37C-2,3,7,8-TCDF	5.08e4	1.22e5			1.11	10.3011	27.08	27.07	1.825	1.825	NO	81.31	100	0.185	
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.88	NO	1.00	10.3011	28.42	28.42	1.880	1.880	NO	182.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.87e5	2.87e5	0.81	NO	1.00	10.3011	25.10	25.21	1.880	1.880	NO	182.5	100	0.320	
38	13C-1,2,3,4,6,8-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.79	34.18	1.800	1.800	NO	182.5	100	0.749	
39	Total Tetra-Dioxins		1.55e5			1.00	10.3011		24.82		0.900	NO	1.982		0.118	2.43
40	Total Penta-Dioxins		1.19e5			0.85	10.3011		29.98		0.900	NO	2.408		0.154	3.98
41	Total Hexa-Dioxins		0.89e0			1.04	10.3011		33.83		0.900	NO	19.33		0.323	18.9
42	Total Hepta-Dioxins		7.85e4			1.00	10.3011		37.84		0.900	NO	38.14		0.623	38.1
43	Total Tetra-Furans		2.30e5			0.99	10.3011		23.81		0.900	NO	6.244		0.112	7.35
44	Total Penta-Furans		0.00e0			1.02	10.3011		27.73		0.900	NO	2.958		0.0357	2.97
45	Total Hexa-Furans		0.00e0			1.02	10.3011		29.27		0.900	NO	5.588		0.121	5.91
46	Total Hepta-Furans		0.00e0			1.13	10.3011		33.56		0.900	NO	7.875		0.226	8.88
47	Total Octa-Furans		0.00e0			1.11	10.3011		37.83		0.900	NO	10.07		0.282	18.1
48	PFK1															
49	PFK2															
50	SAT PFK															



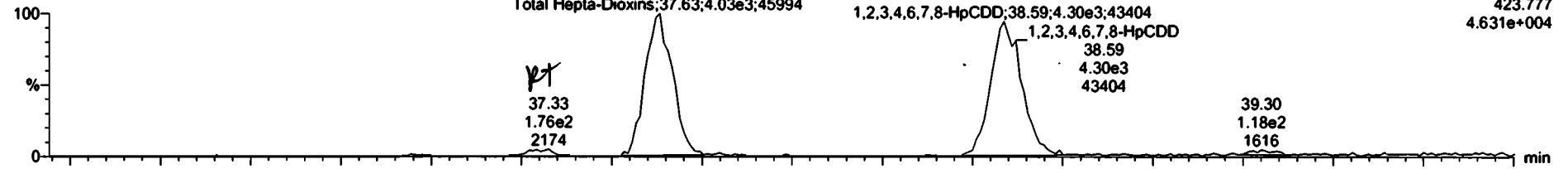
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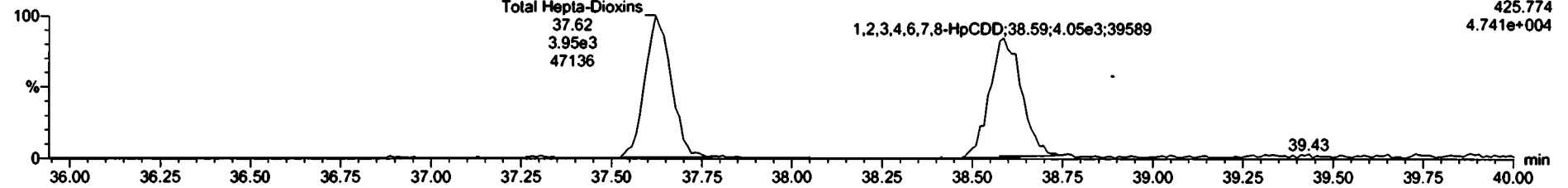
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1,2,3,4,6,7,8-HpCDD

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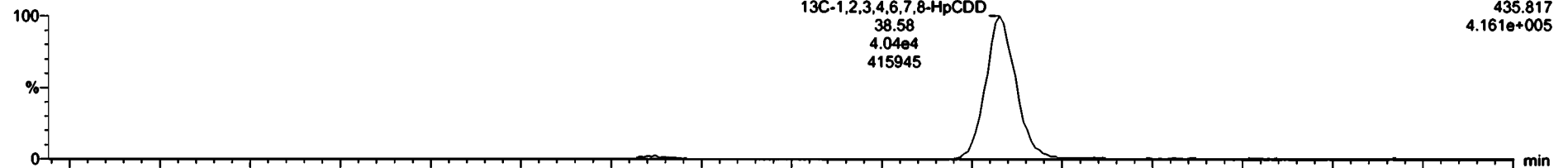


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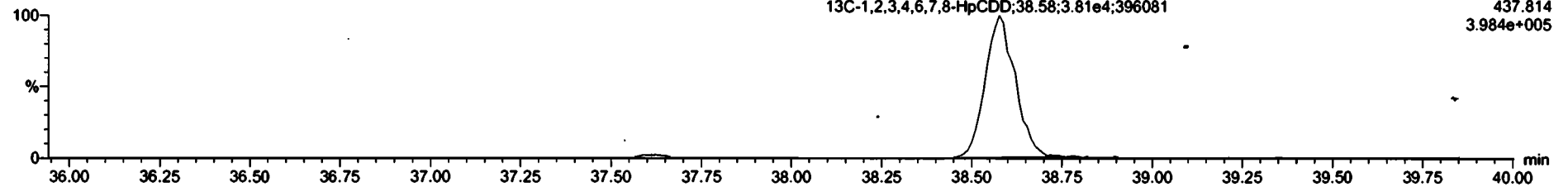


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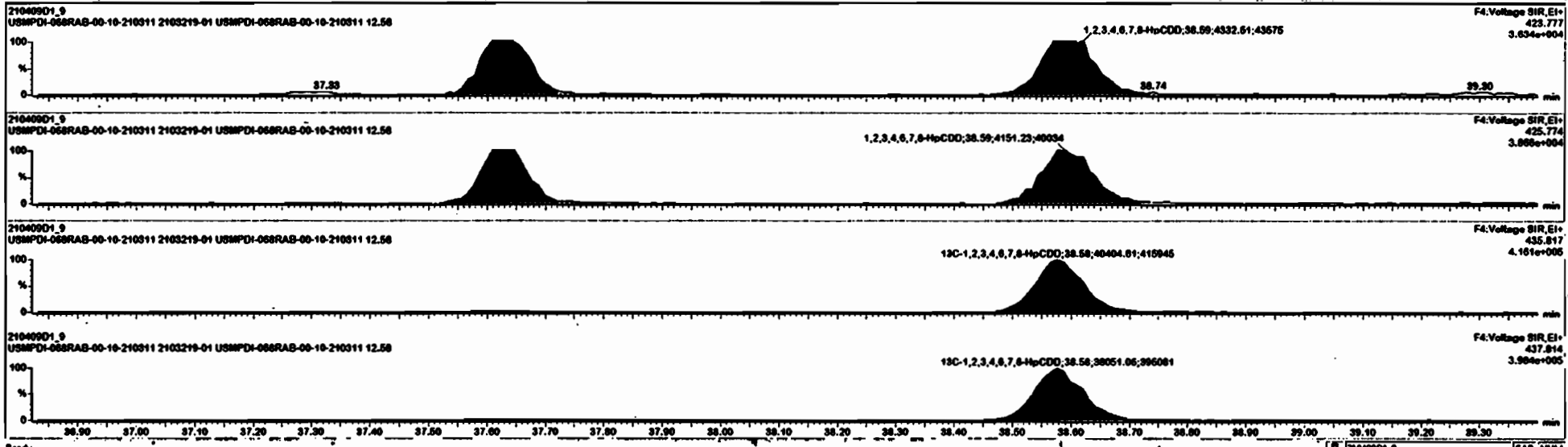
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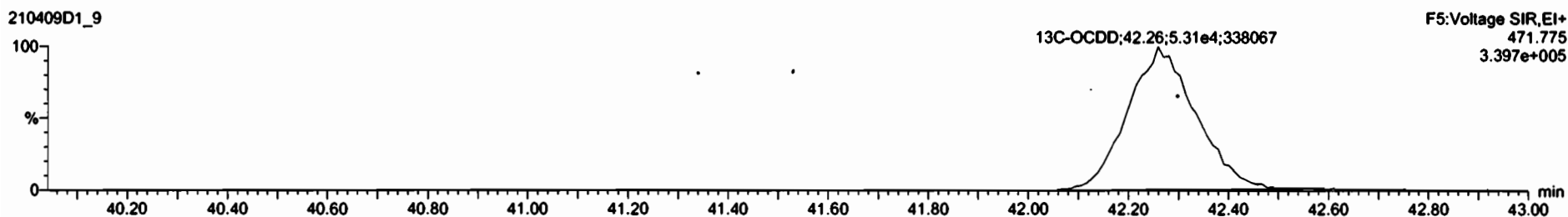
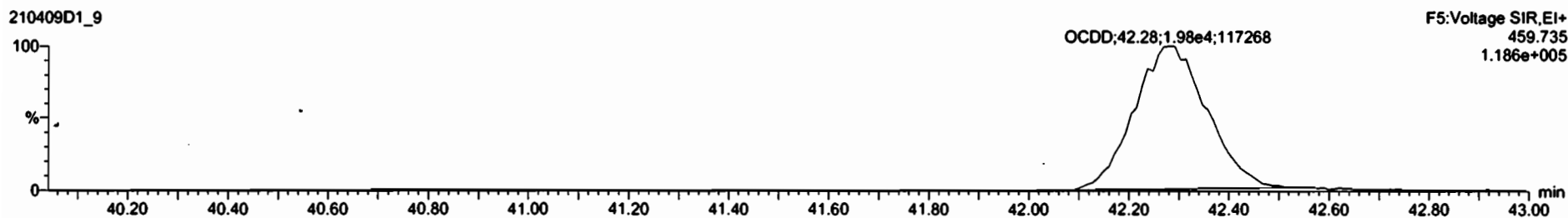
#	Name	Retn	ISAREA	RA	dy	Wb	wrtal	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HpCDF	1.37e5	1.39e5	0.50	NO	0.95	10.3011	34.58	34.57	1.011	1.011	NO	197.8	102	0.790	
31	13C-1,2,3,7,8,9-HpCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3011	35.71	35.69	1.044	1.044	NO	205.4	107	0.882	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.091	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8,9-HpCDF	8.36e4	1.39e5	0.43	NO	0.59	10.3011	39.30	39.25	1.149	1.149	NO	190.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.64	42.44	1.247	1.241	NO	298.3	77.9	0.710	
35	37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3011	27.08	27.07	1.025	1.025	NO	81.31	196	0.105	
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.86	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.320	
38	13C-1,2,3,4,6,9-HpCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.740	
39	Total Tetra-Dioxins	1.55e5				1.00	10.3011	24.82		0.900	NO	1.992	0.118	2.43		
40	Total Penta-Dioxins	1.19e5				0.98	10.3011	29.98		0.900	NO	2.499	0.154	3.98		
41	Total Hexa-Dioxins	0.80e0				1.04	10.3011	33.63		0.900	NO	10.33	0.323	10.9		
42	Total Hepta-Dioxins	7.85e4				1.08	10.3011	37.64		0.900	NO	38.14	0.623	38.1		
43	Total Tetra-Furans	2.30e5				0.99	10.3011	23.61		0.900	NO	6.244	0.112	7.35		
44	Total Penta-Furans	0.89e0				1.02	10.3011	27.73		0.900	NO	2.988	0.0357	2.97		
45	Total Hexa-Furans	0.89e0				1.02	10.3011	29.27		0.900	NO	5.588	0.121	5.91		
46	Total Hepta-Furans	0.89e0				1.13	10.3011	33.96		0.900	NO	7.875	0.226	8.88		
47	Total Octa-Furans	0.89e0				1.11	10.3011	37.83		0.900	NO	10.07	0.282	10.1		
48	PFK1															
49	PFK2															
50	Sol PFK3															



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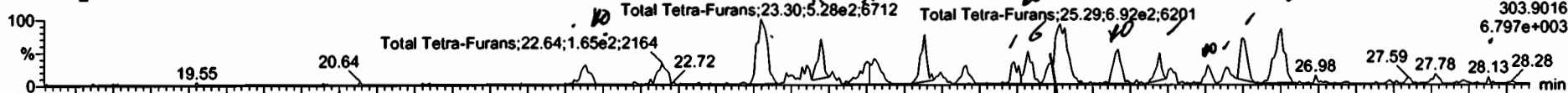
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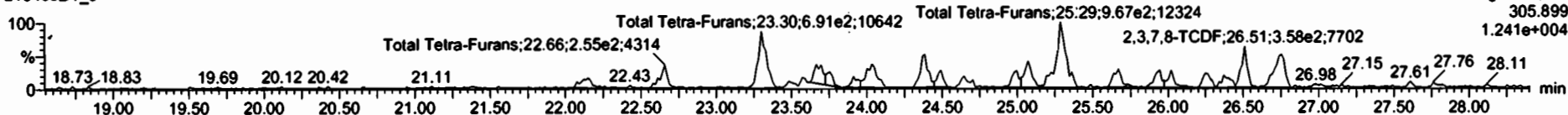
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**2,3,7,8-TCDF**

210409D1\_9

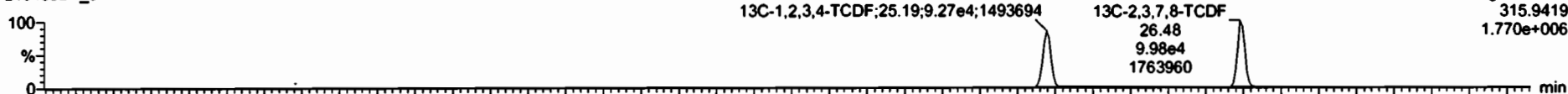


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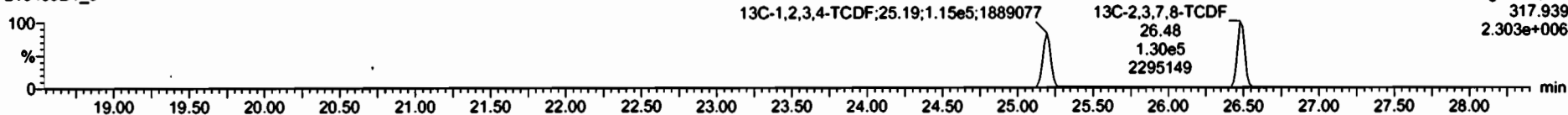


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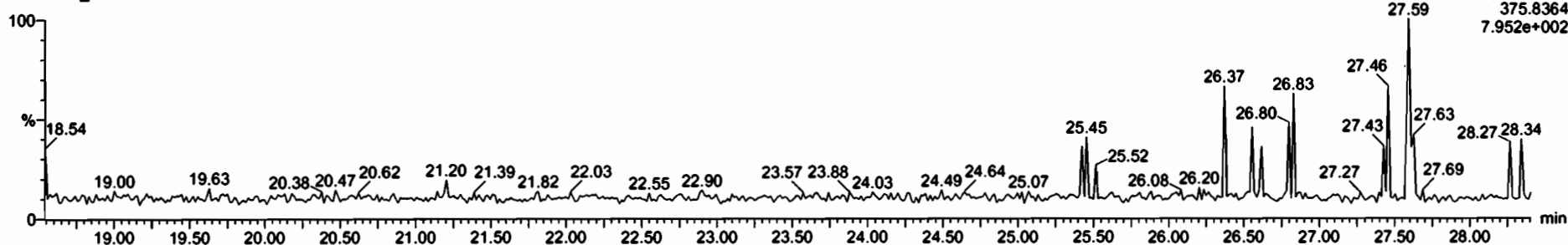


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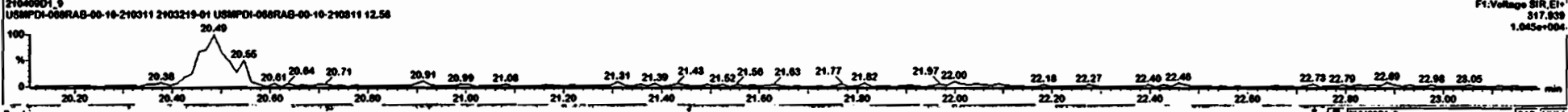
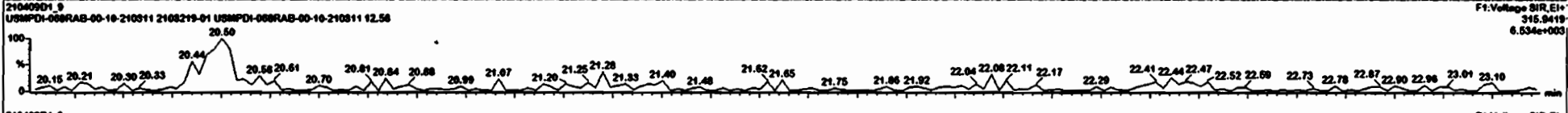
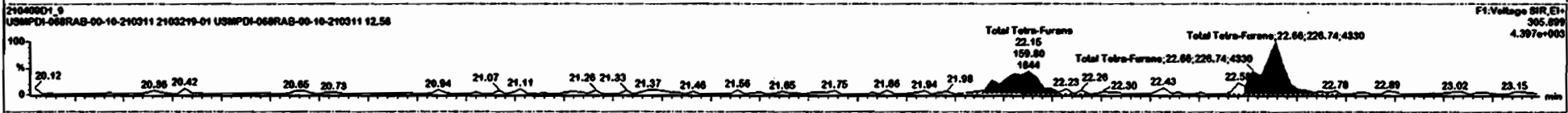
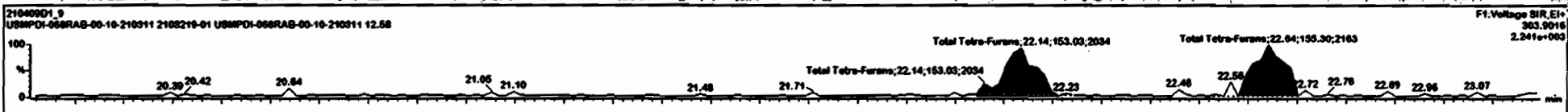


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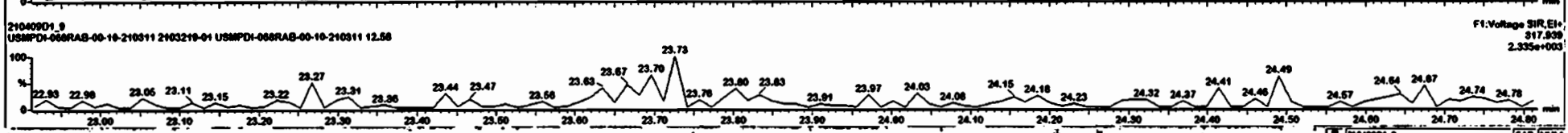
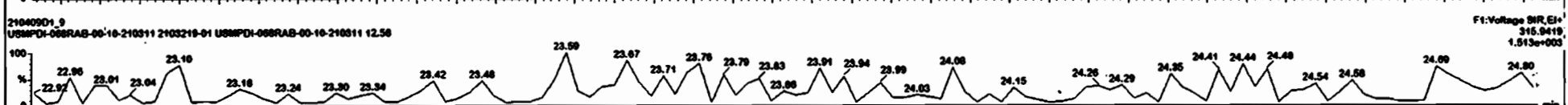
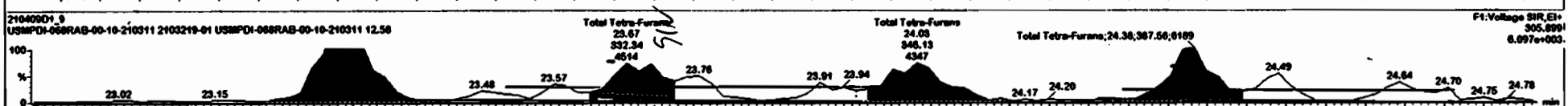
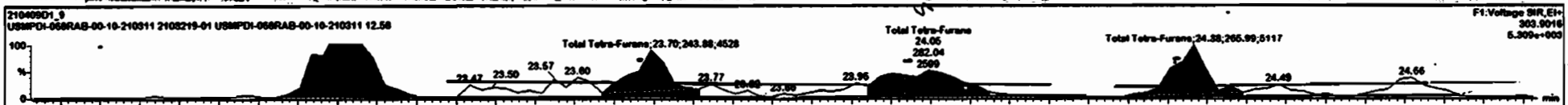
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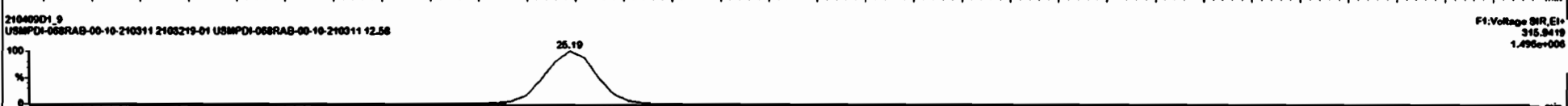
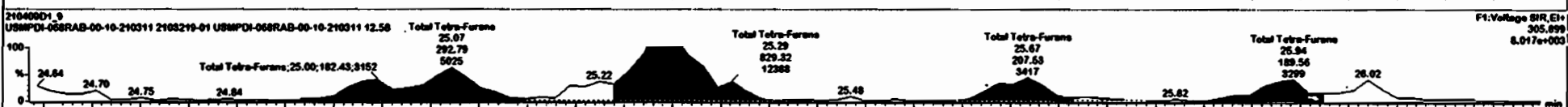
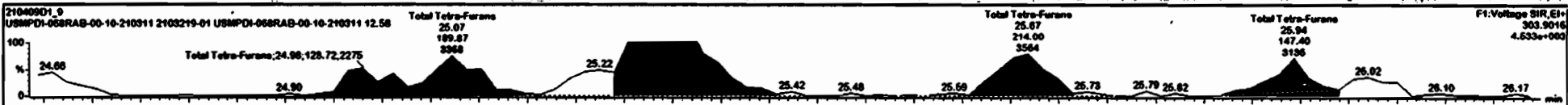
#	Name	Ret	SAREA	RA	n/y	RF	Wval	RT	Prod RT	RT	Prod RT	Check RT	Calc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.96	10.3011	34.58	34.57	1.611	1.611	NO	197.0	102	0.780	
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.882	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.30	37.24	1.891	1.891	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8,9-HpCDF	8.39e4	1.39e5	0.43	NO	0.59	10.3011	39.30	39.25	1.149	1.149	NO	196.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.64	42.44	1.247	1.241	NO	296.3	77.0	0.710	
35	37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3011	27.08	27.07	1.025	1.025	NO	81.31	100	0.105	
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.80	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.595	
37	13C-1,2,3,4,7,8-TCDF	2.87e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.520	
38	13C-1,2,3,4,6,8,9-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxine	1.55e5				1.00	10.3011	24.62		0.000	0.000	NO	1.962		0.110 2.43	
40	Total Penta-Dioxine	1.19e5				0.88	10.3011	29.98		0.000	0.000	NO	2.406		0.154 3.98	
41	Total Hexa-Dioxine	0.00e0				1.04	10.3011	33.63		0.000	0.000	NO	18.33		0.323 10.9	
42	Total Hepta-Dioxine	7.85e4				1.08	10.3011	37.64		0.000	0.000	NO	36.14		0.623 38.1	
43	Total Tetra-Furane	2.30e5				0.99	10.3011	23.81		0.000	0.000	NO	0.244		0.112 7.35	
44	1st Furanic Penta-Furane	0.00e0				1.02	10.3011	27.73		0.000	0.000	NO	2.968		0.0367 2.87	
45	Total Penta-Furane	0.00e0				1.02	10.3011	29.27		0.000	0.000	NO	5.508		0.121 5.81	
46	Total Hexa-Furane	0.00e0				1.13	10.3011	33.58		0.000	0.000	NO	7.875		0.220 8.88	
47	Total Hepta-Furane	0.00e0				1.11	10.3011	37.83		0.000	0.000	NO	10.07		0.202 18.1	
48	PFK1															
49	PFK2															
50	PFK3															



#	Name	Resp	IS AREA	RA	Qty	RRF	Wt/Wt	RT	Pred RT	RRT	Pred RRT	Chk RRT	Comp	%Rec	DL	EMPC	
30	30 13C-2,3,4,6,7,8-HxCDF	1.37e5	1.38e5	0.50	HO	0.96	10.3011	34.58	34.57	1.011	1.011	HO	197.0	102	0.780		
31	31 13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.53	HO	0.87	10.3011	35.71	35.69	1.044	1.044	HO	295.4	107	0.862		
32	32 13C-1,2,3,4,6,7,8-HxCDF	1.12e5	1.30e5	0.41	HO	0.79	10.3011	37.30	37.24	1.091	1.090	HO	195.4	101	1.27		
33	33 13C-1,2,3,4,7,8,9-HxCDF	8.30e4	1.38e5	0.43	HO	0.59	10.3011	39.30	39.25	1.149	1.148	HO	186.2	102	1.72		
34	34 13C-OCDF	1.52e5	1.38e5	0.91	HO	0.71	10.3011	42.84	42.44	1.247	1.241	HO	298.3	77.0	0.710		
35	35 37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3011	27.08	27.07	1.025	1.025	HO	81.31	108	0.185		
36	36 13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.80	HO	1.00	10.3011	28.42	28.42	1.000	1.000	HO	182.5	100	0.395		
37	37 13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	HO	1.00	10.3011	25.19	25.21	1.000	1.000	HO	182.5	100	0.320		
38	38 13C-1,2,3,4,6,8-HxCDF	1.30e5	1.39e5	0.51	HO	1.00	10.3011	34.19	34.18	1.000	1.000	HO	182.5	100	0.749		
39	39 Total Tetra-Dioxins	1.55e5				1.00	10.3011	24.82		0.000		HO	1.892		0.118	2.43	
40	40 Total Penta-Dioxins	1.19e5				0.98	10.3011	29.98		0.000		HO	2.408		0.154	3.98	
41	41 Total Hexa-Dioxins	0.90e4				1.04	10.3011	33.63		0.000		HO	10.33		0.323	10.9	
42	42 Total Hepta-Dioxins	7.85e4				1.08	10.3011	37.84		0.000		HO	38.14		0.623	38.1	
43	43 Total Tetra-Furans	2.30e5				0.99	10.3011	23.61		0.000		HO	6.244		0.112	7.38	
44	44 1st Func. Penta-Furans	0.00e0				1.02	10.3011	27.73		0.000		HO	2.898		0.0357	2.97	
45	45 Total Penta-Furans	0.00e0				1.02	10.3011	29.27		0.000		HO	5.588		0.121	5.91	
46	46 Total Hexa-Furans	0.00e0				1.13	10.3011	33.58		0.000		HO	7.875		0.226	8.88	
47	47 Total Hepta-Furans	0.00e0				1.11	10.3011	37.83		0.000		HO	10.07		0.202	10.1	
48	48 PFK1																
49	49 PFK2																
50	50 PFK3																

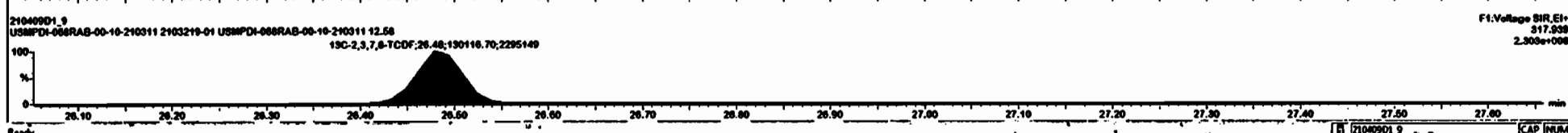
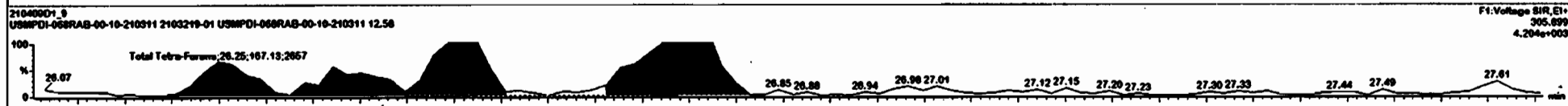
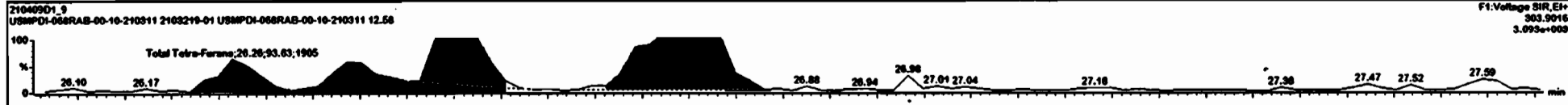


#	Name	Resp	SAREA	RA	My	RRP	WtVid	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EmpC	
30	13C-1,2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.98	10.3911	34.58	34.57	1.011	1.011	NO	197.0	102	0.780		
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3911	35.71	35.68	1.044	1.044	NO	205.4	107	0.882		
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3911	37.30	37.24	1.091	1.009	NO	195.4	101	1.27		
33	13C-1,2,3,4,7,8,9-HpCDF	8.30e4	1.39e5	0.43	NO	0.59	10.3911	39.30	39.25	1.149	1.148	NO	196.2	102	1.72		
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3911	42.84	42.44	1.247	1.241	NO	206.3	77.0	0.710		
35	37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3911	27.08	27.07	1.025	1.025	NO	81.31	100	0.195		
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.88	NO	1.00	10.3911	28.42	28.42	1.000	1.000	NO	192.5	100	0.395		
37	13C-1,2,3,4,6-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3911	25.19	25.21	1.000	1.000	NO	192.5	100	0.320		
38	13C-1,2,3,4,8,9-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3911	34.19	34.18	1.000	1.000	NO	192.5	100	0.749		
39	Total Tetra-Dioxins	1.56e5				1.00	10.3911	24.82		0.000	0.000	NO	1.982		0.118	2.43	
40	Total Penta-Dioxins	1.18e5				0.98	10.3911	29.88		0.000	0.000	NO	2.409		0.154	3.98	
41	Total Hexa-Dioxins	0.00e0				1.04	10.3911	33.63		0.000	0.000	NO	10.33		0.323	10.9	
42	Total Hepta-Dioxins	7.85e4				1.08	10.3911	37.64		0.000	0.000	NO	38.14		0.622	38.1	
43	Total Tetra-Furans	7.36e5				0.99	10.3911	23.61		0.000	0.000	NO	6.244		0.112	7.38	
44	1st Func. Penta-Furans	0.00e0				1.02	10.3911	27.73		0.000	0.000	NO	2.960		0.0357	2.97	
45	Total Penta-Furans	0.00e0				1.02	10.3911	29.27		0.000	0.000	NO	5.588		0.121	5.01	
46	Total Hexa-Furans	0.00e0				1.13	10.3911	33.56		0.000	0.000	NO	7.875		0.220	8.80	
47	Total Hepta-Furans	0.00e0				1.11	10.3911	37.83		0.000	0.000	NO	10.07		0.292	10.1	
48	PFK1																
49	PFK2																





#	Method	Resp	SAREA	RA	aly	RFP	wfwd	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HrCDF	1.37e5	1.39e5	0.50	NO	0.90	10.3011	34.58	34.57	1.011	1.011	NO	197.0	102	0.780	
31	13C-1,2,3,7,8,9-HrCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3011	35.71	35.68	1.044	1.044	NO	295.4	107	0.862	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.24	37.24	1.091	1.089	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8,9-HpCDF	8.30e4	1.39e5	0.43	NO	0.59	10.3011	38.30	39.25	1.149	1.148	NO	190.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.84	42.44	1.247	1.241	NO	296.3	77.0	0.710	
35	37Cl-2,3,7,8-TCDD	5.89e4	1.22e5			1.11	10.3011	27.80	27.87	1.025	1.025	NO	81.31	100	0.105	
36	13C-1,2,3,4-TCDD	1.22e5	1.22e5	0.88	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.320	
38	13C-1,2,3,4,6,8-HrCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxins	1.56e5				1.00	10.3011		24.82	0.000	NO	1.002		0.118	2.43	
40	Total Penta-Dioxins	1.10e5				0.98	10.3011		29.90	0.000	NO	2.400		0.154	3.90	
41	Total Hexa-Dioxins	0.00e0				1.04	10.3011		33.63	0.000	NO	10.33		0.323	10.9	
42	Total Hepta-Dioxins	7.85e4				1.00	10.3011		37.04	0.000	NO	38.14		0.823	38.1	
43	Total Tetra-Furans	2.30e5				0.99	10.3011		23.81	0.000	NO	0.215		0.112	7.32	
44	1st Func. Penta-Furans	0.00e0				1.02	10.3011		27.73	0.000	NO	2.000		0.0357	2.87	
45	Total Penta-Furans	0.00e0				1.02	10.3011		29.27	0.000	NO	5.500		0.121	5.91	
46	Total Hexa-Furans	0.00e0				1.13	10.3011		33.50	0.000	NO	7.875		0.226	8.88	
47	Total Hepta-Furans	0.00e0				1.11	10.3011		37.83	0.000	NO	10.07		0.292	18.1	
48	PFK1															
49	PFK2															
50	50 PFK3															



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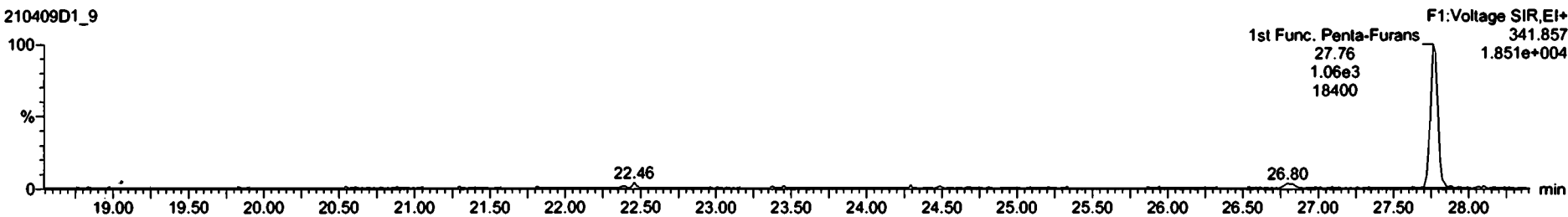
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1st Func. Penta-Furans

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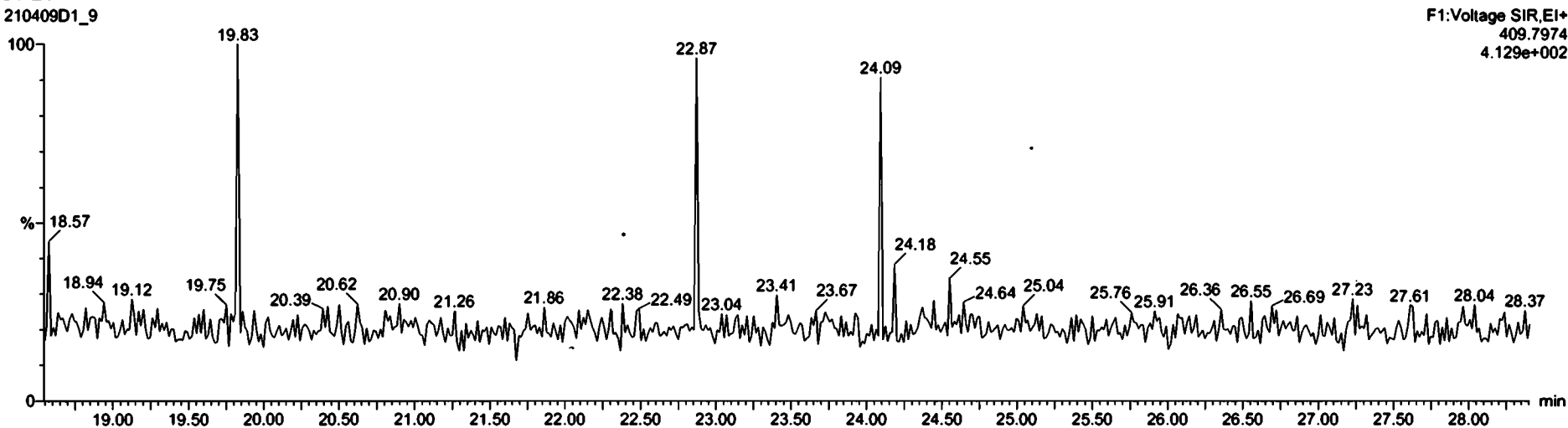


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DPE6

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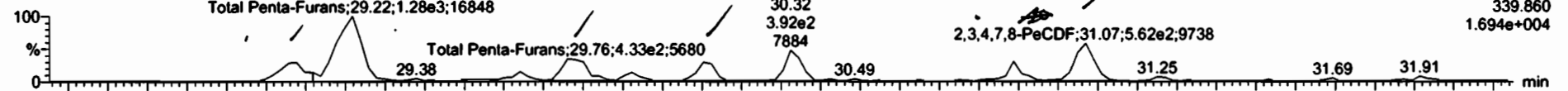
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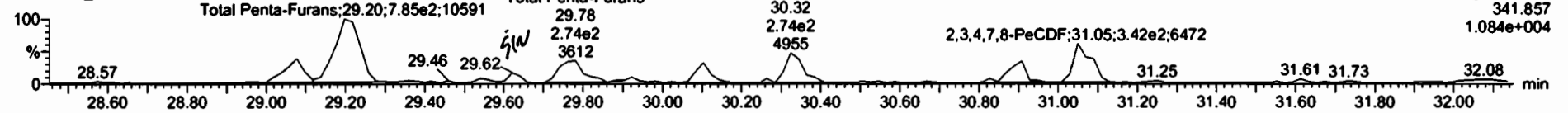
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**1,2,3,7,8-PeCDF**

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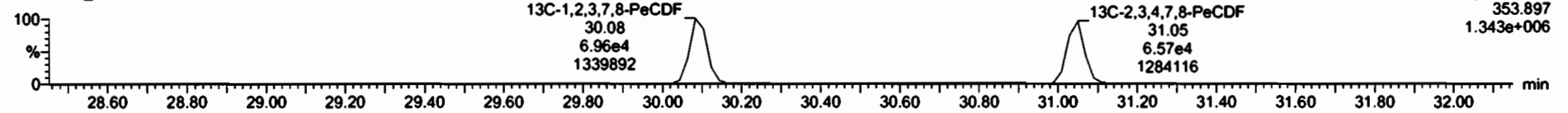


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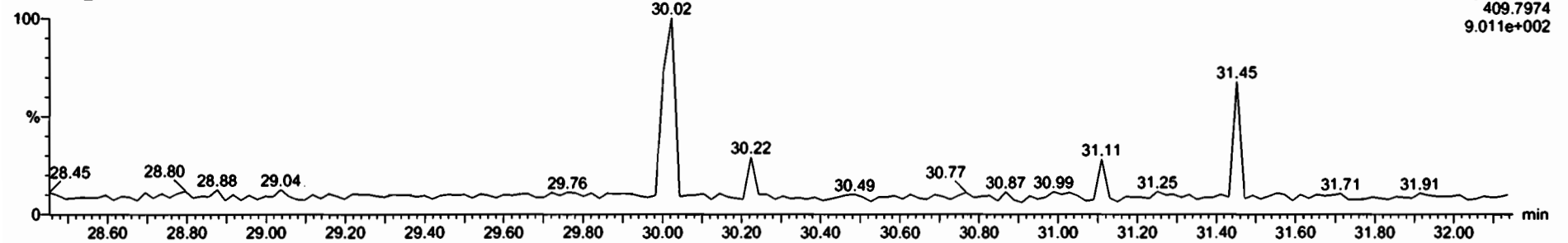


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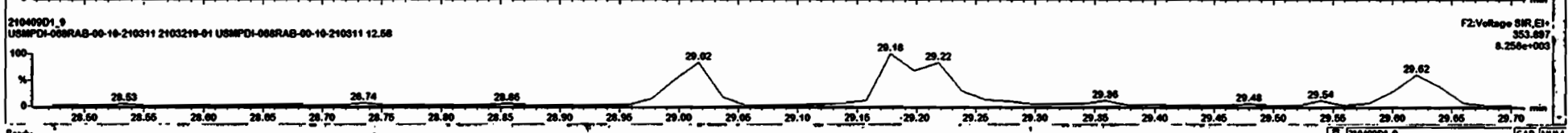
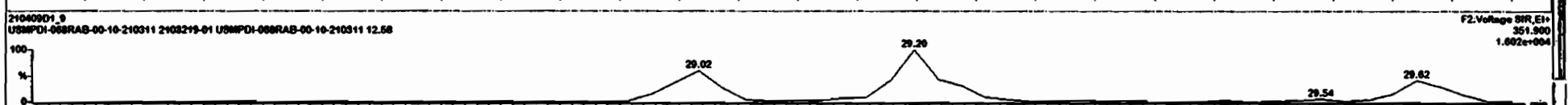
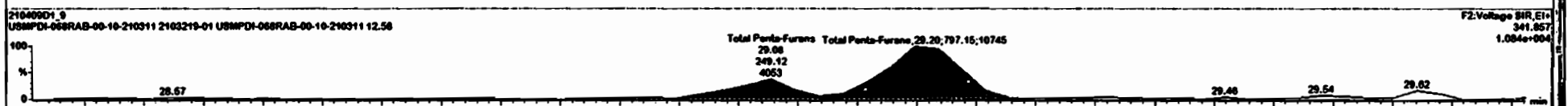
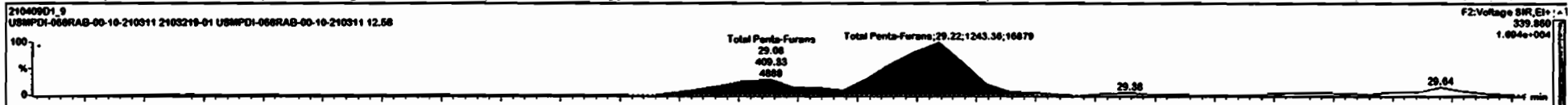


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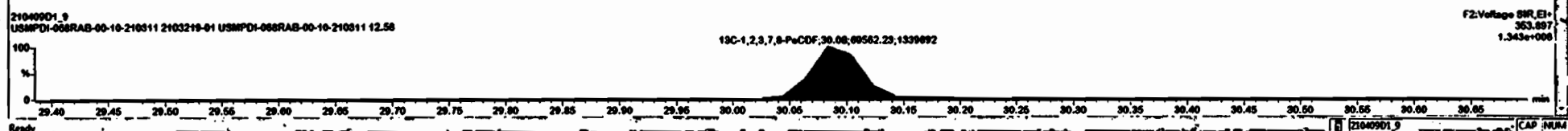
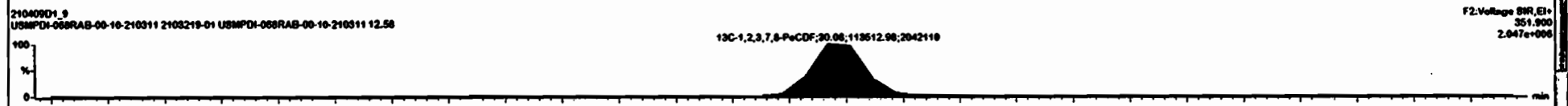
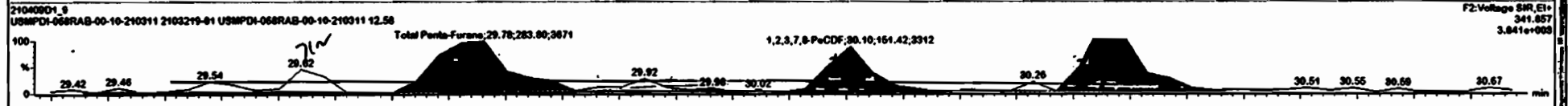
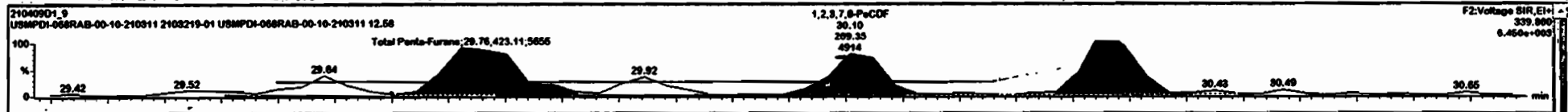
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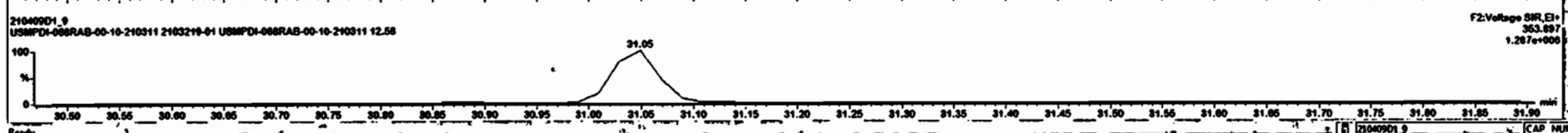
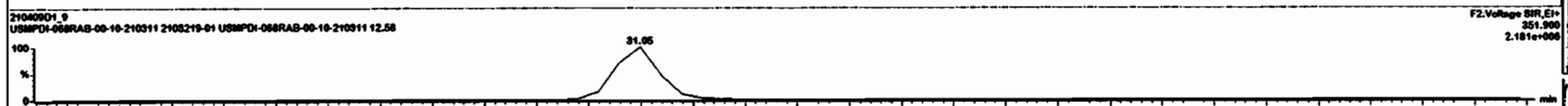
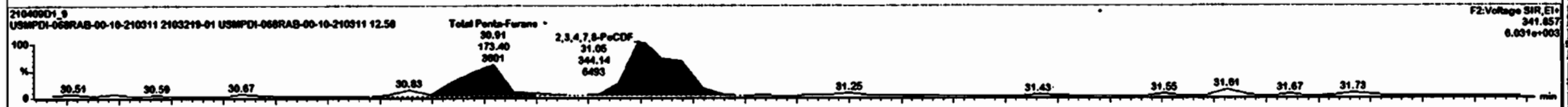
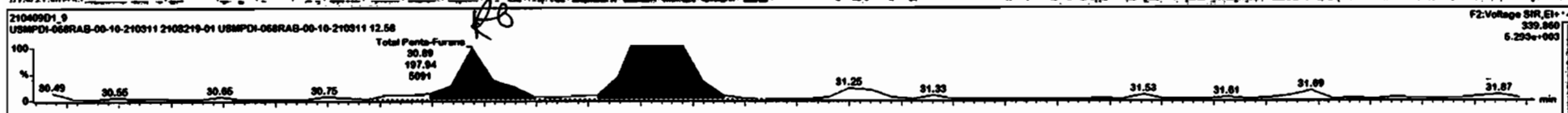
#	Name	Resp	ISAREA	RA	WY	RRF	WVal	RT	Pred RT	RT	Pred RT	Check RT	Conc	%Rec	DL	EMPC
30	30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.95	10.3011	34.58	34.57	1.011	1.011	NO	197.0	102	0.780
31	31	13C-1,2,3,7,8,9-HxCDF	1.28e5	1.39e5	0.53	NO	0.87	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.862
32	32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.38	37.24	1.091	1.089	NO	195.4	101	1.27
33	33	13C-1,2,3,4,7,8,9-HpCDF	8.30e4	1.39e5	0.43	NO	0.59	10.3011	39.30	39.25	1.149	1.148	NO	196.2	102	1.72
34	34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.64	42.44	1.247	1.241	NO	206.3	77.0	0.710
35	35	37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3011	27.00	27.07	1.025	1.025	NO	81.31	100	0.105
36	36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.80	NO	1.00	10.3011	26.42	26.42	1.000	1.000	NO	192.5	100	0.395
37	37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.329
38	38	13C-1,2,3,4,6,9-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.10	34.10	1.000	1.000	NO	192.5	100	0.749
39	39	Total Tetra-Dioxins	1.55e5				1.00	10.3011		24.82	0.000	0.000	NO	1.982	0.110	2.43
40	40	Total Penta-Dioxins	1.19e5				0.90	10.3011		29.08	0.000	0.000	NO	2.409	0.154	3.98
41	41	Total Hexa-Dioxins	0.00e0				1.04	10.3011		33.63	0.000	0.000	NO	10.33	0.323	10.9
42	42	Total Hepta-Dioxins	7.85e4				1.05	10.3011		37.64	0.000	0.000	NO	30.14	0.823	38.1
43	43	Total Tetra-Furans	2.30e5				0.99	10.3011		23.61	0.000	0.000	NO	6.215	0.112	7.32
44	44	1st Func. Penta-Furans	0.00e0				1.02	10.3011		27.73	0.000	0.000	NO	2.960	0.0357	2.87
45	45	Total Penta-Furans	0.00e0				1.02	10.3011		29.27	0.000	0.000	NO	5.580	0.121	5.91
46	46	Total Hexa-Furans	0.00e0				1.13	10.3011		33.56	0.000	0.000	NO	7.875	0.220	8.88
47	47	Total Hepta-Furans	0.00e0				1.11	10.3011		37.63	0.000	0.000	NO	18.07	0.282	18.1
48	48	PFK1														
49	49	PFK2														
50	50	PFK3														



#	Name	Resp	AREA	RA	Qty	RF	IntVal	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
30	13C-1,2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.00	10.3011	34.58	34.57	1.011	1.011	NO	197.0	102	0.780	
31	13C-1,2,3,7,8-HxCDF	1.29e5	1.39e5	0.53	NO	0.07	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.802	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.090	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8-HpCDF	8.30e4	1.39e5	0.43	NO	0.50	10.3011	38.30	39.25	1.148	1.148	NO	190.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.84	42.44	1.247	1.241	NO	290.3	77.9	0.719	
35	37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3011	27.06	27.07	1.025	1.025	NO	81.31	100	0.195	
36	13C-1,2,3,6-TCDF	1.22e5	1.22e5	0.86	NO	1.00	10.3011	26.42	26.42	1.000	1.000	NO	182.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	182.5	100	0.320	
38	13C-1,2,3,4,6,8-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxine	1.55e5				1.00	10.3011	24.82		0.000	NO	1.982		0.118	2.43	
40	Total Tetra-Dioxine	1.19e5				0.98	10.3011	29.08		0.000	NO	2.400		0.154	3.98	
41	Total Hexa-Dioxine	0.00e0				1.04	10.3011	33.63		0.000	NO	10.33		0.323	10.9	
42	Total Hexa-Dioxine	7.85e4				1.08	10.3011	37.64		0.000	NO	30.14		0.623	30.1	
43	Total Tetra-Furane	2.30e5				0.99	10.3011	23.61		0.000	NO	6.215		0.112	7.32	
44	1st Func. Penta-Furane	0.00e0				1.02	10.3011	27.73		0.000	NO	2.908		0.0357	2.97	
45	Total Penta-Furane	0.00e0				1.02	10.3011	29.27		0.000	NO	5.588		0.121	5.97	
46	Total Hexa-Furane	0.00e0				1.13	10.3011	33.56		0.000	NO	7.875		0.226	8.08	
47	Total Hexa-Furane	0.00e0				1.11	10.3011	37.83		0.000	NO	10.07		0.282	10.1	
48	PFK1															
49	PFK2															
50	SPK1															



#	Name	Resp	ISAREA	RA	dy	RP	RPV	RT	Prod RT	RT	Prod RT	Check RT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.98	10.3911	34.58	34.57	1.011	1.011	NO	197.0	102	0.708	
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3911	35.71	35.68	1.044	1.044	NO	205.4	107	0.862	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3911	37.30	37.24	1.091	1.089	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8,9-HpCDF	8.30e4	1.39e5	0.43	NO	0.58	10.3911	39.30	39.25	1.149	1.148	NO	186.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3911	42.84	42.44	1.247	1.241	NO	290.3	77.0	0.710	
35	37Cl-2,3,7,8-TCDF	5.69e4	1.22e5			1.11	10.3911	27.08	27.07	1.025	1.025	NO	81.31	106	0.195	
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.88	NO	1.00	10.3911	26.42	26.42	1.000	1.000	NO	192.5	100	0.395	
37	13C-1,2,3,6-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3911	25.19	25.21	1.000	1.000	NO	192.5	100	0.320	
38	13C-1,2,3,4,6,8-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3911	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxine		1.55e5			1.00	10.3911		24.62		0.000	NO	1.982		0.118	2.43
40	Total Penta-Dioxine		1.18e5			0.08	10.3911		29.88		0.000	NO	2.408		0.154	3.98
41	Total Hexa-Dioxine		0.00e0			1.04	10.3911		33.63		0.000	NO	10.33		0.323	10.9
42	Total Hepta-Dioxine		7.85e4			1.08	10.3911		37.64		0.000	NO	38.14		0.623	38.1
43	Total Tetra-Furane		2.36e5			0.99	10.3911		23.61		0.000	NO	6.215		0.112	7.32
44	1st Func. Penta-Furane		0.00e0			1.02	10.3911		27.73		0.000	NO	2.968		0.6257	2.97
45	Total Penta-Furane		0.00e0			1.02	10.3911		29.27		0.000	NO	5.508		0.121	5.91
46	Total Hexa-Furane		0.00e0			1.13	10.3911		33.58		0.000	NO	7.873		0.226	8.88
47	Total Hepta-Furane		0.00e0			1.11	10.3911		37.63		0.000	NO	18.07		0.202	18.1
48	PFK1															
49	PFK2															
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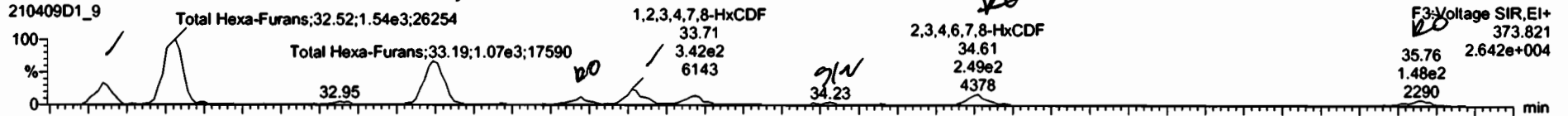


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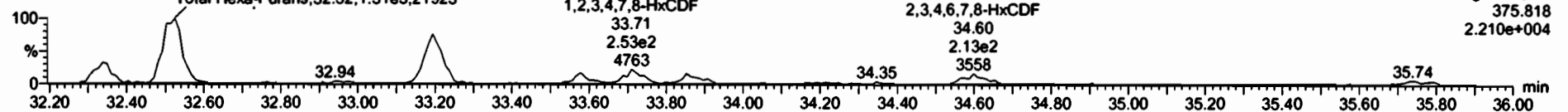
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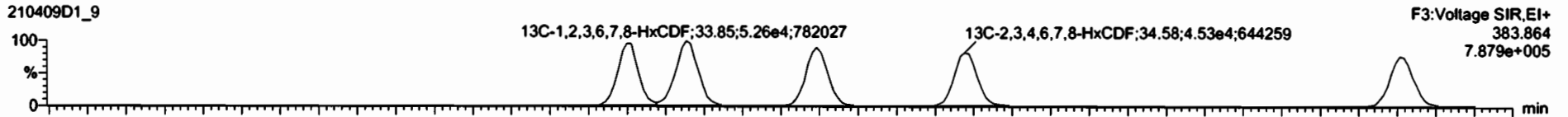
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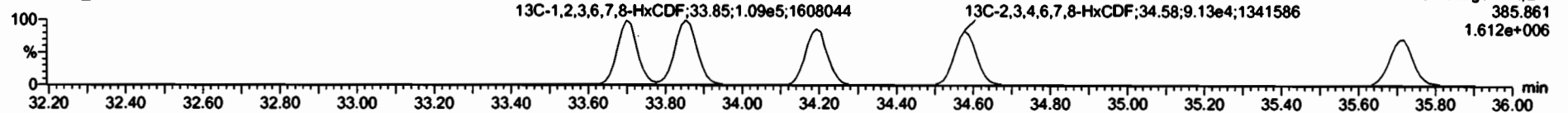
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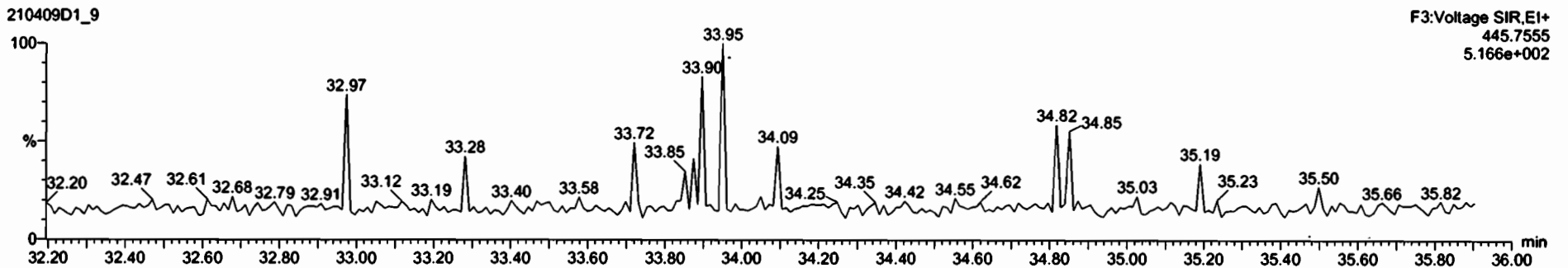
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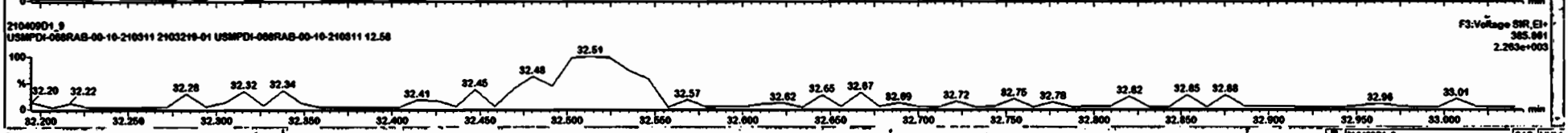
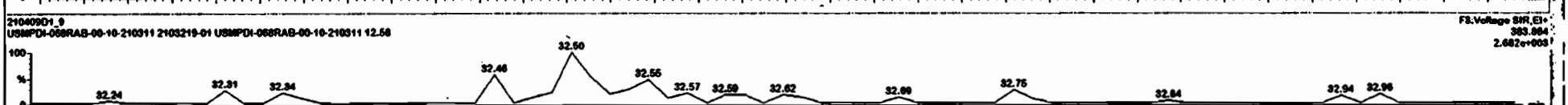
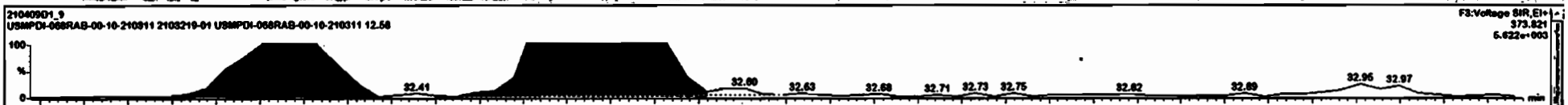
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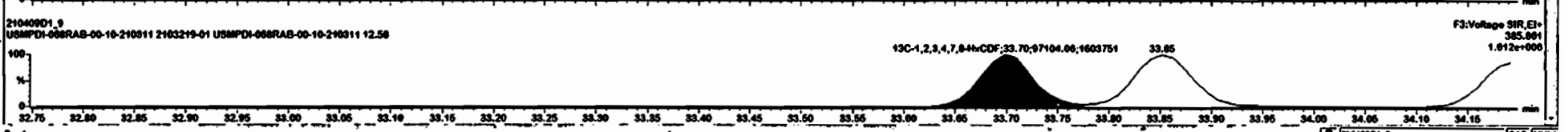
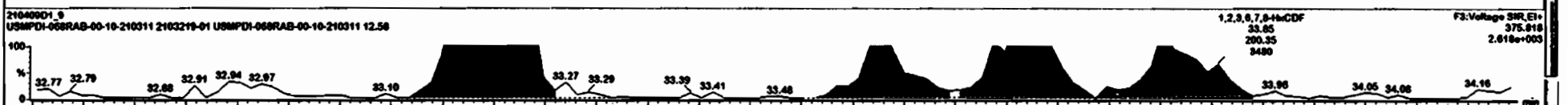
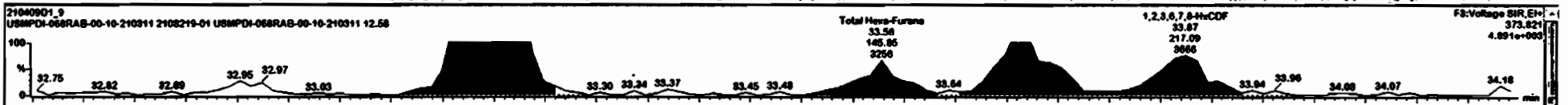


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31	13C-1,2,3,7,8,9-HxCDF	1.29e5	1.30e5	0.53	NO	0.87	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.882		
32	13C-1,2,3,4,6,7,8-HxCDF	1.12e5	1.30e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.089	NO	195.4	101	1.27		
33	13C-1,2,3,4,7,8,9-HxCDF	8.30e4	1.30e5	0.43	NO	0.59	10.3011	39.30	39.25	1.149	1.148	NO	196.2	102	1.72		
34	13C-OCDF	1.52e5	1.30e5	0.91	NO	0.71	10.3011	42.84	42.44	1.247	1.241	NO	298.3	77.0	0.719		
35	37Cl-2,3,7,8-TCDD	5.69e4	1.22e5			1.11	10.3011	27.08	27.07	1.025	1.025	NO	81.31	108	0.105		
36	13C-1,2,3,4-TCDD	1.22e5	1.22e5	0.88	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.395		
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	26.19	26.21	1.000	1.000	NO	192.5	100	0.320		
38	13C-1,2,3,4,6,9-HxCDF	1.30e5	1.30e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.749		
39	Total Tetra-Dioxins	1.55e5				1.00	10.3011	24.62		0.000		NO	1.092		0.118	2.43	
40	Total Penta-Dioxins	1.19e5				0.98	10.3011	29.98		0.000		NO	2.409		0.154	3.98	
41	Total Hexa-Dioxins	0.99e9				1.04	10.3011	33.63		0.000		NO	19.33		0.325	10.9	
42	Total Hepta-Dioxins	7.85e4				1.08	10.3011	37.84		0.000		NO	38.14		0.623	38.1	
43	Total Tetra-Furans	2.30e5				0.99	10.3011	23.61		0.000		NO	6.215		0.112	7.32	
44	1st Func. Penta-Furans	0.00e0				1.02	10.3011	27.73		0.000		NO	2.868		0.0357	2.97	
45	Total Penta-Furans	0.00e0				1.02	10.3011	29.27		0.000		NO	5.568		0.121	5.91	
46	Total Hexa-Furans	0.00e0				1.13	10.3011	33.56		0.000		NO	7.875		0.226	8.88	
47	Total Hepta-Furans	0.00e0				1.11	10.3011	37.83		0.000		NO	10.07		0.292	18.1	
48	PFK1																
49	PFK2																
50	501 PFK3																

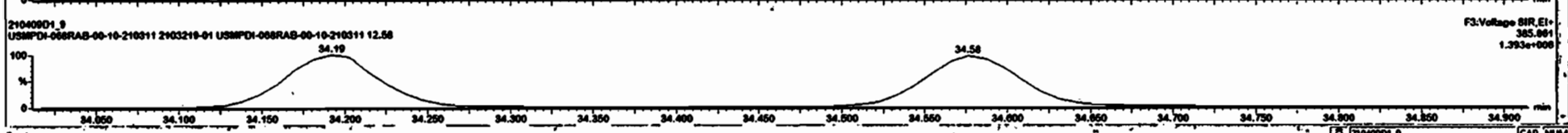
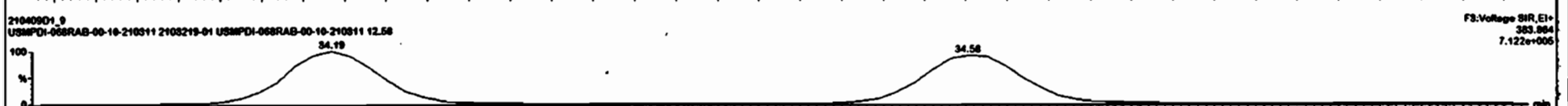
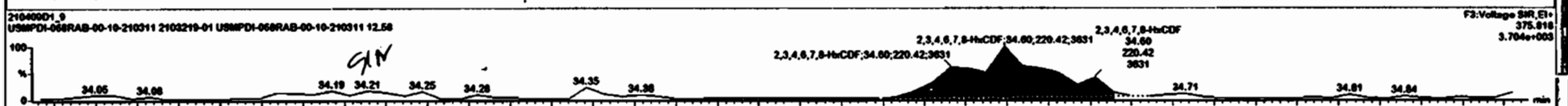
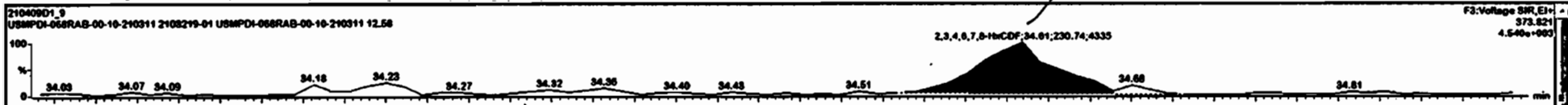




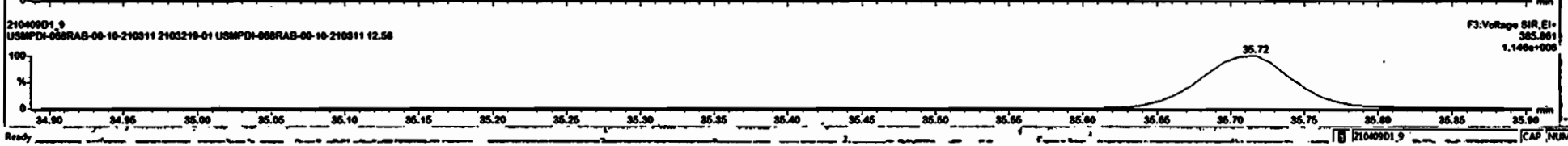
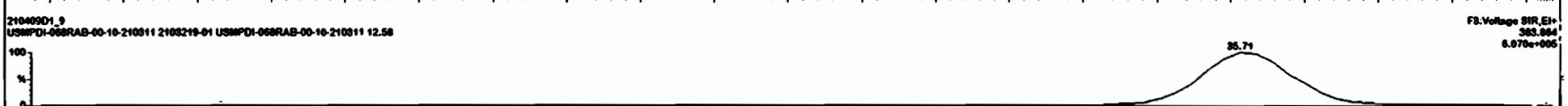
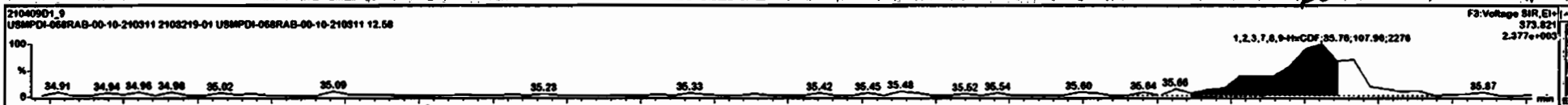
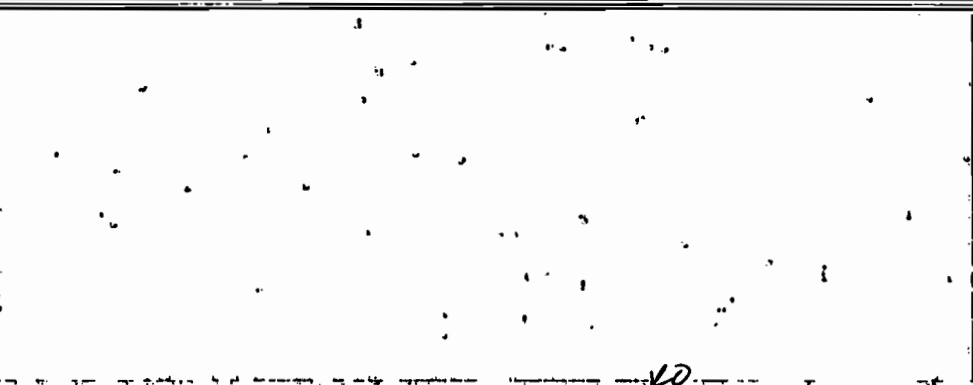
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30	13C-2,3,4,6,7,8-HxCDF	1.57e5	1.30e5	0.50	NO	0.08	10.3011	34.58	34.57	1.011	1.011	NO	157.6	102	0.780	
31	13C-1,2,3,7,8,9-HxCDF	1.22e5	1.30e5	0.53	NO	0.07	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.682	
32	13C-1,2,3,4,6,7,8-HxCDF	1.12e5	1.30e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.089	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8,9-HxCDF	8.50e4	1.30e5	0.43	NO	0.50	10.3011	38.30	38.25	1.149	1.148	NO	190.2	102	1.72	
34	13C-OCDF	1.52e5	1.30e5	0.91	NO	0.71	10.3011	42.84	42.44	1.247	1.241	NO	298.3	77.0	0.710	
35	37Cl-2,3,7,8-TCDD	5.09e4	1.22e5			1.11	10.3011	27.08	27.07	1.025	1.025	NO	81.31	106	0.105	
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.86	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.87e5	2.87e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.320	
38	13C-1,2,3,4,8,9-HxCDF	1.30e5	1.30e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxine	1.55e5				1.00	10.3011	24.62		0.000	NO	1.982		0.118	2.43	
40	Total Penta-Dioxine	1.10e5				0.08	10.3011	29.08		0.000	NO	2.400		0.154	3.08	
41	Total Hexa-Dioxine	0.00e0				1.04	10.3011	33.63		0.000	NO	10.33		0.323	10.9	
42	Total Hepta-Dioxine	7.85e4				1.06	10.3011	37.64		0.000	NO	38.14		0.623	38.1	
43	Total Tetra-Furane	2.30e5				0.09	10.3011	23.61		0.000	NO	6.215		0.112	7.32	
44	1st Func. Penta-Furane	0.00e0				1.02	10.3011	27.73		0.000	NO	2.900		0.0257	2.97	
45	Total Penta-Furane	0.00e0				1.02	10.3011	29.27		0.000	NO	5.500		0.121	5.91	
46	Total Hexa-Furane	0.00e0				1.15	10.3011	33.56		0.000	NO	7.075		0.226	8.88	
47	Total Hepta-Furane	0.00e0				1.11	10.3011	37.83		0.000	NO	10.07		0.282	10.1	
48	PFK1															
49	PFK2															
50	PFK3															



#	Name	Resp	IS AREA	RA	dy	RPF	rt	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.95	10.3011	34.58	34.57	1.011	1.011	NO	197.0	102	0.780
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.802
32	13C-1,2,3,4,6,7,8-HxCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.090	NO	195.4	101	1.27
33	13C-1,2,3,4,7,8,9-HxCDF	8.30e4	1.39e5	0.43	NO	0.50	10.3011	39.30	39.25	1.140	1.140	NO	196.2	102	1.72
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.64	42.44	1.247	1.241	NO	200.3	77.0	0.710
35	37Cl-2,3,7,8-TCDD	5.09e4	1.22e5			1.11	10.3011	27.88	27.87	1.025	1.025	NO	81.31	100	0.105
36	13C-1,2,3,4-TCDD	1.22e5	1.22e5	0.08	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.395
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.320
38	13C-1,2,3,4,6,8,9-HxCDF	1.30e5	1.39e5	0.51	NO	1.00	10.3011	34.10	34.10	1.000	1.000	NO	192.5	100	0.740
39	Total Tetra-Dioxins	1.55e5				1.00	10.3011	24.62		0.000	NO	1.902	0.110	2.43	
40	Total Penta-Dioxins	1.19e5				0.95	10.3011	29.90		0.000	NO	2.400	0.154	3.00	
41	Total Hexa-Dioxins	0.0000				1.04	10.3011	33.63		0.000	NO	10.33	0.325	10.9	
42	Total Hepta-Dioxins	7.85e4				1.08	10.3011	37.84		0.000	NO	30.14	0.823	30.1	
43	Total Tetra-Furans	2.30e5				0.99	10.3011	23.61		0.000	NO	6.215	0.112	7.32	
44	Total Penta-Furans	0.0000				1.02	10.3011	27.73		0.000	NO	2.900	0.0357	2.07	
45	Total Hexa-Furans	0.0000				1.02	10.3011	29.27		0.000	NO	5.500	0.121	5.91	
46	Total Hepta-Furans	0.0000				1.13	10.3011	33.56		0.000	NO	7.075	0.220	6.00	
47	Total Octa-Furans	0.0000				1.11	10.3011	37.83		0.000	NO	10.07	0.292	10.1	
48	PFK1														
49	PFK2														
50	501 PFK3														



#	# Name %	Resp	AREA	RA	dy	RFV	wVet	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.06	10.3011	34.58	34.57	1.011	1.011	NO	197.8	102	0.780	
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.53	NO	0.07	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.852	
32	13C-1,2,3,4,6,7,8-HxCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.091	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8-HxCDF	8.39e4	1.39e5	0.43	NO	0.59	10.3011	36.30	36.25	1.149	1.148	NO	196.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.64	42.64	1.247	1.241	NO	296.3	77.8	0.719	
35	37Cl-2,3,7,8-TCDD	5.89e4	1.22e5			1.11	10.3011	27.08	27.07	1.025	1.025	NO	81.31	108	0.105	
36	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.88	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.329	
38	13C-1,2,3,4,6,9-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.3011	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxins	1.55e5				1.00	10.3011	24.62		0.000	0.000	NO	1.982	0.110	2.43	
40	Total Penta-Dioxins	1.19e5				0.98	10.3011	29.98		0.000	0.000	NO	2.409	0.154	3.98	
41	Total Hexa-Dioxins	0.90e0				1.04	10.3011	33.83		0.000	0.000	NO	10.33	0.323	18.9	
42	Total Hepta-Dioxins	7.85e4				1.06	10.3011	37.84		0.000	0.000	NO	38.14	0.623	38.1	
43	Total Tetra-Furans	2.30e5				0.99	10.3011	23.81		0.000	0.000	NO	6.215	0.112	7.32	
44	Total Penta-Furans	0.90e0				1.02	10.3011	27.73		0.000	0.000	NO	2.988	0.0357	2.97	
45	Total Hexa-Furans	0.90e0				1.02	10.3011	29.27		0.000	0.000	NO	5.588	0.121	5.91	
46	Total Hepta-Furans	0.90e0				1.13	10.3011	33.56		0.000	0.000	NO	7.675	0.228	6.06	
47	Total Octa-Furans	0.90e0				1.11	10.3011	37.83		0.000	0.000	NO	10.07	0.282	10.1	
48	PFX1															
49	PFX2															
50	PFX3															



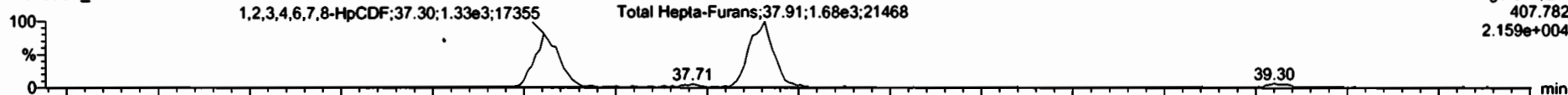
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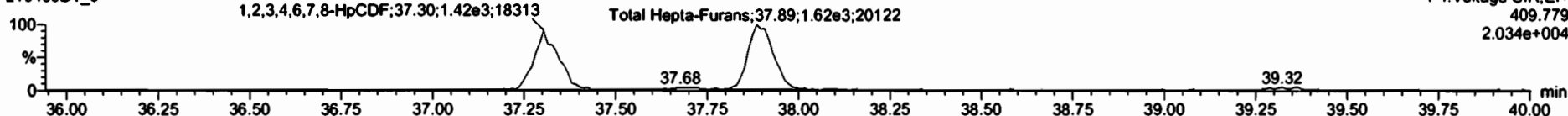
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**1,2,3,4,6,7,8-HpCDF**

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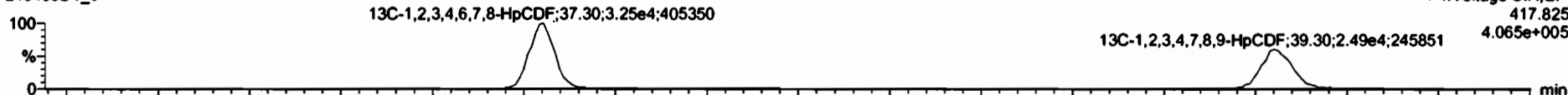


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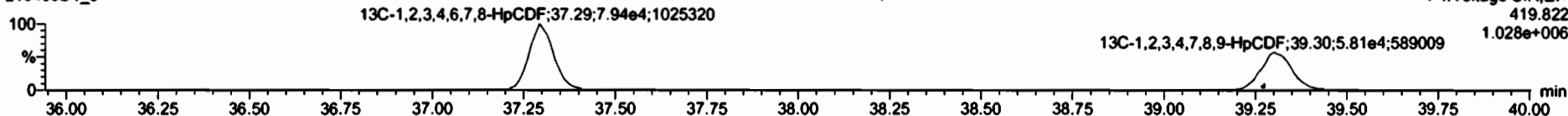


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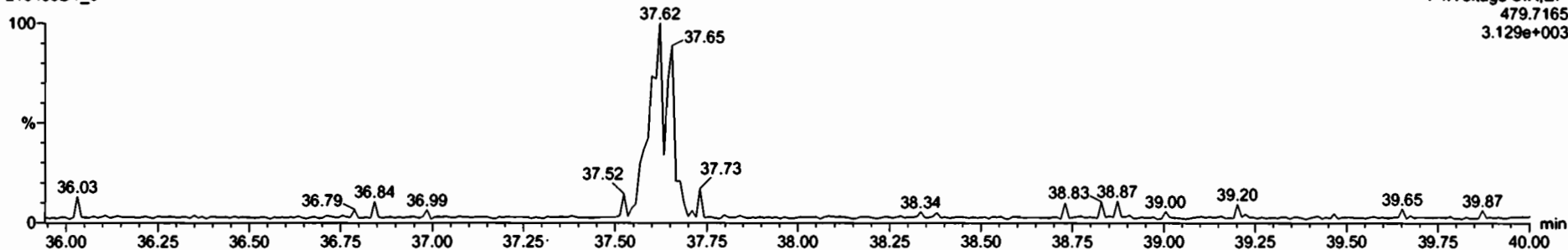


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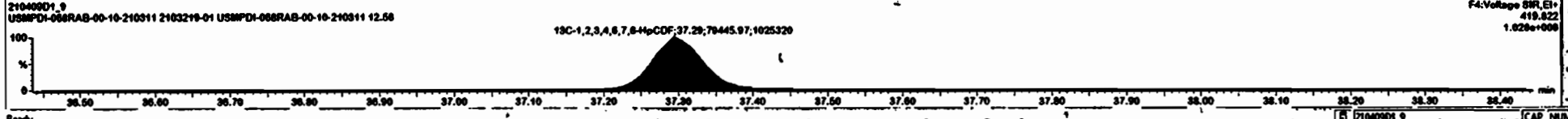
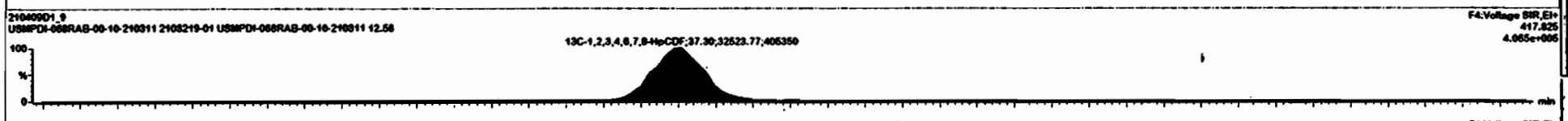
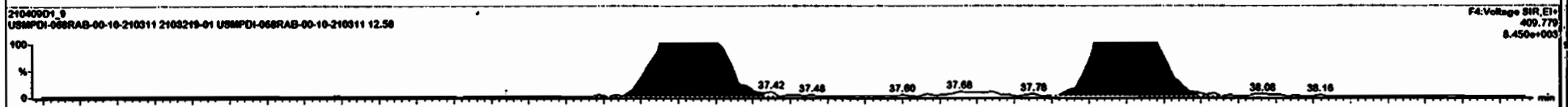
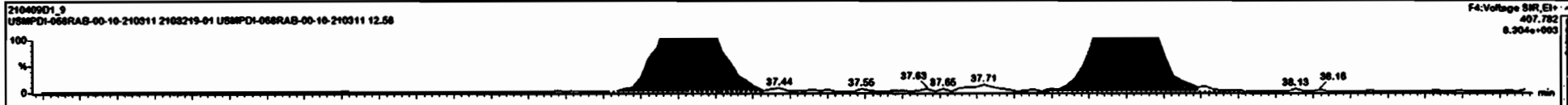


**DPE4**

210409D1\_9



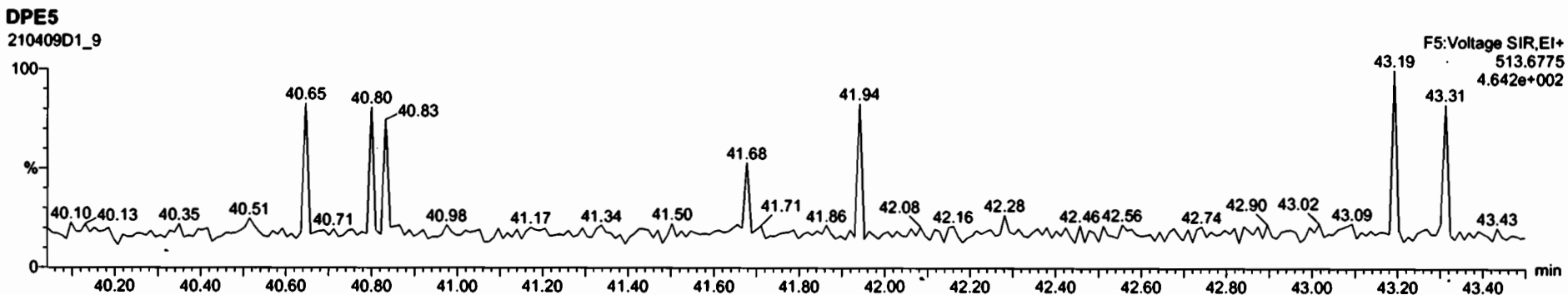
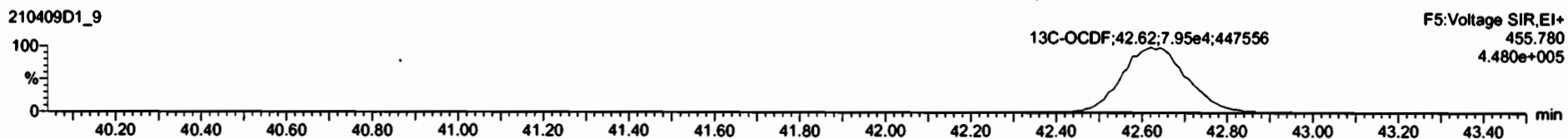
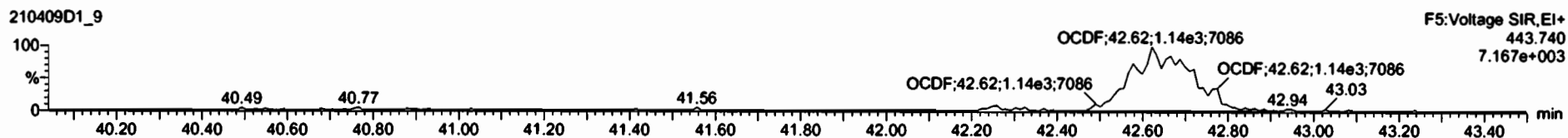
#	Name	Resp	IS AREA	RA	dy	RRF	w/wvt	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	OL	EMPC
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.98	10.3011	34.58	34.57	1.011	1.011	NO	197.0	102	0.700	
31	13C-1,2,3,7,8,9-HxCDF	1.29e5	1.39e5	0.53	NO	0.87	10.3011	35.71	35.68	1.044	1.044	NO	205.4	107	0.862	
32	13C-1,2,3,4,6,7,8-HpCDF	1.12e5	1.39e5	0.41	NO	0.79	10.3011	37.30	37.24	1.091	1.089	NO	195.4	101	1.27	
33	13C-1,2,3,4,7,8,9-HpCDF	8.30e4	1.39e5	0.43	NO	0.50	10.3011	38.20	38.25	1.149	1.148	NO	186.2	102	1.72	
34	13C-OCDF	1.52e5	1.39e5	0.91	NO	0.71	10.3011	42.64	42.44	1.247	1.241	NO	286.3	77.0	0.718	
35	37Cl-2,3,7,8-TCDD	5.09e4	1.22e5			1.11	10.3011	27.06	27.07	1.025	1.025	NO	81.31	100	0.105	
36	13C-1,2,3,4-TCDD	1.22e5	1.22e5	0.88	NO	1.00	10.3011	28.42	28.42	1.000	1.000	NO	192.5	100	0.395	
37	13C-1,2,3,4-TCDF	2.07e5	2.07e5	0.81	NO	1.00	10.3011	25.19	25.21	1.000	1.000	NO	192.5	100	0.320	
38	13C-1,2,3,4,6,8,9-HxCDF	1.39e5	1.39e5	0.51	NO	1.00	10.2911	34.19	34.18	1.000	1.000	NO	192.5	100	0.749	
39	Total Tetra-Dioxins		1.55e5			1.00	10.2911			24.02		0.000	NO	1.062	0.118	2.43
40	Total Penta-Dioxins		1.19e5			0.98	10.2911			29.06		0.000	NO	2.400	0.154	3.88
41	Total Hexa-Dioxins		0.00e0			1.04	10.2911			33.03		0.000	NO	10.33	0.323	10.9
42	Total Hepta-Dioxins		7.85e4			1.08	10.2911			37.04		0.000	NO	38.14	0.623	38.1
43	Total Tetra-Furans		2.30e5			0.99	10.2911			23.61		0.000	NO	6.215	0.112	7.32
44	Total Penta-Furans		0.00e0			1.02	10.2911			27.73		0.000	NO	2.000	0.0357	2.97
45	Total Hexa-Furans		0.00e0			1.02	10.2911			29.27		0.000	NO	5.508	0.121	5.91
46	Total Hepta-Furans		0.00e0			1.13	10.2911			33.56		0.000	NO	7.873	0.226	8.86
47	Total Octa-Furans		0.00e0			1.11	10.2911			37.83		0.000	NO	9.971	0.282	9.97
48	PFK1															
49	PFK2															
50	PFK3															



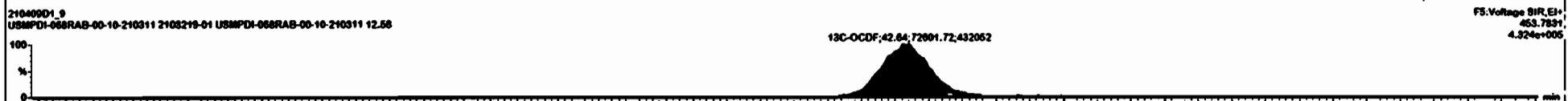
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311



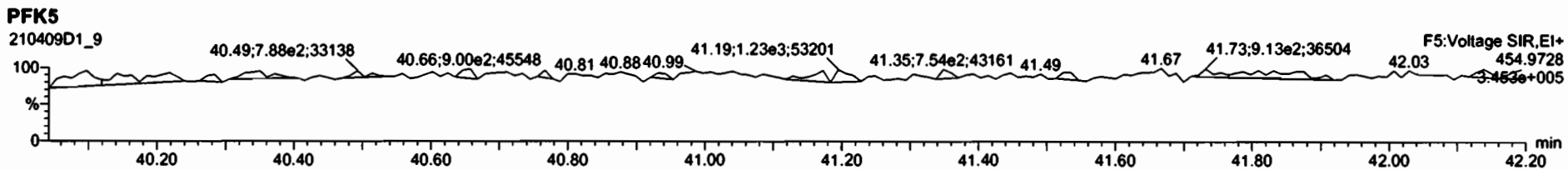
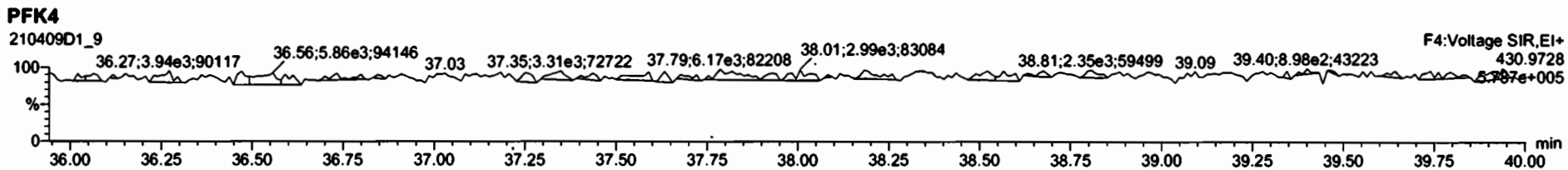
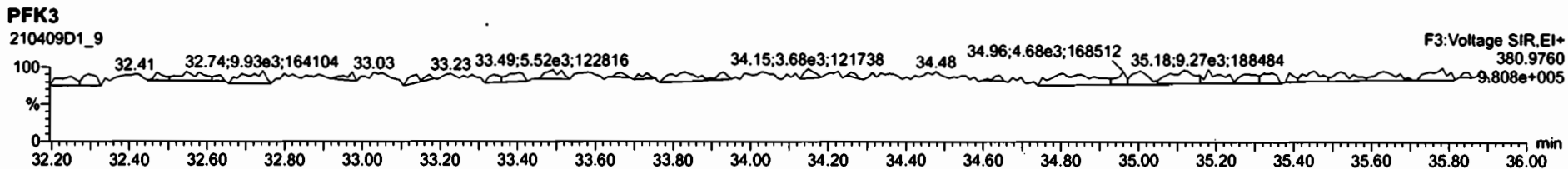
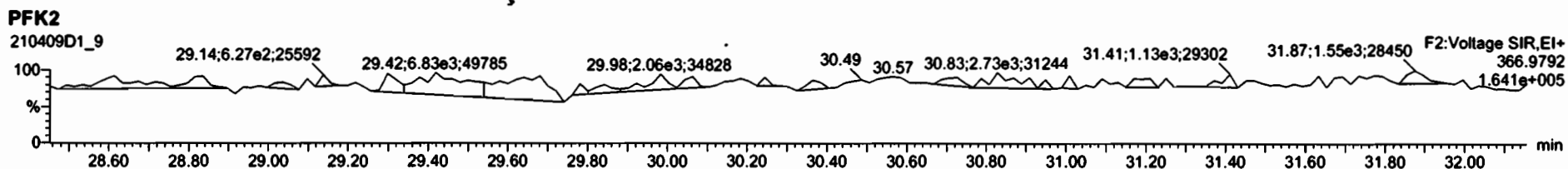
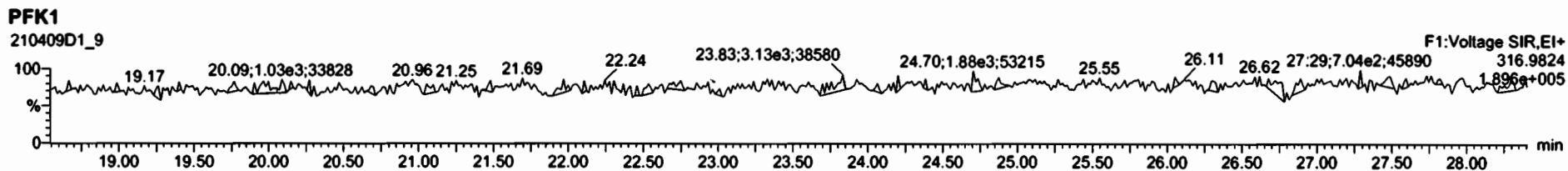
#	Name	Resp	ISAREA	RA	Qty	RRP	wtdwt	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	DtMC
10	1,2,3,4,7,8-PeCDF	8.87e2	1.73e5	1.58	NO	1.17	10.3011	31.87	31.88	1.001	1.001	NO	0.8422		0.102	0.842
11	1,2,3,4,7,8-HxCDF	5.90e2	1.44e5	1.30	NO	1.14	10.3011	33.71	33.73	1.009	1.001	NO	0.6048		0.203	0.605
12	1,2,3,6,7,8-HxCDF	4.17e2	1.02e5	1.08	NO	1.04	10.3011	33.87	33.88	1.001	1.000	NO	0.4764		0.212	0.476
13	1,2,3,6,7,8-HxCDF	4.51e2	1.37e5	1.05	YES	1.13	10.3011	34.61	34.58	1.001	1.000	NO	0.5638		0.243	0.521
14	1,2,3,7,8,9-HxCDF	1.63e2	1.29e5	1.97	YES	1.07	10.3011	35.76	35.71	1.002	1.000	NO	0.2263		0.282	0.171
15	1,2,3,4,6,7,8-HpCDF	2.75e3	1.12e5	0.97	NO	1.11	10.3011	37.30	37.34	1.000	1.001	NO	4.240		0.156	4.24
16	1,2,3,4,7,8,9-HpCDF		8.39e4		NO	1.32	10.3011	39.30			1.000	NO			0.224	
17	OCDF	2.12e3	1.52e5	0.80	NO	0.83	10.3011	42.62	42.64	0.990	1.000	NO	5.774		0.918	5.77
18	13C-2,3,7,8-TCDF	1.55e5	1.22e5	0.75	NO	1.20	10.3011	27.86	27.88	1.024	1.024	NO	203.8	108	0.320	
19	13C-1,2,3,7,8-PeCDD	1.19e5	1.22e5	0.81	NO	0.80	10.3011	31.21	31.21	1.101	1.101	NO	218.7	114	0.606	
20	13C-1,2,3,4,7,8-HxCDD	8.71e4	1.39e5	1.38	NO	0.80	10.3011	34.70	34.68	1.015	1.014	NO	201.2	105	0.795	
21	13C-1,2,3,6,7,8-HxCDD	1.62e5	1.39e5	1.24	NO	0.87	10.3011	34.82	34.80	1.018	1.018	NO	209.3	109	0.707	
22	13C-1,2,3,7,8,9-HxCDD	1.80e5	1.39e5	1.25	NO	0.88	10.3011	35.13	35.11	1.027	1.027	NO	216.0	109	0.703	
23	13C-1,2,3,4,6,7,8-HpCDD	7.85e4	1.39e5	1.06	NO	0.58	10.3011	38.58	38.48	1.128	1.125	NO	194.7	101	1.15	
24	13C-OCDD	1.82e5	1.39e5	0.82	NO	0.50	10.3011	42.27	42.07	1.230	1.230	NO	285.2	74.1	1.24	
25	13C-2,3,7,8-TCDF	2.30e5	2.07e5	0.77	NO	1.03	10.3011	28.48	28.48	1.002	1.002	NO	208.0	108	0.312	
26	13C-1,2,3,7,8-PeCDF	1.83e5	2.07e5	1.03	NO	0.81	10.3011	30.88	30.88	1.139	1.130	NO	218.9	110	0.620	
27	13C-2,3,4,7,8-PeCDF	1.73e5	2.07e5	1.03	NO	0.75	10.3011	31.05	31.03	1.175	1.174	NO	214.1	111	0.667	
28	13C-1,2,3,4,7,8-HxCDF	1.44e5	1.39e5	0.49	NO	0.97	10.3011	33.70	33.69	0.988	0.985	NO	206.5	107	0.774	
29	13C-1,2,3,6,7,8-HxCDF	1.62e5	1.39e5	0.48	NO	1.00	10.3011	33.85	33.86	0.990	0.990	NO	206.7	107	0.890	
30	13C-2,3,4,6,7,8-HxCDF	1.37e5	1.39e5	0.50	NO	0.88	10.3011	34.58	34.57	1.011	1.011	NO	187.0	102	0.790	



Dataset: Untitled

Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_9, Date: 09-Apr-2021, Time: 15:02:46, ID: 2103219-01 USMPDI-068RAB-00-10-210311 12.58, Description: USMPDI-068RAB-00-10-210311





Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_5.qld

Last Altered: Friday, April 23, 2021 11:45:11 Pacific Daylight Time  
Printed: Friday, April 23, 2021 11:46:14 Pacific Daylight Time

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Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39  
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

#	Name	Resp	RA	ny	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD												0.0537	
2	2 1,2,3,7,8-PeCDD												0.0978	
3	3 1,2,3,4,7,8-HxCDD			NO	0.972	10.272	34.497			1.001			0.114	
4	4 1,2,3,6,7,8-HxCDD			NO	0.877	10.272	34.623			1.001			0.110	
5	5 1,2,3,7,8,9-HxCDD			NO	0.874	10.272	34.895			1.000			0.105	
6	6 1,2,3,4,6,7,8-HpCDD	1.02e3	1.12	NO	0.899	10.272	38.235	38.24	1.000	1.000	1.1785		0.0990	1.18
7	7 OCDD	4.68e3	0.82	NO	0.852	10.272	41.252	41.25	1.000	1.000	8.5233		0.221	8.52
8	8 2,3,7,8-TCDF												0.0553	
9	9 1,2,3,7,8-PeCDF												0.140	
10	10 2,3,4,7,8-PeCDF												0.119	
11	11 1,2,3,4,7,8-HxCDF			NO	0.920	10.272	33.555			1.000			0.0475	
12	12 1,2,3,6,7,8-HxCDF			NO	0.936	10.272	33.701			1.001			0.0454	
13	13 2,3,4,6,7,8-HxCDF			NO	0.973	10.272	34.393			1.001			0.0578	
14	14 1,2,3,7,8,9-HxCDF	5.52e1	2.17	YES	0.940	10.272	35.461	35.46	1.000	1.000	0.048344		0.0463	0.0349
15	15 1,2,3,4,6,7,8-HpCDF	1.85e2	1.04	NO	1.05	10.272	37.066	37.07	1.000	1.001	0.19054		0.0355	0.191
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.05	10.272	38.895			1.000			0.0478	
17	17 OCDF	1.41e2	0.56	YES	0.771	10.272	41.587	41.58	1.000	1.000	0.23055		0.0860	0.175
18	18 13C-2,3,7,8-TCDD	3.54e5	0.79	NO	1.10	10.272	26.746	26.75	1.027	1.027	169.02	86.8	0.147	
19	19 13C-1,2,3,7,8-PeCDD	2.89e5	0.62	NO	0.864	10.272	31.139	31.15	1.196	1.196	176.48	90.6	0.289	
20	20 13C-1,2,3,4,7,8-HxCDD	2.06e5	1.29	NO	0.746	10.272	34.474	34.48	1.014	1.014	165.93	85.2	0.518	
21	21 13C-1,2,3,6,7,8-HxCDD	2.24e5	1.23	NO	0.847	10.272	34.593	34.60	1.017	1.018	159.15	81.7	0.457	
22	22 13C-1,2,3,7,8,9-HxCDD	2.47e5	1.24	NO	0.868	10.272	34.893	34.88	1.026	1.026	171.31	88.0	0.445	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.87e5	1.05	NO	0.664	10.272	38.242	38.22	1.125	1.124	169.23	86.9	1.20	
24	24 13C-OCDD	2.51e5	0.88	NO	0.561	10.272	41.190	41.24	1.211	1.213	268.97	69.1	0.893	
25	25 13C-2,3,7,8-TCDF	6.07e5	0.79	NO	1.09	10.272	26.134	26.13	1.003	1.003	205.76	106	0.276	
26	26 13C-1,2,3,7,8-PeCDF	4.19e5	1.59	NO	0.809	10.272	29.866	29.96	1.147	1.150	191.71	98.5	0.623	
27	27 13C-2,3,4,7,8-PeCDF	4.16e5	1.62	NO	0.803	10.272	30.829	30.97	1.184	1.189	191.86	98.5	0.628	
28	28 13C-1,2,3,4,7,8-HxCDF	3.21e5	0.51	NO	1.01	10.272	33.546	33.54	0.987	0.986	190.79	98.0	0.642	
29	29 13C-1,2,3,6,7,8-HxCDF	3.41e5	0.52	NO	1.07	10.272	33.675	33.68	0.990	0.990	191.27	98.2	0.605	
30	30 13C-2,3,4,6,7,8-HxCDF	2.68e5	0.51	NO	0.910	10.272	34.365	34.37	1.011	1.011	177.29	91.1	0.714	

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_5.qld

Last Altered: Friday, April 23, 2021 11:45:11 Pacific Daylight Time

Printed: Friday, April 23, 2021 11:46:14 Pacific Daylight Time

Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	2.32e5	0.49	NO	0.828	10.272	35.443	35.45	1.042	1.042	168.28	86.4	0.784	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.80e5	0.43	NO	0.661	10.272	37.052	37.05	1.090	1.089	164.17	84.3	0.876	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.60e5	0.42	NO	0.566	10.272	38.813	38.88	1.141	1.143	170.51	87.6	1.02	
34	34 13C-OCDF	3.09e5	0.88	NO	0.663	10.272	41.578	41.58	1.223	1.223	280.45	72.0	0.624	
35	35 37Cl-2,3,7,8-TCDD	3.56e5			2.07	10.272	26.946	26.77	1.035	1.028	90.688	116	0.0359	
36	36 13C-1,2,3,4-TCDD	3.69e5	0.79	NO	1.00	10.272	26.070	26.05	1.000	1.000	194.70	100	0.163	
37	37 13C-1,2,3,4-TCDF	5.25e5	0.80	NO	1.00	10.272	24.760	24.73	1.000	1.000	194.70	100	0.302	
38	38 13C-1,2,3,4,6,9-HxCDF	3.24e5	0.50	NO	1.00	10.272	34.040	34.01	1.000	1.000	194.70	100	0.649	
39	39 Total Tetra-Dioxins				0.929	10.272	24.620		0.000				0.0304	
40	40 Total Penta-Dioxins				0.826	10.272	29.960		0.000		0.00000		0.0414	0.167
41	41 Total Hexa-Dioxins				0.877	10.272	33.635		0.000		0.38258		0.0635	0.769
42	42 Total Hepta-Dioxins				0.899	10.272	37.640		0.000		2.3620		0.0990	2.36
43	43 Total Tetra-Furans				0.747	10.272	23.610		0.000				0.0324	
44	44 1st Func. Penta-Furans				0.877	10.272	26.930		0.000				0.00987	
45	45 Total Penta-Furans				0.877	10.272	29.275		0.000				0.0548	
46	46 Total Hexa-Furans				0.973	10.272	33.555		0.000		0.076480		0.0320	0.111
47	47 Total Hepta-Furans				1.05	10.272	37.835		0.000		0.19054		0.0354	0.191

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_5.qld

Last Altered: Friday, April 23, 2021 11:45:11 Pacific Daylight Time  
 Printed: Friday, April 23, 2021 11:46:14 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39  
 Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

**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	Total Penta-Dioxins	31.59	1.467e3	6.473e3	7.892e1	2.442e2	0.32	YES	0.000e0	0.00000	0.16655	0.0978

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.78	5.423e3	5.604e3	2.147e2	1.741e2	1.23	NO	3.888e2	0.38258	0.38258	0.0635
2	Total Hexa-Dioxins	33.70	4.583e3	2.704e3	2.883e2	1.754e2	1.64	YES	0.000e0	0.00000	0.38661	0.0635

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.37	9.861e3	9.627e3	5.062e2	5.142e2	0.98	NO	1.020e3	1.1835	1.1835	0.0990
2	1,2,3,4,6,7,8-HpCDD	38.24	1.028e4	1.137e4	5.365e2	4.795e2	1.12	NO	1.016e3	1.1785	1.1785	0.0990

**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:\VG12.PRO\Results\210419R2\210419R2\_5.qld

Last Altered: Friday, April 23, 2021 11:45:11 Pacific Daylight Time

Printed: Friday, April 23, 2021 11:46:14 Pacific Daylight Time

Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

**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	Total Hexa-Furans	32.39	1.591e3	1.333e3	6.147e1	4.945e1	1.24	NO	1.109e2	0.076480	0.076480	0.0320
2	1,2,3,7,8,9-HxCDF	35.46	1.451e3	5.610e2	3.774e1	1.743e1	2.17	YES	5.517e1	0.00000	0.034919	0.0463

**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	37.07	1.880e3	2.055e3	9.414e1	9.079e1	1.04	NO	1.849e2	0.19054	0.19054	0.0355

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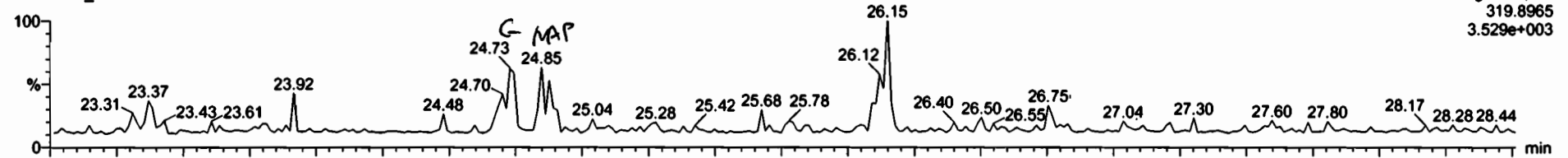
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

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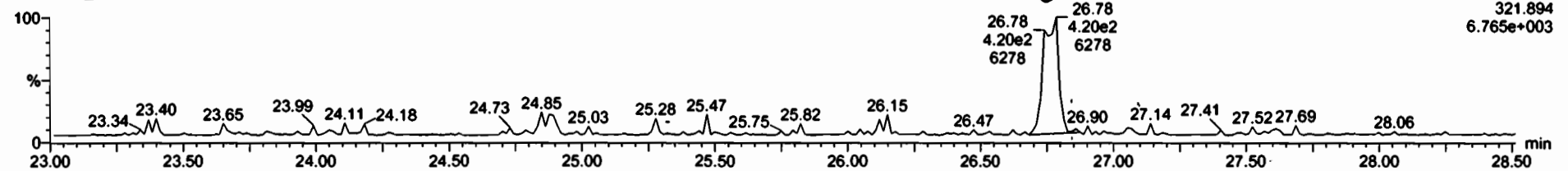
Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

2,3,7,8-TCDD

210419R2\_5

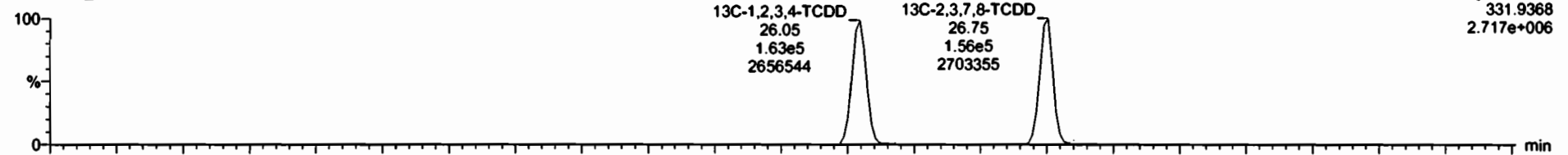


210419R2\_5

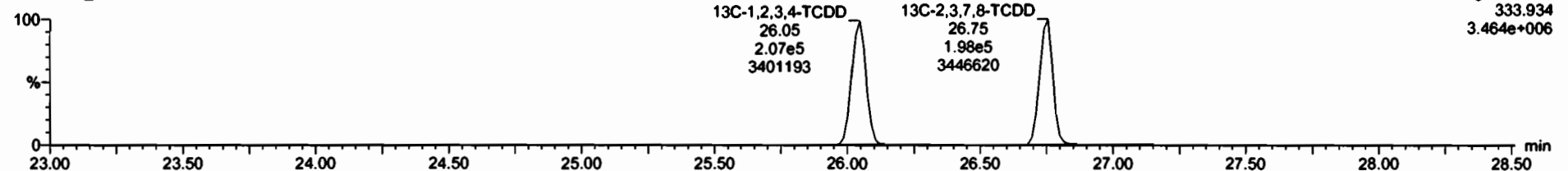


13C-2,3,7,8-TCDD

210419R2\_5



210419R2\_5



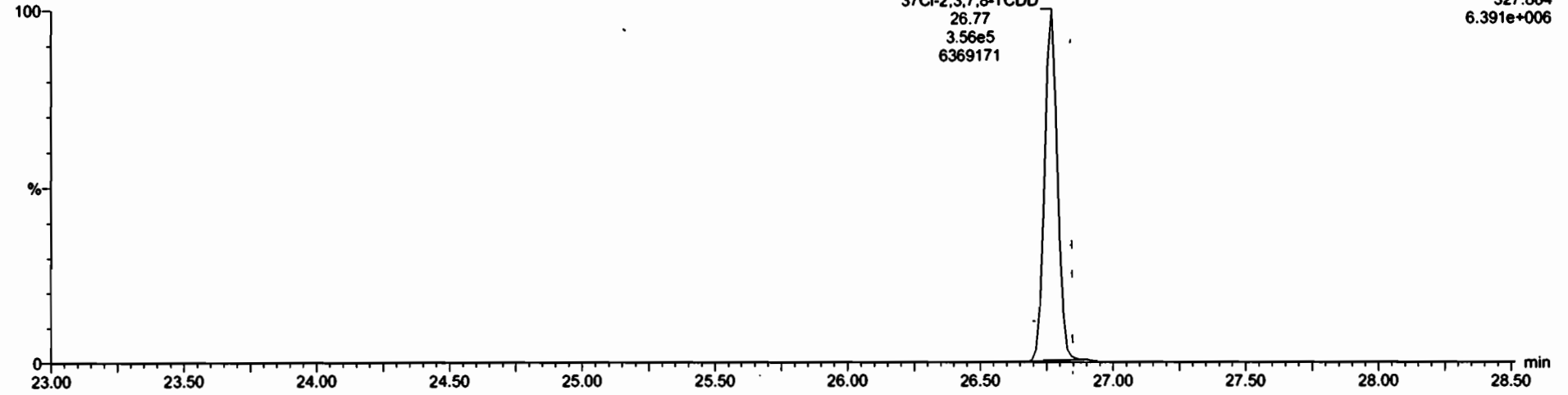
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

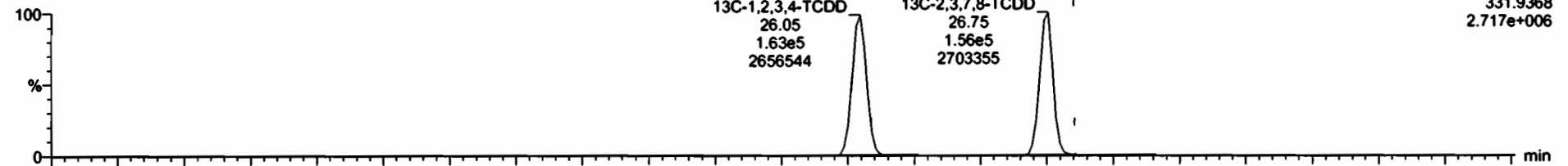
**37Cl-2,3,7,8-TCDD**

210419R2\_5

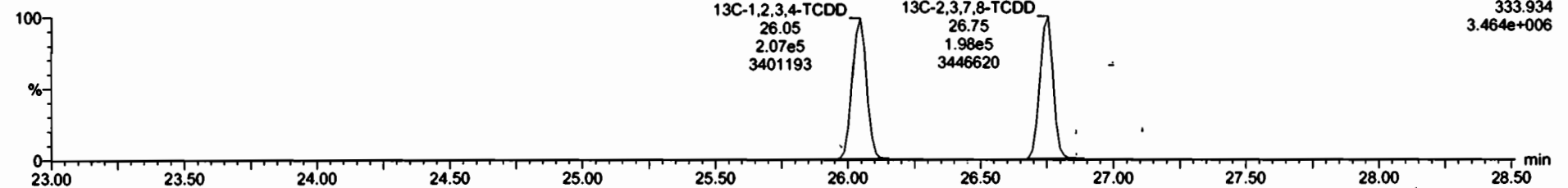


**13C-1,2,3,4-TCDD**

210419R2\_5



210419R2\_5



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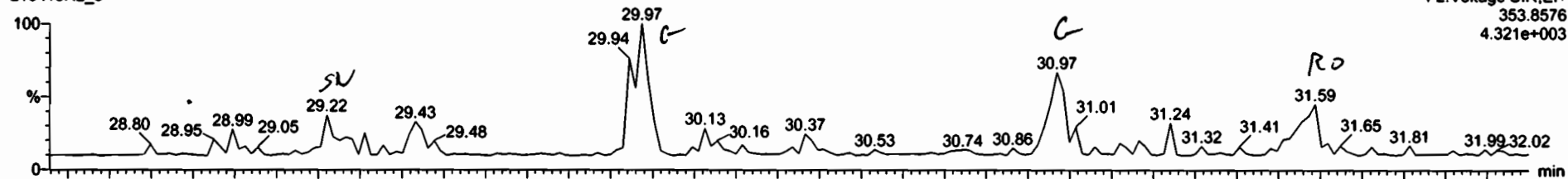
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Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

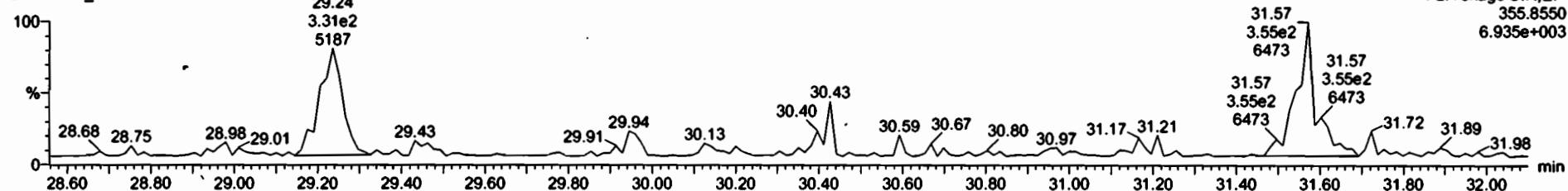
1,2,3,7,8-PeCDD

210419R2\_5



F2:Voltage SIR,EI+  
353.8576  
4.321e+003

210419R2\_5



F2:Voltage SIR,EI+  
355.8550  
6.935e+003

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

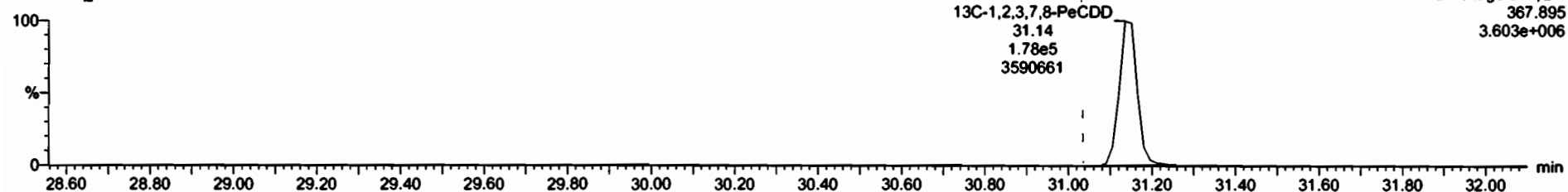
210419R2\_5



13C-1,2,3,7,8-PeCDD  
31.15  
1.11e5  
2267168

F2:Voltage SIR,EI+  
365.8978  
2.276e+006

210419R2\_5

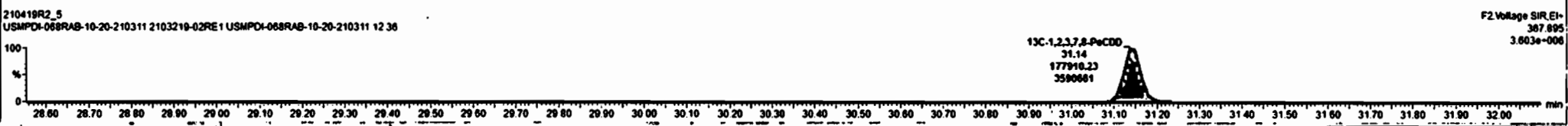
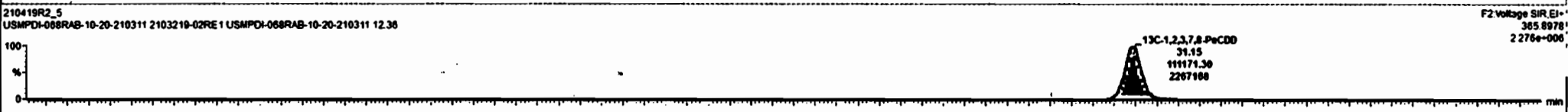
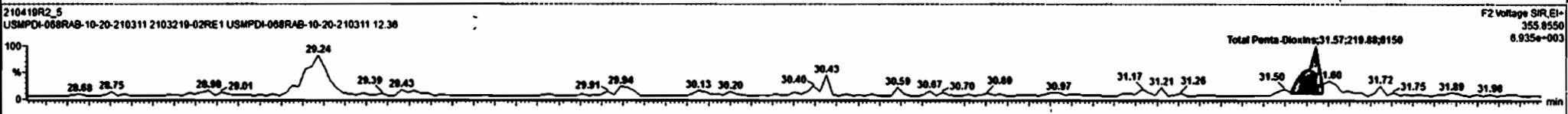
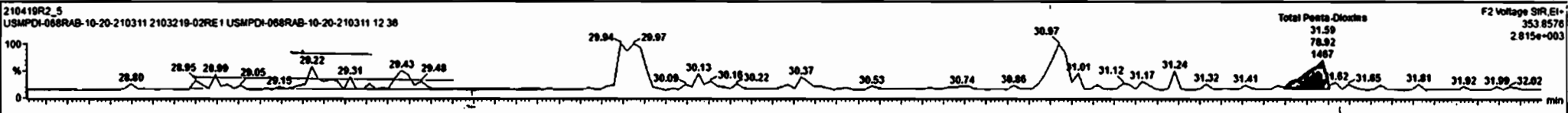


13C-1,2,3,7,8-PeCDD  
31.14  
1.78e5  
3590661

F2:Voltage SIR,EI+  
367.895  
3.603e+006

Name	Resp	RA	n1	RRF	wt%	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxine				0.8257	10.272			0.000		0.0414	0.167
41 Total Hexa-Dioxine				0.8771	10.272					0.0635	
42 Total Hepta-Dioxine				0.8867	10.272			2.36		0.0090	2.36
43 Total Tetra-Furans				0.7485	10.272					0.0324	
44 1st Func. Penta-Furans				0.8771	10.272					0.00987	
45 Total Penta-Furans				0.8771	10.272					0.0548	
46 Total Hexa-Furans				0.9725	10.272					0.0320	
47 Total Hepta-Furans				1.0461	10.272					0.0354	

Name	RT	n1 Resp	n2 Resp	RA	n1	EMPC	Conc.
1 Total Penta-Dioxine	31.59	7.882e1	2.199e2	0.38	YES	0.10655	0.00000





Dataset: Untitled

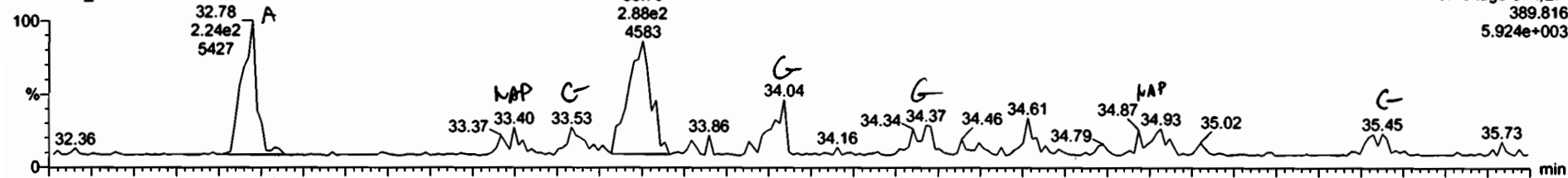
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

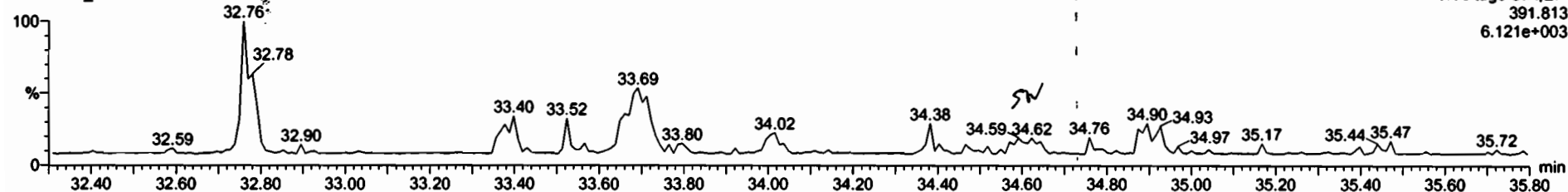
Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

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

210419R2\_5

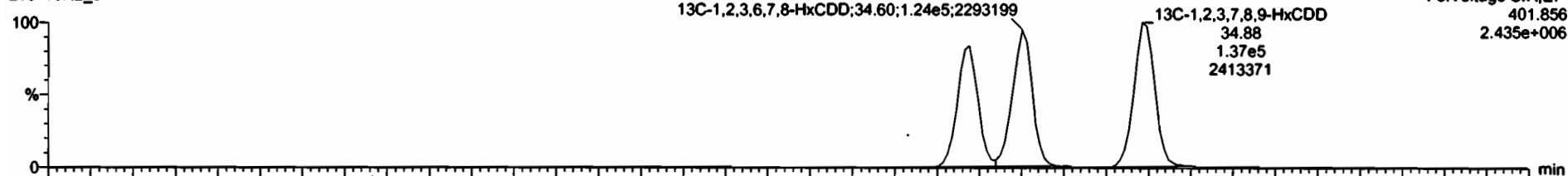


210419R2\_5

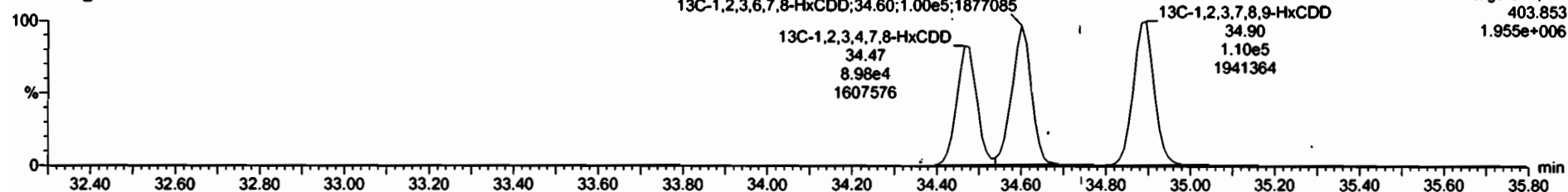


13C-1,2,3,4,7,8-HxCDD

210419R2\_5

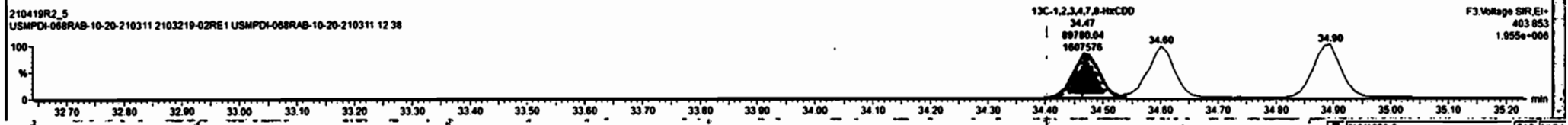
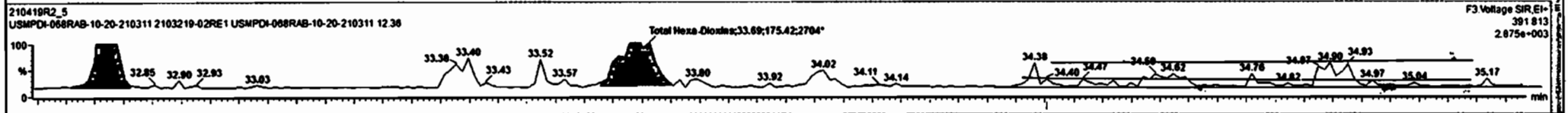
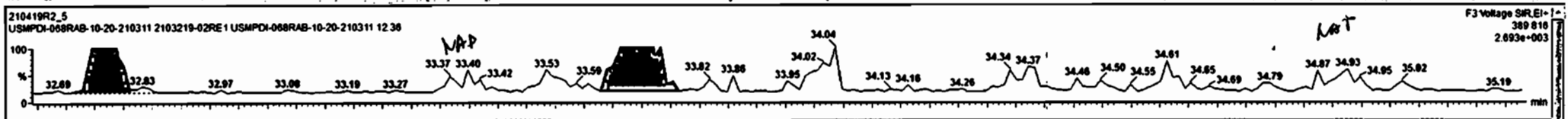


210419R2\_5



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8257	10.272			0.900		0.8414	0.167
41 Total Hexa-Dioxins				0.8771	10.272			0.363		0.8635	0.768
42 Total Hepta-Dioxins				0.8867	10.272			2.36		0.8990	2.36
43 Total Tetra-Furans				0.7486	10.272					0.8324	
44 1st Func. Penta-Furans				0.8771	10.272					0.90987	
45 Total Penta-Furans				0.8771	10.272					0.9548	
46 Total Hexa-Furans				0.9725	10.272					0.9320	
47 Total Hepta-Furans				1.0481	10.272					0.9354	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.79	2.863e2	1.715e2	1.88	YES	0.37789	0.00000
2 Total Hexa-Dioxins	32.78	2.147e2	1.741e2	1.23	NO	0.38258	0.38258



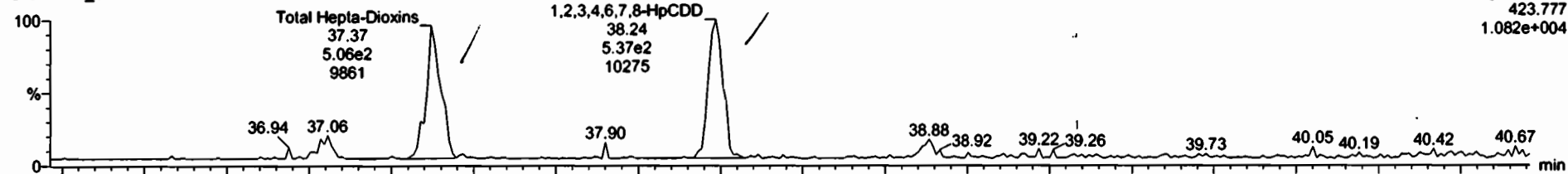
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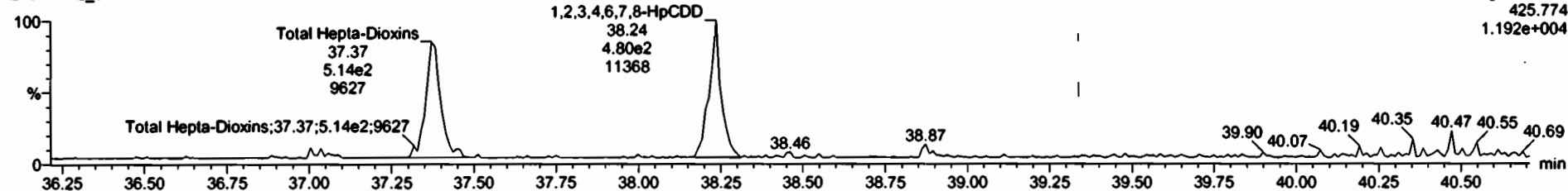
Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

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

210419R2\_5

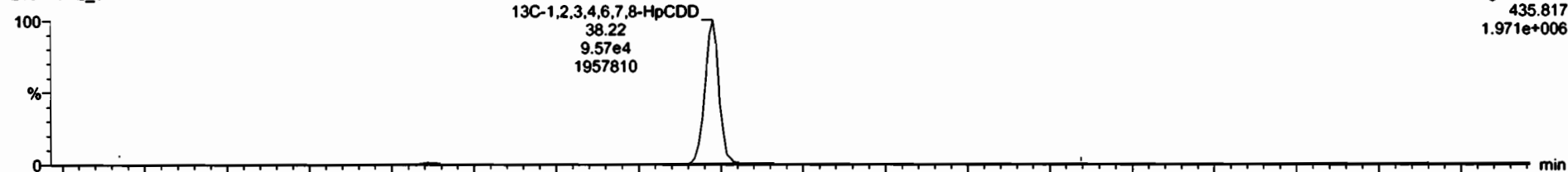


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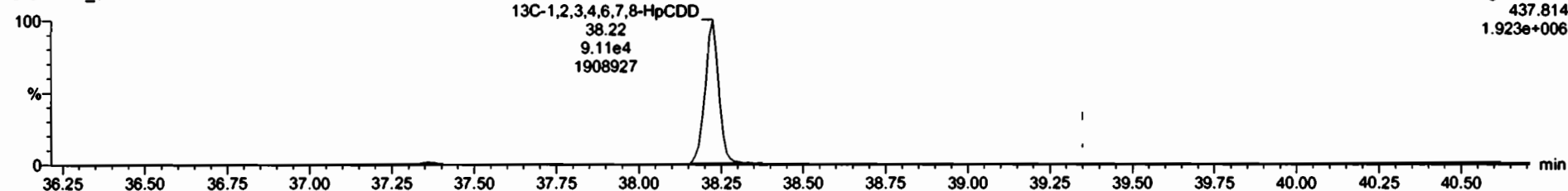


13C-1,2,3,4,6,7,8-HpCDD

210419R2\_5



210419R2\_5



Dataset: Untitled

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Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

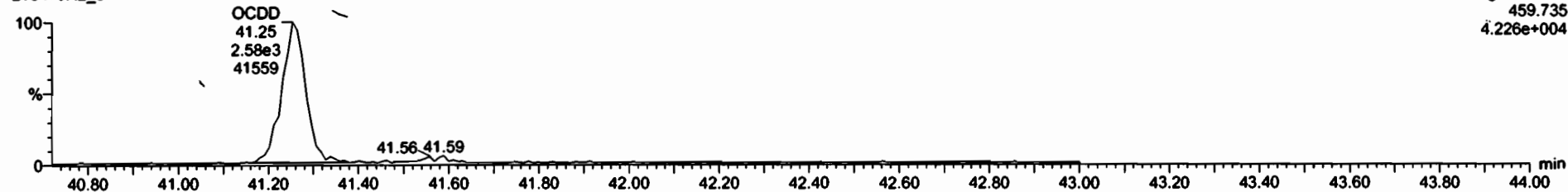
OCDD

210419R2\_5



F5:Voltage SIR,EI+  
457.738  
3.502e+004

210419R2\_5



F5:Voltage SIR,EI+  
459.735  
4.226e+004

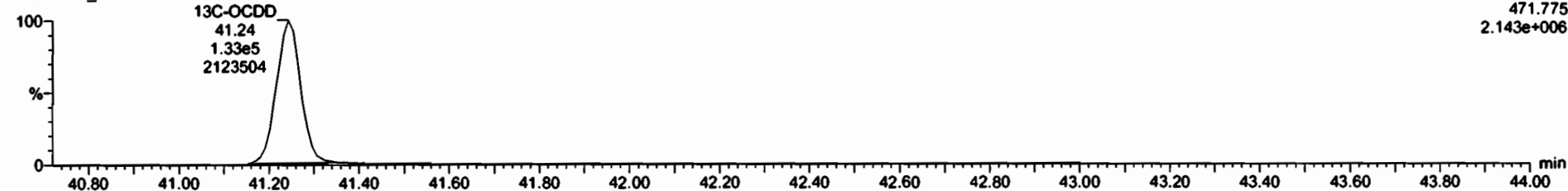
13C-OCDD

210419R2\_5



F5:Voltage SIR,EI+  
469.778  
1.848e+006

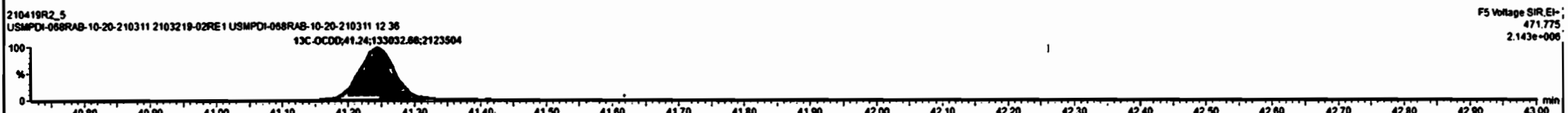
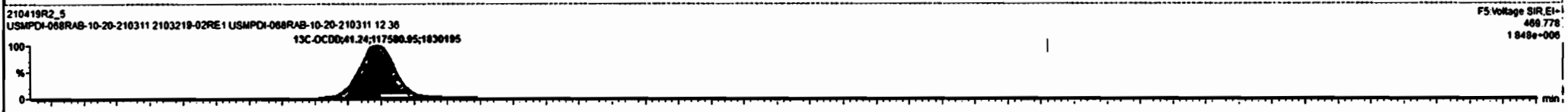
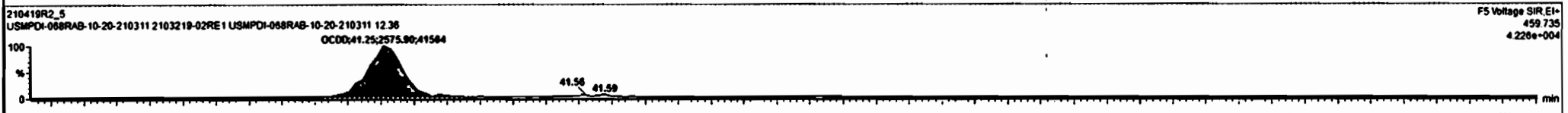
210419R2\_5



F5:Voltage SIR,EI+  
471.775  
2.143e+006

#	Name	Resp	RA	nly	RPF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	4.00e3	0.82	NO	0.8524	10.272	41.25	1.600	0.52		0.221	0.52
8	2,3,7,8-TCDF			NO	0.7466	10.272					0.0553	
9	1,2,3,7,8-PeCDF			NO	0.8771	10.272					0.140	
10	2,3,4,7,8-PeCDF			NO	0.9521	10.272					0.119	
11	1,2,3,4,7,8-HxCDF			NO	0.9202	10.272					0.0475	
12	1,2,3,6,7,8-HxCDF			NO	0.9363	10.272					0.0454	
13	2,3,4,6,7,8-HxCDF			NO	0.9725	10.272					0.0576	
14	1,2,3,7,8,9-HxCDF			NO	0.9396	10.272					0.0773	

#	Name	RT1	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1								



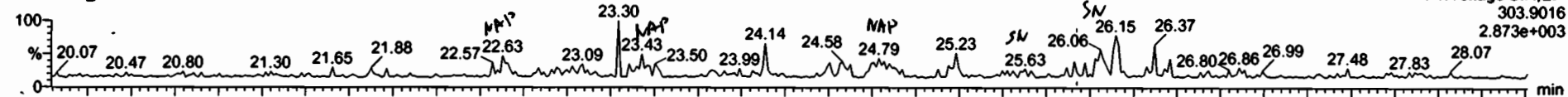
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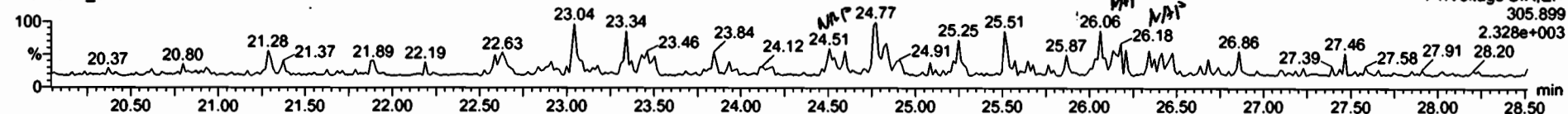
Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

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

210419R2\_5

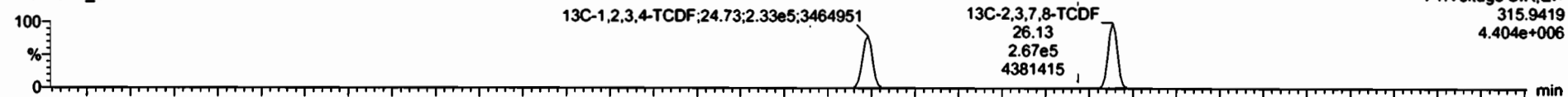


210419R2\_5

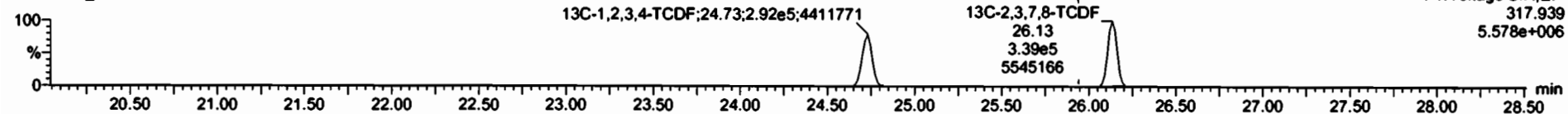


**13C-2,3,7,8-TCDF**

210419R2\_5

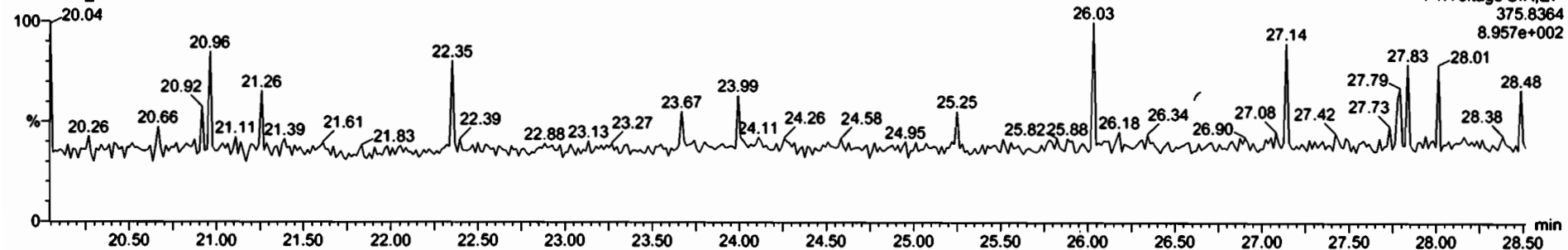


210419R2\_5



**DPE1**

210419R2\_5



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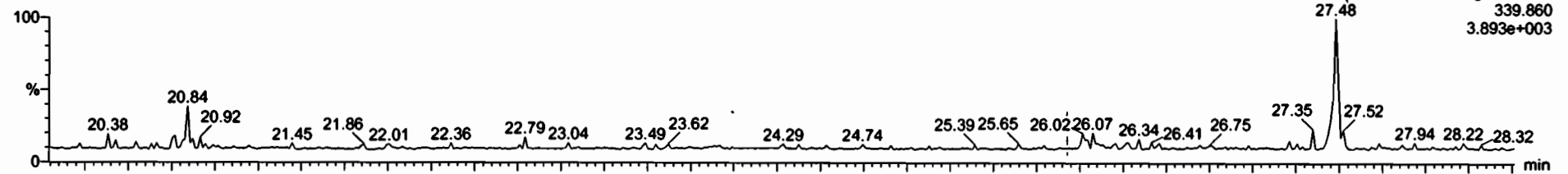
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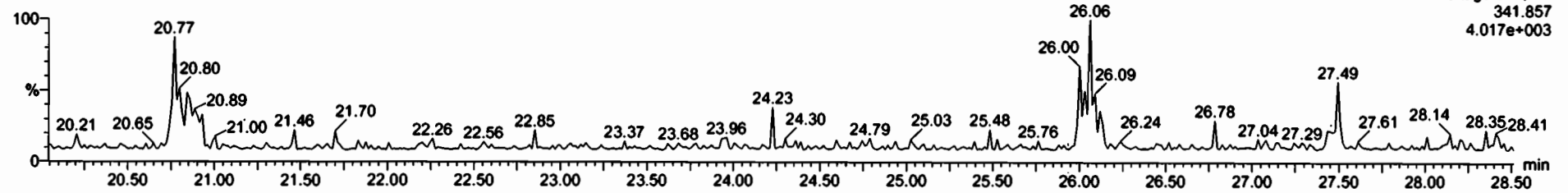
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1st Func. Penta-Furans

210419R2\_5

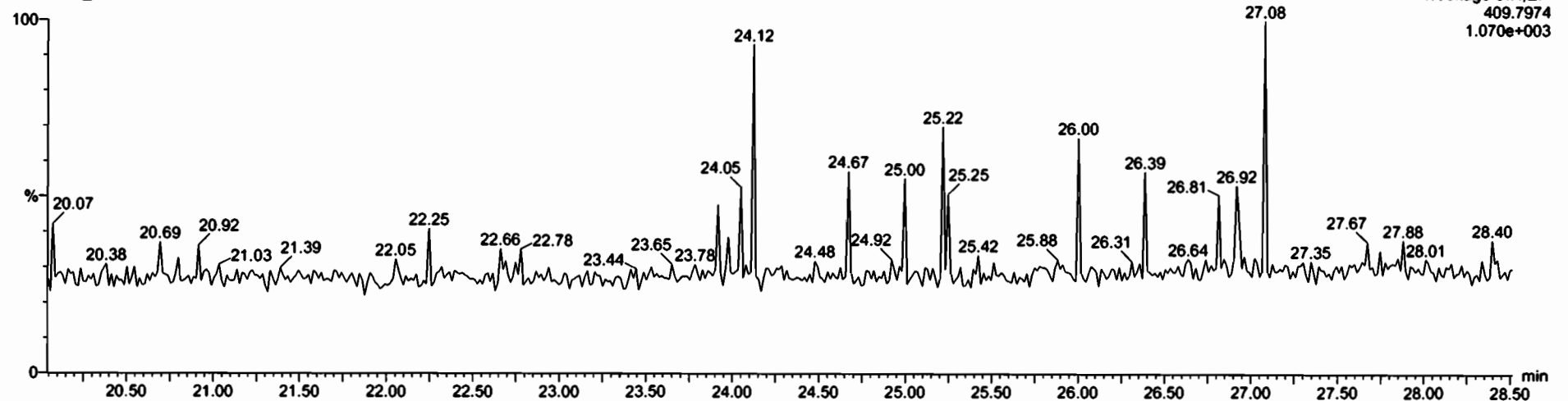


210419R2\_5



DPE6

210419R2\_5



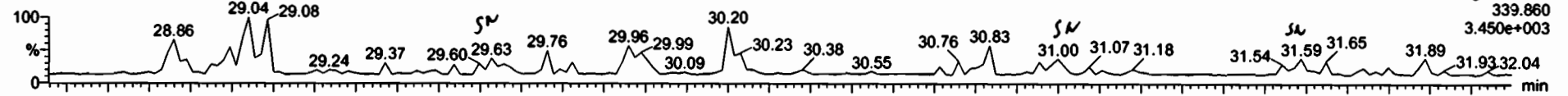
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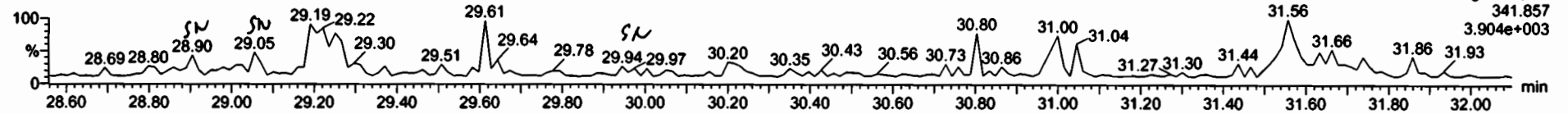
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1,2,3,7,8-PeCDF

210419R2\_5



210419R2\_5

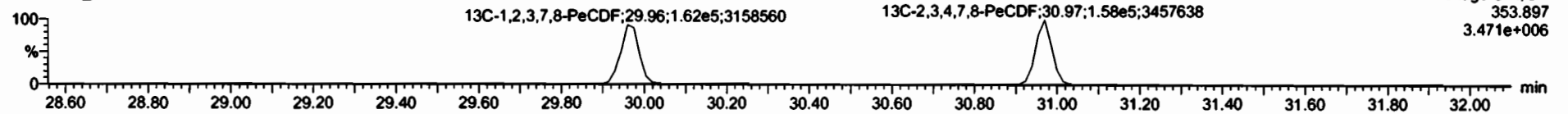


13C-1,2,3,7,8-PeCDF

210419R2\_5

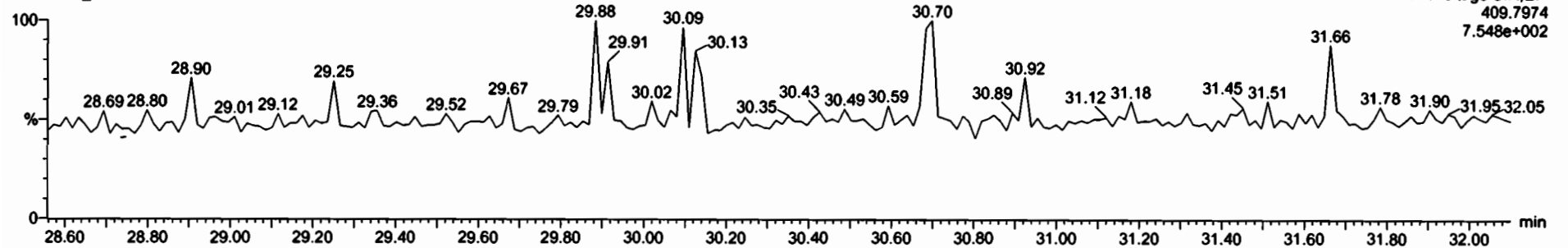


210419R2\_5



DPE2

210419R2\_5

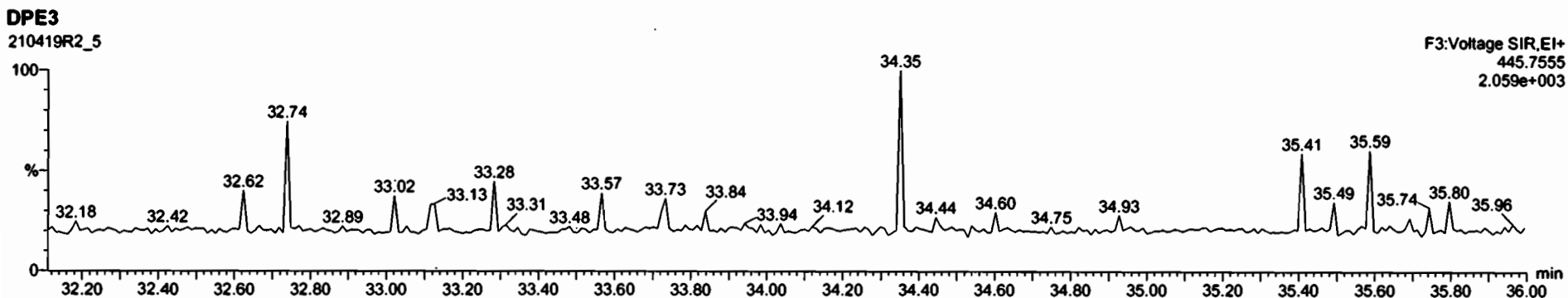
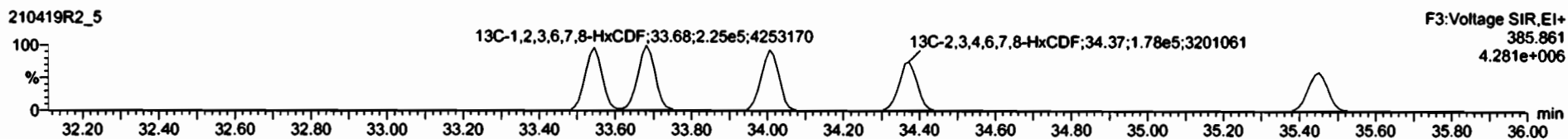
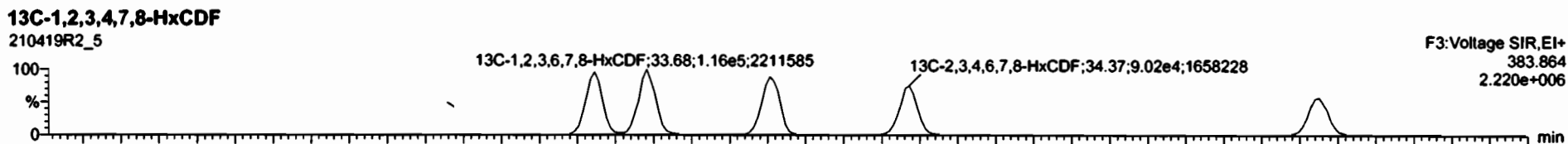
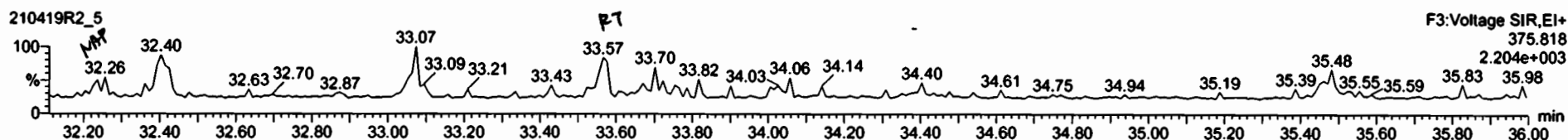
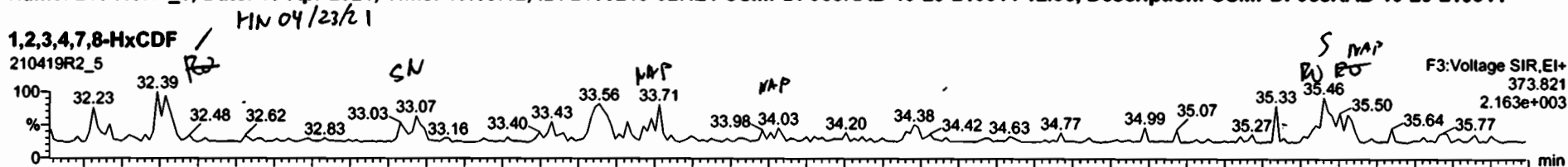




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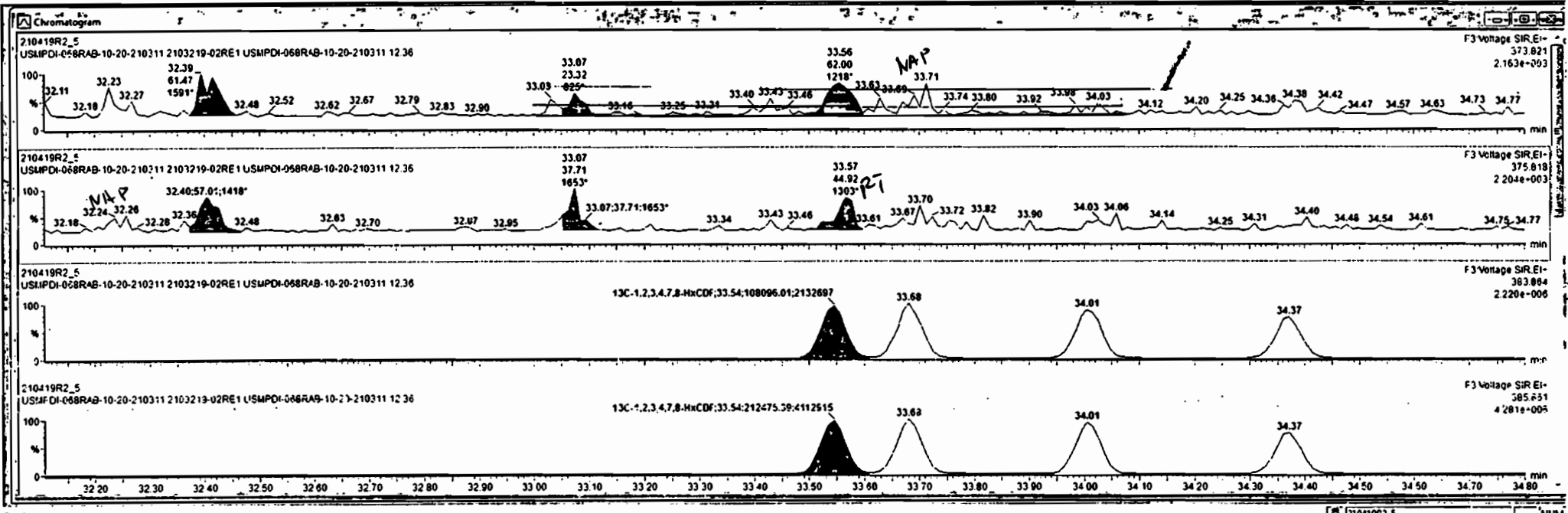
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311



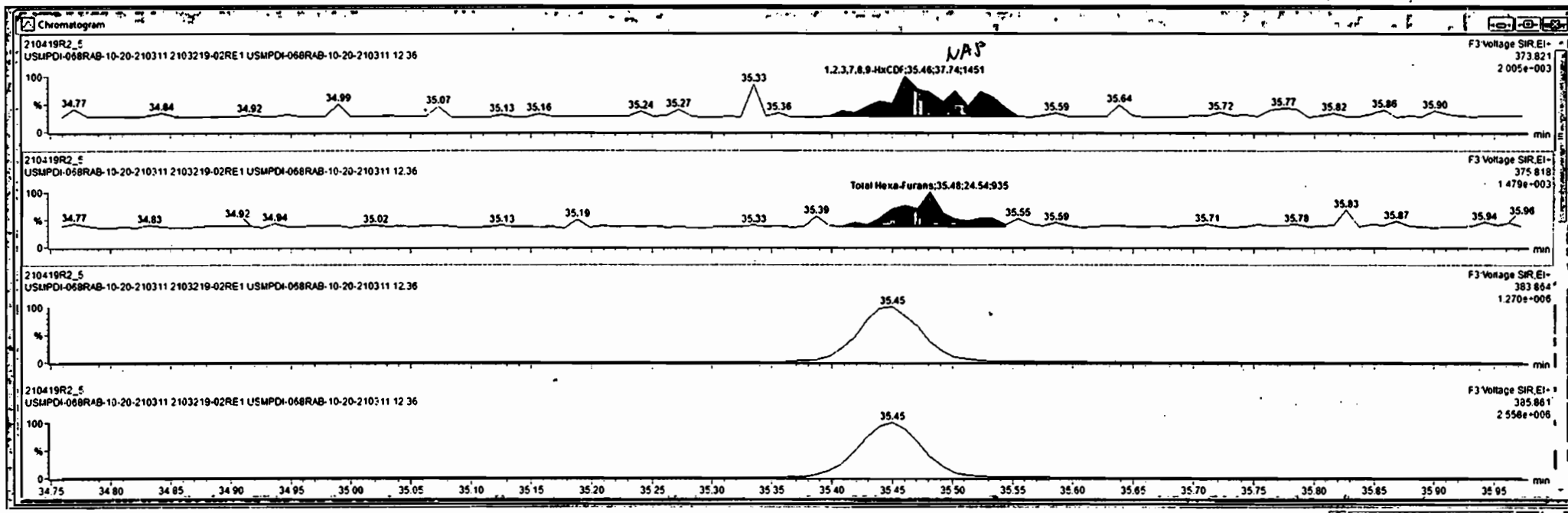
Name	Resp	RA	nly	R/R	w/w	RT	RR	Conc	%Rec	DL	EMPC
46	Total Hexa-Furans			0.9725	10.272					0.0320	
47	Total Hepta-Furans			1.0451	10.272					0.0254	
48	PFK1										
49	PFK2										

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1							



Name	Resp	RA	ny	RDF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
46	Total Hexa-Furans			0.9725	10.272			0.0785		0.0320	0.149
47	Total Hepta-Furans			1.9451	10.272					0.0354	
48	PFK1										
49	PFK2										

Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc
1	Total Hexa-Furans	32.59	6.147e1	4.945e1	1.24	NO	0.078480
2	1,2,3,7,8,9-HxCDF	35.46	3.774e1	1.743e1	2.17	YES	0.034919
3	Total Hexa-Furans	35.47	5.179e1	2.454e1	2.11	YES	0.037906



Dataset: Untitled

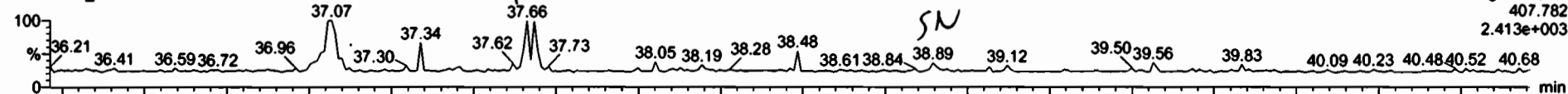
Last Altered: Tuesday, April 20, 2021 11:07:50 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

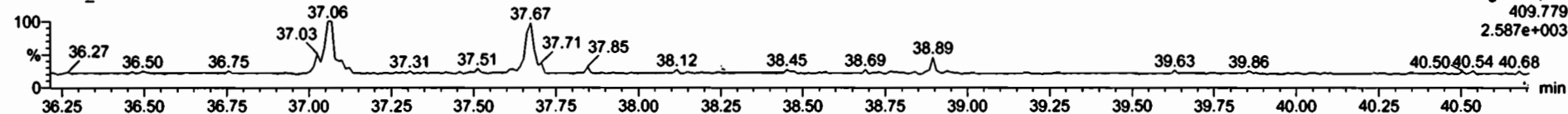
Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

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

210419R2\_5

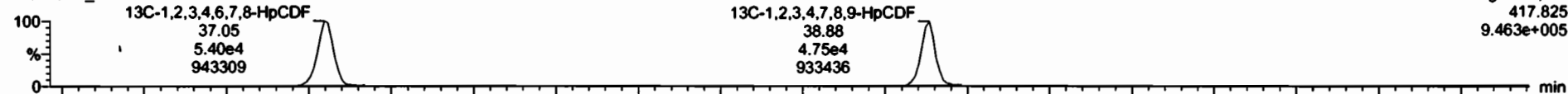


210419R2\_5

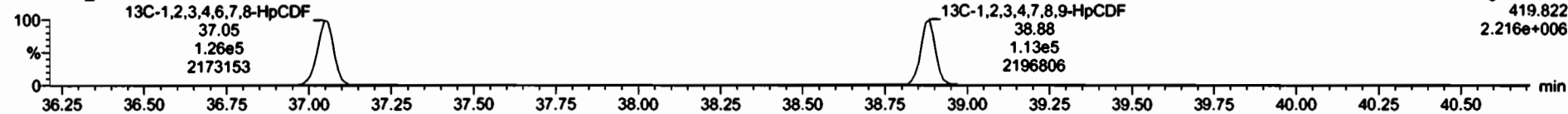


**13C-1,2,3,4,6,7,8-HpCDF**

210419R2\_5

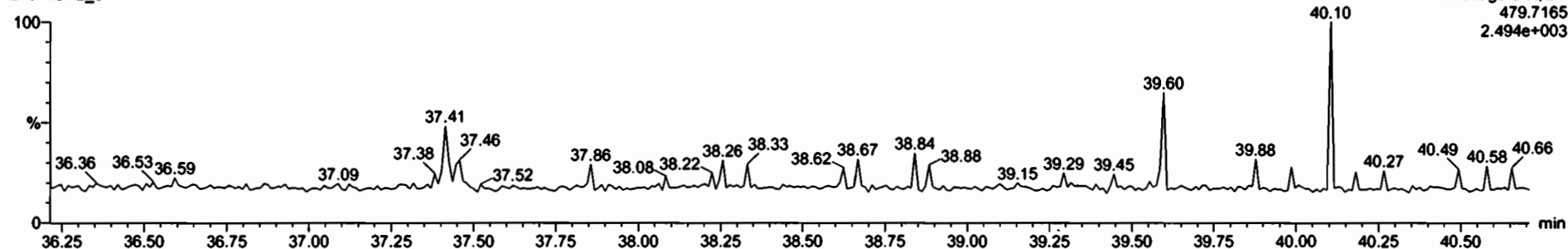


210419R2\_5



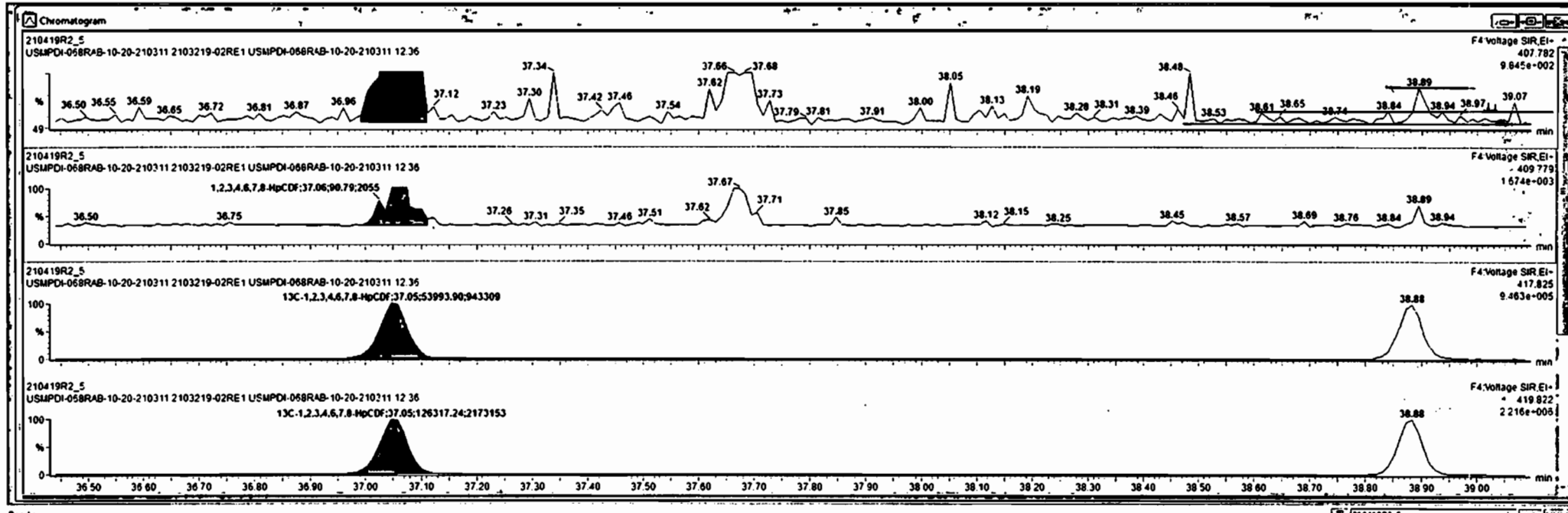
**DPE4**

210419R2\_5



Name	Resp	RL	n/y	RRF	wt/Vol	RT	ART	Conc	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9725	10.272			0.0785		0.0325	0.111
47 Total Hepta-Furans				1.0481	10.272			0.191		0.0354	0.191
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 1,2,3,4,6,7,8-MpCDF	37.67	9.414e1	9.679e1	1.24	N/O	0.19054	9.19254



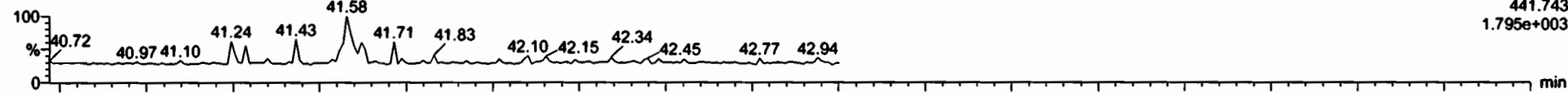
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Last Altered: Tuesday, April 20, 2021 11:07:50 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

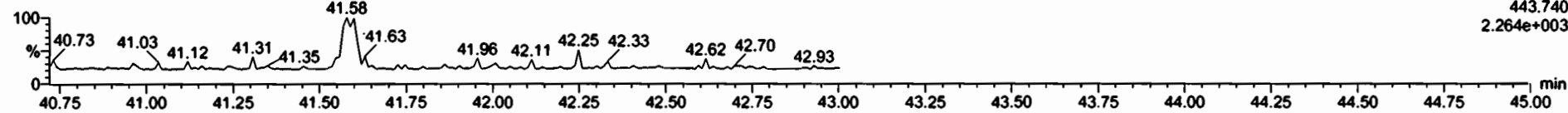
Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

OCDF

210419R2\_5

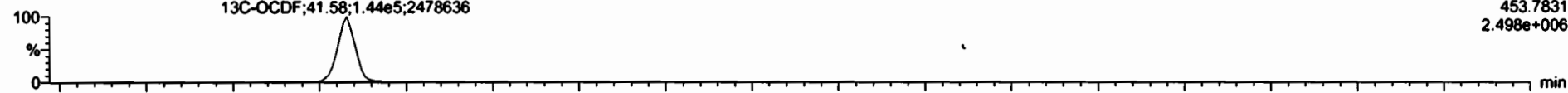


210419R2\_5

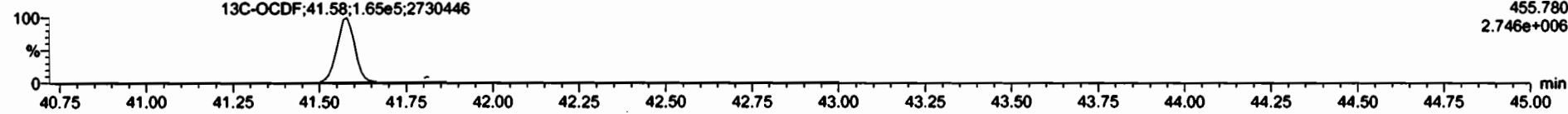


13C-OCDF

210419R2\_5

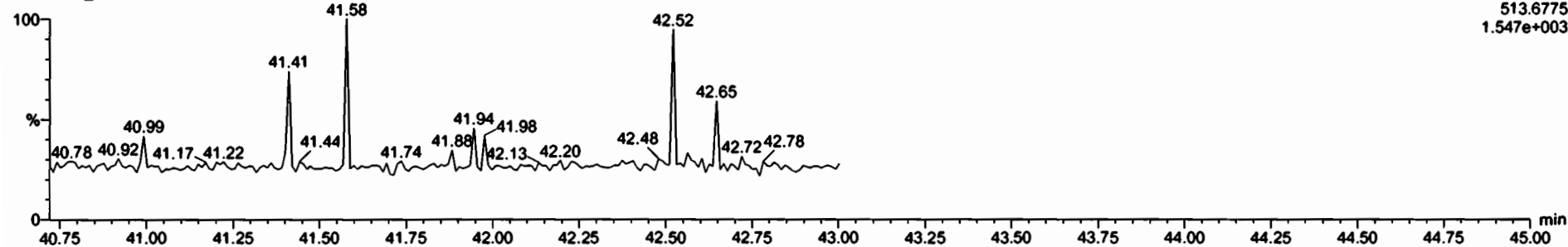


210419R2\_5



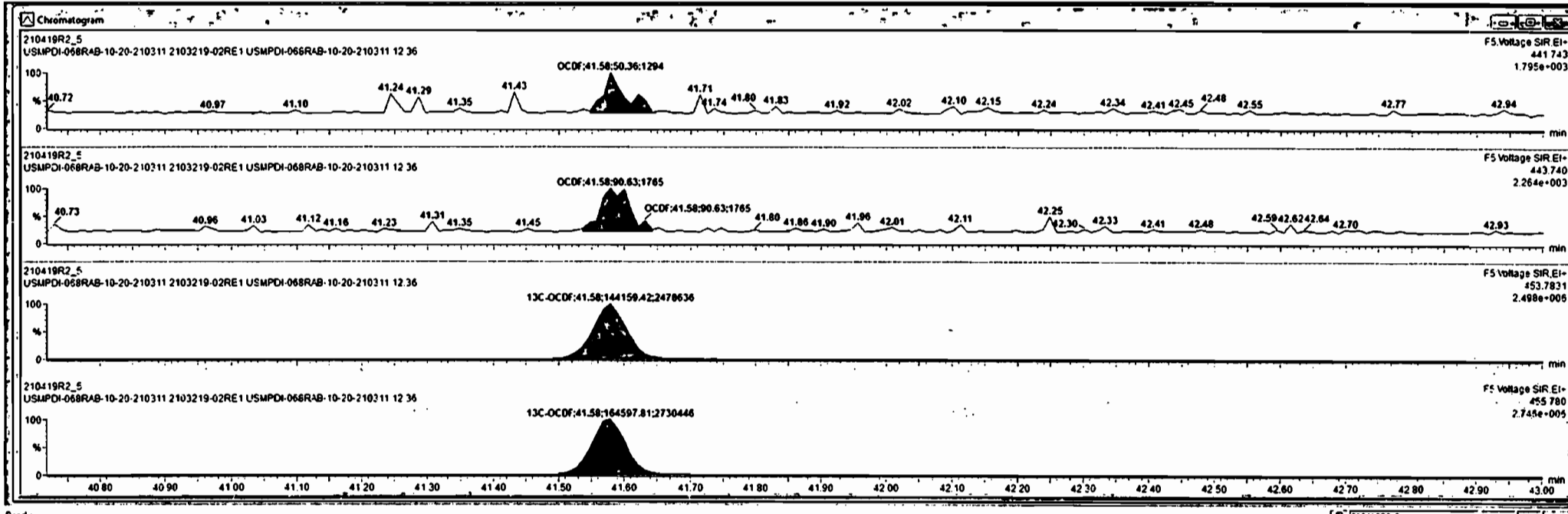
DPE5

210419R2\_5



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
17 OCF	1.41e2	0.58	YES	0.7712	10.272	41.58	1.000	0.231		0.0880	0.175
18 13C-2,3,7,8-TCDD	3.54e5	0.79	NO	1.1040	10.272	26.75	1.027	169	96.8	0.147	
19 13C-1,2,3,7,8-PeCDD	2.89e5	0.62	NO	0.8635	10.272	31.15	1.196	176	90.9	0.289	
20 13C-1,2,3,4,7,8-HxCDD	2.06e5	1.29	NO	0.7461	10.272	34.48	1.014	166	85.2	0.516	

Name	RT	ms Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



Dataset: Untitled

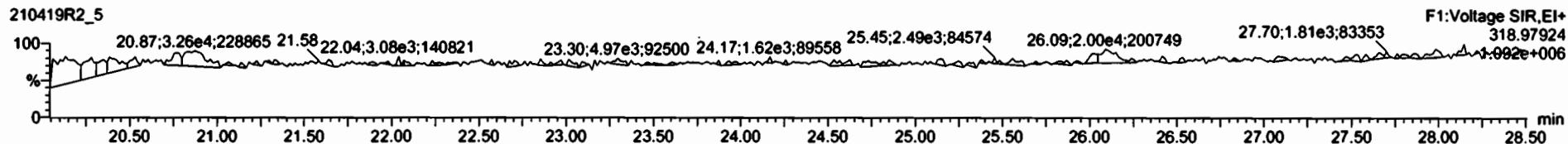
Last Altered: Tuesday, April 20, 2021 11:07:50 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

Name: 210419R2\_5, Date: 19-Apr-2021, Time: 19:39:12, ID: 2103219-02RE1 USMPDI-068RAB-10-20-210311 12.36, Description: USMPDI-068RAB-10-20-210311

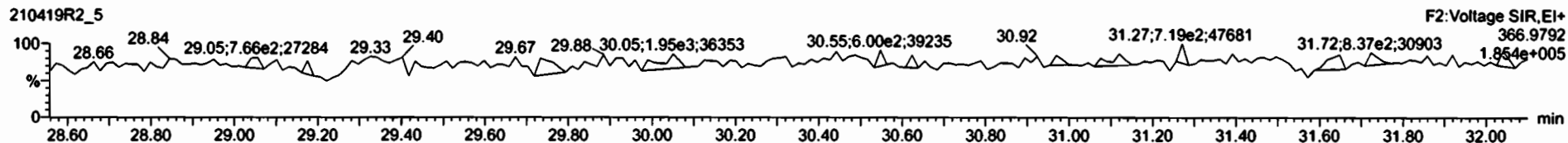
PFK1

210419R2\_5



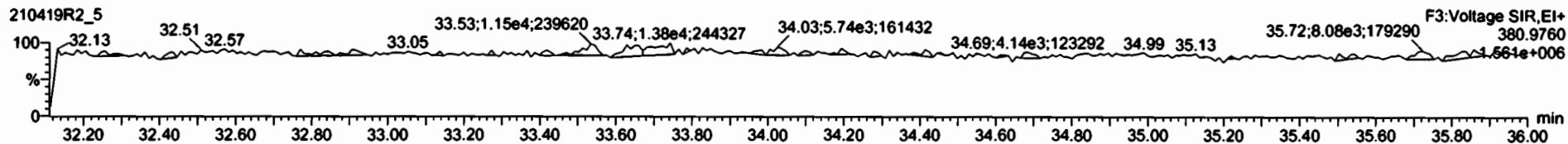
PFK2

210419R2\_5



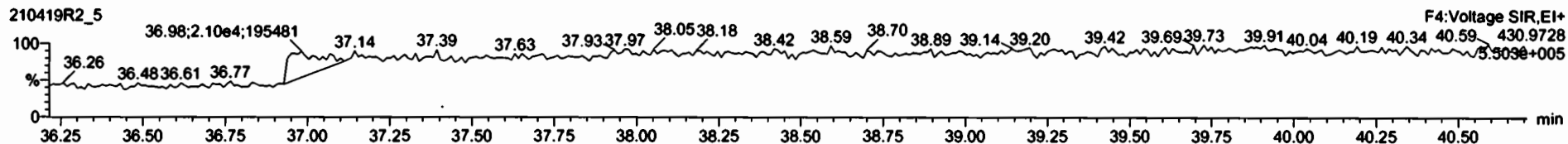
PFK3

210419R2\_5



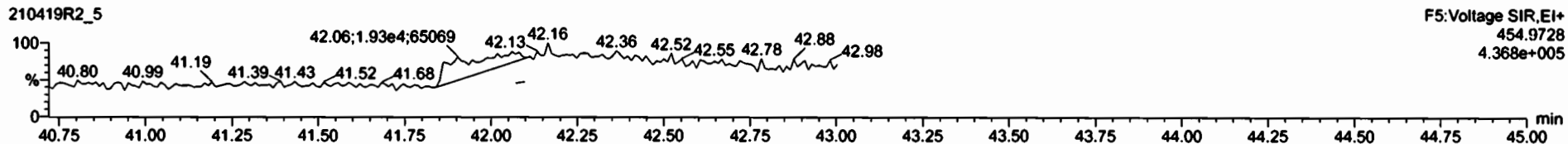
PFK4

210419R2\_5



PFK5

210419R2\_5





Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Wednesday, April 28, 2021 11:18:53 AM Pacific Daylight Time  
Printed: Wednesday, April 28, 2021 11:19:31 AM Pacific Daylight Time

HN 04/28/21

\* 11.3109

CT 05/03/21

Method: Untitled 16 Apr 2021 14:01:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, 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	0.929	13.610 *	26.787		1.001				0.0598	
2	2 1,2,3,7,8-PeCDD			NO	0.826	13.610	31.181		1.001				0.0891	
3	3 1,2,3,4,7,8-HxCDD			NO	0.972	13.610	34.508		1.001				0.0946	
4	4 1,2,3,6,7,8-HxCDD			NO	0.877	13.610	34.633		1.001				0.100	
5	5 1,2,3,7,8,9-HxCDD			NO	0.874	13.610	34.916		1.000				0.0943	
6	6 1,2,3,4,6,7,8-HpCDD	9.57e2	0.96	NO	0.899	13.610	38.257	38.27	1.000	1.001	1.0151		0.0996	1.02
7	7 OCDD	5.22e3	0.89	NO	0.852	13.610	41.314	41.32	1.000	1.000	8.8088		0.209	8.81
8	8 2,3,7,8-TCDF			NO	0.747	13.610	26.152		1.000				0.0414	
9	9 1,2,3,7,8-PeCDF			NO	0.877	13.610	29.978		1.000				0.0748	
10	10 2,3,4,7,8-PeCDF			NO	0.962	13.610	30.991		1.001				0.0732	
11	11 1,2,3,4,7,8-HxCDF			NO	0.920	13.610	33.555		1.000				0.0413	
12	12 1,2,3,6,7,8-HxCDF			NO	0.936	13.610	33.711		1.001				0.0429	
13	13 2,3,4,6,7,8-HxCDF			NO	0.973	13.610	34.403		1.001				0.0433	
14	14 1,2,3,7,8,9-HxCDF	4.15e1	0.55	YES	0.940	13.610	35.471	35.47	1.000	1.000	0.029936		0.0363	0.0192
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.05	13.610	37.087		1.000				0.0505	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.05	13.610	38.917		1.000				0.0586	
17	17 OCDF			NO	0.771	13.610	41.649		1.000				0.0839	
18	18 13C-2,3,7,8-TCDD	3.33e5	0.77	NO	1.10	13.610	26.761	26.75	1.027	1.027	144.46	81.7	0.161	
19	19 13C-1,2,3,7,8-PeCDD	2.85e5	0.64	NO	0.864	13.610	31.157	31.15	1.196	1.195	157.99	89.4	0.193	
20	20 13C-1,2,3,4,7,8-HxCDD	2.47e5	1.30	NO	0.746	13.610	34.485	34.49	1.014	1.014	174.01	98.4	0.548	
21	21 13C-1,2,3,6,7,8-HxCDD	2.54e5	1.26	NO	0.847	13.610	34.604	34.61	1.017	1.018	157.42	89.0	0.483	
22	22 13C-1,2,3,7,8,9-HxCDD	2.93e5	1.28	NO	0.868	13.610	34.904	34.91	1.026	1.026	177.03	100	0.471	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.85e5	1.05	NO	0.664	13.610	38.254	38.25	1.125	1.124	146.45	82.8	0.798	
24	24 13C-OCDD	2.46e5	0.91	NO	0.561	13.610	41.204	41.31	1.211	1.214	230.00	65.1	0.535	
25	25 13C-2,3,7,8-TCDF	5.84e5	0.78	NO	1.09	13.610	26.149	26.15	1.003	1.003	183.82	104	0.312	
26	26 13C-1,2,3,7,8-PeCDF	4.24e5	1.63	NO	0.809	13.610	29.883	29.98	1.147	1.150	180.17	102	0.450	
27	27 13C-2,3,4,7,8-PeCDF	4.05e5	1.61	NO	0.803	13.610	30.847	30.97	1.184	1.188	173.38	98.1	0.454	
28	28 13C-1,2,3,4,7,8-HxCDF	3.27e5	0.51	NO	1.01	13.610	33.557	33.54	0.987	0.986	169.84	96.1	0.515	
29	29 13C-1,2,3,6,7,8-HxCDF	3.37e5	0.50	NO	1.07	13.610	33.686	33.69	0.990	0.990	164.70	93.2	0.485	
30	30 13C-2,3,4,6,7,8-HxCDF	3.20e5	0.51	NO	0.910	13.610	34.377	34.38	1.011	1.011	184.50	104	0.573	
31	31 13C-1,2,3,7,8,9-HxCDF	2.61e5	0.50	NO	0.828	13.610 ✓	35.455	35.46	1.042	1.042	165.36	93.5	0.629	

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Wednesday, April 28, 2021 11:18:53 AM Pacific Daylight Time

Printed: Wednesday, April 28, 2021 11:19:31 AM Pacific Daylight Time

\* 11.3109

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate

#	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	1.97e5	0.42	NO	0.661	13.610	37.064	37.07	1.090	1.090	156.20	88.4	0.802	
33	13C-1,2,3,4,7,8,9-HpCDF	1.57e5	0.41	NO	0.566	13.610	38.826	38.90	1.141	1.144	145.32	82.2	0.937	
34	13C-OCDF	3.04e5	0.86	NO	0.663	13.610	41.591	41.64	1.223	1.224	240.73	68.1	0.443	
35	37Cl-2,3,7,8-TCDD	3.34e5			2.07	13.610	26.962	26.78	1.035	1.028	77.480	110	0.0522	
36	13C-1,2,3,4-TCDD	3.69e5	0.78	NO	1.00	13.610	26.070	26.06	1.000	1.000	176.78	100	0.178	
37	13C-1,2,3,4-TCDF	5.14e5	0.78	NO	1.00	13.610	24.760	24.74	1.000	1.000	176.78	100	0.341	
38	13C-1,2,3,4,6,9-HxCDF	3.37e5	0.50	NO	1.00	13.610	34.040	34.02	1.000	1.000	176.78	100	0.521	
39	Total Tetra-Dioxins				0.929	13.610	24.620		0.000				0.0348	
40	Total Penta-Dioxins				0.826	13.610	29.960		0.000				0.0479	
41	Total Hexa-Dioxins				0.877	13.610	33.635		0.000		0.45661		0.0994	0.722
42	Total Hepta-Dioxins				0.899	13.610	37.640		0.000		2.5202		0.0996	2.52
43	Total Tetra-Furans				0.747	13.610	23.610		0.000				0.0176	
44	1st Func. Penta-Furans				0.877	13.610	26.930		0.000				0.0121	
45	Total Penta-Furans				0.877	13.610	29.275		0.000				0.0288	
46	Total Hexa-Furans				0.973	13.610	33.555		0.000		0.064844		0.0281	0.132
47	Total Hepta-Furans				1.05	13.610	37.835		0.000				0.0303	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Wednesday, April 28, 2021 11:18:53 AM Pacific Daylight Time

Printed: Wednesday, April 28, 2021 11:19:31 AM Pacific Daylight Time

Method: Untitled 16 Apr 2021 14:01:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate

**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	32.79	7.044e3	5.740e3	3.419e2	2.581e2	1.32	NO	6.000e2	0.45661	0.45661	0.0994
2	Total Hexa-Dioxins	33.71	4.656e3	2.231e3	2.805e2	1.558e2	1.80	YES	0.000e0	0.00000	0.26554	0.0994

**Hepta-Dioxins**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL	
1	Total Hepta-Dioxins	37.40	1.364e4	1.401e4	6.770e2	7.415e2	0.91	NO	1.419e3	1.5051	1.5051	0.0996
2	1,2,3,4,6,7,8-HpCDD	38.27	8.845e3	9.960e3	4.675e2	4.892e2	0.96	NO	9.567e2	1.0151	1.0151	0.0996

**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:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Wednesday, April 28, 2021 11:18:53 AM Pacific Daylight Time

Printed: Wednesday, April 28, 2021 11:19:31 AM Pacific Daylight Time

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate

**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	Total Hexa-Furans	32.41	1.638e3	1.775e3	6.152e1	4.954e1	1.24	NO	1.111e2	0.064844	0.064844	0.0281
2	1,2,3,7,8,9-HxCDF	35.47	7.310e2	1.345e3	1.474e1	2.680e1	0.55	YES	4.155e1	0.00000	0.019191	0.0383
3	Total Hexa-Furans	35.51	1.397e3	1.117e3	6.164e1	3.696e1	1.67	YES	0.000e0	0.00000	0.048344	0.0281

**Hepta-Furans**

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

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Friday, April 23, 2021 12:29:24 Pacific Daylight Time  
 Printed: Friday, April 23, 2021 12:30:02 Pacific Daylight Time

HN 04/23/21

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39  
 Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate, Task: ST210419R2

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DU	EMPC
1	2,3,7,8-TCDD			NO	0.929	13.610					0.0497	
2	1,2,3,7,8-PeCDD			NO	0.826	13.610					0.0741	
3	1,2,3,4,7,8-HxCDD			NO	0.972	13.610					0.0786	
4	1,2,3,6,7,8-HxCDD			NO	0.877	13.610					0.0833	
5	1,2,3,7,8,9-HxCDD			NO	0.874	13.610					0.0784	
6	1,2,3,4,6,7,8-HpCDD	9.57e2	0.96	NO	0.899	13.610	38.27	1.001	0.84379		0.0828	0.844
7	OCDD	5.22e3	0.89	NO	0.852	13.610	41.32	1.000	7.3223		0.174	7.32
8	2,3,7,8-TCDF			NO	0.747	13.610					0.0344	
9	1,2,3,7,8-PeCDF			NO	0.877	13.610					0.0622	
10	2,3,4,7,8-PeCDF			NO	0.962	13.610					0.0609	
11	1,2,3,4,7,8-HxCDF			NO	0.920	13.610					0.0344	
12	1,2,3,6,7,8-HxCDF			NO	0.936	13.610					0.0357	
13	2,3,4,6,7,8-HxCDF			NO	0.973	13.610					0.0360	
14	1,2,3,7,8,9-HxCDF	4.15e1	0.55	YES	0.940	13.610	35.47	1.000	0.024884		0.0318	0.0160
15	1,2,3,4,6,7,8-HpCDF			NO	1.05	13.610					0.0420	
16	1,2,3,4,7,8,9-HpCDF			NO	1.05	13.610					0.0488	
17	OCDF			NO	0.771	13.610					0.0698	
18	13C-2,3,7,8-TCDD	3.33e5	0.77	NO	1.10	13.610	26.75	1.027	120.08	81.7	0.134	
19	13C-1,2,3,7,8-PeCDD	2.85e5	0.64	NO	0.864	13.610	31.15	1.195	131.33	89.4	0.160	
20	13C-1,2,3,4,7,8-HxCDD	2.47e5	1.30	NO	0.746	13.610	34.49	1.014	144.65	98.4	0.456	
21	13C-1,2,3,6,7,8-HxCDD	2.54e5	1.26	NO	0.847	13.610	34.61	1.018	130.85	89.0	0.402	
22	13C-1,2,3,7,8,9-HxCDD	2.93e5	1.28	NO	0.868	13.610	34.91	1.026	147.16	100	0.392	
23	13C-1,2,3,4,6,7,8-HpCDD	1.85e5	1.05	NO	0.664	13.610	38.25	1.124	121.74	82.8	0.663	
24	13C-OCDD	2.46e5	0.91	NO	0.561	13.610	41.31	1.214	191.19	65.1	0.445	
25	13C-2,3,7,8-TCDF	5.84e5	0.78	NO	1.09	13.610	26.15	1.003	152.80	104	0.260	
26	13C-1,2,3,7,8-PeCDF	4.24e5	1.63	NO	0.809	13.610	29.98	1.150	149.77	102	0.374	
27	13C-2,3,4,7,8-PeCDF	4.05e5	1.61	NO	0.803	13.610	30.97	1.188	144.12	98.1	0.377	
28	13C-1,2,3,4,7,8-HxCDF	3.27e5	0.51	NO	1.01	13.610	33.54	0.986	141.18	96.1	0.428	
29	13C-1,2,3,6,7,8-HxCDF	3.37e5	0.50	NO	1.07	13.610	33.69	0.990	136.91	93.2	0.403	
30	13C-2,3,4,6,7,8-HxCDF	3.20e5	0.51	NO	0.910	13.610	34.38	1.011	153.37	104	0.476	
31	13C-1,2,3,7,8,9-HxCDF	2.61e5	0.50	NO	0.828	13.610	35.46	1.042	137.46	93.5	0.523	

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Friday, April 23, 2021 12:29:24 Pacific Daylight Time  
Printed: Friday, April 23, 2021 12:30:02 Pacific Daylight Time

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate, Task: ST210419R2

	Name	Resp	%RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.97e5	0.42	NO	0.661	13.610	37.07	1.090	129.84	88.4	0.667	
33	13C-1,2,3,4,7,8,9-HpCDF	1.57e5	0.41	NO	0.566	13.610	38.90	1.144	120.79	82.2	0.779	
34	13C-OCDF	3.04e5	0.86	NO	0.663	13.610	41.64	1.224	200.11	68.1	0.368	
35	37Cl-2,3,7,8-TCDD	3.34e5			2.07	13.610	26.78	1.028	64.405	110	0.0434	
36	13C-1,2,3,4-TCDD	3.69e5	0.78	NO	1.00	13.610	26.06	1.000	146.95	100	0.148	
37	13C-1,2,3,4-TCDF	5.14e5	0.78	NO	1.00	13.610	24.74	1.000	146.95	100	0.284	
38	13C-1,2,3,4,6,9-HxCDF	3.37e5	0.50	NO	1.00	13.610	34.02	1.000	146.95	100	0.433	
39	Total Tetra-Dioxins				0.929	13.610					0.0289	
40	Total Penta-Dioxins				0.826	13.610					0.0398	
41	Total Hexa-Dioxins				0.877	13.610			0.37956		0.0826	0.600
42	Total Hepta-Dioxins				0.899	13.610			2.0949		0.0828	2.09
43	Total Tetra-Furans				0.747	13.610					0.0146	
44	1st Func. Penta-Furans				0.877	13.610					0.0100	
45	Total Penta-Furans				0.877	13.610					0.0240	
46	Total Hexa-Furans				0.973	13.610			0.053902		0.0233	0.110
47	Total Hepta-Furans				1.05	13.610					0.0252	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Friday, April 23, 2021 12:29:24 Pacific Daylight Time

Printed: Friday, April 23, 2021 12:30:02 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate, Task: ST210419R2

**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	32.79	7.044e3	5.740e3	3.419e2	2.581e2	1.32	NO	6.000e2	0.37956	0.37956	0.0826
2	Total Hexa-Dioxins	33.71	4.656e3	2.231e3	2.805e2	1.558e2	1.80	YES	0.000e0	0.00000	0.22073	0.0826

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.40	1.364e4	1.401e4	6.770e2	7.415e2	0.91	NO	1.419e3	1.2511	1.2511	0.0828
2	1,2,3,4,6,7,8-HpCDD	38.27	8.845e3	9.960e3	4.675e2	4.892e2	0.96	NO	9.567e2	0.84379	0.84379	0.0828

**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												

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_6.qld

Last Altered: Friday, April 23, 2021 12:29:24 Pacific Daylight Time  
 Printed: Friday, April 23, 2021 12:30:02 Pacific Daylight Time

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate, Task: ST210419R2

**Penta-Furans**

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

**Hexa-Furans**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.41	1.638e3	1.775e3	6.152e1	4.954e1	1.24	NO	1.111e2	0.053902	0.053902	0.0233
2 1,2,3,7,8,9-HxCDF	35.47	7.310e2	1.345e3	1.474e1	2.680e1	0.55	YES	4.155e1	0.00000	0.015953	0.0318
3 Total Hexa-Furans	35.51	1.397e3	1.117e3	6.164e1	3.696e1	1.67	YES	0.000e0	0.00000	0.040186	0.0233

**Hepta-Furans**

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



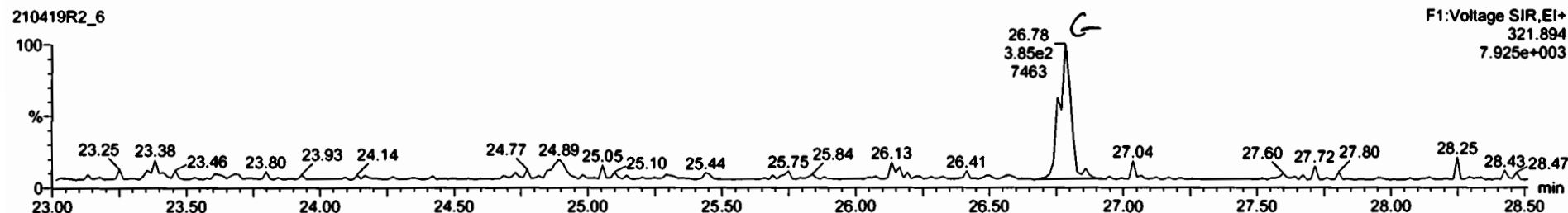
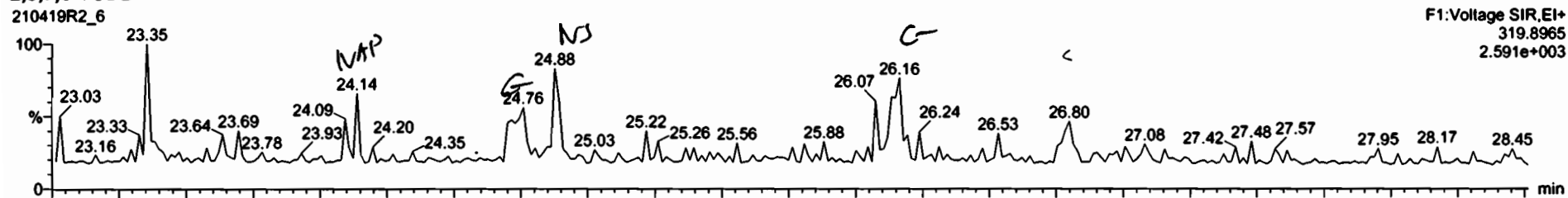
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Last Altered: Tuesday, April 20, 2021 11:07:50 Pacific Daylight Time

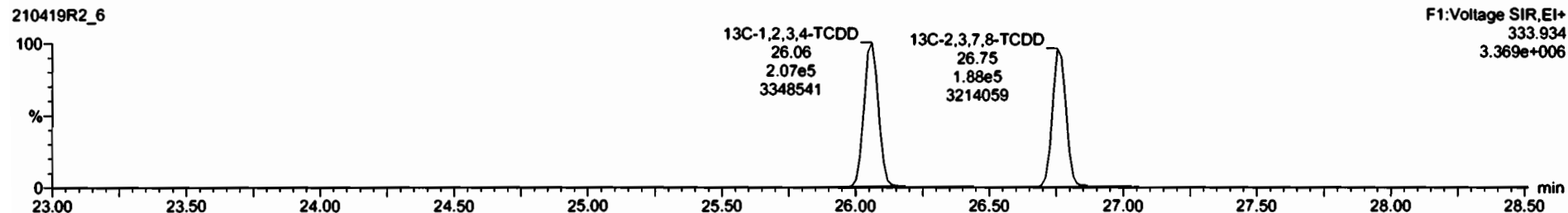
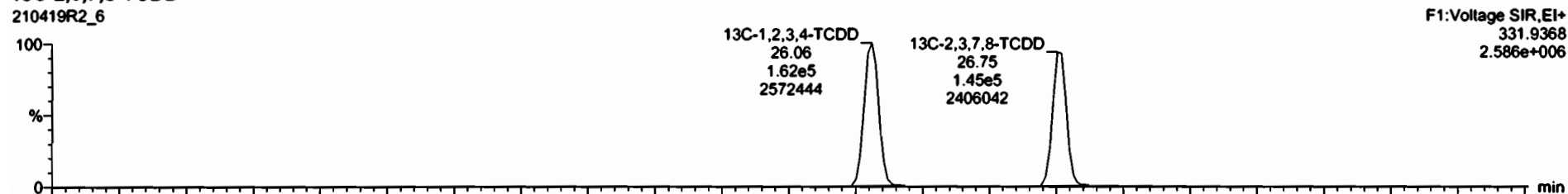
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Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate

2,3,7,8-TCDD



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



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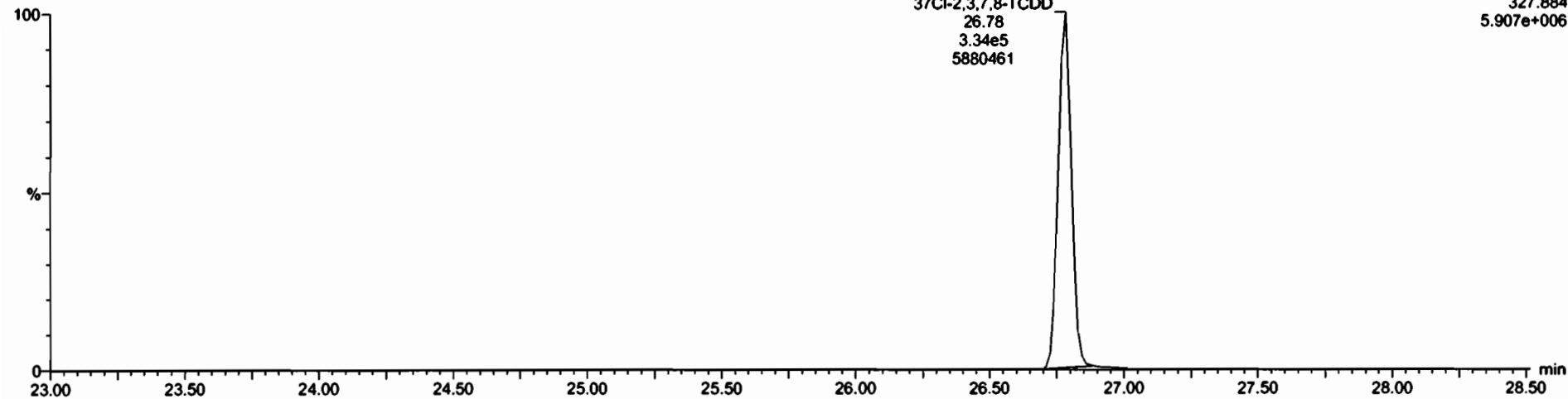
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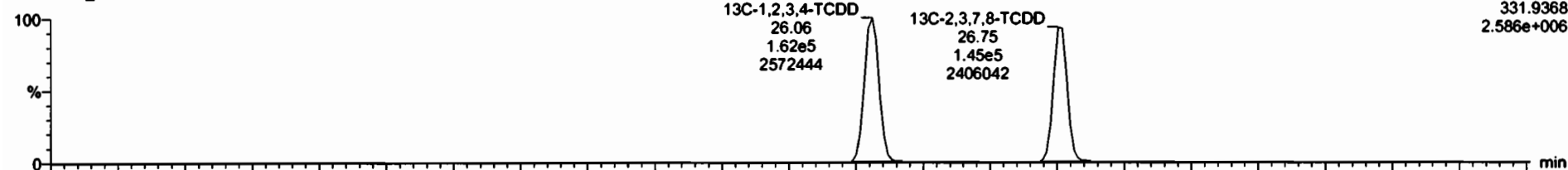
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210419R2\_6

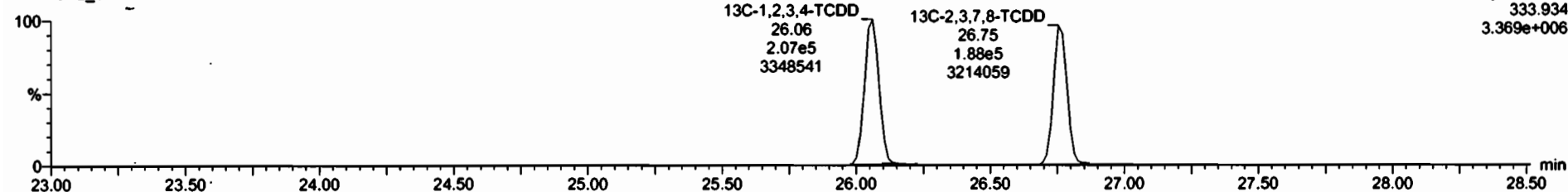


**13C-1,2,3,4-TCDD**

210419R2\_6



210419R2\_6



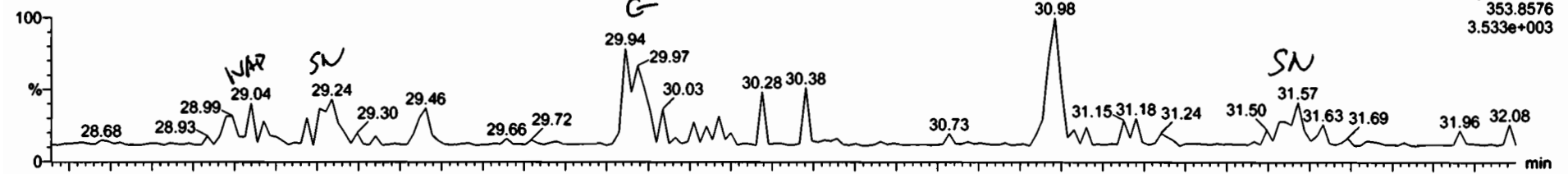
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

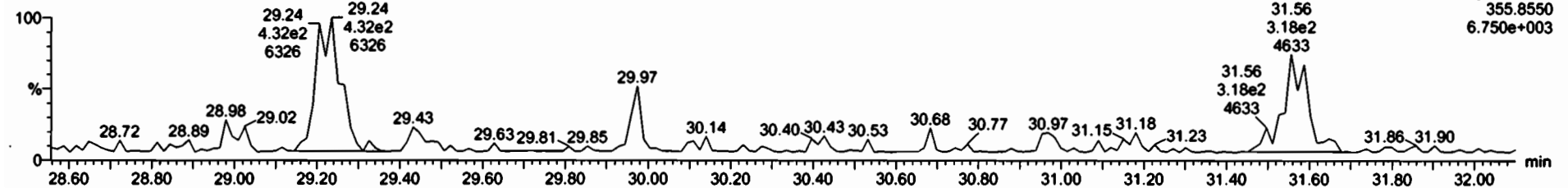
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1,2,3,7,8-PeCDD

210419R2\_6



210419R2\_6

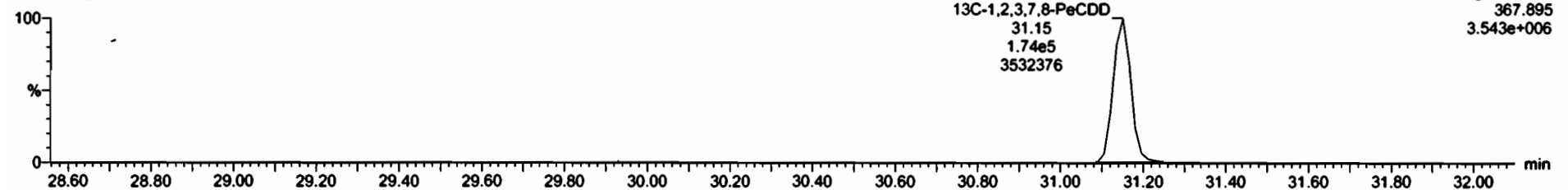


13C-1,2,3,7,8-PeCDD

210419R2\_6

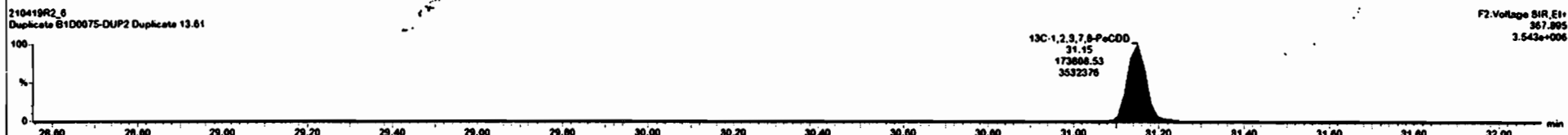
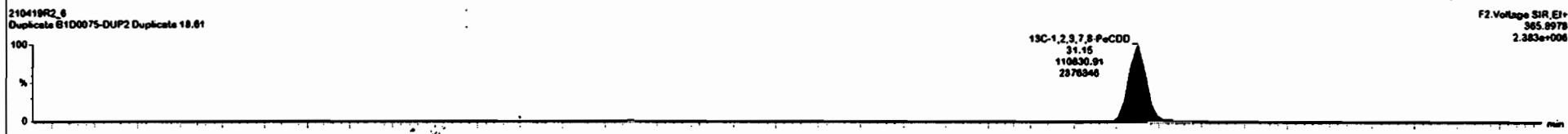
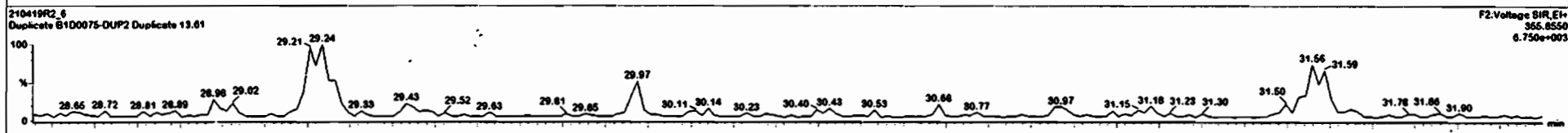
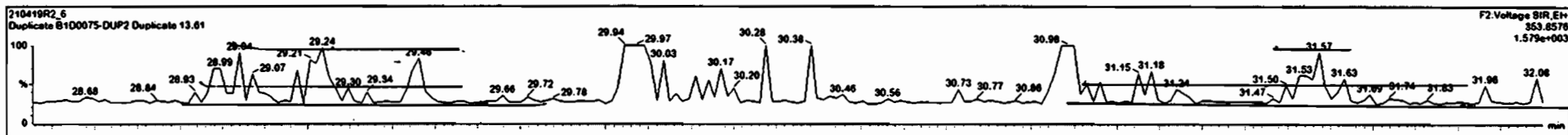


210419R2\_6



SI	Name	Resp	RA	ny	RF	wtVnt	RT	RRT	Conc	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.83	13.610				0.0386		
41	Total Hexa-Dioxins				0.86	13.610			0.359	0.0526	0.382	
42	Total Hepta-Dioxins				0.90	13.610			2.14	0.0228	2.14	
43	Total Tetra-Furans				0.75	13.610				0.0149		
44	1st Func. Penta-Furans				0.86	13.610				0.0100		
45	Total Penta-Furans				0.88	13.610				0.0240		

SI	Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc.
1								



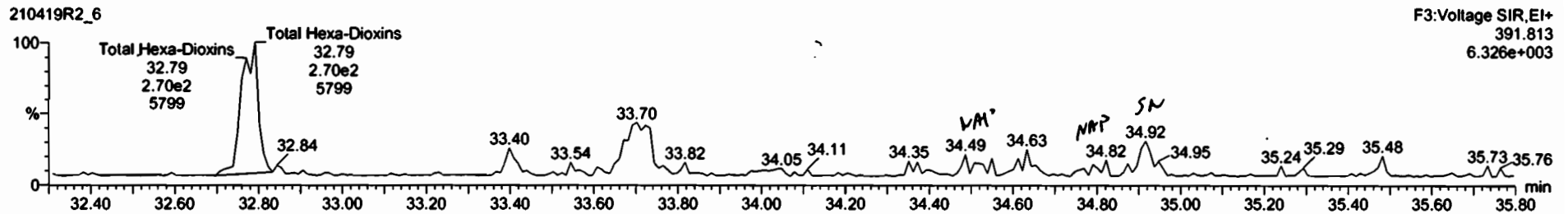
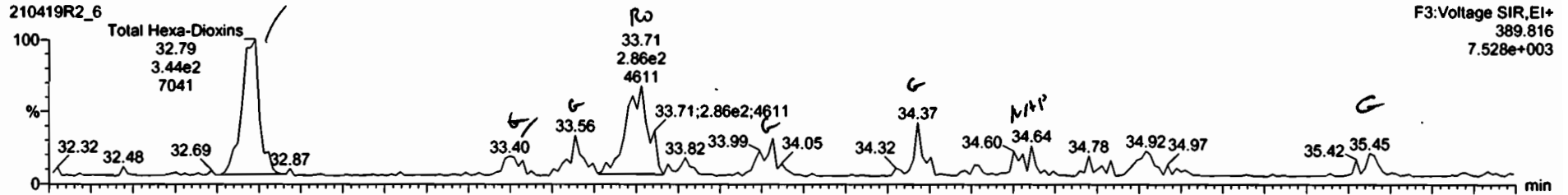
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

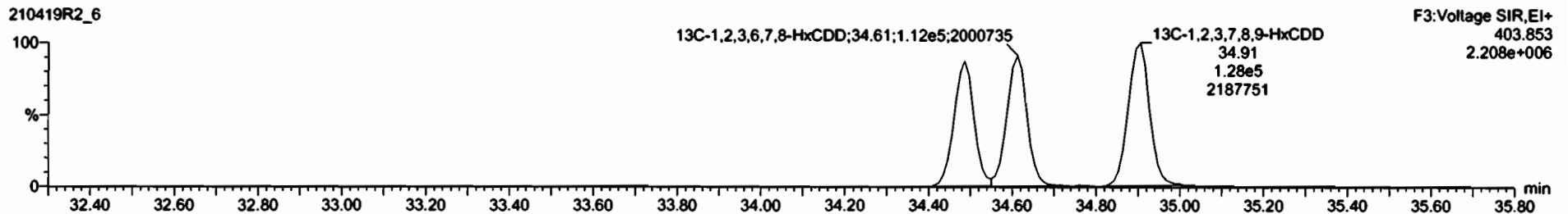
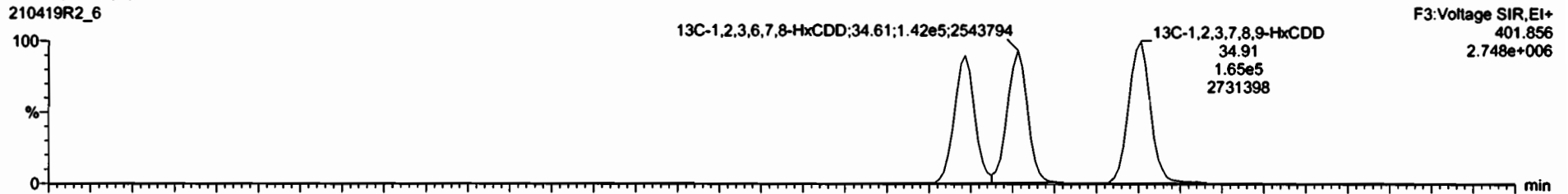
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1,2,3,4,7,8-HxCDD

HN 04/23/21

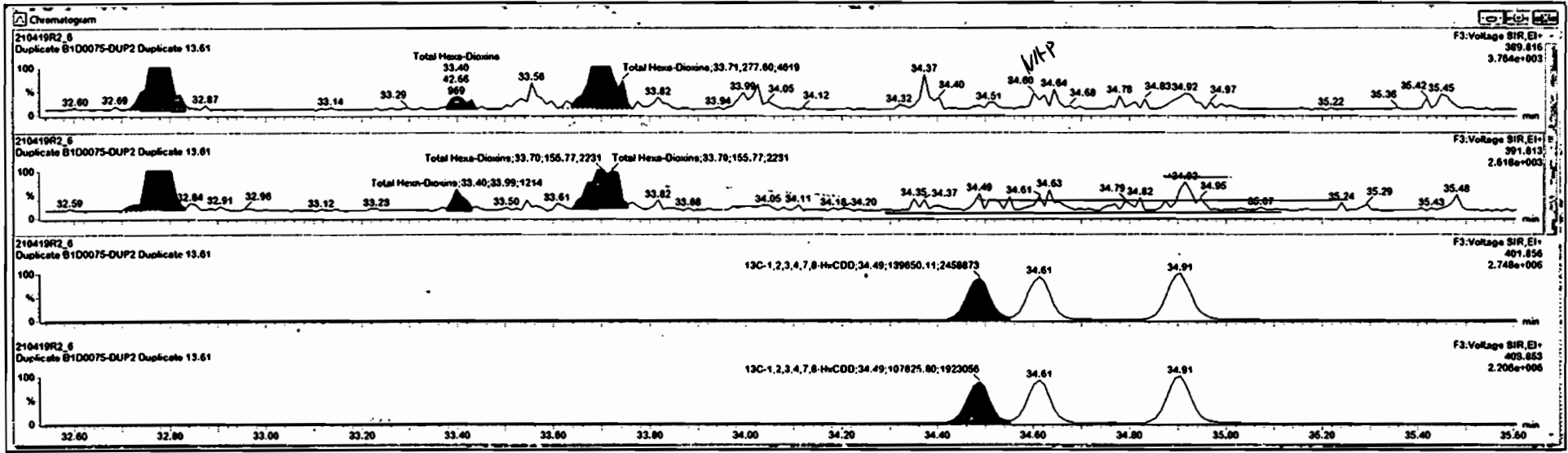


13C-1,2,3,4,7,8-HxCDD



#	Name	Resp	RA	dy	RPF	wt/val	RT	RRT	Conc	%Rec	DL	EMPC
42	Total Penta-Dioxins				0.63	13.610					0.0398	
41	Total Hexa-Dioxins				0.88	13.610			0.442		0.003	
42	Total Hepta-Dioxins				0.60	13.610			2.14		2.14	
43	Total Tetra-Furans				0.76	13.610					0.0148	
44	1st Func. Penta-Furans				0.88	13.610					0.0130	
45	Total Penta-Furans				0.88	13.610					0.0240	

#	Name	RT	mt Resp	rd Resp	RA	dy	EMPC	Conc
1	Total Hexa-Dioxins	32.78	3.52562	2.89562	1.31	NO	0.39230	0.39230
2	Total Hexa-Dioxins	33.40	4.26661	3.36961	1.26	NO	0.64889	0.64889
3	Total Hexa-Dioxins	33.71	2.77662	1.55662	1.78	YES	0.22073	0.00000



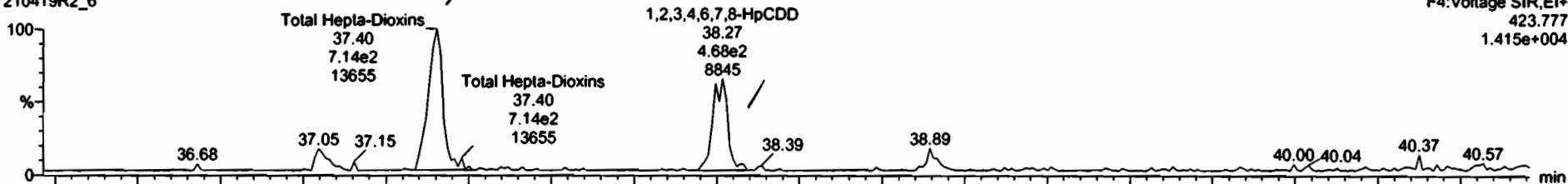
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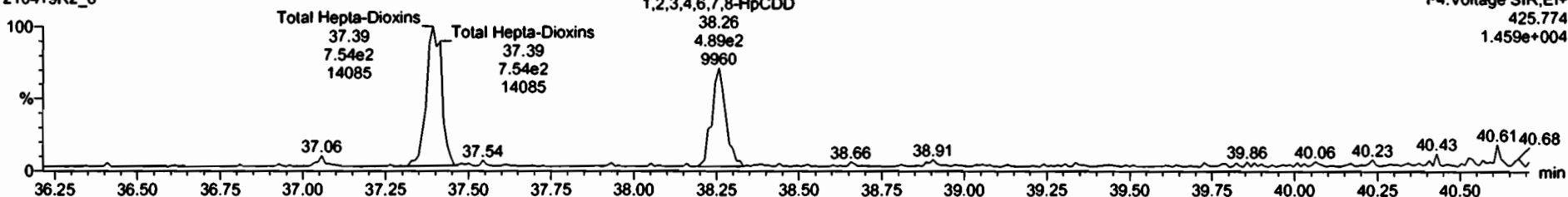
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1,2,3,4,6,7,8-HpCDD

210419R2\_6

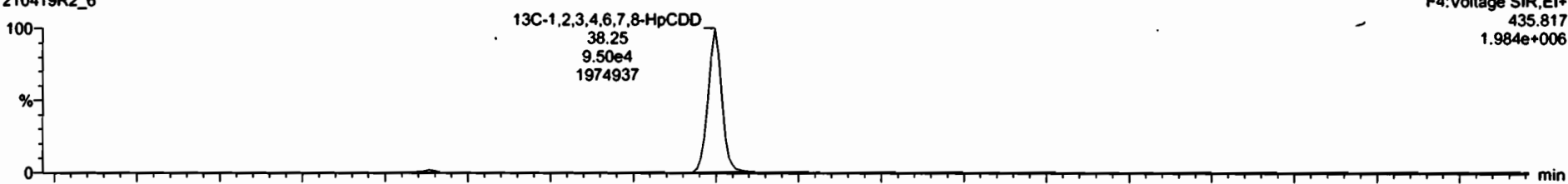


210419R2\_6

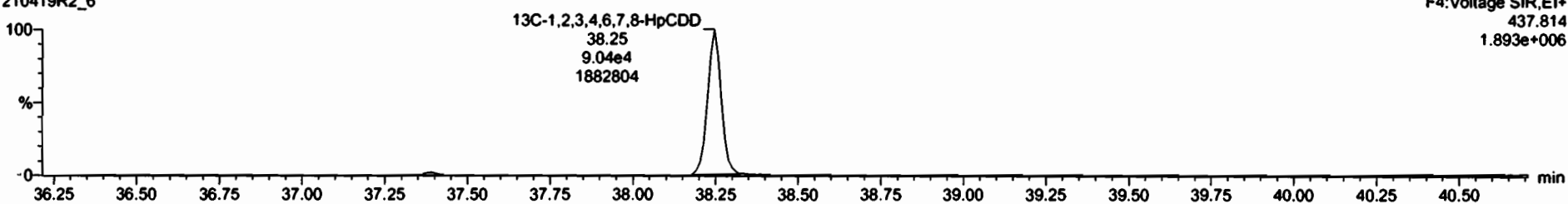


13C-1,2,3,4,6,7,8-HpCDD

210419R2\_6

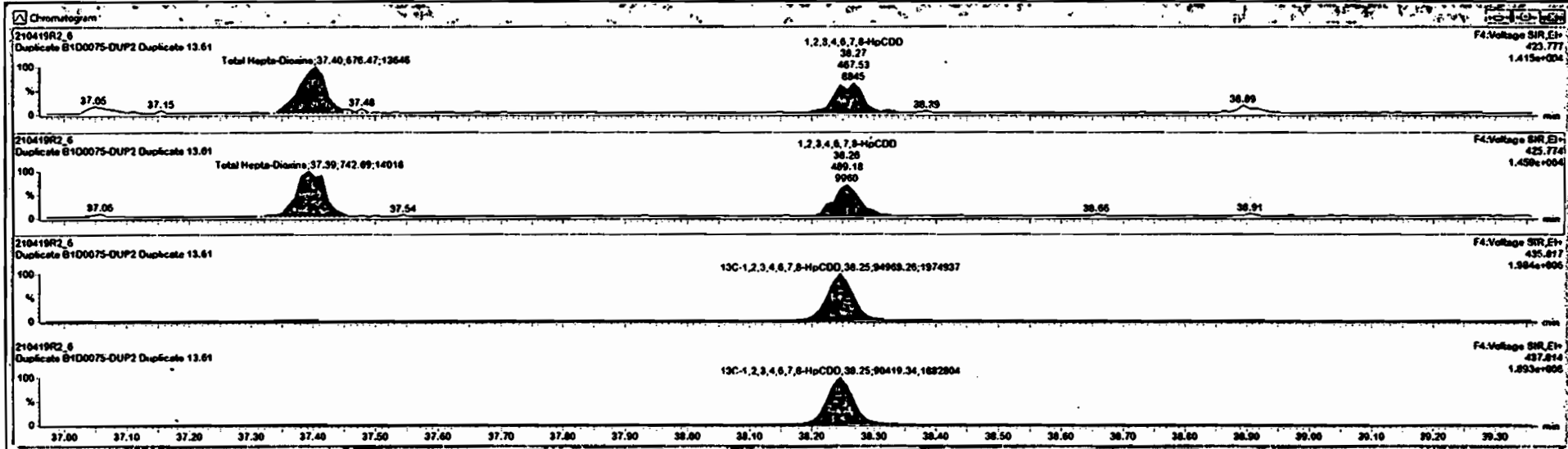


210419R2\_6



Name	Resp	RA	aly	RFI	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Penta-Dioxins				0.63	13.61C					0.0396	
43 Total Hexa-Dioxins				0.66	13.61B			0.442		0.0226	0.663
42 Total Hepta-Dioxins				0.69	13.61B			2.10		0.0228	2.10
43 Total Tetra-Furans				0.75	13.61C					0.0148	
44 Total Furan, Penta-Furans				0.88	13.61C					0.0136	
45 Total Penta-Furans				0.88	13.61C					0.024C	

Name	RT	Int Resp	Int Resp	RA	aly	EMPC	Conc.
1 Total Hepta-Dioxins	37.45	6.767e2	7.427e2	0.91	NO	1.2517	1.2517
2 1,2,3,4,6,7,8-HpCDD	38.27	4.875e2	4.882e2	0.98	NO	0.84379	0.84379





Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 11:07:50 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate

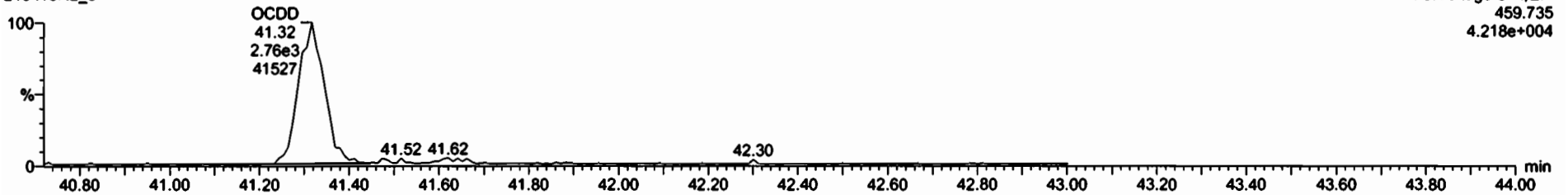
**OCDD**

210419R2\_6



F5:Voltage SIR,EI+  
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3.989e+004

210419R2\_6



F5:Voltage SIR,EI+  
459.735  
4.218e+004

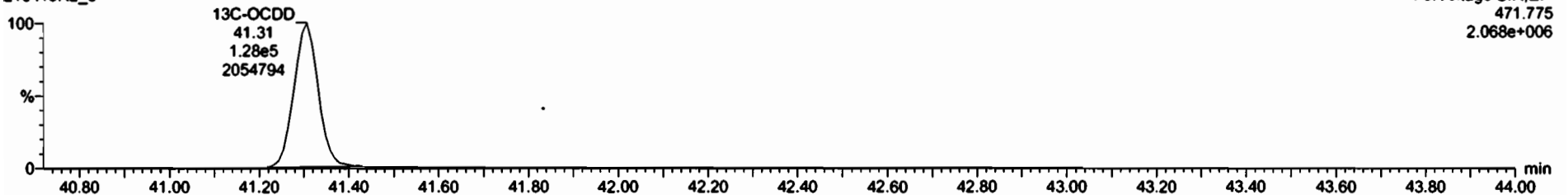
**13C-OCDD**

210419R2\_6



F5:Voltage SIR,EI+  
469.778  
1.876e+006

210419R2\_6



F5:Voltage SIR,EI+  
471.775  
2.068e+006

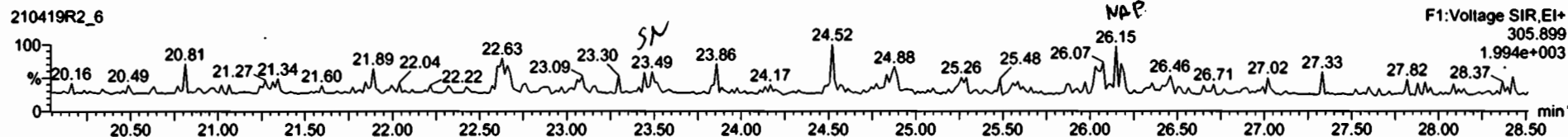
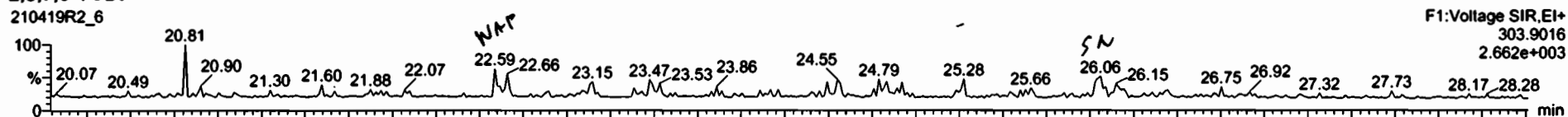
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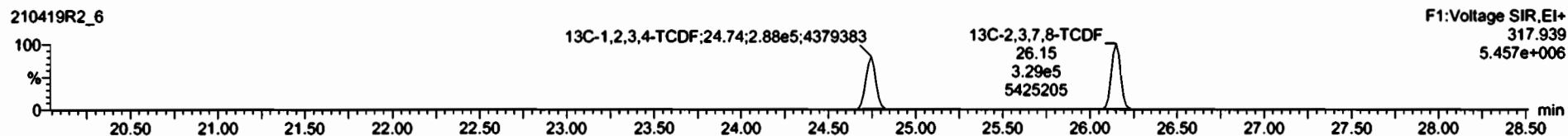
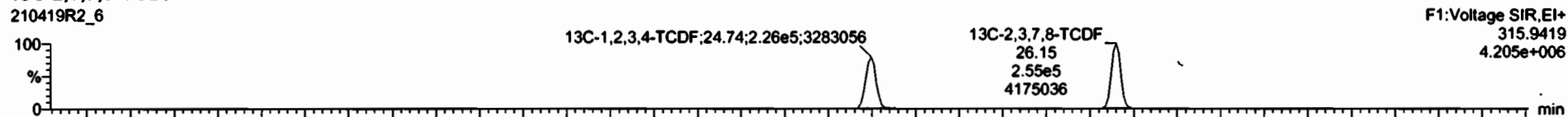
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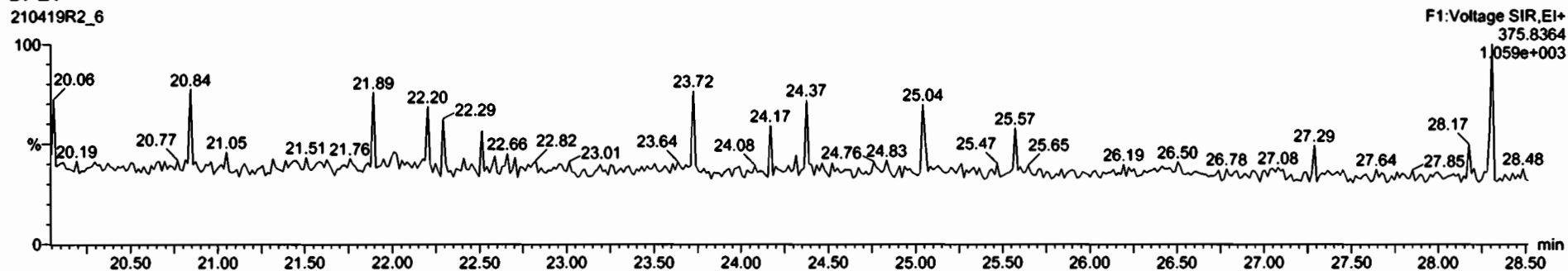
2,3,7,8-TCDF



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

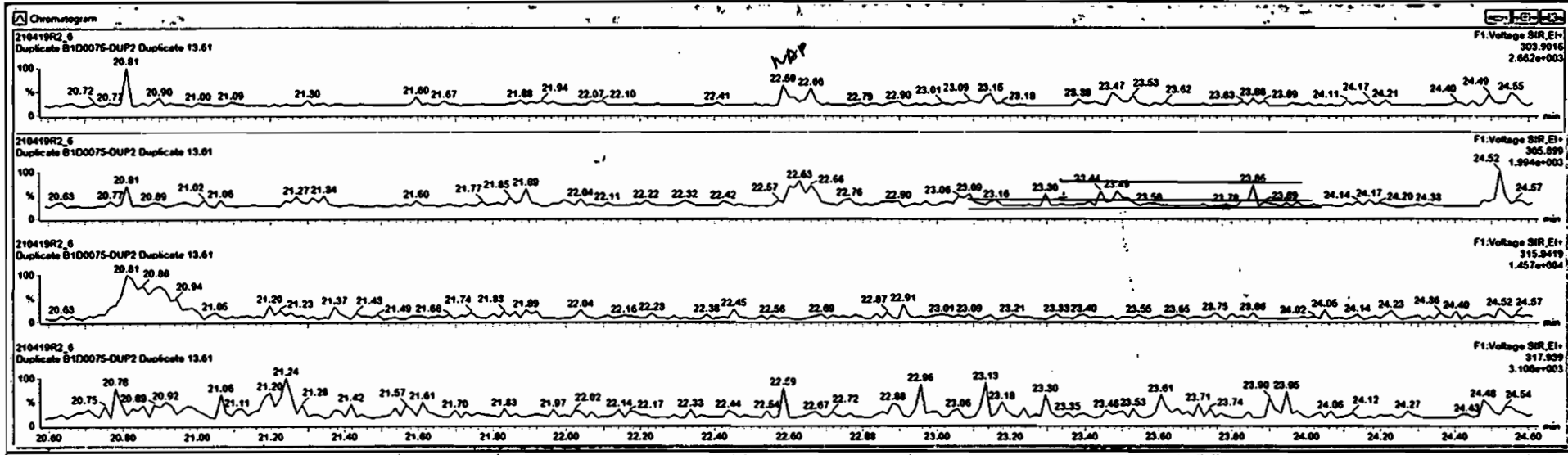


DPE1



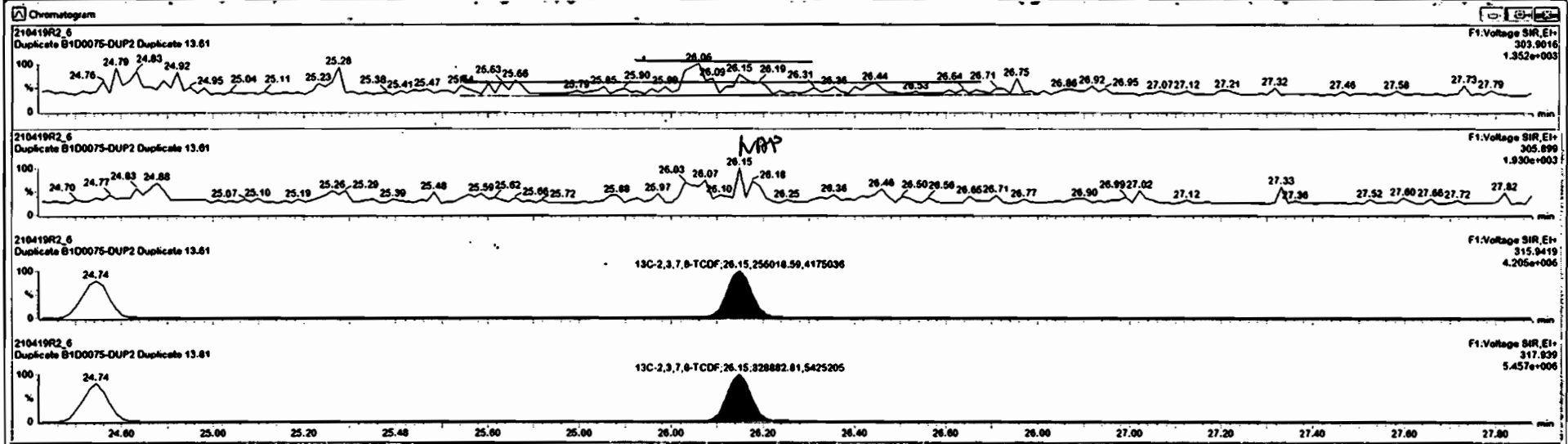
Name	Resp	RA	aly	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Chloro				0.83	13.616				0.0396		
41 Total Hexa-Chloro				0.85	13.616			0.442	0.0626	0.663	
42 Total Hepta-Chloro				0.93	13.616			2.10	0.0626	2.10	
43 Total Para-Furans				0.75	13.616				0.0146		
44 1st Func. Penta-Furans				0.56	13.616				0.0130		
45 Total Penta-Furans				0.88	13.616				0.0242		

Name	RT	int Resp	std Resp	RA	aly	EMPC	Conc
1							



Name	Resp	RA	aly	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
40 Total: Penta-Dioxins				0.62	13.610					0.0396	
41 Total: Hexa-Dioxins				0.68	13.610			0.442		0.0426	0.663
42 Total: Hepta-Dioxins				0.92	13.610			2.10		0.0828	2.10
43 Total: Nona-Furans				0.75	13.610					0.0188	
44 1st Func. Penta-Furans				0.68	13.610					0.0100	
45 Total: Penta-Furans				0.88	13.610					0.0240	

Name	RT	m1 Resp	m2 Resp	RA	aly	EMPC	Conc
1							



Dataset: Untitled

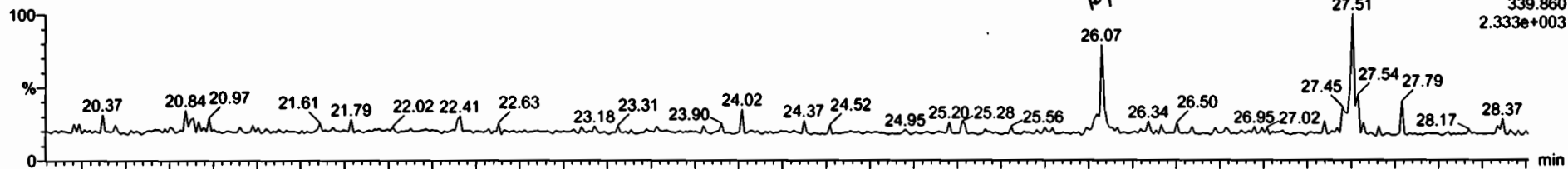
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

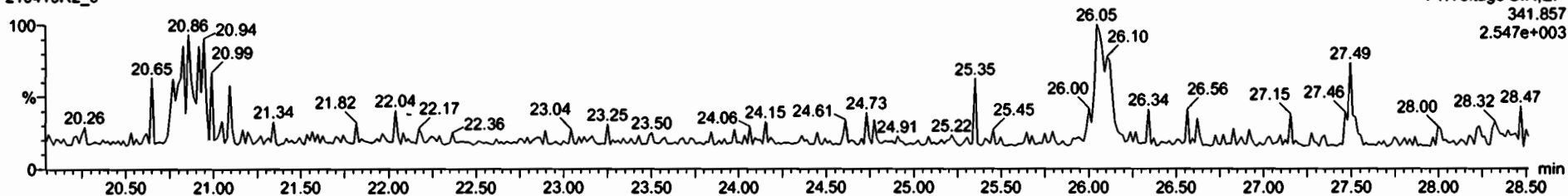
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1st Func. Penta-Furans

210419R2\_6

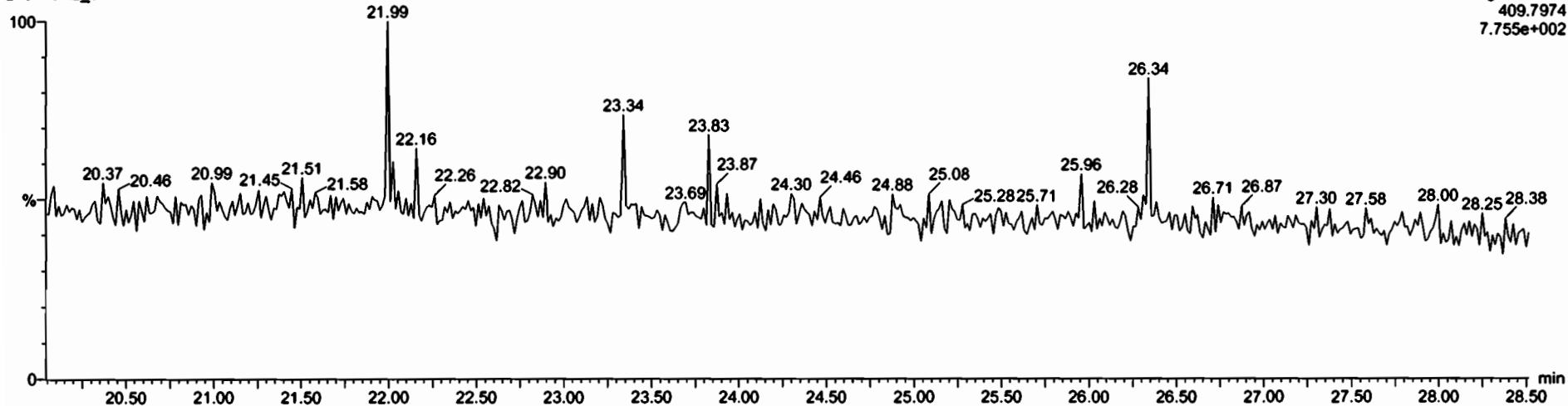


210419R2\_6



DPE6

210419R2\_6



Dataset: Untitled

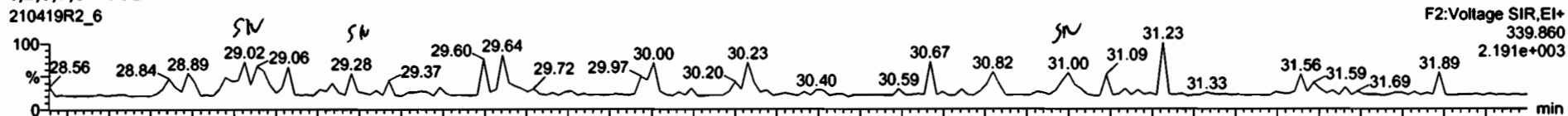
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

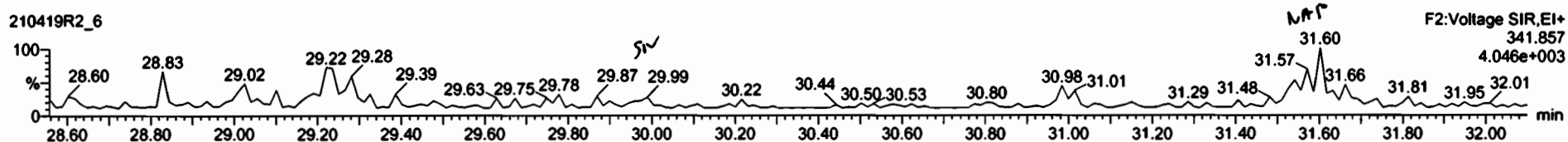
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**1,2,3,7,8-PeCDF**

210419R2\_6

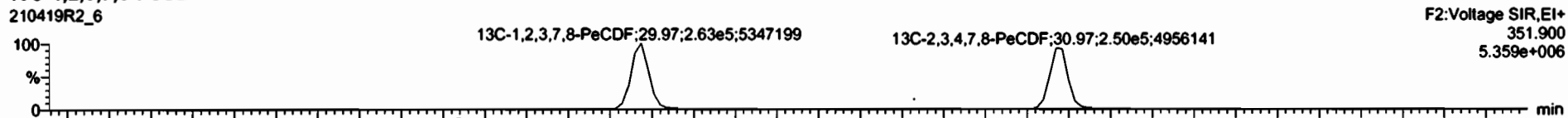


210419R2\_6

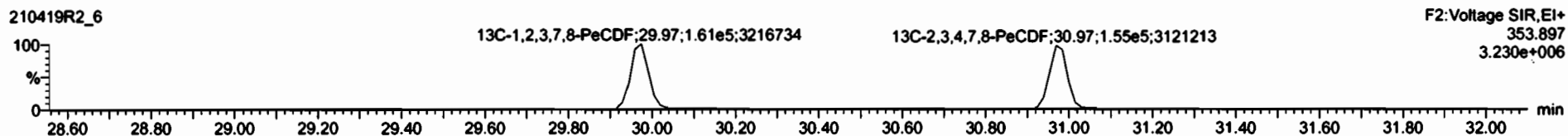


**13C-1,2,3,7,8-PeCDF**

210419R2\_6

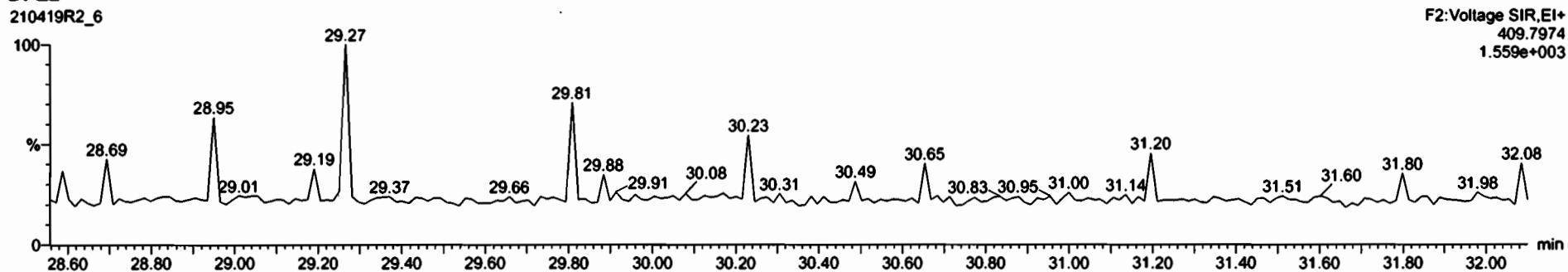


210419R2\_6



**DPE2**

210419R2\_6



Dataset: Untitled

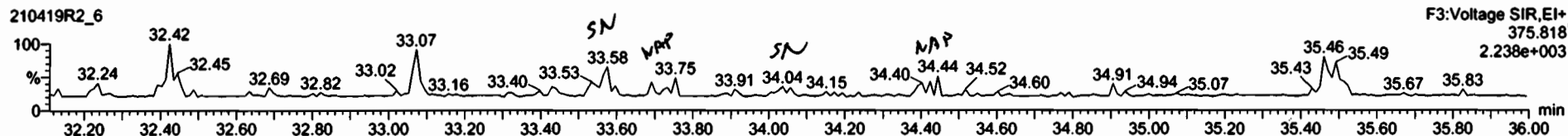
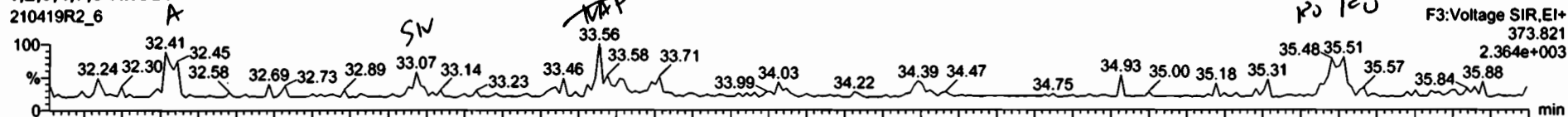
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

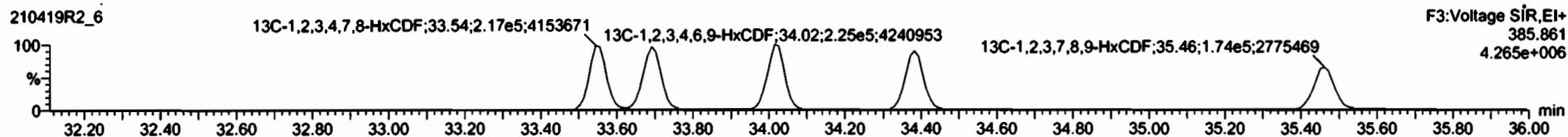
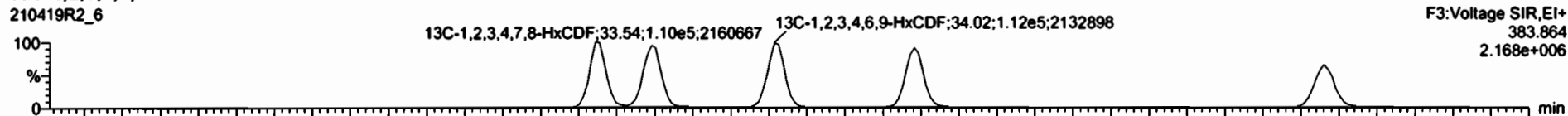
HN 04/23/21

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate

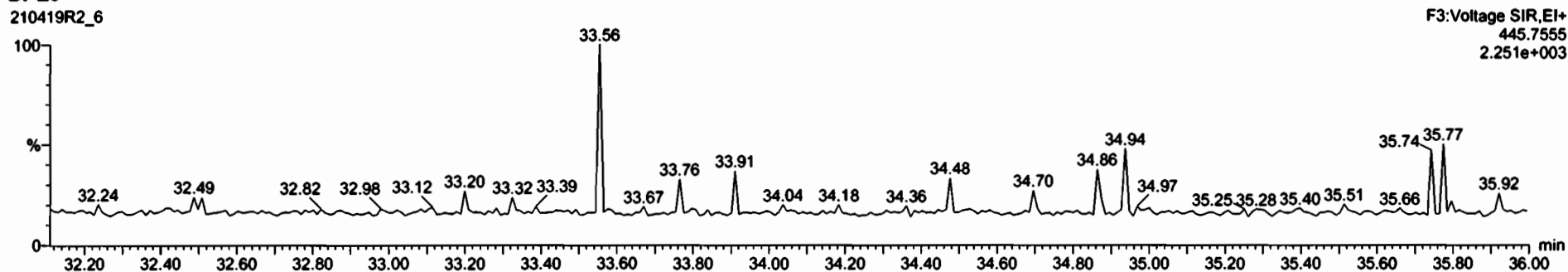
1,2,3,4,7,8-HxCDF



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



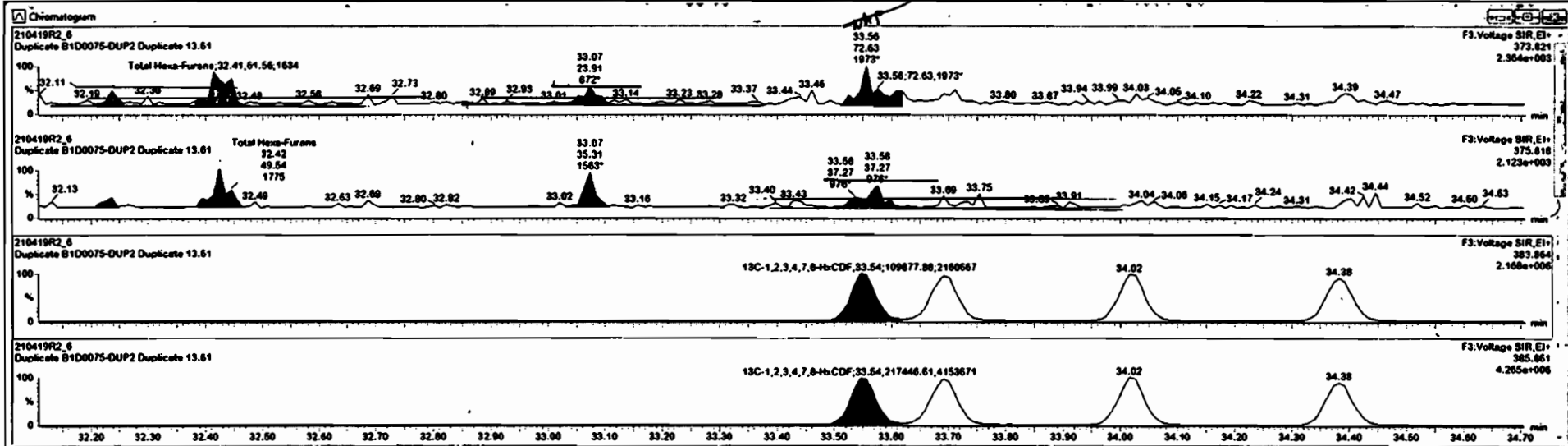
DPE3



Name	Resp	RA	ny	RRF	wtwei	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Chloro				0.63	13.610				0.0390		
41 Total Hexa-Chloro				0.66	13.610			0.442	0.0622	0.662	
42 Total Hepta-Chloro				0.50	13.610			2.10	0.0828	2.10	
43 Total Tetra-Furans				0.75	13.610				0.6148		
44 1st Func. Penta-Furans				0.68	13.610				0.6130		
45 Total Penta-Furans				0.68	13.610				0.6240		

Name	RT	int Resp	ext Resp	RA	ny	EMPC	Conc
1 Total Hexa-Furans	32.24	1.313e1	1.018e1	1.30	NO	0.011273	0.011273
2 Total Hexa-Furans	32.41	2.156e1	4.854e1	1.24	NO	0.053821	0.053821
3 1,2,3,7,8,9-HxCDF	33.47	1.517e1	2.520e1	0.60	YES	0.016410	0.09500
4 Total Hexa-Furans	35.51	6.402e1	3.600e1	1.78	YES	0.039141	0.06000

HN 01/23/21

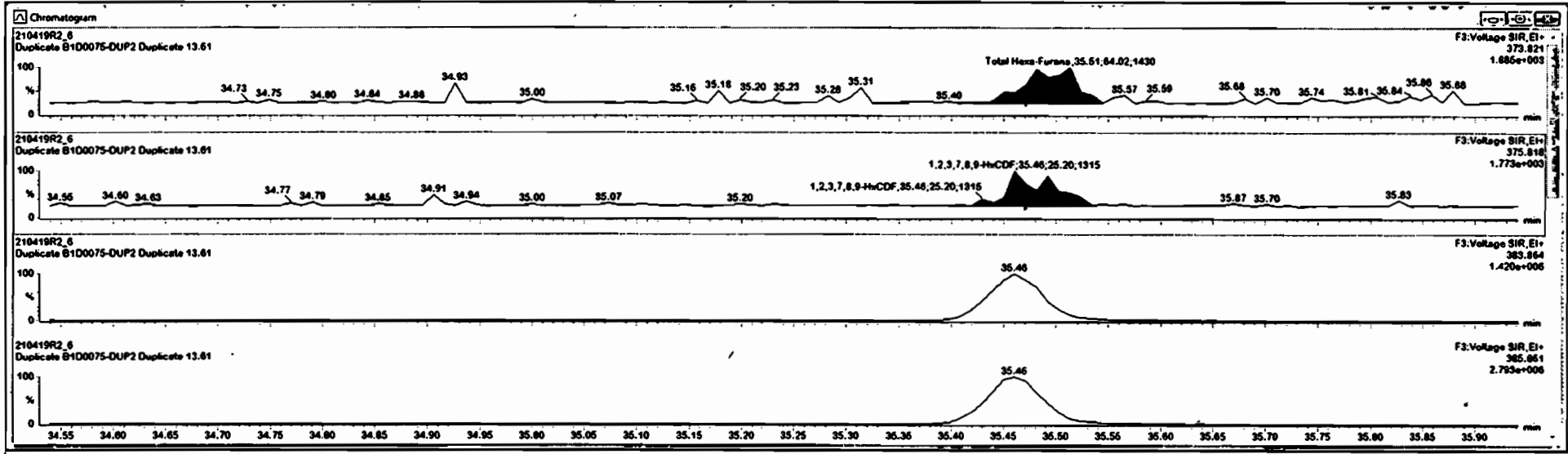




210419R2\_6 - B1D0075-DUP2 Duplicate 13.61 Duplicate

SI	Name	Resp	RA	nY	RRP	rtVal	RT	RRT	Conc	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.63	13.616					0.0396	
41	Total Hexa-Dioxins				0.66	13.610			0.442		0.0620	0.667
42	Total Hepta-Dioxins				0.90	13.610			2.10		0.0828	2.11
43	Total Tetra-Furans				0.75	13.610					0.0148	
44	1st Func. Penta-Furans				0.88	13.610					0.0106	
45	Total Penta-Furans				0.88	13.610					0.0246	

SI	Name	RT - s	m1 Resp	m2 Resp	RA	nY	EMPC	Conc
1	Total Hexa Furans	32.41	6.156e1	4.95e1	1.24	NO	0.052921	0.053921
2	1,2,3,7,8,9-HxCDF	35.47	1.517e1	2.526e1	0.65	YES	0.016416	0.05300
3	Total Hexa-Furans	35.51	6.402e1	3.703e1	1.73	YES	0.040256	0.00900



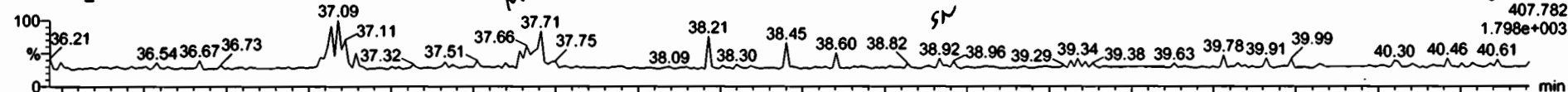
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Last Altered: Tuesday, April 20, 2021 11:07:50 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

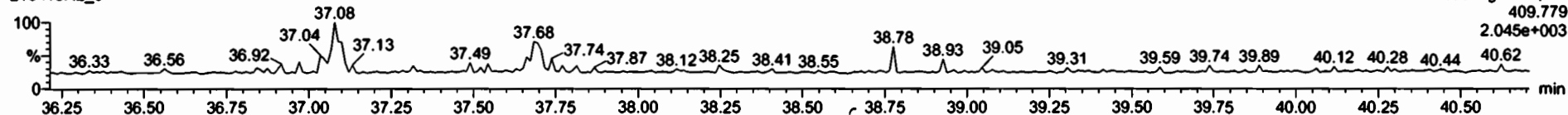
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1,2,3,4,6,7,8-HpCDF

210419R2\_6

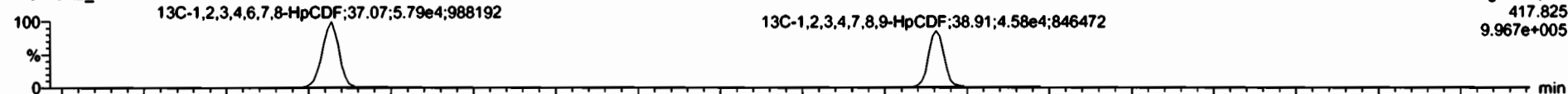


210419R2\_6

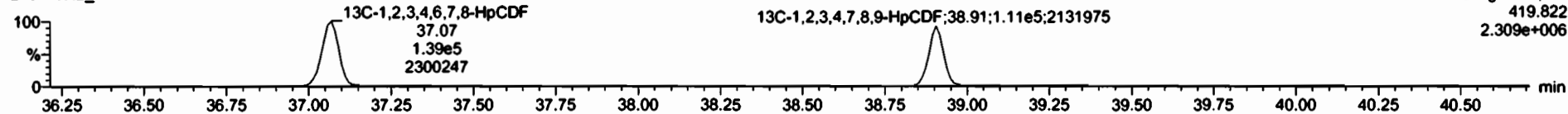


13C-1,2,3,4,6,7,8-HpCDF

210419R2\_6

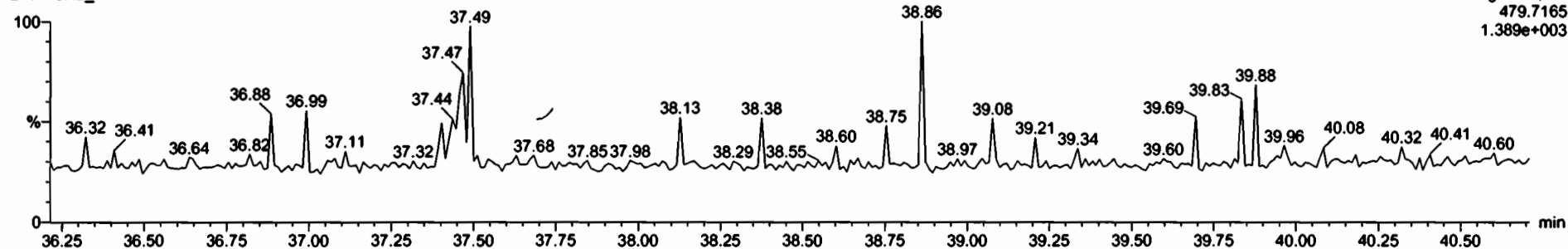


210419R2\_6



DPE4

210419R2\_6



Dataset: Untitled

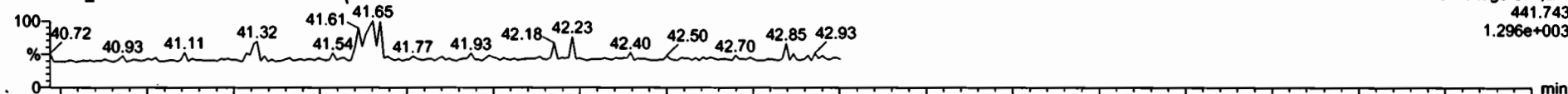
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Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

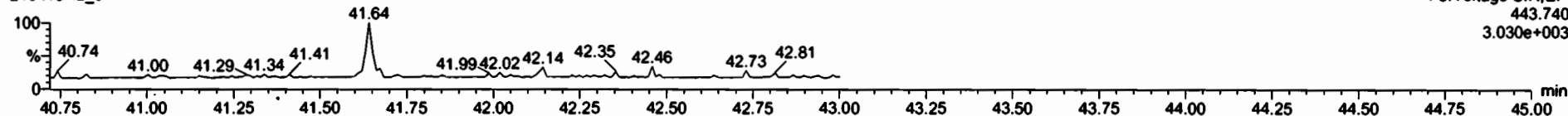
Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate

OCDF

210419R2\_6

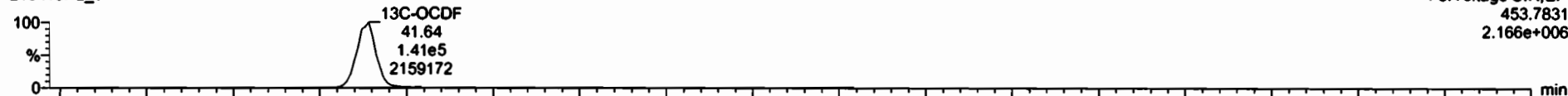


210419R2\_6

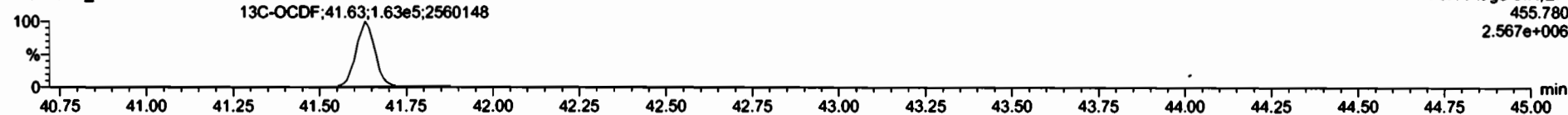


13C-OCDF

210419R2\_6

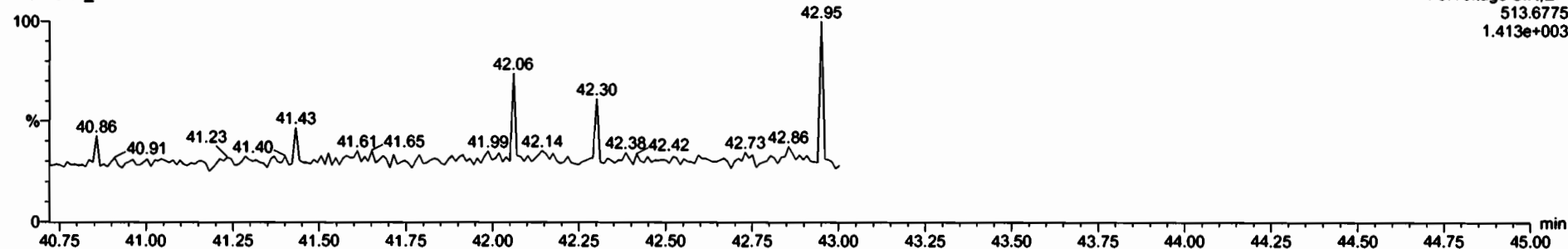


210419R2\_6



DPE5

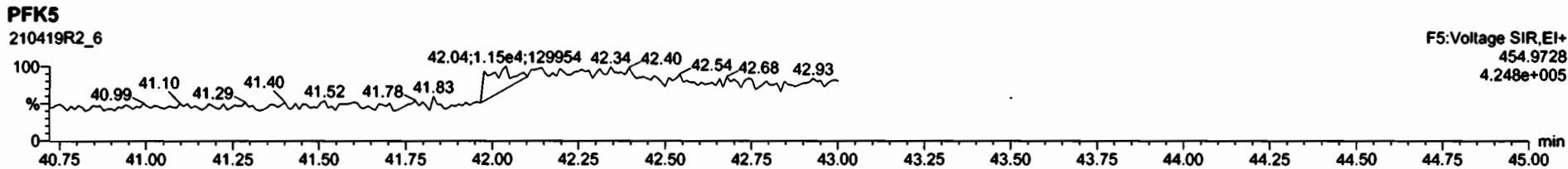
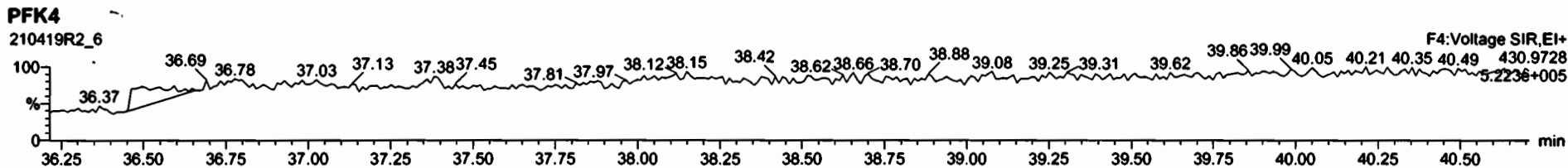
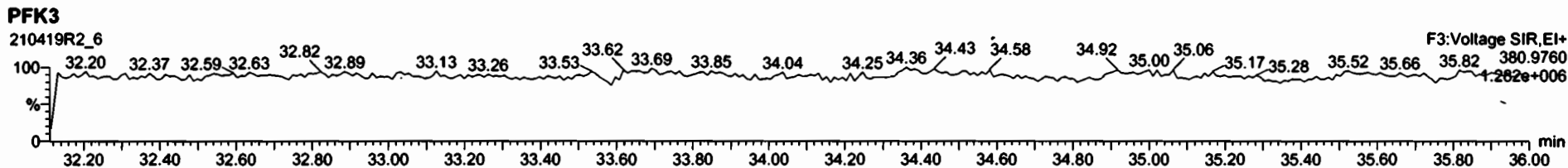
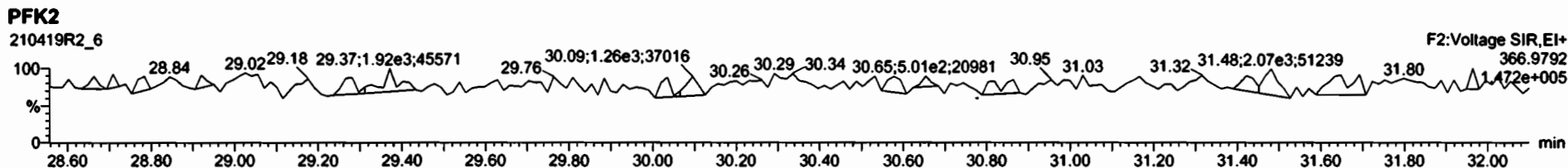
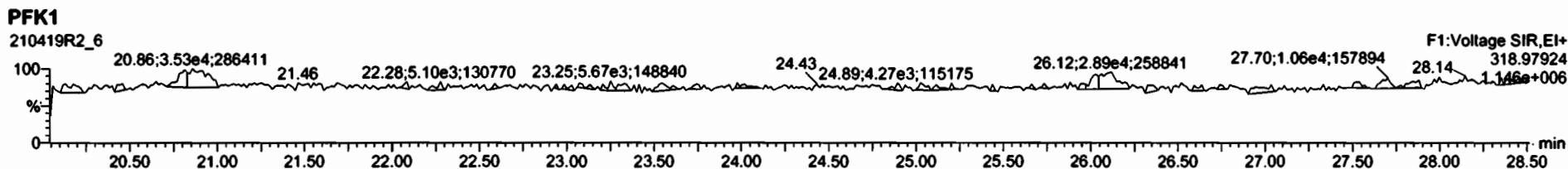
210419R2\_6



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Last Altered: Tuesday, April 20, 2021 11:07:50 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:07:54 Pacific Daylight Time

Name: 210419R2\_6, Date: 19-Apr-2021, Time: 20:23:27, ID: B1D0075-DUP2 Duplicate 13.61, Description: Duplicate



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-12.qld

Last Altered: Monday, April 19, 2021 17:44:36 Pacific Daylight Time  
Printed: Monday, April 19, 2021 17:52:02 Pacific Daylight Time

*DF 04/19/21*

*Cros 04/2021*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312, Task: ST210409D1\_1

	Name	Resp	RA*	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD										<i>0.0922</i>	
2	1,2,3,7,8-PeCDD			NO	0.961	10.105					0.128	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.105					0.255	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.105					0.270	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.105					0.289	
6	1,2,3,4,6,7,8-HpCDD	6.61e2	1.02	NO	1.06	10.105	38.57	1.001	1.3284		0.304	1.33
7	OCDD	3.74e3	0.89	NO	0.977	10.105	42.36	1.001	13.746		1.85	13.7
8	2,3,7,8-TCDF			NO	0.989	10.105					0.0399	
9	1,2,3,7,8-PeCDF	5.29e1	0.51	YES	1.02	10.105	30.10	1.001	<del>0.046261</del>		0.0595	0.0257
10	2,3,4,7,8-PeCDF			NO	1.17	10.105					0.0609	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.105					0.0586	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.105					0.0632	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.105					0.0720	
14	1,2,3,7,8,9-HxCDF	4.44e1	0.89	YES	1.07	10.105	35.69	1.000	<del>0.052964</del>		0.0478	0.0451
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.105					0.0701	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.105					0.105	
17	OCDF			NO	0.931	10.105					0.246	
18	13C-2,3,7,8-TCDD	1.86e5	0.82	NO	1.20	10.105	27.08	1.024	235.91	119	0.256	
19	13C-1,2,3,7,8-PeCDD	1.41e5	0.63	NO	0.864	10.105	31.21	1.180	249.71	126	0.356	
20	13C-1,2,3,4,7,8-HxCDD	1.07e5	1.29	NO	0.600	10.105	34.66	1.014	239.54	121	0.928	
21	13C-1,2,3,6,7,8-HxCDD	1.18e5	1.30	NO	0.674	10.105	34.80	1.018	236.08	119	0.826	
22	13C-1,2,3,7,8,9-HxCDD	1.17e5	1.29	NO	0.679	10.105	35.10	1.027	231.51	117	0.820	
23	13C-1,2,3,4,6,7,8-HpCDD	9.29e4	1.11	NO	0.558	10.105	38.53	1.128	224.13	113	1.26	
24	13C-OCDD	1.10e5	0.90	NO	0.496	10.105	42.34	1.239	299.57	75.7	0.746	
25	13C-2,3,7,8-TCDF	2.78e5	0.79	NO	1.03	10.105	26.52	1.003	254.97	129	0.278	
26	13C-1,2,3,7,8-PeCDF	2.22e5	1.63	NO	0.805	10.105	30.08	1.137	259.04	131	0.487	
27	13C-2,3,4,7,8-PeCDF	2.13e5	1.66	NO	0.748	10.105	31.03	1.173	267.55	135	0.524	
28	13C-1,2,3,4,7,8-HxCDF	1.71e5	0.50	NO	0.968	10.105	33.68	0.986	237.32	120	0.925	
29	13C-1,2,3,6,7,8-HxCDF	1.85e5	0.50	NO	1.08	10.105	33.82	0.990	230.12	116	0.826	
30	13C-2,3,4,6,7,8-HxCDF	1.63e5	0.50	NO	0.960	10.105	34.54	1.011	228.10	115	0.933	

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-12.qld

Last Altered: Monday, April 19, 2021 17:44:36 Pacific Daylight Time

Printed: Monday, April 19, 2021 17:52:02 Pacific Daylight Time

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312, Task: ST210409D1\_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.54e5	0.50	NO	0.869	10.105	35.69	1.044	239.23	121	1.03	
32	13C-1,2,3,4,6,7,8-HpCDF	1.26e5	0.42	NO	0.794	10.105	37.26	1.090	213.79	108	1.04	
33	13C-1,2,3,4,7,8,9-HpCDF	9.66e4	0.42	NO	0.586	10.105	39.29	1.150	222.06	112	1.41	
34	13C-OCDF	1.68e5	0.91	NO	0.711	10.105	42.65	1.248	318.31	80.4	0.616	
35	37Cl-2,3,7,8-TCDD	6.78e4			1.11	10.105	27.10	1.025	93.619	118	0.0803	
36	13C-1,2,3,4-TCDD	1.29e5	0.76	NO	1.00	10.105	26.45	1.000	197.92	100	0.308	
37	13C-1,2,3,4-TCDF	2.10e5	0.82	NO	1.00	10.105	25.21	1.000	197.92	100	0.285	
38	13C-1,2,3,4,6,9-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	197.92	100	0.896	
39	Total Tetra-Dioxins				0.998	10.105			0.00000		0.0565	0.225
40	Total Penta-Dioxins				0.961	10.105			0.00000		0.0466	0.164
41	Total Hexa-Dioxins				1.04	10.105			0.96405		0.285	0.964
42	Total Hepta-Dioxins				1.06	10.105			3.6741		0.304	3.67
43	Total Tetra-Furans				0.989	10.105			0.18509		0.0399	0.185
44	1st Func. Penta-Furans				1.02	10.105					0.0116	
45	Total Penta-Furans				1.02	10.105			0.00000		0.0240	0.0257
46	Total Hexa-Furans				1.13	10.105			0.00000		0.0374	0.0451
47	Total Hepta-Furans				1.11	10.105					0.0349	

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-12.qld

Last Altered: Monday, April 19, 2021 17:44:36 Pacific Daylight Time  
 Printed: Monday, April 19, 2021 17:52:02 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
 Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312, Task: ST210409D1\_1

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	25.33	1.600e3	1.943e3	1.058e2	1.189e2	0.89	YES	0.000e0	0.00000	0.22503	0.0922

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.60	9.990e2	1.971e3	4.336e1	8.930e1	0.49	YES	0.000e0	0.00000	0.16380	0.0466

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.90	5.942e3	5.538e3	3.111e2	2.659e2	1.17	NO	5.770e2	0.96405	0.96405	0.285

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.57	8.970e3	7.360e3	6.091e2	5.581e2	1.09	NO	1.167e3	2.3457	2.3457	0.304
2	1,2,3,4,6,7,8-HpCDD	38.57	5.205e3	4.129e3	3.337e2	3.274e2	1.02	NO	6.610e2	1.3284	1.3284	0.304

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	23.34	1.579e3	1.706e3	1.168e2	1.403e2	0.83	NO	2.571e2	0.18509	0.18509	0.0399

**Penta-Furans function 1**

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

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-12.qld

Last Altered: Monday, April 19, 2021 17:44:36 Pacific Daylight Time  
Printed: Monday, April 19, 2021 17:52:02 Pacific Daylight Time

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312, Task: ST210409D1\_1

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8-PeCDF	30.10	4.840e2	8.420e2	1.790e1	3.505e1	0.51	YES	5.295e1	0.00000	0.025730	0.0595

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDF	35.69	1.024e3	1.445e3	2.095e1	2.347e1	0.89	YES	4.442e1	0.00000	0.045134	0.0478

**Hepta-Furans**

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



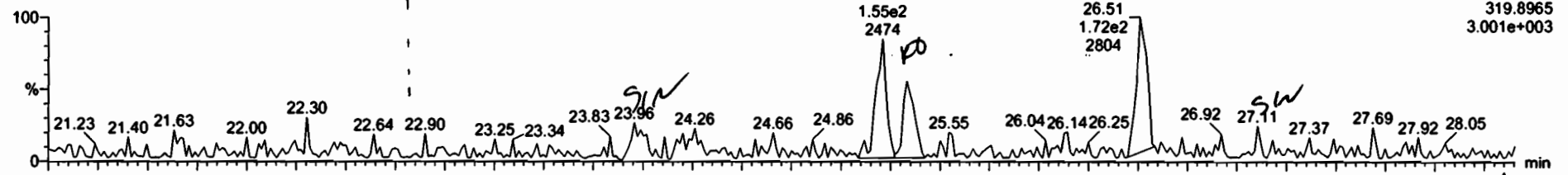
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312

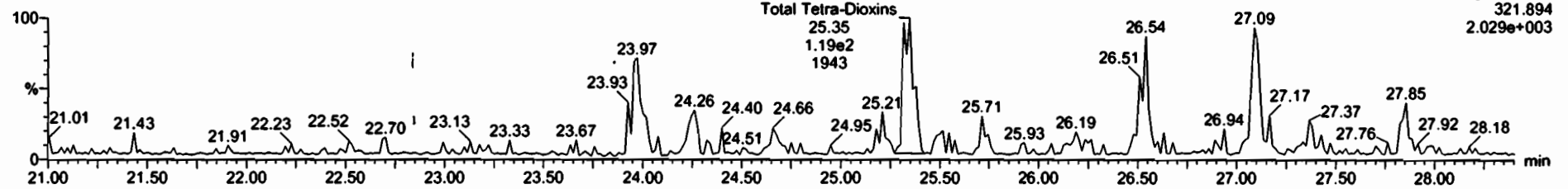
2,3,7,8-TCDD

210409D1\_12



F1:Voltage SIR,EI+  
319.8965  
3.001e+003

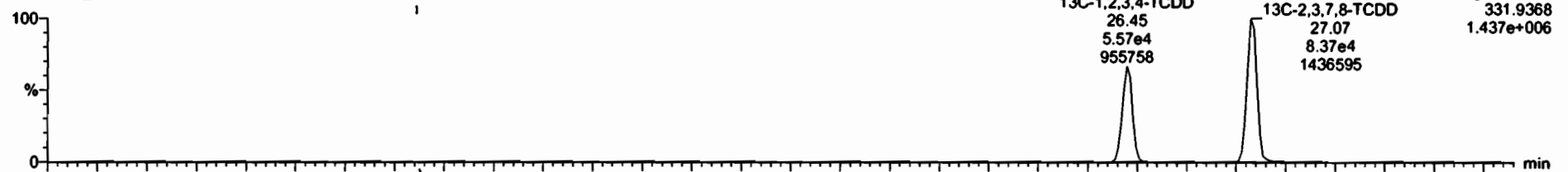
210409D1\_12



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2.029e+003

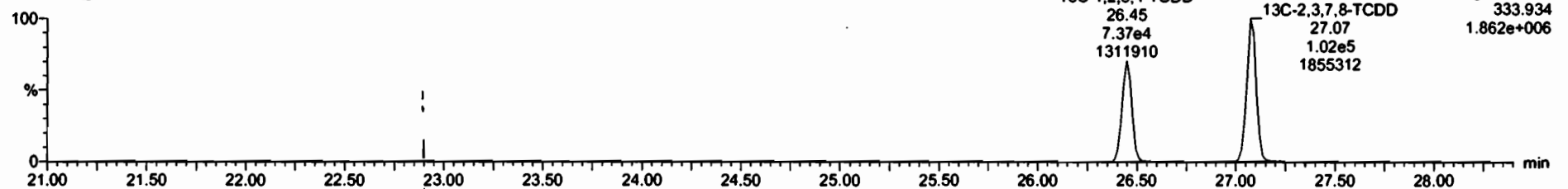
13C-2,3,7,8-TCDD

210409D1\_12



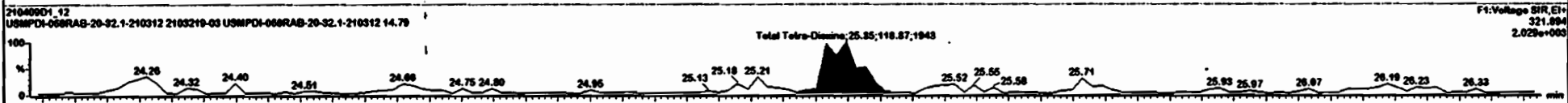
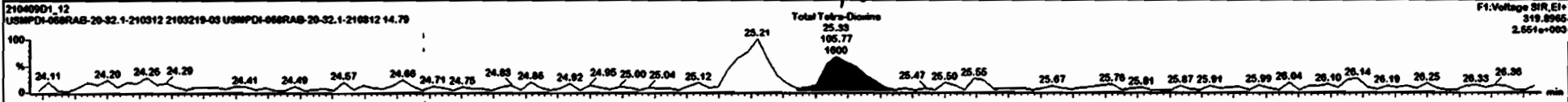
F1:Voltage SIR,EI+  
331.9368  
1.437e+006

210409D1\_12



F1:Voltage SIR,EI+  
333.934  
1.862e+006

Name	Resp	RA	Qty	RRF	urval	RT	RRT	Conc	%Rec	DL	EMPC
20 13C-1,2,3,4,7,8-HxCDD	1.07e5	1.29	NO	0.89	10.105	34.86	1.014	248	121	0.928	
21 13C-1,2,3,6,7,8-HxCDD	1.18e5	1.36	NO	0.87	10.105	34.80	1.018	238	119	0.826	
22 13C-1,2,3,7,8,9-HxCDD	1.17e5	1.29	NO	0.88	10.105	35.10	1.027	232	117	0.820	
23 13C-1,2,3,4,6,7,8-HpCDD	9.28e4	1.11	NO	0.58	10.105	38.53	1.126	224	113	1.26	
24 13C-OCDD	1.10e5	0.90	NO	0.58	10.105	42.34	1.230	306	75.7	0.746	
25 13C-2,3,7,8-TCDF	2.78e5	0.79	NO	1.80	10.105	29.57	1.003	255	129	0.278	
26 13C-1,2,3,7,8-PeCDF	2.22e5	1.63	NO	0.81	10.105	30.88	1.137	259	131	0.487	
27 13C-2,3,4,7,8-PeCDF	2.13e5	1.88	NO	0.75	10.105	31.03	1.173	268	135	0.524	
28 13C-1,2,3,4,7,8-HxCDF	1.71e5	0.58	NO	0.87	10.105	33.68	0.988	237	120	0.925	
29 13C-1,2,3,6,7,8-HxCDF	1.85e5	0.58	NO	1.00	10.105	33.82	0.980	230	118	0.828	
30 13C-2,3,4,6,7,8-HxCDF	1.83e5	0.58	NO	0.98	10.105	34.54	1.011	228	115	0.833	
31 13C-1,2,3,7,8,9-HxCDF	1.54e5	0.58	NO	0.87	10.105	35.89	1.044	239	121	1.07	
32 13C-1,2,3,4,6,7,8-HpCDF	1.28e5	0.42	NO	0.79	10.105	37.28	1.090	214	108	1.04	
33 13C-1,2,3,4,7,8,9-HpCDF	9.88e4	0.42	NO	0.58	10.105	38.29	1.150	222	112	1.41	
34 13C-OCDF	1.88e5	0.91	NO	0.71	10.105	42.85	1.248	318	80.4	0.616	
35 3TC-2,3,7,8-TCDD	8.78e4	1.11	NO	1.11	10.105	27.10	1.025	93.0	118	0.8803	
36 13C-1,2,3,4-TCDD	1.29e5	0.78	NO	1.00	10.105	28.45	1.000	198	100	0.308	
37 13C-1,2,3,4-TCDF	2.18e5	0.82	NO	1.00	10.105	25.21	1.000	198	100	0.285	
38 13C-1,2,3,4,6,8-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	198	100	0.686	
39 Total Tetra-Dioxins				1.00	10.105			0.000		0.0565	0.223
40 Total Penta-Furans				0.88	10.105			0.000		0.0498	0.241



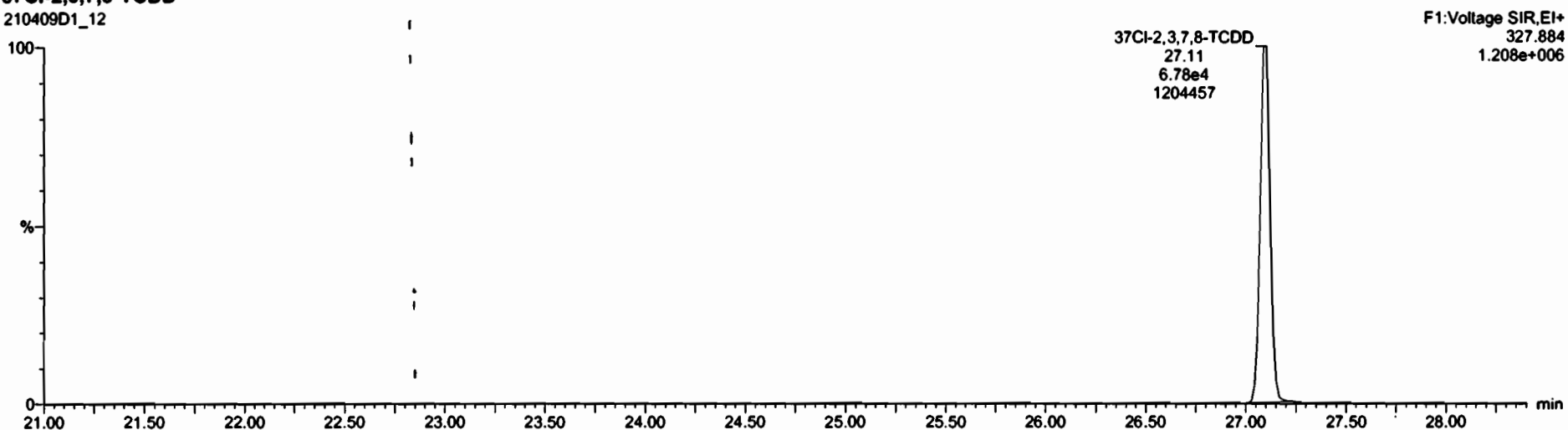
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312

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

210409D1\_12

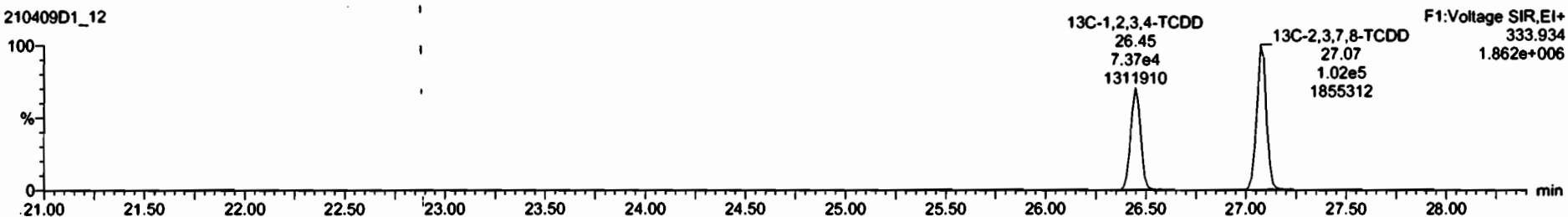


13C-1,2,3,4-TCDD

210409D1\_12



210409D1\_12



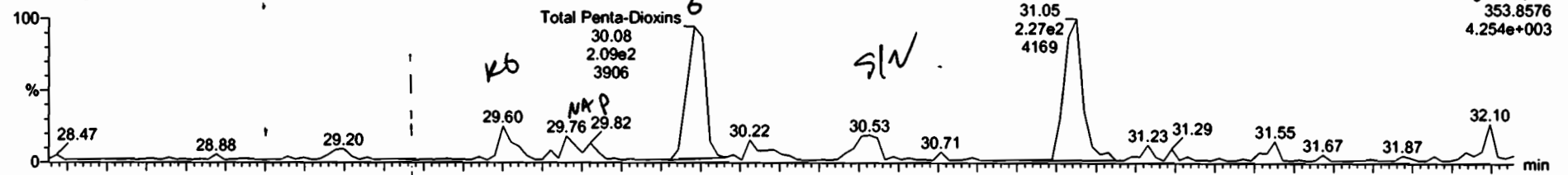
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

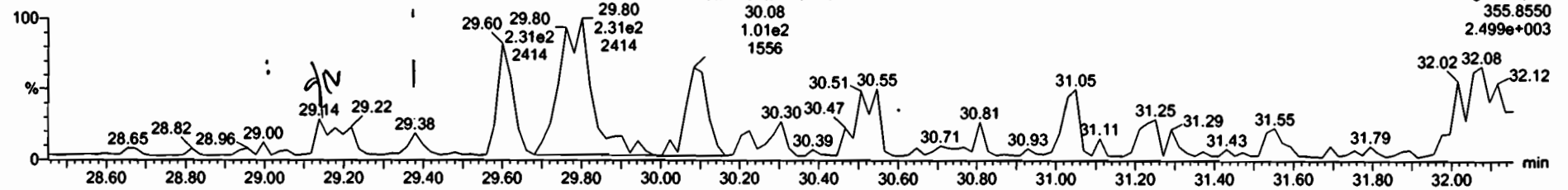
Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312

1,2,3,7,8-PeCDD

210409D1\_12

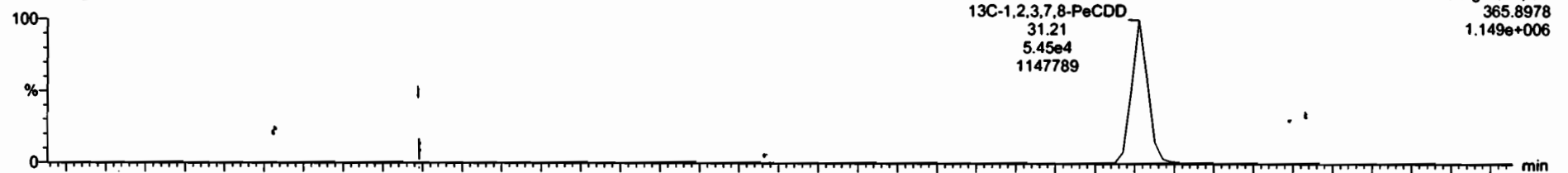


210409D1\_12

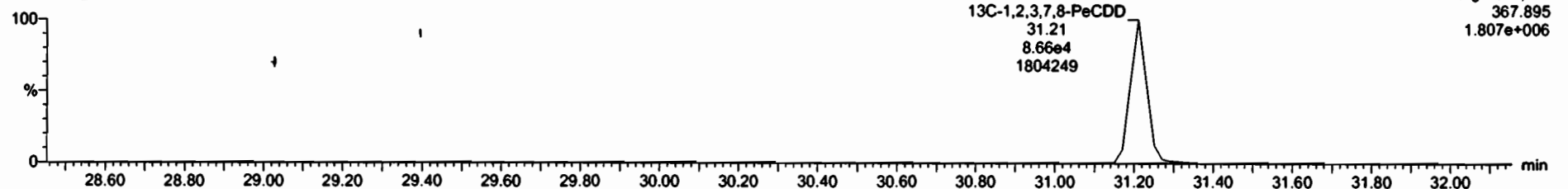


13C-1,2,3,7,8-PeCDD

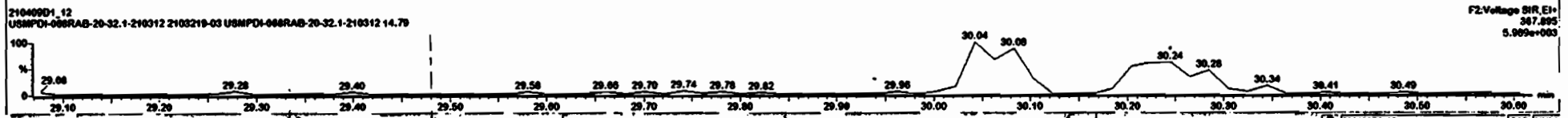
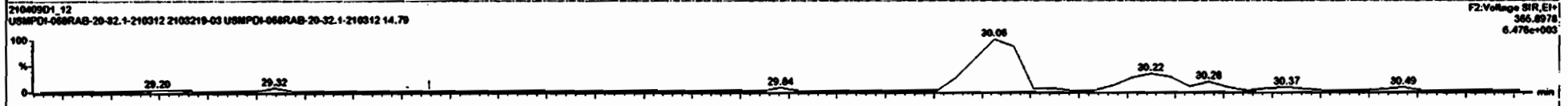
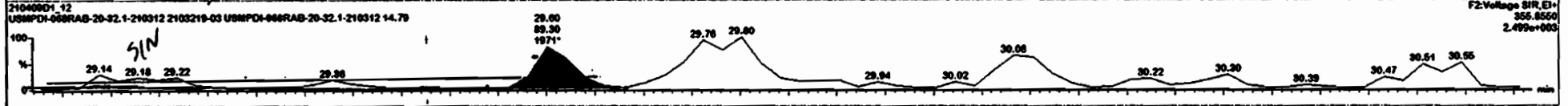
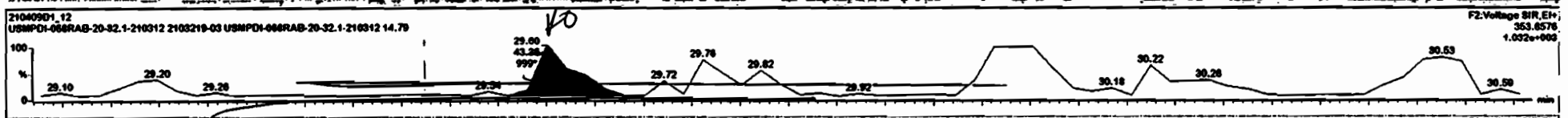
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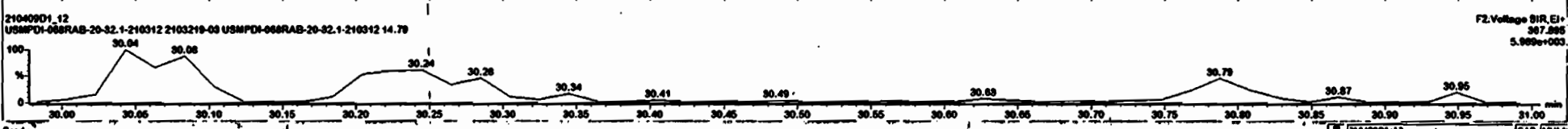
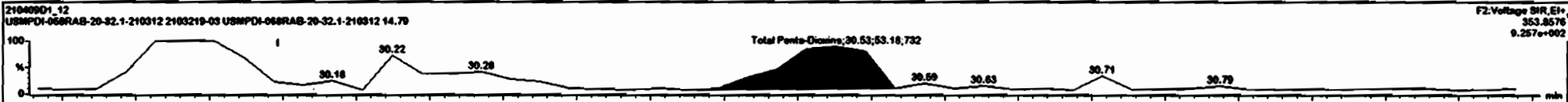
210409D1\_12



Name	Resp	RA	WY	RRF	wrtval	RT	RRT	Conc	%Rec	DL	EMPC
24 13C-OCDD	1.10e5	0.90	NO	0.50	10.105	42.34	1.230	309	75.7	0.745	
25 13C-2,3,7,8-TCDF	2.70e5	0.79	NO	1.00	10.105	26.52	1.000	255	129	0.278	
26 13C-1,2,3,4,7,8-PeCDF	2.22e5	1.63	NO	0.81	10.105	30.08	1.137	259	131	0.487	
27 13C-2,3,4,7,8-PeCDF	2.13e5	1.09	NO	0.75	10.105	31.03	1.173	268	135	0.524	
28 13C-1,2,3,4,7,8-HxCDF	1.71e5	0.50	NO	0.97	10.105	33.08	0.906	237	120	0.825	
29 13C-1,2,3,6,7,8-HxCDF	1.85e5	0.50	NO	1.00	10.105	33.82	0.990	230	116	0.826	
30 13C-2,3,4,6,7,8-HxCDF	1.63e5	0.50	NO	0.90	10.105	34.54	1.011	229	115	0.833	
31 13C-1,2,3,7,8,9-HxCDF	1.54e5	0.50	NO	0.87	10.105	35.00	1.044	230	121	1.03	
32 13C-1,2,3,4,6,7,8-HpCDF	1.20e5	0.42	NO	0.79	10.105	37.28	1.090	214	100	1.04	
33 13C-1,2,3,4,7,8,9-HpCDF	0.89e4	0.42	NO	0.50	10.105	38.20	1.150	222	112	1.41	
34 13C-OCDF	1.00e5	0.91	NO	0.71	10.105	42.85	1.248	318	80.4	0.616	
35 37Cl-2,3,7,8-TCDD	0.78e4			1.11	10.105	27.10	1.825	93.0	118	0.0603	
36 13C-1,2,3,4-TCDD	1.29e5	0.78	NO	1.00	10.105	28.45	1.000	190	100	0.306	
37 13C-1,2,3,4-TCDF	2.10e5	0.82	NO	1.00	10.105	25.21	1.000	198	100	0.283	
38 13C-1,2,3,4,6,8-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	190	100	0.895	
39 Total Tetra-Dioxins				1.00	10.105			0.000		0.0565	0.225
40 Total Penta-Dioxins				0.98	10.105					0.0485	
41 Total Hexa-Dioxins				1.04	10.105			0.970		0.285	1.55
42 Total Hepta-Dioxins				1.00	10.105			3.70		0.304	3.70
43 Total Tetra-Furans				0.99	10.105			0.197		0.0309	0.197
44 Total Penta-Furans				1.00	10.105					0.0100	



#	Name	Resp	RA	Rely	RRF	Intval	RT	RRT	Conc	%Rec	DL	EMPC
24	13C-OCDD	1.18e5	0.90	NO	0.50	10.105	42.34	1.230	300	75.7	0.740	
25	13C-2,3,7,8-TCDF	2.78e5	0.79	NO	1.03	10.105	26.52	1.003	256	129	0.278	
26	13C-1,2,3,7,8-PeCDF	2.22e5	1.63	NO	0.81	10.105	30.08	1.137	259	131	0.487	
27	13C-2,3,4,7,8-PeCDF	2.13e5	1.00	NO	0.75	10.105	31.03	1.173	268	135	0.524	
28	13C-1,2,3,4,7,8-HxCDF	1.71e5	0.50	NO	0.97	10.105	33.68	0.988	237	120	0.925	
29	13C-1,2,3,6,7,8-HxCDF	1.85e5	0.50	NO	1.08	10.105	33.82	0.990	230	116	0.826	
30	13C-2,3,4,6,7,8-HxCDF	1.63e5	0.50	NO	0.98	10.105	34.54	1.011	228	115	0.933	
31	13C-1,2,3,7,8,9-HxCDF	1.54e5	0.50	NO	0.87	10.105	35.68	1.044	230	121	1.03	
32	13C-1,2,3,4,6,7,8-HpCDF	1.28e5	0.42	NO	0.79	10.105	37.28	1.090	214	108	1.04	
33	13C-1,2,3,4,7,8,9-HpCDF	0.88e4	0.42	NO	0.50	10.105	39.29	1.150	222	112	1.41	
34	13C-OCDF	1.69e5	0.91	NO	0.71	10.105	42.05	1.248	318	80.4	0.610	
35	37Cl-2,3,7,8-TCDD	0.78e4				10.105	27.10	1.625	93.0	118	0.0803	
36	13C-1,2,3,4-TCDD	1.29e5	0.78	NO	1.00	10.105	28.45	1.000	198	100	0.308	
37	13C-1,2,3,4-TCDF	2.10e5	0.82	NO	1.00	10.105	25.21	1.000	198	100	0.285	
38	13C-1,2,3,4,6,8-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	198	100	0.896	
39	Total Tetra-Dioxine				1.00	10.105			0.000		0.0565	0.225
40	Total Penta-Dioxine				0.98	10.105			0.194		0.0408	0.194
41	Total Hexa-Dioxine				1.04	10.105			0.970		0.285	1.53
42	Total Hepta-Dioxine				1.06	10.105			3.70		0.304	3.70
43	Total Tetra-Furane				0.99	10.105			0.197		0.0399	0.197
44	Total Penta-Furane				1.02	10.105					0.0114	



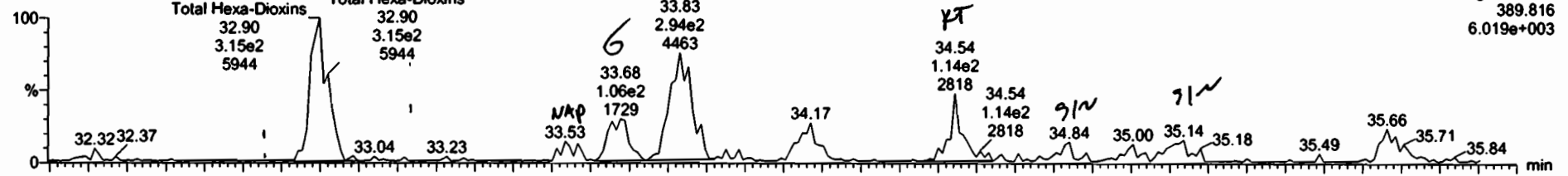
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312

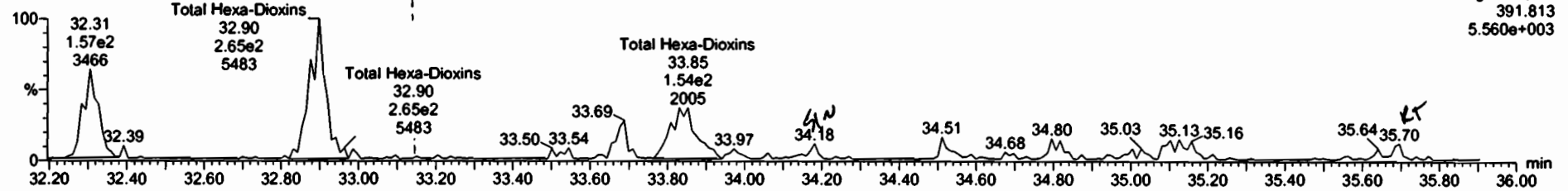
1,2,3,4,7,8-HxCDD

210409D1\_12



F3: Voltage SIR, EI+  
389.816  
6.019e+003

210409D1\_12



F3: Voltage SIR, EI+  
391.813  
5.560e+003

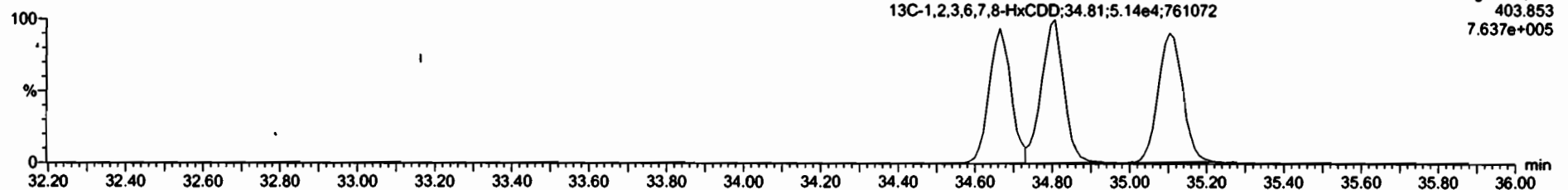
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210409D1\_12



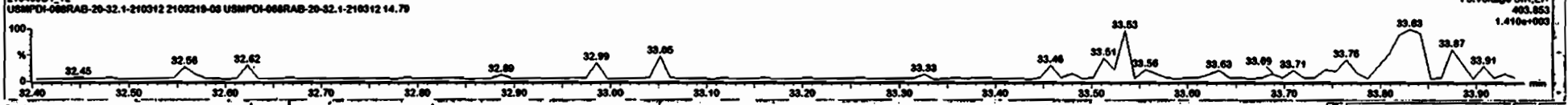
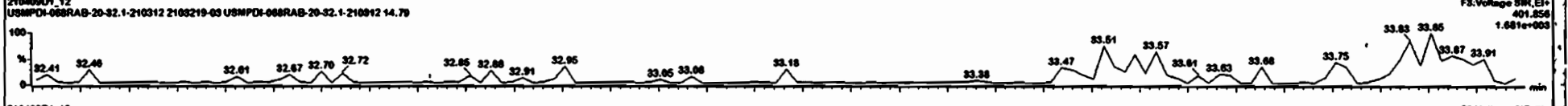
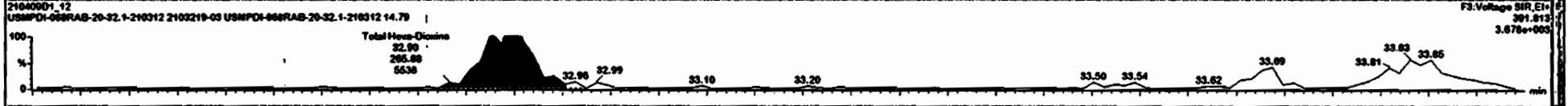
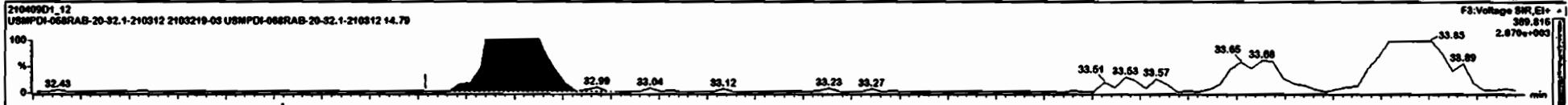
F3: Voltage SIR, EI+  
401.856  
9.670e+005

210409D1\_12



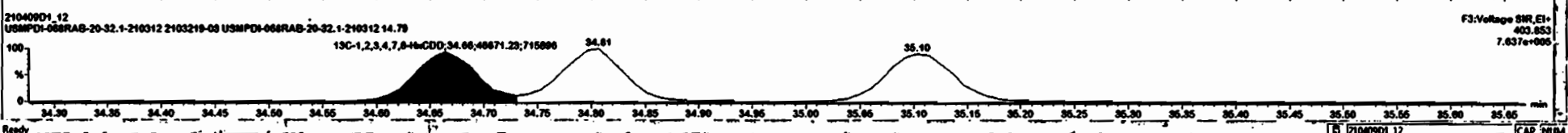
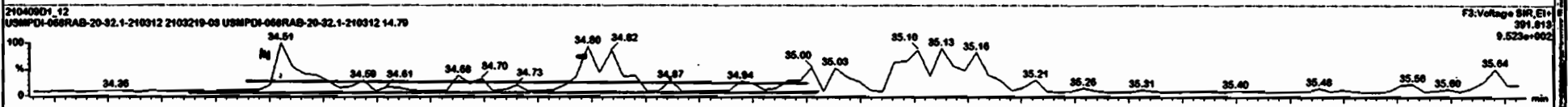
F3: Voltage SIR, EI+  
403.853  
7.637e+005

Num	Comp	Resp	RA	aly	RFV	wt/wt	RT	RRT	Conc	%Rec	q	DL	EMPC
24	13C-OCDD	1.18e5	0.90	NO	0.50	10.105	42.34	1.230	300	75.7		0.740	
25	13C-2,3,7,8-TCDF	2.78e5	0.79	NO	1.00	10.105	26.52	1.000	255	129		0.278	
26	13C-1,2,3,7,8-PeCDF	2.22e5	1.63	NO	0.81	10.105	30.00	1.137	250	131		0.407	
27	13C-2,3,4,7,8-HxCDF	2.13e5	1.06	NO	0.75	10.105	31.03	1.173	268	135		0.524	
28	13C-1,2,3,4,7,8-HxCDF	1.71e5	0.50	NO	0.97	10.105	33.68	0.686	237	120		0.825	
29	13C-1,2,3,6,7,8-HxCDF	1.85e5	0.50	NO	1.00	10.105	33.82	0.690	230	116		0.820	
30	13C-2,3,4,6,7,8-HxCDF	1.83e5	0.50	NO	0.90	10.105	34.54	1.011	220	115		0.933	
31	13C-1,2,3,7,8,9-HxCDF	1.54e5	0.50	NO	0.87	10.105	35.00	1.044	230	121		1.03	
32	13C-1,2,3,4,6,7,8-HpCDF	1.20e5	0.42	NO	0.79	10.105	37.26	1.090	214	100		1.04	
33	13C-1,2,3,4,7,8,9-HpCDF	9.66e4	0.42	NO	0.50	10.105	30.29	1.150	222	112		1.41	
34	13C-OCDF	1.68e5	0.91	NO	0.71	10.105	42.85	1.248	131	60.4		0.618	
35	37Cl-2,3,7,8-TCDD	0.78e4			1.11	10.105	27.10	1.025	93.0	118		0.0003	
36	13C-1,2,3,4-TCDD	1.29e5	0.78	NO	1.00	10.105	26.45	1.000	190	100		0.300	
37	13C-1,2,3,4-TCDF	2.10e5	0.82	NO	1.00	10.105	25.21	1.000	190	100		0.285	
38	13C-1,2,3,4,6,9-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	190	100		0.680	
39	Total Tetra-Dioxins				1.00	10.105			0.000			0.0565	0.225
40	Total Penta-Dioxins				0.90	10.105						0.0400	
41	Total Hexa-Dioxins				1.04	10.105			0.004			0.265	0.604
42	Total Hepta-Dioxins				1.00	10.105			3.70			0.304	3.70
43	Total Tetra-Furans				0.99	10.105			0.197			0.0309	0.197
44	Total Fluor. Penta-Furans				1.07	10.105						0.0100	





Name	Ret	RA	Ay	RF	RT	RRT	Conc	%Rec	Q	DL	EMPC
24 13C-OCDD	1.18e5	0.99	NO	0.58	10.105	42.34	1.229	300	75.7		0.748
25 13C-2,3,7,8-TCDF	2.78e5	0.79	NO	1.03	10.105	26.52	1.603	255	129		0.278
26 13C-1,2,3,7,8-PeCDF	2.22e5	1.63	NO	0.81	10.105	30.88	1.137	259	131		0.487
27 13C-2,3,4,7,8-PeCDF	2.13e5	1.88	NO	0.75	10.105	31.83	1.173	268	135		0.524
28 13C-1,2,3,4,7,8-HxCDF	1.71e5	0.58	NO	0.97	10.105	33.68	0.986	237	120		0.925
29 13C-1,2,3,6,7,8-HxCDF	1.85e5	0.58	NO	1.06	10.105	33.82	0.990	239	116		0.826
30 13C-2,3,4,6,7,8-HxCDF	1.83e5	0.58	NO	0.98	10.105	34.54	1.011	228	115		0.933
31 13C-1,2,3,7,8,9-HxCDF	1.54e5	0.58	NO	0.87	10.105	35.09	1.044	239	121		1.03
32 13C-1,2,3,4,6,7,8-HpCDF	1.26e5	0.42	NO	0.79	10.105	37.26	1.090	214	108		1.04
33 13C-1,2,3,4,7,8,9-HpCDF	0.86e4	0.42	NO	0.58	10.105	39.29	1.150	222	112		1.41
34 13C-OCDF	1.68e5	0.91	NO	0.71	10.105	42.05	1.248	318	89.4		0.618
35 37Cl-2,3,7,8-TCDD	0.78e4			1.11	10.105	27.10	1.025	93.0	118		0.0803
36 13C-1,2,3,4-TCDD	1.29e5	0.78	NO	1.00	10.105	28.45	1.080	190	100		0.308
37 13C-1,2,3,4-TCDF	2.18e5	0.82	NO	1.00	10.105	25.21	1.000	190	100		0.285
38 13C-1,2,3,4,8,9-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	180	100		0.686
39 Total Tetra-Dioxins				1.00	10.105			0.600			0.6505
40 Total Penta-Dioxins				0.90	10.105						0.4080
41 Total Hexa-Dioxins				1.04	10.105			0.978			0.978
42 Total Hepta-Dioxins				1.06	10.105			3.70			3.70
43 Total Tetra-Furans				0.99	10.105			0.187			0.197
44 Total Furans, Penta-Furans				1.02	10.105						0.8118

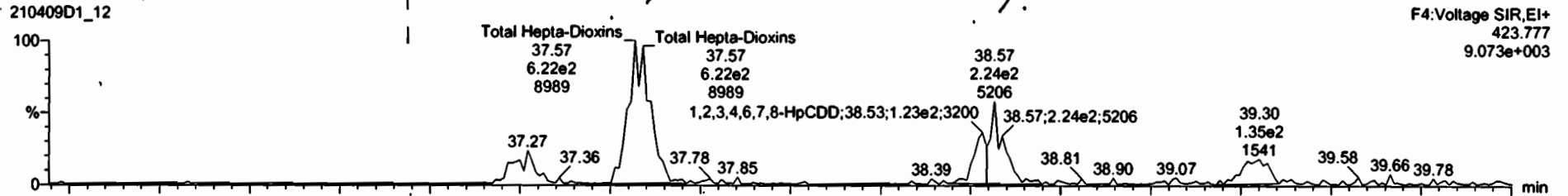


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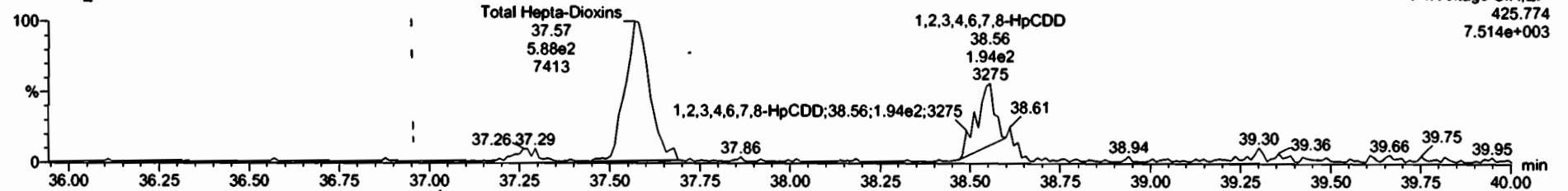
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Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312

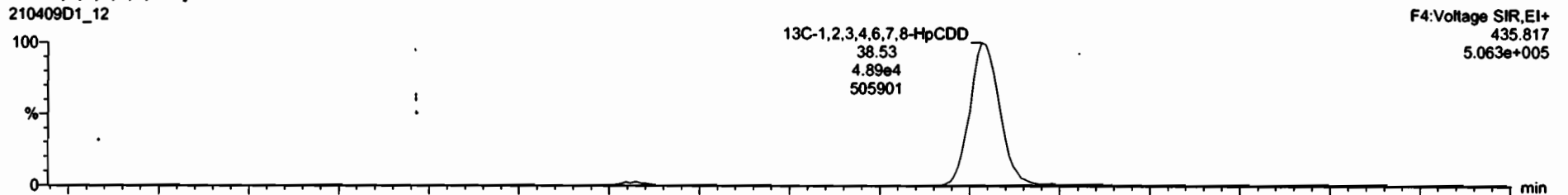
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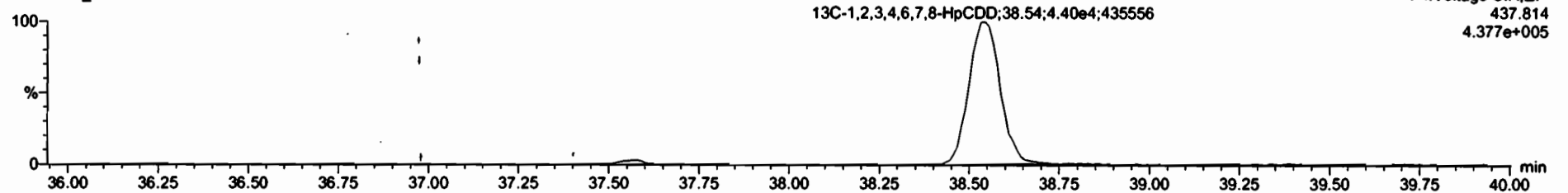
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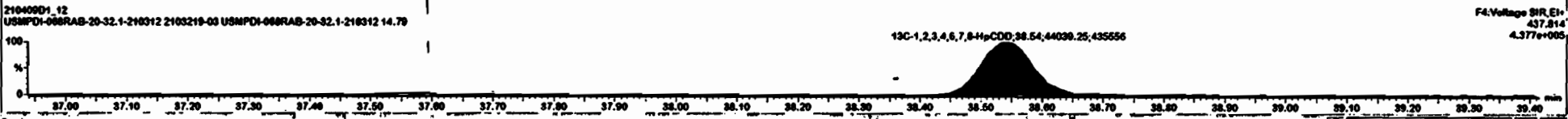
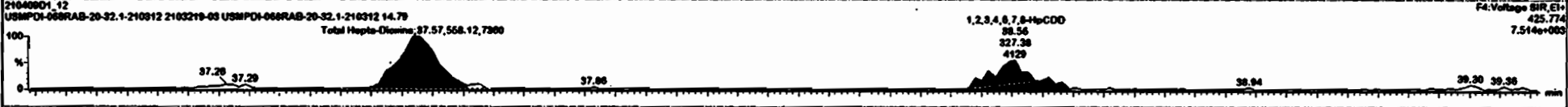
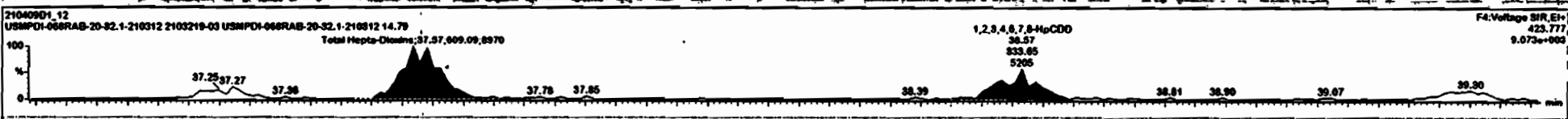
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210409D1\_12



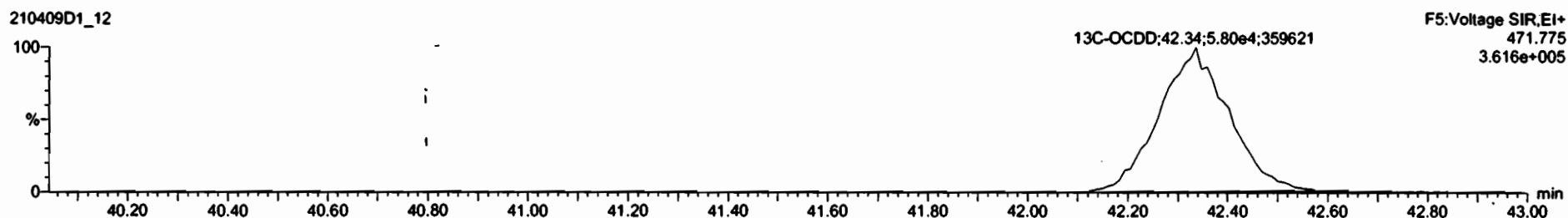
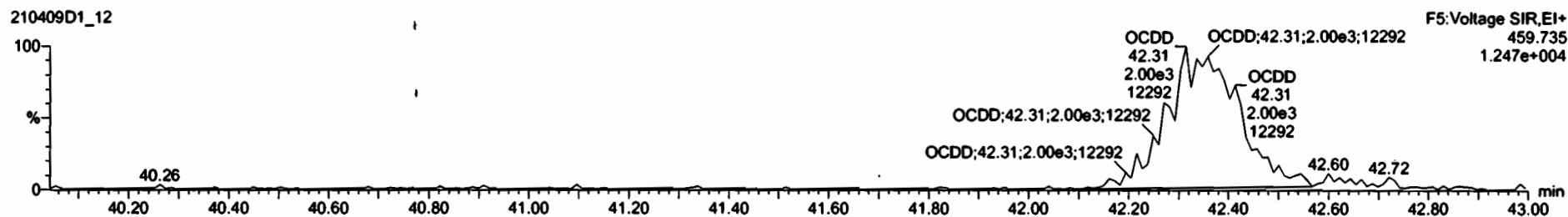
Peak	Name	Area	RA	dy	RRF	wRet	RT	RRT	Conc	%Rec	DL	EMPC
24	13C-OCDD	1.18e5	0.99	NO	0.50	10.105	42.34	1.230	300	75.7	0.748	
25	13C-2,3,7,8-TCDF	2.78e5	0.79	NO	1.00	10.105	26.52	1.903	255	129	0.278	
26	13C-1,2,3,4,7,8-PeCDF	2.22e5	1.63	NO	0.81	10.105	30.08	1.137	259	131	0.487	
27	13C-2,3,4,7,8-PeCDF	2.13e5	1.68	NO	0.75	10.105	31.83	1.173	268	135	0.524	
28	13C-1,2,3,4,6,7,8-HpCDF	1.71e5	0.50	NO	0.97	10.105	33.08	0.995	237	120	0.925	
29	13C-1,2,3,6,7,8-HpCDF	1.85e5	0.50	NO	1.00	10.105	33.82	0.990	230	116	0.820	
30	13C-2,3,4,6,7,8-HpCDF	1.83e5	0.50	NO	0.98	10.105	34.54	1.011	228	115	0.933	
31	13C-1,2,3,7,8,9-HpCDF	1.54e5	0.50	NO	0.87	10.105	35.09	1.044	239	121	1.03	
32	13C-1,2,3,4,6,7,8-HpCDD	1.28e5	0.42	NO	0.79	10.105	37.20	1.090	214	108	1.04	
33	13C-1,2,3,4,7,8,9-HpCDD	9.88e4	0.42	NO	0.59	10.105	39.29	1.150	222	112	1.41	
34	13C-OCDF	1.68e5	0.91	NO	0.71	10.105	42.65	1.248	318	89.4	0.816	
35	37Cl-2,3,7,8-TCDD	6.78e4	1.11	NO	1.05	27.16	1.025	93.6	118	0.0803		
36	13C-1,2,3,4-TCDD	1.28e5	0.76	NO	1.00	10.105	26.45	1.000	198	100	0.308	
37	13C-1,2,3,4-TCDF	2.10e5	0.82	NO	1.00	10.105	25.21	1.000	198	100	0.285	
38	13C-1,2,3,4,6,8,9-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	198	100	0.896	
39	Total Tetra-Dioxins				1.00	10.105			6.900	0.0565	0.225	
40	Total Penta-Dioxins				0.90	10.105				0.0488		
41	Total Hexa-Dioxins				1.04	10.105			0.984	0.285	0.984	
42	Total Hepta-Dioxins				1.00	10.105			3.87	0.304	3.67	
43	Total Tetra-Furans				0.99	10.105			0.197	0.8299	0.197	
44	Total Penta-Furans				1.07	10.105				0.0191		



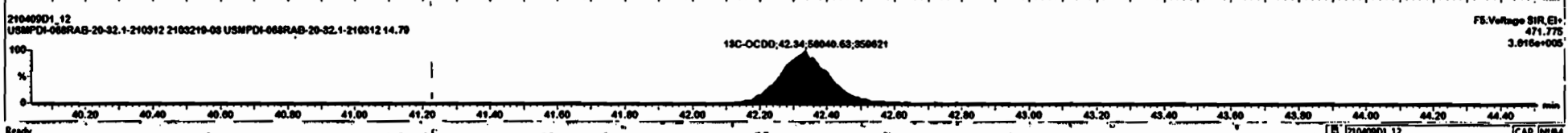
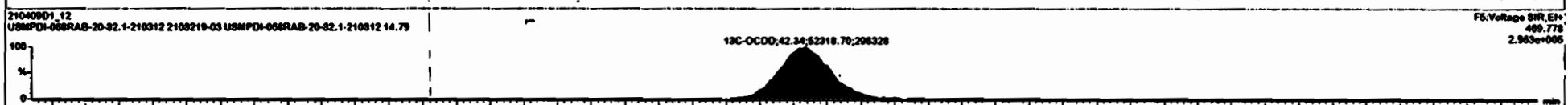
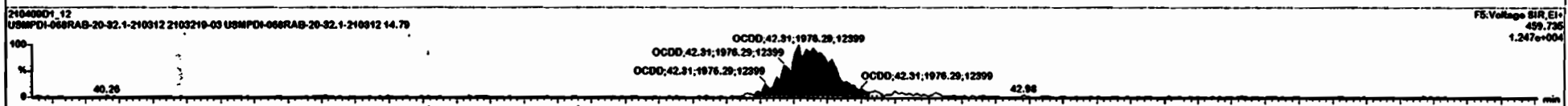
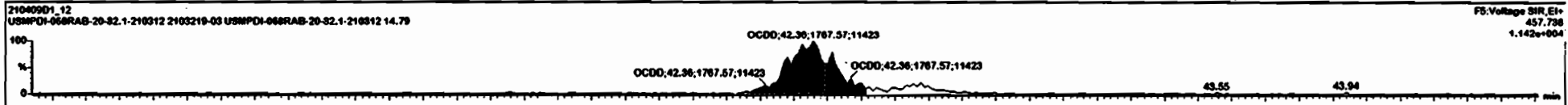
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312



SL	Name	Resp	SA	Int	SNF	Signal	RT	RRT	Conc	%Rec	DL	EMPC
4	1,2,3,6,7,8-HxCDD			NO	1.84	10.105					0.270	
5	1,2,3,7,8-HxCDD			NO	1.88	10.105					0.289	
6	1,2,3,4,6,7,8-HpCDD	6.81e2	1.82	NO	1.08	10.105	38.57	1.801	1.33		0.304	1.33
7	OCDD	3.74e3	0.89	NO	0.88	10.105	42.36	1.801	13.7		1.05	13.7
8	2,3,7,8-TCDF			NO	0.99	10.105					0.0399	
9	1,2,3,7,8-PeCDF	4.85e1	0.53	YES	1.02	10.105	30.10	1.801	0.0424		0.0585	0.0242
10	2,3,4,7,8-PeCDF			NO	1.17	10.105					0.0093	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.105					0.0588	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.105					0.0832	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.105					0.0720	
14	1,2,3,7,8-HxCDF			NO	1.07	10.105					0.0881	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.105					0.0701	
16	1,2,3,4,7,8-HpCDF			NO	1.32	10.105					0.105	
17	OCDF			NO	0.93	10.105					0.245	
18	13C-2,3,7,8-TCDD	1.88e5	0.82	NO	1.20	10.105	27.00	1.824	236	119	0.256	
19	13C-1,2,3,7,8-PeCDD	1.41e5	0.63	NO	0.88	10.105	31.21	1.180	250	126	0.356	
20	13C-1,2,3,4,7,8-HxCDD	1.07e5	1.29	NO	0.60	10.105	34.86	1.014	240	121	0.928	
21	13C-1,2,3,6,7,8-HxCDD	1.18e5	1.30	NO	0.67	10.105	34.80	1.018	236	119	0.826	
22	13C-1,2,3,7,8-HxCDD	1.17e5	1.29	NO	0.68	10.105	35.10	1.027	232	117	0.820	
23	13C-1,2,3,4,6,7,8-HpCDD	9.29e4	1.11	NO	0.56	10.105	38.53	1.126	224	113	1.20	
24	13C-OCDD	1.18e5	0.88	NO	0.58	10.105	42.34	1.730	304	157	0.748	



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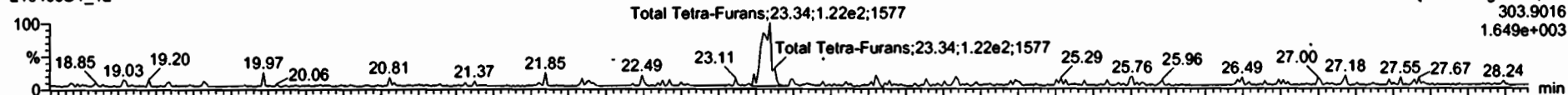
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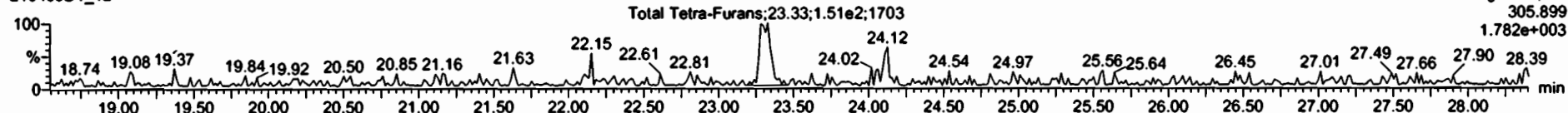
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**2,3,7,8-TCDF**

210409D1\_12

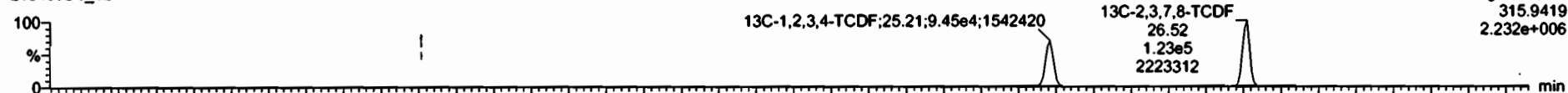


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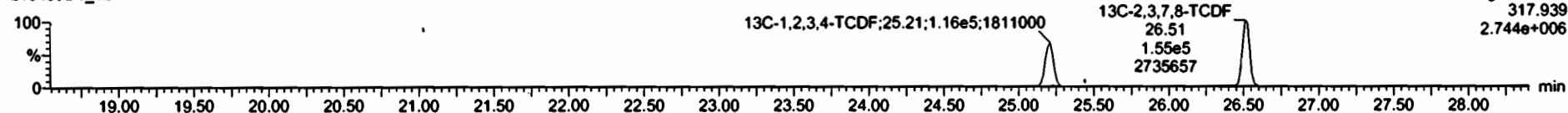


**13C-2,3,7,8-TCDF**

210409D1\_12

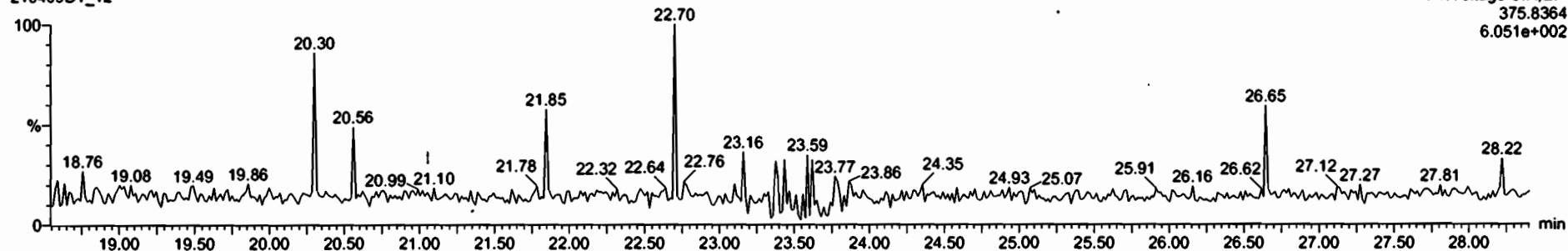


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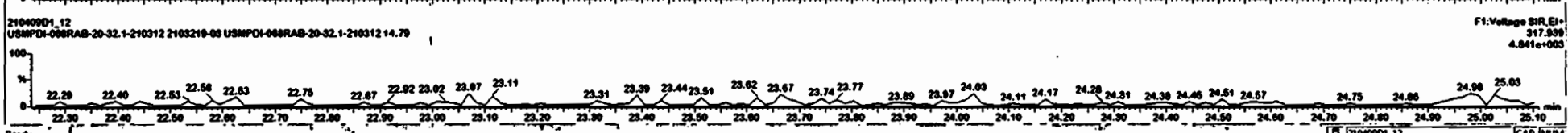
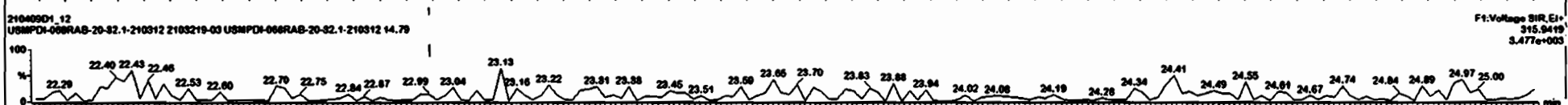
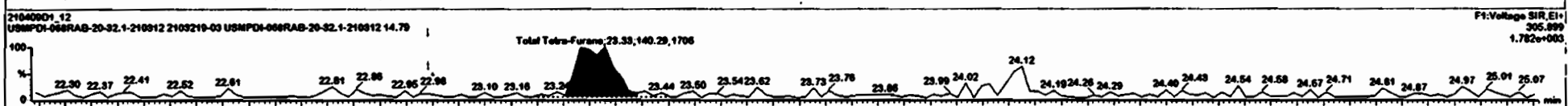
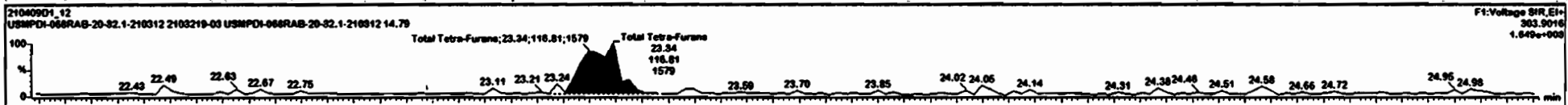


**DPE1**

210409D1\_12



#	Name	Resp	RA	Qty	RPY	Wt/Wt	RT	RRT	Canc	%Rec	g	DL	EMPC
27	13C-2,3,4,7,8-PeCDF	2.13e5	1.05	NO	0.75	10.105	31.83	1.173	268	135	0.524		
28	13C-1,2,3,4,7,8-HxCDF	1.71e5	0.50	NO	0.97	10.105	33.68	0.986	237	120	0.925		
29	13C-1,2,3,6,7,8-HxCDF	1.85e5	0.50	NO	1.00	10.105	33.82	0.990	230	118	0.826		
30	13C-2,3,4,6,7,8-HxCDF	1.63e5	0.50	NO	0.80	10.105	34.54	1.011	228	115	0.933		
31	13C-1,2,3,7,8,9-HxCDF	1.54e5	0.50	NO	0.87	10.105	35.09	1.044	230	121	1.03		
32	13C-1,2,3,4,6,7,8-HxCDF	1.26e5	0.42	NO	0.79	10.105	37.26	1.090	214	106	1.04		
33	13C-1,2,3,4,7,8,9-HxCDF	9.06e4	0.42	NO	0.59	10.105	39.29	1.150	222	112	1.41		
34	13C-OCDF	1.68e5	0.91	NO	0.71	10.105	42.85	1.248	318	80.4	0.616		
35	37Cl-2,3,7,8-TCDD	6.78e4			1.11	10.105	27.10	1.025	93.6	178	0.0803		
36	13C-1,2,3,4-TCDD	1.29e5	0.78	NO	1.00	10.105	26.45	1.000	190	100	0.308		
37	13C-1,2,3,4-TCDF	2.10e5	0.82	NO	1.00	10.105	25.21	1.000	190	100	0.285		
38	13C-1,2,3,4,6,9-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	190	100	0.638		
39	Total Tetra-Dioxins				1.09	10.105			0.000		0.0565	0.225	
40	Total Penta-Dioxins				0.95	10.105					0.0406		
41	Total Hexa-Dioxins				1.04	10.105			0.904		0.285	0.964	
42	Total Hepta-Dioxins				1.00	10.105			3.67		0.304	3.67	
43	Total Tetra-Furans				0.99	10.105			6.185		0.0380	0.165	
44	1st Func. Penta-Furans				1.02	10.105					0.0116		
45	Total Penta-Furans				1.82	10.105			0.000		0.0240	0.6242	
46	Total Hexa-Furans				1.13	10.105					0.0374		
47	Total Hepta-Furans				1.11	10.105					0.0348		



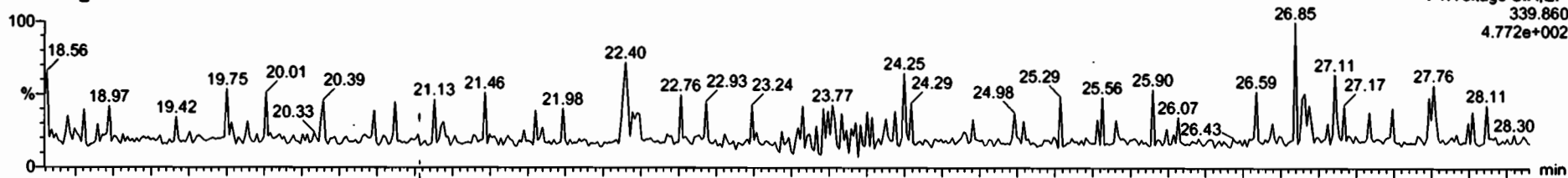
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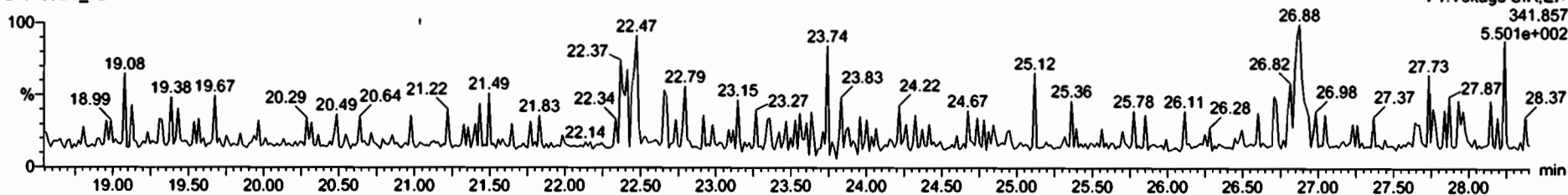
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1st Func. Penta-Furans

210409D1\_12

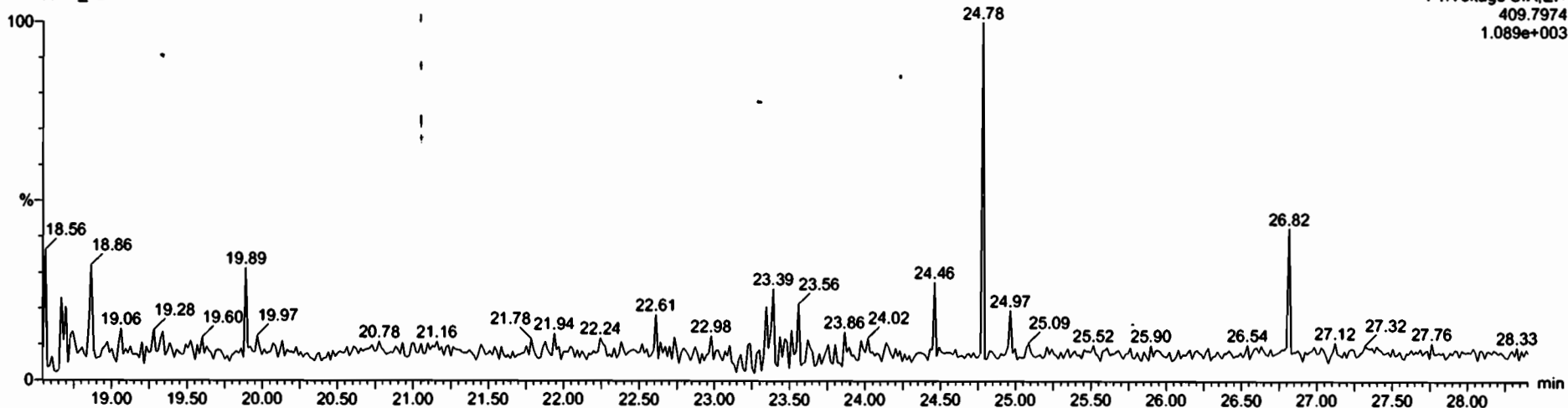


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DPE6

210409D1\_12





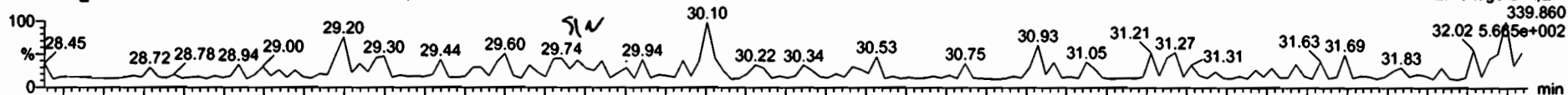
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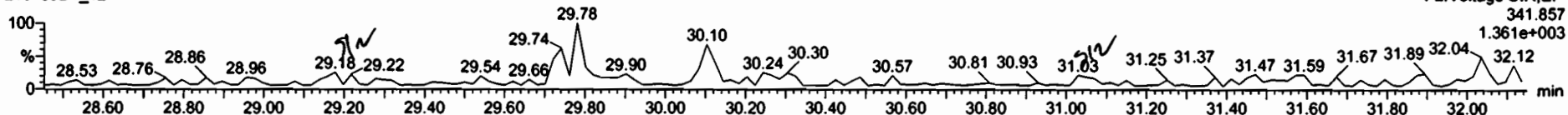
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1,2,3,7,8-PeCDF

210409D1\_12



210409D1\_12

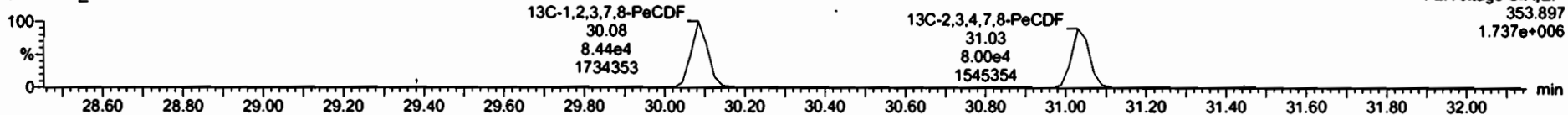


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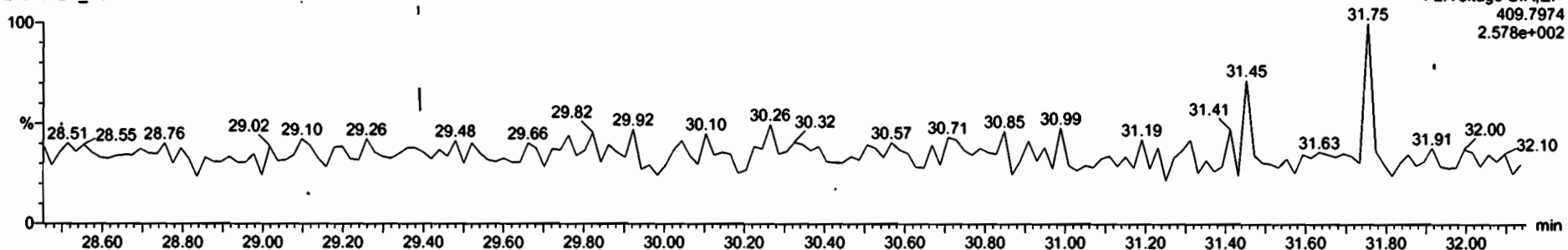


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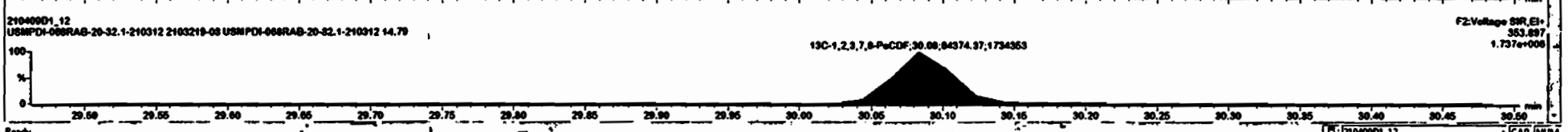
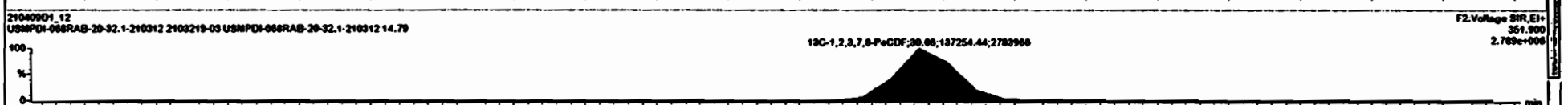
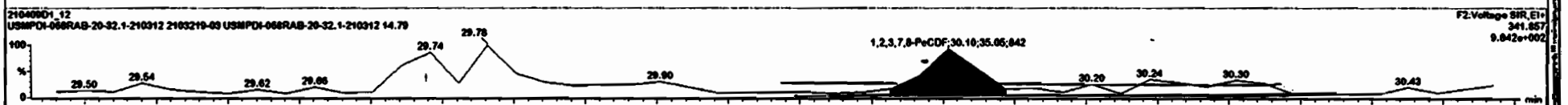
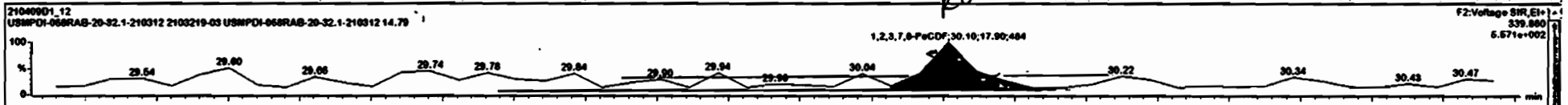


DPE2

210409D1\_12



#	Name	Resp	RA	Qty	RRF	arrval	RT	MRT	Conc	%Rec	D	DL	EMPC
27	13C-1,2,3,4,7,8-PeCDF	2.13e5	1.88	NO	0.75	10.105	31.83	1.173	268	135	0.524		
28	13C-1,2,3,4,7,8-HxCDF	1.71e5	0.50	NO	0.97	10.105	33.68	0.988	237	120	0.925		
29	13C-1,2,3,4,7,8-HxCDF	1.85e5	0.50	NO	1.00	10.105	33.82	0.990	239	116	0.826		
30	13C-2,3,4,6,7,8-HxCDF	1.63e5	0.50	NO	0.90	10.105	34.54	1.011	229	115	0.933		
31	13C-1,2,3,7,8-HxCDF	1.54e5	0.50	NO	0.87	10.105	35.60	1.044	239	121	1.03		
32	13C-1,2,3,4,6,7,8-HxCDF	1.29e5	0.42	NO	0.79	10.105	37.28	1.090	214	108	1.04		
33	13C-1,2,3,4,7,8,9-HxCDF	9.89e4	0.42	NO	0.59	10.105	39.29	1.150	222	112	1.41		
34	13C-OCDF	1.88e5	0.91	NO	0.71	10.105	42.85	1.248	318	80.4	0.616		
35	37Cl-2,3,7,8-TCDD	6.78e4			1.11	10.105	27.10	1.025	93.6	118	0.0803		
36	13C-1,2,3,4-TCDD	1.29e5	0.76	NO	1.08	10.105	26.45	1.000	180	100	0.306		
37	13C-1,2,3,4-TCDF	2.10e5	0.82	NO	1.80	10.105	25.21	1.000	180	100	0.285		
38	13C-1,2,3,4,6,9-HxCDF	1.47e5	0.51	NO	1.00	10.105	34.17	1.000	190	100	0.898		
39	Total Tetra-Dioxins				1.00	10.105		0.000			0.0565	0.225	
40	Total Penta-Dioxins				0.98	10.105					0.0488		
41	Total Hexa-Dioxins				1.04	10.105		0.954			0.285	0.984	
42	Total Hepta-Dioxins				1.08	10.105		3.67			0.304	3.67	
43	Total Tetra-Furans				0.90	10.105		0.185			0.0399	0.183	
44	1st Func. Penta-Furans				1.02	10.105					0.0110		
45	Total Penta-Furans				1.02	10.105		0.000			0.0248	0.8257	
46	Total Hexa-Furans				1.13	10.105					0.0374		
47	Total Hepta-Furans				1.11	10.105					0.0149		



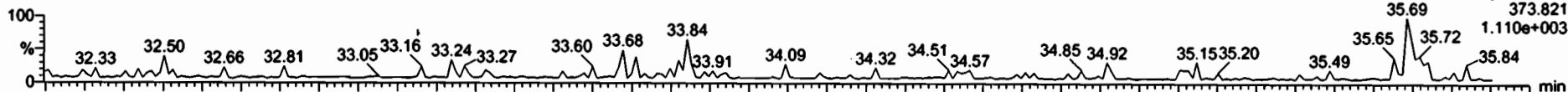
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

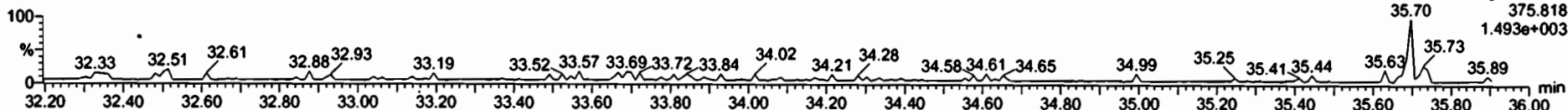
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1,2,3,4,7,8-HxCDF

210409D1\_12

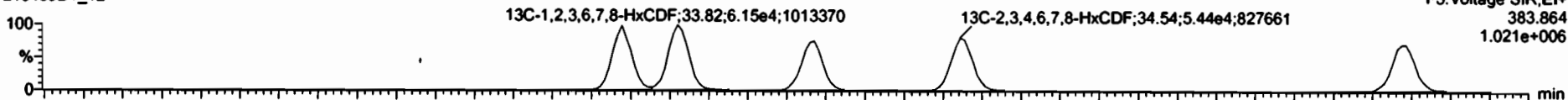


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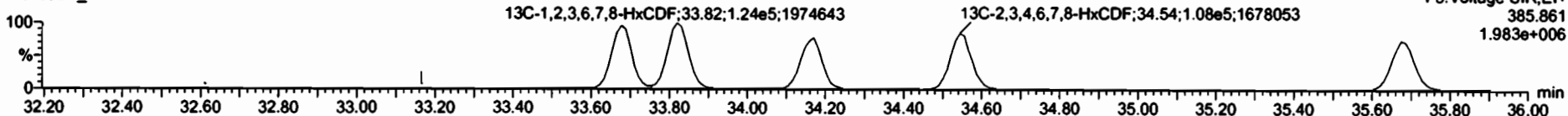


13C-1,2,3,4,7,8-HxCDF

210409D1\_12

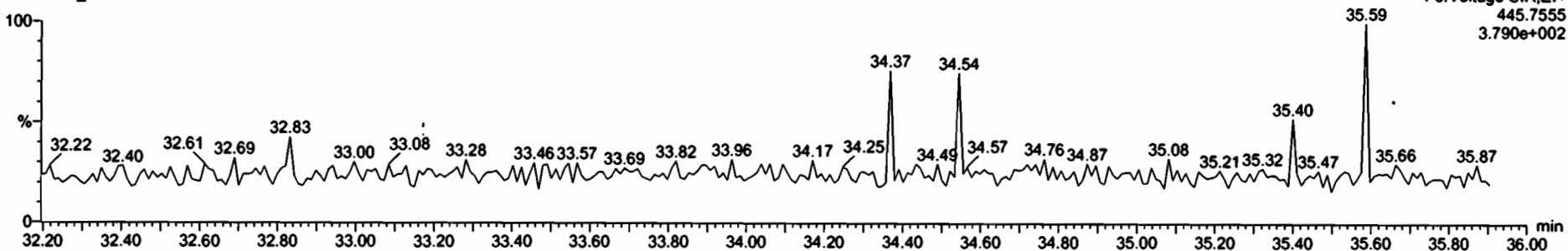


210409D1\_12

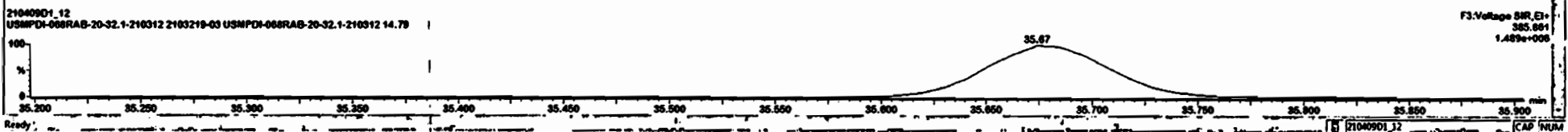
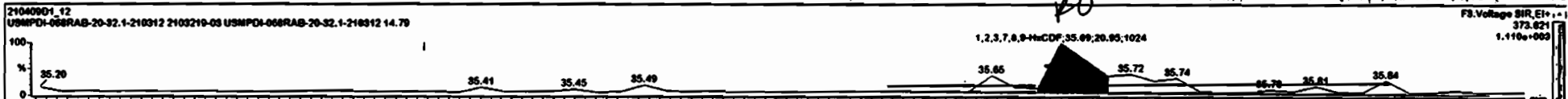


DPE3

210409D1\_12



#	Name	RetSP	RA	nly	RRF	intVal	RT	RRT	Conc	%Rec	DL	EMPC
27	13C-1,2,3,4,7,8-PeCDF	2.13e5	1.88	NO	0.75	10.105	31.03	1.173	268	135	0.524	
28	13C-1,2,3,4,7,8-HxCDF	1.71e5	0.50	NO	0.97	10.105	33.68	0.986	237	120	0.925	
29	13C-1,2,3,4,6,7,8-HxCDF	1.85e5	0.50	NO	1.08	10.105	33.82	0.990	230	116	0.826	
30	13C-1,2,3,4,6,7,8-HxCDF	1.63e5	0.50	NO	0.98	10.105	34.54	1.011	226	115	0.933	
31	13C-1,2,3,7,8,9-HxCDF	1.54e5	0.50	NO	0.87	10.105	35.69	1.044	239	121	1.03	
32	13C-1,2,3,4,6,7,8-HxCDF	1.26e5	0.42	NO	0.79	10.105	37.26	1.090	214	108	1.04	
33	13C-1,2,3,4,7,8,9-HxCDF	0.89e4	0.42	NO	0.50	10.105	38.29	1.150	222	112	1.41	
34	13C-OCDF	1.88e5	0.91	NO	0.71	10.105	42.85	1.248	318	80.4	0.618	
35	3TC-1,2,3,7,8-TCDD	0.78e4	1.11	NO	1.10	10.105	27.10	1.025	93.6	118	0.0803	
36	13C-1,2,3,4-TCDD	1.29e5	0.76	NO	1.08	10.105	26.45	1.000	198	100	0.308	
37	13C-1,2,3,4-TCDF	2.18e5	0.82	NO	1.00	10.105	25.21	1.000	198	100	0.285	
38	13C-1,2,3,4,6,9-HxCDF	1.47e5	0.51	NO	1.08	10.105	34.17	1.000	198	100	0.896	
39	Total Tetra-Dioxins				1.00	10.105		0.000			0.0565	0.225
40	Total Penta-Dioxins				0.98	10.105					0.0488	
41	Total Hexa-Dioxins				1.04	10.105		0.904			0.285	0.904
42	Total Hepta-Dioxins				1.08	10.105		3.67			0.304	3.67
43	Total Tetra-Furans				0.99	10.105		0.185			0.0399	0.185
44	1st Func. Penta-Furans				1.02	10.105					0.0116	
45	Total Penta-Furans				1.02	10.105		0.009			0.0240	0.8257
46	Total Hexa-Furans				1.13	10.105		0.000			0.0374	0.6451
47	Total Hepta-Furans				1.11	10.105		0.000			0.0349	

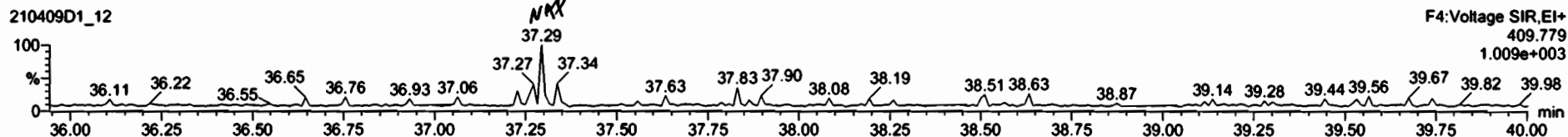
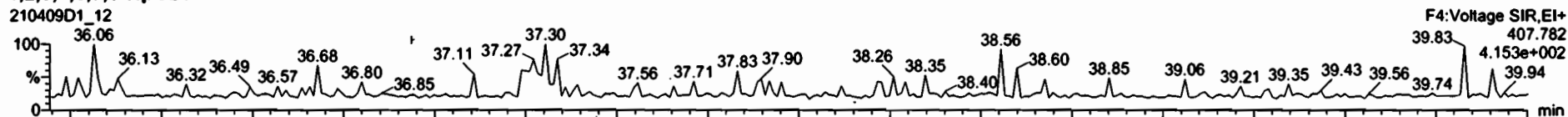


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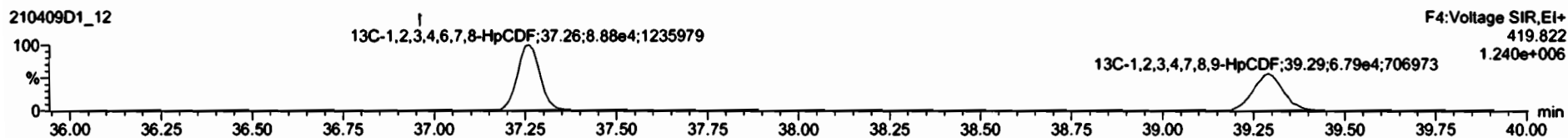
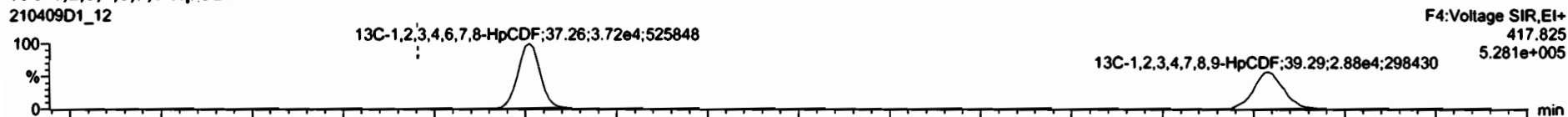
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_12, Date: 09-Apr-2021, Time: 17:22:42, ID: 2103219-03.USMPDI-068RAB-20-32.1-210312 14.79, Description: USMPDI-068RAB-20-32.1-210312

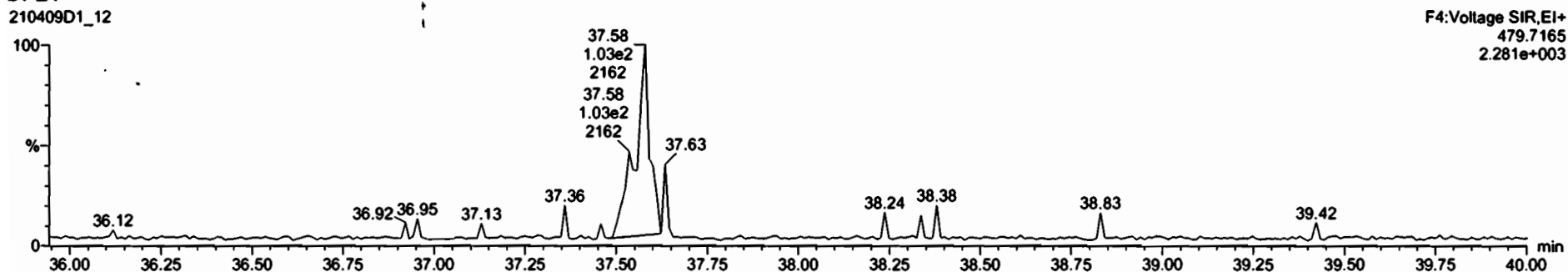
1,2,3,4,6,7,8-HpCDF



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



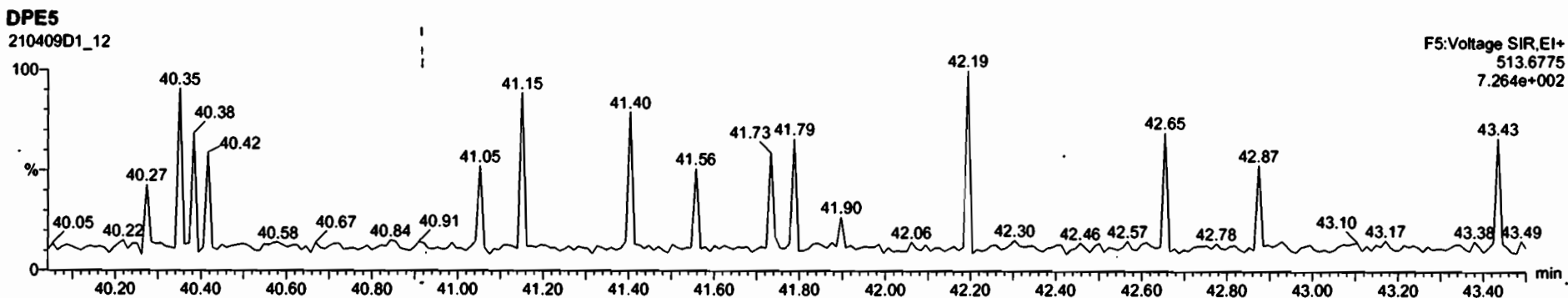
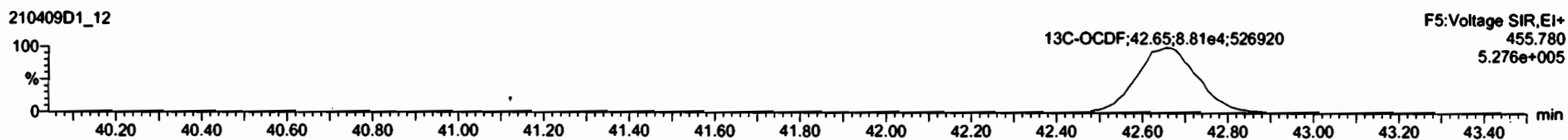
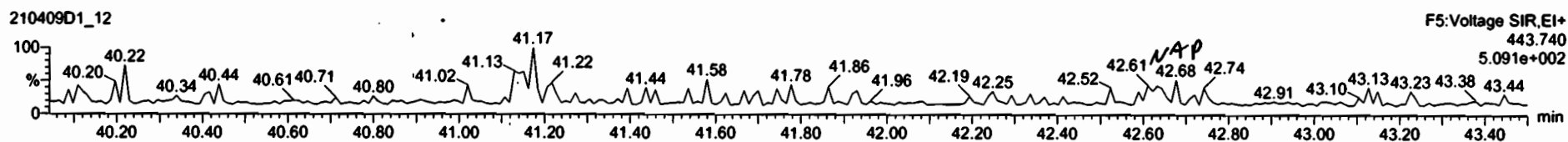
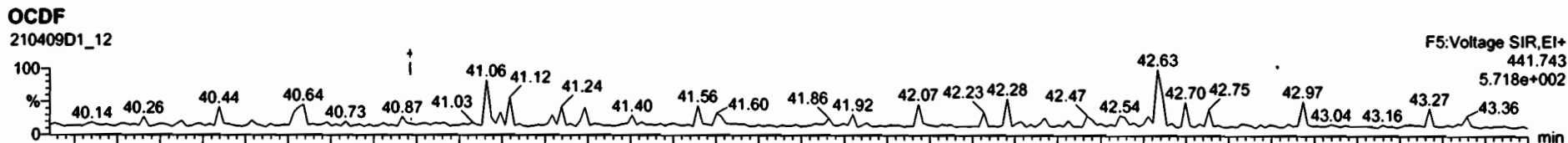
DPE4



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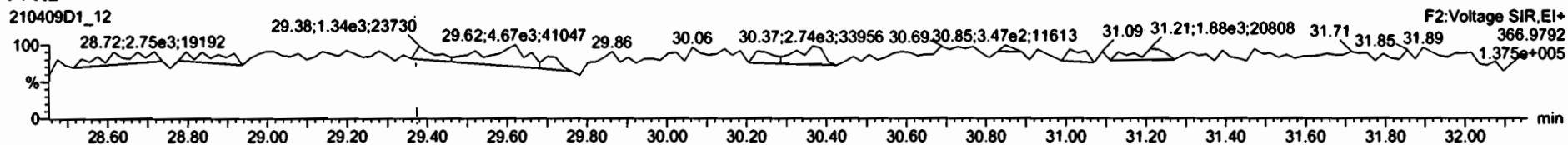
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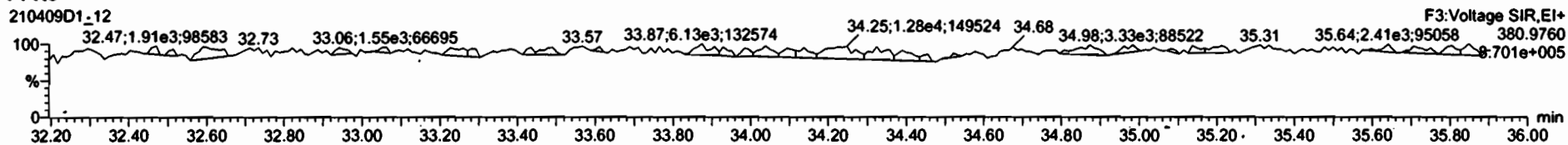
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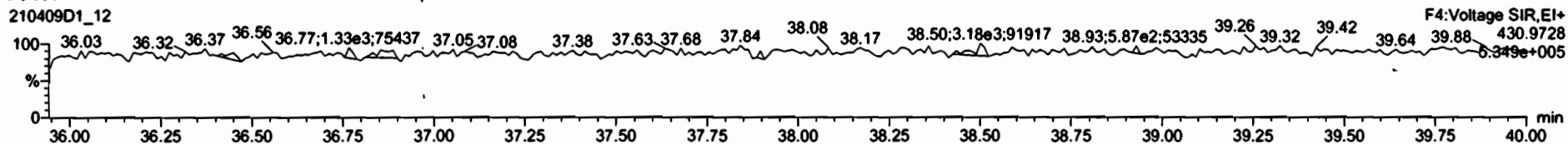
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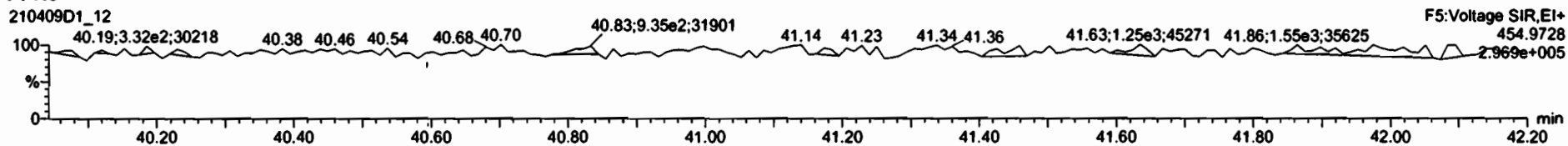
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-13.qld

Last Altered: Tuesday, April 20, 2021 11:31:21 AM Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 11:33:52 AM Pacific Daylight Time

04/20/21  
DF 04/19/21

05/03/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312,  
Task: ST210409D1\_1

	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.998	10.043					0.0989	
2	1,2,3,7,8-PeCDD			NO	0.961	10.043					0.179	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.043					0.228	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.043					0.229	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.043					0.218	
6	1,2,3,4,6,7,8-HpCDD	5.82e2	1.01	NO	1.06	10.043	38.50	1.000	1.1227		0.253	1.12
7	OCDD	1.95e3	0.93	NO	0.977	10.043	42.23	1.000	6.4894		1.79	6.49
8	2,3,7,8-TCDF	5.85e2	0.80	NO	0.989	10.043	26.51	1.001	0.54210		0.166	0.542
9	1,2,3,7,8-PeCDF	2.79e2	1.38	NO	1.02	10.043	30.08	1.000	0.28398		0.130	0.284
10	2,3,4,7,8-PeCDF	4.94e2	1.78	NO	1.17	10.043	31.05	1.001	0.45619		0.129	0.456
11	1,2,3,4,7,8-HxCDF	2.28e2	1.56	YES	1.14	10.043	33.70	1.000	0.24765		0.149	0.216
12	1,2,3,6,7,8-HxCDF	2.31e2	1.12	NO	1.04	10.043	33.85	1.000	0.23952		0.150	0.240
13	2,3,4,6,7,8-HxCDF	2.42e2	1.37	NO	1.13	10.043	34.59	1.000	0.25875		0.168	0.259
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.043					0.230	
15	1,2,3,4,6,7,8-HpCDF	6.68e2	0.99	NO	1.11	10.043	37.28	1.001	0.84577		0.0611	0.846
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.043					0.0961	
17	OCDF			NO	0.931	10.043					0.253	
18	13C-2,3,7,8-TCDD	1.60e5	0.73	NO	1.20	10.043	27.06	1.024	186.88	93.8	0.305	
19	13C-1,2,3,7,8-PeCDD	1.26e5	0.62	NO	0.864	10.043	31.21	1.181	205.29	103	0.362	
20	13C-1,2,3,4,7,8-HxCDD	1.01e5	1.27	NO	0.600	10.043	34.70	1.015	215.58	108	0.844	
21	13C-1,2,3,6,7,8-HxCDD	1.17e5	1.38	NO	0.674	10.043	34.82	1.018	221.85	111	0.751	
22	13C-1,2,3,7,8,9-HxCDD	1.19e5	1.30	NO	0.679	10.043	35.11	1.027	224.84	113	0.746	
23	13C-1,2,3,4,6,7,8-HpCDD	9.74e4	1.05	NO	0.558	10.043	38.51	1.126	223.49	112	1.10	
24	13C-OCDD	1.23e5	0.89	NO	0.496	10.043	42.22	1.235	316.72	79.5	0.472	
25	13C-2,3,7,8-TCDF	2.17e5	0.80	NO	1.03	10.043	26.48	1.002	187.59	94.2	0.296	
26	13C-1,2,3,7,8-PeCDF	1.91e5	1.60	NO	0.805	10.043	30.08	1.139	210.39	106	0.631	
27	13C-2,3,4,7,8-PeCDF	1.84e5	1.64	NO	0.748	10.043	31.03	1.175	217.47	109	0.679	
28	13C-1,2,3,4,7,8-HxCDF	1.61e5	0.50	NO	0.968	10.043	33.69	0.985	213.26	107	0.795	
29	13C-1,2,3,6,7,8-HxCDF	1.84e5	0.53	NO	1.08	10.043	33.84	0.990	217.09	109	0.709	
30	13C-2,3,4,6,7,8-HxCDF	1.65e5	0.49	NO	0.960	10.043	34.58	1.011	220.42	111	0.801	
31	13C-1,2,3,7,8,9-HxCDF	1.50e5	0.49	NO	0.869	10.043	35.67	1.043	220.19	111	0.885	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e5	0.43	NO	0.794	10.043	37.26	1.090	227.65	114	0.901	



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-13.qld

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Printed: Tuesday, April 20, 2021 11:33:52 AM Pacific Daylight Time

Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312, Task: ST210409D1\_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	1.01e5	0.44	NO	0.586	10.043	39.26	1.148	221.36	111	1.22	
34	13C-OCDF	1.86e5	0.90	NO	0.711	10.043	42.58	1.245	334.27	83.9	0.454	
35	37Cl-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.08	1.025	75.323	94.6	0.102	
36	13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	26.42	1.000	199.14	100	0.367	
37	13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	199.14	100	0.303	
38	13C-1,2,3,4,6,9-HxCDF	1.56e5	0.52	NO	1.00	10.043	34.19	1.000	199.14	100	0.769	
39	Total Tetra-Dioxins				0.998	10.043			0.00000		0.0645	0.319
40	Total Penta-Dioxins				0.961	10.043			0.066741		0.179	0.465
41	Total Hexa-Dioxins				1.04	10.043			0.67259		0.146	0.673
42	Total Hepta-Dioxins				1.06	10.043			2.3695		0.253	2.37
43	Total Tetra-Furans				0.989	10.043			8.0739		0.166	9.47
44	1st Func. Penta-Furans				1.02	10.043			0.00000		0.0115	0.830
45	Total Penta-Furans				1.02	10.043			3.6081		0.139	4.25
46	Total Hexa-Furans				1.13	10.043			2.3396		0.167	2.56
47	Total Hepta-Furans				1.11	10.043			1.3601		0.0830	1.36

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-13.qld

Last Altered: Tuesday, April 20, 2021 11:31:21 AM Pacific Daylight Time

Printed: Tuesday, April 20, 2021 11:33:52 AM Pacific Daylight Time

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Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312, Task: ST210409D1\_1

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	23.97	2.056e3	1.676e3	9.849e1	9.888e1	1.00	YES	0.000e0	0.00000	0.21855	0.0645
2	Total Tetra-Dioxins	24.25	1.295e3	7.590e2	7.083e1	4.564e1	1.55	YES	0.000e0	0.00000	0.10087	0.0645

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.18	8.140e2	1.583e3	4.772e1	1.086e2	0.44	YES	0.000e0	0.00000	0.20282	0.179
2	Total Penta-Dioxins	30.28	6.750e2	9.190e2	3.778e1	5.031e1	0.75	YES	0.000e0	0.00000	0.13471	0.179
3	Total Penta-Dioxins	30.81	5.680e2	5.610e2	1.469e1	2.594e1	0.57	NO	4.063e1	0.066741	0.066741	0.179
4	Total Penta-Dioxins	31.55	5.900e2	8.400e2	1.421e1	4.062e1	0.35	YES	0.000e0	0.00000	0.060407	0.179

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.90	2.819e3	1.959e3	1.219e2	9.106e1	1.34	NO	2.129e2	0.36273	0.36273	0.146
2	Total Hexa-Dioxins	33.54	1.711e3	1.686e3	9.368e1	8.820e1	1.06	NO	1.819e2	0.30986	0.30986	0.146

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.59	4.404e3	4.668e3	3.504e2	2.963e2	1.18	NO	6.468e2	1.2468	1.2468	0.253
2	1,2,3,4,6,7,8-HpCDD	38.50	3.717e3	3.822e3	2.933e2	2.890e2	1.01	NO	5.824e2	1.1227	1.1227	0.253

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-13.qld

Last Altered: Tuesday, April 20, 2021 11:31:21 AM Pacific Daylight Time  
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Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312,  
 Task: ST210409D1\_1

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.15	2.885e3	2.793e3	1.788e2	2.440e2	0.73	NO	4.228e2	0.39150	0.39150	0.166
2	Total Tetra-Furans	22.67	2.698e3	2.346e3	1.810e2	2.157e2	0.84	NO	3.966e2	0.36726	0.36726	0.166
3	Total Tetra-Furans	23.30	3.021e3	4.110e3	2.038e2	2.500e2	0.81	NO	4.538e2	0.42018	0.42018	0.166
4	Total Tetra-Furans	23.68	5.612e3	6.930e3	4.286e2	6.010e2	0.71	NO	1.030e3	0.95333	0.95333	0.166
5	Total Tetra-Furans	24.09	3.332e3	4.305e3	3.058e2	4.150e2	0.74	NO	7.208e2	0.66742	0.66742	0.166
6	Total Tetra-Furans	24.38	3.617e3	3.317e3	1.880e2	2.268e2	0.83	NO	4.146e2	0.38388	0.38388	0.166
7	Total Tetra-Furans	24.46	1.720e3	2.841e3	1.246e2	1.957e2	0.64	YES	0.000e0	0.00000	0.26510	0.166
8	Total Tetra-Furans	24.67	3.087e3	3.328e3	1.569e2	2.172e2	0.72	NO	3.741e2	0.34635	0.34635	0.166
9	Total Tetra-Furans	24.98	2.340e3	3.108e3	1.377e2	1.907e2	0.72	NO	3.285e2	0.30412	0.30412	0.166
10	Total Tetra-Furans	25.07	4.009e3	5.020e3	2.294e2	3.270e2	0.70	NO	5.564e2	0.51522	0.51522	0.166
11	Total Tetra-Furans	25.30	6.540e3	8.194e3	6.736e2	8.344e2	0.81	NO	1.508e3	1.3962	1.3962	0.166
12	Total Tetra-Furans	25.65	4.657e3	4.359e3	2.999e2	2.980e2	1.01	YES	0.000e0	0.00000	0.48843	0.166
13	Total Tetra-Furans	25.93	2.775e3	2.903e3	1.822e2	1.886e2	0.97	YES	0.000e0	0.00000	0.30907	0.166
14	Total Tetra-Furans	26.02	3.345e3	3.126e3	1.781e2	2.086e2	0.85	NO	3.867e2	0.35801	0.35801	0.166
15	Total Tetra-Furans	26.25	3.923e3	2.934e3	1.965e2	2.028e2	0.97	YES	0.000e0	0.00000	0.33234	0.166
16	Total Tetra-Furans	26.40	1.973e3	2.133e3	1.107e2	1.333e2	0.83	NO	2.440e2	0.22591	0.22591	0.166
17	2,3,7,8-TCDF	26.51	4.485e3	5.488e3	2.609e2	3.246e2	0.80	NO	5.855e2	0.54210	0.54210	0.166
18	Total Tetra-Furans	26.71	6.155e3	8.290e3	6.060e2	6.926e2	0.87	NO	1.299e3	1.2023	1.2023	0.166

**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	27.75	1.008e4	5.647e3	5.871e2	3.133e2	1.87	YES	0.000e0	0.00000	0.82971	0.0311

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Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312, Task: ST210409D1\_1

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1.	Total Penta-Furans	29.06	5.737e3	3.614e3	4.379e2	2.408e2	1.82	YES	0.000e0	0.00000	0.63766	0.139
2	Total Penta-Furans	29.20	8.998e3	5.284e3	6.758e2	4.447e2	1.52	NO	1.121e3	1.1637	1.1637	0.139
3	Total Penta-Furans	29.62	2.754e3	1.900e3	1.206e2	7.487e1	1.61	NO	1.955e2	0.20300	0.20300	0.139
4	Total Penta-Furans	29.76	4.035e3	4.548e3	3.177e2	2.112e2	1.50	NO	5.289e2	0.54931	0.54931	0.139
5	1,2,3,7,8-PeCDF	30.08	3.794e3	2.319e3	1.617e2	1.173e2	1.38	NO	2.790e2	0.28398	0.28398	0.130
6	Total Penta-Furans	30.32	6.681e3	4.698e3	3.037e2	1.710e2	1.78	NO	4.747e2	0.49297	0.49297	0.139
7	Total Penta-Furans	30.87	5.226e3	4.369e3	2.628e2	1.792e2	1.47	NO	4.420e2	0.45900	0.45900	0.139
8	2,3,4,7,8-PeCDF	31.05	6.526e3	4.045e3	3.164e2	1.779e2	1.78	NO	4.943e2	0.45619	0.45619	0.129

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.33	2.699e3	2.763e3	1.293e2	1.124e2	1.15	NO	2.417e2	0.25850	0.25850	0.167
2	Total Hexa-Furans	32.50	9.265e3	7.394e3	5.053e2	3.762e2	1.34	NO	8.815e2	0.94281	0.94281	0.167
3	Total Hexa-Furans	33.18	3.461e3	3.472e3	1.622e2	1.256e2	1.29	NO	2.878e2	0.30778	0.30778	0.167
4	Total Hexa-Furans	33.57	4.038e3	2.048e3	1.824e2	1.282e2	1.42	NO	3.106e2	0.33224	0.33224	0.167
5	1,2,3,4,7,8-HxCDF	33.70	2.575e3	1.678e3	1.392e2	8.903e1	1.56	YES	2.282e2	0.00000	0.21630	0.149
6	1,2,3,6,7,8-HxCDF	33.85	2.189e3	1.863e3	1.216e2	1.090e2	1.12	NO	2.306e2	0.23952	0.23952	0.150
7	2,3,4,6,7,8-HxCDF	34.59	2.173e3	1.656e3	1.403e2	1.021e2	1.37	NO	2.424e2	0.25875	0.25875	0.168

**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	37.28	4.792e3	4.339e3	3.333e2	3.351e2	0.99	NO	6.684e2	0.84577	0.84577	0.0611
2	Total Hepta-Furans	37.84	3.116e3	2.029e3	1.846e2	1.644e2	1.12	NO	3.491e2	0.51428	0.51428	0.0830

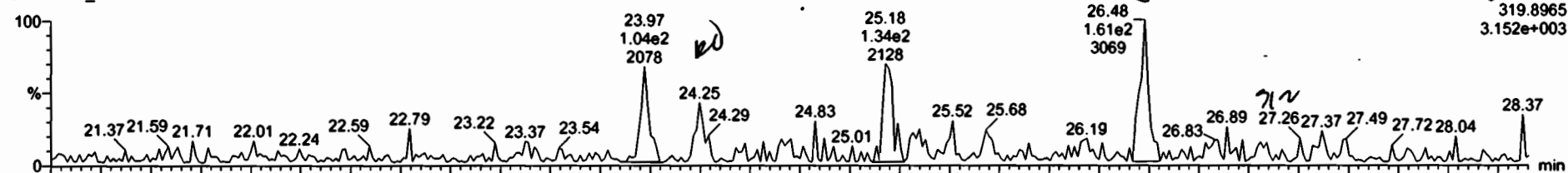
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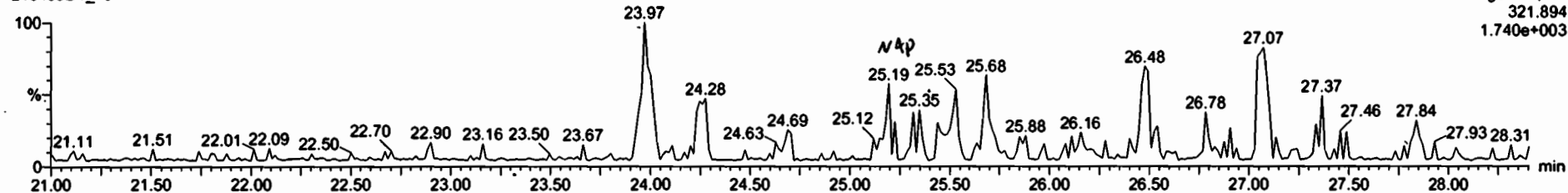
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210409D1\_13



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3.152e+003

210409D1\_13



F1:Voltage SIR,EI+  
321.894  
1.740e+003

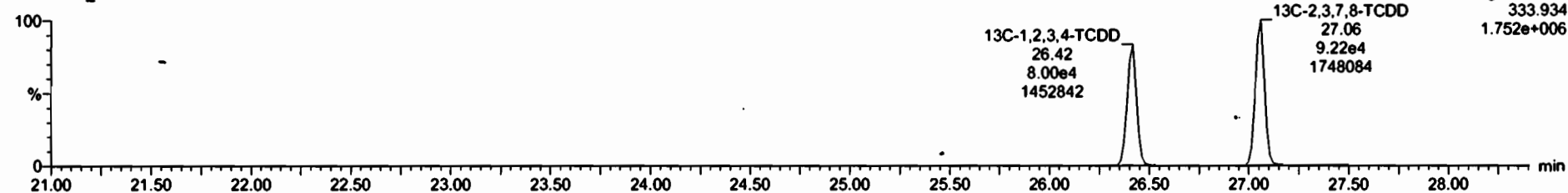
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210409D1\_13



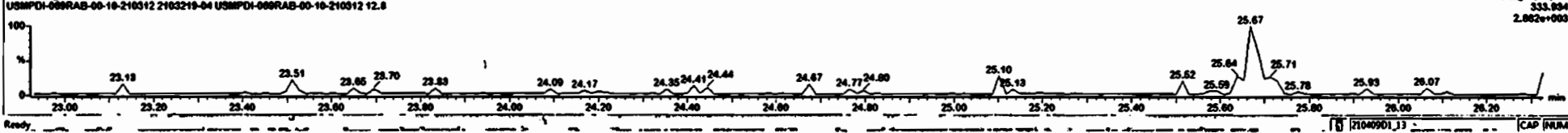
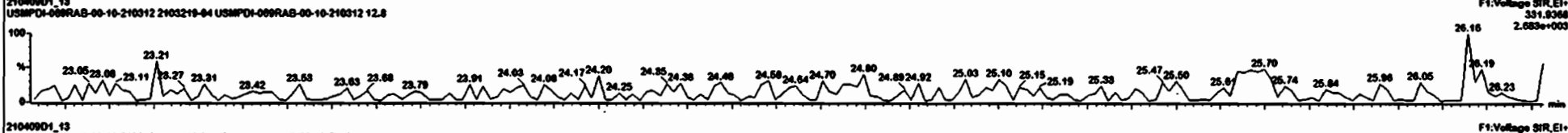
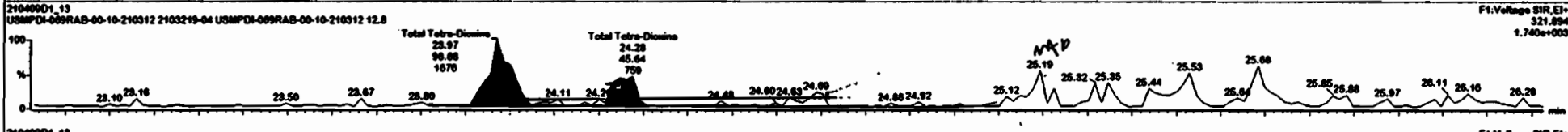
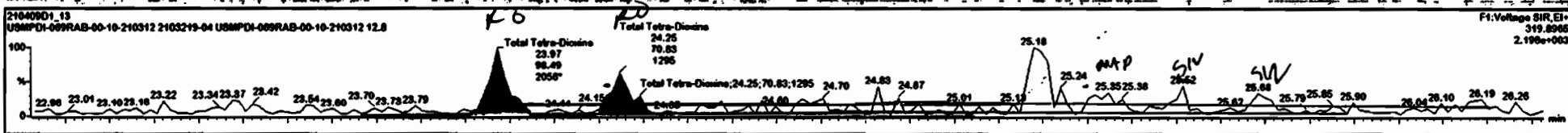
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1.269e+006

210409D1\_13

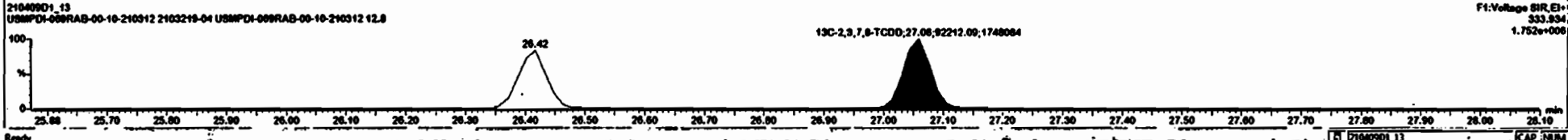
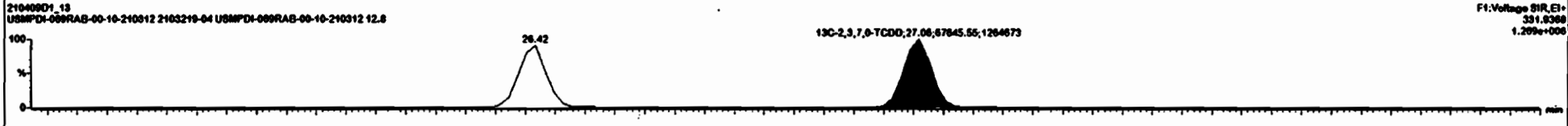
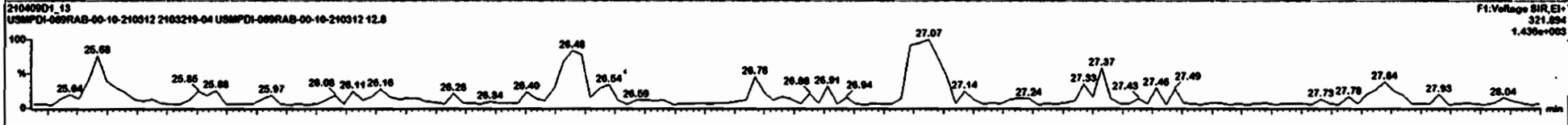
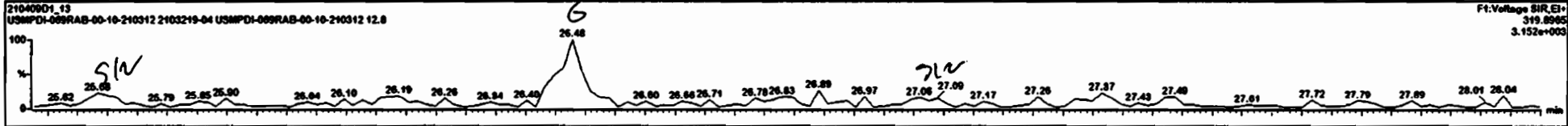


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333.934  
1.752e+006

#	Name	Resp	IS AREA	RA	oly	RFV	wVas	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
23	13C-1,2,3,4,6,7,8-HpCDD	8.74e4	1.58e5	1.65	NO	0.56	10.0433	38.51	38.46	1.126	1.125	NO	223.5	112	1.10	
24	13C-OCDD	1.23e5	1.58e5	0.80	NO	0.50	10.0433	42.22	42.87	1.235	1.230	NO	316.7	79.5	0.472	
25	13C-2,3,7,8-TCDF	2.17e5	2.25e5	0.80	NO	1.03	10.0433	26.48	26.48	1.002	1.002	NO	187.6	94.2	0.290	
26	13C-1,2,3,7,8-PeCDF	1.91e5	2.25e5	1.00	NO	0.81	10.0433	30.88	30.88	1.139	1.138	NO	210.4	108	0.631	
27	13C-2,3,4,7,8-PeCDF	1.84e5	2.25e5	1.64	NO	0.75	10.0433	31.83	31.83	1.175	1.174	NO	217.5	109	0.679	
28	13C-1,2,3,4,7,8-HxCDF	1.81e5	1.58e5	0.50	NO	0.97	10.0433	33.69	33.69	0.985	0.985	NO	213.3	107	0.795	
29	13C-1,2,3,6,7,8-HxCDF	1.84e5	1.58e5	0.53	NO	1.00	10.0433	33.84	33.80	0.990	0.990	NO	217.1	109	0.799	
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	1.58e5	0.49	NO	0.88	10.0433	34.58	34.57	1.011	1.011	NO	220.4	111	0.801	
31	13C-1,2,3,7,8,9-HxCDF	1.58e5	1.58e5	0.49	NO	0.87	10.0433	35.67	35.68	1.043	1.044	NO	220.2	111	0.805	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e5	1.58e5	0.43	NO	0.79	10.0433	37.28	37.24	1.090	1.089	NO	227.7	114	0.901	
33	13C-1,2,3,4,7,8-HpCDF	1.91e5	1.58e5	0.44	NO	0.59	10.0433	38.28	39.25	1.148	1.148	NO	221.4	111	1.22	
34	13C-OCDF	1.88e5	1.58e5	0.90	NO	0.71	10.0433	42.58	42.44	1.245	1.241	NO	334.3	83.9	0.454	
35	37Cl-2,3,7,8-TCDD	5.93e4	1.42e5		NO	1.11	10.0433	27.08	27.87	1.025	1.025	NO	75.32	94.6	0.182	
36	13C-1,2,3,4-TCDF	1.42e5	1.42e5	0.77	NO	1.00	10.0433	28.42	28.42	1.000	1.000	NO	199.1	100	0.387	
37	13C-1,2,3,4-TCDF	2.25e5	2.25e5	0.78	NO	1.00	10.0433	25.19	25.21	1.000	1.000	NO	199.1	100	0.383	
38	13C-1,2,3,4,6,8-HxCDF	1.58e5	1.58e5	0.52	NO	1.00	10.0433	34.19	34.19	1.000	1.000	NO	199.1	100	0.780	



#	Name	Resp	SAREA	RA	hdy	RRF	w/mid	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%RSE	DL	EMC
23	13C-1,2,3,4,6,7,8-HpCDD	0.74e5	1.58e5	1.05	NO	0.58	10.0433	30.51	30.46	1.128	1.125	NO	223.5	112	1.18	
24	13C-OCDD	1.23e5	1.58e5	0.80	NO	0.50	10.0433	42.22	42.07	1.236	1.230	NO	318.7	79.5	0.472	
25	13C-2,3,7,8-TCDF	2.17e5	2.25e5	0.90	NO	1.03	10.0433	26.48	26.48	1.042	1.042	NO	187.6	84.2	0.798	
26	13C-1,2,3,7,8-PeCDF	1.91e5	2.25e5	1.00	NO	0.81	10.0433	30.08	30.05	1.130	1.130	NO	218.4	100	0.631	
27	13C-2,3,4,7,8-PeCDF	1.84e5	2.25e5	1.04	NO	0.75	10.0433	31.03	31.03	1.175	1.174	NO	217.5	109	0.679	
28	13C-1,2,3,4,7,8-HxCDF	1.81e5	1.58e5	0.50	NO	0.97	10.0433	33.09	33.09	0.985	0.985	NO	213.3	107	0.795	
29	13C-1,2,3,6,7,8-HxCDF	1.84e5	1.58e5	0.53	NO	1.06	10.0433	33.84	33.86	0.990	0.990	NO	217.1	109	0.709	
30	13C-2,3,4,6,7,8-HxCDF	1.85e5	1.58e5	0.49	NO	0.98	10.0433	34.58	34.57	1.011	1.011	NO	229.4	111	0.801	
31	13C-1,2,3,7,8,9-HxCDF	1.50e5	1.58e5	0.49	NO	0.87	10.0433	35.87	35.88	1.043	1.044	NO	220.2	111	0.885	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e5	1.58e5	0.43	NO	0.79	10.0433	37.26	37.24	1.099	1.099	NO	227.7	114	0.901	
33	13C-1,2,3,4,7,8,9-HpCDF	1.01e5	1.58e5	0.44	NO	0.59	10.0433	39.26	39.25	1.148	1.148	NO	221.4	111	1.22	
34	13C-OCDF	1.88e5	1.58e5	0.80	NO	0.71	10.0433	42.58	42.44	1.245	1.241	NO	334.3	83.9	0.454	
35	13C-2,3,7,8-TCDD	5.93e4	1.42e5			1.11	10.0433	27.08	27.07	1.025	1.025	NO	75.32	84.6	0.102	
36	13C-1,2,3,4-TCDD	1.42e5	1.42e5	0.77	NO	1.00	10.0433	28.42	28.42	1.000	1.000	NO	199.1	100	0.387	
37	13C-1,2,3,4-TCDF	2.25e5	2.25e5	0.78	NO	1.00	10.0433	25.19	25.21	1.000	1.000	NO	199.1	100	0.303	
38	13C-1,2,3,4,6,9-HxCDF	1.58e5	1.58e5	0.52	NO	1.00	10.0433	34.19	34.18	1.000	1.000	NO	199.1	100	0.709	



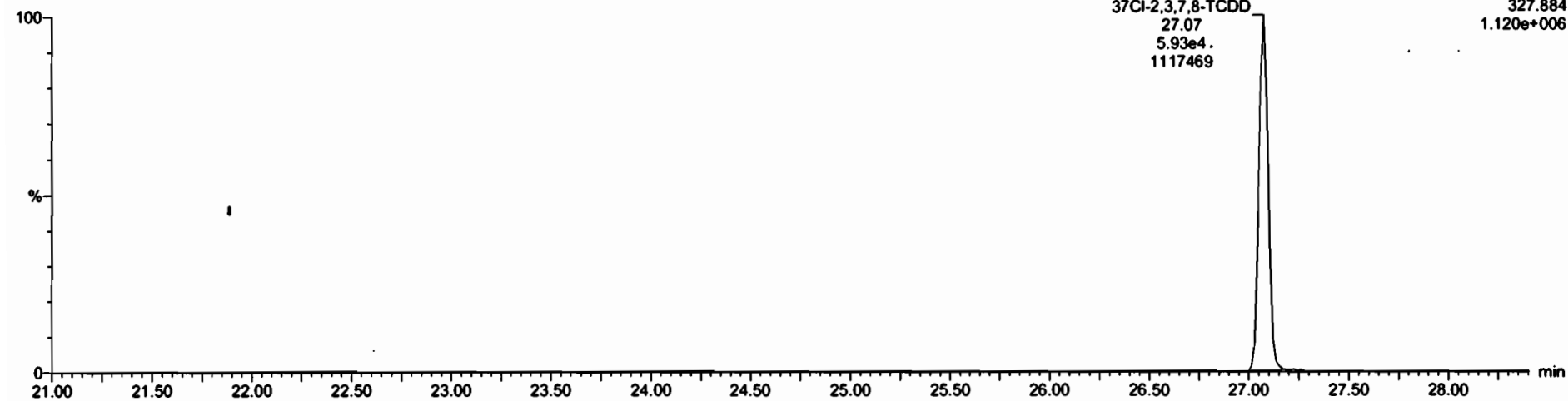
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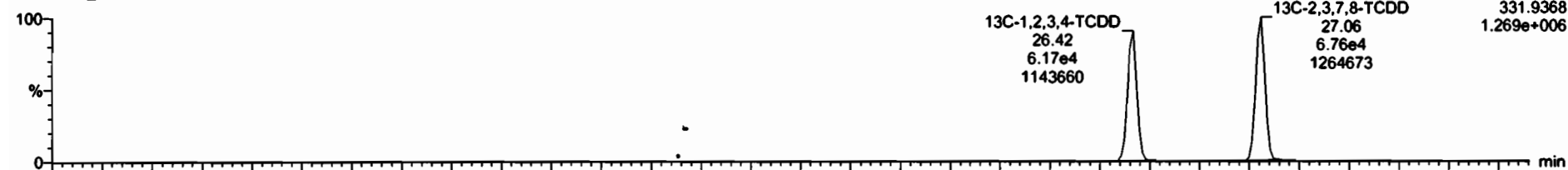
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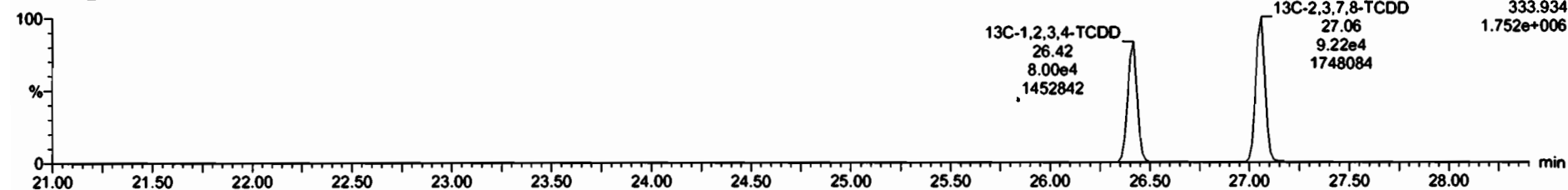


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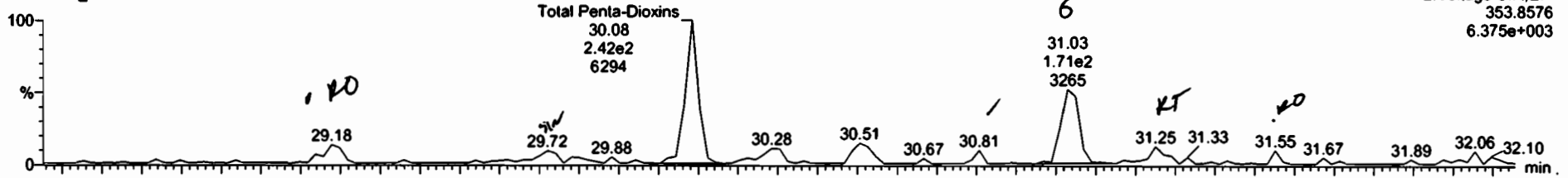
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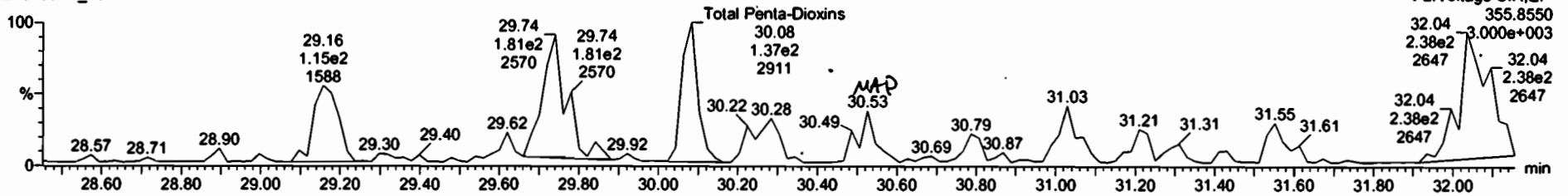
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1,2,3,7,8-PeCDD

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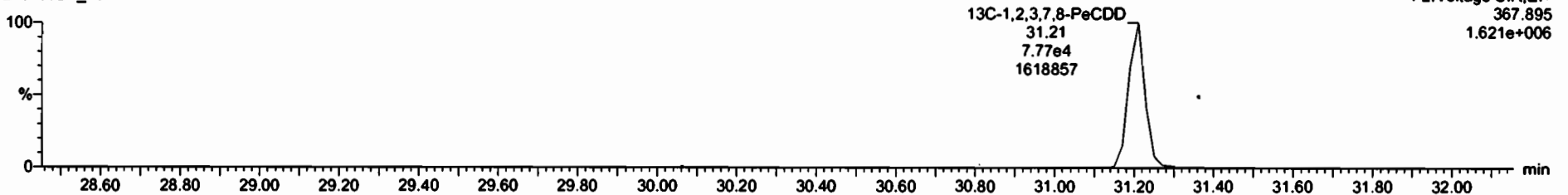


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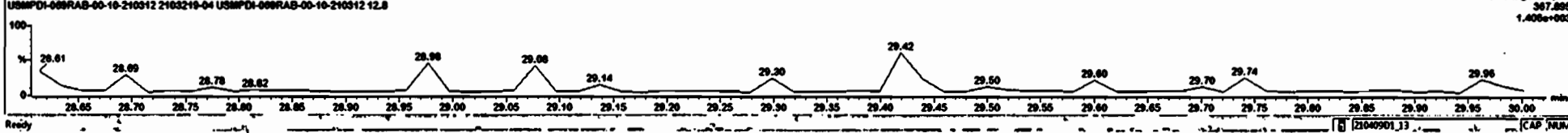
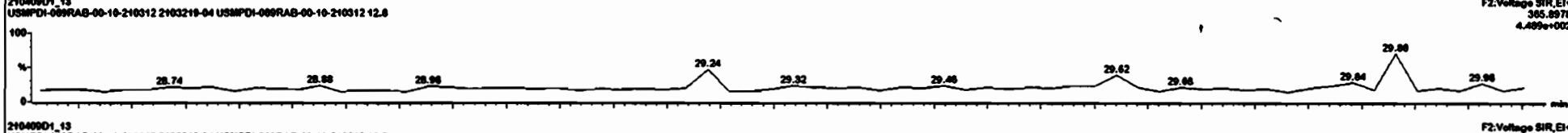
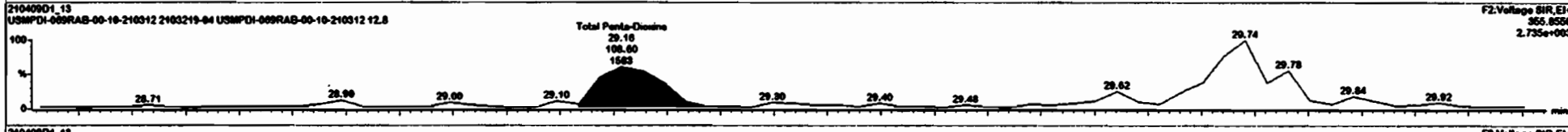
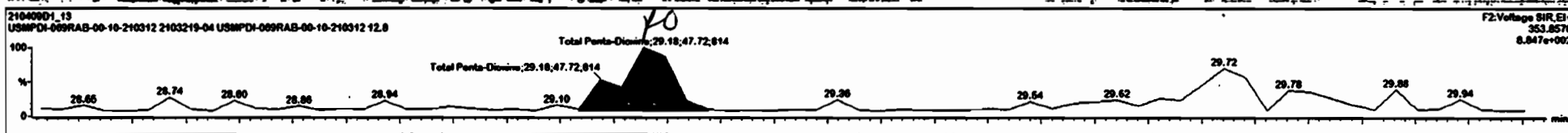
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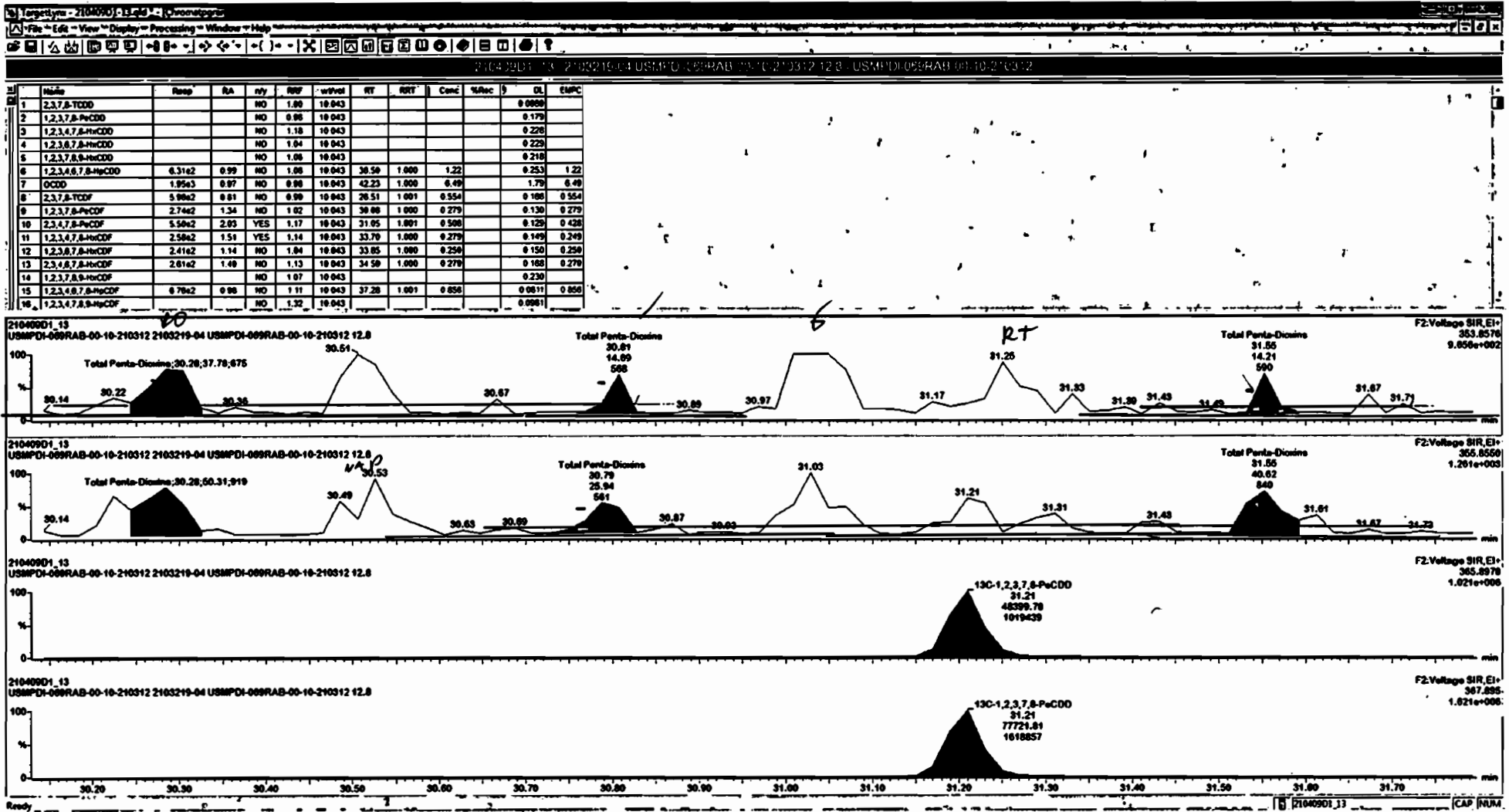


210409D1\_13



Name	Resp	RA	Int	RRF	WtPct	RT	RRT	Clac	%Rec	DL	EMPC
1 2,3,7,8-TCDF			NO	1.00	10.043					0.0000	
2 1,2,3,7,8-PeCDD			NO	0.96	10.043					0.179	
3 1,2,3,4,7,8-HxCDD			NO	1.18	10.043					0.220	
4 1,2,3,6,7,8-HxCDD			NO	1.04	10.043					0.220	
5 1,2,3,7,8-HxCDD			NO	1.06	10.043					0.218	
6 1,2,3,4,6,7,8-HpCDD	6.31e2	0.99	NO	1.05	10.043	30.50	1.000	1.22	0.253	1.22	
7 OCDD	1.95e3	0.97	NO	0.98	10.043	42.23	1.000	6.48	1.79	6.48	
8 2,3,7,8-TCDF	5.98e2	0.81	NO	0.99	10.043	36.51	1.001	0.954	0.100	0.954	
9 1,2,3,7,8-PeCDF	2.74e2	1.34	NO	1.82	10.043	30.06	1.000	0.279	0.130	0.279	
10 2,3,4,7,8-HxCDF	5.50e2	2.03	YES	1.17	10.043	31.85	1.001	0.508	0.120	0.426	
11 1,2,3,4,7,8-HpCDF	2.58e2	1.51	YES	1.14	10.043	33.70	1.000	0.279	0.149	0.249	
12 1,2,3,6,7,8-HxCDF	2.41e2	1.14	NO	1.04	10.043	33.85	1.000	0.250	0.150	0.250	
13 2,3,4,6,7,8-HpCDF	2.01e2	1.48	NO	1.13	10.043	34.50	1.000	0.279	0.188	0.279	
14 1,2,3,7,8-HxCDF			NO	1.07	10.043					0.230	
15 1,2,3,4,6,7,8-HpCDF	6.78e2	0.98	NO	1.11	10.043	37.20	1.001	0.850	0.0611	0.850	
16 1,2,3,4,7,8-HpCDF			NO	1.32	10.043					0.0981	





Dataset: Untitled

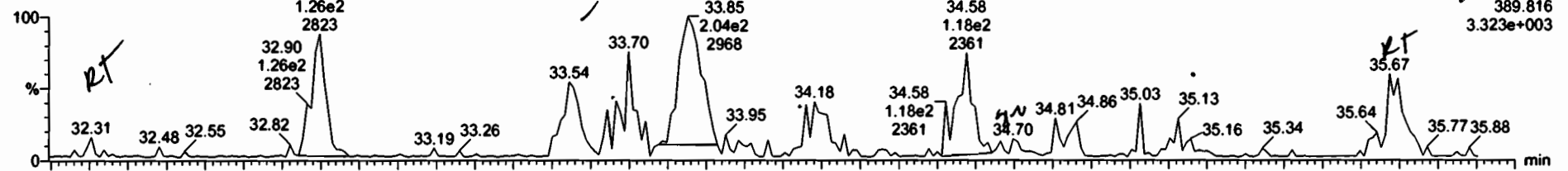
Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time

Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312

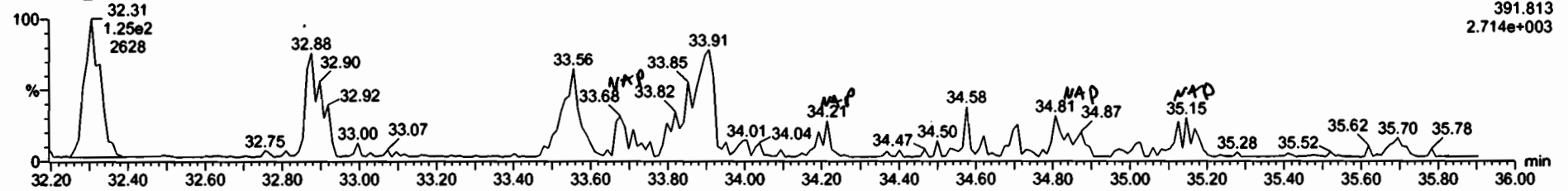
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210409D1\_13



F3: Voltage SIR, EI+  
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3.323e+003

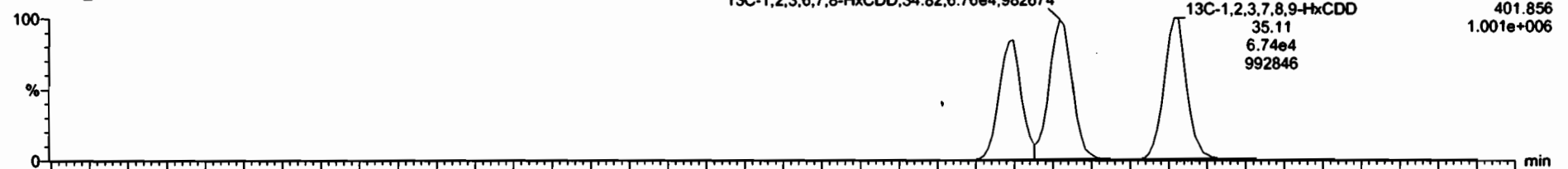
210409D1\_13



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2.714e+003

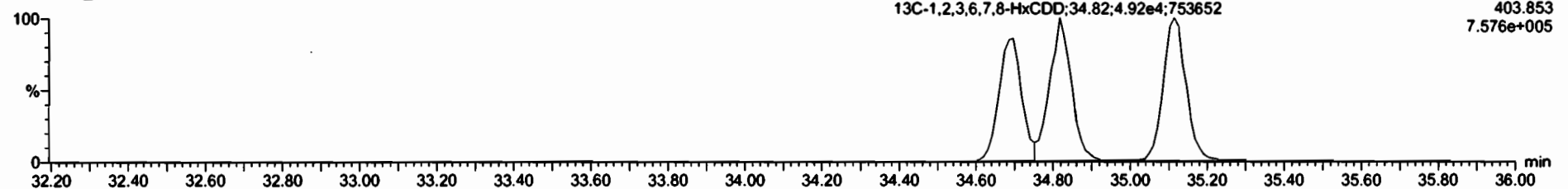
13C-1,2,3,4,7,8-HxCDD

210409D1\_13

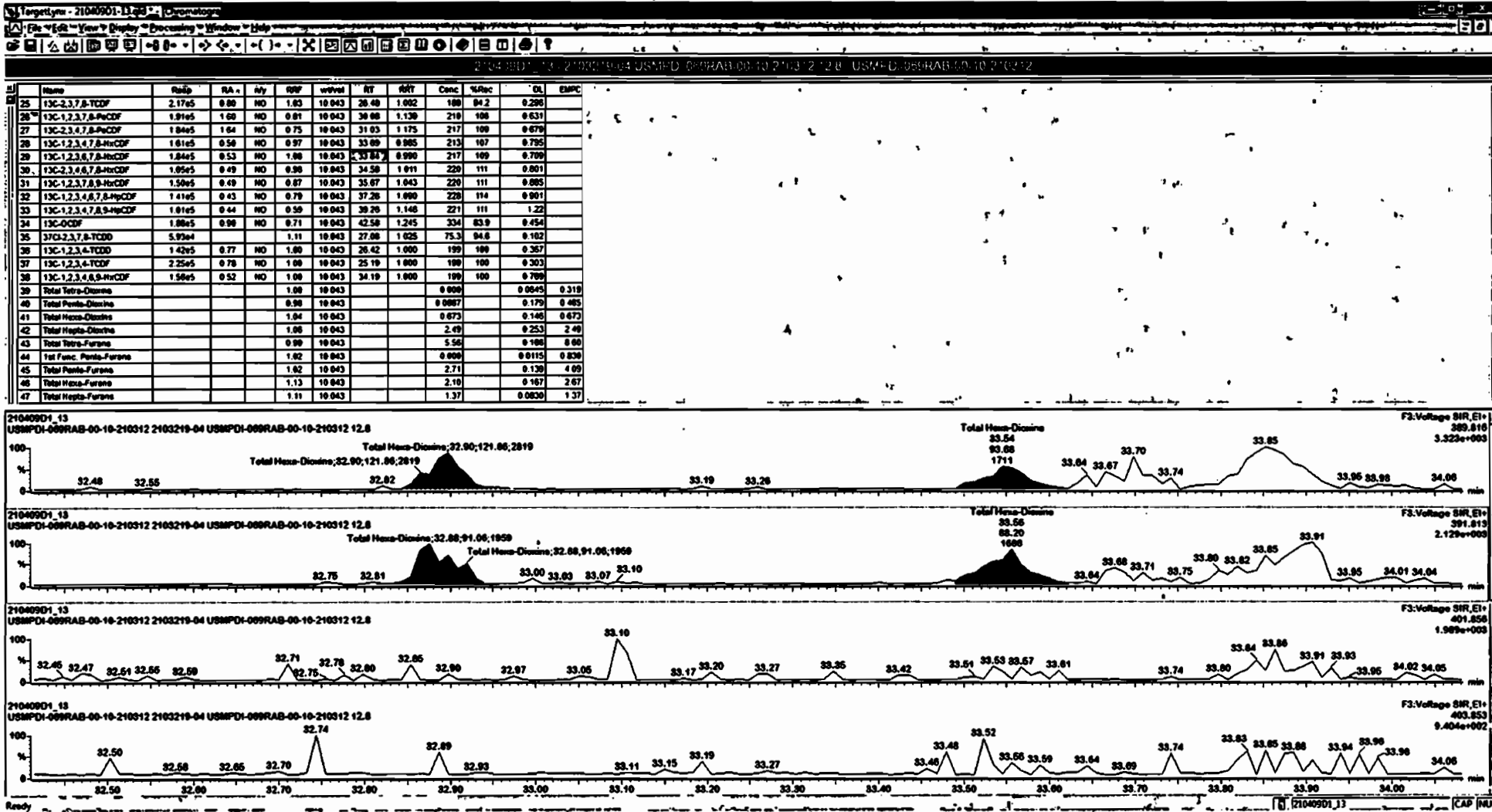


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1.001e+006

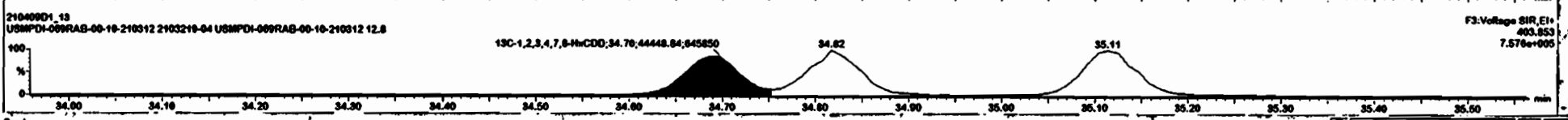
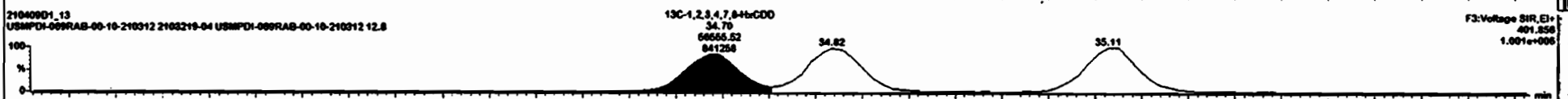
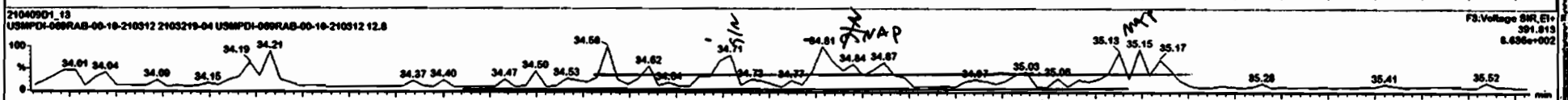
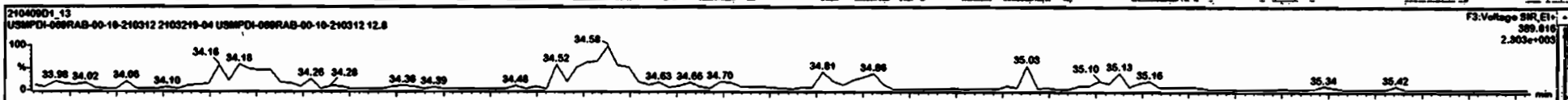
210409D1\_13



F3: Voltage SIR, EI+  
403.853  
7.576e+005



#	Name	Resp	RA	xy	RF	width	RT	RRT	Conc	%Rec	DL	EMPC
25	13C-1,2,3,7,8-TCDF	2.17e5	0.80	NO	1.03	10.043	28.48	1.002	188	84.2	0.286	
26	13C-1,2,3,7,8-PeCDF	1.91e5	1.08	NO	0.81	10.043	30.68	1.139	218	100	0.631	
27	13C-1,2,3,4,7,8-PeCDF	1.84e5	1.04	NO	0.75	10.043	31.83	1.175	217	100	0.679	
28	13C-1,2,3,4,7,8-HxCDF	1.61e5	0.50	NO	0.97	10.043	33.69	0.885	213	107	0.795	
29	13C-1,2,3,6,7,8-HxCDF	1.84e5	0.53	NO	1.08	10.043	33.84	0.990	217	100	0.709	
30	13C-1,2,3,4,6,7,8-HxCDF	1.05e5	0.49	NO	0.96	10.043	34.58	1.011	220	111	0.801	
31	13C-1,2,3,7,8,9-HxCDF	1.50e5	0.49	NO	0.87	10.043	35.87	1.043	220	111	0.885	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e5	0.43	NO	0.79	10.043	37.28	1.090	228	114	0.901	
33	13C-1,2,3,4,7,8,9-HpCDF	1.91e5	0.44	NO	0.59	10.043	39.26	1.148	221	111	1.22	
34	13C-OCDF	1.88e5	0.98	NO	0.71	10.043	42.58	1.245	334	83.9	0.454	
35	37Cl-1,2,3,7,8-TCDD	5.93e4			1.11	10.043	27.88	1.025	75.3	94.6	0.102	
36	13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.09	10.043	28.42	1.000	199	100	0.387	
37	13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	189	100	0.303	
38	13C-1,2,3,4,6,8,9-HxCDD	1.58e5	0.52	NO	1.00	10.043	34.19	1.000	189	100	0.789	
39	Total Tetra-Dioxins				1.00	10.043			0.000	0.0545	0.319	
40	Total Penta-Dioxins				0.98	10.043			0.0087	0.179	0.485	
41	Total Hexa-Dioxins				1.04	10.043			0.673	0.146	0.673	
42	Total Hepta-Dioxins				1.00	10.043			2.49	0.253	2.49	
43	Total Tetra-Furans				0.99	10.043			5.56	0.108	0.60	
44	1st Func. Penta-Furans				1.02	10.043			0.000	0.0115	0.838	
45	Total Penta-Furans				1.02	10.043			2.71	0.138	4.88	
46	Total Hexa-Furans				1.13	10.043			2.18	0.187	2.67	
47	Total Hepta-Furans				1.11	10.043			1.37	0.0030	1.37	



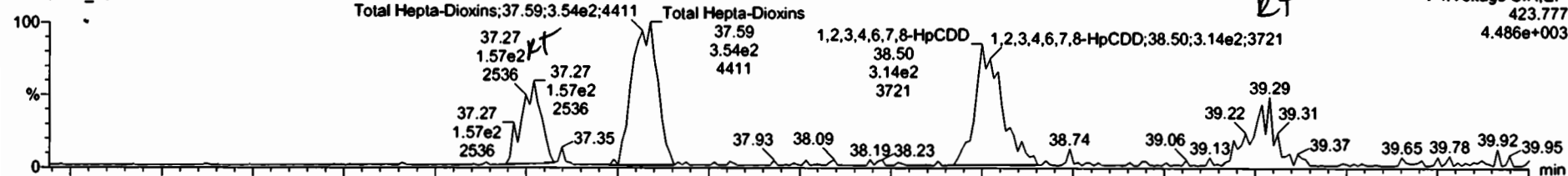
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

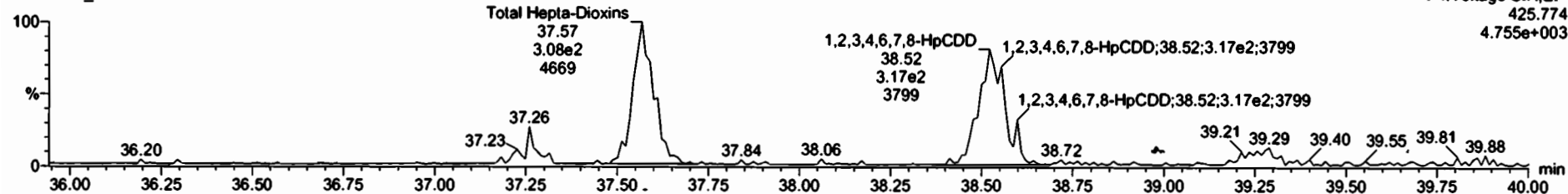
Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312

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

210409D1\_13



210409D1\_13

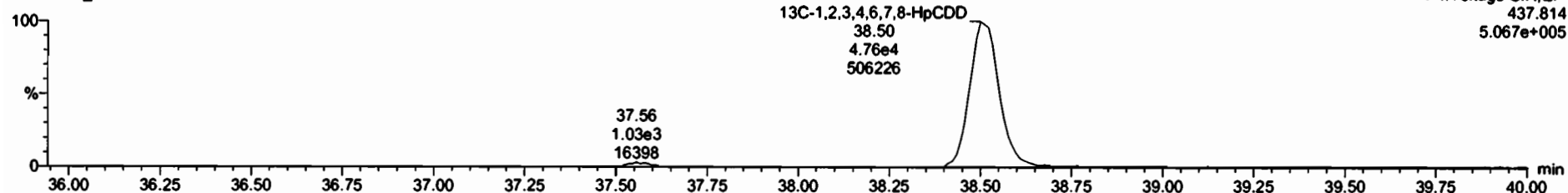


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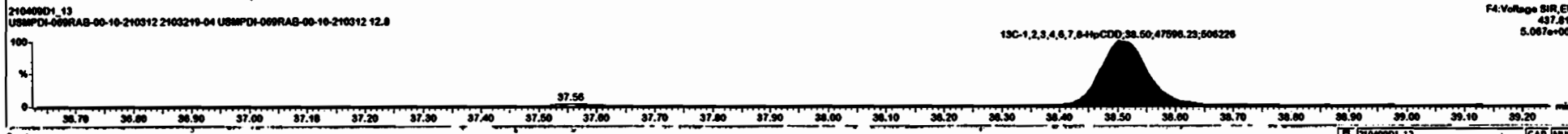
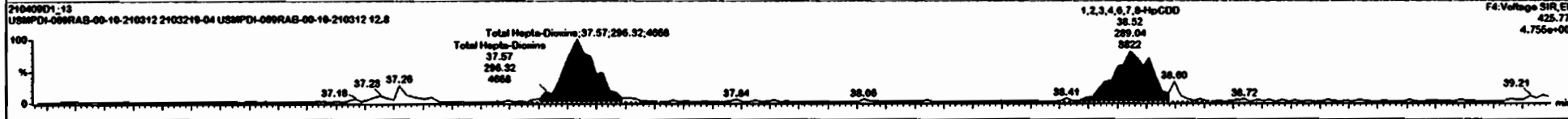
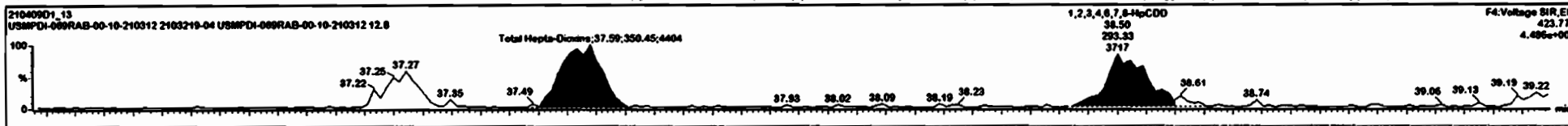
210409D1\_13



210409D1\_13



Name	Resp	RA	dy	ROF	WtVal	RT	RRT	Conc	%Rec	DL	EMPC
25 13C-2,3,7,8-TCDF	2.17e5	0.80	NO	1.03	10.043	26.48	1.002	188	94.2	0.286	
26 13C-1,2,3,7,8-PeCDF	1.91e5	1.08	NO	0.81	10.043	30.08	1.130	210	106	0.631	
27 13C-2,3,4,7,8-PeCDF	1.84e5	1.64	NO	0.73	10.043	31.83	1.175	217	109	0.679	
28 13C-1,2,3,4,7,8-HxCDF	1.61e5	0.50	NO	0.97	10.043	33.09	0.985	213	107	0.795	
29 13C-1,2,3,6,7,8-HxCDF	1.84e5	0.53	NO	1.86	10.043	33.84	0.980	217	109	0.709	
30 13C-2,3,4,6,7,8-HxCDF	1.05e5	0.49	NO	0.90	10.043	34.58	1.011	220	111	0.601	
31 13C-1,2,3,7,8,9-HxCDF	1.50e5	0.49	NO	0.87	10.043	35.67	1.043	220	111	0.885	
32 13C-1,2,3,4,6,7,8-HpCDF	1.41e5	0.43	NO	0.78	10.043	37.28	1.000	228	114	0.901	
33 13C-1,2,3,4,7,8,9-HpCDF	1.91e5	0.44	NO	0.58	10.043	38.28	1.148	221	111	1.22	
34 13C-OCDF	1.88e5	0.98	NO	0.71	10.043	42.58	1.245	334	83.0	0.454	
35 37Cl-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.88	1.025	75.3	94.6	0.192	
36 13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.08	10.043	28.42	1.000	199	100	0.387	
37 13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.80	10.043	25.19	1.000	188	100	0.383	
38 13C-1,2,3,4,6,8,9-HxCDF	1.58e5	0.52	NO	1.00	10.043	34.19	1.000	199	100	0.789	
39 Total Tetra-Dioxins				1.00	10.043			0.006		0.0845	0.319
40 Total Penta-Dioxins				0.90	10.043			0.0087		0.179	0.485
41 Total Hexa-Dioxins				1.84	10.043			0.673		0.146	0.673

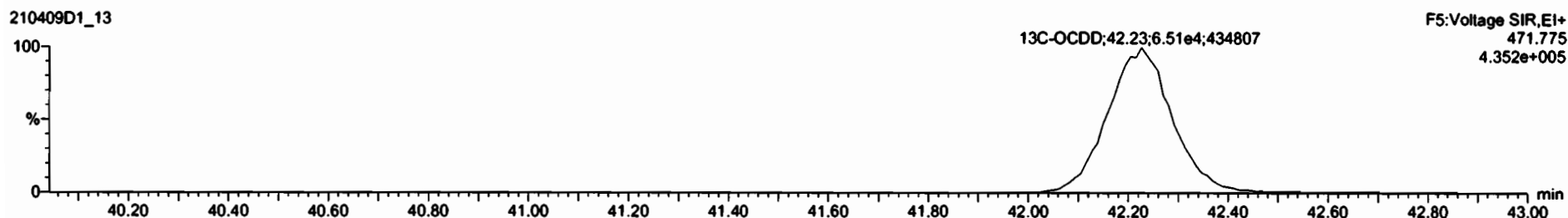
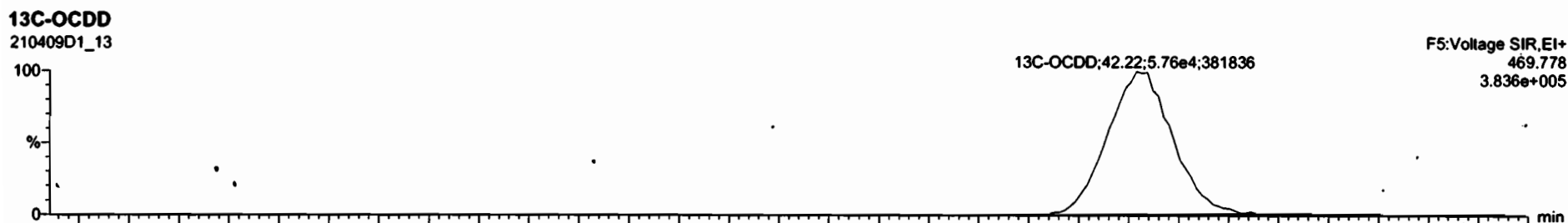
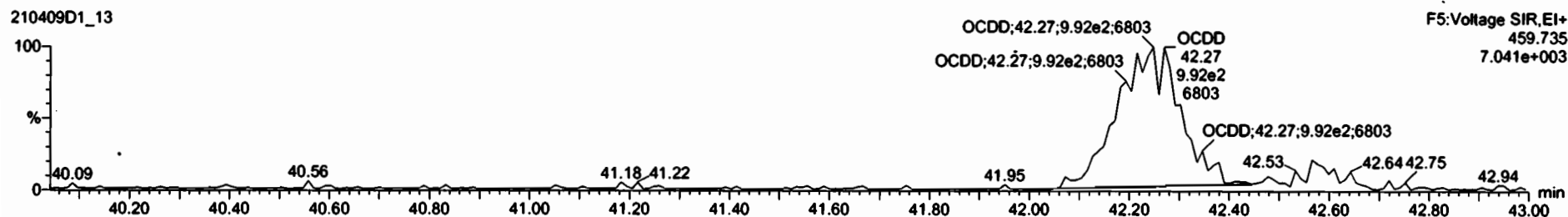
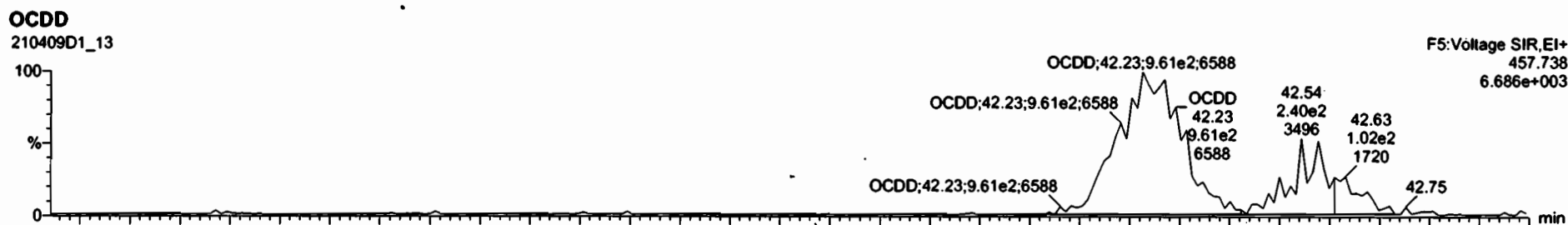




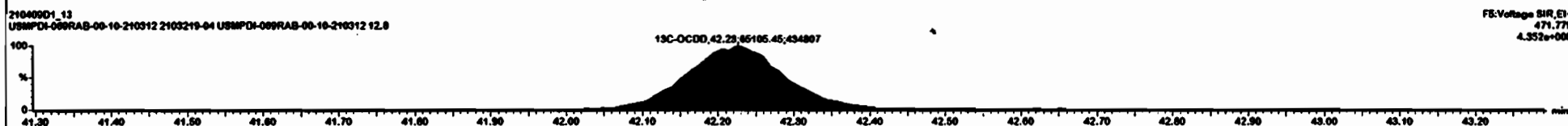
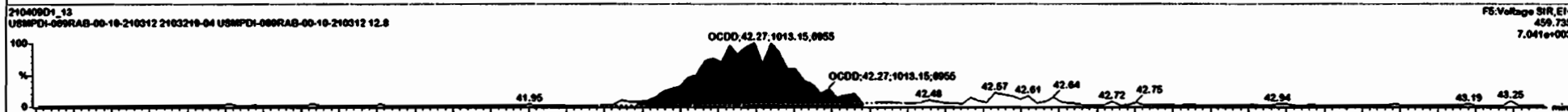
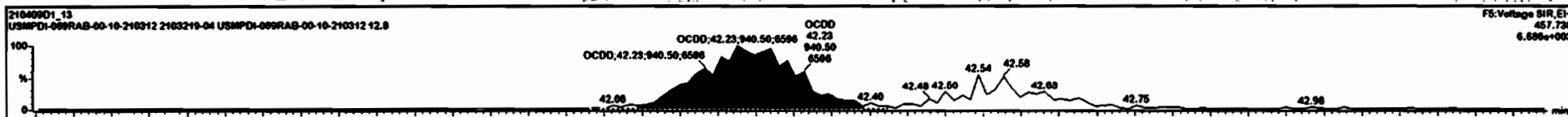
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312



#	Name	Resp	RA	dy	RP	retval	RT	RTT	Coef	%Ris	DL	EMPC
6	1,2,3,4,6,7,8-HpCDD	5.82e2	1.01	NO	1.00	10.043	38.58	1.000	1.12		0.253	1.12
7	OCDD	1.95e3	0.93	NO	0.96	10.043	42.23	1.000	0.49		1.79	0.49
8	2,3,7,8-TCDF	5.98e2	0.81	NO	0.99	10.043	26.51	1.001	0.554		0.166	0.554
9	1,2,3,7,8-PeCDF	2.74e2	1.34	NO	1.02	10.043	30.08	1.000	0.279		0.130	0.279
10	2,3,4,7,8-PeCDF	5.59e2	2.03	YES	1.17	10.043	31.05	1.001	0.580		0.129	0.428
11	1,2,3,4,7,8-HxCDF	2.50e2	1.51	YES	1.14	10.043	33.79	1.000	0.279		0.149	0.249
12	1,2,3,6,7,8-HxCDF	2.41e2	1.14	NO	1.04	10.043	33.85	1.000	0.250		0.150	0.250
13	2,3,4,6,7,8-HxCDF	2.61e2	1.48	NO	1.13	10.043	34.58	1.000	0.279		0.168	0.279
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.043					0.230	
15	1,2,3,4,6,7,8-HpCDF	6.78e2	0.98	NO	1.11	10.043	37.28	1.001	0.856		0.0811	0.856
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.043					0.0961	
17	OCDF			NO	0.93	10.043					0.253	
18	13C-2,3,7,8-TCDD	1.60e5	0.73	NO	1.28	10.043	27.08	1.024	187	93.8	0.305	
19	13C-1,2,3,7,8-PeCDD	1.29e5	0.62	NO	0.88	10.043	31.21	1.181	295	103	0.362	
20	13C-1,2,3,4,7,8-HxCDD	1.01e5	1.27	NO	0.88	10.043	34.78	1.015	216	108	0.844	
21	13C-1,2,3,6,7,8-HxCDD	1.17e5	1.38	NO	0.87	10.043	34.82	1.018	222	111	0.751	
22	13C-1,2,3,7,8,9-HxCDD	1.19e5	1.30	NO	0.88	10.043	35.11	1.027	225	113	0.748	



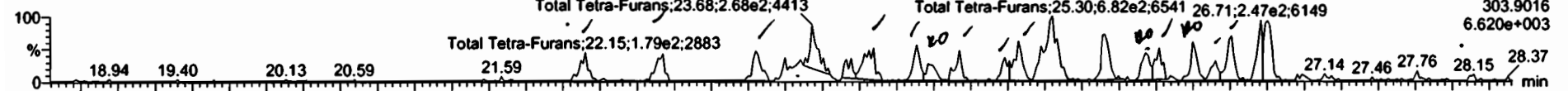
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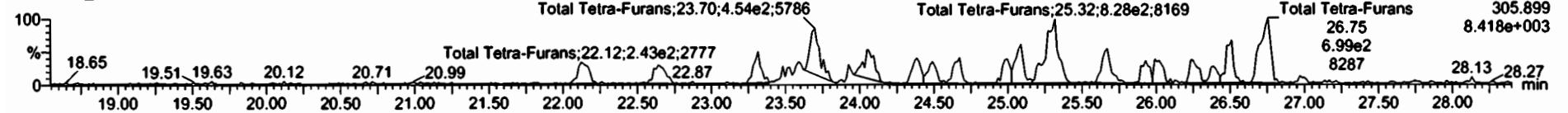
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**2,3,7,8-TCDF**

210409D1\_13



210409D1\_13

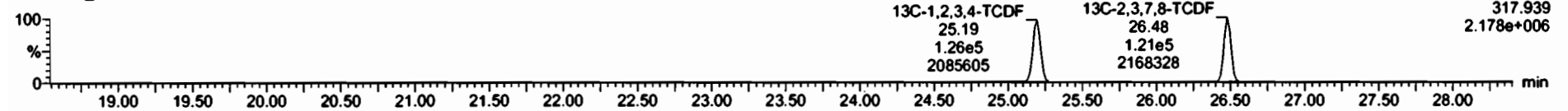


**13C-2,3,7,8-TCDF**

210409D1\_13

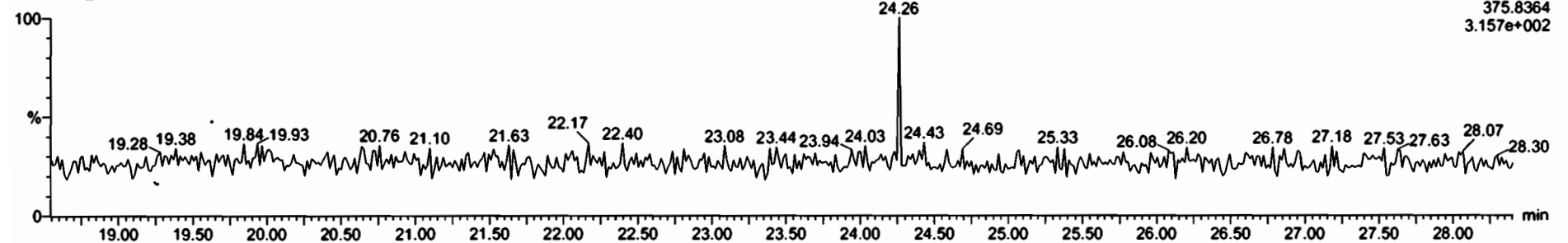


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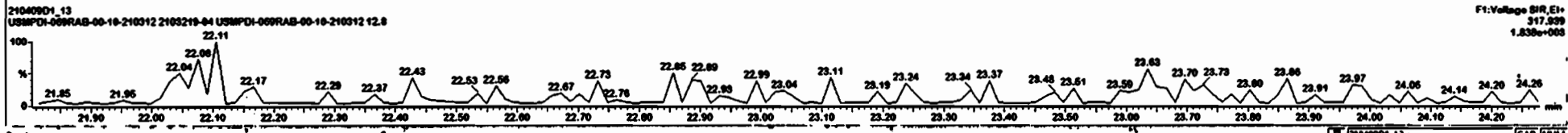
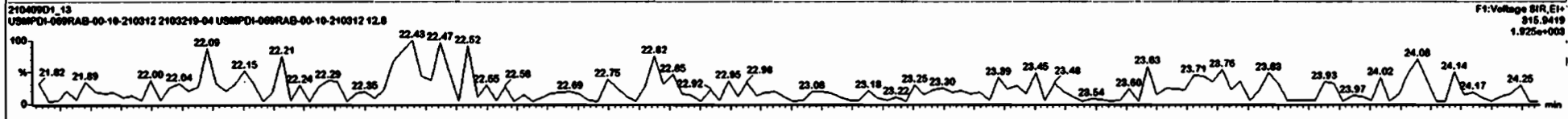
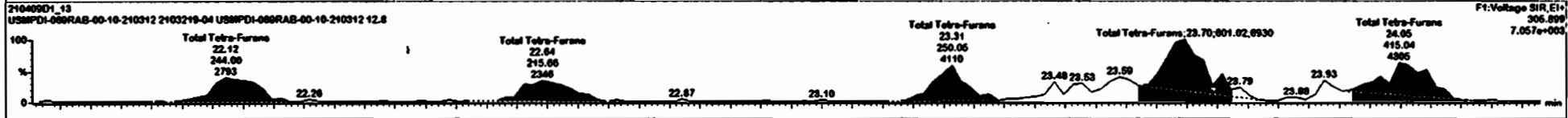
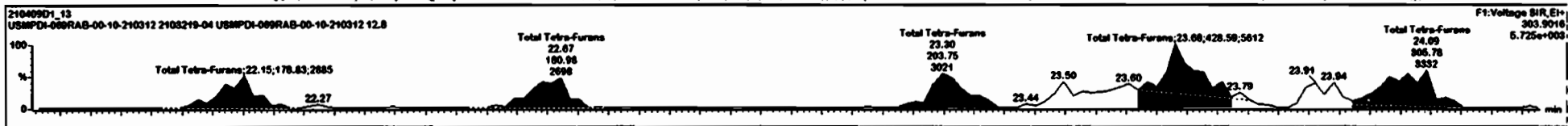


**DPE1**

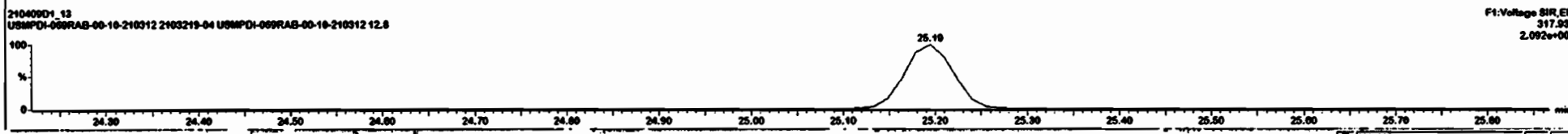
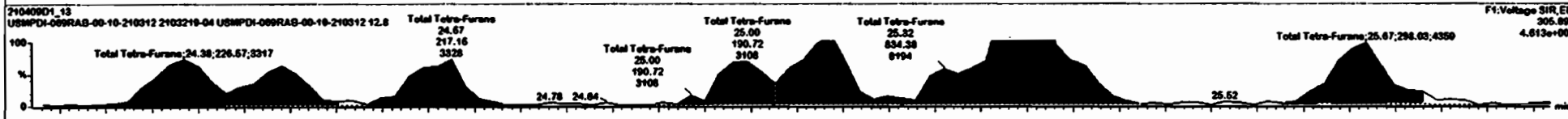
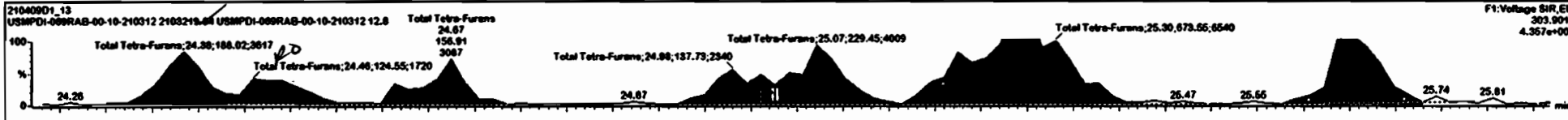
210409D1\_13



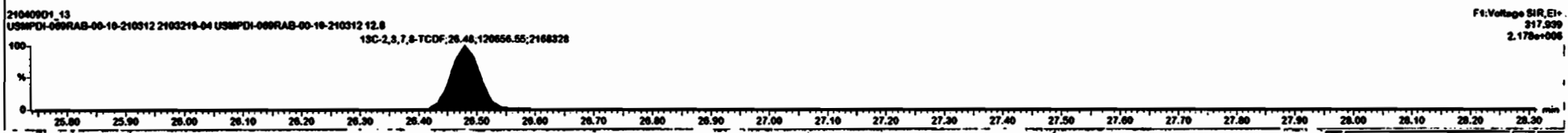
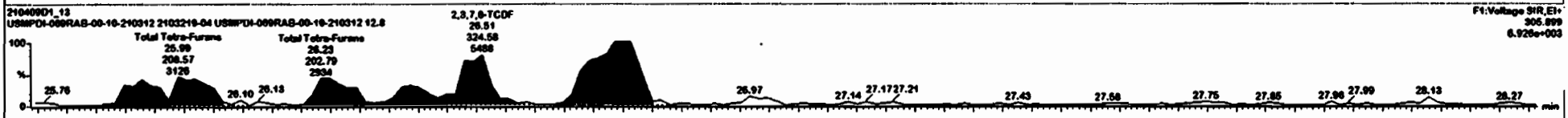
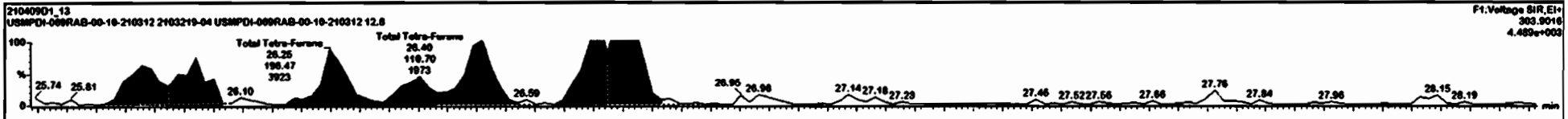
Name	Resp	RA	n/y	RRF	u/wval	RT	RRT	Conc	%Rec	b	CL	ExpC
35 37D-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.86	1.825	75.3	94.6		0.102	
36 13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	26.42	1.800	189	100		0.367	
37 13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.800	189	100		0.303	
38 13C-1,2,3,4,6,9-HxCDF	1.56e5	0.52	NO	1.00	10.043	34.19	1.800	199	100		0.769	
39 Total Tetra-Dioxina				1.00	10.043			0.000			0.0645	0.319
40 Total Penta-Dioxina				0.90	10.043			0.0067			0.179	0.463
41 Total Hexa-Dioxina				1.04	10.043			0.673			0.146	0.673
42 Total Hepta-Dioxina				1.00	10.043			2.37			0.253	2.37
43 Total Tetra-Furans				0.99	10.043			7.79			0.100	9.41
44 1st Func. Penta-Furans				1.02	10.043			0.000			0.8115	0.830
45 Total Penta-Furans				1.02	10.043			2.71			0.130	4.09
46 Total Hexa-Furans				1.13	10.043			2.10			0.167	2.67
47 Total Hepta-Furans				1.11	10.043			1.37			0.0830	1.37
48 PFK1												
49 PFK2												
50 PFK3												
51 PFK4												



SL	Name	Resp	RA	xy	RRF	wval	RT	RRT	Conc	%Rec	DL	EMPC
35	37C-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.00	1.025	75.3	94.8	0.102	
36	13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	26.42	1.000	199	100	0.307	
37	13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	199	100	0.303	
38	13C-1,2,3,4,6,8-HxCDF	1.58e5	0.52	NO	1.00	10.043	34.19	1.000	199	100	0.700	
39	Total Tetra-Dioxins				1.00	10.043			0.000		0.0545	0.319
40	Total Penta-Dioxins				0.98	10.043			0.0007		0.179	0.485
41	Total Hexa-Dioxins				1.04	10.043			0.073		0.140	0.673
42	Total Hepta-Dioxins				1.00	10.043			2.37		0.253	2.37
43	Total Tetra-Furans				0.99	10.043			0.07		0.100	9.47
44	Total Penta-Furans				1.02	10.043			0.000		0.0115	0.830
45	Total Hexa-Furans				1.02	10.043			2.71		0.130	4.09
46	Total Hepta-Furans				1.13	10.043			2.10		0.167	2.67
47	Total Tetra-Furans				1.11	10.043			1.37		0.0830	1.37
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											



Name	Resp	RA	idY	RRF	idVal	RT	RRT	Conc	%Rec	DL	EMPC
35 3TC-2,3,7,8-TCDD	5.90e4			1.11	10.043	27.80	1.025	75.3	94.8	0.102	
36 13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.90	10.043	26.42	1.000	199	100	0.367	
37 13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	189	100	0.303	
38 13C-1,2,3,4,6,8-HxCDF	1.56e5	0.52	NO	1.00	10.043	34.19	1.000	199	100	0.708	
39 Total Tetra-Dioxins				1.00	10.043			0.006		0.0545	0.319
40 Total Penta-Dioxins				0.50	10.043			0.0087		0.179	0.485
41 Total Hexa-Dioxins				1.04	10.043			0.673		0.148	0.673
42 Total Hepta-Dioxins				1.00	10.043			2.37		0.253	2.37
43 Total Tetra-Furans				0.99	10.043			0.07		0.106	9.47
44 Tot Func. Penta-Furans				1.02	10.043			0.000		0.0115	0.830
45 Total Penta-Furans				1.02	10.043			2.71		0.139	4.09
46 Total Hexa-Furans				1.13	10.043			2.10		0.167	2.67
47 Total Hepta-Furans				1.11	10.043			1.37		0.0830	1.37
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											



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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
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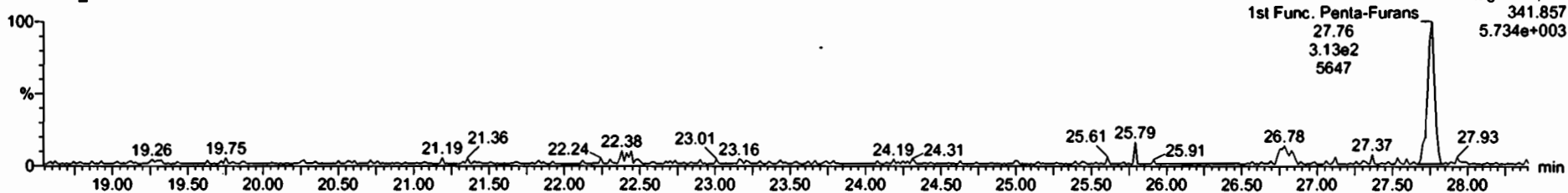
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1st Func. Penta-Furans

210409D1\_13

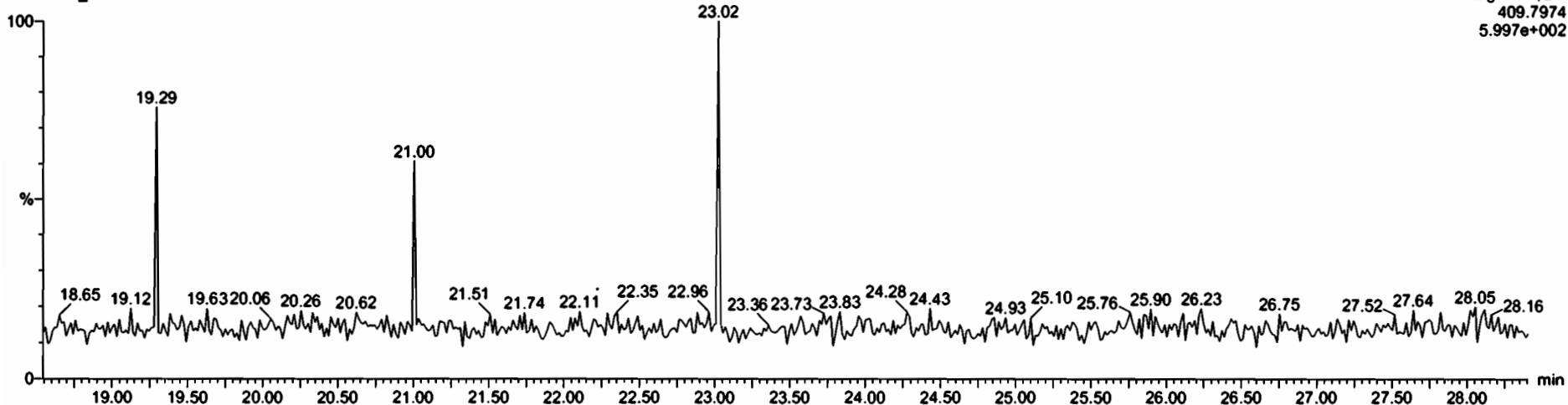


210409D1\_13



DPE6

210409D1\_13



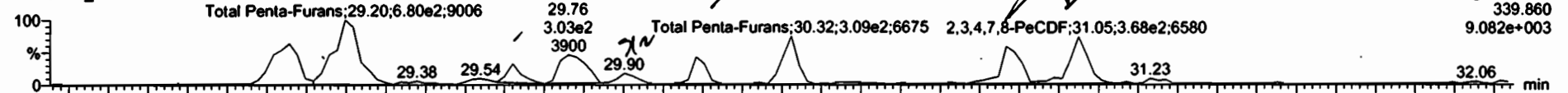
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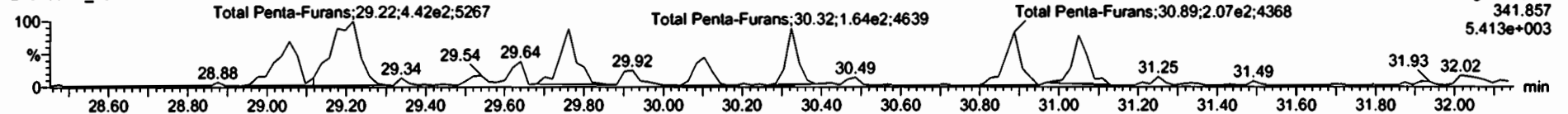
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**1,2,3,7,8-PeCDF**

210409D1\_13



210409D1\_13

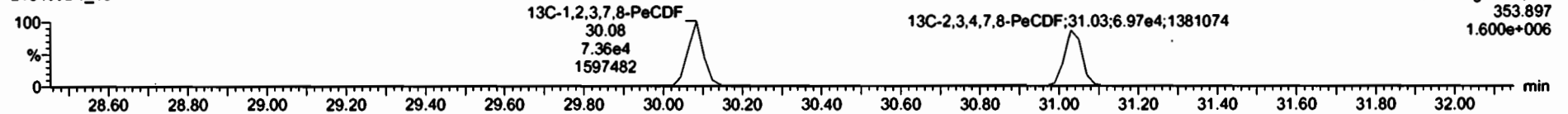


**13C-1,2,3,7,8-PeCDF**

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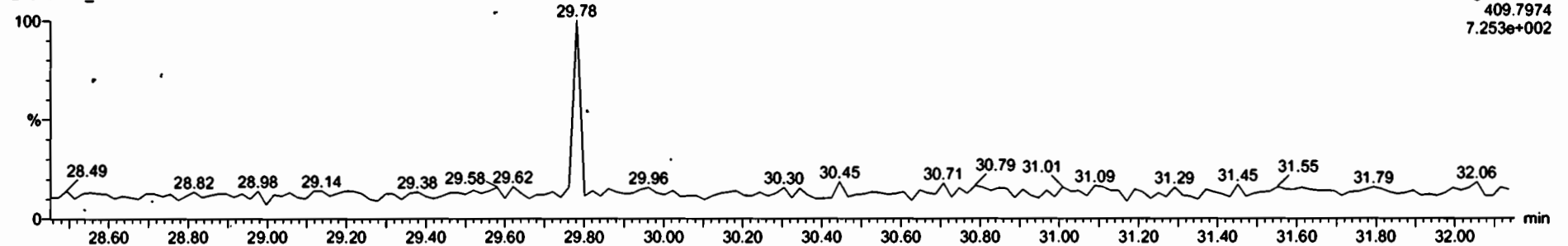


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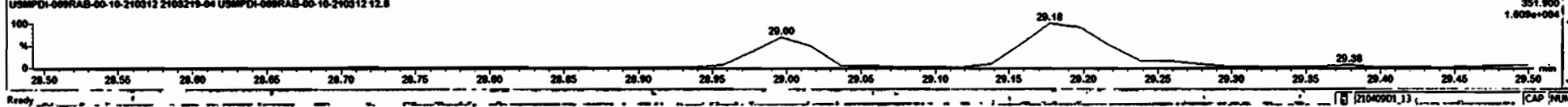
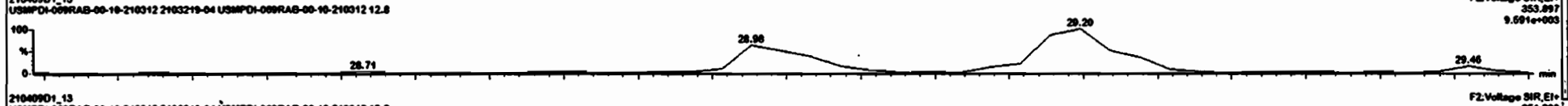
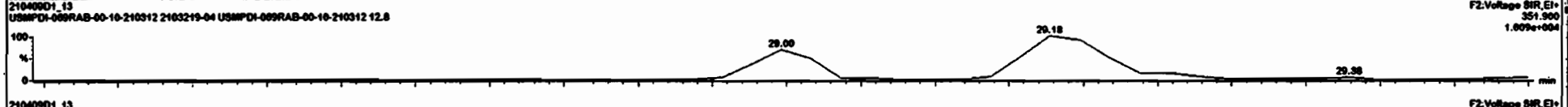
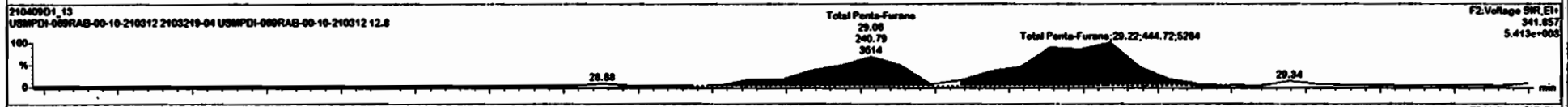
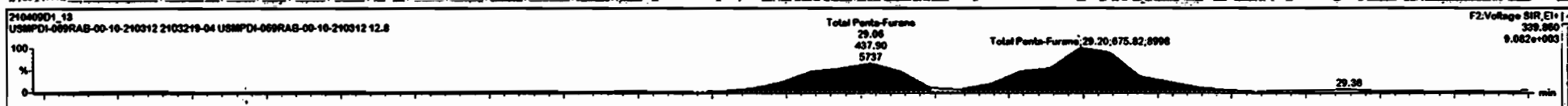
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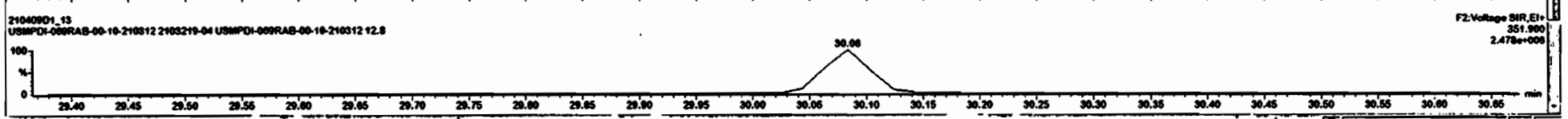
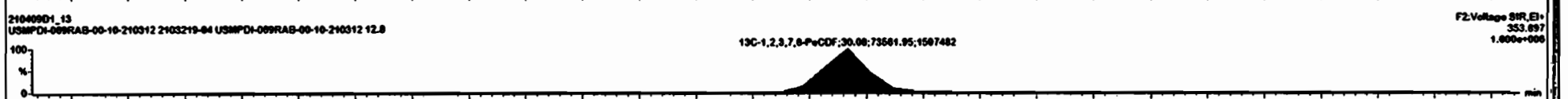
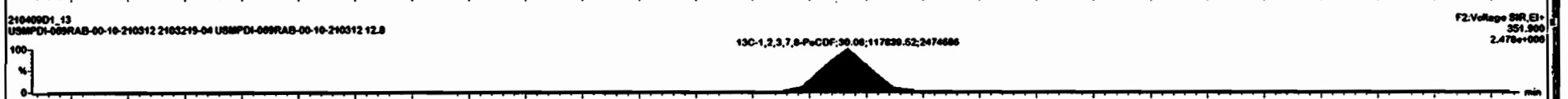
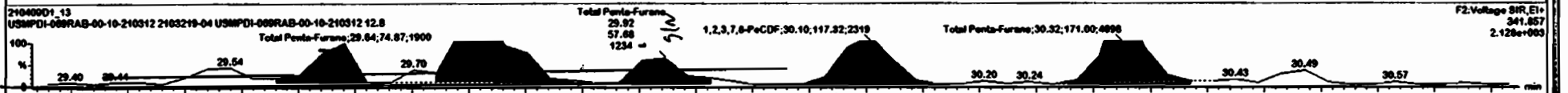
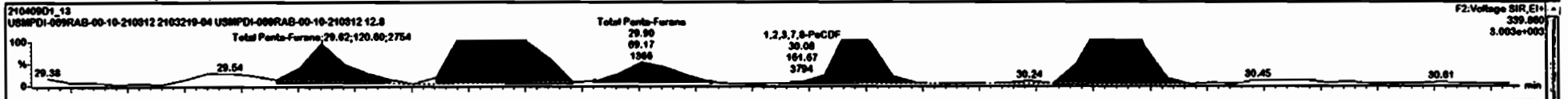




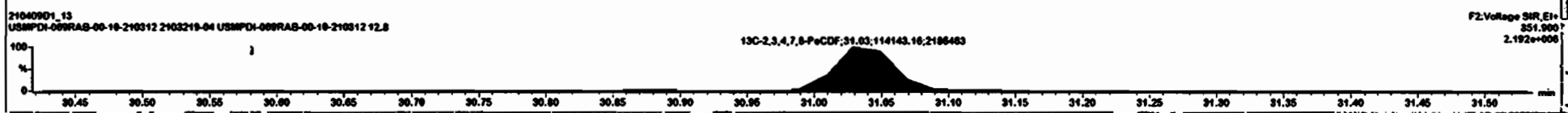
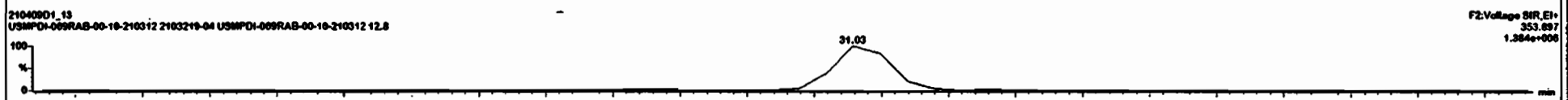
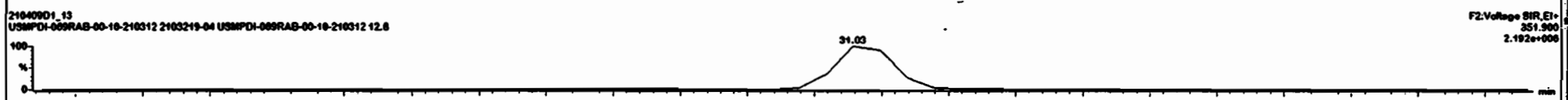
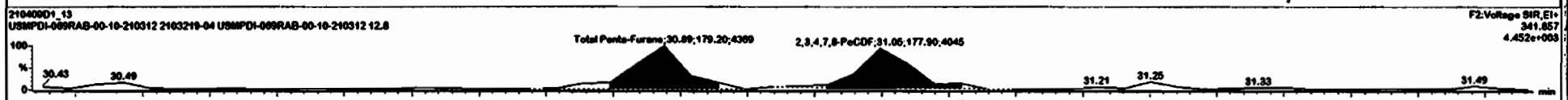
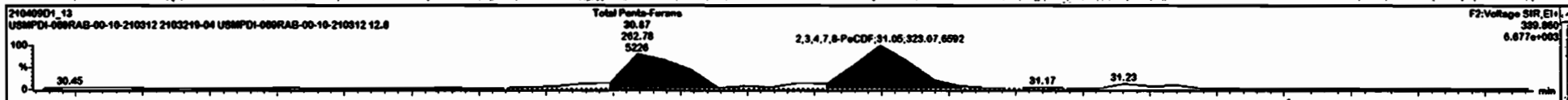
Name	Resp	RA	n/y	RRF	WtWtd	RT	RTT	Conc	%Rec	DL	EMPC
35 37Cl-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.08	1.825	75.3	94.8	0.102	
36 13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	26.42	1.000	199	100	0.367	
37 13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	199	100	0.303	
38 13C-1,2,3,4,6,8-HxCDF	1.56e5	0.52	NO	1.00	10.043	34.19	1.000	199	100	0.789	
39 Total Tetra-Dioxins				1.00	10.043			0.000		0.0645	0.319
40 Total Penta-Dioxins				0.98	10.043			0.0067		0.179	0.485
41 Total Hexa-Dioxins				1.04	10.043			0.673		0.148	0.673
42 Total Hepta-Dioxins				1.06	10.043			2.37		0.253	2.37
43 Total Tetra-Furans				0.99	10.043			8.87		0.196	9.47
44 1st Func. Penta-Furans				1.02	10.043			0.900		0.0115	0.830
45 2nd Func. Penta-Furans				1.02	10.043			3.25		0.136	4.41
46 Total Hexa-Furans				1.13	10.043			2.18		0.167	2.67
47 Total Hepta-Furans				1.11	10.043			1.37		0.0830	1.37
48 PFK1											
49 PFK2											
50 PFK3											



Name	Resp	RA	aly	RF <sup>2</sup>	Wval	RT	RRT	Conc.	%Acc	DL	EMPC
35 3TC-2,3,7,8-TCDD	5.90e4			1.11	10.043	27.08	1.825	75.3	94.8	0.102	
36 13C-1,2,3,4-TCDD	1.42e5	0.77	HO	1.00	10.043	26.42	1.000	199	100	0.387	
37 13C-1,2,3,4-TCDF	2.25e5	0.78	HO	1.00	10.043	25.19	1.000	199	100	0.303	
38 13C-1,2,3,4,6,8-HxCDF	1.56e5	0.52	HO	1.00	10.043	34.19	1.000	199	100	0.780	
39 Total Tetra-Dioxins				1.00	10.043			0.000		0.0645	0.319
40 Total Penta-Dioxins				0.58	10.043			0.0807		0.179	0.485
41 Total Hexa-Dioxins				1.04	10.043			0.673		0.146	0.673
42 Total Hepta-Dioxins				1.00	10.043			2.37		0.253	2.37
43 Total Tetra-Furans				0.99	10.043			0.07		0.106	9.47
44 1st Func. Penta-Furans				1.02	10.043			0.080		0.0115	0.830
45 Total Penta-Furans				1.82	10.043			3.23		0.138	4.41
46 Total Hexa-Furans				1.13	10.043			2.16		0.167	2.67
47 Total Hepta-Furans				1.11	10.043			1.37		0.0830	1.37
48 PFK1											
49 PFK2											
50 PFK3											



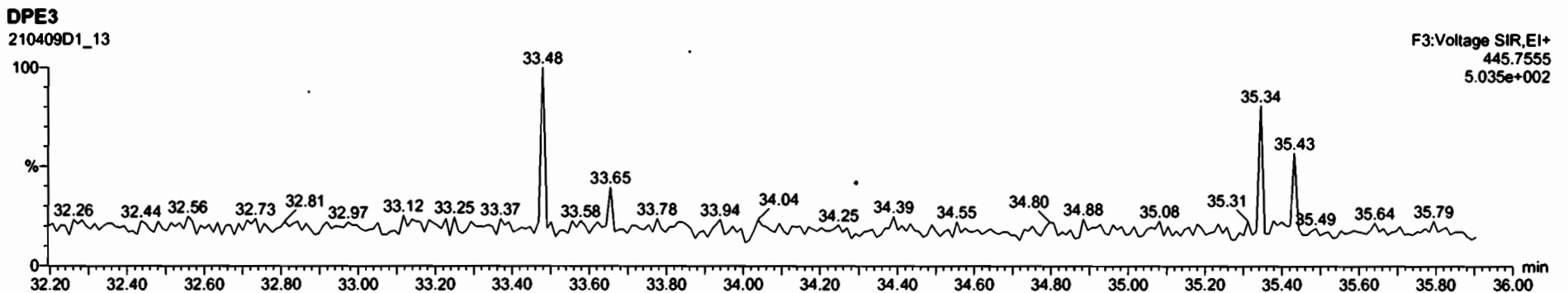
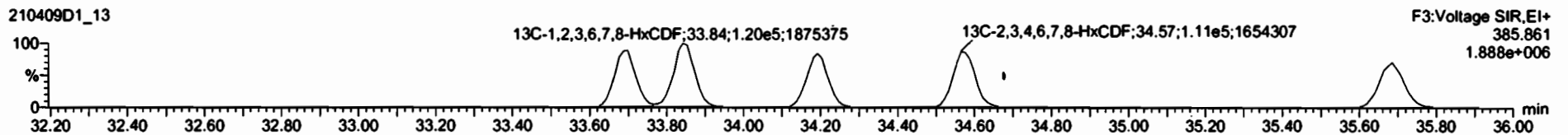
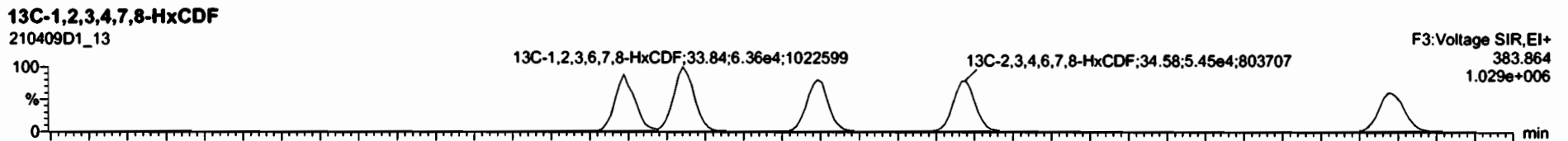
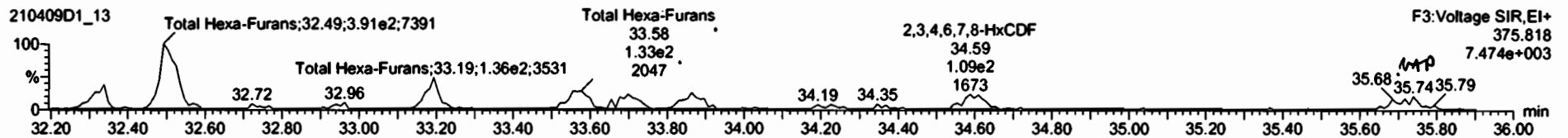
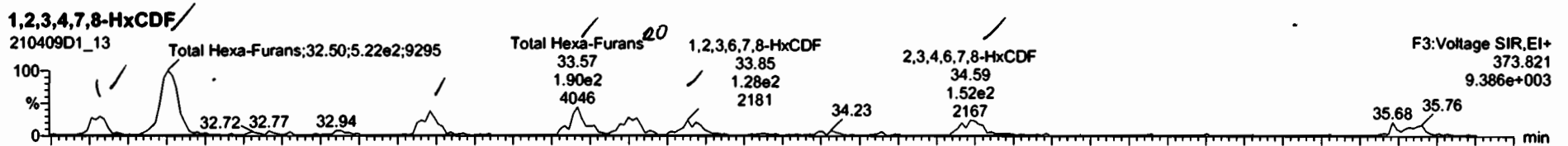
#	Name	Resp	RA	ntv	RPF	wPeak	RT	RRT	Conc	%Rec	DL	EMPC
35	13C-2,3,7,8-TCDF	5.90e4			1.11	10.043	27.06	1.025	75.3	94.6	0.102	
36	13C-1,2,3,4-TCDF	1.42e5	0.77	NO	1.00	10.043	26.42	1.000	199	100	0.357	
37	13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	199	100	0.303	
38	13C-1,2,3,4,8,9-HxCDF	1.58e5	0.52	NO	1.00	10.043	34.19	1.000	199	100	0.789	
39	Total Tetra-Dioxins				1.00	10.043			0.000	0.0645	0.319	
40	Total Penta-Dioxins				0.96	10.043			0.0667	0.179	0.465	
41	Total Hexa-Dioxins				1.04	10.043			0.673	0.146	0.673	
42	Total Hepta-Dioxins				1.08	10.043			2.37	0.253	2.37	
43	Total Tetra-Furans				0.90	10.043			8.07	0.180	9.47	
44	Total Penta-Furans				1.02	10.043			0.800	0.8115	0.830	
45	Total Hexa-Furans				1.02	10.043			3.15	0.139	4.33	
46	Total Hepta-Furans				1.13	10.043			2.16	0.167	2.67	
47	Total Octa-Furans				1.11	10.043			1.37	0.0800	1.37	
48	PFK1											
49	PFK2											
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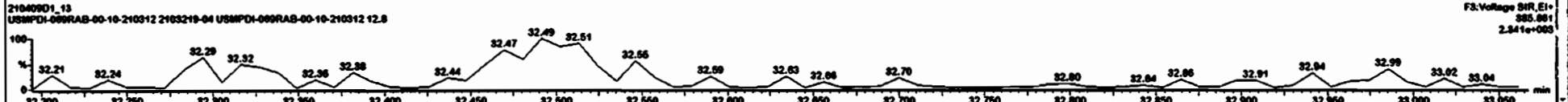
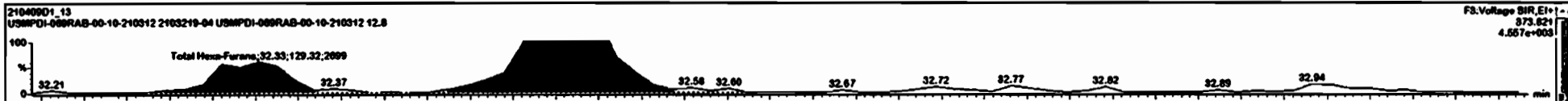
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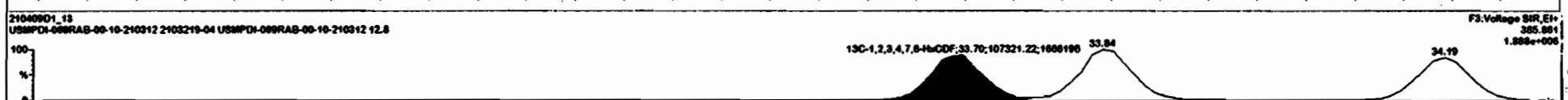
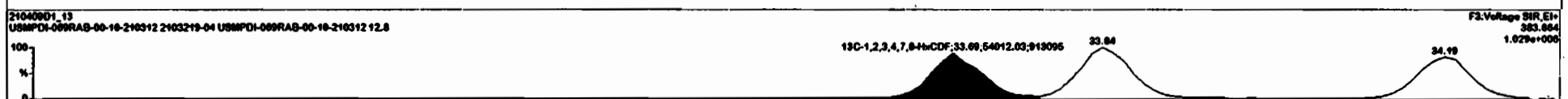


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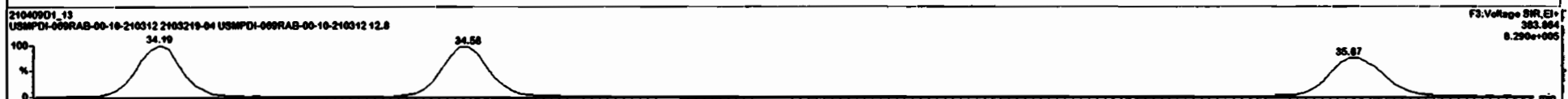
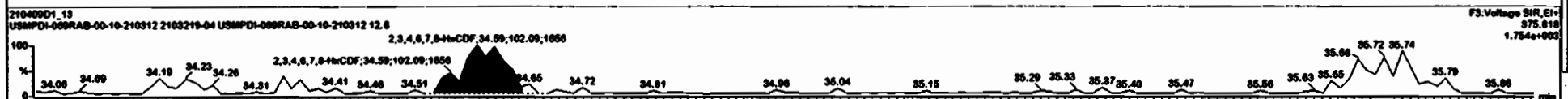
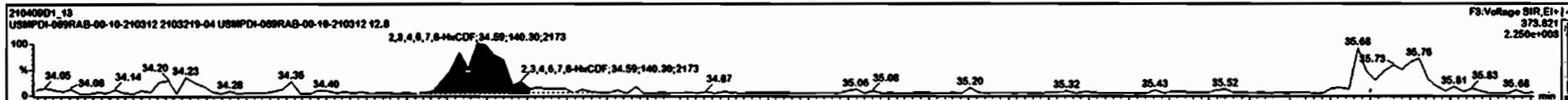
35	Name	Resp	RA	nty	REF	w%vol	RT	RT1	Conc	%Rec	OL	EMPC
35	3TC-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.88	1.825	73.3	94.6	0.102	
36	13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	28.42	1.000	100	100	0.387	
37	13C-1,2,3,4-TCDF	2.75e5	0.78	NO	1.00	10.043	25.19	1.000	100	100	0.303	
38	13C-1,2,3,4,8,9-HxCDF	1.58e5	0.52	NO	1.00	10.043	34.19	1.000	100	100	0.700	
39	Total Tetra-Dioxine				1.00	10.043			0.080		0.0645	0.319
40	Total Penta-Dioxine				0.99	10.043			0.0087		0.179	0.485
41	Total Hexa-Dioxine				1.04	10.043			0.673		0.146	0.673
42	Total Hepta-Dioxine				1.08	10.043			2.37		0.253	2.37
43	Total Tetra-Furane				0.99	10.043			0.07		0.100	0.47
44	1st Func. Penta-Furane				1.02	10.043			0.008		0.0115	0.830
45	Total Penta-Furane				1.82	10.043			3.15		0.130	4.33
46	Total Hexa-Furane				1.13	10.043			2.08		0.307	2.85
47	Total Hepta-Furane				1.11	10.043			1.37		0.0030	1.37
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											



#	Name	Resp	RA	My	RRP	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.80	1.025	75.3	94.6	0.102	
36	13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	26.42	1.000	199	100	0.367	
37	13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	199	100	0.303	
38	13C-1,2,3,4,8,9-HxCDF	1.58e5	0.52	NO	1.00	10.043	34.19	1.000	199	100	0.709	
39	Total Tetra-Dioxins				1.00	10.043			0.000	0.0645	0.319	
40	Total Penta-Dioxins				0.90	10.043			0.0007	0.179	0.465	
41	Total Hexa-Dioxins				1.04	10.043			0.673	0.146	0.673	
42	Total Hepta-Dioxins				1.00	10.043			2.37	0.253	2.37	
43	Total Tetra-Furans				0.99	10.043			8.87	0.100	9.47	
44	1st Func. Penta-Furans				1.02	10.043			0.000	0.0115	0.030	
45	Total Penta-Furans				1.02	10.043			3.15	0.139	4.33	
46	Total Hexa-Furans				1.13	10.043			2.34	0.167	2.50	
47	Total Hepta-Furans				1.11	10.043			1.37	0.0020	1.37	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											



RT	Name	Resp	RA	dy	RF	wt/vol	RT	dy	Conc	%Rec	DL	EMPC
35	3TC-2,3,7,8-TCDD	5.93e4			1.11	10.043	27.08	1.025	75.3	84.6	0.102	
36	13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	26.42	1.000	199	100	0.307	
37	13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	199	100	0.303	
38	13C-1,2,3,4,6,8-HxCDF	1.58e5	0.52	NO	1.00	10.043	34.19	1.000	199	100	0.709	
39	Total Tetra-Dioxins				1.00	10.043			0.000		0.0645	0.319
40	Total Penta-Dioxins				0.96	10.043			0.0087		0.179	0.465
41	Total Hexa-Dioxins				1.04	10.043			0.673		0.140	0.673
42	Total Hepta-Dioxins				1.00	10.043			2.37		0.253	2.37
43	Total Tetra-Furans				0.99	10.043			0.07		0.108	0.47
44	1st Func. Penta-Furans				1.02	10.043			0.000		0.0115	0.830
45	Total Penta-Furans				1.02	10.043			3.15		0.130	4.33
46	Total Hexa-Furans				1.13	10.043			2.34		0.167	2.56
47	Total Hepta-Furans				1.11	10.043			1.37		0.0830	1.37
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											



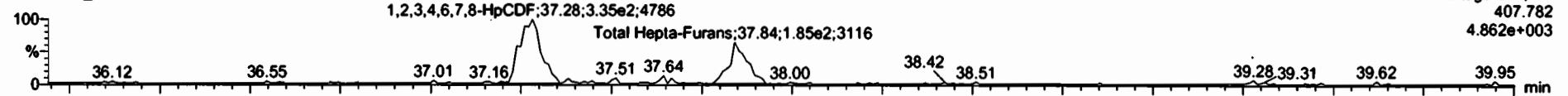
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

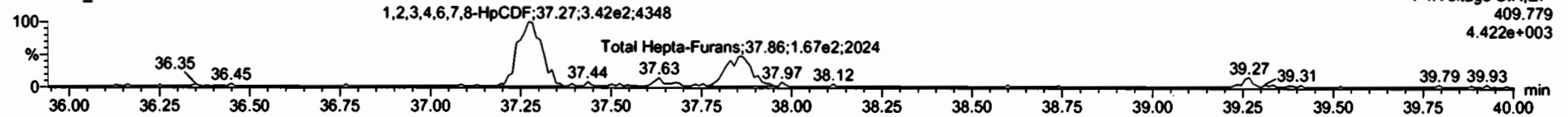
Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312

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

210409D1\_13

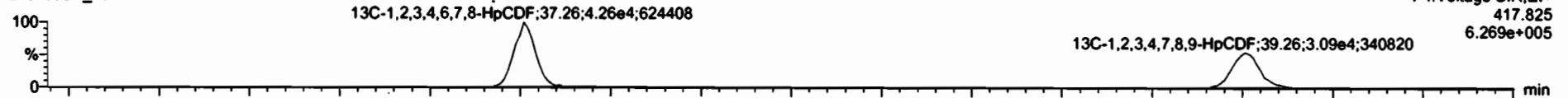


210409D1\_13

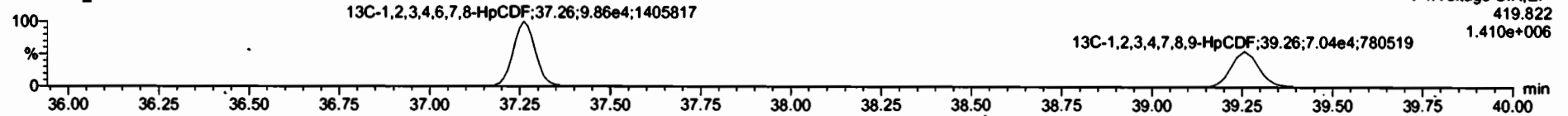


13C-1,2,3,4,6,7,8-HpCDF

210409D1\_13

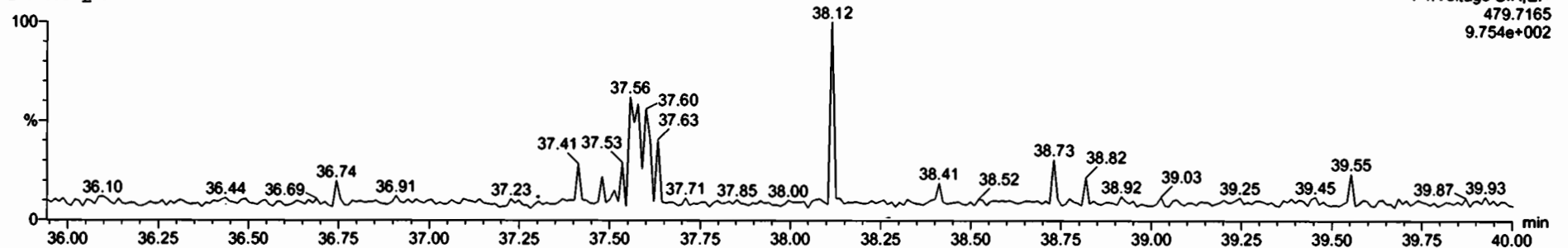


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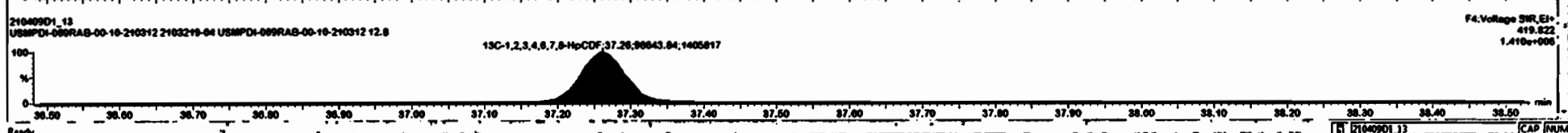
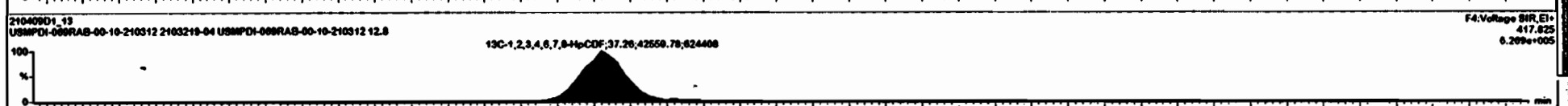
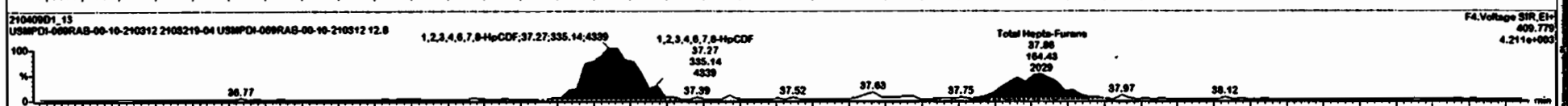
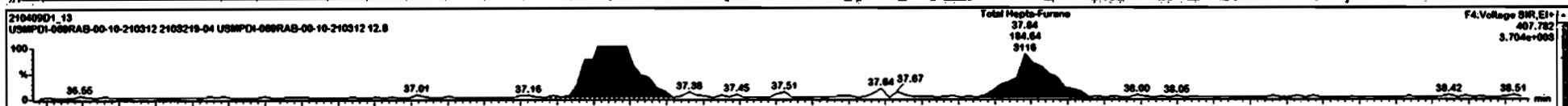
DPE4

210409D1\_13





Item	Resp	RA 4	dy	SD	width	RT	RTT	Conc	%Ac	DL	EMPC
35	37Cl-2,3,7,8-TCDD	5.93e4		1.11	10.043	27.80	1.025	75.3	84.8	0.182	
36*	13C-1,2,3,4-TCDD	1.42e5	0.77	NO	1.00	10.043	26.42	1.000	100	100	0.387
37	13C-1,2,3,4-TCDF	2.25e5	0.78	NO	1.00	10.043	25.19	1.000	100	100	0.303
38	13C-1,2,3,4,6,8-HxCDF	1.56e5	0.52	NO	1.00	10.043	34.19	1.000	100	100	0.700
39	Total Tetra-Dioxine			1.00	10.043			0.080		0.0645	0.319
40	Total Penta-Dioxine			0.96	10.043			0.0087		0.179	0.485
41	Total Hexa-Dioxine			1.04	10.043			0.673		0.146	0.673
42	Total Hepta-Dioxine			1.00	10.043			2.37		0.253	2.37
43	Total Tetra-Furane			0.99	10.043			0.07		0.106	0.47
44	1st Func. Penta-Furane			1.02	10.043			0.000		0.0115	0.830
45	Total Penta-Furane			1.02	10.043			3.15		0.130	4.33
46	Total Hexa-Furane			1.13	10.043			2.34		0.187	2.56
47	Total Hepta-Furane			1.11	10.043			1.30		0.0830	1.36
48	PPK1										
49	PPK2										
50	PPK3										
51	PPK4										
52	PPK5										
53	DPE1										
54	DPE2										
55	DPE3										

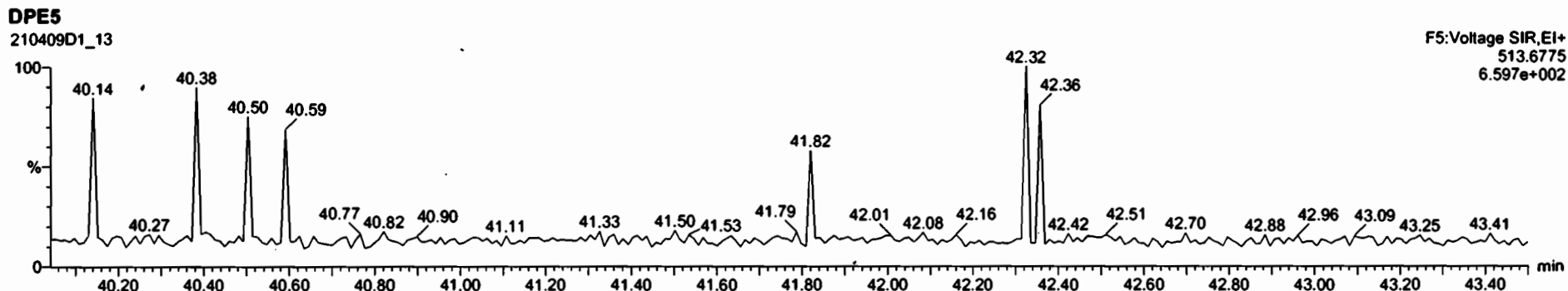
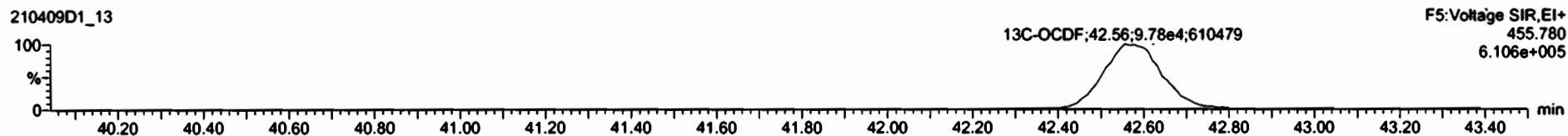
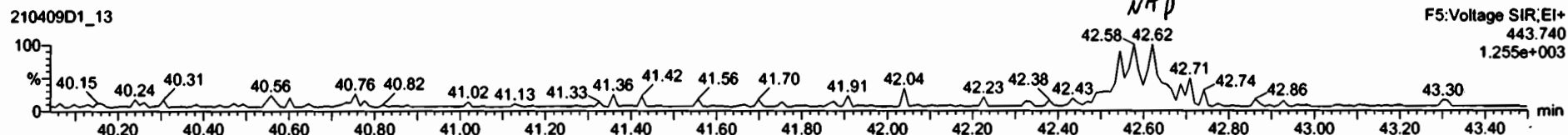
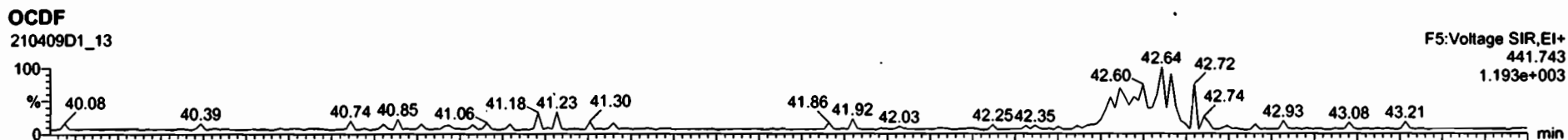


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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time

Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_13, Date: 09-Apr-2021, Time: 18:09:21, ID: 2103219-04 USMPDI-069RAB-00-10-210312 12.8, Description: USMPDI-069RAB-00-10-210312



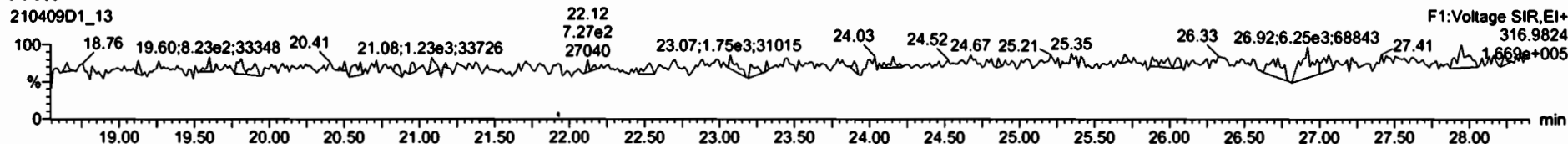
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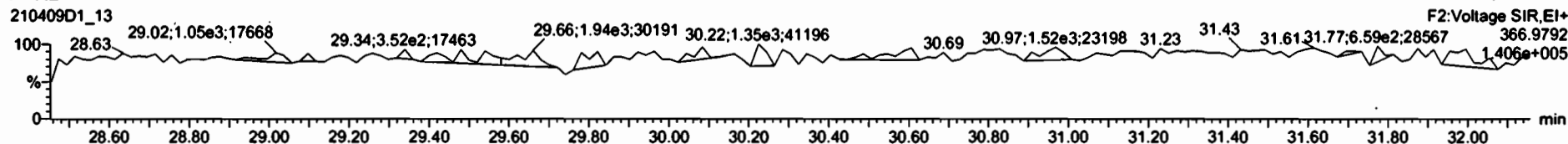
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

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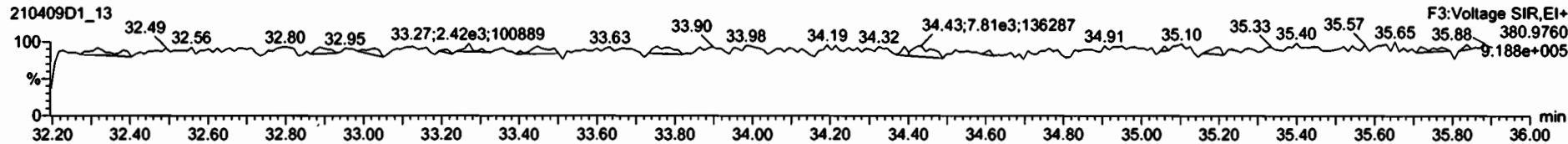
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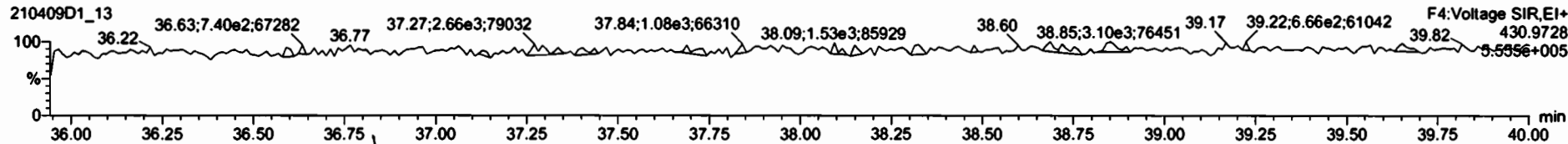
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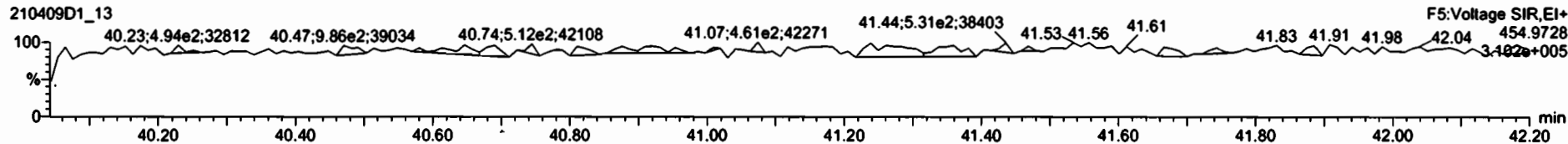
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-14.qld

Last Altered: Tuesday, May 04, 2021 13:56:18 Pacific Daylight Time  
Printed: Tuesday, May 04, 2021 14:10:40 Pacific Daylight Time

*DF05/04/21*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
Calibration: U:\VG7.PRO\CurveDB\BZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

*CT05/06/2021*

Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312, Task: ST210409D1\_1

Name	Resp	RA	Ln	RRF	FW	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	0.998	10.272					0.0999	
2 1,2,3,7,8-PeCDD			NO	0.961	10.272					0.158	
3 1,2,3,4,7,8-HxCDD			NO	1.18	10.272					0.186	
4 1,2,3,6,7,8-HxCDD			NO	1.04	10.272					0.195	
5 1,2,3,7,8,9-HxCDD			NO	1.06	10.272					0.201	
6 1,2,3,4,6,7,8-HpCDD	1.10e3	1.04	NO	1.06	10.272	38.59	1.001	2.1615		0.475	2.16
7 OCDD	4.68e3	0.95	NO	0.977	10.272	42.18	1.000	16.014		1.29	16.0
8 2,3,7,8-TCDF	3.76e2	0.84	NO	0.989	10.272	26.51	1.001	0.32038		0.106	0.320
9 1,2,3,7,8-PeCDF	3.12e2	1.08	YES	1.02	10.272	30.10	1.001	0.30417		0.0844	0.260
10 2,3,4,7,8-PeCDF	4.09e2	1.72	NO	1.17	10.272	31.07	1.001	0.36239		0.0801	0.362
11 1,2,3,4,7,8-HxCDF	4.80e2	1.14	NO	1.14	10.272	33.70	1.000	0.48586		0.135	0.486
12 1,2,3,6,7,8-HxCDF	2.25e2	1.17	NO	1.04	10.272	33.85	1.000	0.22421		0.142	0.224
13 2,3,4,6,7,8-HxCDF			NO	1.13	10.272					0.149	
14 1,2,3,7,8,9-HxCDF			NO	1.07	10.272					0.196	
15 1,2,3,4,6,7,8-HpCDF	8.57e2	0.90	NO	1.11	10.272	37.30	1.000	1.0856		0.0908	1.09
16 1,2,3,4,7,8,9-HpCDF			NO	1.32	10.272					0.144	
17 OCDF	4.79e2	0.90	NO	0.931	10.272	42.56	1.000	1.1361		0.404	1.14
18 13C-2,3,7,8-TCDD	1.67e5	0.77	NO	1.20	10.272	27.06	1.024	193.21	99.2	0.199	
19 13C-1,2,3,7,8-PeCDD	1.25e5	0.63	NO	0.864	10.272	31.23	1.182	200.49	103	0.398	
20 13C-1,2,3,4,7,8-HxCDD	1.09e5	1.32	NO	0.600	10.272	34.66	1.015	218.00	112	0.666	
21 13C-1,2,3,6,7,8-HxCDD	1.18e5	1.32	NO	0.674	10.272	34.81	1.019	210.01	108	0.593	
22 13C-1,2,3,7,8,9-HxCDD	1.20e5	1.26	NO	0.679	10.272	35.11	1.028	212.74	109	0.589	
23 13C-1,2,3,4,6,7,8-HpCDD	9.33e4	1.06	NO	0.558	10.272	38.56	1.128	201.16	103	0.923	
24 13C-OCDD	1.17e5	0.90	NO	0.496	10.272	42.17	1.234	282.80	72.6	0.549	
25 13C-2,3,7,8-TCDF	2.31e5	0.79	NO	1.03	10.272	26.49	1.003	190.28	97.7	0.242	
26 13C-1,2,3,7,8-PeCDF	1.96e5	1.61	NO	0.805	10.272	30.08	1.139	205.36	105	0.462	
27 13C-2,3,4,7,8-PeCDF	1.87e5	1.60	NO	0.748	10.272	31.05	1.175	211.68	109	0.497	
28 13C-1,2,3,4,7,8-HxCDF	1.69e5	0.51	NO	0.968	10.272	33.69	0.986	210.01	108	0.723	
29 13C-1,2,3,6,7,8-HxCDF	1.88e5	0.53	NO	1.08	10.272	33.84	0.990	208.04	107	0.646	
30 13C-2,3,4,6,7,8-HxCDF	1.67e5	0.49	NO	0.960	10.272	34.56	1.011	208.73	107	0.729	

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-14.qld

Last Altered: Tuesday, May 04, 2021 13:56:18 Pacific Daylight Time

Printed: Tuesday, May 04, 2021 14:10:40 Pacific Daylight Time

Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312, Task: ST210409D1\_1

Name	Resp	RA	Conc	RRF	wt/vol	RT	RRT	Conc	%Rec	DU	EMPC
31 13C-1,2,3,7,8,9-HxCDF	1.58e5	0.50	NO	0.869	10.272	35.69	1.044	219.01	112	0.806	
32 13C-1,2,3,4,6,7,8-HpCDF	1.38e5	0.45	NO	0.794	10.272	37.30	1.092	209.09	107	0.808	
33 13C-1,2,3,4,7,8,9-HpCDF	9.79e4	0.43	NO	0.586	10.272	39.28	1.150	201.05	103	1.09	
34 13C-OCDF	1.76e5	0.91	NO	0.711	10.272	42.53	1.245	298.37	76.6	0.548	
35 37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.272	27.08	1.025	79.307	102	0.0593	
36 13C-1,2,3,4-TCDD	1.40e5	0.76	NO	1.00	10.272	26.42	1.000	194.71	100	0.239	
37 13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	194.71	100	0.248	
38 13C-1,2,3,4,6,9-HxCDF	1.62e5	0.51	NO	1.00	10.272	34.17	1.000	194.71	100	0.700	
39 Total Tetra-Dioxins				0.998	10.272			0.37742		0.0999	0.377
40 Total Penta-Dioxins				0.961	10.272			0.00000		0.0688	0.306
41 Total Hexa-Dioxins				1.04	10.272			1.1328		0.203	1.13
42 Total Hepta-Dioxins				1.06	10.272			4.9684		0.475	4.97
43 Total Tetra-Furans				0.989	10.272			1.2629		0.106	1.99
44 1st Func. Penta-Furans				1.02	10.272			0.65050		0.0316	0.651
45 Total Penta-Furans				1.02	10.272			1.6592		0.0881	2.32
46 Total Hexa-Furans				1.13	10.272			1.7964		0.150	1.96
47 Total Hepta-Furans				1.11	10.272			1.9178		0.124	1.92

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-14.qld

Last Altered: Tuesday, May 04, 2021 13:56:18 Pacific Daylight Time

Printed: Tuesday, May 04, 2021 14:10:40 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312, Task: ST210409D1\_1

**Tetra-Dioxins**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	24.00	1.882e3	3.137e3	1.454e2	1.780e2	0.82	NO	3.234e2	0.37742	0.37700	0.0999

**Penta-Dioxins**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.20	1.554e3	1.781e3	9.347e1	1.155e2	0.81	YES	0.000e0	0.00000	0.30600	0.158

**Hexa-Dioxins**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.90	4.092e3	4.291e3	2.508e2	1.865e2	1.35	NO	4.373e2	0.70921	0.70900	0.203
Total Hexa-Dioxins	33.54	2.771e3	3.478e3	1.359e2	1.253e2	1.08	NO	2.612e2	0.42363	0.42400	0.203

**Hepta-Dioxins**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.58	1.022e4	9.411e3	7.220e2	7.034e2	1.03	NO	1.425e3	2.8070	2.8070	0.475
1,2,3,4,6,7,8-HpCDD	38.59	6.241e3	6.245e3	5.610e2	5.366e2	1.04	NO	1.098e3	2.1615	2.1610	0.475

**Tetra-Furans**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	22.15	7.960e2	1.377e3	4.946e1	7.267e1	0.68	NO	1.221e2	0.10413	0.10400	0.106
Total Tetra-Furans	22.66	9.170e2	1.386e3	6.617e1	1.171e2	0.56	YES	0.000e0	0.00000	0.13000	0.106
Total Tetra-Furans	23.33	3.322e3	3.174e3	1.597e2	2.093e2	0.76	NO	3.690e2	0.31460	0.31500	0.106
Total Tetra-Furans	25.29	3.087e3	3.455e3	2.782e2	3.361e2	0.83	NO	6.143e2	0.52378	0.52400	0.106
Total Tetra-Furans	25.68	2.495e3	3.113e3	1.189e2	1.971e2	0.60	YES	0.000e0	0.00000	0.23300	0.106
2,3,7,8-TCDF	26.51	2.883e3	4.214e3	1.712e2	2.045e2	0.84	NO	3.758e2	0.32038	0.32000	0.106
Total Tetra-Furans	26.75	2.531e3	3.079e3	2.223e2	2.409e2	0.92	YES	0.000e0	0.00000	0.36400	0.106

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Dataset: U:\VG7.PRO\Results\210409D1\210409D1-14.qld

Last Altered: Tuesday, May 04, 2021 13:56:18 Pacific Daylight Time

Printed: Tuesday, May 04, 2021 14:10:40 Pacific Daylight Time

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Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.75	5.462e3	4.638e3	3.895e2	2.642e2	1.48	NO	6.537e2	0.65050	0.65100	0.0316

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Furans	29.06	3.027e3	1.644e3	1.916e2	1.160e2	1.65	NO	3.077e2	0.30615	0.30600	0.0881
Total Penta-Furans	29.22	4.548e3	3.380e3	4.150e2	2.846e2	1.46	NO	6.996e2	0.69614	0.69600	0.0881
Total Penta-Furans	29.78	2.874e3	1.911e3	1.682e2	1.510e2	1.11	YES	0.000e0	0.00000	0.27500	0.0881
1,2,3,7,8-PeCDF	30.10	3.559e3	2.322e3	1.624e2	1.499e2	1.08	YES	3.123e2	0.00000	0.26000	0.0844
Total Penta-Furans	30.33	4.090e3	2.275e3	1.817e2	1.142e2	1.59	NO	2.959e2	0.29450	0.29400	0.0881
Total Penta-Furans	30.91	2.144e3	1.150e3	1.339e2	5.060e1	2.65	YES	0.000e0	0.00000	0.12800	0.0881
2,3,4,7,8-PeCDF	31.07	5.759e3	3.283e3	2.587e2	1.504e2	1.72	NO	4.092e2	0.36239	0.36200	0.0801

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.34	2.977e3	1.476e3	1.150e2	7.249e1	1.59	YES	0.000e0	0.00000	0.16500	0.150
Total Hexa-Furans	32.50	6.443e3	6.141e3	3.395e2	2.893e2	1.17	NO	6.288e2	0.63732	0.63700	0.150
Total Hexa-Furans	33.21	3.158e3	3.307e3	1.569e2	1.455e2	1.08	NO	3.024e2	0.30648	0.30600	0.150
Total Hexa-Furans	33.57	1.737e3	1.602e3	7.597e1	6.462e1	1.18	NO	1.406e2	0.14251	0.14300	0.150
1,2,3,4,7,8-HxCDF	33.70	4.380e3	5.029e3	2.552e2	2.246e2	1.14	NO	4.798e2	0.48586	0.48600	0.135
1,2,3,6,7,8-HxCDF	33.85	2.188e3	1.927e3	1.215e2	1.035e2	1.17	NO	2.250e2	0.22421	0.22400	0.142

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	37.30	6.630e3	6.836e3	4.071e2	4.499e2	0.90	NO	8.570e2	1.0856	1.0860	0.0908
Total Hepta-Furans	37.88	4.113e3	4.228e3	2.899e2	2.717e2	1.07	NO	5.617e2	0.83228	0.83200	0.124

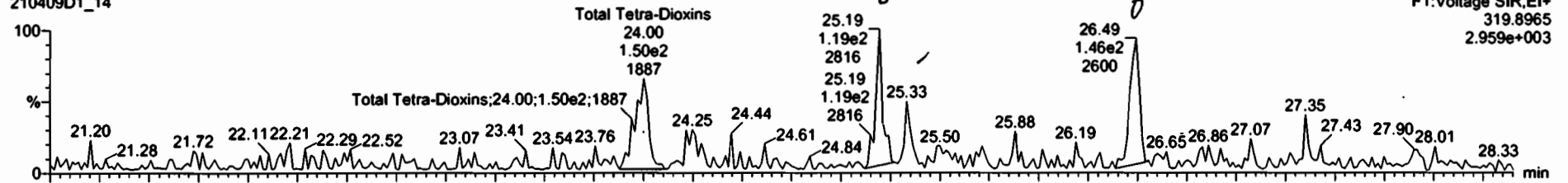
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

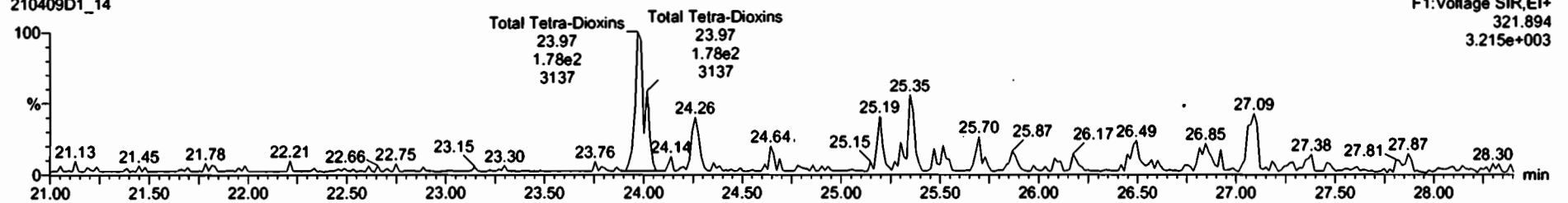
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2,3,7,8-TCDD

210409D1\_14



210409D1\_14

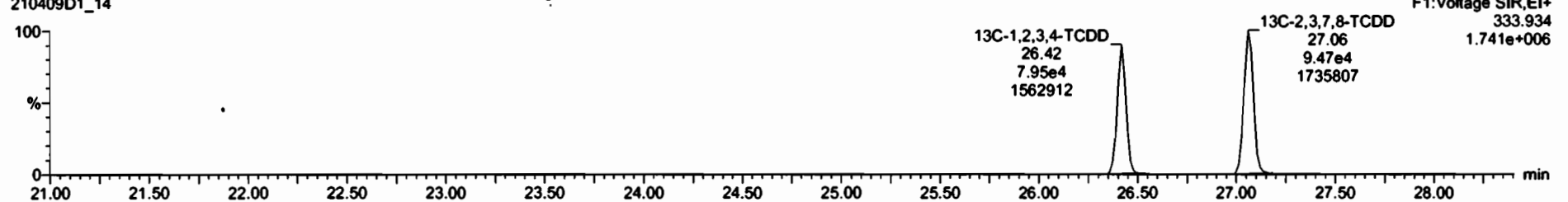


13C-2,3,7,8-TCDD

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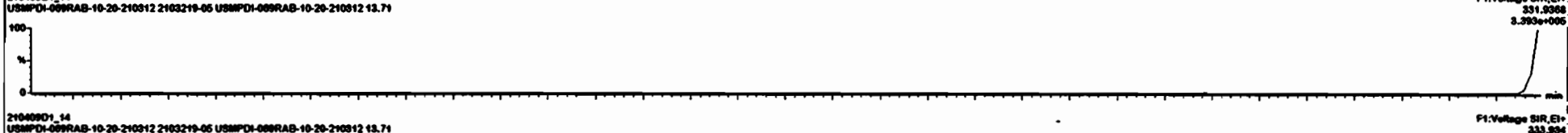
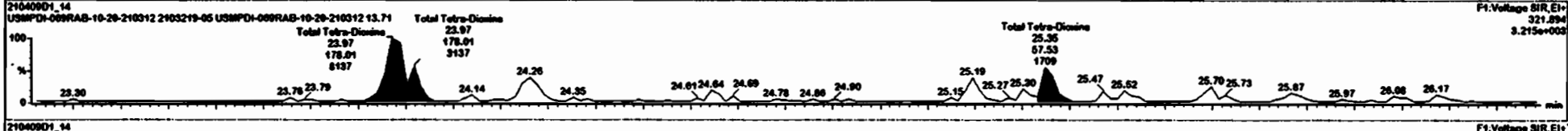
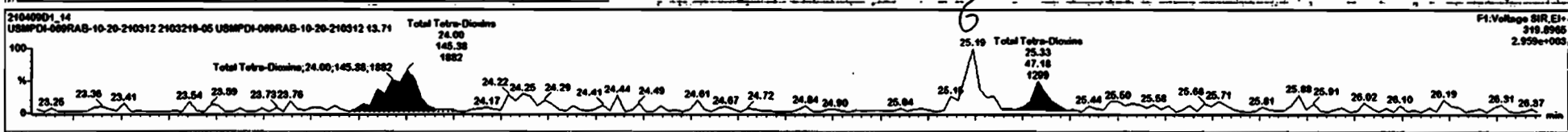


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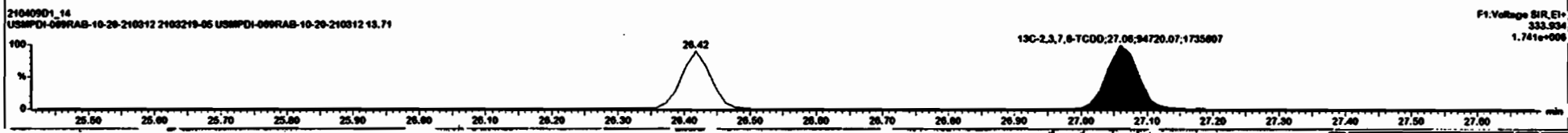
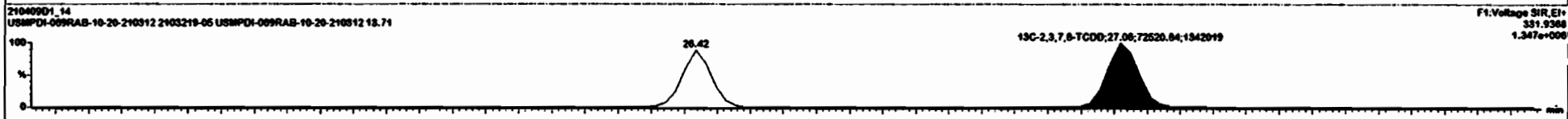
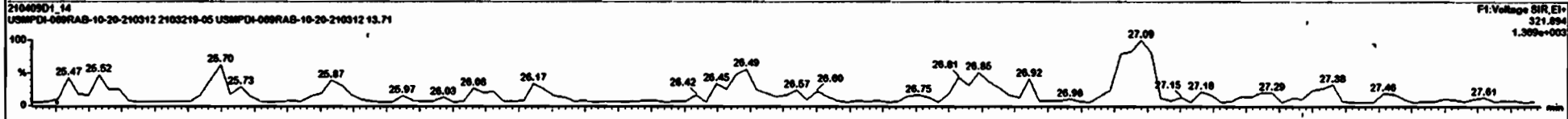
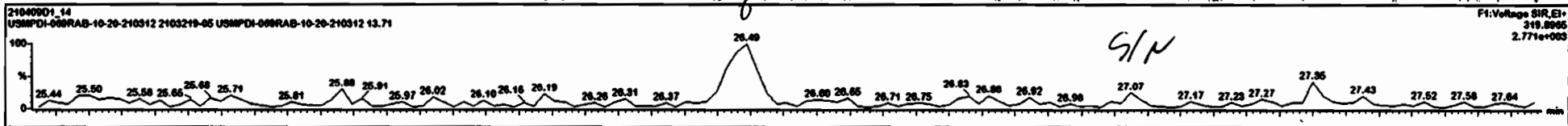




#	Name	Resp	RA	inj	RF <sup>2</sup>	WWT <sup>2</sup>	RT	RRT	Conc.	%Rec	DL	EMPC
24	13C-OCDD	1.17e5	0.98	NO	0.58	10.272	42.17	1.224	283	72.6	0.548	
25	13C-2,3,7,8-TCDF	2.31e5	0.79	NO	1.03	10.272	28.78	1.003	190	97.7	0.242	
26	13C-1,2,3,4,7,8-PeCDF	1.98e5	1.01	NO	0.81	10.272	30.08	1.130	205	105	0.482	
27	13C-2,3,4,7,8-PeCDF	1.87e5	1.00	NO	0.75	10.272	31.05	1.175	212	109	0.497	
28	13C-1,2,3,4,6,7,8-HxCDF	1.08e5	0.51	NO	0.97	10.272	33.89	0.988	210	188	0.722	
29	13C-1,2,3,6,7,8-HxCDF	1.00e5	0.53	NO	1.00	10.272	33.84	0.990	200	107	0.640	
30	13C-2,3,4,6,7,8-HxCDF	1.07e5	0.49	NO	0.96	10.272	34.58	1.011	209	107	0.729	
31*	13C-1,2,3,7,8,9-HxCDF	1.58e5	0.50	NO	0.87	10.272	35.00	1.044	219	112	0.800	
32	13C-1,2,3,4,6,7,8-HxCDF	1.38e5	0.45	NO	0.79	10.272	37.30	1.092	209	107	0.800	
33	13C-1,2,3,4,7,8,9-HpCDF	9.78e4	0.43	NO	0.58	10.272	39.29	1.150	201	103	1.09	
34	13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	298	78.6	0.548	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.272	27.08	1.025	79.3	182	0.0593	
36	13C-1,2,3,4-TCDD	1.49e5	0.76	NO	1.00	10.272	28.42	1.000	185	100	0.238	
37	13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.248	
38	13C-1,2,3,4,6,8,9-HxCDF	1.02e5	0.51	NO	1.00	10.272	34.17	1.000	195	100	0.700	
39	Total Tetra-Dioxine				1.00	10.272			0.500	0.0999	0.500	
40	Total Penta-Dioxine				0.96	10.272			0.000	0.0000	0.599	



#	Name	Resp	RA	xy	RRF	w/wt	RT	RRT	Coef	%Rec	DL	Et/C
24	13C-OCDD	1.17e5	0.90	NO	0.50	10.272	42.17	1.234	283	72.8	0.540	
25	13C-2,3,7,8-TCDF	2.31e5	0.79	NO	1.83	10.272	26.49	1.003	190	97.7	0.242	
26	13C-1,2,3,7,8-PeCDF	1.98e5	1.01	NO	0.81	10.272	30.00	1.130	205	105	0.402	
27	13C-2,3,7,8-PeCDF	1.87e5	1.00	NO	0.75	10.272	31.65	1.175	212	109	0.497	
28	13C-1,2,3,4,7,8-HxCDF	1.69e5	0.51	NO	0.97	10.272	33.00	0.906	210	108	0.723	
29	13C-1,2,3,6,7,8-HxCDF	1.88e5	0.53	NO	1.08	10.272	33.84	0.990	208	107	0.640	
30	13C-2,3,6,7,8-HxCDF	1.87e5	0.49	NO	0.96	10.272	34.56	1.011	209	107	0.729	
31	13C-1,2,3,7,8,9-HxCDF	1.50e5	0.50	NO	0.87	10.272	35.00	1.044	210	112	0.800	
32	13C-1,2,3,4,8,9-HxCDF	1.30e5	0.45	NO	0.79	10.272	37.30	1.092	209	107	0.800	
33	13C-1,2,3,4,7,8,9-HxCDF	0.79e4	0.43	NO	0.50	10.272	39.28	1.150	201	103	1.00	
34	13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	290	70.8	0.548	
35	3TC-2,3,7,8-TCDD	6.32e4			1.11	10.272	27.80	1.025	79.3	102	0.0593	
36	13C-1,2,3,4-TCDD	1.40e5	0.78	NO	1.00	10.272	28.42	1.000	195	100	0.230	
37	13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.240	
38	13C-1,2,3,4,8,9-HxCDF	1.02e5	0.51	NO	1.00	10.272	34.17	1.000	195	100	0.700	
39	Total Tetra-Dioxin				1.00	10.272			0.500		0.0999	0.500
40	Total Penta-Dioxin				0.98	10.272			0.000		0.0000	0.500



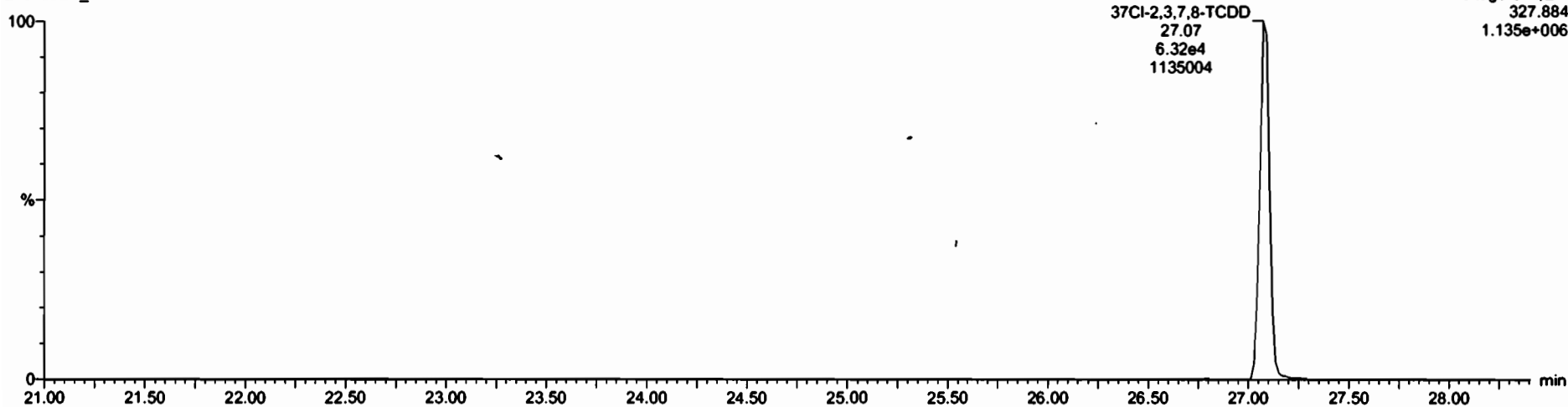
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Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312

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

210409D1\_14

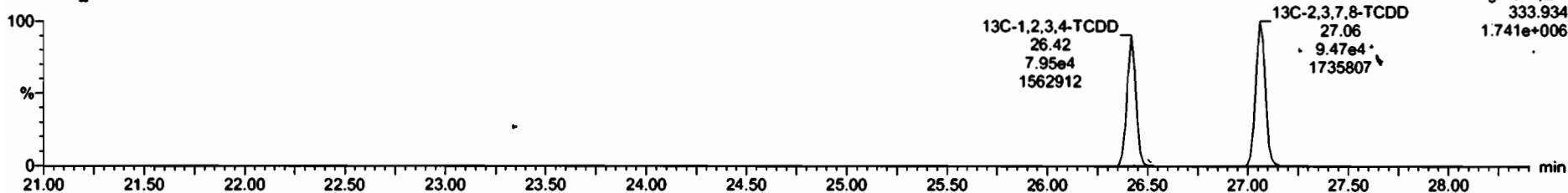


13C-1,2,3,4-TCDD

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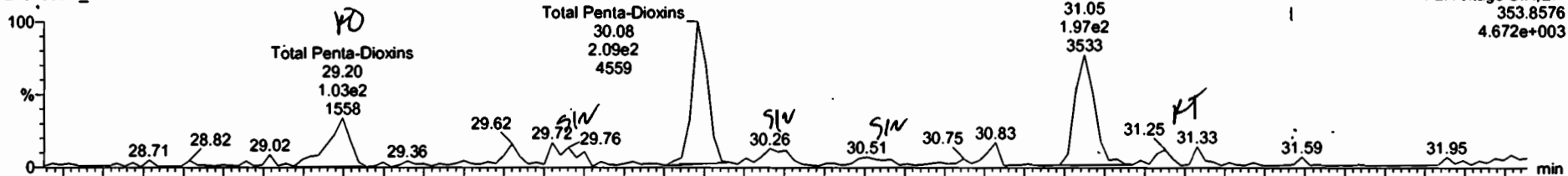
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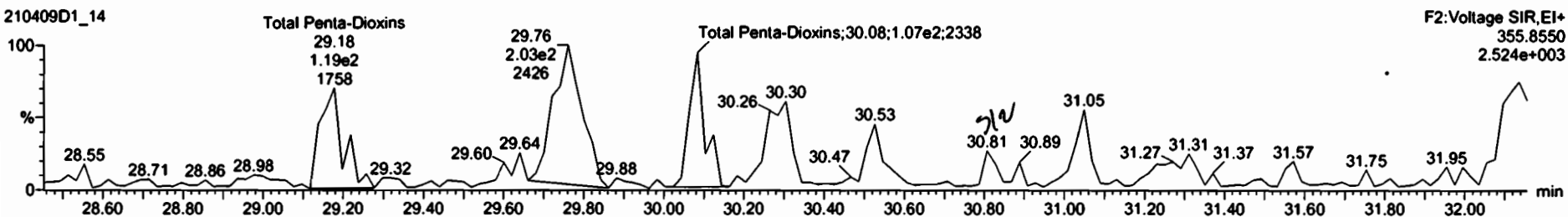
1,2,3,7,8-PeCDD

210409D1\_14



F2:Voltage SIR,EI+  
353.8576  
4.672e+003

210409D1\_14



F2:Voltage SIR,EI+  
355.8550  
2.524e+003

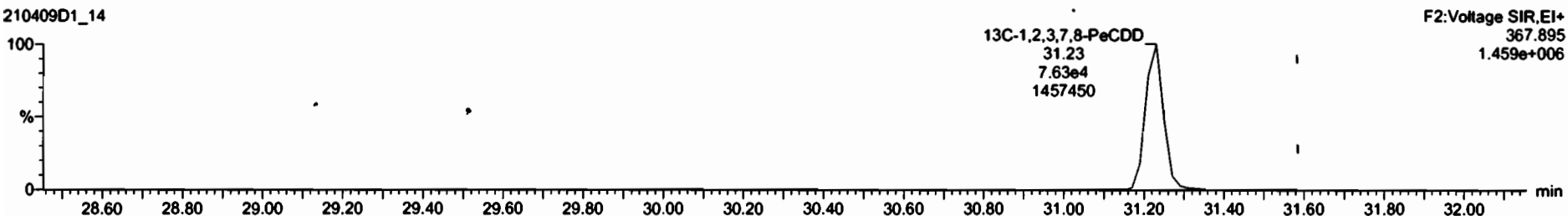
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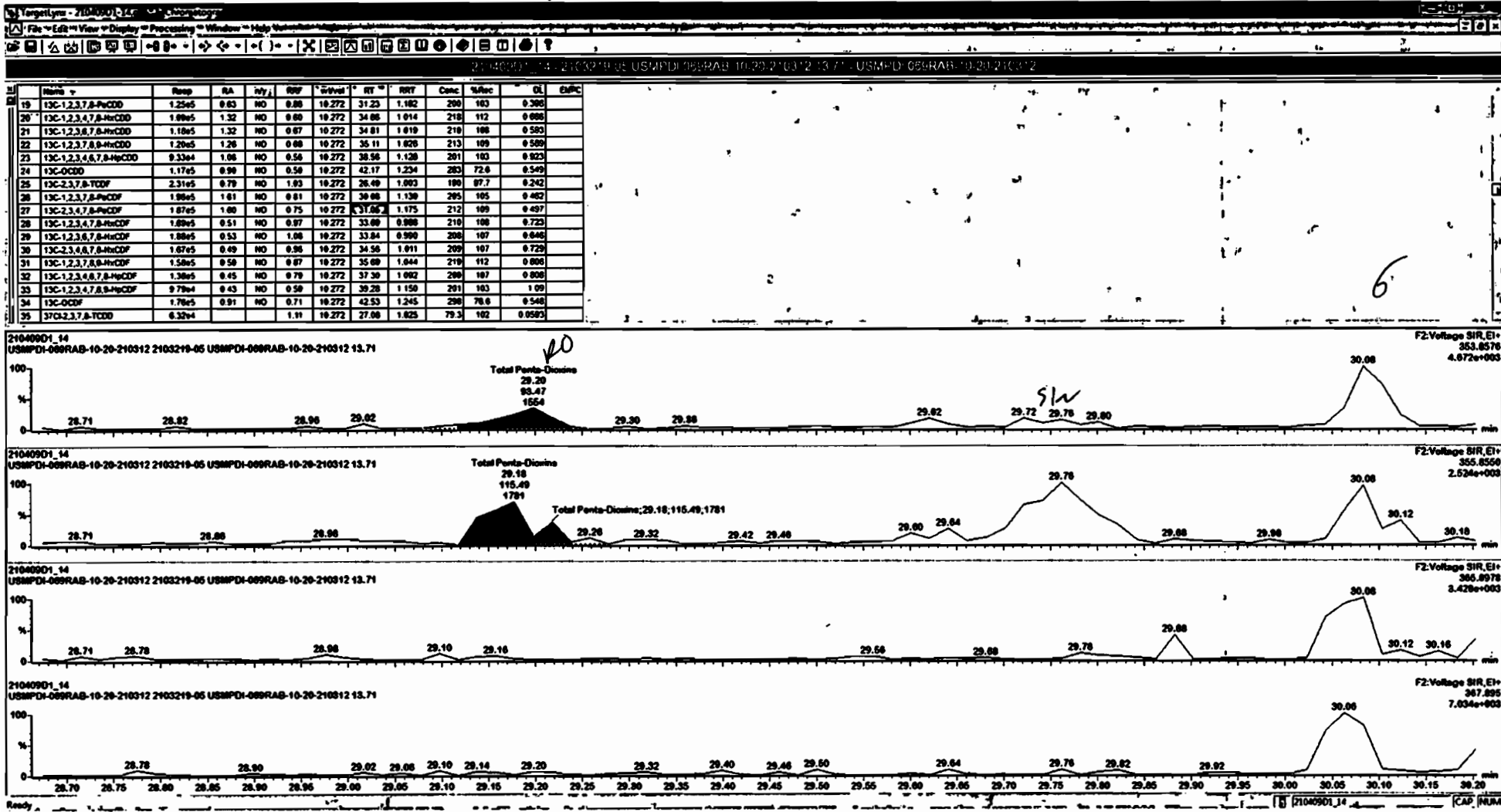


F2:Voltage SIR,EI+  
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9.953e+005

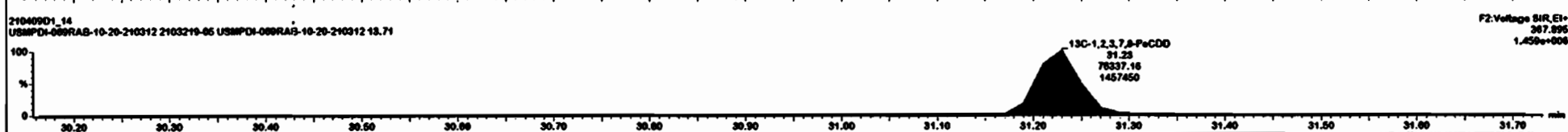
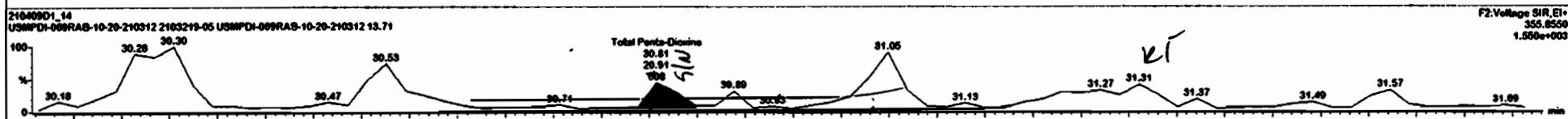
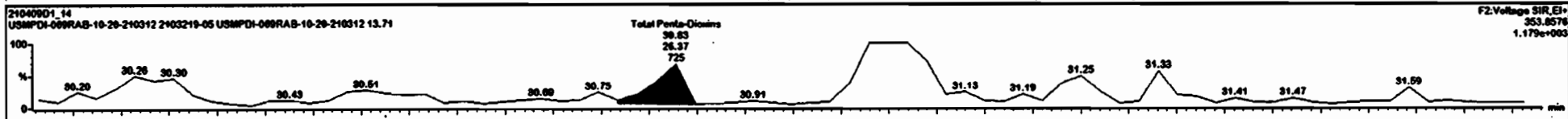
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F2:Voltage SIR,EI+  
367.895  
1.459e+006



#	Name	Resp	RA	ntf	off	uval	RT	RRT	Conc.	uSec	DL	EMPC
19	13C-1,2,3,7,8-PeCDD	1.25e5	0.63	NO	0.85	10.272	31.23	1.182	200	103	0.398	
20	13C-1,2,3,4,7,8-HxCDD	1.99e5	1.32	NO	0.80	10.272	34.68	1.814	218	112	0.898	
21	13C-1,2,3,6,7,8-HxCDD	1.18e5	1.32	NO	0.87	10.272	34.81	1.819	210	108	0.593	
22	13C-1,2,3,7,8,9-HxCDD	1.20e5	1.28	NO	0.86	10.272	35.11	1.828	213	109	0.589	
23	13C-1,2,3,4,6,7,8,9-HpCDD	9.33e4	1.06	NO	0.56	10.272	38.56	1.128	201	103	0.823	
24	13C-OCDD	1.17e5	0.90	NO	0.50	10.272	42.17	1.234	203	72.6	0.549	
25	13C-2,3,7,8-TCDF	2.31e5	0.70	NO	1.03	10.272	28.49	1.803	180	87.7	0.242	
26	13C-1,2,3,7,8-PeCDF	1.80e5	1.61	NO	0.81	10.272	30.08	1.130	205	105	0.482	
27	13C-2,3,4,7,8-PeCDF	1.87e5	1.08	NO	0.75	10.272	31.85	1.175	212	109	0.497	
28	13C-1,2,3,4,7,8-HxCDF	1.89e5	0.51	NO	0.97	10.272	33.60	0.988	218	108	0.723	
29	13C-1,2,3,6,7,8-HxCDF	1.88e5	0.53	NO	1.08	10.272	33.84	0.990	208	107	0.646	
30	13C-2,3,4,6,7,8-HxCDF	1.87e5	0.49	NO	0.98	10.272	34.56	1.011	209	107	0.729	
31	13C-1,2,3,7,8,9-HxCDF	1.58e5	0.58	NO	0.87	10.272	35.60	1.044	218	112	0.808	
32	13C-1,2,3,4,6,7,8,9-HpCDF	1.38e5	0.45	NO	0.79	10.272	37.30	1.082	208	107	0.808	
33	13C-1,2,3,4,7,8,9-HpCDF	9.79e4	0.43	NO	0.59	10.272	39.28	1.150	201	103	1.199	
34	13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	208	78.8	0.548	
35	3TC-2,3,7,8-TCDD	6.32e4			1.11	10.272	27.88	1.825	79.3	102	0.0593	



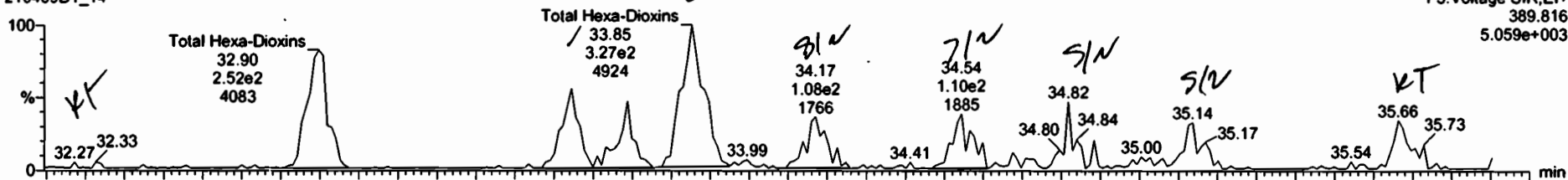
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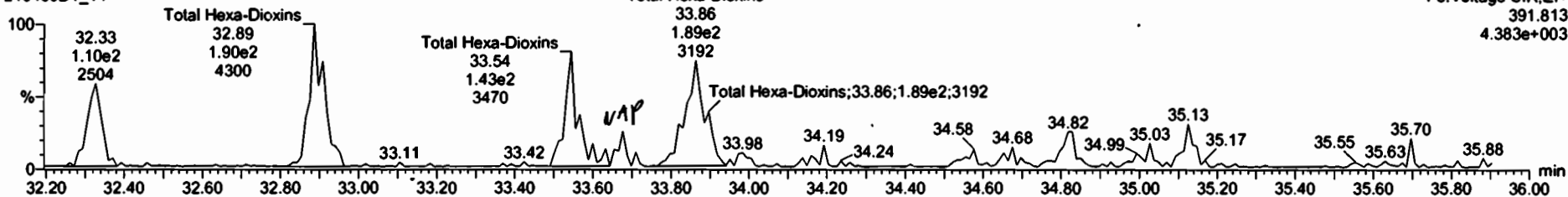
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1,2,3,4,7,8-HxCDD

210409D1\_14



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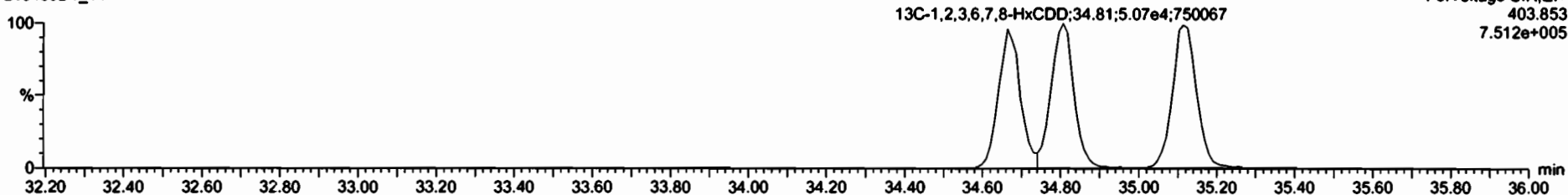


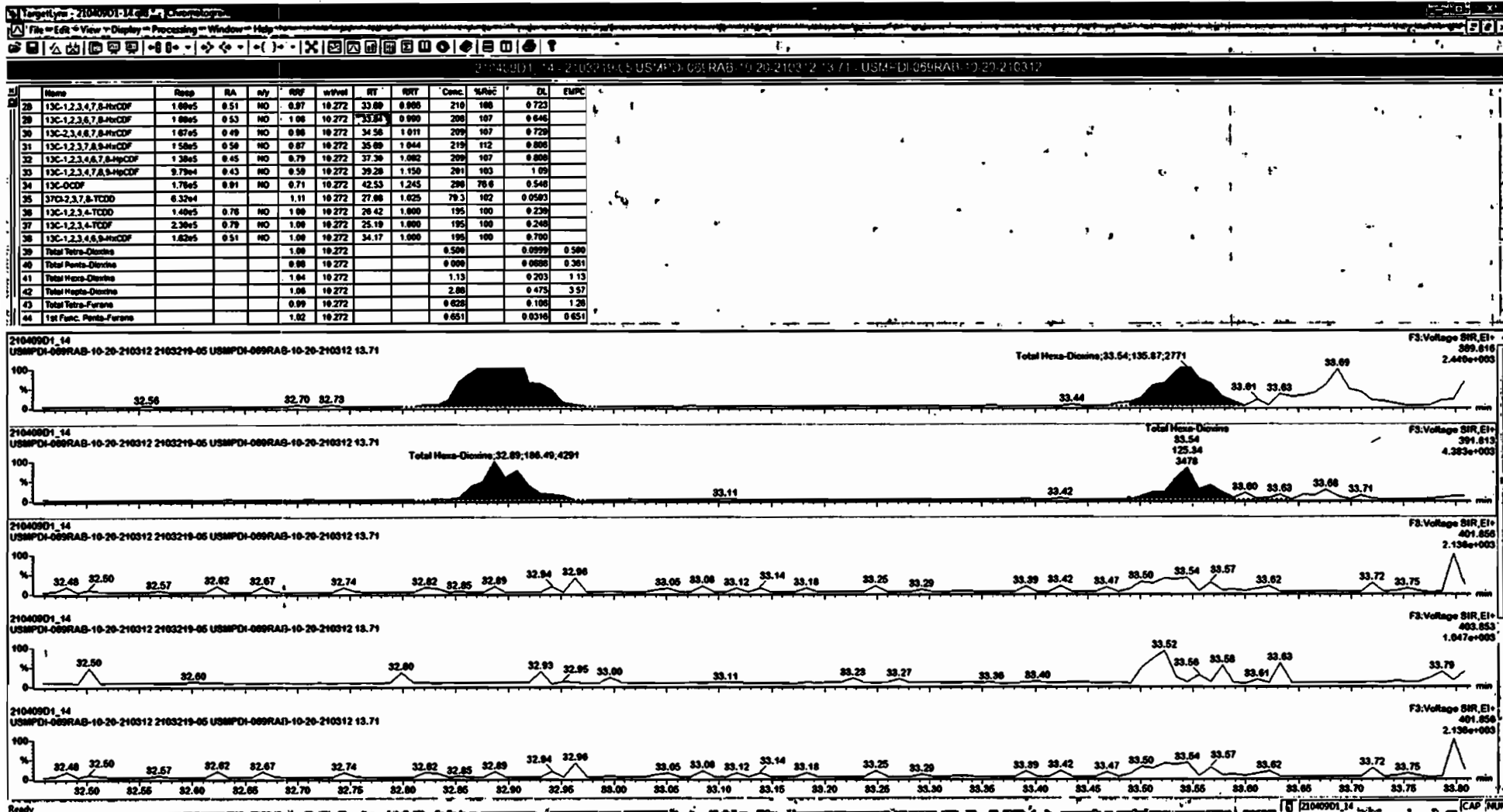
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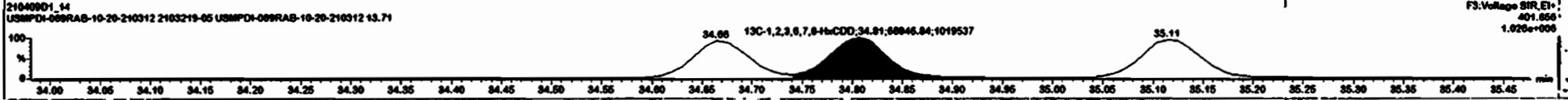
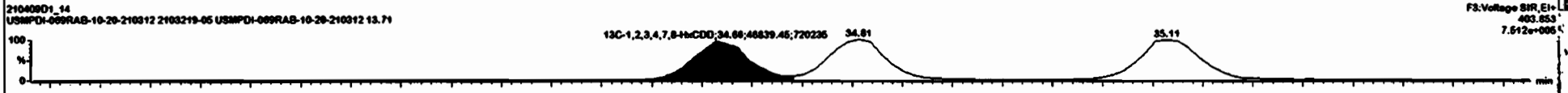
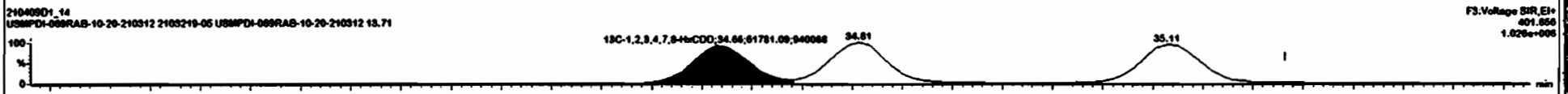
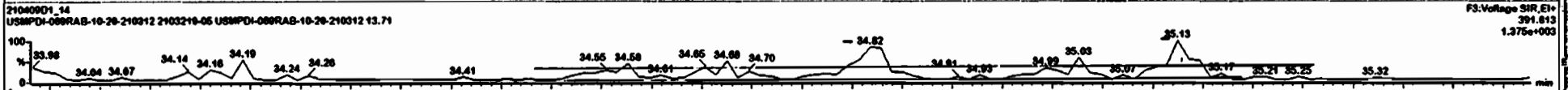
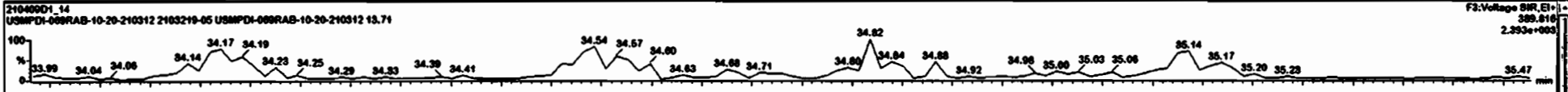
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#	Name	Comp	RA	nly	RRF	wtPct	RT	RRT	Conc	Area	s	DL	EMPC
28	13C-1,2,3,4,7,8-HxCDF	1.88e5	0.51	NO	0.97	10.272	33.69	0.988	219	166	0.723		
29	13C-1,2,3,6,7,8-HxCDF	1.88e5	0.53	NO	1.06	10.272	33.84	0.990	200	107	0.646		
30	13C-2,3,4,6,7,8-HxCDF	1.87e5	0.49	NO	0.98	10.272	34.58	1.011	200	107	0.728		
31	13C-1,2,3,7,8,9-HxCDF	1.58e5	0.50	NO	0.87	10.272	35.09	1.044	219	112	0.806		
32	13C-1,2,3,4,6,7,8-HpCDF	1.39e5	0.45	NO	0.79	10.272	37.30	1.992	209	107	0.808		
33	13C-1,2,3,4,7,8,9-HpCDF	9.79e4	0.43	NO	0.59	10.272	39.28	1.150	201	103	1.05		
34	13C-OCDF	1.70e5	0.91	NO	0.71	10.272	42.53	1.245	298	78.6	0.548		
35	37Cl-2,3,7,8-TCDD	0.32e4			1.11	10.272	27.06	1.025	79.3	182	0.6583		
36	13C-1,2,3,4-TCDD	1.40e5	0.78	NO	1.00	10.272	28.42	1.000	195	100	0.239		
37	13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.248		
38	13C-1,2,3,4,6,8-HxCDF	1.62e5	0.51	NO	1.00	10.272	34.17	1.000	185	100	0.700		
39	Total Tetra-Dioxins				1.00	10.272			0.500		0.0999	0.500	
40	Total Penta-Dioxins				0.98	10.272			0.600		0.0086	0.361	
41	Total Hexa-Dioxins				1.04	10.272			1.13		0.203	1.13	
42	Total Hepta-Dioxins				1.00	10.272			2.88		0.475	3.57	
43	Total Tetra-Furans				0.99	10.272			0.629		0.100	1.28	
44	Total Penta-Furans				1.02	10.272			0.651		0.0316	0.651	



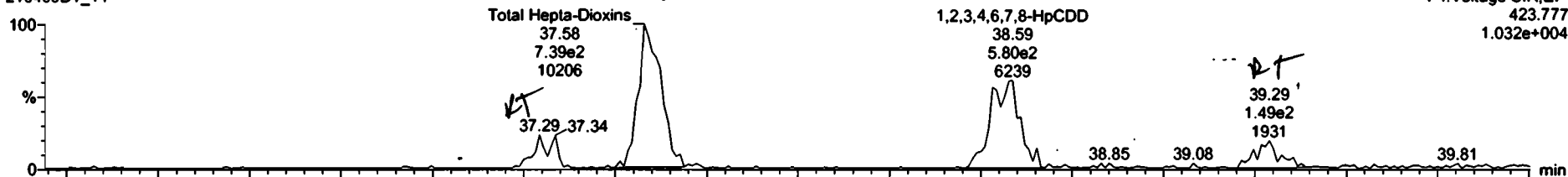
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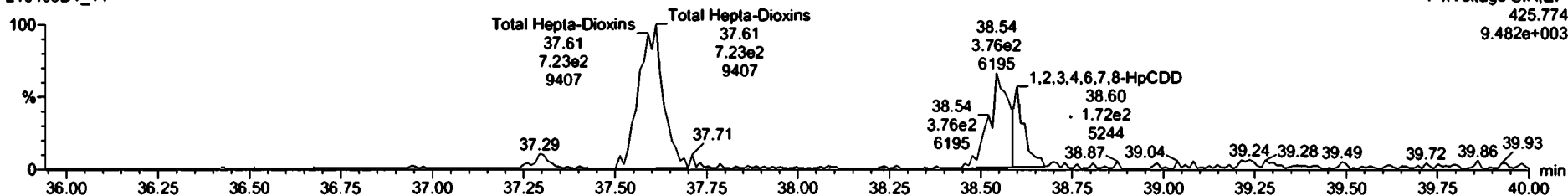
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1,2,3,4,6,7,8-HpCDD

210409D1\_14



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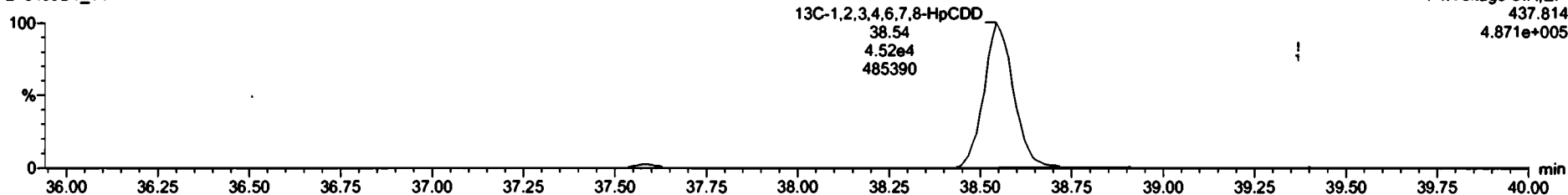


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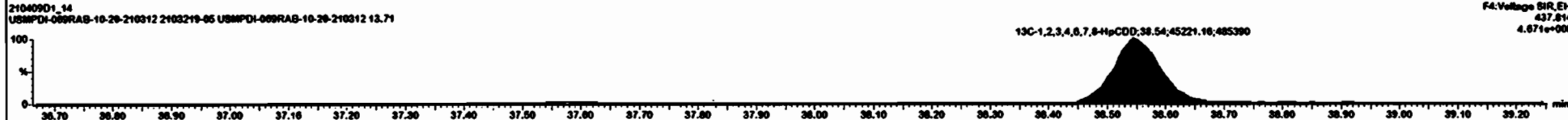


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21040901\_14 2103219-05 USMFDI-099RAB-10-20-210312 13.71 USMFDI-099RAB-10-20-210312

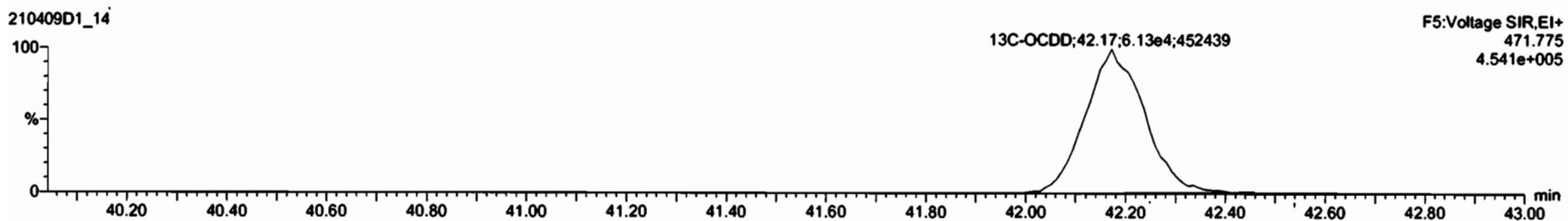
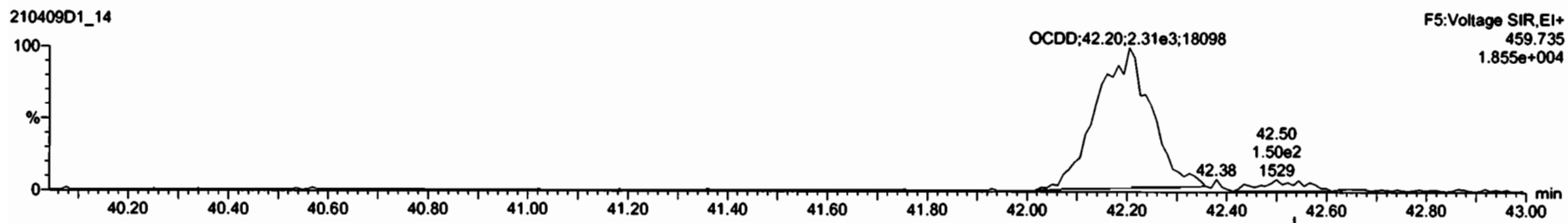
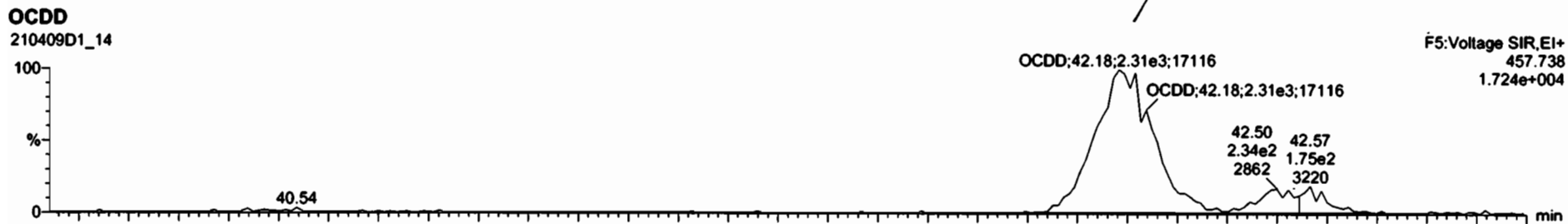
#	Name	Resp	RA	ely	RF	Conc	RT	RTT	Conc	%Rec	DL	CMPC
28	13C-1,2,3,4,7,8-HxCDF	1.88e5	0.51	NO	0.97	10.272	33.89	0.900	210	100	0.723	
29	13C-1,2,3,4,7,8-HxCDF	1.88e5	0.53	NO	1.08	10.272	33.84	0.900	200	107	0.646	
30	13C-1,2,3,4,7,8-HxCDF	1.67e5	0.49	NO	0.96	10.272	34.56	1.911	209	107	0.729	
31	13C-1,2,3,7,8,9-HxCDF	1.58e5	0.58	NO	0.87	10.272	35.89	1.644	219	112	0.806	
32	13C-1,2,3,4,6,7,8-HpCDF	1.38e5	0.45	NO	0.79	10.272	37.38	1.882	209	107	0.800	
33	13C-1,2,3,4,7,8,9-HpCDF	9.79e4	0.43	NO	0.59	10.272	39.28	1.150	201	103	1.09	
34	13C-OCDF	1.76e5	0.91	NO	0.71	10.272	42.53	1.245	290	70.6	0.540	
35	37Cl-2,3,7,8-TCDF	0.32e4		1.11		10.272	27.08	1.825	79.3	102	0.9503	
36	13C-1,2,3,4-TCDF	1.40e5	0.78	NO	1.00	10.272	28.42	1.800	195	100	0.230	
37	13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.800	195	100	0.248	
38	13C-1,2,3,4,6,8-HxCDF	1.62e5	0.51	NO	1.00	10.272	34.17	1.800	195	100	0.700	
39	Total Tetra-Dioxins				1.00	10.272			0.500		0.9999	0.500
40	Total Penta-Dioxins				0.08	10.272			0.000		0.0000	0.361
41	Total Hexa-Dioxins				1.04	10.272			1.13		0.203	1.13
42	Total Hepta-Dioxins				1.56	10.272			2.97		0.475	4.97
43	Total Tetra-Furans				0.99	10.272			0.639		0.100	1.20
44	1st Func. Penta-Furans				1.02	10.272			0.651		0.0310	0.651



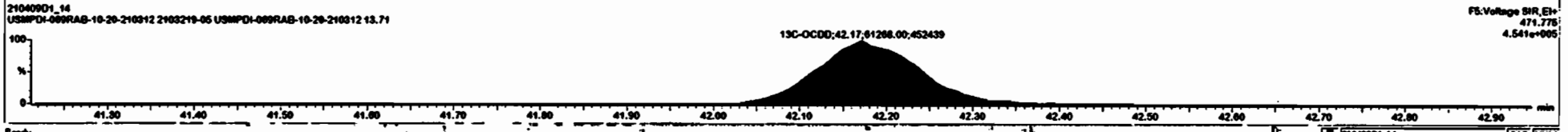
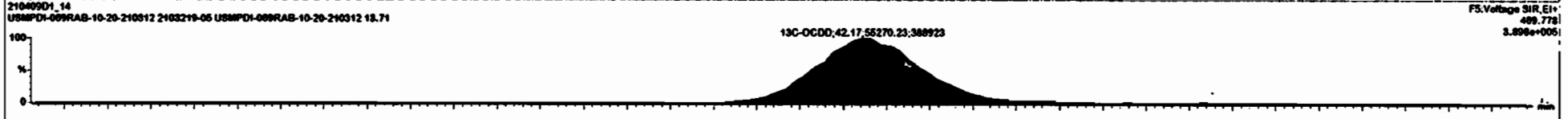
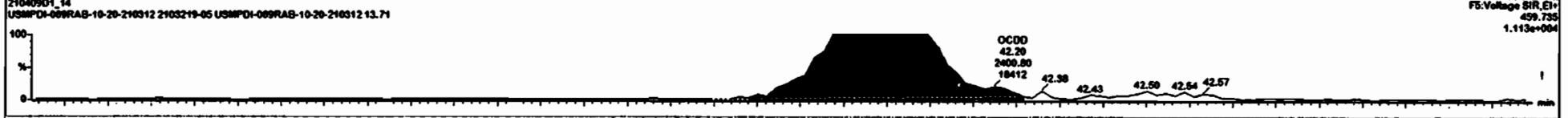
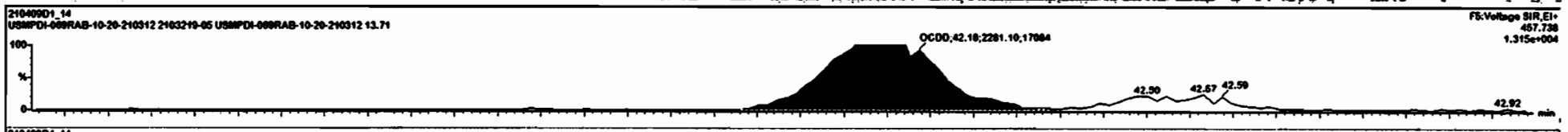
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312



#	Name	Resp	RA	ry	RP	wFW	RT	WRT	Conc	UAc	DL	ELPC
7	OCDD	4.88e3	0.95	NO	0.98	10.272	42.18	1.088	18.0		1.28	18.0
8	2,3,7,8-TCDF	3.58e2	0.71	NO	0.99	10.272	26.51	1.001	0.299		0.106	0.299
9	1,2,3,7,8-PeCDF	3.13e2	1.28	YES	1.82	10.272	30.10	1.001	0.305		0.0844	0.273
10	2,3,4,7,8-PeCDF	4.28e2	1.82	YES	1.17	10.272	31.07	1.001	0.372		0.0001	0.338
11	1,2,3,4,7,8-HxCDF	4.78e2	1.08	NO	1.14	10.272	33.79	1.000	0.476		0.135	0.476
12	1,2,3,6,7,8-HxCDF	2.21e2	1.08	NO	1.84	10.272	33.85	1.000	0.220		0.142	0.220
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.272					0.149	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.272					0.188	
15	1,2,3,4,6,7,8-HpCDF	8.88e2	0.91	NO	1.11	10.272	37.30	1.000	1.12		0.0908	1.12
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.272					0.144	
17	OCDF			NO	0.93	10.272					0.484	
18	13C-2,3,7,8-TCDD	1.67e5	0.77	NO	1.28	10.272	27.88	1.824	193	99.2	0.139	
19	13C-1,2,3,7,8-PeCDD	1.25e5	0.63	NO	0.88	10.272	31.23	1.182	200	103	0.388	
20	13C-1,2,3,4,7,8-HxCDD	1.99e5	1.32	NO	0.88	10.272	34.88	1.814	218	112	0.888	
21	13C-1,2,3,6,7,8-HxCDD	1.18e5	1.32	NO	0.87	10.272	34.81	1.819	218	108	0.583	
22	13C-1,2,3,7,8,9-HxCDD	1.28e5	1.28	NO	0.88	10.272	35.11	1.828	213	109	0.589	
23	13C-1,2,3,4,6,7,8-HpCDD	9.33e4	1.08	NO	0.56	10.272	38.56	1.128	281	183	0.823	



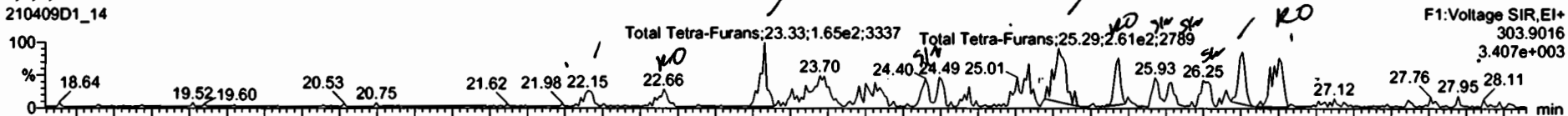
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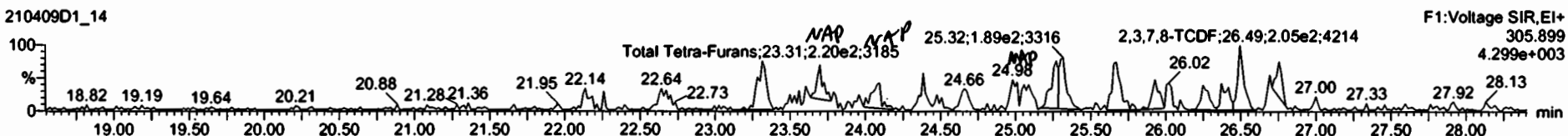
Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312

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

210409D1\_14

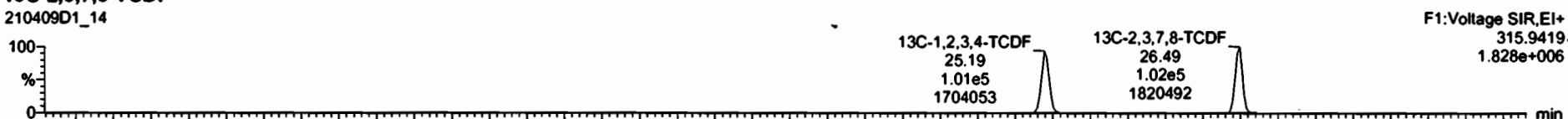


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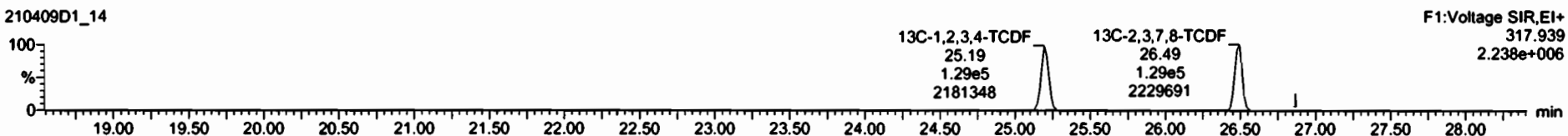


**13C-2,3,7,8-TCDF**

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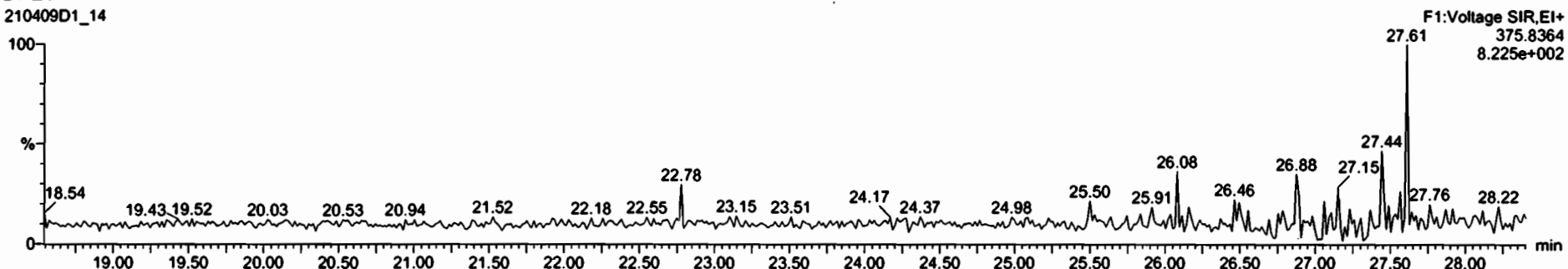


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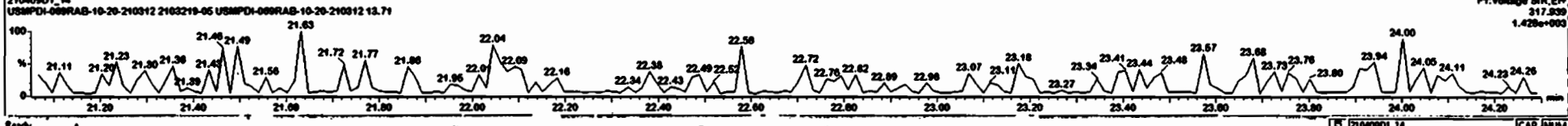
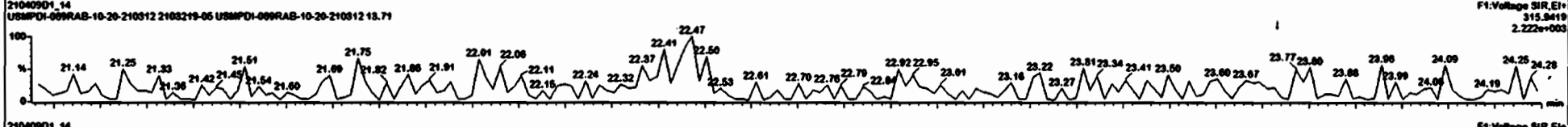
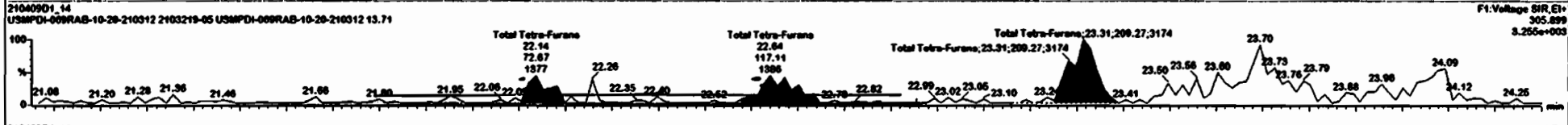
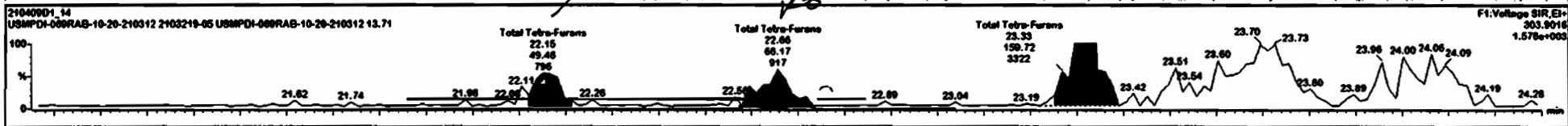


**DPE1**

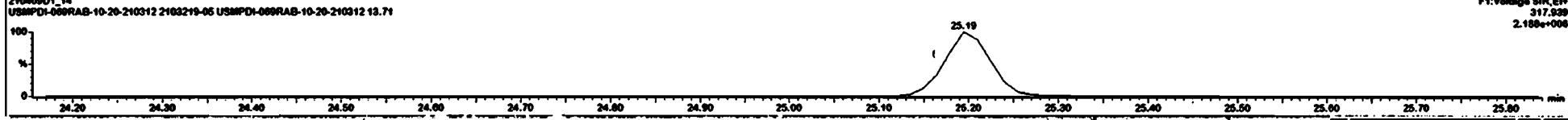
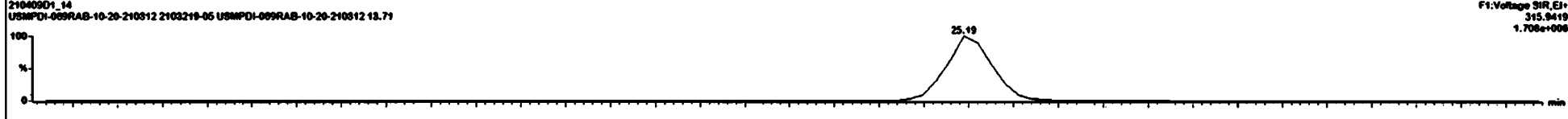
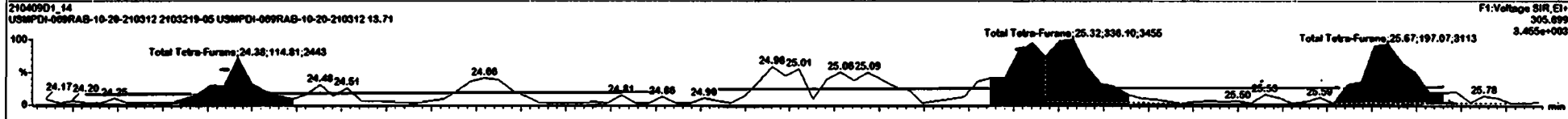
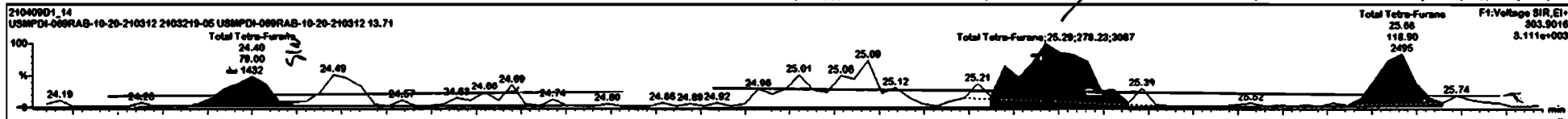
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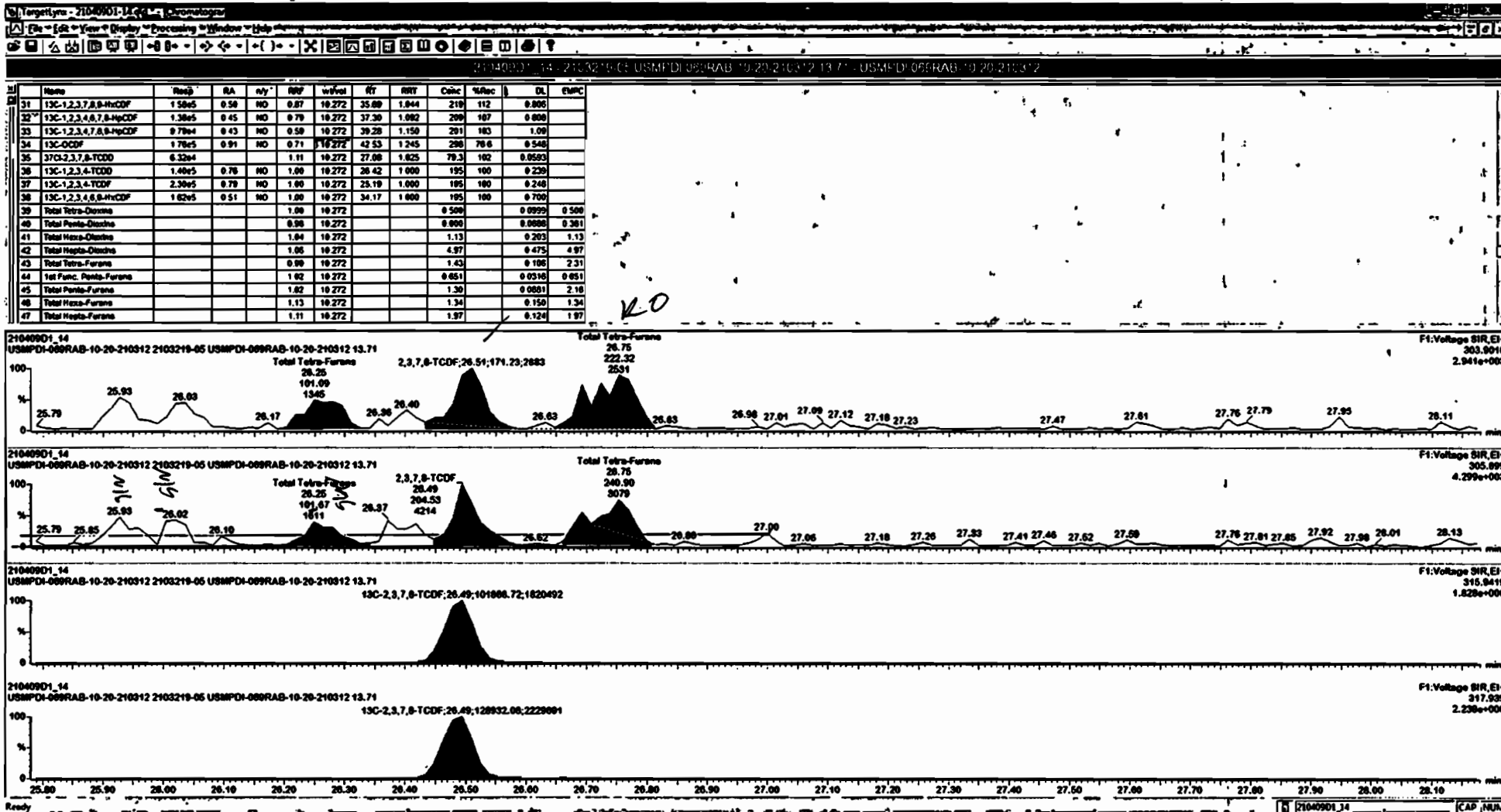
Name	Resp	RA	n/y	QSP	QSP1	RT	RRT	Conc.	%Rec	OL	EMPC
31 13C-1,2,3,4,6,8-HxCDF	1.58e5	0.50	NO	0.87	10.272	35.89	1.044	219	112	0.800	
32 13C-1,2,3,4,6,8-HxCDF	1.38e5	0.45	NO	0.79	10.272	37.30	1.082	209	107	0.800	
33 13C-1,2,3,4,7,8-HxCDF	0.79e4	0.43	NO	0.59	10.272	39.28	1.150	201	103	1.00	
34 13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	208	78.8	0.540	
35 37Cl3-2,3,7,8-TCDD	6.32e4			1.11	10.272	37.88	1.025	79.3	182	0.0593	
36 13C-1,2,3,4-TCDD	1.40e5	0.78	NO	1.00	10.272	38.42	1.000	195	100	0.230	
37 13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.248	
38 13C-1,2,3,4,6,8-HxCDF	1.82e5	0.51	NO	1.00	10.272	34.17	1.000	195	100	0.700	
39 Total Tetra-Dioxins				1.00	10.272			0.500		0.0959	0.500
40 Total Penta-Dioxins				0.96	10.272			0.000		0.0688	0.381
41 Total Hexa-Dioxins				1.04	10.272			1.13		0.203	1.13
42 Total Hepta-Dioxins				1.06	10.272			4.97		0.475	4.97
43 Total Tetra-Furans				0.99	10.272			0.984		0.100	2.87
44 1st Func. Penta-Furans				1.02	10.272			0.651		0.0316	0.651
45 Total Penta-Furans				1.02	10.272			1.30		0.0881	2.16
46 Total Hexa-Furans				1.13	10.272			1.34		0.150	1.34
47 Total Hepta-Furans				1.11	10.272			1.97		0.124	1.97



#	Name	Resp	BA	of	WDF	WDF	RT	RT	Conc	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.50e5	0.50	NO	0.87	10.272	35.89	1.044	219	112	0.800	
32	13C-1,2,3,4,6,7,8-HpCDF	1.30e5	0.45	NO	0.79	10.272	37.39	1.082	209	107	0.600	
33	13C-1,2,3,4,7,8,9-HpCDF	0.70e4	0.43	NO	0.50	10.272	39.28	1.150	201	163	1.00	
34	13C-OCDF	1.70e5	0.91	NO	0.71	10.272	42.53	1.245	296	76.6	0.540	
35	37Cl-2,3,7,8-TCDD	0.32e4			1.11	10.272	27.08	1.025	79.3	102	0.950	
36	13C-1,2,3,4-TCDD	1.40e5	0.78	NO	1.00	10.272	28.42	1.000	195	100	0.230	
37	13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.240	
38	13C-1,2,3,4,6,8,9-HxCDF	1.62e5	0.51	NO	1.00	10.272	34.17	1.000	195	100	0.700	
39	Total Tetra-Furans				1.00	10.272			0.500		0.0999	0.500
40	Total Penta-Dioxins				0.90	10.272			0.000		0.0090	0.361
41	Total Hexa-Dioxins				1.04	10.272			1.13		0.203	1.13
42	Total Hepta-Dioxins				1.08	10.272			4.97		0.475	4.97
43	Total Tetra-Furans				0.30	10.272			1.43		0.106	2.31
44	1st Func. Penta-Furans				1.82	10.272			0.651		0.0310	0.651
45	Total Penta-Furans				1.82	10.272			1.30		0.0681	2.10
46	Total Hexa-Furans				1.13	10.272			1.34		0.150	1.34
47	Total Hepta-Furans				1.11	10.272			1.97		0.124	1.97







Dataset: Untitled

Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time  
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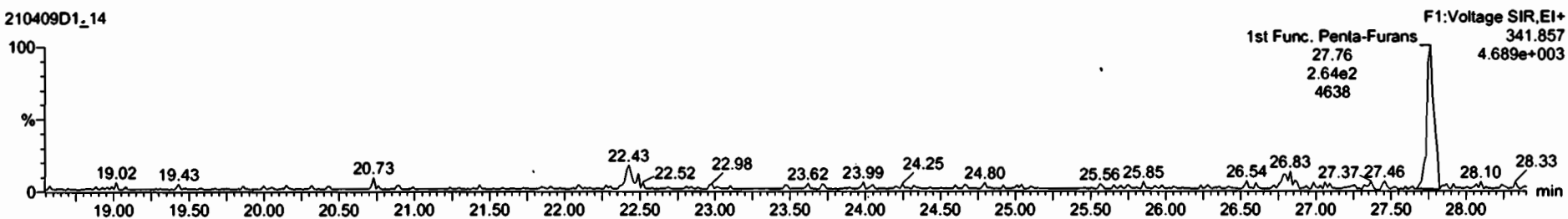
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1st Func. Penta-Furans

210409D1\_14

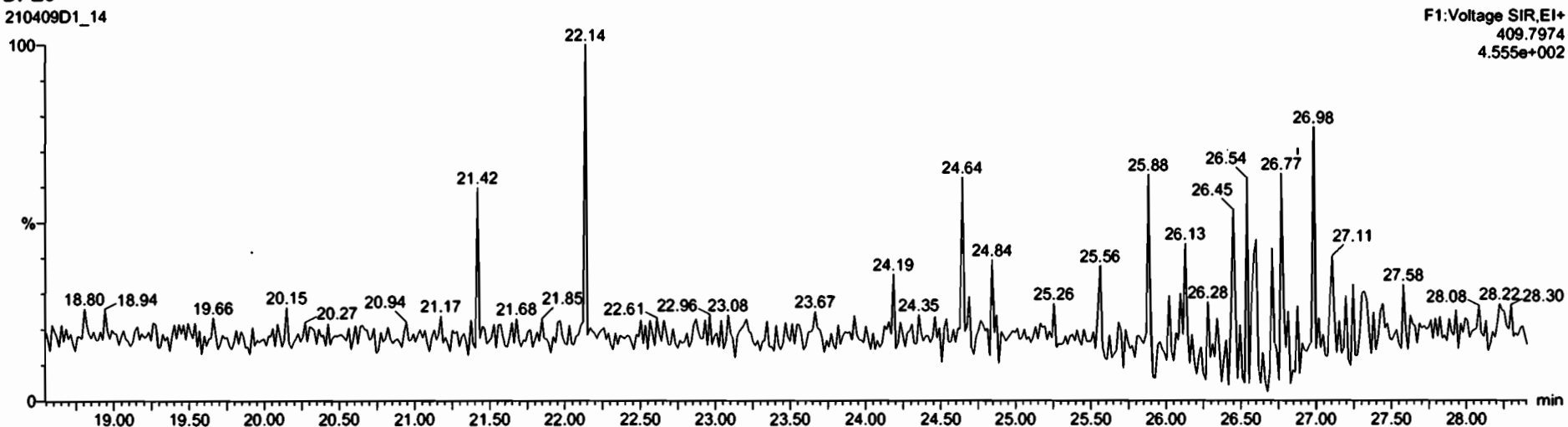


210409D1\_14



DPE6

210409D1\_14



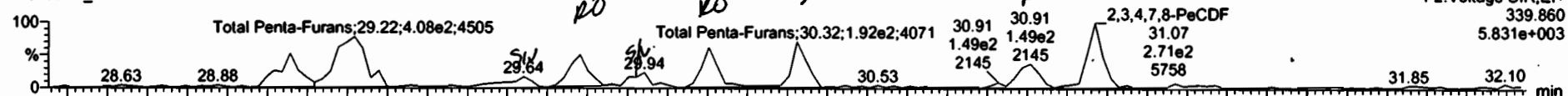
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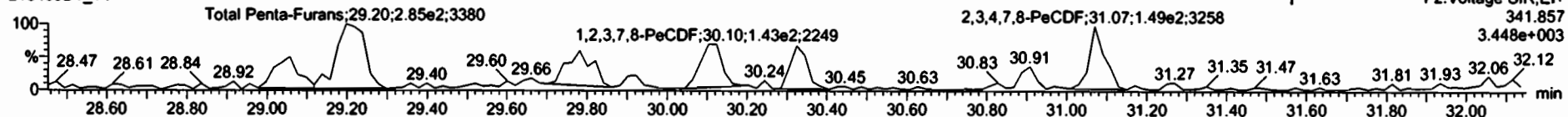
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1,2,3,7,8-PeCDF

210409D1\_14



210409D1\_14

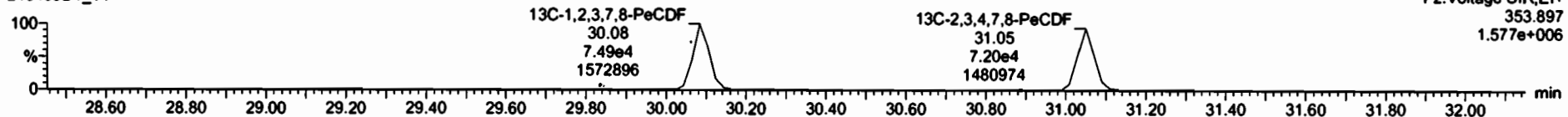


13C-1,2,3,7,8-PeCDF

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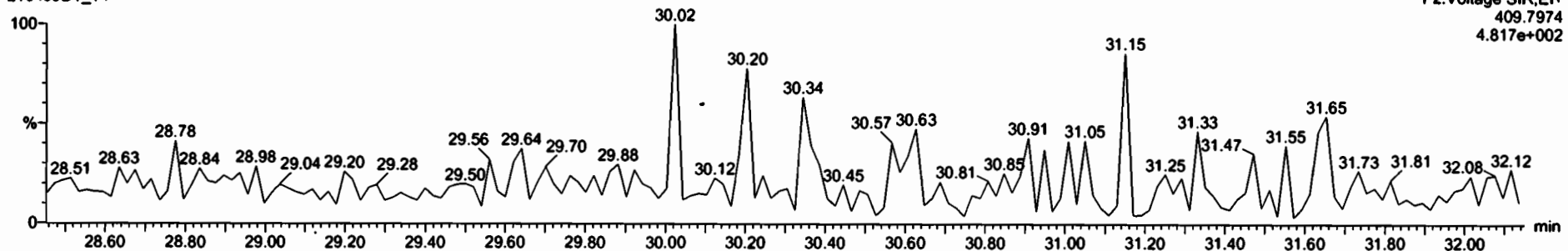


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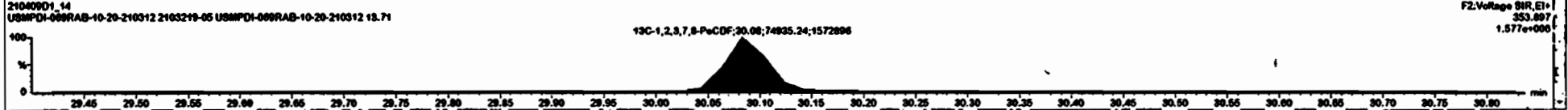
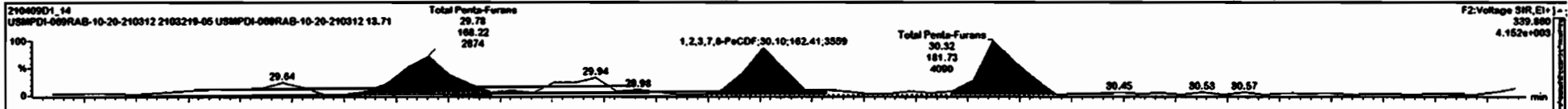
DPE2

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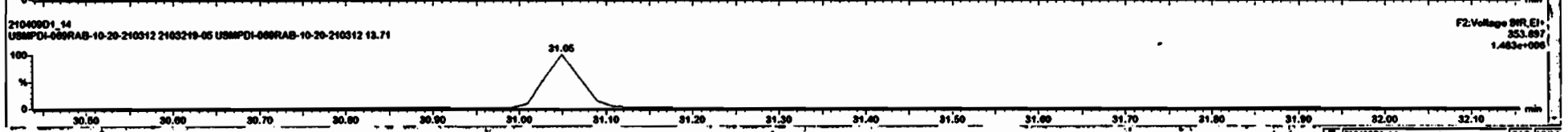
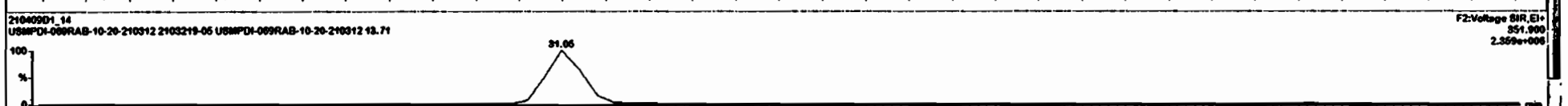
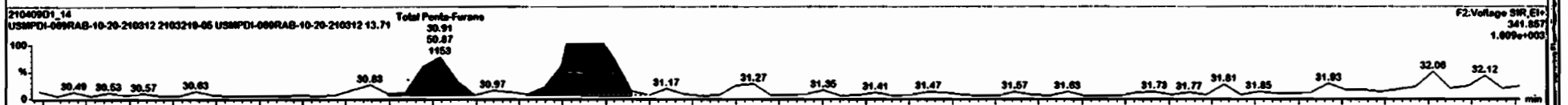
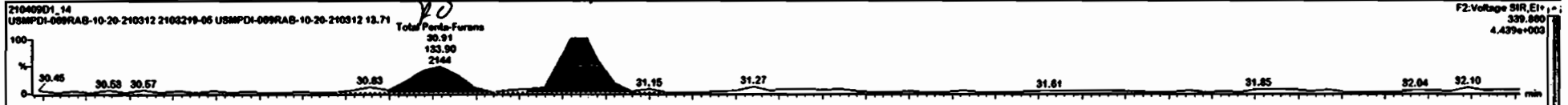


21040901\_14 - 2103219-05 USMFDI-089RAB-10-20-210312 13.71 USMFDI-089RAB-10-20-210312

Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc.	%Rec	S	DL	EMPC
31	13C-1,2,3,7,8-HxCDF	1.58e5	0.50	NO	0.87	10.272	35.89	1.844	219	112	0.806	
32	13C-1,2,3,4,6,7,8-HpCDF	1.38e5	0.45	NO	0.79	10.272	37.30	1.082	209	107	0.806	
33	13C-1,2,3,4,7,8-HpCDF	8.79e4	0.43	NO	0.59	10.272	39.28	1.150	291	103	1.00	
34	13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	298	78.6	0.545	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.272	27.88	1.625	79.3	182	0.0593	
38	13C-1,2,3,4-TCDD	1.40e5	0.78	NO	1.00	10.272	28.42	1.000	195	108	0.259	
37	13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	180	0.248	
38	13C-1,2,3,4,6,8-HxCDF	1.82e5	0.51	NO	1.00	10.272	34.17	1.000	195	180	0.700	
39	Total Tetra-Dioxins				1.00	10.272		0.500		0.8999	0.500	
40	Total Penta-Dioxins				0.99	10.272		0.800		0.8688	0.381	
41	Total Hexa-Dioxins				1.84	10.272		1.15		0.203	1.13	
42	Total Hepta-Dioxins				1.06	10.272		4.97		0.475	4.97	
43	Total Tetra-Furans				0.99	10.272		1.43		0.106	2.31	
44	1st Func. Penta-Furans				1.82	10.272		0.651		0.0318	0.651	
45	Total Penta-Furans				1.82	10.272		1.38		0.0881	2.17	
46	Total Hexa-Furans				1.13	10.272		1.34		0.150	1.34	
47	Total Hepta-Furans				1.11	10.272		1.97		0.124	1.97	
48	PFK1											
49	PFK2											
50	PFK3											



#	Name	Resp	RA	dy	RRF	WVVAL	RT	RRT	Conc.	%Rec	DL	EMPC
23	13C-1,2,3,4,6,7,8-HpCDD	0.33e4	1.08	NO	0.50	10.272	30.56	1.128	201	100	0.023	
24	13C-OCDD	1.17e5	0.90	NO	0.50	10.272	42.17	1.234	283	72.6	0.549	
25	13C-2,3,7,8-TCDF	2.31e5	0.79	NO	1.03	10.272	26.49	1.003	190	97.7	0.242	
26	13C-1,2,3,7,8-PeCDF	1.98e5	1.01	NO	0.81	10.272	30.08	1.139	205	105	0.482	
27	13C-2,3,4,7,8-PeCDF	1.87e5	1.08	NO	0.75	10.272	31.05	1.175	212	109	0.497	
28	13C-1,2,3,4,7,8-HxCDF	1.09e5	0.51	NO	0.97	10.272	33.09	0.968	210	108	0.723	
29	13C-1,2,3,6,7,8-HxCDF	1.08e5	0.53	NO	1.00	10.272	33.04	0.990	208	107	0.646	
30	13C-2,3,4,6,7,8-HxCDF	1.67e5	0.49	NO	0.90	10.272	34.58	1.011	209	107	0.720	
31	13C-1,2,3,7,8,9-HxCDF	1.50e5	0.59	NO	0.87	10.272	35.09	1.044	219	112	0.808	
32	13C-1,2,3,4,6,7,8-HpCDF	1.30e5	0.45	NO	0.79	10.272	37.39	1.082	209	107	0.800	
33	13C-1,2,3,4,7,8,9-HpCDF	9.79e4	0.43	NO	0.58	10.272	39.28	1.150	201	103	1.09	
34	13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	290	76.6	0.540	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.272	27.06	1.025	79.3	162	0.0593	
36	13C-1,2,3,4-TCDD	1.40e5	0.76	NO	1.00	10.272	26.42	1.000	195	100	0.230	
37	13C-1,2,3,6-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.246	
38	13C-1,2,3,4,6,8,9-HxCDF	1.82e5	0.51	NO	1.00	10.272	34.17	1.000	195	100	0.700	
39	Total Tetra-Dioxins				1.00	10.272			0.500		0.0999	0.500
40	Total Penta-Dioxins				0.95	10.272			0.000		0.0600	0.361
41	Total Hexa-Dioxins				1.04	10.272			1.13		0.203	1.13
42	Total Hepta-Dioxins				1.08	10.272			4.97		0.475	4.97



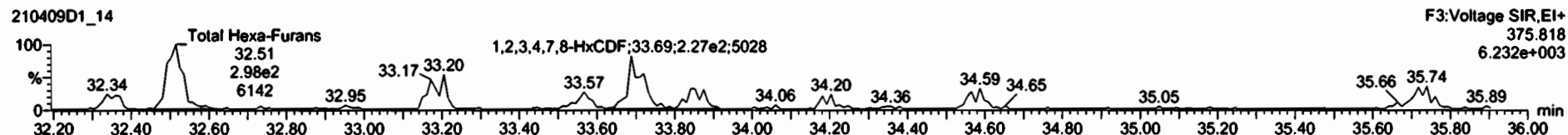
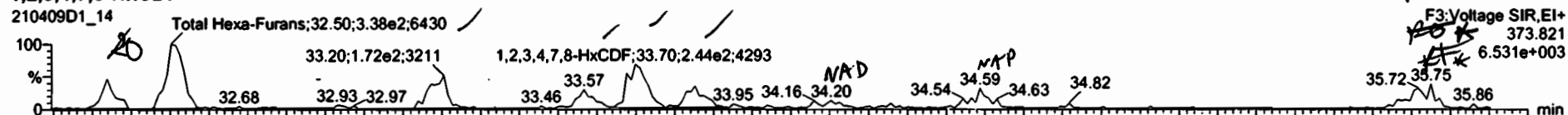
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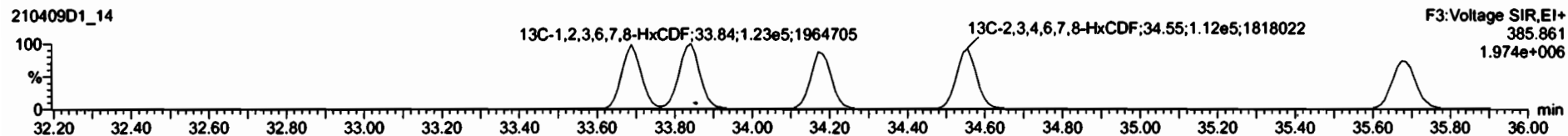
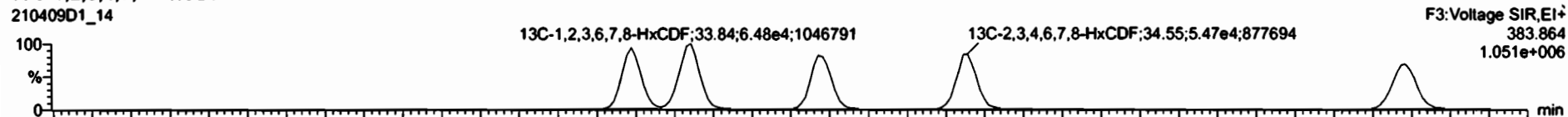
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*5/20/21*

Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312

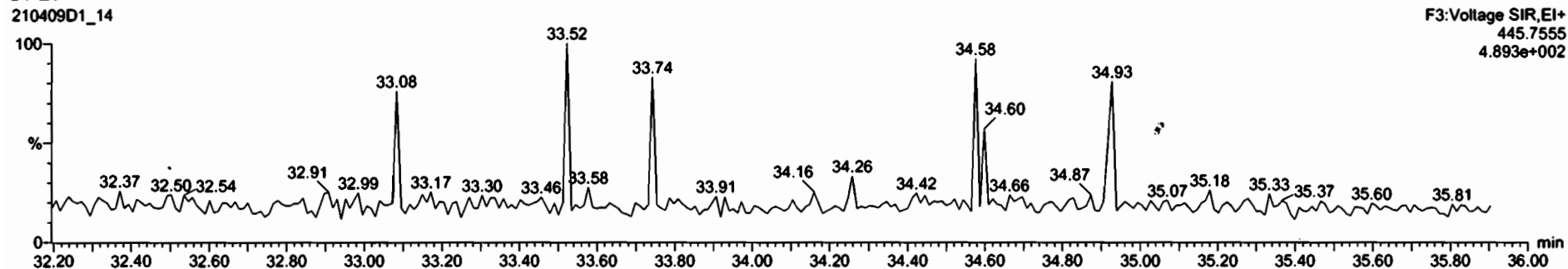
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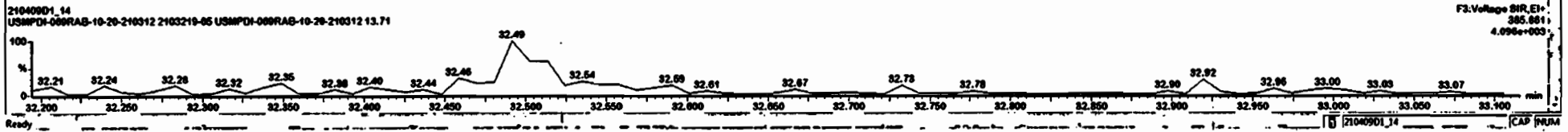
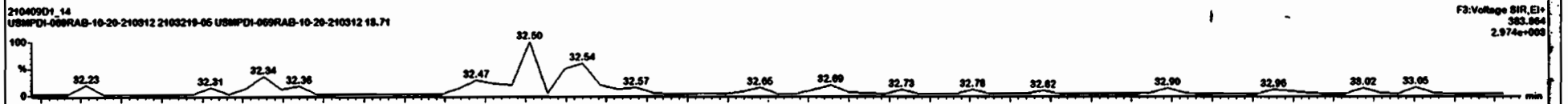
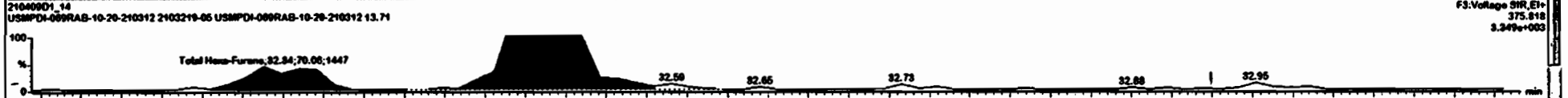
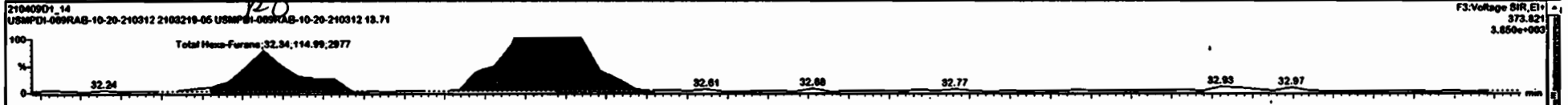
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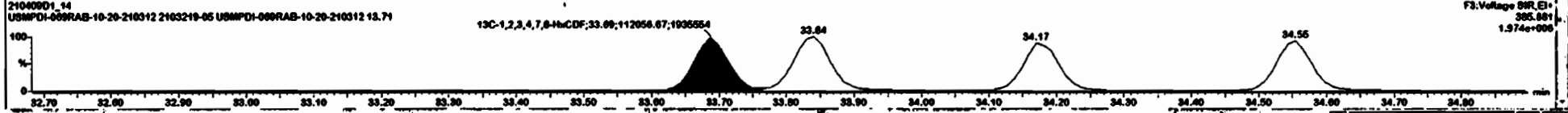
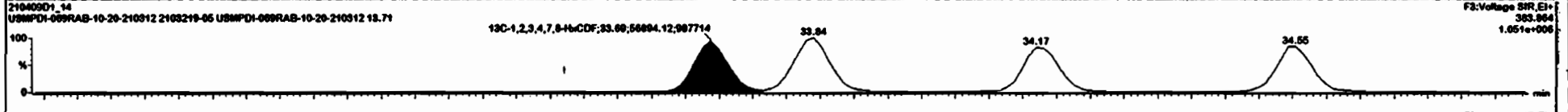
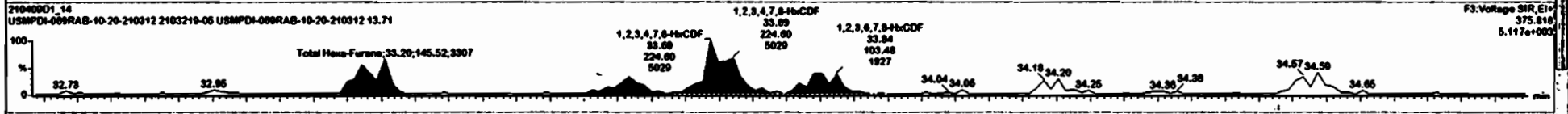
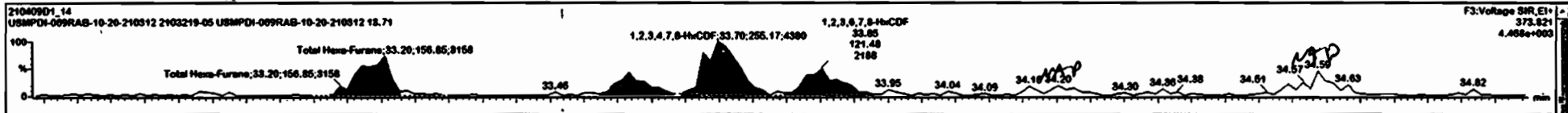
DPE3



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30	13C-2,3,4,6,7,8-HxCDF	1.87e5	0.49	NO	0.86	10.272	34.56	1.011	209	107	0.720	
31	13C-1,2,3,7,8-HxCDF	1.58e5	0.56	NO	0.87	10.272	35.89	1.044	219	112	0.806	
32	13C-1,2,3,4,6,7,8-HxCDF	1.38e5	0.45	NO	0.79	10.272	37.30	1.092	209	107	0.800	
33	13C-1,2,3,4,7,8-HxCDF	9.79e4	0.43	NO	0.59	10.272	38.28	1.150	201	103	1.09	
34	13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	208	76.6	0.548	
35	37Cl3,3,7,8-TCDF	6.32e4			1.11	10.272	27.88	1.025	79.3	902	0.0583	
36	13C-1,2,3,4-TCDF	1.48e5	0.76	NO	1.00	10.272	26.42	1.000	195	100	0.229	
37	13C-1,2,3,6-TCDF	2.38e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.248	
38	13C-1,2,3,4,8,9-HxCDF	1.62e5	0.51	NO	1.00	10.272	34.17	1.000	195	100	0.700	
39	Total Tetra-Dioxins				1.00	10.272			6.500		0.0999	0.500
40	Total Penta-Dioxins				0.96	10.272			0.900		0.0680	0.351
41	Total Hexa-Dioxins				1.04	10.272			1.13		0.203	1.13
42	Total Hepta-Dioxins				1.06	10.272			4.97		0.475	4.97
43	Total Tetra-Furans				0.89	10.272			1.43		0.108	2.31
44	1st Func. Penta-Furans				1.02	10.272			0.651		0.0316	0.651
45	Total Penta-Furans				1.02	10.272			1.06		0.0081	2.32
46	Total Hexa-Furans				1.13	10.272			1.81		0.150	1.97
47	Total Hepta-Furans				1.11	10.272			1.92		0.124	1.82
48	PFK1											
49	PFK2											



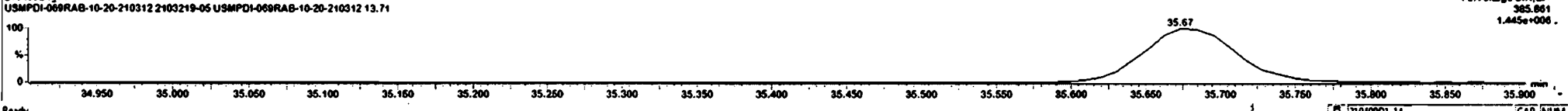
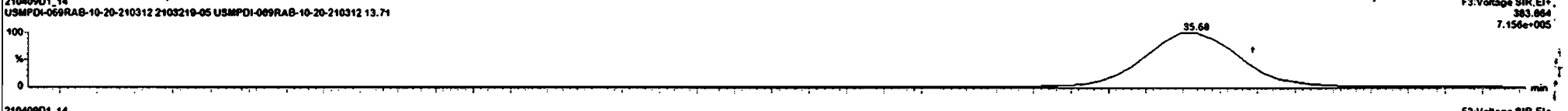
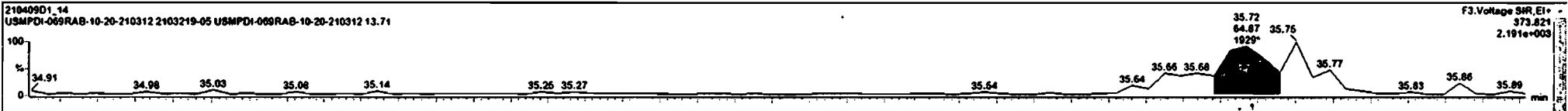
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30	13C-2,3,4,6,7,8-HxCDF	1.67e5	0.49	NO	0.89	10.272	34.58	1.011	209	107	0.729	
31	13C-1,2,3,7,8-HxCDF	1.58e5	0.50	NO	0.87	10.272	35.09	1.044	219	112	0.800	
32	13C-1,2,3,4,6,7,8-HpCDF	1.39e5	0.45	NO	0.79	10.272	37.30	1.092	269	107	0.800	
33	13C-1,2,3,4,7,8-HpCDF	9.79e4	0.43	NO	0.59	10.272	39.28	1.150	201	103	1.09	
34	13C-OCDF	1.78e5	0.91	NO	0.71	10.272	42.53	1.245	290	76.6	0.548	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.272	27.86	1.025	79.3	102	0.0593	
36	13C-1,2,3,4-TCDD	1.40e5	0.76	NO	1.00	10.272	26.42	1.000	195	100	0.230	
37	13C-1,2,3,4-TCDF	2.30e5	0.79	NO	1.00	10.272	25.19	1.000	195	100	0.248	
38	13C-1,2,3,4,6,8-HxCDF	1.62e5	0.51	NO	1.00	10.272	34.17	1.000	195	100	0.700	
39	Total Tetra-Dioxine				1.00	10.272			0.509	0.0099	0.500	
40	Total Penta-Dioxine				0.90	10.272			0.000	0.0000	0.381	
41	Total Hexa-Dioxine				1.04	10.272			1.13	0.203	1.13	
42	Total Hepta-Dioxine				1.00	10.272			4.97	0.475	4.97	
43	Total Tetra-Furane				0.99	10.272			1.43	0.100	2.31	
44	Total Penta-Furane				1.82	10.272			0.651	0.0310	0.651	
45	Total Hexa-Furane				1.82	10.272			1.00	0.0091	2.32	
46	Total Hepta-Furane				1.13	10.272			1.81	0.150	1.97	
47	Total Octa-Furane				1.11	10.272			1.82	0.124	1.82	
48	PFK1											
49	PFK2											





Name	Conc.	DL	%Rec	EMPC	Abs.Resp	RRF	RT	#	IS#	RA	Y/N	RRT	Acq Date	Acq Time	1 <sup>st</sup> Chr Name	C	Sample Text	Factor1	SVI	Col File	
33 13C-1,2,3,4,7,8,9-HxCDF	201.645	1.09	103.2		9.787e4	0.596	39.26	33	38	0.429	NO	1.150	09-Apr-21	12:56:00	1524.253	2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
34 13C-OCDF	258.372	0.548	78.8		1.753e5	0.711	42.53	34	38	6.907	NO	1.245	09-Apr-21	12:56:00	735.213	2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
35 37Cl-2,3,7,8-TCDD	75.3066	0.8593	101.2		6.318e4	1.107	27.08	35	36			1.025	09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
36 13C-1,2,3,4-TCDD	164.711	0.239	100.0		1.401e5	1.000	26.42	36	36	0.782	NO	1.030	09-Apr-21	12:56:00	465.117	2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
37 13C-1,2,3,4-TCDF	164.711	0.248	100.0		2.303e5	1.000	25.19	37	37	0.788	NO	1.030	09-Apr-21	12:56:00	783.311	2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
38 13C-1,2,3,4,6,9-HxCDF	184.711	0.700	100.0		1.618e5	1.000	24.17	38	38	0.506	NO	1.030	09-Apr-21	12:56:00	1786.403	2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
39 Total Tetra-Dioxins	0.377422	0.0999		0.377000		0.993		39					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
40 Total Penta-Dioxins	0.000000	0.0003		0.336000		0.991		40					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
41 Total Hexa-Dioxins	1.13284	0.202		1.13300		1.040		41					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
42 Total Hepta-Dioxins	4.98844	0.475		4.98800		1.090		42					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
43 Total Tetra-Furans	1.76289	0.106		1.98900		0.985		43					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
44 1st Func. Penta-Furans	0.650802	0.0316		0.651000		1.022		44					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
45 Total Penta-Furans	1.65816	0.0881		2.32300		1.022		45					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
46 Total Hexa-Furans	1.78636	0.150		1.98100		1.128		46					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
47 Total Hepta-Furans	1.91764	0.124		1.91800		1.115		47					09-Apr-21	12:56:00		2103219-05	USMPDI-069RAB	0.0	10.3	ZB_Di...	
48 PFK1								48													
49 PFK2								49													
50 PFK3								50													
51 PFK4								51													
52 PFK5								52													

RT  
KO



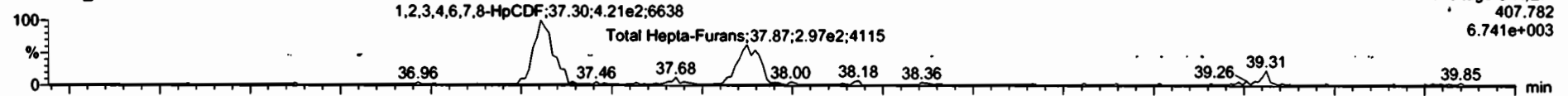
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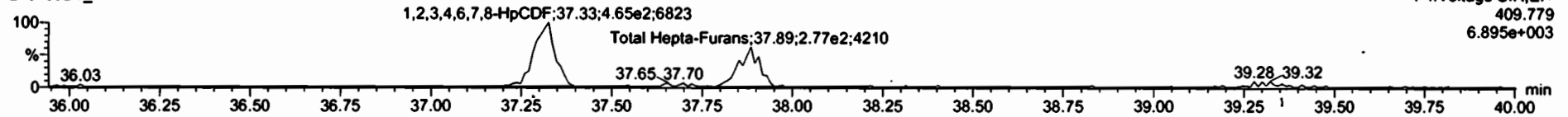
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1,2,3,4,6,7,8-HpCDF

210409D1\_14

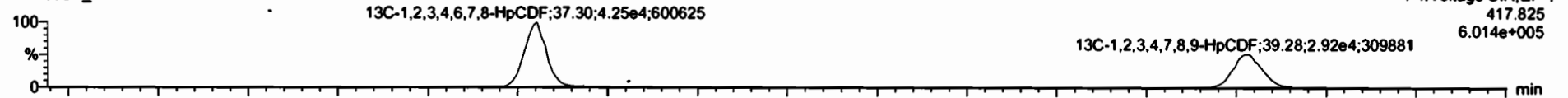


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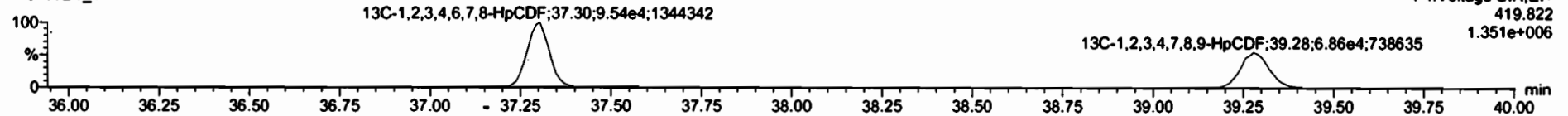


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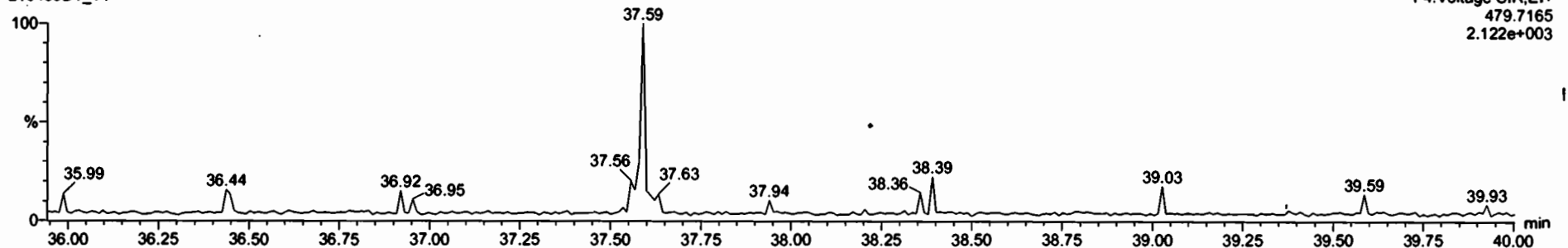


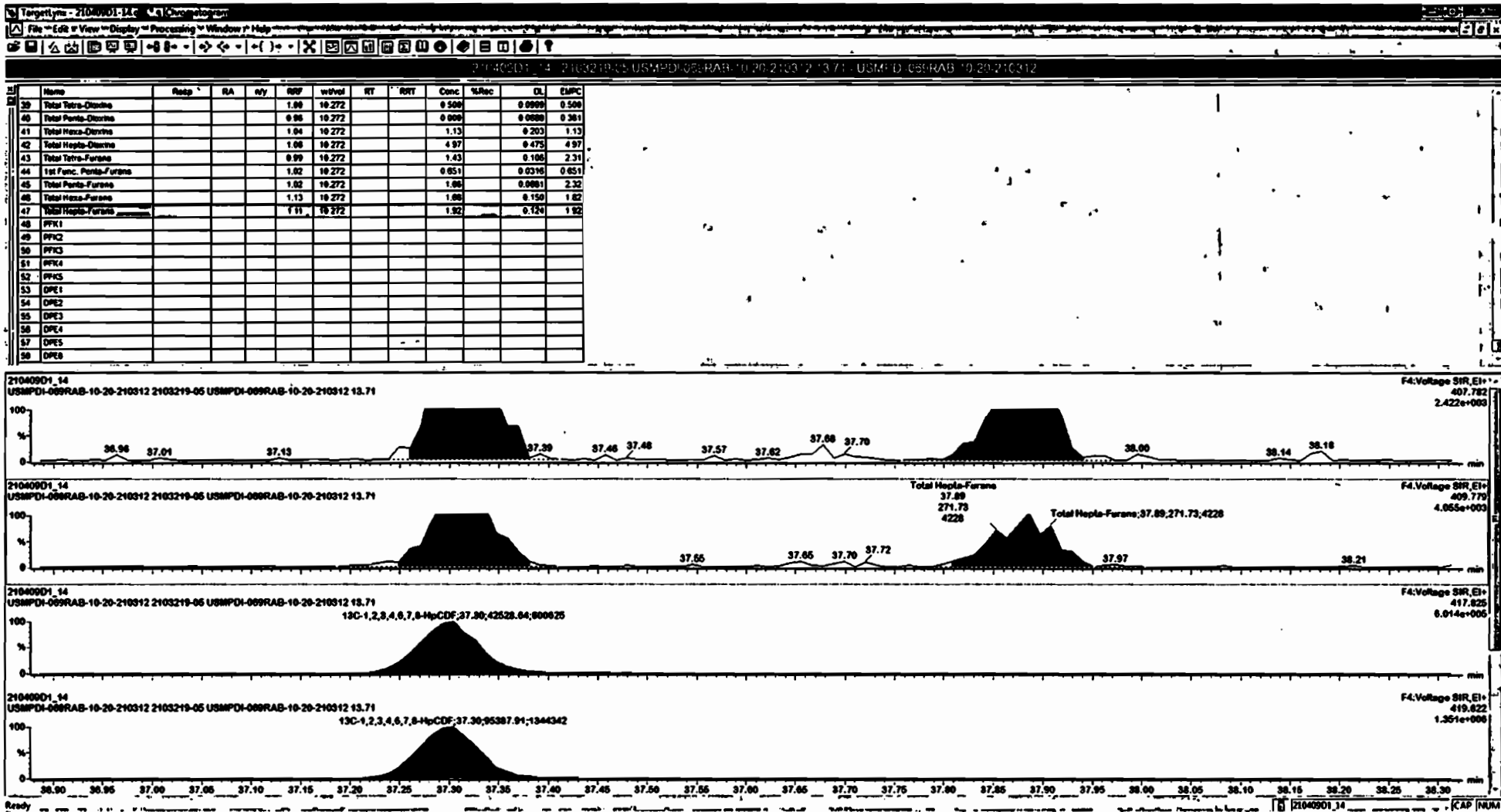
210409D1\_14



DPE4

210409D1\_14

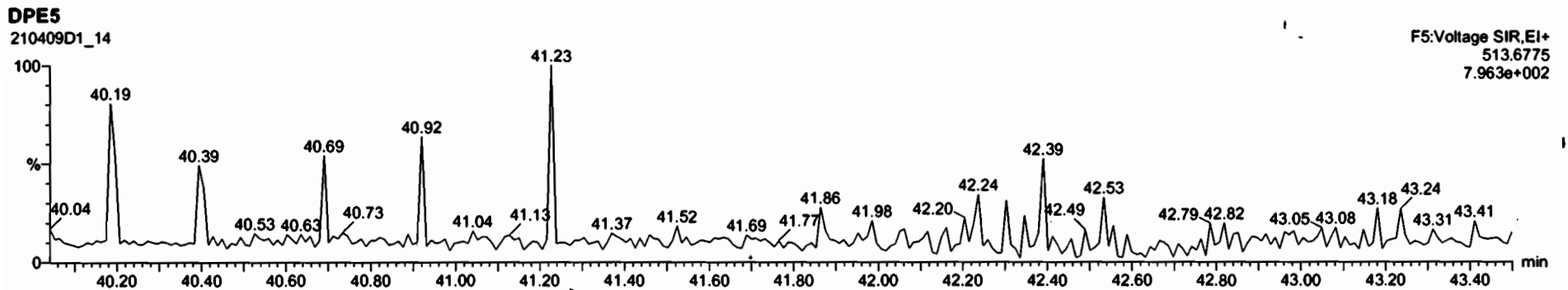
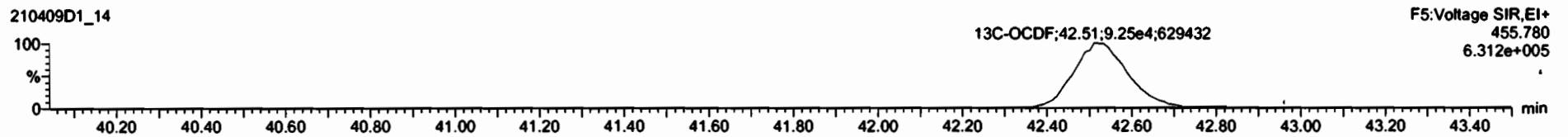
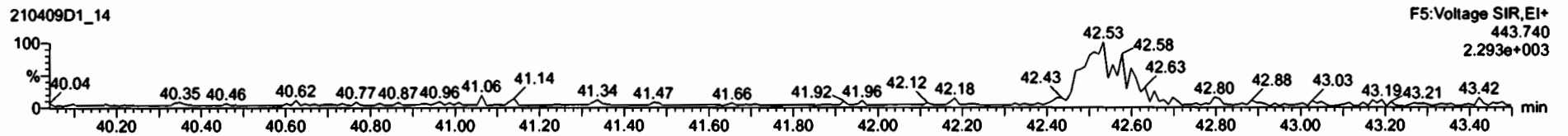
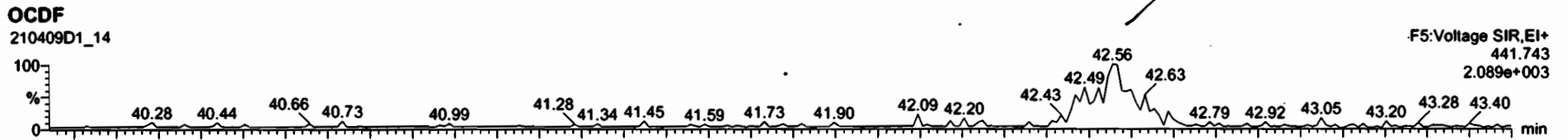


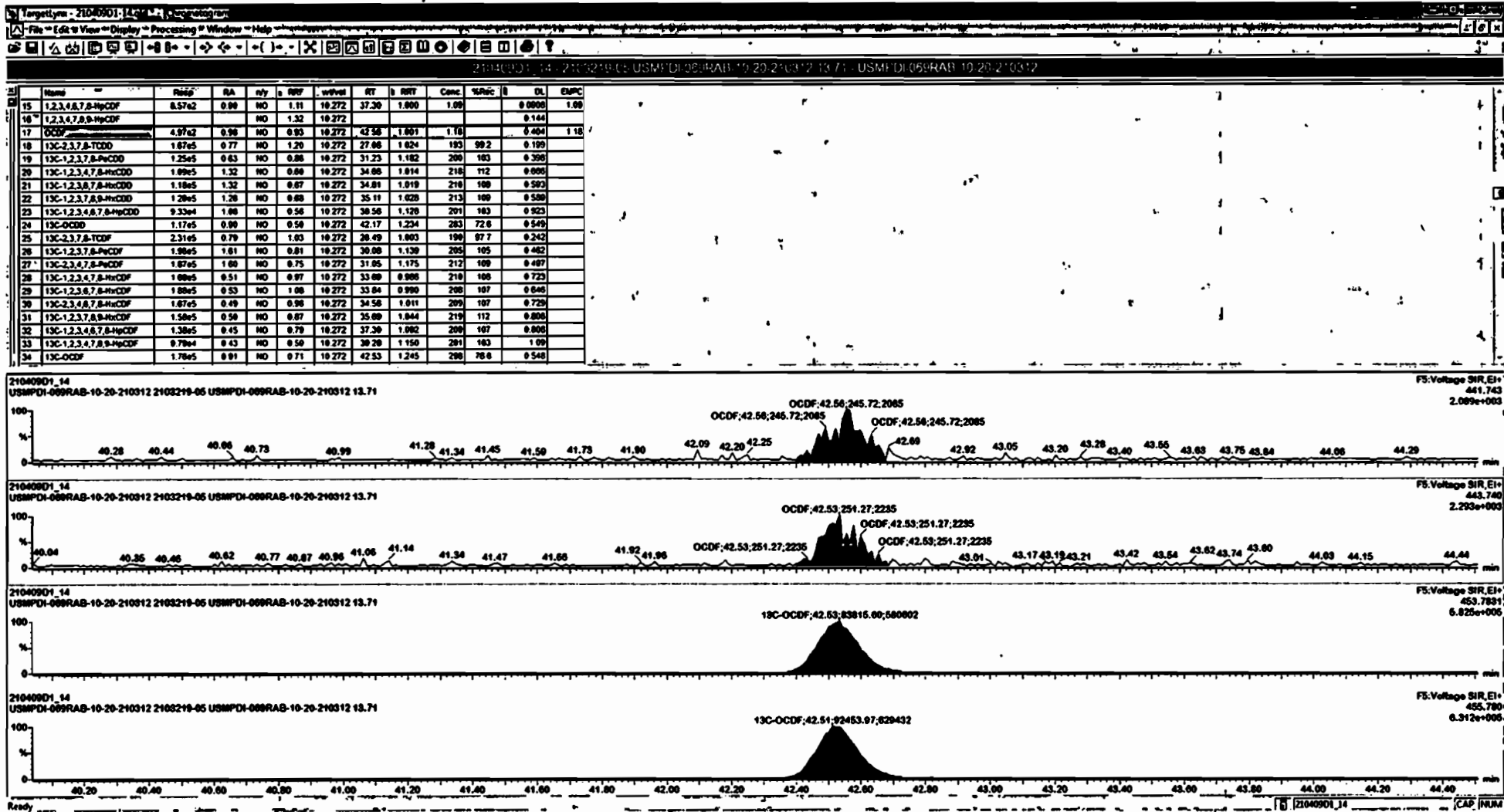


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Name: 210409D1\_14, Date: 09-Apr-2021, Time: 18:56:00, ID: 2103219-05 USMPDI-069RAB-10-20-210312 13.71, Description: USMPDI-069RAB-10-20-210312



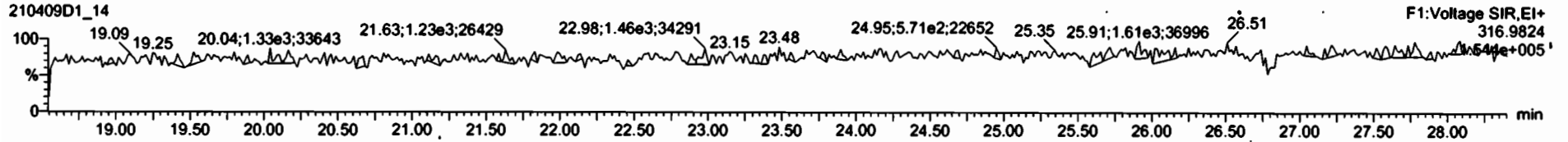


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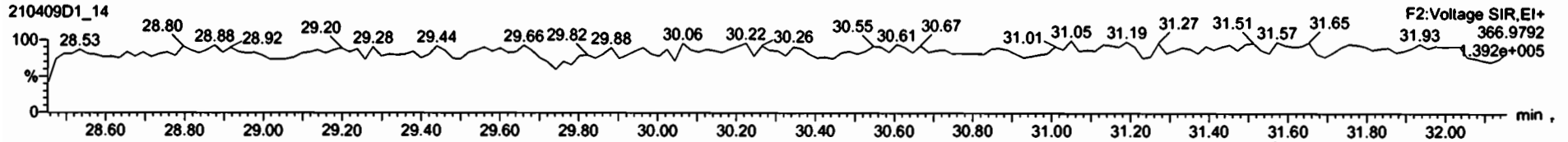
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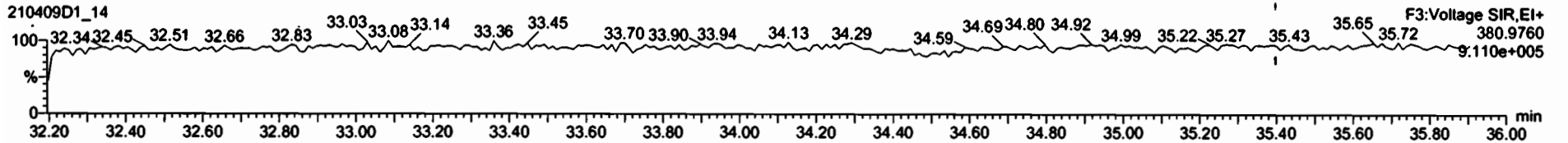
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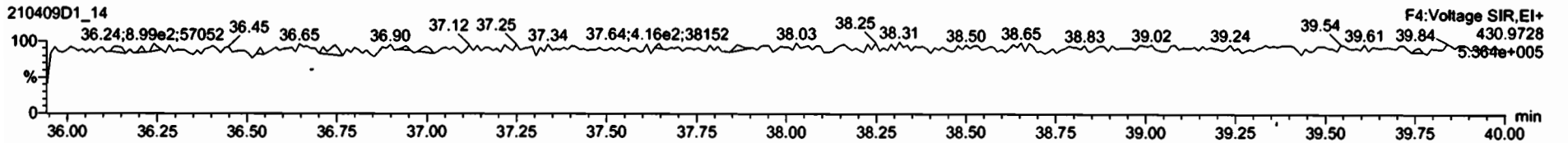
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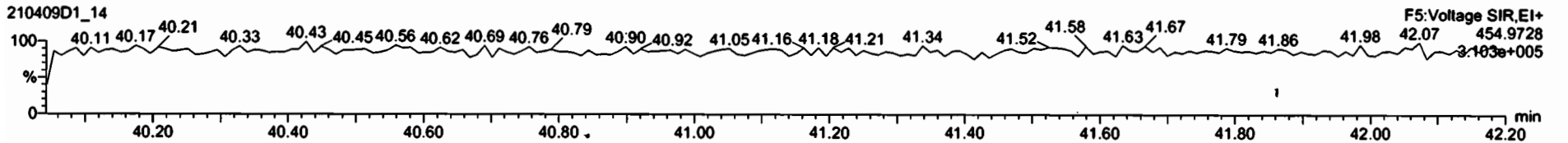
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-15.qld

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*DF 05/04/21*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

*05/04/2021*

Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312, Task: ST210409D1\_1

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1	2,3,7,8-TCDD			NO	0.998	10.071					0.109	
2	1,2,3,7,8-PeCDD			NO	0.961	10.071					0.0965	
3	1,2,3,4,7,8-HxCDD			NO	1.18	10.071					0.233	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.071					0.253	
5	1,2,3,7,8,9-HxCDD			NO	1.06	10.071					0.251	
6	1,2,3,4,6,7,8-HpCDD	3.33e2	0.94	NO	1.06	10.071	38.57	-1.001	0.79498		0.260	0.795
7	OCDD	1.48e3	1.00	NO	0.977	10.071	42.18	1.001	5.7292		1.59	5.73
8	2,3,7,8-TCDF			NO	0.989	10.071					0.0494	
9	1,2,3,7,8-PeCDF			NO	1.02	10.071					0.0503	
10	2,3,4,7,8-PeCDF			NO	1.17	10.071					0.0479	
11	1,2,3,4,7,8-HxCDF			NO	1.14	10.071					0.0423	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.071					0.0439	
13	2,3,4,6,7,8-HxCDF			NO	1.13	10.071					0.0503	
14	1,2,3,7,8,9-HxCDF			NO	1.07	10.071					0.0573	
15	1,2,3,4,6,7,8-HpCDF			NO	1.11	10.071					0.0432	
16	1,2,3,4,7,8,9-HpCDF			NO	1.32	10.071					0.0609	
17	OCDF			NO	0.931	10.071					0.142	
18	13C-2,3,7,8-TCDD	1.61e5	0.72	NO	1.20	10.071	27.04	1.024	223.57	113	0.334	
19	13C-1,2,3,7,8-PeCDD	1.21e5	0.62	NO	0.864	10.071	31.21	1.182	234.95	118	0.488	
20	13C-1,2,3,4,7,8-HxCDD	9.01e4	1.35	NO	0.600	10.071	34.69	1.015	225.84	114	0.780	
21	13C-1,2,3,6,7,8-HxCDD	9.81e4	1.31	NO	0.674	10.071	34.81	1.018	218.92	110	0.694	
22	13C-1,2,3,7,8,9-HxCDD	9.93e4	1.28	NO	0.679	10.071	35.11	1.027	220.09	111	0.689	
23	13C-1,2,3,4,6,7,8-HpCDD	7.84e4	1.08	NO	0.558	10.071	38.52	1.127	211.16	106	1.24	
24	13C-OCDD	1.05e5	0.90	NO	0.496	10.071	42.16	1.233	317.47	79.9	1.51	
25	13C-2,3,7,8-TCDF	2.32e5	0.76	NO	1.03	10.071	26.48	1.003	234.92	118	0.354	
26	13C-1,2,3,7,8-PeCDF	1.89e5	1.62	NO	0.805	10.071	30.08	1.139	244.02	123	0.617	
27	13C-2,3,4,7,8-PeCDF	1.78e5	1.59	NO	0.748	10.071	31.03	1.175	246.42	124	0.664	
28	13C-1,2,3,4,7,8-HxCDF	1.45e5	0.50	NO	0.968	10.071	33.70	0.986	225.21	113	0.919	
29	13C-1,2,3,6,7,8-HxCDF	1.61e5	0.50	NO	1.08	10.071	33.84	0.990	222.51	112	0.820	
30	13C-2,3,4,6,7,8-HxCDF	1.39e5	0.52	NO	0.960	10.071	34.56	1.011	218.12	110	0.927	

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-15.qld

Last Altered: Tuesday, May 04, 2021 11:19:25 Pacific Daylight Time  
Printed: Tuesday, May 04, 2021 11:21:20 Pacific Daylight Time

Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312, Task: ST210409D1\_1

	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.31e5	0.50	NO	0.869	10.071	35.69	1.044	226.18	114	1.02	
32	13C-1,2,3,4,6,7,8-HpCDF	1.11e5	0.42	NO	0.794	10.071	37.30	1.091	211.17	106	0.887	
33	13C-1,2,3,4,7,8,9-HpCDF	8.49e4	0.42	NO	0.586	10.071	39.27	1.149	217.93	110	1.20	
34	13C-OCDF	1.54e5	0.92	NO	0.711	10.071	42.53	1.244	325.95	82.1	0.710	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.071	27.08	1.025	95.683	120	0.0841	
36	13C-1,2,3,4-TCDD	1.19e5	0.77	NO	1.00	10.071	26.40	1.000	198.60	100	0.402	
37	13C-1,2,3,4-TCDF	1.91e5	0.78	NO	1.00	10.071	25.18	1.000	198.60	100	0.363	
38	13C-1,2,3,4,6,9-HxCDF	1.32e5	0.53	NO	1.00	10.071	34.18	1.000	198.60	100	0.890	
39	Total Tetra-Dioxins				0.998	10.071			0.41358		0.0745	0.414
40	Total Penta-Dioxins				0.961	10.071			0.00000		0.0458	0.189
41	Total Hexa-Dioxins				1.04	10.071			0.62448		0.258	0.624
42	Total Hepta-Dioxins				1.06	10.071			2.0195		0.260	2.02
43	Total Tetra-Furans				0.989	10.071			0.33648		0.0494	0.336
44	1st Func. Penta-Furans				1.02	10.071					0.0166	
45	Total Penta-Furans				1.02	10.071					0.0235	
46	Total Hexa-Furans				1.13	10.071					0.0254	
47	Total Hepta-Furans				1.11	10.071					0.0362	



Dataset: U:\VG7.PRO\Results\210409D1\210409D1-15.qld

Last Altered: Tuesday, May 04, 2021 11:19:25 Pacific Daylight Time  
 Printed: Tuesday, May 04, 2021 11:21:20 Pacific Daylight Time

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Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312,  
 Task: ST210409D1\_1

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	23.96	1.253e3	1.821e3	7.116e1	9.608e1	0.74	NO	1.672e2	0.20739	0.20739	0.0745
2	Total Tetra-Dioxins	25.33	1.185e3	2.199e3	6.863e1	9.764e1	0.70	NO	1.663e2	0.20619	0.20619	0.0745

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.74	8.150e2	2.851e3	4.285e1	2.031e2	0.21	YES	0.000e0	0.00000	0.18903	0.0965

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.91	3.866e3	2.628e3	1.691e2	1.445e2	1.17	NO	3.135e2	0.62448	0.62448	0.258

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.60	3.651e3	3.057e3	2.675e2	2.448e2	1.09	NO	5.122e2	1.2246	1.2246	0.260
2	1,2,3,4,6,7,8-HpCDD	38.57	1.909e3	2.079e3	1.609e2	1.717e2	0.94	NO	3.325e2	0.79498	0.79498	0.260

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	23.31	3.362e3	3.317e3	1.804e2	2.090e2	0.86	NO	3.894e2	0.33648	0.33648	0.0494

**Penta-Furans function 1**

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

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-15.qld

Last Altered: Tuesday, May 04, 2021 11:19:25 Pacific Daylight Time  
Printed: Tuesday, May 04, 2021 11:21:20 Pacific Daylight Time

Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312,  
Task: ST210409D1\_1

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												

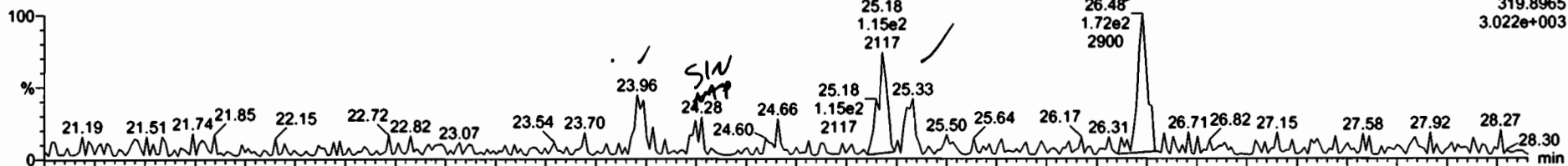
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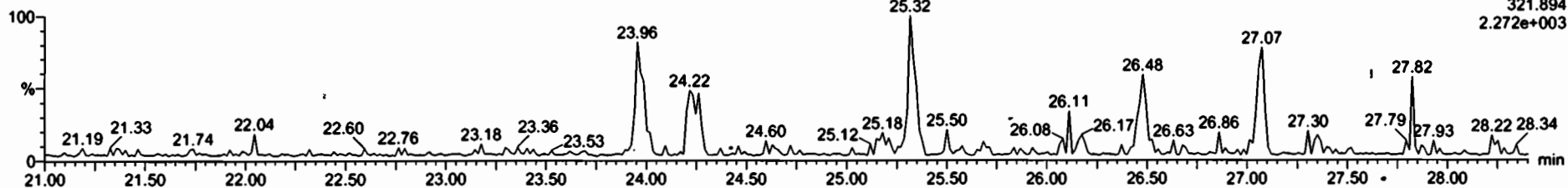
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2,3,7,8-TCDD

210409D1\_15



210409D1\_15

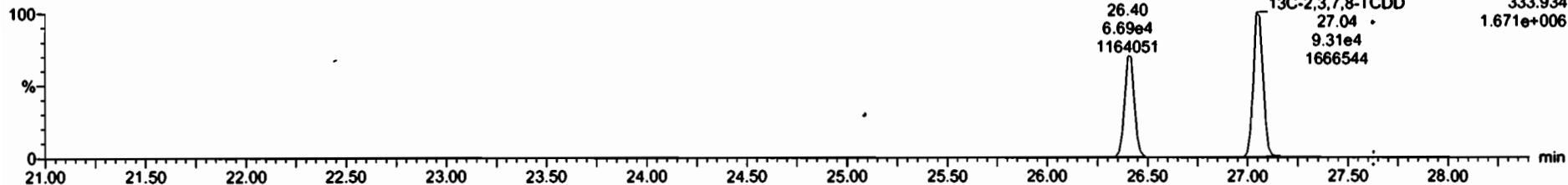


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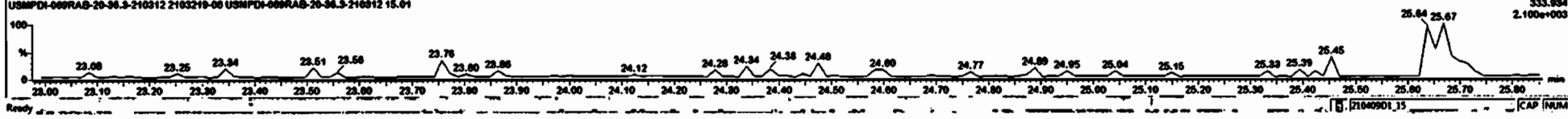
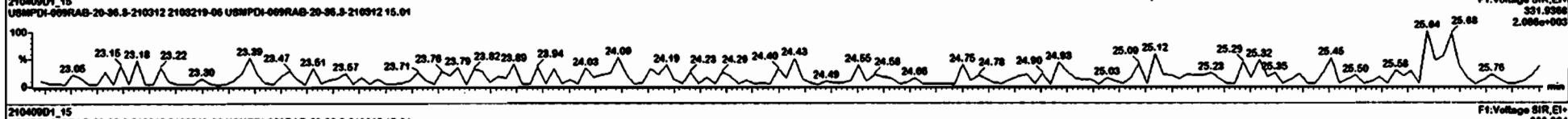
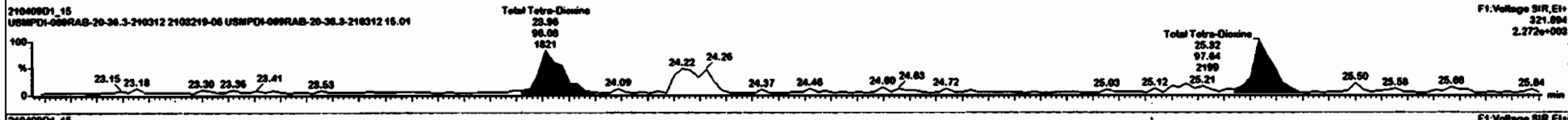
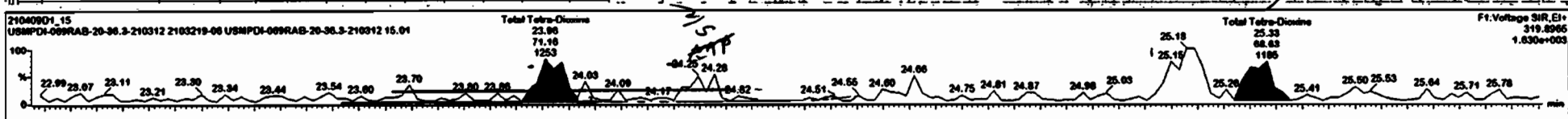
210409D1\_15



210409D1\_15



#	Name	Resp	RA	Int	RRF	WtVal	RT	RRT	Conc	%Rec	CL	EMPC
25	13C-2,3,7,8-TCDF	2.32e5	0.76	NO	1.83	10.071	28.48	1.003	235	118	0.354	
26	13C-1,2,3,7,8-PeCDF	1.89e5	1.82	NO	0.81	10.071	30.88	1.139	244	123	0.617	
27	13C-2,3,4,7,8-PeCDF	1.78e5	1.59	NO	0.75	10.071	31.83	1.175	246	124	0.864	
28	13C-1,2,3,4,7,8-HxCDF	1.45e5	0.50	NO	0.97	10.071	33.70	0.988	225	113	0.919	
29	13C-1,2,3,6,7,8-HxCDF	1.61e5	0.58	NO	1.00	10.071	33.84	0.990	223	112	0.820	
30	13C-2,3,4,6,7,8-HxCDF	1.39e5	0.52	NO	0.96	10.071	34.58	1.011	218	110	0.927	
31	13C-1,2,3,7,8,9-HxCDF	1.31e5	0.50	NO	0.87	10.071	35.89	1.044	226	114	1.02	
32	13C-1,2,3,4,6,7,8-HpCDF	1.11e5	0.42	NO	0.79	10.071	37.30	1.091	211	108	0.887	
33	13C-1,2,3,4,7,8,9-HpCDF	8.49e4	0.42	NO	0.59	10.071	39.27	1.149	218	110	1.20	
34	13C-OCDF	1.54e5	0.92	NO	0.71	10.071	42.53	1.244	328	82.1	0.718	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.071	27.68	1.025	95.7	120	0.0841	
36	13C-1,2,3,4-TCDD	1.19e5	0.77	NO	1.00	10.071	28.40	1.000	199	100	0.482	
37	13C-1,2,3,6-TCDF	1.91e5	0.78	NO	1.00	10.071	25.18	1.000	199	100	0.383	
38	13C-1,2,3,4,6,8-HxCDF	1.32e5	0.53	NO	1.00	10.071	34.18	1.000	199	100	0.890	
39	Total Tetra-Dioxins				1.89	10.071			0.414		0.0745	0.414
40	Total Penta-Dioxins				0.90	10.071					0.0458	
41	Total Hexa-Dioxins				1.04	10.071			0.624		0.258	0.624
42	Total Hepta-Dioxins				1.06	10.071			1.25		0.200	2.03
43	Total Tetra-Furans				0.99	10.071			0.346		0.0404	0.346
44	Total Func. Penta-Furans				1.02	10.071					0.0108	



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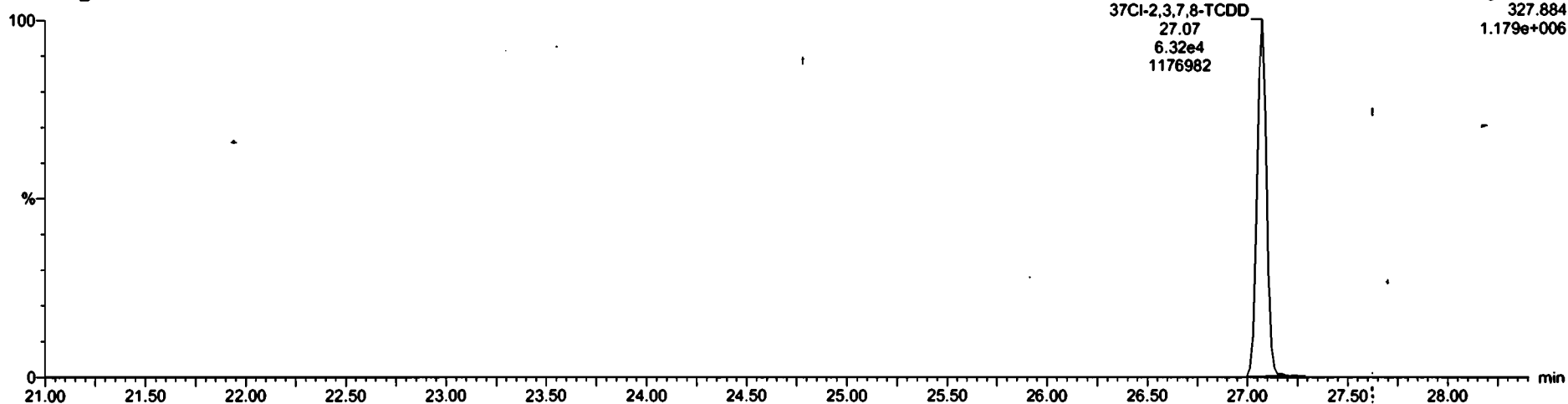
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312

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

210409D1\_15

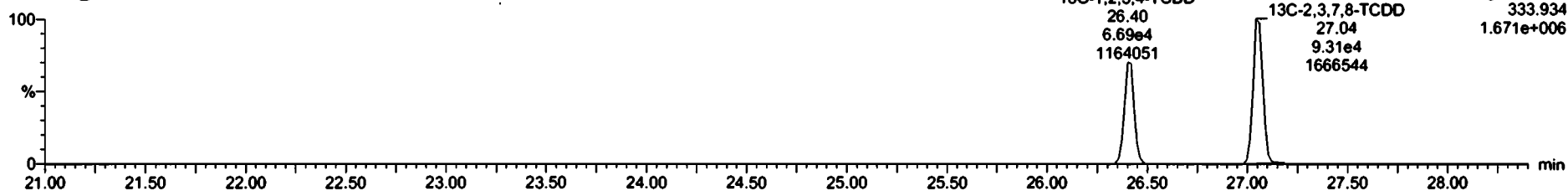


**13C-1,2,3,4-TCDD**

210409D1\_15



210409D1\_15



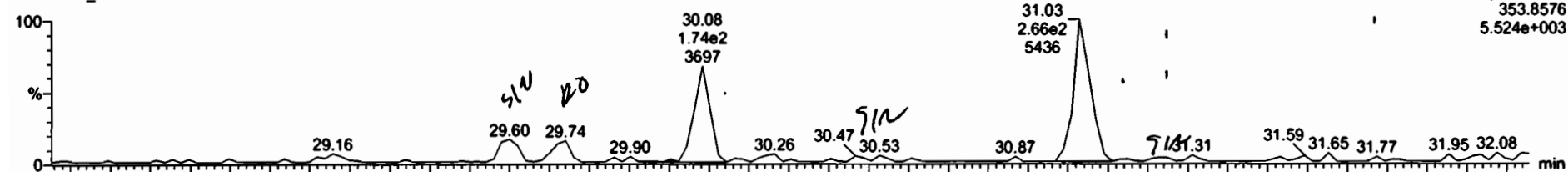
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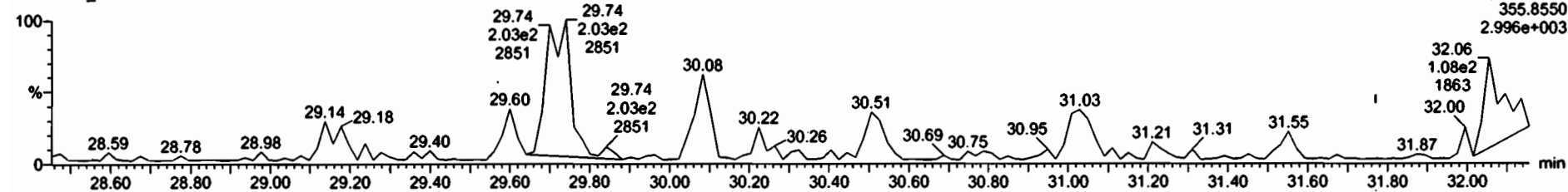
1,2,3,7,8-PeCDD

210409D1\_15



F2: Voltage SIR, EI+  
353.8576  
5.524e+003

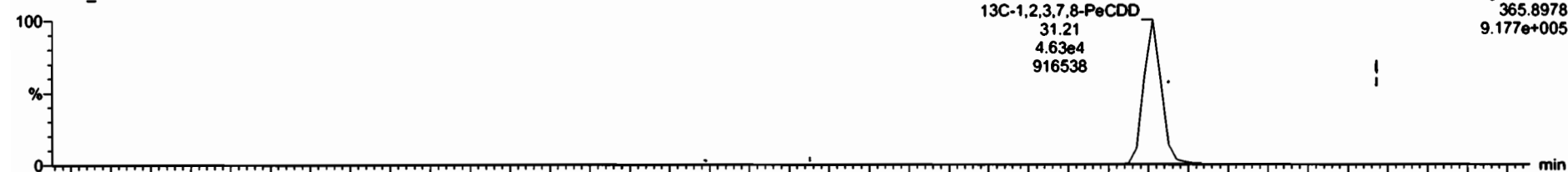
210409D1\_15



F2: Voltage SIR, EI+  
355.8550  
2.996e+003

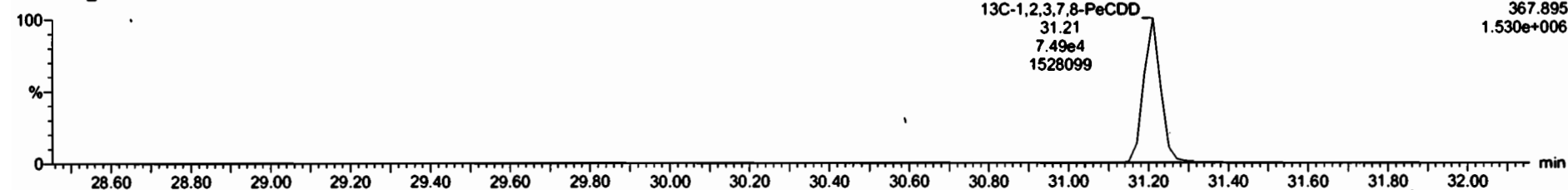
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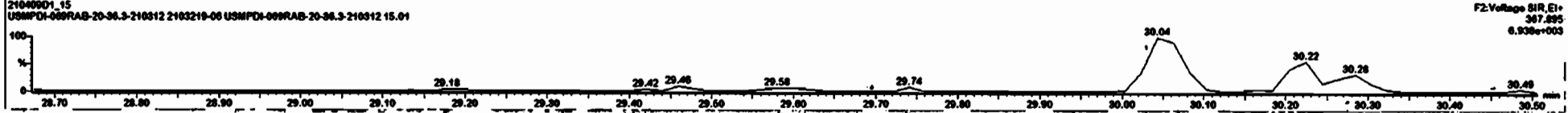
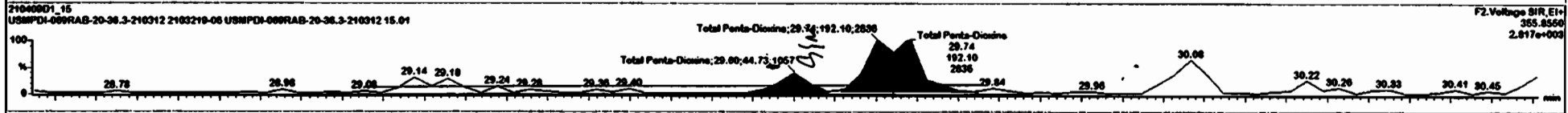
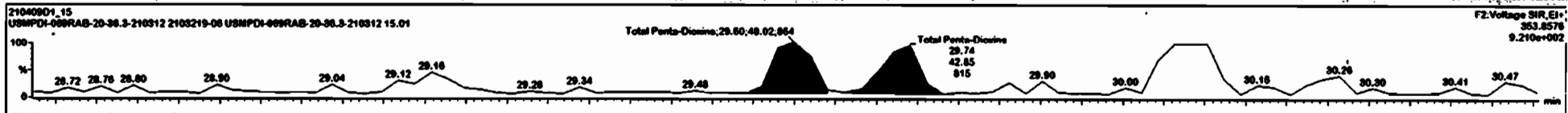
F2: Voltage SIR, EI+  
365.8978  
9.177e+005

210409D1\_15



F2: Voltage SIR, EI+  
367.895  
1.530e+006

Name	RT	RA	dy	RF	width	RT	RT	Conc.	%Rec	CL	EMPC
21	13C-1,2,3,6,7,8-HxCDD	0.81e4	1.31	NO	0.87	10.071	34.81	1.818	219	110	0.094
22	13C-1,2,3,7,8,9-HxCDD	9.93e4	1.26	NO	0.88	10.071	35.11	1.827	220	111	0.090
23	13C-1,2,3,4,6,7,8-HpCDD	7.84e4	1.08	NO	0.58	10.071	38.52	1.127	211	108	1.24
24	13C-OCDD	1.95e5	0.99	NO	0.58	10.071	42.16	1.233	317	79.9	1.51
25	13C-2,3,7,8-TCDF	2.32e5	0.76	NO	1.83	10.071	26.48	1.803	235	118	0.354
26	13C-1,2,3,7,8-PeCDF	1.88e5	1.02	NO	0.81	10.071	30.08	1.139	244	123	0.617
27	13C-2,3,4,7,8-PeCDF	1.78e5	1.58	NO	0.75	10.071	31.83	1.175	240	124	0.684
28	13C-1,2,3,4,7,8-HxCDF	1.45e5	0.58	NO	0.97	10.071	33.76	0.888	225	113	0.919
29	13C-1,2,3,4,7,8-HxCDF	1.61e5	0.58	NO	1.08	10.071	33.84	0.990	223	112	0.820
30	13C-2,3,4,6,7,8-HxCDF	1.38e5	0.52	NO	0.98	10.071	34.56	1.011	218	110	0.927
31	13C-1,2,3,7,8,9-HxCDF	1.31e5	0.58	NO	0.87	10.071	35.08	1.044	226	114	1.02
32	13C-1,2,3,4,6,7,8-HpCDF	1.11e5	0.42	NO	0.79	10.071	37.38	1.081	211	108	0.887
33	13C-1,2,3,4,7,8,9-HpCDF	8.48e4	0.42	NO	0.58	10.071	38.27	1.148	218	110	1.20
34	13C-OCDF	1.54e5	0.82	NO	0.71	10.071	42.53	1.244	320	82.1	0.710
35	37Cl-2,3,7,8-TCDD	6.32e4	1.11	NO	1.11	10.071	27.88	1.025	95.7	120	0.0841
36	13C-1,2,3,4-TCDD	1.19e5	0.77	NO	1.08	10.071	28.48	1.000	199	100	0.402
37	13C-1,2,3,4-TCDF	1.91e5	0.78	NO	1.08	10.071	25.18	1.000	199	100	0.383
38	13C-1,2,3,4,6,8-HxCDF	1.32e5	0.53	NO	1.08	10.071	34.18	1.000	199	100	0.880
39	Total Tetra-Dioxins				1.08	10.071		0.414			0.414
40	Total Penta-Dioxins				0.88	10.071		0.009			0.313



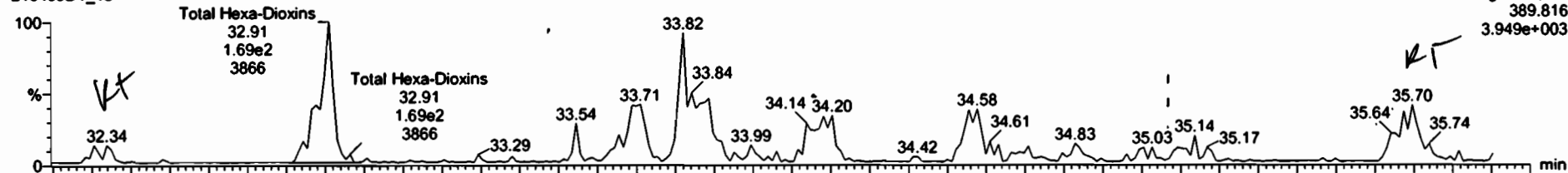
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Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312

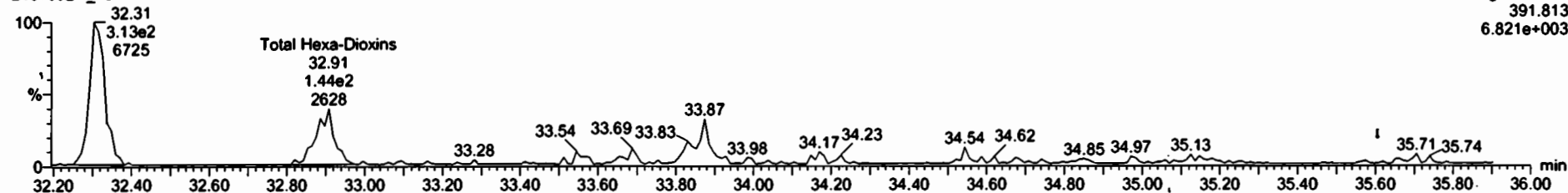
1,2,3,4,7,8-HxCDD

210409D1\_15



F3:Voltage SIR,EI+  
389.816  
3.949e+003

210409D1\_15



F3:Voltage SIR,EI+  
391.813  
6.821e+003

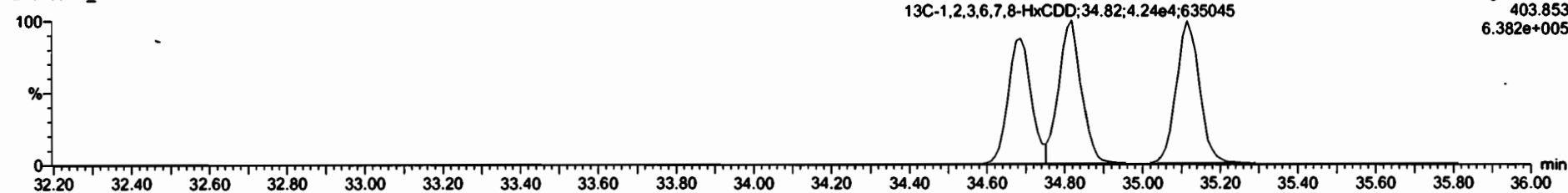
13C-1,2,3,4,7,8-HxCDD

210409D1\_15



F3:Voltage SIR,EI+  
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8.159e+005

210409D1\_15



F3:Voltage SIR,EI+  
403.853  
6.382e+005



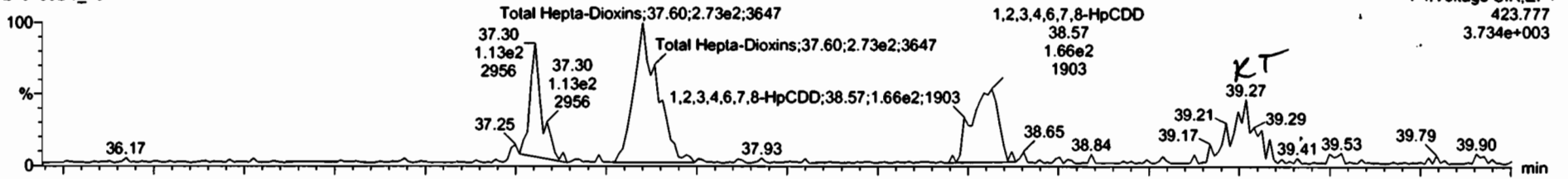
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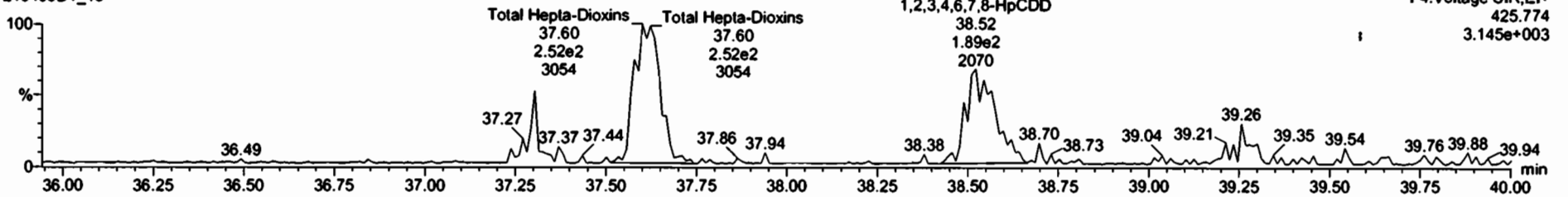
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1,2,3,4,6,7,8-HpCDD

210409D1\_15

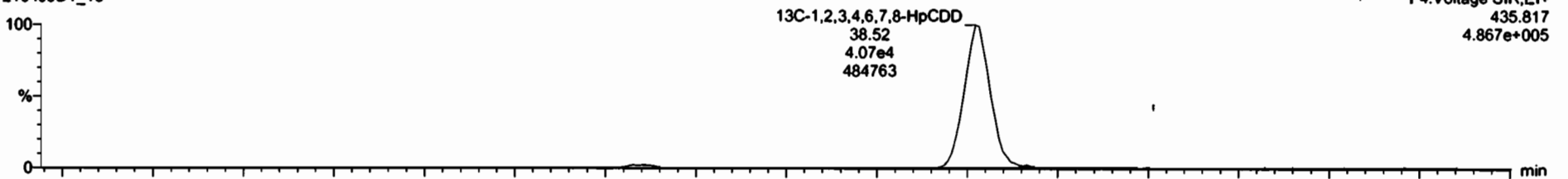


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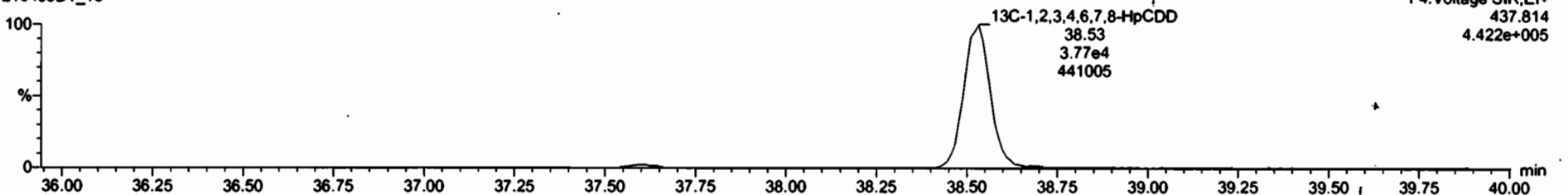


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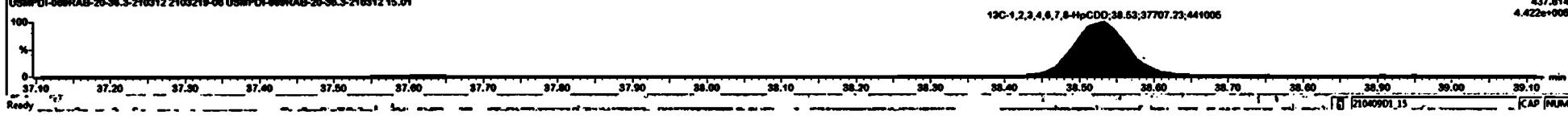
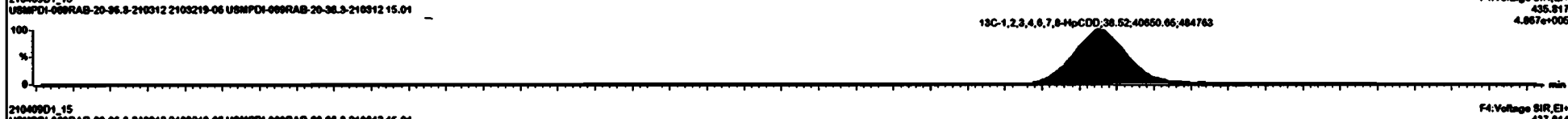
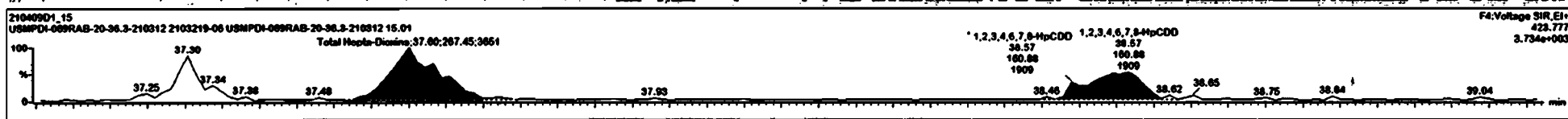
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210409D1\_15



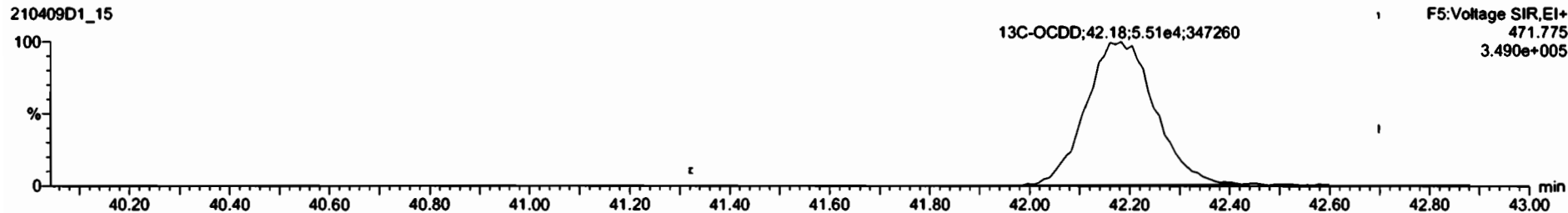
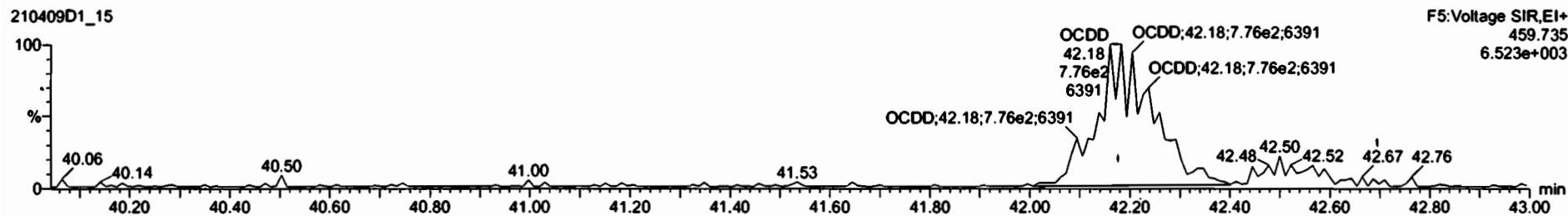
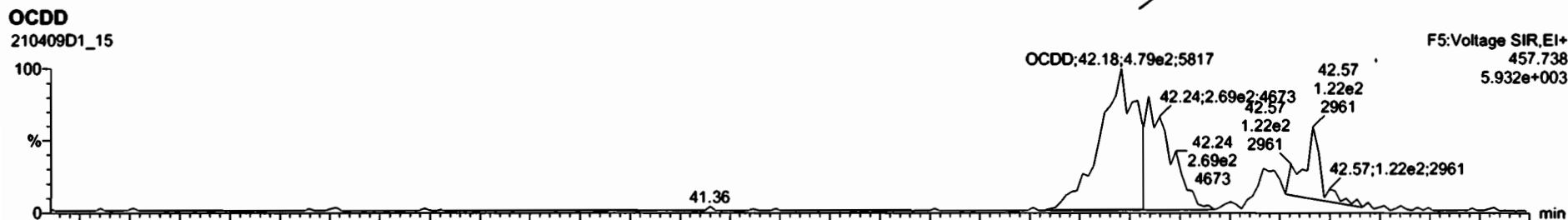
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25	13C-2,3,7,8-TCDF	2.32e5	0.78	ND	1.03	10.071	28.48	1.003	225	118	0.354	
26	13C-1,2,3,7,8-PeCDF	1.99e5	1.62	ND	0.81	10.071	30.88	1.130	244	123	0.617	
27	13C-2,3,4,7,8-PeCDF	1.78e5	1.58	ND	0.75	10.071	31.83	1.175	248	124	0.664	
28	13C-1,2,3,4,7,8-HxCDF	1.45e5	0.50	ND	0.97	10.071	33.78	0.986	225	113	0.919	
29	13C-1,2,3,6,7,8-HxCDF	1.61e5	0.50	ND	1.08	10.071	33.84	0.990	223	112	0.820	
30	13C-2,3,4,6,7,8-HxCDF	1.39e5	0.52	ND	0.96	10.071	34.58	1.011	218	110	0.927	
31	13C-1,2,3,7,8,9-HxCDF	1.31e5	0.50	ND	0.87	10.071	35.89	1.044	226	114	1.02	
32	13C-1,2,3,4,6,7,8-HpCDF	1.11e5	0.42	ND	0.79	10.071	37.38	1.091	211	108	0.887	
33	13C-1,2,3,4,7,8,9-HpCDF	8.49e4	0.42	ND	0.50	10.071	39.27	1.149	218	110	1.20	
34	13C-OCDF	1.54e5	0.92	ND	0.71	10.071	42.53	1.244	328	82.1	0.710	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.071	27.68	1.025	95.7	120	0.0841	
36	13C-1,2,3,4-TCDD	1.19e5	0.77	ND	1.00	10.071	28.40	1.000	189	188	0.402	
37	13C-1,2,3,4-TCDF	1.91e5	0.78	ND	1.00	10.071	25.18	1.000	188	188	0.363	
38	13C-1,2,3,4,8,9-HxCDF	1.32e5	0.53	ND	1.00	10.071	34.18	1.000	188	188	0.880	
39	Total Tetra-Dioxins				1.00	10.071			0.414		0.0745	0.414
40	Total Penta-Dioxins				0.58	10.071			0.000		0.0458	0.313
41	Total Hexa-Dioxins				1.04	10.071			0.624		0.250	0.624
42	Total Hepta-Dioxins				1.08	10.071			2.82		0.289	2.82
43	Total Tetra-Furans				0.99	10.071			0.348		0.0494	0.348
44	1st Func. Penta-Furans				1.82	10.071					0.0188	

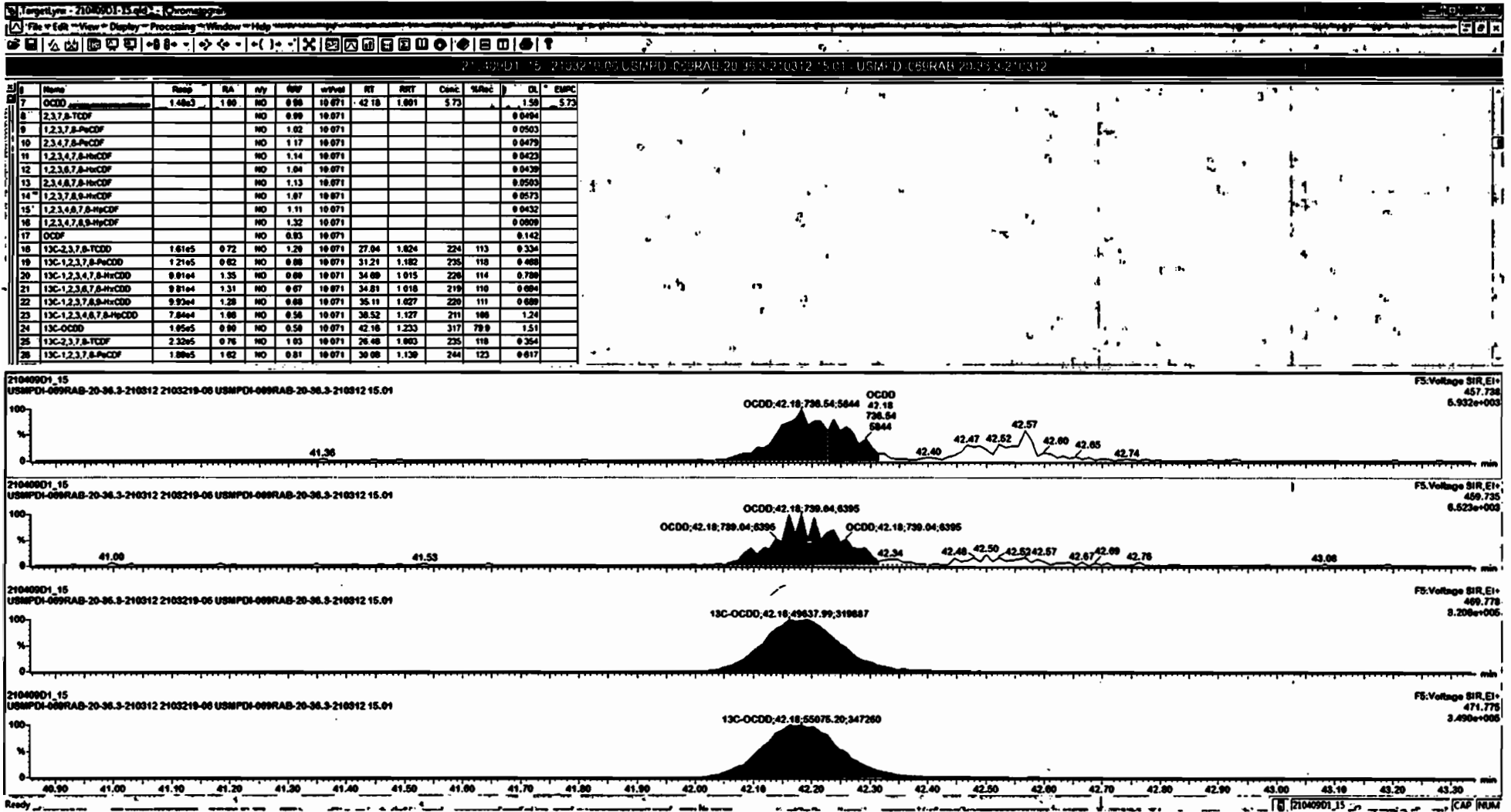


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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312





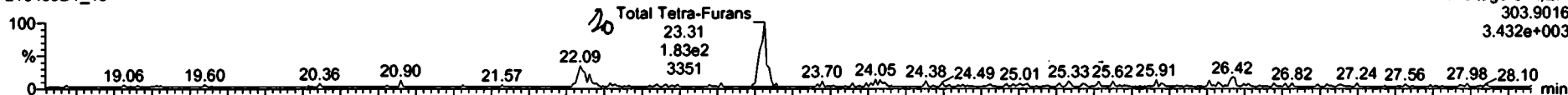
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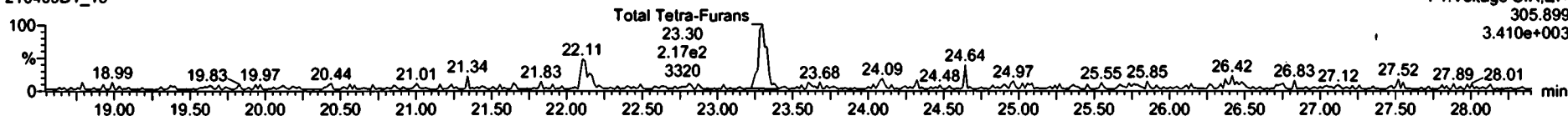
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2,3,7,8-TCDF

210409D1\_15

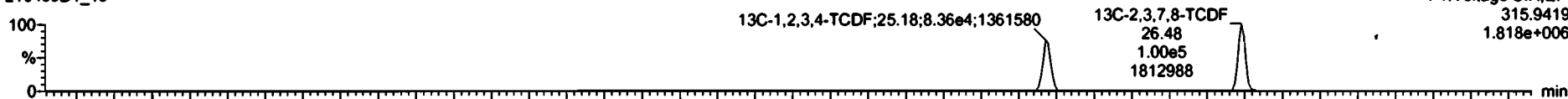


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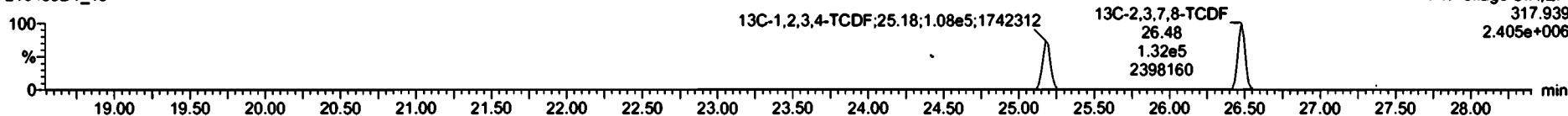


13C-2,3,7,8-TCDF

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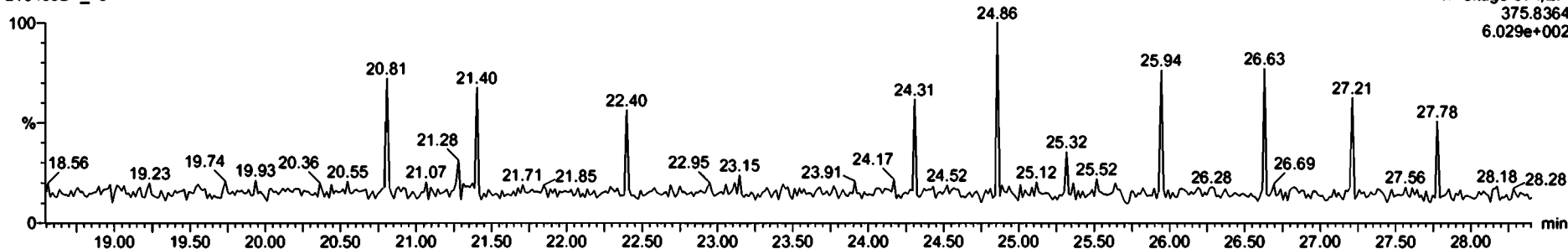


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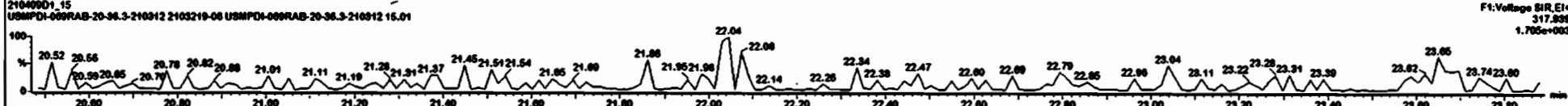
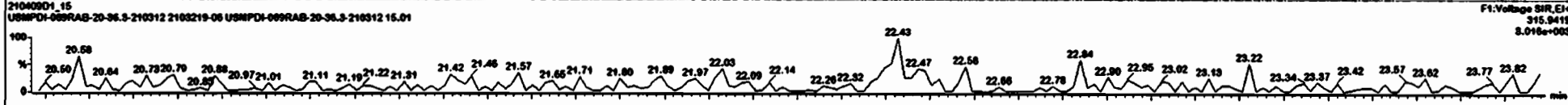
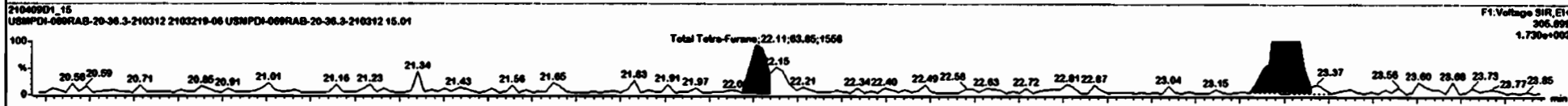
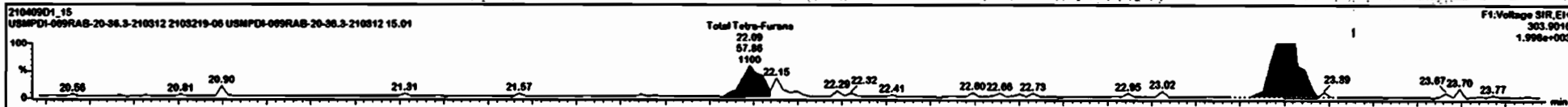


DPE1

210409D1\_15



Item	Name	Resp	BA	dy	RF	wRet	RT	RTT	Conc.	%Rec	DL	EMPC
29	13C-1,2,3,6,7,8-HxCDF	1.61e5	0.50	NO	1.00	10.071	33.84	0.990	223	112	0.620	
30	13C-2,3,4,6,7,8-HxCDF	1.30e5	0.52	NO	0.95	10.071	34.56	1.011	218	110	0.927	
31	13C-1,2,3,4,6,7,8-HxCDF	1.31e5	0.50	NO	0.87	10.071	35.69	1.044	226	114	1.02	
32	13C-1,2,3,4,6,7,8-HxCDF	1.11e5	0.42	NO	0.79	10.071	37.30	1.091	211	105	0.087	
33	13C-1,2,3,4,7,8-HxCDF	8.49e4	0.42	NO	0.50	10.071	39.27	1.149	218	110	1.20	
34	13C-OCDF	1.54e5	0.92	NO	0.71	10.071	42.53	1.244	326	82.1	0.710	
35	37Cl-2,3,7,8-TCDF	6.32e4			1.11	10.071	37.80	1.025	95.7	120	0.0041	
36	13C-1,2,3,4-TCDF	1.18e5	0.77	NO	1.00	10.071	26.40	1.000	199	100	0.402	
37	13C-1,2,3,4-TCDF	1.91e5	0.78	NO	1.00	10.071	25.18	1.000	199	100	0.353	
38	13C-1,2,3,4,8,9-HxCDF	1.32e5	0.53	NO	1.00	10.071	34.18	1.000	199	100	0.000	
39	Total Tetra-Dioxins				1.00	10.071			0.414		0.0745	0.414
40	Total Penta-Dioxins				0.30	10.071			0.000		0.0450	0.313
41	Total Hexa-Dioxins				1.04	10.071			0.024		0.250	0.024
42	Total Hepta-Dioxins				1.00	10.071			2.02		0.200	2.02
43	Total Tetra-Furans				0.90	10.071			0.338		0.0401	0.434
44	Total Penta-Furans				1.02	10.071					0.0100	
45	Total Hexa-Furans				1.02	10.071					0.0235	
46	Total Hepta-Furans				1.13	10.071					0.0254	
47	Total Hepta-Furans				1.11	10.071					0.0302	
48	PFK1											



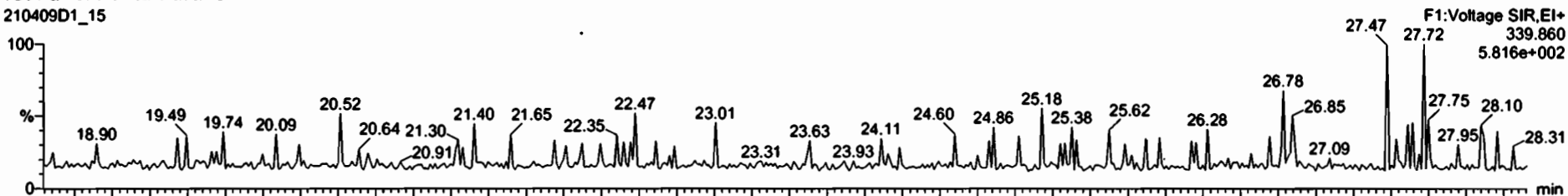
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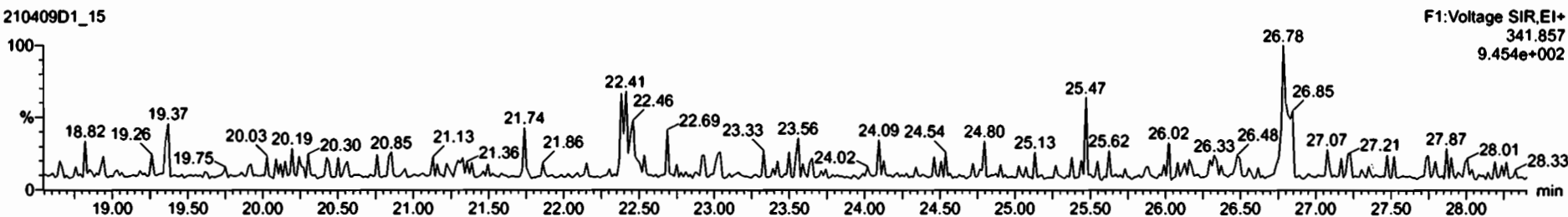
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1st Func. Penta-Furans

210409D1\_15

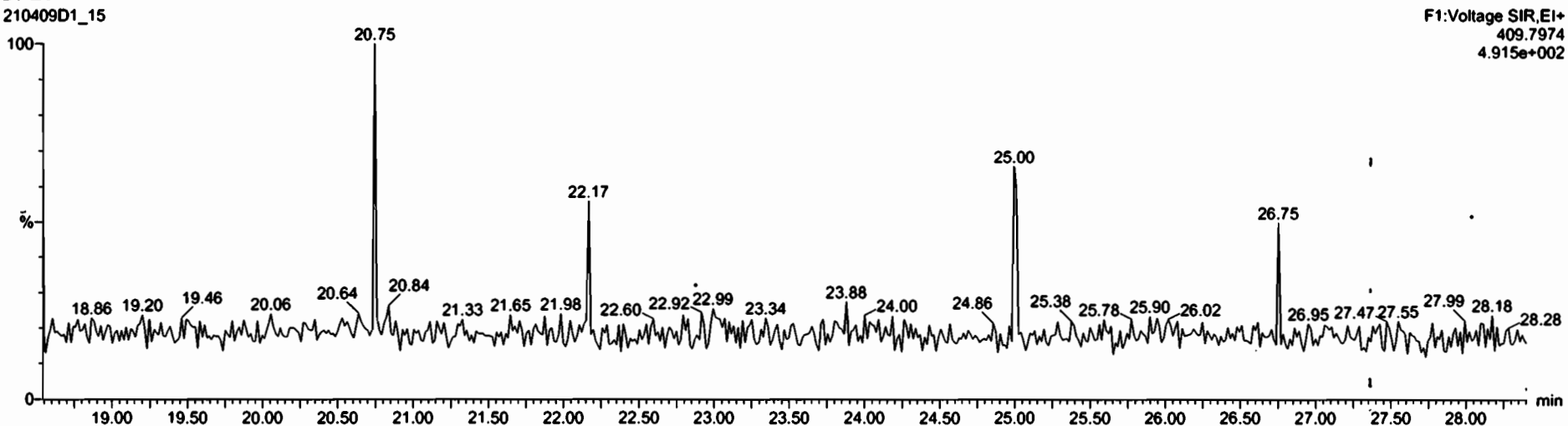


210409D1\_15



DPE6

210409D1\_15



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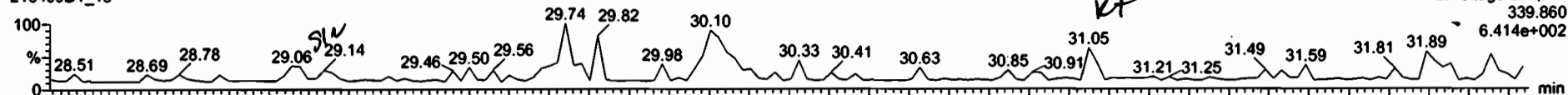
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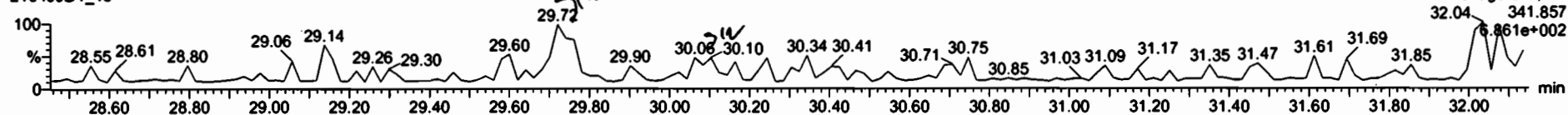
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1,2,3,7,8-PeCDF

210409D1\_15



210409D1\_15

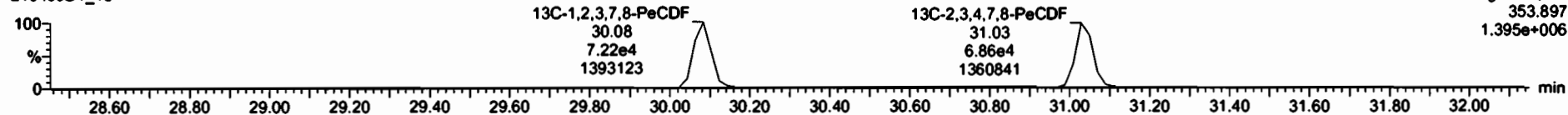


13C-1,2,3,7,8-PeCDF

210409D1\_15

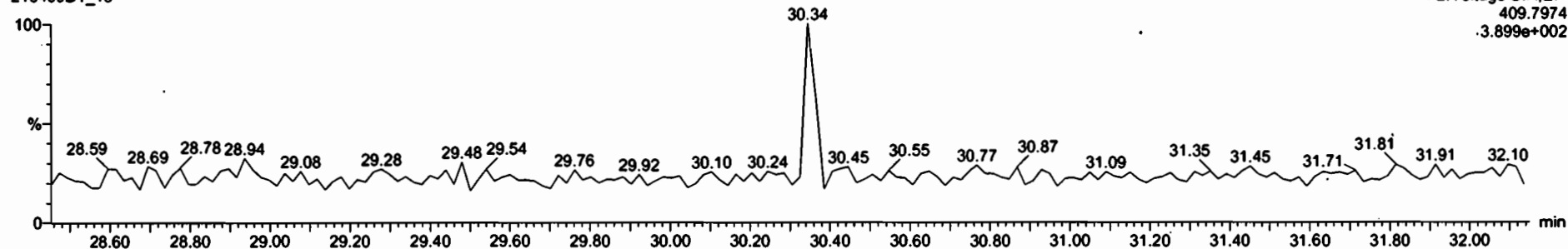


210409D1\_15



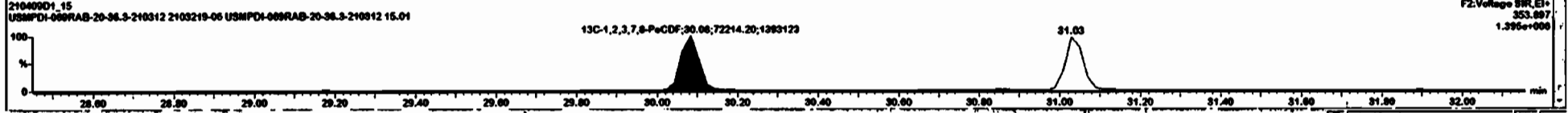
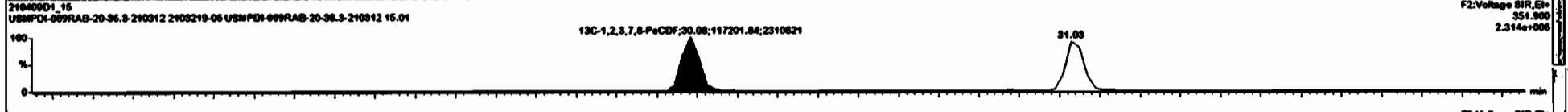
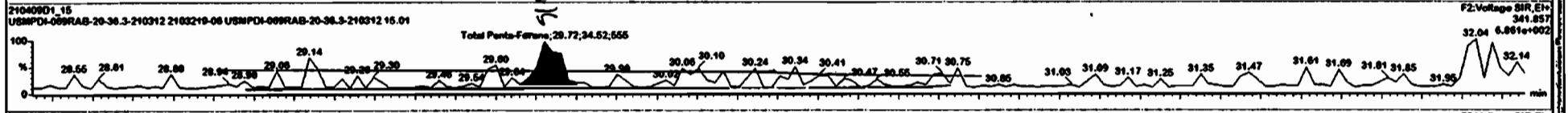
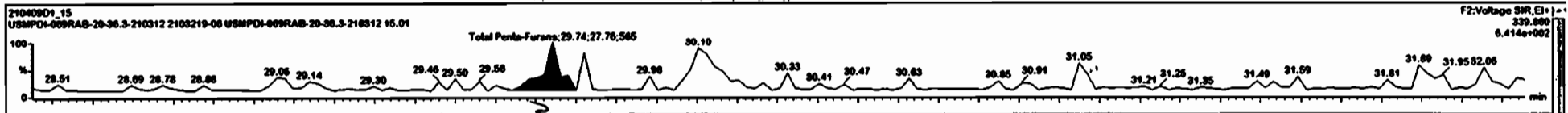
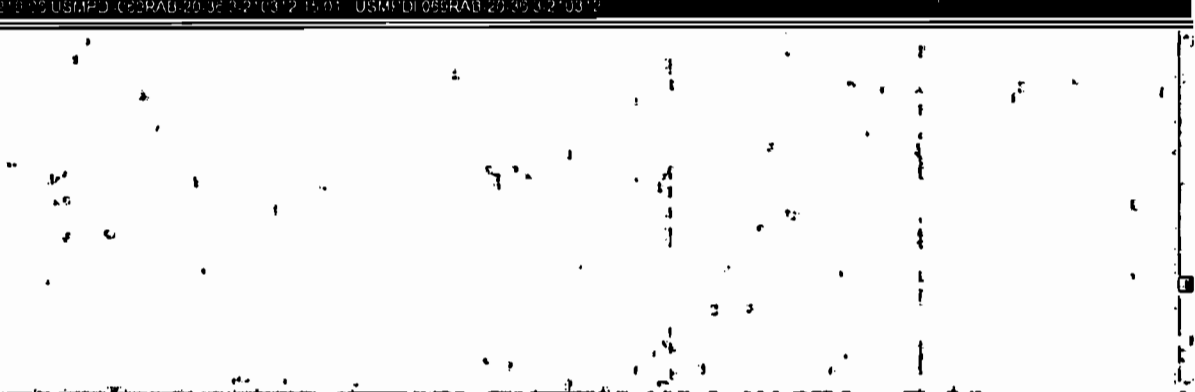
DPE2

210409D1\_15





#	Name	Resp	RA	ny	OFP	width	RT	RTT	Conc	%Rec	DL	EMPC
29	13C-1,2,3,6,7,8-HxCDF	1.61e5	0.58	NO	1.28	10.071	33.84	0.890	223	112	0.829	
30	13C-2,3,4,6,7,8-HxCDF	1.38e5	0.52	NO	0.98	10.071	34.56	1.011	218	110	0.927	
31	13C-1,2,3,7,8,9-HxCDF	1.31e5	0.50	NO	0.87	10.071	35.69	1.044	228	114	1.02	
32	13C-1,2,3,4,6,7,8,9-HpCDF	1.11e5	0.42	NO	0.73	10.071	37.30	1.091	211	108	0.887	
33	13C-1,2,3,4,7,8,9-HpCDF	8.49e4	0.42	NO	0.50	10.071	39.27	1.149	218	110	1.20	
34	13C-OCDF	1.54e5	0.92	NO	0.71	10.071	42.53	1.244	328	82.1	0.710	
35	37Cl-2,3,7,8-TCDD	6.32e4			1.11	10.071	27.98	1.025	95.7	120	0.0841	
36	13C-1,2,3,4-TCDD	1.19e5	0.77	NO	1.00	10.071	28.40	1.000	199	100	0.402	
37	13C-1,2,3,4-TCDF	1.91e5	0.78	NO	1.00	10.071	25.18	1.000	199	100	0.383	
38	13C-1,2,3,4,6,8,9-HxCDF	1.32e5	0.53	NO	1.00	10.071	34.18	1.000	199	100	0.890	
39	Total Tetra-Dioxins				1.00	10.071			0.414		0.0745	0.414
40	Total Penta-Dioxins				0.98	10.071			0.000		0.0450	0.313
41	Total Hexa-Dioxins				1.94	10.071			0.824		0.250	0.624
42	Total Hepta-Dioxins				1.06	10.071			2.42		0.280	2.62
43	Total Tetra-Furans				0.99	10.071			0.326		0.0494	0.434
44	1st Func. Penta-Furans				1.02	10.071					0.0100	
45	Total Penta-Furans				1.02	10.071			0.000		0.0235	0.0483
46	Total Hexa-Furans				1.13	10.071					0.0254	
47	Total Hepta-Furans				1.11	10.071					0.0382	
48	PFK1											



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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

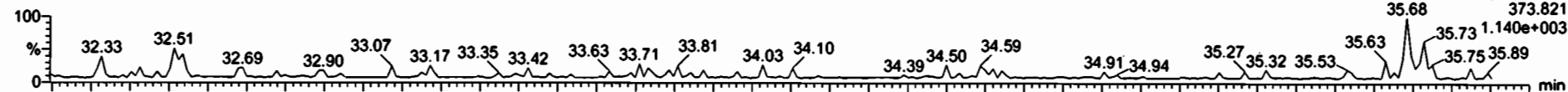
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*05/04/21*

Name: 210409D1\_15, Date: 09-Apr-2021, Time: 19:42:39, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 15.01, Description: USMPDI-069RAB-20-36.3-210312

*NAP*

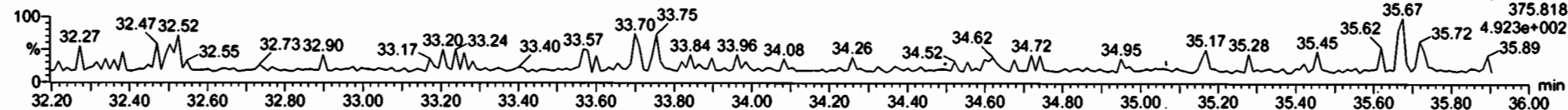
1,2,3,4,7,8-HxCDF

210409D1\_15



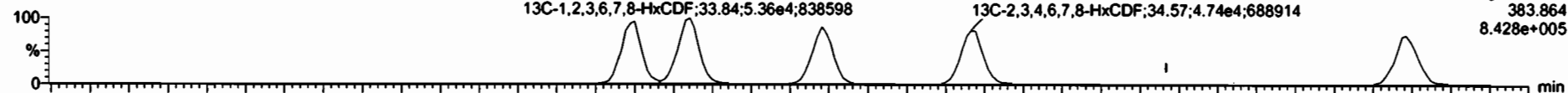
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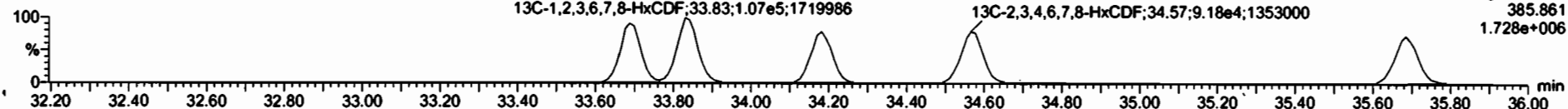


13C-1,2,3,4,7,8-HxCDF

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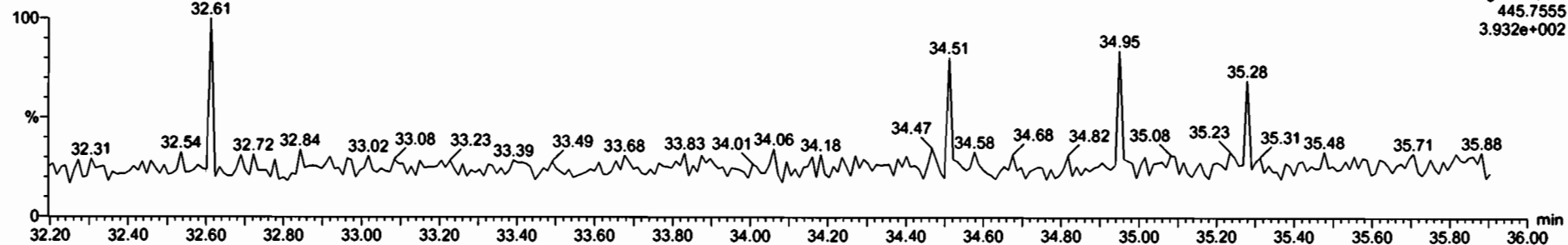


210409D1\_15



DPE3

210409D1\_15

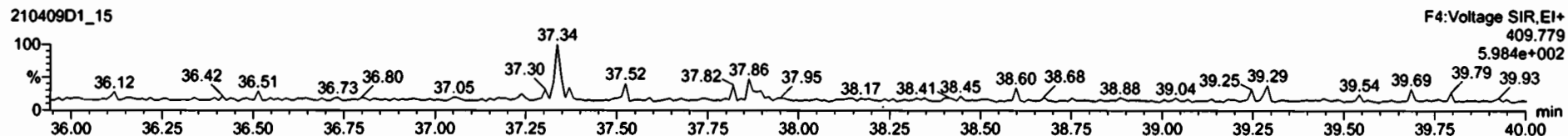
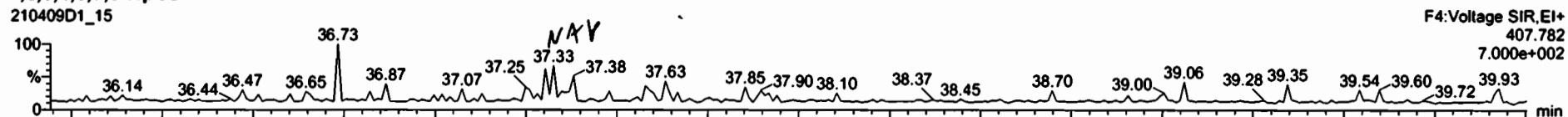


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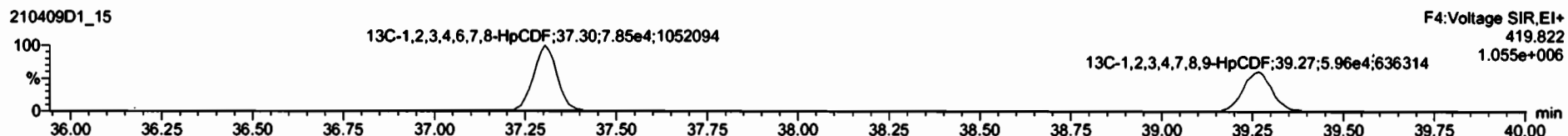
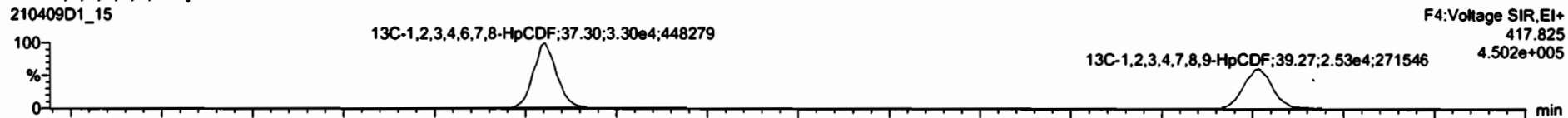
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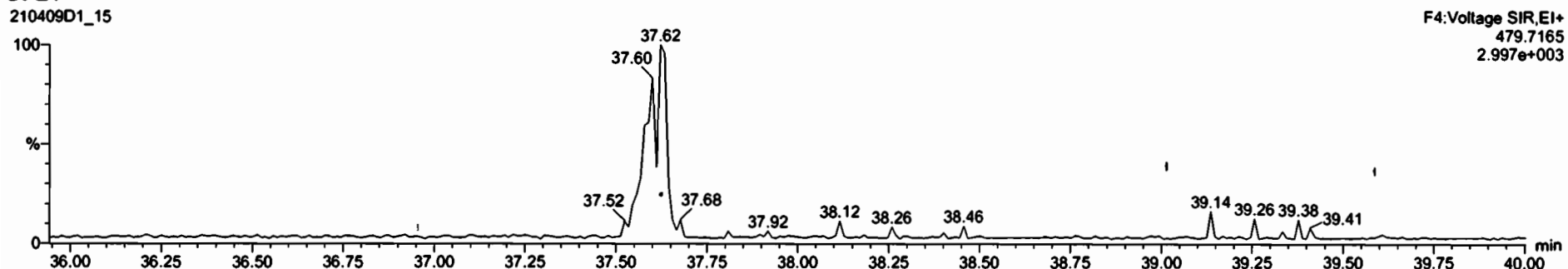
1,2,3,4,6,7,8-HpCDF



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



DPE4



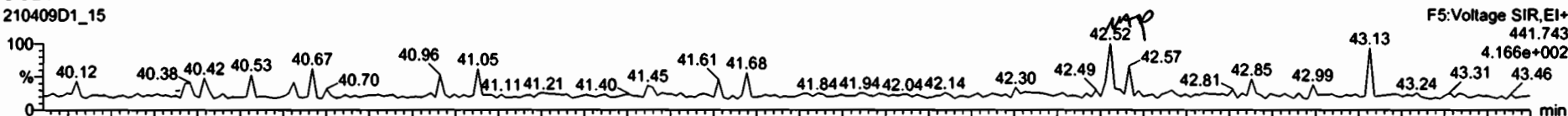
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

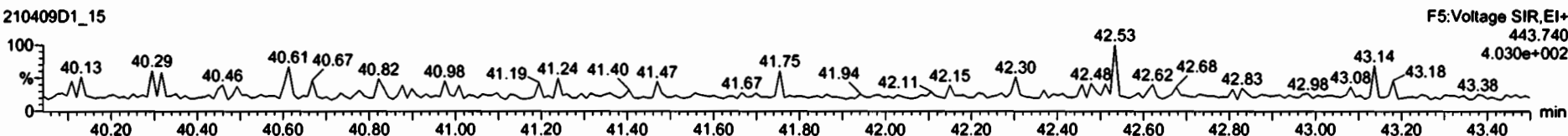
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OCDF

210409D1\_15



210409D1\_15

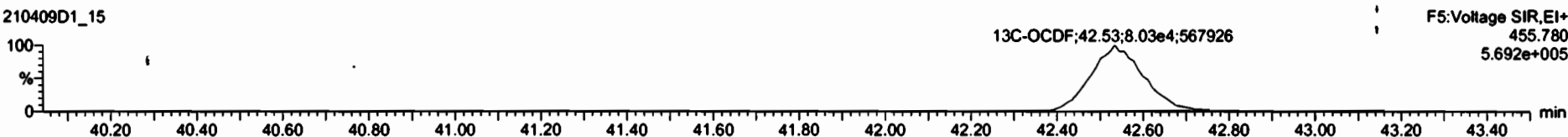


13C-OCDF

210409D1\_15

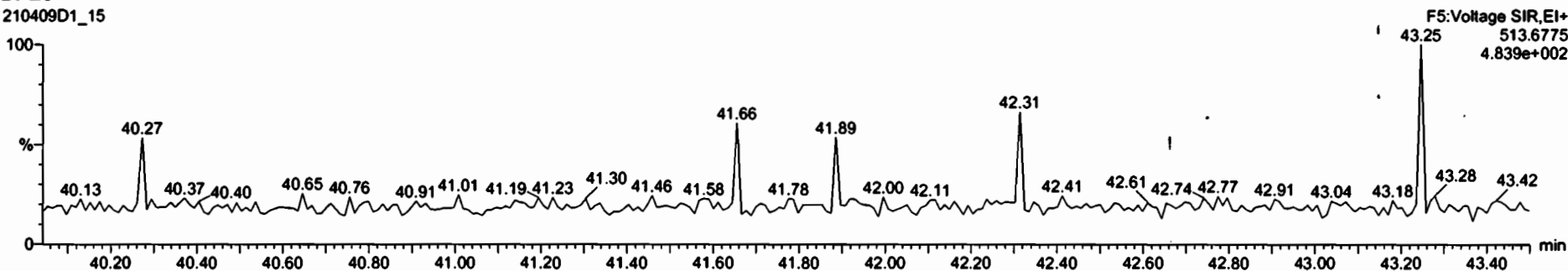


210409D1\_15



DPE5

210409D1\_15



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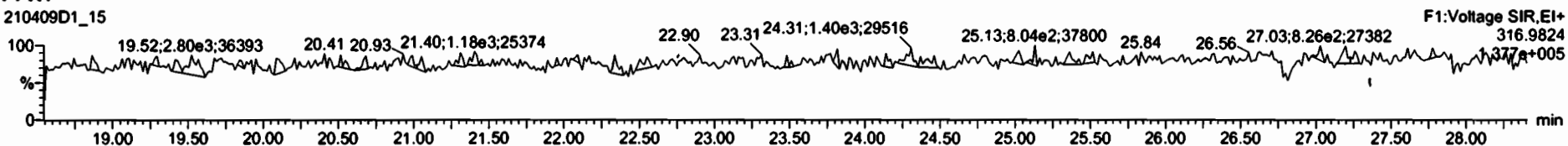
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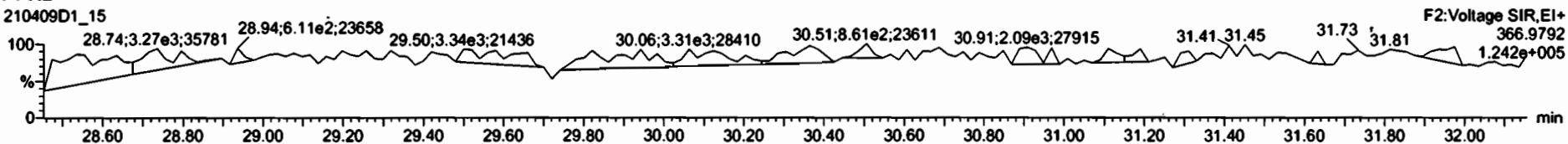
PFK1

210409D1\_15



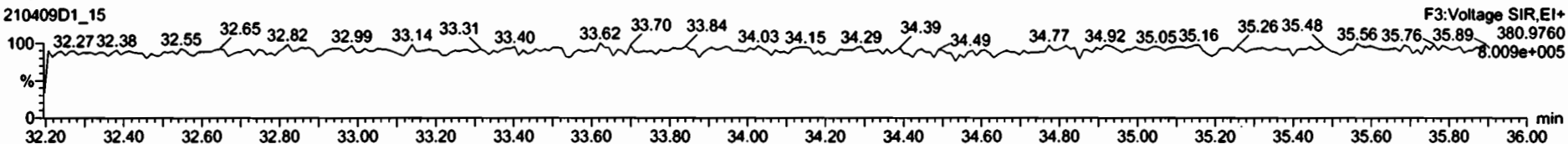
PFK2

210409D1\_15



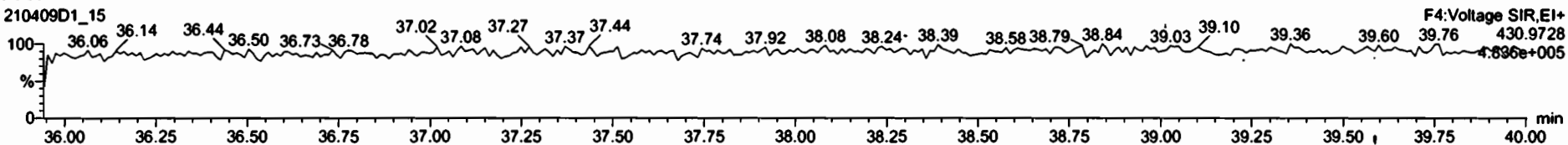
PFK3

210409D1\_15



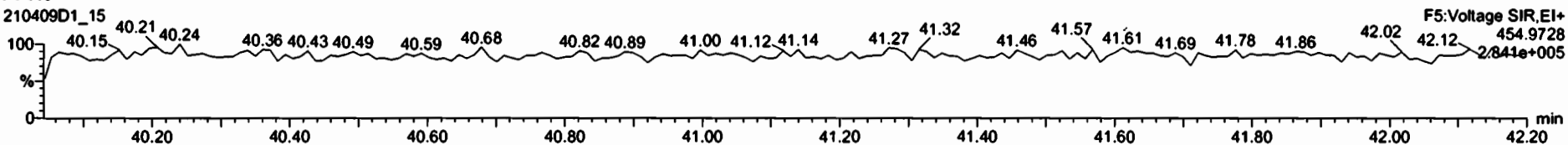
PFK4

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PFK5

210409D1\_15



**SAMPLE DATA – EPA METHOD 1699**

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Printed: Tuesday, April 20, 2021 15:53:11 Pacific Daylight Time

*DF 04/20/21*  
*OC 04/26/21*

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Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

*CT 04/26/2021*

Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...		2.27e5		NO	0.860	1.000			1.000	YES			2.90	
2	9 Aldrin		1.80e5		NO	1.09	1.000			1.001	YES			0.932	
3	10 Oxychlorane		4.88e4		NO	1.06	1.000			1.001	YES			3.01	
4	13 trans-Chlordane (g...		4.31e4		NO	1.14	1.000			1.001	YES			2.92	
5	14 trans-Nonachlor		4.89e4		NO	1.06	1.000			1.000	YES			2.96	
6	15 cis-Chlordane		4.89e4		NO	1.16	1.000			1.016	YES			2.69	
7	18 2,4'-DDE		1.22e6		NO	1.02	1.000			1.000	YES			1.00	
8	19 4,4'-DDE		8.50e5		NO	1.04	1.000			1.000	YES			1.42	
9	20 Dieldrin		1.15e5		NO	1.03	1.000			1.001	YES			0.927	
10	22 cis-Nonachlor		5.35e4		NO	1.00	1.000			1.000	YES			1.90	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_7.qld

Last Altered: Tuesday, April 20, 2021 15:52:47 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:53:20 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD		1.06e6		NO	1.07	1.000			1.000	YES			1.77	
2	25 2,4'-DDT		4.59e5		NO	1.05	1.000			1.000	YES			4.35	
3	26 4,4'-DDD		8.18e5		NO	1.16	1.000			1.000	YES			1.96	
4	27 4,4'-DDT		3.58e5		NO	1.13	1.000			1.001	YES			4.95	
5	36 13C6-Lindane (ga...	2.27e5	1.56e6	0.78	NO	0.194	1.000	26.57	1.019	1.019	NO	751.19	75.1	3.47	
6	40 13C12-Aldrin	1.80e5	1.56e6	1.58	NO	0.154	1.000	30.80	1.181	1.181	NO	749.85	75.0	1.64	
7	41 13C10-Oxychlorda...	4.88e4	1.56e6	1.58	NO	0.0404	1.000	33.35	1.279	1.280	NO	774.01	77.4	6.25	



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_7.qld

Last Altered: Tuesday, April 20, 2021 15:52:47 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:53:27 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	4.31e4	1.56e6	1.56	NO	0.0358	1.000	35.05	1.344	1.344	NO	771.87	77.2	7.05	
2	44 13C10-trans-Nona...	4.89e4	8.22e5	1.76	NO	0.0638	1.000	35.22	0.983	0.983	NO	932.73	93.3	4.21	
3	46 13C12-2,4'-DDE	1.22e6	8.22e5	1.60	NO	1.43	1.000	35.69	0.996	0.995	NO	1038.8	104	1.22	
4	47 13C12-4,4'-DDE	8.50e5	8.22e5	1.58	NO	0.995	1.000	36.75	1.025	1.026	NO	1039.7	104	1.76	
5	48 13C12-Dieldrin	1.15e5	8.22e5	1.45	NO	0.146	1.000	37.26	1.039	1.040	NO	956.67	95.7	2.42	
6	50 13C10-cis-Nonach...	5.35e4	8.22e5	1.58	NO	0.0791	1.000	38.94	1.086	1.087	NO	823.25	82.3	4.47	
7	52 13C12-2,4'-DDD	1.06e6	8.22e5	1.59	NO	1.35	1.000	37.89	1.057	1.057	NO	953.52	95.4	1.87	
8	53 13C12-2,4'-DDT	4.59e5	8.22e5	1.63	NO	0.962	1.000	39.00	1.088	1.089	NO	580.02	58.0	2.63	
9	54 13C12-4,4'-DDD	8.18e5	8.22e5	1.59	NO	1.12	1.000	39.14	1.092	1.092	NO	885.79	88.6	2.25	
10	55 13C12-4,4'-DDT	3.58e5	8.22e5	1.54	NO	0.735	1.000	40.20	1.121	1.122	NO	592.34	59.2	3.44	
11	62 13C-PCB-15	1.56e6	1.56e6	1.54	NO	1.00	1.000	26.07	1.000	1.000	NO	1000.0	100	0.470	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_7.qld

Last Altered: Tuesday, April 20, 2021 15:52:47 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:53:31 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	8.22e5	8.22e5	0.80	NO	1.00	1.000	35.85	1.000	1.000	NO	1000.0	100	0.712	

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

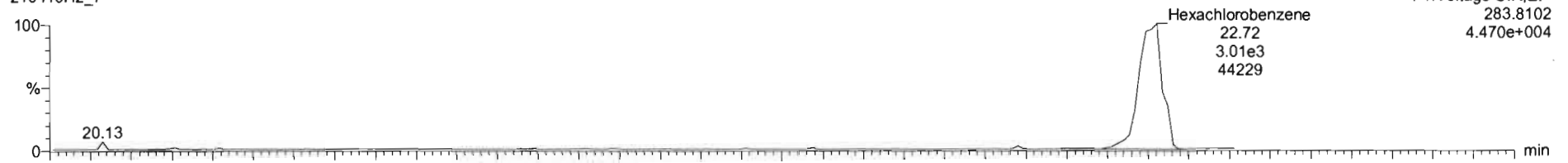
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

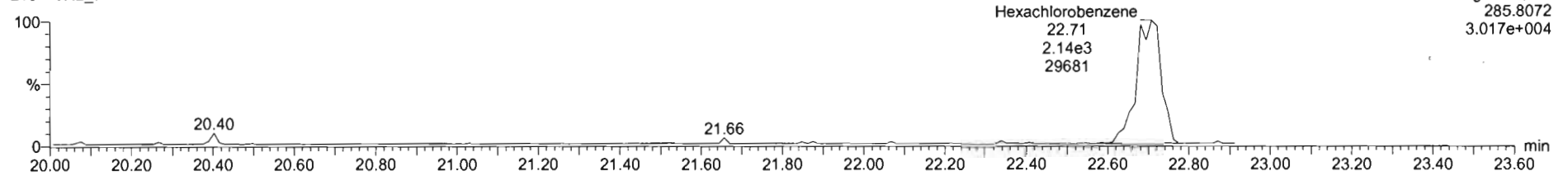
Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank

Hexachlorobenzene

210416H2\_7

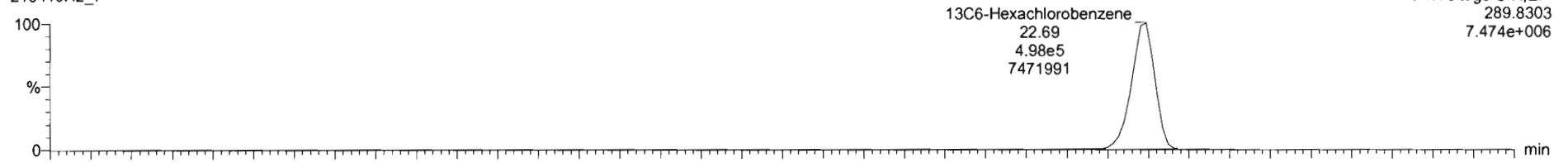


210416H2\_7

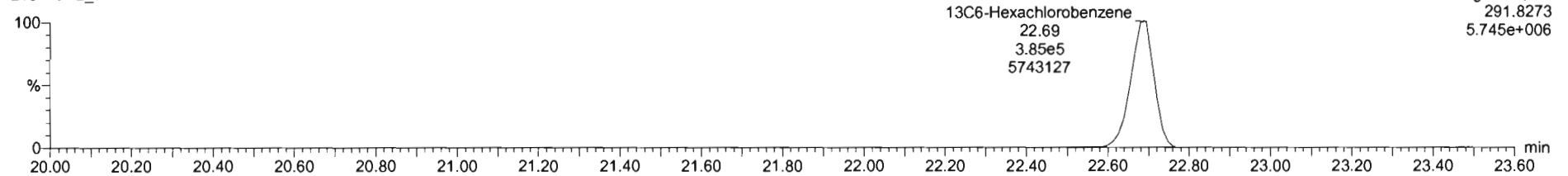


13C6-Hexachlorobenzene

210416H2\_7



210416H2\_7



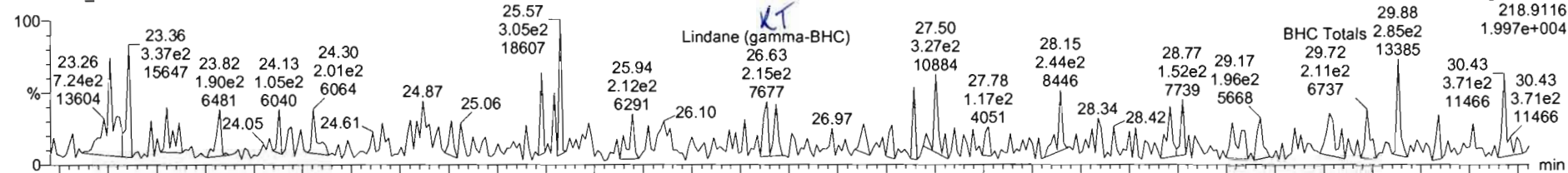
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

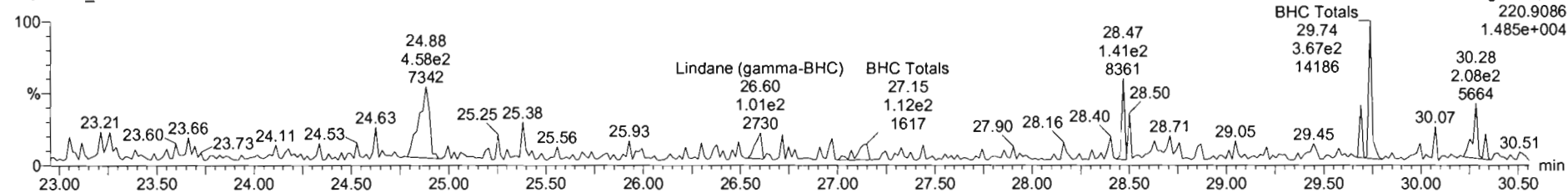
Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank

**BHC Totals**

210416H2\_7

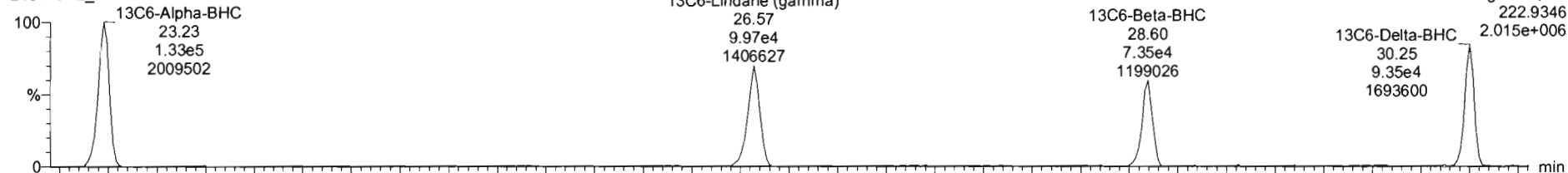


210416H2\_7

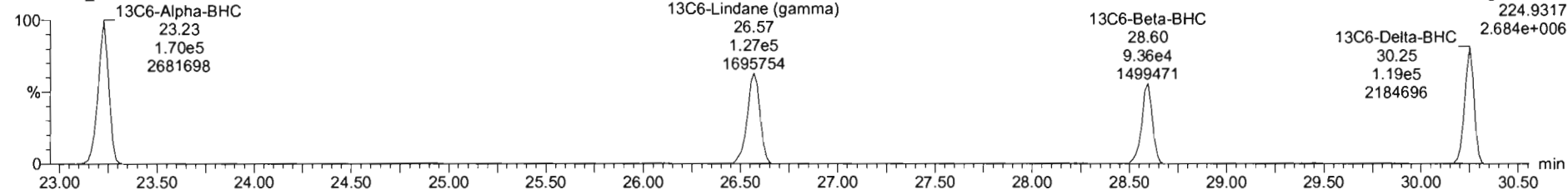


**BHC-isotopes**

210416H2\_7



210416H2\_7



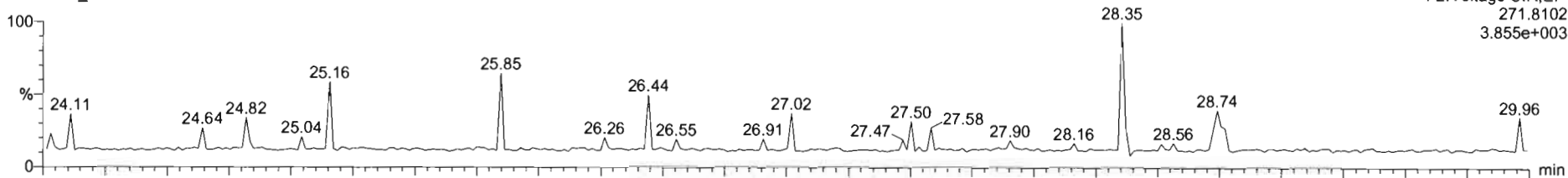
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

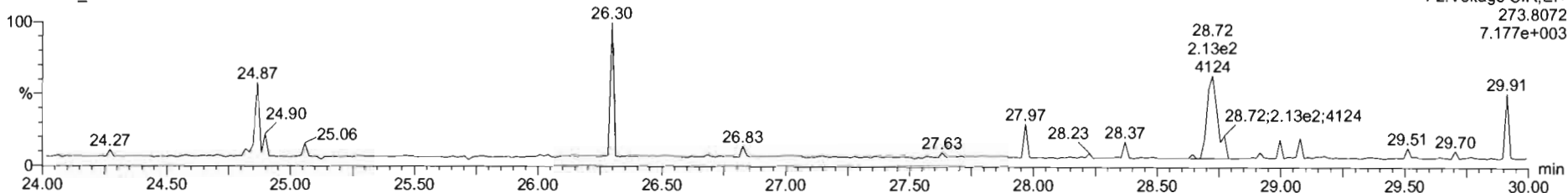
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Heptachlor

210416H2\_7

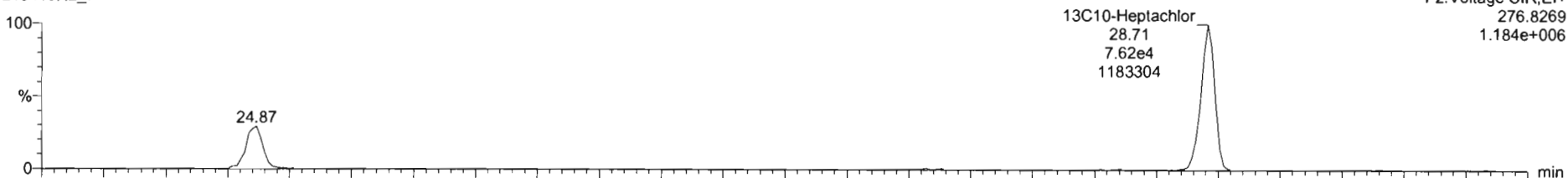


210416H2\_7

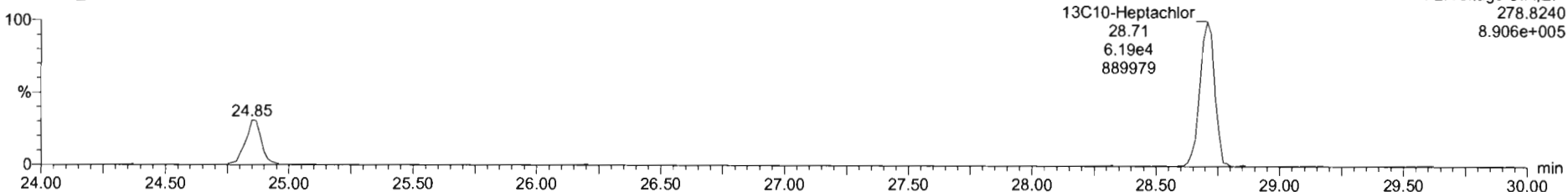


13C10-Heptachlor

210416H2\_7



210416H2\_7



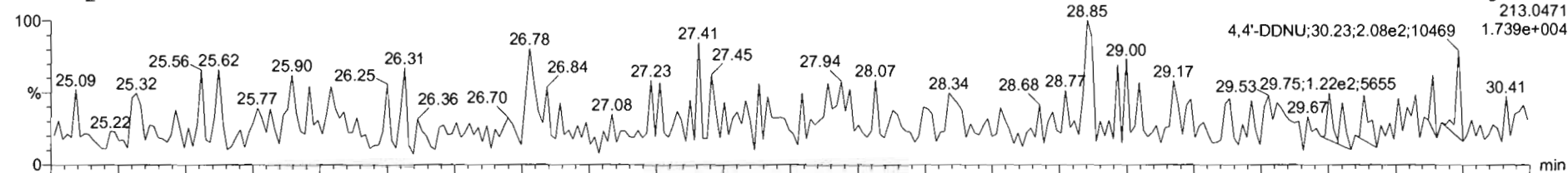
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

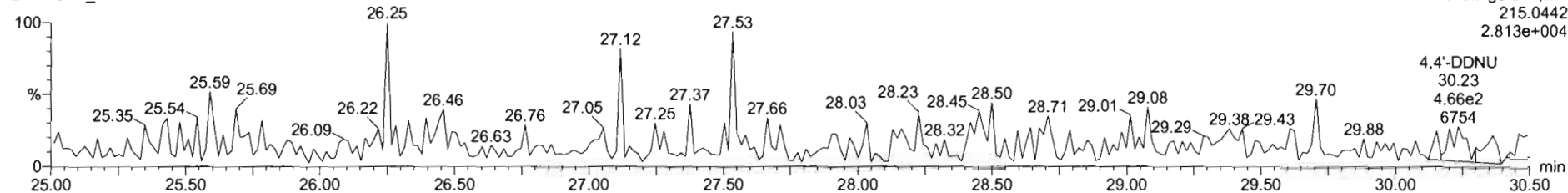
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### 4,4'-DDNU

210416H2\_7

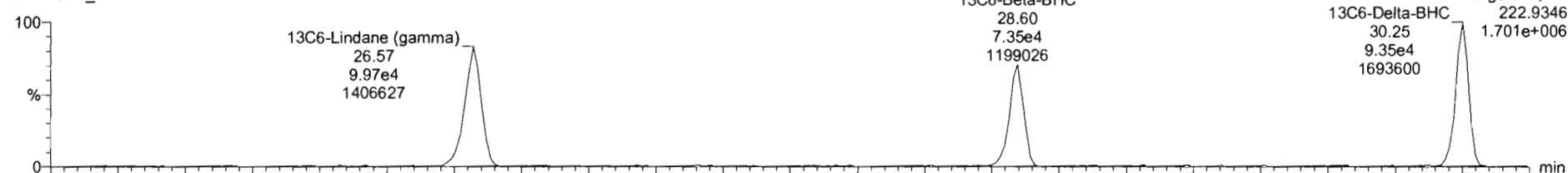


210416H2\_7

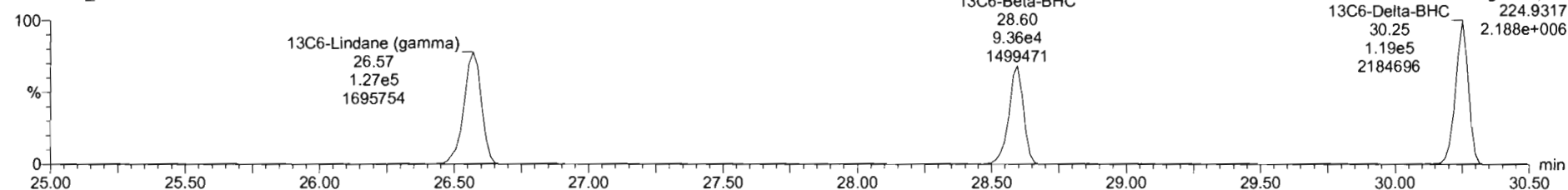


### 13C6-Delta-BHC

210416H2\_7



210416H2\_7



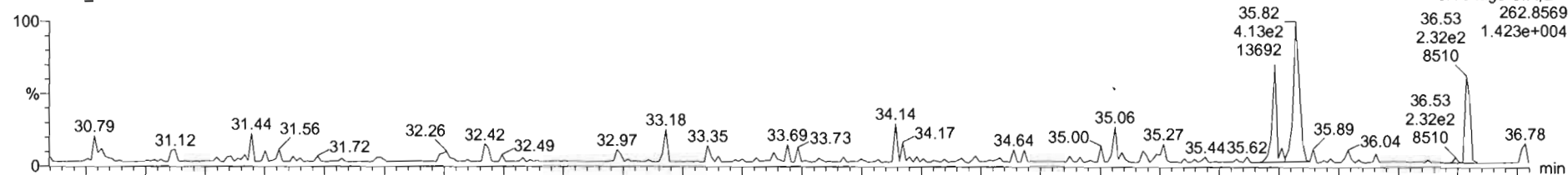
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

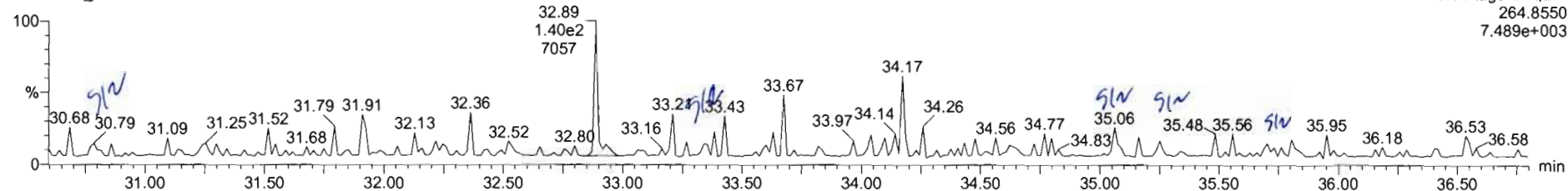
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**Aldrin-EI**

210416H2\_7

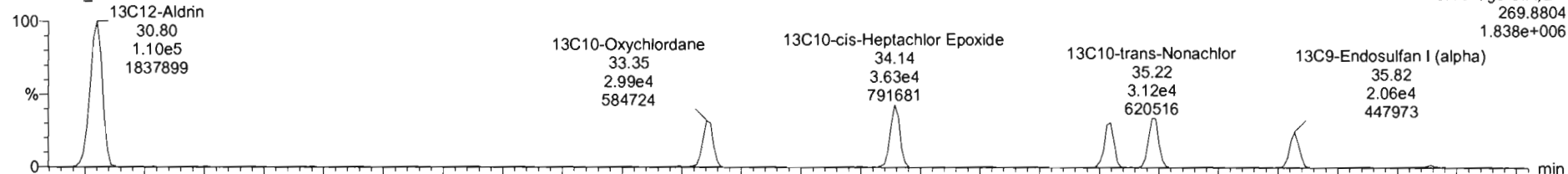


210416H2\_7

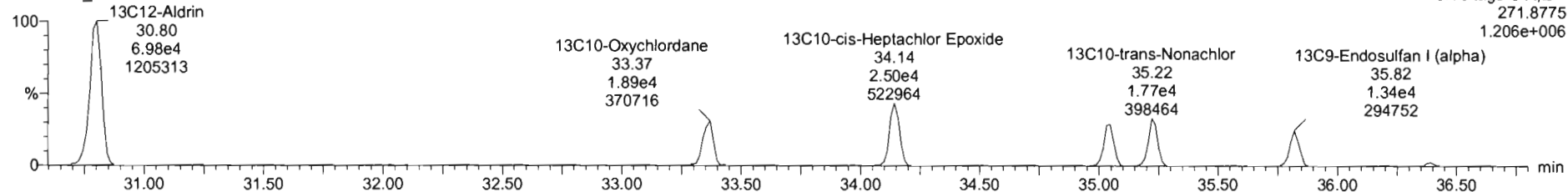


**Aldrin-EI-isotopes**

210416H2\_7

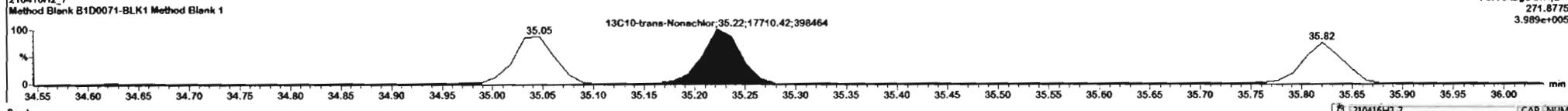
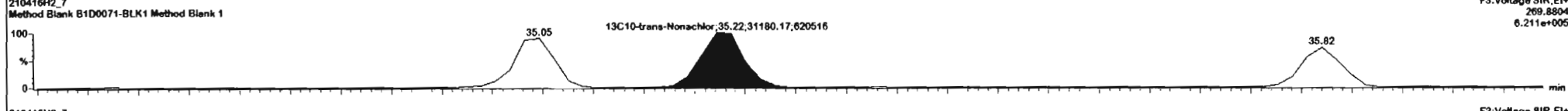
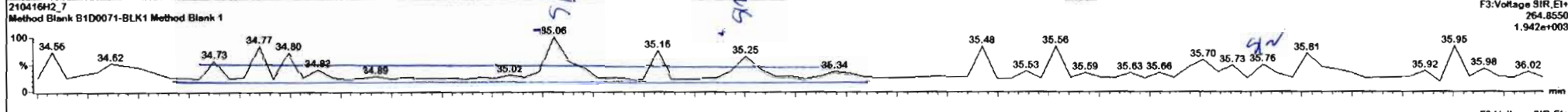
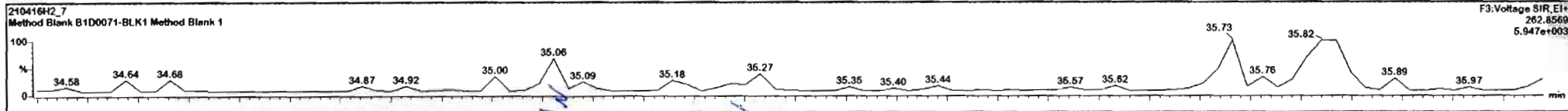


210416H2\_7





Name	Conc	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	ES	RA	Y/N	RRT	Acq Date	Acq Time	1 <sup>st</sup> Ch Name	O	Sample Text	Factor1	SWI	Cal File
1 Hexachlorobutadiene	978.149	1.18		399.332	1.879e4	0.102	9.99	1	33	0.294	YES	1.000	16-Apr-21	15:41:37	314.656	B1D0071-B...	Method Blank	0.0	1.00	db-50...
2 Hexachlorobenzene	5.92256	0.0891		5.92256	5.145e3	0.984	22.72	2	34	1.405	NO	1.001	16-Apr-21	15:41:37	368.309	B1D0071-B...	Method Blank	0.0	1.00	db-50...
3 Alpha-BHC		2.11				0.827		3	35		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B...	Method Blank	0.0	1.00	db-50...
4 Lindane (gamma-BHC)		2.90				0.860		4	36		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B...	Method Blank	0.0	1.00	db-50...
5 Beta-BHC		2.93				0.998		5	37		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B...	Method Blank	0.0	1.00	db-50...
6 Delta-BHC		2.28				0.907		6	38		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B...	Method Blank	0.0	1.00	db-50...
7 Heptachlor		0.385				1.100		7	39		NO		16-Apr-21	15:41:37	463.487	B1D0071-B...	Method Blank	0.0	1.00	db-50...
8 4,4'-DDNU	2.53373	3.06		1.03259	8.740e2	1.251	30.24	8	38	0.447	YES	0.999	16-Apr-21	15:41:37	6381.822	B1D0071-B...	Method Blank	0.0	1.00	db-50...
9 Aldrin		0.932				1.092		9	40		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
10 Dieldrin		3.01				1.062		10	41		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
11 cis-Heptachlor Epoxide		2.12				1.075		11	42		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
12 trans-Heptachlor Epoxide		7.85				0.291		12	42		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
13 trans-Chlordane (gamma)		2.92				1.136		13	43		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
14 trans-Nonachlor		2.96				1.059		14	44		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
15 cis-Chlordane		2.88				1.185		15	44		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
16 Endosulfan I (alpha)		3.36				1.229		16	45		NO		16-Apr-21	15:41:37	850.739	B1D0071-B...	Method Blank	0.0	1.00	db-50...
17 4,4'-DDMU	0.842438	0.940		0.395273	4.226e2		35.50	17	48	0.582	YES	0.995	16-Apr-21	15:41:37	4345.082	B1D0071-B...	Method Blank	0.0	1.00	db-50...
18 2,4'-DDE	0.754368	1.00		0.472246	9.461e2	1.025	35.70	18	46	0.612	YES	1.000	16-Apr-21	15:41:37	18342.945	B1D0071-B...	Method Blank	0.0	1.00	db-50...
19 4,4'-DDE	5.10141	1.42		4.18443	4.498e3	1.038	36.77	19	47	0.999	YES	1.000	16-Apr-21	15:41:37	18342.945	B1D0071-B...	Method Blank	0.0	1.00	db-50...
20 Dieldrin	3.49092	0.927		2.86214	4.132e2	1.030	37.29	20	48	0.998	YES	1.001	16-Apr-21	15:41:37	1263.692	B1D0071-B...	Method Blank	0.0	1.00	db-50...





Dataset: Untitled

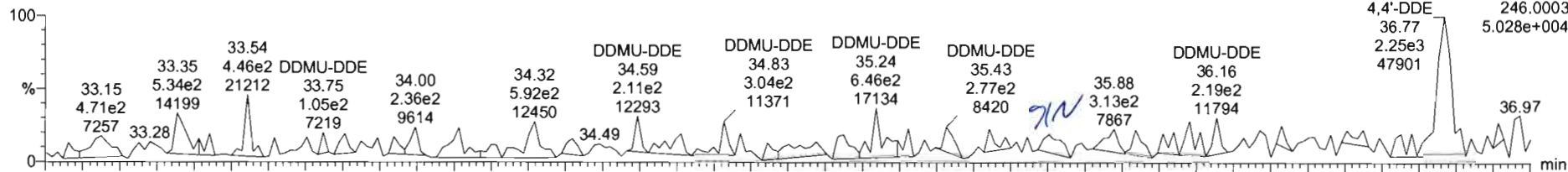
Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

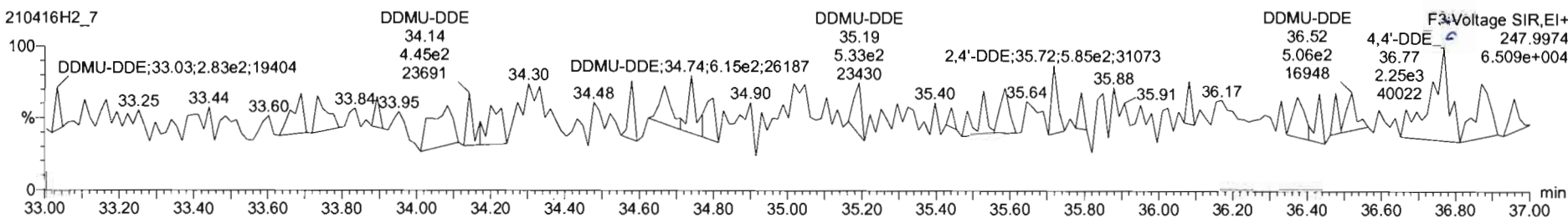
Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank

DDMU-DDE

210416H2\_7

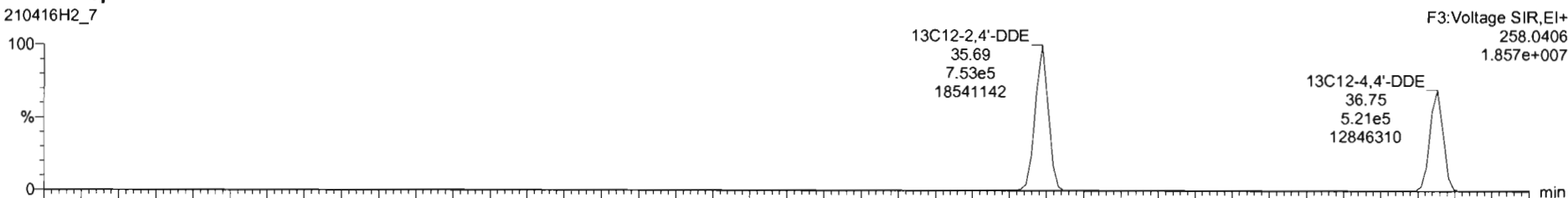


210416H2\_7

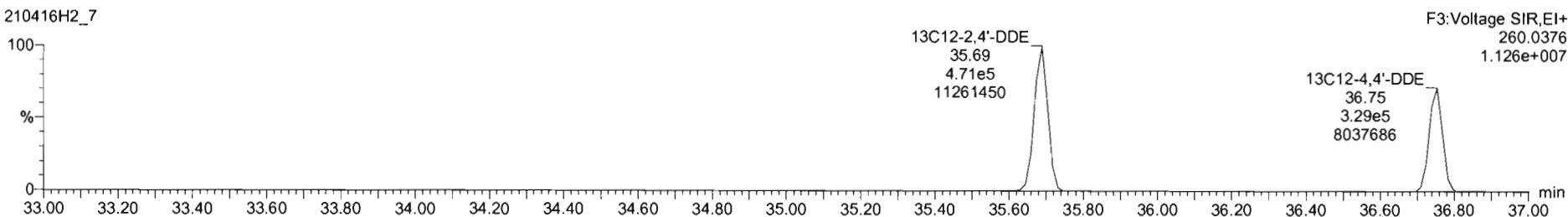


DDE-isotopes

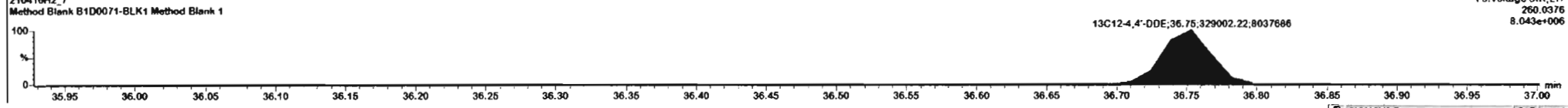
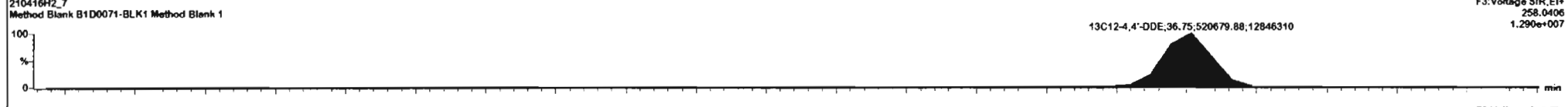
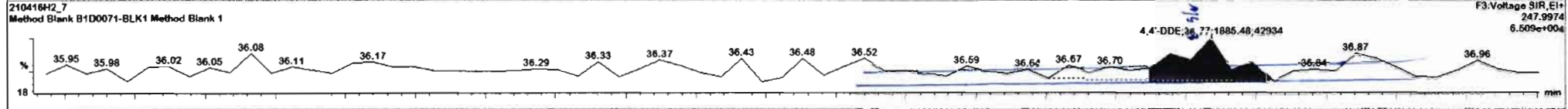
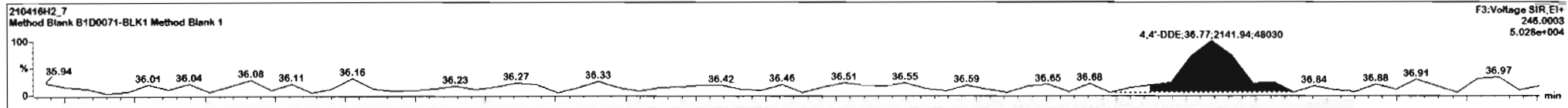
210416H2\_7



210416H2\_7



Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	SA	RA	Y/N	RRT	Acq Date	Acq Time	1 <sup>st</sup> Chr Noise	D	Sample Text	Factor1	SWI	Cal File
1 Hexachlorobutadiene	976.149	1.18		399.332	1.879e4	0.102	9.99	1	33	0.294	YES	1.000	16-Apr-21	15:41:37	314.656	B1D0071-B	Method Blank	0.0	1.00	db-50
2 Hexachlorobenzene	5.92256	0.0691		5.92256	5.145e3	0.984	22.72	2	34	1.405	NO	1.001	16-Apr-21	15:41:37	368.309	B1D0071-B	Method Blank	0.0	1.00	db-50
3 Alpha-BHC		2.11				0.827		3	35		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B	Method Blank	0.0	1.00	db-50
4 Lindane (gamma-BHC)		2.90				0.860		4	36		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B	Method Blank	0.0	1.00	db-50
5 Beta-BHC		2.93				0.998		5	37		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B	Method Blank	0.0	1.00	db-50
6 Delta-BHC		2.28				0.907		6	38		NO		16-Apr-21	15:41:37	1725.742	B1D0071-B	Method Blank	0.0	1.00	db-50
7 Heptachlor		0.385				1.100		7	39		NO		16-Apr-21	15:41:37	463.487	B1D0071-B	Method Blank	0.0	1.00	db-50
8 4,4'-DDMU	2.53373	3.06		1.03259	8.740e2	1.251	30.24	8	38	0.447	YES	0.999	16-Apr-21	15:41:37	6381.822	B1D0071-B	Method Blank	0.0	1.00	db-50
9 Aldrin		0.932				1.092		9	40		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
10 Oryzchlordan		3.01				1.062		10	41		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
11 cis-Heptachlor Epoxide		2.12				1.075		11	42		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
12 trans-Heptachlor Epoxide		7.85				0.291		12	42		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
13 trans-Chlordane (gamma)		2.92				1.136		13	43		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
14 trans-Nonachlor		2.96				1.059		14	44		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
15 cis-Chlordane		2.89				1.165		15	44		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
16 Endosulfan I (alpha)		3.36				1.229		16	45		NO		16-Apr-21	15:41:37	850.739	B1D0071-B	Method Blank	0.0	1.00	db-50
17 4,4'-DDMU	0.842438	0.940		0.395273	4.226e2		35.50	17	46	0.552	YES	0.995	16-Apr-21	15:41:37	4345.092	B1D0071-B	Method Blank	0.0	1.00	db-50
18 2,4'-DDE		1.00				1.025		18	46		NO		16-Apr-21	15:41:37	18342.945	B1D0071-B	Method Blank	0.0	1.00	db-50
19 4,4'-DDE	4.58736	1.42		3.98621	4.827e3	1.038	36.77	19	47	1.138	YES	1.000	16-Apr-21	15:41:37	18342.945	B1D0071-B	Method Blank	0.0	1.00	db-50
20 Dieldrin	3.49092	0.927		2.86214	4.132e2	1.030	37.29	20	48	0.998	YES	1.001	16-Apr-21	15:41:37	1263.692	B1D0071-B	Method Blank	0.0	1.00	db-50

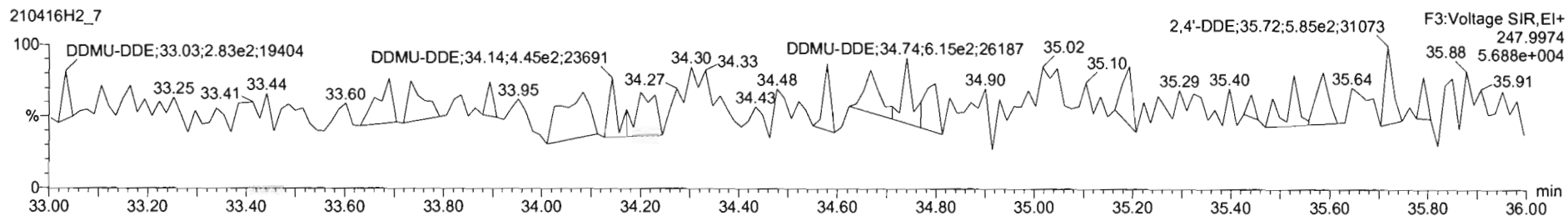
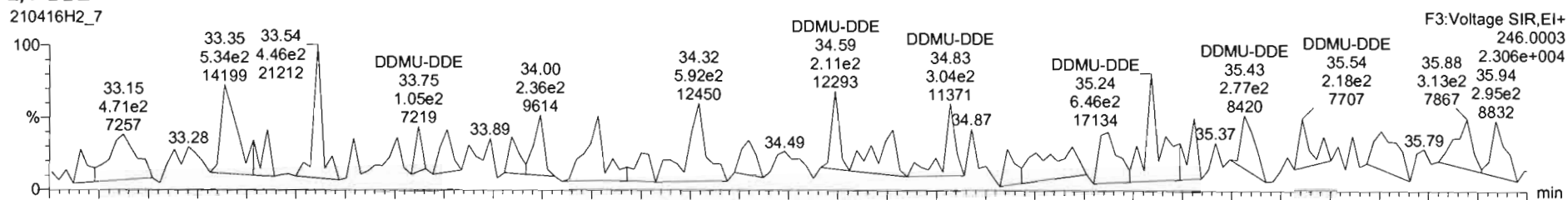


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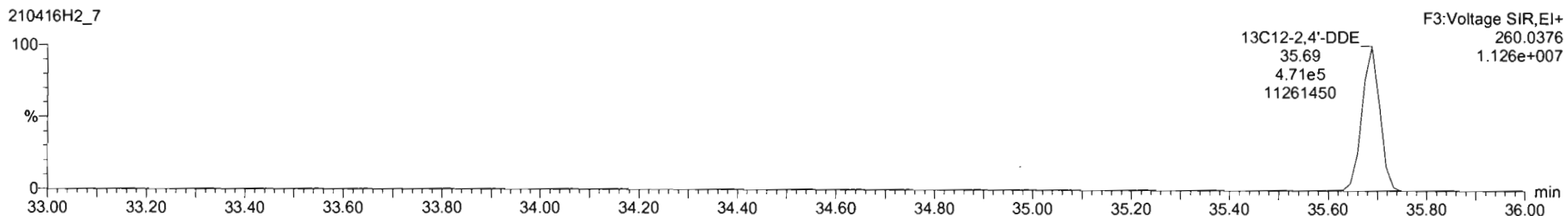
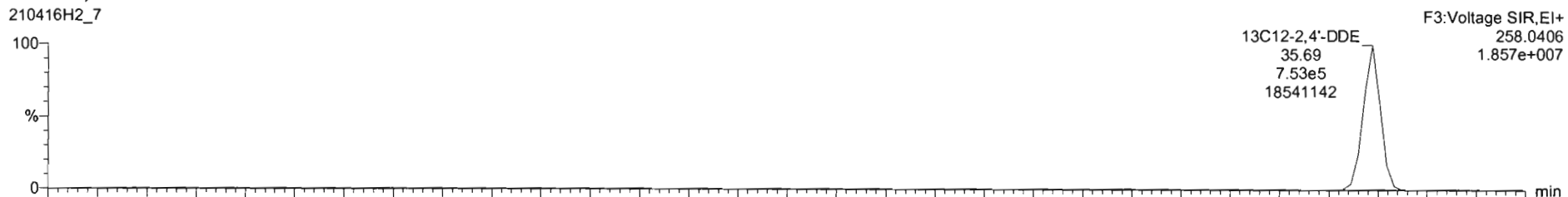
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank

2,4'-DDE



13C12-2,4'-DDE



Dataset: Untitled

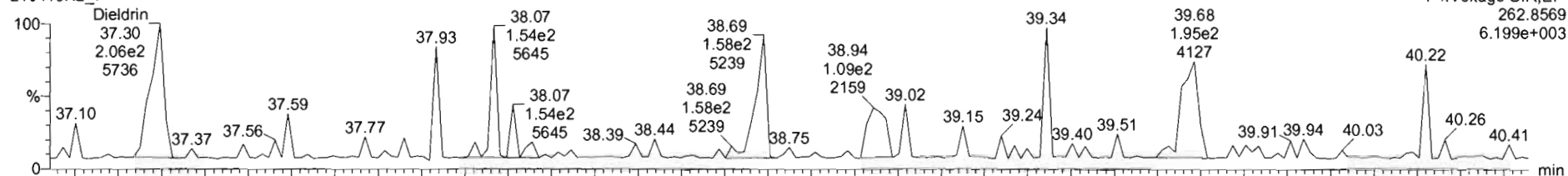
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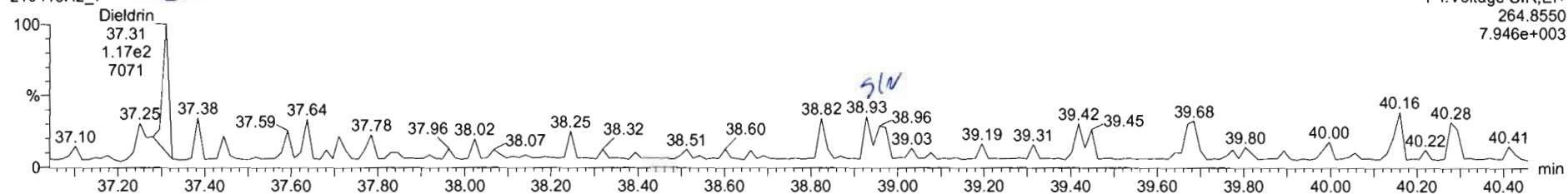
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Dieldrin-EII

210416H2\_7

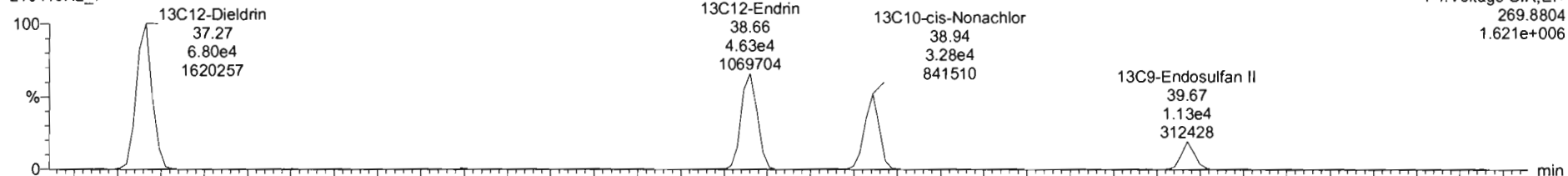


210416H2\_7

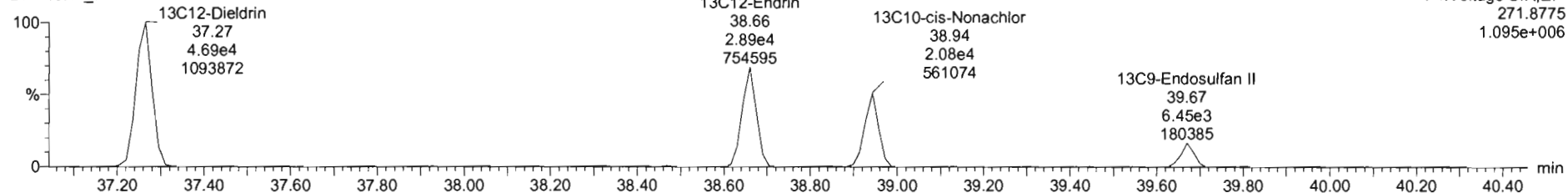


Dieldrin-EII-isotopes

210416H2\_7

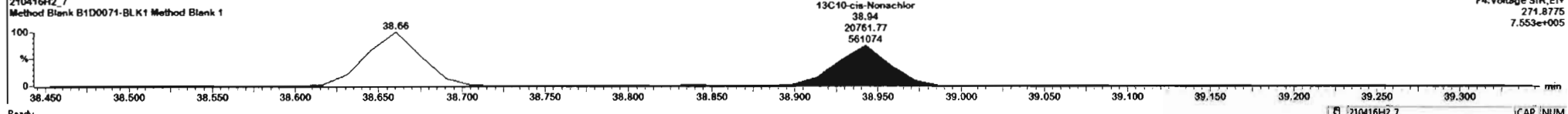
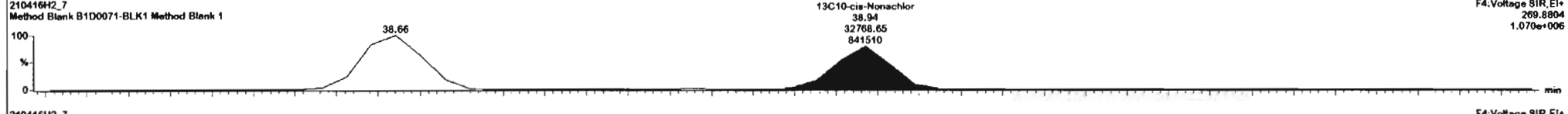
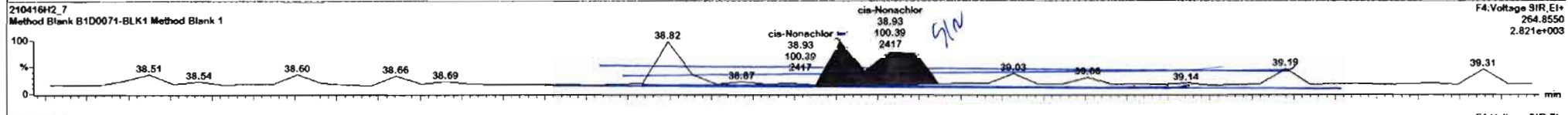
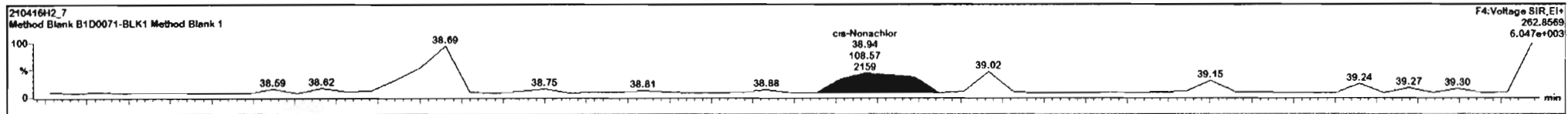


210416H2\_7



210416H2\_7 - B1D0071-BLK1 Method Blank 1 - Method Blank

#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DDE		1.22e6		NO	1.02	1.0000		35.69		1.000	YES			1.00	
19	4,4'-DDE	4.03e3	8.50e5	1.14	YES	1.04	1.0000	36.77	36.75	1.000	1.000	NO	4.567		1.42	3.99
20	Dieldrin		1.15e5		NO	1.03	1.0000		37.30		1.001	YES			0.927	
21	Endrin		7.52e4		NO	1.01	1.0000		38.70		1.001	YES			1.49	
22	cis-Nonachlor	2.09e2	5.38e4	1.08	YES	1.00	1.0000	38.94	38.94	1.000	1.000	NO	3.902		1.90	3.33
23	Endosulfan II (beta)		1.78e4		NO	1.07	1.0000		39.67		1.000	YES			4.98	
24	2,4'-DDD	9.21e2	1.06e6	0.24	YES	1.07	1.0000	37.84	37.89	0.999	1.000	NO	0.8148		1.77	0.260
25	2,4'-DDT	1.75e3	4.59e5	0.11	YES	1.05	1.0000	38.91	39.00	0.996	1.000	NO	3.648		4.35	0.593
26	4,4'-DDD	1.49e3	8.18e5	1.02	YES	1.16	1.0000	39.17	39.14	1.001	1.000	NO	1.561		1.96	1.29
27	4,4'-DDT		3.58e5		NO	1.13	1.0000		40.24		1.001	YES			4.95	
28	Endosulfan Sulfate		1.95e4		NO	1.04	1.0000		41.40		1.000	YES			5.51	
29	4,4'-Methoxychlor		2.99e6		NO	1.22	1.0000		43.24		1.000	YES			5.05	
30	Mirex		1.75e5		NO	1.03	1.0000		43.89		1.001	YES			1.02	
31	Endrin Aldehyde		2.01e5		NO	1.03	1.0000		40.78		1.000	YES			9.75	
32	Endrin Ketone		2.19e5		NO	0.93	1.0000		43.98		1.000	YES			8.50	
33	13C4-Hexachlorobutadi...	1.88e6	1.56e6	1.30	NO	0.16	1.0000	9.99	9.98	0.383	0.383	NO	7525	75.3	0.430	
34	13C6-Hexachlorobenze	8.83e5	1.56e6	1.30	NO	0.87	1.0000	22.69	22.71	0.870	0.871	NO	653.8	65.4	0.0743	
35	13C6-Alpha-BHC	3.03e5	1.56e6	0.79	NO	0.26	1.0000	23.23	23.22	0.891	0.891	NO	752.9	75.3	2.61	
36	13C6-Lindane (gamma)	2.27e5	1.56e6	0.78	NO	0.19	1.0000	26.57	26.56	1.019	1.019	NO	751.2	75.1	3.47	
37	13C6-Beta-BHC	1.67e5	1.56e6	0.79	NO	0.14	1.0000	28.60	28.59	1.097	1.097	NO	746.2	74.6	4.68	





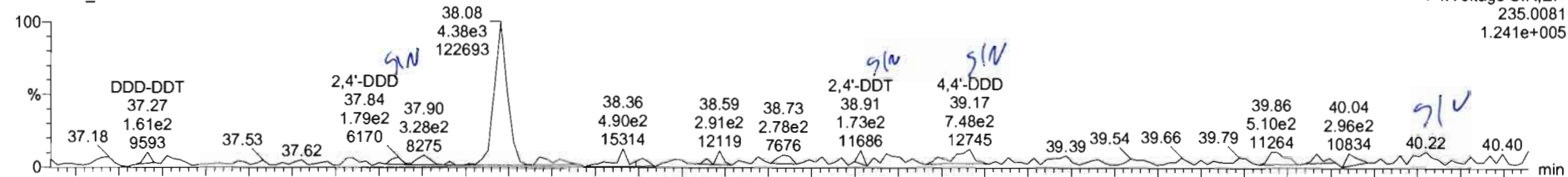
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

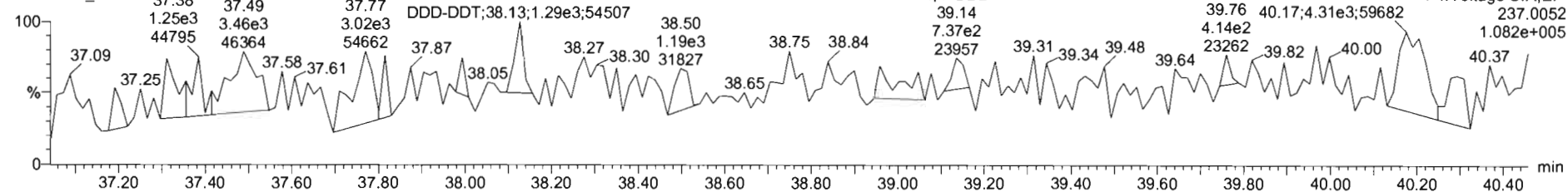
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DDD-DDT

210416H2\_7

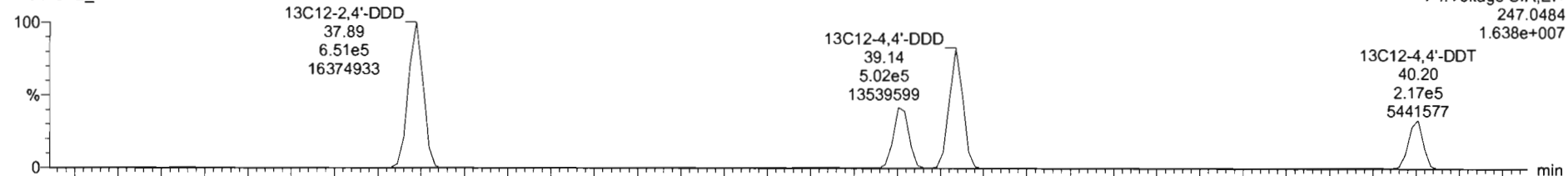


210416H2\_7

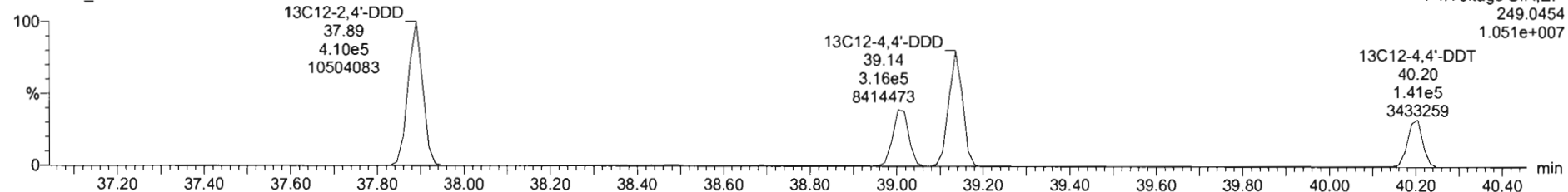


DDD-DDT-isotopes

210416H2\_7



210416H2\_7



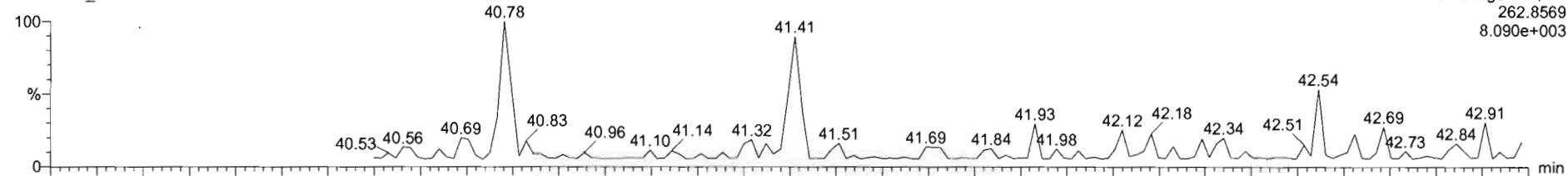
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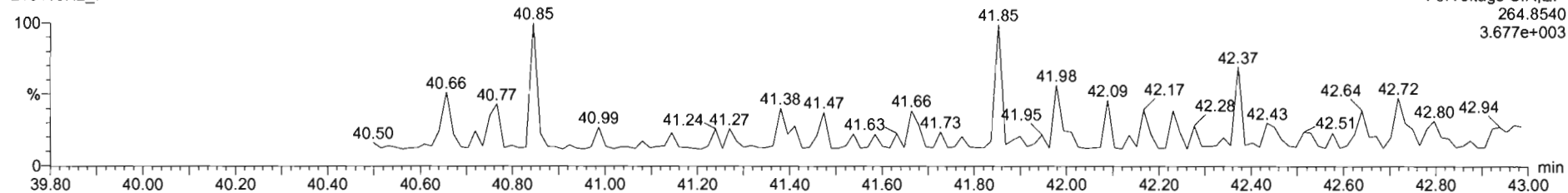
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Endosulfan Sulfate

210416H2\_7

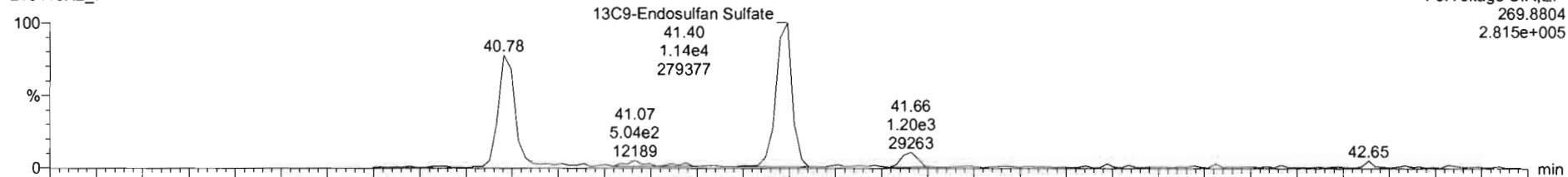


210416H2\_7

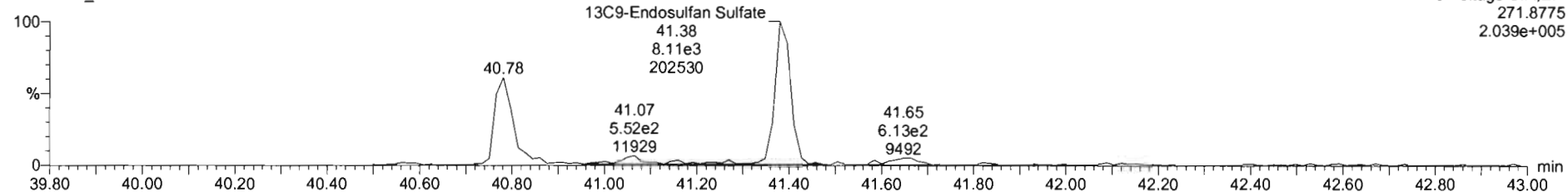


13C9-Endosulfan Sulfate

210416H2\_7



210416H2\_7



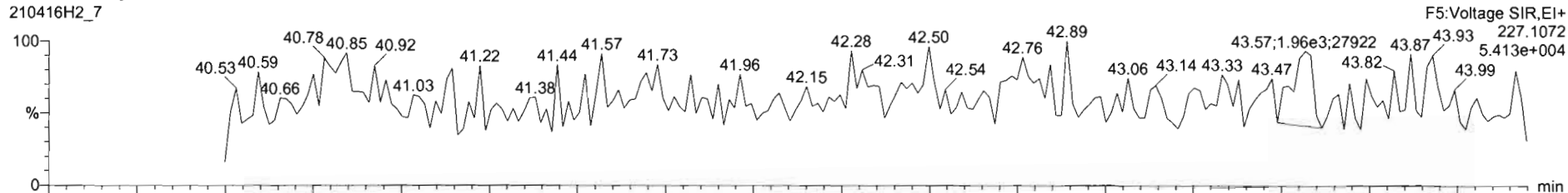
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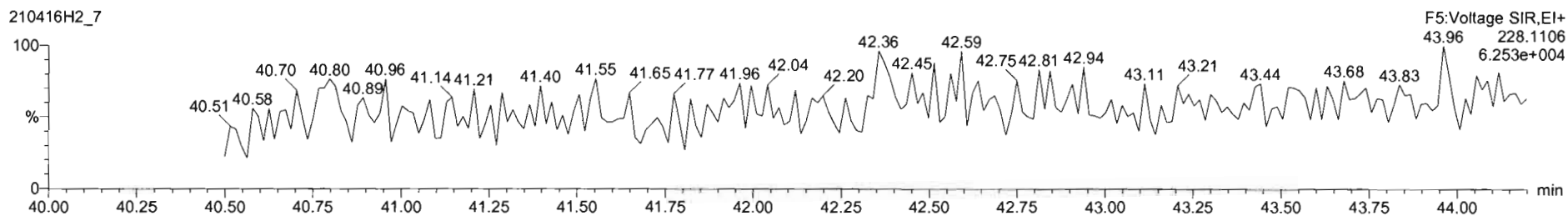
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4,4'-Methoxychlor

210416H2\_7

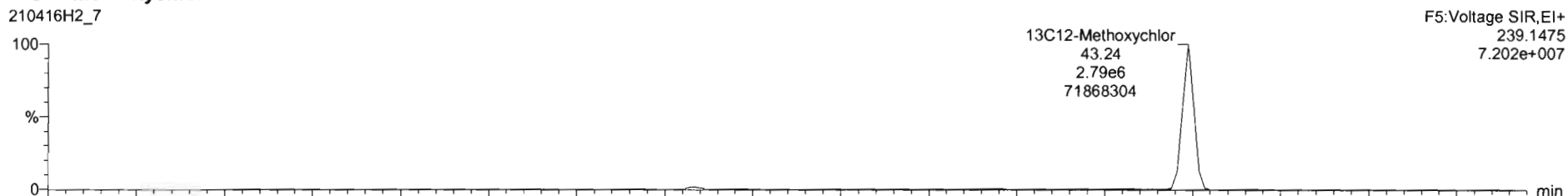


210416H2\_7

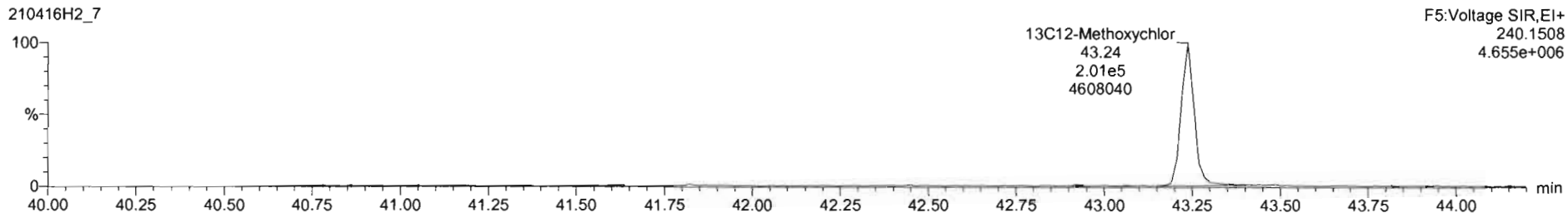


13C12-Methoxychlor

210416H2\_7



210416H2\_7

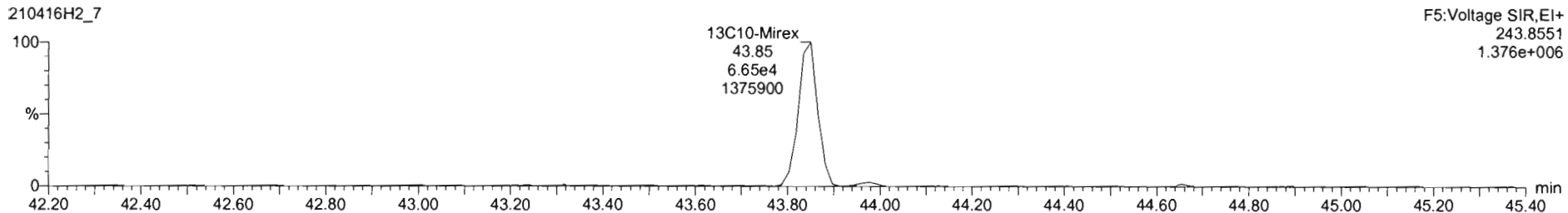
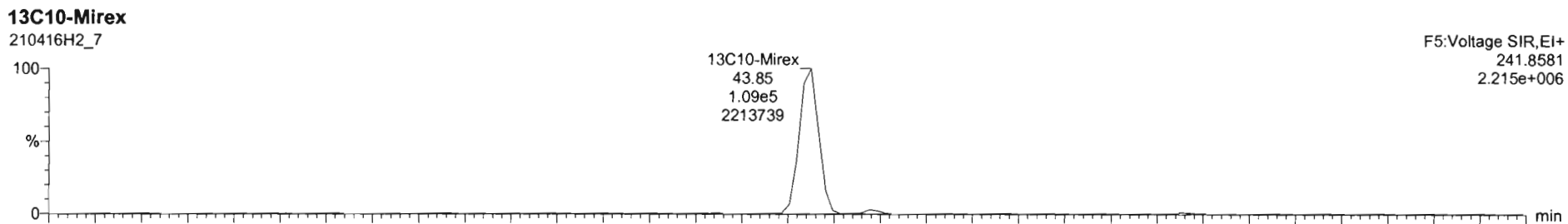
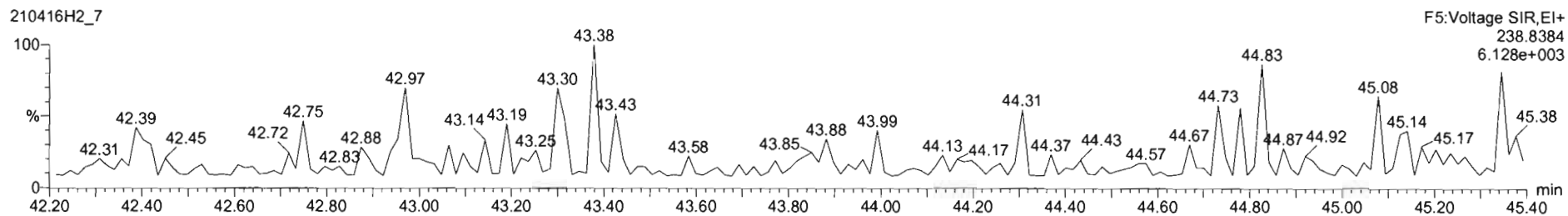
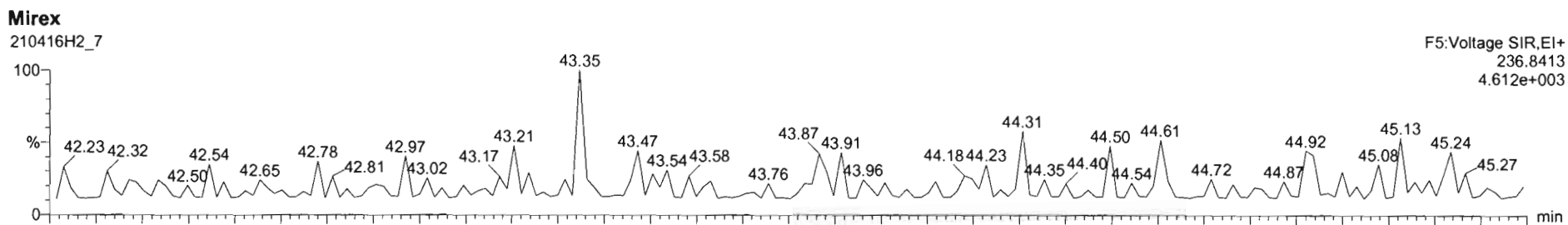




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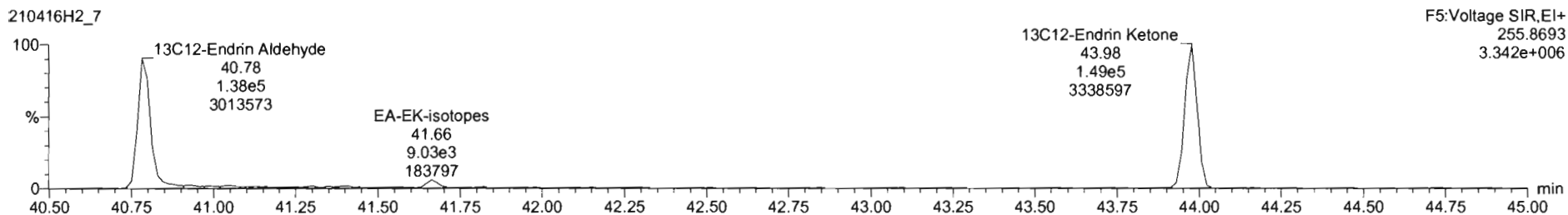
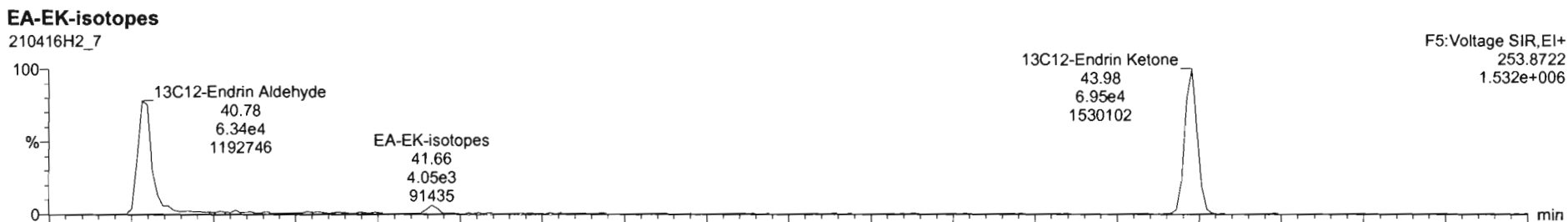
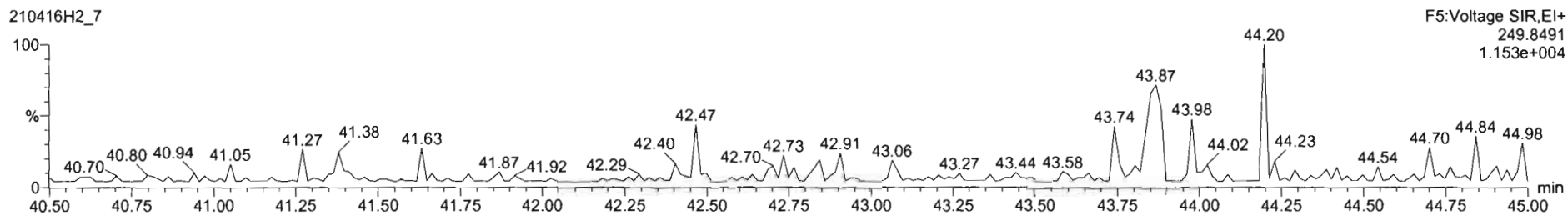
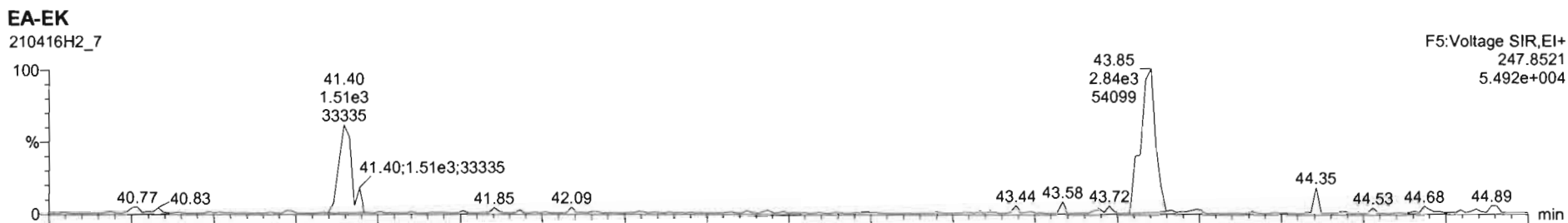
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Dataset: Untitled

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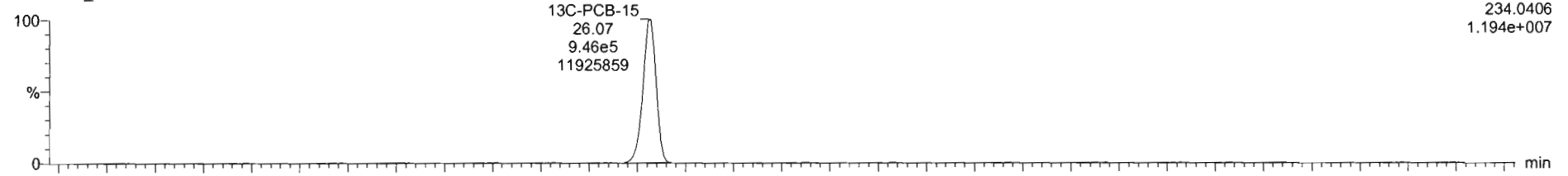
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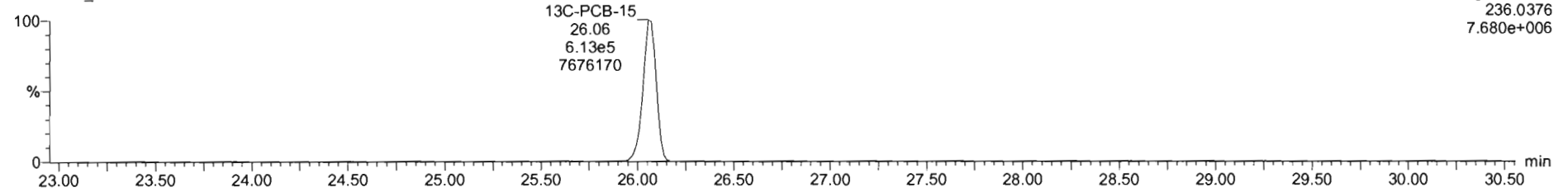
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**13C-PCB-15**

210416H2\_7

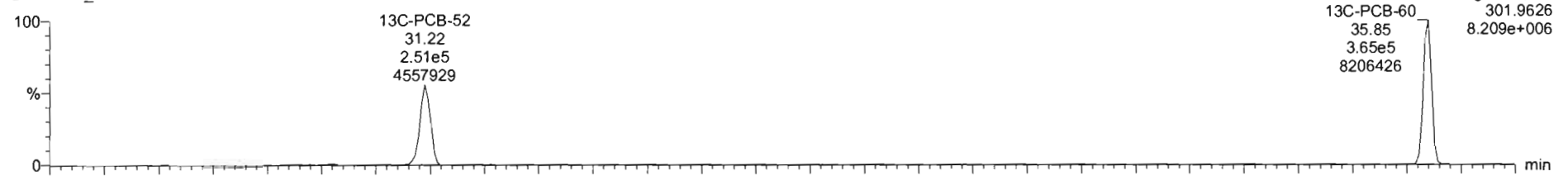


210416H2\_7

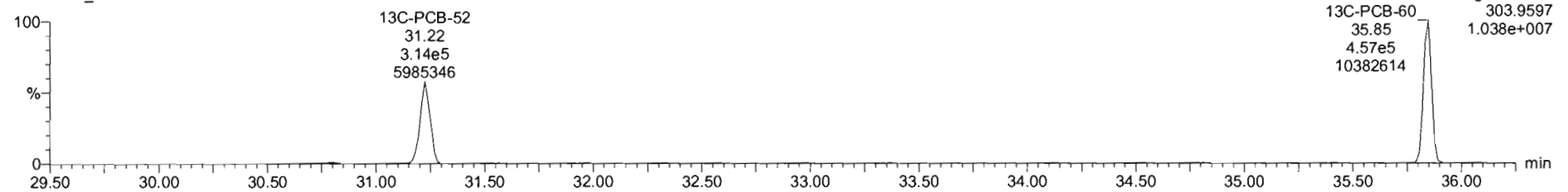


**13C-PCB-60**

210416H2\_7



210416H2\_7



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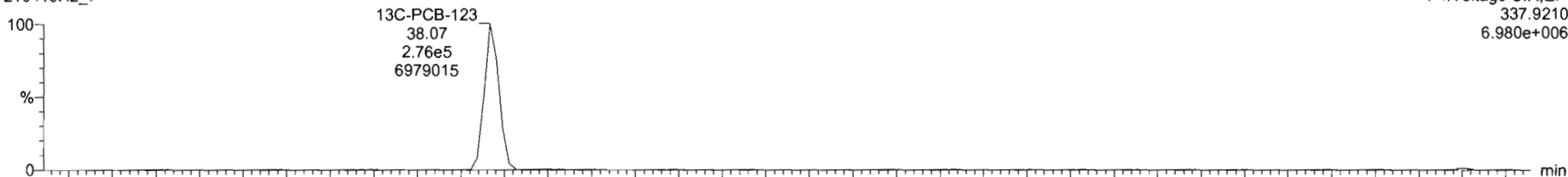
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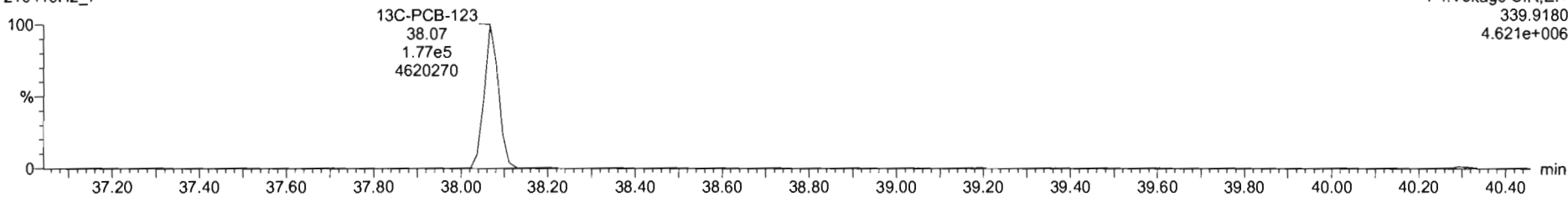
**13C-PCB-123**

210416H2\_7



F4:Voltage SIR,EI+  
337.9210  
6.980e+006

210416H2\_7



F4:Voltage SIR,EI+  
339.9180  
4.621e+006

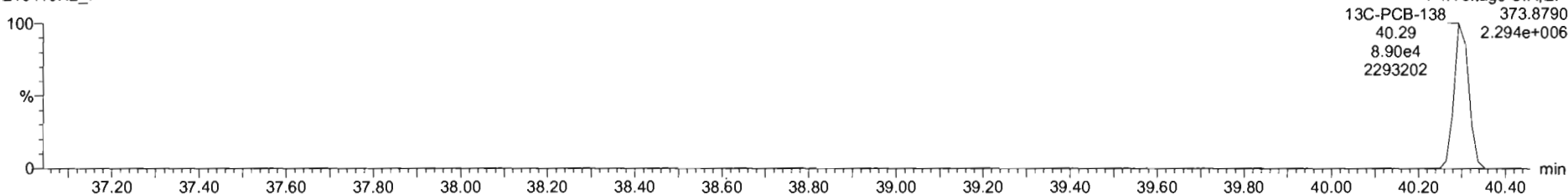
**13C-PCB-138**

210416H2\_7



F4:Voltage SIR,EI+  
13C-PCB-138 371.8820  
40.29 2.975e+006  
1.21e5  
2973726

210416H2\_7



F4:Voltage SIR,EI+  
13C-PCB-138 373.8790  
40.29 2.294e+006  
8.90e4  
2293202

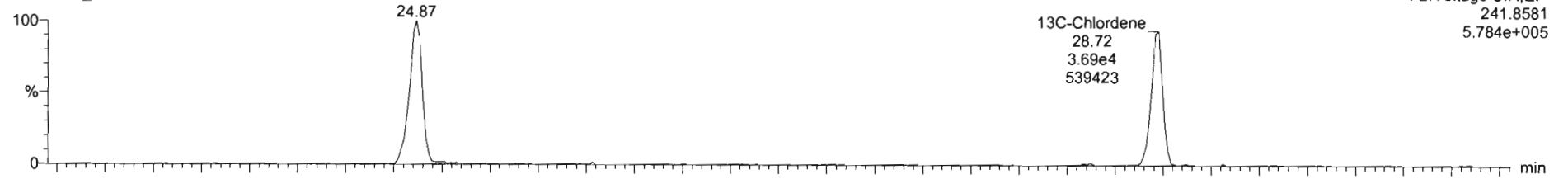
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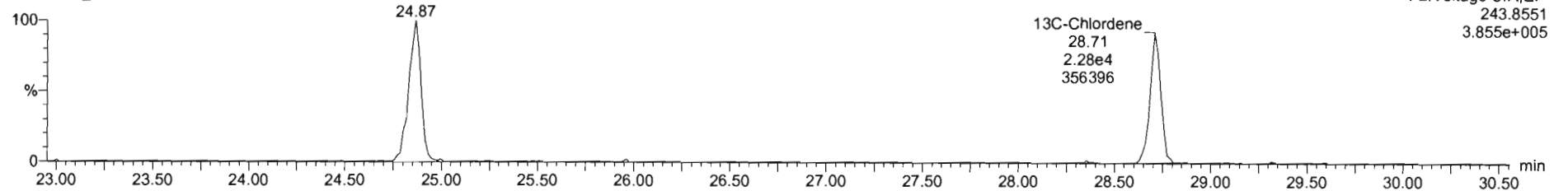
13C-Chlordene

210416H2\_7



F2: Voltage SIR, EI+  
241.8581  
5.784e+005

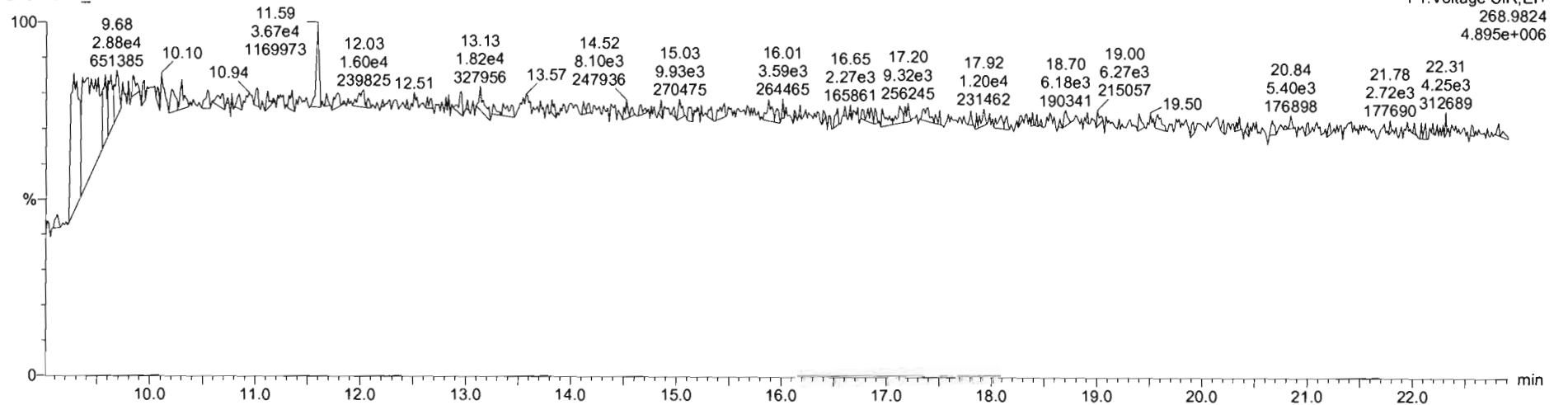
210416H2\_7



F2: Voltage SIR, EI+  
243.8551  
3.855e+005

PFK1

210416H2\_7

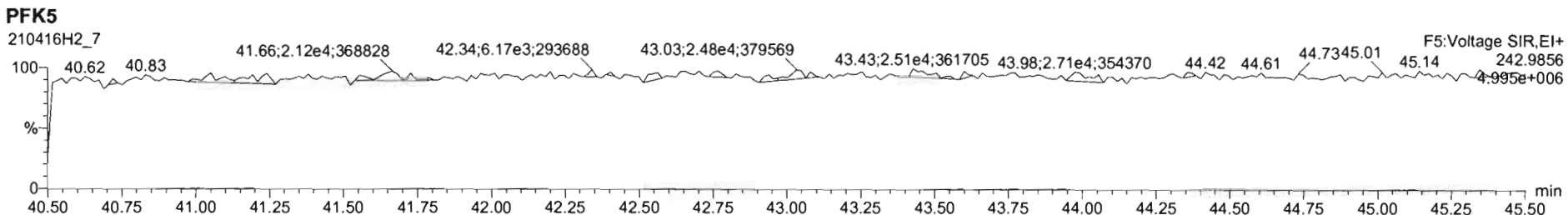
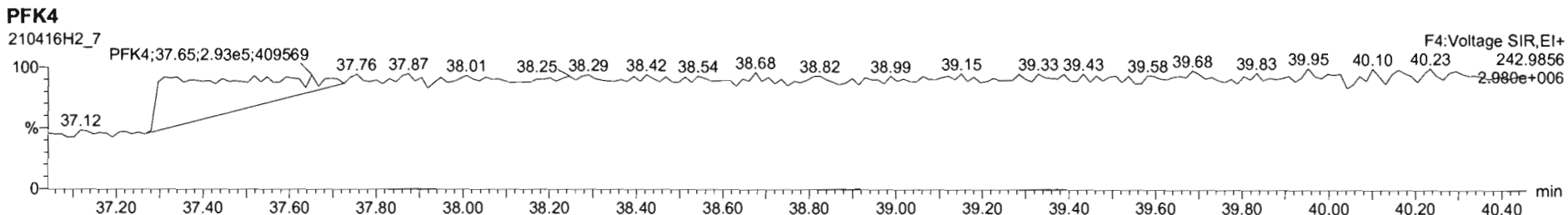
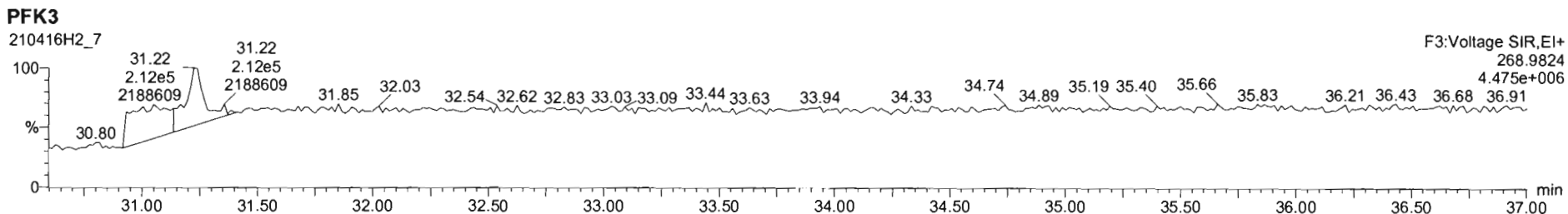
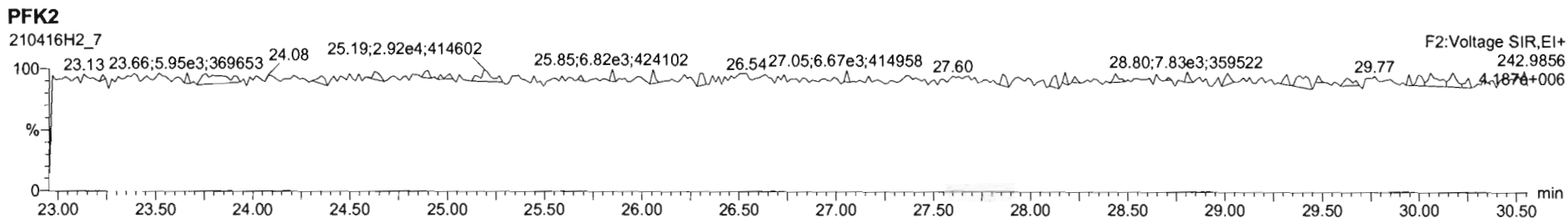


F1: Voltage SIR, EI+  
268.9824  
4.895e+006

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_7, Date: 16-Apr-2021, Time: 15:41:37, ID: B1D0071-BLK1 Method Blank 1, Description: Method Blank



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_5.qld

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*DF04/20/21*  
*OC04/26/21*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

*CI04/26/2021*

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...	2.47e5	2.79e5	2.14	NO	0.860	1.000	26.59	1.001	1.000	NO	1028.7		3.58	1030
2	9 Aldrin	2.34e5	2.09e5	1.66	NO	1.09	1.000	30.82	1.001	1.001	NO	1024.7		1.51	1020
3	10 Oxychlordane	6.29e4	5.47e4	1.60	NO	1.06	1.000	33.38	1.001	1.001	NO	1084.7		5.11	1080
4	13 trans-Chlordane (g...	5.93e4	4.72e4	1.52	NO	1.14	1.000	35.06	1.001	1.001	NO	1105.3		5.39	1110
5	14 trans-Nonachlor	6.03e4	5.58e4	1.56	NO	1.06	1.000	35.24	1.000	1.000	NO	1019.6		4.33	1020
6	15 cis-Chlordane	6.88e4	5.58e4	1.55	NO	1.16	1.000	35.72	1.014	1.016	NO	1058.4		3.94	1060
7	18 2,4'-DDE	1.50e6	1.43e6	1.51	NO	1.02	1.000	35.69	1.000	1.000	NO	1020.8		1.09	1020
8	19 4,4'-DDE	1.15e6	1.08e6	1.54	NO	1.04	1.000	36.75	1.000	1.000	NO	1032.1		1.32	1030
9	20 Dieldrin	1.49e5	1.43e5	1.52	NO	1.03	1.000	37.28	1.001	1.001	NO	1010.6		1.91	1010
10	22 cis-Nonachlor	7.52e4	7.23e4	1.58	NO	1.00	1.000	38.94	1.000	1.000	NO	1039.5		3.58	1040

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_5.qld

Last Altered: Tuesday, April 20, 2021 15:35:09 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 16:13:08 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	1.50e6	1.38e6	1.54	NO	1.07	1.000	37.89	1.000	1.000	NO	1022.3		2.04	1020
2	25 2,4'-DDT	7.17e5	6.08e5	1.55	NO	1.05	1.000	39.02	1.000	1.000	NO	1126.2		4.48	1130
3	26 4,4'-DDD	1.28e6	1.11e6	1.56	NO	1.16	1.000	39.14	1.000	1.000	NO	991.88		2.25	992
4	27 4,4'-DDT	5.73e5	4.88e5	1.58	NO	1.13	1.000	40.21	1.000	1.001	NO	1036.6		4.76	1040
5	36 13C6-Lindane (ga...	2.79e5	1.84e6	0.78	NO	0.194	1.000	26.56	1.019	1.019	NO	784.28	78.4	4.15	
6	40 13C12-Aldrin	2.09e5	1.84e6	1.53	NO	0.154	1.000	30.79	1.182	1.181	NO	738.40	73.8	1.84	
7	41 13C10-Oxychlorda...	5.47e4	1.84e6	1.54	NO	0.0404	1.000	33.35	1.280	1.280	NO	735.99	73.6	7.01	



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_5.qld

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Printed: Tuesday, April 20, 2021 16:13:18 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	4.72e4	1.84e6	1.55	NO	0.0358	1.000	35.03	1.344	1.344	NO	716.96	71.7	7.91	
2	44 13C10-trans-Nona...	5.58e4	9.53e5	1.68	NO	0.0638	1.000	35.22	0.983	0.983	NO	918.01	91.8	4.32	
3	46 13C12-2,4'-DDE	1.43e6	9.53e5	1.60	NO	1.43	1.000	35.67	0.996	0.995	NO	1047.3	105	1.16	
4	47 13C12-4,4'-DDE	1.08e6	9.53e5	1.59	NO	0.995	1.000	36.74	1.025	1.026	NO	1136.8	114	1.67	
5	48 13C12-Dieldrin	1.43e5	9.53e5	1.60	NO	0.146	1.000	37.25	1.039	1.040	NO	1024.4	102	2.61	
6	50 13C10-cis-Nonach...	7.23e4	9.53e5	1.57	NO	0.0791	1.000	38.93	1.086	1.087	NO	958.53	95.9	4.82	
7	52 13C12-2,4'-DDD	1.38e6	9.53e5	1.56	NO	1.35	1.000	37.87	1.057	1.057	NO	1066.3	107	1.71	
8	53 13C12-2,4'-DDT	6.08e5	9.53e5	1.60	NO	0.962	1.000	39.00	1.088	1.089	NO	662.65	66.3	2.41	
9	54 13C12-4,4'-DDD	1.11e6	9.53e5	1.57	NO	1.12	1.000	39.12	1.092	1.092	NO	1032.3	103	2.06	
10	55 13C12-4,4'-DDT	4.88e5	9.53e5	1.60	NO	0.735	1.000	40.19	1.122	1.122	NO	695.97	69.6	3.15	
11	62 13C-PCB-15	1.84e6	1.84e6	1.61	NO	1.00	1.000	26.06	1.000	1.000	NO	1000.0	100	0.538	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_5.qld

Last Altered: Tuesday, April 20, 2021 15:35:09 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 16:13:21 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	9.53e5	9.53e5	0.83	NO	1.00	1.000	35.83	1.000	1.000	NO	1000.0	100	0.678	

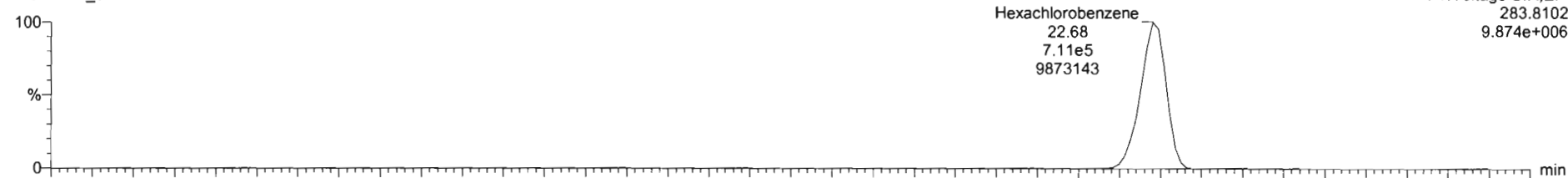
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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

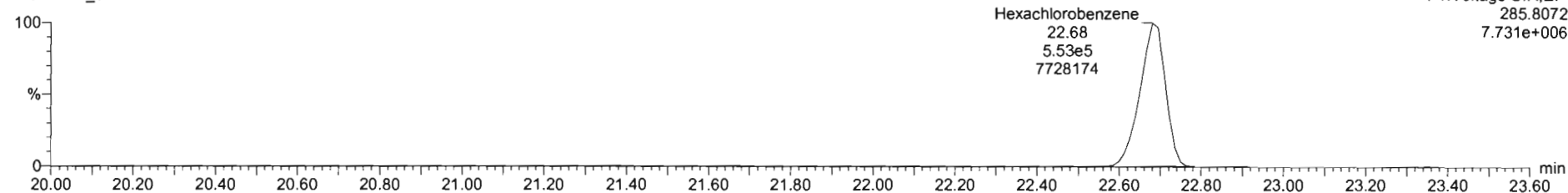
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**Hexachlorobenzene**

210416H2\_5

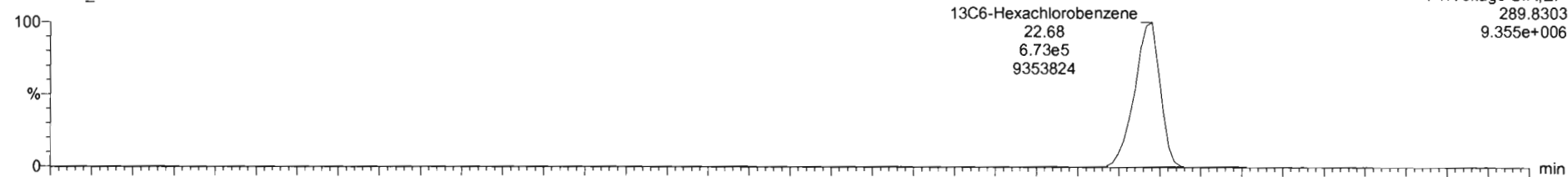


210416H2\_5

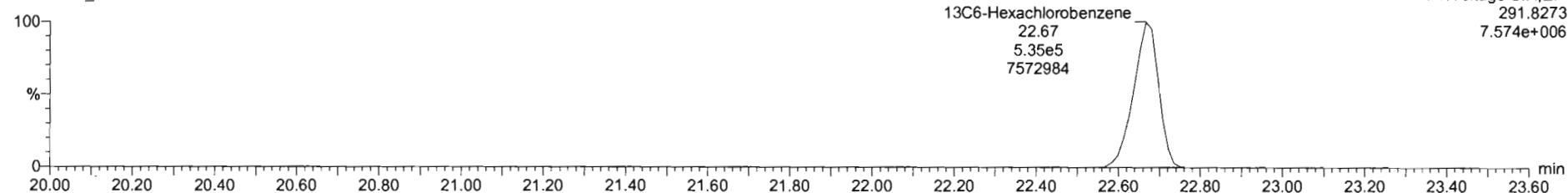


**13C6-Hexachlorobenzene**

210416H2\_5



210416H2\_5

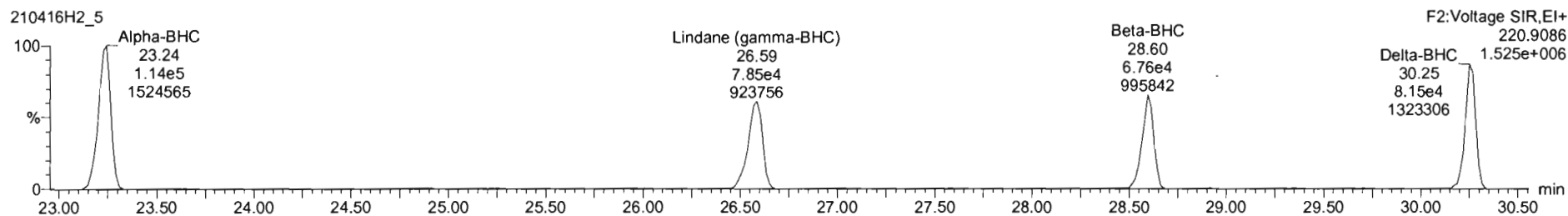
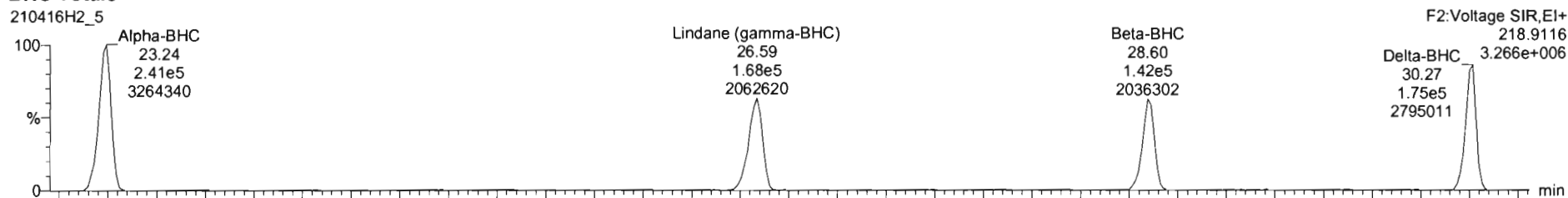


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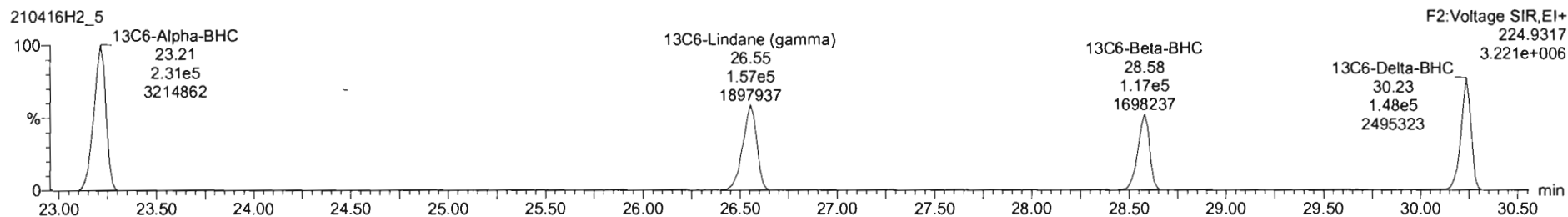
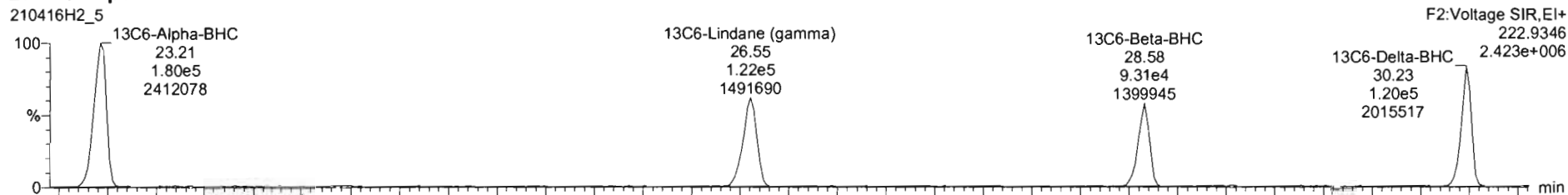
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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR

**BHC Totals**



**BHC-isotopes**



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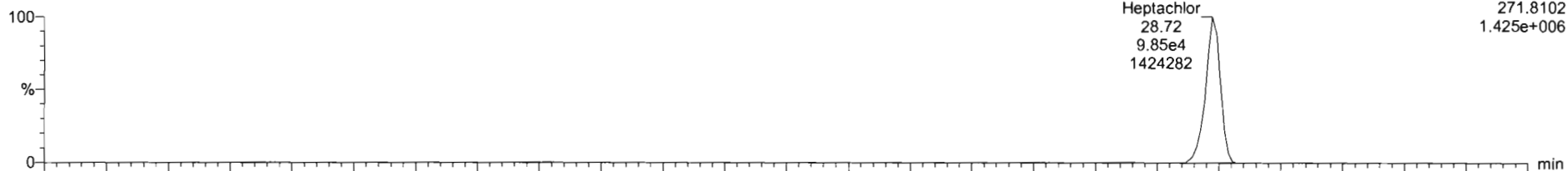
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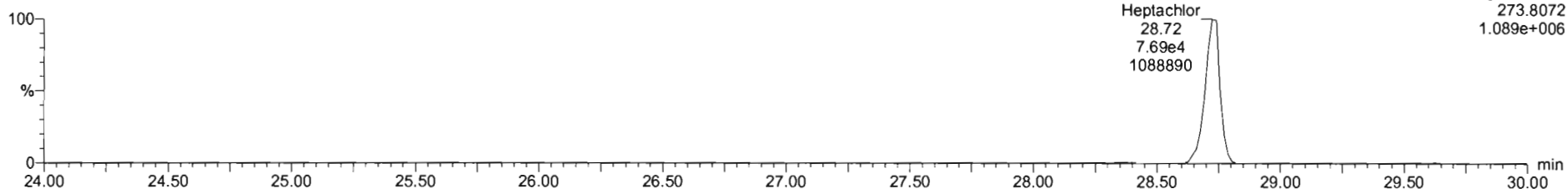
**Heptachlor**

210416H2\_5



F2:Voltage SIR,EI+  
271.8102  
1.425e+006

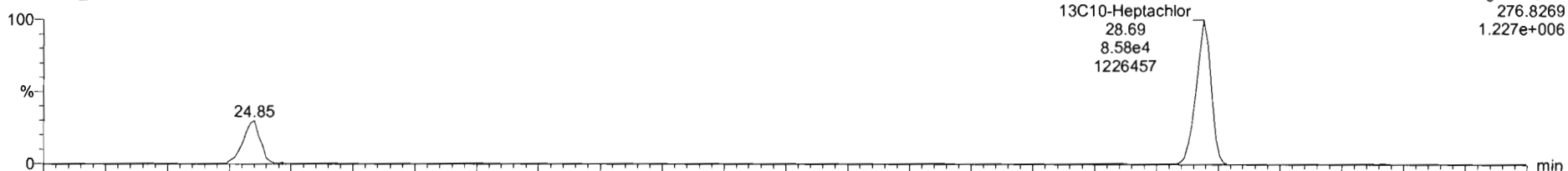
210416H2\_5



F2:Voltage SIR,EI+  
273.8072  
1.089e+006

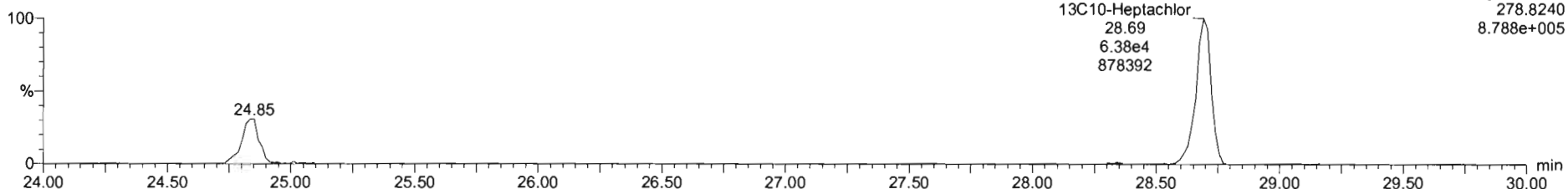
**13C10-Heptachlor**

210416H2\_5



F2:Voltage SIR,EI+  
276.8269  
1.227e+006

210416H2\_5



F2:Voltage SIR,EI+  
278.8240  
8.788e+005

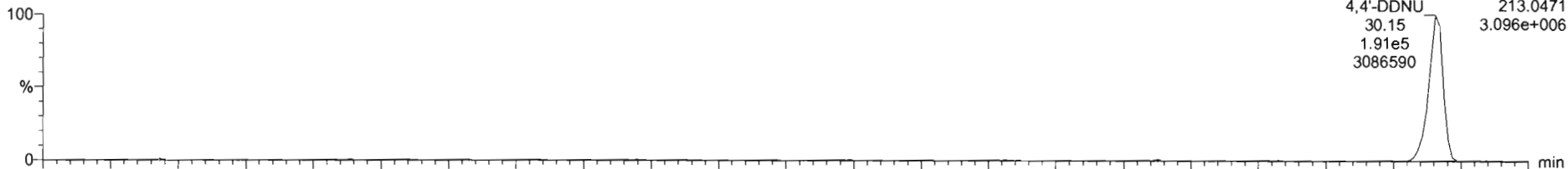
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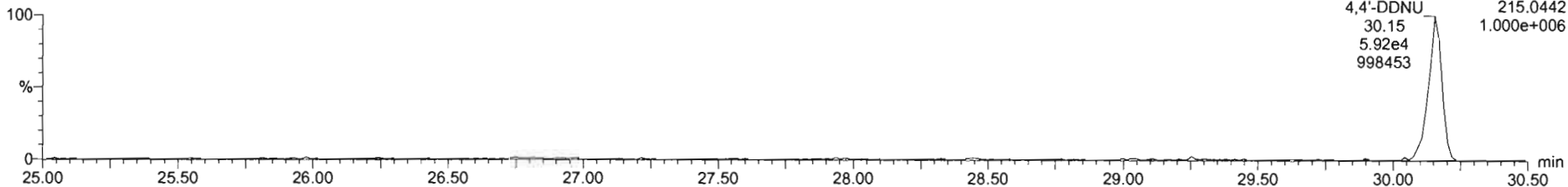
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**4,4'-DDNU**

210416H2\_5

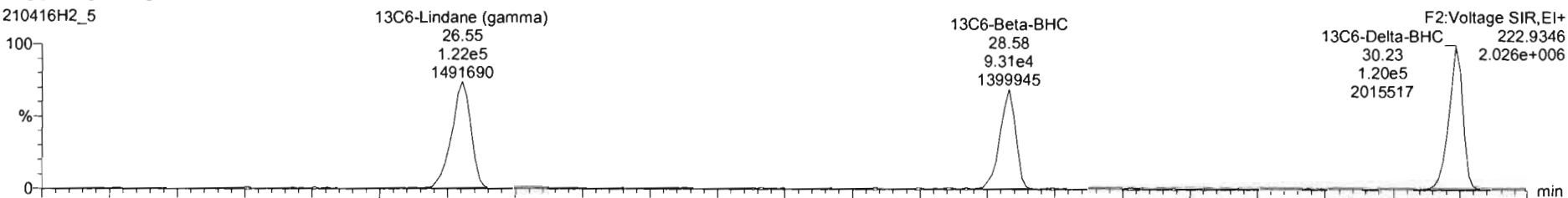


210416H2\_5

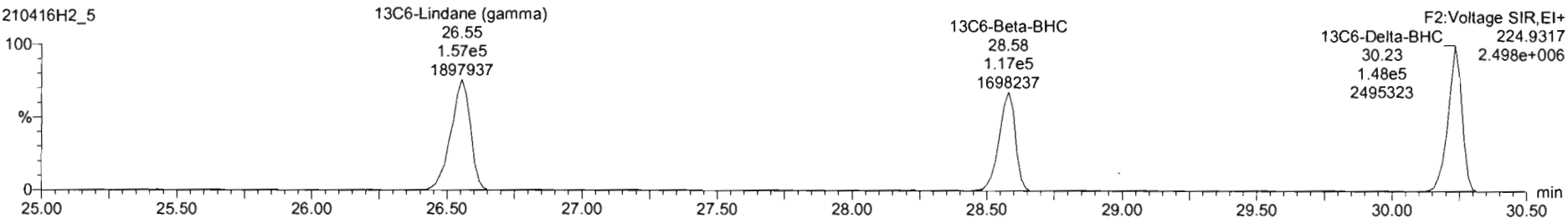


**13C6-Delta-BHC**

210416H2\_5



210416H2\_5

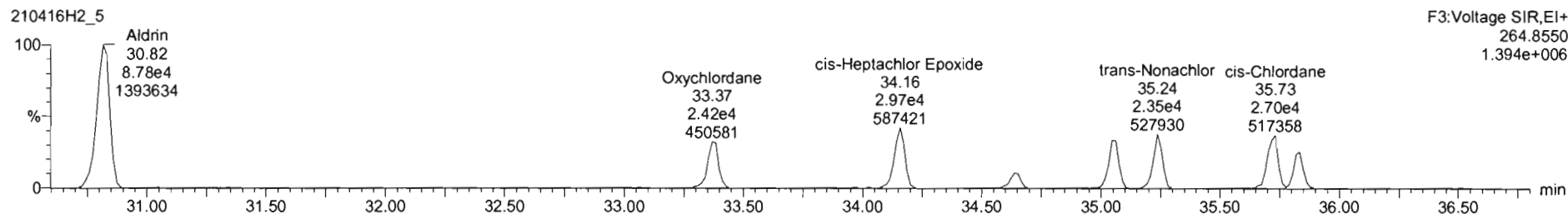
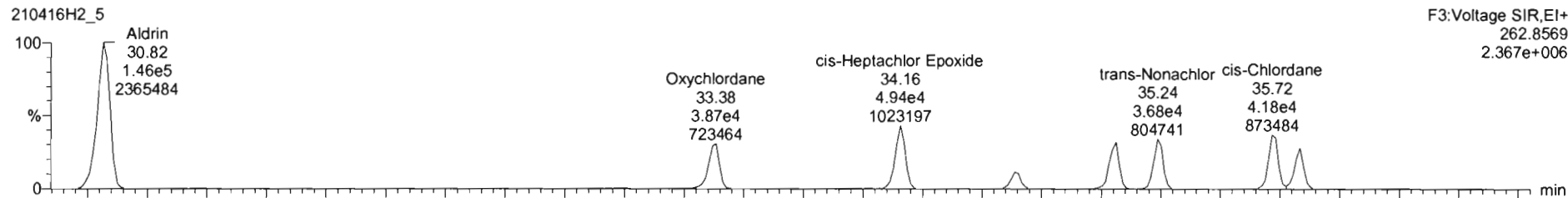


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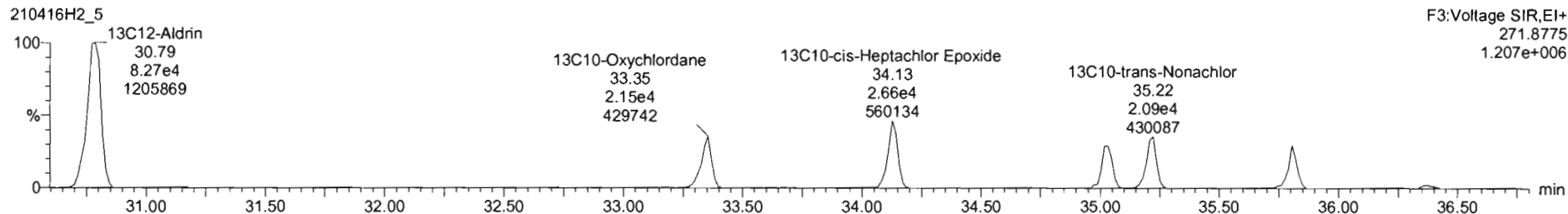
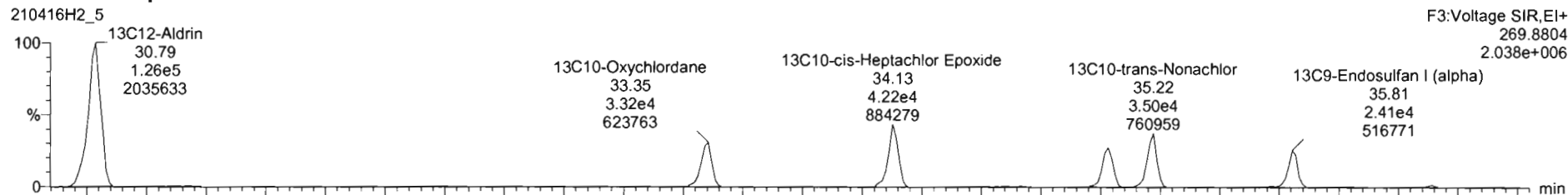
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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR

**Aldrin-EI**



**Aldrin-EI-isotopes**



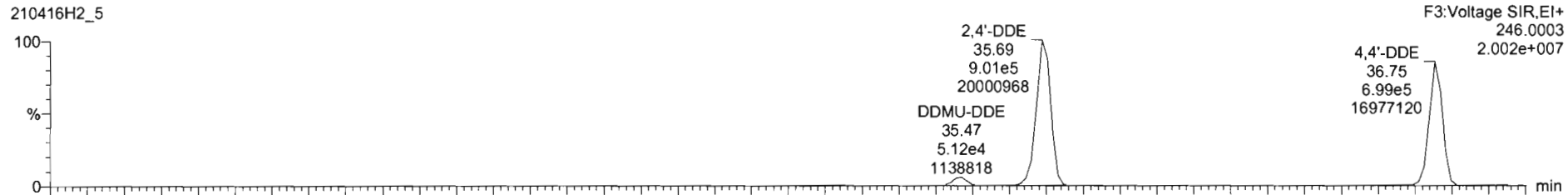
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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

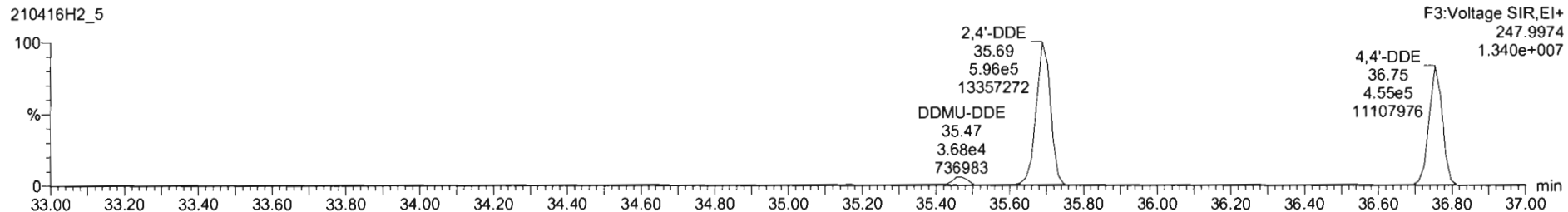
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**DDMU-DDE**

210416H2\_5

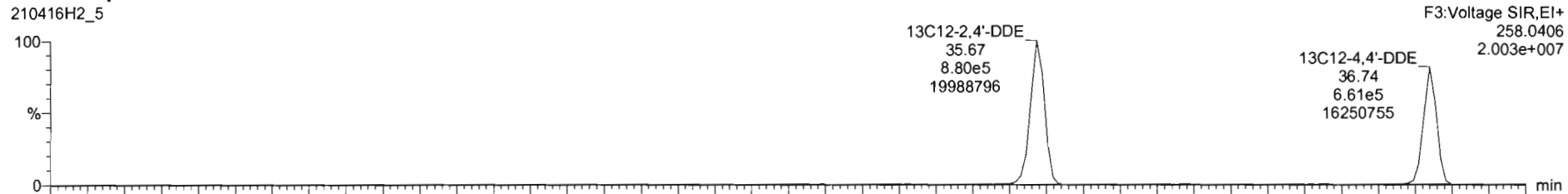


210416H2\_5

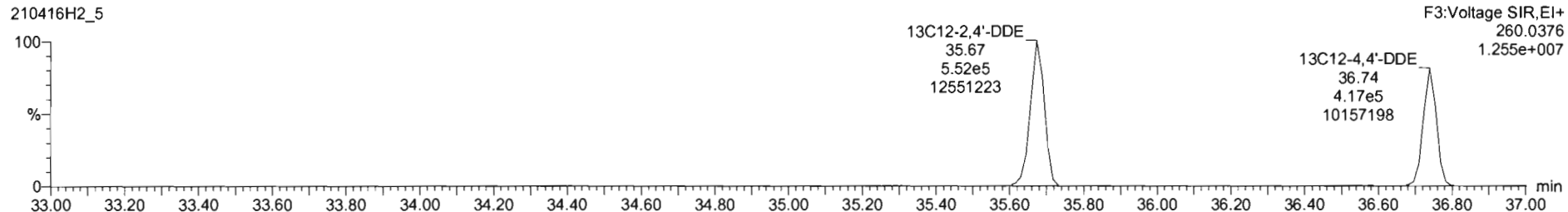


**DDE-isotopes**

210416H2\_5



210416H2\_5





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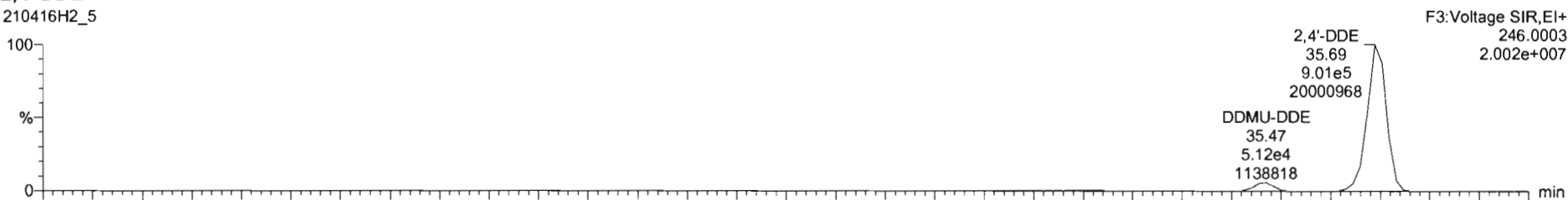
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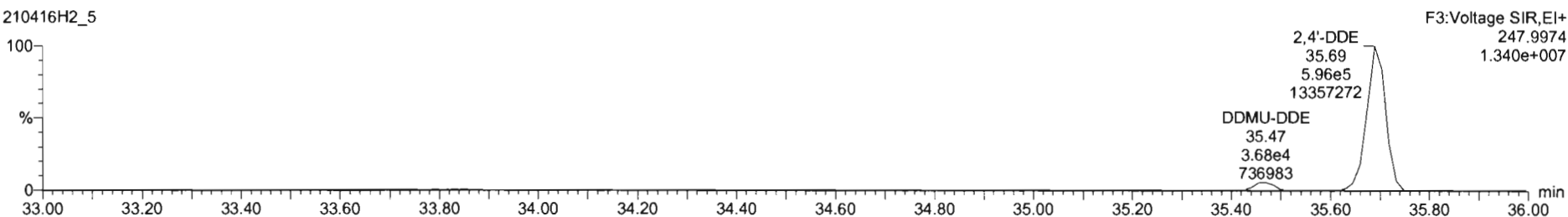
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**2,4'-DDE**

210416H2\_5

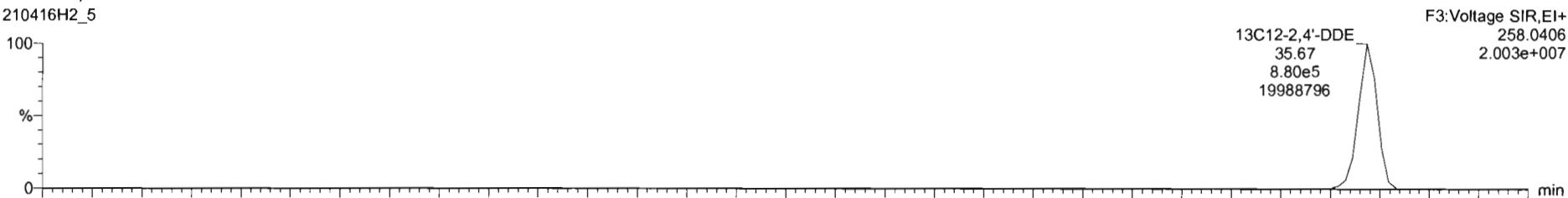


210416H2\_5

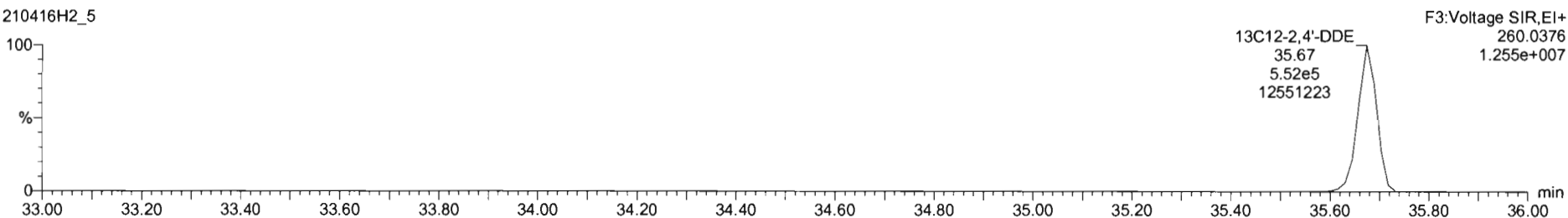


**13C12-2,4'-DDE**

210416H2\_5



210416H2\_5

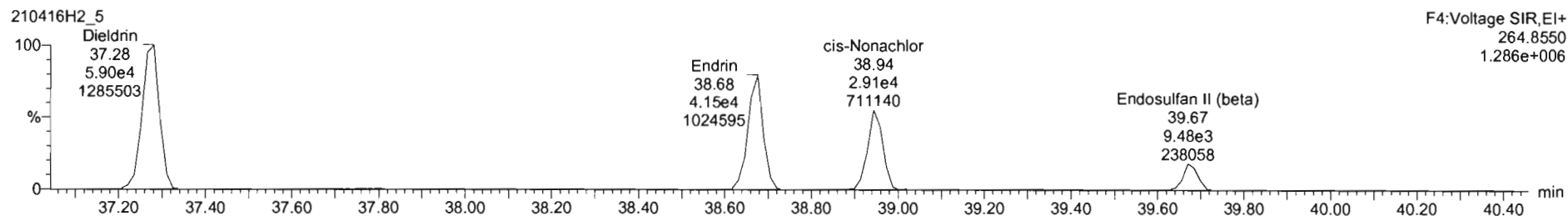
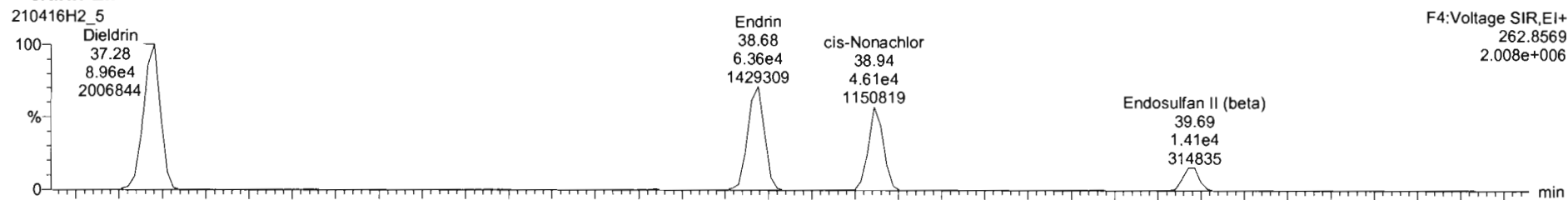


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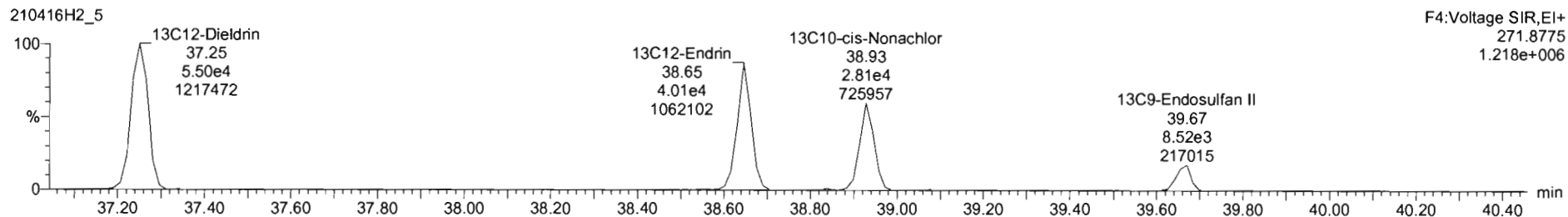
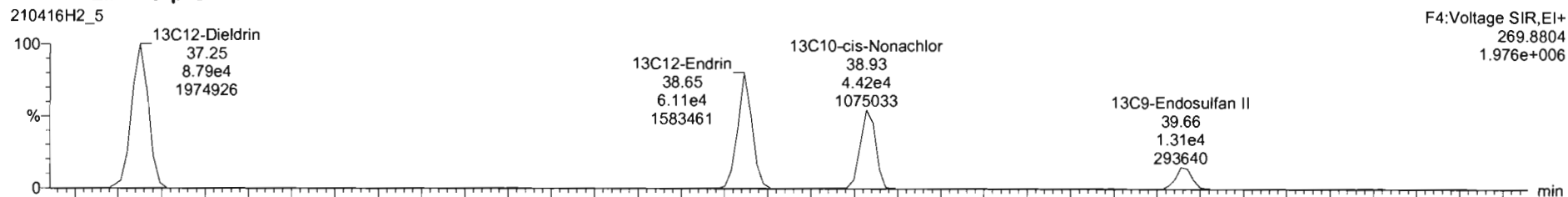
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Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR

Dieldrin-EII



Dieldrin-EII-isotopes



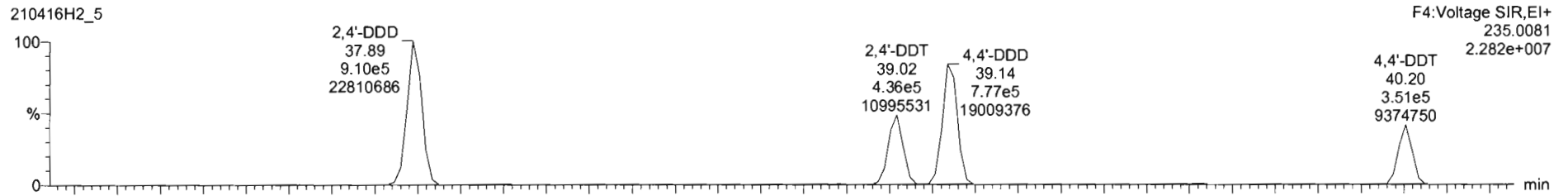
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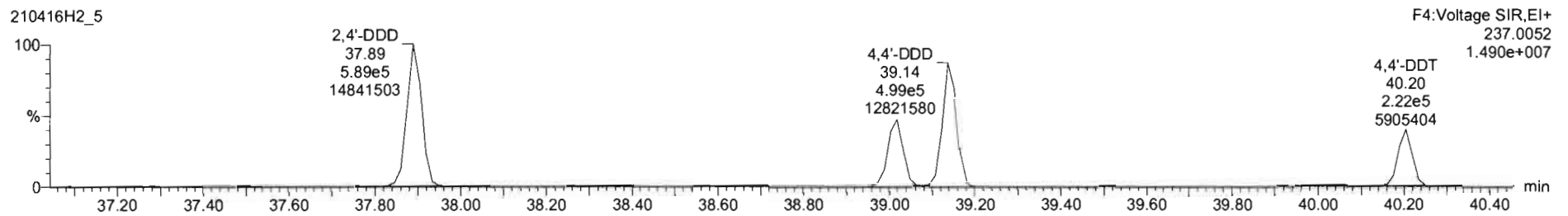
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DDD-DDT

210416H2\_5

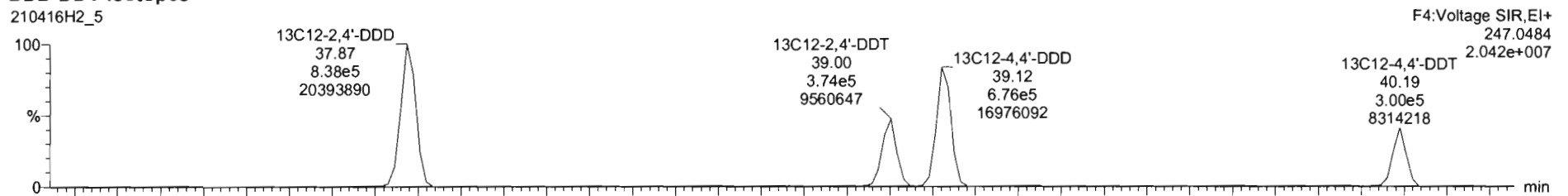


210416H2\_5

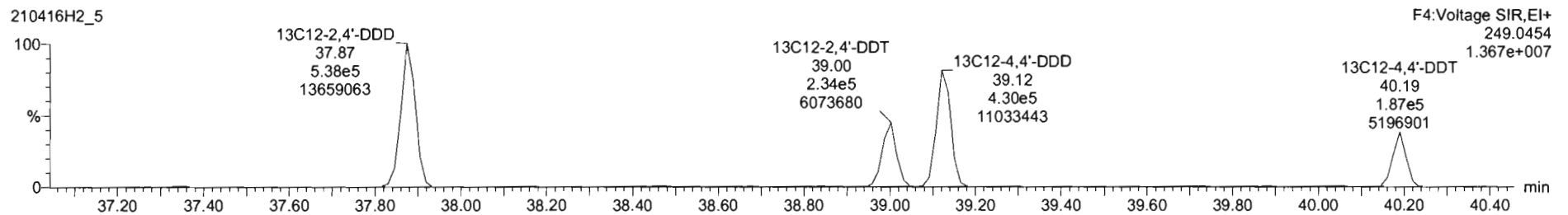


DDD-DDT-isotopes

210416H2\_5



210416H2\_5



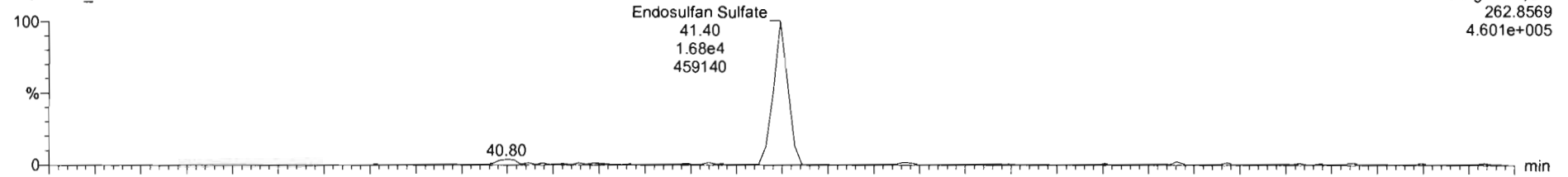
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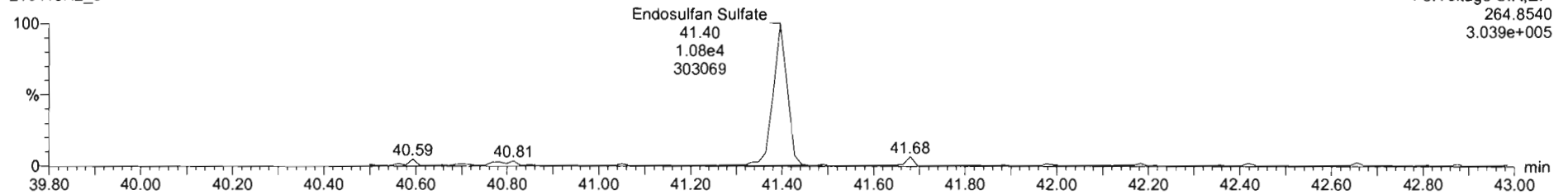
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Endosulfan Sulfate

210416H2\_5

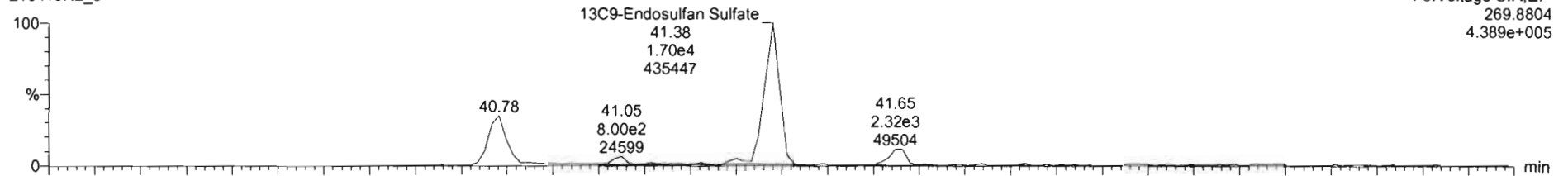


210416H2\_5

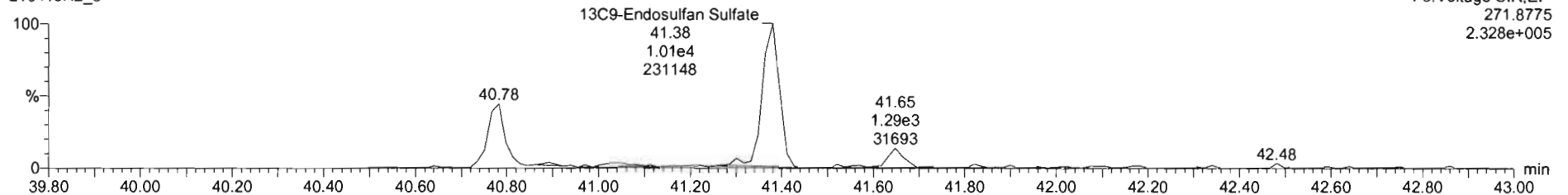


13C9-Endosulfan Sulfate

210416H2\_5



210416H2\_5



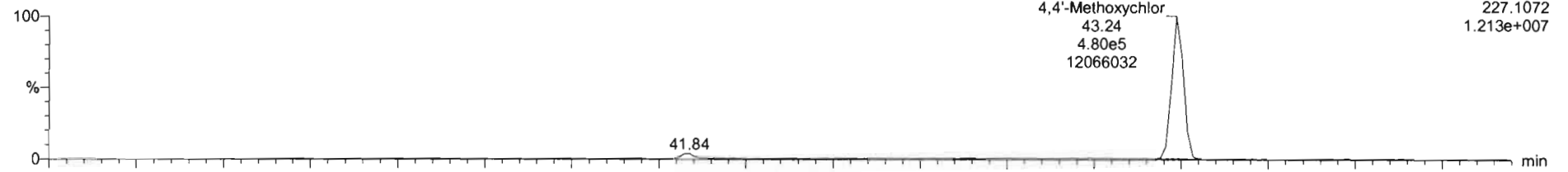
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Last Altered: Tuesday, April 20, 2021 15:07:43 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

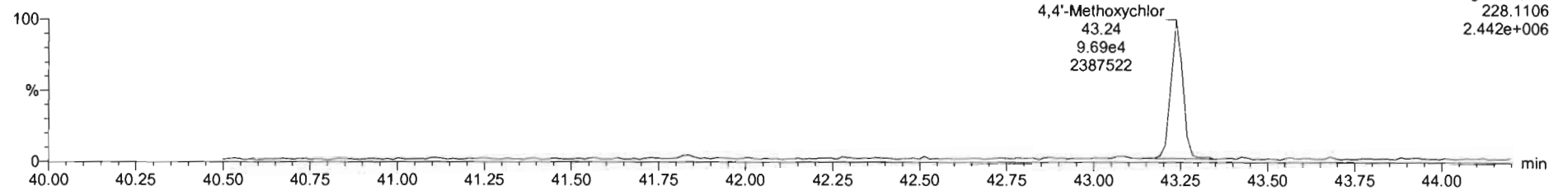
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**4,4'-Methoxychlor**

210416H2\_5

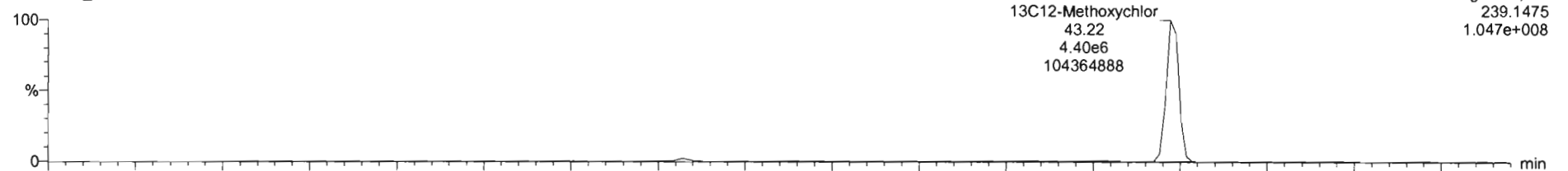


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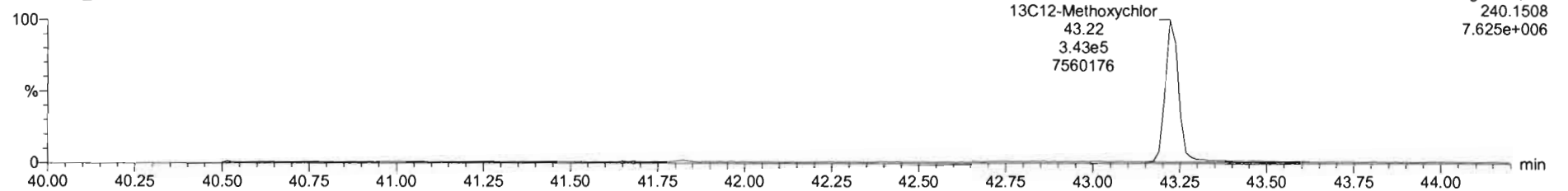


**13C12-Methoxychlor**

210416H2\_5



210416H2\_5

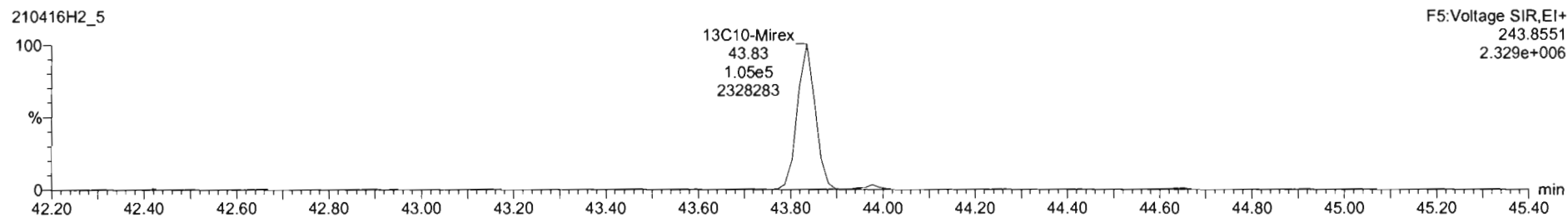
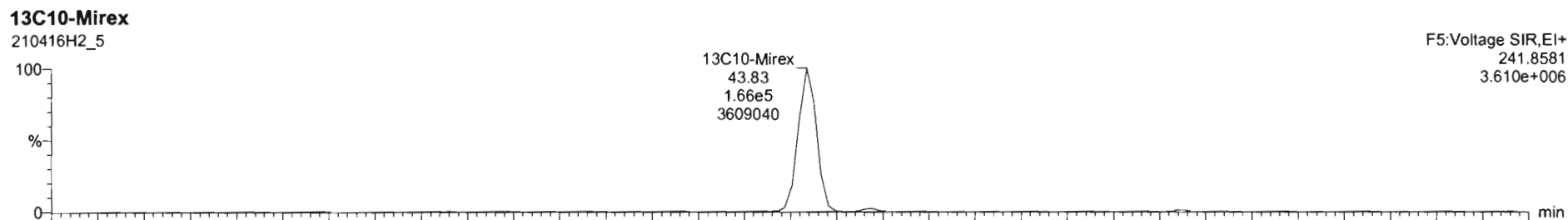
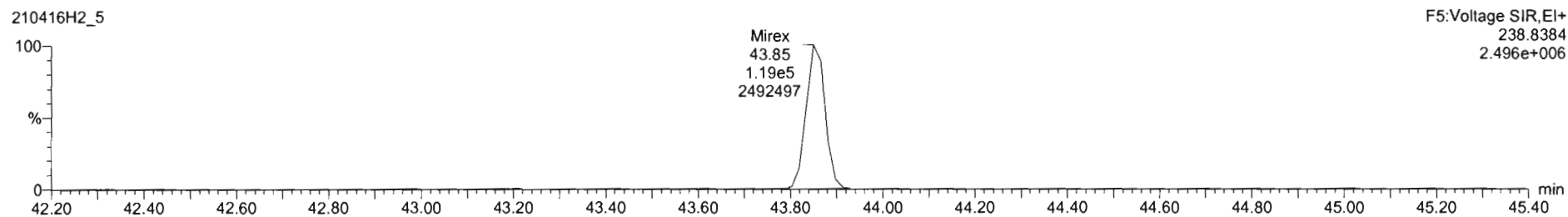
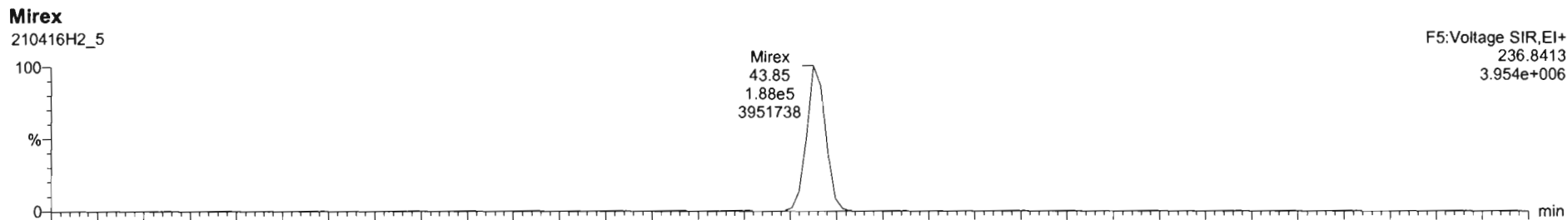


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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

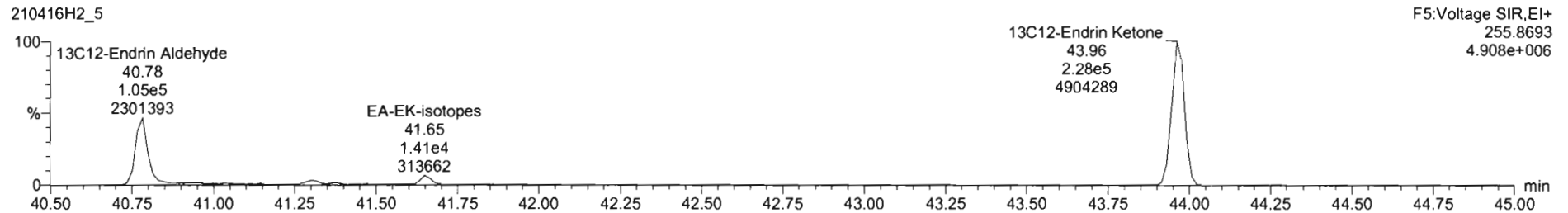
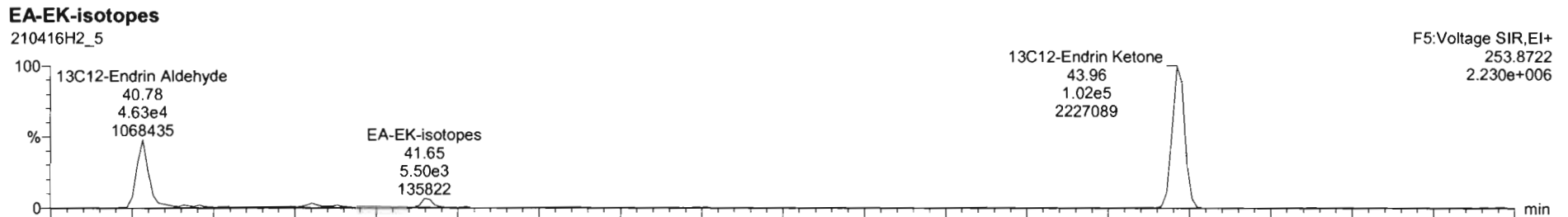
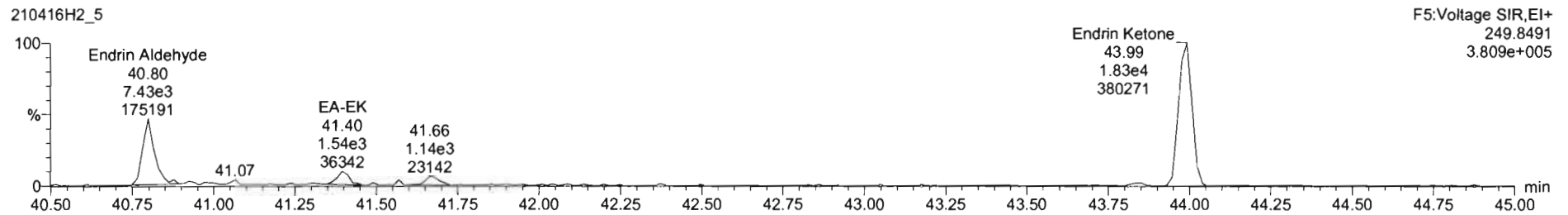
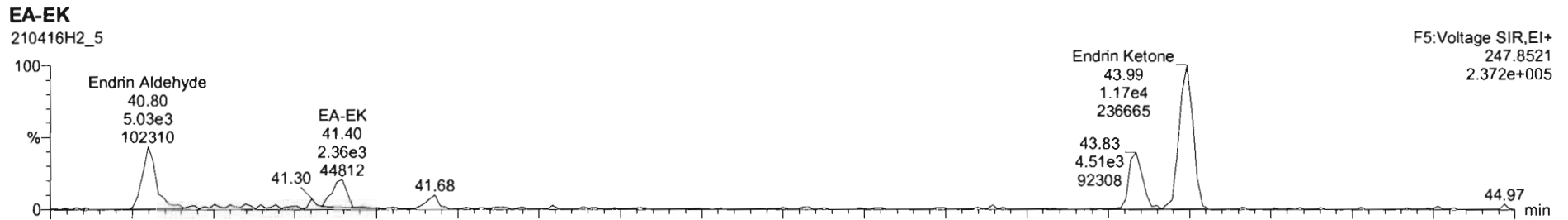
Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR



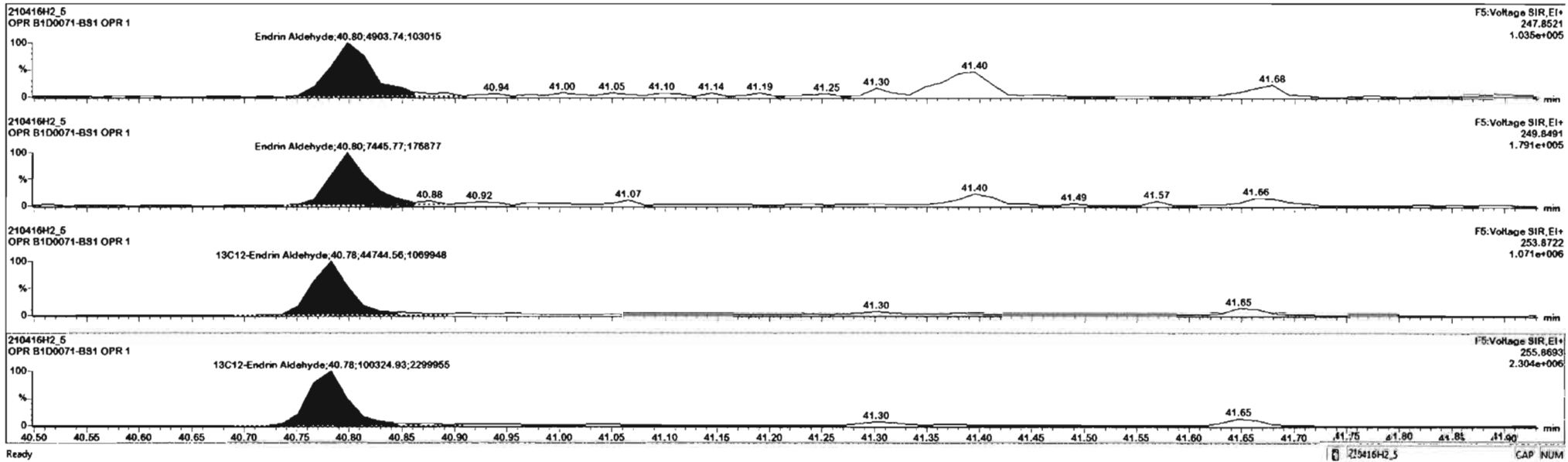
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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR



#	Name	Resp	IS AREA	RA	n/y	RRF	wt/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
27	4,4'-DDT	5.73e5	4.68e5	1.58	NO	1.13	1.0000	40.21	40.23	1.000	1.001	NO	1037		4.76	1040
28	Endosulfan Sulfate	2.76e4	2.71e4	1.55	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	982.1		8.93	982
29	4,4'-Methoxychlor	5.77e5	4.74e6	4.95	NO	1.22	1.0000	43.24	43.22	1.000	1.000	NO	997.4		4.56	997
30	Mirex	3.07e5	2.71e5	1.57	NO	1.03	1.0000	43.85	43.88	1.000	1.001	NO	1098		1.45	1100
31	Endrin Aldehyde	1.23e4	1.45e5	0.68	NO	1.03	1.0000	40.80	40.78	1.000	1.000	NO	827.9		23.9	828
32	Endrin Ketone	3.00e4	3.30e5	0.64	NO	0.93	1.0000	43.99	43.96	1.001	1.000	NO	981.1		12.7	801
33	13C4-Hexachlorobutadi...	2.46e6	1.84e6	1.28	NO	0.16	1.0000	10.00	9.97	0.384	0.383	NO	8358	83.6	0.428	
34	13C6-Hexachlorobenze...	1.21e6	1.84e6	1.26	NO	0.87	1.0000	22.68	22.69	0.870	0.871	NO	758.8	75.9	0.0872	
35	13C6-Alpha-BHC	4.11e5	1.84e6	0.78	NO	0.26	1.0000	23.21	23.21	0.891	0.891	NO	866.7	86.7	3.11	
36	13C6-Lindane (gamma)	2.79e5	1.84e6	0.78	NO	0.19	1.0000	26.56	26.55	1.019	1.019	NO	784.3	78.4	4.15	
37	13C6-Beta-BHC	2.10e5	1.84e6	0.80	NO	0.14	1.0000	28.58	28.58	1.097	1.097	NO	794.4	79.4	5.59	
38	13C6-Delta-BHC	2.68e5	1.84e6	0.81	NO	0.17	1.0000	30.24	30.22	1.160	1.160	NO	868.9	86.9	4.78	
39	13C10-Heptachlor	1.50e5	1.84e6	1.34	NO	0.15	1.0000	28.69	28.71	1.101	1.102	NO	549.0	54.9	1.24	
40	13C12-Aldrin	2.09e5	1.84e6	1.53	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	738.4	73.8	1.84	
41	13C10-Oxychlorane	5.47e4	1.84e6	1.54	NO	0.04	1.0000	33.35	33.34	1.280	1.280	NO	738.0	73.8	7.01	
42	13C10-cis-Heptachlor E...	6.87e4	1.84e6	1.59	NO	0.05	1.0000	34.13	34.13	1.310	1.310	NO	758.8	75.9	5.74	
43	13C10-trans-Chlordane...	4.72e4	1.84e6	1.56	NO	0.04	1.0000	35.03	35.02	1.344	1.344	NO	717.0	71.7	7.91	
44	13C10-trans-Nonachlor	5.58e4	9.53e5	1.68	NO	0.06	1.0000	35.22	35.23	0.983	0.983	NO	918.0	91.8	4.32	
45	13C9-Endosulfan I (alph	3.93e4	9.53e5	1.58	NO	0.04	1.0000	35.81	35.82	0.999	1.000	NO	958.0	95.8	6.39	
46	13C12-2,4-DDE	1.43e6	9.53e5	1.59	NO	1.43	1.0000	35.67	35.67	0.996	0.995	NO	1047	105	1.16	





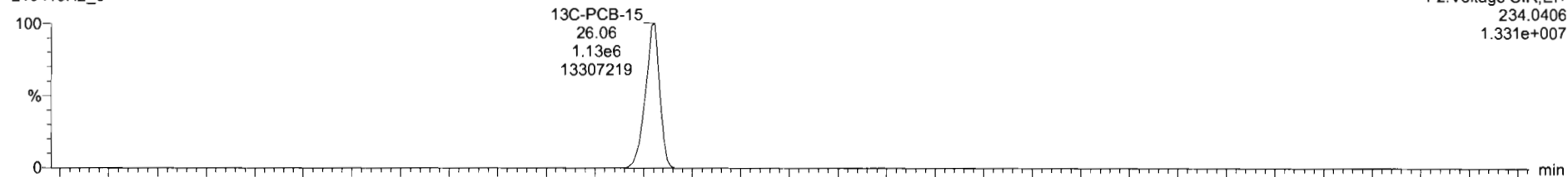
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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

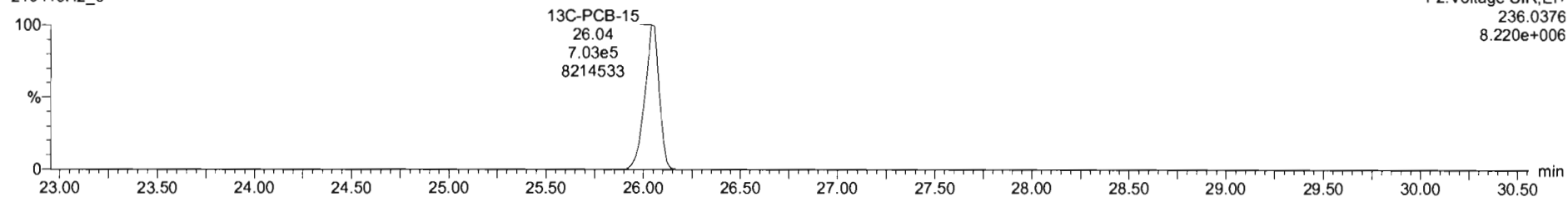
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**13C-PCB-15**

210416H2\_5

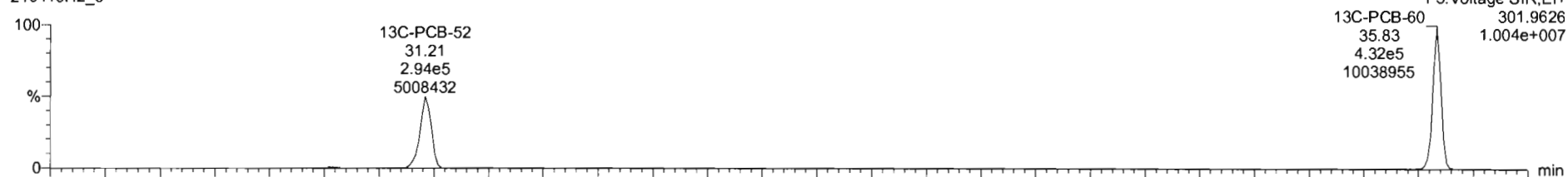


210416H2\_5

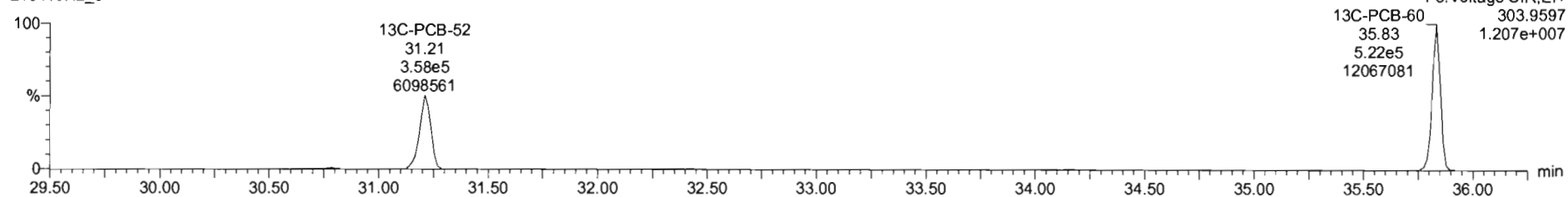


**13C-PCB-60**

210416H2\_5



210416H2\_5



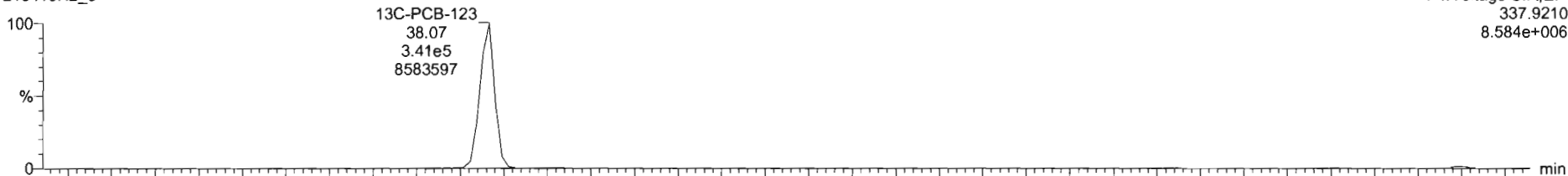
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Last Altered: Tuesday, April 20, 2021 15:07:43 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR

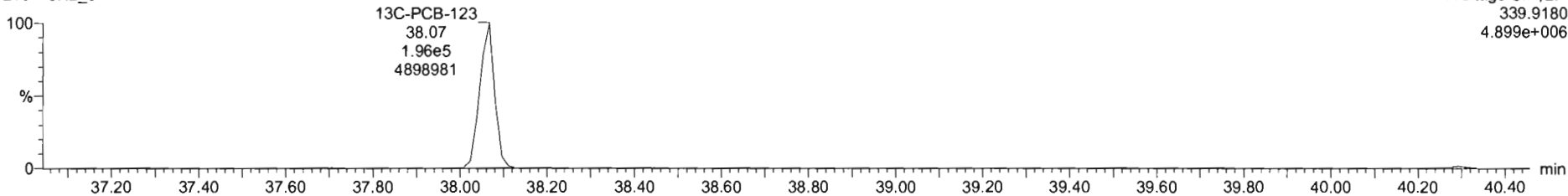
**13C-PCB-123**

210416H2\_5



F4:Voltage SIR,EI+  
337.9210  
8.584e+006

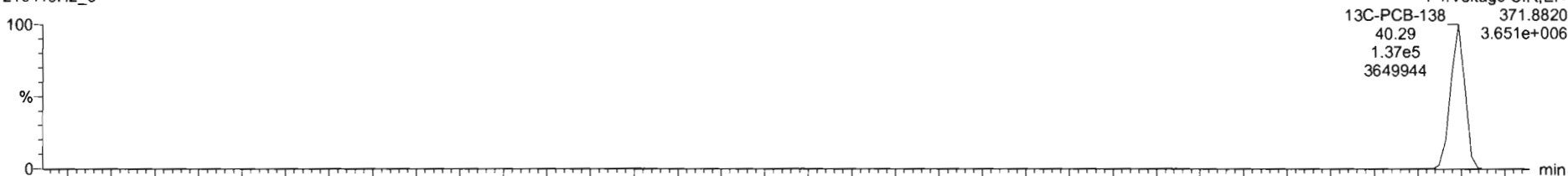
210416H2\_5



F4:Voltage SIR,EI+  
339.9180  
4.899e+006

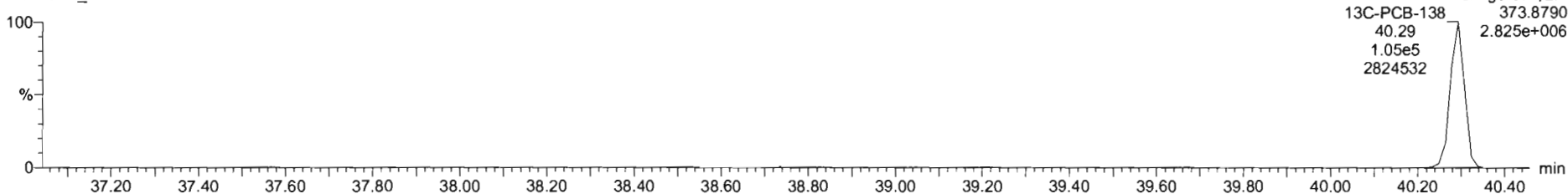
**13C-PCB-138**

210416H2\_5



F4:Voltage SIR,EI+  
371.8820  
3.651e+006

210416H2\_5



F4:Voltage SIR,EI+  
373.8790  
2.825e+006

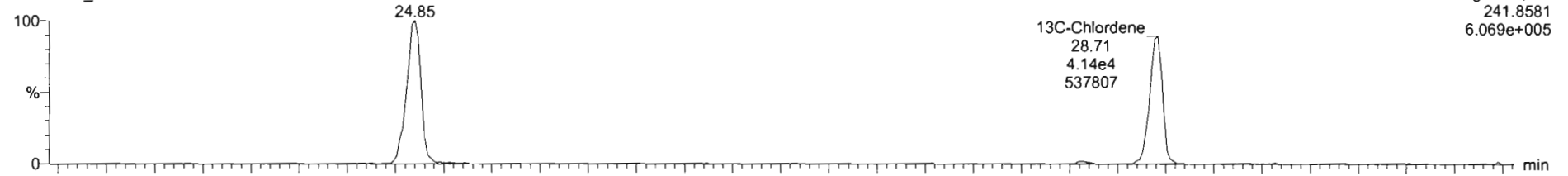
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Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

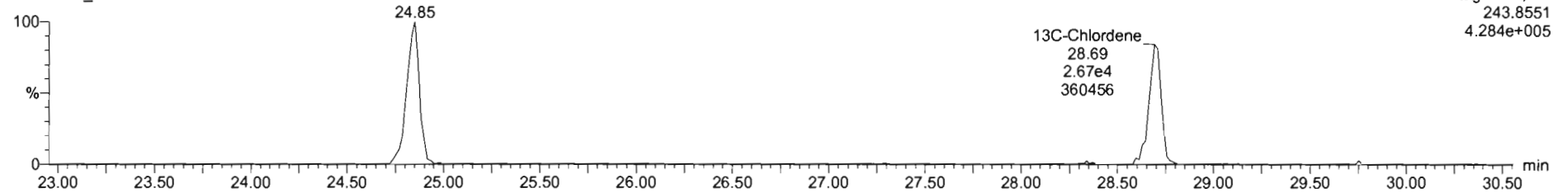
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13C-Chlordene

210416H2\_5

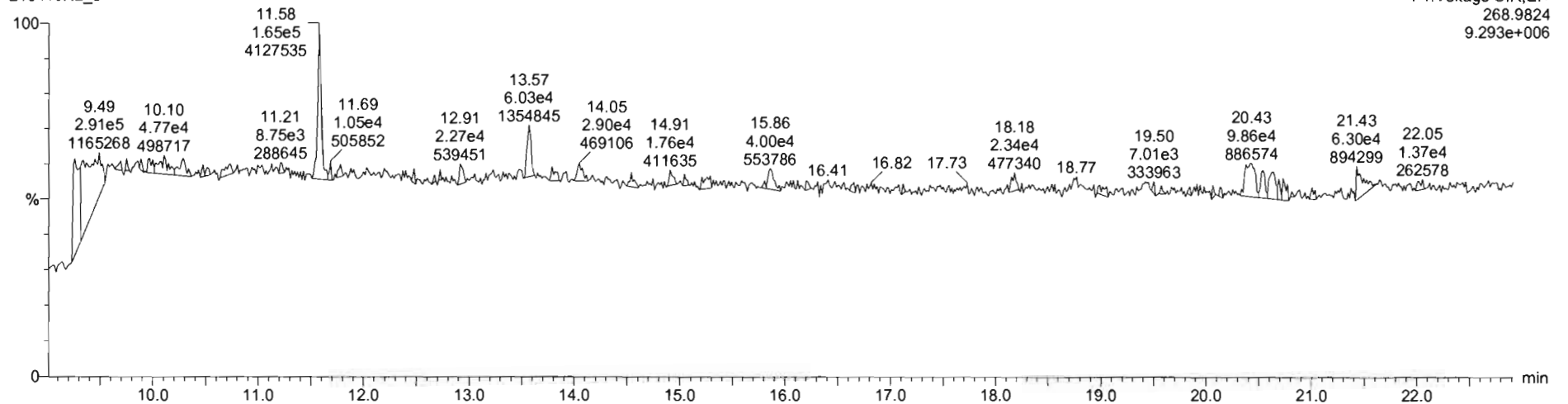


210416H2\_5



PFK1

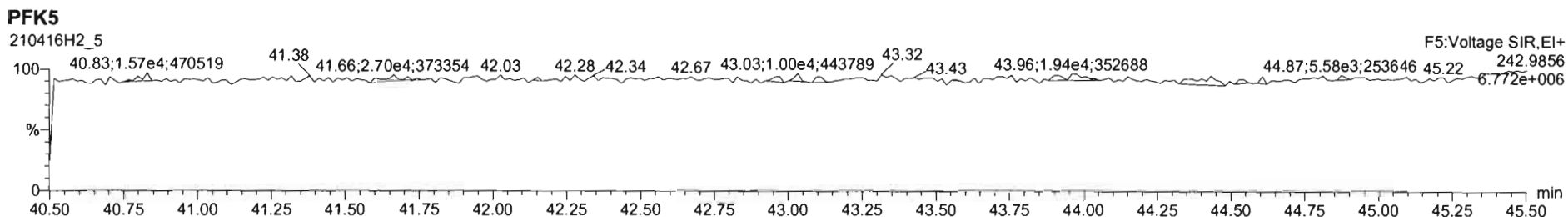
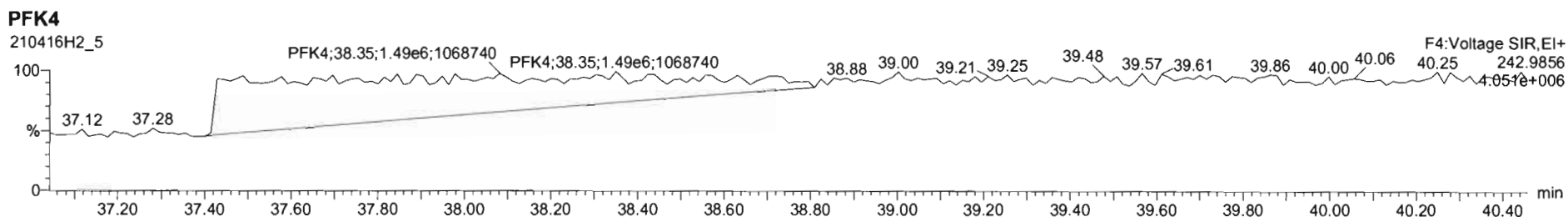
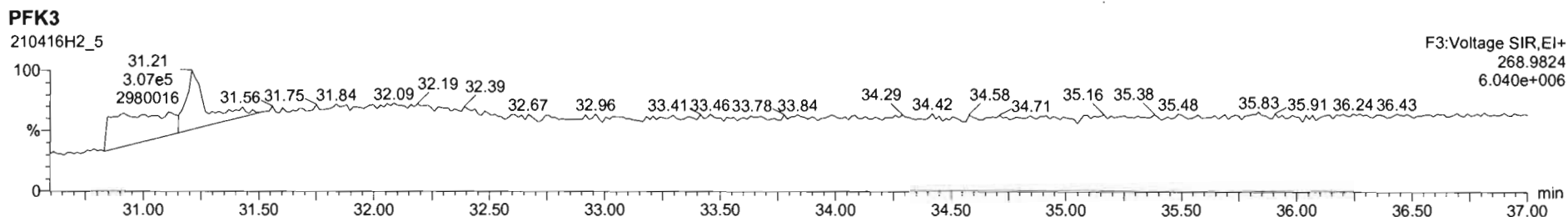
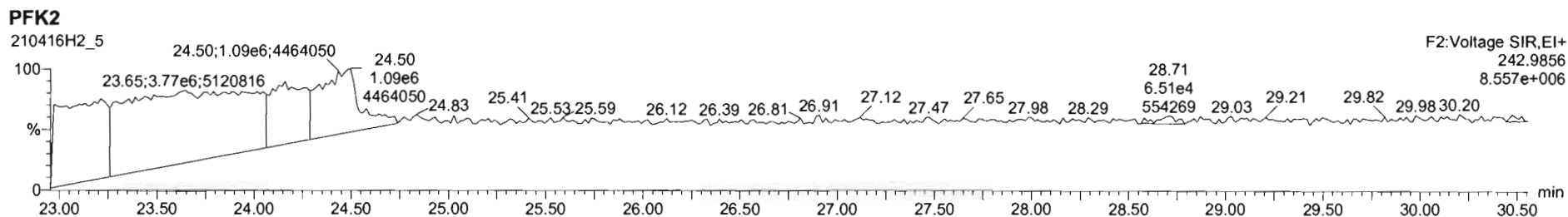
210416H2\_5



Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:07:43 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:09:51 Pacific Daylight Time

Name: 210416H2\_5, Date: 16-Apr-2021, Time: 14:04:59, ID: B1D0071-BS1 OPR 1, Description: OPR



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:26:01 Pacific Daylight Time

*DF 05/06/21*

*05/07/2021*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	Conc	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	4 Lindane (gamma-...		1.49e5	NO	0.847	1.000				1.000	YES			3.48	
2	9 Aldrin		1.41e5	NO	1.12	1.000				1.001	YES			0.597	
3	10 Oxychlordan		3.63e4	NO	1.11	1.000				1.001	YES			2.24	
4	13 trans-Chlordane (g...		3.47e4	NO	1.19	1.000				1.001	YES			1.68	
5	14 trans-Nonachlor		4.03e4	NO	1.09	1.000				1.000	YES			1.44	
6	15 cis-Chlordane		4.03e4	NO	1.20	1.000				1.016	YES			1.30	
7	18 2,4'-DDE		8.49e5	NO	1.01	1.000				1.000	YES			2.02	
8	19 4,4'-DDE		5.98e5	NO	1.03	1.000				1.000	YES			2.72	
9	20 Dieldrin		6.42e4	NO	1.05	1.000				1.001	YES			1.56	
10	22 cis-Nonachlor		3.59e4	NO	1.05	1.000				1.000	YES			2.86	

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:26:09 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
24	2,4'-DDD		5.36e5		NO	1.03	1.000			1.000	YES			2.72	
25	2,4'-DDT		2.56e5		NO	1.02	1.000			1.000	YES			6.07	
26	4,4'-DDD		4.40e5		NO	1.10	1.000			1.000	YES			2.88	
27	4,4'-DDT		2.02e5		NO	1.11	1.000			1.001	YES			6.17	
36	13C6-Lindane (ga...	1.49e5	1.02e6	0.79	NO	0.190	1.000	26.52	1.020	1.019	NO	769.16	76.9	5.72	
40	13C12-Aldrin	1.41e5	1.02e6	1.54	NO	0.152	1.000	30.79	1.184	1.181	NO	910.18	91.0	1.81	
41	13C10-Oxychlorda...	3.63e4	1.02e6	1.50	NO	0.0441	1.000	33.37	1.283	1.280	NO	808.73	80.9	6.26	

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:26:24 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
43	13C10-trans-Chlor...	3.47e4	1.02e6	1.59	NO	0.0390	1.000	35.05	1.348	1.344	NO	873.27	87.3	7.07	
44	13C10-trans-Nona...	4.03e4	7.04e5	1.57	NO	0.0772	1.000	35.24	0.983	0.983	NO	740.89	74.1	2.77	
46	13C12-2,4'-DDE	8.49e5	7.04e5	1.58	NO	1.84	1.000	35.70	0.996	0.995	NO	655.53	65.6	0.912	
47	13C12-4,4'-DDE	5.98e5	7.04e5	1.57	NO	1.31	1.000	36.77	1.025	1.026	NO	651.14	65.1	1.29	
48	13C12-Dieldrin	6.42e4	7.04e5	1.52	NO	0.177	1.000	37.28	1.040	1.040	NO	514.84	51.5	1.29	
50	13C10-cis-Nonach...	3.59e4	7.04e5	1.60	NO	0.0908	1.000	38.97	1.087	1.087	NO	561.39	56.1	2.51	
52	13C12-2,4'-DDD	5.36e5	7.04e5	1.61	NO	1.21	1.000	37.92	1.057	1.057	NO	626.53	62.7	1.20	
53	13C12-2,4'-DDT	2.56e5	7.04e5	1.57	NO	0.662	1.000	39.05	1.089	1.089	NO	548.50	54.9	2.21	
54	13C12-4,4'-DDD	4.40e5	7.04e5	1.61	NO	0.950	1.000	39.17	1.092	1.092	NO	658.80	65.9	1.54	
55	13C12-4,4'-DDT	2.02e5	7.04e5	1.64	NO	0.455	1.000	40.23	1.122	1.122	NO	629.93	63.0	3.22	
62	13C-PCB-15	1.02e6	1.02e6	1.55	NO	1.00	1.000	26.01	1.000	1.000	NO	1000.0	100	0.707	

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Thursday, May 06, 2021 10:25:30 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:26:28 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	IDU	EMPC
1	63 13C-PCB-60	7.04e5	7.04e5	0.77	NO	1.00	1.000	35.86	1.000	1.000	NO	1000.0	100	1.26	



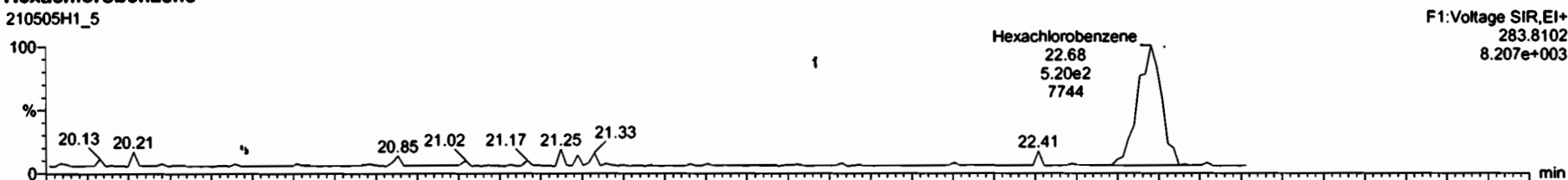
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Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

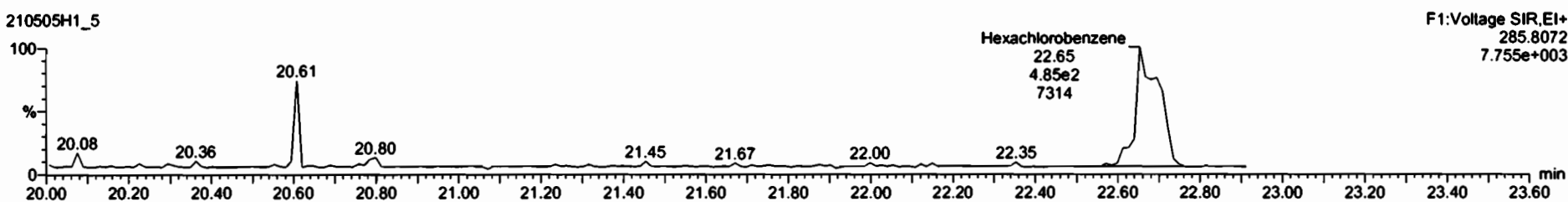
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Calibration: U:\vg10.PRO\CurveDB\1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

Hexachlorobenzene  
210505H1\_5



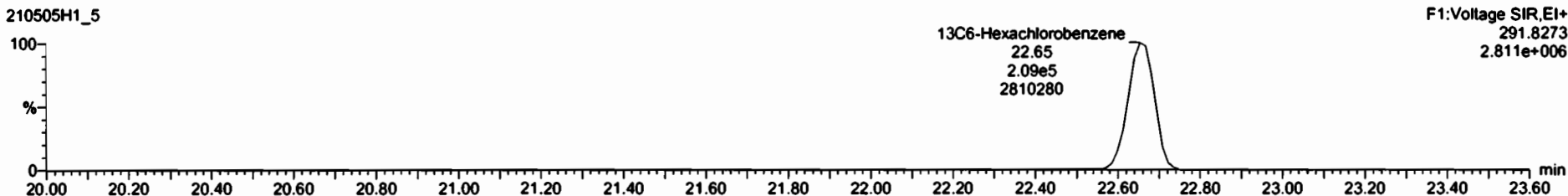
210505H1\_5



13C6-Hexachlorobenzene  
210505H1\_5



210505H1\_5

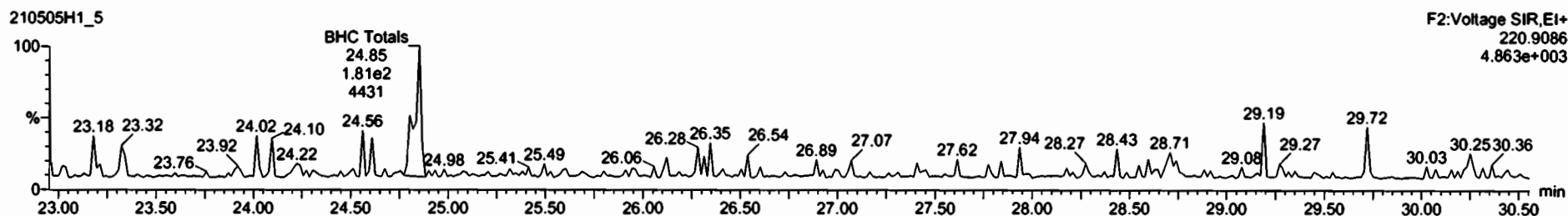
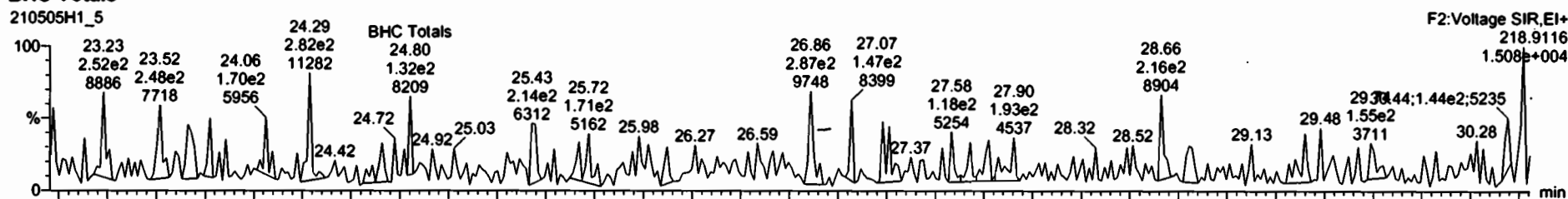


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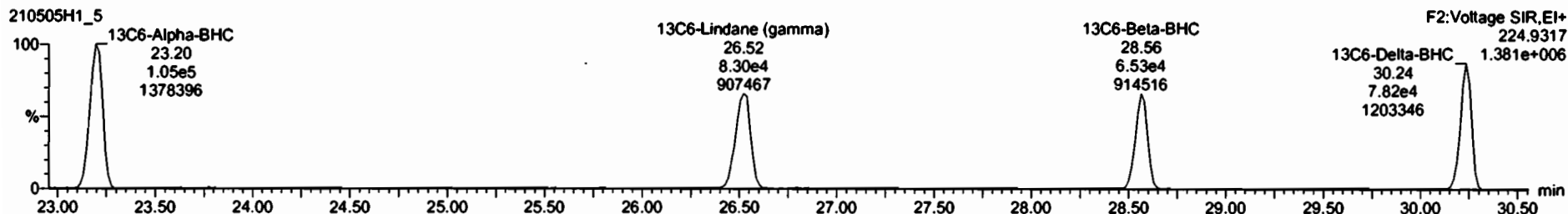
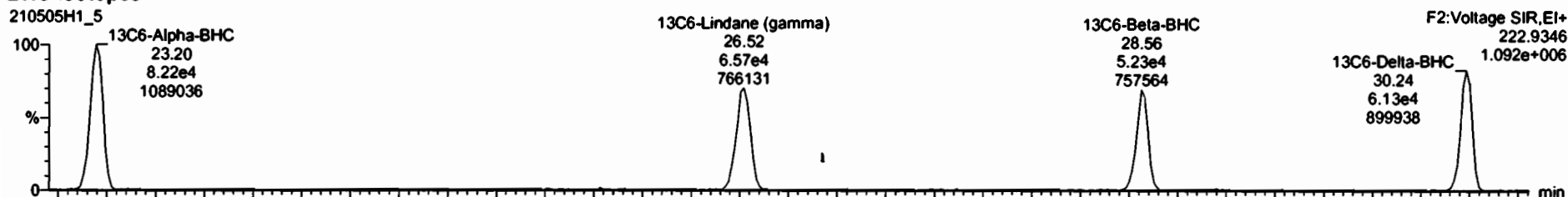
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Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

**BHC Totals**



**BHC-isotopes**



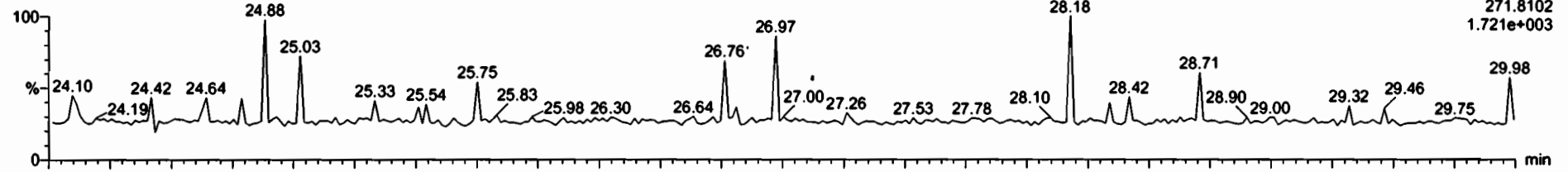
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Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

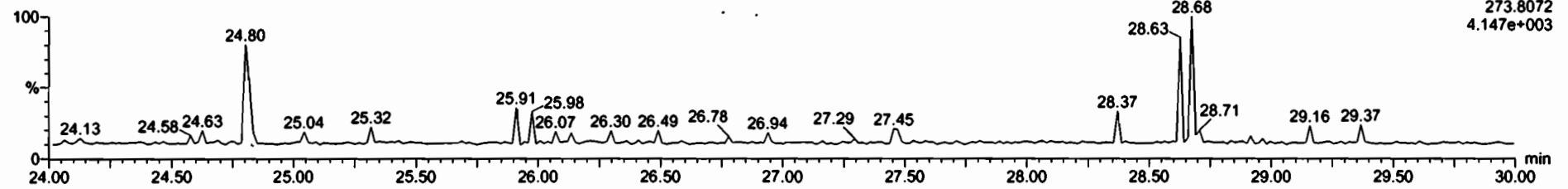
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Heptachlor

210505H1\_5

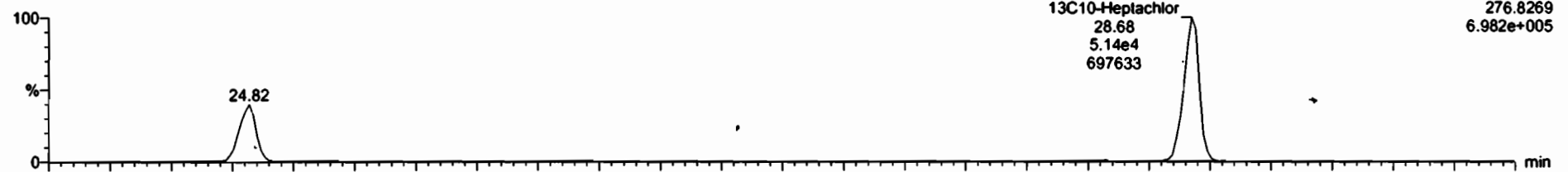


210505H1\_5

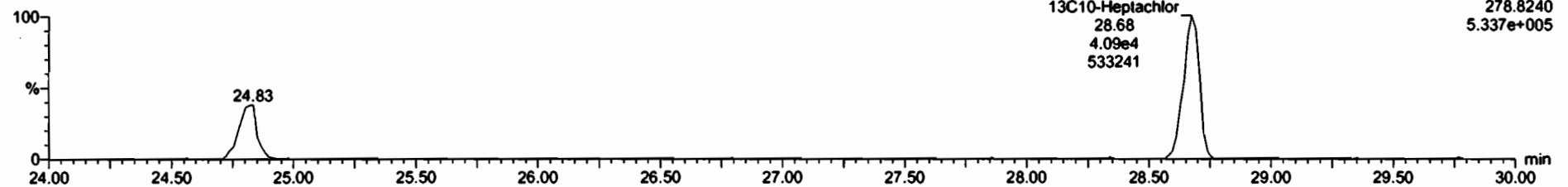


13C10-Heptachlor

210505H1\_5



210505H1\_5



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

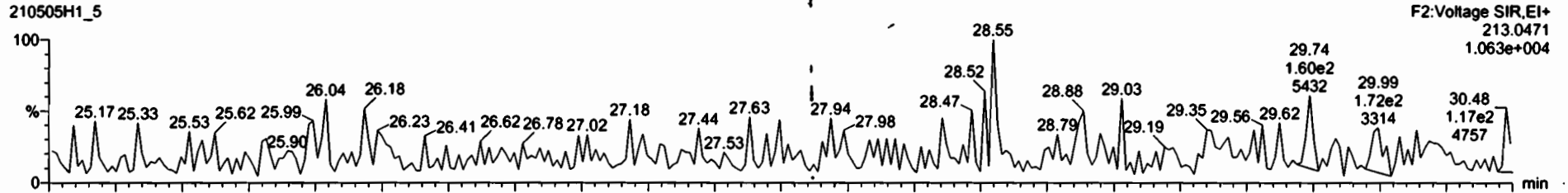
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Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

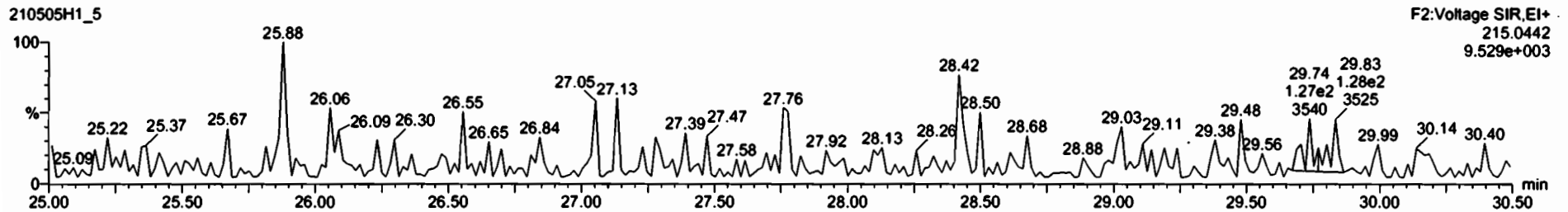
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4,4'-DDNU

210505H1\_5

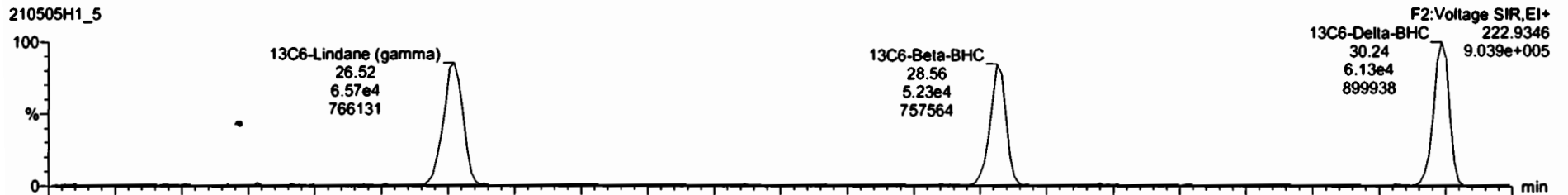


210505H1\_5

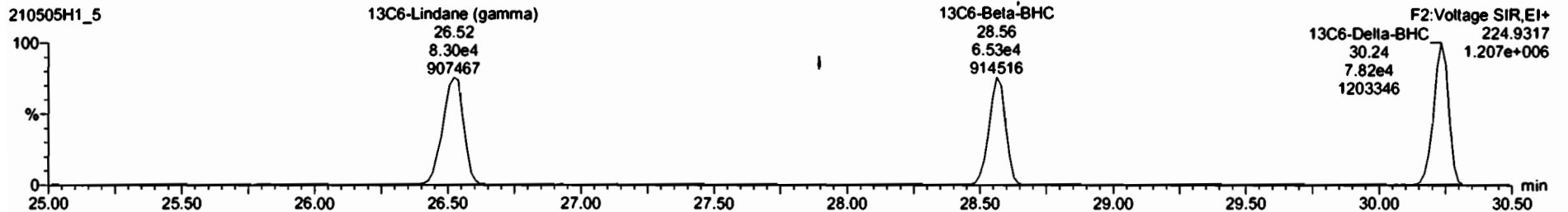


13C6-Delta-BHC

210505H1\_5



210505H1\_5



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

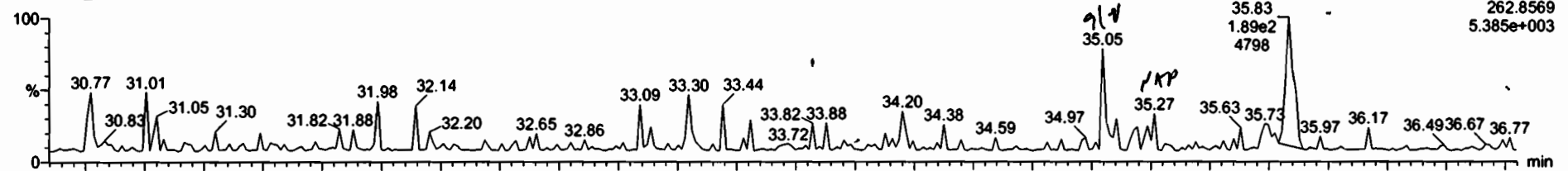
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

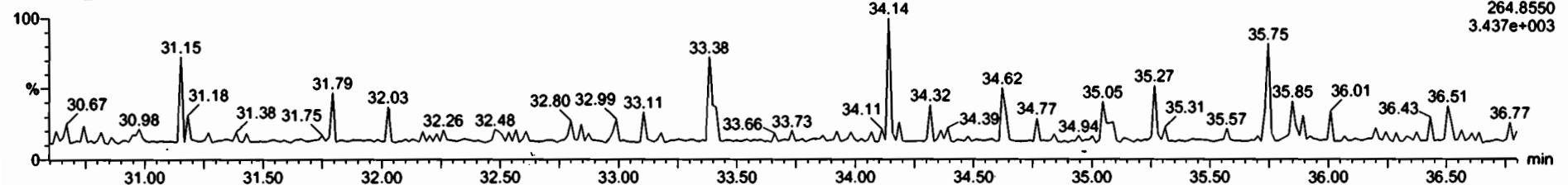
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**Aldrin-EI**

210505H1\_5

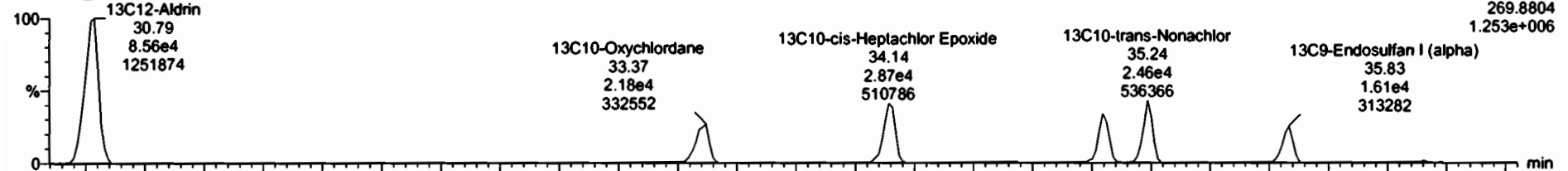


210505H1\_5

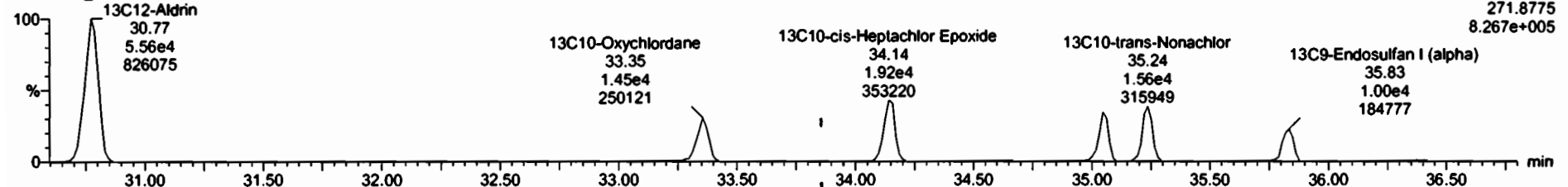


**Aldrin-EI-isotopes**

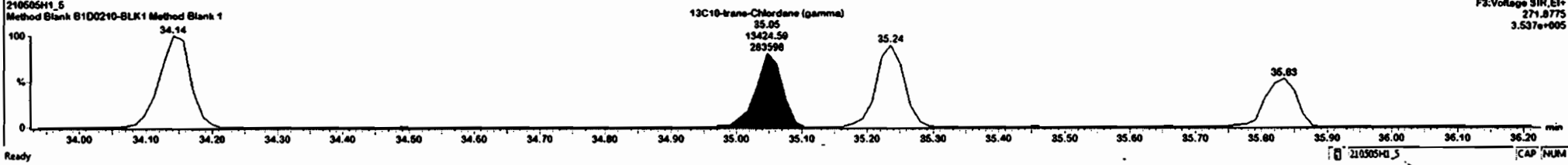
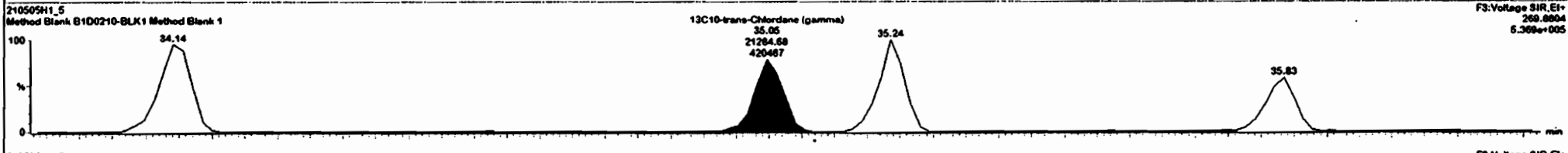
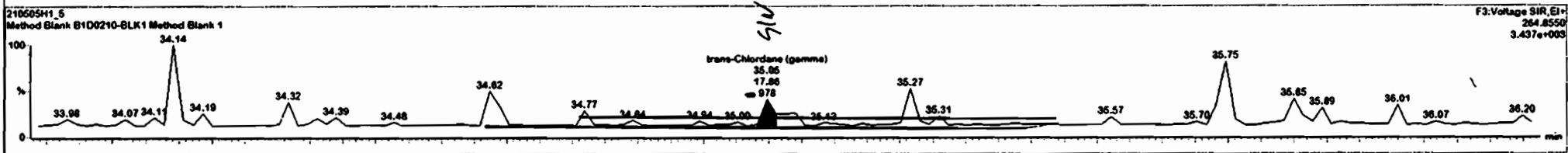
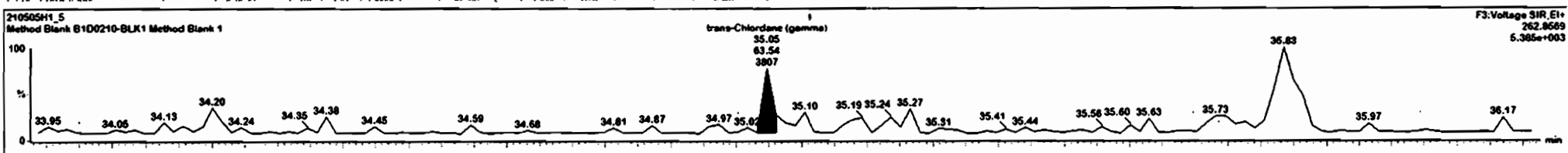
210505H1\_5



210505H1\_5



#	Name	Reso	S.AREA	RA	n/y	RRP	withol	RT	Prod RT	RRT	Prod.RRT	Check RRT	Conc	%Rec	DL	EMPC
9	9 Alder		1.41e5		HO	1.12	1.0000	30.82			1.001	YES			0.97	
10	10 Oxycardane		3.83e4		HO	1.11	1.0000	33.40			1.001	YES			2.24	
11	11 cis-Heptachlor Epoxide		4.80e4		HO	1.13	1.0000	34.12			1.001	YES			1.43	
12	12 trans-Heptachlor Epoxide		4.80e4		HO	0.27	1.0000	34.83			1.016	YES			5.92	
13	13 trans-Chlordane (gamma)	8.14e1	3.47e4	3.56	YES	1.19	1.0000	35.05	35.05	1.000	1.001	NO	1.984		1.08	1.18
14	14 trans-Nonachlor		4.03e4		HO	1.09	1.0000	35.24			1.000	YES			1.44	
15	15 cis-Chlordane		4.03e4		HO	1.20	1.0000	35.79			1.016	YES			1.30	
16	16 Endosulfan I (alpha)		2.62e4		HO	1.21	1.0000	35.87			1.001	YES			2.23	
17	17 4,4'-DDMU		8.49e4		HO		1.0000	35.49			0.994	YES			0.725	

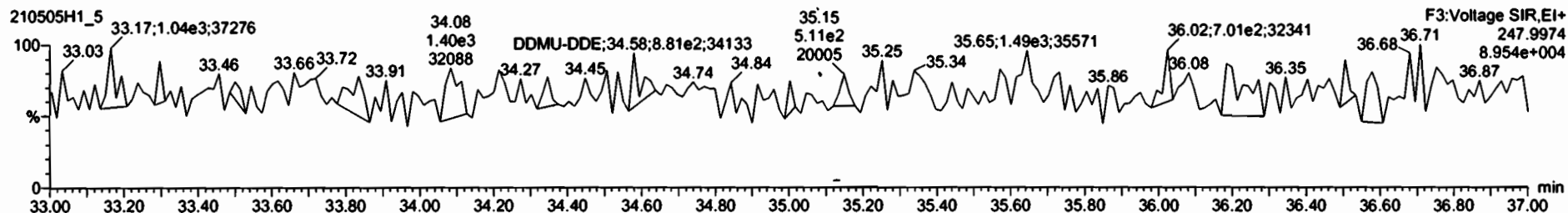
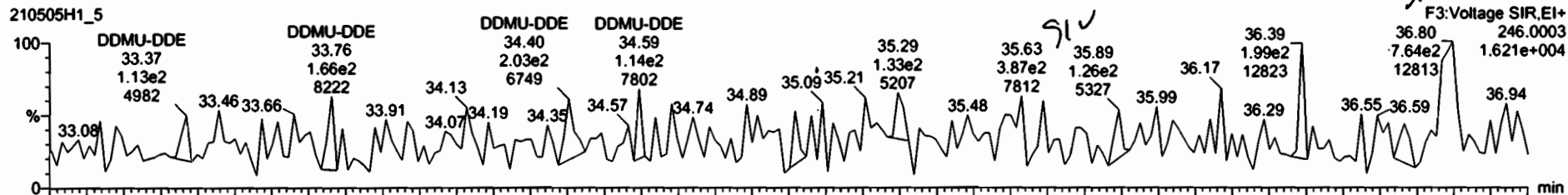


Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

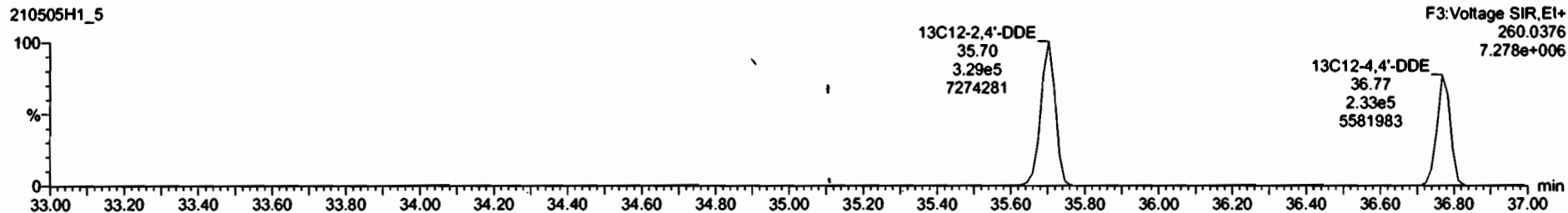
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Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

DDMU-DDE



DDE-isotopes



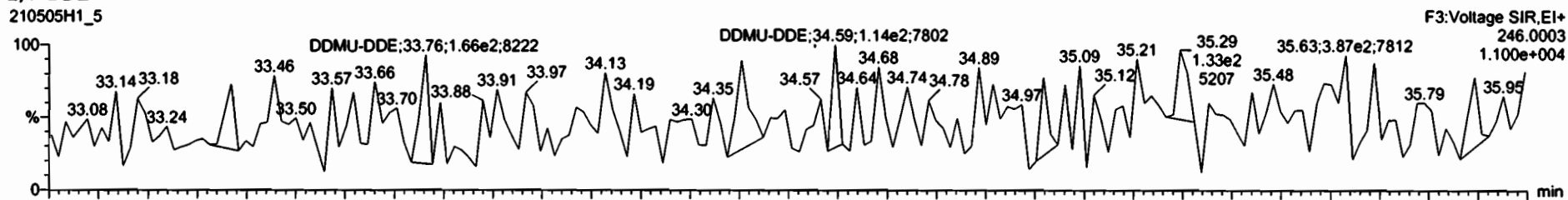
Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

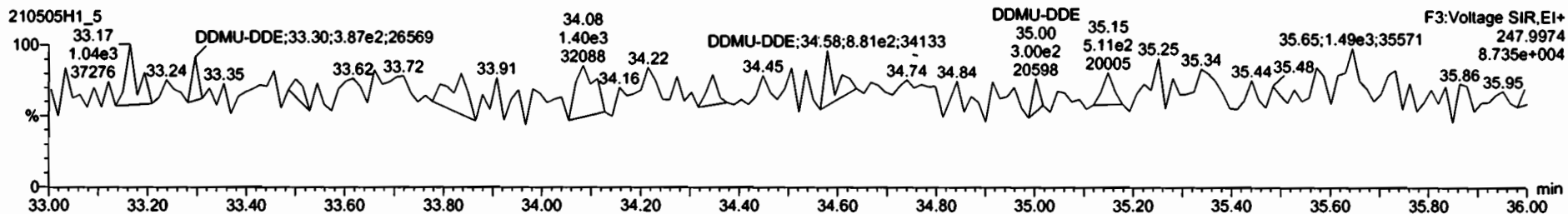
Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

2,4'-DDE

210505H1\_5



210505H1\_5

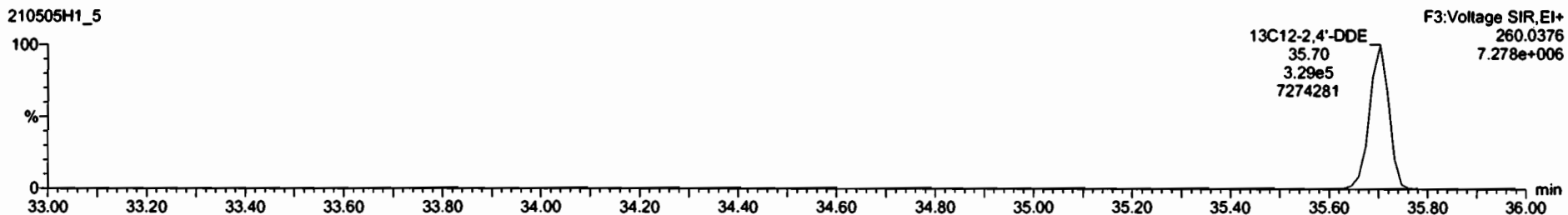


13C12-2,4'-DDE

210505H1\_5



210505H1\_5





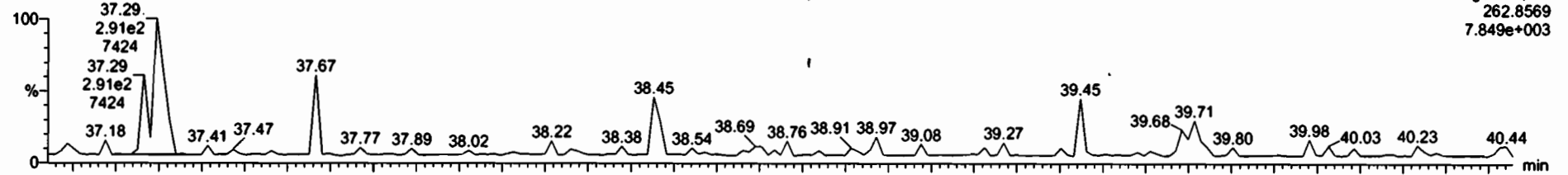
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Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

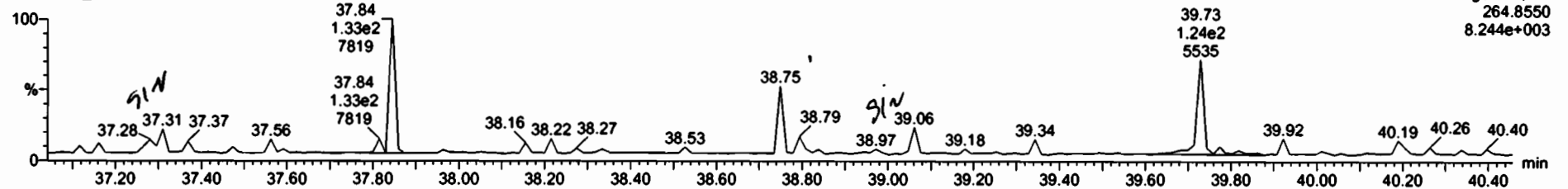
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Dieldrin-EII

210505H1\_5

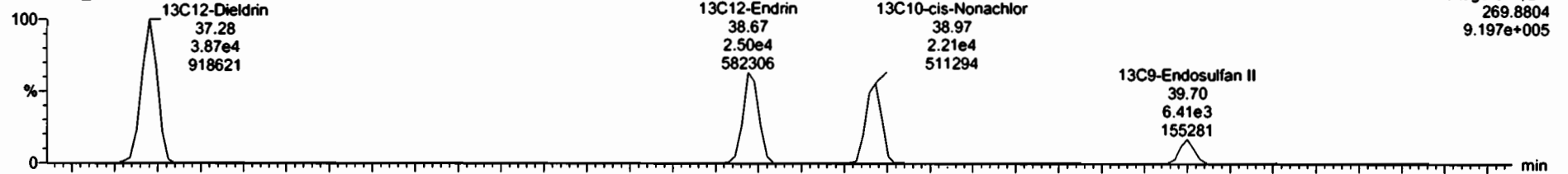


210505H1\_5

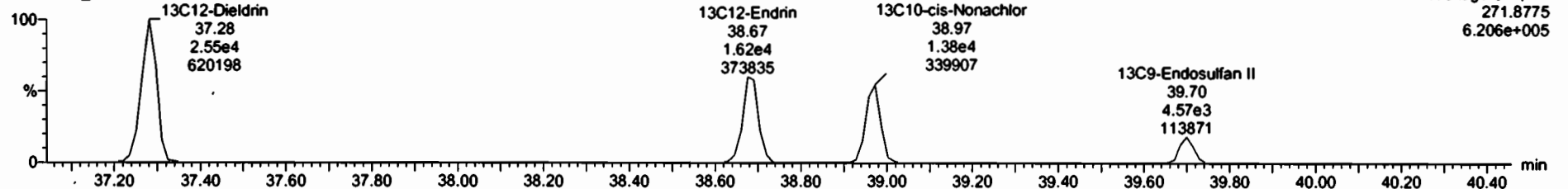


Dieldrin-EII-isotopes

210505H1\_5



210505H1\_5

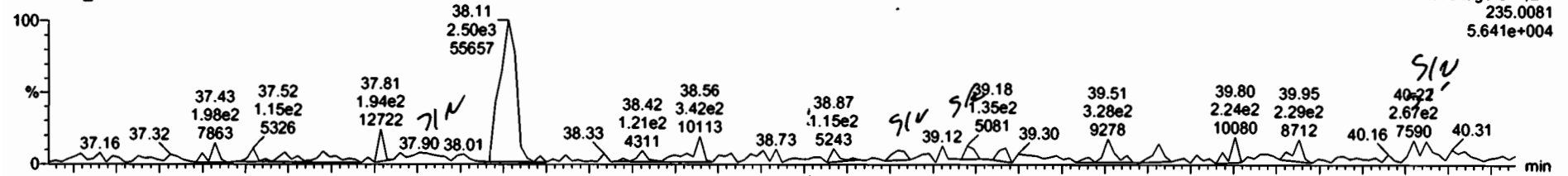


Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

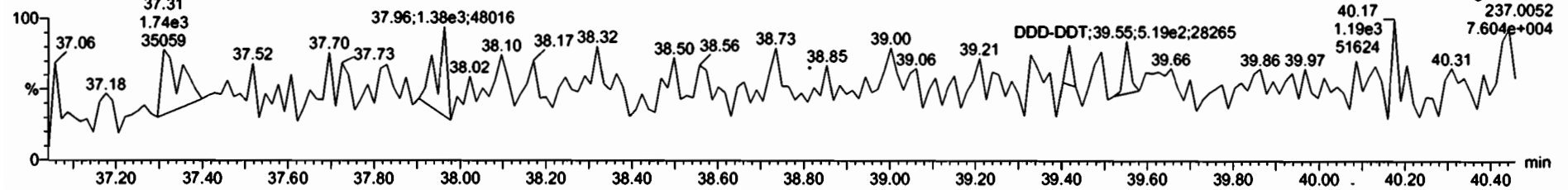
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

DDD-DDT  
210505H1\_5

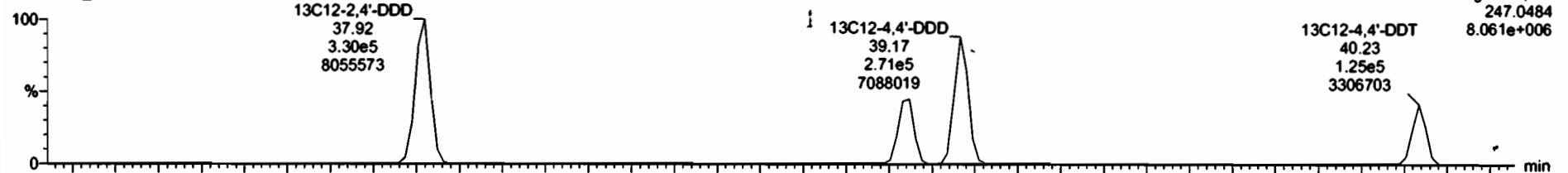


210505H1\_5

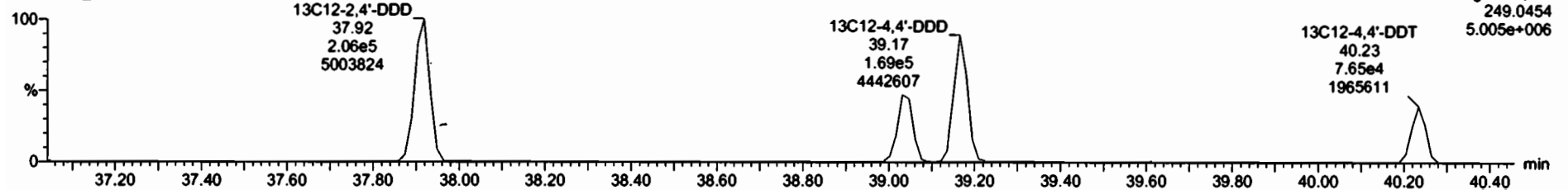


DDD-DDT-isotopes

210505H1\_5



210505H1\_5



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

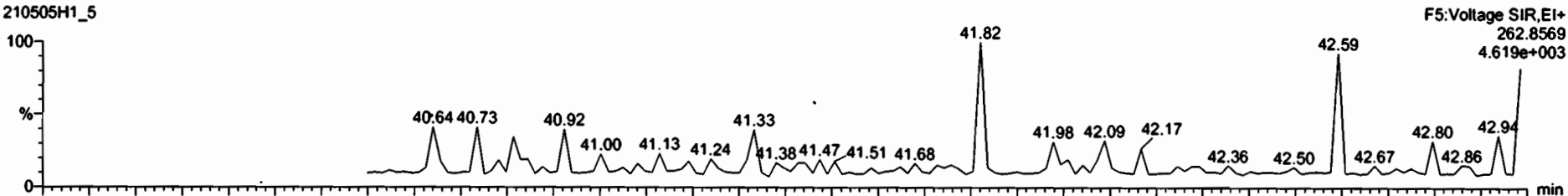
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Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

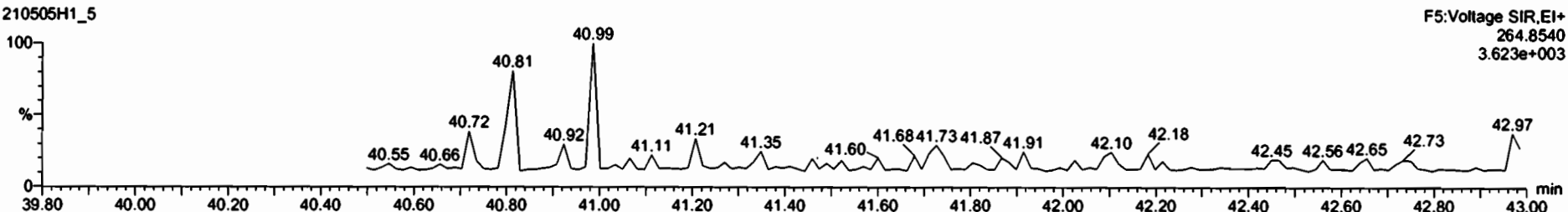
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Endosulfan Sulfate

210505H1\_5

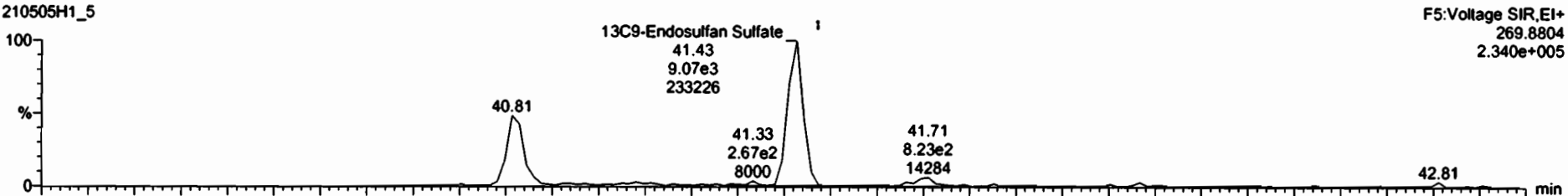


210505H1\_5

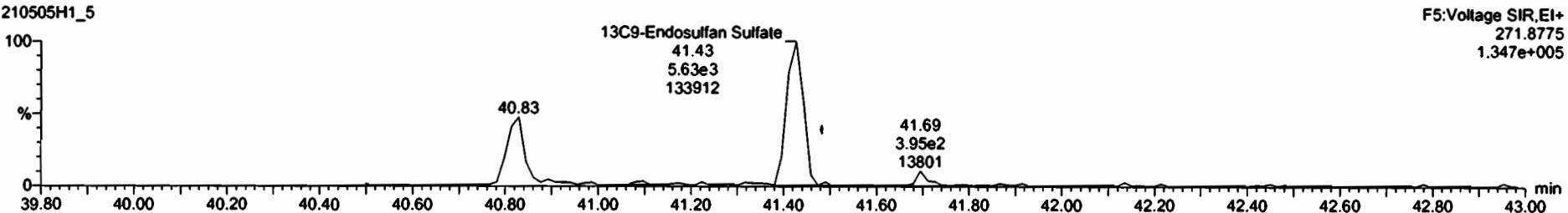


13C9-Endosulfan Sulfate

210505H1\_5



210505H1\_5



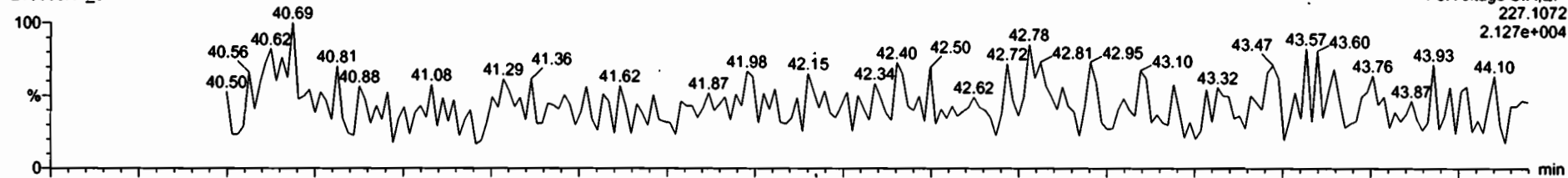
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Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

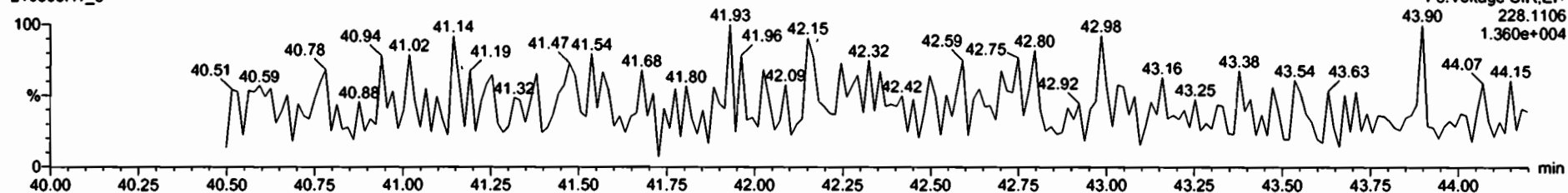
Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

4,4'-Methoxychlor

210505H1\_5

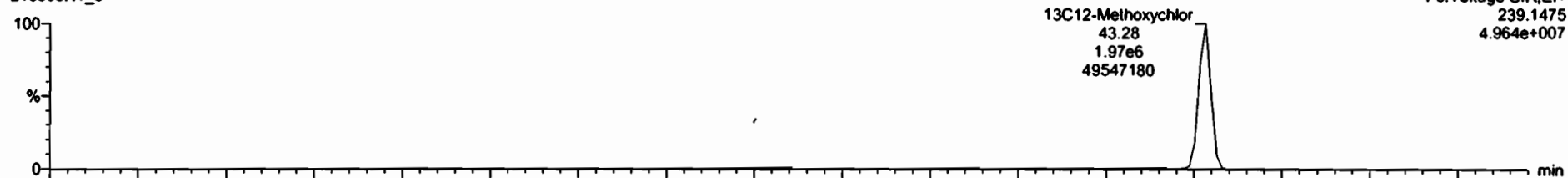


210505H1\_5

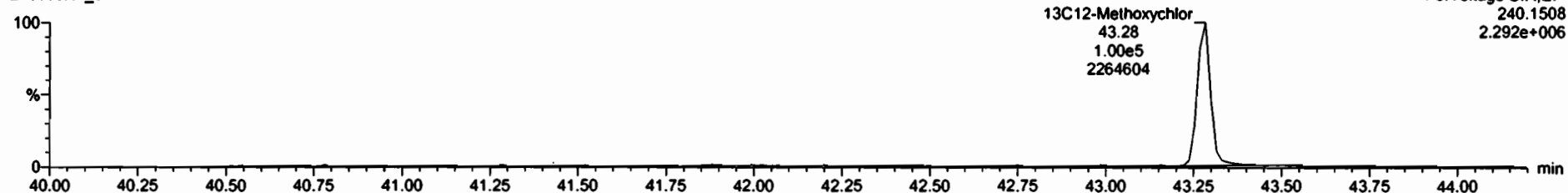


13C12-Methoxychlor

210505H1\_5



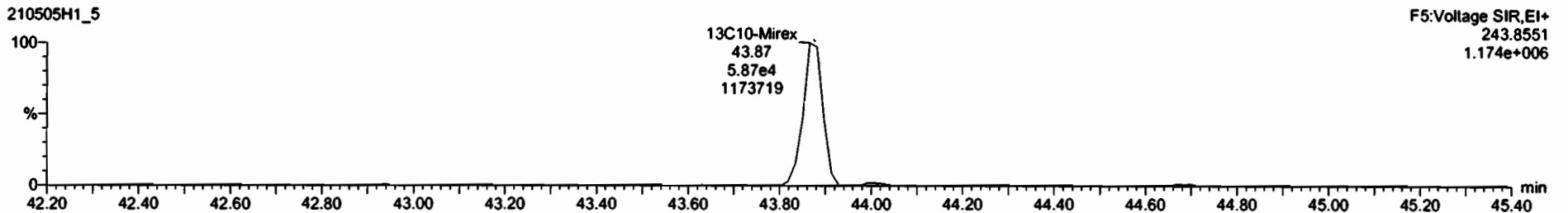
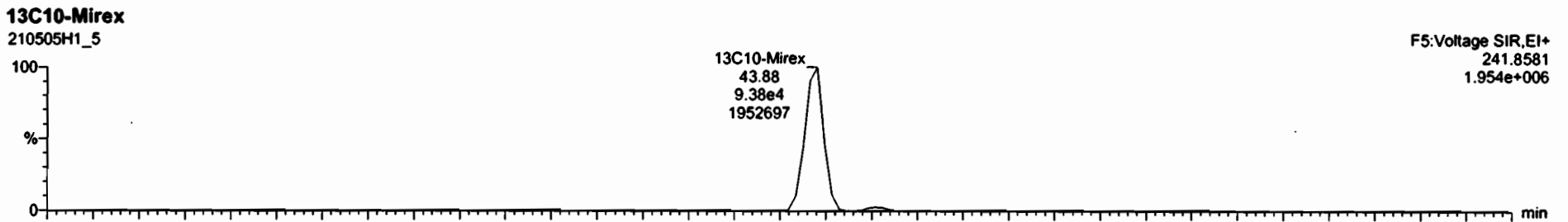
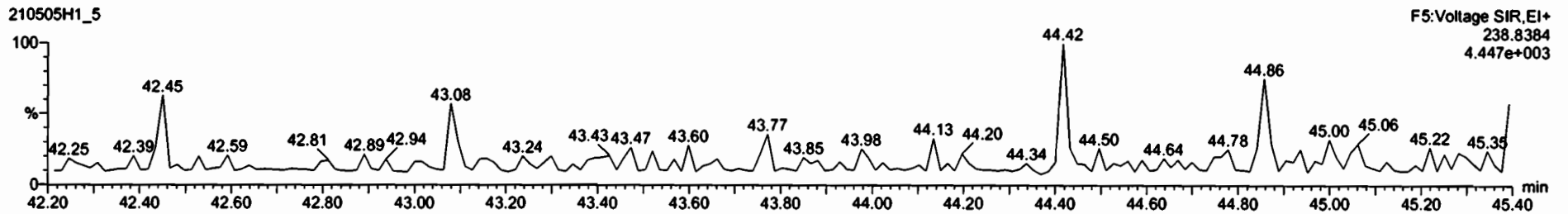
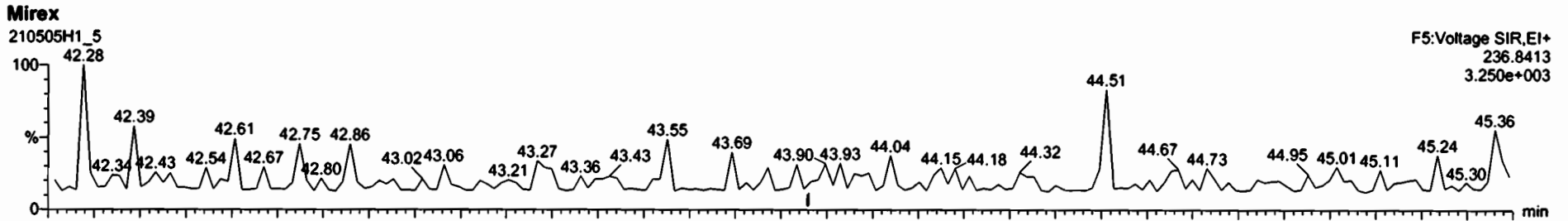
210505H1\_5



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

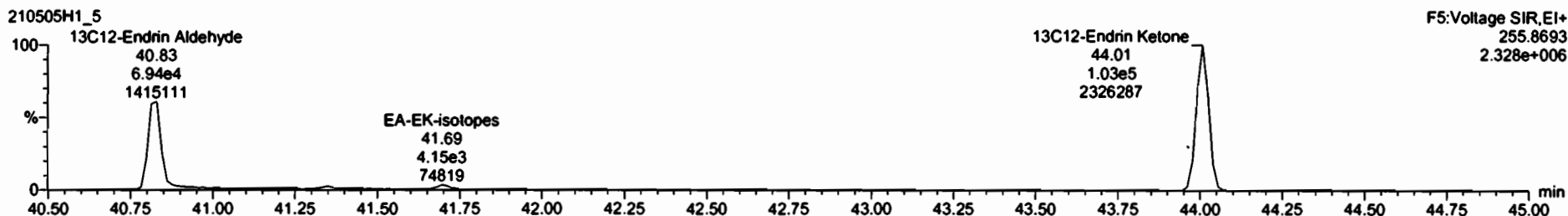
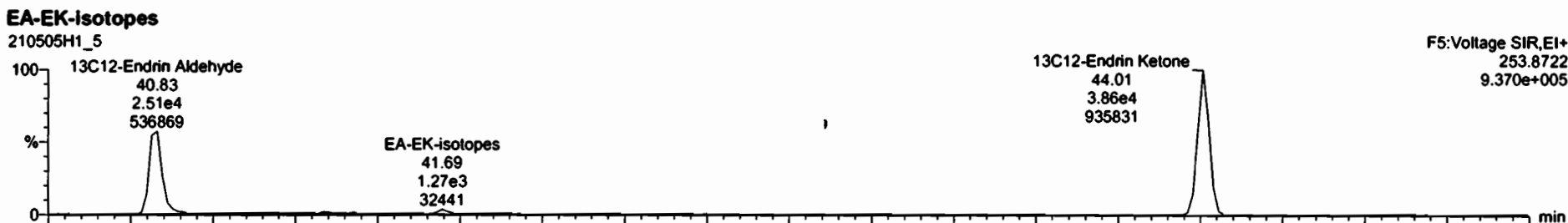
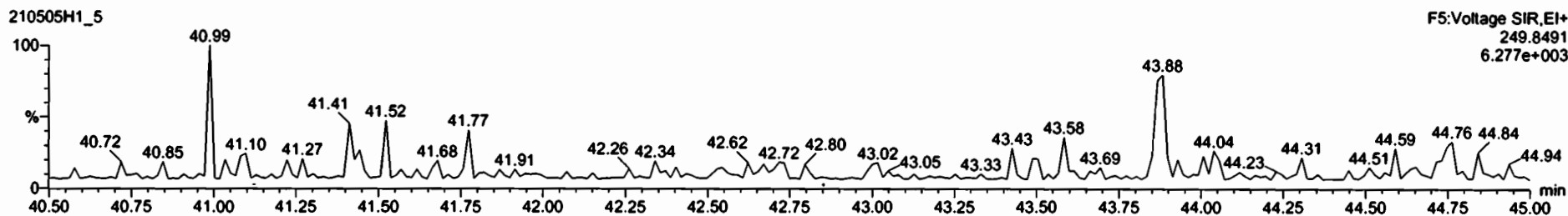
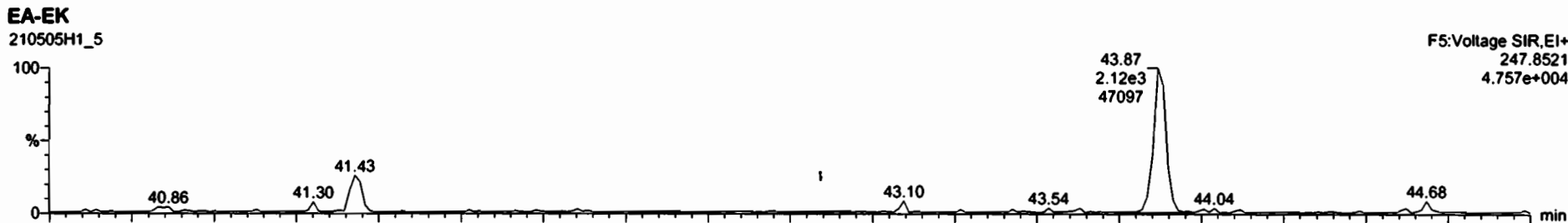


Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

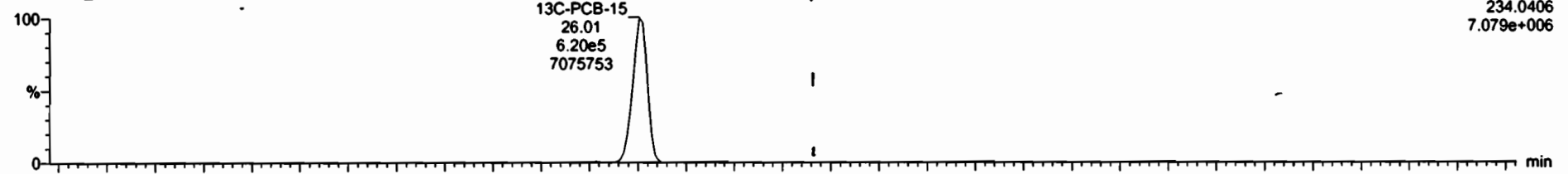
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Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

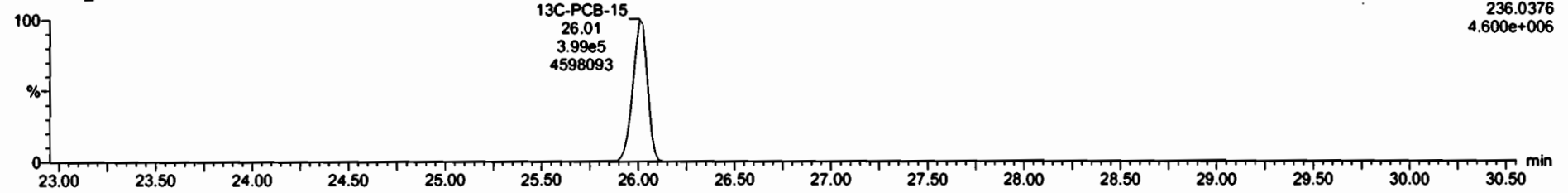
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13C-PCB-15

210505H1\_5

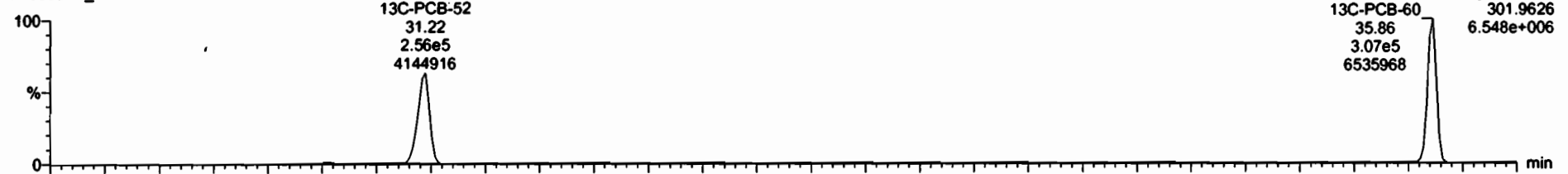


210505H1\_5

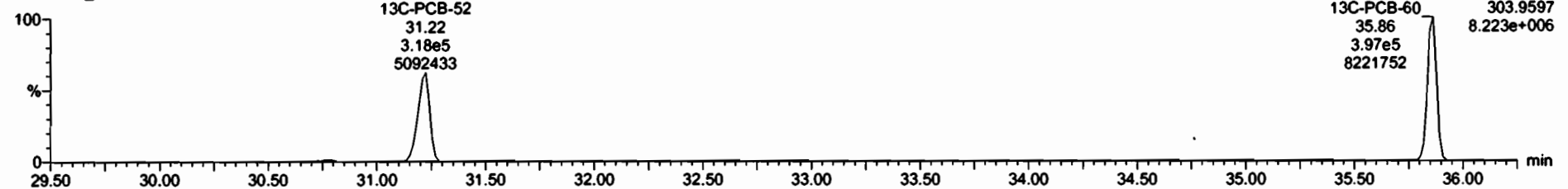


13C-PCB-60

210505H1\_5



210505H1\_5



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

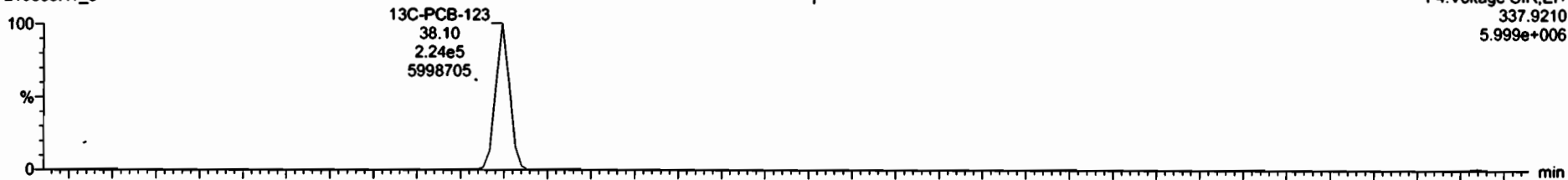
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

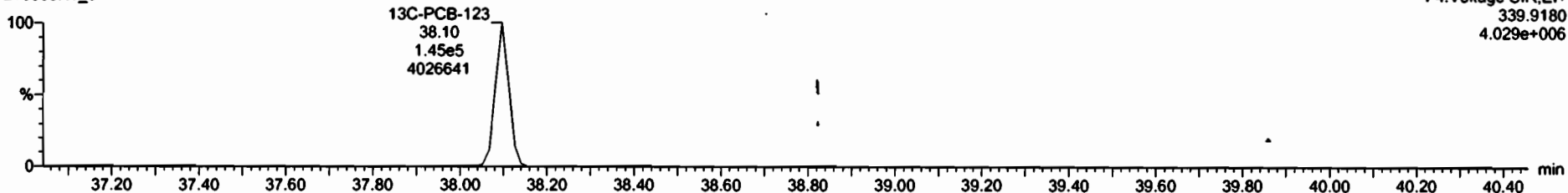
**13C-PCB-123**

210505H1\_5



F4:Voltage SIR,EI+  
337.9210  
5.999e+006

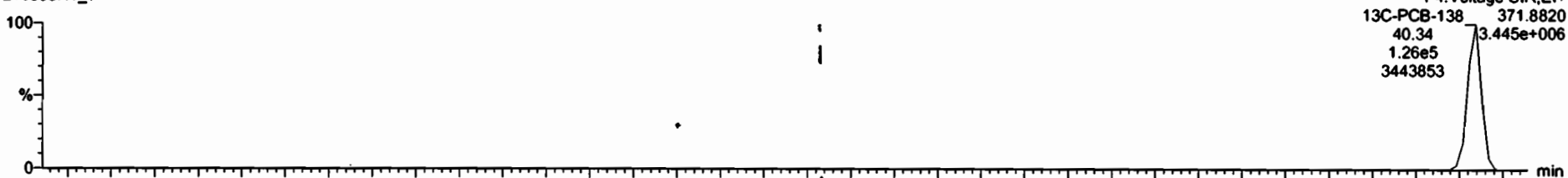
210505H1\_5



F4:Voltage SIR,EI+  
339.9180  
4.029e+006

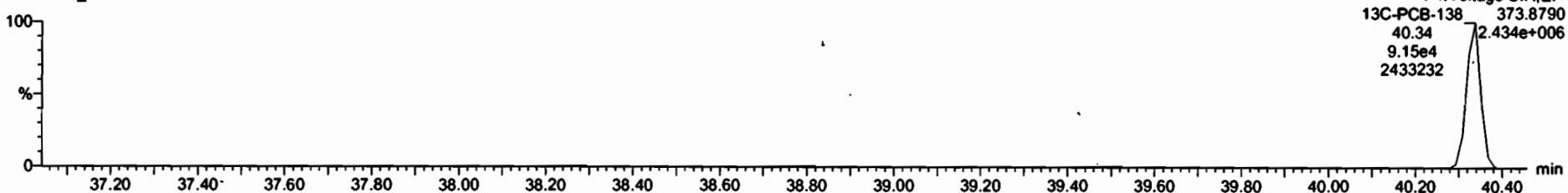
**13C-PCB-138**

210505H1\_5



F4:Voltage SIR,EI+  
13C-PCB-138 371.8820  
40.34 3.445e+006  
1.26e5  
3443853

210505H1\_5



F4:Voltage SIR,EI+  
13C-PCB-138 373.8790  
40.34 2.434e+006  
9.15e4  
2433232



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

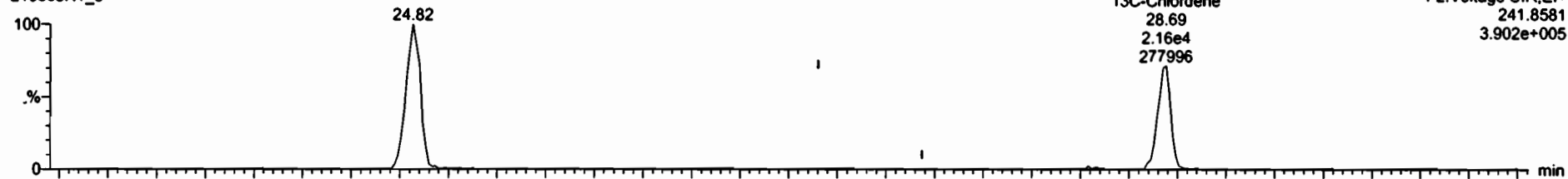
Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank

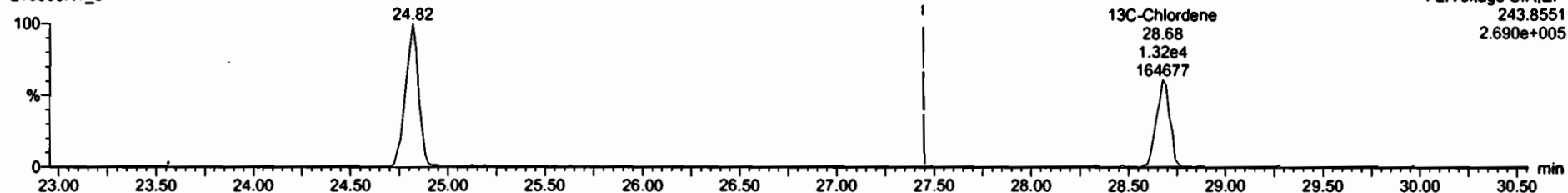
13C-Chlordene

210505H1\_5



F2:Voltage SIR,EI+  
241.8581  
3.902e+005

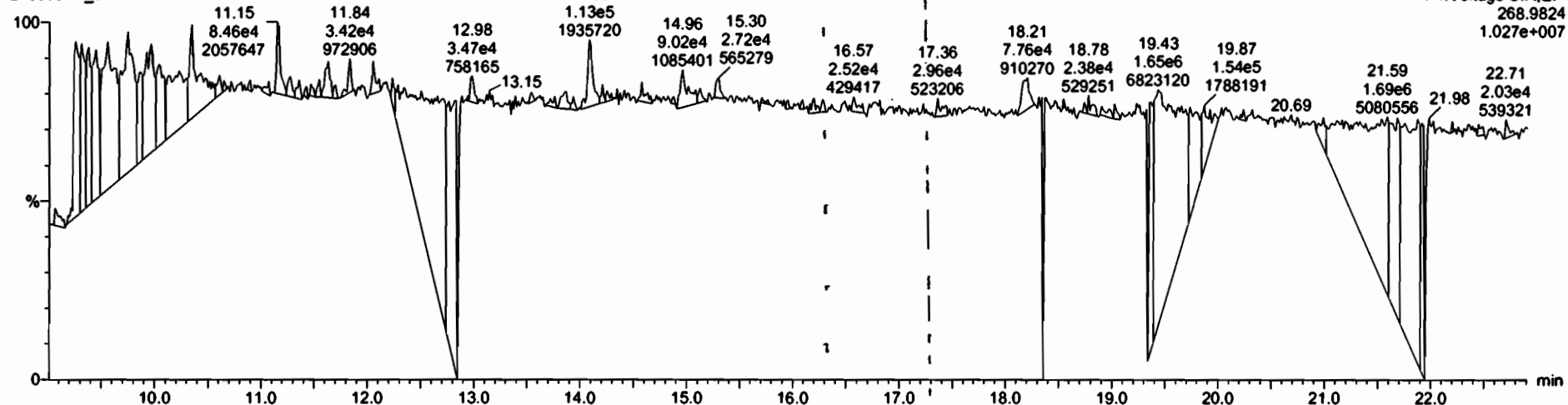
210505H1\_5



F2:Voltage SIR,EI+  
243.8551  
2.690e+005

PFK1

210505H1\_5

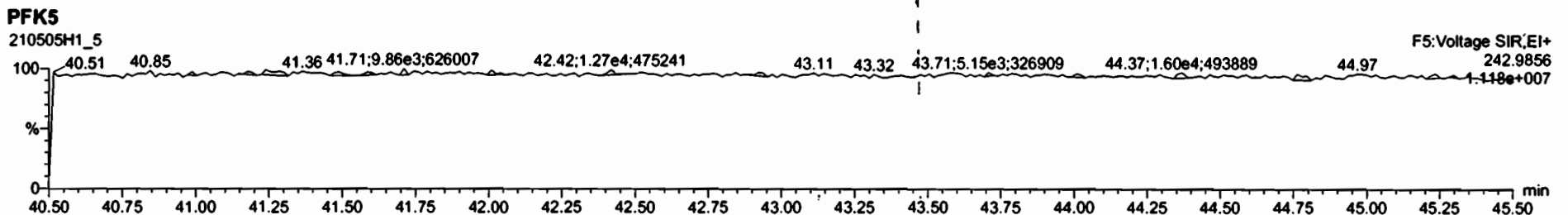
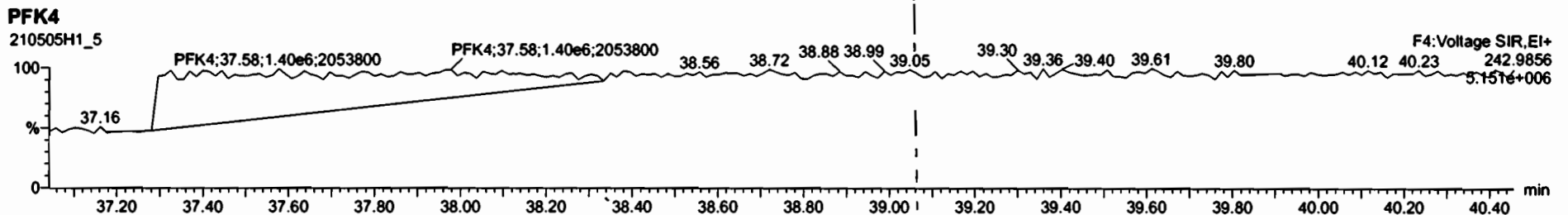
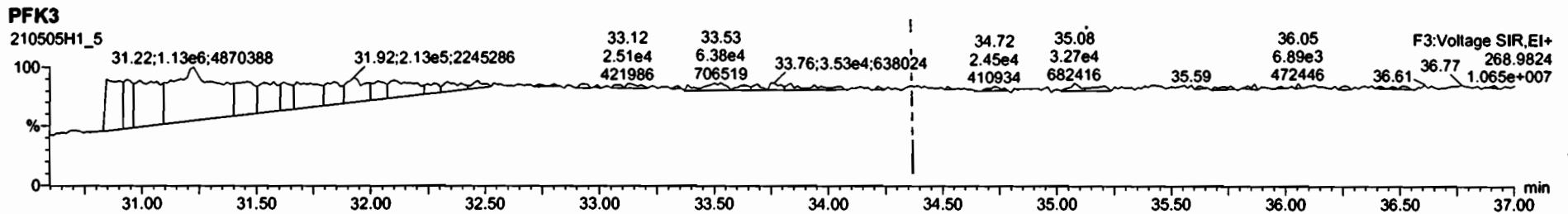
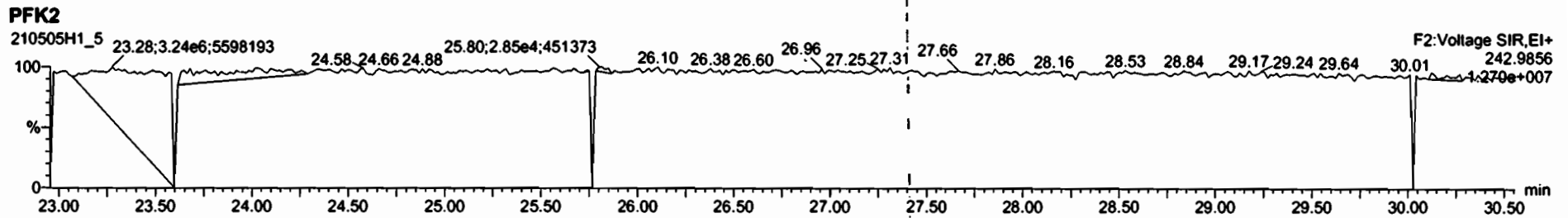


F1:Voltage SIR,EI+  
268.9824  
1.027e+007

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_5.qld

Last Altered: Wednesday, May 05, 2021 1:26:16 PM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:59 PM Pacific Daylight Time

Name: 210505H1\_5, Date: 05-May-2021, Time: 12:28:19, ID: B1D0210-BLK1 Method Blank 1, Description: Method Blank



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:19:04 Pacific Daylight Time

*DT 05/05/21*  
*05/06/21*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

*05/06/2021*

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
4	Lindane (gamma-...	1.40e5	1.65e5	2.16	NO	0.847	1.000	26.56	1.001	1.000	NO	1006.5	3.54	1010	
9	Aldrin	1.59e5	1.58e5	1.64	NO	1.12	1.000	30.82	1.001	1.001	NO	901.39	1.04	901	
10	Oxychlorane	4.46e4	4.74e4	1.73	NO	1.11	1.000	33.38	1.001	1.001	NO	851.12	2.94	851	
13	trans-Chlordane (g...	4.47e4	4.02e4	1.72	NO	1.19	1.000	35.08	1.001	1.001	NO	930.26	2.53	930	
14	trans-Nonachlor	4.54e4	4.43e4	1.55	NO	1.09	1.000	35.25	1.000	1.000	NO	941.34	2.58	941	
15	cis-Chlordane	4.93e4	4.43e4	1.62	NO	1.20	1.000	35.75	1.015	1.016	NO	925.86	2.34	926	
18	2,4'-DDE	9.22e5	1.01e6	1.54	NO	1.01	1.000	35.72	1.000	1.000	NO	896.97	1.64	897	
19	4,4'-DDE	6.72e5	7.39e5	1.55	NO	1.03	1.000	36.78	1.000	1.000	NO	880.49	2.06	880	
20	Dieldrin	7.65e4	7.91e4	1.60	NO	1.05	1.000	37.31	1.001	1.001	NO	918.34	1.87	918	
22	cis-Nonachlor	4.36e4	4.31e4	1.54	NO	1.05	1.000	38.99	1.001	1.000	NO	959.12	3.36	959	

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:19:15 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
24	2,4'-DDD	6.35e5	6.92e5	1.56	NO	1.03	1.000	37.93	1.000	1.000	NO	893.80		2.76	894
25	2,4'-DDT	3.45e5	3.48e5	1.55	NO	1.02	1.000	39.05	1.000	1.000	NO	974.88		5.25	975
26	4,4'-DDD	6.02e5	5.88e5	1.53	NO	1.10	1.000	39.18	1.000	1.000	NO	929.06		2.75	929
27	4,4'-DDT	2.83e5	2.79e5	1.52	NO	1.11	1.000	40.25	1.000	1.001	NO	914.84		5.56	915
36	13C6-Lindane (ga...	1.65e5	1.12e6	0.81	NO	0.190	1.000	26.52	1.020	1.019	NO	772.57	77.3	7.51	
40	13C12-Aldrin	1.58e5	1.12e6	1.54	NO	0.152	1.000	30.77	1.183	1.181	NO	922.79	92.3	2.00	
41	13C10-Oxychlorda...	4.74e4	1.12e6	1.59	NO	0.0441	1.000	33.35	1.282	1.280	NO	957.31	95.7	6.89	

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:19:23 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	fw/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	4.02e4	1.12e6	1.54	NO	0.0390	1.000	35.05	1.348	1.344	NO	919.18	91.9	7.79	
2	44 13C10-trans-Nona...	4.43e4	7.94e5	1.56	NO	0.0772	1.000	35.24	0.983	0.983	NO	722.12	72.2	3.04	
3	46 13C12-2,4'-DDE	1.01e6	7.94e5	1.52	NO	1.84	1.000	35.70	0.996	0.995	NO	693.85	69.4	0.818	
4	47 13C12-4,4'-DDE	7.39e5	7.94e5	1.60	NO	1.31	1.000	36.77	1.025	1.026	NO	712.56	71.3	1.15	
5	48 13C12-Dieldrin	7.91e4	7.94e5	1.57	NO	0.177	1.000	37.28	1.040	1.040	NO	562.15	56.2	1.63	
6	50 13C10-cis-Nonach...	4.31e4	7.94e5	1.69	NO	0.0908	1.000	38.96	1.086	1.087	NO	597.71	59.8	3.18	
7	52 13C12-2,4'-DDD	6.92e5	7.94e5	1.61	NO	1.21	1.000	37.92	1.057	1.057	NO	718.00	71.8	1.45	
8	53 13C12-2,4'-DDT	3.48e5	7.94e5	1.54	NO	0.662	1.000	39.03	1.088	1.089	NO	661.64	66.2	2.65	
9	54 13C12-4,4'-DDD	5.88e5	7.94e5	1.60	NO	0.950	1.000	39.17	1.092	1.092	NO	779.54	78.0	1.85	
10	55 13C12-4,4'-DDT	2.79e5	7.94e5	1.56	NO	0.455	1.000	40.24	1.122	1.122	NO	773.14	77.3	3.87	
11	62 13C-PCB-15	1.12e6	1.12e6	1.55	NO	1.00	1.000	26.01	1.000	1.000	NO	1000.0	100	0.762	

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Thursday, May 06, 2021 10:17:45 Pacific Daylight Time

Printed: Thursday, May 06, 2021 10:19:28 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
63	13C-PCB-60	7.94e5	7.94e5	0.79	NO	1.00	1.000	35.86	1.000	1.000	NO	1000.0	100	1.44	

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

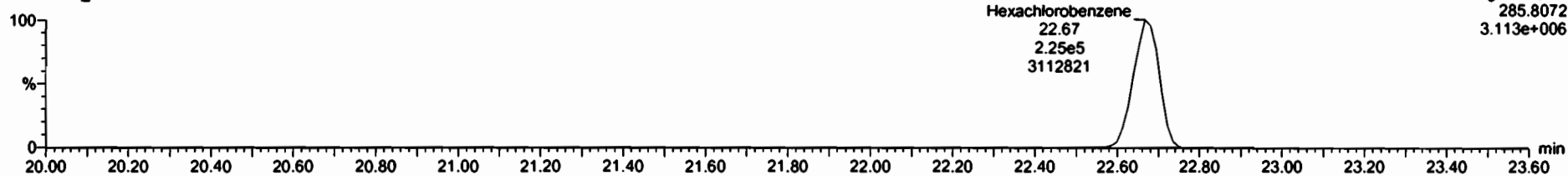
Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

**Hexachlorobenzene**

210505H1\_3



210505H1\_3

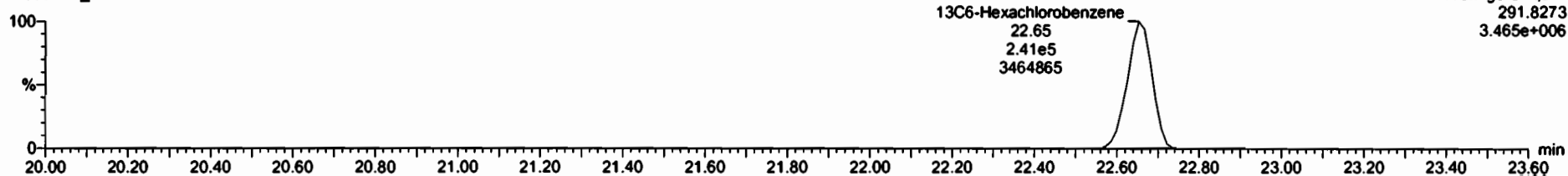


**13C6-Hexachlorobenzene**

210505H1\_3



210505H1\_3



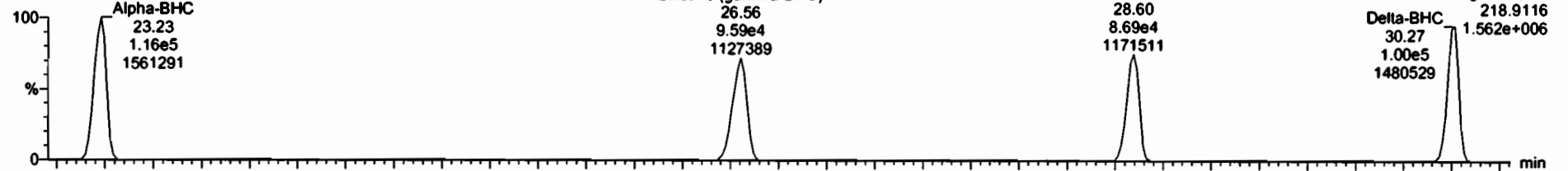
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Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

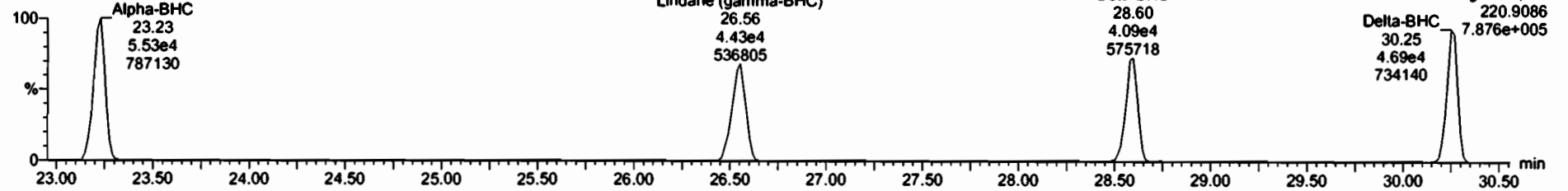
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**BHC Totals**

210505H1\_3

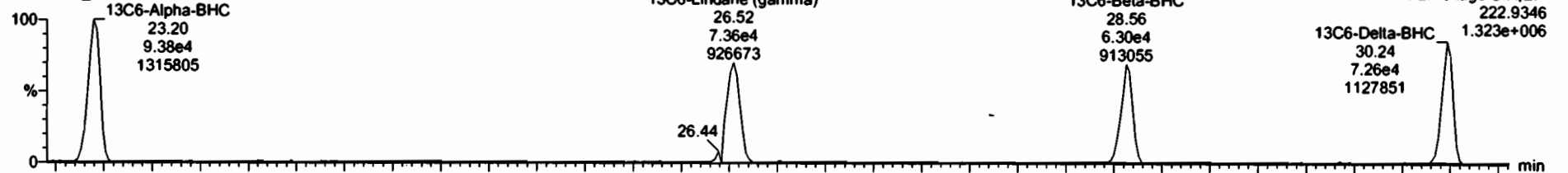


210505H1\_3

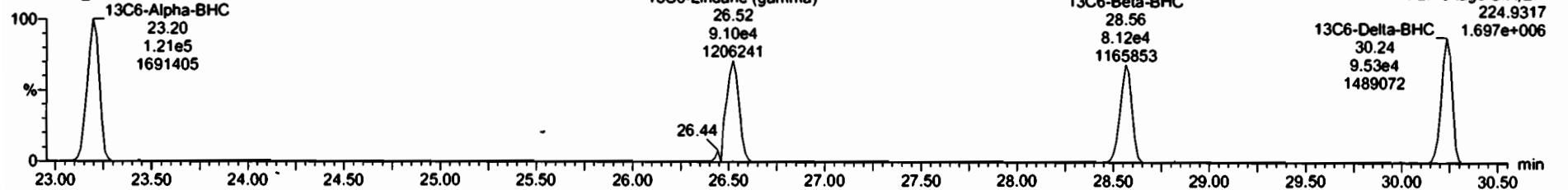


**BHC-isotopes**

210505H1\_3



210505H1\_3





Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

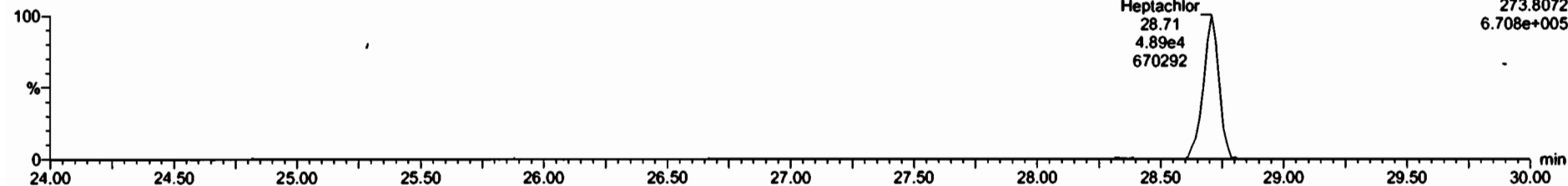
**Heptachlor**

210505H1\_3



F2:Voltage SIR,EI+  
271.8102  
8.939e+005

210505H1\_3



F2:Voltage SIR,EI+  
273.8072  
6.708e+005

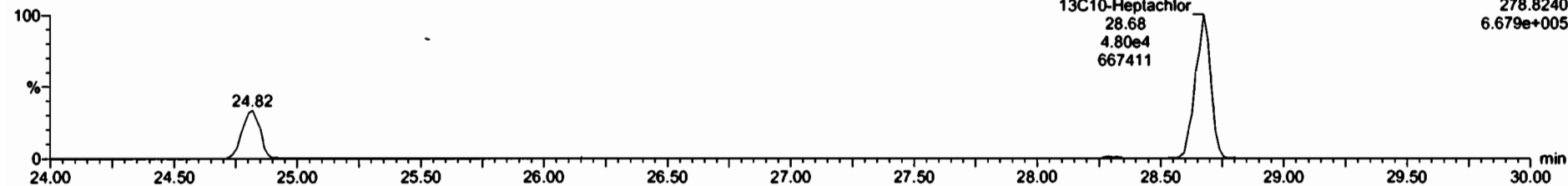
**13C10-Heptachlor**

210505H1\_3



F2:Voltage SIR,EI+  
276.8269  
8.218e+005

210505H1\_3



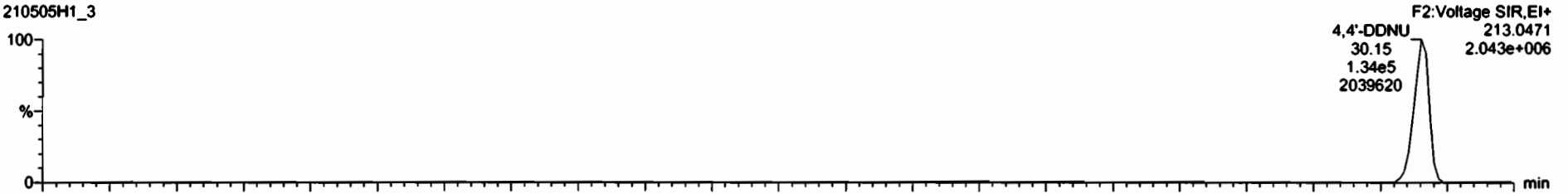
F2:Voltage SIR,EI+  
278.8240  
6.679e+005

Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

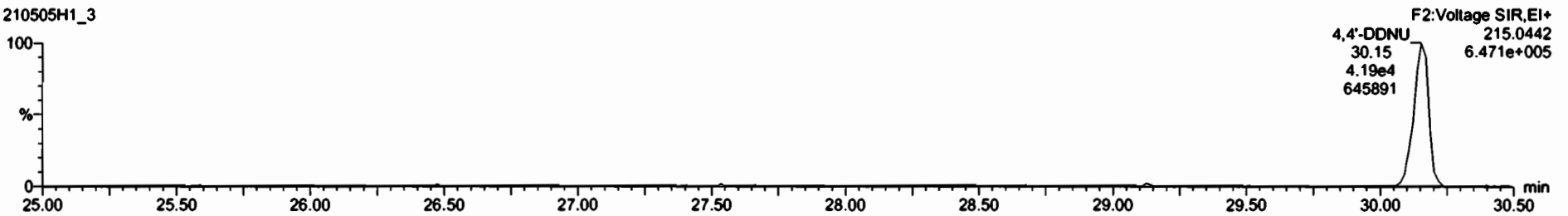
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Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

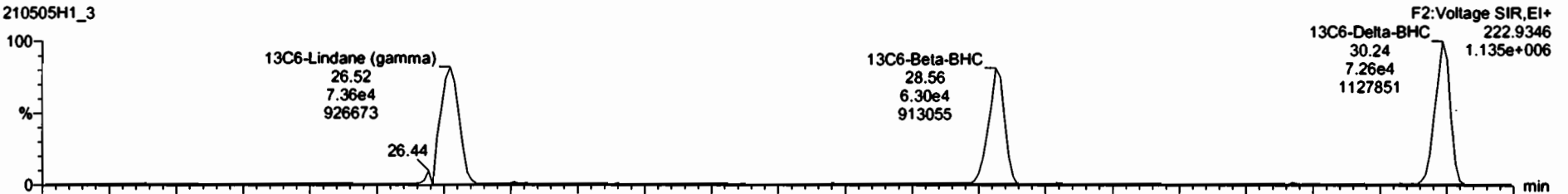
4,4'-DDNU  
210505H1\_3



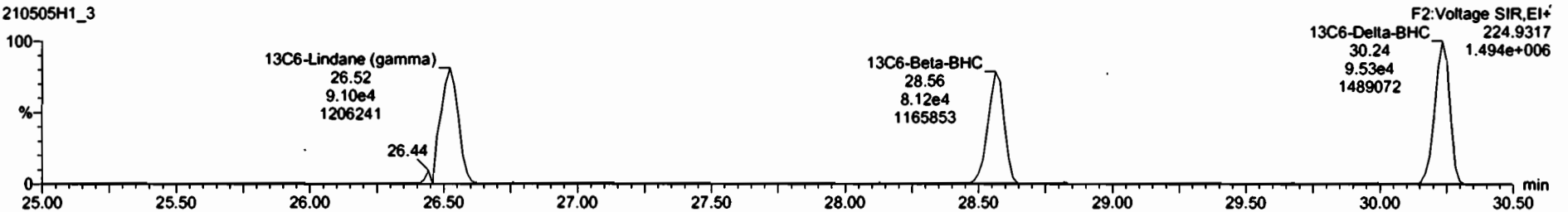
210505H1\_3



13C6-Delta-BHC  
210505H1\_3



210505H1\_3

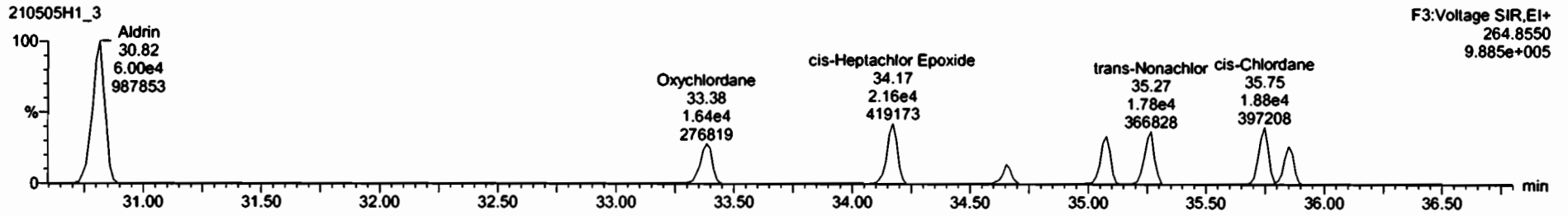
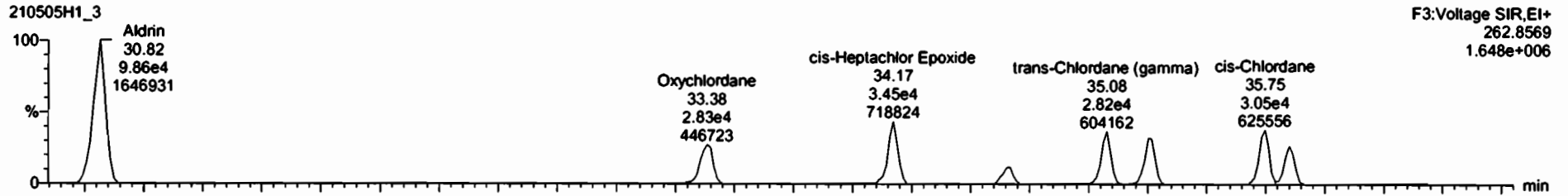


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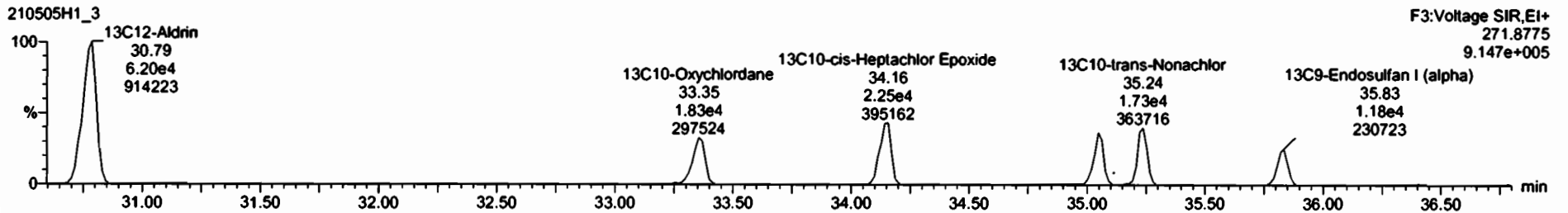
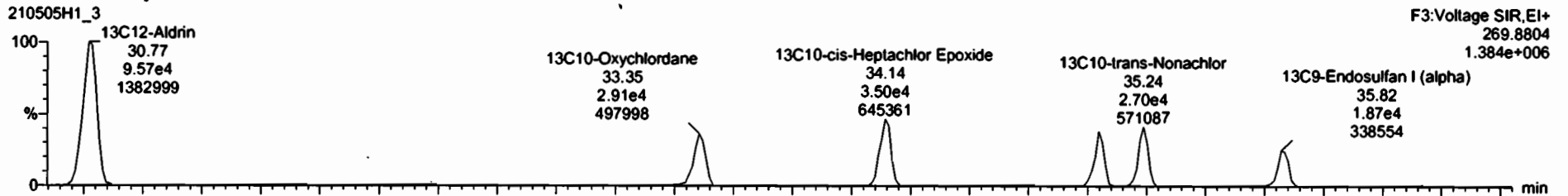
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Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

**Aldrin-EI**



**Aldrin-EI-isotopes**



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

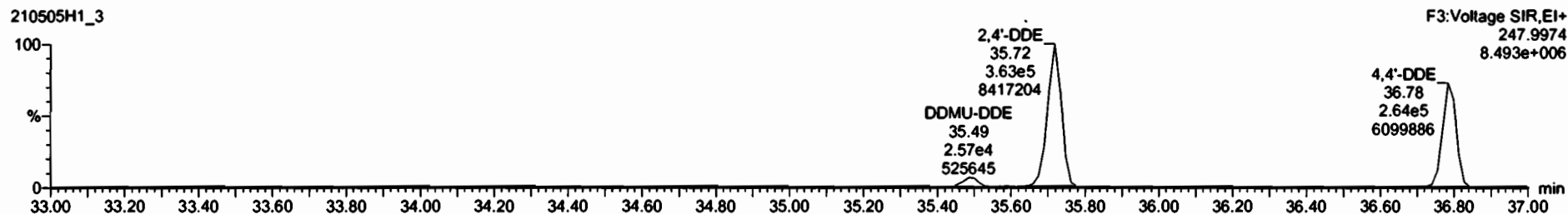
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**DDMU-DDE**

210505H1\_3

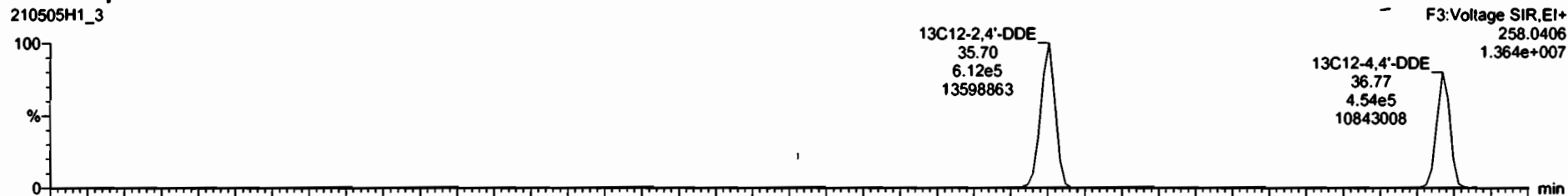


210505H1\_3

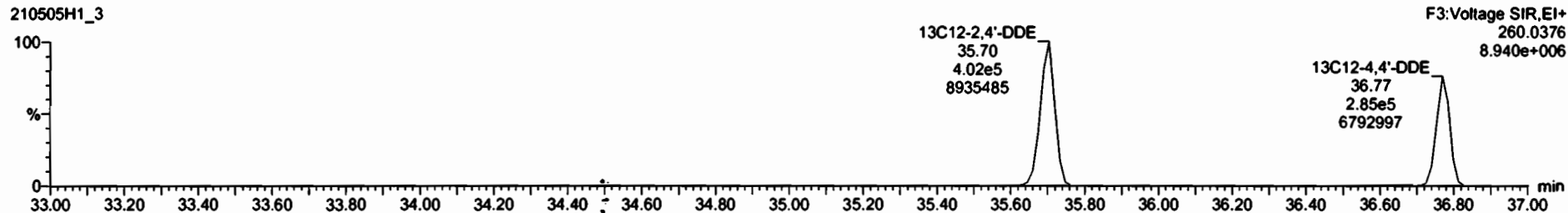


**DDE-isotopes**

210505H1\_3



210505H1\_3



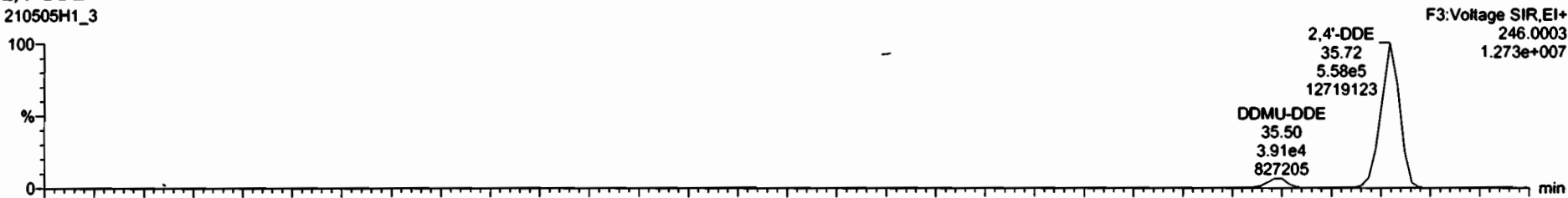
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Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

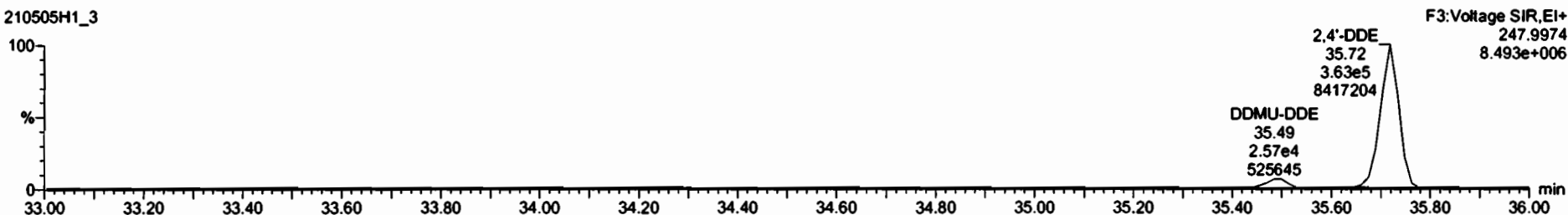
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**2,4'-DDE**

210505H1\_3



210505H1\_3

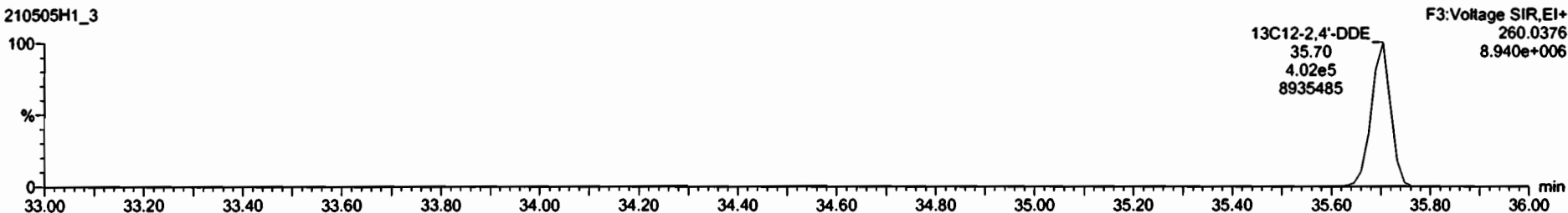


**13C12-2,4'-DDE**

210505H1\_3



210505H1\_3



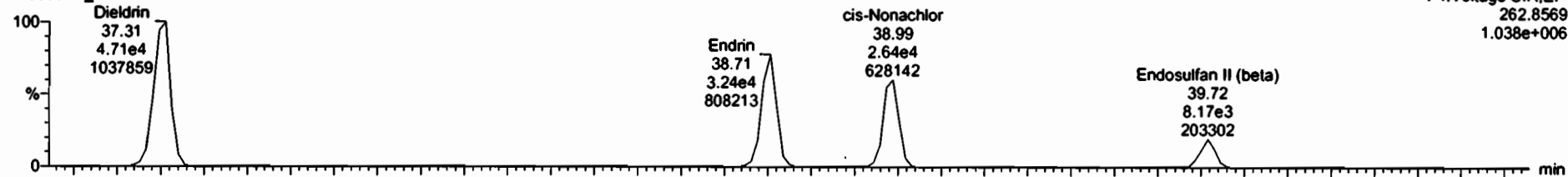
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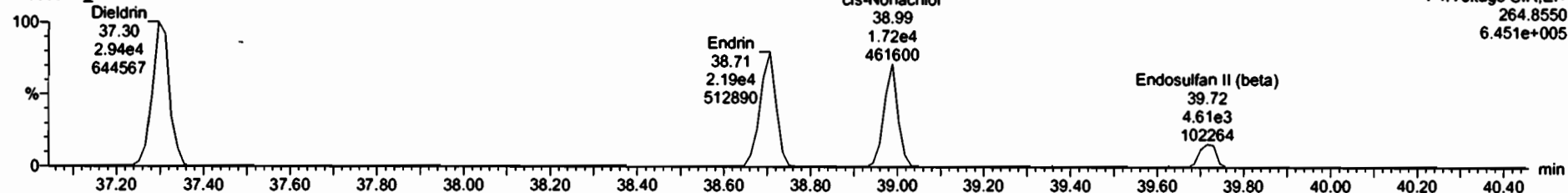
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Dieldrin-EII

210505H1\_3

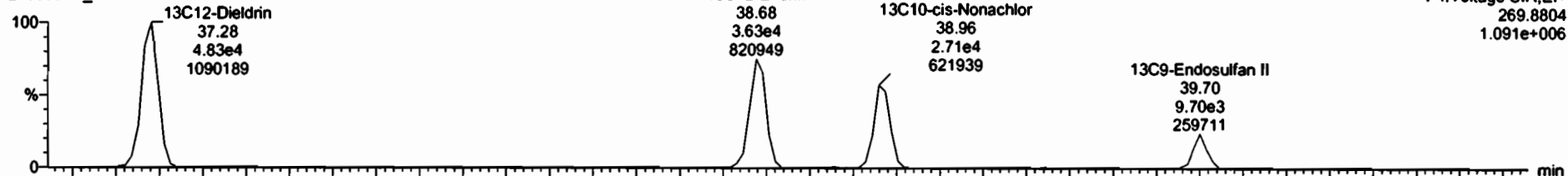


210505H1\_3

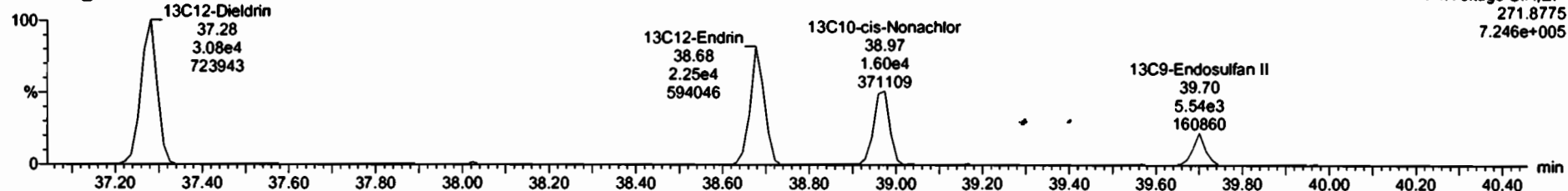


Dieldrin-EII-isotopes

210505H1\_3



210505H1\_3



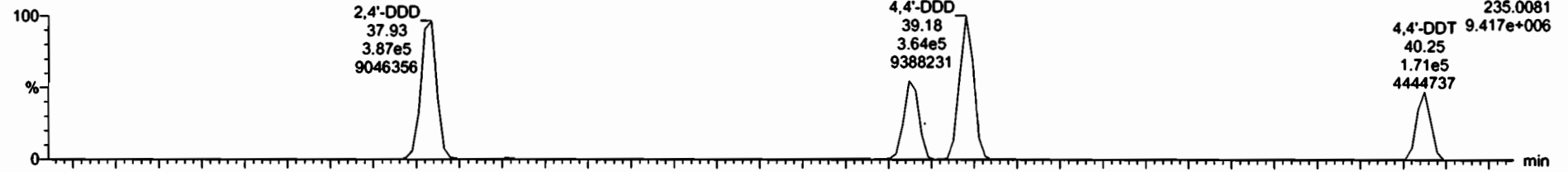
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Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

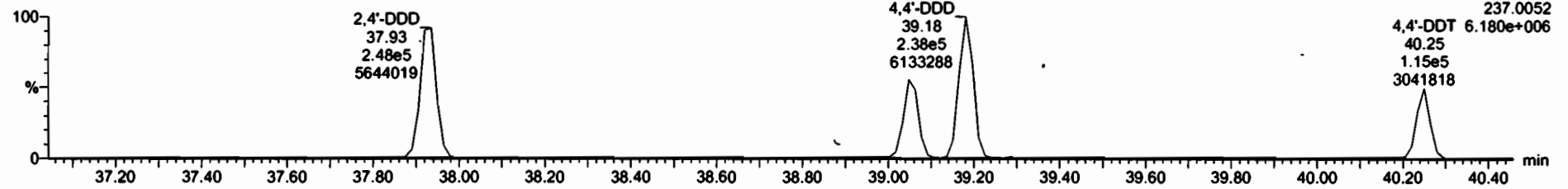
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DDD-DDT

210505H1\_3

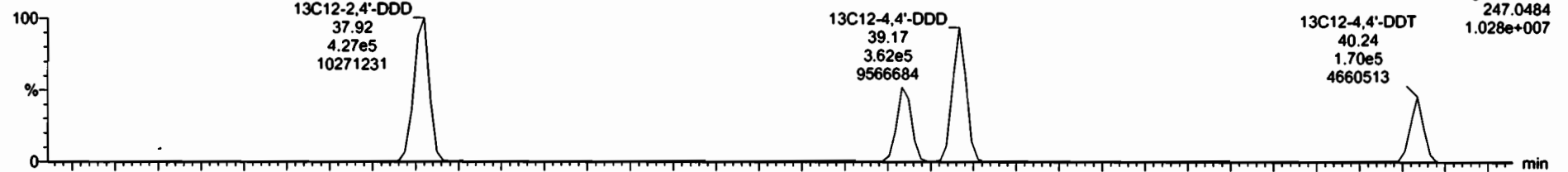


210505H1\_3

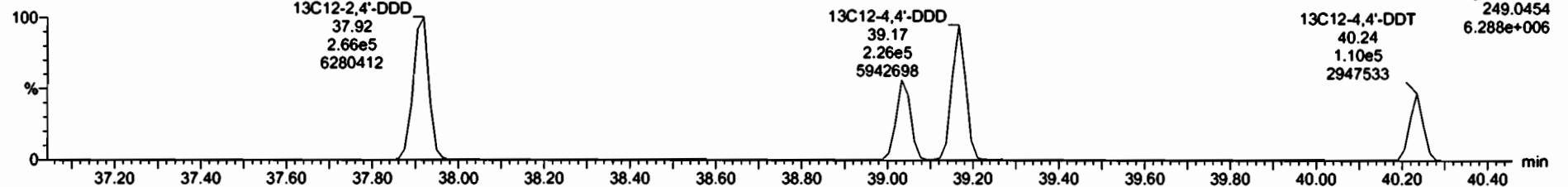


DDD-DDT-isotopes

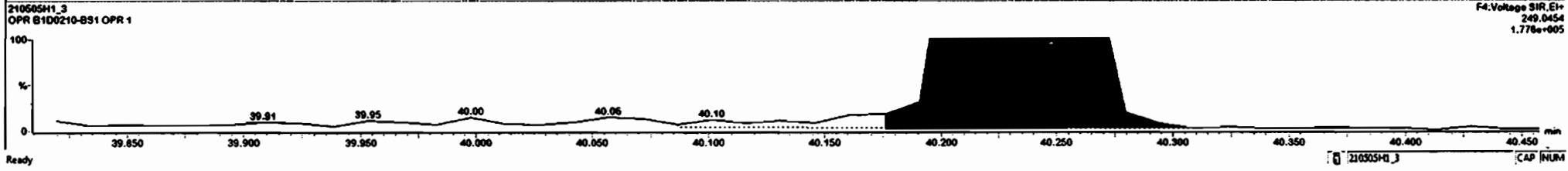
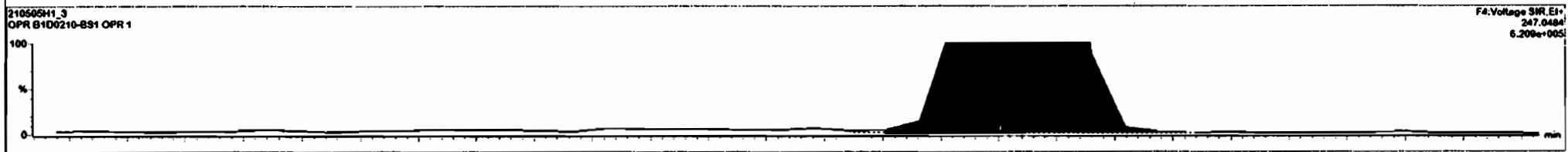
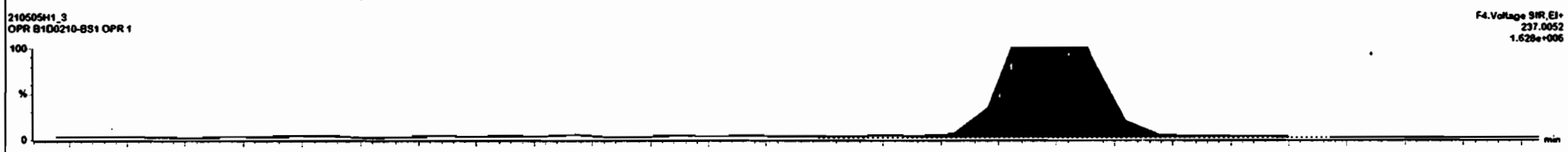
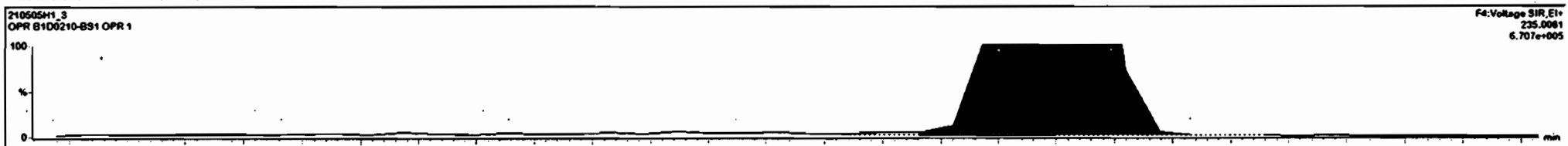
210505H1\_3



210505H1\_3



#	Name	Resp	BAREA	RA	ny	RRF	wt/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
50	13C10-ox-Monochlor	4.31e4	7.94e5	1.65	NO	0.00	1.0000	38.98	38.98	1.006	1.027	NO	597.7	59.8	3.18	
51	13C9-Endosulfan S	1.52e4	7.94e5	1.75	NO	0.03	1.0000	39.70	39.71	1.107	1.107	NO	642.7	64.3	9.87	
52	13C12-2,4-DDC	6.92e5	7.94e5	1.81	NO	1.21	1.0000	37.82	37.90	1.057	1.057	NO	712.0	71.8	1.45	
53	13C12-2,4-DDT	3.48e5	7.94e5	1.54	NO	0.86	1.0000	39.02	39.06	1.088	1.090	NO	661.6	66.2	2.55	
54	13C12-2,4-DDD	5.88e5	7.94e5	1.80	NO	0.95	1.0000	39.17	39.18	1.092	1.092	NO	779.5	78.0	1.85	
55	13C12-2,4-DDT	2.78e5	7.94e5	1.56	NO	0.45	1.0000	40.24	40.24	1.122	1.122	NO	772.1	77.3	3.87	
56	13C3-Endosulfan Sulfate	1.93e4	7.94e5	1.72	NO	0.04	1.0000	41.43	41.44	1.155	1.156	NO	668.4	66.8	8.58	
57	13C12-Methoxychlor	2.96e6	7.94e5	19.45	NO	0.43	1.0000	43.28	43.28	1.207	1.207	NO	8629	86.3	6.19	
58	13C12-Mirex	1.87e5	7.94e5	1.58	NO	0.30	1.0000	43.87	44.03	1.223	1.228	NO	778.6	77.9	1.07	





Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

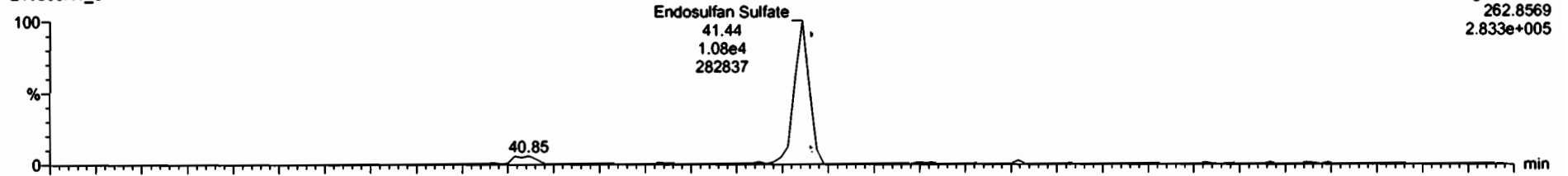
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Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

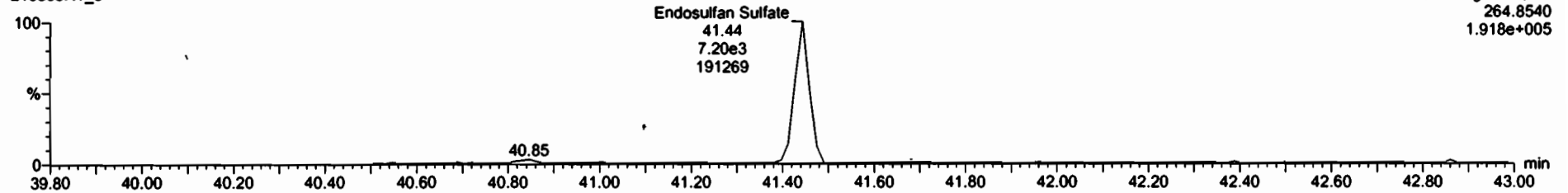
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Endosulfan Sulfate

210505H1\_3

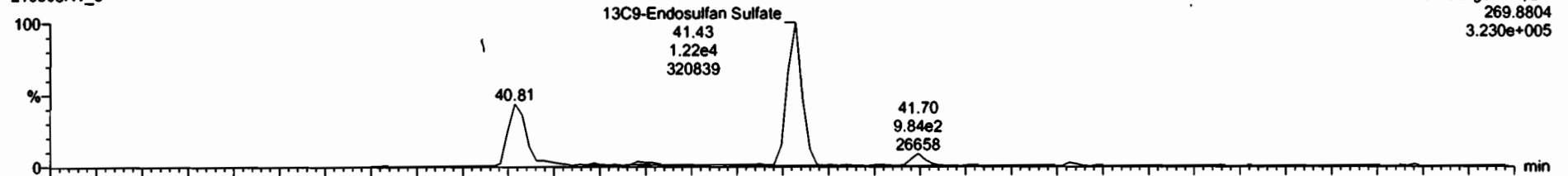


210505H1\_3

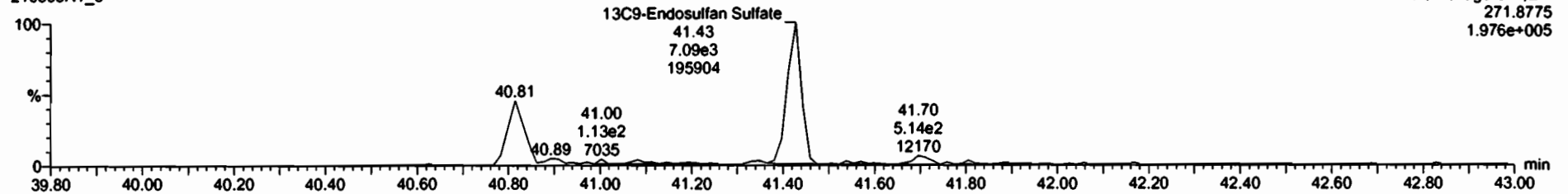


13C9-Endosulfan Sulfate

210505H1\_3



210505H1\_3

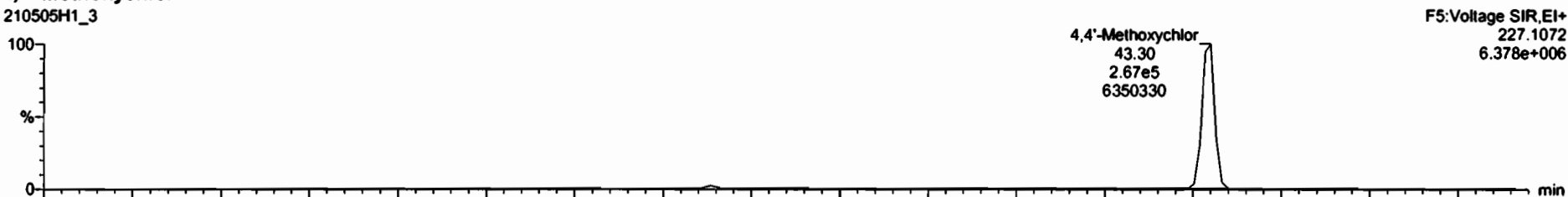


Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

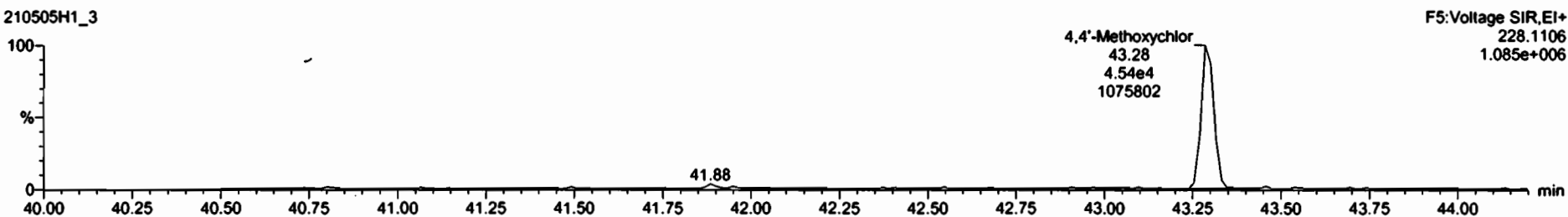
Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

**4,4'-Methoxychlor**  
210505H1\_3



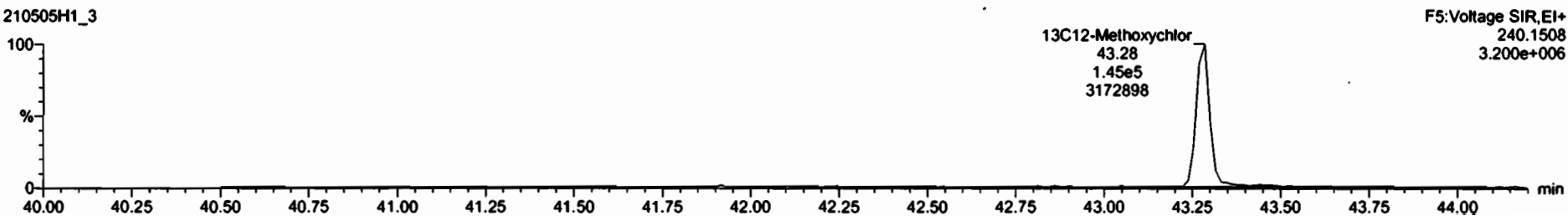
210505H1\_3



**13C12-Methoxychlor**  
210505H1\_3



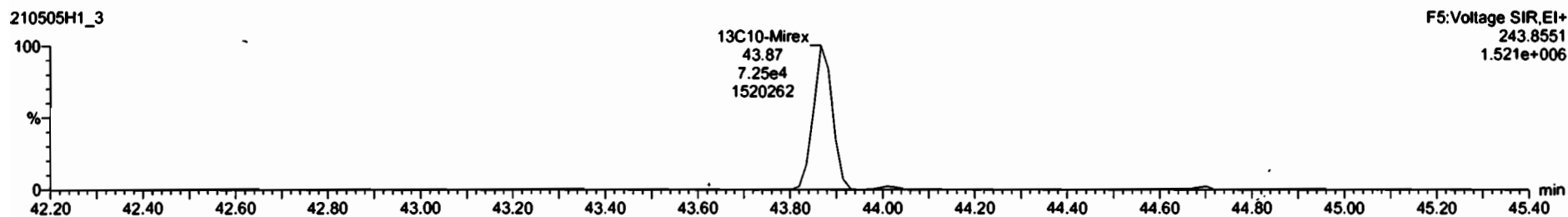
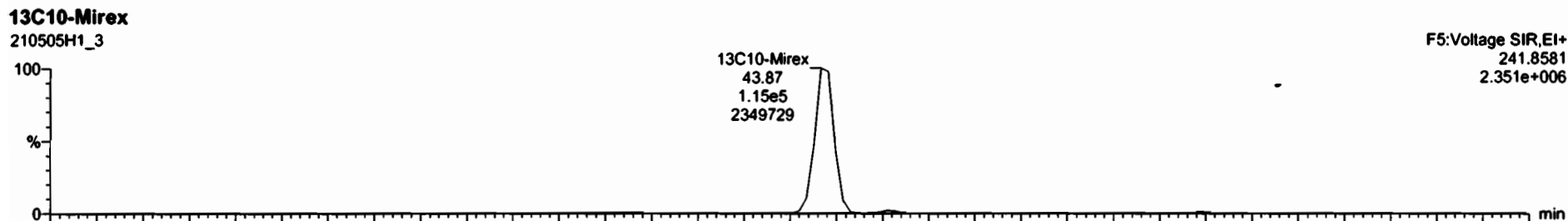
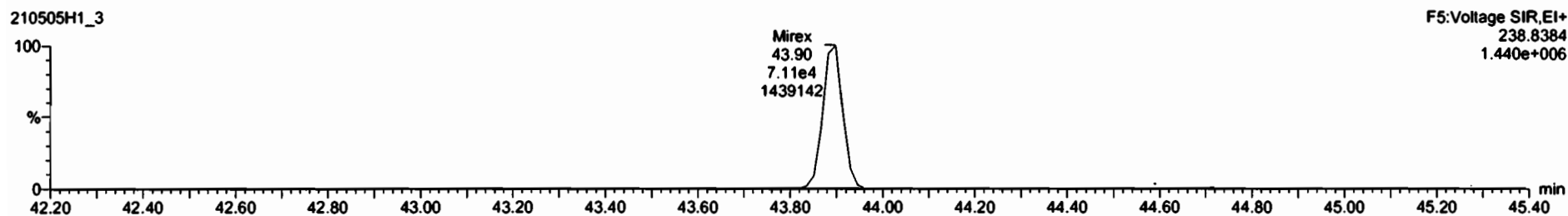
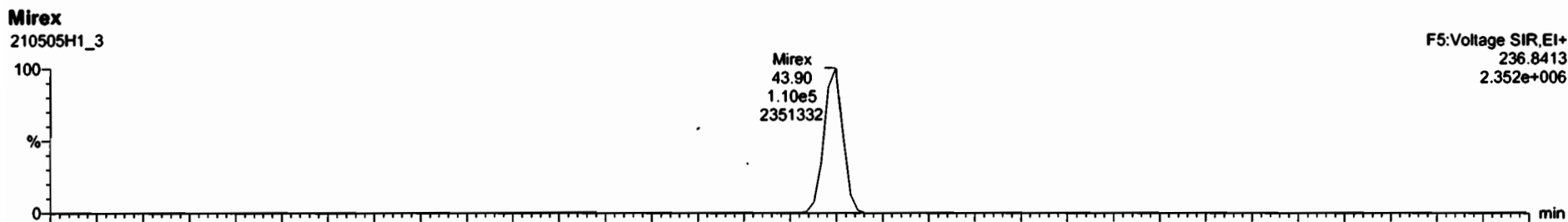
210505H1\_3



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

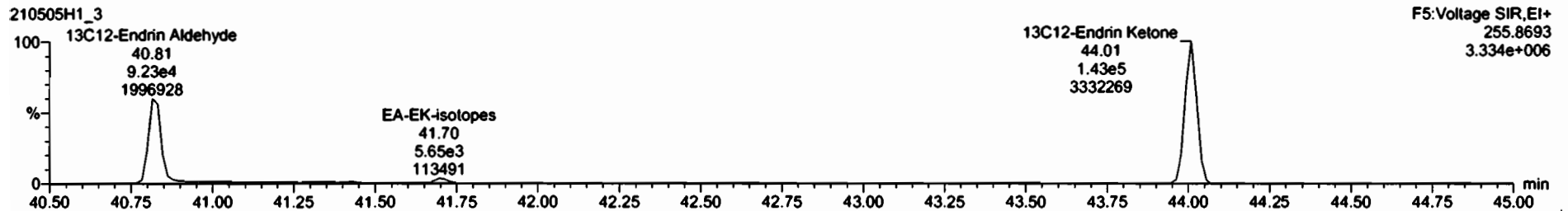
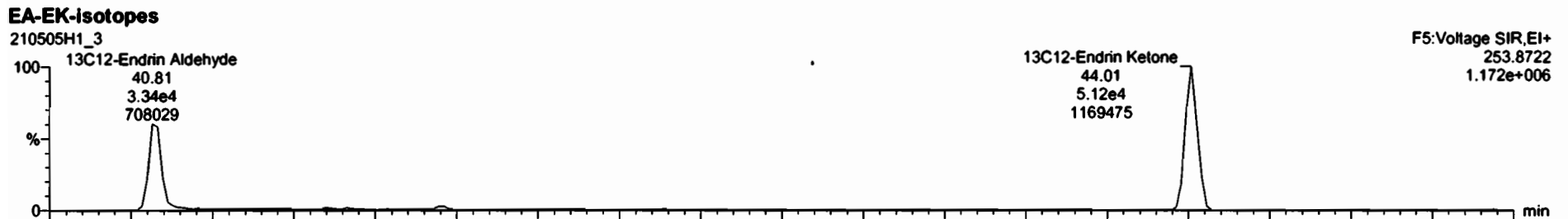
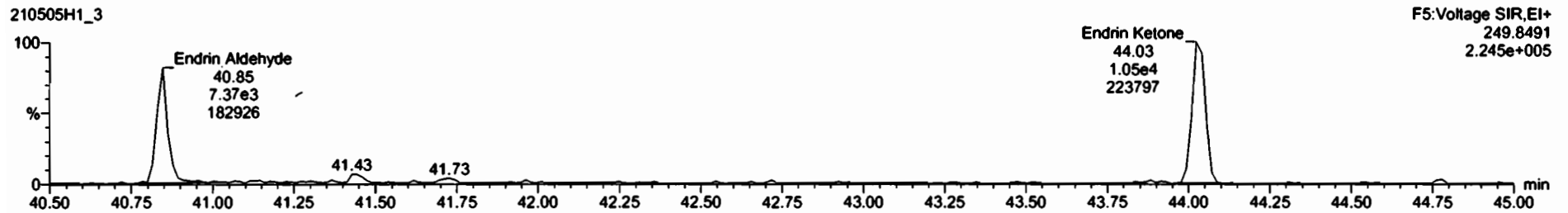
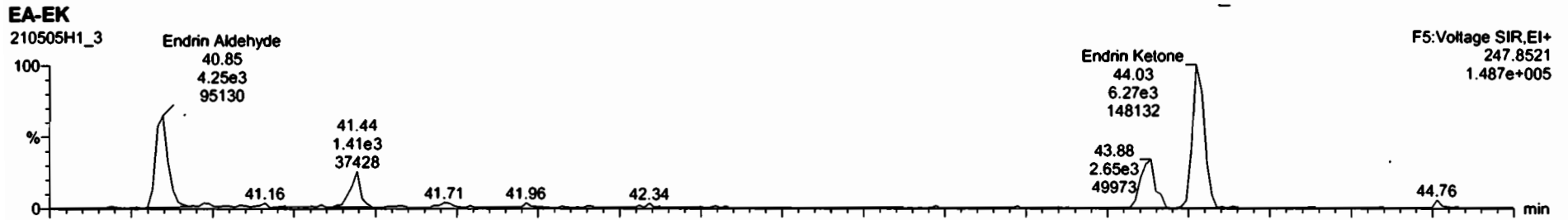


Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR



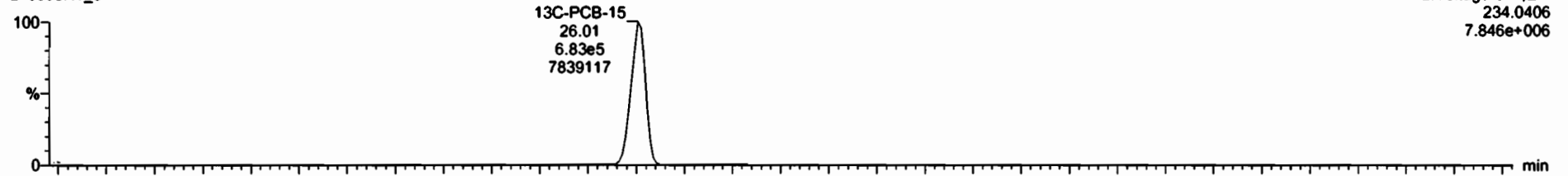
Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

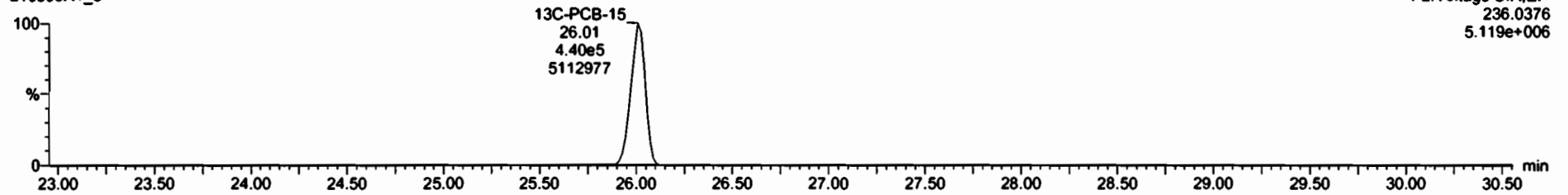
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13C-PCB-15

210505H1\_3

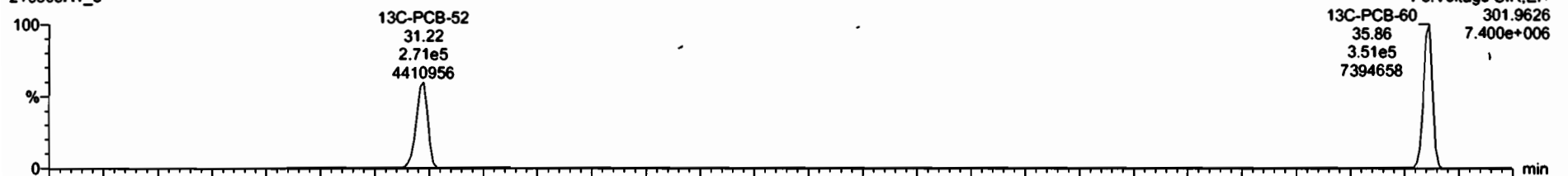


210505H1\_3

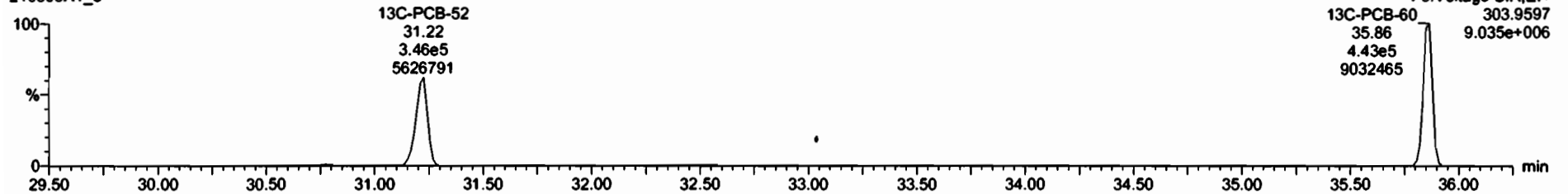


13C-PCB-60

210505H1\_3



210505H1\_3



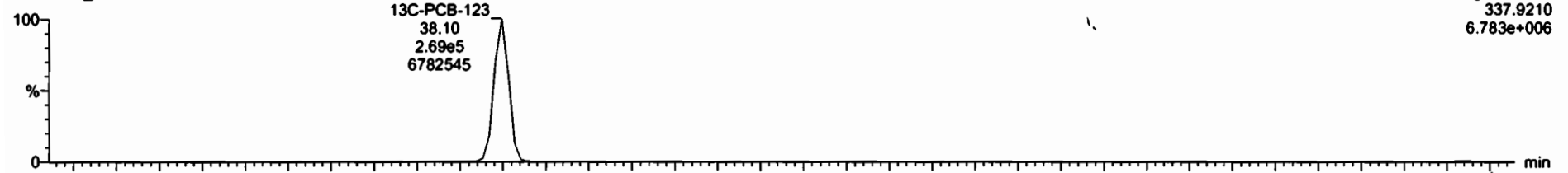
Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

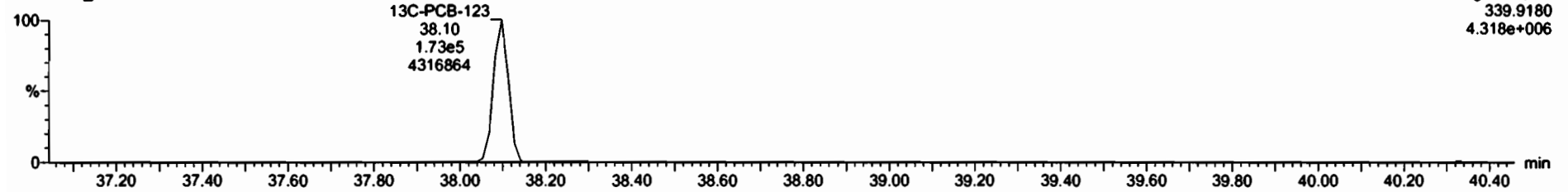
Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

13C-PCB-123

210505H1\_3



210505H1\_3

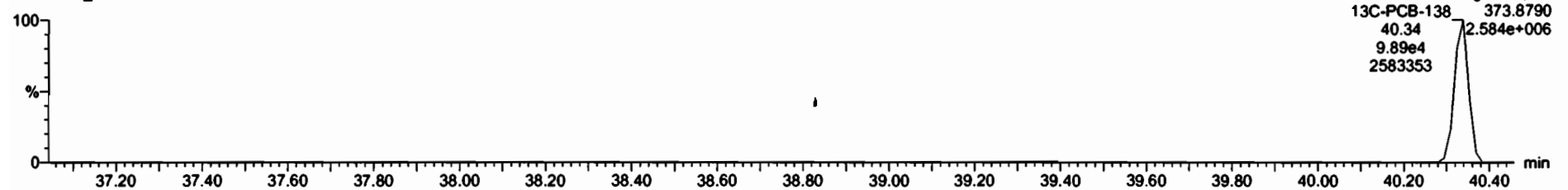


13C-PCB-138

210505H1\_3



210505H1\_3



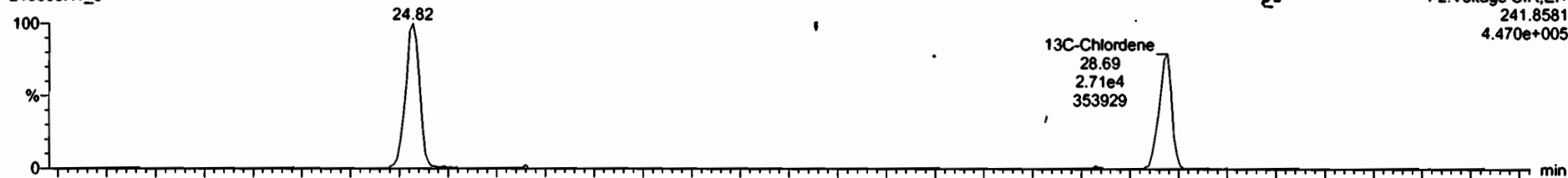
Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

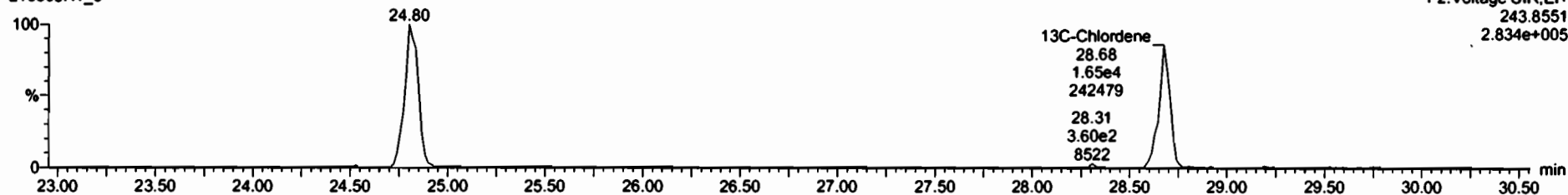
Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR

13C-Chlordene

210505H1\_3

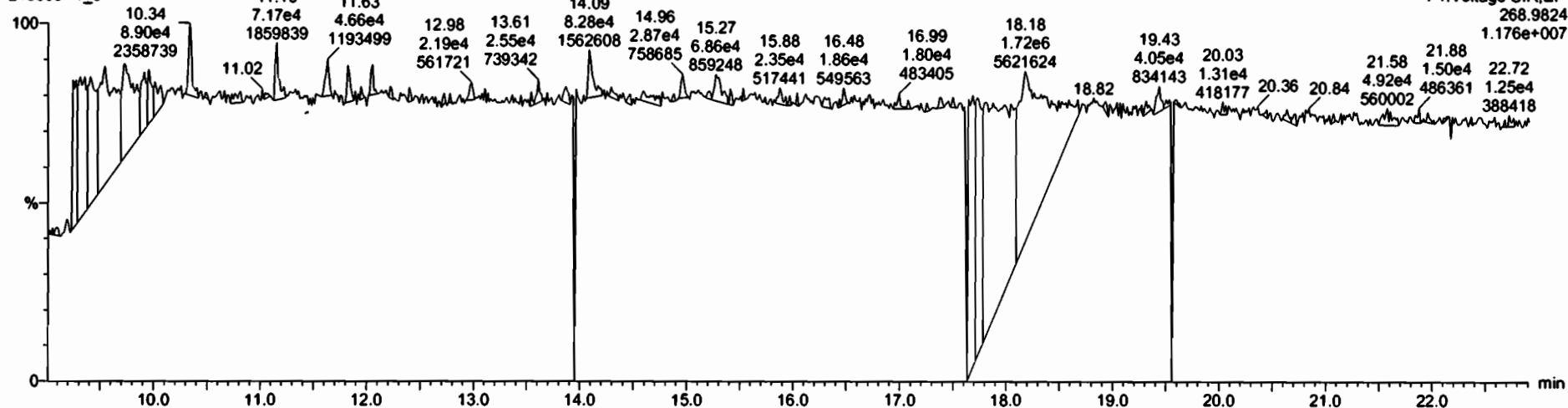


210505H1\_3



PFK1

210505H1\_3

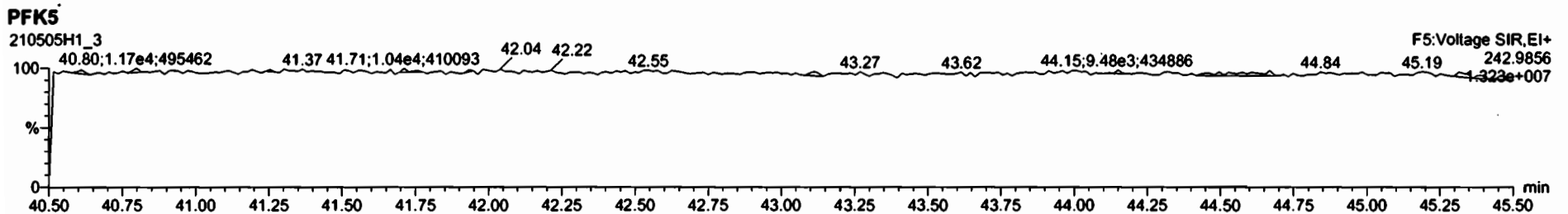
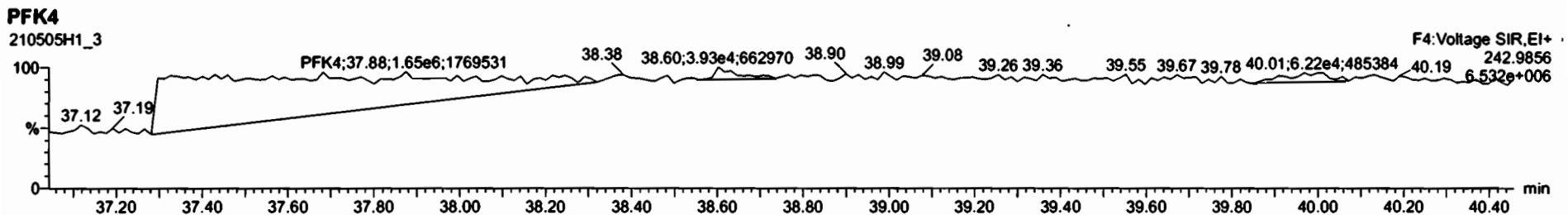
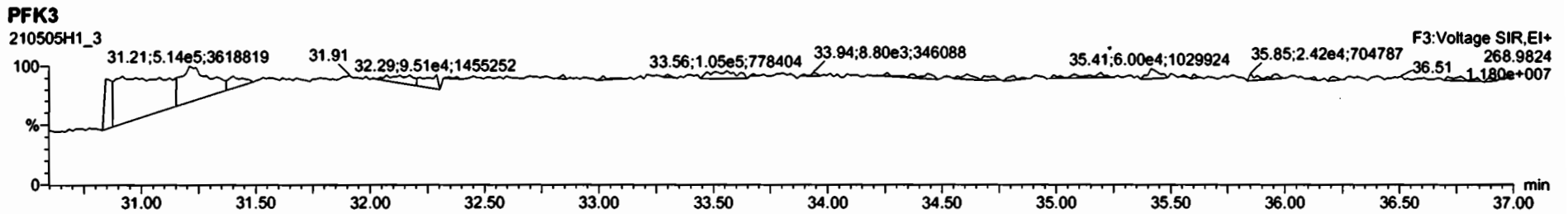
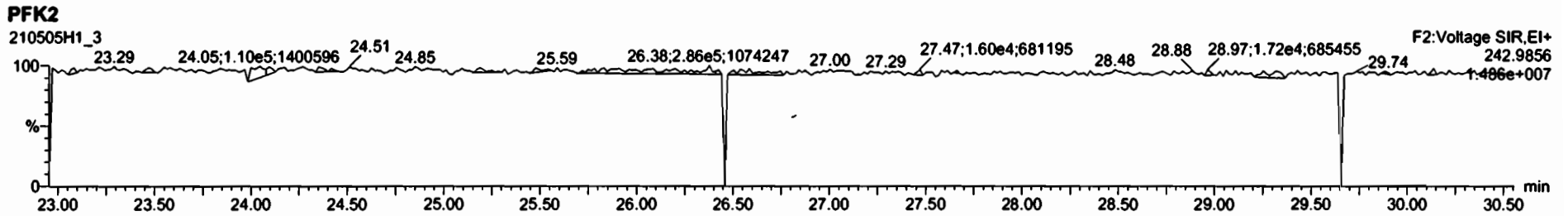


Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_3.qld

Last Altered: Wednesday, May 05, 2021 11:42:40 AM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:50 PM Pacific Daylight Time

Name: 210505H1\_3, Date: 05-May-2021, Time: 10:53:01, ID: B1D0210-BS1 OPR 1, Description: OPR





Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_13.qld

Last Altered: Wednesday, April 21, 2021 12:49:12 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 13:05:36 Pacific Daylight Time

OC 04/26/21  
DFOY/21/21

\*E SEE DIL

04/26/2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	LRT	HRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
4	Lindane (gamma-...		1.28e5		NO	0.860	1.941			1.000	YES			1.97	
9	Aldrin		8.85e4		NO	1.09	1.941			1.001	YES			1.39	
10	Oxychlordan		2.05e4		NO	1.06	1.941			1.001	YES			6.07	
13	trans-Chlordane (g...	1.22e3	1.43e4	1.67	NO	1.14	1.941	35.09	1.001	1.001	NO	38.743		7.44	38.7
14	trans-Nonachlor	1.65e3	1.41e4	1.65	NO	1.06	1.941	35.27	1.001	1.000	NO	57.193		7.01	57.2
15	cis-Chlordane	1.79e3	1.41e4	1.24	NO	1.16	1.941	35.76	1.015	1.016	NO	56.250		6.37	56.2
18	2,4'-DDE	1.05e5	7.09e5	1.43	NO	1.02	1.941	35.72	1.000	1.000	NO	74.174		0.990	74.2
19	4,4'-DDE	2.52e6	4.26e5	1.51	NO	1.04	1.941	36.78	1.000	1.000	NO	2944.5		1.68	2940
20	Dieldrin	4.42e3	3.18e4	2.17	YES	1.03	1.941	37.30	1.000	1.001	NO	69.511		4.86	56.1
22	cis-Nonachlor		1.23e4		NO	1.00	1.941			1.000	YES			10.5	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_13.qld

Last Altered: Wednesday, April 21, 2021 12:49:12 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 13:05:06 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\1db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	6.24e4	2.68e5	1.53	NO	1.07	1.941	37.90	1.000	1.000	NO	112.52		6.00	113
2	25 2,4'-DDT	3.87e5	1.04e5	1.54	NO	1.05	1.941	39.03	1.000	1.000	NO	1827.9		17.3	1830
3	26 4,4'-DDD	1.54e5	1.67e5	1.58	NO	1.16	1.941	39.15	1.000	1.000	NO	409.97		8.52	410
4	27 4,4'-DDT	1.45e6	6.52e4	1.57	NO	1.13	1.941	40.22	1.000	1.001	NO	10140.7		24.0	10100
5	36 13C6-Lindane (ga...	1.28e5	1.27e6	0.76	NO	0.194	1.941	26.59	1.020	1.019	NO	268.17	52.1	2.13	
6	40 13C12-Aldrin	8.85e4	1.27e6	1.57	NO	0.154	1.941	30.80	1.181	1.181	NO	232.24	45.1	1.04	
7	41 13C10-Oxychlorda...	2.05e4	1.27e6	1.53	NO	0.0404	1.941	33.37	1.280	1.280	NO	204.62	39.7	3.97	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_13.qld

Last Altered: Wednesday, April 21, 2021 12:49:12 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 13:03:57 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
1	43 13C10-trans-Chlor...	1.43e4	1.27e6	1.73	NO	0.0358	1.941	35.06	1.345	1.344	NO	161.26	31.3	4.48	
2	44 13C10-trans-Nona...	1.41e4	4.92e5	1.61	NO	0.0638	1.941	35.24	0.983	0.983	NO	230.83	44.8	3.53	
3	46 13C12-2,4'-DDE	7.09e5	4.92e5	1.56	NO	1.43	1.941	35.70	0.996	0.995	NO	517.02	100	1.29	
4	47 13C12-4,4'-DDE	4.26e5	4.92e5	1.60	NO	0.995	1.941	36.77	1.025	1.026	NO	447.63	86.9	1.86	
5	48 13C12-Dieldrin	3.18e4	4.92e5	1.81	NO	0.146	1.941	37.28	1.040	1.040	NO	227.81	44.2	4.47	
6	50 13C10-cis-Nonach...	1.23e4	4.92e5	1.81	NO	0.0791	1.941	38.94	1.086	1.087	NO	162.47	31.5	8.26	
7	52 13C12-2,4'-DDD	2.68e5	4.92e5	1.77	NO	1.35	1.941	37.89	1.056	1.057	NO	207.01	40.2	3.46	
8	53 13C12-2,4'-DDT	1.04e5	4.92e5	1.72	NO	0.962	1.941	39.02	1.088	1.089	NO	113.24	22.0	4.87	
9	54 13C12-4,4'-DDD	1.67e5	4.92e5	1.71	NO	1.12	1.941	39.14	1.091	1.092	NO	155.12	30.1	4.17	
10	55 13C12-4,4'-DDT	6.52e4	4.92e5	1.92	NO	0.735	1.941	40.20	1.121	1.122	NO	92.821	18.0	6.38	
11	62 13C-PCB-15	1.27e6	1.27e6	1.57	NO	1.00	1.941	26.07	1.000	1.000	NO	515.17	100	0.385	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_13.qld

Last Altered: Wednesday, April 21, 2021 12:49:12 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 13:05:51 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311,  
Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	4.92e5	4.92e5	0.81	NO	1.00	1.941	35.86	1.000	1.000	NO	515.17	100	0.536	

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

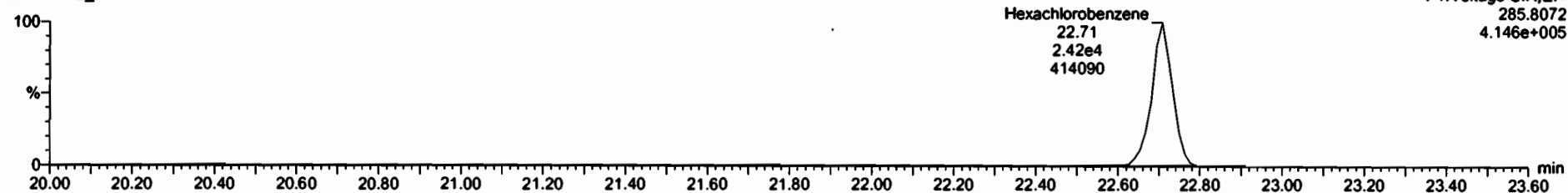
Hexachlorobenzene

210416H2\_13



F1:Voltage SIR,EI+  
283.8102  
5.113e+005

210416H2\_13



F1:Voltage SIR,EI+  
285.8072  
4.146e+005

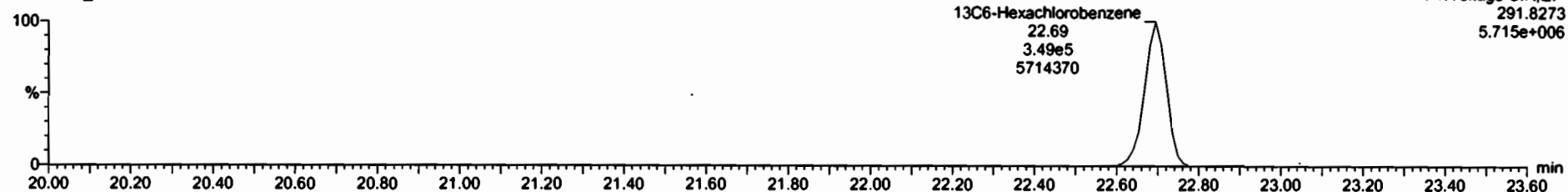
13C6-Hexachlorobenzene

210416H2\_13



F1:Voltage SIR,EI+  
289.8303  
7.102e+006

210416H2\_13



F1:Voltage SIR,EI+  
291.8273  
5.715e+006

Dataset: Untitled

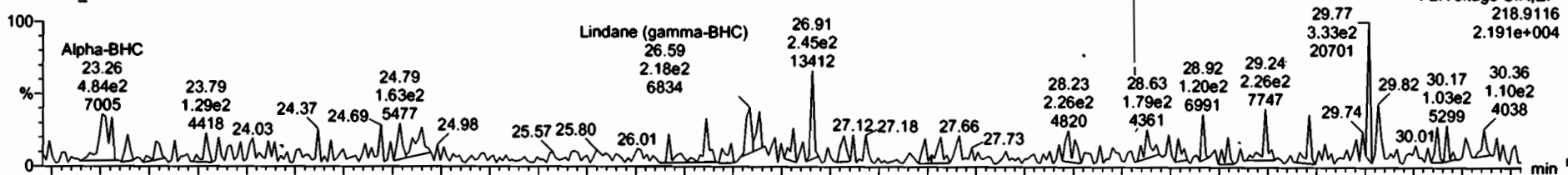
Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

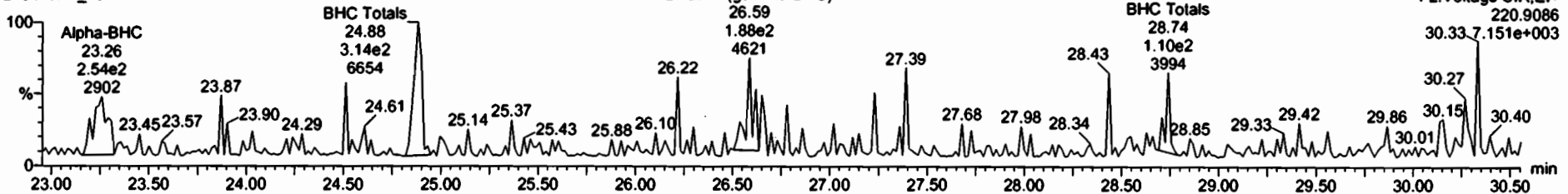
Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

**BHC Totals**

210416H2\_13

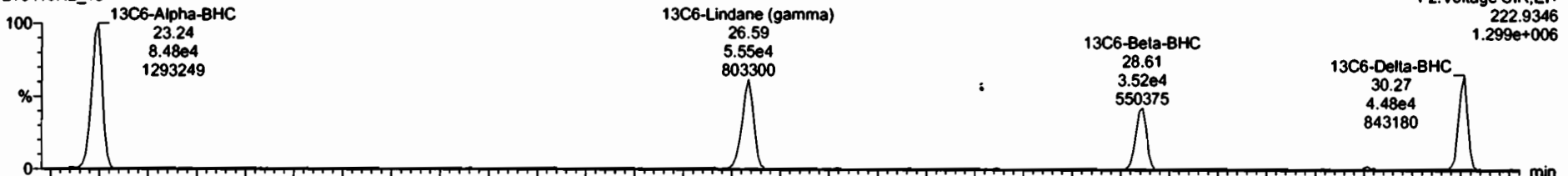


210416H2\_13

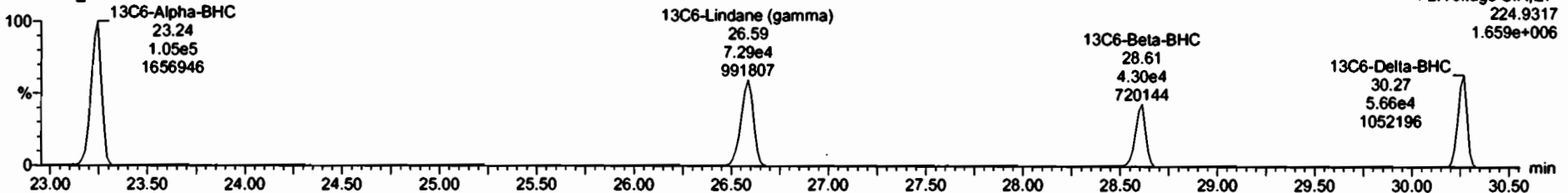


**BHC-isotopes**

210416H2\_13



210416H2\_13



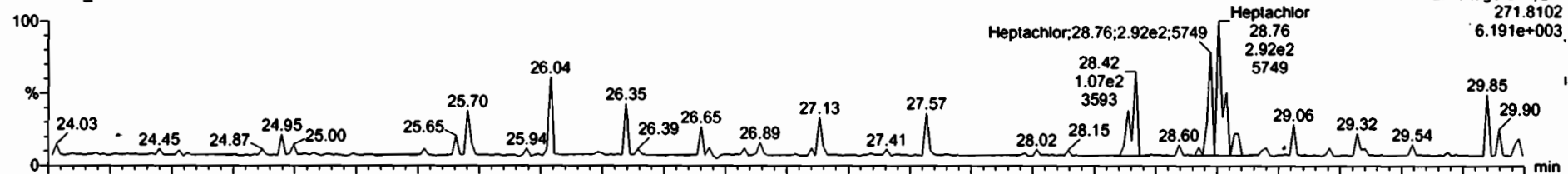
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

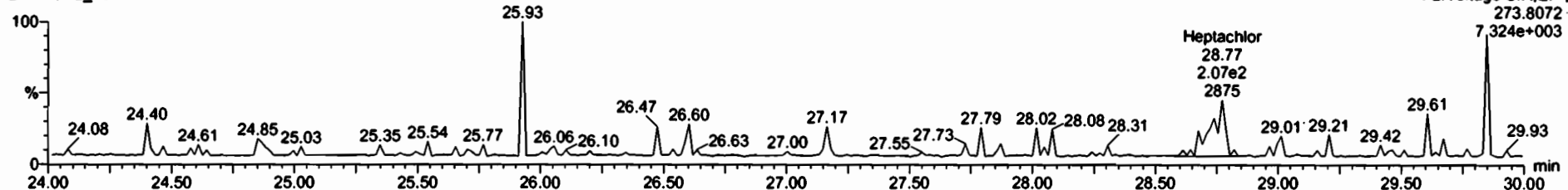
Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

**Heptachlor**

210416H2\_13

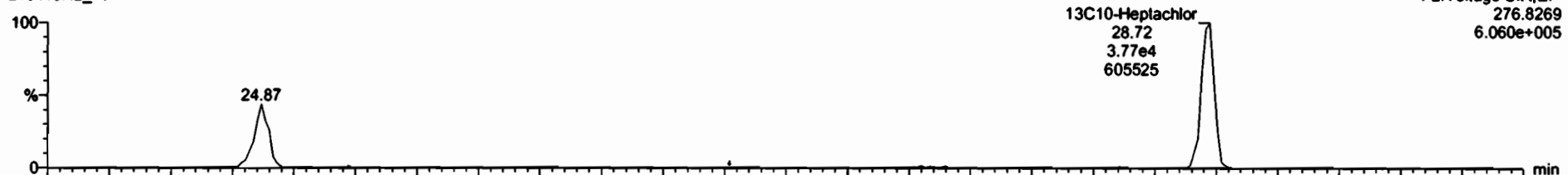


210416H2\_13

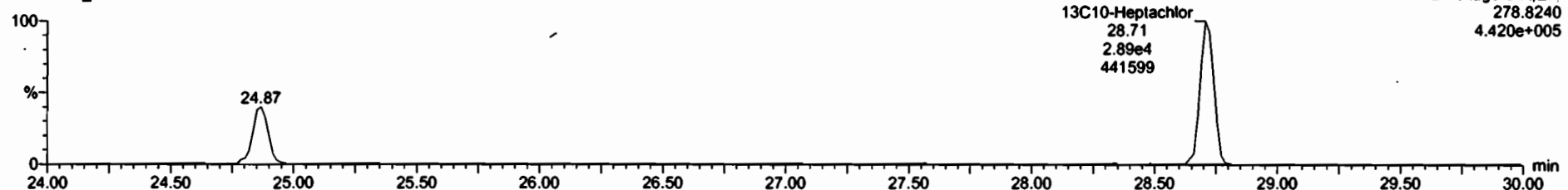


**13C10-Heptachlor**

210416H2\_13



210416H2\_13



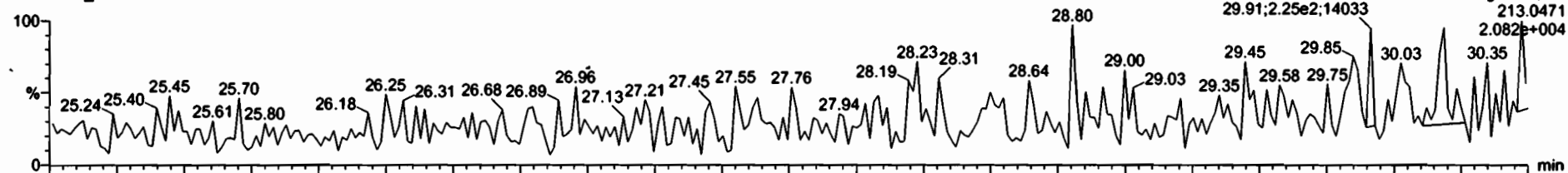
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

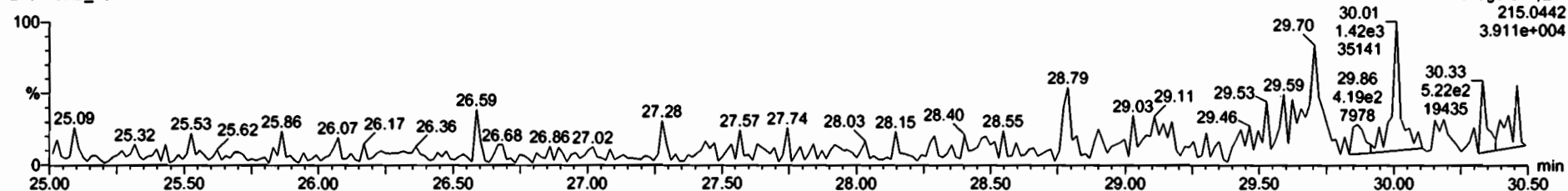
Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

4,4'-DDNU

210416H2\_13



210416H2\_13

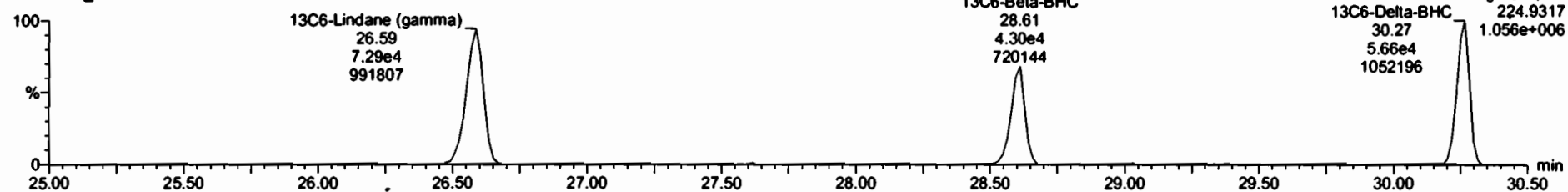


13C6-Delta-BHC

210416H2\_13



210416H2\_13





Dataset: Untitled

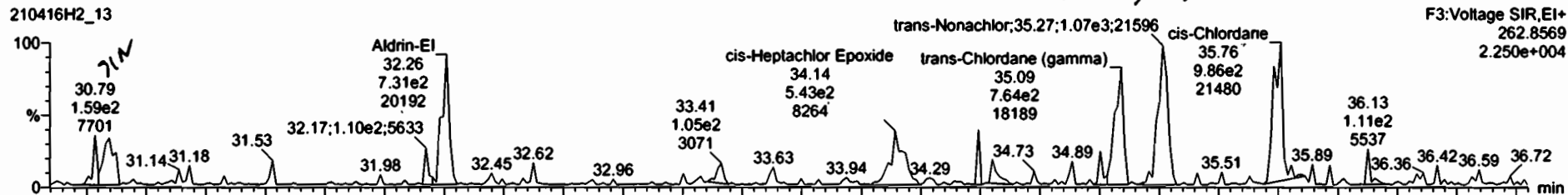
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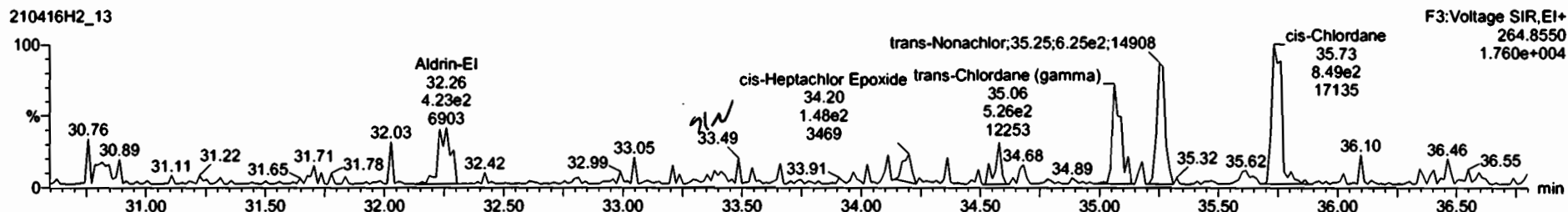
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**Aldrin-EI**

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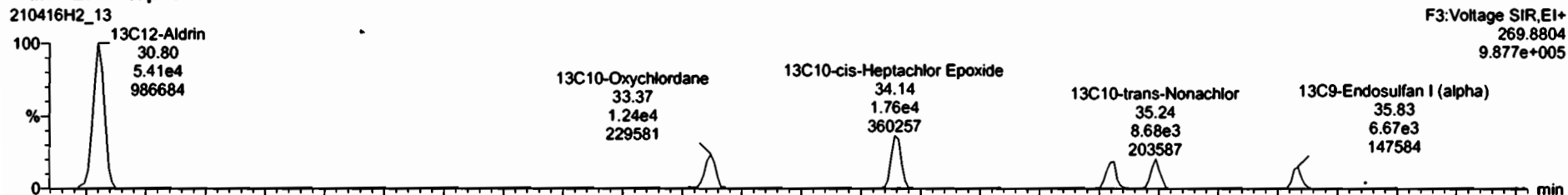


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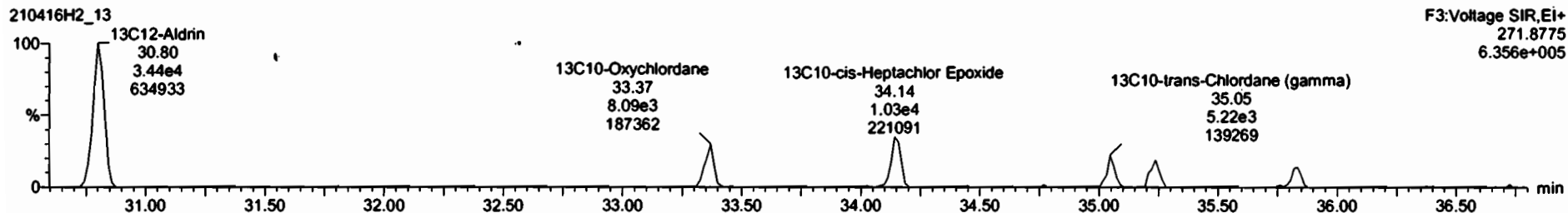


**Aldrin-EI-isotopes**

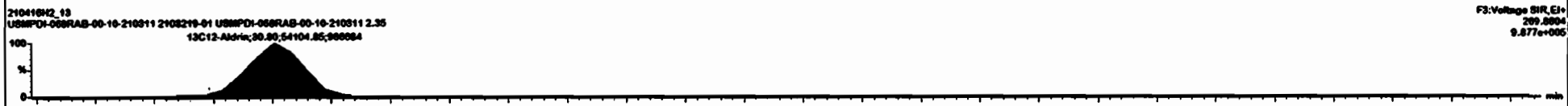
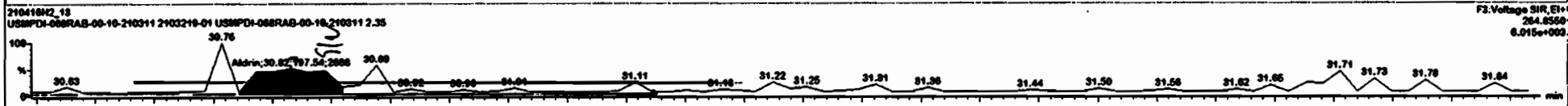
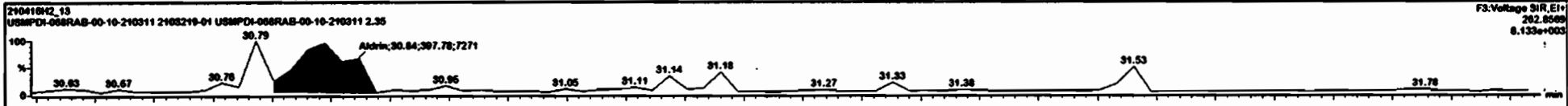
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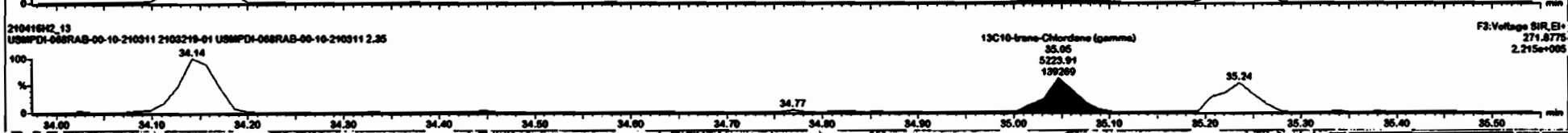
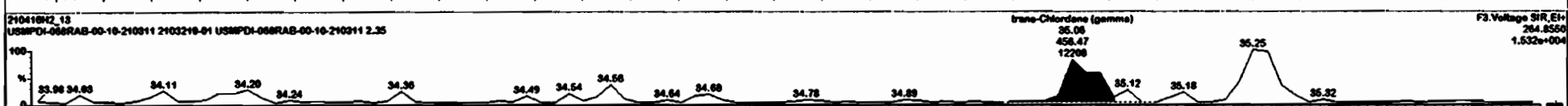
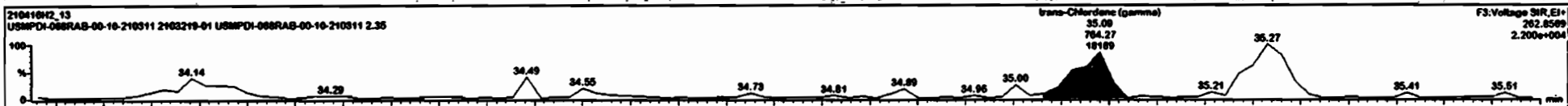
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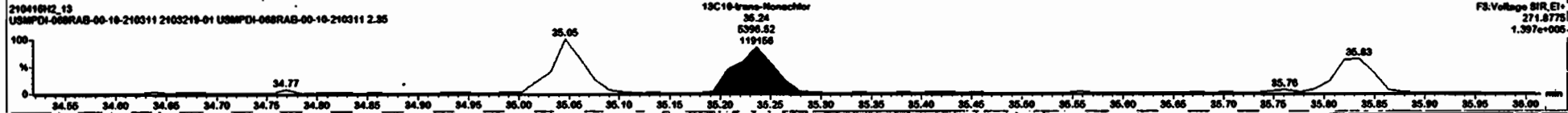
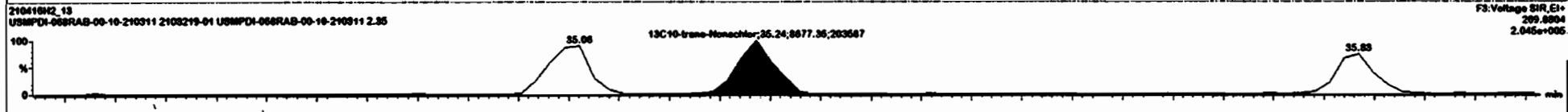
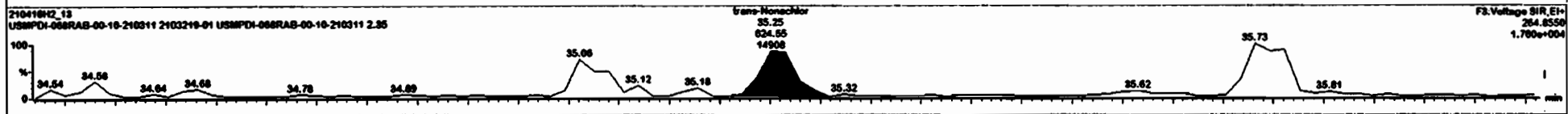
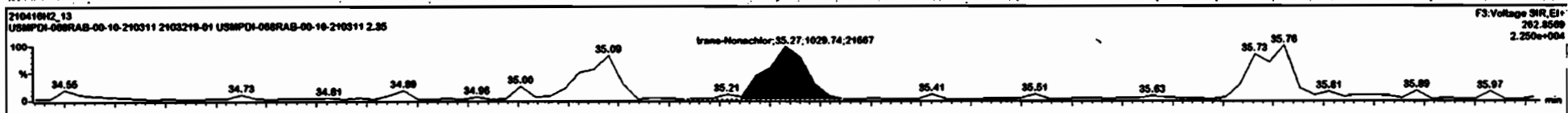
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1	Hexachlorobutadiene	1.48e4	1.38e8	0.33	YES	0.10	1.9411	9.96	18.00	1.000	1.002	NO	5347		0.979	240
2	Hexachlorobenzene	5.60e4	7.95e5	1.31	NO	0.08	1.9411	22.71	22.71	1.001	1.000	NO	36.08		0.0278	36.9
3	Alpha-BHC	7.30e2	1.89e5	1.90	NO	0.83	1.9411	23.26	23.26	1.001	1.001	NO	2.430		1.32	2.43
4	Lindane (gamma-BHC)		1.20e5				1.9411		26.00	1.000	YES				1.97	
5	Beta-BHC		7.82e4				1.9411		28.64	1.001	YES				2.58	
6	Delta-BHC		1.01e5				1.9411		30.30	1.001	YES				1.82	
7	Heptachlor	4.09e2	6.00e4	1.41	NO	1.10	1.9411	20.76	20.75	1.001	1.001	NO	3.512		0.797	3.51
8	4,4'-DDU		1.01e5				1.9411		30.21	0.998	YES				3.38	
9	Aldrin	5.95e2	8.85e4	2.01	YES	1.00	1.9411	30.84	30.85	1.001	1.001	NO	3.173		1.50	-2.76
10	Drychlorane		2.05e4				1.9411		33.48	1.001	YES				6.07	
11	cis-Heptachlor Epoxide	6.91e2	2.79e4	3.67	YES	1.08	1.9411	34.14	34.18	1.000	1.001	NO	11.87		3.99	6.51
12	trans-Heptachlor Epoxide		2.79e4				1.9411		34.68	1.010	YES				14.8	
13	trans-Chlordane (gamma)	1.20e3	1.43e4	1.45	NO	1.14	1.9411	35.00	35.10	1.001	1.001	NO	48.05		7.44	41.0
14	trans-Nonachlor	1.00e3	1.41e4	1.71	NO	1.08	1.9411	35.20	35.24	1.001	1.000	NO	50.50		7.01	50.0
15	cis-Chlordane	1.83e3	1.41e4	1.16	YES	1.16	1.9411	35.76	35.79	1.015	1.016	NO	57.08		6.37	50.9
16	Endosulfan I (alpha)		1.09e4				1.9411		35.87	1.001	YES				8.25	
17	4,4'-DDU	2.08e4	7.09e5	3.12	NO	1.00	1.9411	35.50	35.49	0.994	0.994	NO	51.22		2.35	51.2
18	2,4'-DDE	1.05e5	7.09e5	1.43	NO	1.02	1.9411	35.72	35.70	1.000	1.000	NO	74.17		0.908	74.2
19	4,4'-DDE	2.52e8	4.28e5	1.51	NO	1.04	1.9411	36.78	36.77	1.000	1.000	NO	2045		1.88	2040
20	Dactin	4.40e3	3.18e4	2.18	YES	1.03	1.9411	37.29	37.32	1.000	1.001	NO	70.00		4.56	56.4



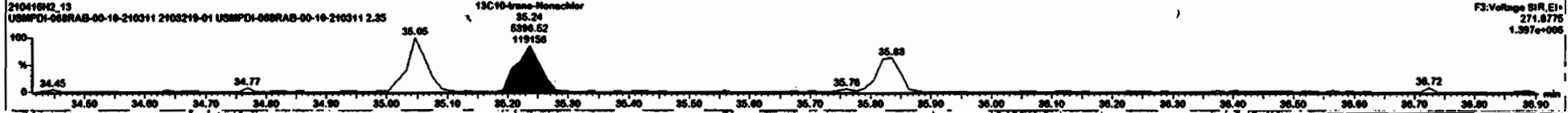
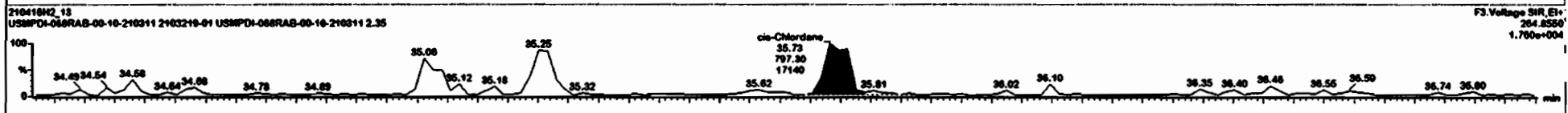
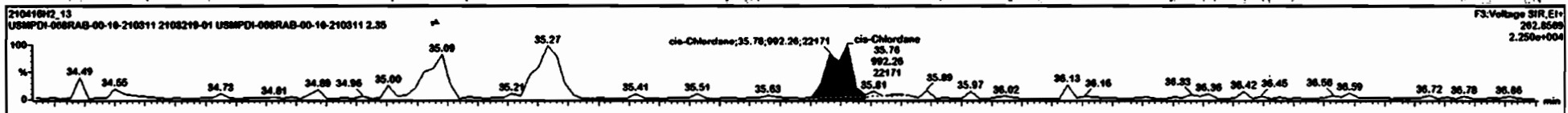
#	Name	Rate	AREA	RA	dy	RR'	WtWt	RT	Prod RT	RRT'	Prod RRT	Check RRT	Conc	MAE'	DL	EMPC
1	Hexachlorobutadiene	1.40e4	1.20e5	0.33	YES	0.10	1.9411	8.80	18.80	1.000	1.002	NO	534.7		8.979	240
2	Hexachlorobenzene	5.00e4	7.95e4	1.31	NO	0.98	1.9411	22.71	22.71	1.001	1.000	NO	38.68		9.0278	38.9
3	Alpha-BHC	7.30e2	1.00e5	1.80	NO	0.63	1.9411	23.28	23.28	1.001	1.001	NO	2.430		1.32	2.43
4	Lindane (gamma-BHC)		1.20e5		NO	0.26	1.9411		28.60		1.000	YES			1.97	
5	Beta-BHC		7.82e4		NO	1.00	1.9411		28.64		1.001	YES			2.58	
6	Delta-BHC		1.91e5		NO	0.91	1.9411		30.30		1.001	YES			1.82	
7	Heptachlor	4.99e2	6.00e4	1.41	NO	1.10	1.9411	28.76	28.75	1.001	1.001	NO	3.512		8.797	3.51
8	4,4'-DDMU		1.01e5		NO	1.25	1.9411		30.21		0.998	YES			3.38	
9	Alrin	5.95e2	8.05e4	2.01	YES	1.09	1.9411	30.84	30.83	1.001	1.001	NO	3.175		1.39	2.70
10	Onychardane		2.85e4		NO	1.08	1.9411		33.48		1.001	YES			6.07	
11	cis-Heptachlor Epoxide	6.91e2	2.79e4	3.67	YES	1.08	1.9411	34.14	34.18	1.000	1.001	NO	11.87		3.99	6.51
12	trans-Heptachlor Epoxide		2.79e4		NO	0.29	1.9411		34.68		1.016	YES			14.8	
13	trans-Chlordane (gamma)	1.22e3	1.43e4	1.07	NO	1.14	1.9411	35.00	35.10	1.001	1.001	NO	38.74		7.44	38.7
14	trans-Nonachlor	1.00e3	1.41e4	1.71	NO	1.08	1.9411	35.28	35.24	1.001	1.000	NO	58.58		7.01	58.6
15	cis-Chlordane	1.83e3	1.41e4	1.16	YES	1.18	1.9411	35.78	35.79	1.015	1.018	NO	57.68		6.37	50.9
16	Endosulfan I (alpha)		1.09e4		NO	1.23	1.9411		35.87		1.001	YES			8.25	
17	4,4'-DDMU	2.89e4	7.09e5	3.12	NO	1.9411	35.50	35.49	0.994	0.994	NO	51.22		2.35	51.2	
18	2,4-DDE	1.05e5	7.09e5	1.43	NO	1.02	1.9411	35.72	35.70	1.000	1.000	NO	74.17		8.090	74.2
19	4,4'-DDE	2.52e6	4.20e5	1.51	NO	1.04	1.9411	36.78	36.77	1.000	1.000	NO	2045		1.68	2040
20	Datam	4.46e3	3.18e4	2.18	YES	1.03	1.9411	37.29	37.32	1.000	1.001	NO	70.09		4.58	56.4



#	Name	Resp	SAREA	RA	xy	RRF	valvol	RT	Pred RT	g	RRT	Pred RRT	Check RRT	Conc.	%Inc	DL	EMPC
1	Hexachlorobutadiene	1.48e4	1.30e6	0.33	YES	0.10	1.0411	9.98	10.00	1.000	1.002	NO	534.7		0.979	240	
2	Hexachlorobenzene	5.89e4	7.95e5	1.31	NO	0.08	1.0411	22.71	22.71	1.001	1.000	NO	36.88		0.0276	36.9	
3	Alpha-BHC	7.39e2	1.09e5	1.90	NO	0.83	1.0411	23.28	23.28	1.001	1.001	NO	2.430		1.32	2.43	
4	Lindane (gamma-BHC)		1.20e5		NO	0.08	1.0411		26.00		1.000	YES			1.97		
5	Beta-BHC		7.82e4		NO	1.00	1.0411		28.64		1.001	YES			2.58		
6	Delta-BHC		1.01e5		NO	0.91	1.0411		30.30		1.001	YES			1.82		
7	Heptachlor	4.99e2	6.05e4	1.41	NO	1.10	1.0411	28.78	28.75	1.001	1.001	NO	3.512		0.797	3.51	
8	4,4'-DDE		1.01e5		NO	1.25	1.0411		30.21		0.998	YES			3.38		
9	Alzin	5.95e2	8.05e4	2.01	YES	1.09	1.0411	30.84	30.83	1.001	1.001	NO	3.175		1.30	2.70	
10	Orychlorane		2.05e4		NO	1.08	1.0411		33.40		1.001	YES			6.07		
11	cis-Heptachlor Epoxide	6.91e2	2.79e4	3.67	YES	1.08	1.0411	34.14	34.18	1.000	1.001	NO	11.87		3.09	6.51	
12	trans-Heptachlor Epoxide		2.79e4		NO	0.29	1.0411		34.08		1.016	YES			14.6		
13	trans-Chlordane (gamma)	1.22e3	1.43e4	1.67	NO	1.14	1.0411	35.89	35.10	1.001	1.001	NO	38.74		7.44	38.7	
14	trans-Nonachlor	7.04e3	1.41e4	1.85	NO	1.08	1.0411	35.27	35.24	1.001	1.006	NO	57.78		7.81	57.2	
15	cis-Chlordane	1.83e3	1.41e4	1.18	YES	1.18	1.0411	35.78	35.79	1.015	1.016	NO	57.88		6.37	58.9	
16	Endosulfan I (alpha)		1.09e4		NO	1.23	1.0411		35.87		1.001	YES			8.25		
17	4,4'-DDMU	2.89e4	7.09e5	3.12	NO	1.0411	35.58	35.49	0.994	0.994	NO	51.22		2.35	51.2		
18	2,4'-DDE	1.86e5	7.06e5	1.43	NO	1.02	1.0411	35.72	35.78	1.000	1.000	NO	74.17		0.890	74.2	
19	4,4'-DDE	2.52e5	4.26e5	1.51	NO	1.04	1.0411	36.78	36.77	1.000	1.000	NO	2945		1.68	2940	
20	Dieldrin	4.46e3	3.18e4	2.18	YES	1.03	1.0411	37.29	37.32	1.000	1.001	NO	70.09		4.58	58.4	



#	Name	Resp	SAREA	RA	Adj	Wt%	WT	Prod RT	Ref	Prod RT	Check RT	CInc	%Rec	OL	EMPC
1	Hexachlorobutadiene	1.48e4	1.30e6	0.33	YES	0.10	1.0411	9.95	10.00	1.001	1.002	NO	5347		0.979 240
2	Hexachlorobenzene	5.69e4	7.95e5	1.31	NO	0.98	1.0411	22.71	22.71	1.001	1.000	NO	36.88		0.0278 36.9
3	Alpha-BHC	7.39e2	1.89e5	1.00	NO	0.83	1.0411	23.28	23.28	1.001	1.001	NO	2.438		1.32 2.43
4	Lindane (gamma-BHC)		1.28e5		NO	0.86	1.0411		26.00		1.000	YES			1.97
5	Beta-BHC		7.82e4		NO	1.00	1.0411		28.64		1.001	YES			2.58
6	Delta-BHC		1.01e5		NO	0.91	1.0411		30.30		1.001	YES			1.82
7	Heptachlor	4.99e2	6.05e4	1.41	NO	1.10	1.0411	28.78	28.75	1.001	1.001	NO	3.512		0.787 3.51
8	4,4'-DDMU		1.01e5		NO	1.25	1.0411		30.21		0.998	YES			3.38
9	Aldrin	5.95e2	8.85e4	2.01	YES	1.09	1.0411	30.84	30.83	1.001	1.001	NO	3.175		1.39 2.78
10	Drychlorodene		2.05e4		NO	1.08	1.0411		33.40		1.001	YES			6.07
11	cis-Heptachlor Epoxide	6.91e2	2.79e4	3.67	YES	1.08	1.0411	34.14	34.18	1.000	1.001	NO	11.87		3.99 6.51
12	trans-Heptachlor Epoxide		2.79e4		NO	0.29	1.0411		34.60		1.018	YES			14.8
13	trans-Chlordane (gamma)	1.22e3	1.43e4	1.87	NO	1.14	1.0411	35.80	35.10	1.001	1.001	NO	38.74		7.44 38.7
14	trans-Nonachlor	1.05e3	1.41e4	1.05	NO	1.08	1.0411	35.27	35.24	1.001	1.000	NO	57.19		7.01 57.2
15	cis-Chlordane	1.78e3	1.41e4	1.24	NO	1.18	1.0411	35.78	35.78	1.015	1.018	NO	58.25		6.37 58.2
16	Endosulfan I (alpha)		1.89e4		NO	1.23	1.0411		35.87		1.001	YES			8.25
17	4,4'-DDMU	2.89e4	7.09e5	3.12	NO	1.0411	35.50	35.49	0.994	0.994	NO	51.22		2.35 51.2	
18	2,4'-DDE	1.05e5	7.09e5	1.43	NO	1.02	1.0411	35.72	35.70	1.000	1.000	NO	74.17		0.980 74.2
19	4,4'-DDE	2.52e6	4.28e5	1.51	NO	1.04	1.0411	36.78	36.77	1.000	1.000	NO	2945		1.08 2940
20	Dieldrin	4.46e3	3.18e4	2.18	YES	1.03	1.0411	37.29	37.32	1.000	1.001	NO	78.09		4.58 58.4



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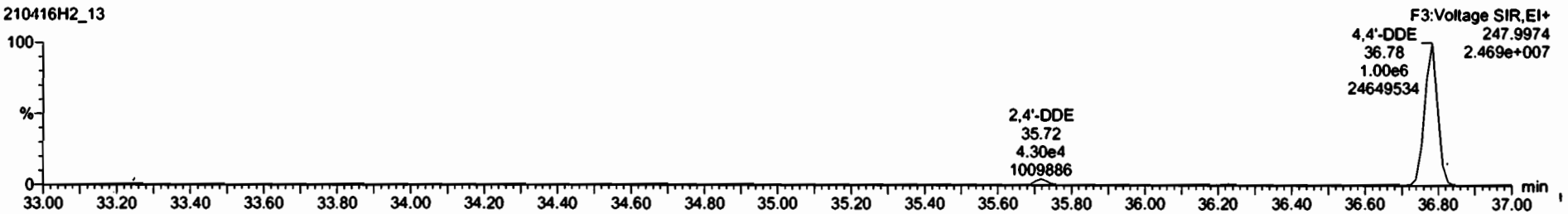
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DDMU-DDE

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210416H2\_13

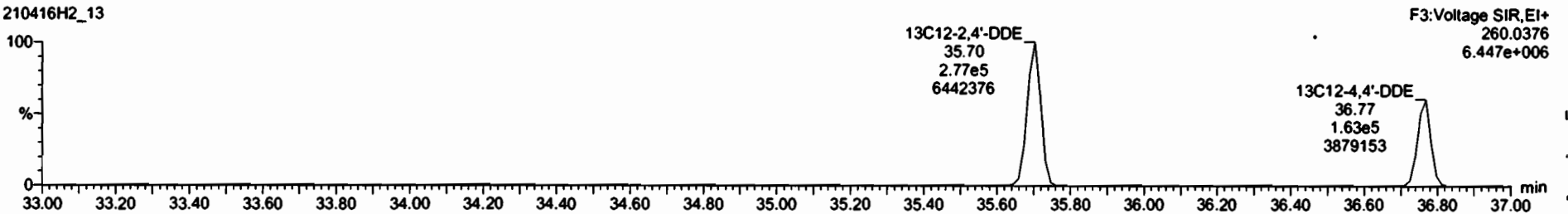


DDE-isotopes

210416H2\_13



210416H2\_13



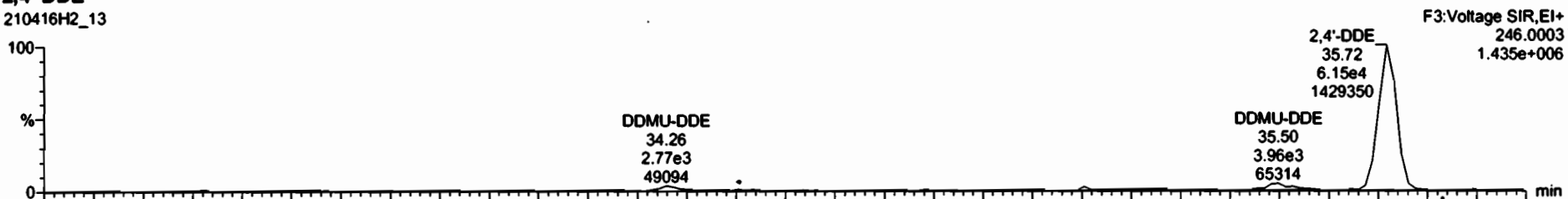
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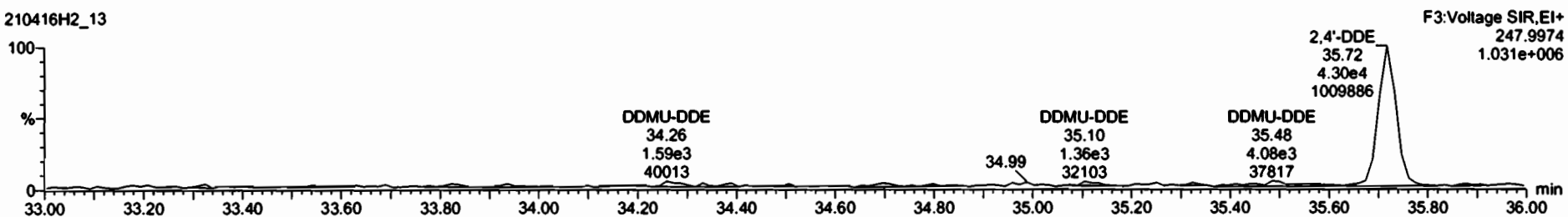
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2,4'-DDE

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210416H2\_13

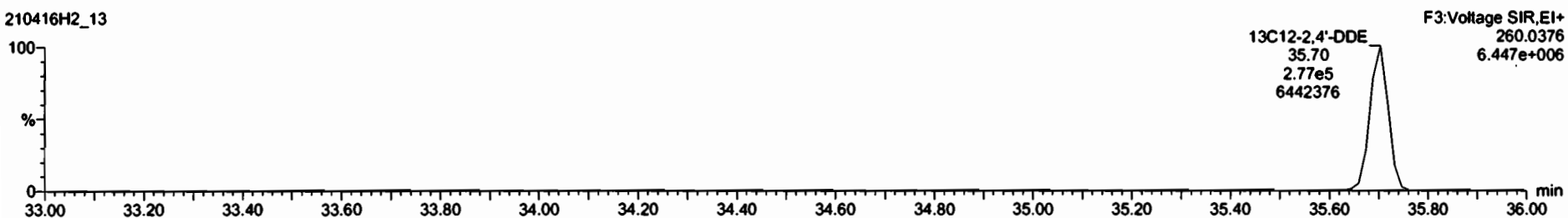


13C12-2,4'-DDE

210416H2\_13



210416H2\_13



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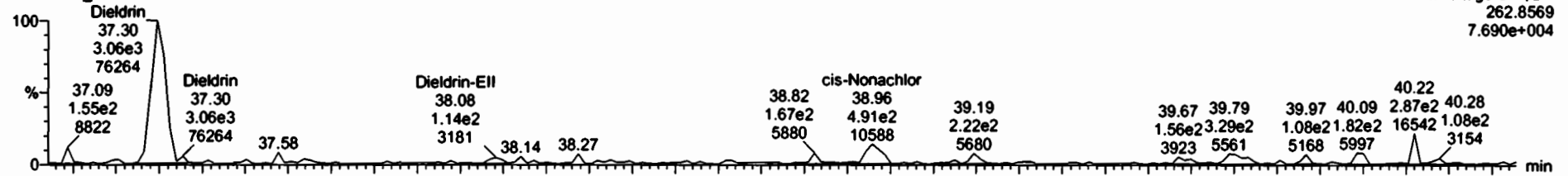
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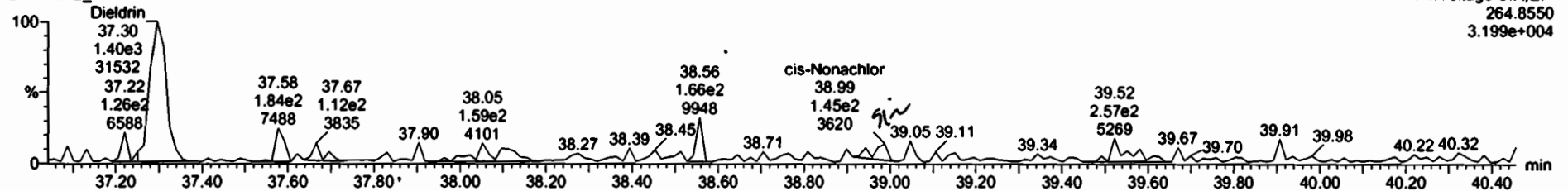
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**Dieldrin-EI1**

210416H2\_13

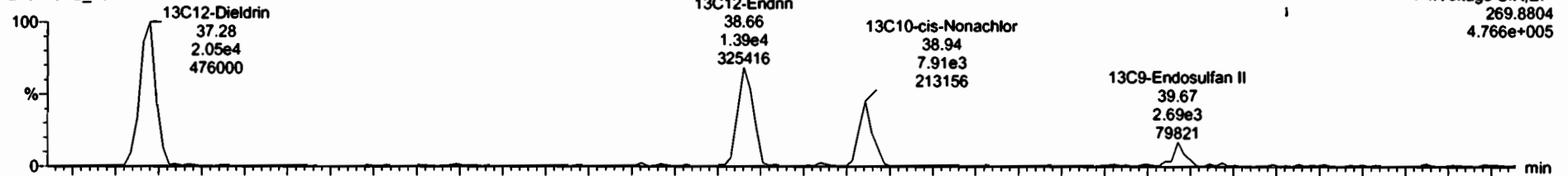


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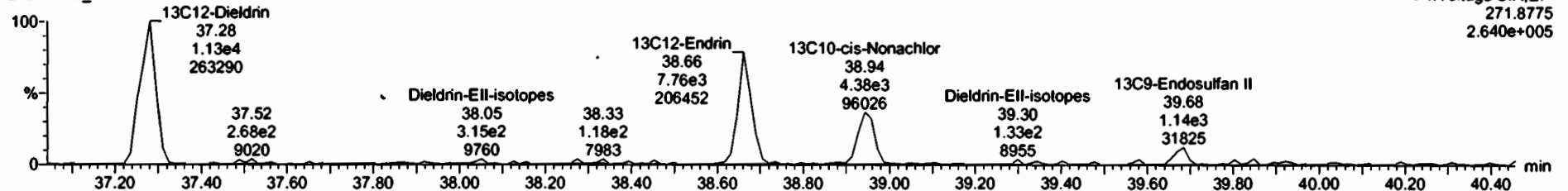


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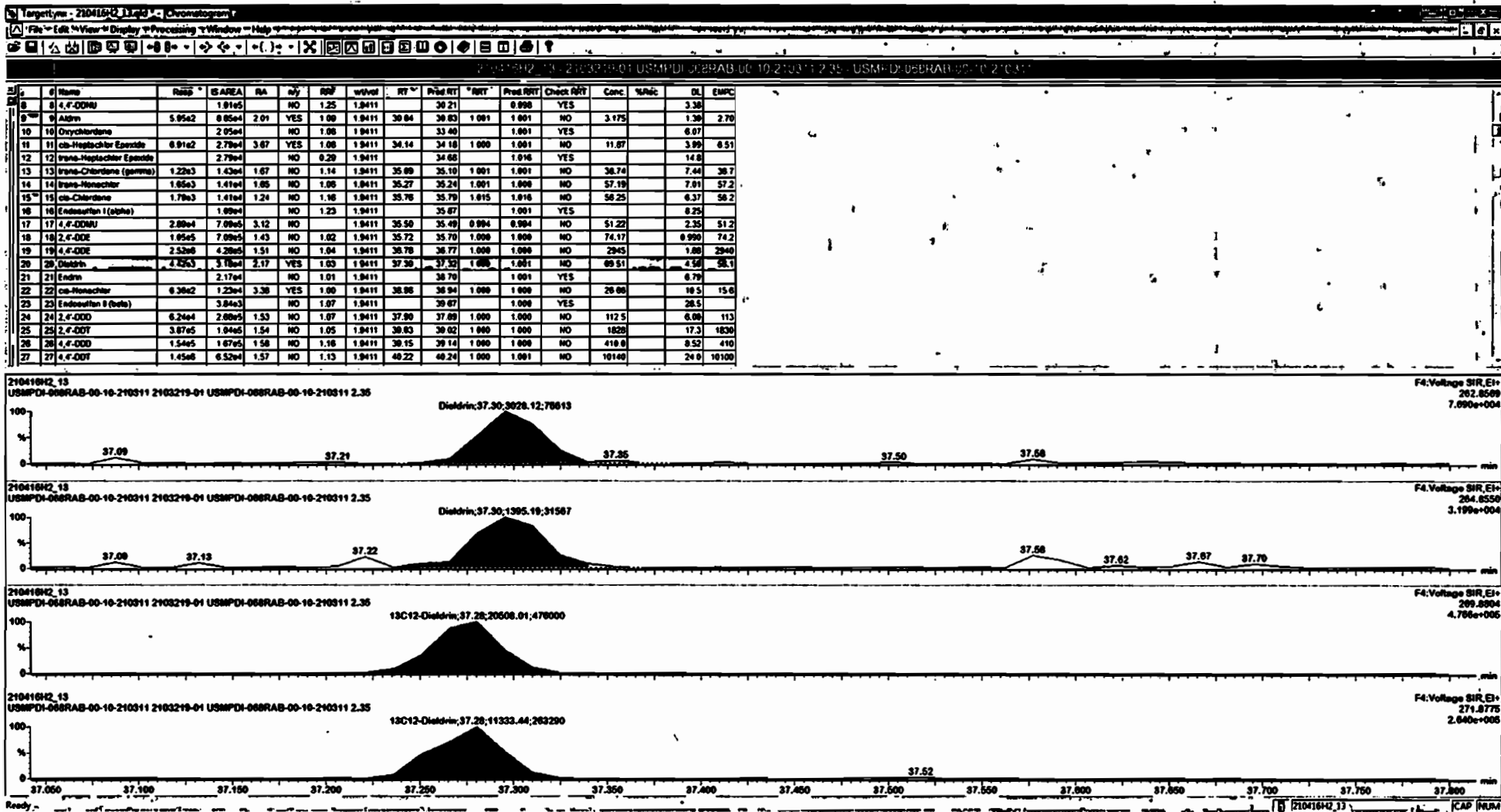
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210416H2\_13







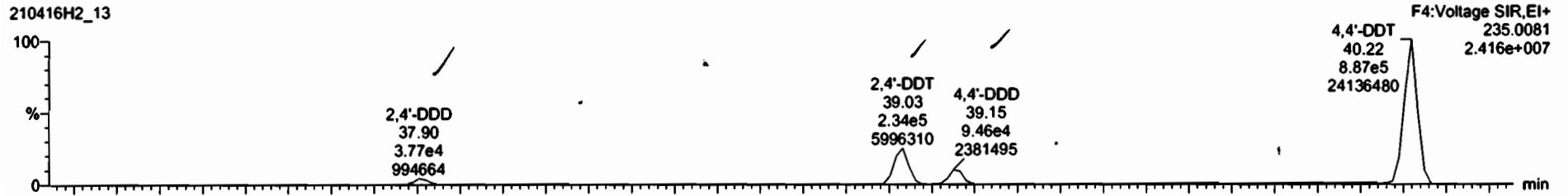
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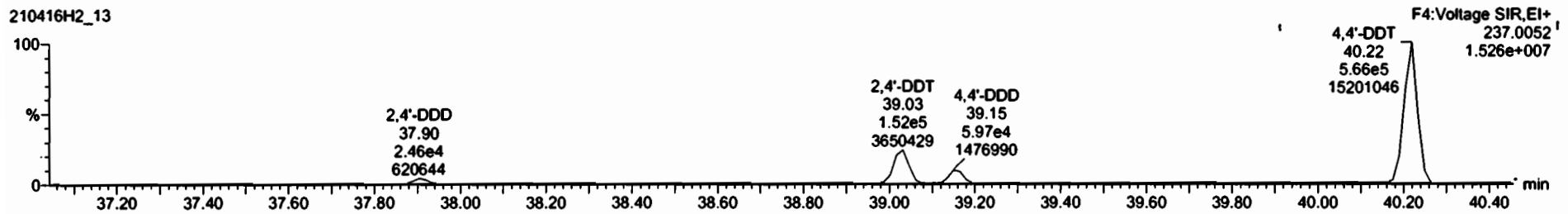
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DDD-DDT

210416H2\_13

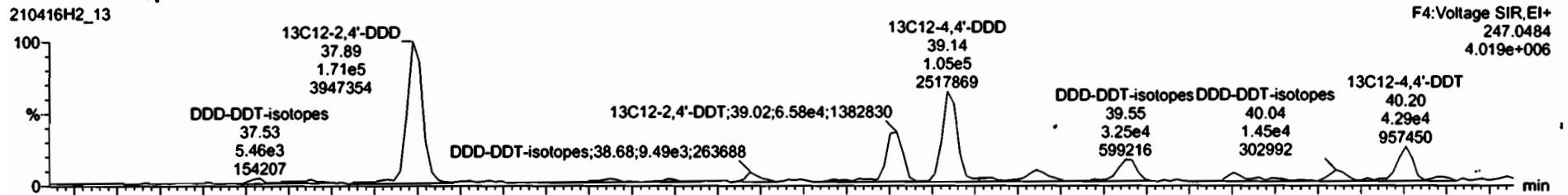


210416H2\_13

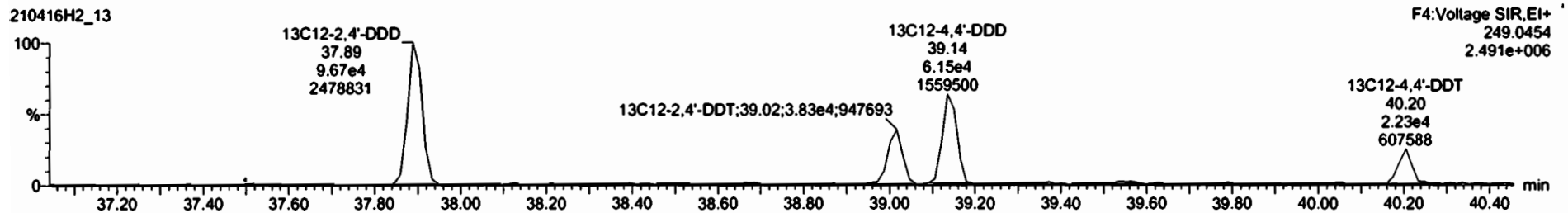


DDD-DDT-isotopes

210416H2\_13



210416H2\_13



Dataset: Untitled

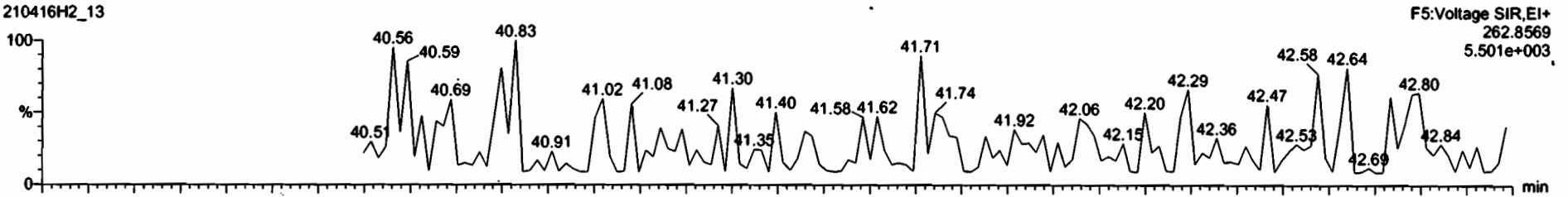
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

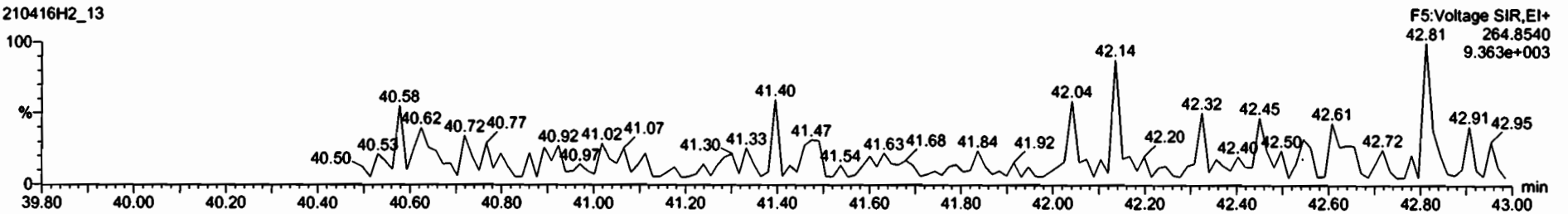
Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

Endosulfan Sulfate

210416H2\_13

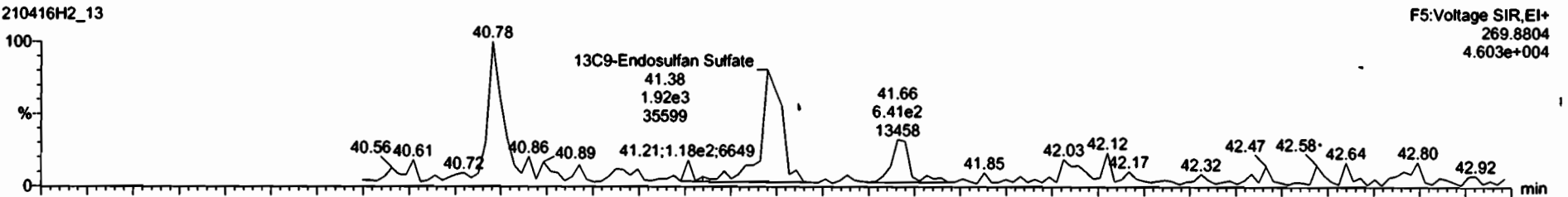


210416H2\_13

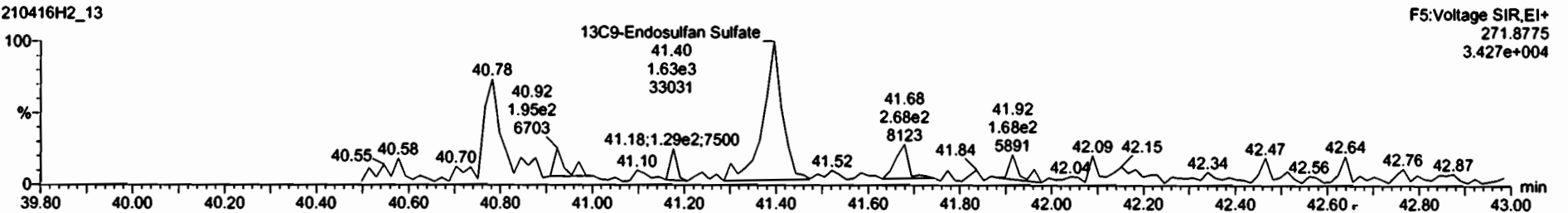


13C9-Endosulfan Sulfate

210416H2\_13



210416H2\_13



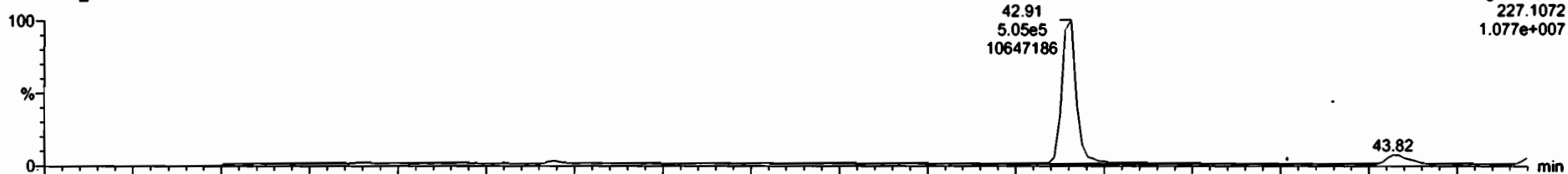
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

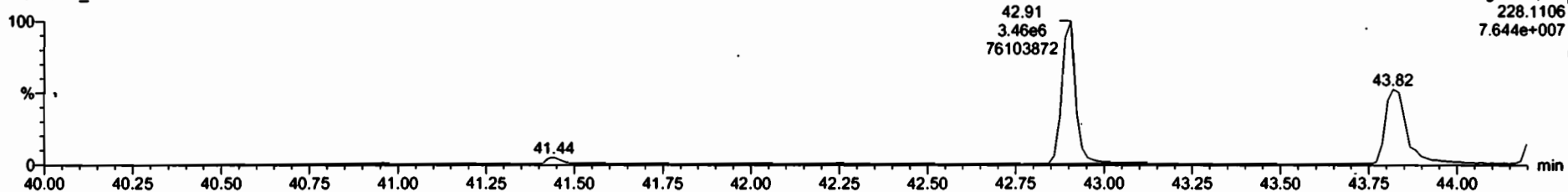
Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

**4,4'-Methoxychlor**

210416H2\_13

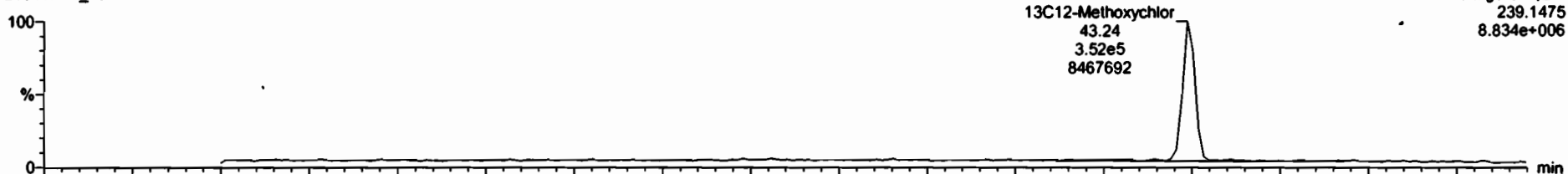


210416H2\_13

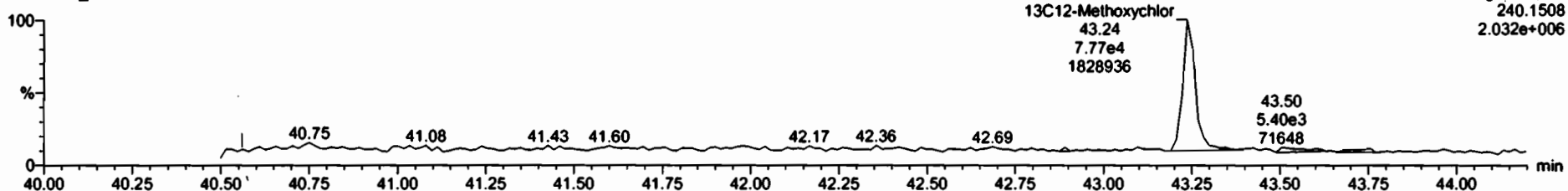


**13C12-Methoxychlor**

210416H2\_13



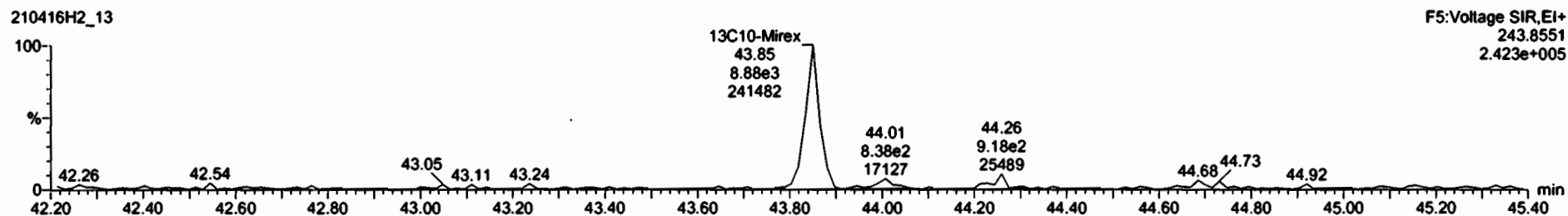
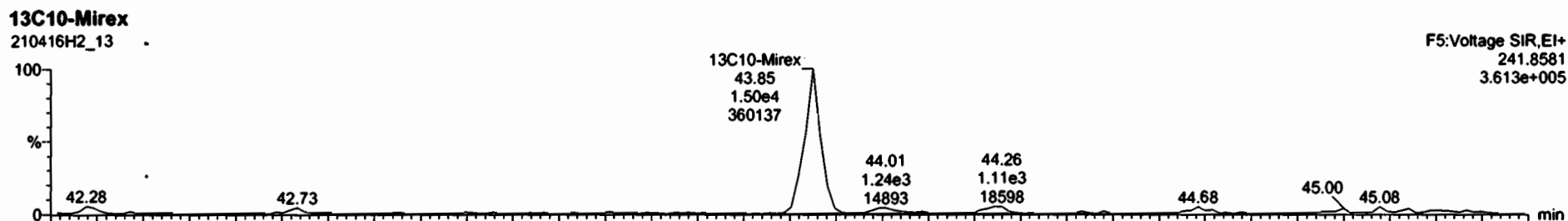
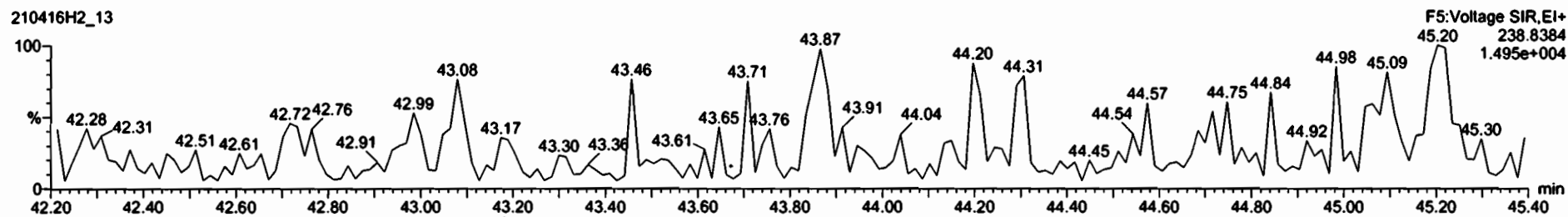
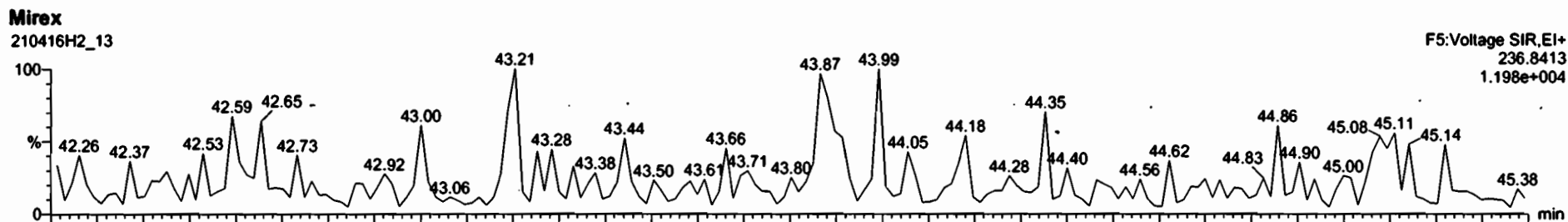
210416H2\_13



Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311



Dataset: Untitled

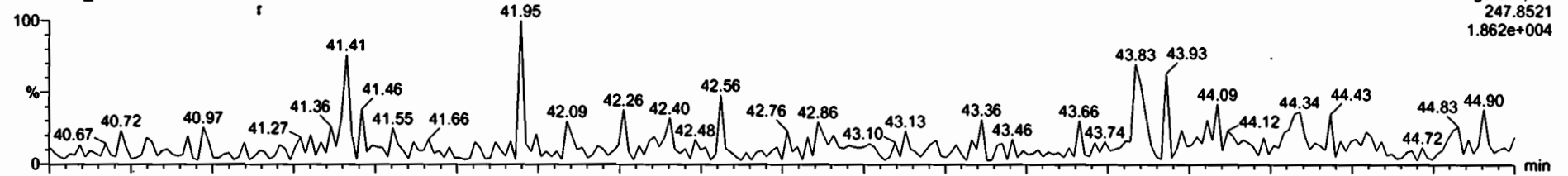
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

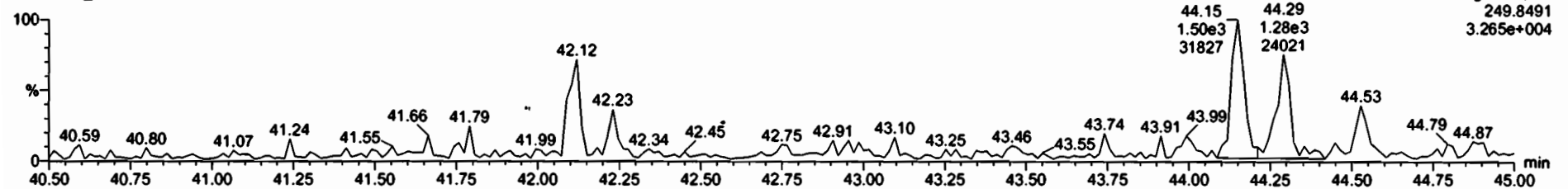
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EA-EK

210416H2\_13

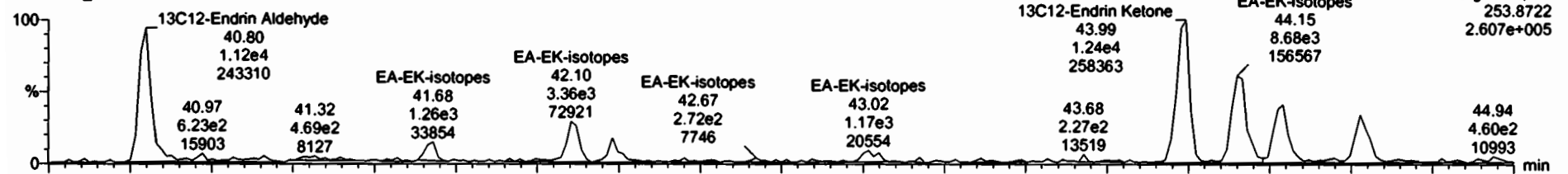


210416H2\_13

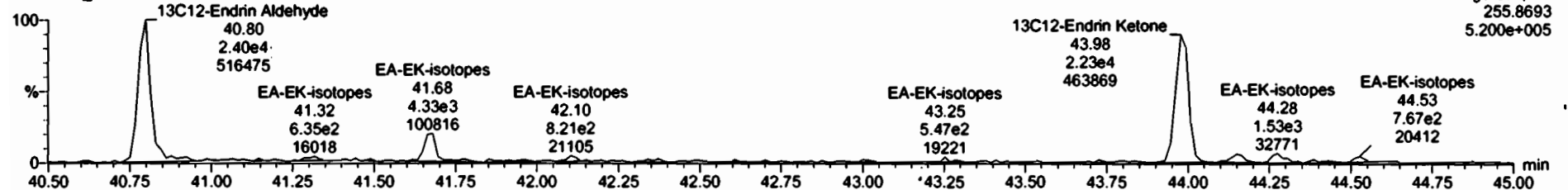


EA-EK-isotopes

210416H2\_13



210416H2\_13



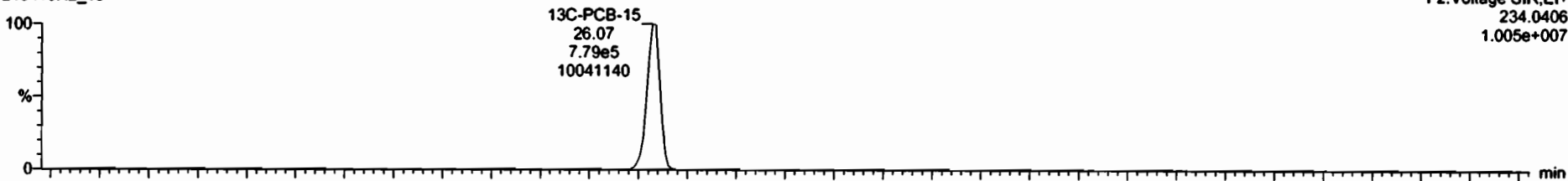
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

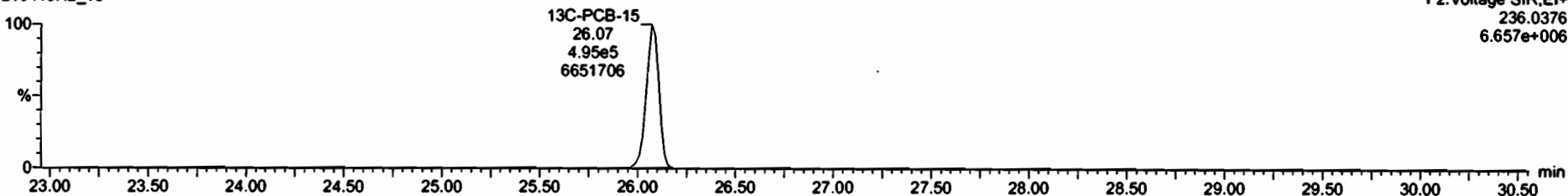
Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

**13C-PCB-15**

210416H2\_13

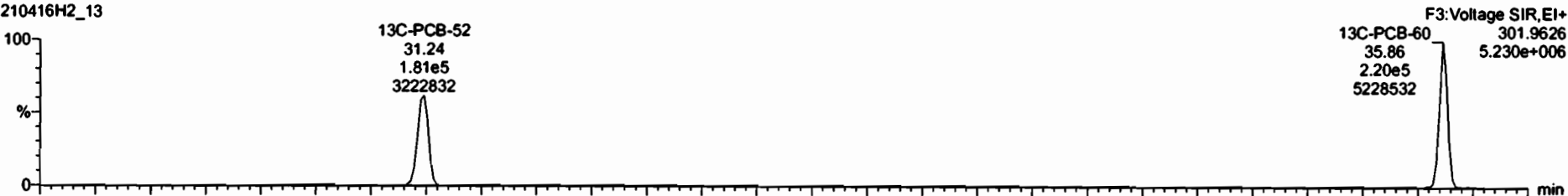


210416H2\_13

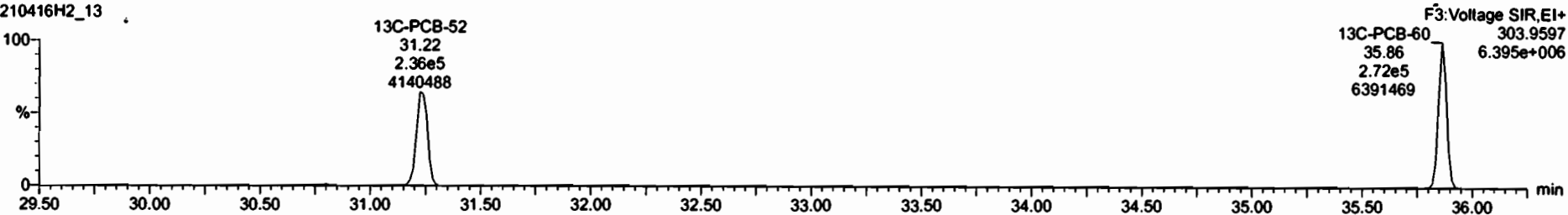


**13C-PCB-60**

210416H2\_13



210416H2\_13



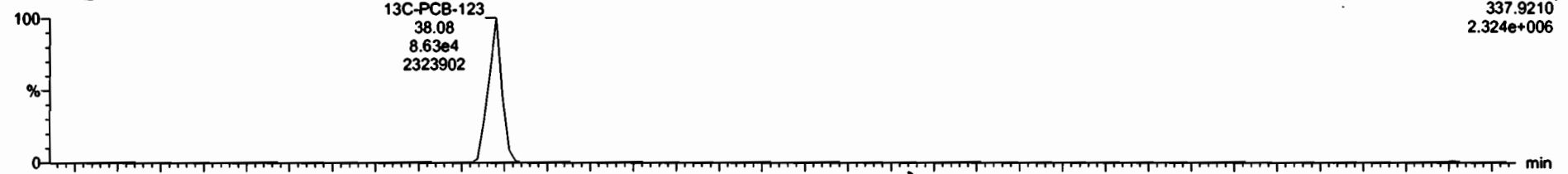
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

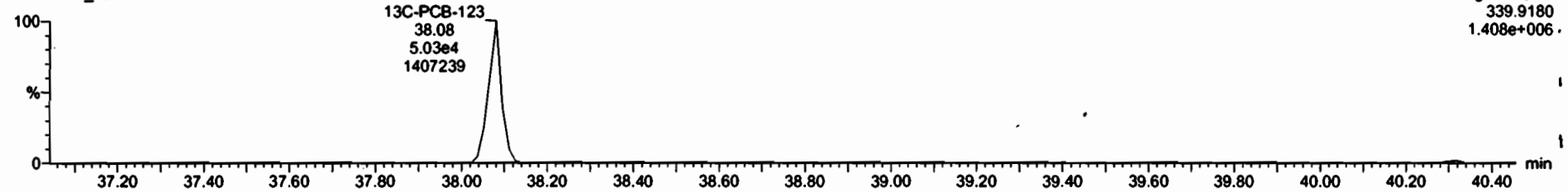
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**13C-PCB-123**

210416H2\_13



210416H2\_13

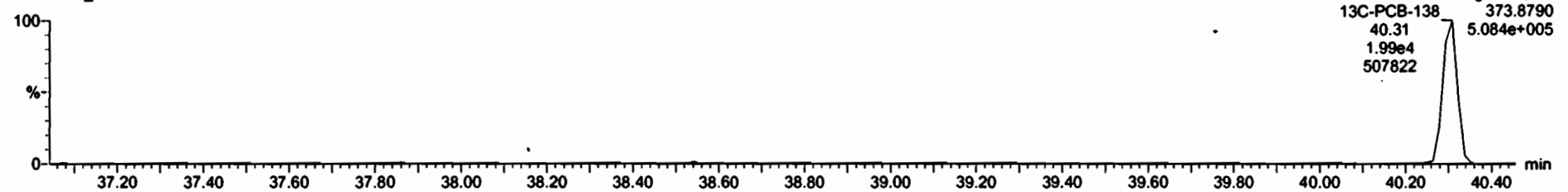


**13C-PCB-138**

210416H2\_13



210416H2\_13





Dataset: Untitled

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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

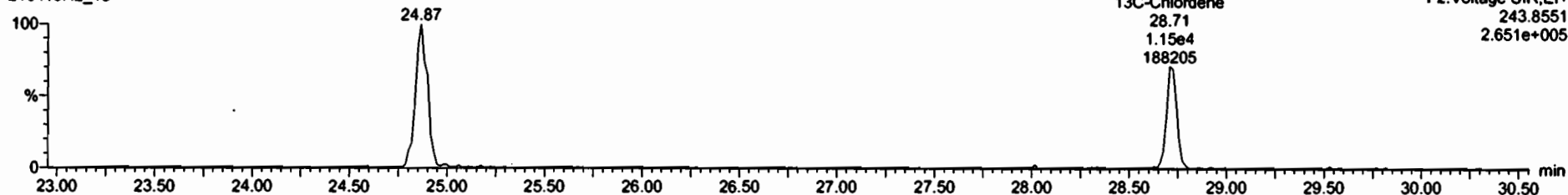
13C-Chlordene

210416H2\_13



F2:Voltage SIR,EI+  
241.8581  
4.396e+005

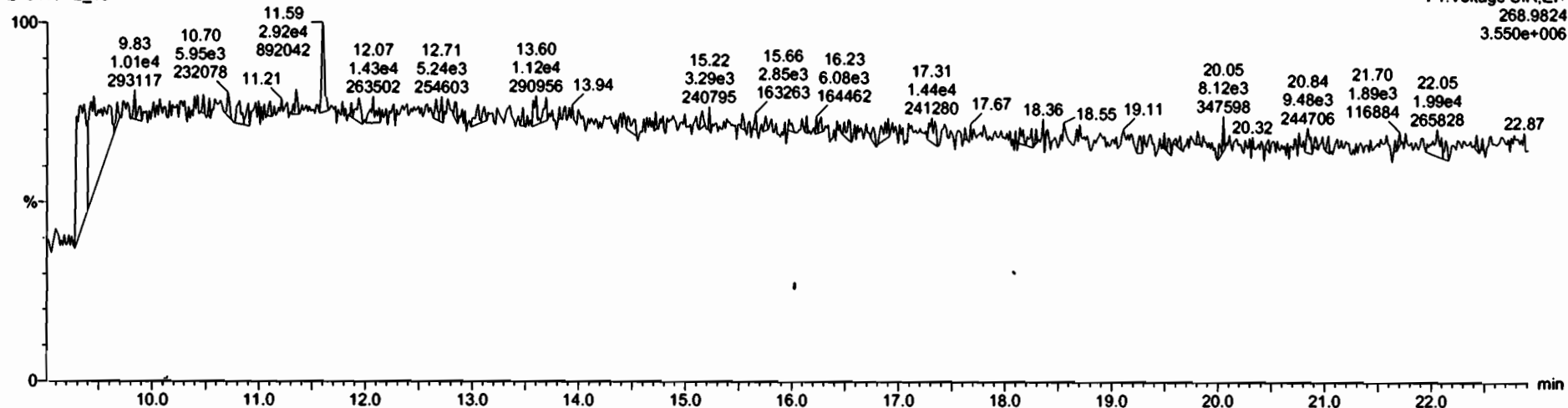
210416H2\_13



F2:Voltage SIR,EI+  
243.8551  
2.651e+005

PFK1

210416H2\_13



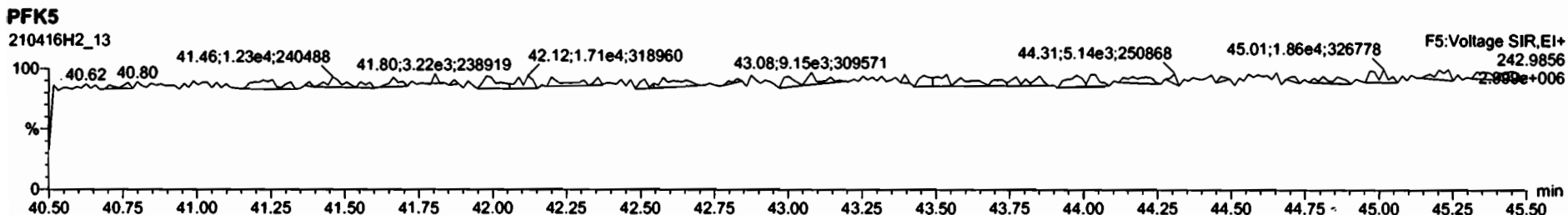
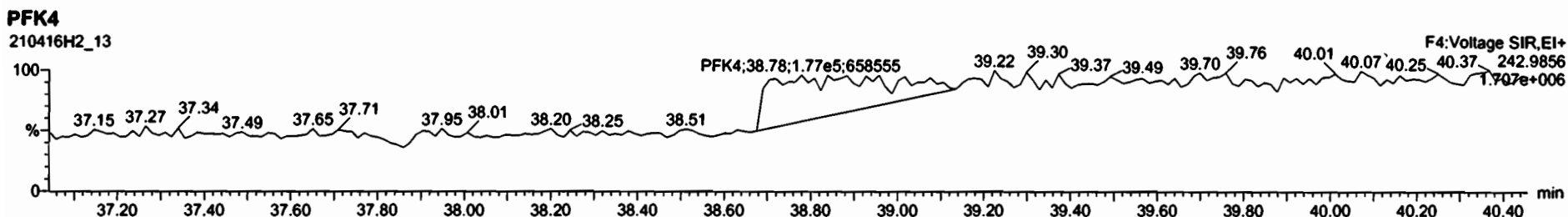
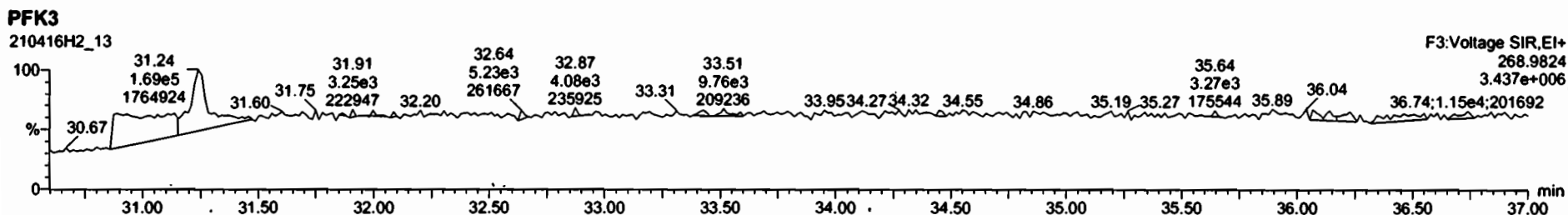
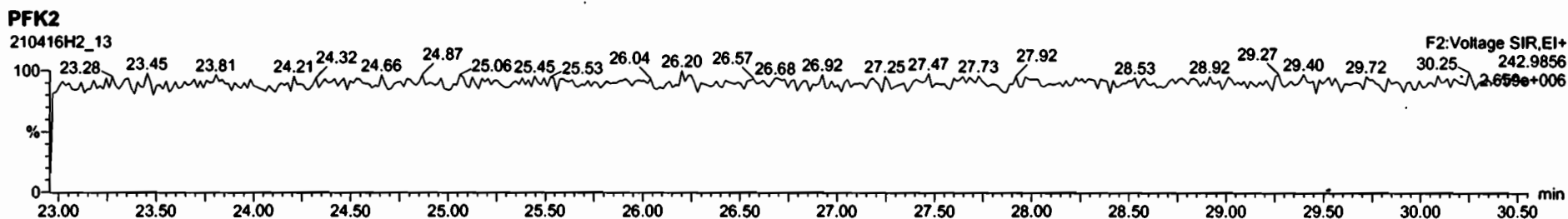
F1:Voltage SIR,EI+  
268.9824  
3.550e+006

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_13, Date: 16-Apr-2021, Time: 20:31:26, ID: 2103219-01 USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_16.qld

Last Altered: Wednesday, April 21, 2021 15:02:04 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 15:25:21 Pacific Daylight Time

*DF 04/21/21*  
*OL 04/26/21*  
*C: 04/26/2021*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\vb-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311, Task: ICAL210420H5

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
27	4,4'-DDT	3.07e5	1.24e4	1.56	NO	1.11	1.941	40.22	1.000	1.001	NO	11480		48.9	11500
55	13C12-4,4'-DDT	1.24e4	8.18e4	1.55	NO	0.455	1.941	40.20	1.122	1.122	NO	172.27	33.4	28.9	
63	13C-PCB-60	8.18e4	8.18e4	0.80	NO	1.00	1.941	35.85	1.000	1.000	NO	515.17	100	2.63	

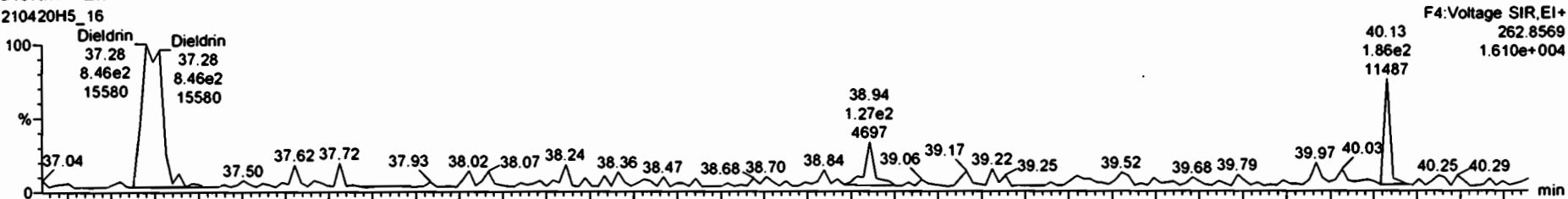
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Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

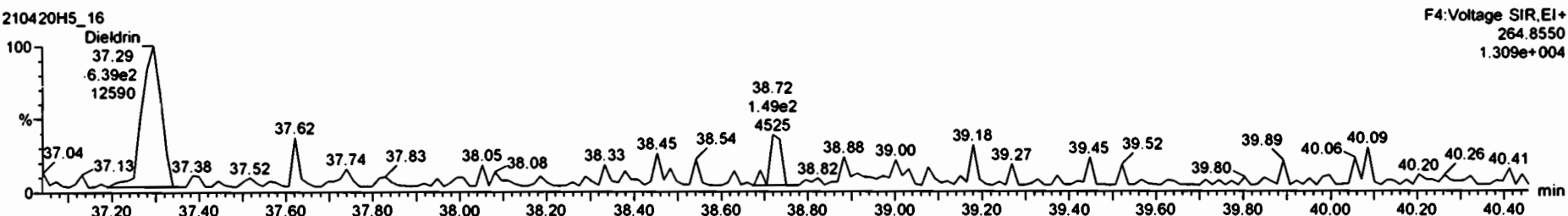
Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

Dieldrin-EII

210420H5\_16

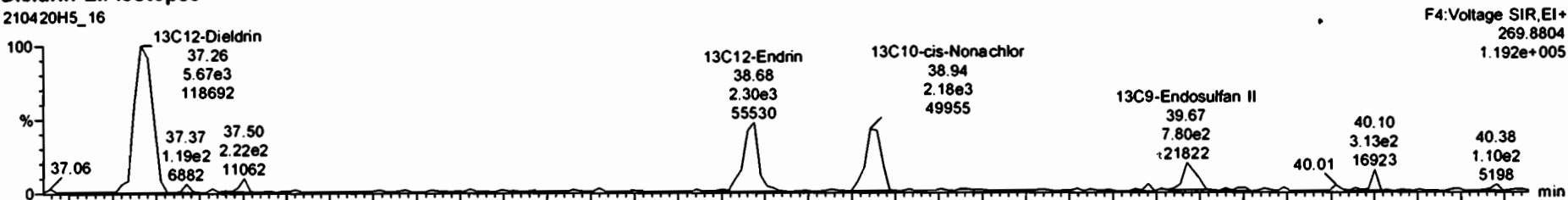


210420H5\_16

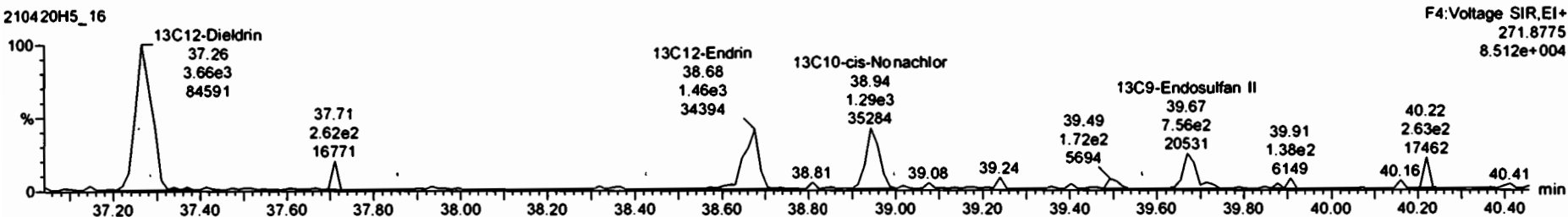


Dieldrin-EII-isotopes

210420H5\_16



210420H5\_16



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

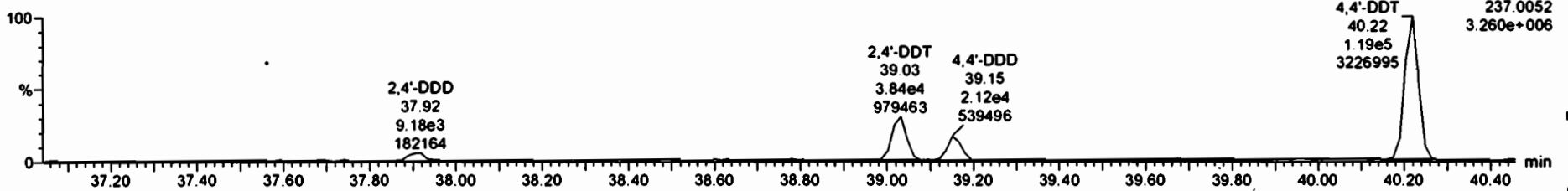
Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

DDD-DDT

210420H5\_16

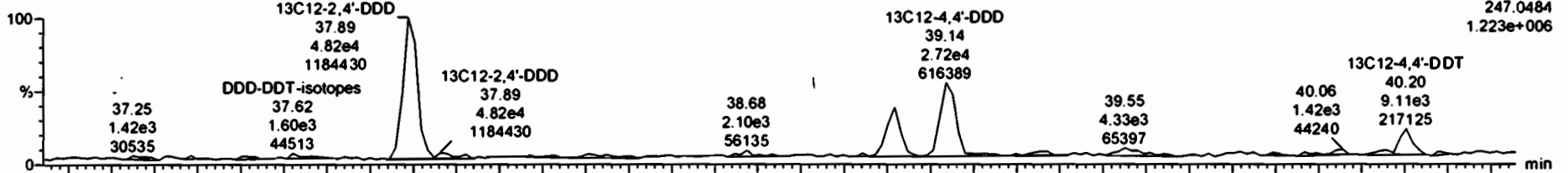


210420H5\_16

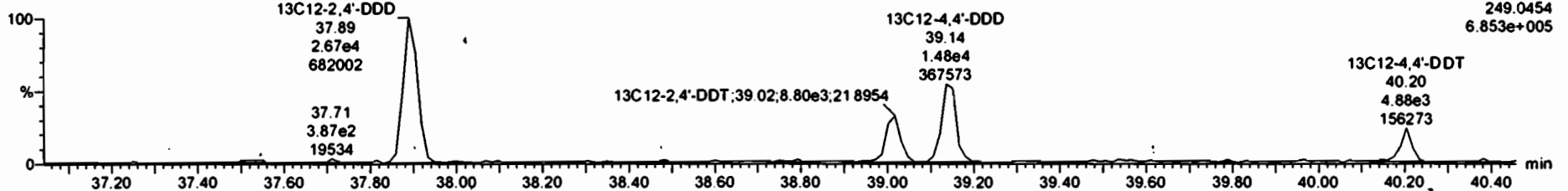


DDD-DDT-isotopes

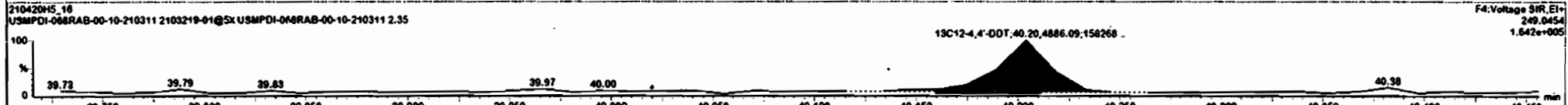
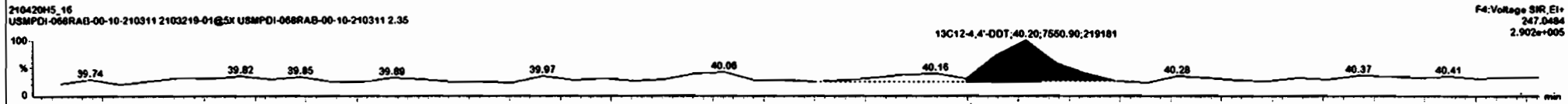
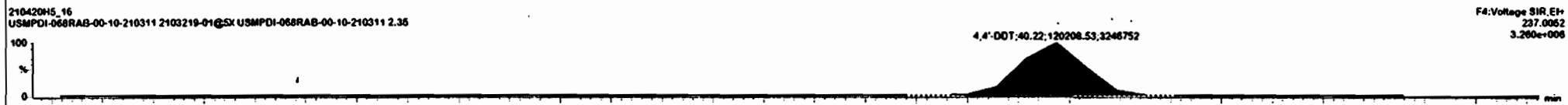
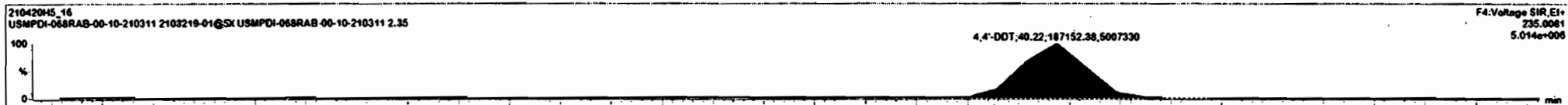
210420H5\_16



210420H5\_16



#	Name	Ratio	SAREA	RA	My	RUP	wVol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	ELPC
38	12CE-Dea-BHC	3.80e4	3.20e5	0.77	NO	0.17	1.9411	30.27	30.25	1.165	1.160	NO	371.0	72.0	7.79	
39	13C10-Hexachlor	1.86e4	3.20e5	1.24	NO	0.11	1.9411	28.72	28.74	1.161	1.102	NO	286.1	55.5	1.99	
40	13C12-Adrin	2.66e4	3.20e5	1.47	NO	0.15	1.9411	30.80	30.82	1.181	1.121	NO	282.1	54.8	2.56	
41	13C10-Dryobromane	6.81e3	3.20e5	1.69	NO	0.04	1.9411	33.37	33.38	1.279	1.280	NO	249.0	43.3	8.24	
42	13C10-cis-Heptachlor E	8.16e3	3.20e5	1.59	NO	0.06	1.9411	34.12	34.12	1.309	1.310	NO	257.3	49.9	6.79	
43	13C10-trans-Chlordane	4.40e3	3.20e5	1.83	NO	0.04	1.9411	35.05	35.07	1.343	1.344	NO	181.9	35.3	9.99	
44	13C10-trans-Nonachlor	4.48e3	8.18e4	1.41	NO	0.08	1.9411	35.24	35.24	0.983	0.983	NO	365.3	70.9	12.1	
45	13C9-Endosulfan (Epi)	3.09e3	8.18e4	1.40	NO	0.05	1.9411	35.62	35.64	1.000	1.020	NO	359.4	69.6	17.2	
46	13C12-2,4'-DDE	1.52e5	8.18e4	1.83	NO	1.84	1.9411	35.70	35.68	0.998	0.995	NO	522.5	101	4.57	
47	13C12-4,4'-DDE	8.21e4	8.18e4	1.58	NO	1.31	1.9411	38.75	38.77	1.025	1.026	NO	395.9	78.8	6.42	
48	13C12-Dieldrin	5.33e3	8.18e4	1.55	NO	0.18	1.9411	37.26	37.29	1.040	1.040	NO	331.7	64.4	10.1	
49	13C12-Endrin	3.75e3	8.18e4	1.57	NO	0.08	1.9411	38.67	38.68	1.079	1.079	NO	286.3	56.6	21.7	
50	13C12-cis-Nonachlor	3.47e3	8.18e4	1.69	NO	0.25	1.9411	38.54	38.96	1.086	1.087	NO	240.8	46.7	19.8	
51	13C9-Endosulfan S	1.54e3	8.18e4	1.02	YES	0.23	1.9411	39.87	39.89	1.107	1.127	NO	323.5	82.9	66.2	
52	13C12-2,4'-DDD	7.49e4	8.18e4	1.80	NO	1.21	1.9411	37.89	37.89	1.057	1.057	NO	388.2	75.4	10.8	
53	13C12-2,4'-DDT	2.51e4	8.18e4	1.85	NO	0.66	1.9411	39.02	39.04	1.088	1.088	NO	238.7	46.3	19.8	
54	13C12-4,4'-DDD	4.21e4	8.18e4	1.84	NO	0.95	1.9411	39.13	39.16	1.082	1.082	NO	278.0	54.1	13.8	
55	13C12-4,4'-DDT	1.24e4	8.18e4	1.55	NO	0.45	1.9411	40.22	40.22	1.122	1.122	NO	172.3	33.4	28.9	
56	13C9-Endosulfan Sulfate	1.03e3	8.18e4	1.60	NO	0.34	1.9411	41.42	41.42	1.155	1.158	NO	177.7	34.5	55.8	
57	13C12-Methoxychlor	8.20e4	8.18e4	7.18	NO	0.43	1.9411	43.24	43.26	1.206	1.207	NO	1194	23.2	61.0	



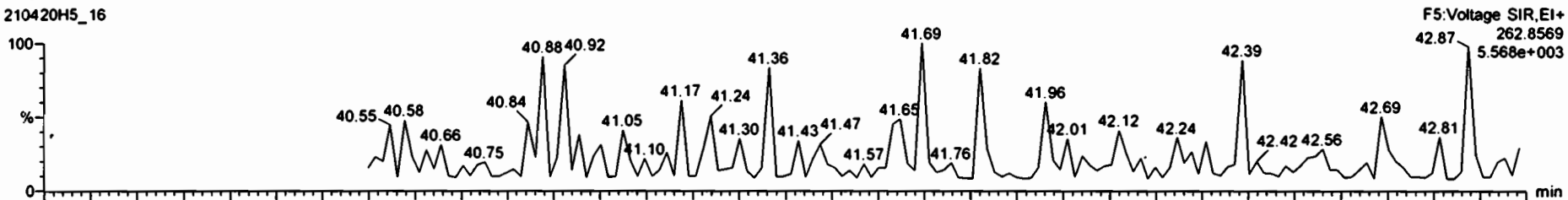
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Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

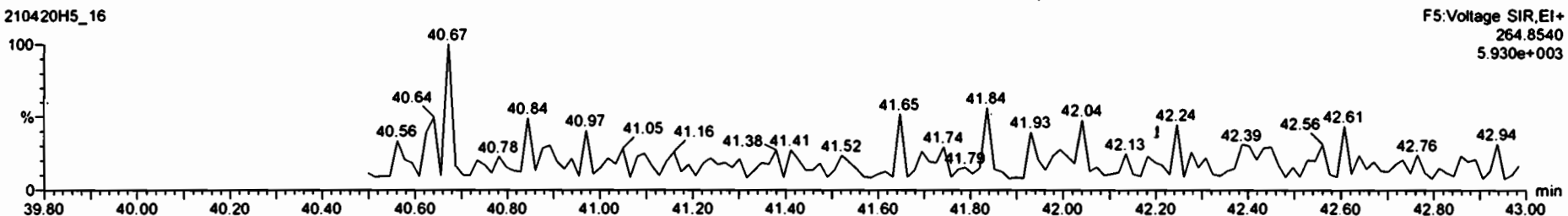
Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

Endosulfan Sulfate

210420H5\_16

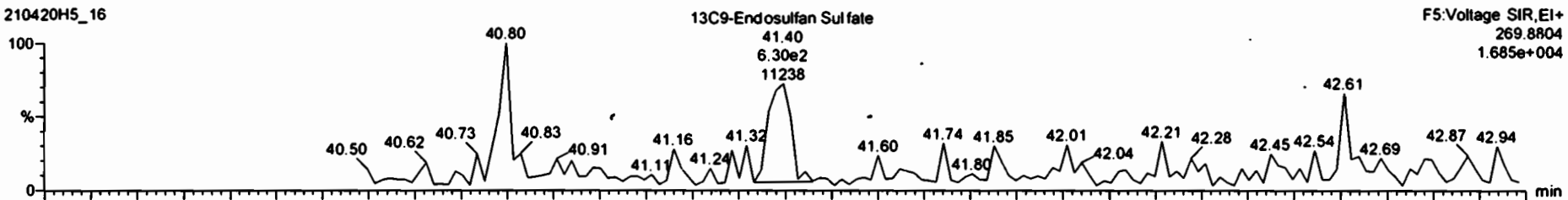


210420H5\_16

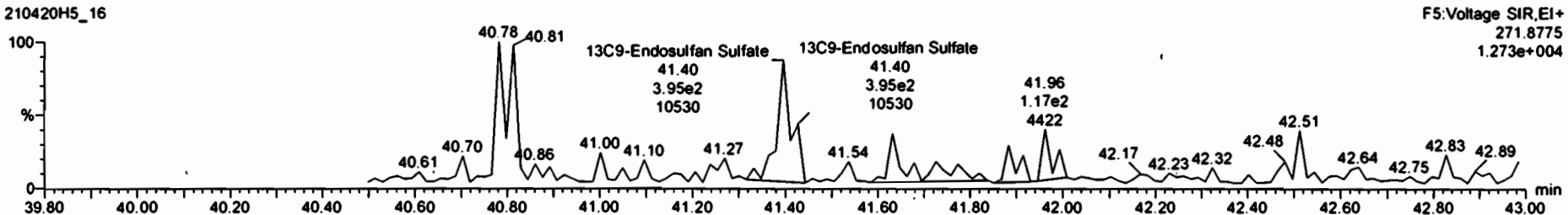


13C9-Endosulfan Sulfate

210420H5\_16



210420H5\_16



Dataset: Untitled

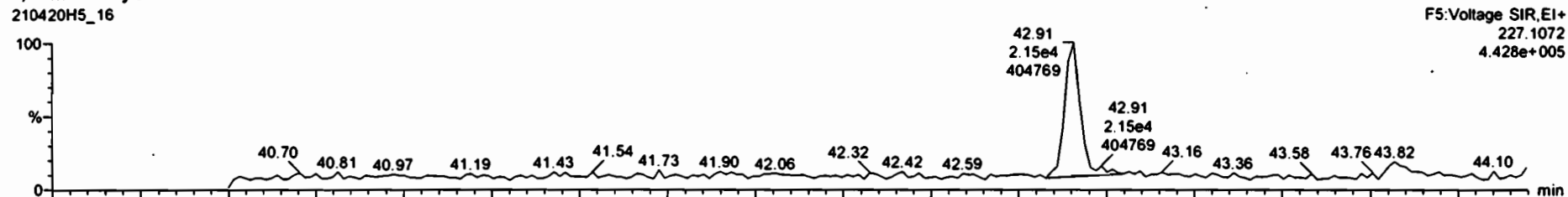
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

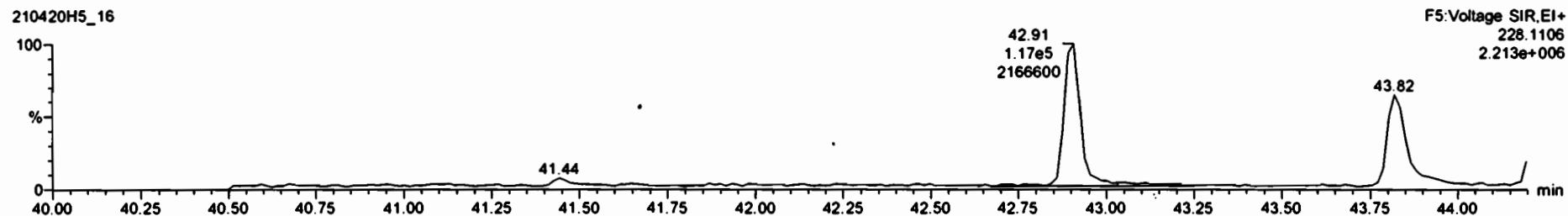
Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

4,4'-Methoxychlor

210420H5\_16

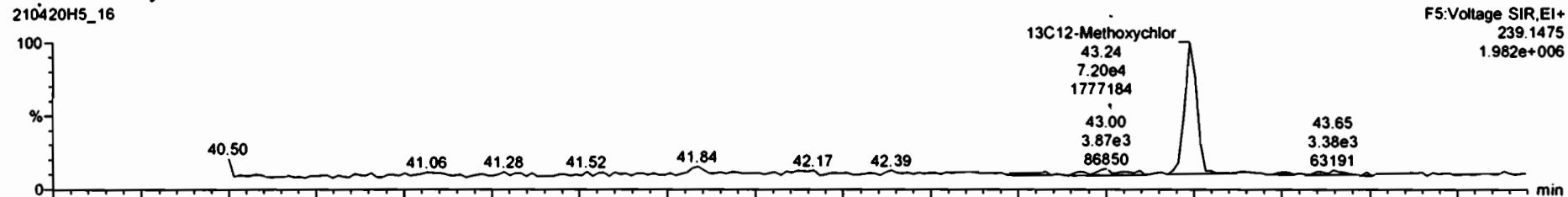


210420H5\_16

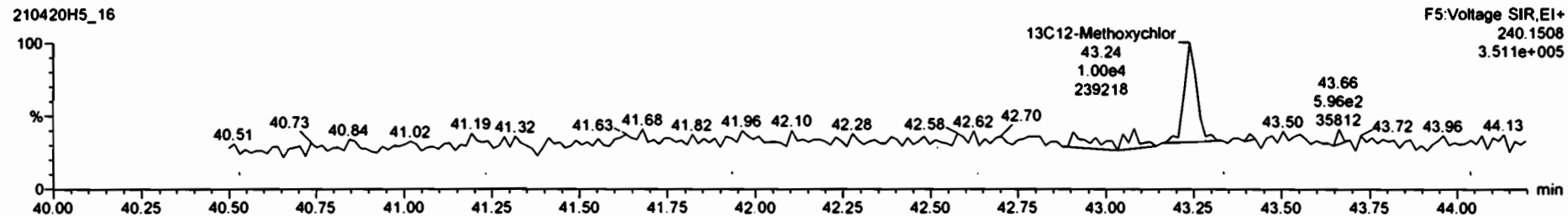


13C12-Methoxychlor

210420H5\_16



210420H5\_16





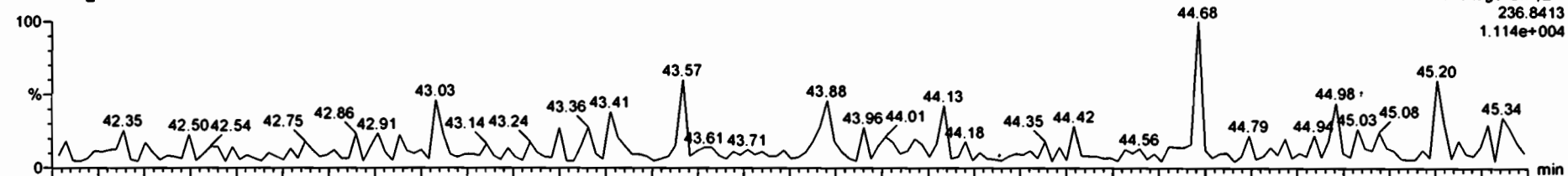
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Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

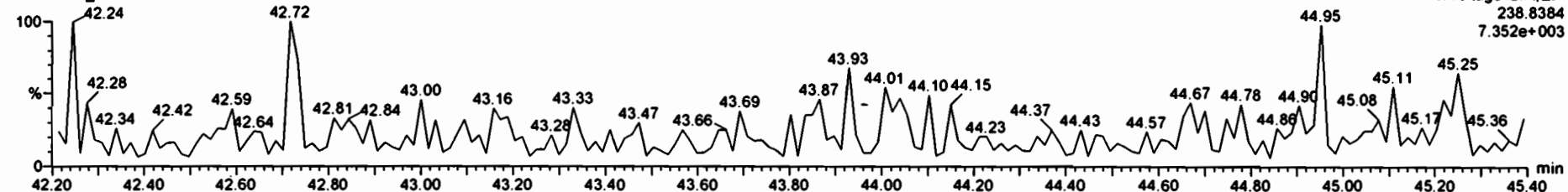
Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

Mirex

210420H5\_16

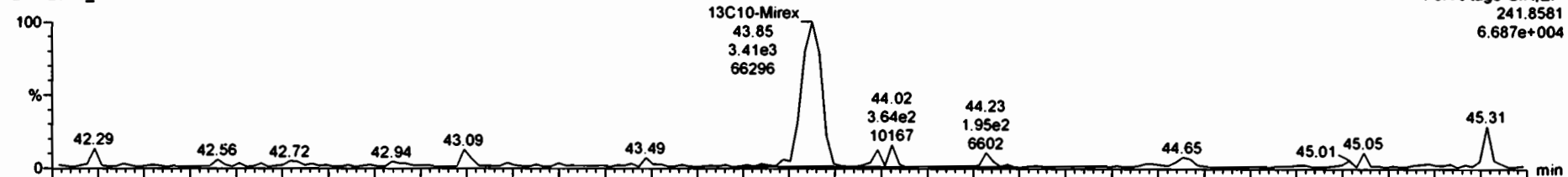


210420H5\_16

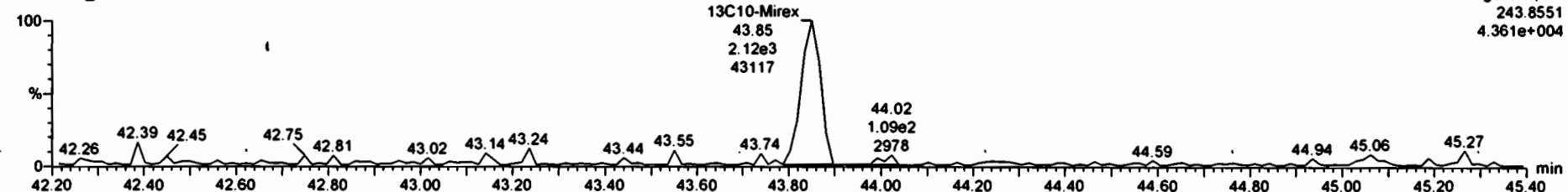


13C10-Mirex

210420H5\_16



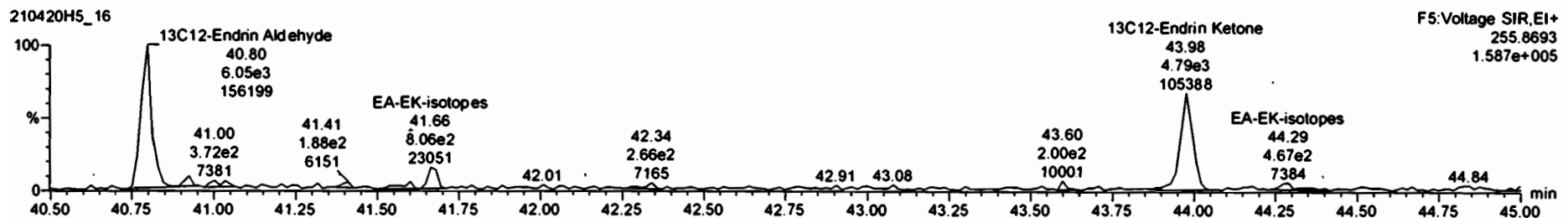
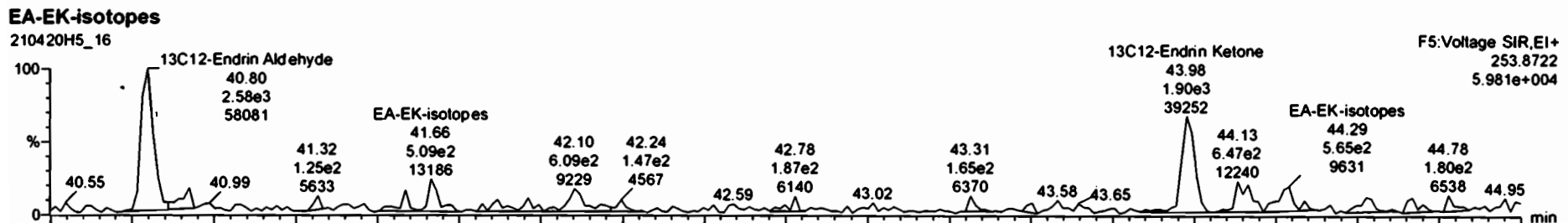
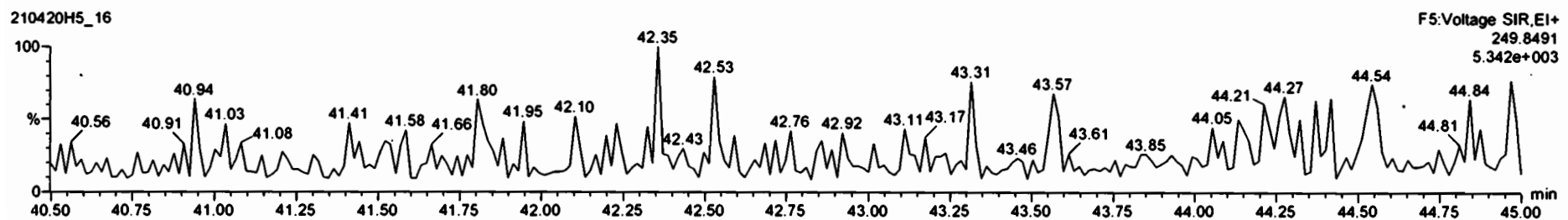
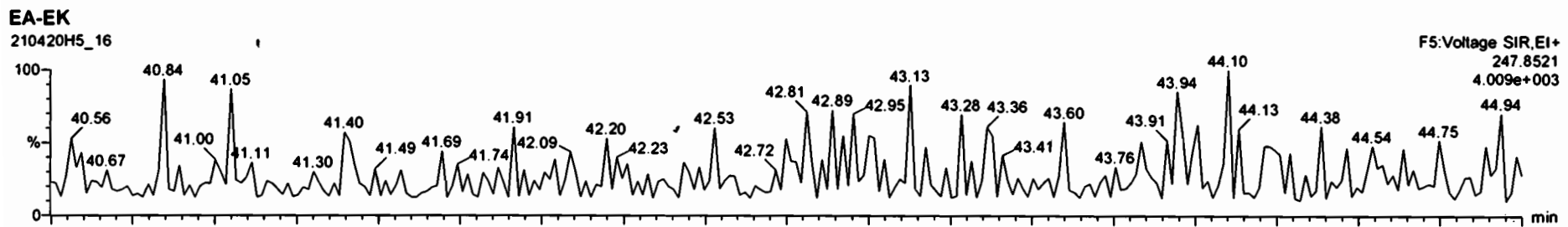
210420H5\_16



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

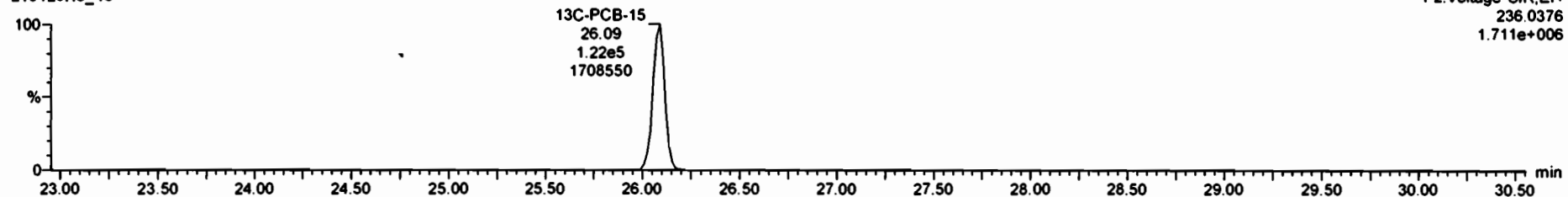
Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

13C-PCB-15

210420H5\_16



210420H5\_16

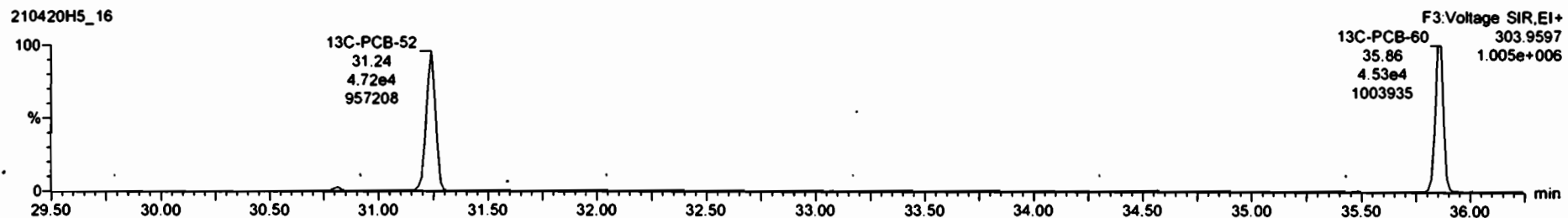


13C-PCB-60

210420H5\_16



210420H5\_16



Dataset: Untitled

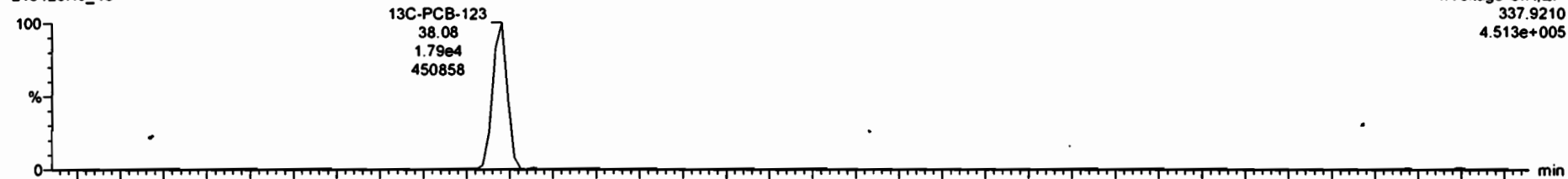
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

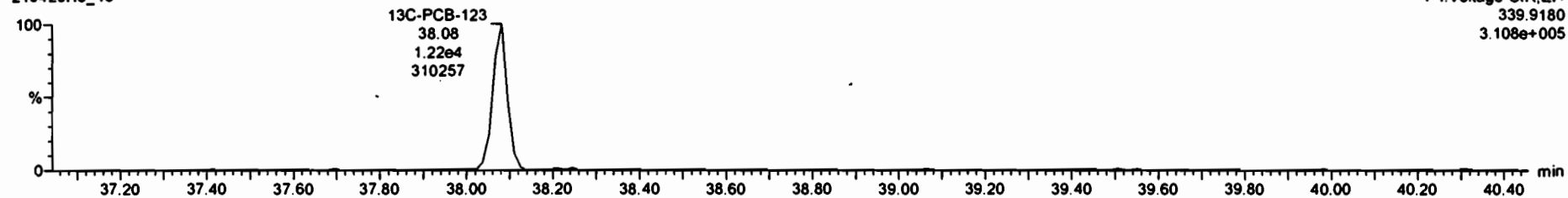
13C-PCB-123

210420H5\_16



F4:Voltage SIR,EI+  
337.9210  
4.513e+005

210420H5\_16



F4:Voltage SIR,EI+  
339.9180  
3.108e+005

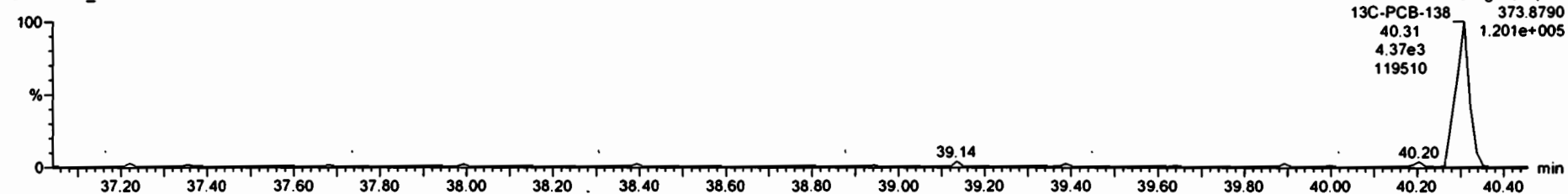
13C-PCB-138

210420H5\_16



F4:Voltage SIR,EI+  
371.8820  
1.649e+005

210420H5\_16



F4:Voltage SIR,EI+  
373.8790  
1.201e+005

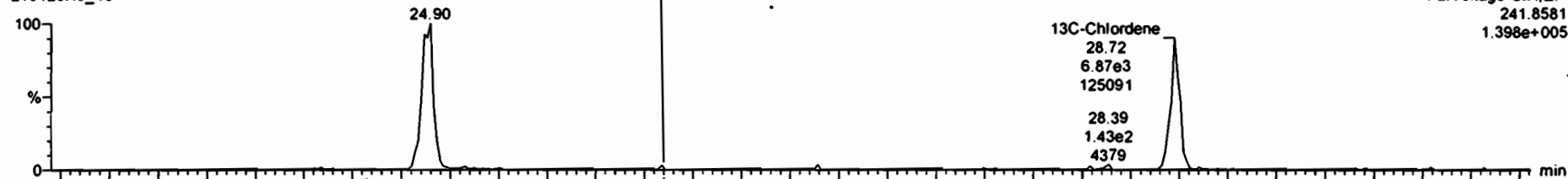
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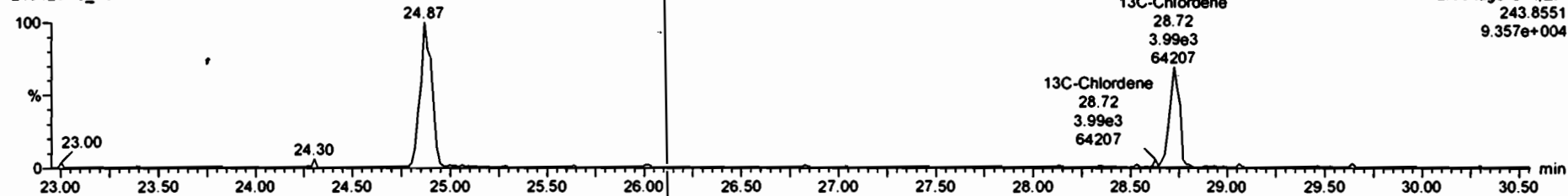
Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311

13C-Chlordene

210420H5\_16

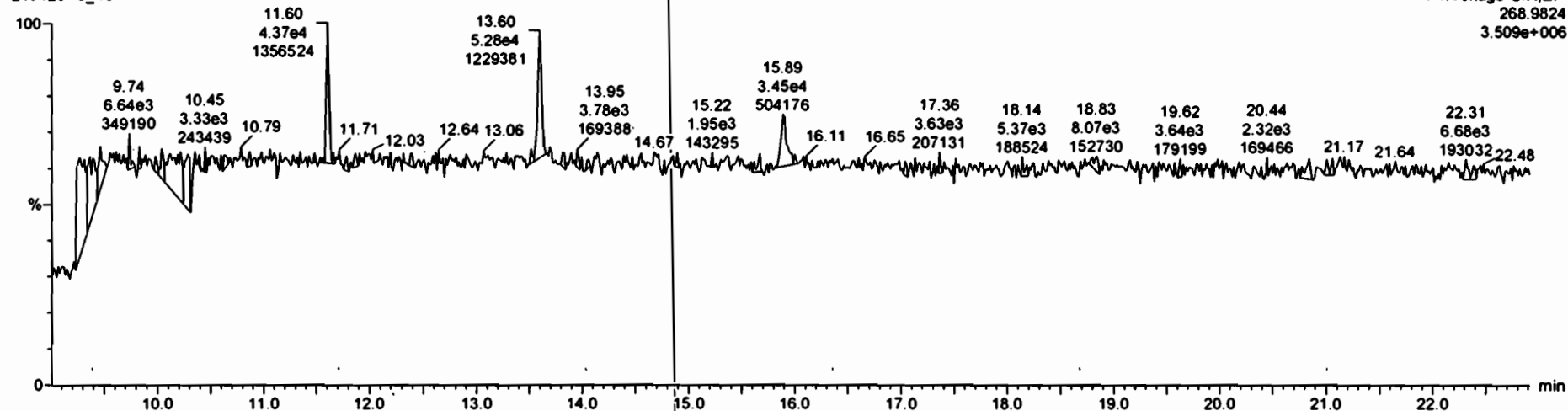


210420H5\_16



PFK1

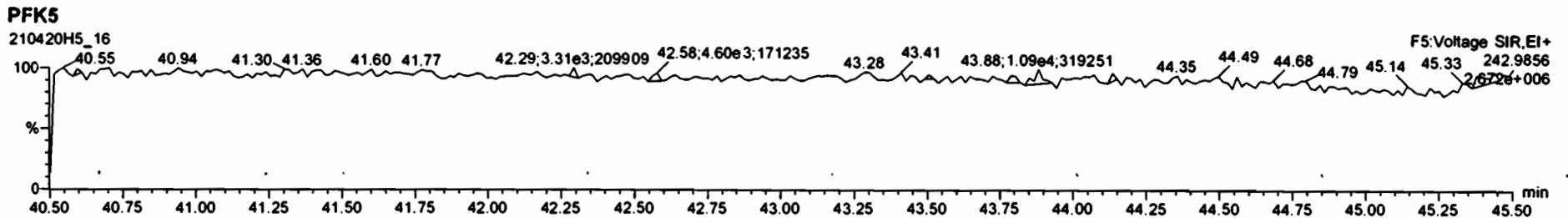
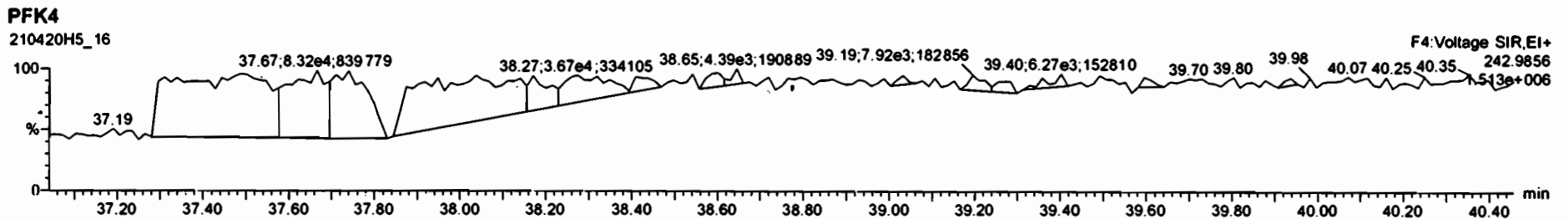
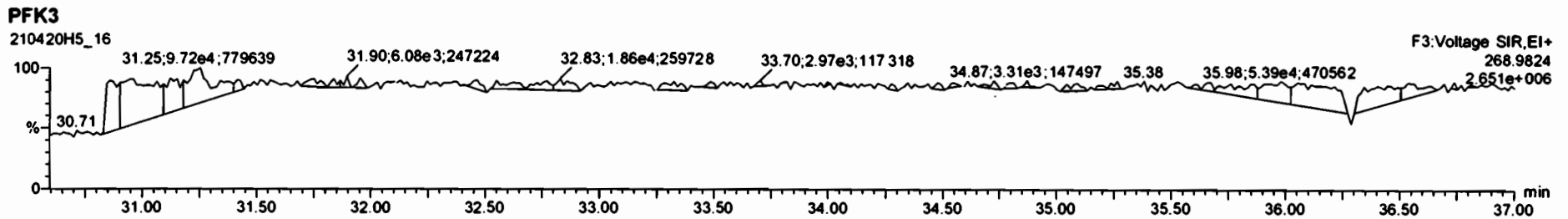
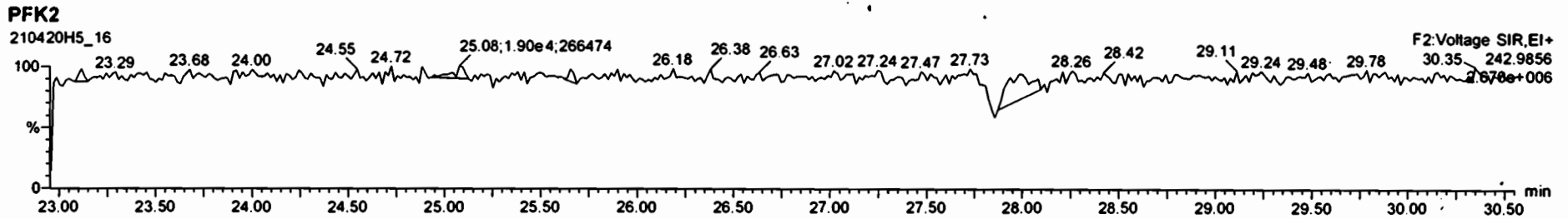
210420H5\_16



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5\_16, Date: 21-Apr-2021, Time: 06:25:44, ID: 2103219-01@5X USMPDI-068RAB-00-10-210311 2.35, Description: USMPDI-068RAB-00-10-210311



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_8.qld

Last Altered: Tuesday, April 20, 2021 16:25:08 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 16:30:23 Pacific Daylight Time

*DF 04/20/21*  
*OC 04/26/21*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

*C7 04/26/2021*

Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...		2.90e5		NO	0.860	1.355 ✓			1.000	YES			1.69	
2	9 Aldrin		3.84e4		NO	1.09	1.355			1.001	YES			3.96	
3	10 Oxychlorane		6.77e4		NO	1.06	1.355			1.001	YES			1.70	
4	13 trans-Chlordane (g...		5.73e4		NO	1.14	1.355			1.001	YES			1.78	
5	14 trans-Nonachlor		6.30e4		NO	1.06	1.355			1.000	YES			1.70	
6	15 cis-Chlordane		6.30e4		NO	1.16	1.355			1.016	YES			1.54	
7	18 2,4'-DDE		1.64e6		NO	1.02	1.355			1.000	YES			0.644	
8	19 4,4'-DDE	7.53e4	1.11e6	1.52	NO	1.04	1.355	36.78 ✓	1.001	1.000	NO	48.042		0.921	48.0
9	20 Dieldrin	5.48e2	1.31e5	2.08	YES	1.03	1.355	37.28 ✓	1.000	1.001	NO	<del>3.0820</del>		<del>1.25</del>	2.50
10	22 cis-Nonachlor		6.34e4		NO	1.00	1.355			1.000	YES			2.64	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_8.qld

Last Altered: Tuesday, April 20, 2021 16:25:08 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 16:30:33 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb.12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311,  
Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec.	DL	EMPC
1	24 2,4'-DDD	9.77e3	1.24e6	1.10	YES	1.07	1.355	37.90 ✓	1.000	1.000	NO	<del>5.4424</del>		<del>1.41</del>	4.69
2	25 2,4'-DDT	2.28e4	5.10e5	1.21	NO	1.05	1.355	39.03 ✓	1.001	1.000	NO	31.518		3.55	31.5
3	26 4,4'-DDD	4.02e4	9.05e5	1.46	NO	1.16	1.355	39.15 ✓	1.000	1.000	NO	28.201		1.65	28.2
4	27 4,4'-DDT	7.55e4	3.68e5	1.66	NO	1.13	1.355	40.20 ✓	1.000	1.001	NO	133.81		<del>4.56</del>	134
5	36 13C6-Lindane (ga...	2.90e5	2.00e6	0.79	NO	0.194	1.355	26.57	1.020	1.019	NO	552.22	74.8	2.11	
6	40 13C12-Aldrin	3.84e4	2.00e6	1.62	NO	0.154	1.355	30.79	1.182	1.181	NO	91.895	12.4	1.70	
7	41 13C10-Oxychlorda...	6.77e4	2.00e6	1.58	NO	0.0404	1.355	33.35	1.280	1.280	NO	617.49	83.6	6.50	



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_8.qld

Last Altered: Tuesday, April 20, 2021 16:25:08 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 16:30:42 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	5.73e4	2.00e6	1.47	NO	0.0358	1.355	35.03	1.344	1.344	NO	590.35	80.0	7.33	
2	44 13C10-trans-Nona...	6.30e4	1.13e6	1.65	NO	0.0638	1.355	35.22	0.983	0.983	NO	645.01	87.4	3.91	
3	46 13C12-2,4'-DDE	1.64e6	1.13e6	1.59	NO	1.43	1.355	35.69	0.996	0.995	NO	748.31	101	0.916	
4	47 13C12-4,4'-DDE	1.11e6	1.13e6	1.58	NO	0.995	1.355	36.75	1.025	1.026	NO	731.79	99.1	1.32	
5	48 13C12-Dieldrin	1.31e5	1.13e6	1.69	NO	0.146	1.355	37.28	1.040	1.040	NO	584.18	79.1	6.93	
6	50 13C10-cis-Nonach...	6.34e4	1.13e6	1.59	NO	0.0791	1.355	38.94	1.086	1.087	NO	522.78	70.8	12.8	
7	52 13C12-2,4'-DDD	1.24e6	1.13e6	1.56	NO	1.35	1.355	37.89	1.057	1.057	NO	599.41	81.2	1.19	
8	53 13C12-2,4'-DDT	5.10e5	1.13e6	1.60	NO	0.962	1.355	39.00	1.088	1.089	NO	345.80	46.8	1.67	
9	54 13C12-4,4'-DDD	9.05e5	1.13e6	1.55	NO	1.12	1.355	39.14	1.092	1.092	NO	525.13	71.1	1.43	
10	55 13C12-4,4'-DDT	3.68e5	1.13e6	1.56	NO	0.735	1.355	40.19	1.121	1.122	NO	326.79	44.3	2.19	
11	62 13C-PCB-15	2.00e6	2.00e6	1.57	NO	1.00	1.355	26.06	1.000	1.000	NO	738.20	100	0.328	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_8.qld

Last Altered: Tuesday, April 20, 2021 16:25:08 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 16:30:46 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\cb-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311,  
Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	1.13e6	1.13e6	0.82	NO	1.00	1.355	35.85	1.000	1.000	NO	738.20	100	0.466	

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

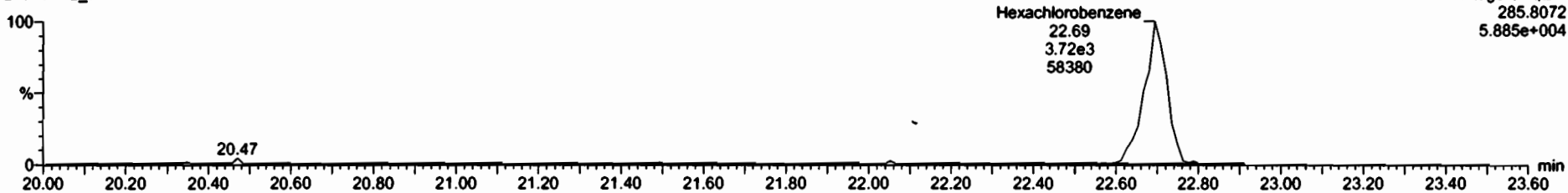
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Hexachlorobenzene

210416H2\_8



210416H2\_8

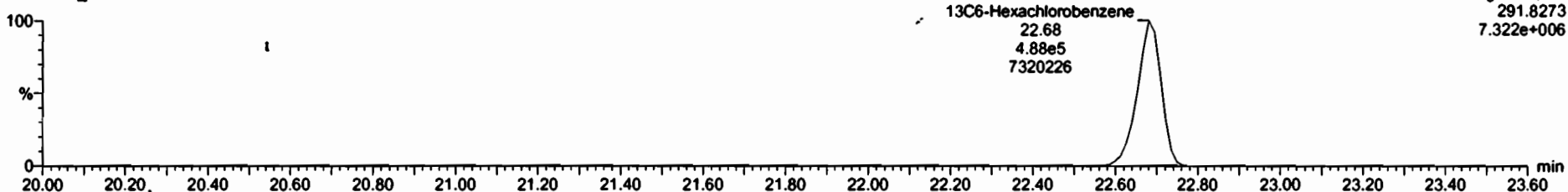


13C6-Hexachlorobenzene

210416H2\_8



210416H2\_8



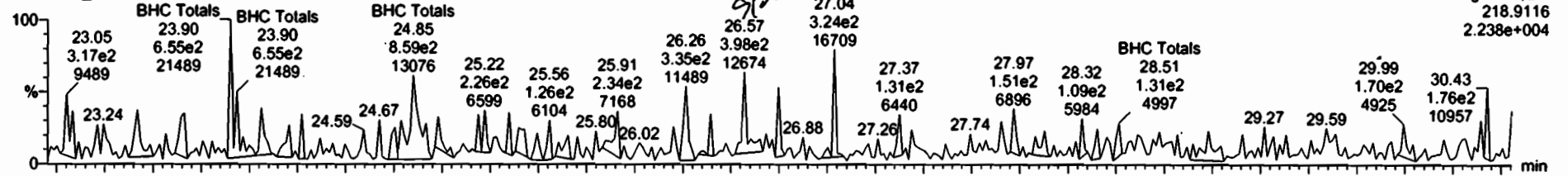
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

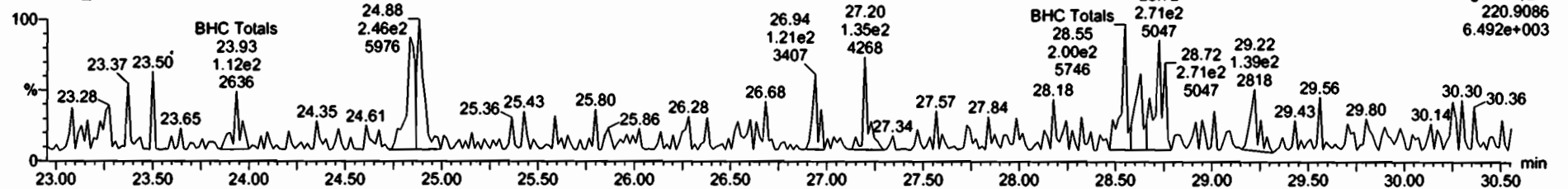
Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311

**BHC Totals**

210416H2\_8

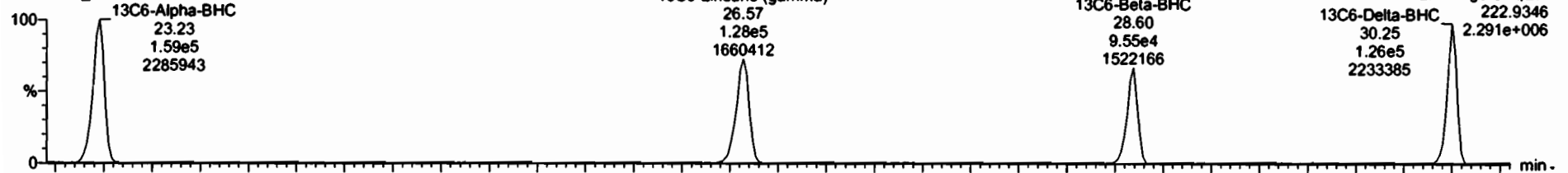


210416H2\_8

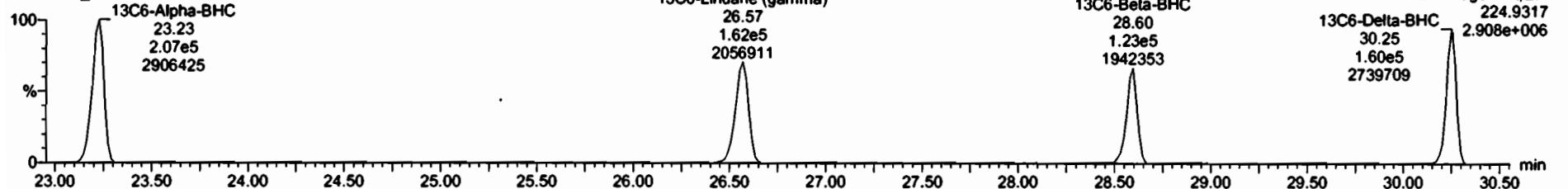


**BHC-isotopes**

210416H2\_8



210416H2\_8



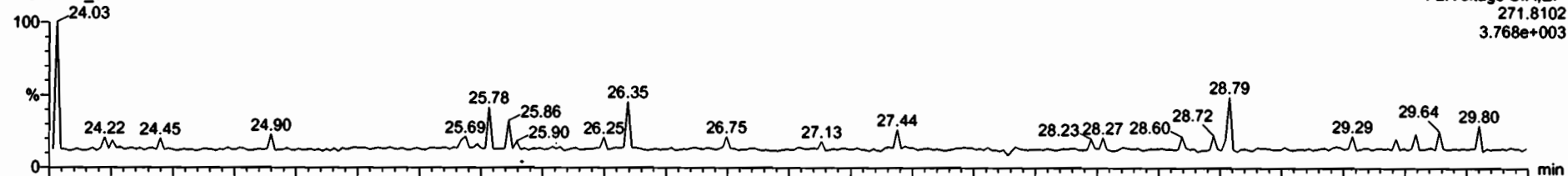
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

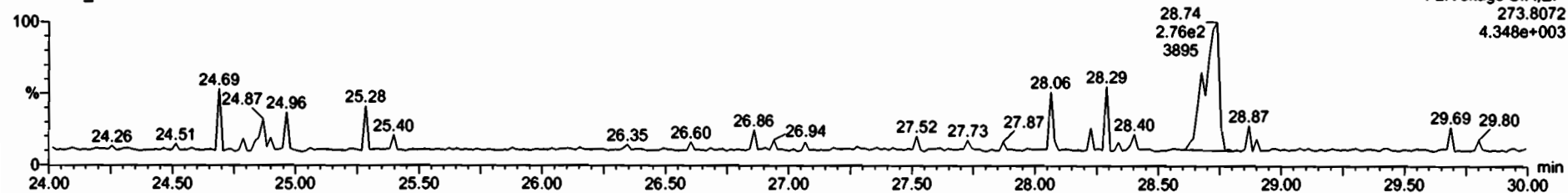
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Heptachlor

210416H2\_8



210416H2\_8

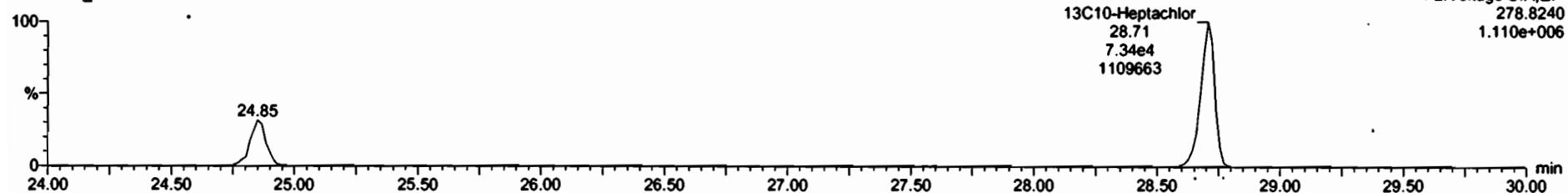


13C10-Heptachlor

210416H2\_8



210416H2\_8

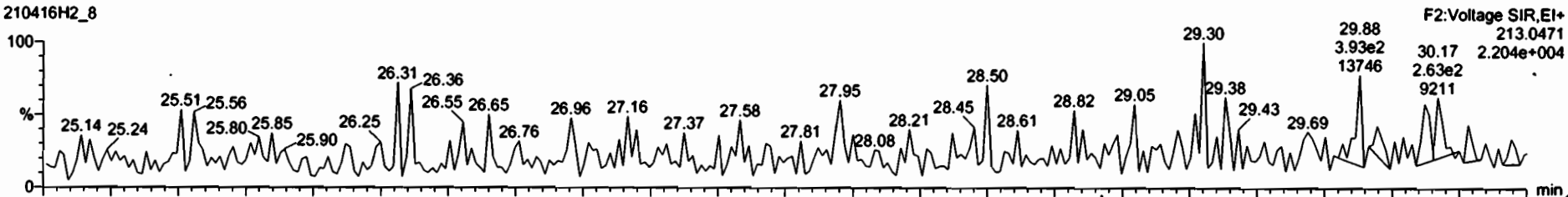


Dataset: Untitled

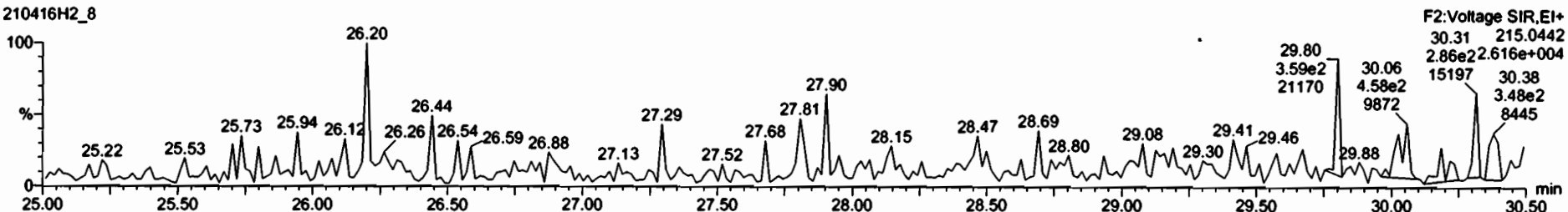
Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311

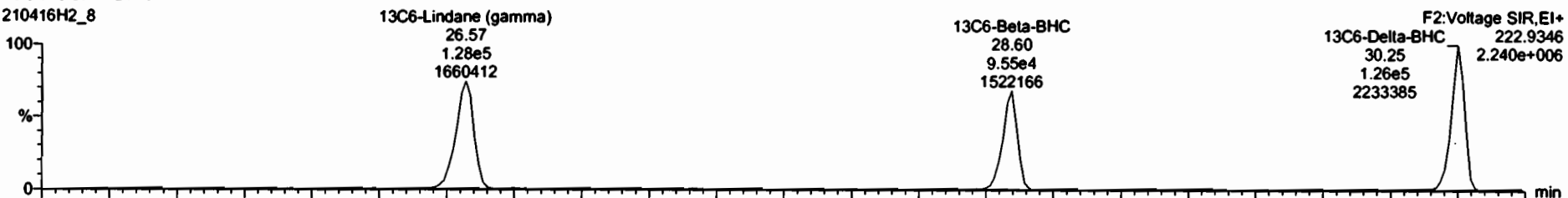
**4,4'-DDNU**  
210416H2\_8



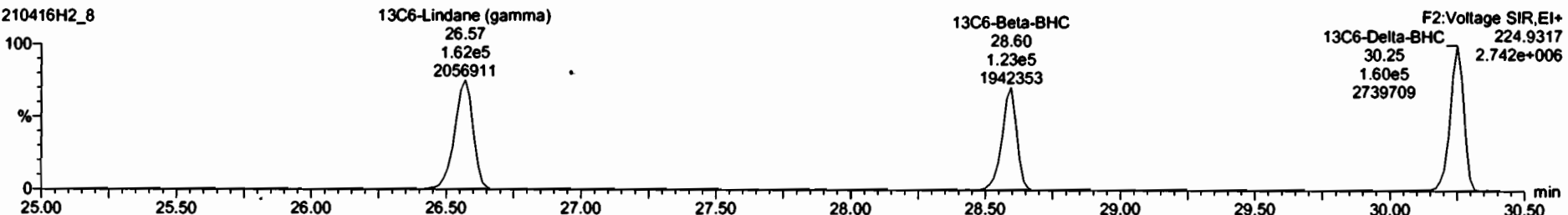
210416H2\_8



**13C6-Delta-BHC**  
210416H2\_8



210416H2\_8



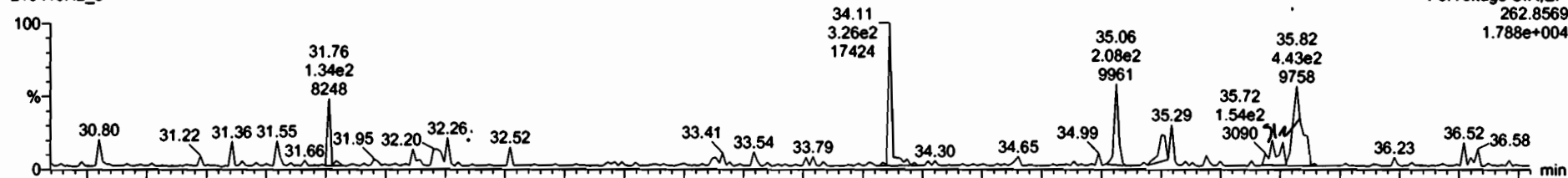
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

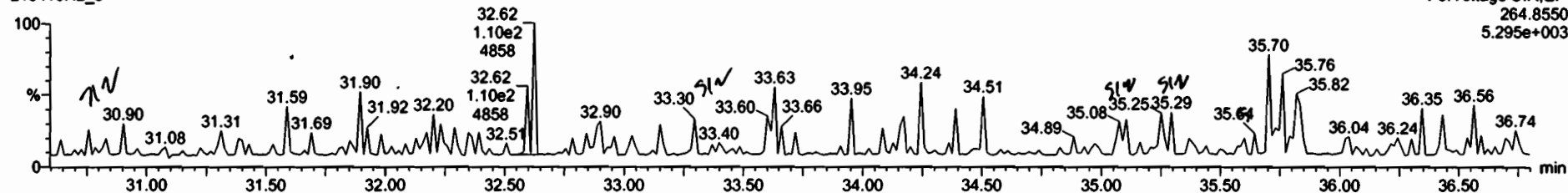
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**Aldrin-EI**

210416H2\_8

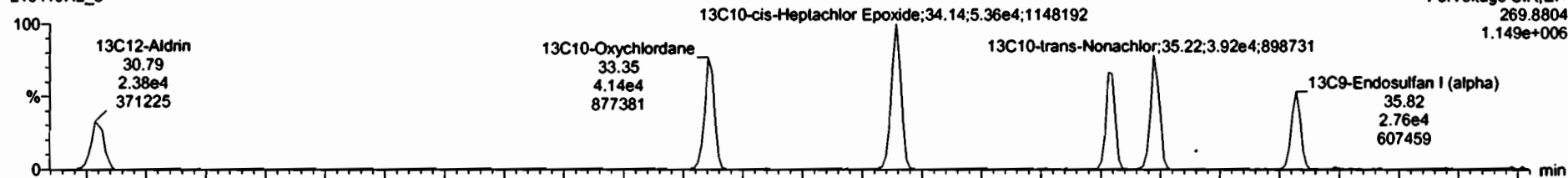


210416H2\_8

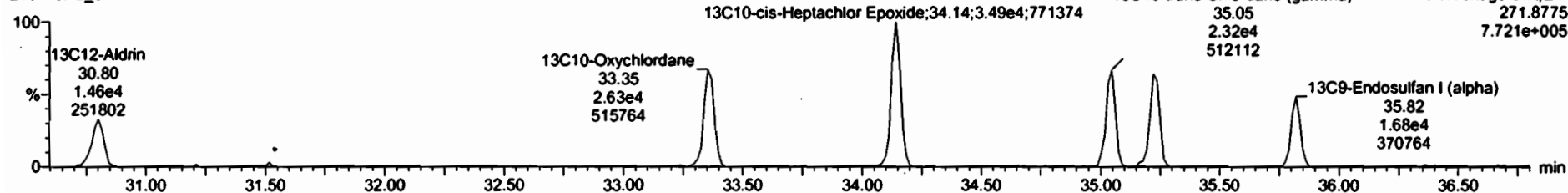


**Aldrin-EI-isotopes**

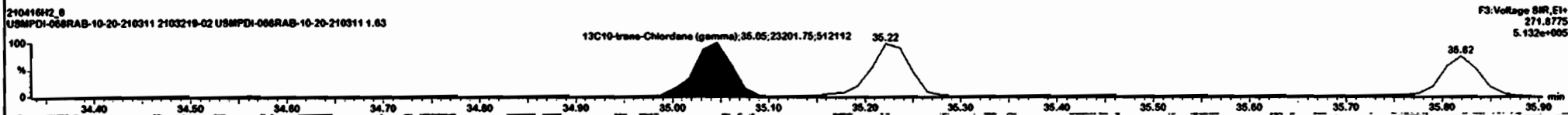
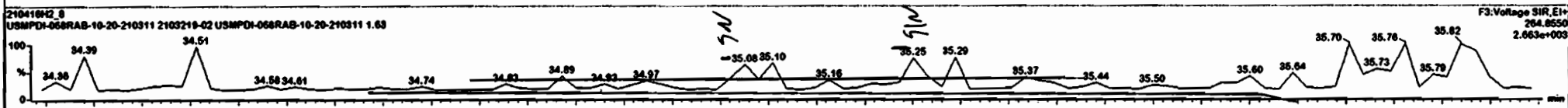
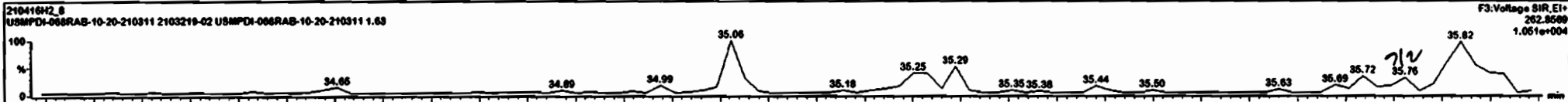
210416H2\_8



210416H2\_8



#	Name	Resp	S AREA	RA	dy	R/R	WVAL	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.77e4	1.83e8	0.28	YES	0.10	1.3548	9.99	10.02	1.000	1.002	NO	696.5		1.03	262
2	Hexachlorobenzene	8.68e3	1.11e8	1.34	NO	0.98	1.3548	22.69	22.69	1.001	1.000	NO	5.055		0.0393	5.88
3	Alpha-BHC		3.65e5		NO	0.83	1.3548		23.26		1.001	YES			1.25	
4	Lindane (gamma-BHC)		2.90e5		NO	0.86	1.3548		26.58		1.000	YES			1.60	
5	Beta-BHC		2.18e5		NO	1.00	1.3548		29.62		1.001	YES			1.57	
6	Delta-BHC		2.80e5		NO	0.91	1.3548		30.28		1.001	YES			1.19	
7	Heptachlor		1.70e5		NO	1.10	1.3548		28.74		1.001	YES			0.201	
8	4,4'-DDNU	4.77e2	2.80e5	1.98	YES	1.25	1.3548	30.12	30.19	0.998	0.998	NO	0.9839		1.00	0.063
9	Aldrin		3.84e4		NO	1.09	1.3548		30.82		1.001	YES			3.96	
10	Oryzthardene		6.77e4		NO	1.06	1.3548		33.39		1.001	YES			1.70	
11	cis-Heptachlor Epoxide		8.84e4		NO	1.08	1.3548		34.18		1.001	YES			1.27	
12	trans-Heptachlor Epoxide		8.84e4		NO	0.29	1.3548		34.69		1.018	YES			4.71	
13	trans-Chlordane (gamma)		5.73e4		NO	1.14	1.3548		35.67		1.001	YES			1.70	
14	trans-Nonachlor		6.30e4		NO	1.06	1.3548		35.22		1.000	YES			1.70	
15	cis-Chlordane		6.30e4		NO	1.16	1.3548		35.77		1.018	YES			1.54	
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.3548		35.85		1.001	YES			2.16	
17	4,4'-DDNU	4.34e3	1.64e8	1.94	YES		1.3548	35.48	35.47	0.994	0.994	NO	4.754		1.00	4.14
18	2,4'-DDE	5.99e3	1.64e8	0.57	YES	1.02	1.3548	35.70	35.69	1.000	1.000	NO	2.827		0.644	1.58
19	4,4'-DDE	7.55e4	1.11e8	1.53	NO	1.04	1.3548	36.78	36.75	1.001	1.000	NO	48.14		0.921	48.1
20	Dieldrin	6.28e2	1.31e5	2.53	YES	1.03	1.3548	37.28	37.32	1.000	1.001	NO	3.442		1.35	2.50





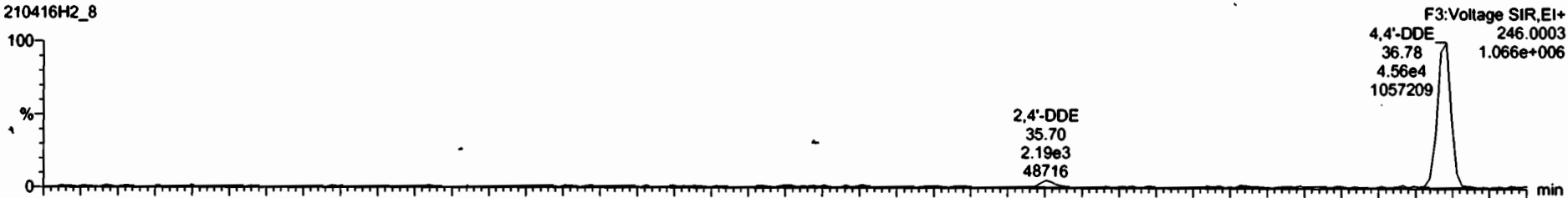
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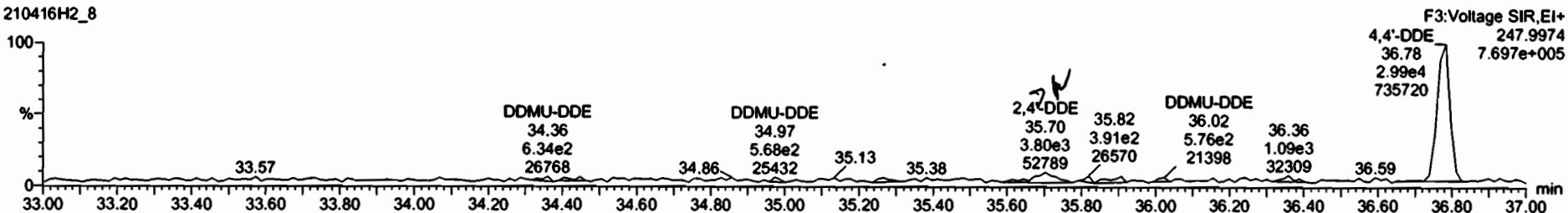
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**DDMU-DDE**

210416H2\_8



210416H2\_8

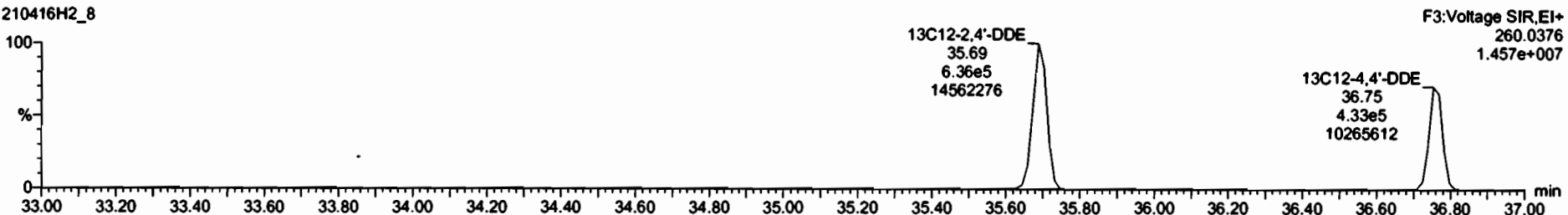


**DDE-isotopes**

210416H2\_8



210416H2\_8

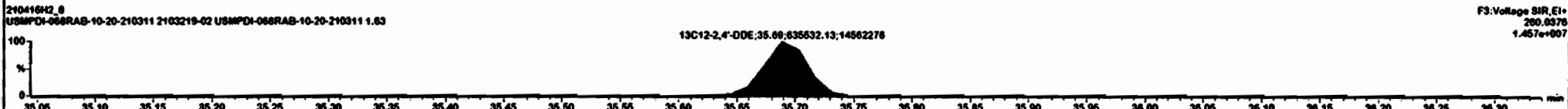
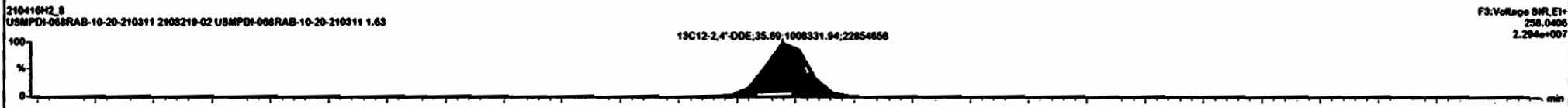
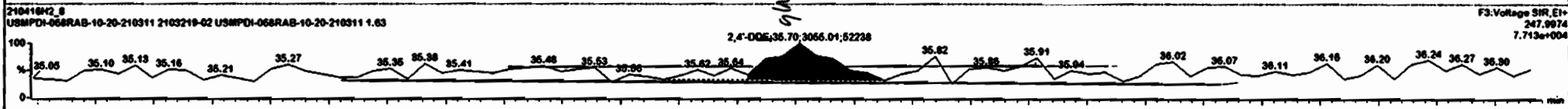
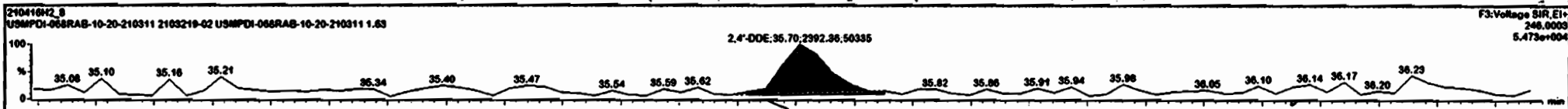


Targetlynx - 21041642\_8.qld - [Chromatogram]

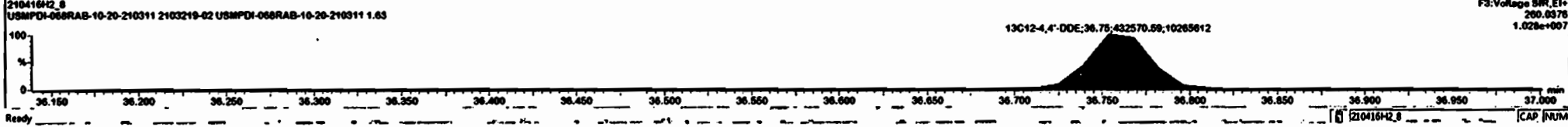
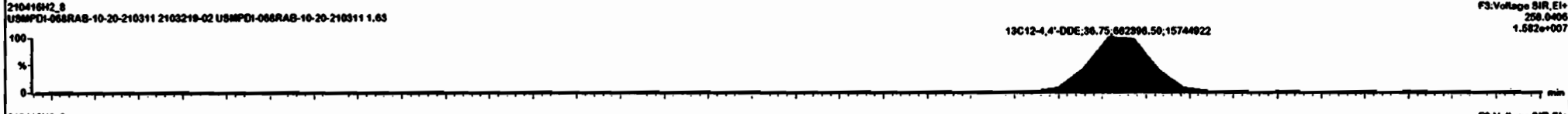
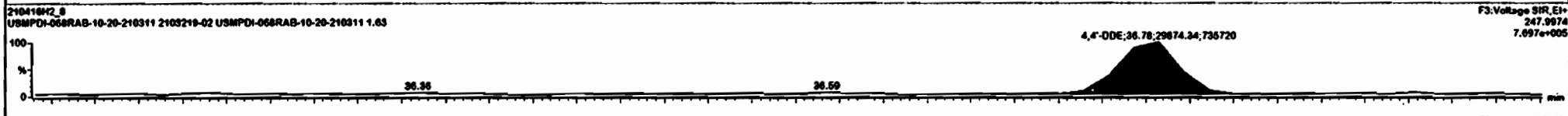
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21041642\_8 2103219-02 USMPDI-068RAB-10-20-210311 1.63 - USMPDI-068RAB-10-20-210311

#	Name	Resp	ISAREA	RA	Int	RNF	RetVol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.77e4	1.83e8	0.26	YES	0.10	1.3546	9.99	10.02	1.000	1.002	NO	696.5		1.03	262
2	Hexachlorobenzene	8.60e3	1.11e6	1.34	NO	0.06	1.3546	22.69	22.69	1.001	1.000	NO	5.855		0.0393	5.85
3	Alpha-BHC		3.65e5		NO	0.83	1.3546		23.26		1.001	YES				1.25
4	Lindane (gamma-BHC)		2.90e5		NO	0.06	1.3546		26.56		1.000	YES				1.60
5	Beta-BHC		2.18e5		NO	1.00	1.3546		26.62		1.001	YES				1.57
6	Delta-BHC		3.86e5		NO	0.91	1.3546		30.28		1.001	YES				1.10
7	Heptachlor		1.70e5		NO	1.10	1.3546		28.74		1.001	YES				0.201
8	4,4'-DDNU	7.75e2	2.86e5	0.69	YES	1.25	1.3546	30.12	30.19	0.998	0.998	NO	1.598		1.00	0.803
9	Aldrin		3.84e4		NO	1.09	1.3546		30.82		1.001	YES				3.96
10	Oxychloridane		6.77e4		NO	1.06	1.3546		33.39		1.001	YES				1.70
11	cis-Heptachlor Epoxide		8.84e4		NO	1.06	1.3546		34.18		1.001	YES				1.27
12	trans-Heptachlor Epoxide		9.84e4		NO	0.29	1.3546		34.68		1.016	YES				4.71
13	trans-Chlordane (gamma)		5.73e4		NO	1.14	1.3546		35.07		1.001	YES				1.78
14	trans-Nonachlor		6.30e4		NO	1.06	1.3546		35.22		1.000	YES				1.70
15	cis-Chlordane		6.38e4		NO	1.10	1.3546		35.77		1.016	YES				1.54
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.3546		35.85		1.001	YES				2.16
17	4,4'-DDNU	4.34e3	1.84e8	1.94	YES	1.3546	35.48	35.47	0.994	0.994	NO	4.754		1.00	4.14	
18	2,4'-DDE	5.45e3	1.84e8	0.78	YES	1.02	1.3546	35.78	35.69	1.000	1.000	NO	2.368		0.844	1.72
19	4,4'-DDE	7.55e4	1.11e6	1.53	NO	1.04	1.3546	36.78	36.75	1.001	1.000	NO	48.14		0.821	48.1
20	Dieldrin	6.29e2	1.31e5	2.53	YES	1.03	1.3546	37.28	37.32	1.000	1.001	NO	3.442		1.35	2.50



#	Name	Area	ISAREA	RA	Wt%	RRT	Wt%	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.77e4	1.83e4	0.26	YES	0.10	1.3546	9.99	10.02	1.000	1.002	NO	696.5		1.83	262
2	Hexachlorobenzene	8.86e3	1.11e4	1.34	NO	0.98	1.3546	22.69	22.69	1.001	1.000	NO	5.855		0.0393	5.85
3	Alpha-BHC		3.65e5		NO	0.83	1.3546		23.26		1.001	YES				1.25
4	Lindane (gamma-BHC)		2.90e5		NO	0.86	1.3546		26.56		1.000	YES				1.69
5	Beta-BHC		2.10e5		NO	1.00	1.3546		28.62		1.001	YES				1.57
6	Delta-BHC		2.86e5		NO	0.91	1.3546		30.28		1.001	YES				1.19
7	Heptachlor		1.70e5		NO	1.10	1.3546		28.74		1.001	YES				0.291
8	4,4'-DDMU	7.75e2	2.80e5	0.69	YES	1.25	1.3546	30.12	30.19	0.998	0.998	NO	1.590		1.80	0.883
9	Alrin		3.84e4		NO	1.09	1.3546		30.82		1.001	YES				3.96
10	Onychiodane		6.77e4		NO	1.06	1.3546		33.39		1.001	YES				1.70
11	cis-Heptachlor Epoxide		8.84e4		NO	1.06	1.3546		34.18		1.001	YES				1.27
12	trans-Heptachlor Epoxide		8.84e4		NO	0.29	1.3546		34.68		1.016	YES				4.71
13	trans-Chlordane (gamma)		5.73e4		NO	1.14	1.3546		35.07		1.001	YES				1.78
14	trans-Nonachlor		6.30e4		NO	1.06	1.3546		35.22		1.000	YES				1.70
15	cis-Chlordane		6.30e4		NO	1.16	1.3546		35.77		1.016	YES				1.54
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.3546		35.85		1.001	YES				2.16
17	4,4'-DDMU	4.34e3	1.64e4	1.84	YES		1.3546	35.48	35.47	0.994	0.994	NO	4.754		1.80	4.14
18	2,4'-DDE	5.45e3	1.84e4	0.78	YES	1.02	1.3546	35.78	35.69	1.000	1.000	NO	2.388		0.644	1.72
19	4,4'-DDE	7.53e4	1.11e4	1.52	NO	1.04	1.3546	36.78	36.75	1.001	1.000	NO	48.04		0.921	48.0
20	Dieldrin	6.28e2	1.31e5	2.53	YES	1.83	1.3546	37.28	37.32	1.000	1.001	NO	3.442		1.35	2.58



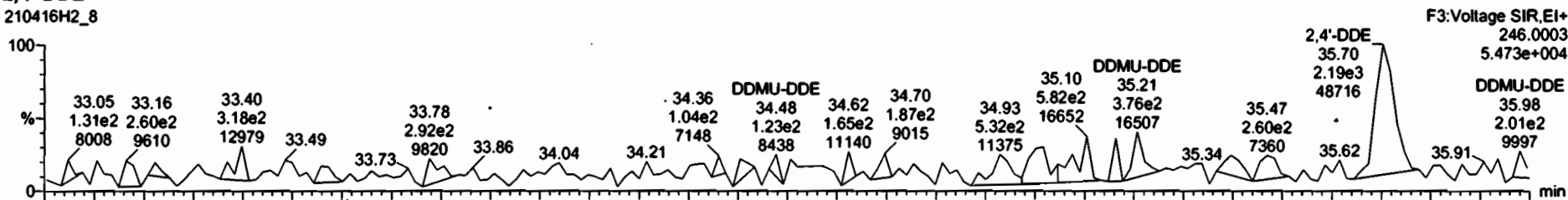
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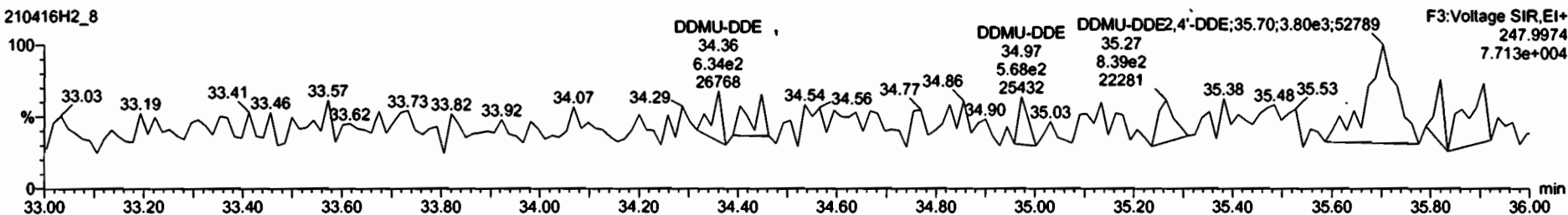
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2,4'-DDE

210416H2\_8



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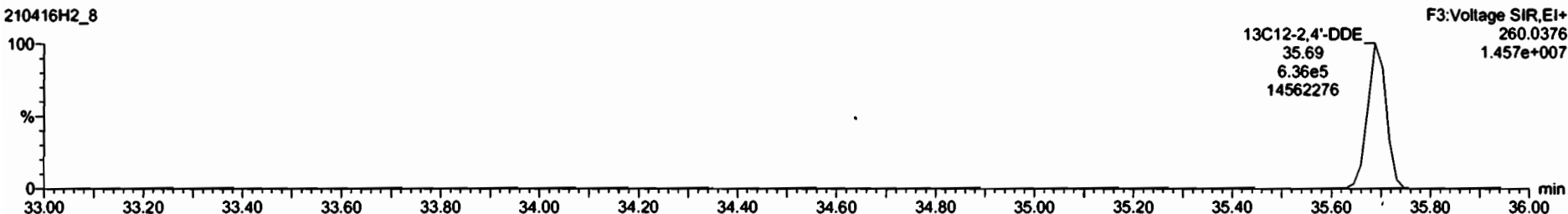


13C12-2,4'-DDE

210416H2\_8



210416H2\_8

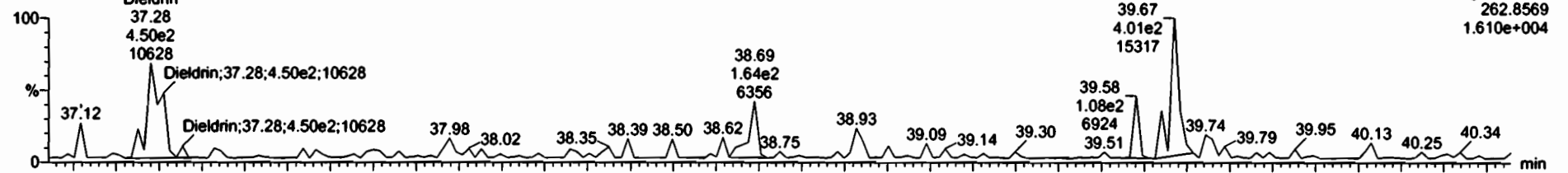


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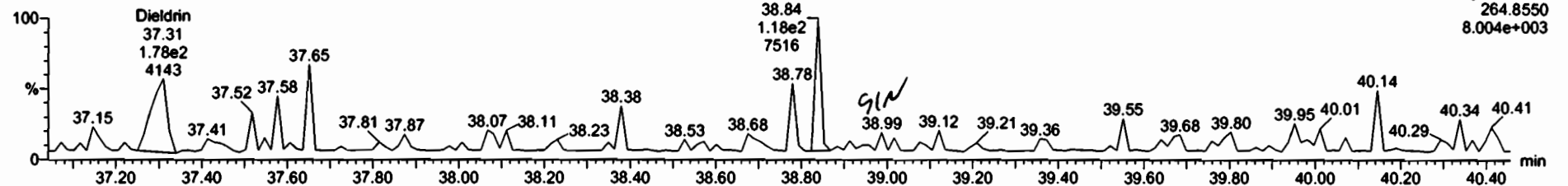
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**Dieldrin-EII**  
210416H2\_8

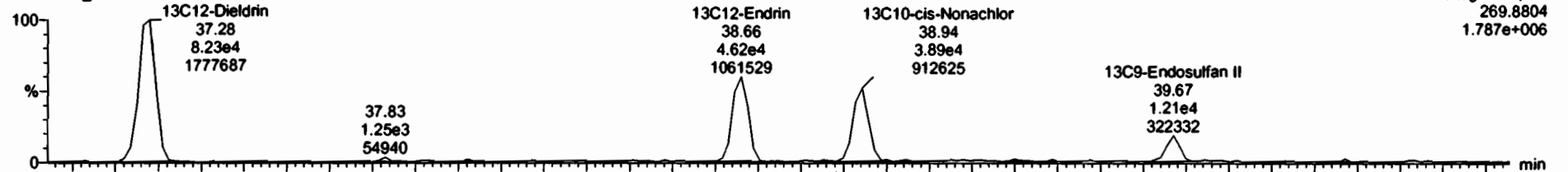


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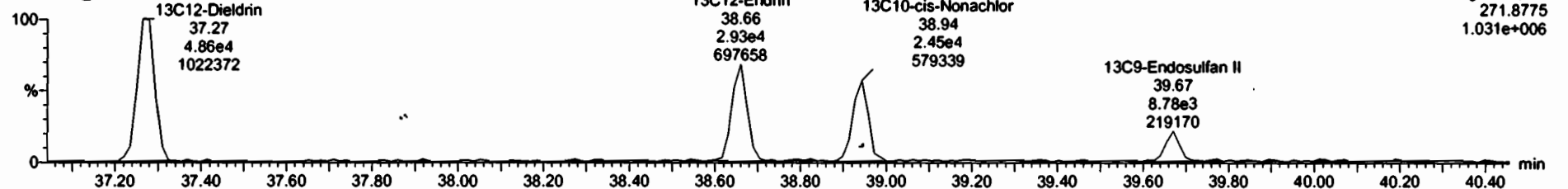


**Dieldrin-EII-isotopes**

210416H2\_8



210416H2\_8

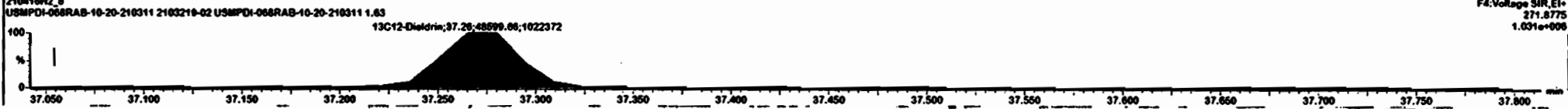
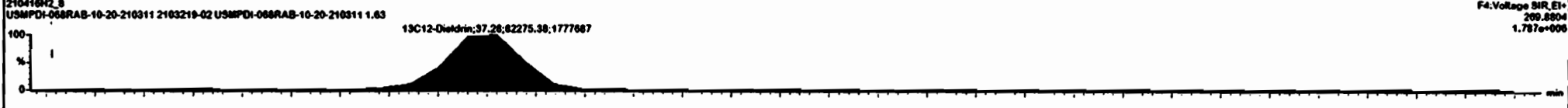
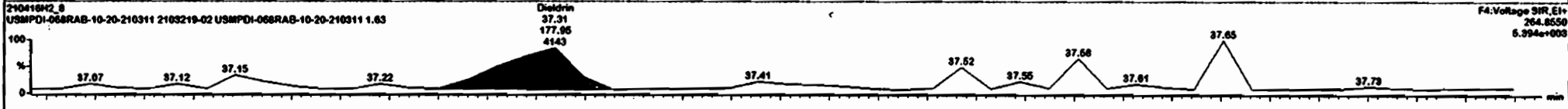
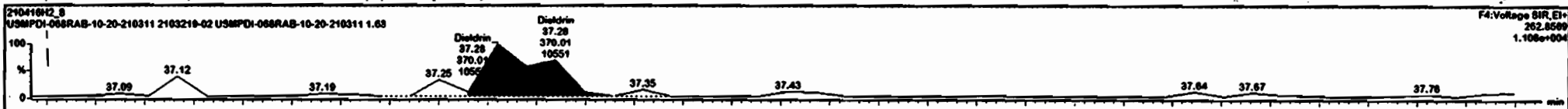


Targetlyn - 21041642\_8.gd - [Chromatogram]

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21041642\_8 - 2103219-02 USMPDI-068RAB-10-20-210311 1.63 - USMPDI-068RAB-10-20-210311

#	Name	Resp	AREA	RA	dy	RRF	Wtval	RT	Prod RT	RTT	Prod RTT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.77e4	1.83e6	0.26	YES	0.10	1.3546	9.99	10.02	1.000	1.002	NO	696.5		1.83	282
2	Hexachlorobenzene	6.68e3	1.11e6	1.34	NO	0.98	1.3546	22.69	22.69	1.001	1.000	NO	5.855		0.0303	5.85
3	Alpha-BHC		3.85e5		NO	0.83	1.3546		23.28		1.001	YES				1.25
4	Lindane (gamma-BHC)		2.90e5		NO	0.86	1.3546		26.58		1.000	YES				1.08
5	Beta-BHC		2.18e5		NO	1.00	1.3546		26.62		1.001	YES				1.57
6	Delta-BHC		2.88e5		NO	0.91	1.3546		30.28		1.001	YES				1.19
7	Heptachlor		1.70e5		NO	1.10	1.3546		28.74		1.001	YES				0.291
8	4,4'-DDNU	7.75e2	2.86e5	0.69	YES	1.25	1.3546	30.12	30.19	0.998	0.998	NO	1.588		1.00	0.883
9	Alorin		3.84e4		NO	1.09	1.3546		30.82		1.001	YES				3.95
10	Oxychloridene		6.77e4		NO	1.06	1.3546		33.39		1.001	YES				1.70
11	cis-Heptachlor Epoxide		8.84e4		NO	1.08	1.3546		34.18		1.001	YES				1.27
12	trans-Heptachlor Epoxide		8.84e4		NO	0.29	1.3546		34.68		1.018	YES				4.71
13	trans-Chlordane (gamma)		5.73e4		NO	1.14	1.3546		35.07		1.001	YES				1.78
14	trans-Nonachlor		6.30e4		NO	1.06	1.3546		35.22		1.000	YES				1.70
15	cis-Chlordane		6.30e4		NO	1.18	1.3546		35.77		1.018	YES				1.54
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.3546		35.85		1.001	YES				2.16
17	4,4'-DDNU	4.34e3	1.64e6	1.84	YES		1.3546	35.48	35.47	0.994	0.994	NO	4.754		1.00	4.14
18	2,4'-DDE	5.45e3	1.64e6	0.78	YES	1.02	1.3546	35.78	35.69	1.000	1.000	NO	2.358		0.644	1.72
19	4,4'-DDE	7.53e4	1.11e6	1.52	NO	1.84	1.3546	36.78	36.75	1.001	1.000	NO	48.04		0.921	48.0
20	Dieldrin	5.48e2	1.31e6	2.88	YES	1.83	1.3546	37.28	37.32	1.000	1.001	NO	3.002		1.35	2.50



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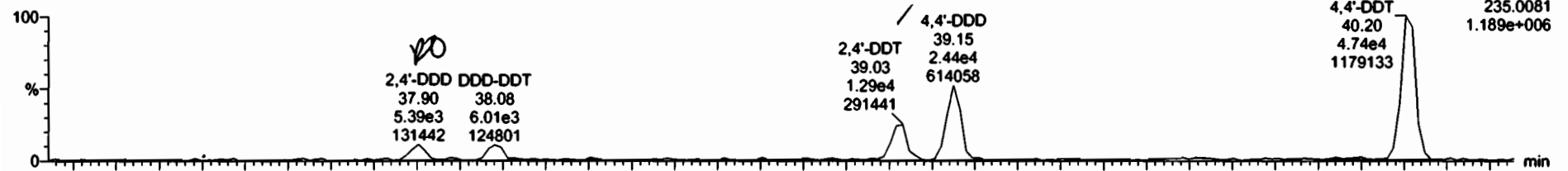
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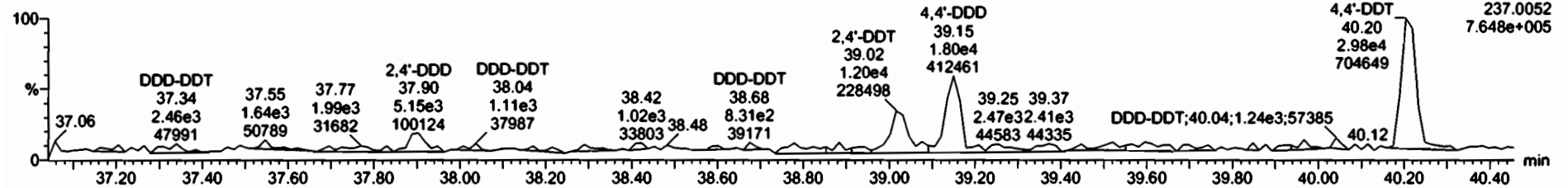
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DDD-DDT

210416H2\_8

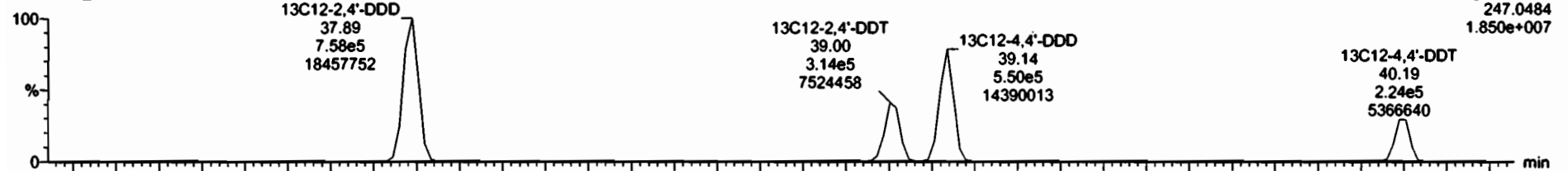


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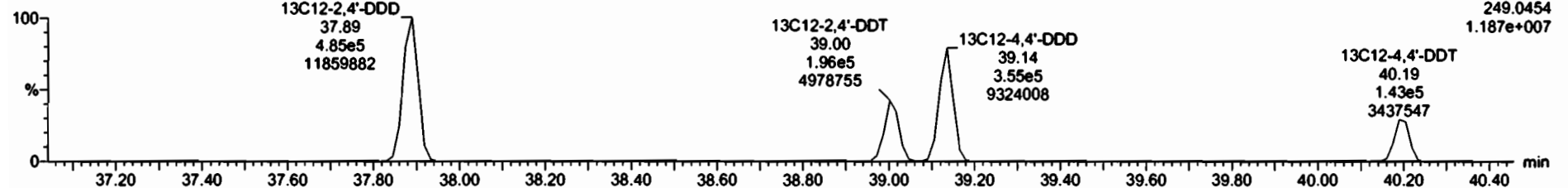


DDD-DDT-isotopes

210416H2\_8



210416H2\_8

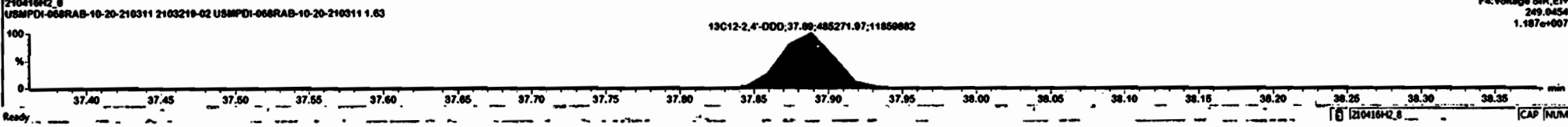
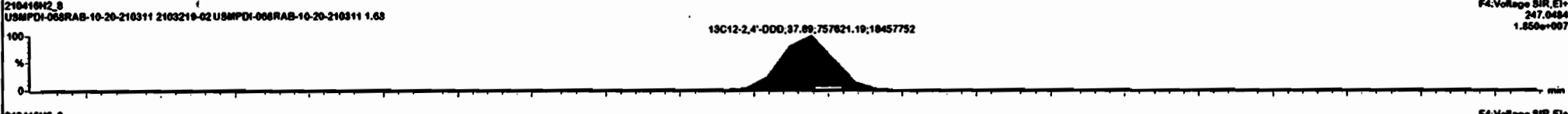
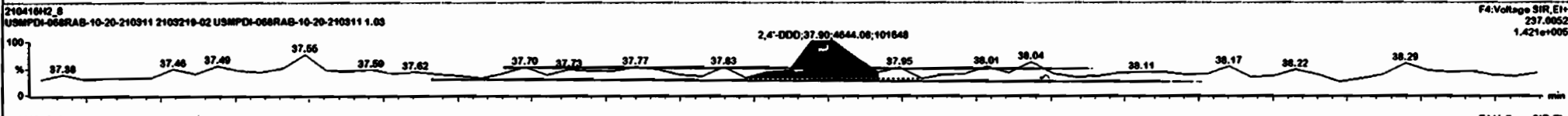
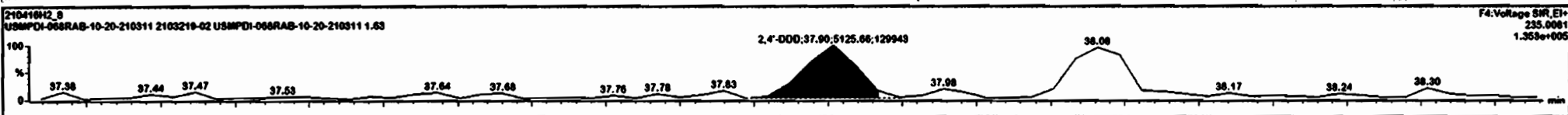


TargetLynx - 210416H2\_8.qtd - [Chromatogram]

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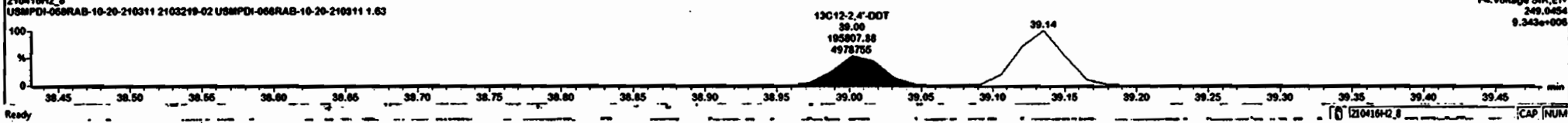
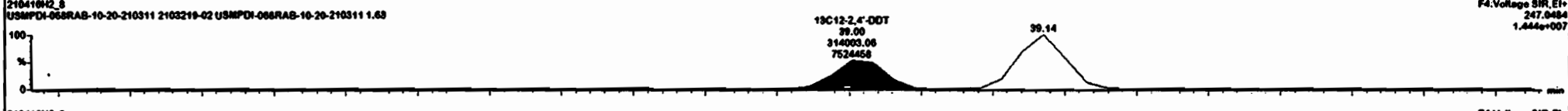
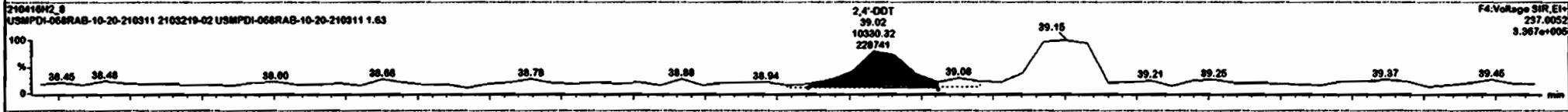
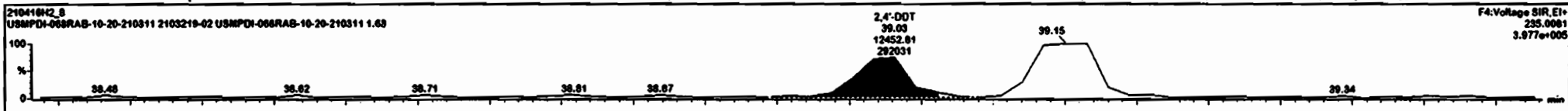
210416H2\_8 - 2103219-02 USMPDI-068RAB-10-20-210311 1.63 USMPDI-068RAB-10-20-210311

#	Name	Resp	S.AREA	RA	Y/N	RRF	StVal	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
8	4,4'-DDMU	7.75e2	2.86e5	0.89	YES	1.25	1.3546	30.12	30.19	0.998	0.998	NO	1.598		1.80	0.863
9	Aldrin		3.84e4		NO	1.89	1.3546		30.82		1.001	YES			3.98	
10	Oxychlorodane		8.77e4		NO	1.86	1.3546		33.39		1.001	YES			1.70	
11	cb-Heptachlor Epoxide		8.84e4		NO	1.88	1.3546		34.18		1.001	YES			1.27	
12	trans-Heptachlor Epoxide		8.84e4		NO	0.29	1.3546		34.68		1.016	YES			4.71	
13	trans-Chlordane (gamma)		5.73e4		NO	1.14	1.3546		35.07		1.001	YES			1.78	
14	trans-Nonachlor		6.30e4		NO	1.08	1.3546		35.22		1.000	YES			1.70	
15	cb-Chlordane		6.30e4		NO	1.18	1.3546		35.77		1.016	YES			1.54	
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.3546		35.85		1.001	YES			2.18	
17	4,4'-DDMU	4.34e3	1.64e6	1.94	YES		1.3546	35.48	35.47	0.994	0.994	NO	4.754		1.80	4.14
18	2,4'-DDE	5.45e3	1.64e6	0.78	YES	1.82	1.3546	35.70	35.69	1.000	1.000	NO	2.388		0.644	1.72
19	4,4'-DDE	7.53e4	1.11e6	1.52	NO	1.04	1.3546	36.78	36.75	1.001	1.000	NO	48.84		0.921	48.0
20	Dieldrin	5.48e2	1.31e5	2.08	YES	1.83	1.3546	37.26	37.32	1.000	1.001	NO	3.002		1.35	2.50
21	Endrin		7.55e4		NO	1.81	1.3546		38.70		1.001	YES			2.24	
22	cb-Nonachlor		6.34e4		NO	1.00	1.3546		38.84		1.000	YES			2.64	
23	Endosulfan II (beta)		2.09e4		NO	1.87	1.3546		39.87		1.000	YES			6.58	
24	2,4'-DDD	8.77e3	1.24e6	1.18	YES	1.87	1.3546	37.80	37.88	1.000	1.000	NO	5.442		1.41	4.89
25	2,4'-DDT	2.50e4	5.10e5	1.88	YES	1.85	1.3546	39.03	39.00	1.001	1.000	NO	34.52		3.55	29.4
26	4,4'-DDD	4.24e4	9.95e5	1.35	NO	1.16	1.3546	39.15	39.14	1.000	1.000	NO	29.79		1.65	29.8
27	4,4'-DDT	7.72e4	3.88e5	1.59	NO	1.13	1.3546	40.20	40.23	1.000	1.001	NO	138.8		4.58	137

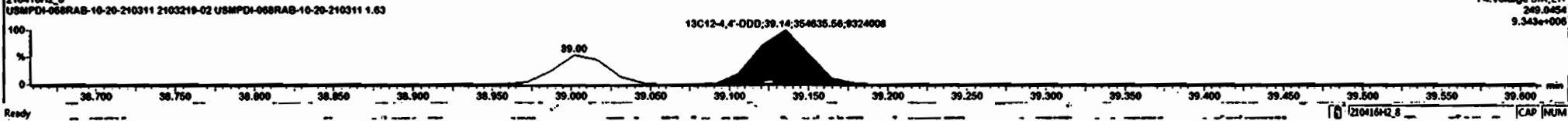
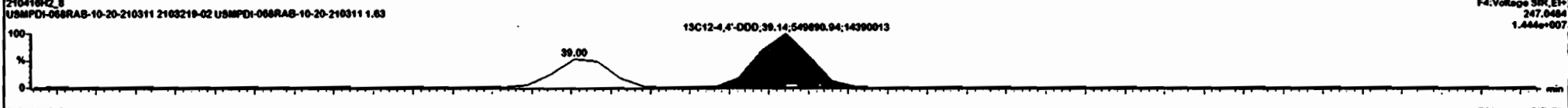
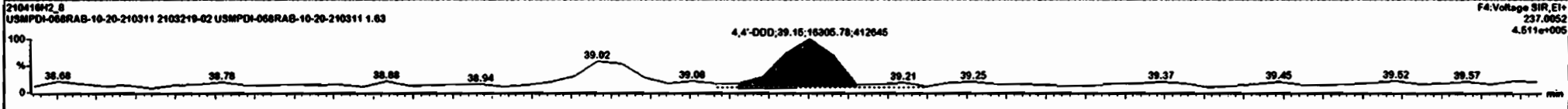
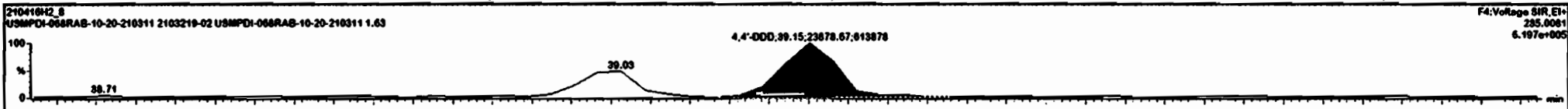




Peak	Name	Resp	S.AREA	RA	dy	RDY	Wt%	RT	Pred RT	RT	Pred RRT	Check RRT	Conc	NRuc	DL	EMPC
8	4,4'-DDMU	7.75e2	2.86e5	0.09	YES	1.25	1.35e6	30.12	30.19	0.996	0.996	NO	1.590		1.60	0.863
9	Albin		3.84e4		NO	1.09	1.35e6	30.82			1.001	YES			3.06	
10	Oxychloridene		0.77e4		NO	1.06	1.35e6	33.39			1.001	YES			1.70	
11	cis-Heptachlor Epoxide		0.84e4		NO	1.06	1.35e6	34.16			1.001	YES			1.27	
12	trans-Heptachlor Epoxide		0.84e4		NO	0.29	1.35e6	34.68			1.016	YES			4.71	
13	trans-Chlordane (gamma)		5.73e4		NO	1.14	1.35e6	35.07			1.001	YES			1.78	
14	trans-Nonachlor		0.30e4		NO	1.06	1.35e6	35.22			1.000	YES			1.70	
15	cis-Chlordane		0.30e4		NO	1.16	1.35e6	35.77			1.016	YES			1.54	
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.35e6	35.85			1.001	YES			2.16	
17	4,4'-DDMU	4.34e3	1.64e6	1.94	YES		1.35e6	35.48	35.47	0.994	0.994	NO	4.754		1.00	4.14
18	2,4'-DDE	5.45e3	1.64e6	0.78	YES	1.02	1.35e6	35.70	35.69	1.000	1.000	NO	2.388		0.644	1.72
19	4,4'-DDE	7.53e4	1.11e6	1.52	NO	1.04	1.35e6	36.78	36.75	1.001	1.000	NO	48.04		0.921	48.0
20	Delrin	5.40e2	1.31e5	2.08	YES	1.03	1.35e6	37.28	37.32	1.000	1.001	NO	3.002		1.35	2.50
21	Endrin		7.55e4		NO	1.01	1.35e6	38.70			1.001	YES			2.24	
22	cis-Nonachlor		0.34e4		NO	1.00	1.35e6	38.94			1.000	YES			2.64	
23	Endosulfan II (beta)		2.09e4		NO	1.07	1.35e6	39.87			1.000	YES			0.58	
24	2,4'-DDD	0.77e3	1.24e6	1.10	YES	1.07	1.35e6	37.90	37.89	1.000	1.000	NO	5.442		1.41	4.00
25	2,4'-DDT	2.28e4	5.10e5	1.21	NO	1.05	1.35e6	39.03	39.00	1.001	1.000	NO	31.52		3.55	31.5
26	4,4'-DDD	4.24e4	9.05e5	1.35	NO	1.16	1.35e6	39.15	39.14	1.000	1.000	NO	29.79		1.65	29.8
27	4,4'-DDT	7.72e4	3.68e5	1.59	NO	1.13	1.35e6	40.20	40.23	1.000	1.001	NO	136.8		4.56	137



#	NAME	RESP	AREA	RA	ISY	REF	WVAL	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
8	4,4'-ODMU	7.73e2	2.86e5	0.09	YES	1.25	1.3546	30.12	30.19	0.990	0.990	NO	1.500		1.00	0.863
9	AlBrh		3.84e4		NO	1.09	1.3546		30.82		1.001	YES			3.96	
10	Oxychloridane		6.77e4		NO	1.06	1.3546		33.29		1.001	YES			1.70	
11	cis-Heptachlor Epoxide		8.84e4		NO	1.08	1.3546		34.18		1.001	YES			1.27	
12	trans-Heptachlor Epoxide		8.84e4		NO	0.20	1.3546		34.68		1.018	YES			4.71	
13	trans-Chlordane (parme)		5.73e4		NO	1.14	1.3546		35.07		1.001	YES			1.78	
14	trans-Nonachlor		6.30e4		NO	1.08	1.3546		35.22		1.000	YES			1.70	
15	cis-Chlordane		6.30e4		NO	1.18	1.3546		35.77		1.018	YES			1.54	
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.3546		35.85		1.001	YES			2.18	
17	4,4'-ODMU	4.34e3	1.64e5	1.94	YES		1.3546	35.48	35.47	0.994	0.994	NO	4.754		1.00	4.14
18	2,4'-DDE	5.45e3	1.64e5	0.78	YES	1.02	1.3546	35.70	35.69	1.000	1.000	NO	2.388		0.844	1.72
19	4,4'-DDE	7.53e4	1.11e5	1.52	NO	1.04	1.3546	36.78	36.75	1.001	1.000	NO	48.04		0.921	48.0
20	Dieldrin	5.40e2	1.31e5	2.08	YES	1.03	1.3546	37.28	37.32	1.000	1.001	NO	3.002		1.35	2.50
21	Endrin		7.55e4		NO	1.01	1.3546		38.70		1.001	YES			2.24	
22	cis-Nonachlor		6.34e4		NO	1.00	1.3546		38.94		1.000	YES			2.84	
23	Endosulfan II (beta)		2.08e4		NO	1.07	1.3546		39.67		1.000	YES			6.50	
24	2,4'-DDD	9.77e3	1.24e5	1.10	YES	1.07	1.3546	37.80	37.89	1.000	1.000	NO	5.442		1.41	4.89
25	2,4'-DDT	2.28e4	5.10e5	1.21	NO	1.05	1.3546	39.83	39.80	1.001	1.000	NO	31.52		3.55	31.5
26	4,4'-DDD	4.82e4	9.05e5	1.48	NO	1.16	1.3546	39.15	39.14	1.000	1.000	NO	28.20		1.65	28.2
27	4,4'-DDT	7.72e4	3.68e5	1.59	NO	1.13	1.3546	40.20	40.23	1.000	1.001	NO	136.8		4.56	137

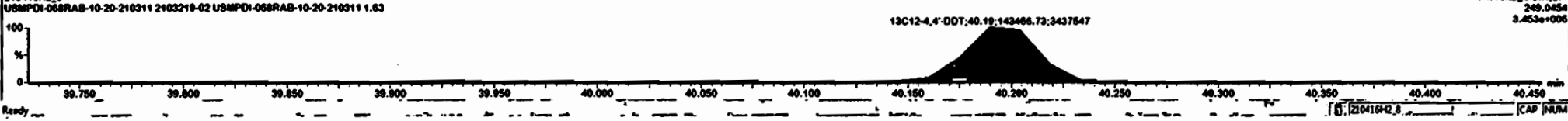
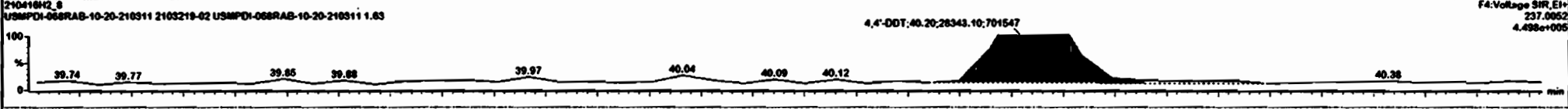
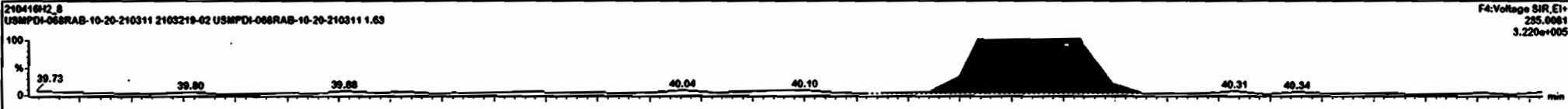


TargetLynx - 210416H2\_8.qld - Chromatogram

File Edit View Display Processing Window Help

210416H2\_8 - 2103219-02 USMPDI-068RAB-10-20-210311 1.63 - USMPDI-068RAB-10-20-210311

#	Name	Resp	S.AREA	RA	dy	RRF	Wt%	RT	Pred RT	RTT	Pred RTT	Check RTT	Conc.	%Rec	DL	EMPC
8	4,4'-DDMU	7.75e2	2.86e5	0.89	YES	1.25	1.35e6	30.12	30.19	0.998	0.998	NO	1.598		1.60	0.863
9	Aldrin		3.84e4		NO	1.09	1.35e6	30.82		1.001		YES			3.96	
10	Drychlorodene		8.77e4		NO	1.06	1.35e6	33.39		1.001		YES			1.70	
11	cb-Heptachlor Epoxide		8.84e4		NO	1.06	1.35e6	34.18		1.001		YES			1.27	
12	trans-Heptachlor Epoxide		8.84e4		NO	0.29	1.35e6	34.68		1.016		YES			4.71	
13	trans-Chlordane (gamma)		5.73e4		NO	1.14	1.35e6	35.07		1.001		YES			1.70	
14	trans-Nonachlor		6.30e4		NO	1.08	1.35e6	35.22		1.000		YES			1.70	
15	cb-Chlordane		8.30e4		NO	1.18	1.35e6	35.77		1.016		YES			1.54	
16	Endosulfan I (alpha)		4.44e4		NO	1.23	1.35e6	35.85		1.001		YES			2.16	
17	4,4'-DDMU	4.34e3	1.64e6	1.94	YES		1.35e6	35.48	35.47	0.994	0.994	NO	4.754		1.00	4.14
18	2,4'-DDE	5.45e3	1.64e6	0.78	YES	1.82	1.35e6	35.70	35.69	1.000	1.000	NO	2.388		0.644	1.72
19	4,4'-DDE	7.53e4	1.11e6	1.52	NO	1.04	1.35e6	36.78	36.75	1.001	1.000	NO	48.04		0.921	48.0
20	Dieldrin	5.48e2	1.31e5	2.08	YES	1.03	1.35e6	37.26	37.32	1.000	1.001	NO	3.002		1.35	2.50
21	Endrin		7.55e4		NO	1.01	1.35e6	38.70		1.001		YES			2.24	
22	cb-Nonachlor		8.34e4		NO	1.00	1.35e6	38.94		1.000		YES			2.64	
23	Endosulfan II (beta)		2.09e4		NO	1.07	1.35e6	39.67		1.000		YES			6.58	
24	2,4'-DDD	9.77e3	1.24e6	1.18	YES	1.07	1.35e6	37.90	37.89	1.000	1.000	NO	5.442		1.41	4.89
25	2,4'-DDT	2.28e4	5.10e5	1.21	NO	1.05	1.35e6	39.03	39.00	1.001	1.000	NO	31.52		3.55	31.5
26	4,4'-DDD	4.92e4	9.95e5	1.46	NO	1.16	1.35e6	39.15	39.14	1.000	1.000	NO	28.20		1.85	28.2
27	4,4'-DDT	7.55e4	3.88e5	1.88	NO	1.13	1.3e6	40.28	40.23	1.000	1.001	NO	133.8		4.56	134



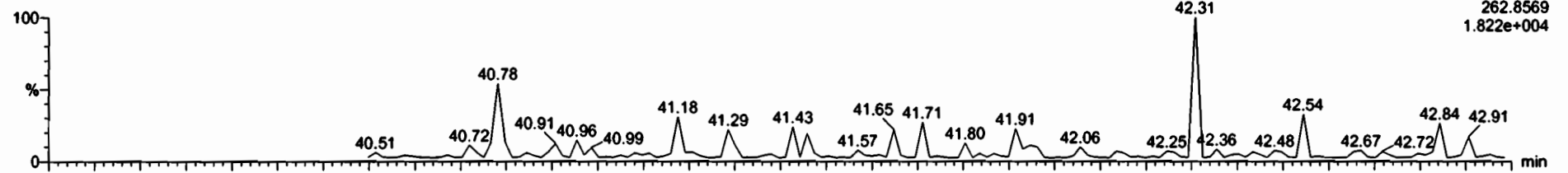
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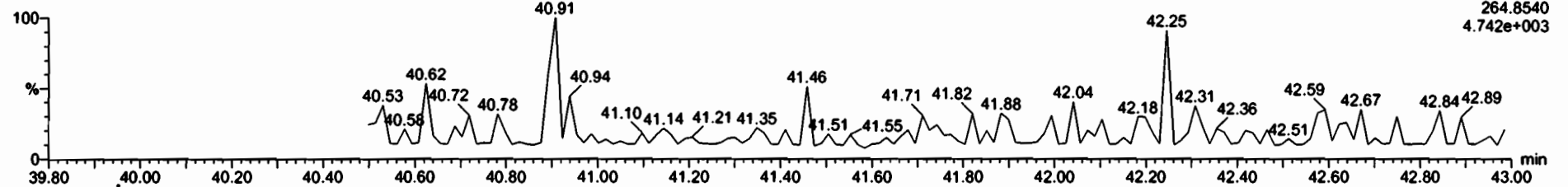
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Endosulfan Sulfate

210416H2\_8

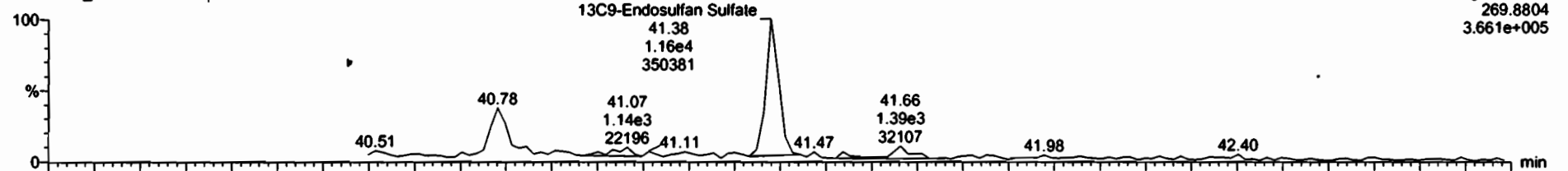


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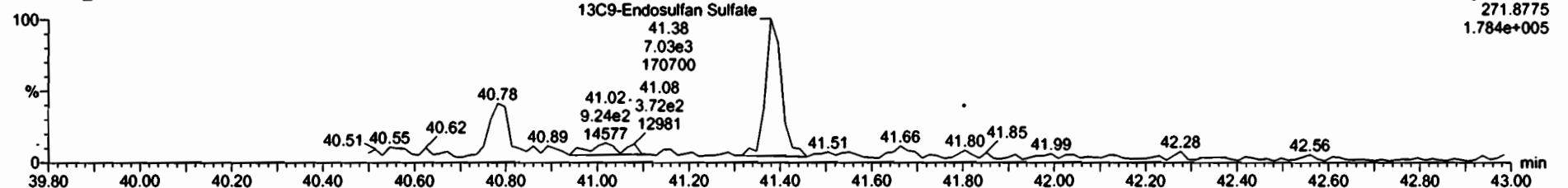


13C9-Endosulfan Sulfate

210416H2\_8



210416H2\_8



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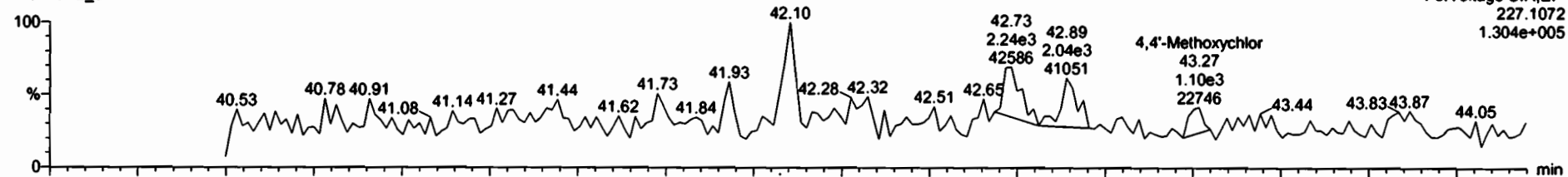
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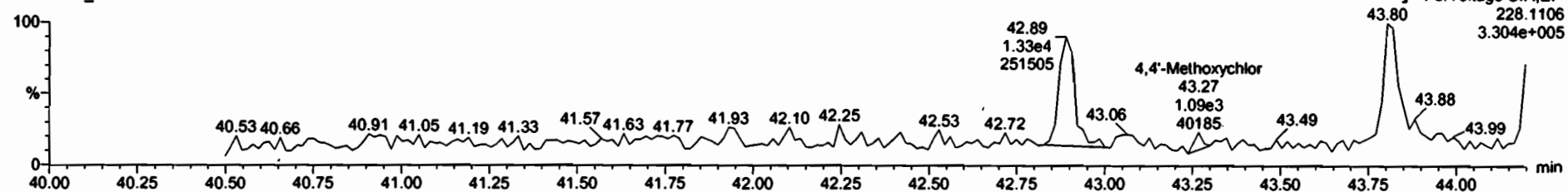
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4,4'-Methoxychlor

210416H2\_8

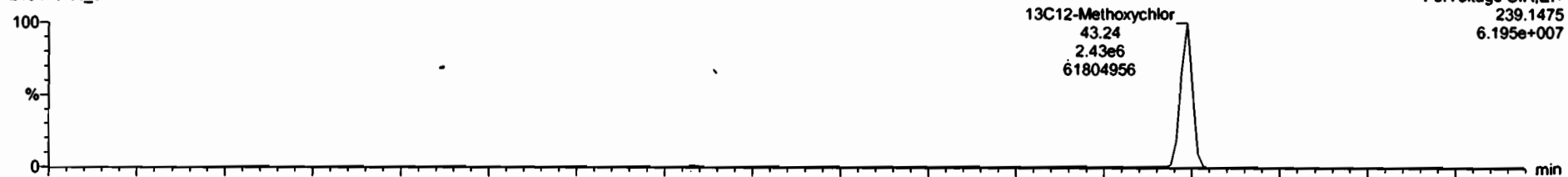


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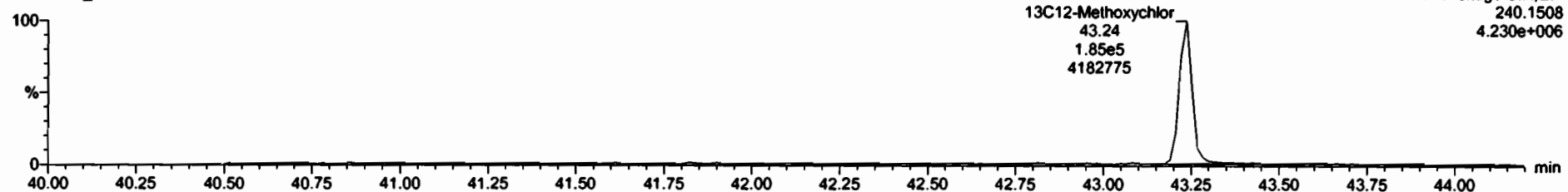


13C12-Methoxychlor

210416H2\_8



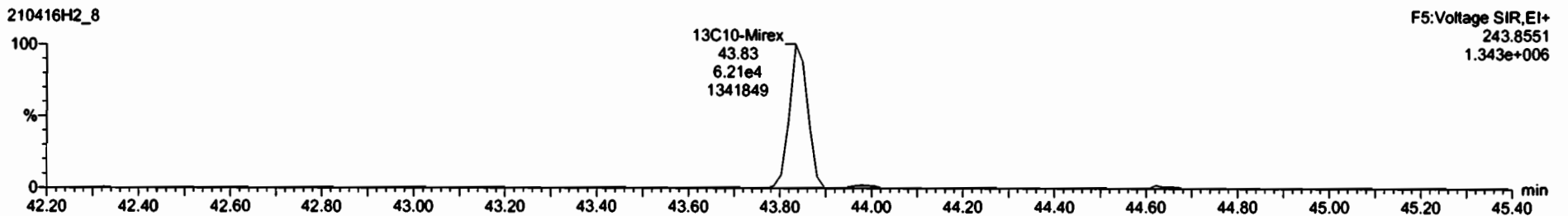
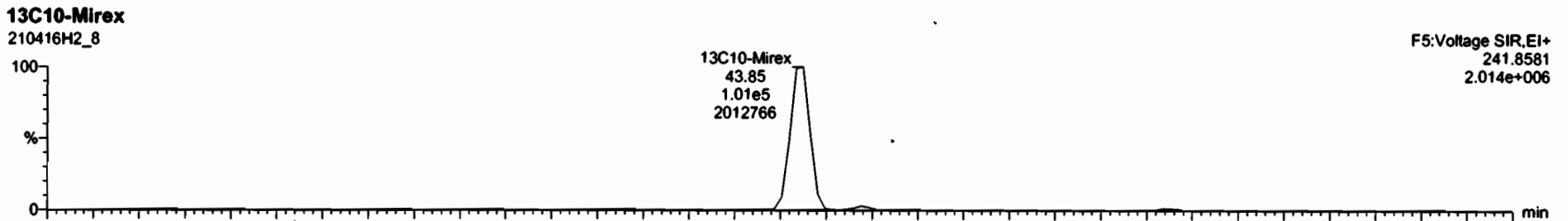
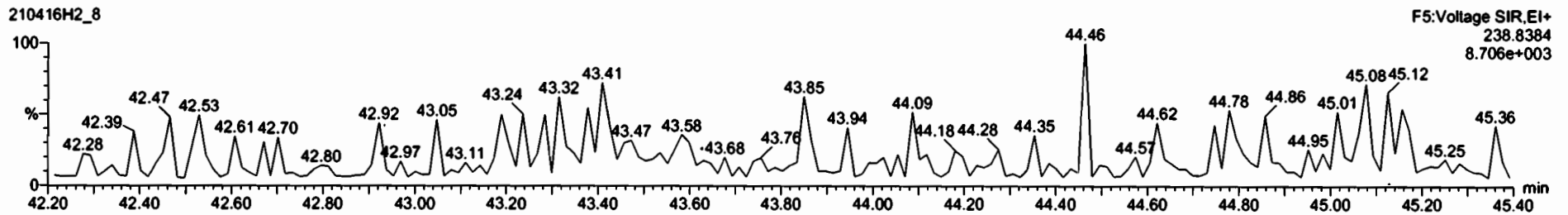
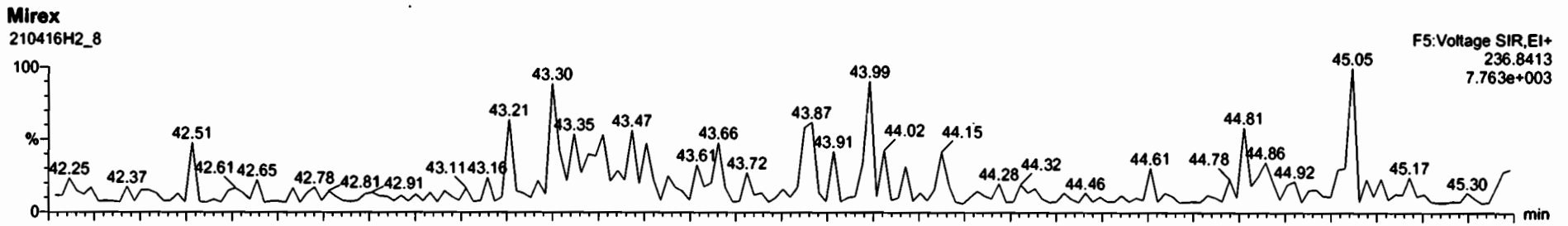
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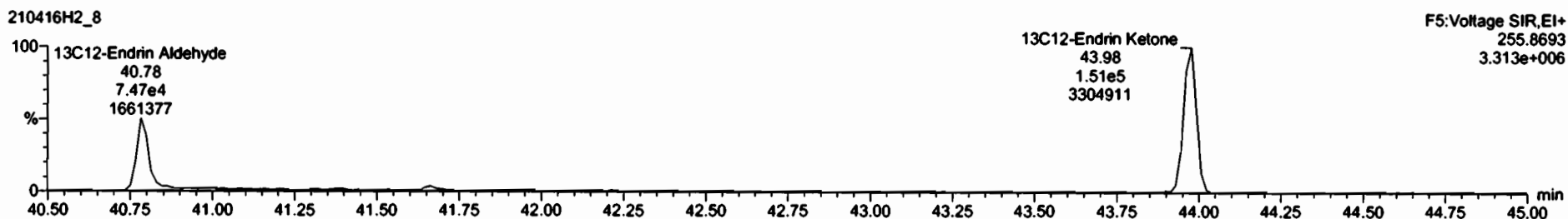
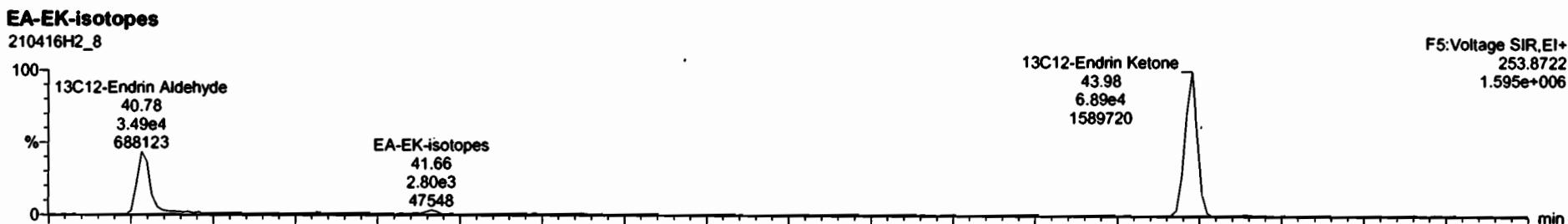
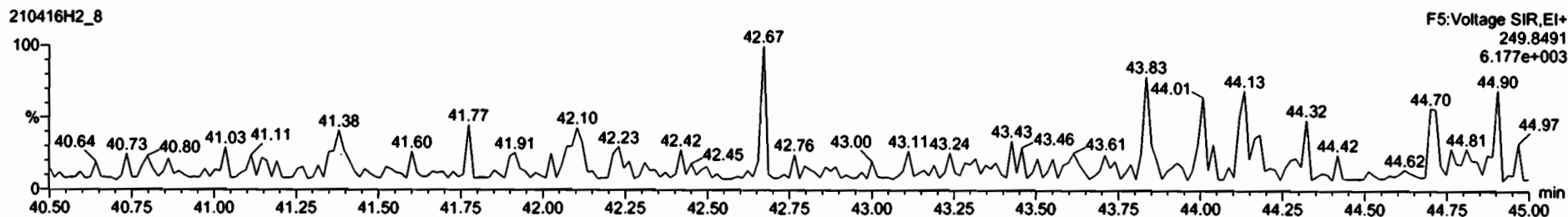
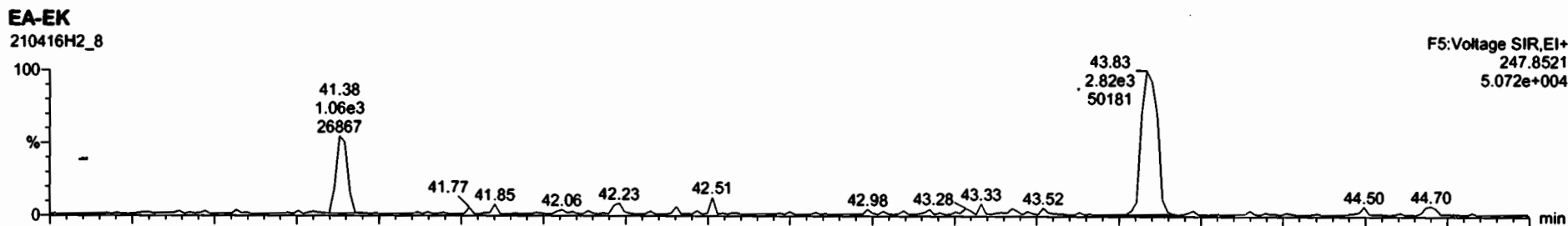
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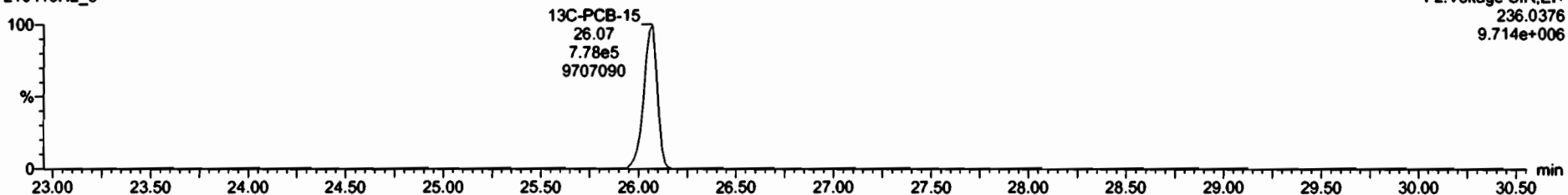
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13C-PCB-15

210416H2\_8



210416H2\_8

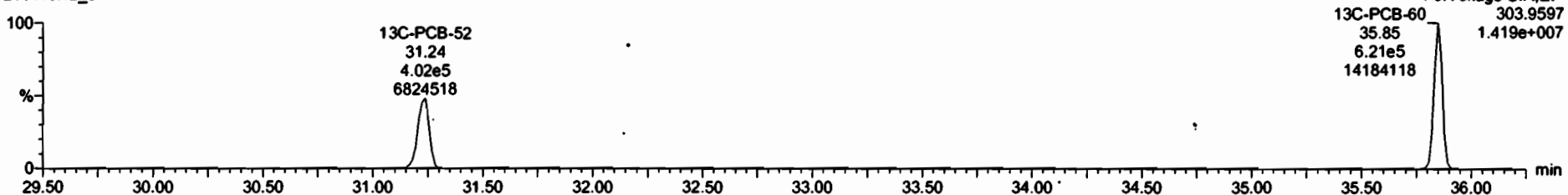


13C-PCB-60

210416H2\_8



210416H2\_8





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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

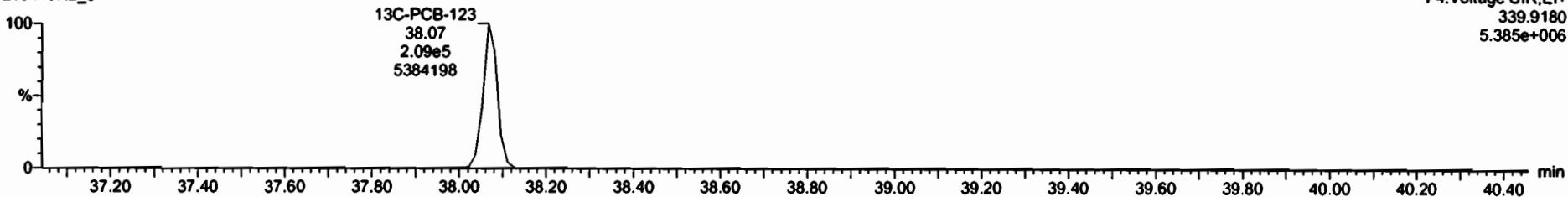
Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311

**13C-PCB-123**

210416H2\_8



210416H2\_8

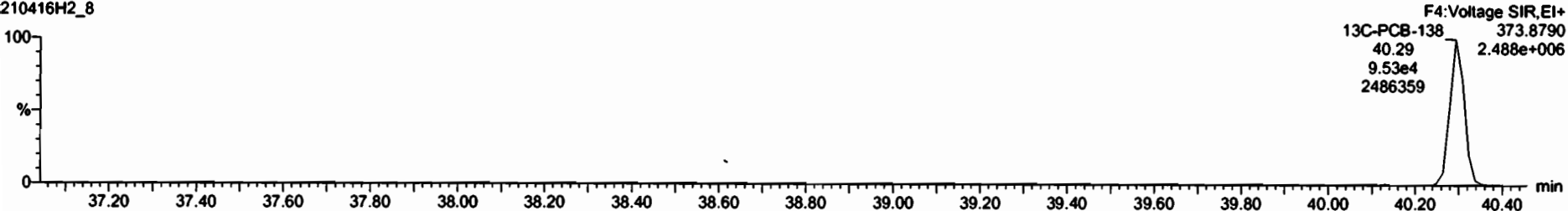


**13C-PCB-138**

210416H2\_8



210416H2\_8



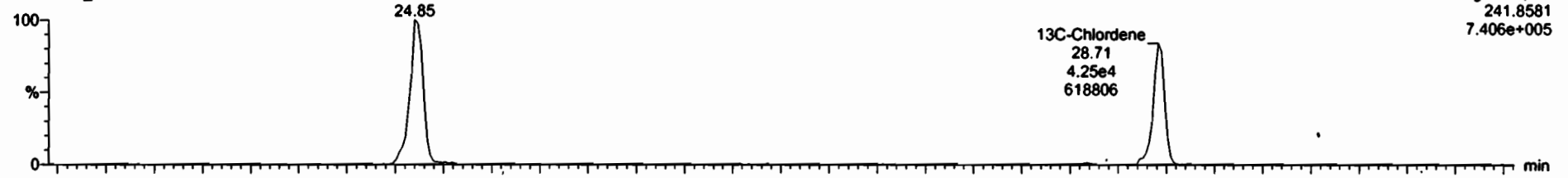
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311

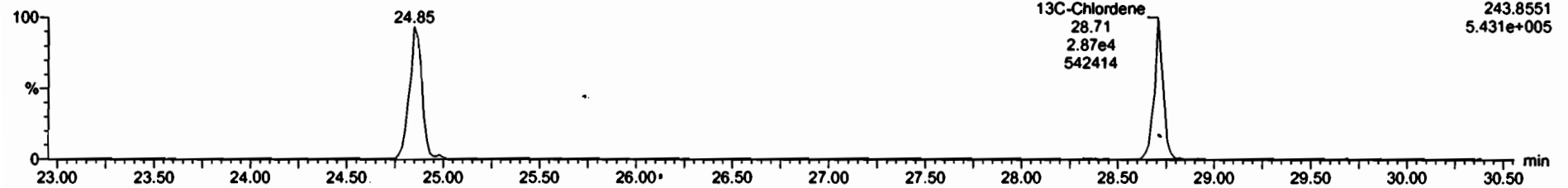
13C-Chlordene

210416H2\_8



F2: Voltage SIR, EI+  
241.8581  
7.406e+005

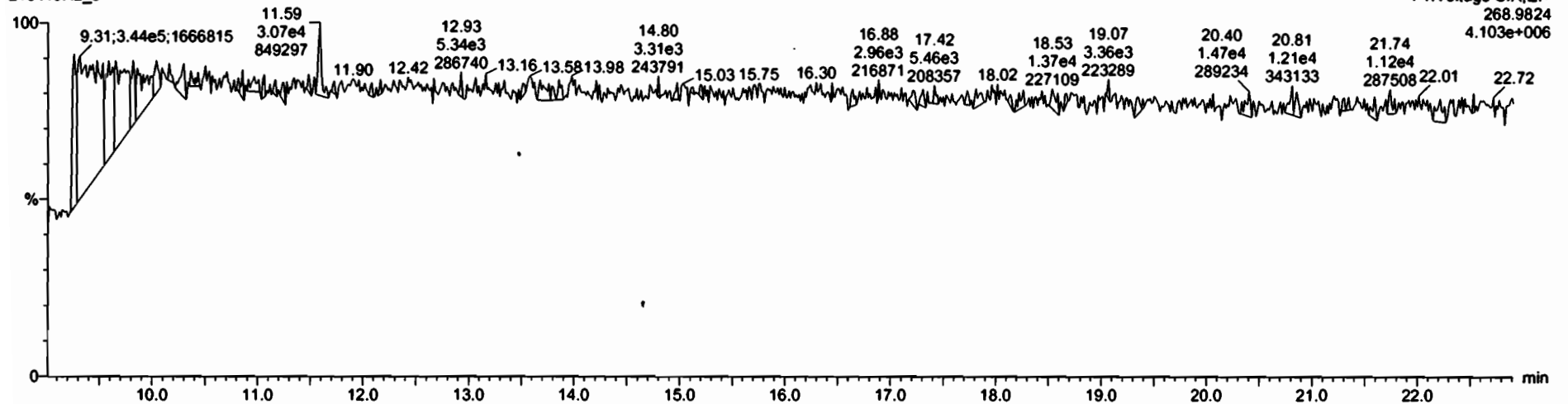
210416H2\_8



F2: Voltage SIR, EI+  
243.8551  
5.431e+005

PFK1

210416H2\_8

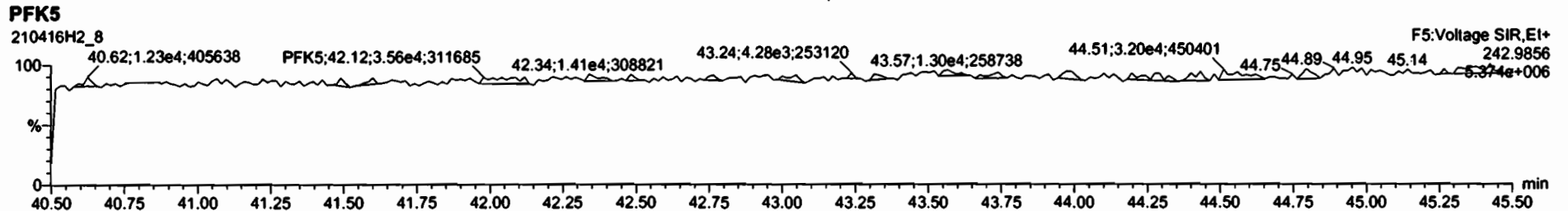
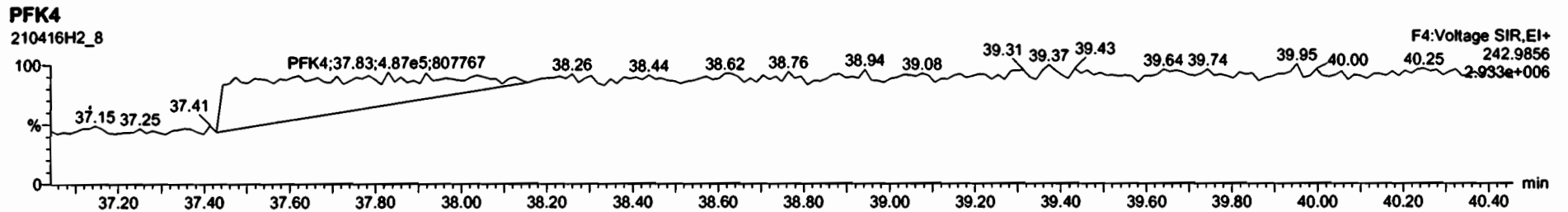
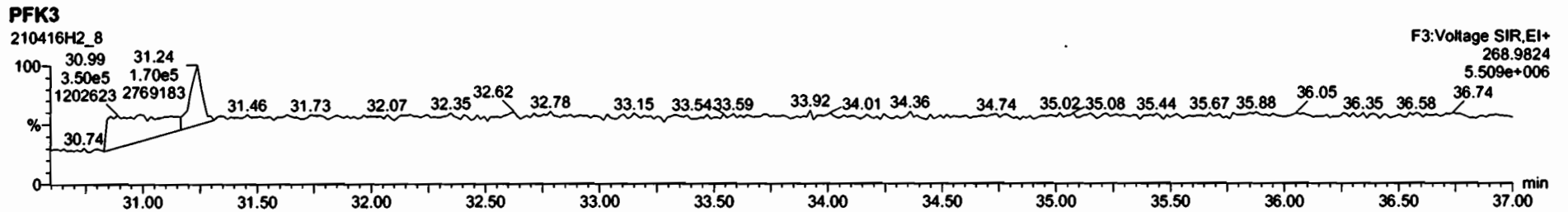
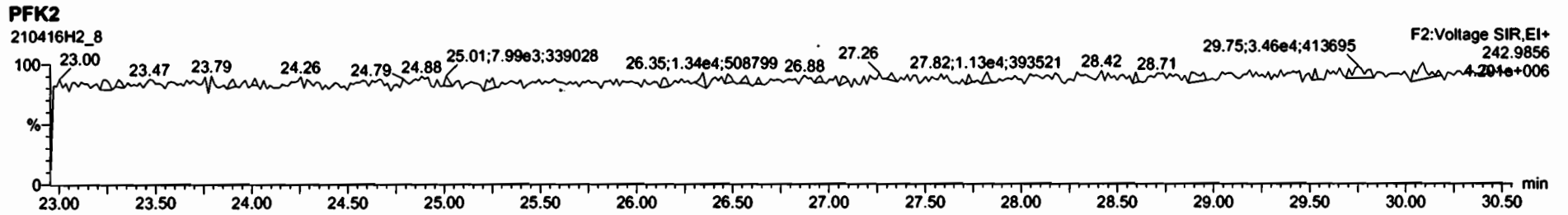


F1: Voltage SIR, EI+  
268.9824  
4.103e+006

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_8, Date: 16-Apr-2021, Time: 16:29:54, ID: 2103219-02 USMPDI-068RAB-10-20-210311 1.63, Description: USMPDI-068RAB-10-20-210311



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_9.qld

Last Altered: Tuesday, April 27, 2021 08:58:11 Pacific Daylight Time  
Printed: Tuesday, April 27, 2021 08:59:55 Pacific Daylight Time

*DF04/27/21*

*CT 05/03/2021*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRT	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DL	EMPC
1	4 Lindane (gamma-...		3.53e5		NO	0.847	1.729			1.000	YES			1.07	
2	9 Aldrin		2.28e4		NO	1.12	1.729			1.001	YES			3.17	
3	10 Oxychlordane		4.75e4		NO	1.11	1.729			1.001	YES			1.18	
4	13 trans-Chlordane (g...	4.08e2	3.97e4	3.11	YES	1.19	1.729	35.06	1.001	1.001	NO	4.9764		1.29	3.10
5	14 trans-Nonachlor		4.14e4		NO	1.09	1.729			1.000	YES			1.25	
6	15 cis-Chlordane		4.14e4		NO	1.20	1.729			1.016	YES			1.13	
7	18 2,4'-DDE		1.11e6		NO	1.01	1.729			1.000	YES			0.703	
8	19 4,4'-DDE	6.25e4	7.08e5	1.43	NO	1.03	1.729	36.77	1.000	1.000	NO	49.421		1.08	49.4
9	20 Dieldrin		8.31e4		NO	1.05	1.729			1.001	YES			1.30	
10	22 cis-Nonachlor		3.53e4		NO	1.05	1.729			1.000	YES			3.06	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_9.qld

Last Altered: Tuesday, April 27, 2021 08:58:11 Pacific Daylight Time

Printed: Tuesday, April 27, 2021 09:00:10 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DU	EMPC
1	24 2,4'-DDD		7.86e5		NO	1.03	1.729			1.000	YES			1.82	
2	25 2,4'-DDT	1.73e4	3.01e5	1.82	NO	1.02	1.729	39.02	1.000	1.000	NO	32.577		4.38	32.6
3	26 4,4'-DDD	1.16e4	5.31e5	0.93	YES	1.10	1.729	39.15	1.000	1.000	NO	11.431		2.43	9.03
4	27 4,4'-DDT	6.71e4	1.96e5	1.48	NO	1.11	1.729	40.20	1.000	1.001	NO	178.11		6.27	178
5	36 13C6-Lindane (ga...	3.53e5	2.08e6	0.81	NO	0.190	1.729	26.57	1.019	1.019	NO	517.73	89.5	2.78	
6	40 13C12-Aldrin	2.28e4	2.08e6	1.62	NO	0.152	1.729	30.80	1.181	1.181	NO	41.645	7.20	1.21	
7	41 13C10-Oxychlorda...	4.75e4	2.08e6	1.64	NO	0.0441	1.729	33.35	1.279	1.280	NO	299.72	51.8	4.19	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_9.qld

Last Altered: Tuesday, April 27, 2021 08:58:11 Pacific Daylight Time  
Printed: Tuesday, April 27, 2021 09:00:58 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\1db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
1	43 13C10-trans-Chlor...	3.97e4	2.08e6	1.57	NO	0.0390	1.729	35.03	1.344	1.344	NO	283.10	48.9	4.73	
2	44 13C10-trans-Nona...	4.14e4	7.58e5	1.62	NO	0.0772	1.729	35.22	0.982	0.983	NO	408.56	70.6	3.66	
3	46 13C12-2,4'-DDE	1.11e6	7.58e5	1.58	NO	1.84	1.729	35.69	0.996	0.995	NO	458.86	79.3	0.840	
4	47 13C12-4,4'-DDE	7.08e5	7.58e5	1.58	NO	1.31	1.729	36.75	1.025	1.026	NO	413.33	71.4	1.18	
5	48 13C12-Dieldrin	8.31e4	7.58e5	1.68	NO	0.177	1.729	37.27	1.040	1.040	NO	357.97	61.9	5.77	
6	50 13C10-cis-Nonach...	3.53e4	7.58e5	1.70	NO	0.0908	1.729	38.93	1.086	1.087	NO	296.32	51.2	11.3	
7	52 13C12-2,4'-DDD	7.86e5	7.58e5	1.60	NO	1.21	1.729	37.89	1.057	1.057	NO	493.81	85.4	1.42	
8	53 13C12-2,4'-DDT	3.01e5	7.58e5	1.61	NO	0.662	1.729	39.00	1.088	1.089	NO	346.89	60.0	2.60	
9	54 13C12-4,4'-DDD	5.31e5	7.58e5	1.57	NO	0.950	1.729	39.14	1.092	1.092	NO	426.64	73.7	1.82	
10	55 13C12-4,4'-DDT	1.96e5	7.58e5	1.60	NO	0.455	1.729	40.19	1.121	1.122	NO	329.61	57.0	3.79	
11	62 13C-PCB-15	2.08e6	2.08e6	1.56	NO	1.00	1.729	26.07	1.000	1.000	NO	578.50	100	0.343	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_9.qld

Last Altered: Tuesday, April 27, 2021 08:58:11 Pacific Daylight Time

Printed: Tuesday, April 27, 2021 09:01:03 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	7.58e5	7.58e5	0.82	NO	1.00	1.729	35.85	1.000	1.000	NO	578.50	100	0.671	

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate

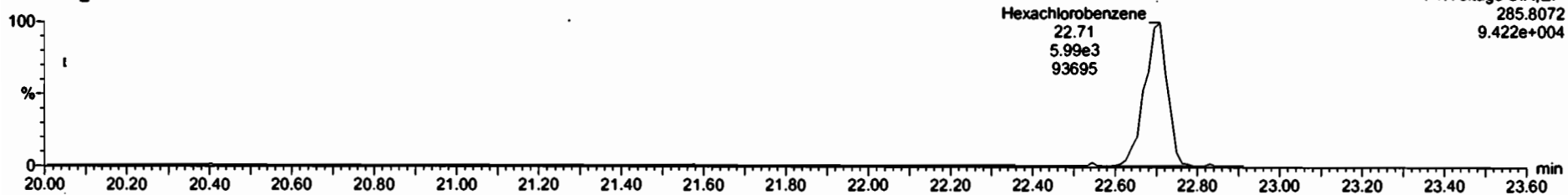
Hexachlorobenzene

210416H2\_9



F1:Voltage SIR,EI+  
283.8102  
1.004e+005

210416H2\_9



F1:Voltage SIR,EI+  
285.8072  
9.422e+004

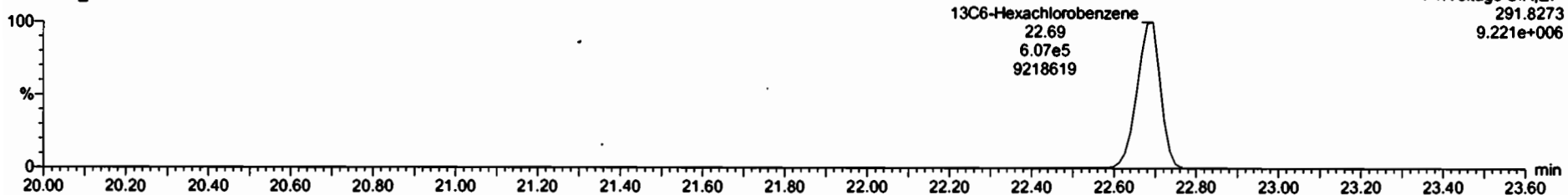
13C6-Hexachlorobenzene

210416H2\_9



F1:Voltage SIR,EI+  
289.8303  
1.179e+007

210416H2\_9



F1:Voltage SIR,EI+  
291.8273  
9.221e+006



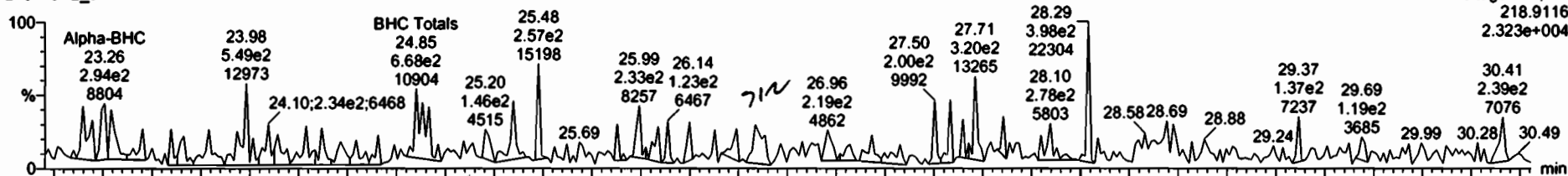
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate

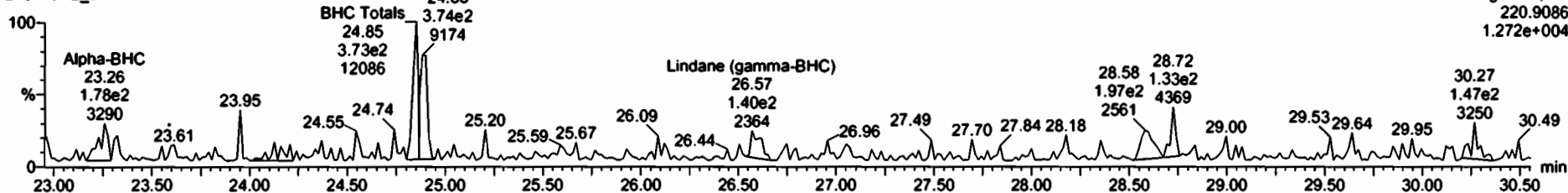
**BHC Totals**

210416H2\_9



F2: Voltage SIR, EI+  
218.9116  
2.323e+004

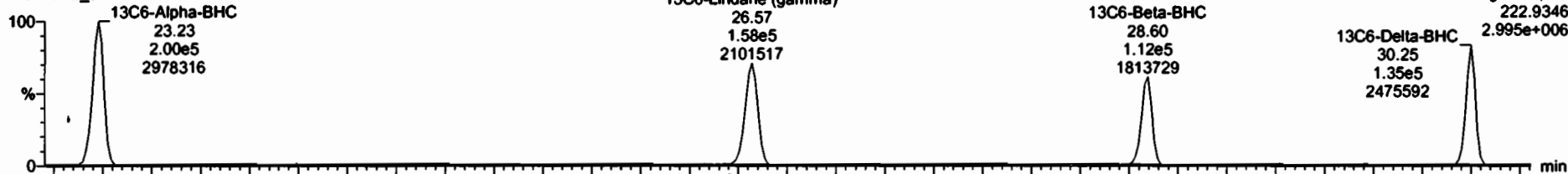
210416H2\_9



F2: Voltage SIR, EI+  
220.9086  
1.272e+004

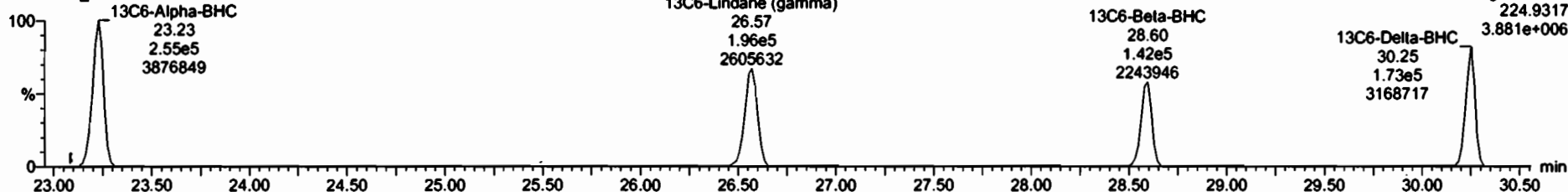
**BHC-Isotopes**

210416H2\_9



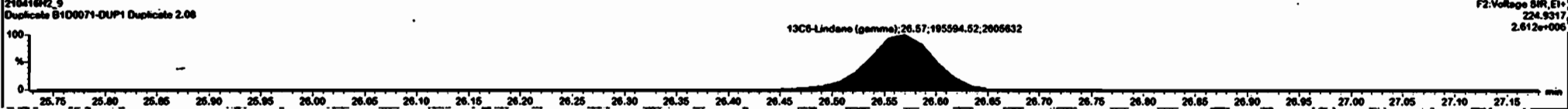
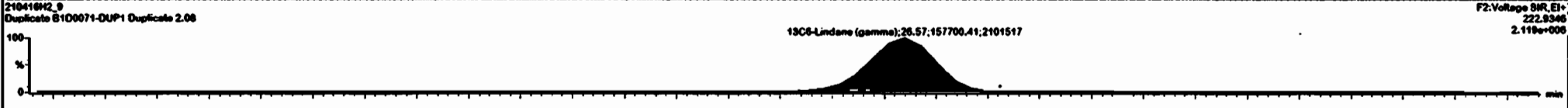
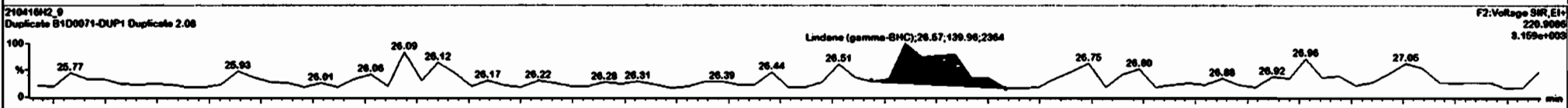
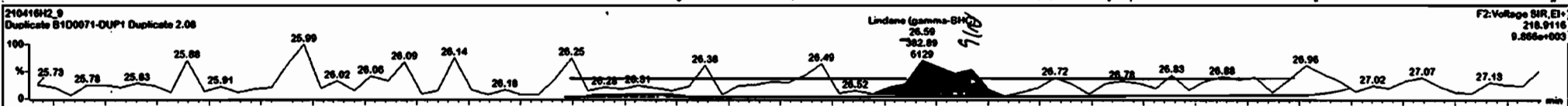
F2: Voltage SIR, EI+  
222.9346  
2.995e+006

210416H2\_9



F2: Voltage SIR, EI+  
224.9317  
3.881e+006

#	Name	Resp	SAREA	RA	Int	RRF	Wave	RT	Prod RT	RRT	Prod RRT	Check RRT	CGRE	%RAC	DL	ELPC
1	Hexachlorobutadiene	1.78e4	2.25e8	0.37	YES	0.10	2.0000	9.98	9.99	1.001	1.002	NO	370.9		0.750	181
2	Hexachlorobenzene	1.23e4	1.38e8	1.05	NO	0.98	2.0000	22.69	22.69	1.001	1.000	NO	4.311		0.0177	4.31
3	Alpha-BHC	4.73e2	4.54e5	1.65	NO	0.83	2.0000	23.28	23.28	1.001	1.001	NO	0.6044		0.638	0.604
4	Lindane (gamma-BHC)	5.23e2	3.53e5	2.74	YES	0.86	2.0000	26.59	26.59	1.001	1.000	NO	0.8278		0.890	0.602
5	Beta-BHC		2.55e5		NO	1.00	2.0000	28.62			1.001	YES			0.887	
6	Delta-BHC		3.06e5		NO	0.91	2.0000	30.28			1.001	YES			0.895	
7	Heptachlor		1.00e5		NO	1.10	2.0000	28.74			1.001	YES			0.252	
8	4,4'-DDMU	8.84e2	3.06e5	1.83	YES	1.25	2.0000	30.09	30.19	0.995	0.998	NO	1.002		1.18	0.856
9	Alrin		2.28e4		NO	1.09	2.0000	30.83			1.001	YES			2.08	
10	Orychlorane		4.73e4		NO	1.06	2.0000	33.39			1.001	YES			1.83	
11	cis-Heptachlor Epoxide		6.34e4		NO	1.06	2.0000	34.18			1.001	YES			0.716	
12	trans-Heptachlor Epoxide		6.34e4		NO	0.29	2.0000	34.68			1.018	YES			2.65	
13	trans-Chlordane (gamma)		3.97e4		NO	1.14	2.0000	35.07			1.001	YES			1.13	
14	trans-Nonachlor		4.14e4		NO	1.06	2.0000	35.22			1.000	YES			1.87	
15	cis-Chlordane		4.14e4		NO	1.16	2.0000	35.77			1.018	YES			0.970	
16	Endosulfan I (alpha)		2.99e4		NO	1.23	2.0000	35.85			1.001	YES			1.30	
17	4,4'-DDMU	1.48e3	1.11e8	2.89	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.584		0.982	1.58
18	2,4'-DDE	3.77e3	1.11e8	1.81	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.597		0.578	1.31
19	4,4'-DDE	6.17e4	7.06e5	1.48	NO	1.04	2.0000	36.77	36.75	1.000	1.000	NO	40.37		0.894	48.4
20	Dieldrin		8.31e4		NO	1.03	2.0000	37.30			1.001	YES			1.10	



Dataset: Untitled

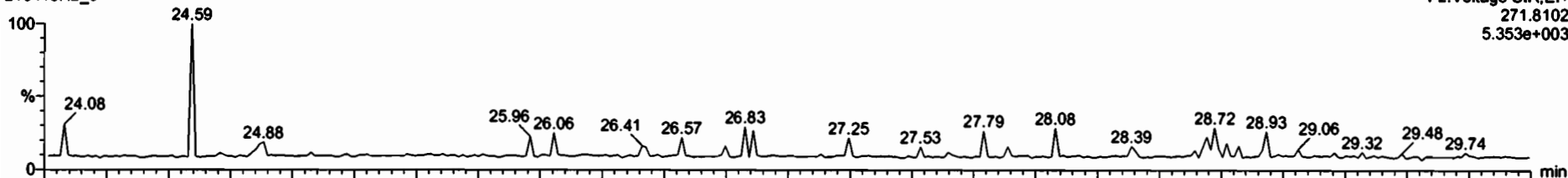
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

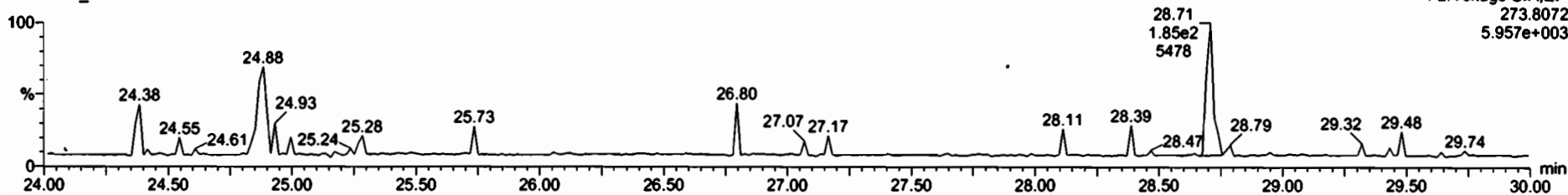
Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate

Heptachlor

210416H2\_9

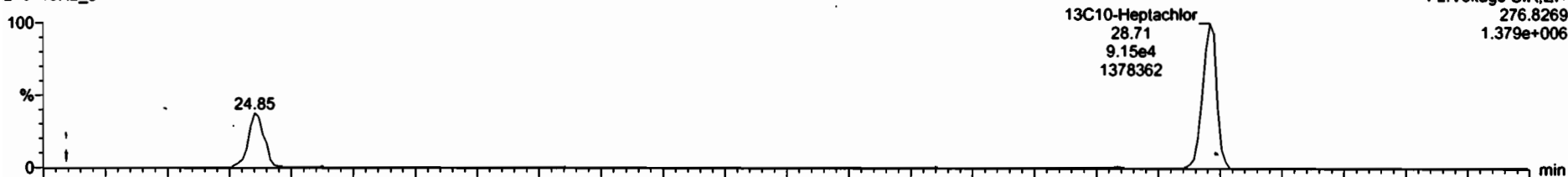


210416H2\_9

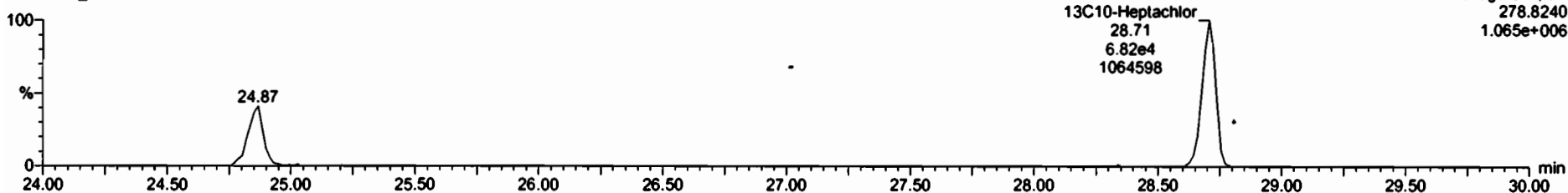


<sup>13</sup>C-Heptachlor

210416H2\_9



210416H2\_9

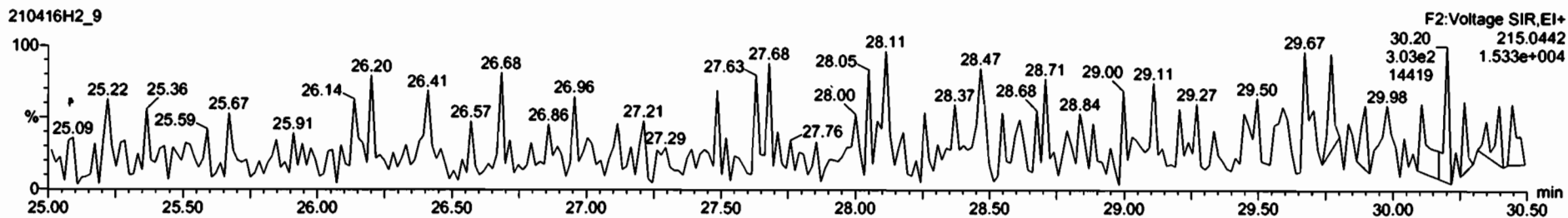
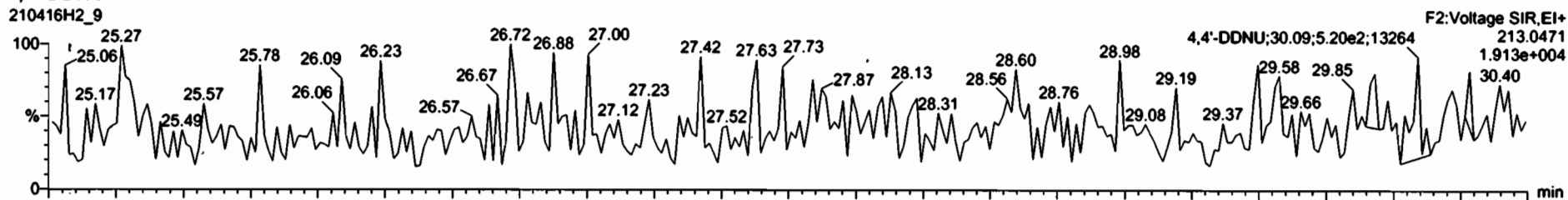


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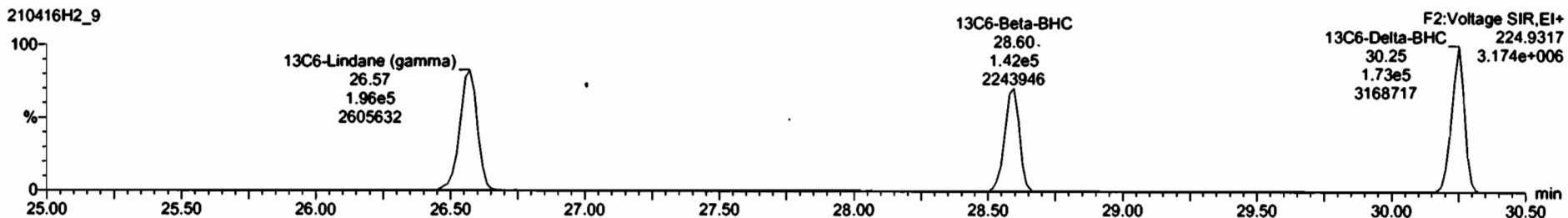
Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate

4,4'-DDNU



13C6-Delta-BHC



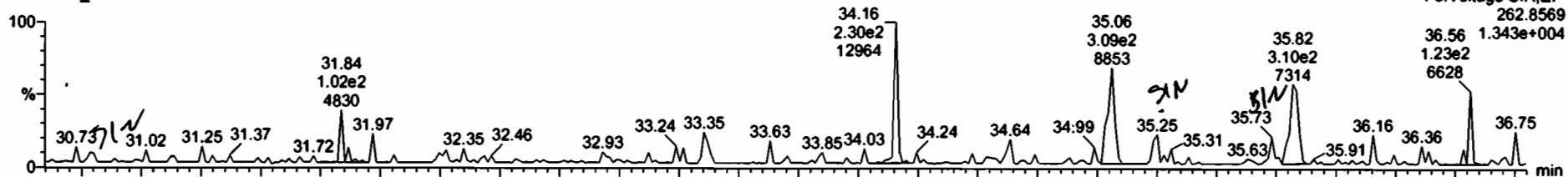
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

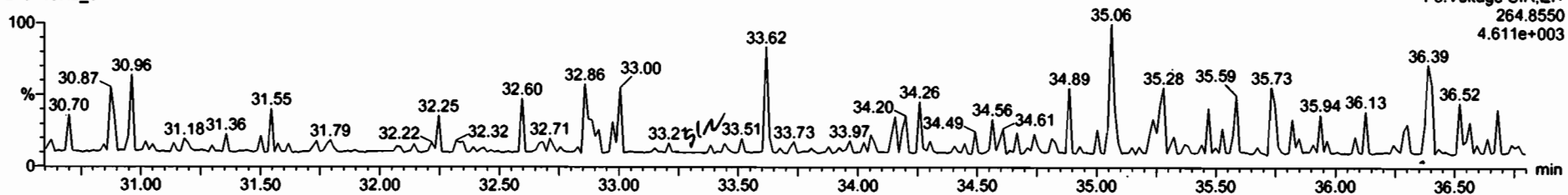
Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate

**Aldrin-EI**

210416H2\_9

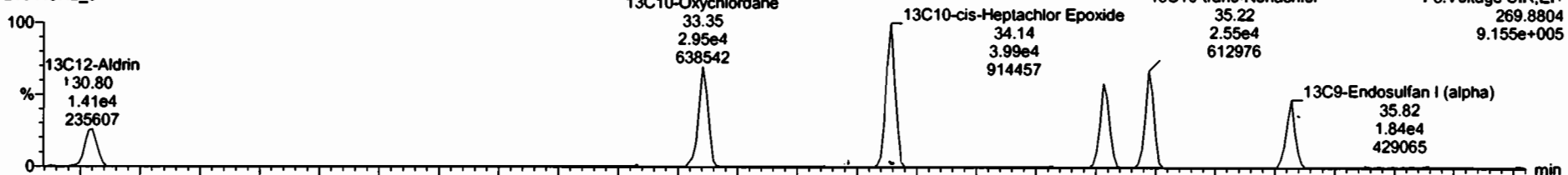


210416H2\_9

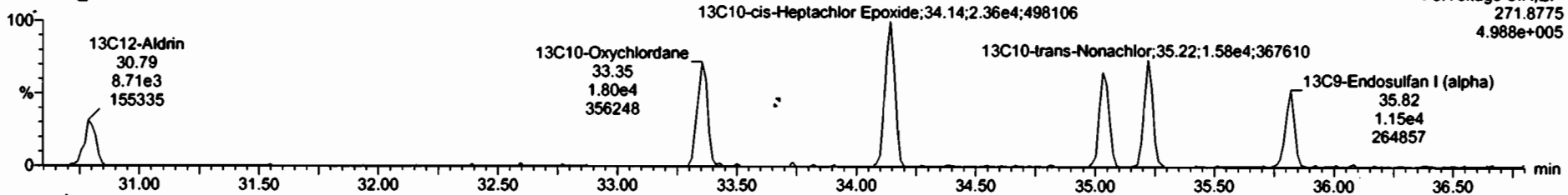


**Aldrin-EI-isotopes**

210416H2\_9



210416H2\_9

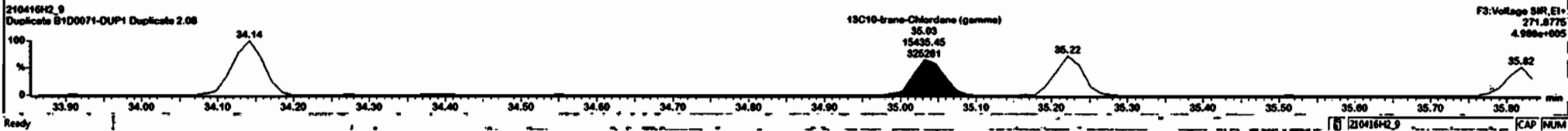
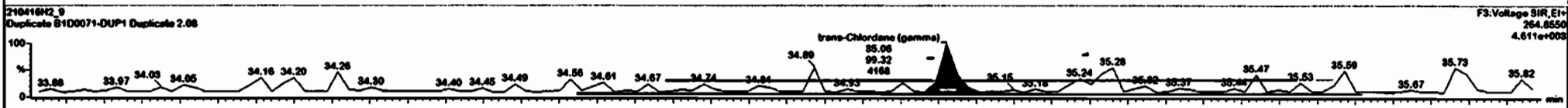
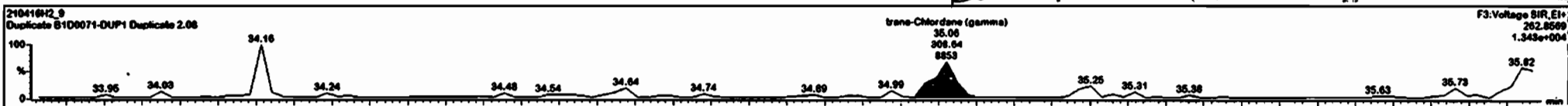


TargetLynx - 21041642\_9.qld - [Chromatogram]

File Edit View Display Processing Window Help

21041642\_9 - B1D0071-DUP1 Duplicate 2.08 - Dup date

#	Name	Resp	IS AREA	RA	dy	RRF	wVMS	RT	Prod RT	RT	Prod RT	Check RT	Conc	%Rec	OL	EMPC
1	Hexachlorobutadiene	1.78e4	2.25e6	0.37	YES	0.10	2.0000	9.98	9.99	1.001	1.002	NO	370.9		0.756	181
2	Hexachlorobenzene	1.23e4	1.39e6	1.05	NO	0.98	2.0000	22.69	22.69	1.001	1.000	NO	4.311		0.0177	4.31
3	Alpha-BHC	4.73e2	4.54e5	1.65	NO	0.83	2.0000	23.28	23.28	1.001	1.001	NO	0.6044		0.638	0.604
4	Lindane (gamma-BHC)	5.23e2	3.53e5	2.74	YES	0.86	2.0000	26.58	26.58	1.001	1.000	NO	0.6276		0.880	0.682
5	Beta-BHC		2.55e5		NO	1.00	2.0000		28.62		1.001	YES			0.887	
6	Delta-BHC		3.08e5		NO	0.91	2.0000		30.28		1.001	YES			0.695	
7	Heptachlor		1.80e5		NO	1.18	2.0000		28.74		1.001	YES			0.252	
8	4,4'-DDMU	8.04e2	3.06e5	1.83	YES	1.25	2.0000	30.09	30.19	0.995	0.996	NO	1.002		1.18	0.856
9	Alarh		2.28e4		NO	1.09	2.0000		30.83		1.001	YES			2.69	
10	Onychidane		4.75e4		NO	1.06	2.0000		33.30		1.001	YES			1.93	
11	cis-Heptachlor Epoxide		6.34e4		NO	1.06	2.0000		34.18		1.001	YES			0.716	
12	trans-Heptachlor Epoxide		6.34e4		NO	0.29	2.0000		34.88		1.018	YES			2.95	
13	trans-Chlordane (gamma)	4.86e2	3.87e4	3.11	YES	1.14	2.0000	35.08	35.07	1.001	1.001	NO	4.348		1.13	2.71
14	trans-Nonachlor		4.14e4		NO	1.08	2.0000		35.22		1.000	YES			1.87	
15	cis-Chlordane		4.14e4		NO	1.16	2.0000		35.77		1.016	YES			0.970	
16	Endosulfan I (alpha)		2.99e4		NO	1.23	2.0000		35.85		1.001	YES			1.30	
17	4,4'-DDMU	1.48e3	1.11e6	2.89	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.584		0.992	1.50
18	2,4'-DDE	3.77e3	1.11e6	1.01	YES	1.02	2.0000	35.79	35.69	1.000	1.000	NO	1.587		0.578	1.31
19	4,4'-DDE	6.17e4	7.06e5	1.48	NO	1.84	2.0000	36.77	36.75	1.000	1.000	NO	40.37		0.894	40.4
20	Dieldrin		8.31e4		NO	1.83	2.0000		37.30		1.001	YES			1.10	



Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

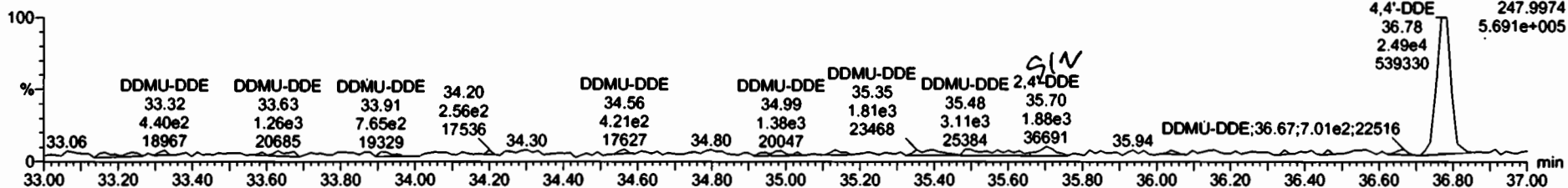
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**DDMU-DDE**

210416H2\_9



210416H2\_9

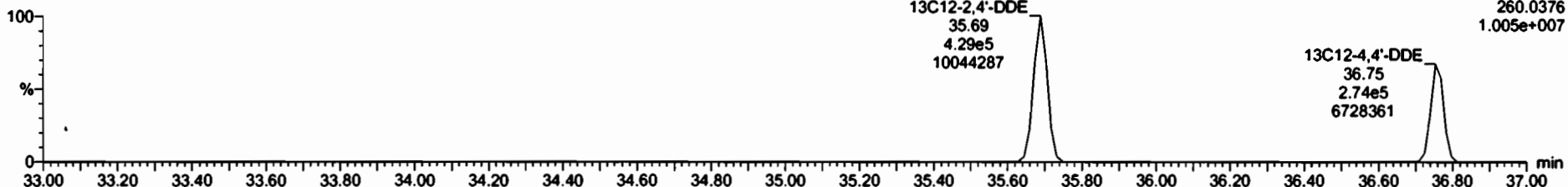


**DDE-isotopes**

210416H2\_9

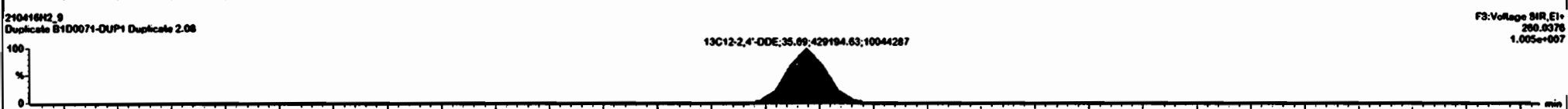
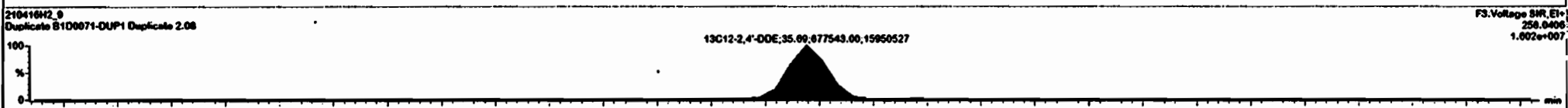
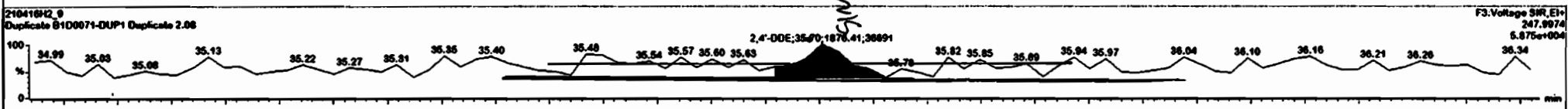
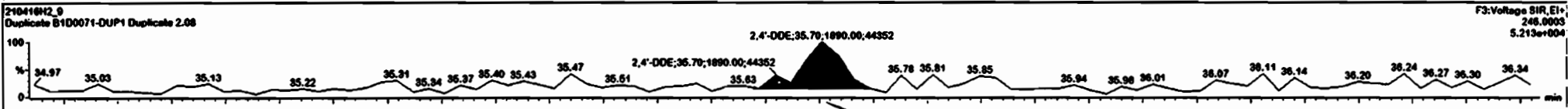


210416H2\_9



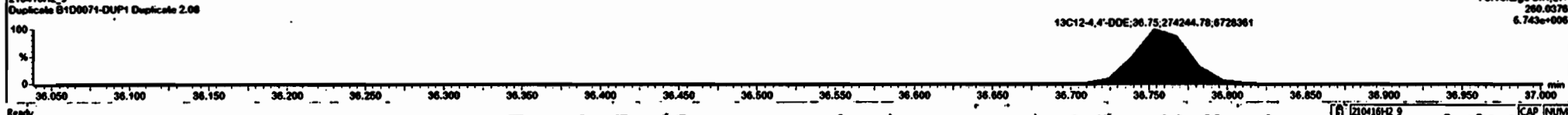
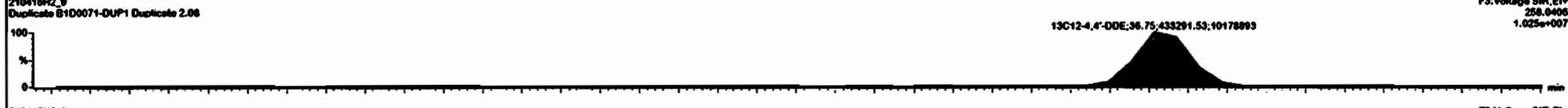
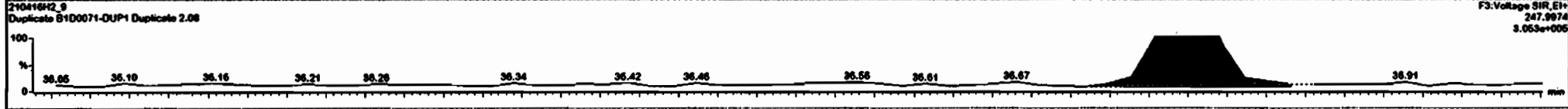
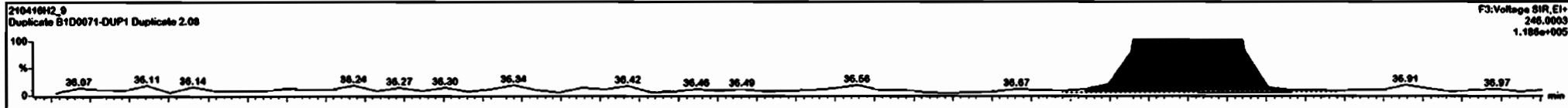
21041642\_9 - B1D0071-DUP1 Duplicate 2.08 - Duplicate

#	Name	Resp	S AREA	RA	Int	RRR	Wt%	RT	Pred RT	RRT	Pred RRT	Chk'd RRT	Comp	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.78e4	2.25e8	0.37	YES	0.10	2.0000	9.98	9.99	1.001	1.002	NO	370.9		0.759	181
2	Hexachlorobenzene	1.23e4	1.39e8	1.05	NO	0.98	2.0000	22.69	22.69	1.001	1.000	NO	4.311		0.9177	4.31
3	Alpha-BHC	4.73e2	4.54e5	1.85	NO	0.83	2.0000	23.26	23.26	1.001	1.001	NO	0.6044		0.638	0.604
4	Lindane (gamma-BHC)	5.23e2	3.53e5	2.74	YES	0.86	2.0000	26.50	26.50	1.001	1.000	NO	0.8278		0.880	0.882
5	Beta-BHC		2.55e5		NO	1.00	2.0000		26.82		1.001	YES			0.887	
6	Delta-BHC		3.08e5		NO	0.91	2.0000		30.28		1.001	YES			0.895	
7	Heptachlor		1.00e5		NO	1.10	2.0000		28.74		1.001	YES			0.252	
8	4,4'-DDMU	8.04e2	3.08e5	1.83	YES	1.25	2.0000	30.09	30.19	0.995	0.998	NO	1.002		1.18	0.858
9	Albin		2.28e4		NO	1.09	2.0000		30.83		1.001	YES			2.69	
10	Onychiodene		4.75e4		NO	1.08	2.0000		33.30		1.001	YES			1.83	
11	cis-Heptachlor Epoxide		6.34e4		NO	1.98	2.0000		34.18		1.001	YES			0.716	
12	trans-Heptachlor Epoxide		6.34e4		NO	0.29	2.0000		34.68		1.016	YES			2.86	
13	trans-Chlordane (gamma)	4.86e2	3.97e4	3.11	YES	1.14	2.0000	35.08	35.07	1.001	1.001	NO	4.348		1.13	2.71
14	trans-Nonachlor		4.14e4		NO	1.06	2.0000		35.22		1.000	YES			1.87	
15	cis-Chlordane		4.14e4		NO	1.16	2.0000		35.77		1.016	YES			0.970	
16	Endosulfan I (alpha)		2.98e4		NO	1.23	2.0000		35.85		1.001	YES			1.30	
17	4,4'-DDMU	1.48e3	1.11e8	2.68	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.584		0.982	1.58
18	2,4'-DDE	3.77e3	1.11e8	1.81	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.507		0.578	1.31
19	4,4'-DDE	6.23e4	7.08e5	1.43	NO	1.04	2.0000	36.77	36.75	1.000	1.000	NO	48.81		0.894	48.8
20	Dieldrin		8.31e4		NO	1.83	2.0000		37.30		1.001	YES			1.10	





#	Name	Resp	ISAREA	RA	aly	RRF	wfVal	RT	Prod RT	RRT	Prod RRT	Chk'd RRT	Conc	%RSC	DL	EMPC
1	Hexachlorobutadiene	1.78e4	2.25e8	0.37	YES	0.10	2.0000	9.98	9.99	1.001	1.002	NO	370.9		0.758	181
2	Hexachlorobenzene	1.23e4	1.39e8	1.95	NO	0.98	2.0000	22.69	22.69	1.001	1.000	NO	4.311		0.0177	4.31
3	Alpha-BHC	4.73e2	4.54e5	1.65	NO	0.83	2.0000	23.26	23.26	1.001	1.001	NO	0.6044		0.636	0.604
4	Lindane (gamma-BHC)	5.23e2	3.53e5	2.74	YES	0.86	2.0000	26.56	26.56	1.001	1.000	NO	0.6276		0.660	0.662
5	Beta-BHC		2.55e5		NO	1.00	2.0000	26.62			1.001	YES			0.667	
6	Delta-BHC		3.08e5		NO	0.91	2.0000	30.25			1.001	YES			0.695	
7	Heptachlor		1.00e5		NO	1.10	2.0000	28.74			1.001	YES			0.252	
8	4,4'-DDU	8.04e2	3.08e5	1.83	YES	1.25	2.0000	30.09	30.19	0.995	0.998	NO	1.002		1.16	0.856
9	Alinr		2.28e4		NO	1.09	2.0000	30.83			1.001	YES			2.69	
10	Chrysothardene		4.75e4		NO	1.06	2.0000	33.39			1.001	YES			1.03	
11	cis-Heptachlor Epoxide		6.34e4		NO	1.06	2.0000	34.18			1.001	YES			0.716	
12	trans-Heptachlor Epoxide		6.34e4		NO	0.29	2.0000	34.68			1.016	YES			2.85	
13	trans-Chlordane (gamma)	4.08e2	3.97e4	3.11	YES	1.14	2.0000	35.06	35.07	1.001	1.001	NO	4.346		1.13	2.71
14	trans-Nonachlor		4.14e4		NO	1.06	2.0000	35.22			1.000	YES			1.87	
15	cis-Chlordane		4.14e4		NO	1.16	2.0000	35.77			1.016	YES			0.970	
16	Etoxosulfan I (alpha)		2.98e4		NO	1.23	2.0000	35.85			1.001	YES			1.30	
17	4,4'-DDU	1.48e3	1.11e8	2.89	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.504		0.992	1.50
18	2,4'-DDE	3.77e3	1.11e8	1.01	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.597		0.578	1.31
19	4,4'-DDE	8.23e4	7.88e5	1.43	NO	1.04	2.0000	36.77	36.75	1.000	1.000	NO	40.01		0.894	40.0
20	Dieldrin		8.31e4		NO	1.03	2.0000	37.30			1.001	YES			1.10	



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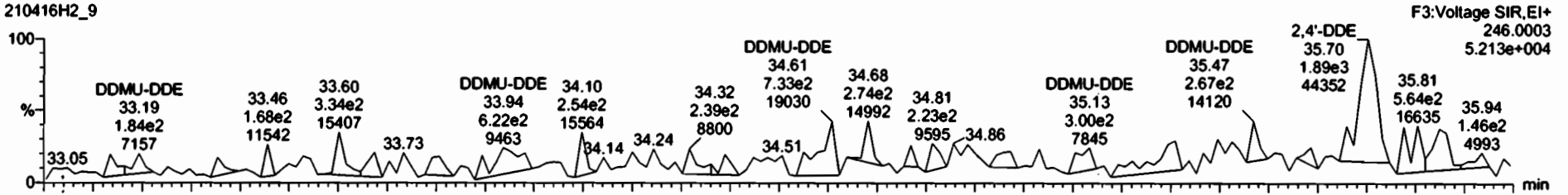
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

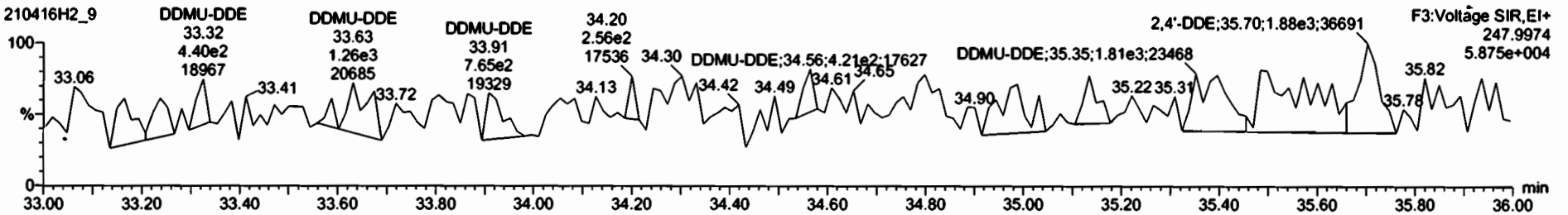
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2,4'-DDE

210416H2\_9



210416H2\_9

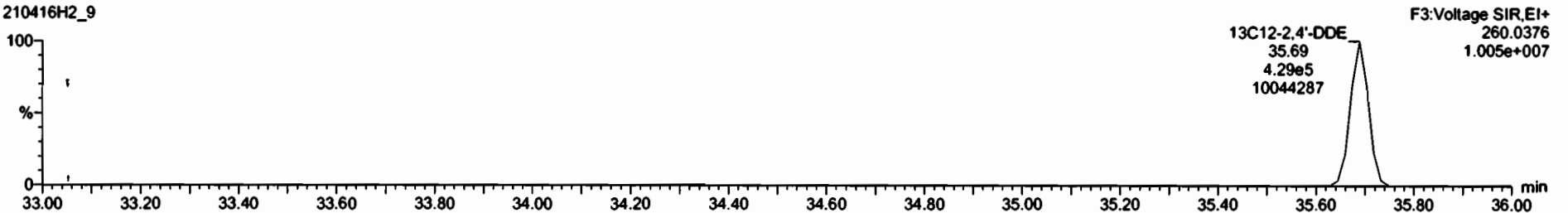


13C12-2,4'-DDE

210416H2\_9



210416H2\_9

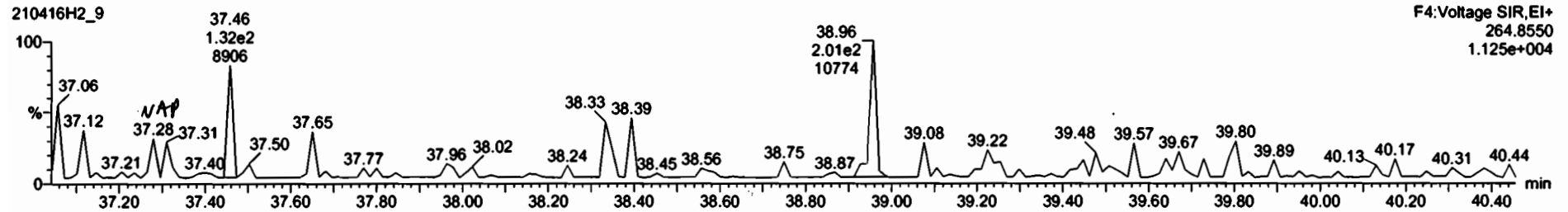
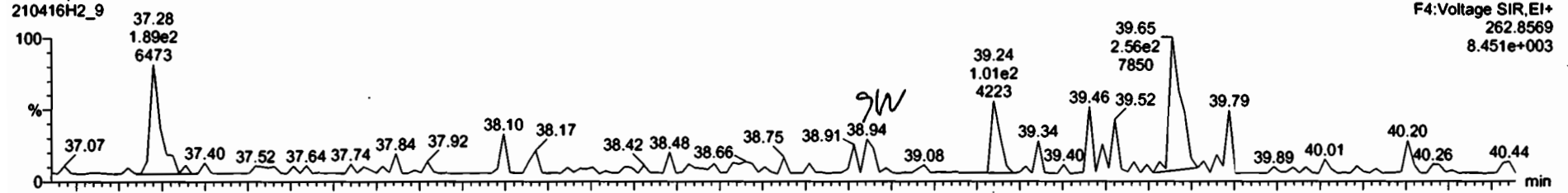


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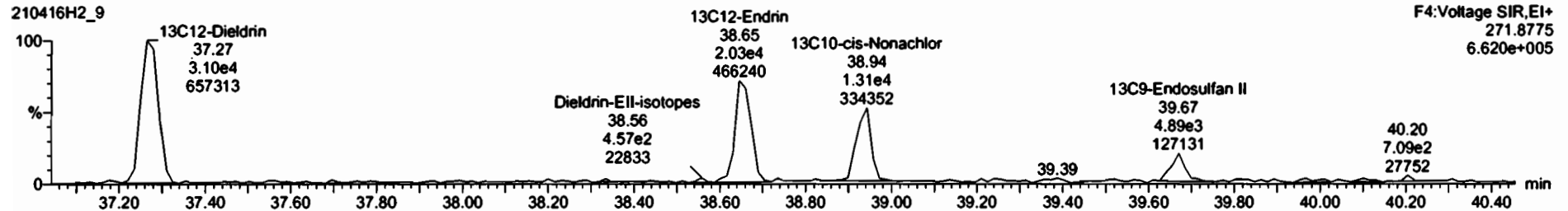
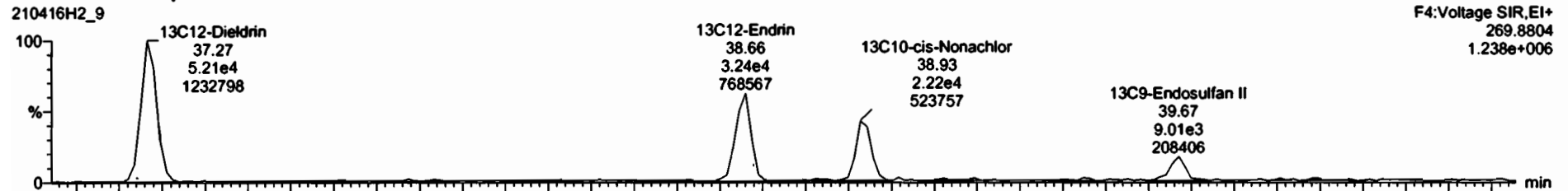
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate

Dieldrin-EII



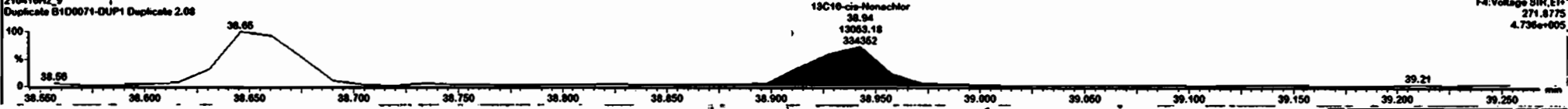
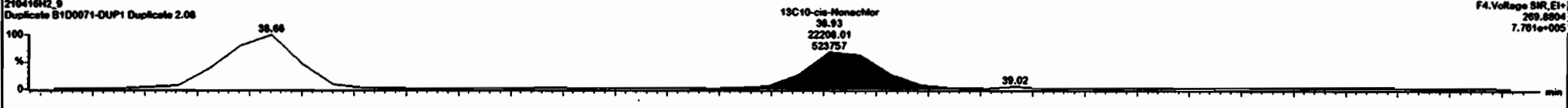
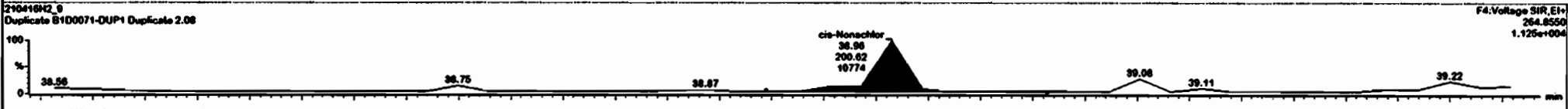
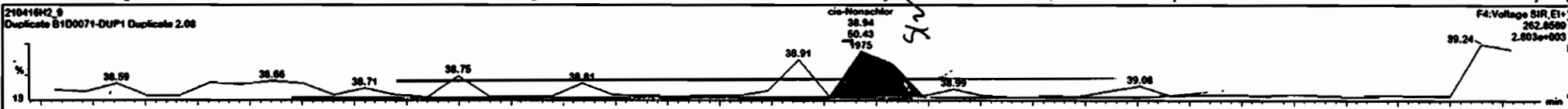
Dieldrin-EII-isotopes



Targetlynx - 21041642\_9.qld - (Chromatogram)

21041642\_9\_B1D0071-DUP1.Dual date 2.00 Duplicate

#	Name	Resp	S AREA	RA	Qty	RRF	w/w%	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%AvC	DL	EUPC
11	cis-Heptachlor Epoxide		6.34e1		NO	1.06	2.0000	34.18			1.001	YES			0.710	
12	trans-Heptachlor Epoxide		6.34e1		NO	0.29	2.0000	34.68			1.018	YES			2.65	
13	trans-Chlordane (gamma)	4.89e2	3.97e4	3.11	YES	1.14	2.0000	35.96	35.67	1.001	1.001	NO	4.348		1.13	2.71
14	trans-Nonachlor		4.14e1		NO	1.06	2.0000	35.22			1.000	YES			1.07	
15	cis-Chlordane		4.14e1		NO	1.16	2.0000	35.77			1.016	YES			0.970	
16	Endosulfan I (alpha)		2.99e1		NO	1.23	2.0000	35.85			1.001	YES			1.30	
17	4,4'-DDMU	1.48e3	1.11e6	2.89	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.584		0.992	1.58
18	2,4'-DDE	3.77e3	1.11e6	1.01	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.597		0.578	1.31
19	4,4'-DDE	6.23e2	7.06e5	1.43	NO	1.84	2.0000	36.77	36.75	1.000	1.000	NO	40.81		0.894	40.8
20	Dieldrin		8.31e1		NO	1.03	2.0000	37.30			1.001	YES			1.10	
21	Endrin		5.27e1		NO	1.01	2.0000	38.70			1.001	YES			1.77	
22	cis-Nonachlor	2.51e2	3.53e4	0.25	YES	1.00	2.0000	38.94	38.93	1.000	1.000	NO	3.421		2.60	1.13
23	Endosulfan II (beta)		1.39e1		NO	1.07	2.0000	39.67			1.000	YES			6.49	
24	2,4'-DDD	3.90e3	7.86e5	1.46	NO	1.07	2.0000	37.90	37.89	1.000	1.000	NO	2.237		1.45	2.20
25	2,4'-DDT	1.73e1	3.01e5	1.82	NO	1.05	2.0000	38.02	38.00	1.000	1.000	NO	26.34		3.54	26.3
26	4,4'-DDD	1.24e1	5.31e5	0.92	YES	1.16	2.0000	39.15	39.14	1.000	1.000	NO	9.832		1.91	7.58
27	4,4'-DDT	6.75e1	1.90e5	1.46	NO	1.13	2.0000	40.20	40.23	1.000	1.001	NO	146.0		5.18	146
28	Endosulfan Sulfate		1.17e1		NO	1.04	2.0000	41.38			1.000	YES			7.75	
29	4,4'-Methoxychlor		1.21e1		NO	1.22	2.0000	43.24			1.000	YES			7.30	
30	Mirex		7.24e1		NO	1.03	2.0000	43.68			1.001	YES			2.38	



Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

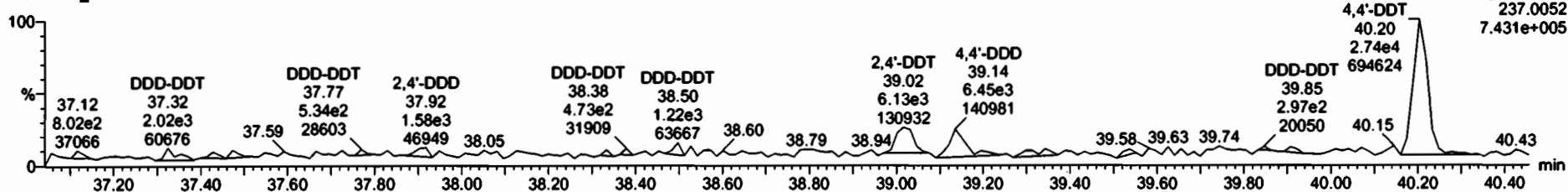
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DDD-DDT

210416H2\_9

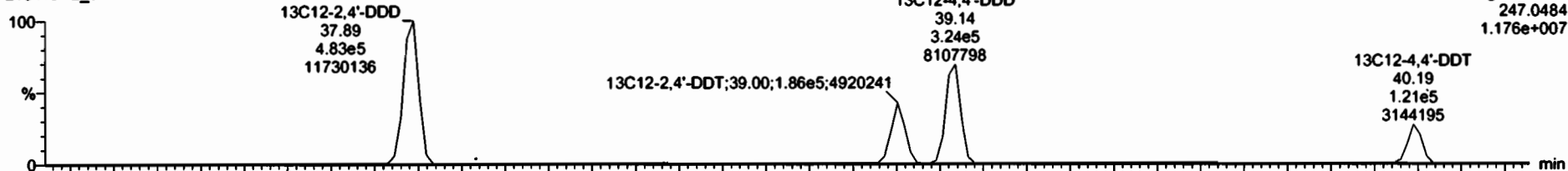


210416H2\_9

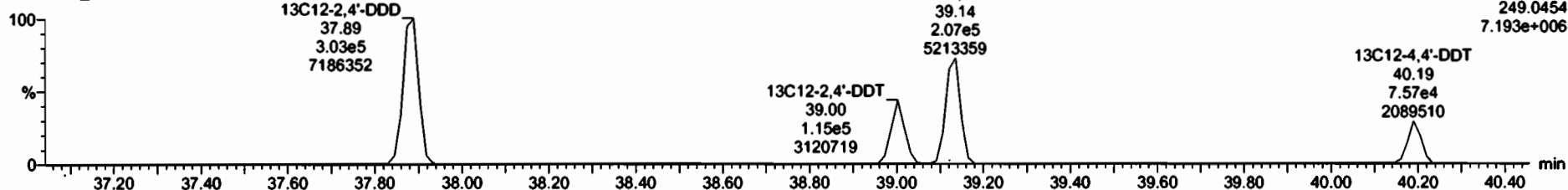


DDD-DDT-isotopes

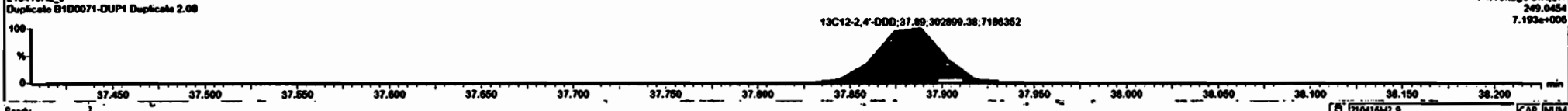
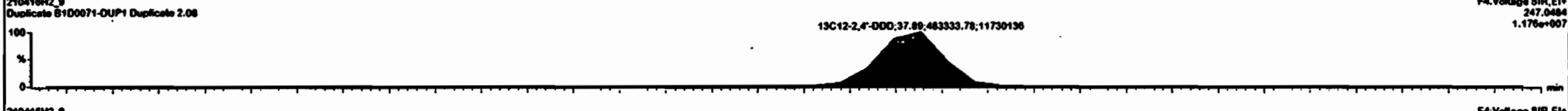
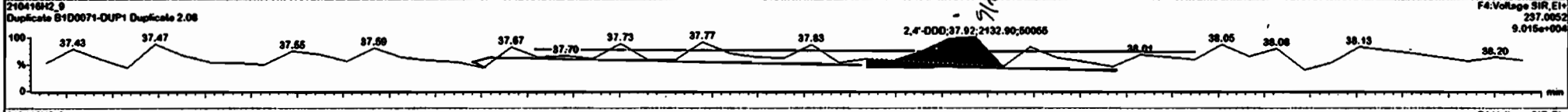
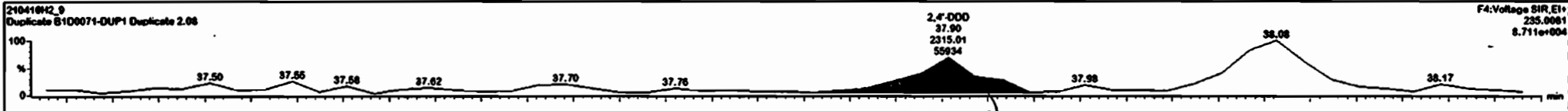
210416H2\_9



210416H2\_9



#	Name	Resp	SAREA	RA	dy	RRF	wt/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC	
11	11	cis-Heptachlor Epoxide	6.34e4		NO	1.06	2.0000	34.18		1.001	1.001	YES			0.716		
12	12	trans-Heptachlor Epoxide	6.34e4		NO	0.29	2.0000	34.68		1.016	1.016	YES			2.65		
13	13	trans-Chlordane (gamma)	4.08e2	3.97e4	3.11	YES	1.14	2.0000	35.06	35.07	1.001	1.001	NO	4.340	1.13	2.71	
14	14	trans-Nonachlor	4.14e4		NO	1.06	2.0000	35.22		1.000	1.000	YES			1.07		
15	15	cis-Chlordane	4.14e4		NO	1.16	2.0000	35.77		1.016	1.016	YES			0.970		
16	16	Endosulfan I (alpha)	2.99e4		NO	1.23	2.0000	35.85		1.001	1.001	YES			1.30		
17	17	4,4'-DDNU	1.48e3	1.11e8	2.00	NO	2.0000	35.48	35.47	0.994	0.994	NO	1.584		0.992	1.58	
18	18	2,4'-DDE	3.77e3	1.11e8	1.01	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.507		0.576	1.31
19	19	4,4'-DDE	6.23e4	7.08e5	1.43	NO	1.04	2.0000	36.77	36.75	1.000	1.000	NO	40.81		0.894	40.8
20	20	Endrin	8.31e4		NO	1.03	2.0000	37.30		1.001	1.001	YES			1.10		
21	21	Endrin	5.27e4		NO	1.01	2.0000	38.70		1.001	1.001	YES			1.77		
22	22	cis-Nonachlor	2.51e2	3.53e4	0.25	YES	1.00	2.0000	38.94	38.93	1.000	1.000	NO	3.421		2.88	1.13
23	23	Endosulfan II (beta)	1.38e4		NO	1.07	2.0000	39.67		1.000	1.000	YES			6.49		
24	24	2,4'-DDD	4.45e3	7.88e5	1.09	YES	1.07	2.0000	37.99	37.89	1.000	1.000	NO	2.551		1.45	2.18
25	25	2,4'-DDT	1.73e4	3.01e5	1.82	NO	1.05	2.0000	39.82	39.00	1.000	1.000	NO	26.34		3.54	26.3
26	26	4,4'-DDD	1.24e4	5.31e5	0.82	YES	1.18	2.0000	39.15	39.14	1.000	1.000	NO	9.832		1.91	7.58
27	27	4,4'-DDT	6.75e4	1.98e5	1.48	NO	1.13	2.0000	40.20	40.23	1.000	1.001	NO	146.0		5.10	146
28	28	Endosulfan Sulfate	1.17e4		NO	1.04	2.0000	41.38		1.000	1.000	YES			7.75		
29	29	4,4'-Methoxychlor	1.21e6		NO	1.22	2.0000	43.24		1.000	1.000	YES			7.38		
30	30	Mirex	7.24e4		NO	1.03	2.0000	43.88		1.001	1.001	YES			2.38		

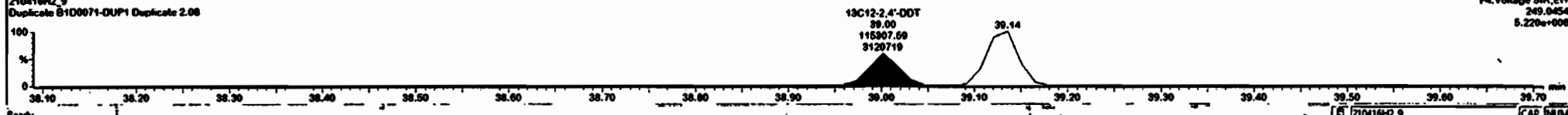
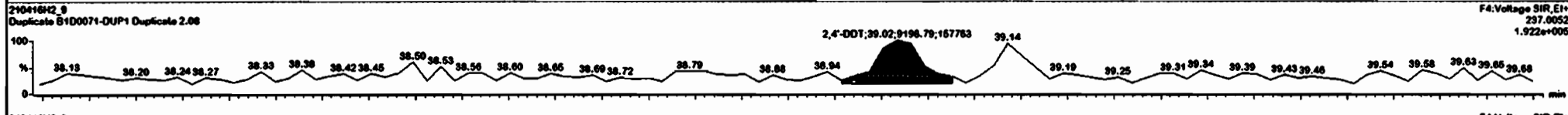
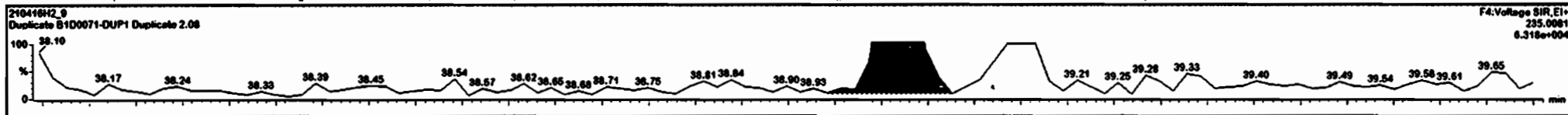


Ready 37.450 37.500 37.550 37.600 37.650 37.700 37.750 37.800 37.850 37.900 37.950 38.000 38.050 38.100 38.150 38.200 [8] 210416H2\_9 [CAP NUM

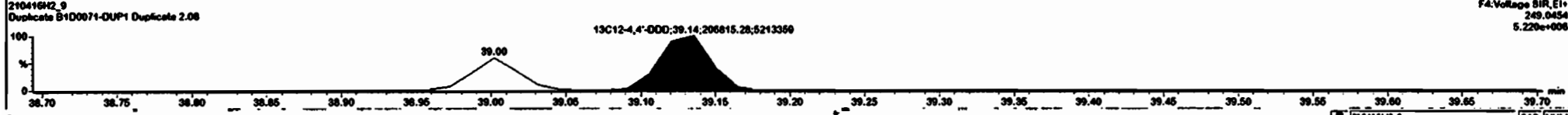
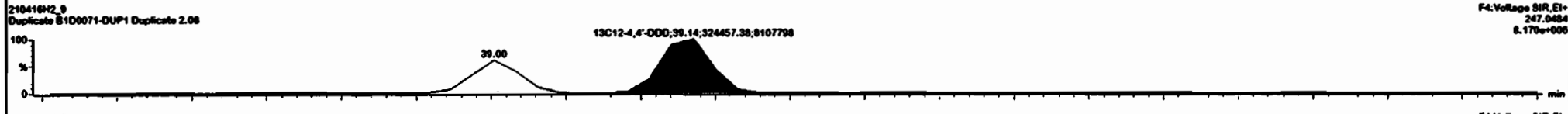
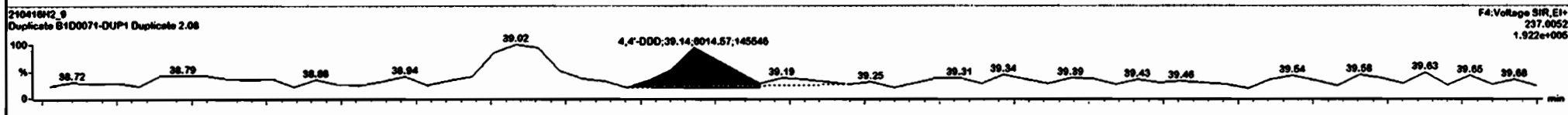
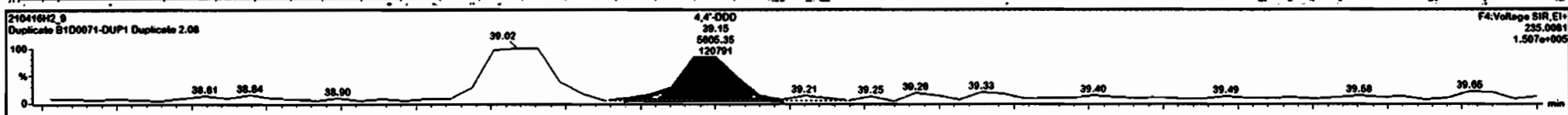
Targetlynx - 210416H2\_9.qld - Chromatogram

210416H2\_9\_B1D0071-DUP1 Duplicate 2.08 - Duplicate

Peak #	Name	Area	RA	Int	RRF	WtVal	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	11	6.34e4		NO	1.00	2.0000		34.18		1.001	YES			0.716	
12	12	6.34e4		NO	0.29	2.0000		34.68		1.016	YES			2.65	
13	13	4.98e2	3.97e4	3.11	YES	1.14	2.0000	35.00	35.07	1.001	1.001	NO	4.340	1.13	2.71
14	14		4.14e4		NO	1.06	2.0000		35.22		1.000	YES		1.07	
15	15		4.14e4		NO	1.16	2.0000		35.77		1.016	YES		0.970	
16	16		2.99e4		NO	1.23	2.0000		35.85		1.001	YES		1.30	
17	17	1.48e3	1.11e0	2.00	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.564	0.902	1.56
18	18	3.77e3	1.11e0	1.01	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.597	0.578	1.31
19	19	6.23e4	7.08e5	1.43	NO	1.04	2.0000	36.77	36.75	1.000	1.000	NO	40.81	0.894	40.8
20	20		8.31e4		NO	1.03	2.0000		37.30		1.001	YES		1.10	
21	21		5.27e4		NO	1.01	2.0000		38.70		1.001	YES		1.77	
22	22	2.51e2	3.53e4	0.25	YES	1.00	2.0000	38.94	38.93	1.000	1.000	NO	3.421	2.68	1.13
23	23		1.39e4		NO	1.07	2.0000		39.67		1.000	YES		6.49	
24	24	4.45e3	7.88e5	1.09	YES	1.07	2.0000	37.90	37.89	1.000	1.000	NO	2.551	1.45	2.18
25	25	2.04e4	3.01e5	1.22	NO	1.05	2.0000	39.82	39.60	1.000	1.000	NO	31.09	3.54	31.1
26	26	1.24e4	5.31e5	0.82	YES	1.10	2.0000	39.15	39.14	1.000	1.000	NO	9.832	1.91	7.58
27	27	6.75e4	1.96e5	1.46	NO	1.13	2.0000	40.20	40.23	1.000	1.001	NO	146.0	5.10	146
28	28		1.17e4		NO	1.04	2.0000		41.38		1.000	YES		7.75	
29	29		1.21e6		NO	1.22	2.0000		43.24		1.000	YES		7.30	
30	30		7.24e4		NO	1.03	2.0000		43.68		1.001	YES		2.30	

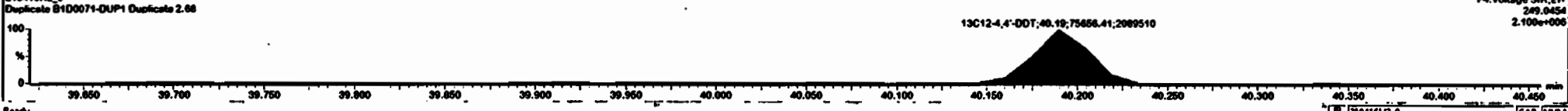
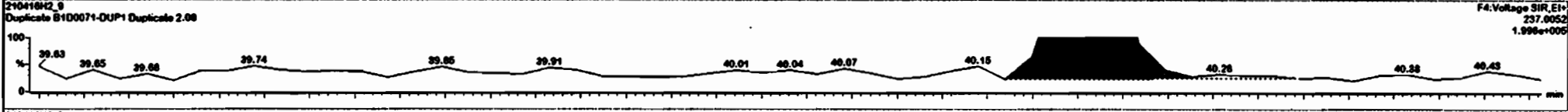
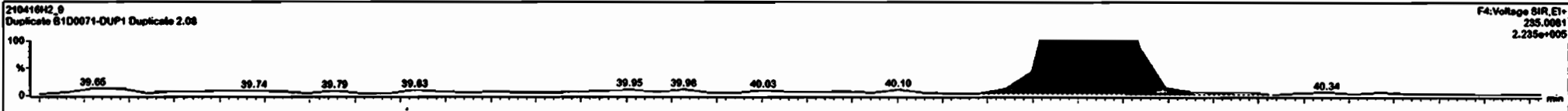


#	Name	Resp	AREA	RA	Hy	RRF	wt/wt	RT	Pred RT	RTT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide		6.34e4		NO	1.06	2.0000	34.18		1.001	1.001	YES			0.710	
12	trans-Heptachlor Epoxide		6.34e4		NO	0.29	2.0000	34.68		1.016	1.016	YES			2.65	
13	trans-Chlordane (gamma)	4.68e2	3.97e4	3.11	YES	1.14	2.0000	35.06	35.07	1.001	1.001	NO	4.346		1.13	2.71
14	trans-Nonachlor		4.14e4		NO	1.86	2.0000	35.22		1.000	1.000	YES			1.07	
15	cis-Chlordane		4.14e4		NO	1.16	2.0000	35.77		1.018	1.018	YES			0.970	
16	Endosulfan I (alpha)		2.99e4		NO	1.23	2.0000	35.85		1.001	1.001	YES			1.30	
17	4,4'-DDMU	1.48e3	1.11e4	2.00	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.564		0.982	1.58
18	2,4'-DDE	3.77e3	1.11e4	1.01	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.587		0.578	1.31
19	4,4'-DDE	6.23e4	7.08e4	1.43	NO	1.04	2.0000	36.77	36.75	1.000	1.000	NO	48.81		0.894	48.8
20	Dieldrin		8.31e4		NO	1.03	2.0000	37.30		1.001	1.001	YES			1.10	
21	Endrin		5.27e4		NO	1.01	2.0000	38.70		1.001	1.001	YES			1.77	
22	cis-Nonachlor	2.51e2	3.53e4	0.25	YES	1.00	2.0000	38.94	38.93	1.000	1.000	NO	3.421		2.68	1.13
23	Endosulfan II (beta)		1.39e4		NO	1.87	2.0000	39.67		1.000	1.000	YES			6.49	
24	2,4'-DDD	4.45e3	7.86e4	1.09	YES	1.87	2.0000	37.90	37.89	1.000	1.000	NO	2.551		1.45	2.18
25	2,4'-DDT	2.04e4	3.01e4	1.22	NO	1.05	2.0000	39.02	39.00	1.000	1.000	NO	31.09		3.54	31.1
26	4,4'-DDD	1.18e4	5.31e4	0.83	YES	1.16	2.0000	39.75	39.14	1.000	1.000	NO	8.042		1.01	7.18
27	4,4'-DDT	6.75e4	1.98e4	1.48	NO	1.13	2.0000	40.20	40.23	1.000	1.001	NO	148.9		5.10	148
28	Endosulfan Sulfate		1.17e4		NO	1.84	2.0000	41.38		1.000	1.000	YES			7.75	
29	4,4'-Methoxychlor		1.21e4		NO	1.22	2.0000	43.24		1.000	1.000	YES			7.38	
30	Hexachlor		7.24e4		NO	1.03	2.0000	43.88		1.001	1.001	YES			2.38	





#	Name	Resp	SAREA	RA	Qty	RRF	WWSI	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide		6.34e4		NO	1.08	2.0000	34.18			1.001	YES			0.716	
12	trans-Heptachlor Epoxide		6.34e4		NO	0.29	2.0000	34.68			1.016	YES			2.65	
13	trans-Chlordane (gamma)	4.89e2	3.97e4	3.11	YES	1.14	2.0000	35.66	35.07	1.001	1.001	NO	4.346		1.13	2.71
14	trans-Nonachlor		4.14e4		NO	1.86	2.0000				1.800	YES			1.97	
15	cis-Chlordane		4.14e4		NO	1.16	2.0000				1.016	YES			0.970	
16	Endosulfan I (alpha)		2.99e4		NO	1.23	2.0000				1.001	YES			1.30	
17	4,4'-DDMU	1.48e3	1.11e6	2.09	NO		2.0000	35.48	35.47	0.994	0.994	NO	1.564		0.982	1.58
18	2,4'-DDE	3.77e3	1.11e6	1.01	YES	1.02	2.0000	35.70	35.69	1.000	1.000	NO	1.597		0.578	1.31
19	4,4'-DDE	6.23e4	7.08e5	1.43	NO	1.84	2.0000	36.77	36.75	1.000	1.000	NO	48.61		0.894	48.8
20	Dieldrin		8.31e4		NO	1.03	2.0000				1.001	YES			1.10	
21	Endrin		5.27e4		NO	1.01	2.0000				1.001	YES			1.77	
22	cis-Nonachlor	2.51e2	3.53e4	0.25	YES	1.00	2.0000	38.94	38.93	1.000	1.000	NO	3.421		2.90	1.13
23	Endosulfan II (beta)		1.39e4		NO	1.07	2.0000				1.000	YES			6.49	
24	2,4'-DDD	4.45e3	7.86e5	1.09	YES	1.07	2.0000	37.90	37.89	1.000	1.000	NO	2.551		1.45	2.18
25	2,4'-DDT	2.84e4	3.01e5	1.22	NO	1.05	2.0000	39.82	39.80	1.000	1.000	NO	31.09		3.54	31.1
26	4,4'-DDD	1.16e4	5.31e5	0.93	YES	1.16	2.0000	39.15	39.14	1.000	1.000	NO	0.042		1.91	7.18
27	4,4'-DDT	6.67e4	1.86e5	1.48	NO	1.13	2.0000	40.20	40.23	1.000	1.001	NO	144.2		5.10	144
28	Endosulfan Sulfate		1.17e4		NO	1.04	2.0000				1.000	YES			7.75	
29	4,4'-Methoxychlor		1.21e6		NO	1.22	2.0000				1.000	YES			7.30	
30	Mirex		7.24e4		NO	1.83	2.0000				1.001	YES			2.30	



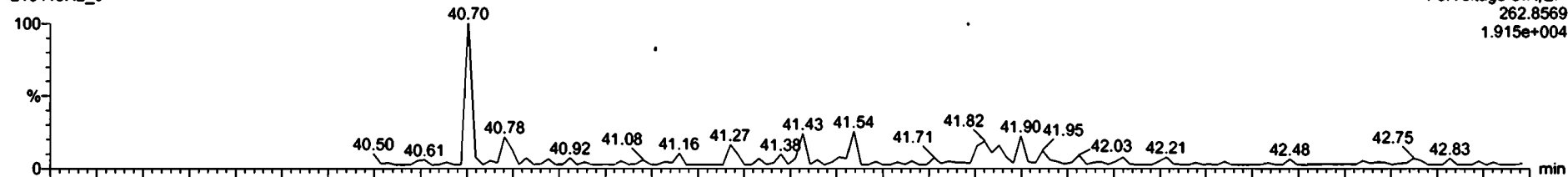
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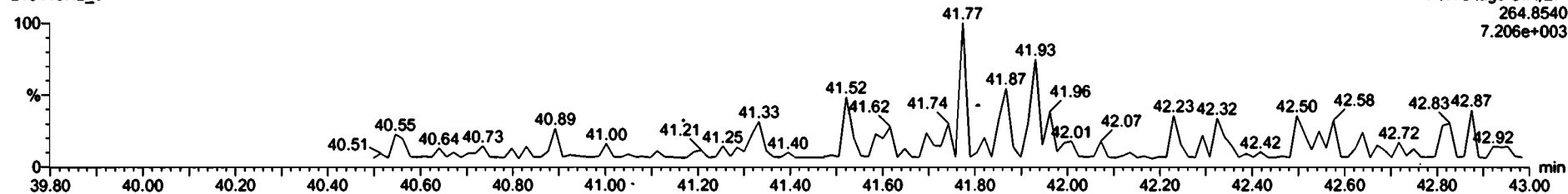
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Endosulfan Sulfate

210416H2\_9

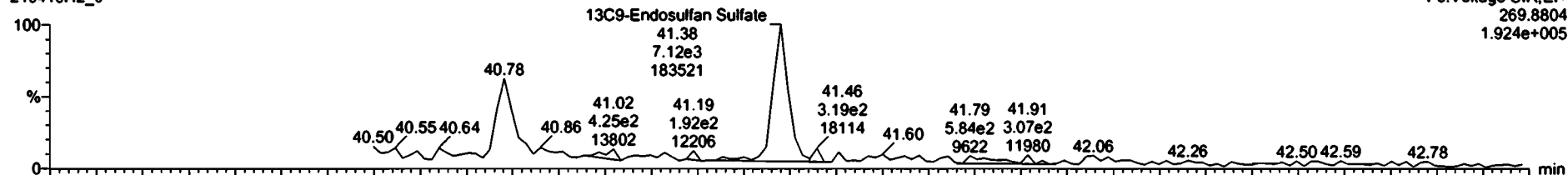


210416H2\_9

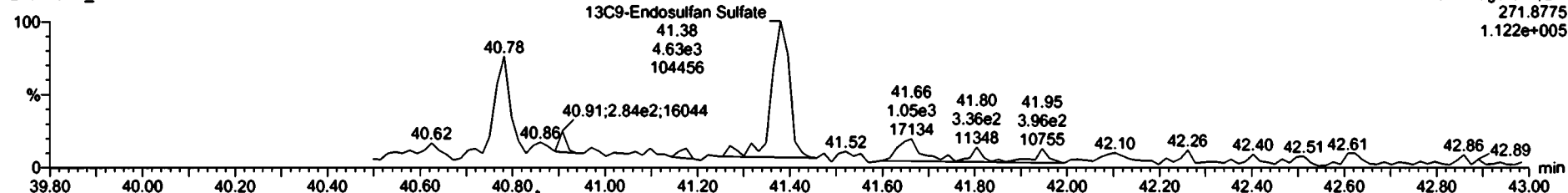


13C9-Endosulfan Sulfate

210416H2\_9



210416H2\_9



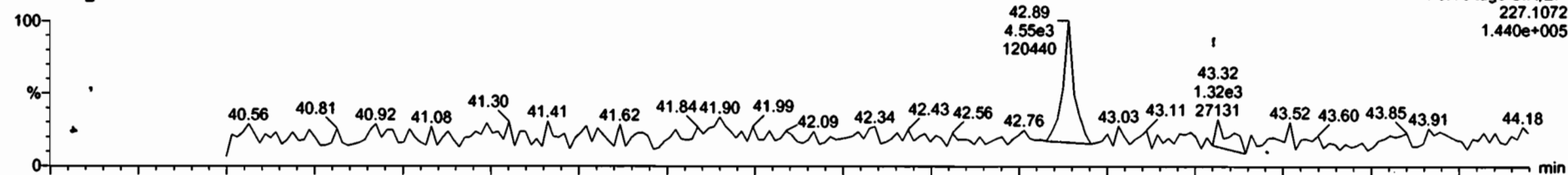
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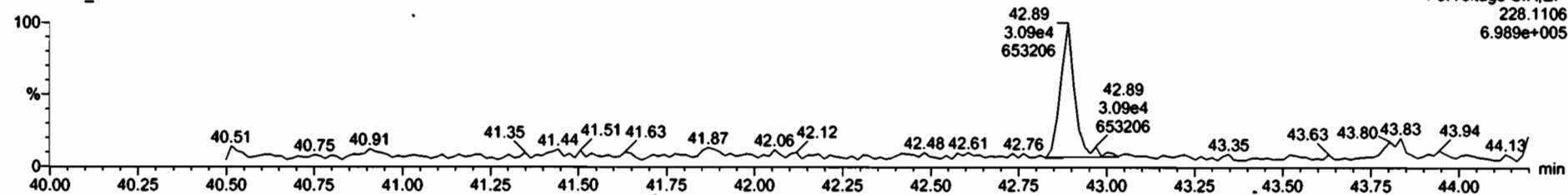
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4,4'-Methoxychlor

210416H2\_9

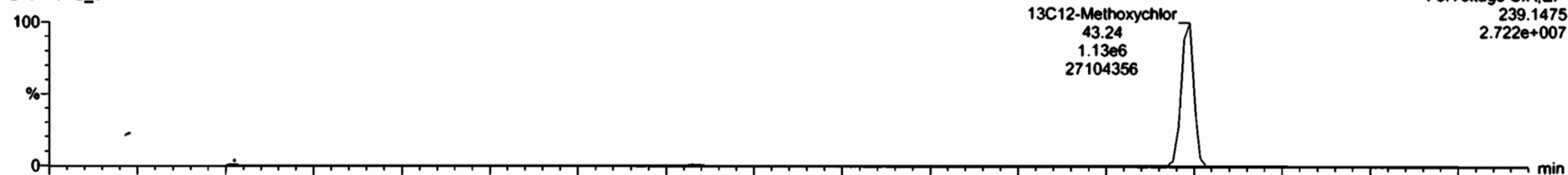


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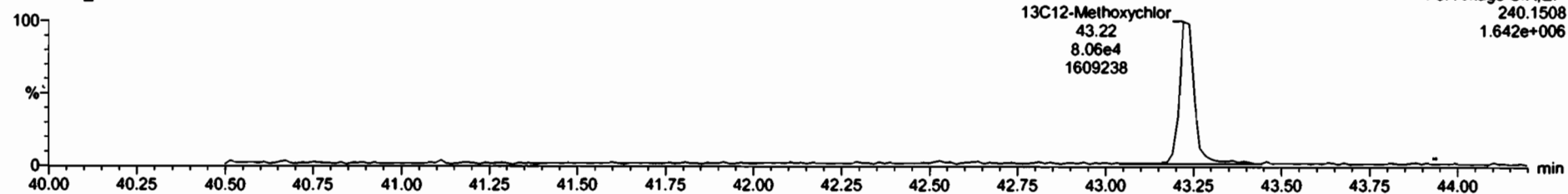


13C12-Methoxychlor

210416H2\_9



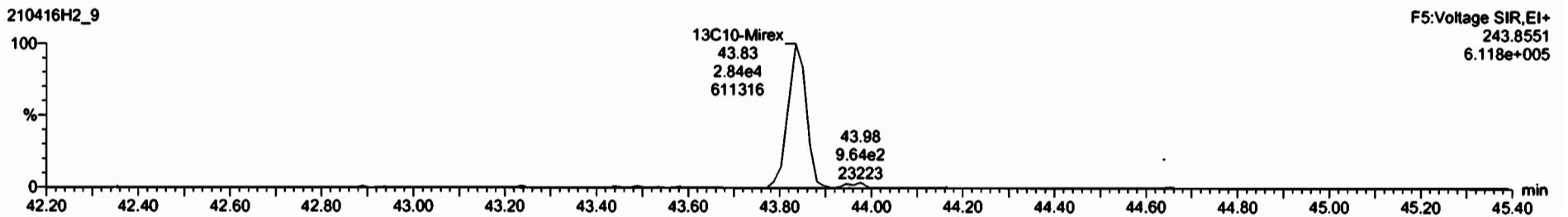
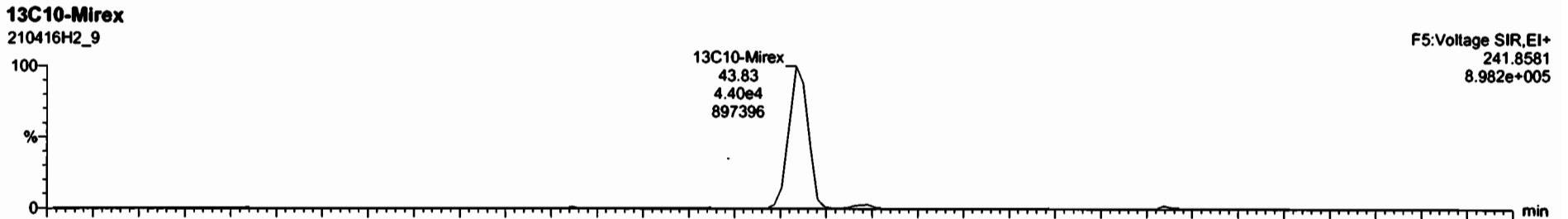
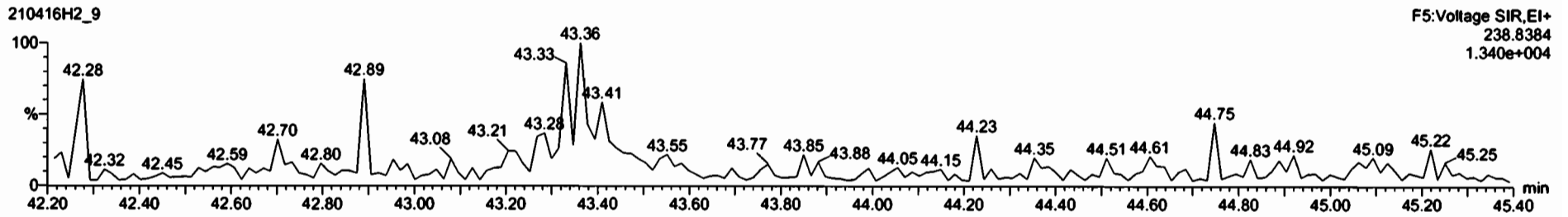
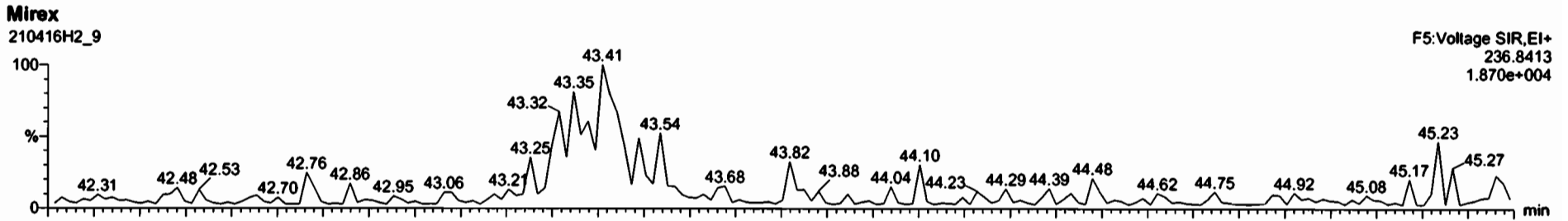
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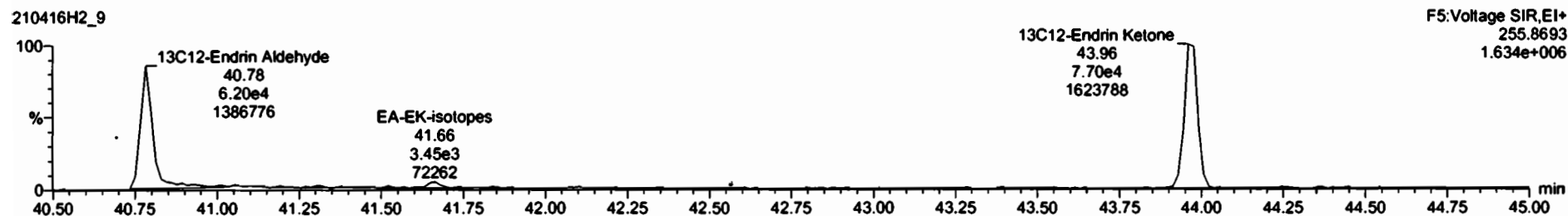
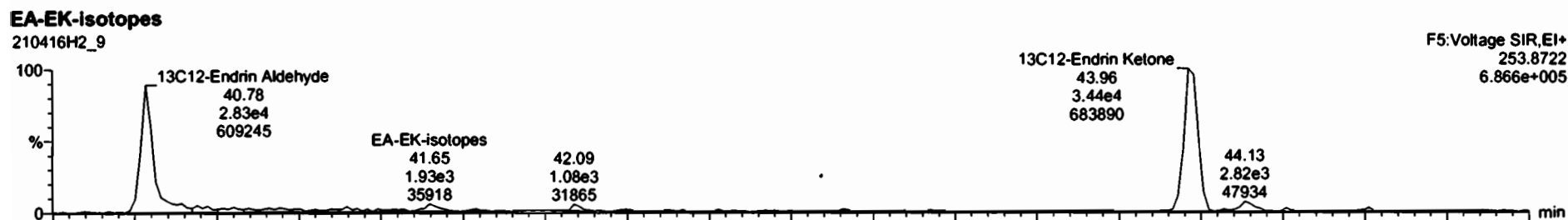
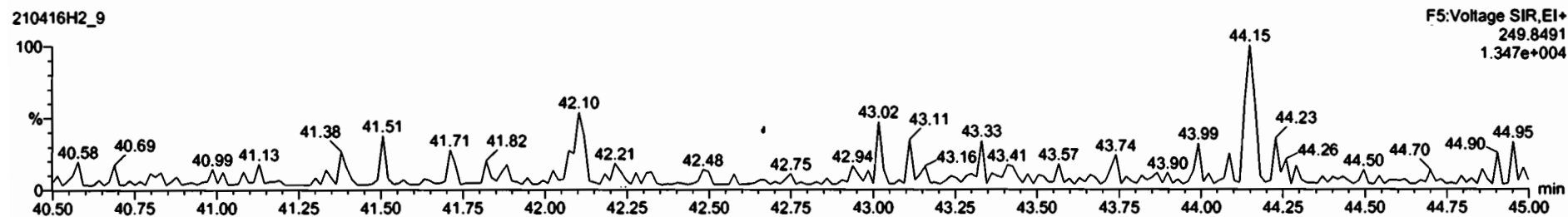
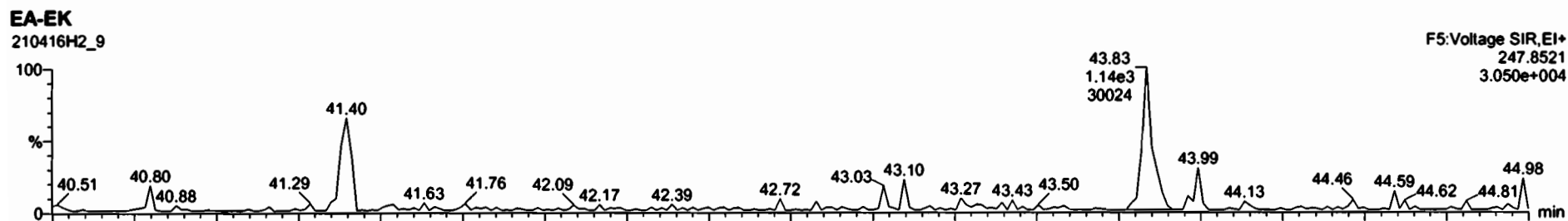
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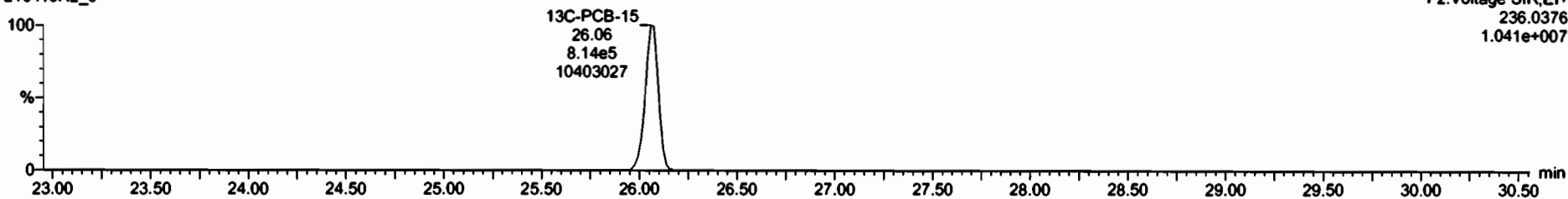
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13C-PCB-15

210416H2\_9



210416H2\_9

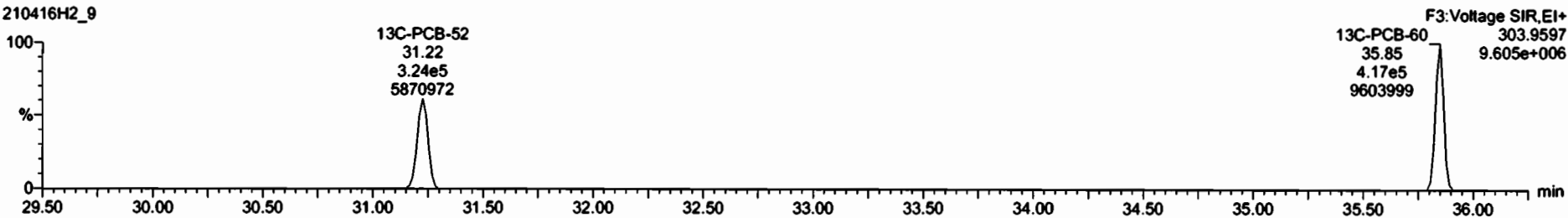


13C-PCB-60

210416H2\_9



210416H2\_9



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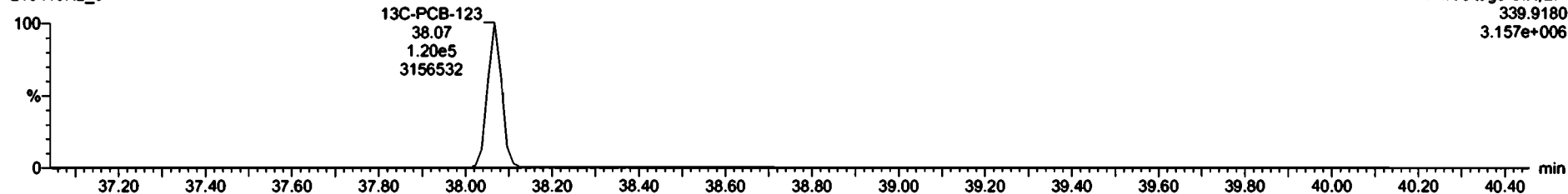
**13C-PCB-123**

210416H2\_9



F4:Voltage SIR,EI+  
337.9210  
5.240e+006

210416H2\_9



F4:Voltage SIR,EI+  
339.9180  
3.157e+006

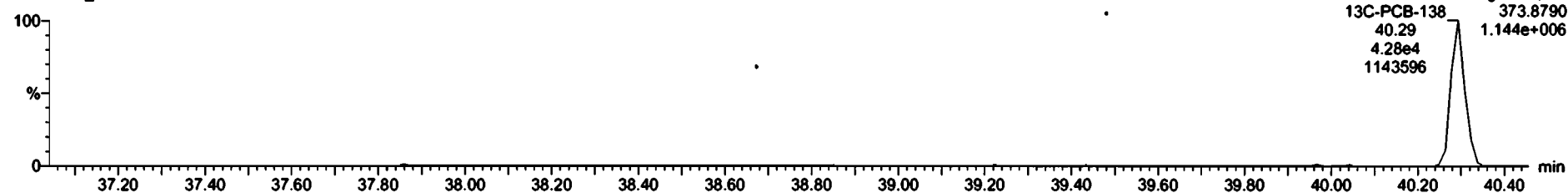
**13C-PCB-138**

210416H2\_9



F4:Voltage SIR,EI+  
371.8820  
1.519e+006

210416H2\_9



F4:Voltage SIR,EI+  
373.8790  
1.144e+006

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

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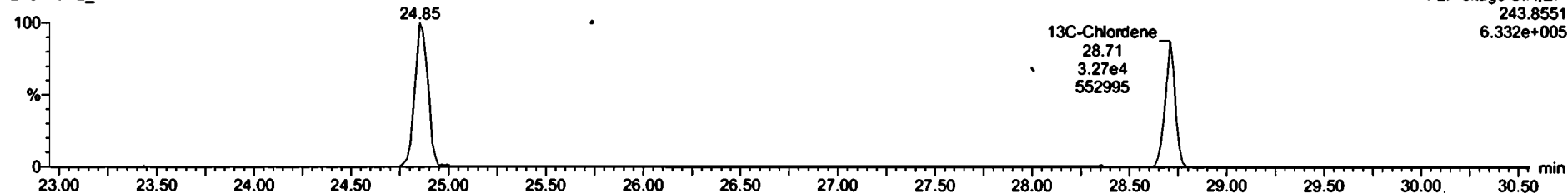
13C-Chlordene

210416H2\_9



F2:Voltage SIR,EI+  
241.8581  
1.036e+006

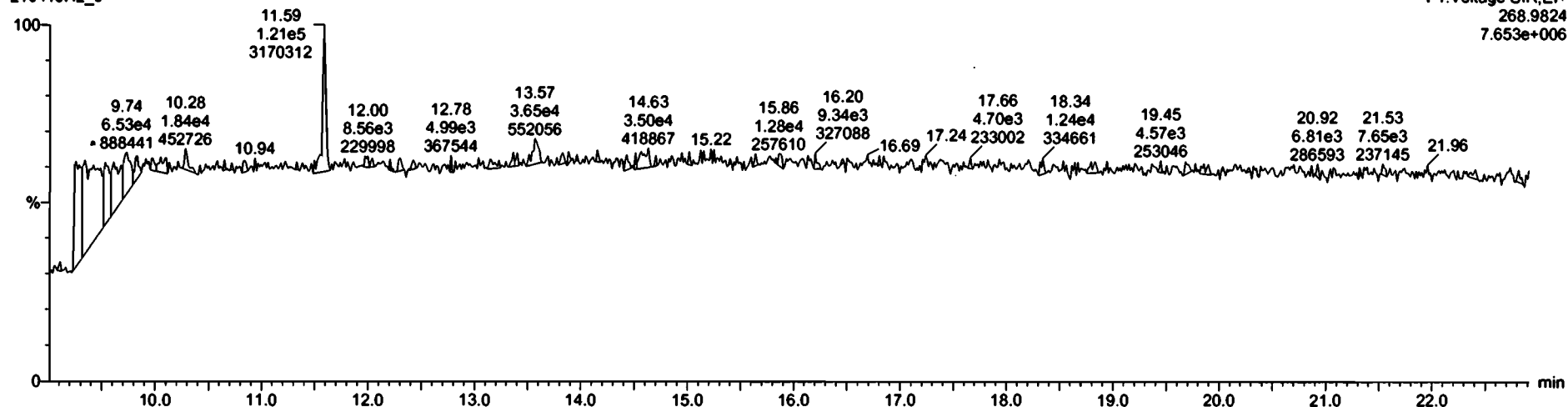
210416H2\_9



F2:Voltage SIR,EI+  
243.8551  
6.332e+005

PFK1

210416H2\_9



F1:Voltage SIR,EI+  
268.9824  
7.653e+006



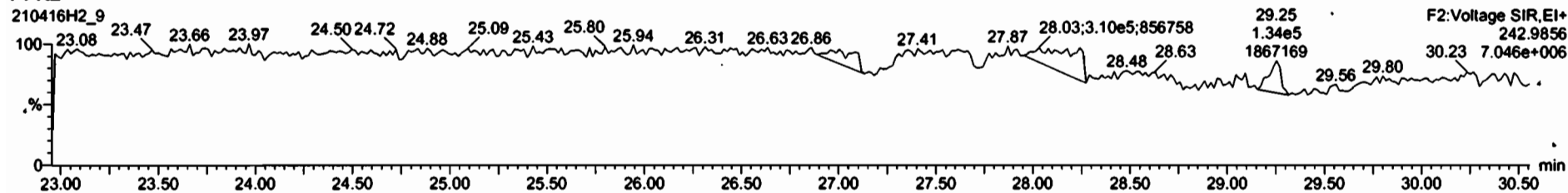
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

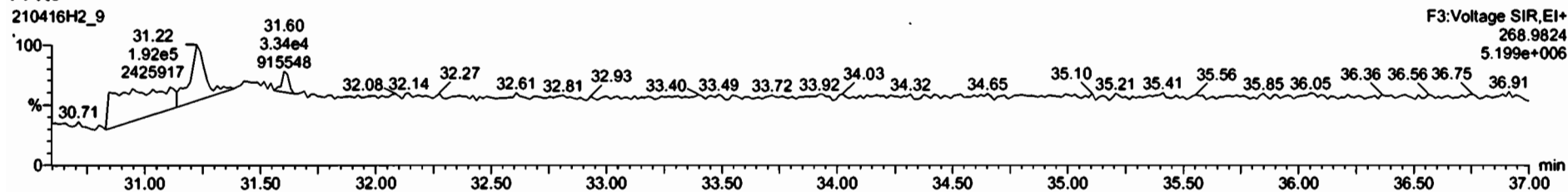
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_9, Date: 16-Apr-2021, Time: 17:18:13, ID: B1D0071-DUP1 Duplicate 2.08, Description: Duplicate

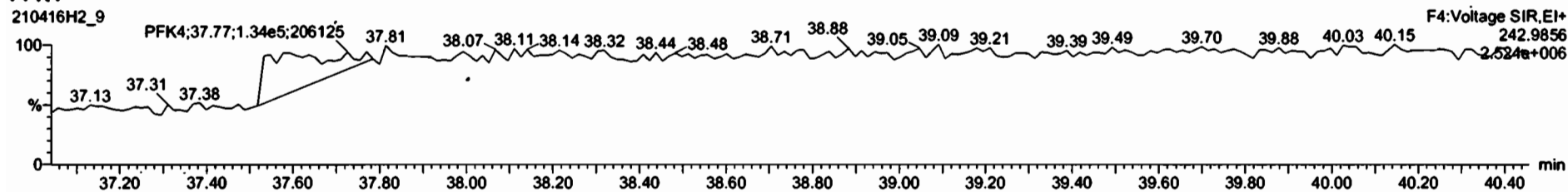
PFK2



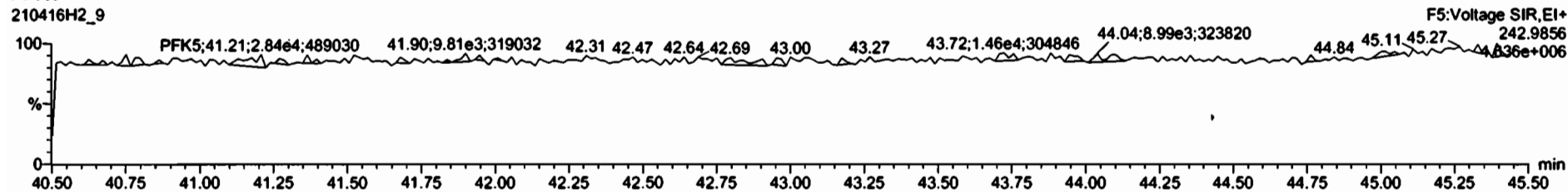
PFK3



PFK4



PFK5



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_10.qld

Last Altered: Tuesday, April 20, 2021 17:21:09 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 17:21:55 Pacific Daylight Time

*OC 04/26/21*  
*DE 04/20/21*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

*C 104/26/2021*

Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...		4.24e5		NO	0.860	1.831			1.000	YES			0.829	
2	9 Aldrin		1.51e4		NO	1.09	1.831			1.001	YES			5.53	322 <i>OX</i>
3	10 Oxychlorane		6.77e4		NO	1.06	1.831			1.001	YES			1.16	
4	13 trans-Chlordane (g...		5.19e4		NO	1.14	1.831			1.001	YES			1.36	
5	14 trans-Nonachlor		5.29e4		NO	1.06	1.831			1.000	YES			1.45	
6	15 cis-Chlordane		5.29e4		NO	1.16	1.831			1.016	YES			1.32	
7	18 2,4'-DDE		1.60e6		NO	1.02	1.831			1.000	YES			0.606	
8	19 4,4'-DDE		1.01e6		NO	1.04	1.831			1.000	YES			0.906	
9	20 Dieldrin		1.00e5		NO	1.03	1.831			1.001	YES			1.60	
10	22 cis-Nonachlor		4.84e4		NO	1.00	1.831			1.000	YES			3.42	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_10.qld

Last Altered: Tuesday, April 20, 2021 17:21:09 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 17:22:02 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD		1.00e6		NO	1.07	1.831			1.000	YES			1.32	
2	25 2,4'-DDT		3.45e5		NO	1.05	1.831			1.000	YES			3.72	
3	26 4,4'-DDD		6.74e5		NO	1.16	1.831			1.000	YES			1.83	
4	27 4,4'-DDT		2.37e5		NO	1.13	1.831			1.001	YES			5.12	
5	36 13C8-Lindane (ga...	4.24e5	2.61e6	0.78	NO	0.194	1.831	26.57	1.019	1.019	NO	458.98	84.0	2.39	
6	40 13C12-Aldrin	1.51e4	2.61e6	1.44	NO	0.154	1.831	30.80	1.181	1.181	NO	20.603	3.77	0.942	- see RX
7	41 13C10-Oxychlorda...	6.77e4	2.61e6	1.47	NO	0.0404	1.831	33.35	1.279	1.280	NO	350.84	64.2	3.59	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_10.qld

Last Altered: Tuesday, April 20, 2021 17:21:09 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 17:22:10 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312, Task: ST210416H2\_1

	#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43	13C10-trans-Chlor...	5.19e4	2.61e6	1.59	NO	0.0358	1.831	35.03	1.344	1.344	NO	303.82	55.6	4.05	
2	44	13C10-trans-Nona...	5.29e4	1.03e6	1.65	NO	0.0638	1.831	35.22	0.982	0.983	NO	439.57	80.5	3.19	
3	46	13C12-2,4'-DDE	1.60e6	1.03e6	1.59	NO	1.43	1.831	35.69	0.996	0.995	NO	592.37	108	0.980	
4	47	13C12-4,4'-DDE	1.01e6	1.03e6	1.59	NO	0.995	1.831	36.77	1.026	1.026	NO	539.91	98.9	1.41	
5	48	13C12-Dieldrin	1.00e5	1.03e6	1.63	NO	0.146	1.831	37.26	1.039	1.040	NO	363.23	66.5	6.06	
6	50	13C10-cis-Nonach...	4.84e4	1.03e6	1.59	NO	0.0791	1.831	38.94	1.086	1.087	NO	324.04	59.3	11.2	
7	52	13C12-2,4'-DDD	1.00e6	1.03e6	1.59	NO	1.35	1.831	37.89	1.057	1.057	NO	391.89	71.8	0.958	
8	53	13C12-2,4'-DDT	3.45e5	1.03e6	1.64	NO	0.962	1.831	39.00	1.088	1.089	NO	190.29	34.8	1.35	
9	54	13C12-4,4'-DDD	6.74e5	1.03e6	1.58	NO	1.12	1.831	39.13	1.092	1.092	NO	318.01	58.2	1.15	
10	55	13C12-4,4'-DDT	2.37e5	1.03e6	1.64	NO	0.735	1.831	40.19	1.121	1.122	NO	171.23	31.4	1.76	
11	62	13C-PCB-15	2.61e6	2.61e6	1.56	NO	1.00	1.831	26.07	1.000	1.000	NO	546.11	100	0.277	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_10.qld

Last Altered: Tuesday, April 20, 2021 17:21:09 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 17:22:12 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312,  
Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	1.03e6	1.03e6	0.80	NO	1.00	1.831	35.85	1.000	1.000	NO	546.11	100	0.513	

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

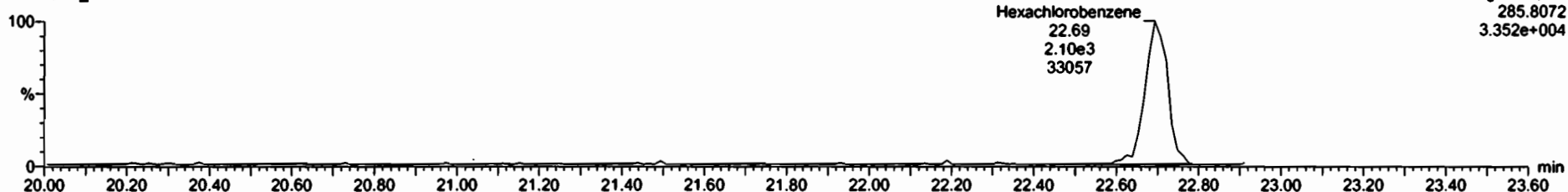
Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

**Hexachlorobenzene**

210416H2\_10



210416H2\_10

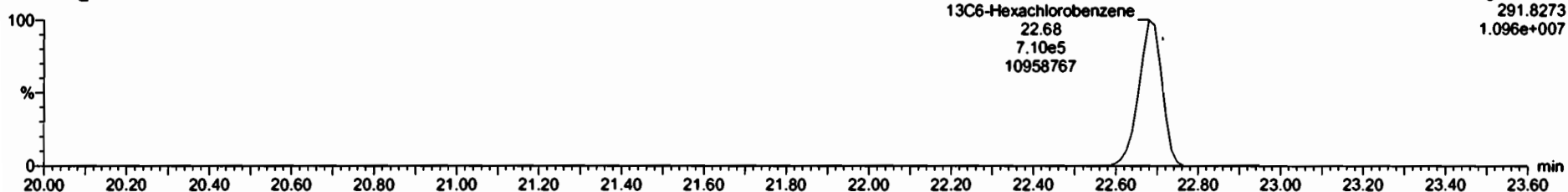


**13C6-Hexachlorobenzene**

210416H2\_10



210416H2\_10

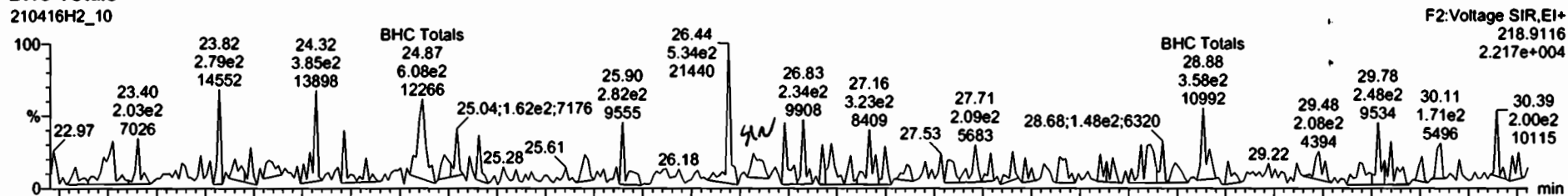


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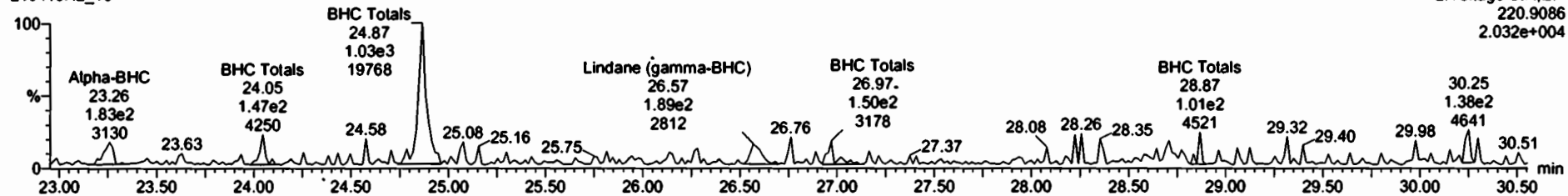
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

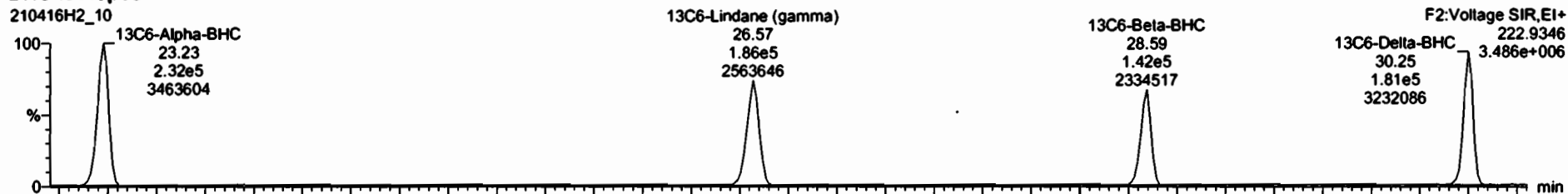
**BHC Totals**



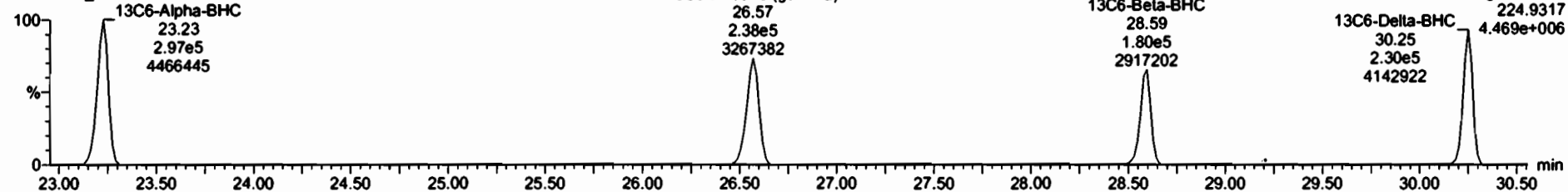
210416H2\_10



**BHC-isotopes**



210416H2\_10

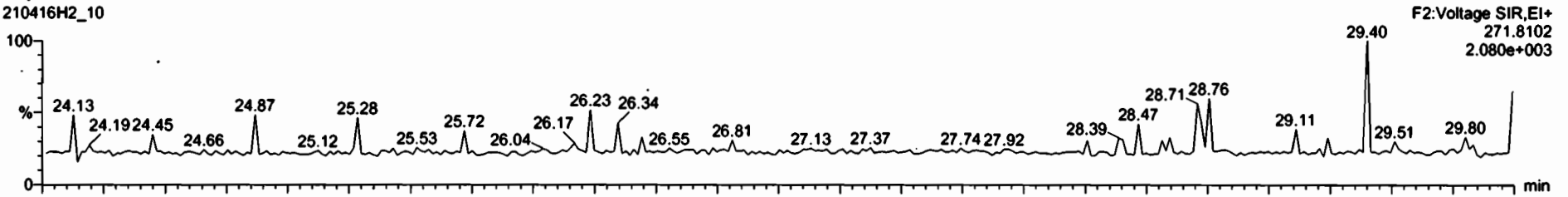


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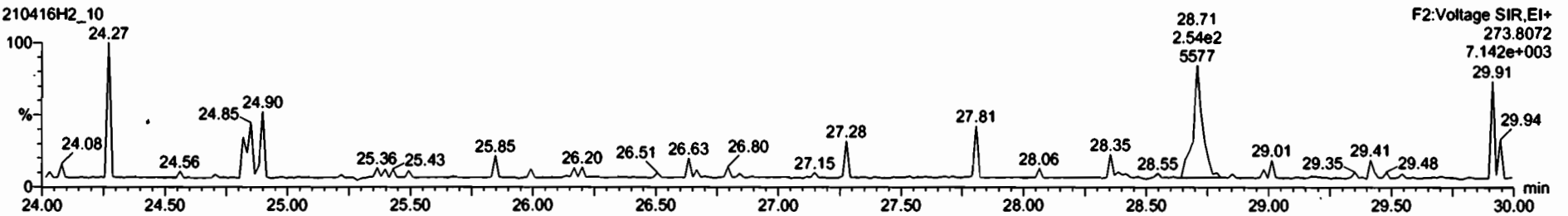
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

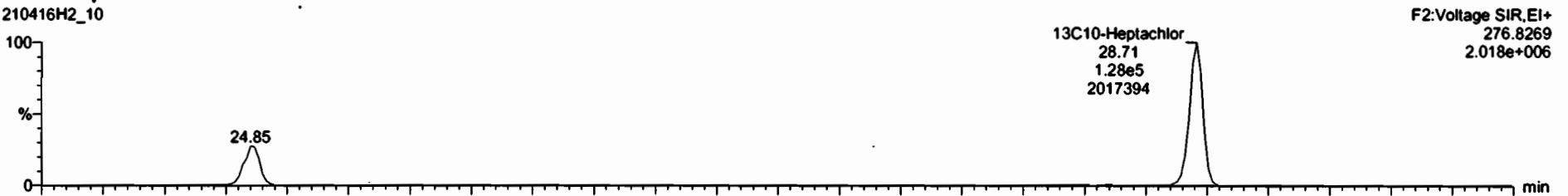
**Heptachlor**  
210416H2\_10



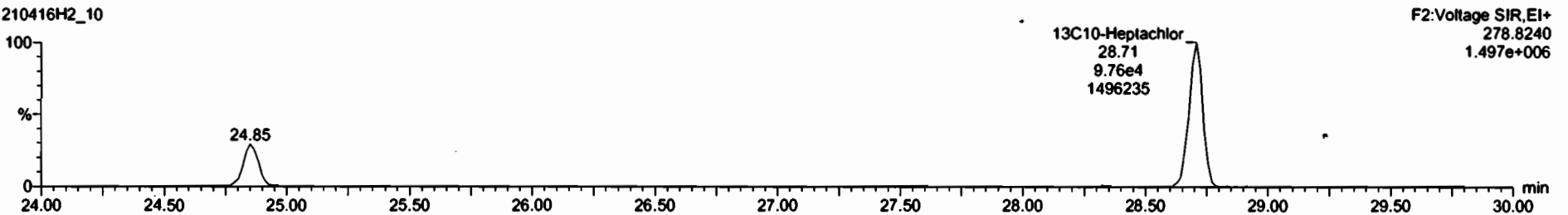
210416H2\_10



**13C10-Heptachlor**  
210416H2\_10



210416H2\_10





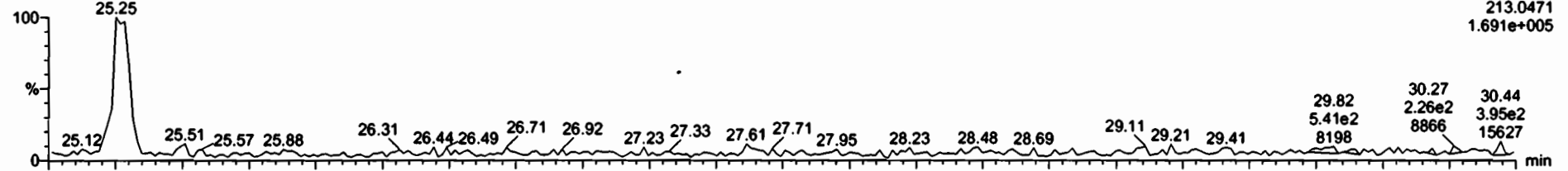
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

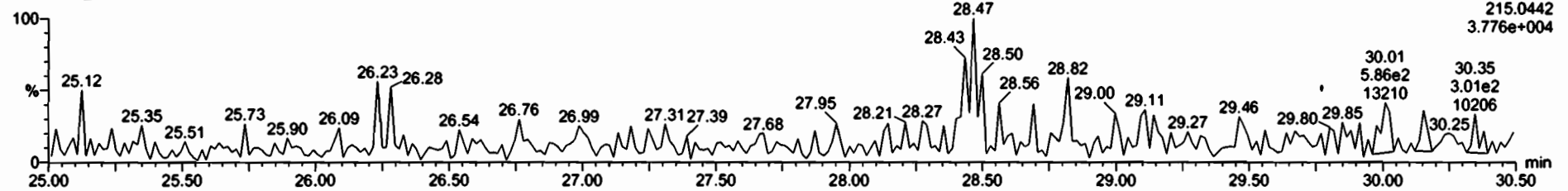
Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

4,4'-DDNU

210416H2\_10

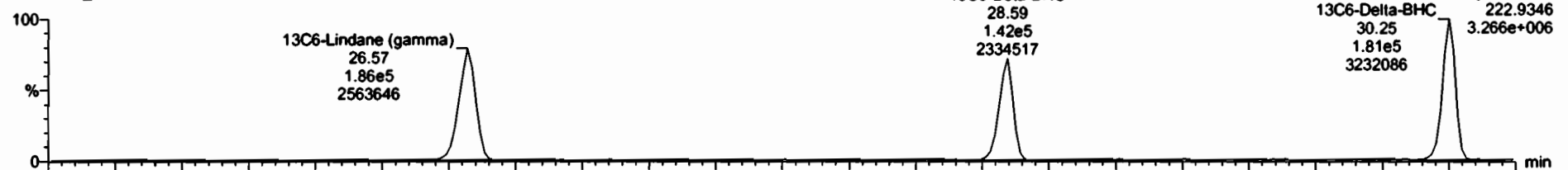


210416H2\_10

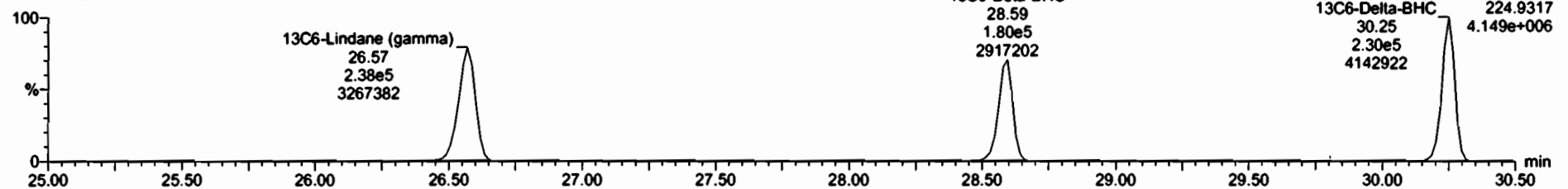


13C6-Delta-BHC

210416H2\_10



210416H2\_10



Dataset: Untitled

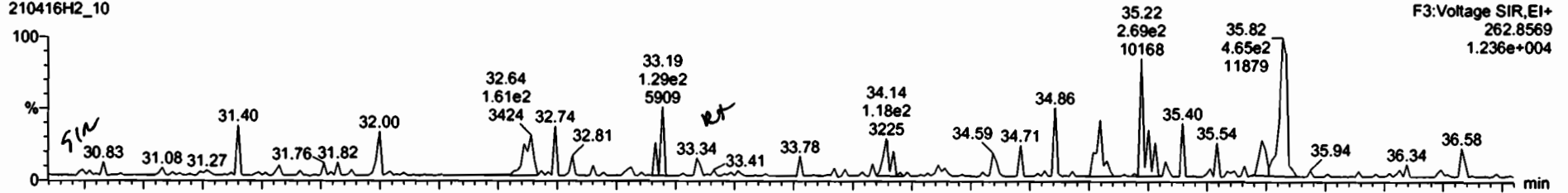
Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

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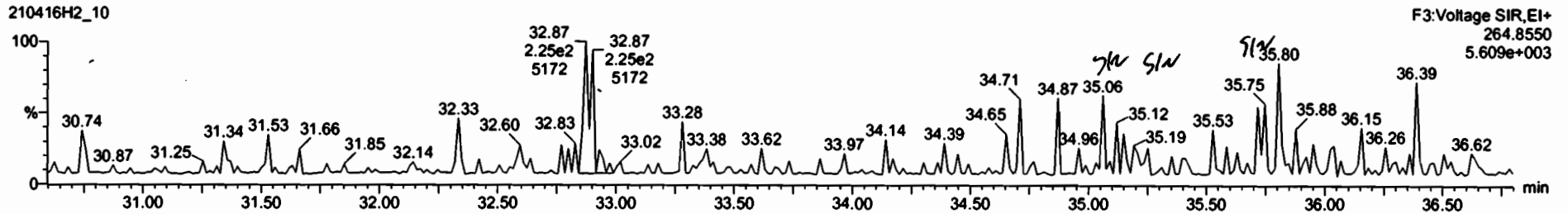
Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

**Aldrin-EI**

210416H2\_10

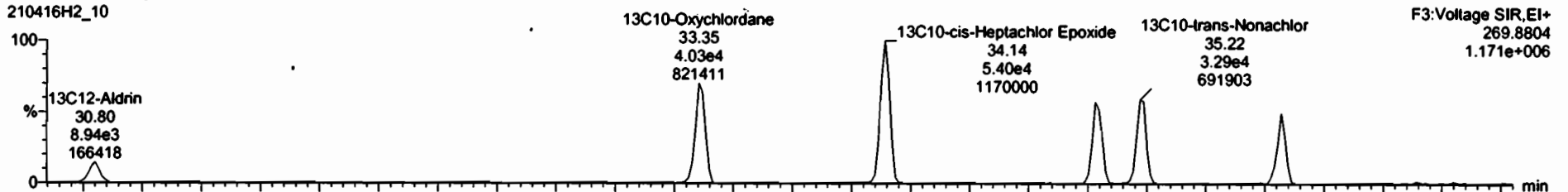


210416H2\_10

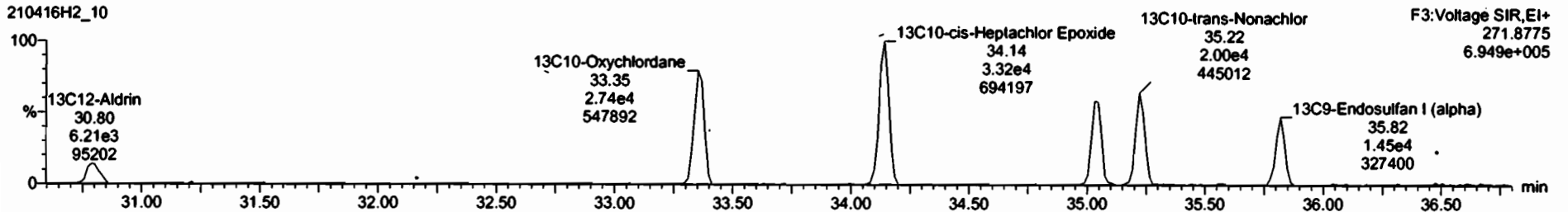


**Aldrin-EI-isotopes**

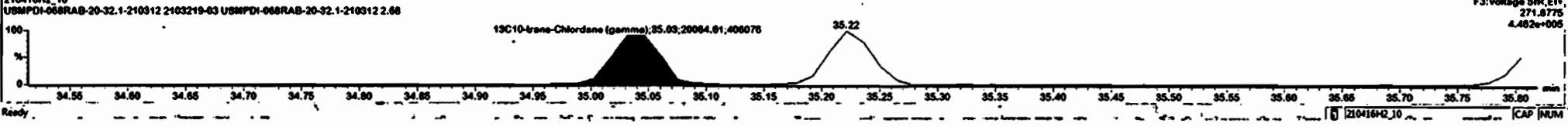
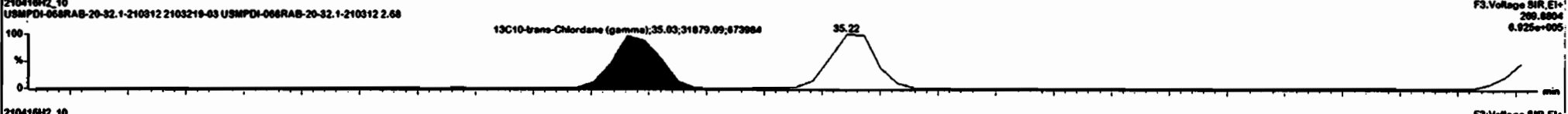
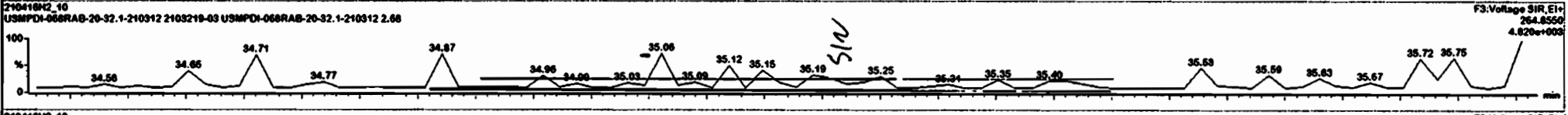
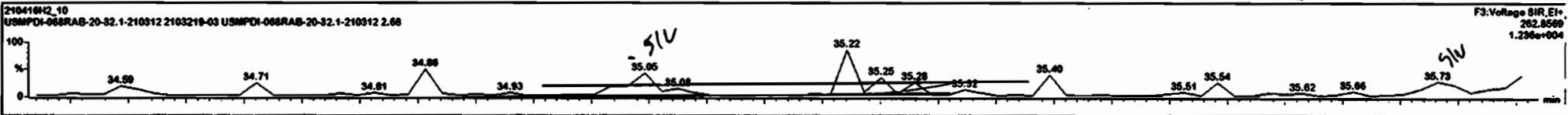
210416H2\_10



210416H2\_10



#	Name	Resp	ISAREA	RA	My	RP	WtWtd	RT	Prod RT	RRT	Prod RRT	Chckd RRT	CARC	MRGC	DL	EMPC
1	Hexachlorobutadiene	2.05e4	2.00e6	0.28	YES	0.10	1.8311	9.98	9.99	1.001	1.002	NO	530.6		0.741	207
2	Hexachlorobenzene	4.86e3	1.82e6	1.31	NO	0.98	1.8311	22.69	22.69	1.001	1.000	NO	1.661		0.0133	1.88
3	Alpha-BHC	6.25e2	5.29e5	2.42	NO	0.83	1.8311	23.27	23.26	1.002	1.001	NO	0.7799		0.630	0.780
4	Lindane (gamma-BHC)		4.24e5		NO	0.86	1.8311		28.58		1.000	YES			0.829	
5	Beta-BHC		3.22e5		NO	1.00	1.8311		28.62		1.001	YES			0.790	
6	Delta-BHC		4.11e5		NO	0.91	1.8311		30.28		1.001	YES			0.828	
7	Heptachlor		2.26e5		NO	1.10	1.8311		28.74		1.001	YES			0.170	
8	4,4'-DDMU	4.16e2	4.11e5	0.38	YES	1.25	1.8311	30.19	30.19	0.998	0.998	NO	0.4418		1.19	0.160
9	Alrin		1.51e4		NO	1.89	1.8311		30.83		1.001	YES			5.53	
10	Oryzthrene		6.77e4		NO	1.86	1.8311		33.39		1.001	YES			1.18	
11	cis-Heptachlor Epoxide		8.72e4		NO	1.06	1.8311		34.18		1.001	YES			0.837	
12	trans-Heptachlor Epoxide		8.72e4		NO	0.29	1.8311		34.68		1.018	YES			3.10	
13	trans-Chlordane (gamma)		5.19e4		NO	1.14	1.8311		35.07		1.001	YES			1.38	
14	trans-Nonachlor		5.29e4		NO	1.86	1.8311		35.22		1.000	YES			1.45	
15	cis-Chlordane		5.28e4		NO	1.16	1.8311		35.77		1.018	YES			1.32	
16	Endosulfan I (alpha)		3.02e4		NO	1.23	1.8311		35.85		1.001	YES			1.48	
17	4,4'-DDMU	1.02e3	1.00e6	1.68	YES		1.8311	35.44	35.47	0.993	0.994	NO	1.595		0.967	1.32
18	2,4'-DDE	1.85e3	1.00e6	0.29	YES	1.02	1.8311	35.60	35.69	0.998	1.000	NO	0.5495		0.608	0.201
19	4,4'-DDE	4.36e3	1.01e6	0.79	YES	1.04	1.8311	36.80	36.77	1.001	1.000	NO	2.288		0.908	1.64
20	Dieldrin		1.00e5		NO	1.83	1.8311		37.30		1.001	YES			1.60	



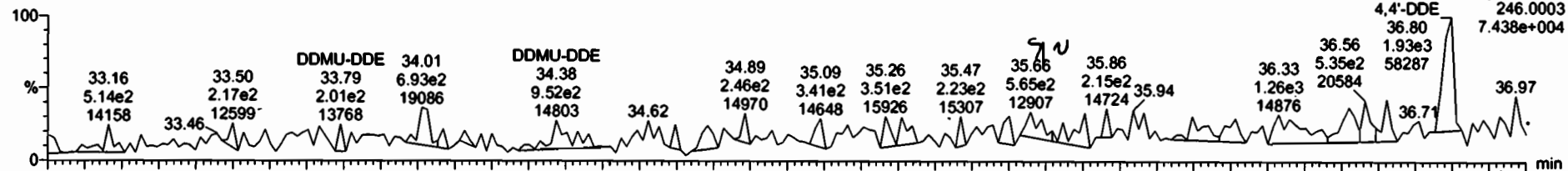
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

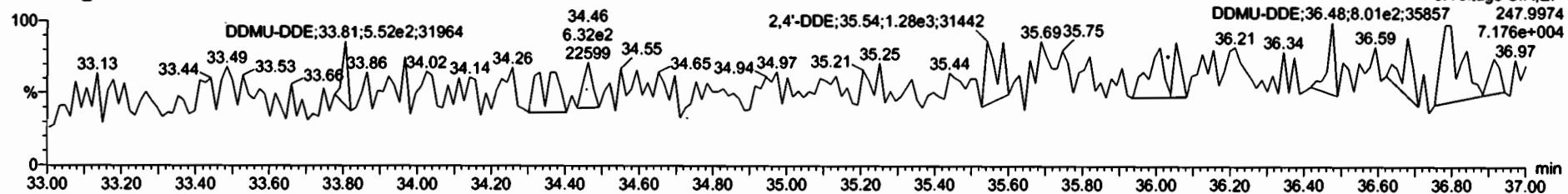
Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

DDMU-DDE

210416H2\_10



210416H2\_10

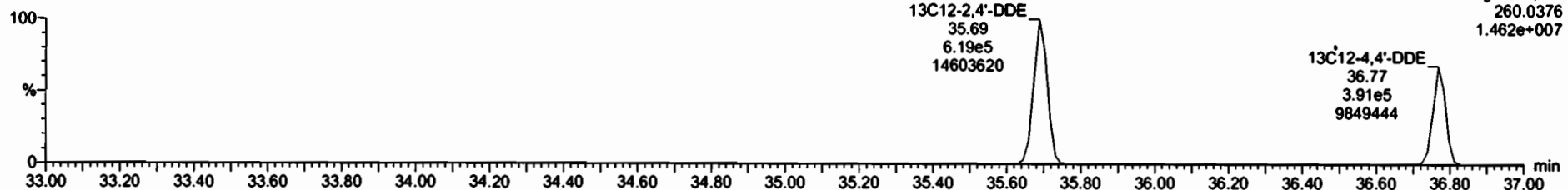


DDE-isotopes

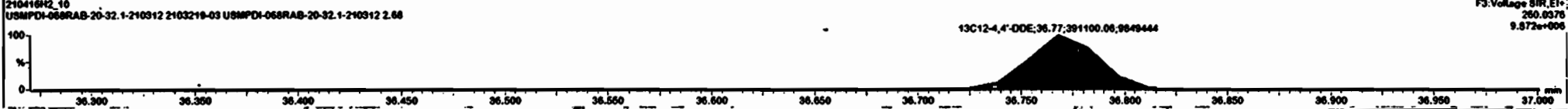
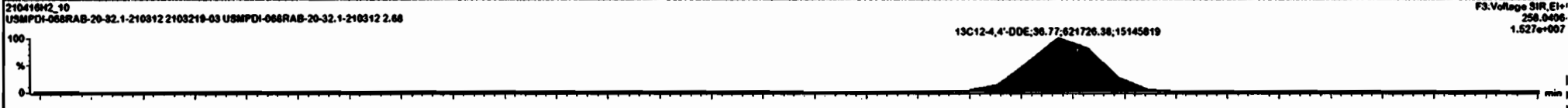
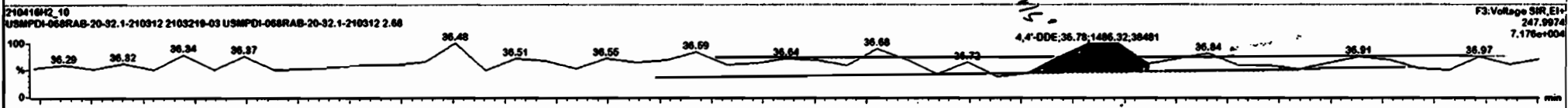
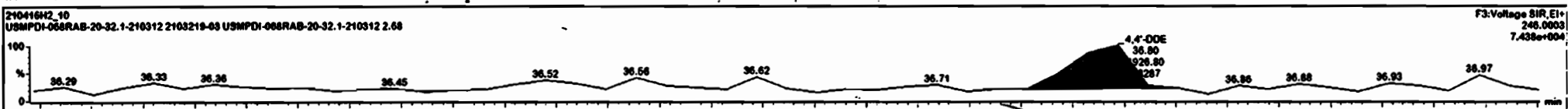
210416H2\_10



210416H2\_10



#	Name	Resp	SAREA	RA	dy	RRF	w/w%	RT	Prod RT	RRT	Prod RRT	Check RRT	Canc	%Rec	DL	EMPC
1	Hexachlorobutadiene	2.95e4	2.00e8	0.28	YES	0.10	1.8311	9.98	9.99	1.001	1.002	NO	530.8		0.741	207
2	Hexachlorobenzene	4.86e3	1.62e8	1.31	NO	0.98	1.8311	22.69	22.69	1.001	1.000	NO	1.861		0.0133	1.86
3	Alpha-BHC	6.25e2	5.29e5	2.42	NO	0.83	1.8311	23.27	23.26	1.002	1.001	NO	0.7799		0.639	0.780
4	Lindane (gamma-BHC)		4.24e5		NO	0.96	1.8311		26.58		1.000	YES			0.829	
5	Beta-BHC		3.22e5		NO	1.00	1.8311		28.62		1.001	YES			0.780	
6	Delta-BHC		4.11e5		NO	0.91	1.8311		34.28		1.001	YES			0.626	
7	Heptachlor		2.28e5		NO	1.10	1.8311		28.74		1.001	YES			0.170	
8	4,4'-DDU	4.16e2	4.11e5	0.36	YES	1.25	1.8311	30.19	30.19	0.998	0.998	NO	0.4418		1.19	0.160
9	Aldrin		1.51e4		NO	1.09	1.8311		36.83		1.001	YES			5.53	
10	Onychiodane		6.77e4		NO	1.06	1.8311		33.39		1.001	YES			1.18	
11	cis-Heptachlor Epoxide		8.72e4		NO	1.06	1.8311		34.18		1.001	YES			0.837	
12	trans-Heptachlor Epoxide		8.72e4		NO	0.29	1.8311		34.68		1.018	YES			3.10	
13	trans-Chlordane (gamma)		5.19e4		NO	1.14	1.8311		35.07		1.001	YES			1.38	
14	trans-Nonachlor		5.29e4		NO	1.06	1.8311		35.22		1.000	YES			1.45	
15	cis-Chlordane		5.29e4		NO	1.16	1.8311		35.77		1.016	YES			1.32	
16	Endosulfan I (alpha)		3.82e4		NO	1.23	1.8311		35.85		1.001	YES			1.49	
17	4,4'-DDU	1.92e3	1.00e6	1.65	YES		1.8311	35.44	35.47	0.993	0.994	NO	1.595		0.987	1.32
18	2,4'-DDE		1.00e6		NO	1.02	1.8311		35.69		1.000	YES			0.608	
19	4,4'-DDE	3.41e3	1.01e6	1.30	NO	1.04	1.8311	36.88	36.77	1.001	1.000	NO	1.773		0.908	1.77
20	Dieldrin		1.00e5		NO	1.03	1.8311		37.30		1.001	YES			1.60	



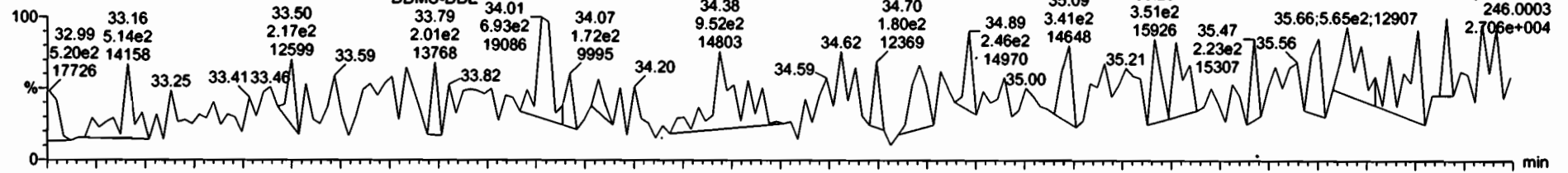
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

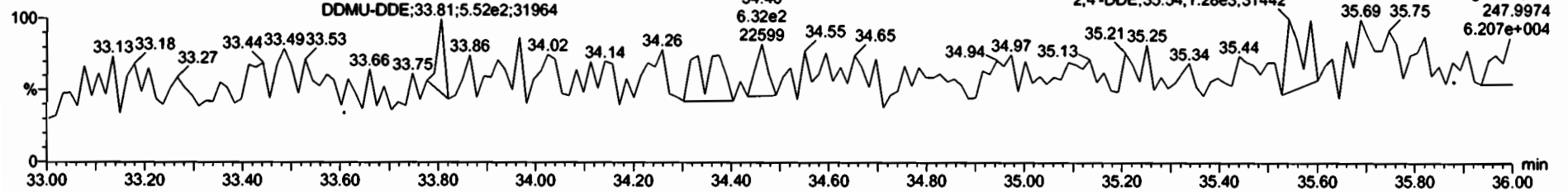
Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

2,4'-DDE

210416H2\_10

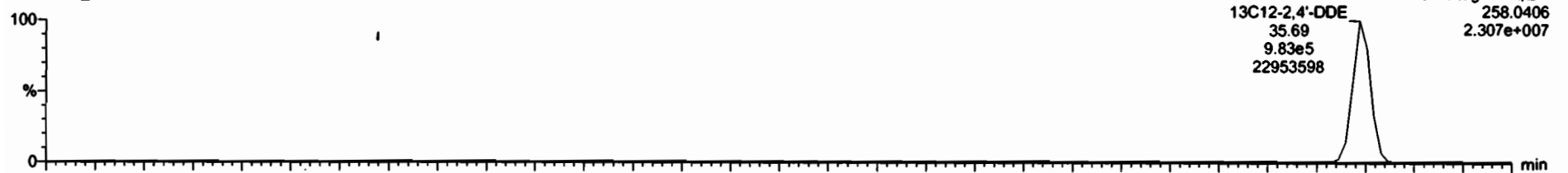


210416H2\_10

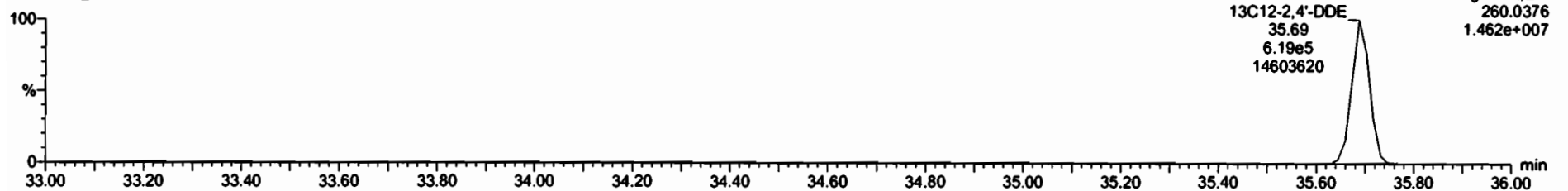


13C12-2,4'-DDE

210416H2\_10



210416H2\_10

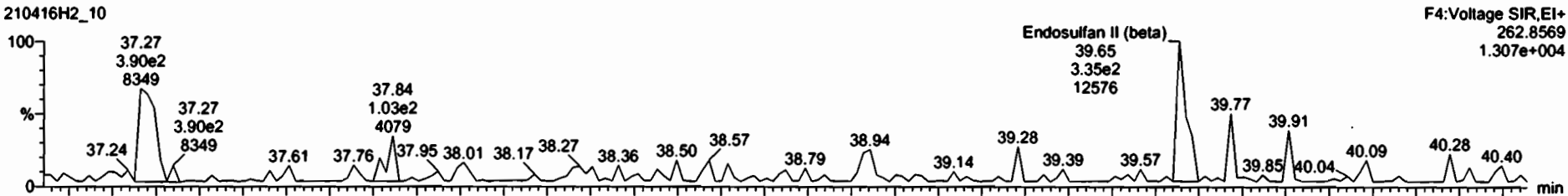


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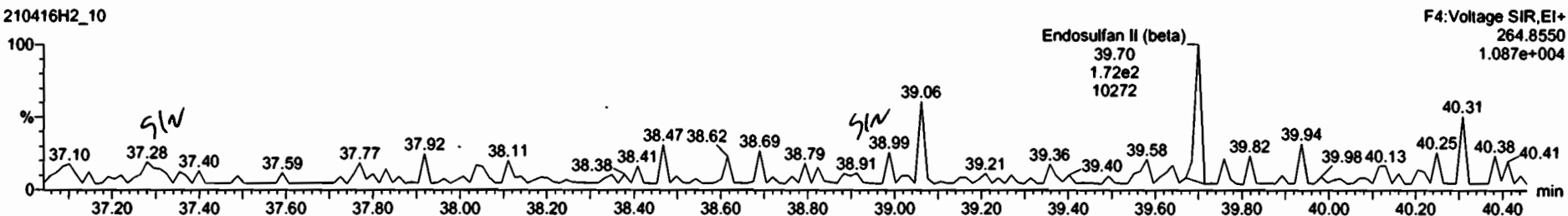
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Name: 210416H2\_10, Date: 16-Apr-2021, Time: 18:06:31, ID: 2103219-03 USMPDI-068RAB-20-32.1-210312 2.68, Description: USMPDI-068RAB-20-32.1-210312

**Dieldrin-EII**  
210416H2\_10

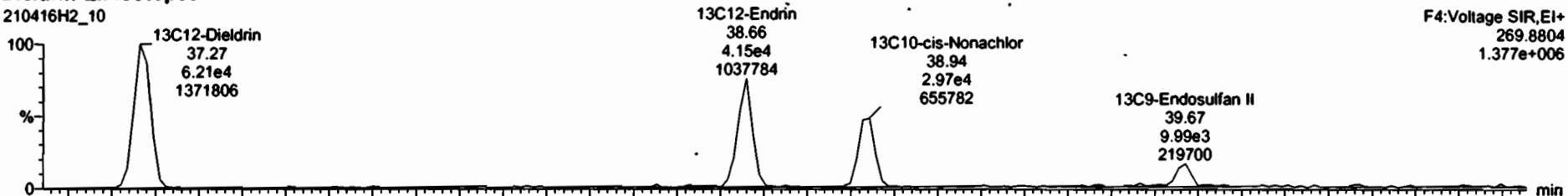


210416H2\_10

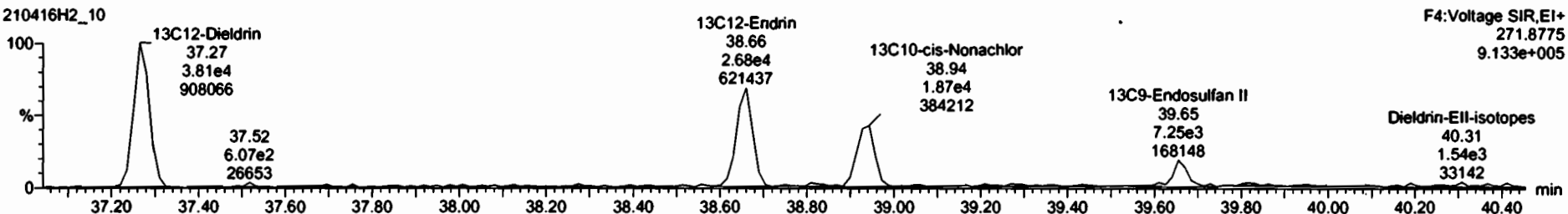


**Dieldrin-EII-isotopes**

210416H2\_10



210416H2\_10



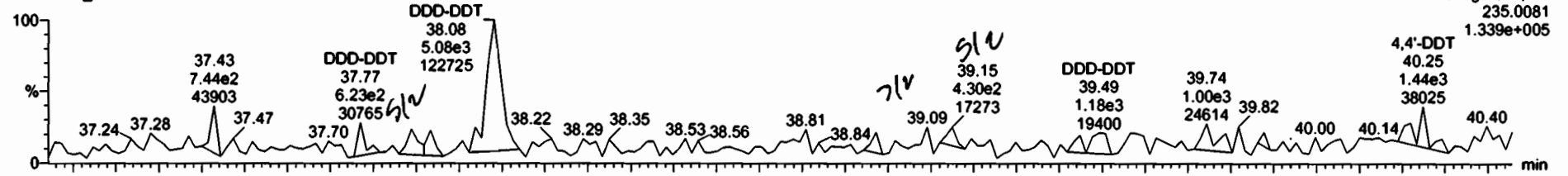
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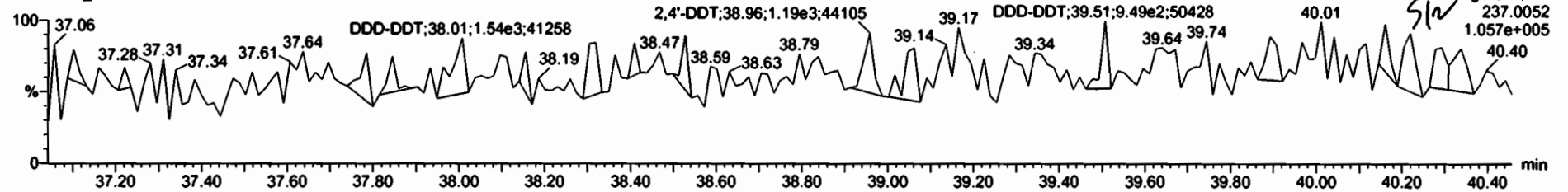
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DDD-DDT

210416H2\_10

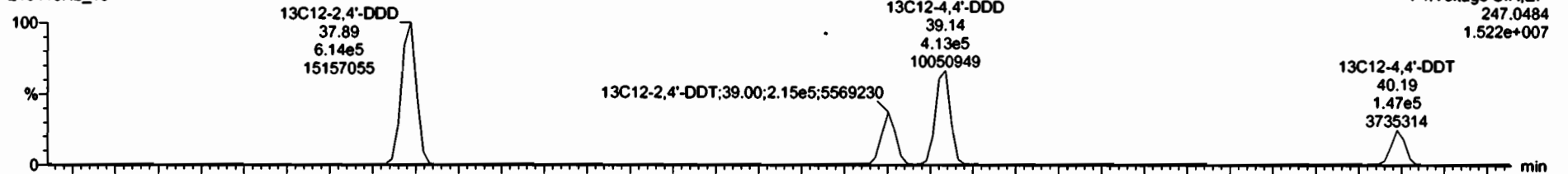


210416H2\_10

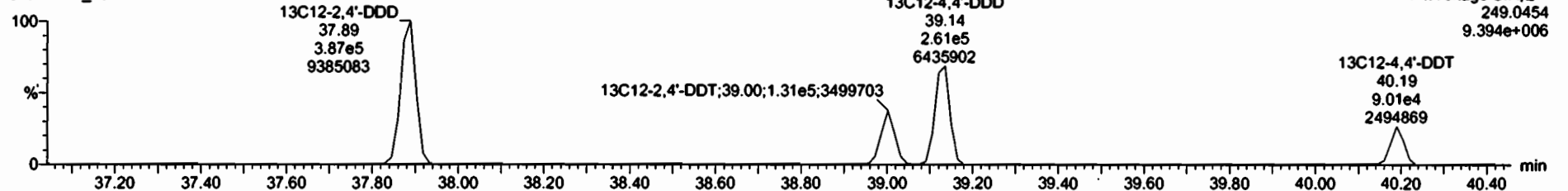


DDD-DDT-Isotopes

210416H2\_10



210416H2\_10





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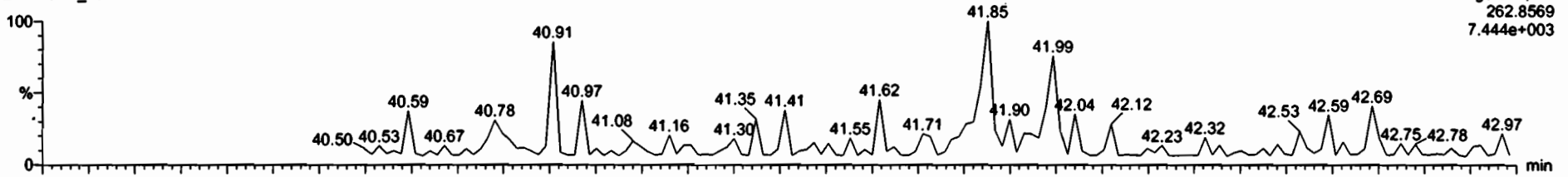
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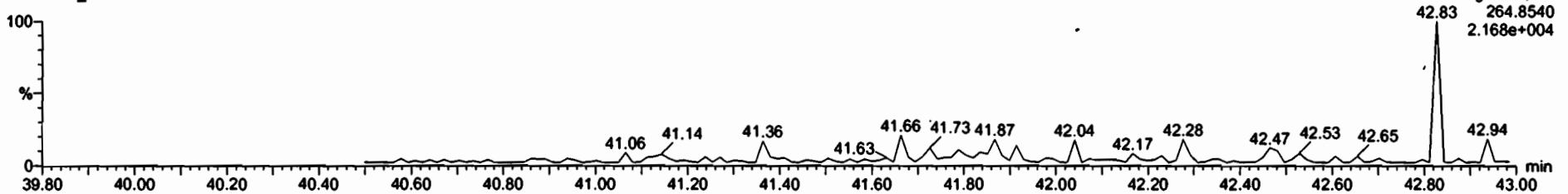
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Endosulfan Sulfate

210416H2\_10

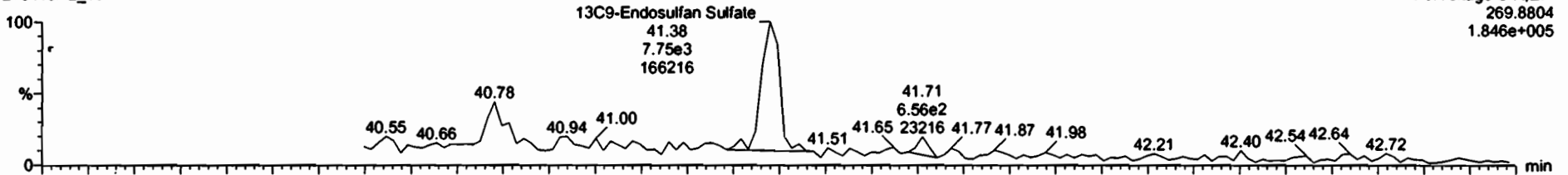


210416H2\_10

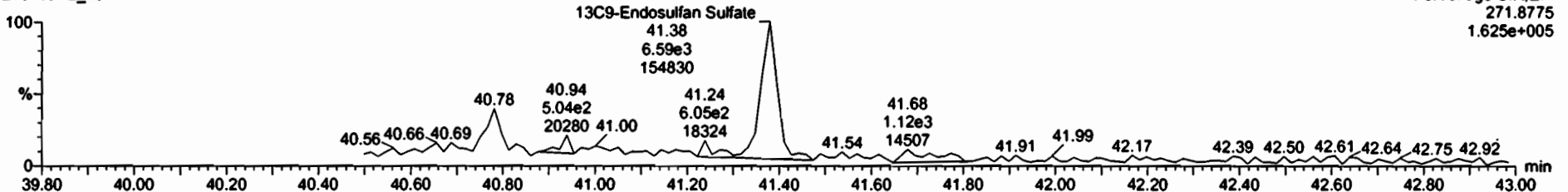


13C9-Endosulfan Sulfate

210416H2\_10



210416H2\_10



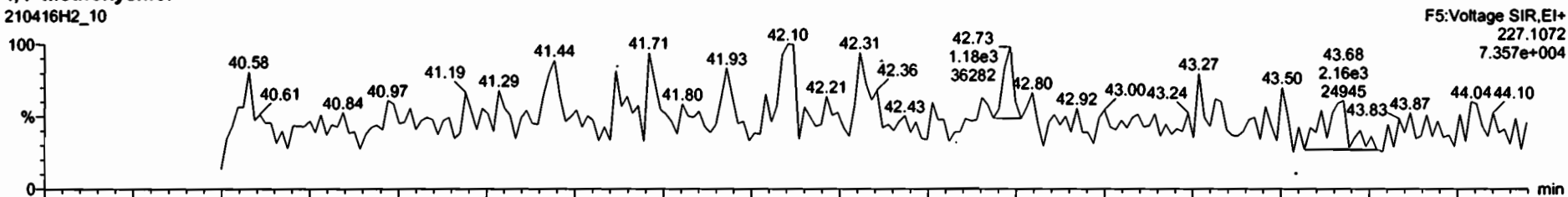
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

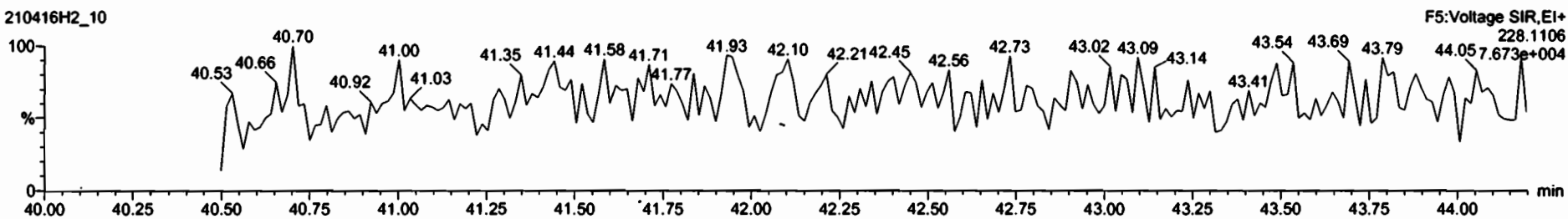
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4,4'-Methoxychlor

210416H2\_10

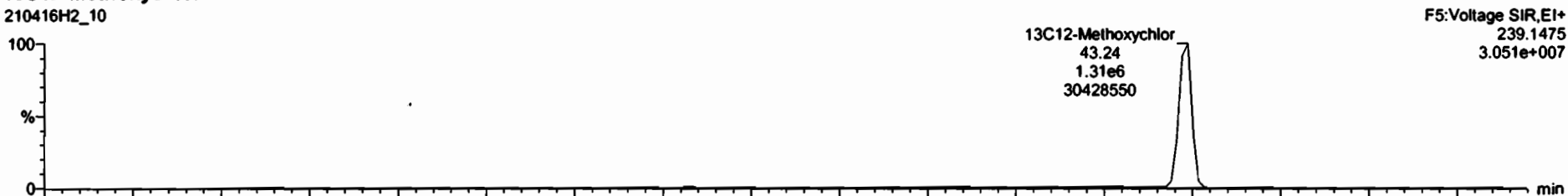


210416H2\_10

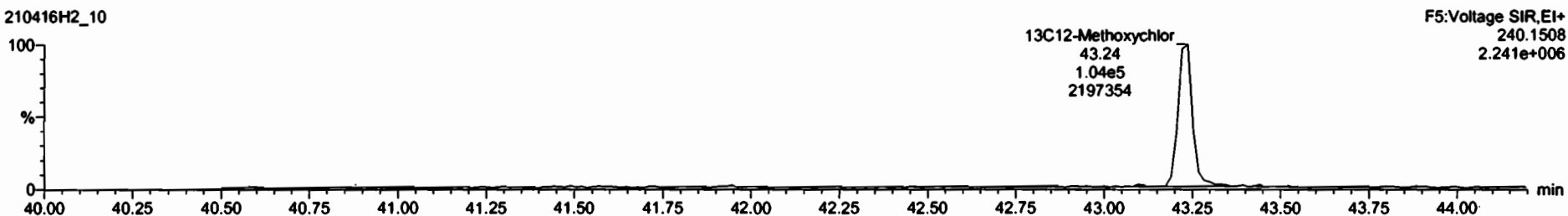


13C12-Methoxychlor

210416H2\_10



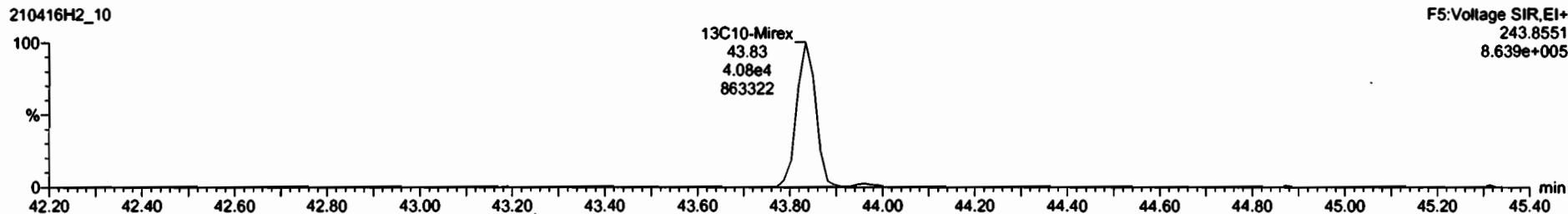
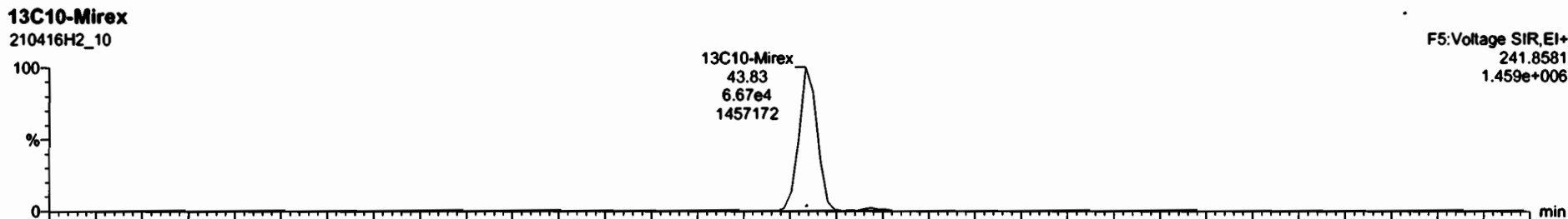
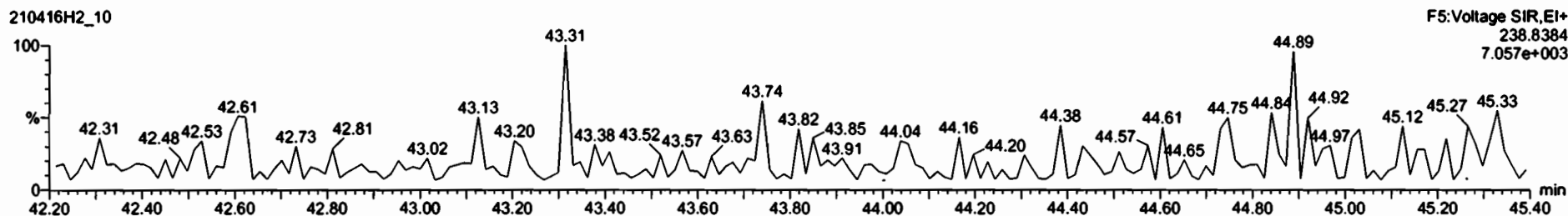
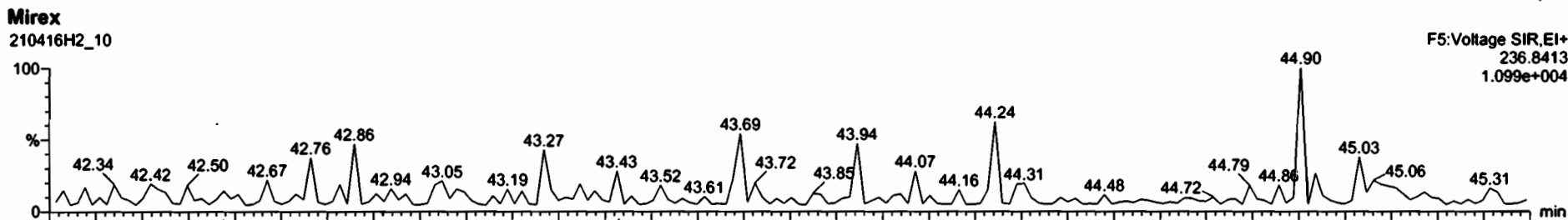
210416H2\_10



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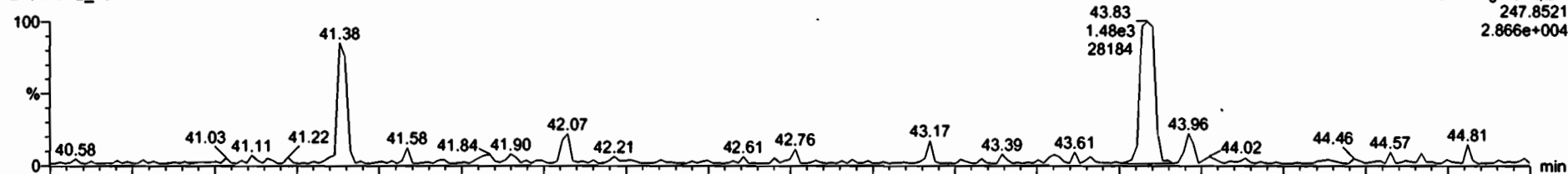
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

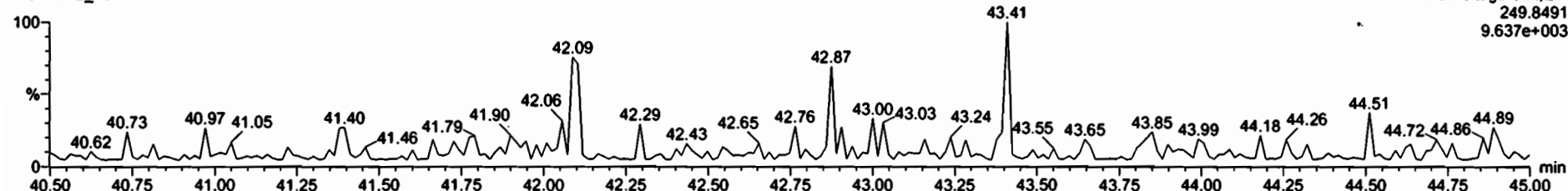
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EA-EK

210416H2\_10



210416H2\_10

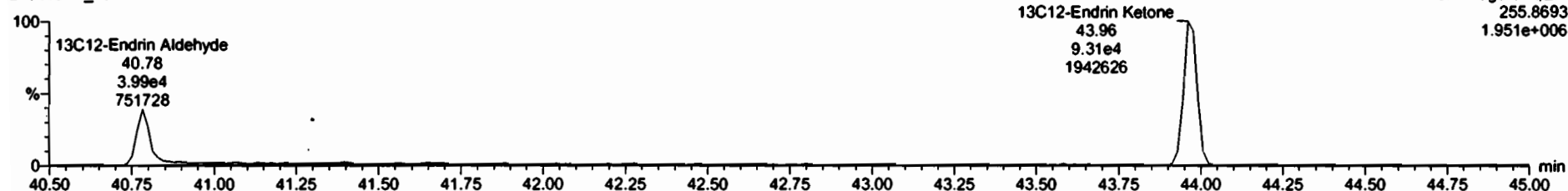


EA-EK-isotopes

210416H2\_10



210416H2\_10



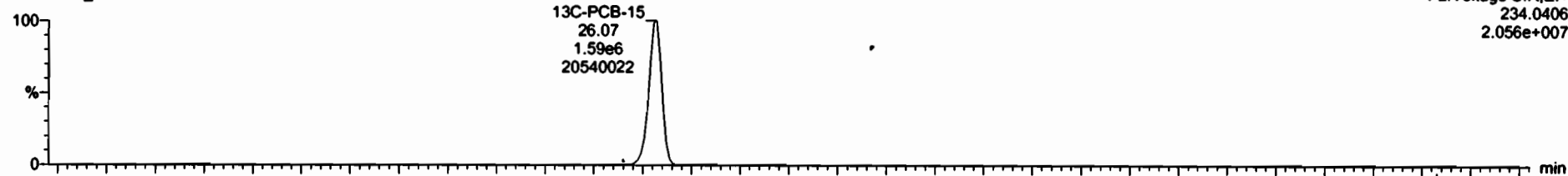
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

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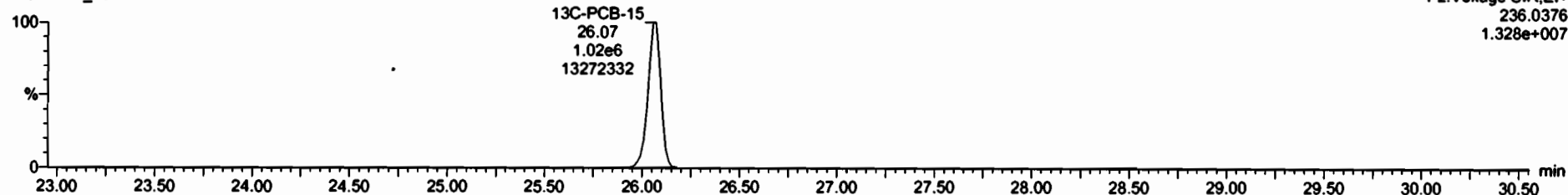
13C-PCB-15

210416H2\_10



F2:Voltage SIR,EI+  
234.0406  
2.056e+007

210416H2\_10



F2:Voltage SIR,EI+  
236.0376  
1.328e+007

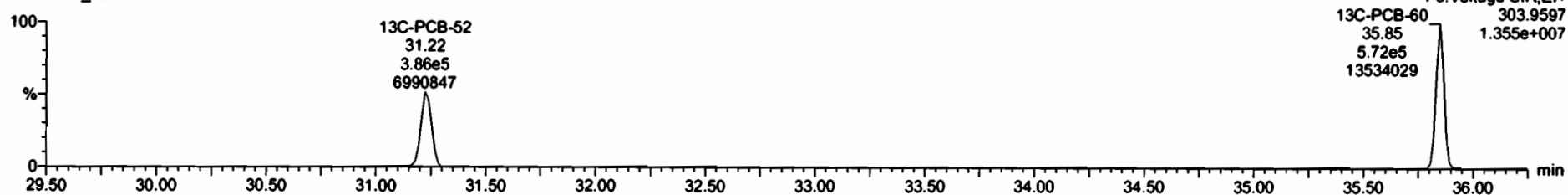
13C-PCB-60

210416H2\_10



F3:Voltage SIR,EI+  
301.9626  
1.070e+007

210416H2\_10



F3:Voltage SIR,EI+  
303.9597  
1.355e+007

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

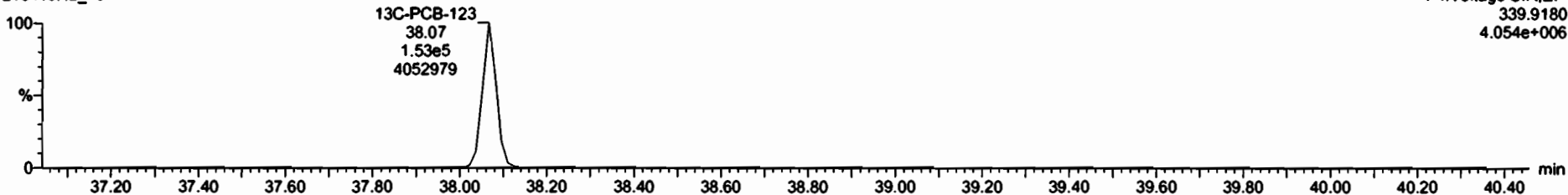
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**13C-PCB-123**

210416H2\_10



210416H2\_10

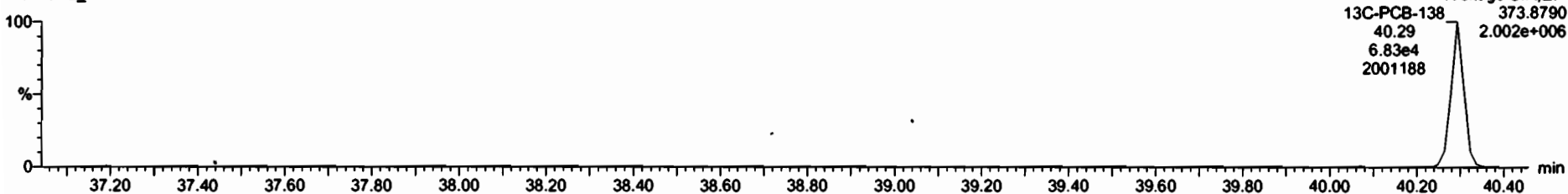


**13C-PCB-138**

210416H2\_10



210416H2\_10



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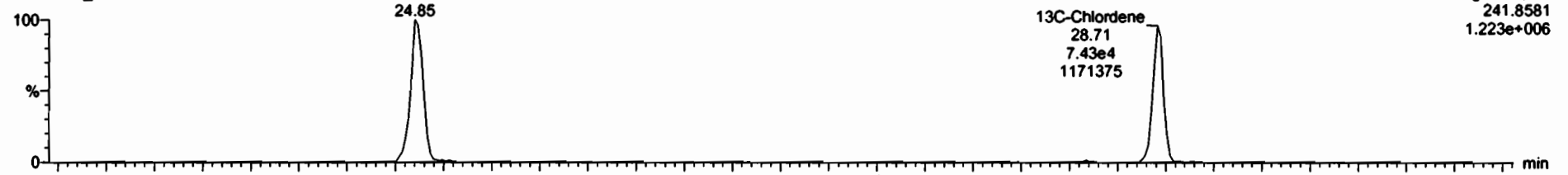
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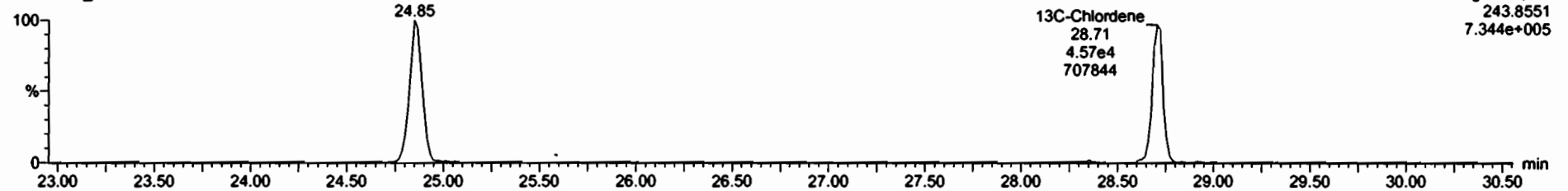
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13C-Chlordene

210416H2\_10

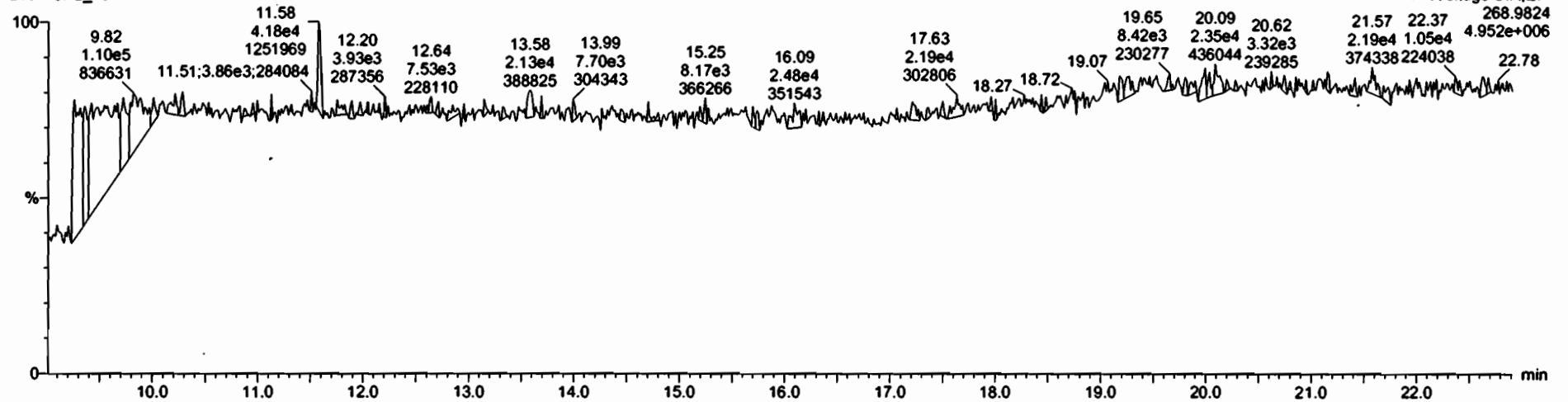


210416H2\_10



PFK1

210416H2\_10

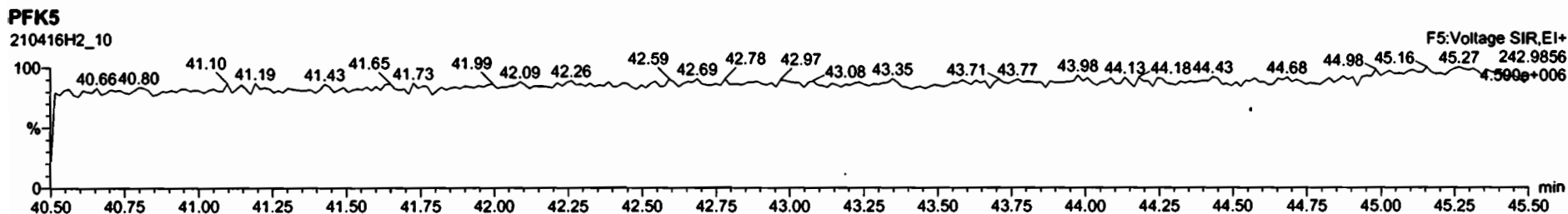
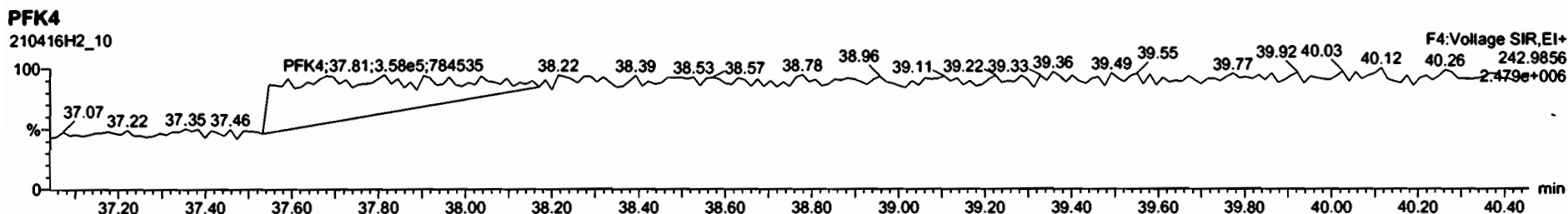
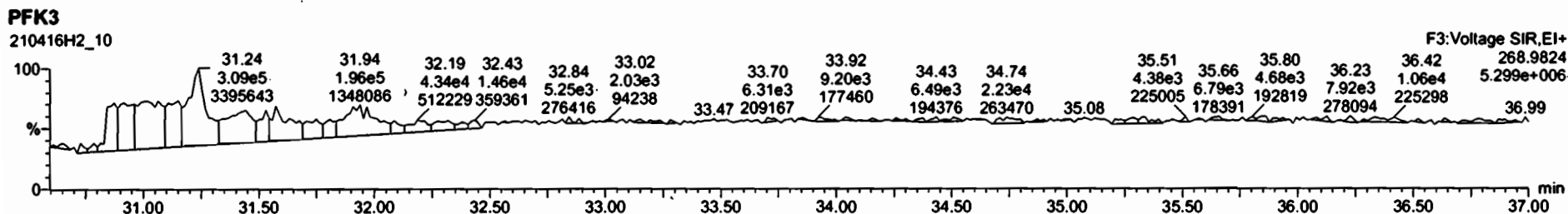
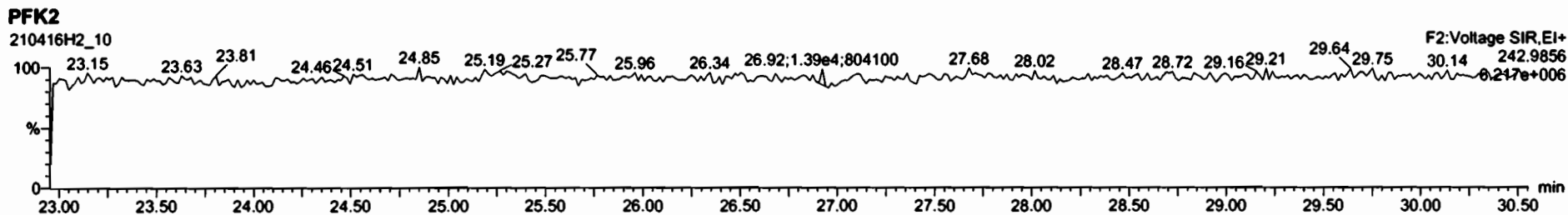


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Dataset: U:\vg10.PRO\Results\210506H1\210506H1\_5.qld

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*DF 05/06/21*

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Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

*C105/07/2021*

Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48,

Description: USMPDI-068RAB-20-32.1-210312, Task: ST210506H1\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.Y	%Rec	DL	EMPC
9	Aldrin		6.31e3		NO	1.12	1.011			1.001	YES			8.89	
40	13C12-Aldrin	6.31e3	3.12e5	1.56	NO	0.152	1.011	30.77	1.183	1.181	NO	131.40	13.3	7.35	
62	13C-PCB-15	3.12e5	3.12e5	1.55	NO	1.00	1.011	26.01	1.000	1.000	NO	988.90	100	1.78	

Dataset: Untitled

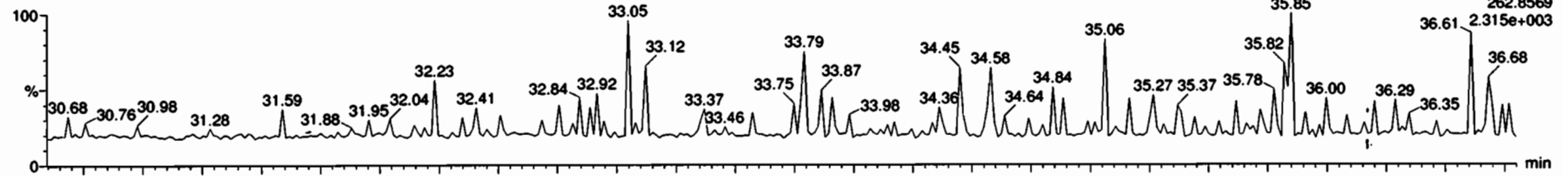
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

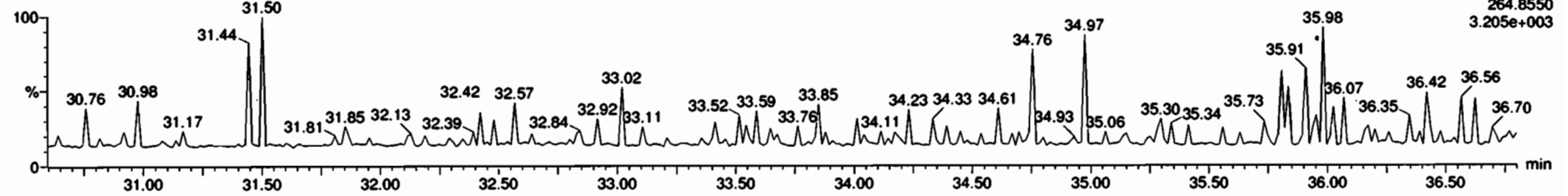
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

**Aldrin-EI**

210506H1\_5



210506H1\_5

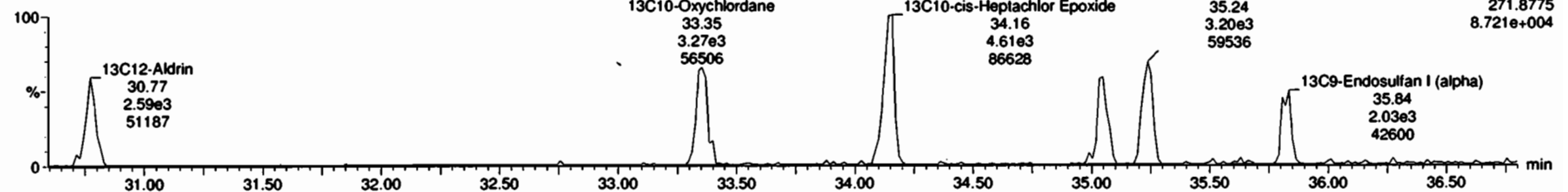


**Aldrin-EI-isotopes**

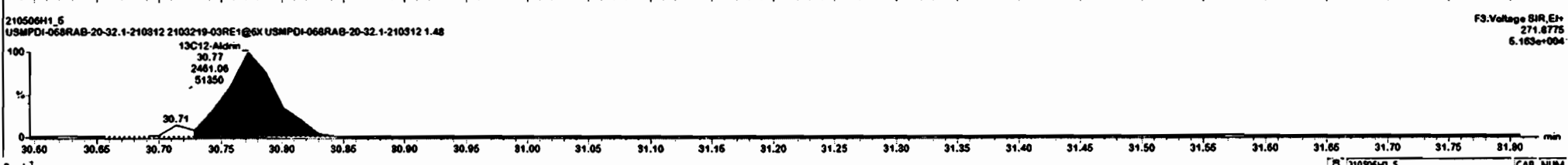
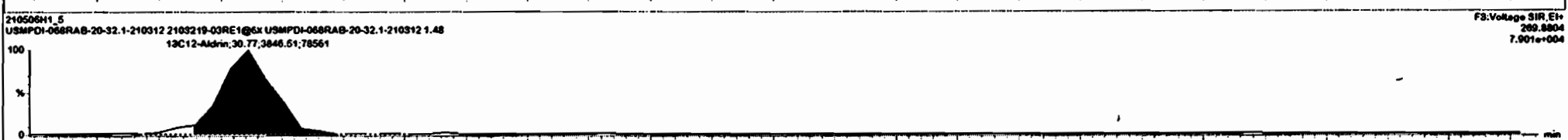
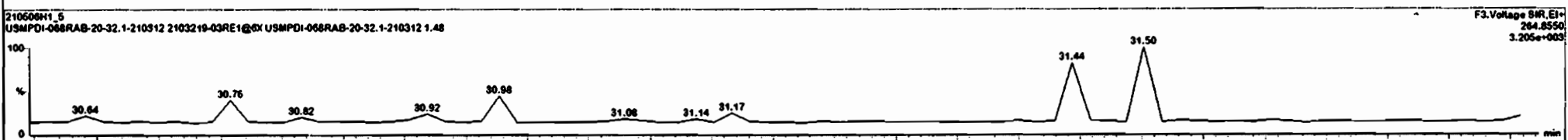
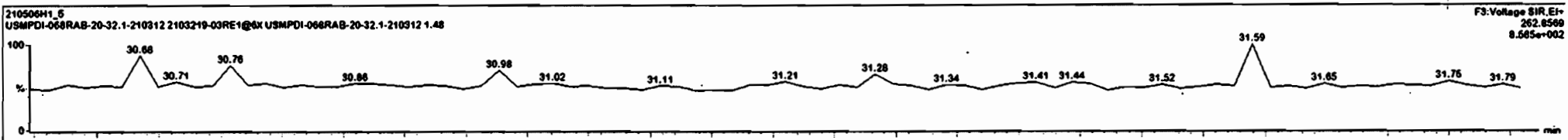
210506H1\_5



210506H1\_5



#	Name	Y	Resp	SAREA	RA	ny	R/R	wt/vol	RT	Pred RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene		2.50e3	3.86e5	0.27	YES	0.02	1.0112	10.05	10.00	1.001	1.002	NO	3345		18.6	1280
2	Hexachlorobenzene		7.37e2	2.02e5	1.32	NO	0.98	1.0112	22.68	22.67	1.001	1.000	NO	3567		6.134	3.67
3	Alpha-BHC		5.86e4			NO	0.82	1.0112		23.25		1.001	YES				3.23
4	Lindane (gamma-BHC)		4.09e4			NO	0.85	1.0112		26.52		1.000	YES				4.56
5	Beta-BHC		3.02e4			NO	0.96	1.0112		28.59		1.001	YES				4.68
6	Delta-BHC		3.62e4			NO	0.91	1.0112		30.26		1.001	YES				4.03
7	Heptachlor		1.83e4			NO	1.10	1.0112		26.70		1.001	YES				1.12
8	4,4'-DDE		3.62e4			NO	1.23	1.0112		30.17		0.998	YES				8.76
9	Aldrin		6.31e3			NO	1.12	1.0112		30.80		1.001	YES				8.89
10	Drychlorane		8.02e3			NO	1.11	1.0112		33.40		1.001	YES				7.90
11	cis-Heptachlor Epoxide		1.06e4			NO	1.13	1.0112		34.16		1.001	YES				5.40



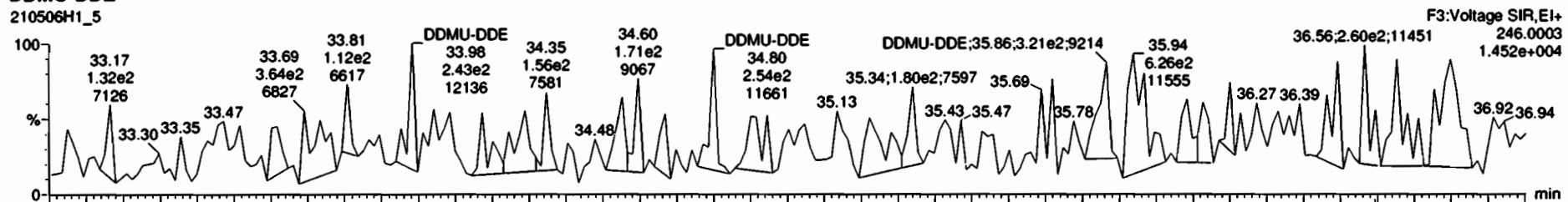
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

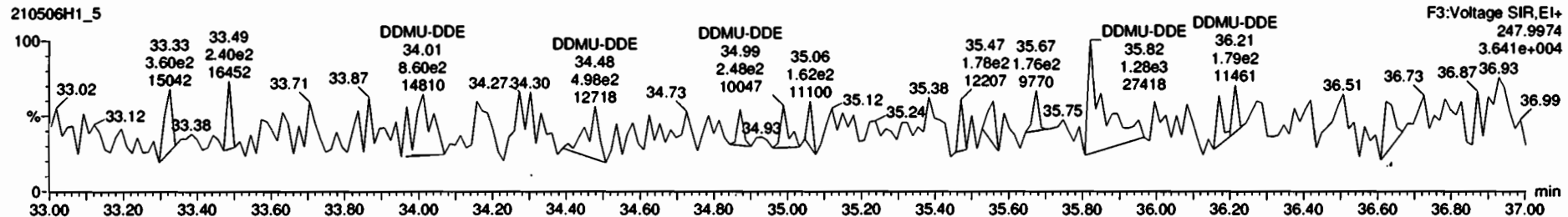
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DDMU-DDE

210506H1\_5



210506H1\_5

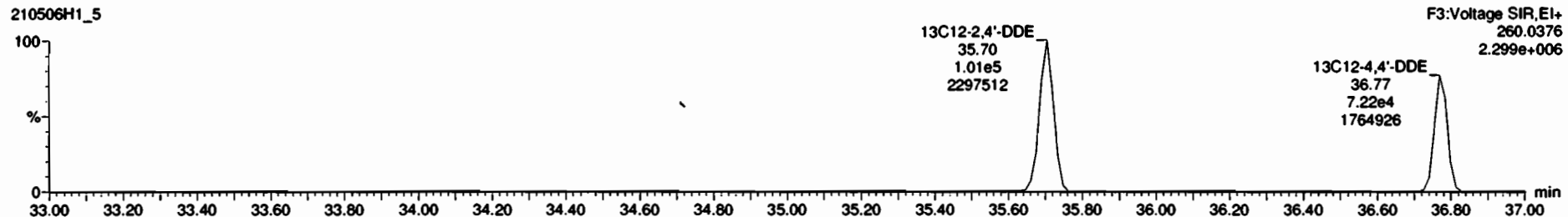


DDE-isotopes

210506H1\_5



210506H1\_5



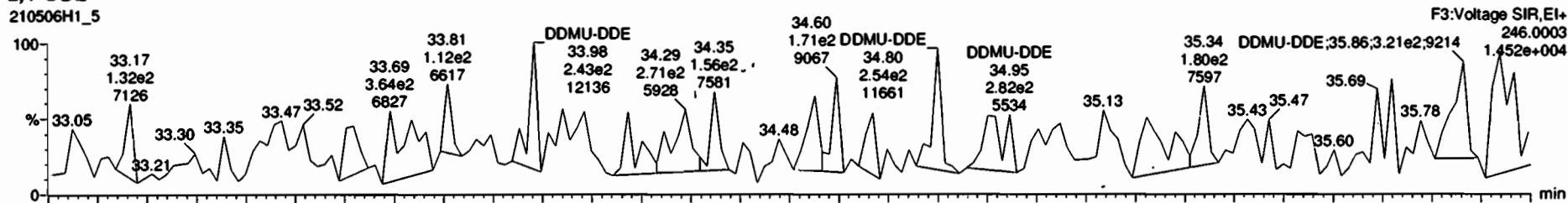
Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

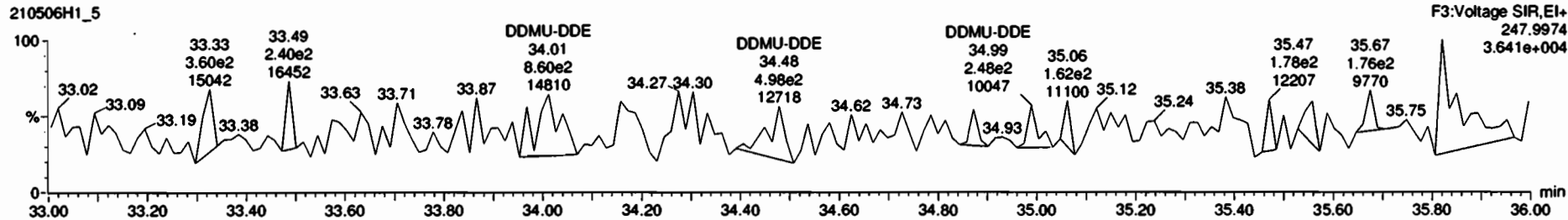
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

2,4'-DDE

210506H1\_5



210506H1\_5

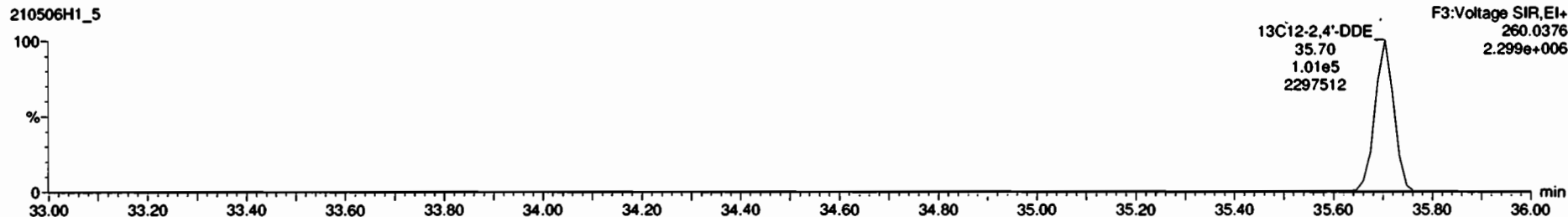


13C12-2,4'-DDE

210506H1\_5



210506H1\_5

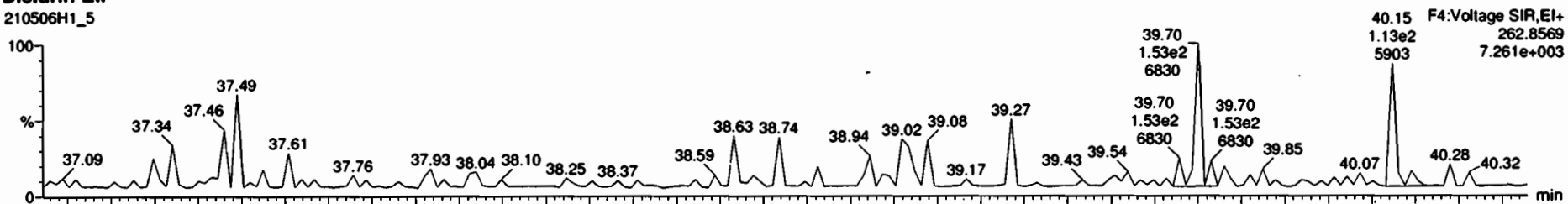


Dataset: Untitled

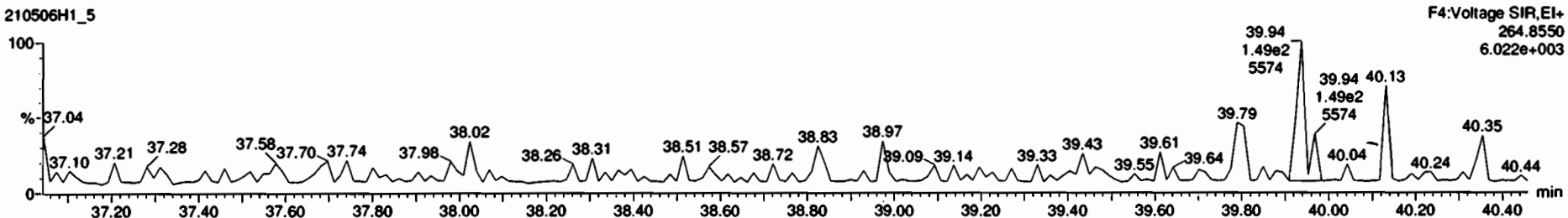
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

Dieldrin-EII  
210506H1\_5

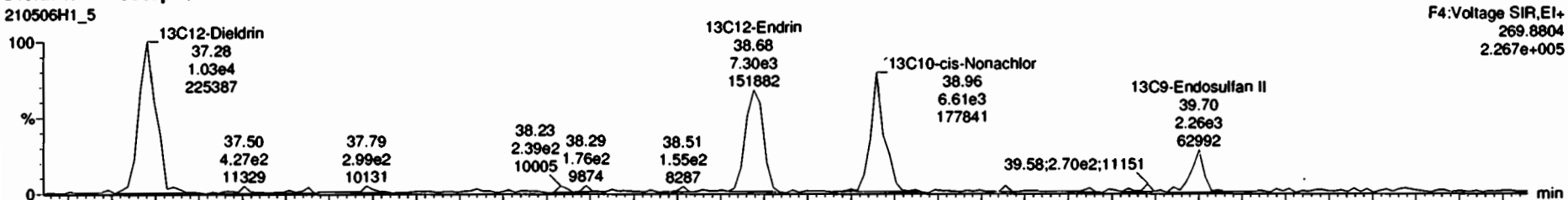


210506H1\_5

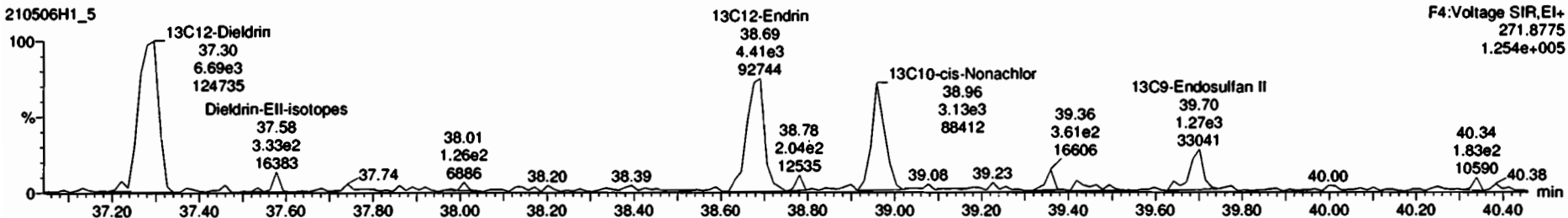


Dieldrin-EII-isotopes

210506H1\_5



210506H1\_5



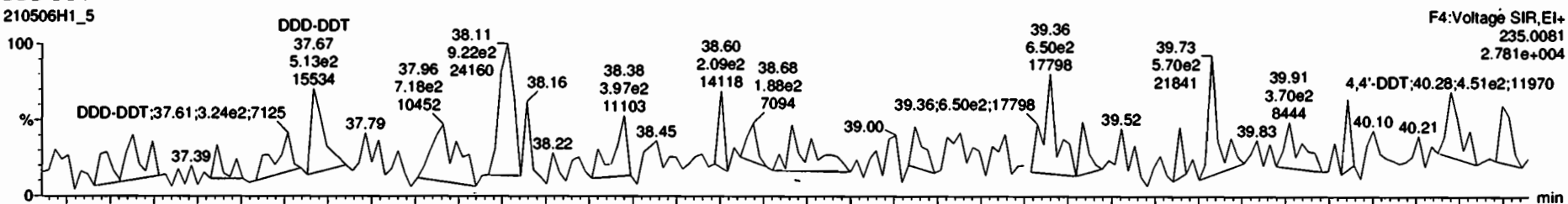
Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

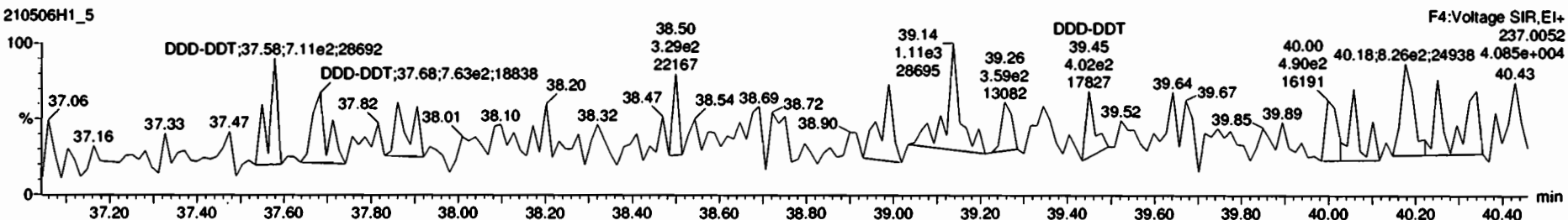
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

DDD-DDT

210506H1\_5

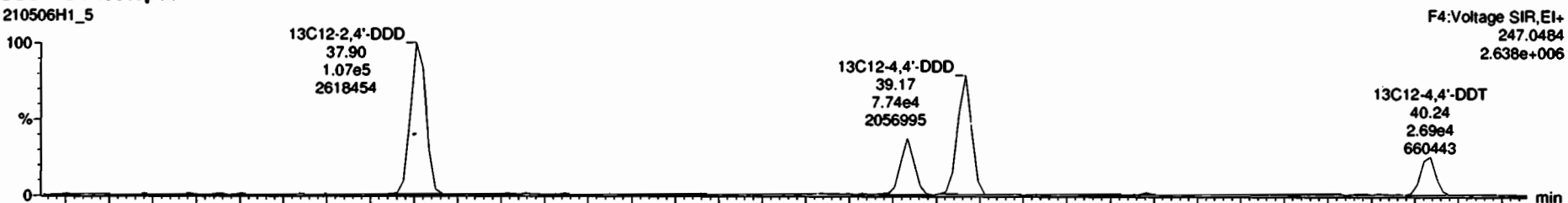


210506H1\_5

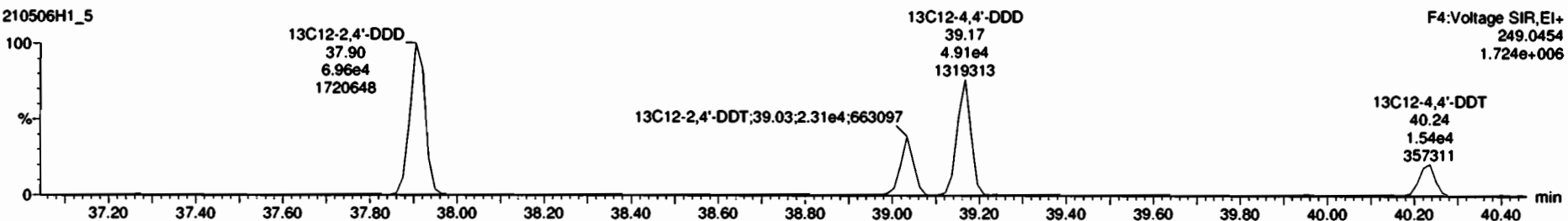


DDD-DDT-isotopes

210506H1\_5



210506H1\_5



Dataset: Untitled

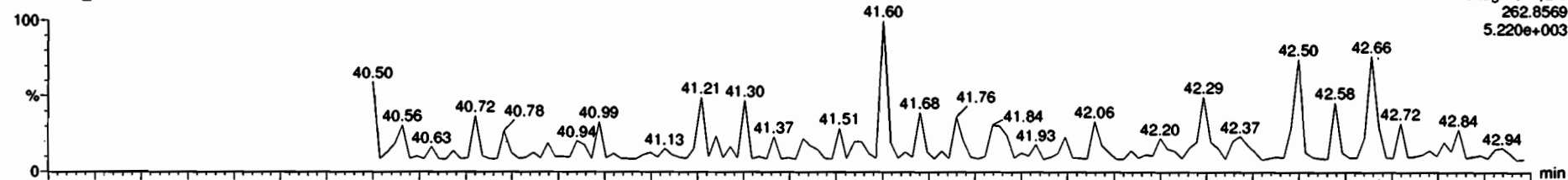
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

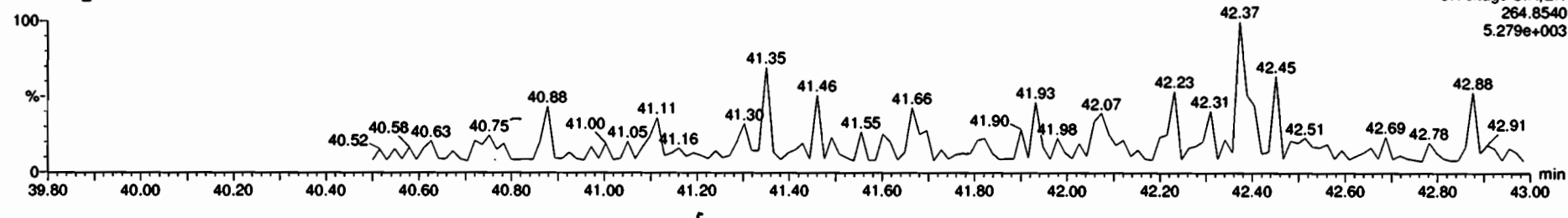
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

Endosulfan Sulfate

210506H1\_5

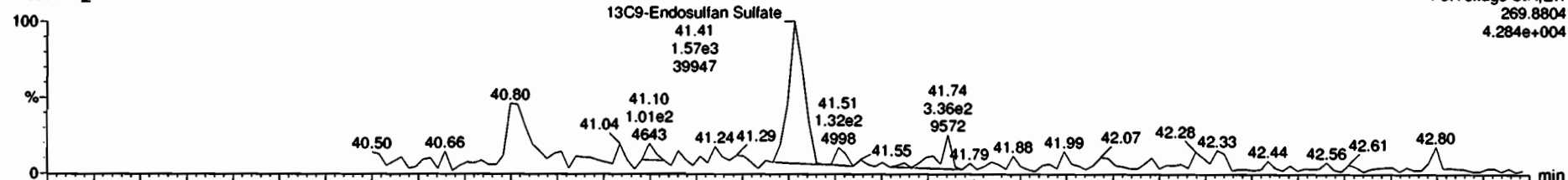


210506H1\_5

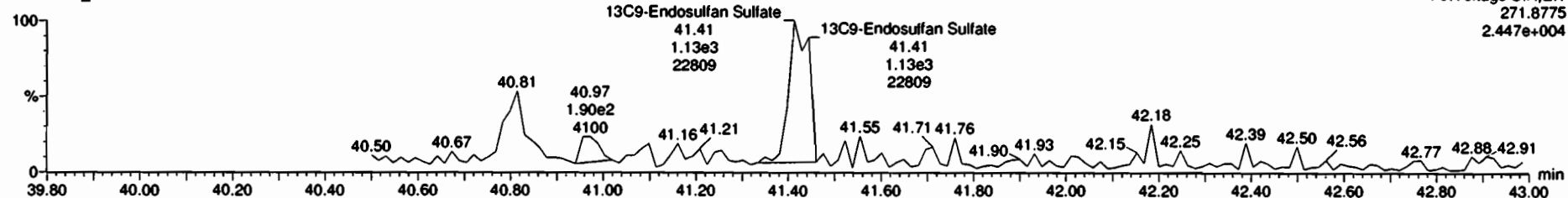


13C9-Endosulfan Sulfate

210506H1\_5



210506H1\_5





Dataset: Untitled

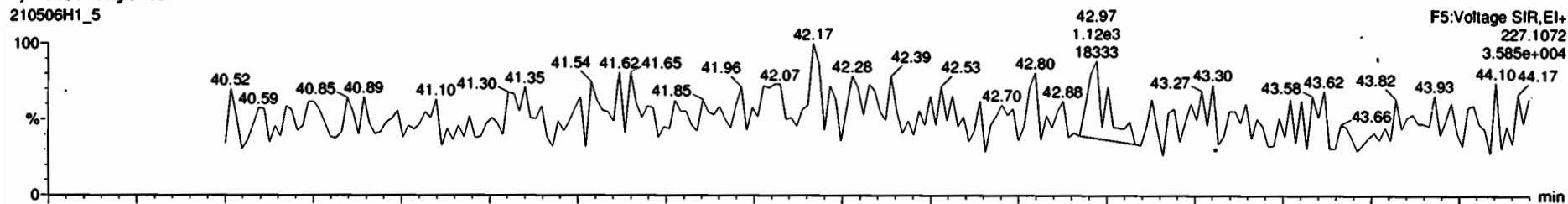
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

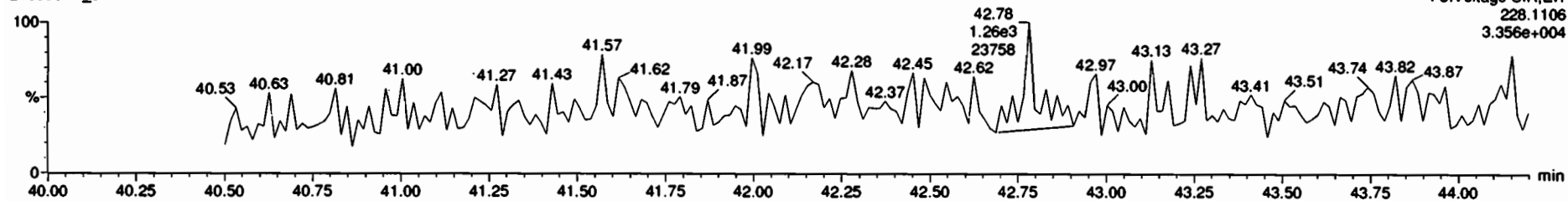
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

4,4'-Methoxychlor

210506H1\_5

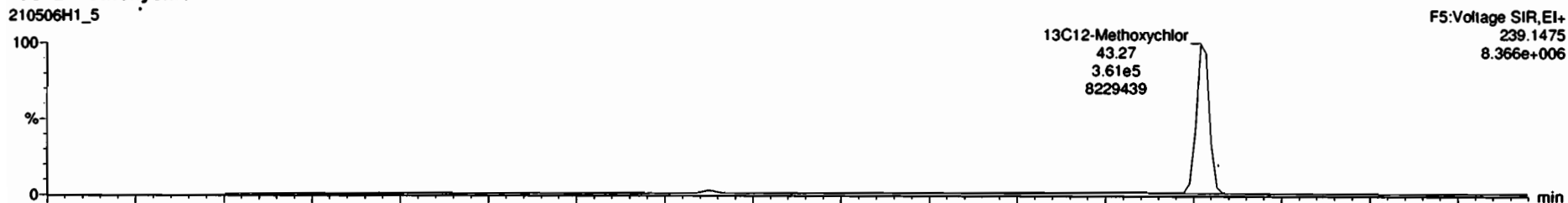


210506H1\_5

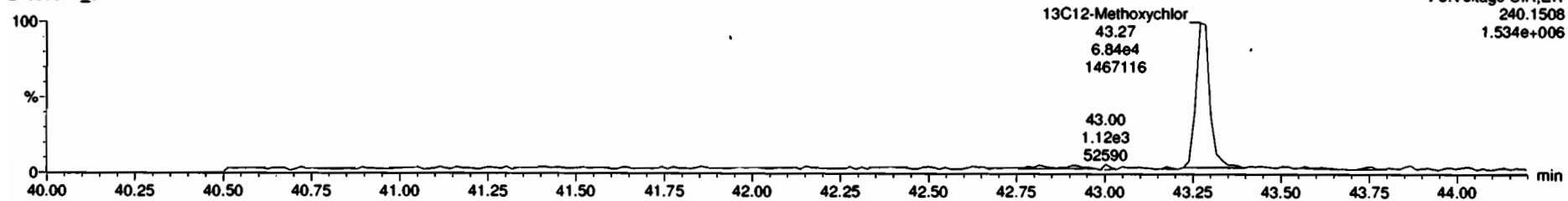


13C12-Methoxychlor

210506H1\_5



210506H1\_5

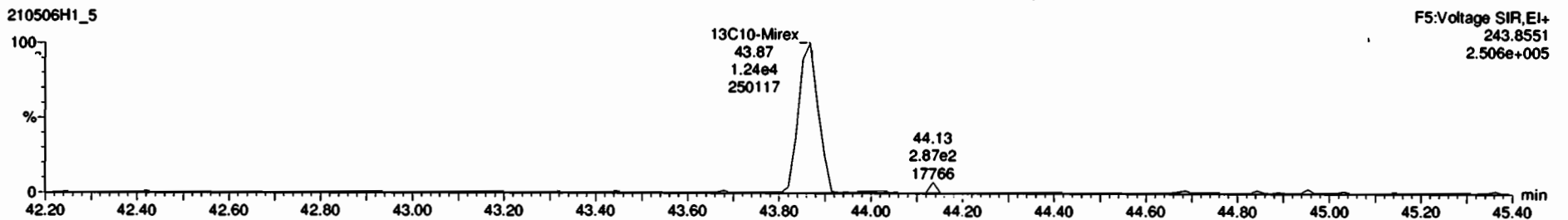
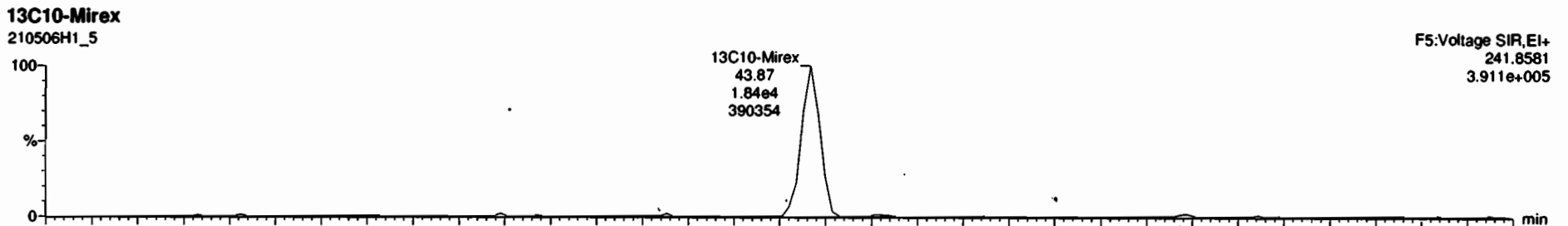
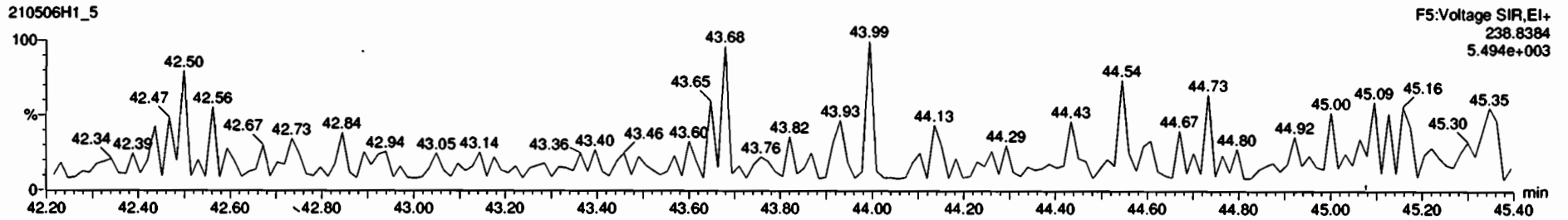
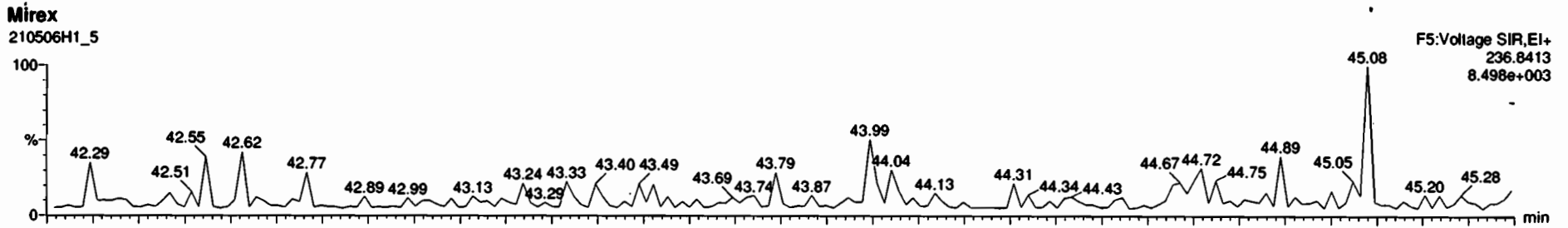


Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

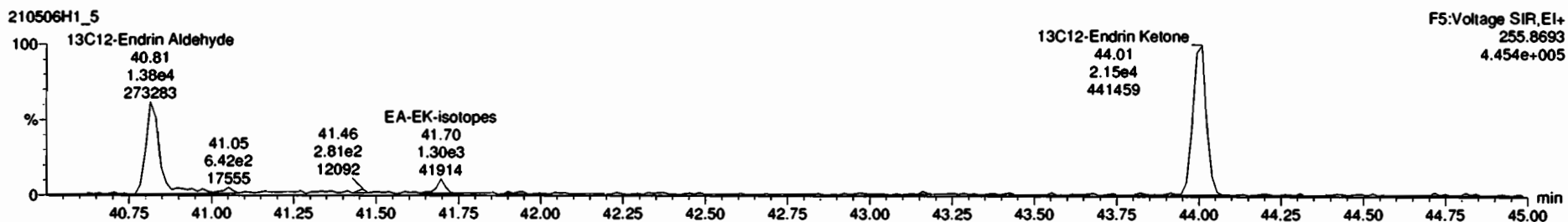
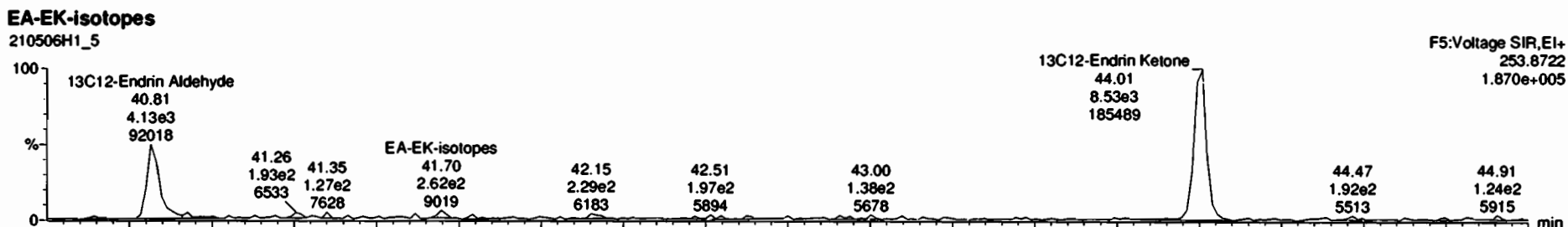
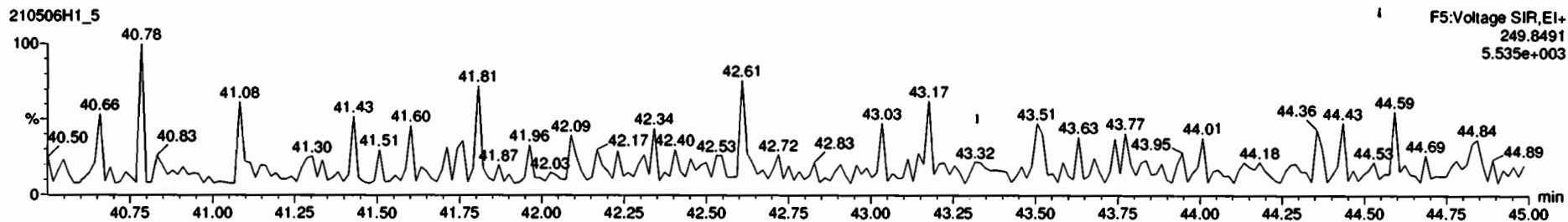
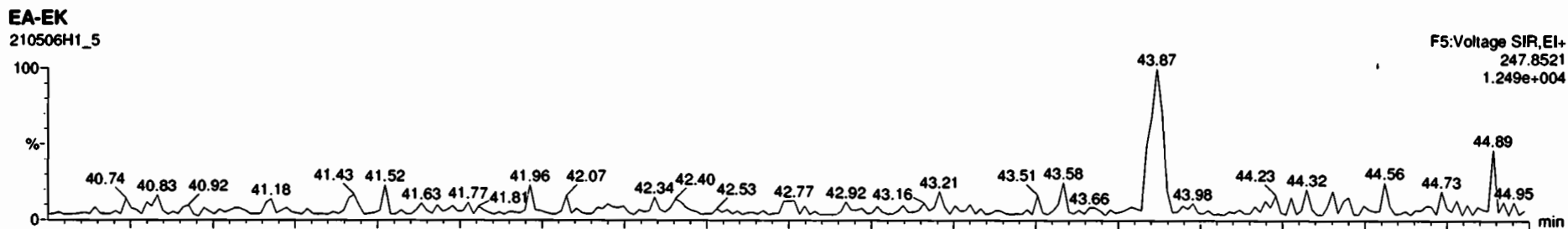


Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312



Dataset: Untitled

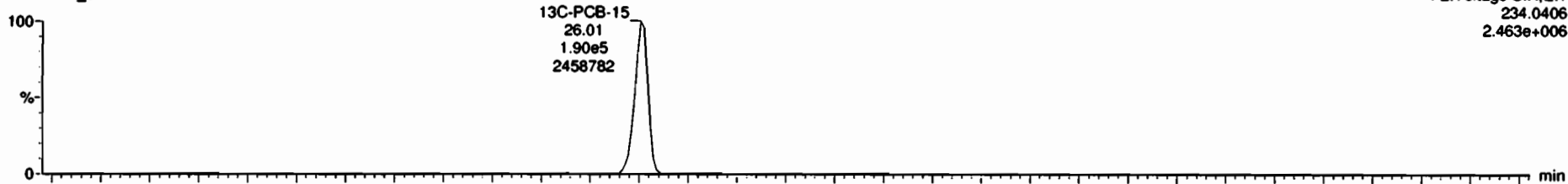
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

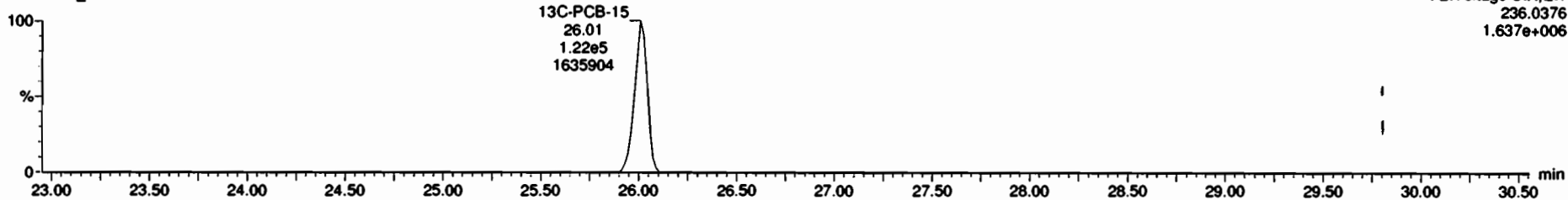
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

13C-PCB-15

210506H1\_5



210506H1\_5

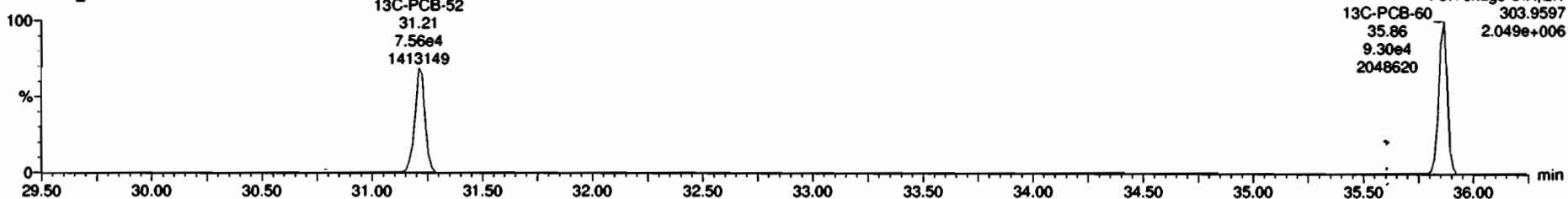


13C-PCB-60

210506H1\_5



210506H1\_5



Dataset: Untitled

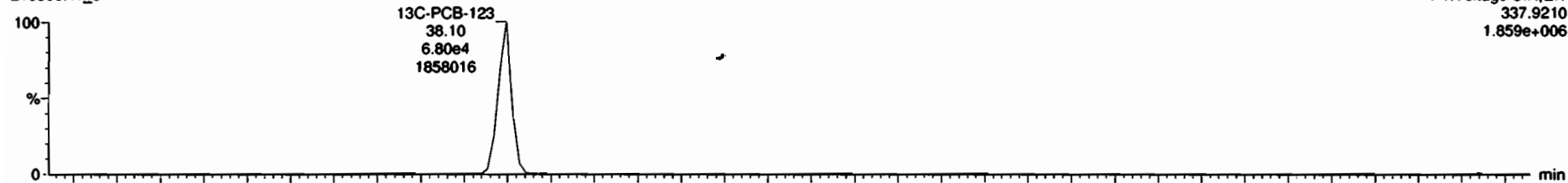
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

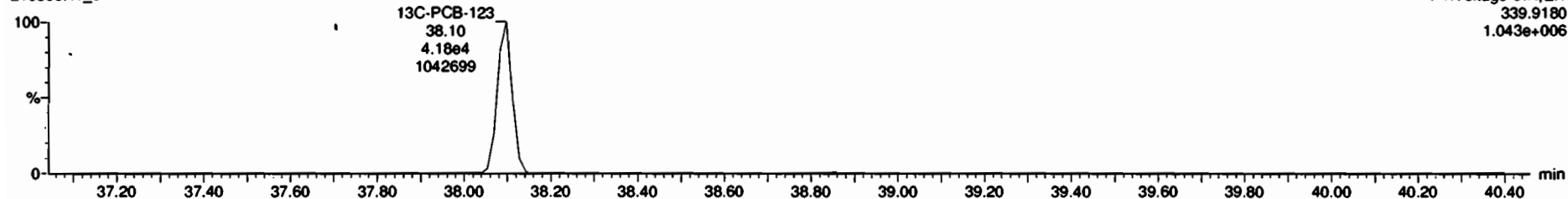
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

13C-PCB-123

210506H1\_5



210506H1\_5

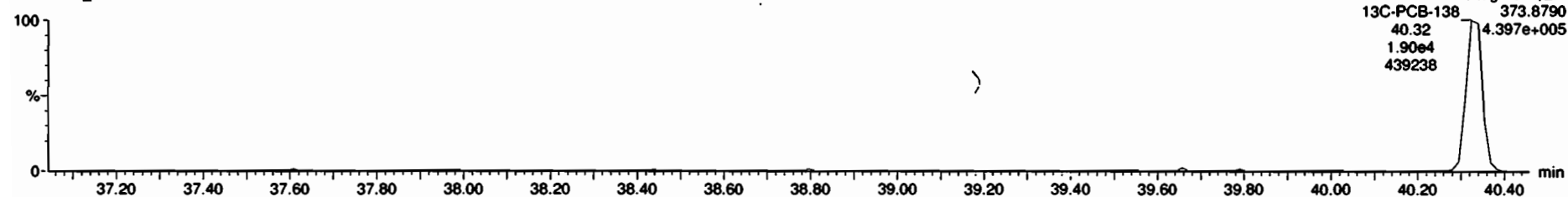


13C-PCB-138

210506H1\_5



210506H1\_5



Dataset: Untitled

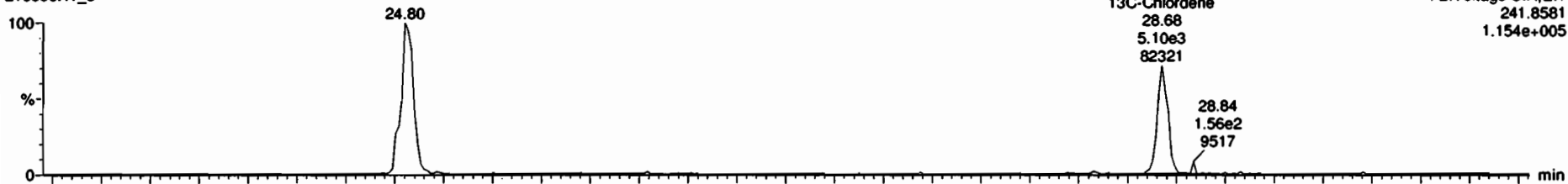
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

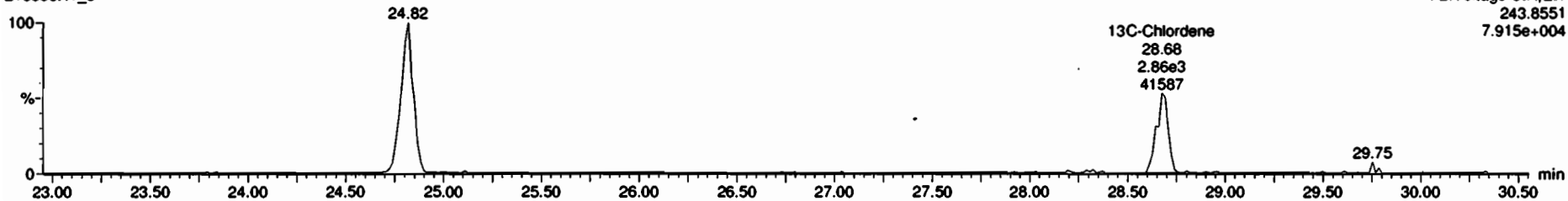
Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

13C-Chlordene

210506H1\_5

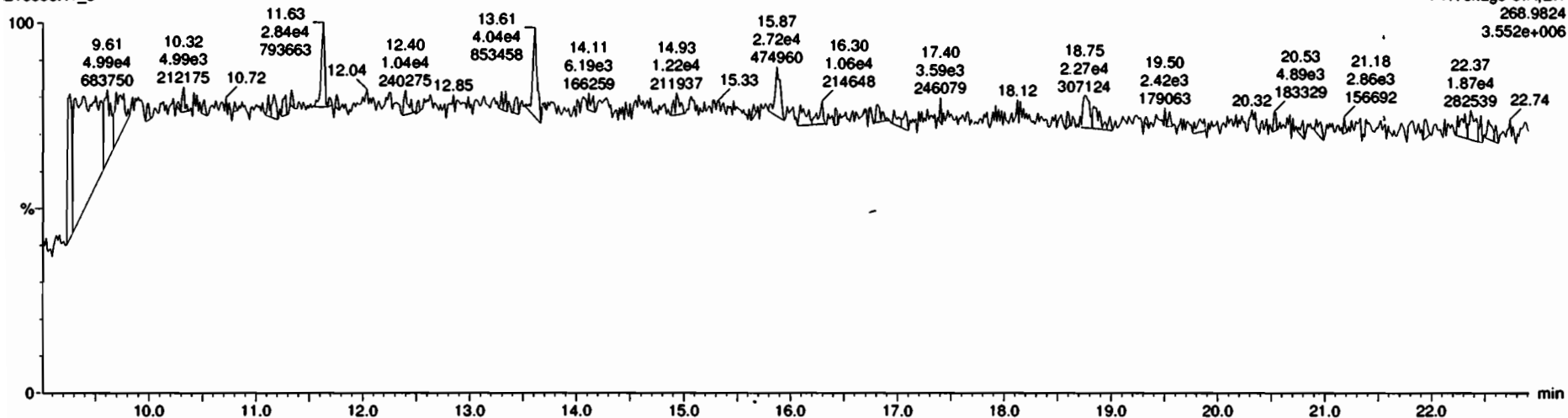


210506H1\_5



PFK1

210506H1\_5



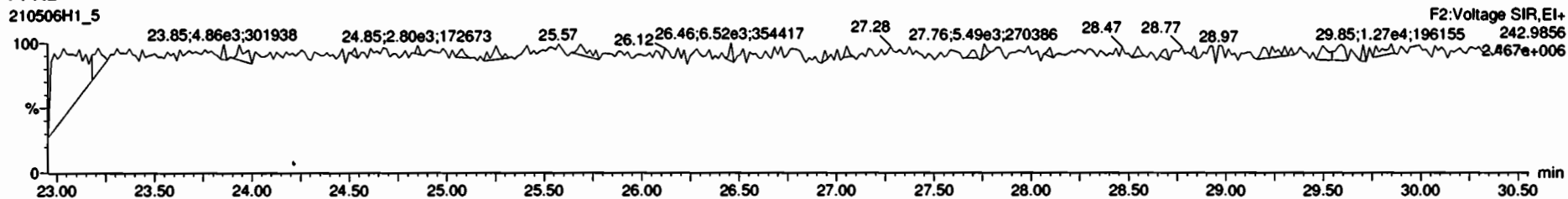
Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

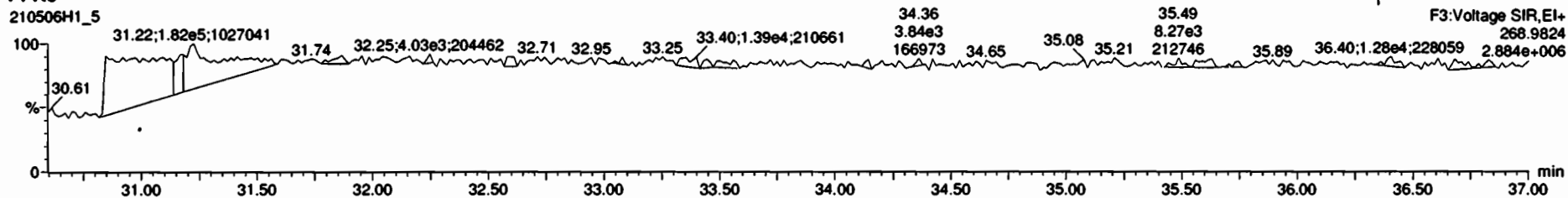
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_5, Date: 06-May-2021, Time: 13:43:15, ID: 2103219-03RE1@6X USMPDI-068RAB-20-32.1-210312 1.48, Description: USMPDI-068RAB-20-32.1-210312

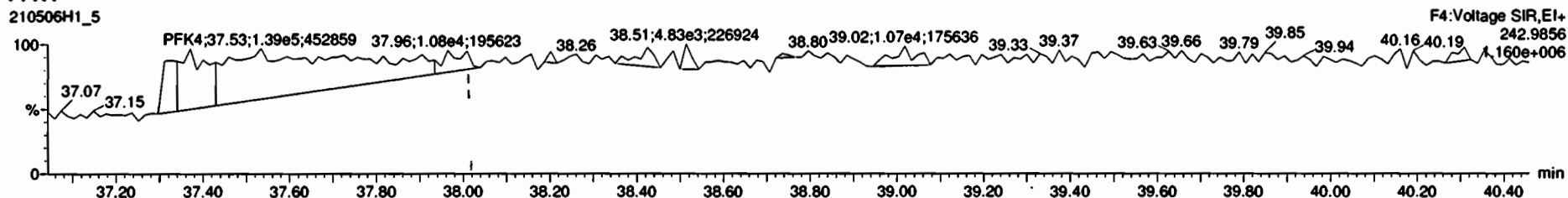
PFK2



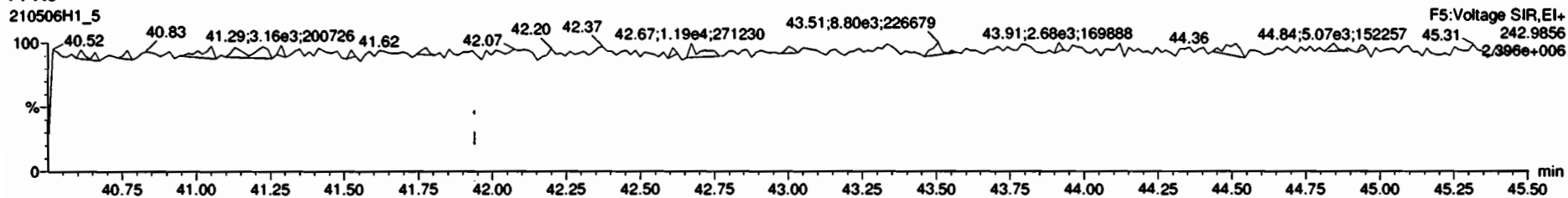
PFK3



PFK4



PFK5



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_14.qld

Last Altered: Wednesday, April 21, 2021 13:46:06 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 13:46:50 Pacific Daylight Time

*OC 04/26/21*  
*DF 04/21/21*

*\*E SEE DIL*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

*C 04/20/2021*

Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...		1.84e5		NO	0.860	1.640 ✓			1.000	YES			1.72	
2	9 Aldrin		1.26e5		NO	1.09	1.640			1.001	YES			1.40	
3	10 Oxychlordane		2.38e4		NO	1.06	1.640			1.001	YES			6.21	
4	13 trans-Chlordane (g...	5.89e2	1.77e4	1.36	NO	1.14	1.640 35.08 ✓	1.001	1.001	1.001	NO	17.916		7.64	17.9
5	14 trans-Nonachlor		1.58e4		NO	1.06	1.640			1.000	YES			9.29	
6	15 cis-Chlordane		1.58e4		NO	1.16	1.640			1.016	YES			8.44	
7	18 2,4'-DDE	1.13e5	8.44e5	1.51	NO	1.02	1.640 35.72 ✓	1.001	1.000	1.000	NO	79.965		1.17	80.0
8	19 4,4'-DDE	2.97e6	4.57e5	1.51	NO	1.04	1.640 36.77 ✓	1.000	1.000	1.000	NO	3820.9		2.11	3820
9	20 Dieldrin		3.66e4		NO	1.03	1.640			1.001	YES			7.88	
10	22 cis-Nonachlor		1.69e4		NO	1.00	1.640			1.000	YES			17.9	



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_14.qld

Last Altered: Wednesday, April 21, 2021 13:46:06 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 13:47:20 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
1	24 2,4'-DDD	3.16e4	3.16e5	1.42	NO	1.07	1.640	37.90	1.000	1.000	NO	57.189		5.36	57.2
2	25 2,4'-DDT	4.99e5	1.31e5	1.51	NO	1.05	1.640	39.03	1.000	1.000	NO	2219.6		14.4	2220
3	26 4,4'-DDD	9.39e4	2.08e5	1.41	NO	1.16	1.640	39.15	1.000	1.000	NO	236.31		7.33	236
4	27 4,4'-DDT	1.29e6	5.73e4	1.57	NO	1.13	1.640	40.22	1.000	1.001	NO	12155*E		26.3	12200
5	36 13C6-Lindane (ga...	1.84e5	1.74e6	0.79	NO	0.194	1.640	26.57	1.019	1.019	NO	331.90	54.4	2.35	
6	40 13C12-Aldrin	1.26e5	1.74e6	1.61	NO	0.154	1.640	30.80	1.181	1.181	NO	287.00	47.1	0.877	
7	41 13C10-Oxychlorda...	2.38e4	1.74e6	1.69	NO	0.0404	1.640	33.37	1.280	1.280	NO	205.68	33.7	3.34	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_14.qld

Last Altered: Wednesday, April 21, 2021 13:46:06 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 13:47:29 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\vb-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312, Task: ST210416H2\_1

#	Name	Resp.	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
1	43 13C10-trans-Chlor...	1.77e4	1.74e6	1.52	NO	0.0358	1.640	35.05	1.344	1.344	NO	172.33	28.3	3.77	
2	44 13C10-trans-Nona...	1.58e4	5.52e5	1.37	NO	0.0638	1.640	35.24	0.983	0.983	NO	273.79	44.9	4.22	
3	46 13C12-2,4'-DDE	8.44e5	5.52e5	1.58	NO	1.43	1.640	35.69	0.996	0.995	NO	650.78	107	2.17	
4	47 13C12-4,4'-DDE	4.57e5	5.52e5	1.58	NO	0.995	1.640	36.75	1.025	1.026	NO	507.49	83.2	3.13	
5	48 13C12-Dieldrin	3.66e4	5.52e5	1.52	NO	0.146	1.640	37.26	1.039	1.040	NO	276.92	45.4	5.23	
6	50 13C10-cis-Nonach...	1.69e4	5.52e5	1.77	NO	0.0791	1.640	38.94	1.086	1.087	NO	235.82	38.7	9.66	
7	52 13C12-2,4'-DDD	3.16e5	5.52e5	1.62	NO	1.35	1.640	37.89	1.057	1.057	NO	258.40	42.4	4.32	
8	53 13C12-2,4'-DDT	1.31e5	5.52e5	1.82	NO	0.962	1.640	39.02	1.088	1.089	NO	150.47	24.7	6.07	
9	54 13C12-4,4'-DDD	2.08e5	5.52e5	1.68	NO	1.12	1.640	39.14	1.092	1.092	NO	204.90	33.6	5.20	
10	55 13C12-4,4'-DDT	5.73e4	5.52e5	1.72	NO	0.735	1.640	40.20	1.121	1.122	NO	86.131	14.1 *	7.95	
11	62 13C-PCB-15	1.74e6	1.74e6	1.55	NO	1.00	1.640	26.07	1.000	1.000	NO	609.80	100	0.704	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_14.qld

Last Altered: Wednesday, April 21, 2021 13:46:06 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 13:47:32 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312,  
Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
1	63 13C-PCB-60	5.52e5	5.52e5	0.80	NO	1.00	1.640	35.85	1.000	1.000	NO	609.80	100	0.775	

Dataset: Untitled

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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

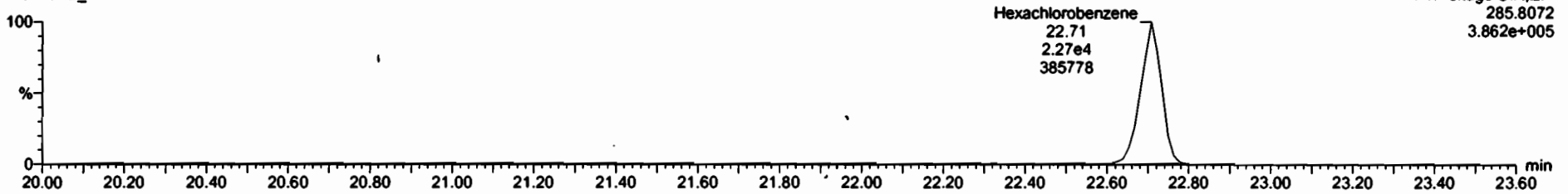
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Hexachlorobenzene

210416H2\_14



210416H2\_14

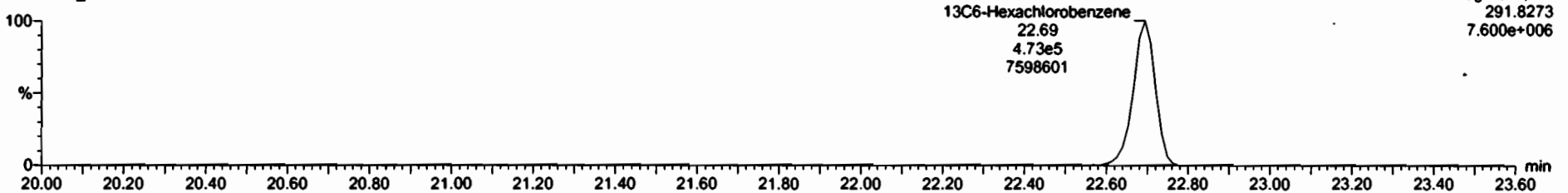


13C6-Hexachlorobenzene

210416H2\_14



210416H2\_14



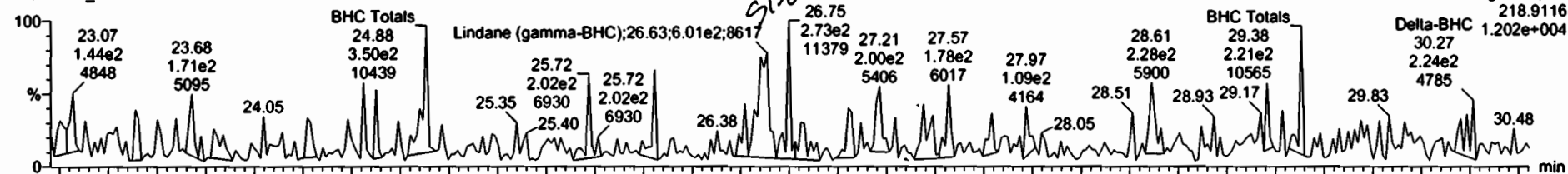
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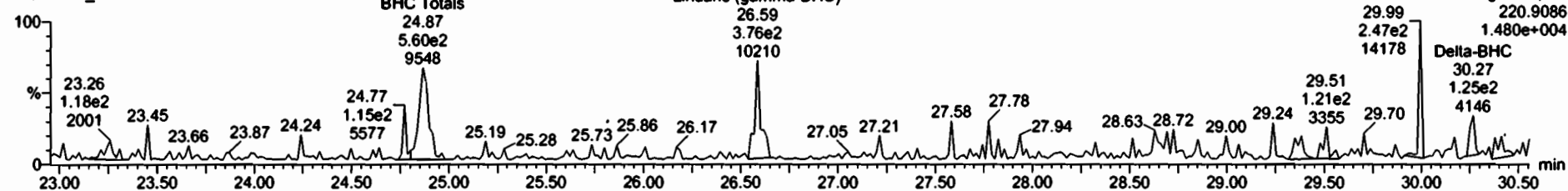
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**BHC Totals**

210416H2\_14

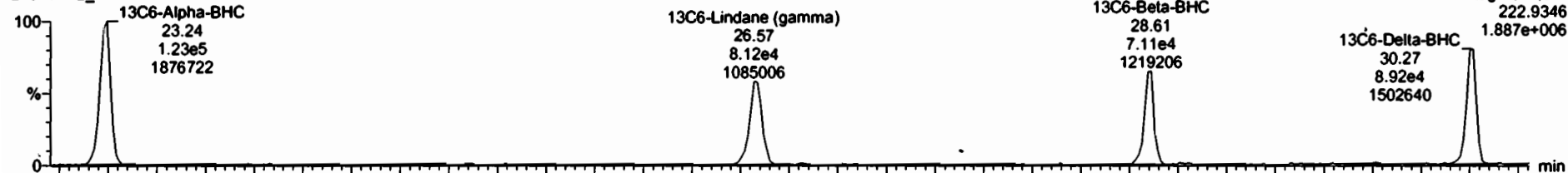


210416H2\_14

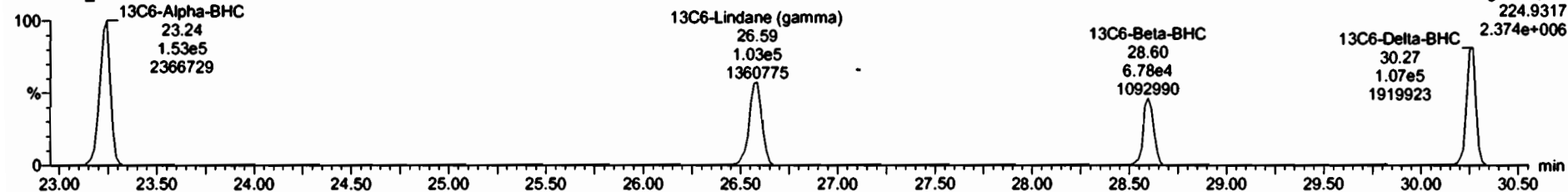


**BHC-isotopes**

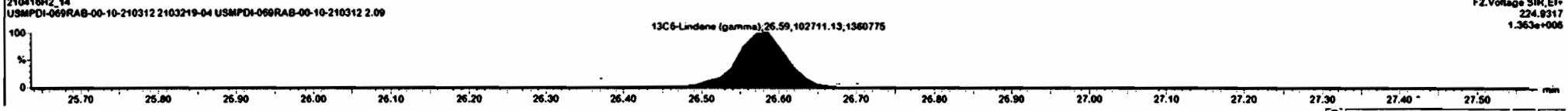
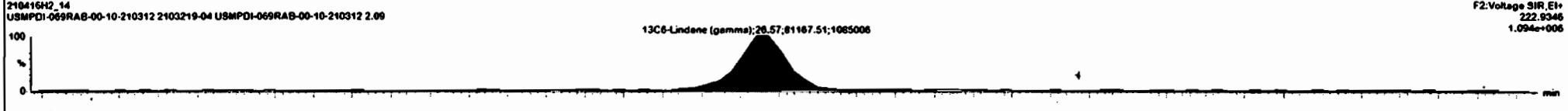
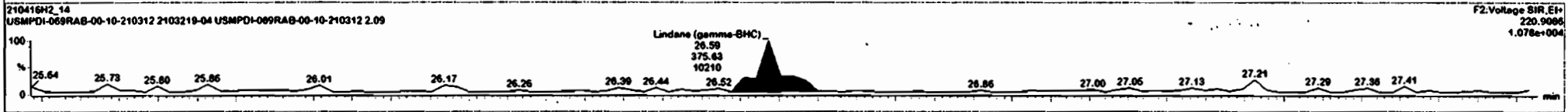
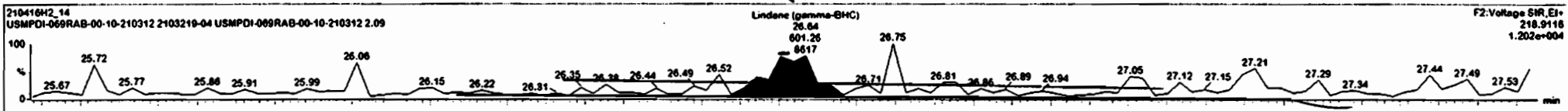
210416H2\_14



210416H2\_14



Name	Reso	RA	nly	RRF	wtwei	RT	RRT	Conc	%Rec	DL	EMC
1 Hexachlorobutadiene	1.97e4	0.36	YES	0.10	1.640	10.01	1.001	519		0.830	259
2 Hexachlorobenzene	5.00e4	1.20	NO	0.98	1.640	22.71	1.001	28.5		0.0341	28.5
3 Alpha-BHC			NO	0.83	1.640					1.64	
4 Lindane (gamma-BHC)	9.77e2	1.80	NO	0.86	1.640	26.84	1.002	3.77		1.72	3.77
5 Beta-BHC			NO	1.00	1.640					1.00	
6 Delta-BHC	3.49e2	1.79	NO	0.91	1.640	30.27	1.000	1.19		1.21	1.19
7 Heptachlor			NO	1.10	1.640					0.967	
8 4,4'-DDMU	1.81e3	0.91	YES	1.25	1.640	30.01	0.992	4.50		2.24	2.82
9 Aldrin			NO	1.09	1.640					1.40	
10 Oxycyfluthrin			NO	1.06	1.640					8.21	
11 cis-Heptachlor Epoxide			NO	1.08	1.640					5.19	
12 trans-Heptachlor Epoxide			NO	0.28	1.640					19.2	
13 trans-Chlordane (gamma)	7.53e2	1.85	NO	1.14	1.640	35.08	1.001	22.9		7.64	22.9
14 trans-Norachlor	3.93e2	0.55	YES	1.66	1.640	35.26	1.001	14.3		9.29	8.37
15 cis-Chlordane	7.67e2	1.37	NO	1.16	1.640	35.73	1.014	25.4		6.44	25.4
16 Endosulfan I (alpha)			NO	1.23	1.640					8.57	
17 4,4'-DDMU	1.73e4	2.61	NO		1.640	35.48	0.994	30.5		1.00	30.5
18 2,4'-DDE	1.13e5	1.51	NO	1.02	1.640	35.72	1.001	80.0		1.17	80.0
19 1,1'-DDE	2.97e6	1.51	NO	1.04	1.640	36.77	1.000	3820		2.11	3820
20 Dieldrin	1.28e2	2.73	YES	1.02	1.640	37.28	1.000	20.7		7.88	14.2



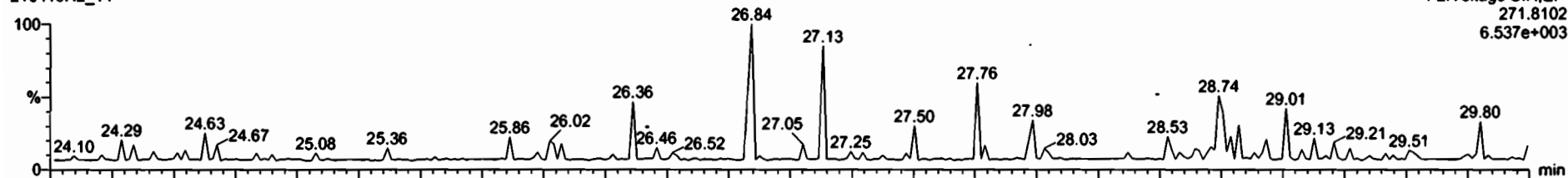
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

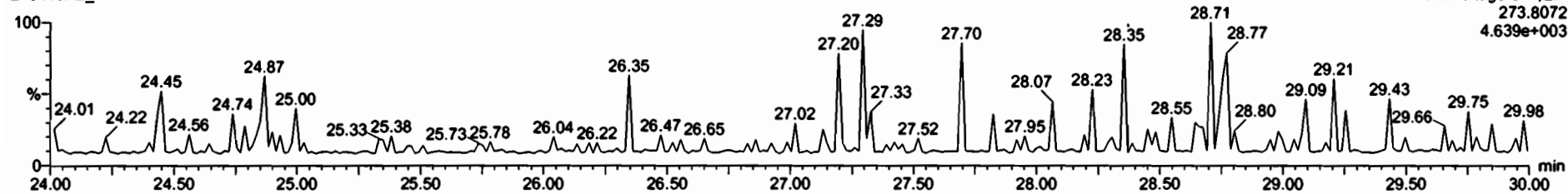
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Heptachlor

210416H2\_14



210416H2\_14

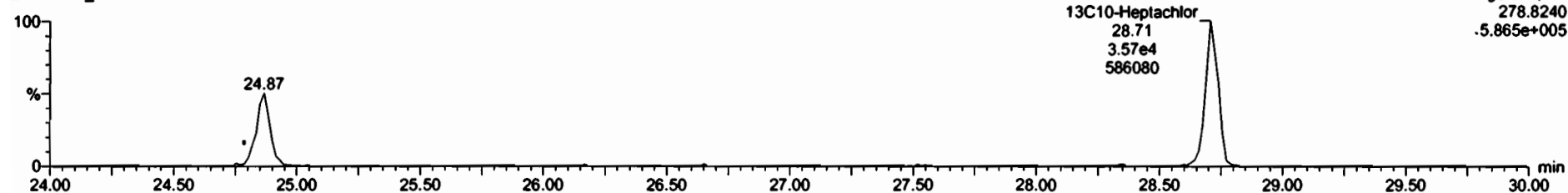


13C10-Heptachlor

210416H2\_14



210416H2\_14



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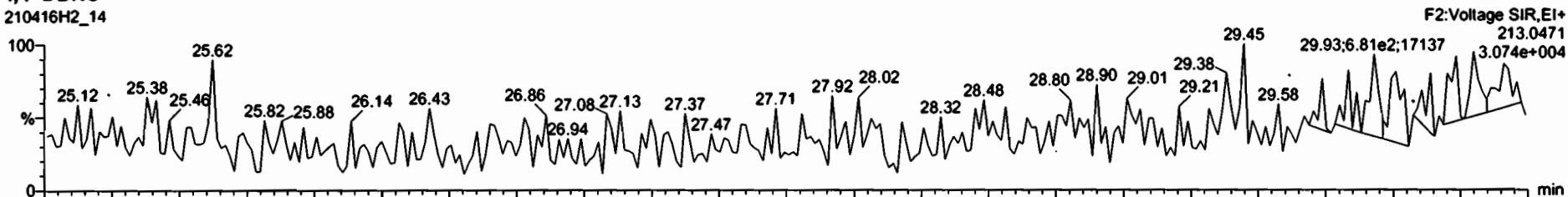
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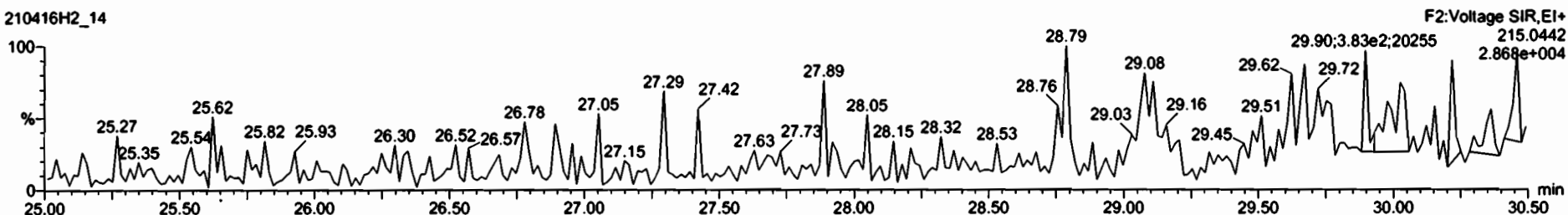
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4,4'-DDNÜ

210416H2\_14



210416H2\_14

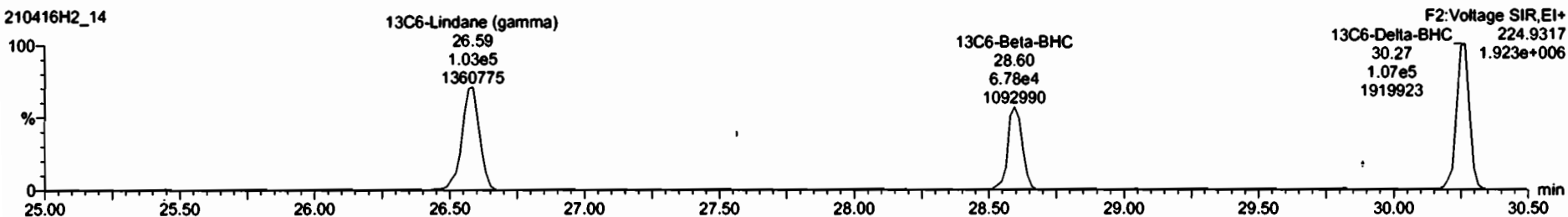


13C6-Delta-BHC

210416H2\_14



210416H2\_14





Dataset: Untitled

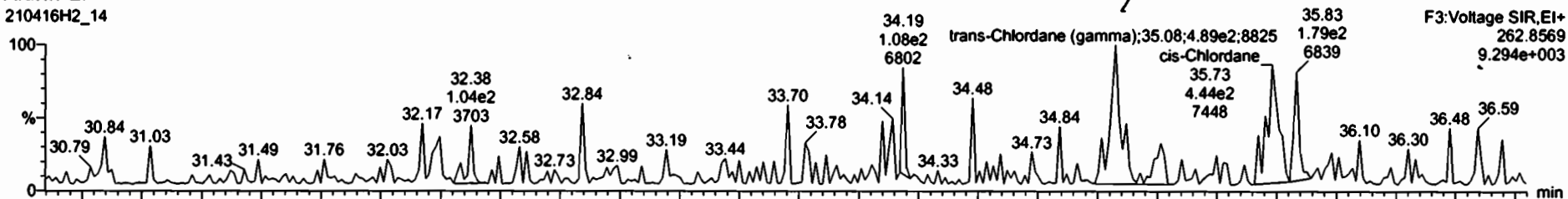
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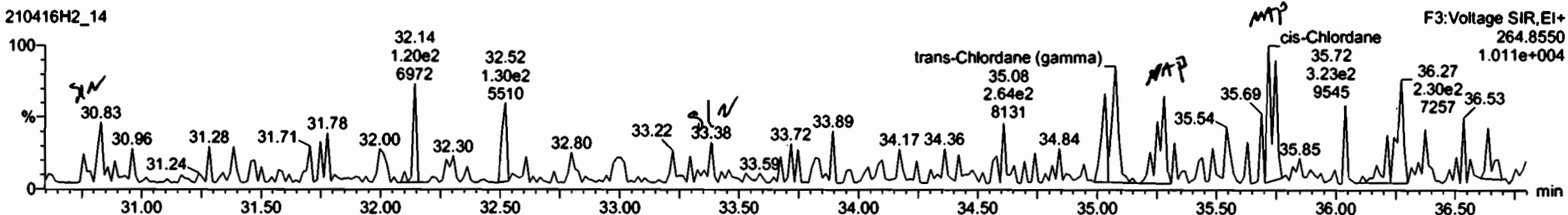
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**Aldrin-EI**

210416H2\_14

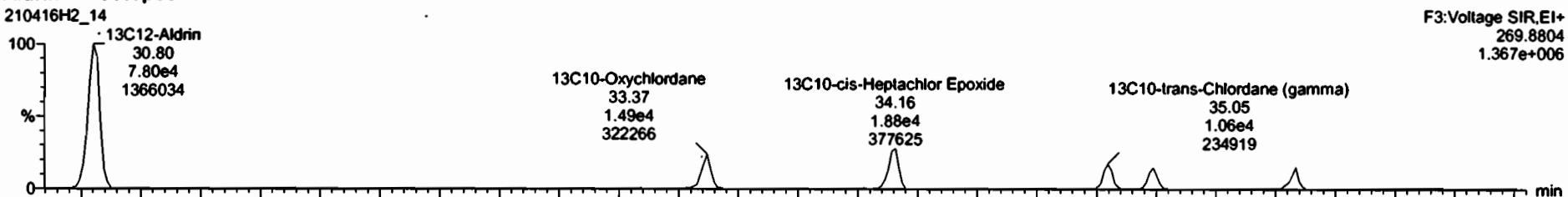


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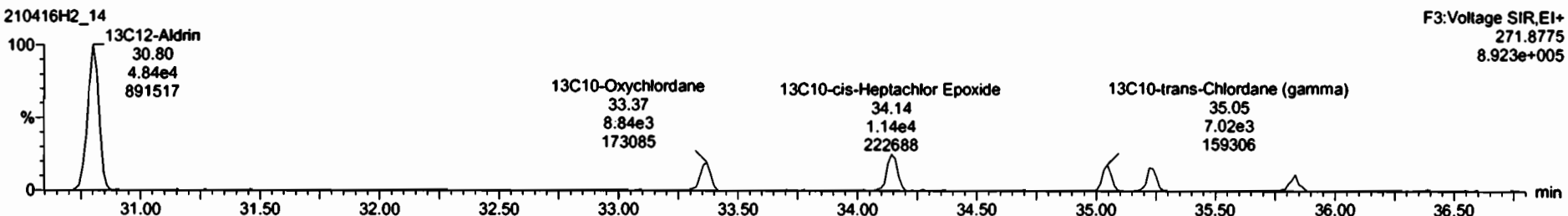


**Aldrin-EI-isotopes**

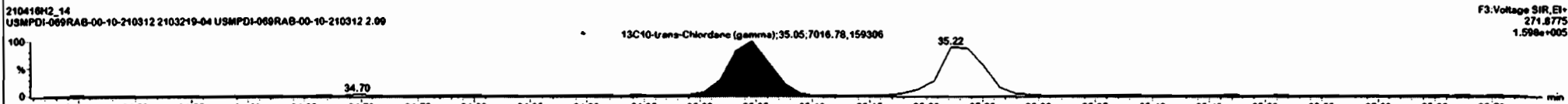
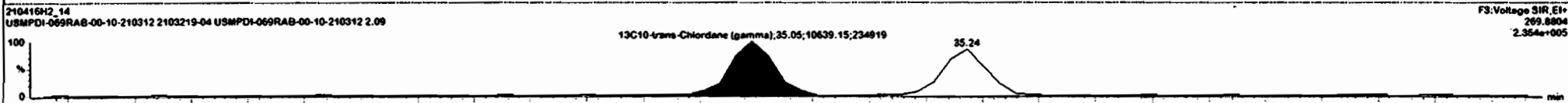
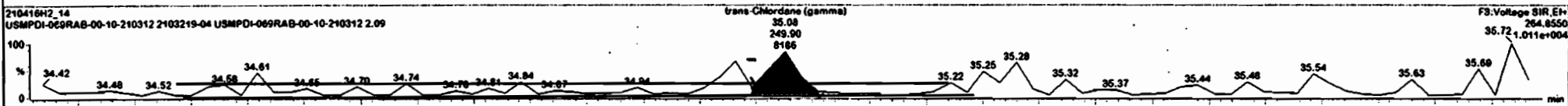
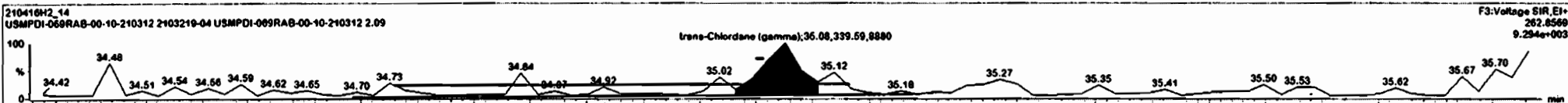
210416H2\_14



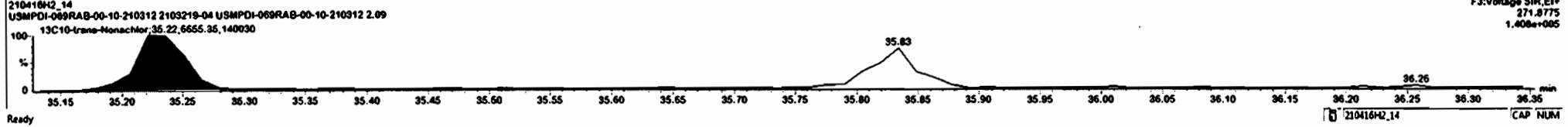
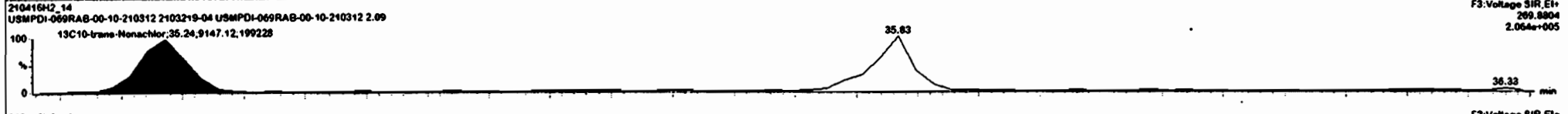
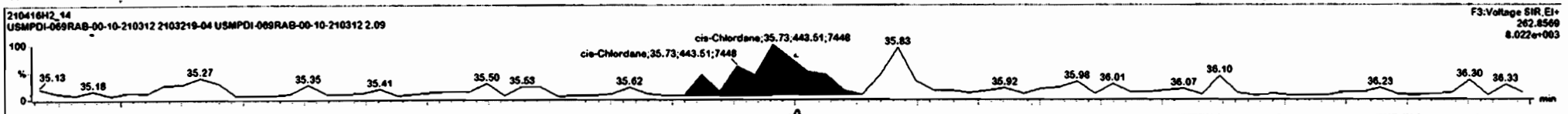
210416H2\_14



#	Name	Resp	SAREA	RA	n/y	RRF	w/vol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.97e4	2.14e6	0.36	YES	0.10	1.6399	10.01	10.02	1.001	1.002	NO	543.6		0.838	259
2	Hexachlorobenzene	5.06e4	1.09e6	1.20	NO	0.98	1.6399	22.71	22.71	1.001	1.000	NO	28.50		0.9341	22.5
3	Alpha-BHC		2.76e5		NO	0.83	1.6399		23.28		1.001	YES				1.54
4	Lindane (gamma-BHC)		1.84e5		NO	0.86	1.6399		26.52		1.000	YES				1.72
5	Beta-BHC		1.29e5		NO	1.00	1.6399		28.64		1.001	YES				1.53
6	Delta-BHC	3.49e2	1.97e5	1.79	NO	0.91	1.6399	30.27	30.20	1.000	1.001	NO	1.193		1.21	1.19
7	Heptachlor		9.28e4		NO	1.10	1.6399		28.74		1.001	YES				0.967
8	4,4'-DDHU	1.51e3	1.97e5	0.91	YES	1.25	1.6399	30.01	30.21	0.992	0.998	NO	4.499		2.24	2.92
9	Altrin		1.26e5		NO	1.09	1.6399		30.82		1.001	YES				1.49
10	Oxychlordane		2.38e4		NO	1.08	1.6399		33.45		1.001	YES				6.21
11	cis-Heptachlor Epoxide		3.01e4		NO	1.08	1.6399		34.19		1.001	YES				5.16
12	trans-Heptachlor Epoxide		3.01e4		NO	0.26	1.6399		34.70		1.018	YES				19.2
13	trans-Chlordane (gamma)	5.69e2	1.77e4	1.36	NO	1.14	1.6399	35.08	35.08	1.001	1.001	NO	17.82		7.64	17.5
14	trans-Nonachlor	3.63e2	1.58e4	0.65	YES	1.06	1.6399	35.28	35.24	1.001	1.000	NO	14.34		6.26	8.37
15	cis-Chlordane	7.87e2	1.58e4	1.37	NO	1.16	1.6399	35.73	35.79	1.014	1.016	NO	25.41		8.44	26.4
16	Endosulfan I (alpha)		1.25e4		NO	1.23	1.6399		35.87		1.001	YES				8.57
17	4,4'-DDU	1.73e4	8.44e5	2.61	NO		1.6399	35.48	35.47	0.964	0.994	NO	30.52		1.60	30.5
18	2,4'-DDE	1.13e5	8.44e5	1.51	NO	1.02	1.6399	35.72	35.69	1.001	1.000	NO	79.98		1.17	80.0
19	4,4'-DDE	2.97e6	4.57e5	1.51	NO	1.04	1.6399	36.77	36.75	1.000	1.000	NO	3821		2.11	3820
20	Dieldrin	1.28e2	3.66e4	2.73	YES	1.03	1.6399	37.28	37.30	1.008	1.001	NO	20.68		7.82	14.2



#	Name	Resp	SAREA	RA	ny	RRF	wt/wt	RT	Prod RT	RAT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.57e4	2.14e6	5.36	YES	0.10	1.6299	10.01	10.02	1.001	1.002	NO	542.6		0.030	259
2	Hexachlorobenzene	5.00e4	1.09e6	1.20	NO	0.99	1.6399	22.71	22.71	1.001	1.000	NO	29.65		0.0341	26.5
3	Alpha-BHC		2.76e5		NO	0.23	1.6399		22.28		1.001	YES			1.04	
4	Lindane (gamma-BHC)		1.64e5		NO	0.86	1.6399		26.52		1.000	YES			1.72	
5	Beta-BHC		1.39e5		NO	1.00	1.6399		26.64		1.001	YES			1.53	
6	Delta-BHC	3.49e2	1.97e5	1.79	NO	0.91	1.6399	30.27	30.35	1.000	1.001	NO	1.193		1.21	1.19
7	Heptachlor		8.28e4		NO	1.10	1.6399		26.74		1.001	YES			0.967	
8	4,4'-DDHU	1.61e3	1.97e5	0.91	YES	1.21	1.6399	30.31	30.21	0.992	0.998	NO	4.498		2.24	2.52
9	Aldrin		1.26e5		NO	1.29	1.6399		30.83		1.001	YES			1.40	
10	Oryzathrione		2.38e4		NO	1.06	1.6399		31.40		1.001	YES			6.21	
11	cis-Heptachlor Epoxide		3.01e4		NO	1.28	1.6399		34.19		1.001	YES			5.15	
12	trans-Heptachlor Epoxide		3.01e4		NO	0.25	1.6399		34.70		1.016	YES			19.2	
13	trans-Chlordane (gamma)	5.89e2	1.77e4	1.56	NO	1.14	1.6399	35.08	35.08	1.001	1.001	NO	17.82		7.64	17.5
14	trans-Nonachlor		1.58e4		NO	1.28	1.6399		35.24		1.000	YES			9.29	
15	cis-Chlordane	7.67e2	1.58e4	1.37	NO	1.18	1.6399	35.73	35.79	1.014	1.016	NO	25.41		8.44	25.4
16	Endosulfan I (alpha)		1.25e4		NO	1.23	1.6399		35.87		1.001	YES			8.57	
17	4,4'-DDDU	1.73e4	8.44e5	2.61	NO		1.6399	35.48	35.47	0.964	0.994	NO	30.53		1.60	20.3
18	2,4'-DDE	1.13e5	8.44e5	1.51	NO	1.02	1.6399	35.72	35.69	1.001	1.000	NO	79.89		1.17	80.0
19	4,4'-DDE	2.97e6	4.57e5	1.51	NO	1.04	1.6399	36.77	36.75	1.000	1.000	NO	3821		2.11	3620
20	Delta	1.29e3	3.66e4	2.72	YES	1.03	1.6399	37.28	37.20	1.000	1.001	NO	20.68		7.86	14.2



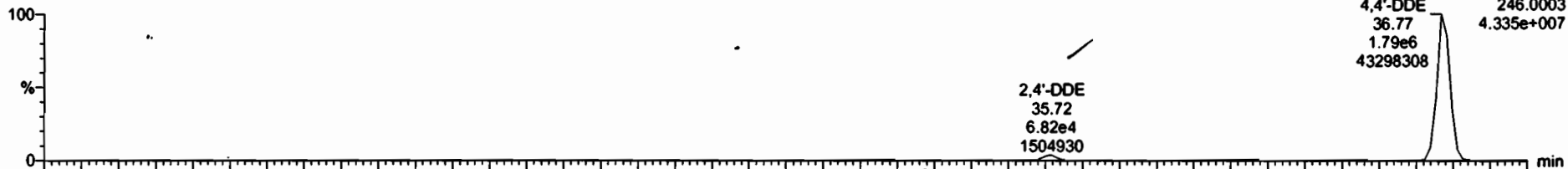
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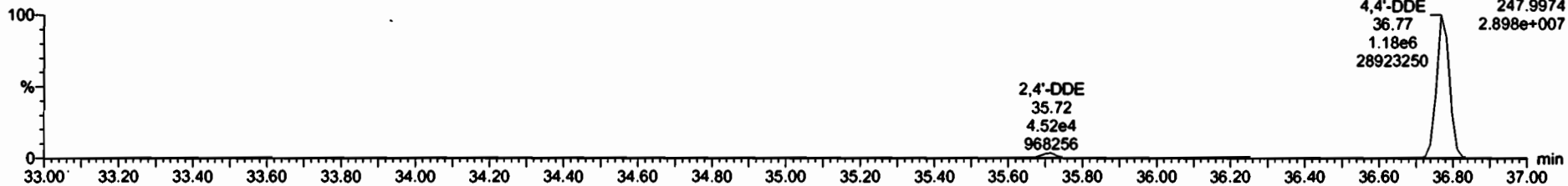
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**DDMU-DDE**

210416H2\_14



210416H2\_14

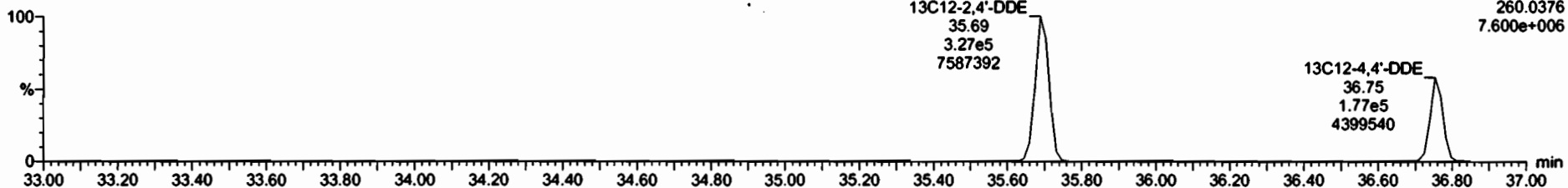


**DDE-isotopes**

210416H2\_14



210416H2\_14



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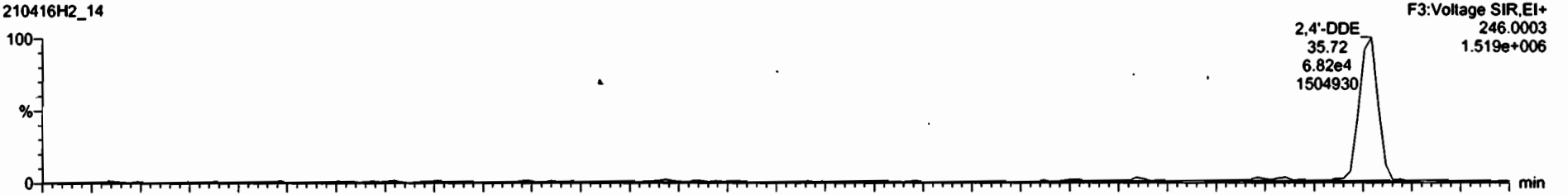
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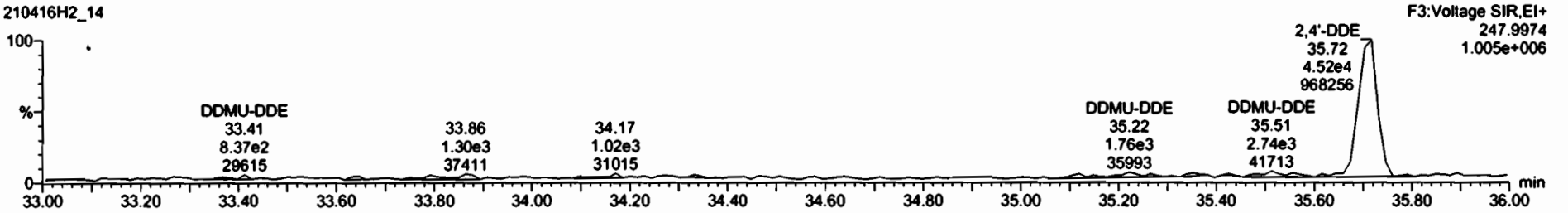
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**2,4'-DDE**

210416H2\_14

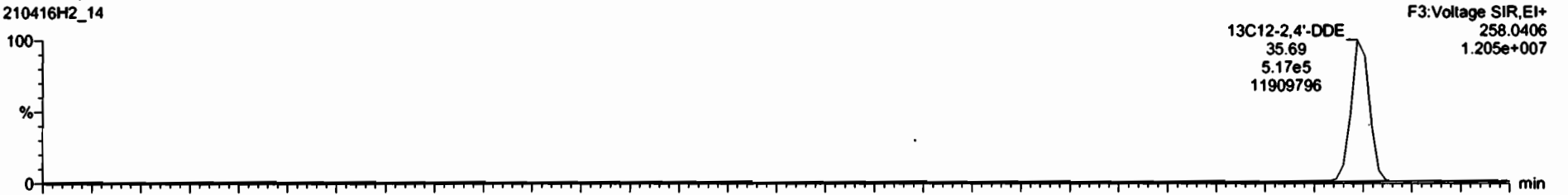


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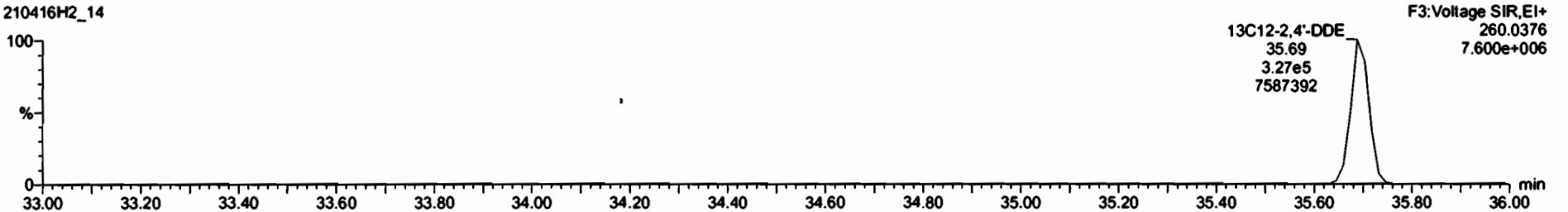


**13C12-2,4'-DDE**

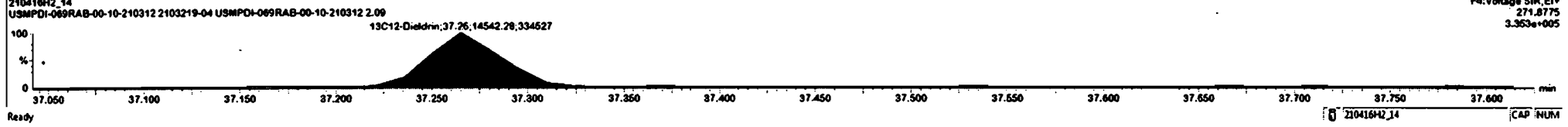
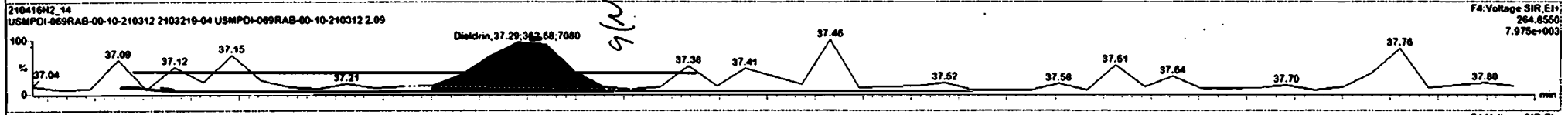
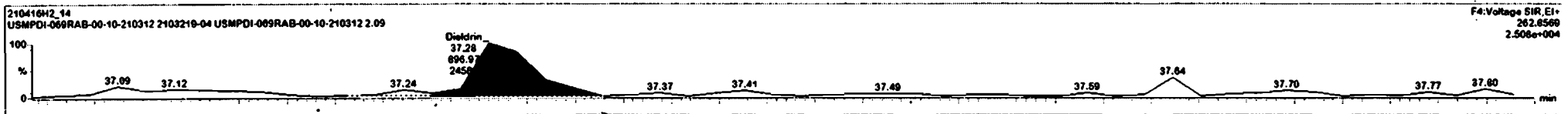
210416H2\_14



210416H2\_14



#	Name	Resp	ISAREA	RA	ny	RRF	wt/wt	RT	Pred RT	RRT	Pred RRT	Correct RRT	Conc	%Rec	DL	ELPC
1	Hexachlorobutadiene	1.97e4	2.14e6	5.36	YES	0.10	1.6399	10.01	10.02	1.001	1.002	NO	542.6		0.636	259
2	Hexachlorobenzene	5.00e4	1.06e5	1.20	NO	0.98	1.6399	22.71	22.71	1.001	1.000	NO	28.50		0.0251	22.5
3	Alpha-BHC		2.76e5		NO	0.83	1.6399		27.28		1.001	YES			1.94	
4	Lindane (gamma-BHC)		1.84e5		NO	0.86	1.6399		29.52		1.000	YES			1.72	
5	Beta-BHC		1.39e5		NO	1.00	1.6399		28.64		1.001	YES			1.53	
6	Delta-BHC	3.45e2	1.97e5	1.75	NO	0.91	1.6399	30.27	30.30	1.000	1.001	NO	1.192		1.21	1.19
7	Heptachlor		8.20e4		NO	1.10	1.6399		26.74		1.001	YES			0.967	
8	4,4'-DDMU	1.31e3	1.97e5	0.91	YES	1.25	1.6399	30.01	30.21	0.992	0.998	NO	4.499		3.24	2.32
9	Alrin		1.26e5		NO	1.09	1.6399		30.62		1.001	YES			1.40	
10	Orychordane		2.38e4		NO	1.06	1.6399		33.40		1.001	YES			6.21	
11	cis-Heptachlor Epoxide		3.01e4		NO	1.08	1.6399		34.19		1.001	YES			5.19	
12	trans-Heptachlor Epoxide		3.01e4		NO	0.25	1.6399		34.73		1.016	YES			19.2	
13	trans-Chlordane (gamma)	5.89e2	1.77e4	1.36	NO	1.14	1.6399	35.03	35.08	1.001	1.001	NO	17.82		7.64	17.9
14	trans-Nonachlor		1.56e4		NO	1.09	1.6399		35.24		1.000	YES			8.25	
15	cis-Chlordane		1.58e4		NO	1.18	1.6399		35.79		1.016	YES			8.44	
16	Endosulfan I (alpha)		1.25e4		NO	1.23	1.6399		35.87		1.001	YES			8.57	
17	4,4'-DDMU	1.73e4	8.44e5	2.61	NO		1.6399	35.48	35.47	0.994	0.994	NO	30.53		1.60	20.2
18	4,4'-DDE	1.13e5	8.44e5	1.51	NO	1.32	1.6399	35.72	35.69	1.001	1.000	NO	79.96		1.17	83.0
19	4,4'-DDE	2.97e8	4.57e5	1.51	NO	1.04	1.6399	36.77	36.75	1.000	1.000	NO	3821		2.11	3825
20	Dieldrin	1.28e3	3.80e4	2.47	YES	1.03	1.6399	37.26	37.26	1.000	1.001	NO	20.36		7.88	15.0

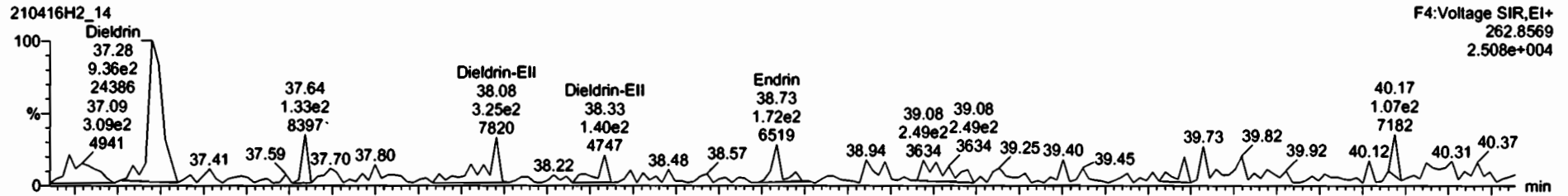


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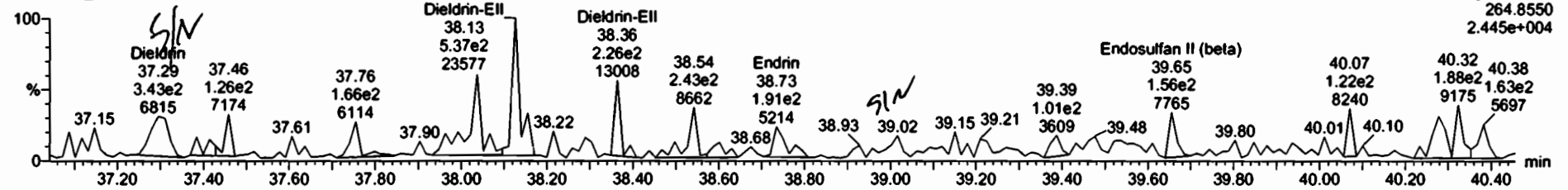
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

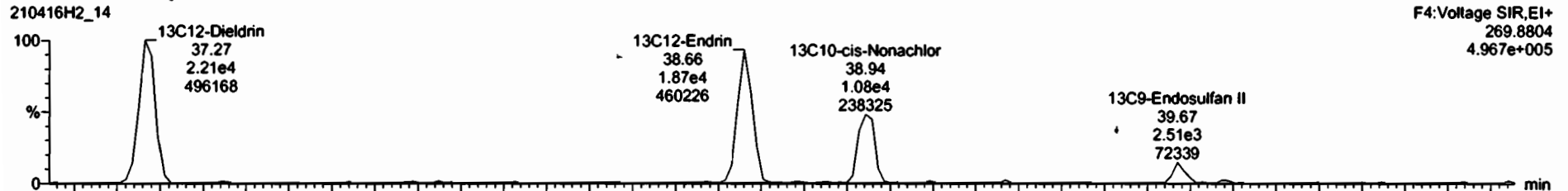
**Dieldrin-EII**



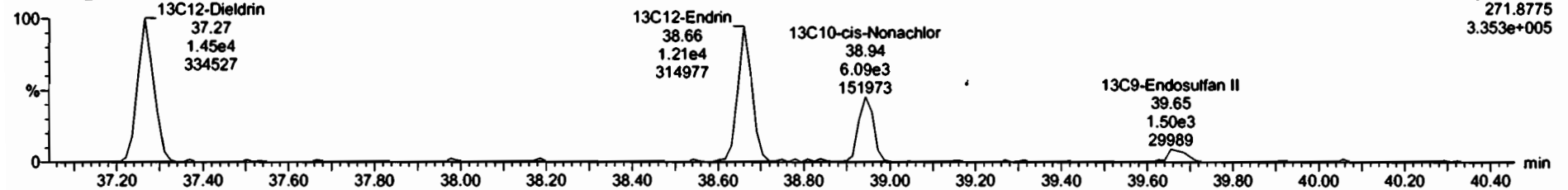
210416H2\_14



**Dieldrin-EII-isotopes**



210416H2\_14



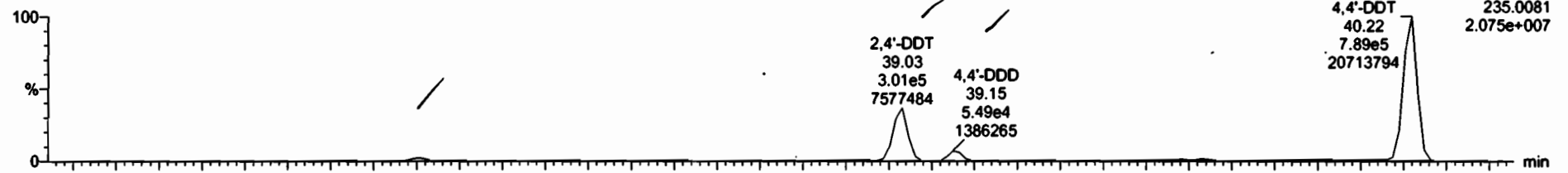
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

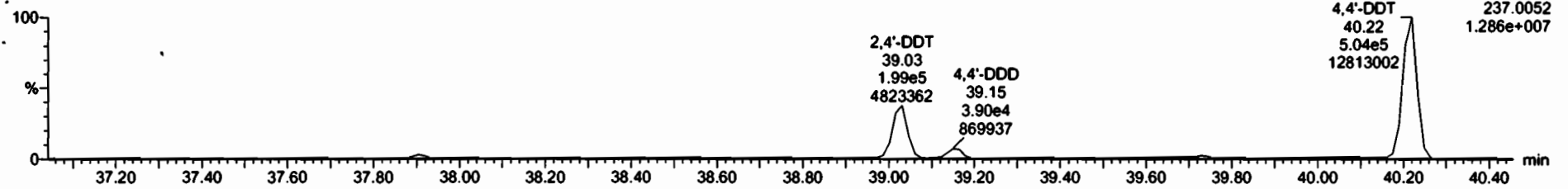
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DDD-DDT

210416H2\_14

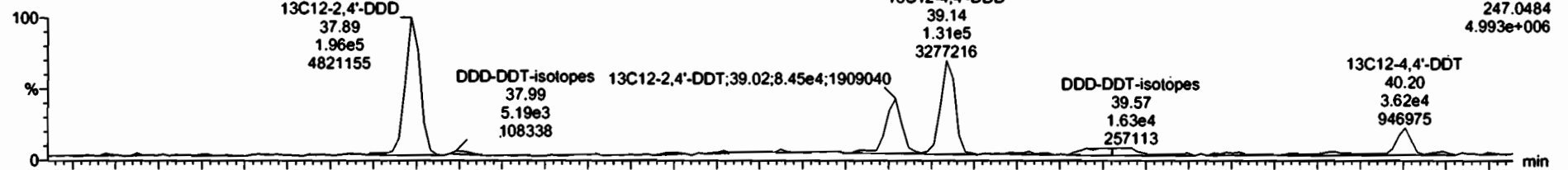


210416H2\_14

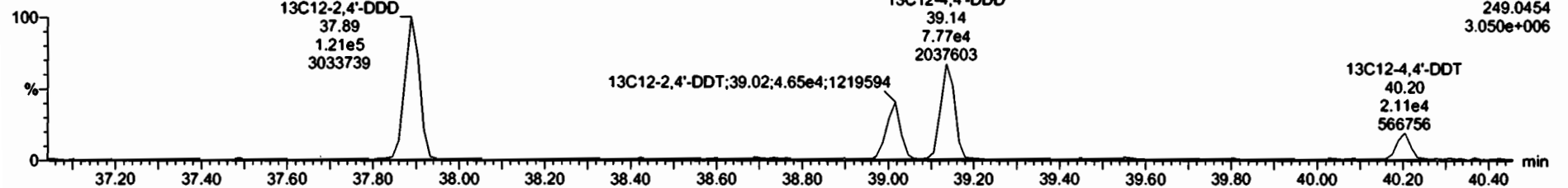


DDD-DDT-isotopes

210416H2\_14



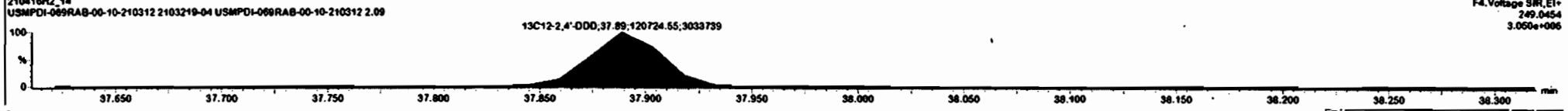
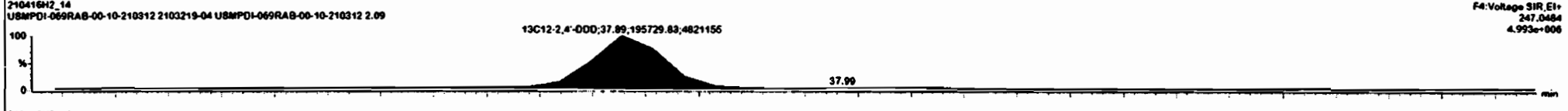
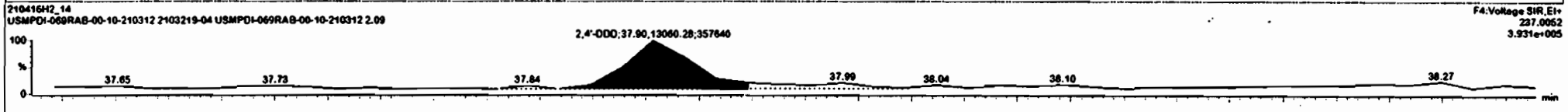
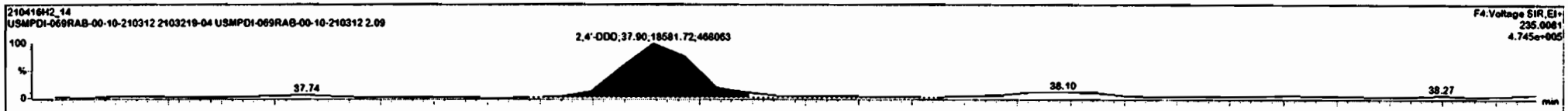
210416H2\_14





210416H2\_14 - 2103219-04 USMPDI-069RAB 00-10-210312 2.09 - USMPDI-069RAB-00-10-210312

#	Name	Resp	S AREA	RA	ny	RRF	w/vol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
5	Beta-BHC		1.39e5		NO	1.00	1.6399		28.64		1.001	YES			1.53	
6	Delta-BHC	3.45e2	1.97e5	1.79	NO	0.91	1.6399	30.27	30.30	1.000	1.001	NO	1.193		1.21	1.19
7	Heptachlor		8.28e4		NO	1.10	1.6399		22.74		1.001	YES			0.987	
8	4,4'-DDU	1.81e3	1.97e5	0.91	YES	1.25	1.6399	30.21	30.21	0.992	0.998	NO	4.499		3.24	2.82
9	Alorn		1.26e5		NO	1.09	1.6399		30.82		1.001	YES			1.40	
10	Oxychlorane		2.38e4		NO	1.06	1.6399		33.40		1.001	YES			6.21	
11	cis-Heptachlor Epoxide		3.01e4		NO	1.08	1.6399		34.19		1.001	YES			5.19	
12	trans-Heptachlor Epoxide		3.01e4		NO	0.29	1.6399		34.70		1.016	YES			19.2	
13	trans-Chlordane (gamma)	5.89e2	1.77e4	1.38	NO	1.14	1.6399	35.05	35.08	1.001	1.001	NO	17.82		7.64	17.9
14	trans-Nonachlor		1.58e4		NO	1.08	1.6399		35.24		1.000	YES			9.29	
15	cis-Chlordane		1.58e4		NO	1.16	1.6399		35.79		1.016	YES			8.44	
16	Endosulfan I (alpha)		1.25e4		NO	1.23	1.6399		35.87		1.001	YES			8.57	
17	4,4'-DDMU	1.73e4	8.44e5	2.61	NO		1.6399	35.48	35.47	0.964	0.994	NO	50.53		1.60	30.3
18	2,4'-DDE	1.13e5	8.44e5	1.51	NO	1.02	1.6399	35.72	35.99	1.001	1.000	NO	79.89		1.17	80.0
19	4,4'-DDE	2.87e6	4.57e5	1.51	NO	1.04	1.6399	36.77	36.75	1.000	1.000	NO	3821		2.11	3620
20	Dieldrin		3.66e4		NO	1.23	1.6399		37.30		1.001	YES			7.88	
21	Endrin	1.63e2	3.00e4	0.90	YES	1.01	1.6399	38.74	38.70	1.002	1.001	NO	7.118		8.74	5.54
22	cis-Nonachlor		1.69e4		NO	1.00	1.6399		38.54		1.000	YES			17.9	
23	Endosulfan I (beta)	2.63e2	4.01e5	0.72	YES	1.07	1.6399	39.89	39.87	1.000	1.000	NO	38.15		53.9	26.3
24	2,4'-DDD	3.16e4	3.16e5	1.42	NO	1.07	1.6399	37.90	37.89	1.000	1.000	NO	57.19		6.36	57.2



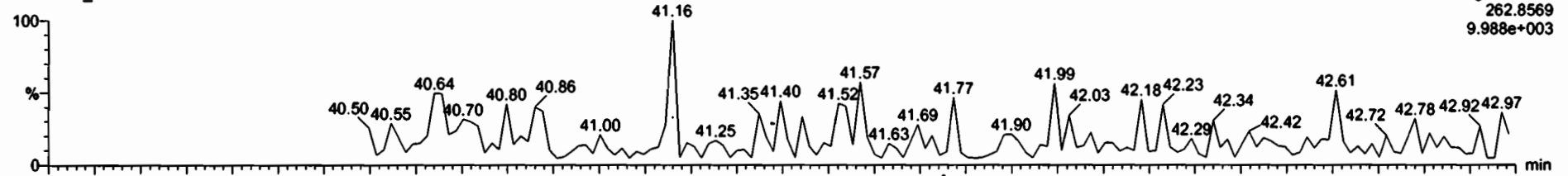
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

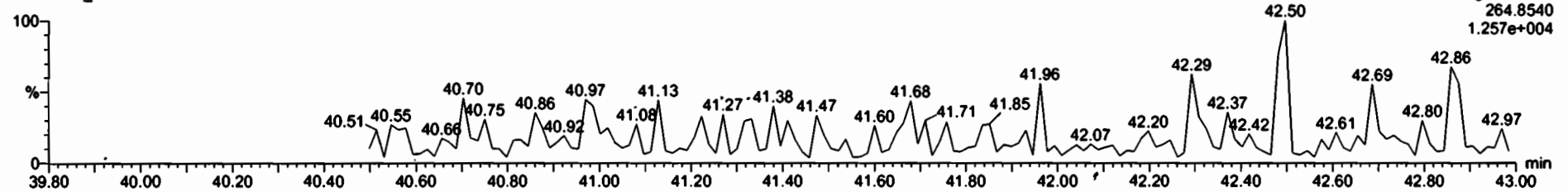
Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

Endosulfan Sulfate

210416H2\_14

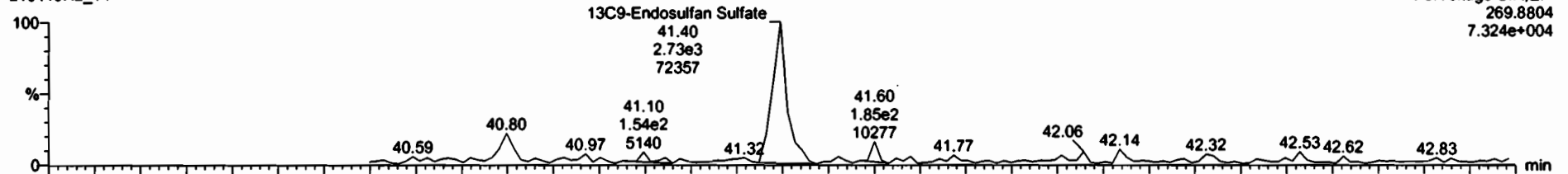


210416H2\_14

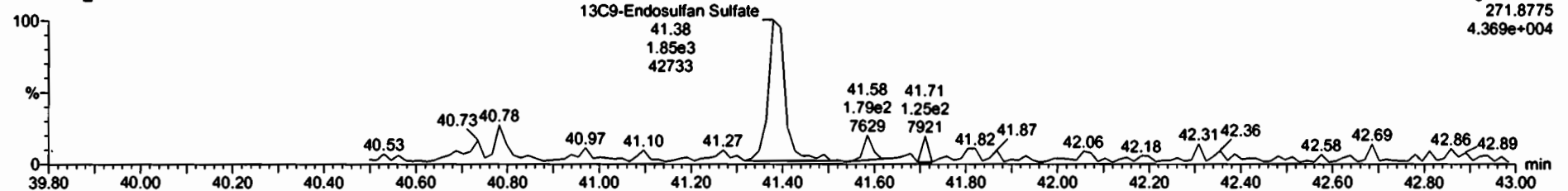


13C9-Endosulfan Sulfate

210416H2\_14



210416H2\_14



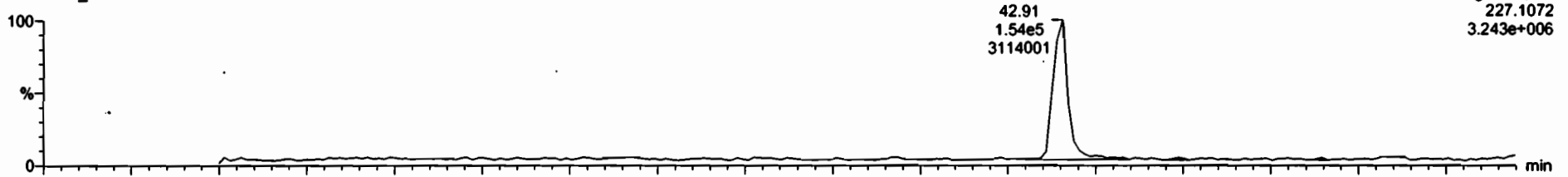
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

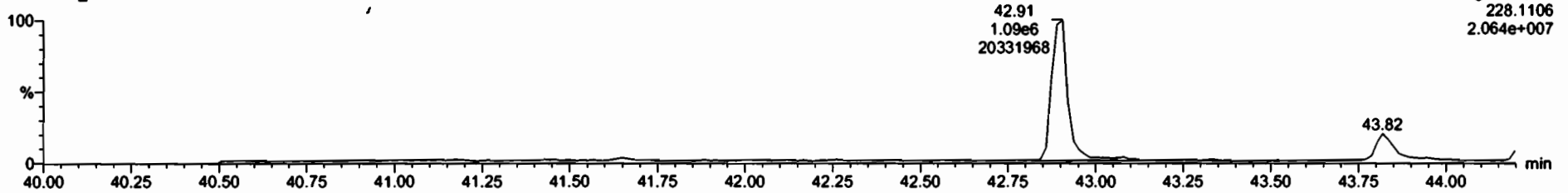
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4,4'-Methoxychlor

210416H2\_14

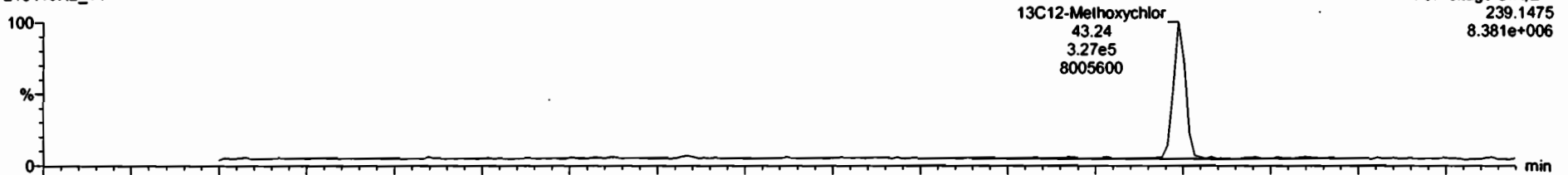


210416H2\_14

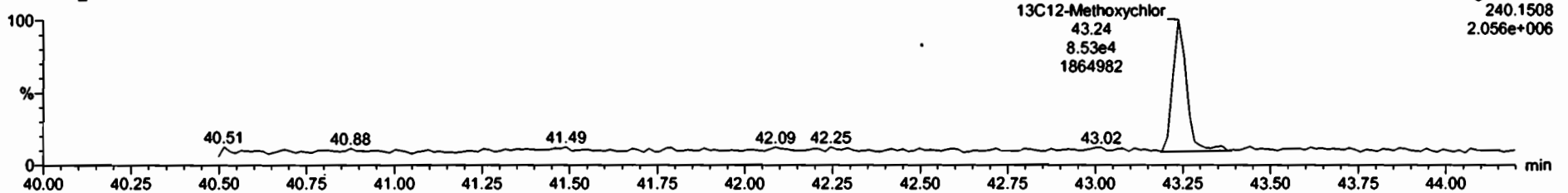


13C12-Methoxychlor

210416H2\_14



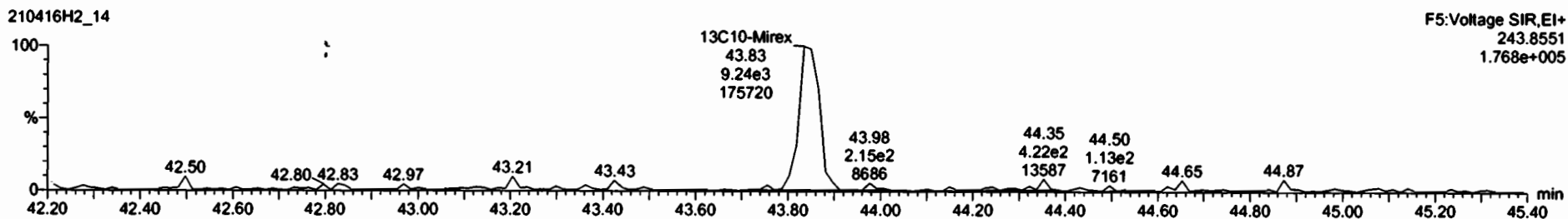
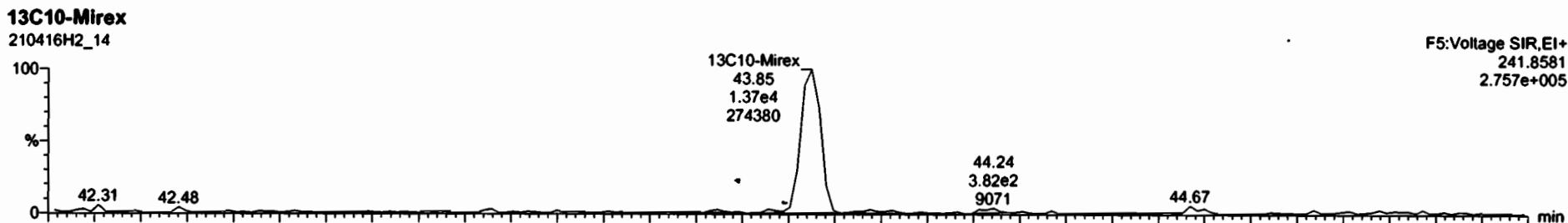
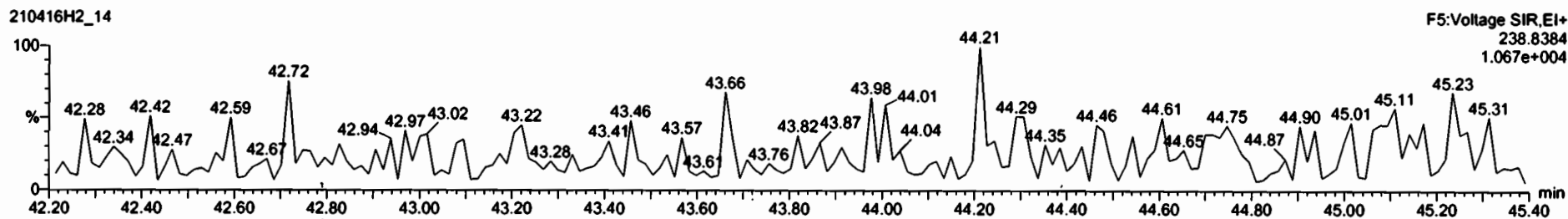
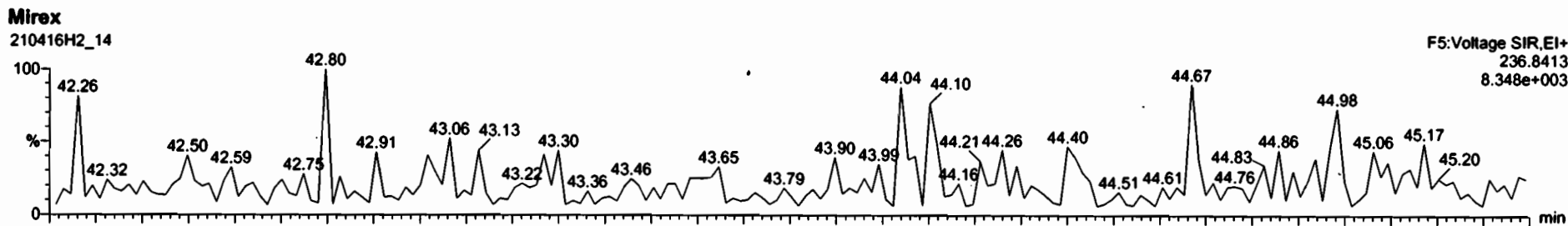
210416H2\_14



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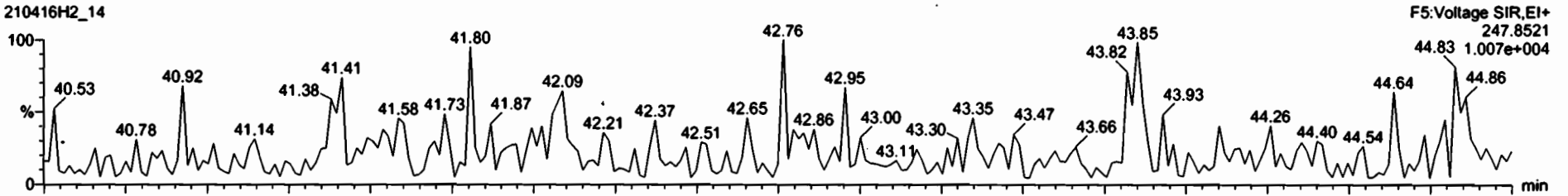
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

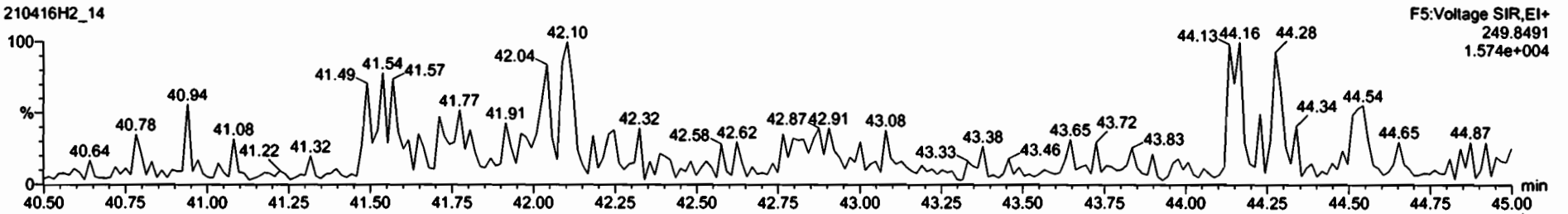
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EA-EK

210416H2\_14

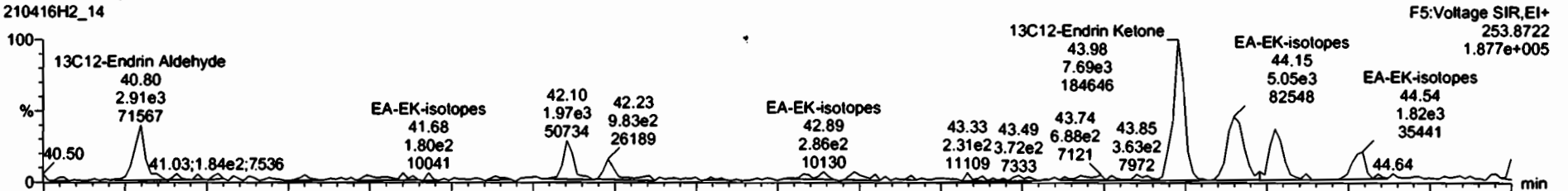


210416H2\_14

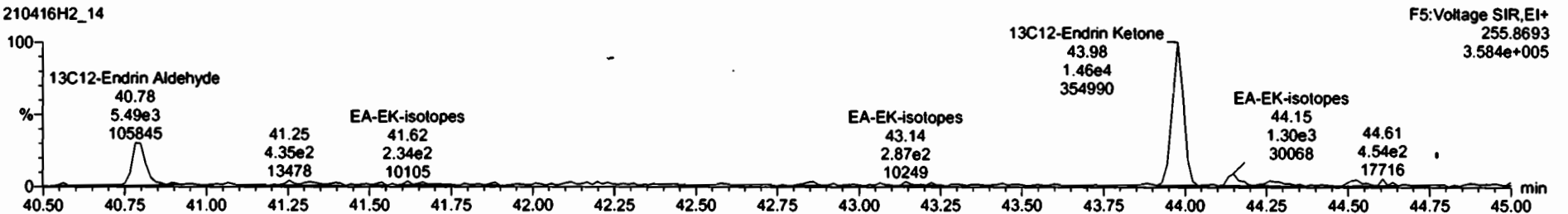


EA-EK-isotopes

210416H2\_14



210416H2\_14



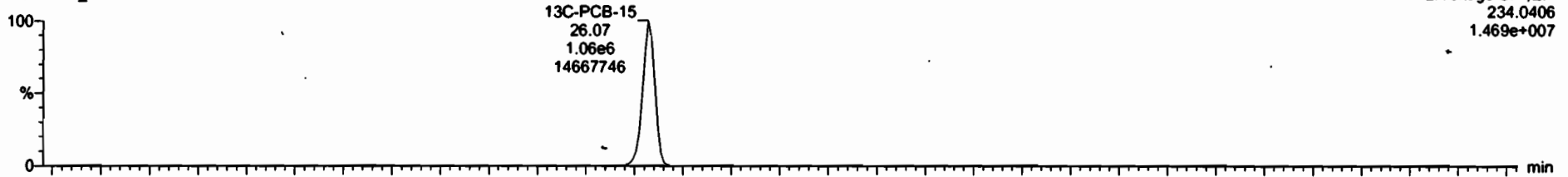
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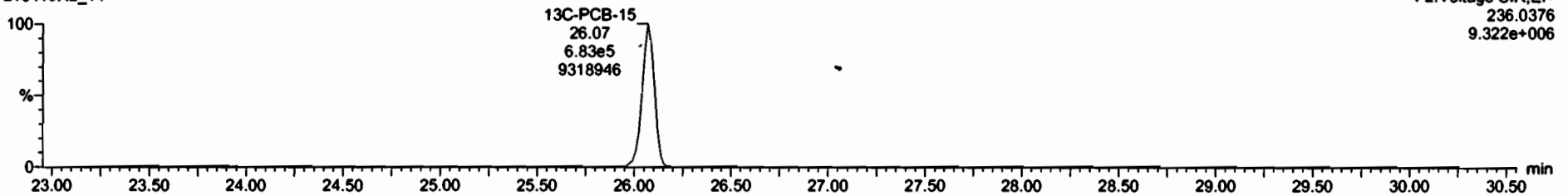
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13C-PCB-15

210416H2\_14

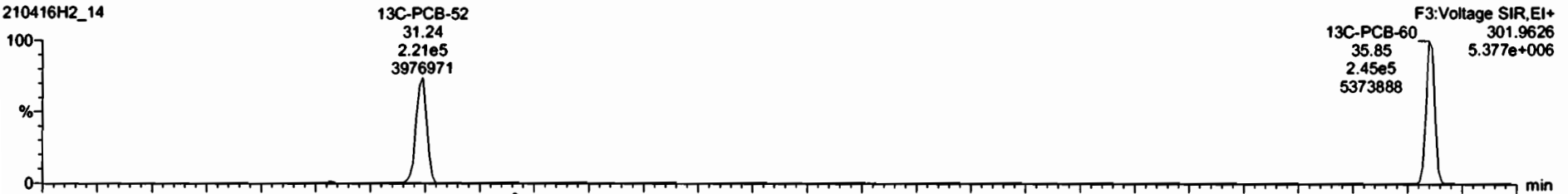


210416H2\_14

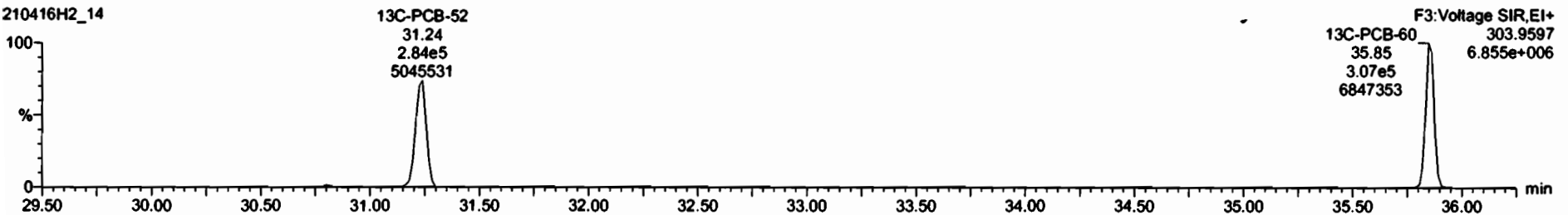


13C-PCB-60

210416H2\_14



210416H2\_14



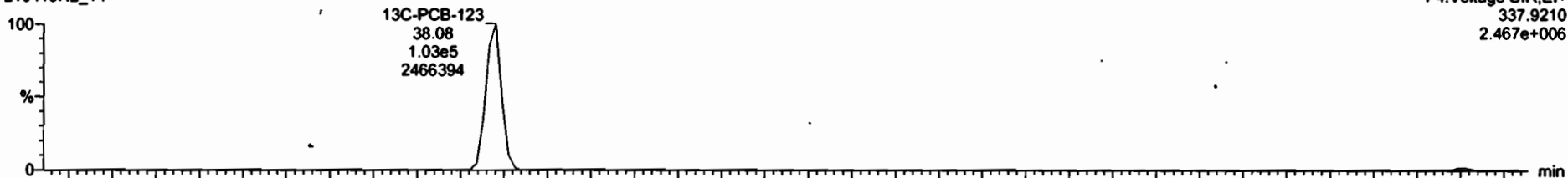
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

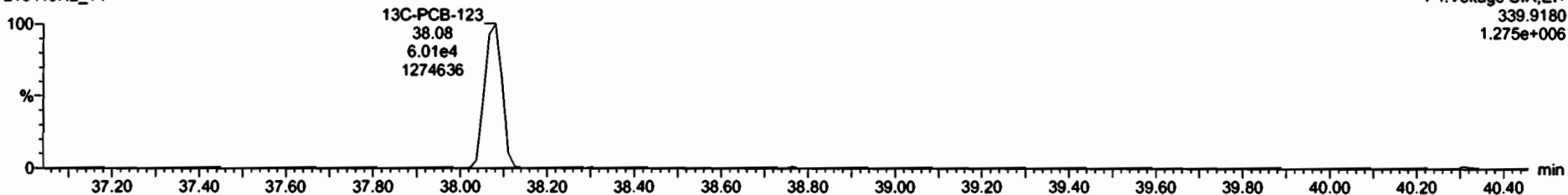
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13C-PCB-123

210416H2\_14



210416H2\_14

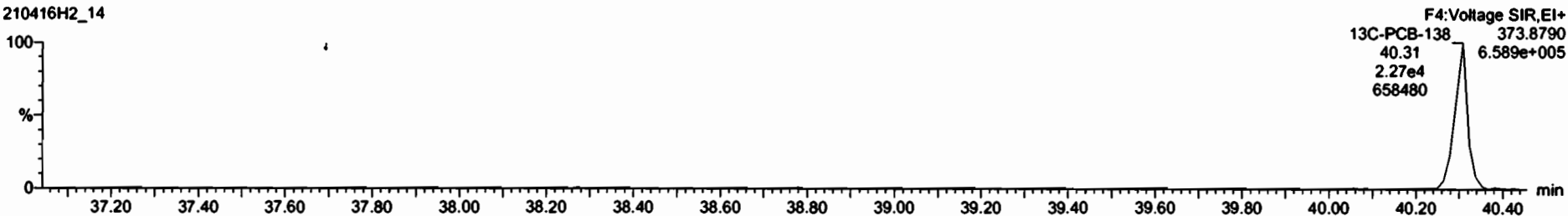


13C-PCB-138

210416H2\_14



210416H2\_14



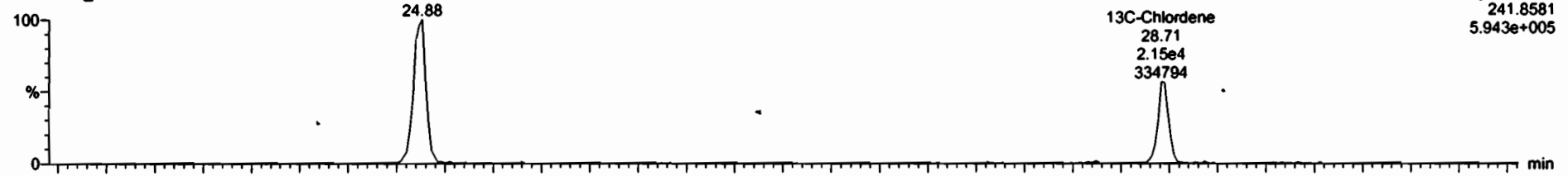
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

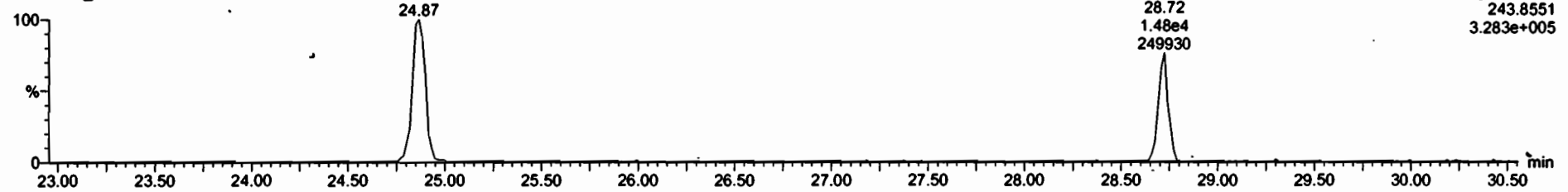
13C-Chlordene

210416H2\_14



F2:Voltage SIR,EI+  
241.8581  
5.943e+005

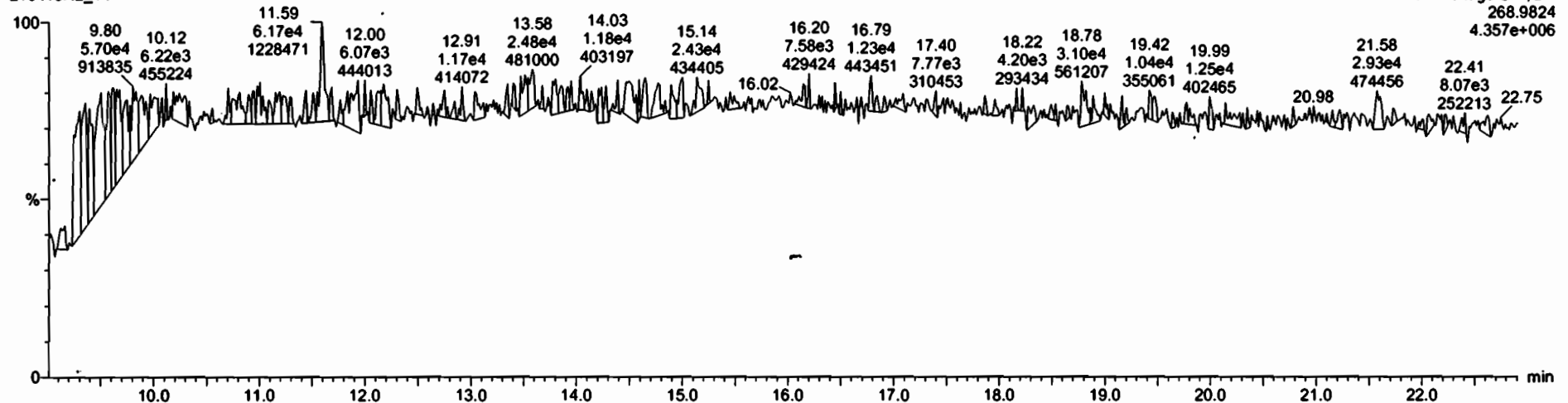
210416H2\_14



F2:Voltage SIR,EI+  
243.8551  
3.283e+005

PFK1

210416H2\_14



F1:Voltage SIR,EI+  
268.9824  
4.357e+006



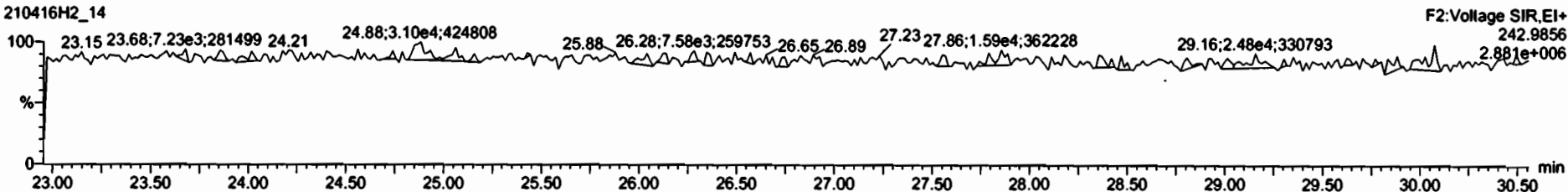
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Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_14, Date: 16-Apr-2021, Time: 21:19:51, ID: 2103219-04 USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

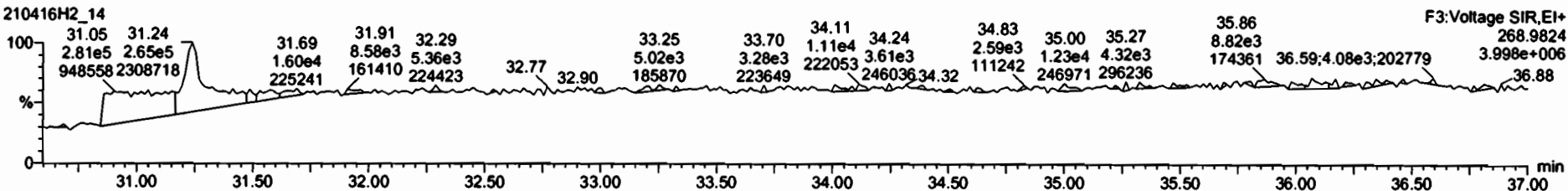
PFK2

210416H2\_14



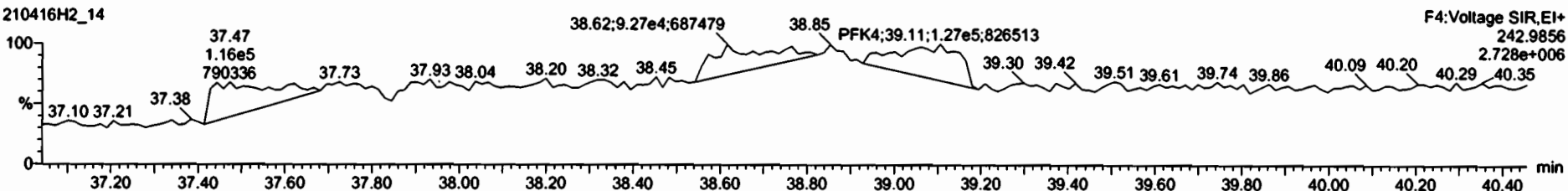
PFK3

210416H2\_14



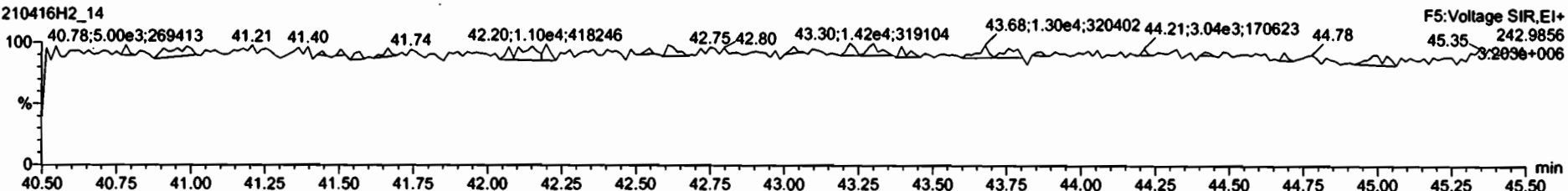
PFK4

210416H2\_14



PFK5

210416H2\_14



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_17.qld

Last Altered: Wednesday, April 21, 2021 14:05:01 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 15:30:04 Pacific Daylight Time

DF 04/21/21  
OC 04/26/21

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

CT 04/26/2021

Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312, Task: ICAL210420H5

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
27	4,4'-DDT	2.95e5	1.36e4	1.59	NO	1.11	1.640	40.22	1.000	1.001	NO	11949		52.7	11900
55	13C12-4,4'-DDT	1.36e4	8.78e4	1.50	NO	0.455	1.640	40.20	1.122	1.122	NO	207.30	34.0	31.6	
63	13C-PCB-60	8.78e4	8.78e4	0.82	NO	1.00	1.640	35.85	1.000	1.000	NO	609.80	100	2.96	

Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

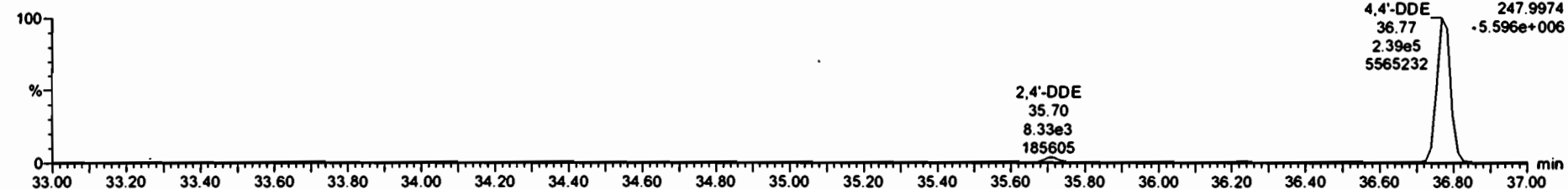
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DDMU-DDE

210420H5\_17

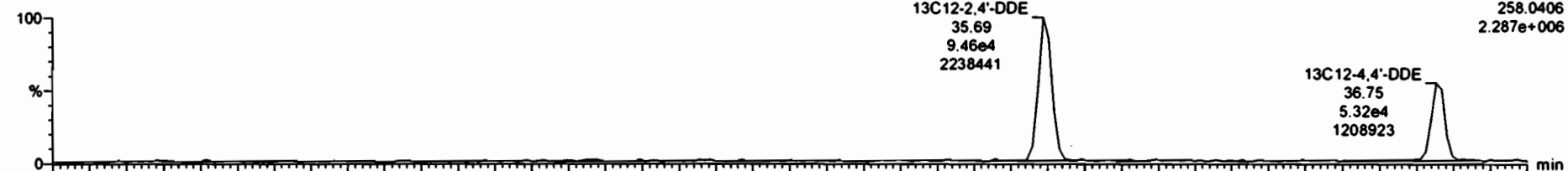


210420H5\_17

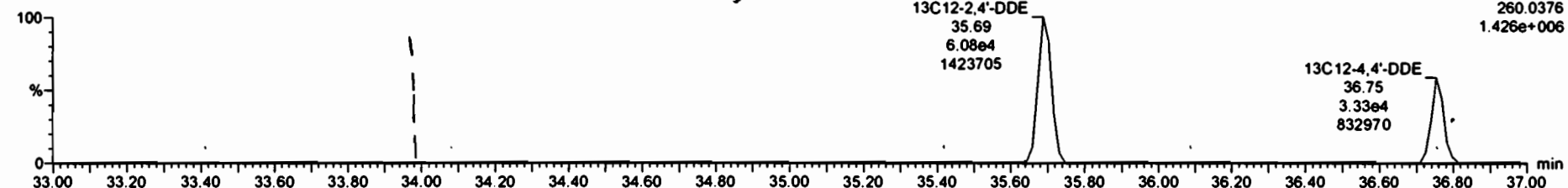


DDE-isotopes

210420H5\_17



210420H5\_17



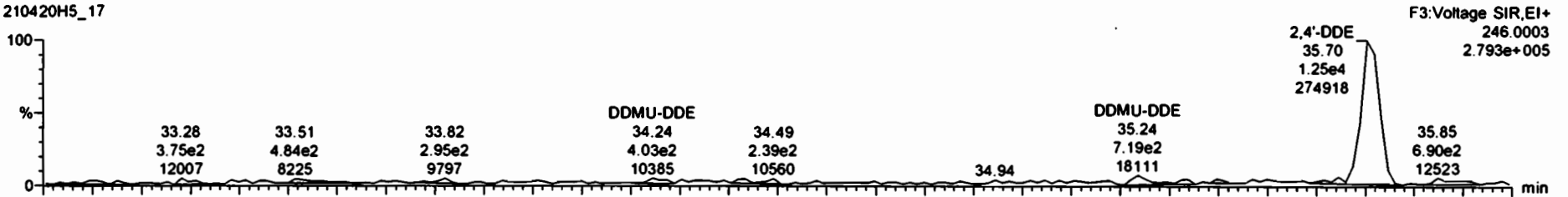
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Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

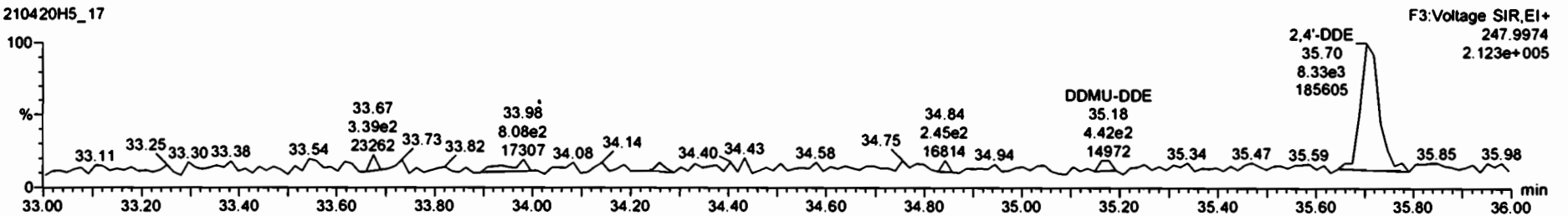
Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

2,4'-DDE

210420H5\_17

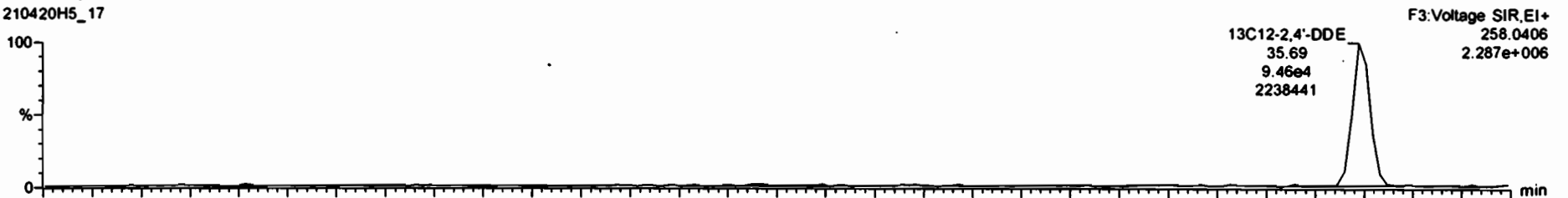


210420H5\_17

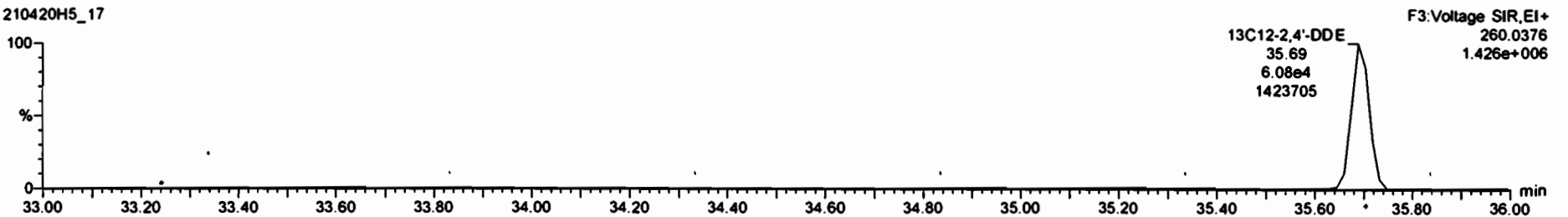


13C12-2,4'-DDE

210420H5\_17



210420H5\_17

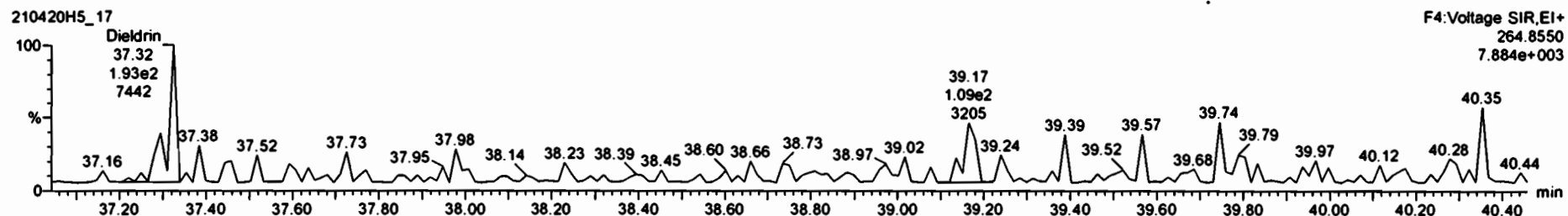
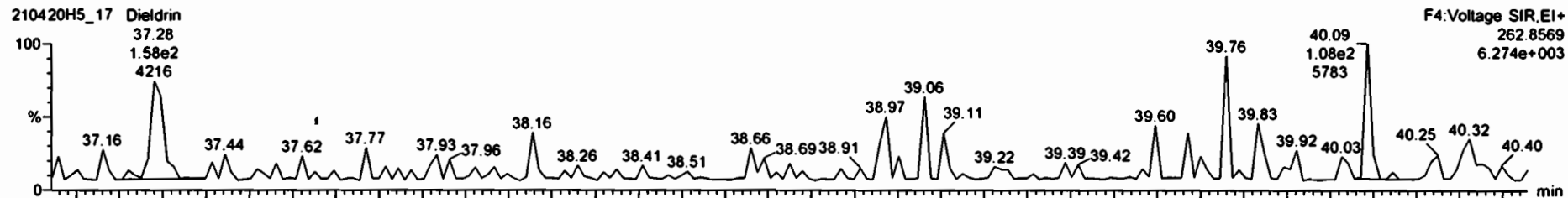


Dataset: Untitled

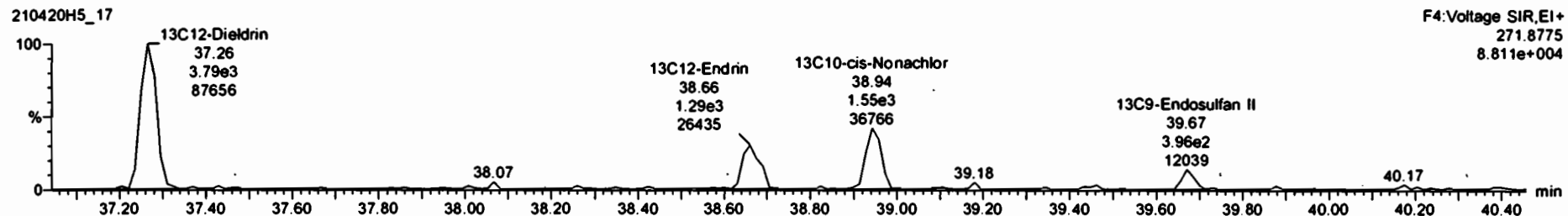
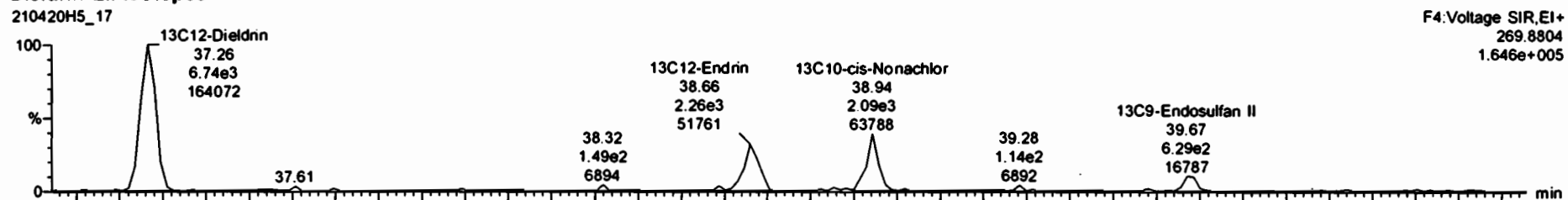
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

**Dieldrin-EII**



**Dieldrin-EII-isotopes**



Dataset: Untitled

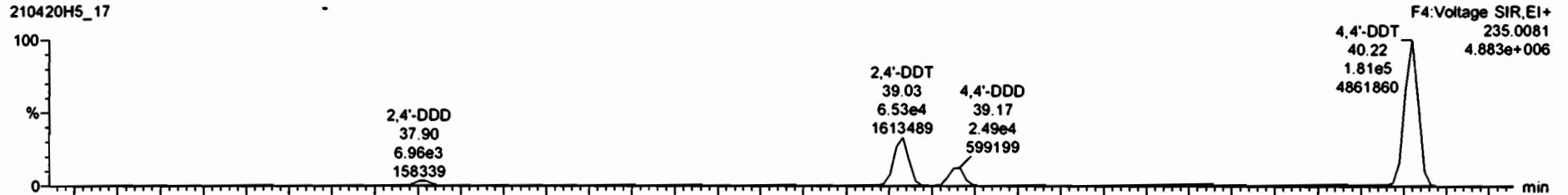
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

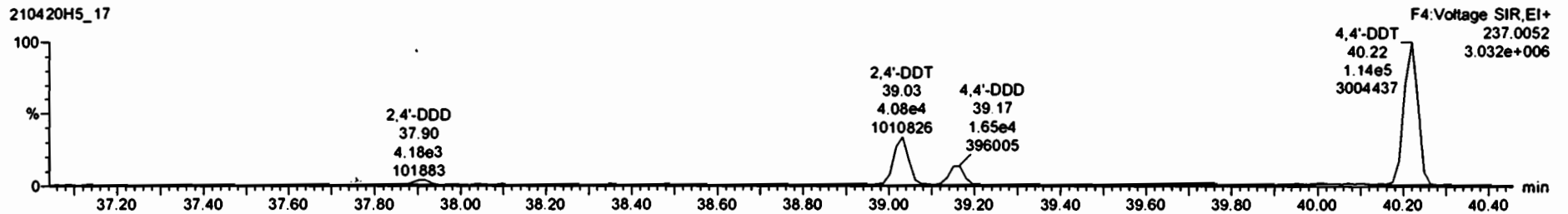
Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

DDD-DDT

210420H5\_17

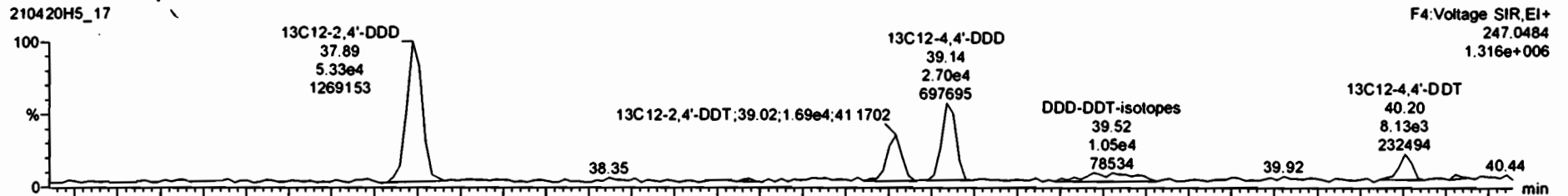


210420H5\_17

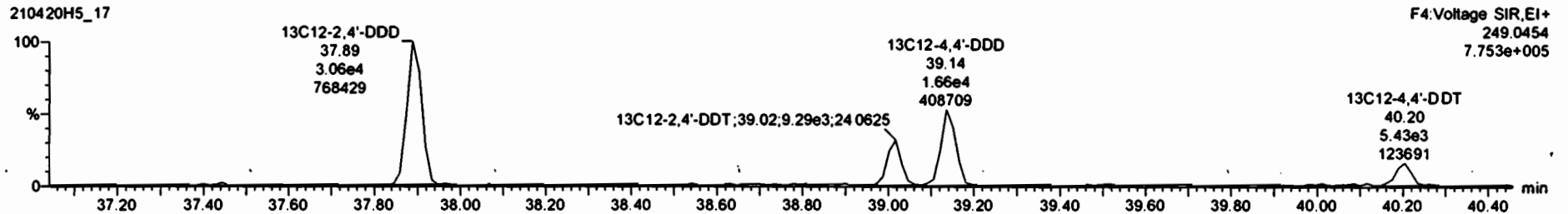


DDD-DDT-isotopes

210420H5\_17



210420H5\_17



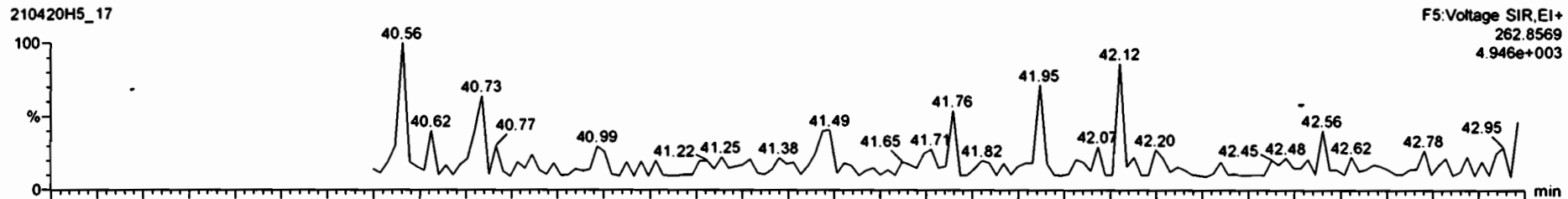
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Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

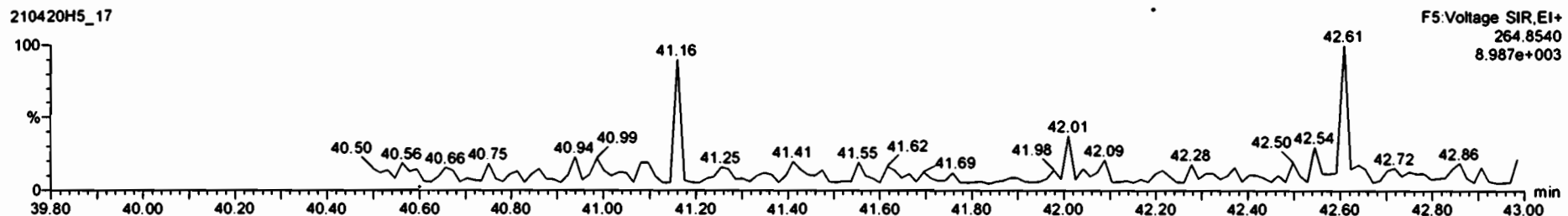
Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

Endosulfan Sulfate

210420H5\_17

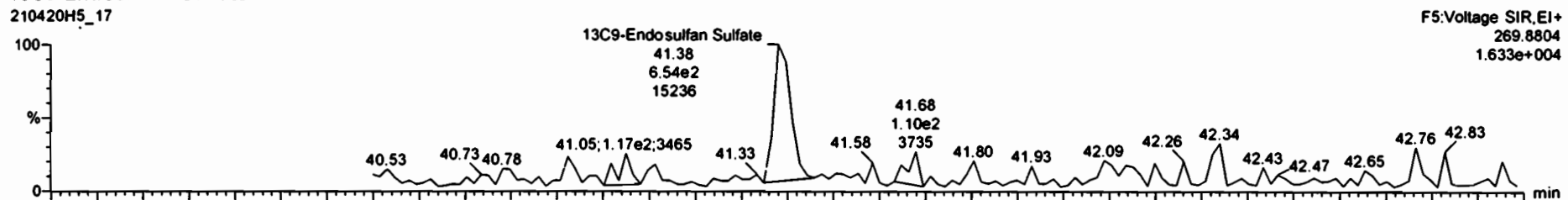


210420H5\_17

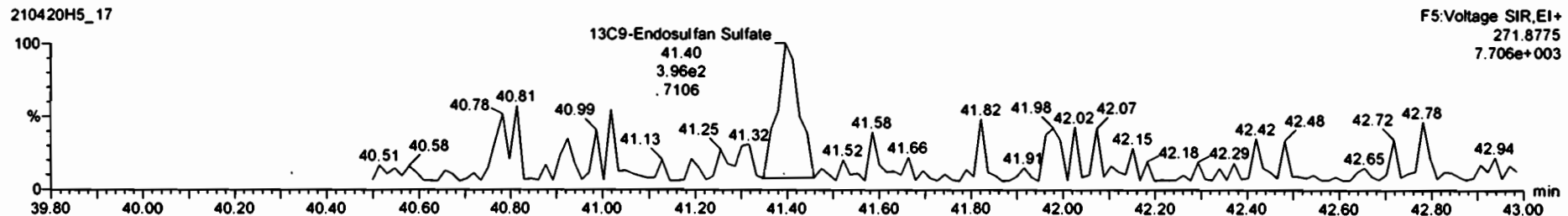


13C9-Endosulfan Sulfate

210420H5\_17



210420H5\_17



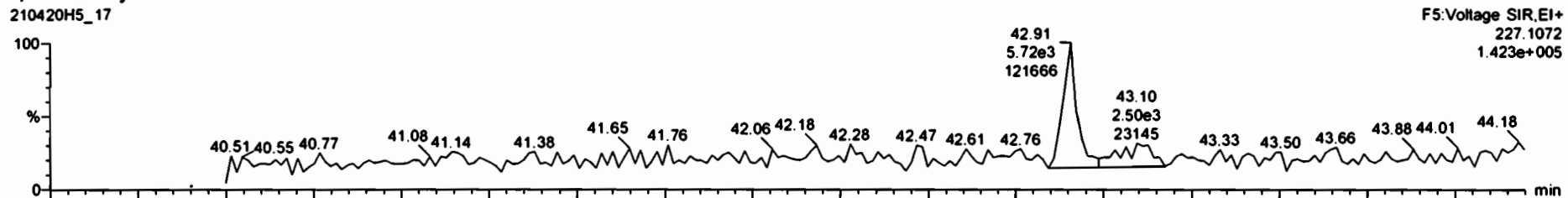
Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

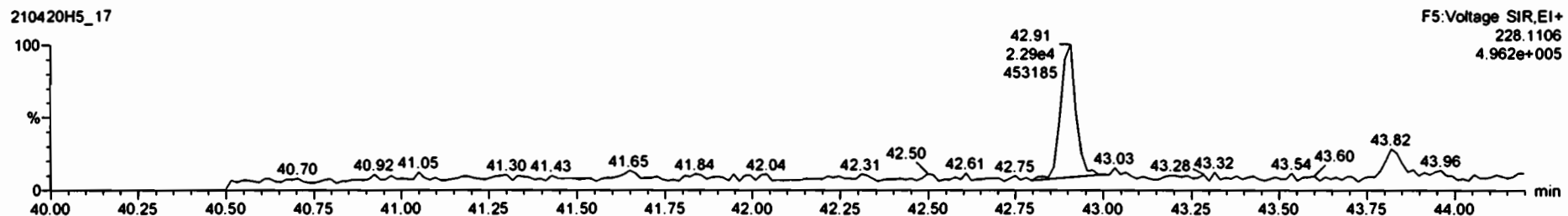
Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

4,4'-Methoxychlor

210420H5\_17

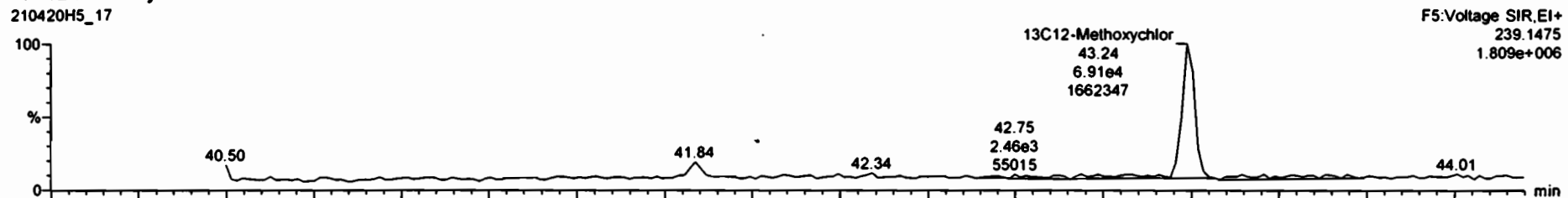


210420H5\_17

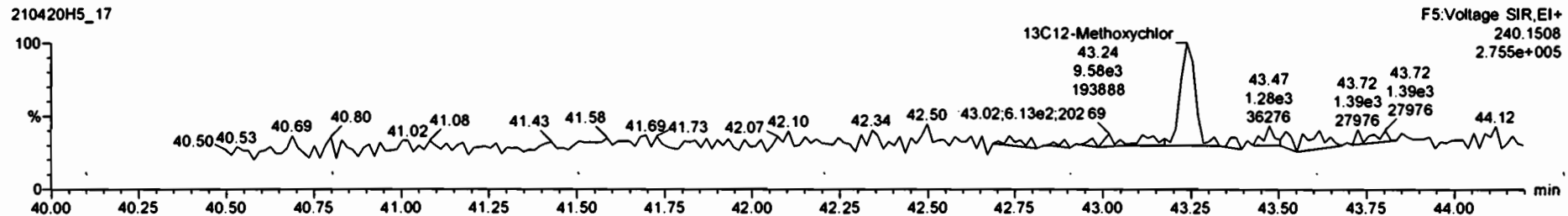


13C12-Methoxychlor

210420H5\_17



210420H5\_17



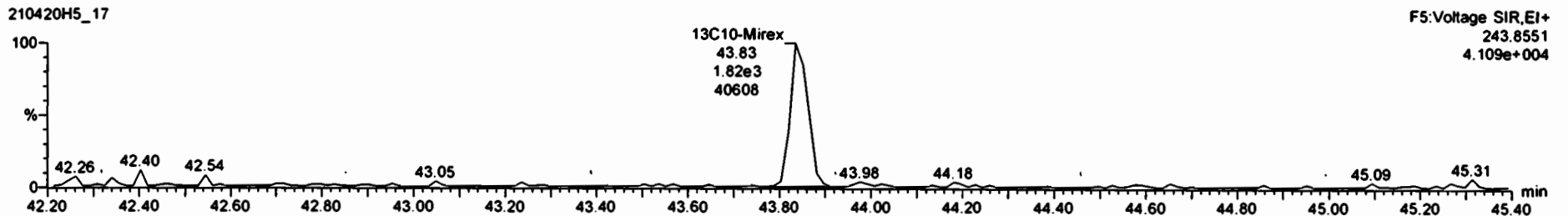
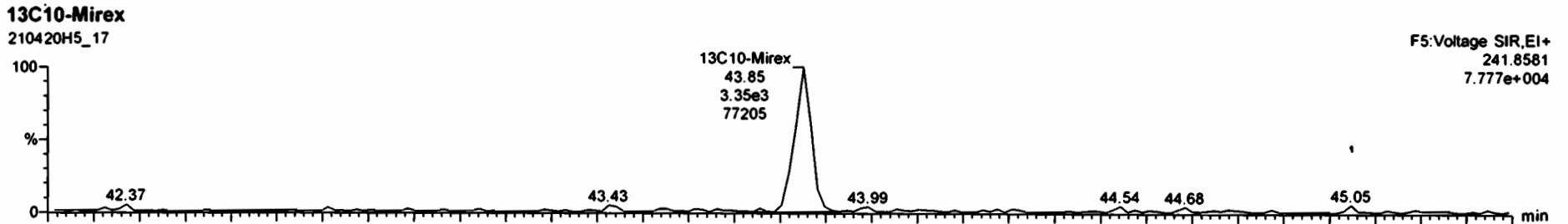
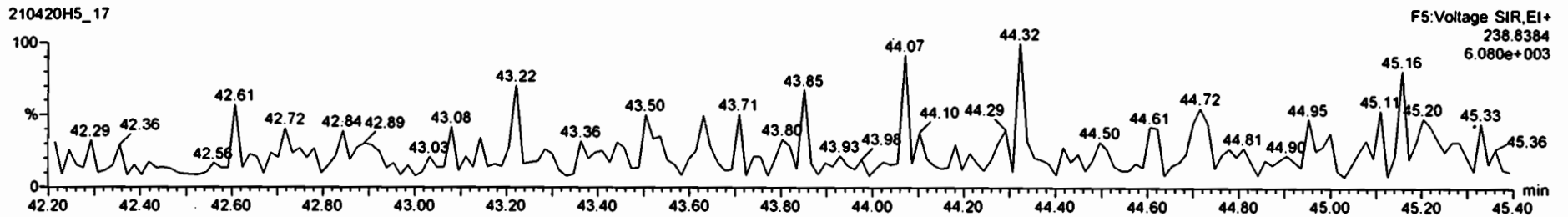
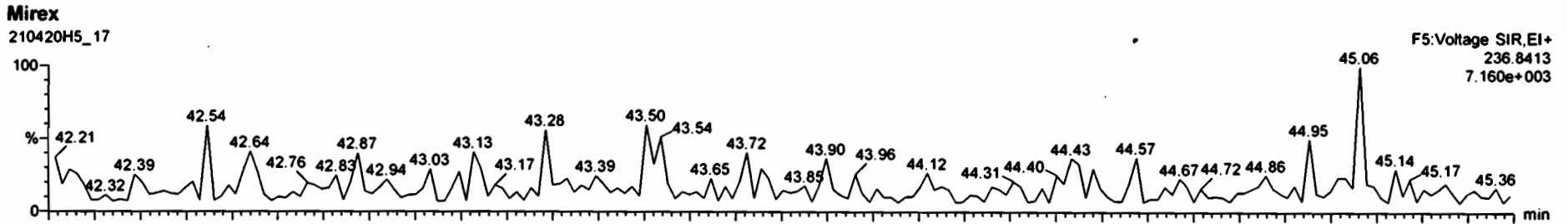


Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

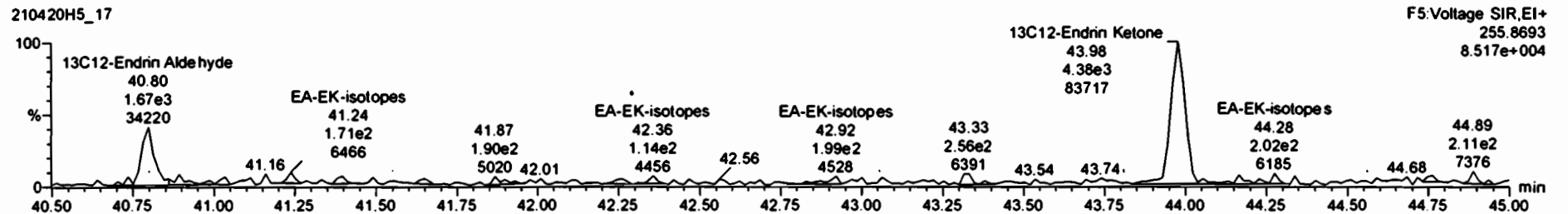
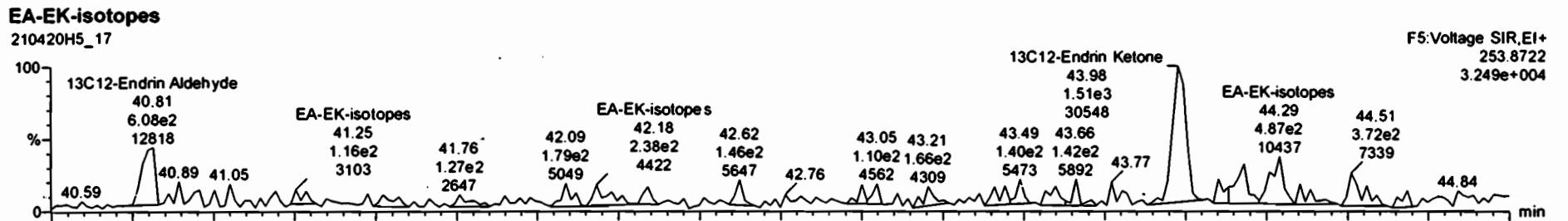
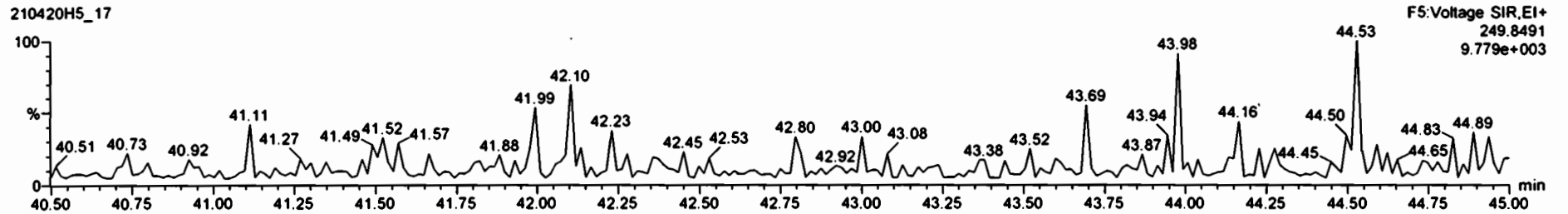
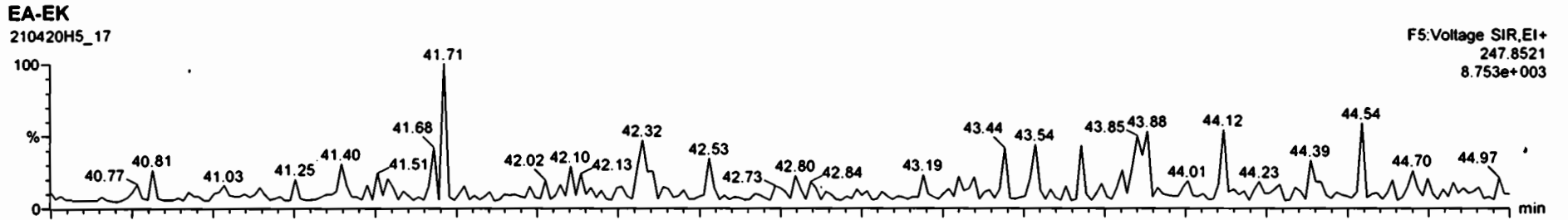
Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312



Dataset: Untitled

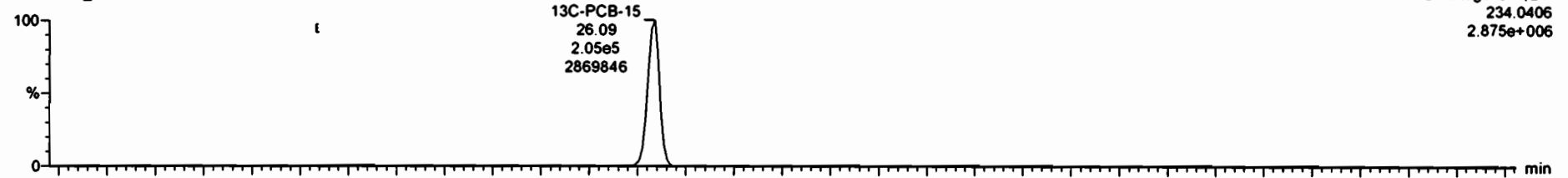
Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

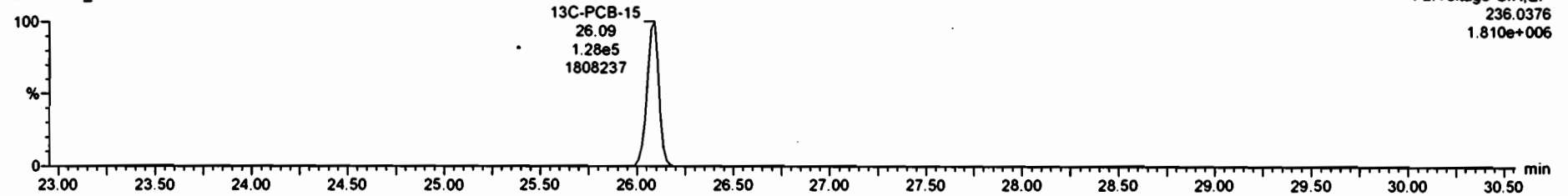
Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

13C-PCB-15

210420H5\_17



210420H5\_17

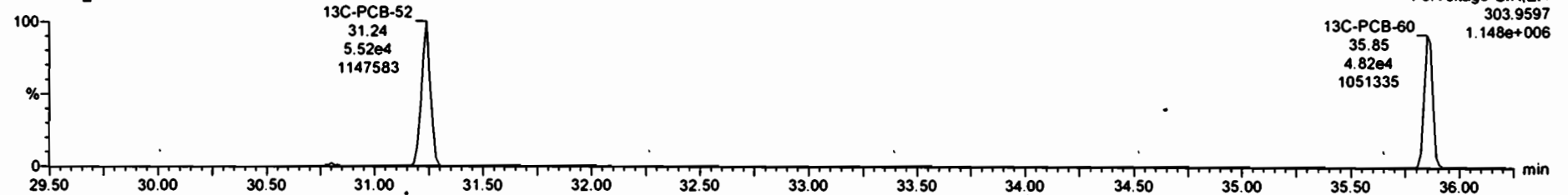


13C-PCB-60

210420H5\_17



210420H5\_17



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

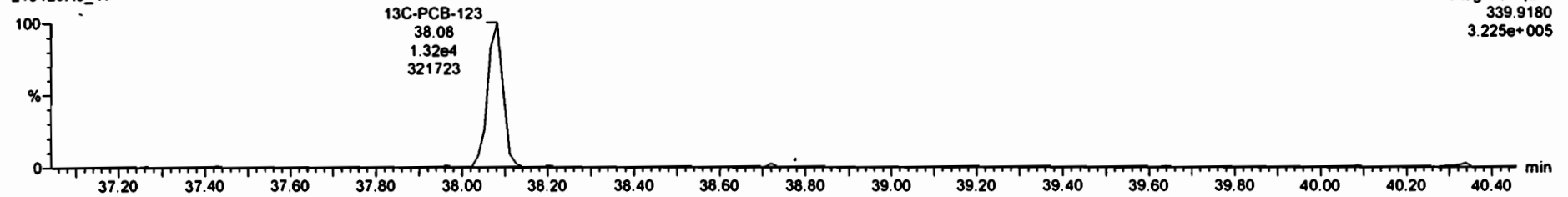
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13C-PCB-123

210420H5\_17



210420H5\_17

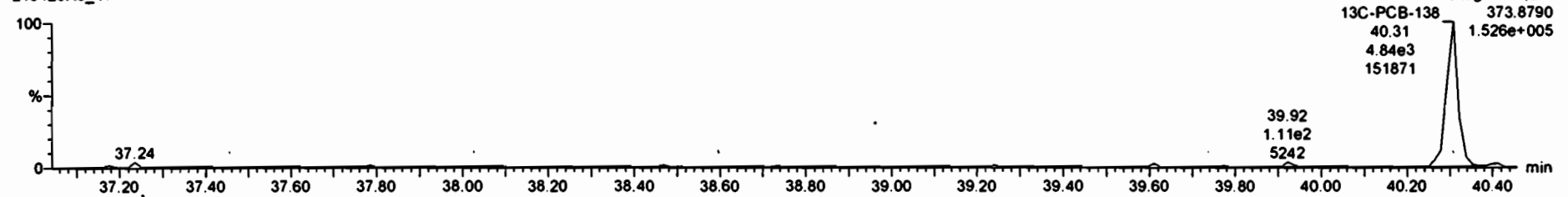


13C-PCB-138

210420H5\_17



210420H5\_17



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312

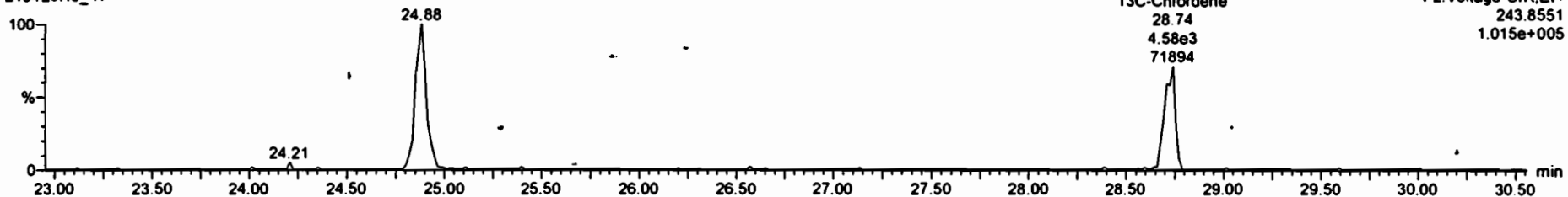
**13C-Chlordene**

210420H5\_17



F2:Voltage SIR,EI+  
241.8581  
1.573e+005

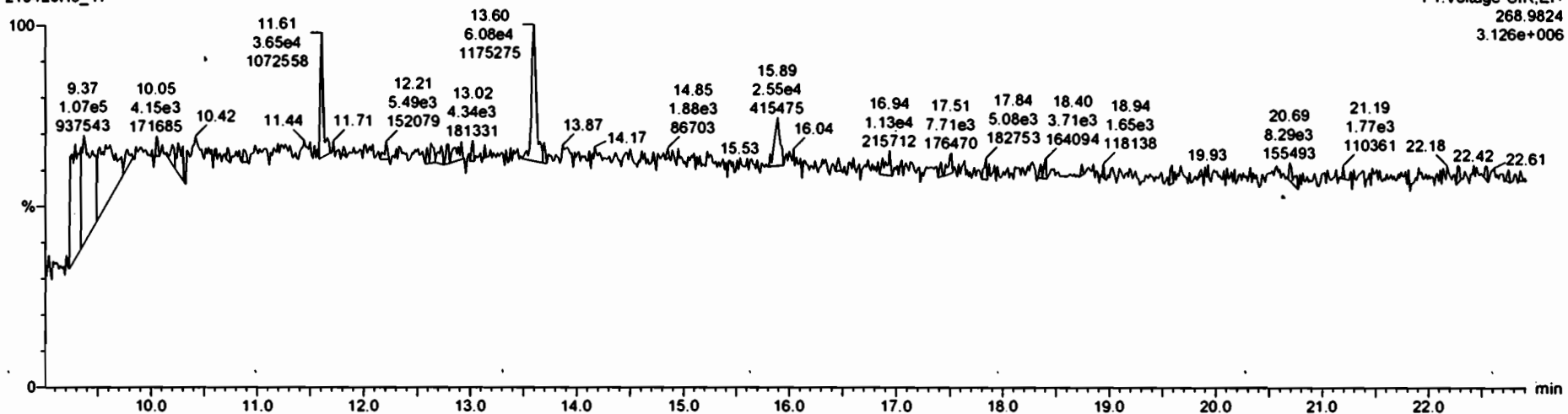
210420H5\_17



F2:Voltage SIR,EI+  
243.8551  
1.015e+005

**PFK1**

210420H5\_17



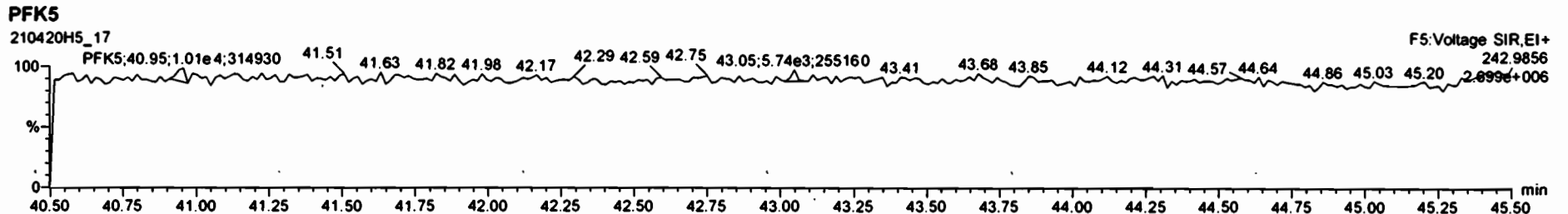
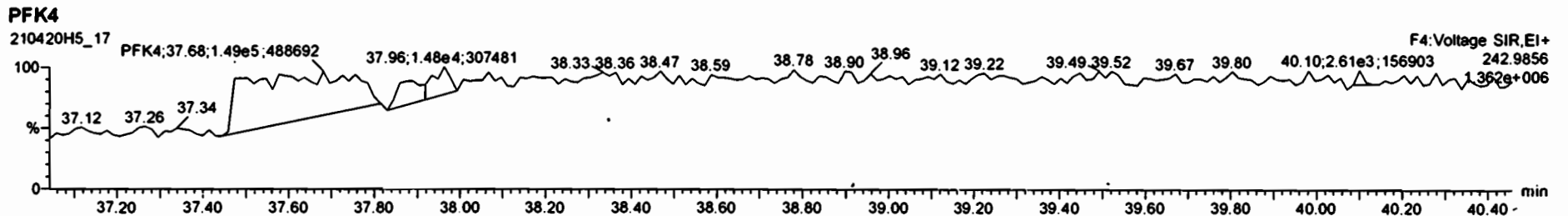
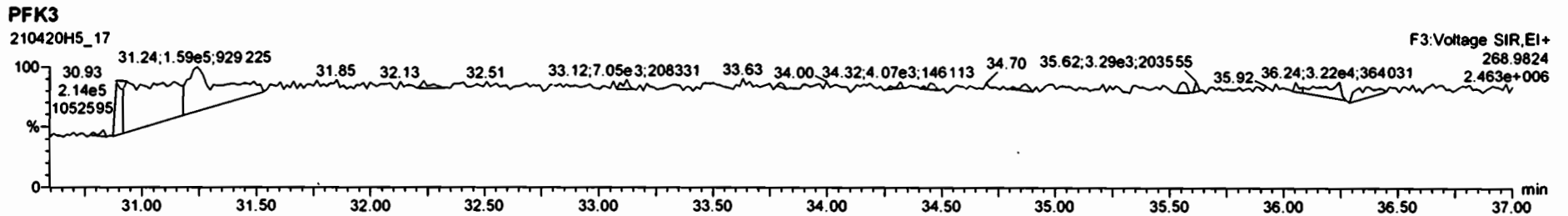
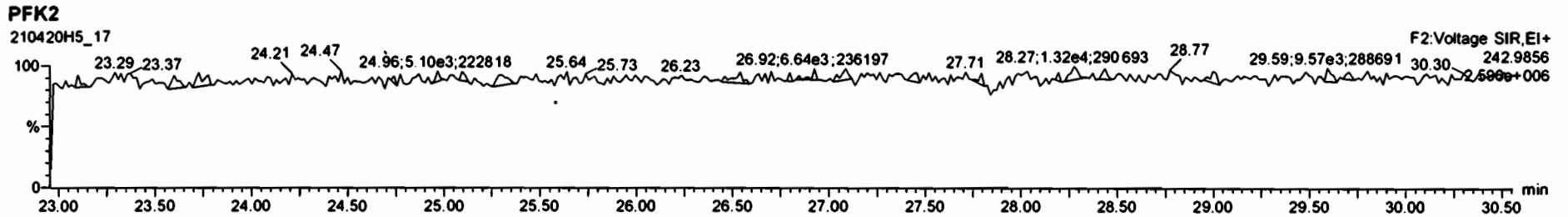
F1:Voltage SIR,EI+  
268.9824  
3.126e+006

Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 14:00:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 14:01:05 Pacific Daylight Time

Name: 210420H5\_17, Date: 21-Apr-2021, Time: 07:14:04, ID: 2103219-04 @5X USMPDI-069RAB-00-10-210312 2.09, Description: USMPDI-069RAB-00-10-210312



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_15.qld

Last Altered: Tuesday, April 27, 2021 08:43:13 Pacific Daylight Time

Printed: Tuesday, April 27, 2021 08:50:04 Pacific Daylight Time

*DF04/27/21*

*CT 05/03/2021*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
1	4 Lindane (gamma-...		1.66e5		NO	0.860	1.356			1.000	YES			2.39	
2	9 Aldrin		1.27e5		NO	1.09	1.356			1.001	YES			1.58	
3	10 Oxychlordane		2.50e4		NO	1.06	1.356			1.001	YES			8.17	
4	13 trans-Chlordane (g...		1.78e4		NO	1.14	1.356			1.001	YES			8.44	
5	14 trans-Nonachlor		1.69e4		NO	1.06	1.356			1.000	YES			11.7	
6	15 cis-Chlordane		1.69e4		NO	1.16	1.356			1.016	YES			10.7	
7	18 2,4'-DDE	1.83e4	8.08e5	1.34	NO	1.02	1.356	35.72	1.000	1.000	NO	16.300		1.40	16.3
8	19 4,4'-DDE	3.99e5	4.76e5	1.51	NO	1.04	1.356	36.77	1.000	1.000	NO	595.87		2.26	596
9	20 Dieldrin	1.10e3	3.63e4	2.43	YES	1.03	1.356	37.29	1.001	1.001	NO	21.707		7.12	16.2
10	22 cis-Nonachlor		1.55e4		NO	1.00	1.356			1.000	YES			14.1	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_15.qld

Last Altered: Tuesday, April 27, 2021 08:43:13 Pacific Daylight Time  
Printed: Tuesday, April 27, 2021 08:50:14 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312,  
Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
1	24 2,4'-DDD	1.29e4	2.91e5	1.43	NO	1.07	1.356	37.90	1.000	1.000	NO	30.619		5.20	30.6
2	25 2,4'-DDT	6.53e4	9.54e4	1.41	NO	1.05	1.356	39.02	1.000	1.000	NO	482.21		15.7	482
3	26 4,4'-DDD	2.56e4	1.80e5	1.46	NO	1.16	1.356	39.15	1.000	1.000	NO	90.177		7.68	90.2
4	27 4,4'-DDT	1.90e5	6.14e4	1.60	NO	1.13	1.356	40.20	1.000	1.001	NO	2014.6		24.8	2010
5	36 13C6-Lindane (ga...	1.66e5	1.52e6	0.79	NO	0.194	1.356	26.59	1.020	1.019	NO	414.16	56.2	2.83	
6	40 13C12-Aldrin	1.27e5	1.52e6	1.64	NO	0.154	1.356	30.80	1.181	1.181	NO	398.40	54.0	1.16	
7	41 13C10-Oxychlorda...	2.50e4	1.52e6	1.50	NO	0.0404	1.356	33.35	1.279	1.280	NO	299.62	40.6	4.43	



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_15.qld

Last Altered: Tuesday, April 27, 2021 08:43:13 Pacific Daylight Time

Printed: Tuesday, April 27, 2021 08:50:49 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec.	DL	EMPC
1	43 13C10-trans-Chlor...	1.78e4	1.52e6	1.65	NO	0.0358	1.356	35.05	1.344	1.344	NO	241.19	32.7	5.00	
2	44 13C10-trans-Nona...	1.69e4	5.67e5	1.63	NO	0.0638	1.356	35.24	0.983	0.983	NO	345.43	46.8	4.56	
3	46 13C12-2,4'-DDE	8.08e5	5.67e5	1.59	NO	1.43	1.356	35.70	0.996	0.995	NO	732.59	99.3	1.90	
4	47 13C12-4,4'-DDE	4.76e5	5.67e5	1.63	NO	0.995	1.356	36.75	1.025	1.026	NO	622.61	84.4	2.74	
5	48 13C12-Dieldrin	3.63e4	5.67e5	1.49	NO	0.146	1.356	37.26	1.039	1.040	NO	322.54	43.7	3.80	
6	50 13C10-cis-Nonach...	1.55e4	5.67e5	1.71	NO	0.0791	1.356	38.93	1.085	1.087	NO	253.88	34.4	7.02	
7	52 13C12-2,4'-DDD	2.91e5	5.67e5	1.77	NO	1.35	1.356	37.89	1.056	1.057	NO	279.88	38.0	3.76	
8	53 13C12-2,4'-DDT	9.54e4	5.67e5	1.55	NO	0.962	1.356	39.00	1.088	1.089	NO	128.92	17.5	5.29	
9	54 13C12-4,4'-DDD	1.80e5	5.67e5	1.61	NO	1.12	1.356	39.13	1.091	1.092	NO	207.90	28.2	4.52	
10	55 13C12-4,4'-DDT	6.14e4	5.67e5	1.86	NO	0.735	1.356	40.19	1.121	1.122	NO	108.54	14.7	6.92	
11	62 13C-PCB-15	1.52e6	1.52e6	1.56	NO	1.00	1.356	26.07	1.000	1.000	NO	737.43	100	0.598	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_15.qld

Last Altered: Tuesday, April 27, 2021 08:43:13 Pacific Daylight Time

Printed: Tuesday, April 27, 2021 08:50:54 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312,  
Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DU	EMPC
63	13C-PCB-60	5.67e5	5.67e5	0.80	NO	1.00	1.356	35.86	1.000	1.000	NO	737.43	100	0.788	

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

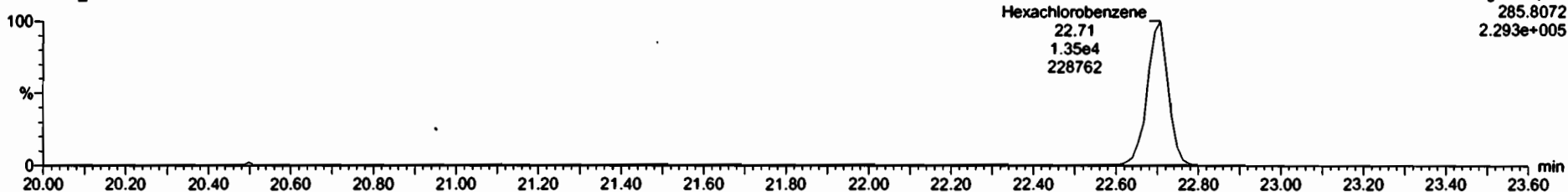
Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312

Hexachlorobenzene

210416H2\_15



210416H2\_15

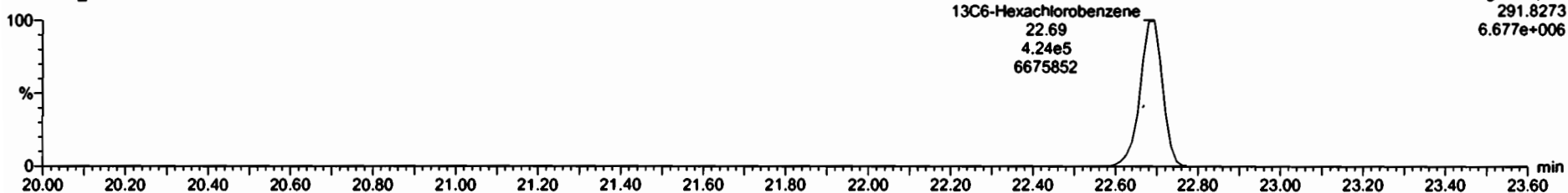


13C6-Hexachlorobenzene

210416H2\_15



210416H2\_15



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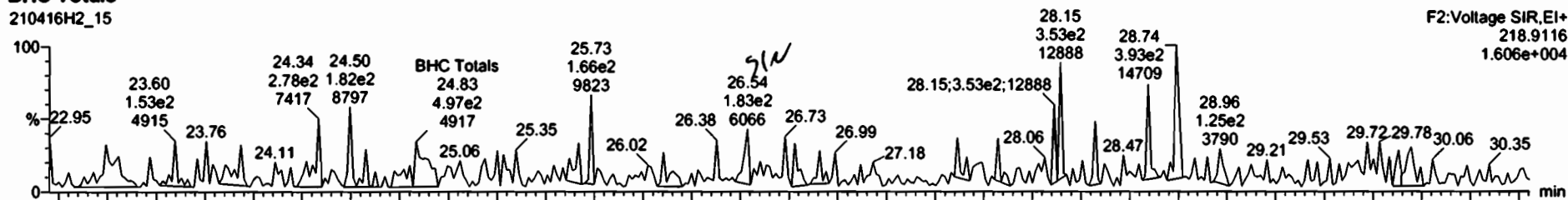
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

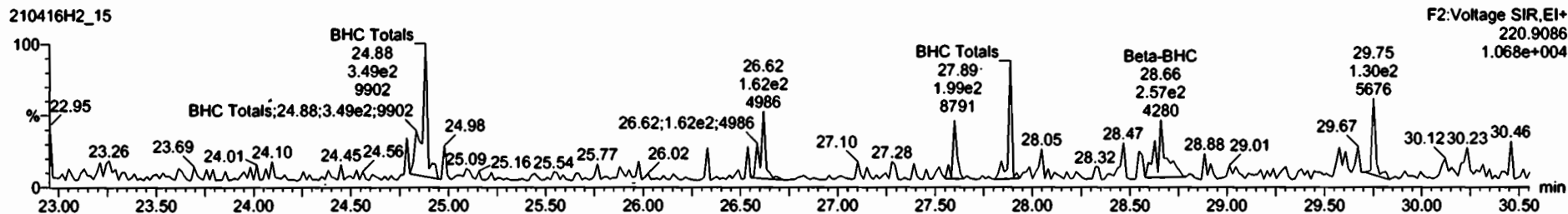
Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312

**BHC Totals**

210416H2\_15

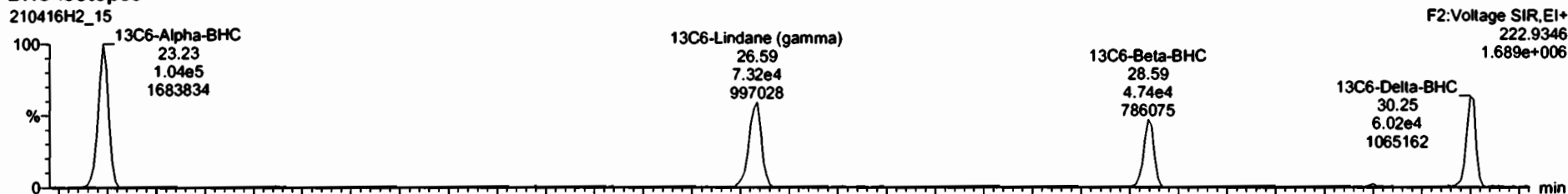


210416H2\_15

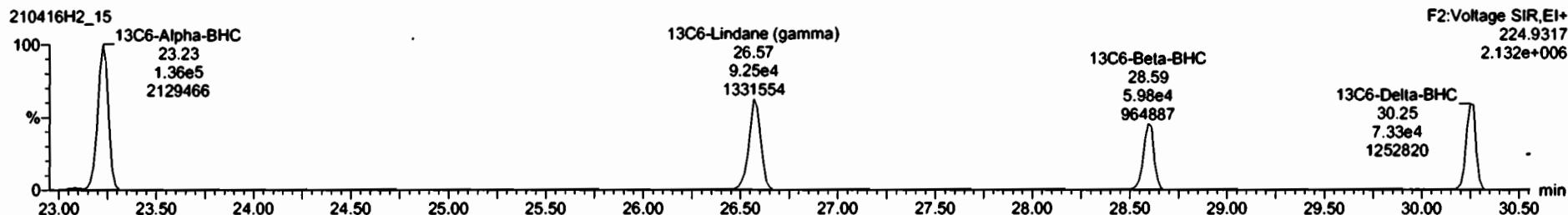


**BHC-isotopes**

210416H2\_15



210416H2\_15



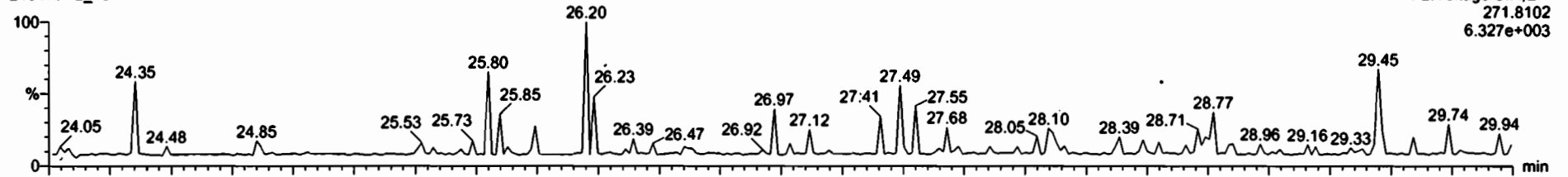
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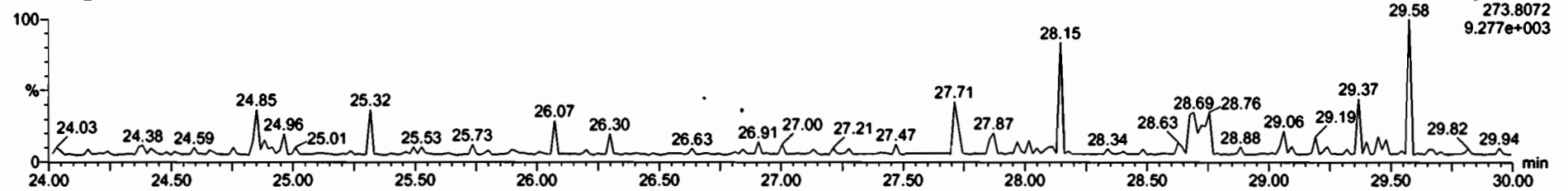
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Heptachlor

210416H2\_15

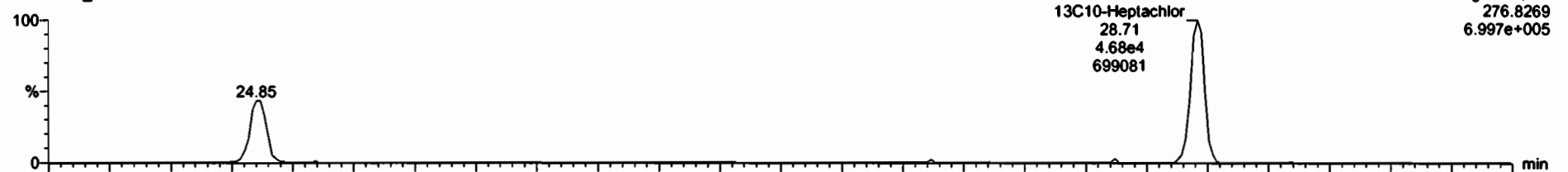


210416H2\_15

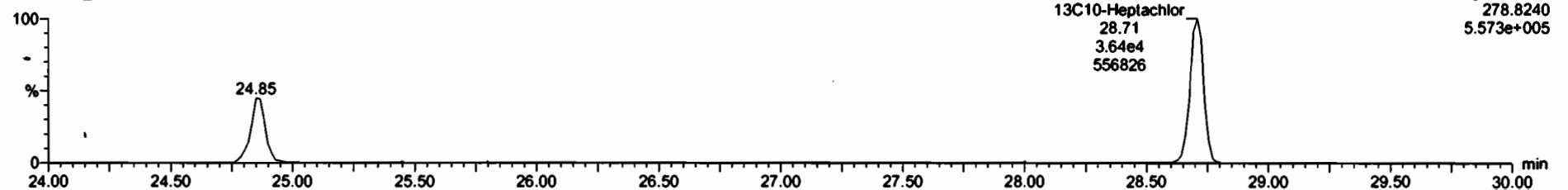


13C10-Heptachlor

210416H2\_15



210416H2\_15



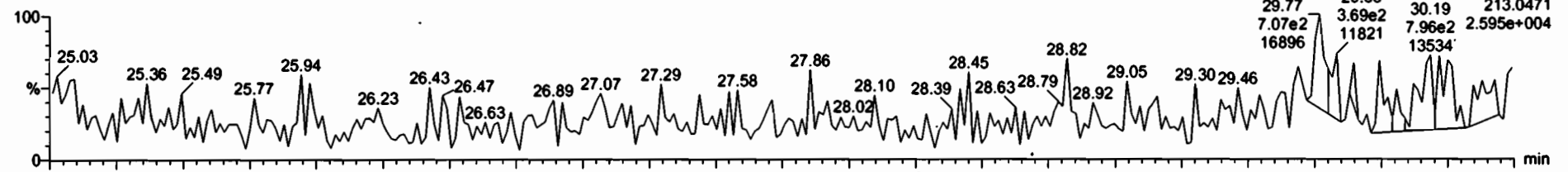
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

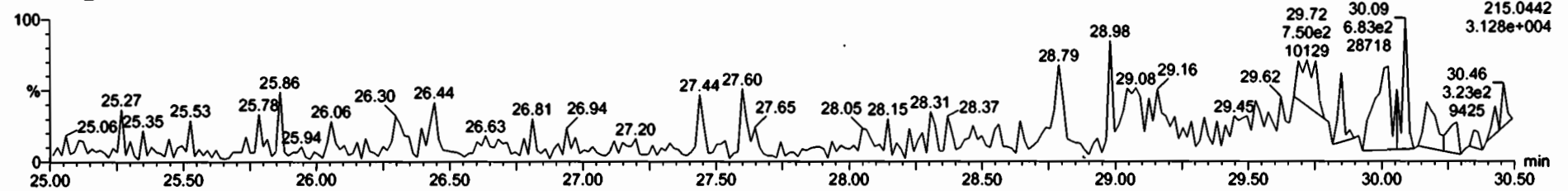
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4,4'-DDNU

210416H2\_15



210416H2\_15

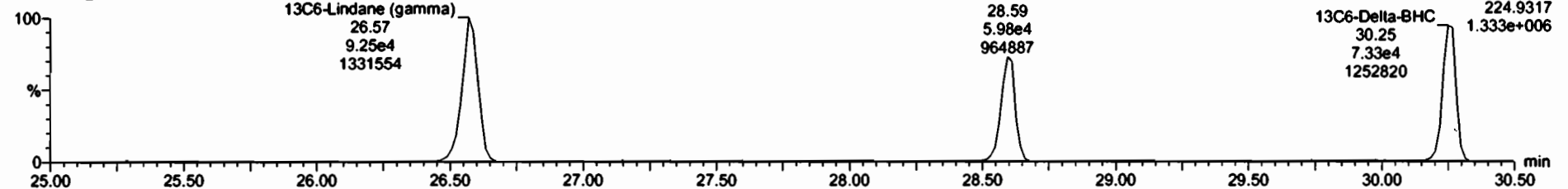


13C6-Delta-BHC

210416H2\_15



210416H2\_15



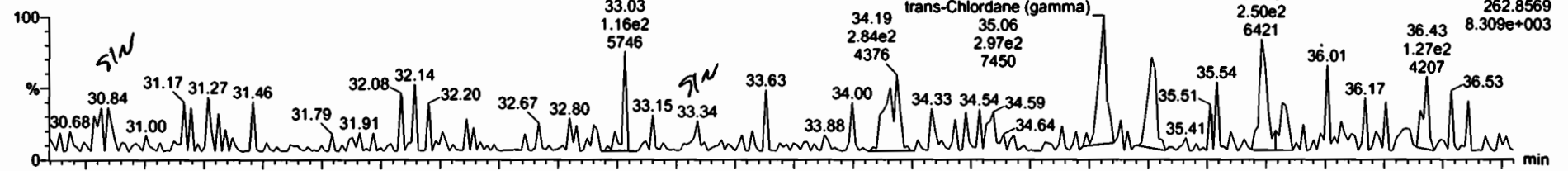
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

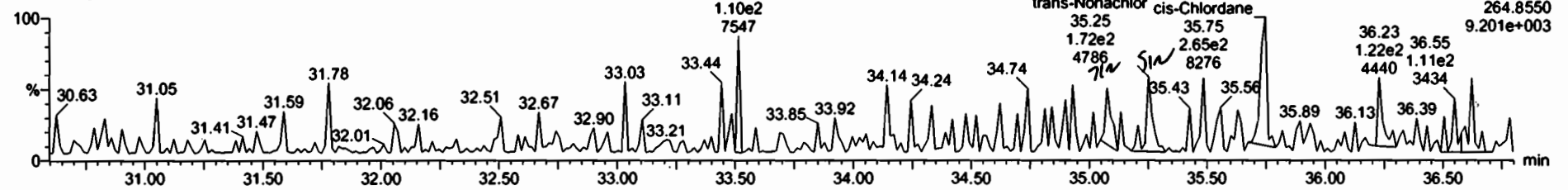
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**Aldrin-EI**

210416H2\_15

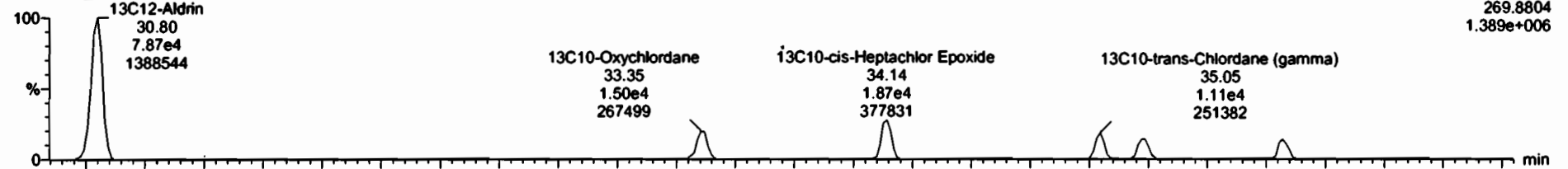


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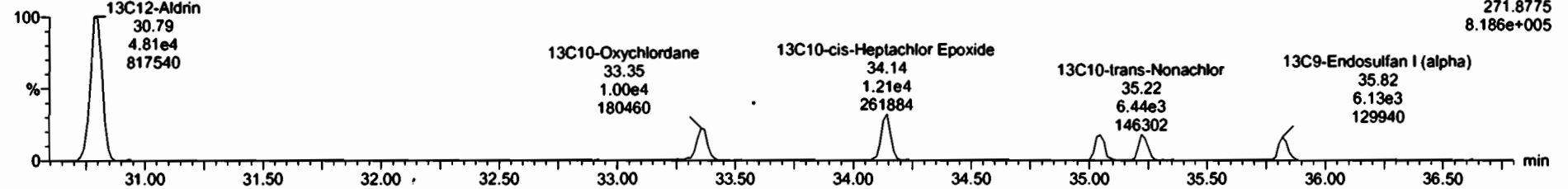


**Aldrin-EI-isotopes**

210416H2\_15



210416H2\_15



Dataset: Untitled

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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

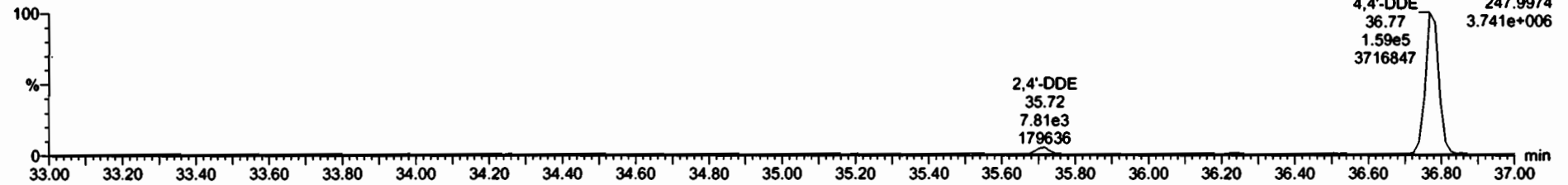
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**DDMU-DDE**

210416H2\_15



210416H2\_15

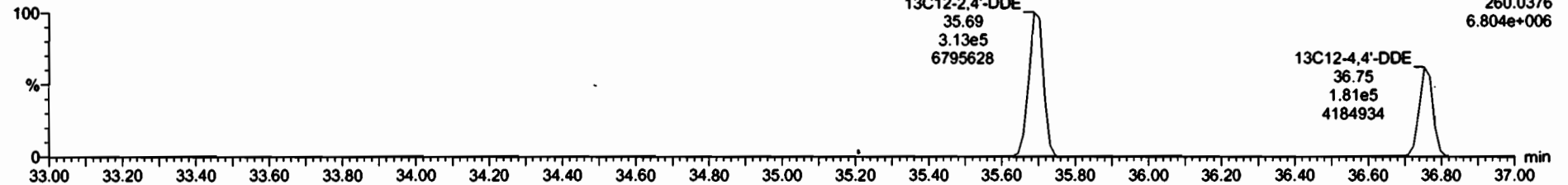


**DDE-isotopes**

210416H2\_15



210416H2\_15





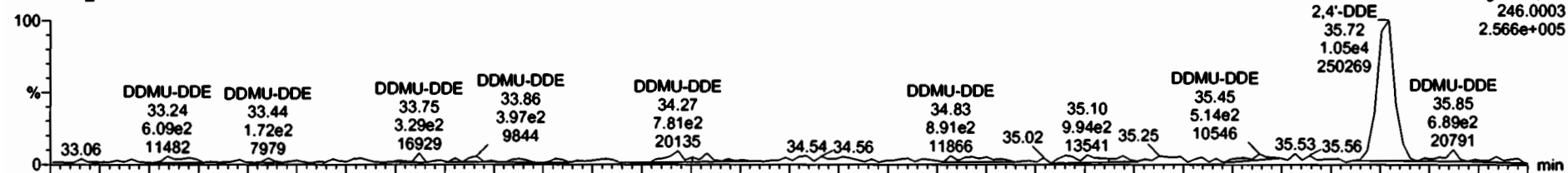
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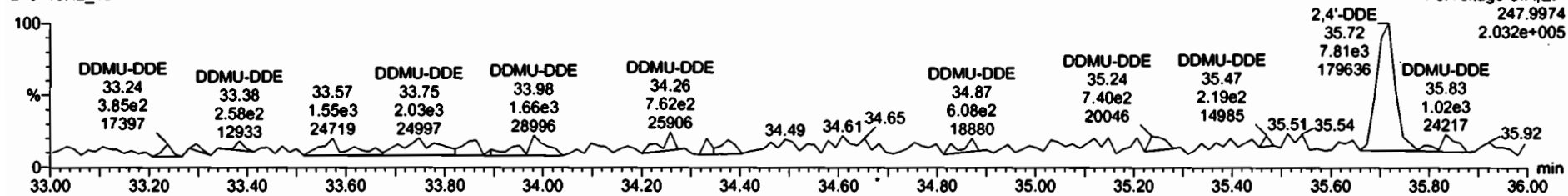
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2,4'-DDE

210416H2\_15

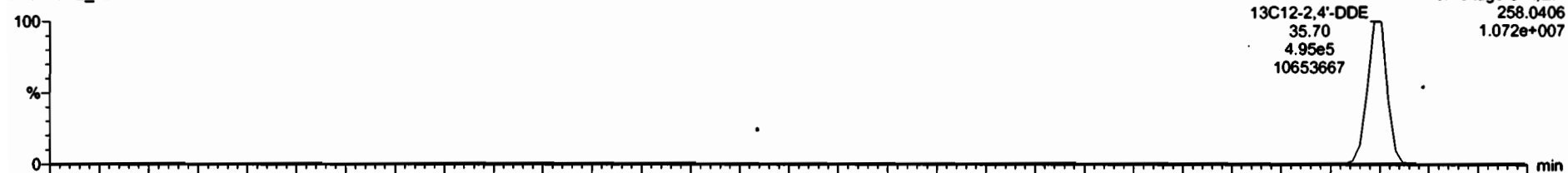


210416H2\_15

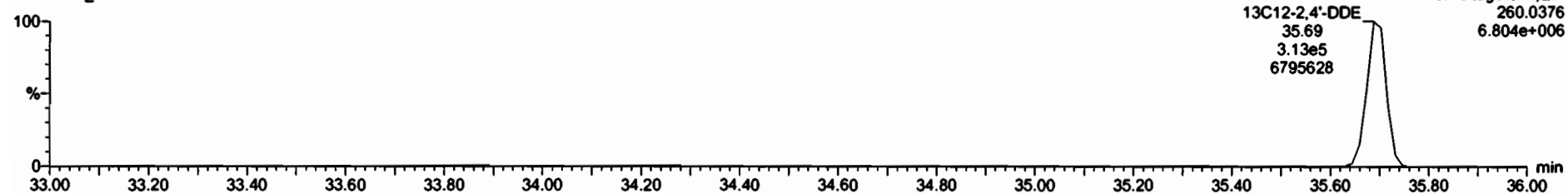


13C12-2,4'-DDE

210416H2\_15



210416H2\_15

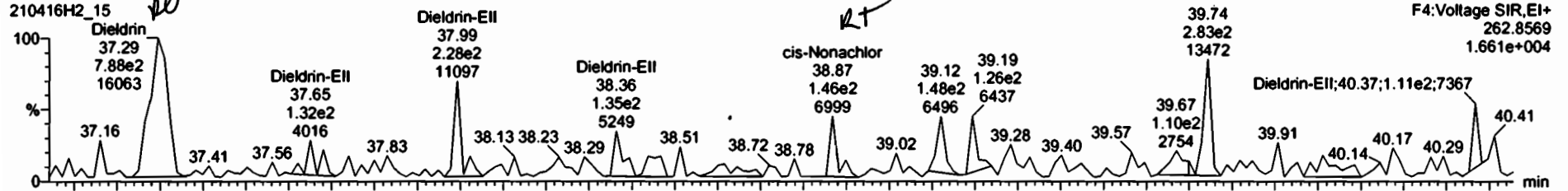


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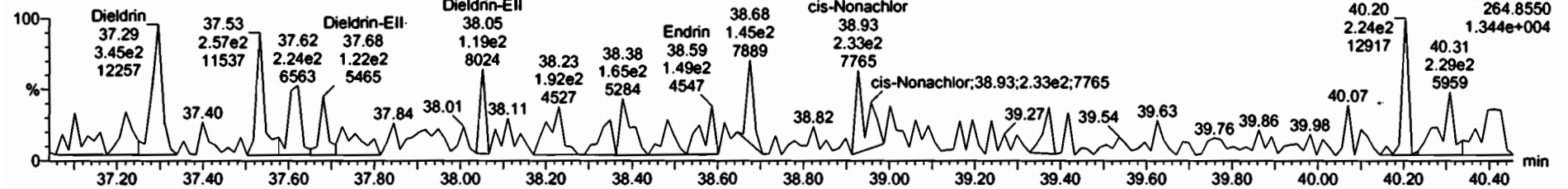
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

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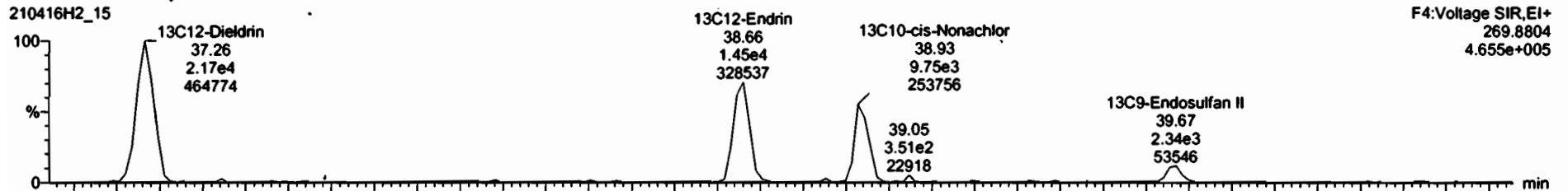
Dieldrin-EII



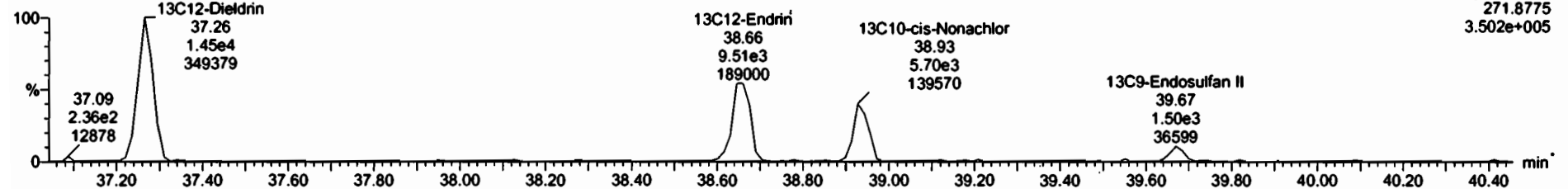
210416H2\_15



Dieldrin-EII-isotopes

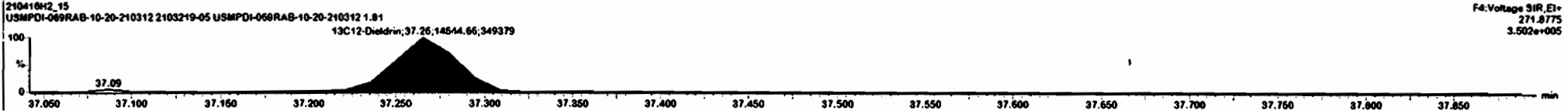
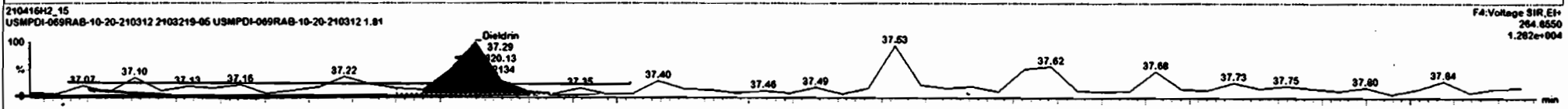
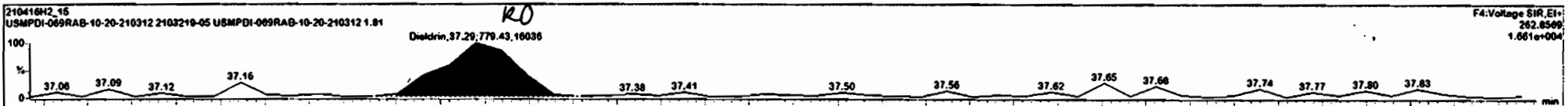


210416H2\_15



210416H2\_15 - 2103219-05 USMPDI-069RAB-10-20-210312 1.81 - USMPDI-069RAB-10-20-210312

#	Name	Resp	IS AREA	RA	ny	RRF	wVvol	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.48e4	1.40e6	0.29	YES	0.10	1.35E1	9.96	9.99	1.001	1.002	NO	761.4		1.53	310
2	Hexachlorobenzene	3.08e4	9.62e5	1.28	NO	0.96	1.35E1	22.71	22.71	1.001	1.000	NO	24.60		0.0572	24.6
3	Alpha-BHC		2.40e5		NO	0.23	1.35E1					YES				1.45
4	Lindane (gamma-BHC)	3.45e2	1.06e5	1.13	YES	0.86	1.35E1	26.54	26.60	0.998	1.000	NO	1.785		2.39	1.40
5	Beta-BHC	4.67e2	1.07e5	0.81	YES	1.00	1.35E1	28.59	28.62	1.000	1.001	NO	3.218		2.82	2.14
6	Delta-BHC		1.34e5		NO	0.91	1.35E1		30.28			YES				2.17
7	Gamma-BHC		9.33e4		NO	1.10	1.35E1		28.74			YES				1.26
8	4,4'-DDHU	1.35e3	1.34e5	1.42	YES	1.25	1.35E1	30.22	30.19	0.999	0.998	NO	5.951		4.47	4.64
9	Altrin		1.27e5		NO	1.09	1.35E1		30.82			YES				1.58
10	Oxychloridene		2.50e4		NO	1.08	1.35E1		33.39			YES				8.17
11	cis-Heptachlor Epoxide		3.08e4		NO	1.08	1.35E1		34.18			YES				5.78
12	trans-Heptachlor Epoxide		3.08e4		NO	0.25	1.35E1		34.68			YES				21.4
13	trans-Chlordane (gamma)		1.78e4		NO	1.14	1.35E1		35.08			YES				8.44
14	trans-Nonachlor		1.69e4		NO	1.09	1.35E1		35.24			YES				11.7
15	cis-Chlordane		1.69e4		NO	1.16	1.35E1		35.78			YES				10.7
16	Endosulfan I (alpha)		1.58e4		NO	1.22	1.35E1		35.85			YES				9.98
17	4,4'-DDMU	4.42e3	8.02e5	1.84	YES		1.35E1	35.48	35.48	0.994	0.994	NO	9.851		2.66	8.58
18	2,4'-DDE	1.83e4	8.06e5	1.34	NO	1.02	1.35E1	35.72	35.70	1.000	1.000	NO	15.33		1.40	16.3
19	4,4'-DDE	3.99e5	4.78e5	1.51	NO	1.04	1.35E1	36.77	36.75	1.000	1.000	NO	595.9		2.28	596
20	Dieldrin	1.10e3	3.62e4	2.43	YES	1.03	1.35E1	37.29	37.30	1.001	1.001	NO	21.71		7.12	16.2

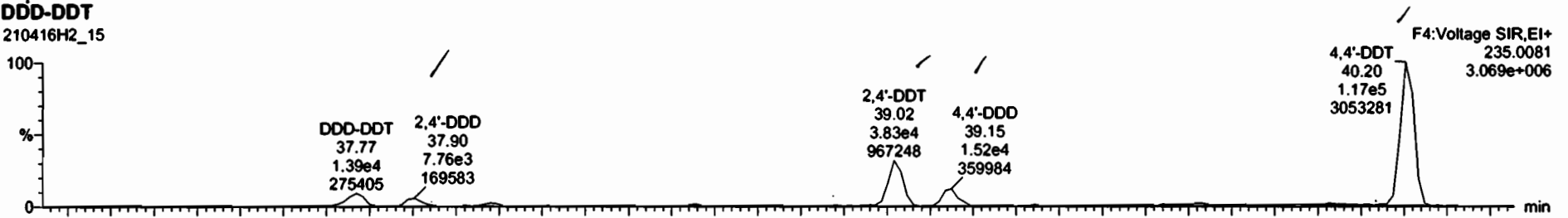


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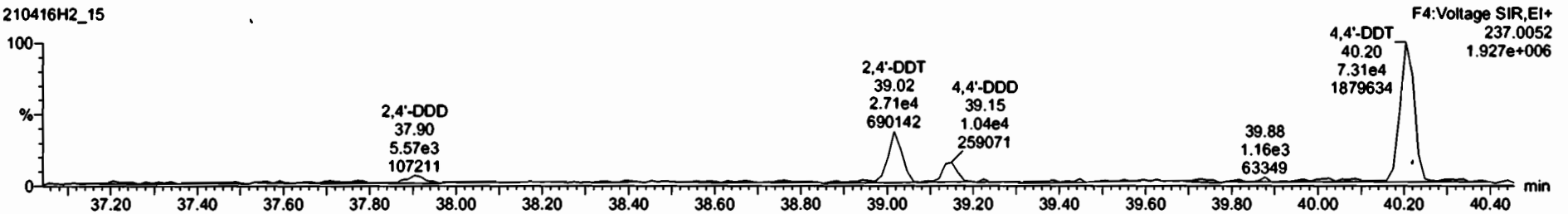
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Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312

**DDD-DDT**  
210416H2\_15

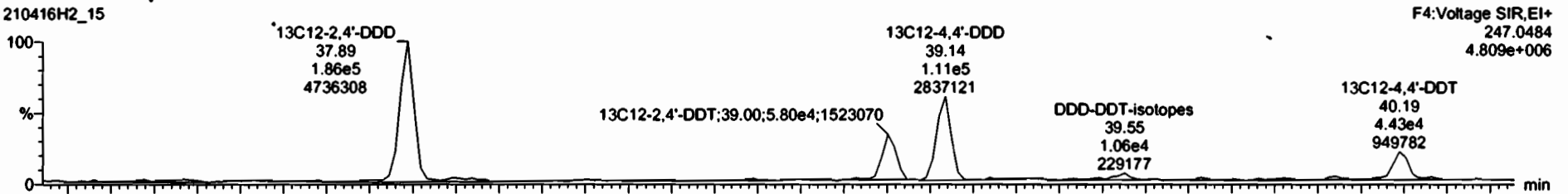


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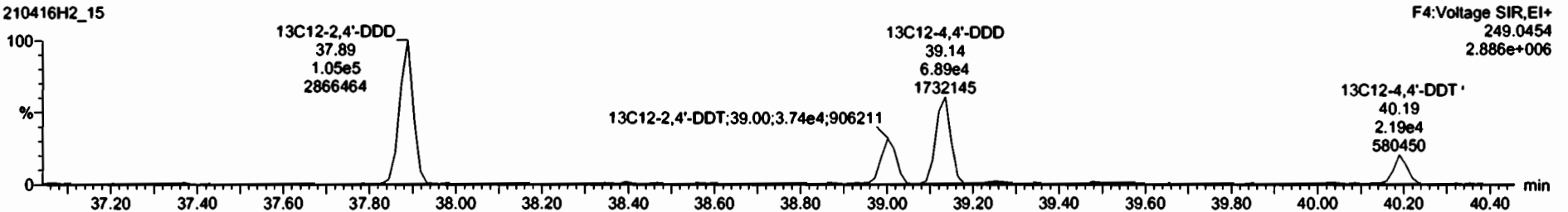


**DDD-DDT-isotopes**

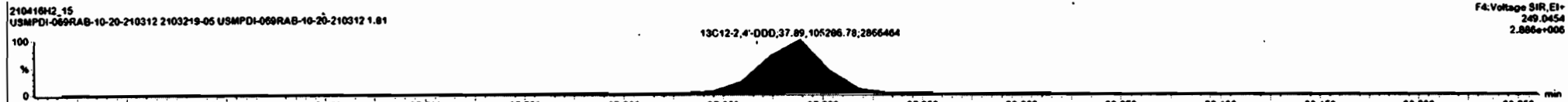
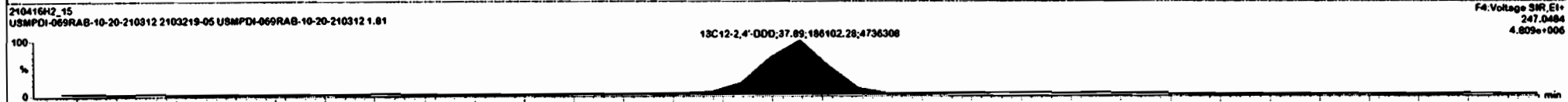
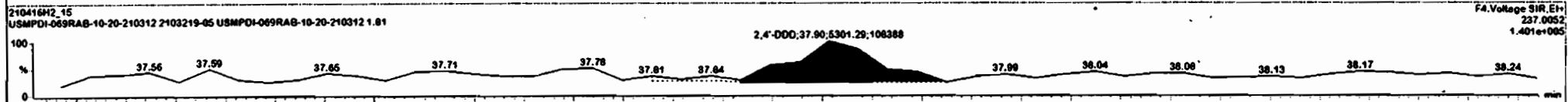
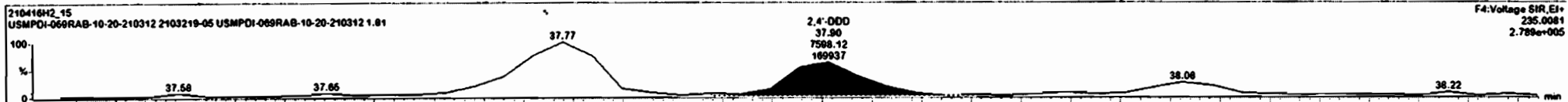
210416H2\_15



210416H2\_15

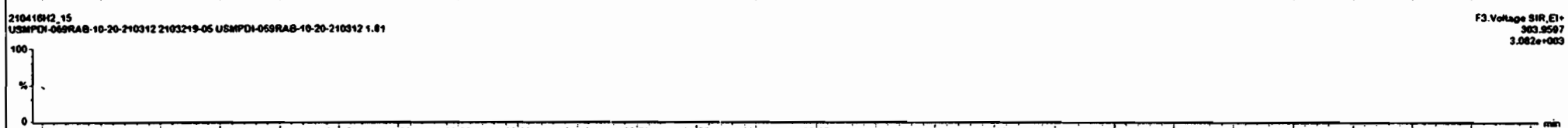
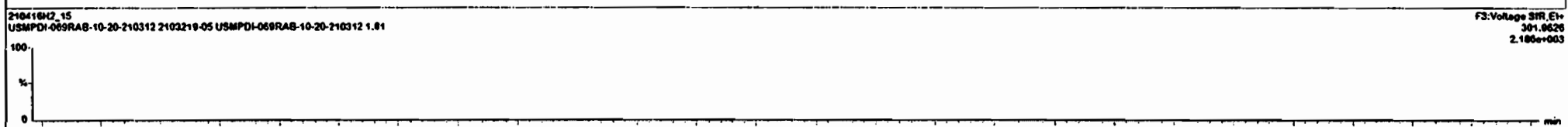
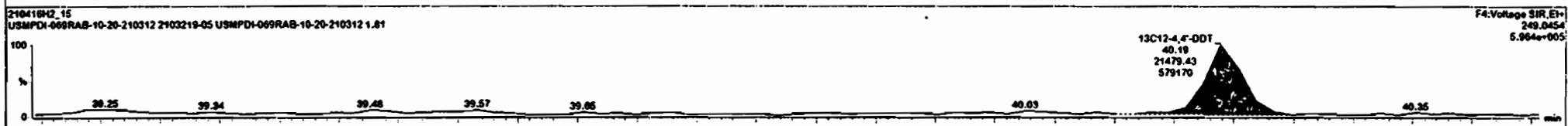
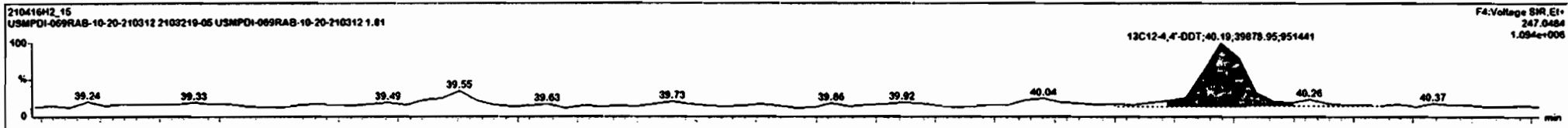


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8	4,4'-DDHU	1.35e3	1.34e5	1.43	YES	1.22	1.35E1	30.22	30.19	0.999	0.996	NO	5.9E1		4.47	4.64
9	Aadne		1.27e5		NO	1.09	1.35E1		30.63		1.001	YES			1.58	
10	Oxychardane		2.50e4		NO	1.06	1.35E1		33.39		1.001	YES			8.17	
11	cis-Hexachlor Epoxide		3.06e4		NO	1.28	1.35E1		34.12		1.001	YES			5.78	
12	trans-Hexachlor Epoxide		3.06e4		NO	0.29	1.35E1		34.68		1.016	YES			21.4	
13	trans-Chlordane (gamma)		1.78e4		NO	1.14	1.35E1		35.08		1.001	YES			6.44	
14	trans-Nonachlor		1.69e4		NO	1.06	1.35E1		35.24		1.000	YES			11.7	
15	cis-Chlordane		1.89e4		NO	1.15	1.35E1		35.79		1.016	YES			10.7	
16	Endosulfan I (alpha)		1.56e4		NO	1.23	1.35E1		35.85		1.001	YES			9.96	
17	4,4'-DDMU	4.42e3	8.08e5	1.94	YES		1.35E1	35.49	35.49	0.994	0.994	NO	9.6E1		2.66	6.58
18	2,4'-DDE	1.83e4	8.08e5	1.34	NO	1.02	1.35E1	35.72	35.70	1.000	1.000	NO	16.30		1.40	16.3
19	4,4'-DDE	3.99e5	4.76e5	1.51	NO	1.34	1.35E1	36.77	36.75	1.000	1.000	NO	595.9		2.26	596
20	Dieldrin	1.10e3	3.63e4	2.43	YES	1.23	1.35E1	37.29	37.20	1.001	1.001	NO	21.71		7.12	16.3
21	Endrin	2.54e2	2.40e4	0.70	YES	1.01	1.35E1	38.82	38.70	0.999	1.001	NO	7.741		10.4	5.22
22	cis-Hexachlor		1.55e4		NO	1.00	1.35E1		38.93		1.000	YES			14.1	
23	Endosulfan II (beta)		3.84e3		NO	1.27	1.35E1		39.67		1.000	YES			60.6	
24	2,4'-DDD	1.29e4	2.91e5	1.43	NO	1.07	1.35E1	37.90	37.89	1.000	1.000	NO	30.62		5.20	30.8
25	2,4'-DDT	6.53e4	8.54e4	1.41	NO	1.05	1.35E1	39.02	39.00	1.000	1.000	NO	482.2		15.7	482
26	4,4'-DDD	2.58e4	1.80e5	1.48	NO	1.18	1.35E1	39.15	39.13	1.000	1.000	NO	90.18		7.62	90.2
27	4,4'-DDT	1.90e5	6.63e4	1.60	NO	1.13	1.35E1	40.20	40.23	1.000	1.001	NO	186E		25.6	1870



#	Name	Resp	AREA	RA	nly	RUF	wVol	RT	Pred.RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	ELPC
50	13C15-cb-tionachbr	1.55e4	5.87e5	1.71	NO	0.06	1.35E1	38.97	38.98	1.085	1.027	NO	253.9	34.4	7.32	
51	13C9-Endosulfan I	3.84e3	5.87e5	1.57	NO	0.03	1.35E1	39.67	39.71	1.106	1.107	NO	195.9	25.3	20.8	
52	13C12-2,4-DDD	2.91e5	5.87e5	1.77	NO	1.25	1.35E1	37.59	37.90	1.056	1.057	NO	279.5	39.0	3.76	
53	13C12-2,4-DDT	5.54e4	5.87e5	1.55	NO	0.96	1.35E1	39.02	39.05	1.088	1.029	NO	123.9	17.5	5.29	
54	13C12-4,4'-DDO	1.80e5	5.87e5	1.81	NO	1.12	1.35E1	39.12	39.18	1.091	1.092	NO	267.9	23.2	4.52	
55	13C12-4,4'-DDT	6.14e4	5.87e5	1.88	NO	0.74	1.35E1	40.19	40.24	1.121	1.122	NO	106.5	14.7	6.92	

#	Name	RT	Pred.RT	m1 Resp	m2 Resp	RA	nly	ELPC	Conc.
1									



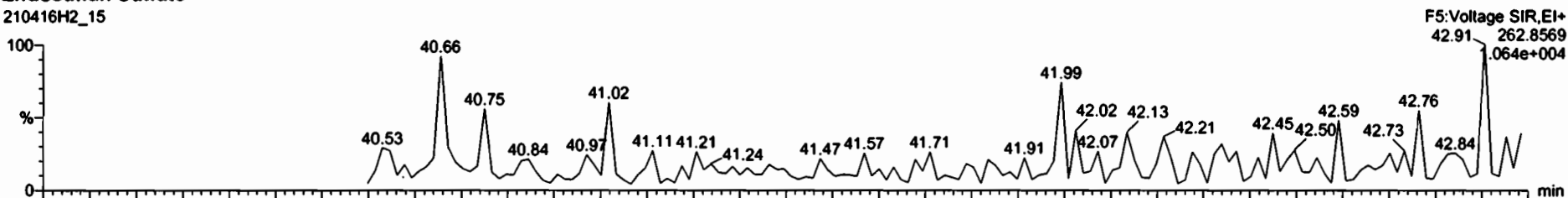
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

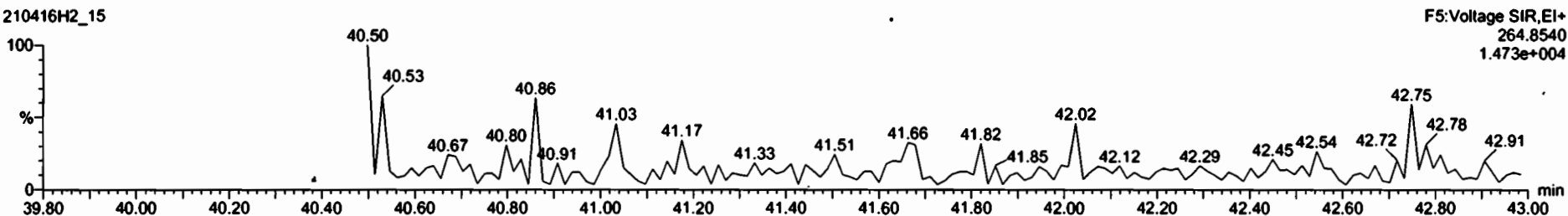
Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312

Endosulfan Sulfate

210416H2\_15

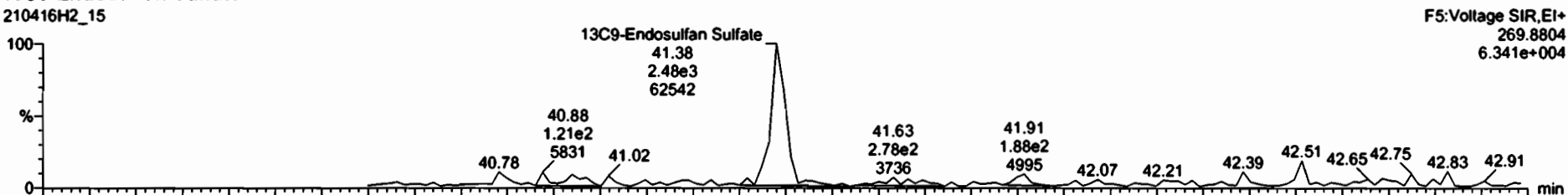


210416H2\_15

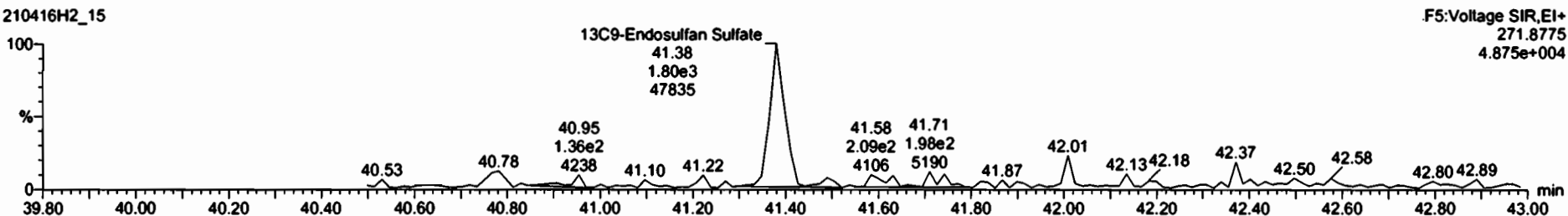


13C9-Endosulfan Sulfate

210416H2\_15



210416H2\_15



Dataset: Untitled

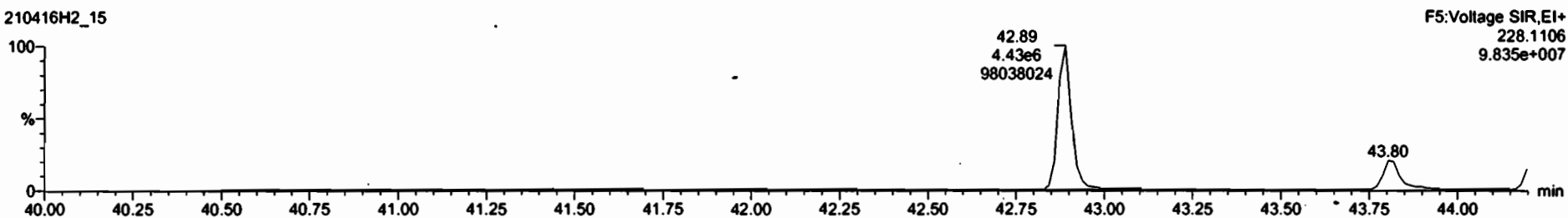
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

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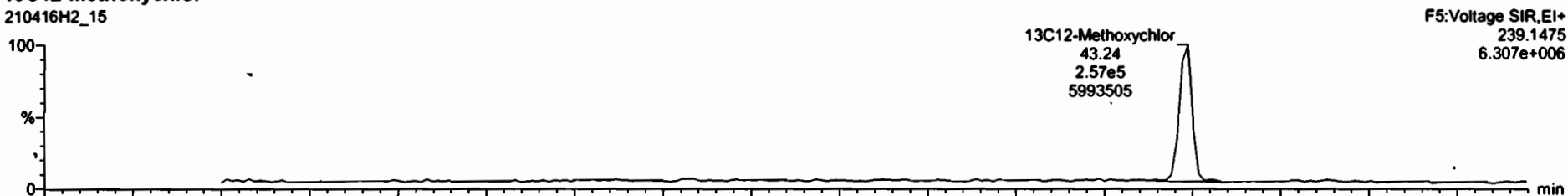
**4,4'-Methoxychlor**  
210416H2\_15



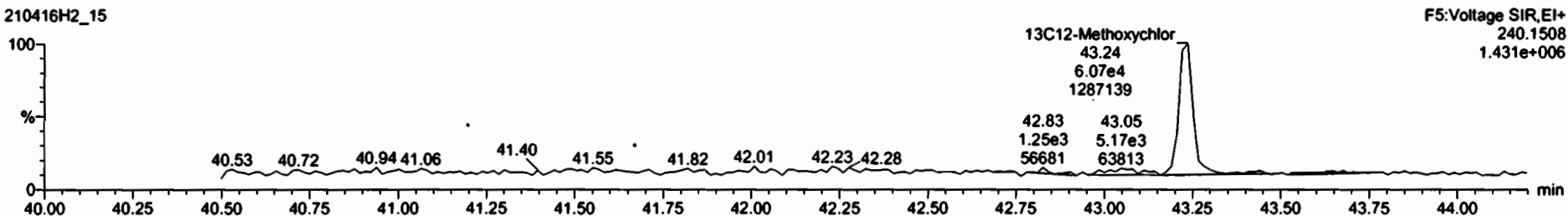
210416H2\_15



**13C12-Methoxychlor**  
210416H2\_15



210416H2\_15

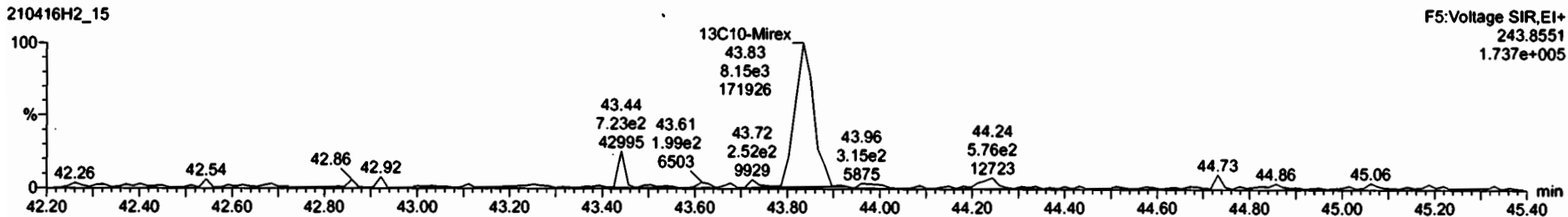
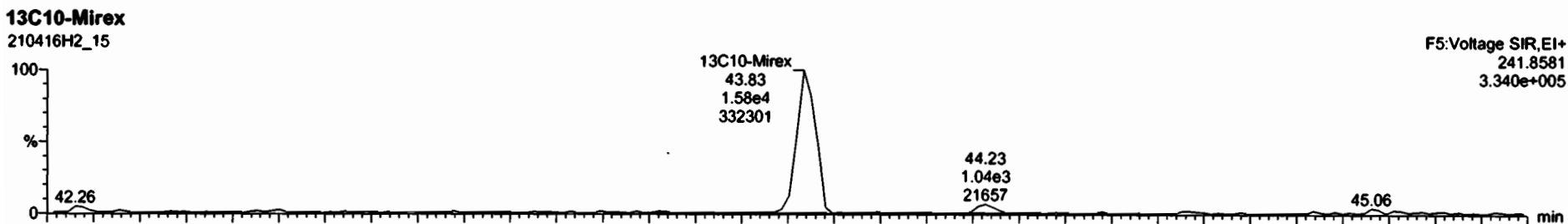
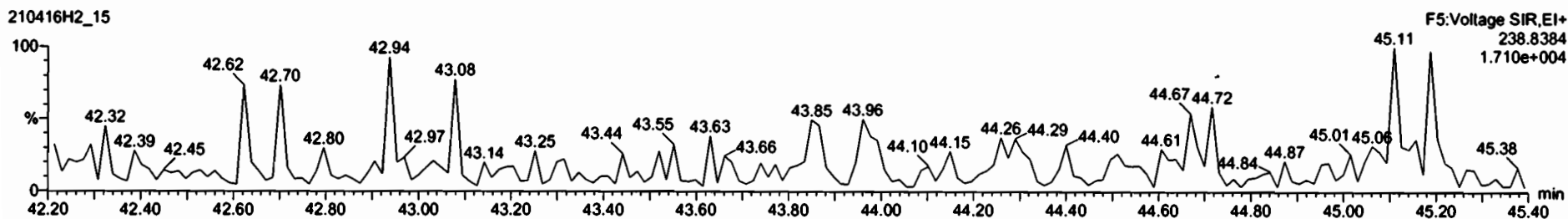
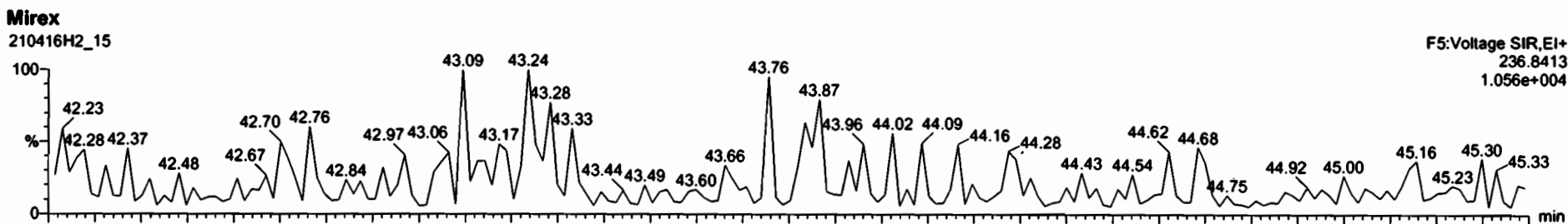




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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

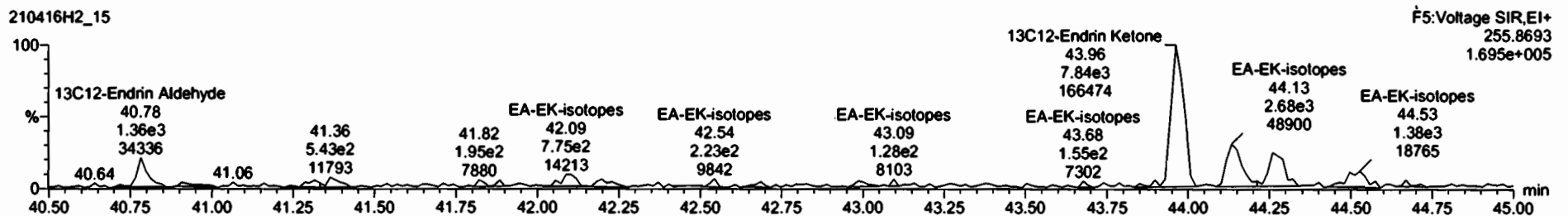
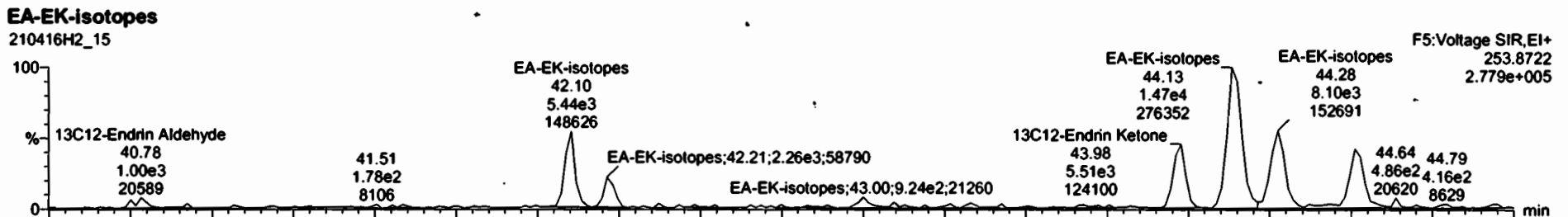
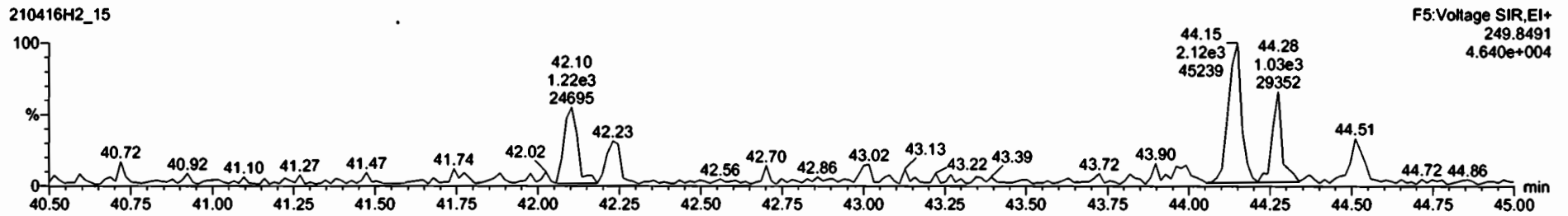
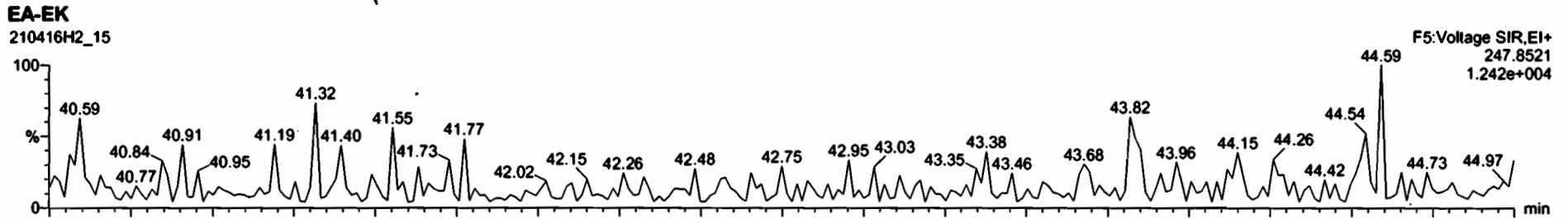
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312



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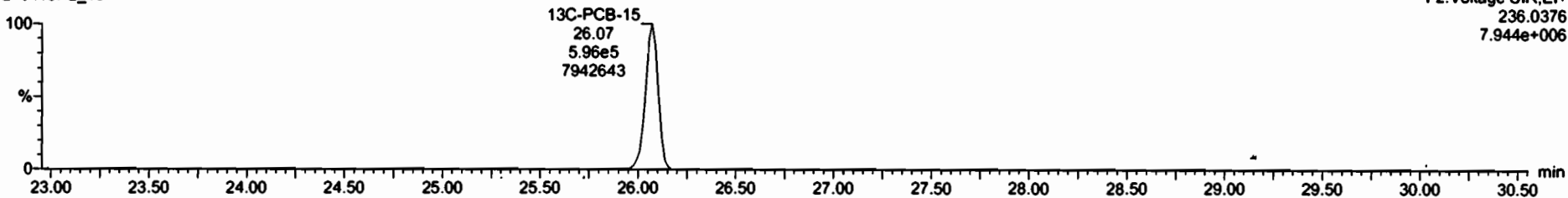
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13C-PCB-15

210416H2\_15

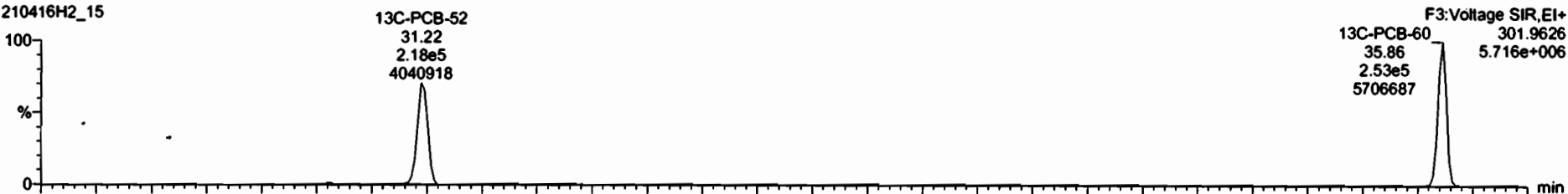


210416H2\_15

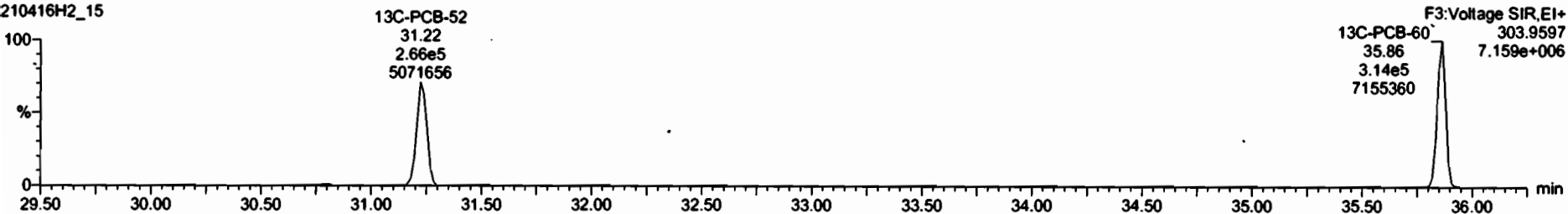


13C-PCB-60

210416H2\_15



210416H2\_15



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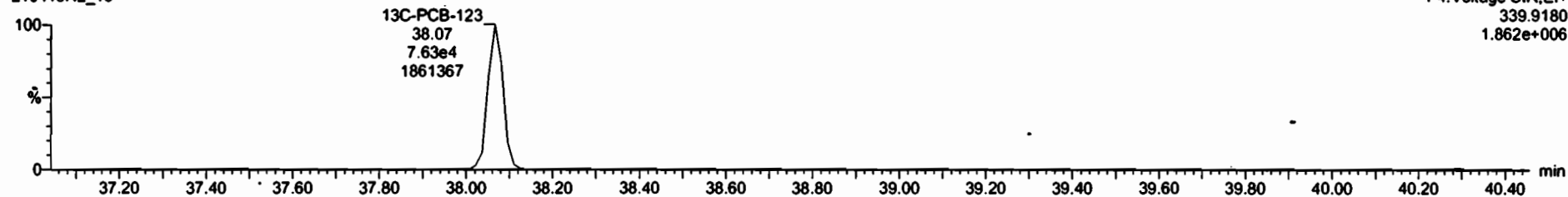
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13C-PCB-123

210416H2\_15



210416H2\_15

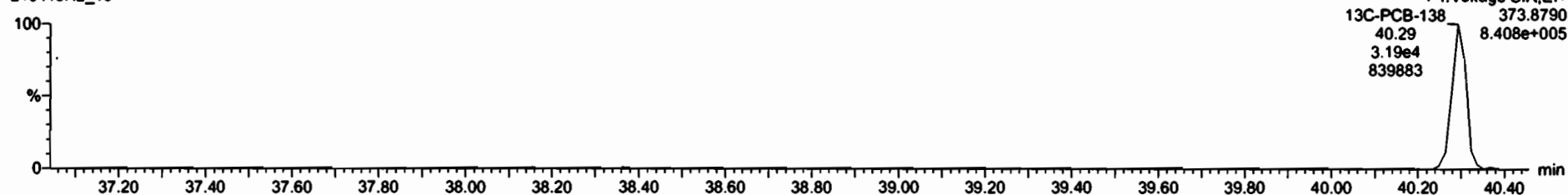


13C-PCB-138

210416H2\_15



210416H2\_15



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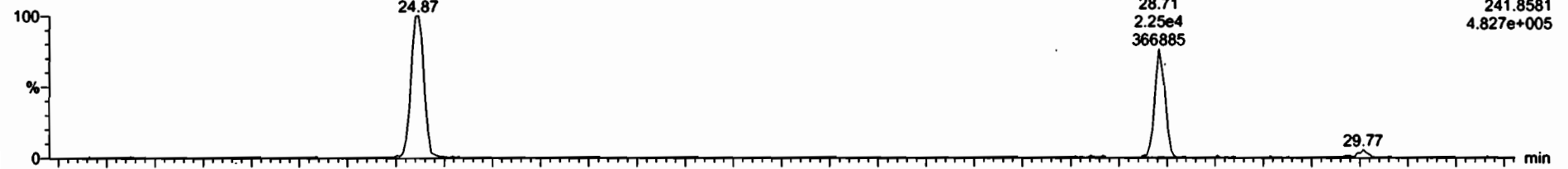
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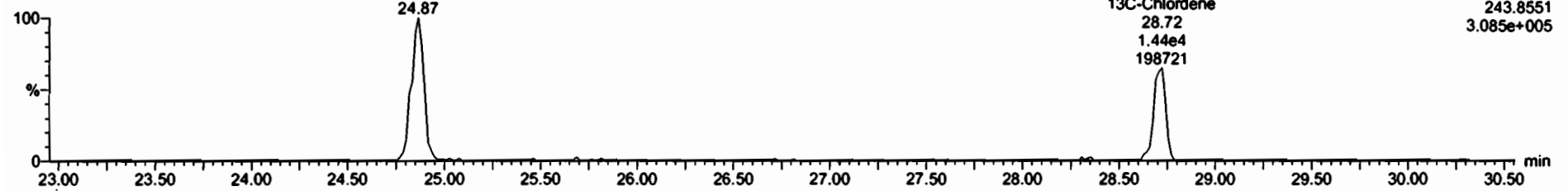
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13C-Chlordene

210416H2\_15

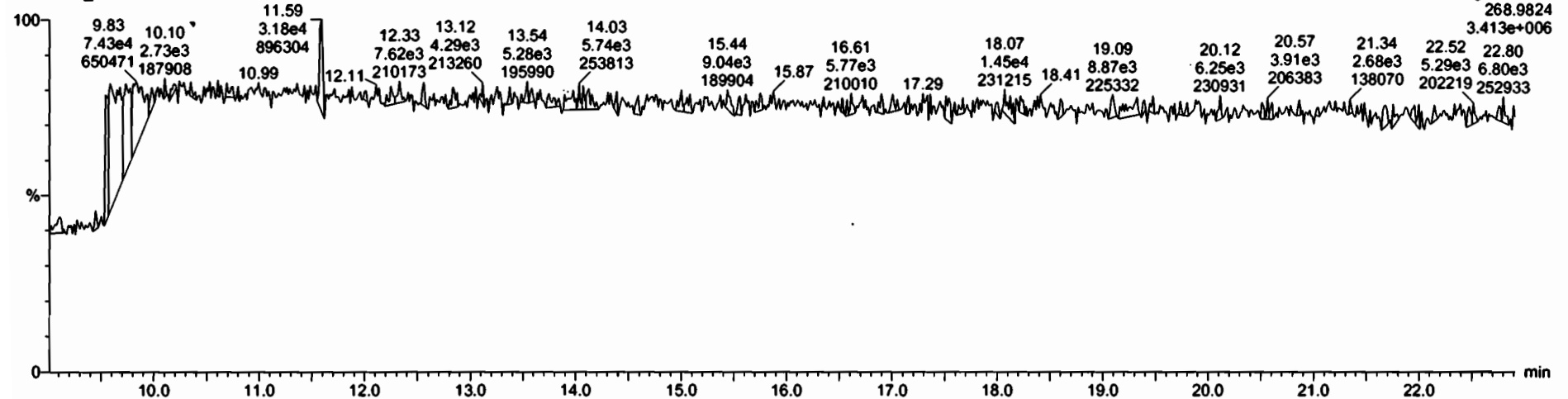


210416H2\_15



PFK1

210416H2\_15



Dataset: Untitled

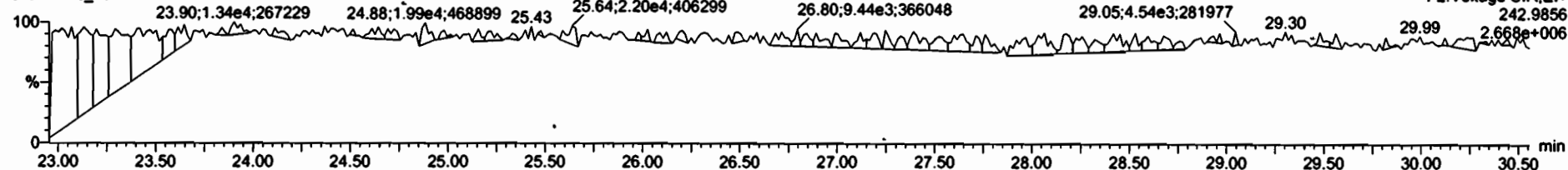
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

Name: 210416H2\_15, Date: 16-Apr-2021, Time: 22:08:08, ID: 2103219-05 USMPDI-069RAB-10-20-210312 1.81, Description: USMPDI-069RAB-10-20-210312

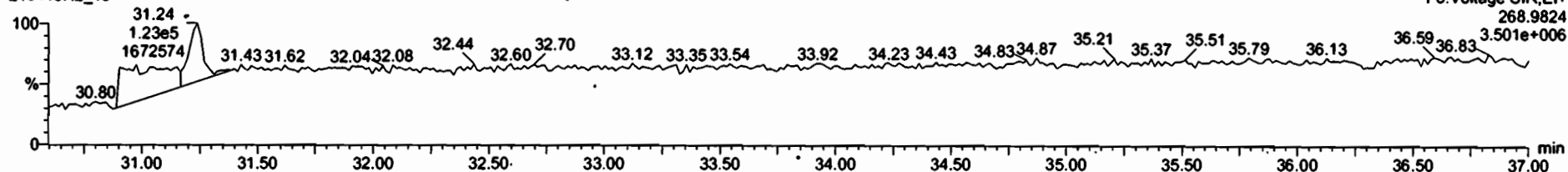
PFK2

210416H2\_15



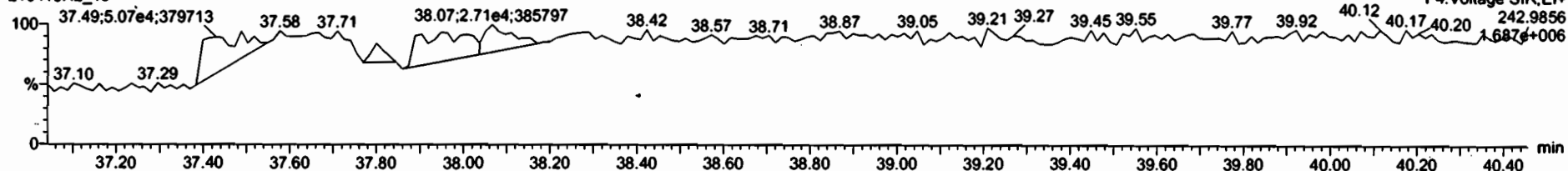
PFK3

210416H2\_15



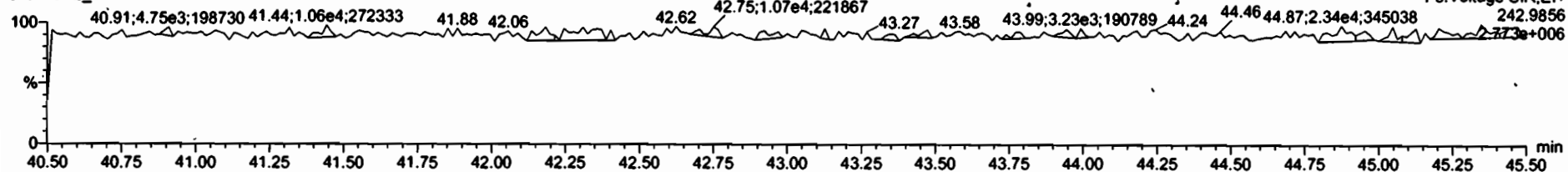
PFK4

210416H2\_15



PFK5

210416H2\_15



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_11.qld

Last Altered: Tuesday, April 20, 2021 17:38:36 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 17:38:59 Pacific Daylight Time

*OC 04/26/21*  
*DF 04/20/21*

*C704/26/2021*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_11, Date: 16-Apr-2021, Time: 18:54:48, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 2.13, Description: USMPDI-069RAB-20-36.3-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...		2.16e5		NO	0.860	1.429 ✓			1.000	YES			1.66	
2	9 Aldrin		9.32e2		NO	1.09	1.429			1.001	YES			1.62	set
3	10 Oxychlorane		5.11e4		NO	1.06	1.429			1.001	YES			2.32	
4	13 trans-Chlordane (g...		4.18e4		NO	1.14	1.429			1.001	YES			2.56	
5	14 trans-Nonachlor		4.26e4		NO	1.06	1.429			1.000	YES			2.58	
6	15 cis-Chlordane		4.26e4		NO	1.16	1.429			1.016	YES			2.34	
7	18 2,4'-DDE		1.32e6		NO	1.02	1.429			1.000	YES			0.738	
8	19 4,4'-DDE	1.98e4	9.20e5	1.42	NO	1.04	1.429	36.81 ✓	1.000	1.000	NO	14.496		1.07	14.5
9	20 Dieldrin		8.02e4		NO	1.03	1.429			1.001	YES			1.36	
10	22 cis-Nonachlor		4.06e4		NO	1.00	1.429			1.000	YES			2.57	

*RX*

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_11.qld

Last Altered: Tuesday, April 20, 2021 17:38:36 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 17:39:09 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_11, Date: 16-Apr-2021, Time: 18:54:48, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 2.13, Description: USMPDI-069RAB-20-36.3-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD		7.56e5		NO	1.07	1.429			1.000	YES			2.48	
2	25 2,4'-DDT		2.59e5		NO	1.05	1.429			1.000	YES			7.72	
3	26 4,4'-DDD	9.63e3	5.11e5	1.36	NO	1.16	1.429	39.15	1.000	1.000	NO	11.348		3.17	11.3
4	27 4,4'-DDT		1.74e5		NO	1.13	1.429			1.001	YES			9.51	
5	36 13C6-Lindane (ga...	2.16e5	1.84e6	0.79	NO	0.194	1.429	26.57	1.020	1.019	NO	423.51	60.5	2.51	
6	40 13C12-Aldrin	9.32e2	1.84e6	2.31	YES	0.154	1.429	30.79	1.182	1.181	NO	2.2964	0.328	1.95	
7	41 13C10-Oxychlorda...	5.11e4	1.84e6	1.63	NO	0.0404	1.429	33.35	1.280	1.280	NO	480.56	68.7	7.42	

see RX



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_11.qld

Last Altered: Tuesday, April 20, 2021 17:38:36 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 17:39:19 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_11, Date: 16-Apr-2021, Time: 18:54:48, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 2.13, Description: USMPDI-069RAB-20-36.3-210312, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	4.18e4	1.84e6	1.68	NO	0.0358	1.429	35.05	1.345	1.344	NO	442.64	63.3	8.38	
2	44 13C10-trans-Nona...	4.26e4	9.59e5	1.67	NO	0.0638	1.429	35.24	0.983	0.983	NO	486.85	69.6	5.08	
3	46 13C12-2,4'-DDE	1.32e6	9.59e5	1.60	NO	1.43	1.429	35.70	0.996	0.995	NO	669.96	95.7	1.49	
4	47 13C12-4,4'-DDE	9.20e5	9.59e5	1.59	NO	0.995	1.429	36.80	1.026	1.026	NO	675.03	96.5	2.15	
5	48 13C12-Dieldrin	8.02e4	9.59e5	1.77	NO	0.146	1.429	37.28	1.040	1.040	NO	400.37	57.2	7.19	
6	50 13C10-cis-Nonach...	4.06e4	9.59e5	1.55	NO	0.0791	1.429	38.94	1.086	1.087	NO	374.55	53.5	13.3	
7	52 13C12-2,4'-DDD	7.56e5	9.59e5	1.60	NO	1.35	1.429	37.89	1.056	1.057	NO	407.68	58.3	1.61	
8	53 13C12-2,4'-DDT	2.59e5	9.59e5	1.62	NO	0.962	1.429	39.00	1.088	1.089	NO	196.28	28.0	2.26	
9	54 13C12-4,4'-DDD	5.11e5	9.59e5	1.59	NO	1.12	1.429	39.14	1.091	1.092	NO	331.53	47.4	1.94	
10	55 13C12-4,4'-DDT	1.74e5	9.59e5	1.65	NO	0.735	1.429	40.19	1.121	1.122	NO	172.99	24.7	2.96	
11	62 13C-PCB-15	1.84e6	1.84e6	1.58	NO	1.00	1.429	26.06	1.000	1.000	NO	699.75	100	0.359	

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_11.qld

Last Altered: Tuesday, April 20, 2021 17:38:36 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 17:39:26 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_11, Date: 16-Apr-2021, Time: 18:54:48, ID: 2103219-06 USMPDI-069RAB-20-36.3-210312 2.13, Description: USMPDI-069RAB-20-36.3-210312, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	9.59e5	9.59e5	0.81	NO	1.00	1.429	35.86	1.000	1.000	NO	699.75	100	0.928	

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:31:02 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

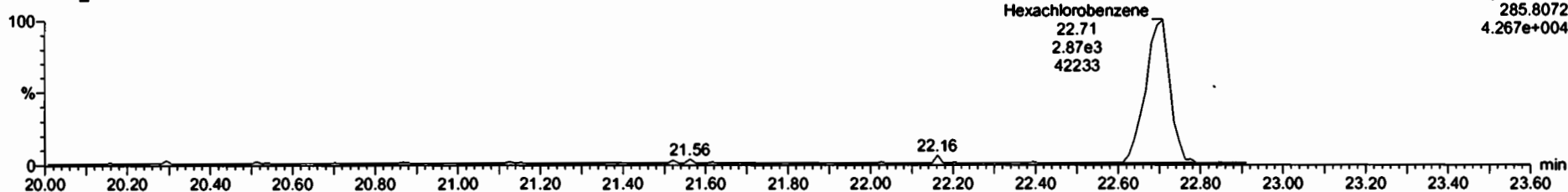
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Hexachlorobenzene

210416H2\_11



210416H2\_11

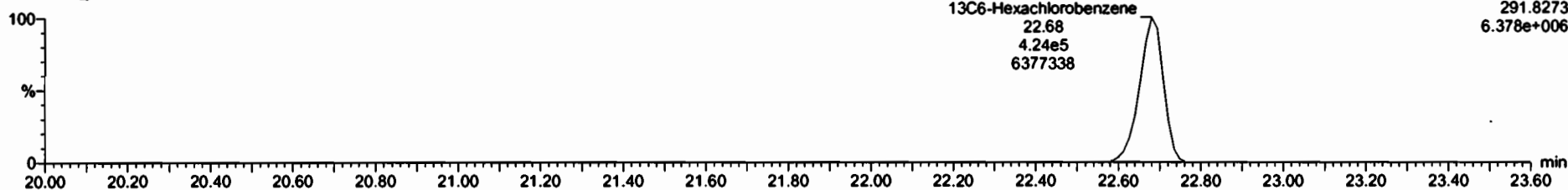


13C6-Hexachlorobenzene

210416H2\_11



210416H2\_11



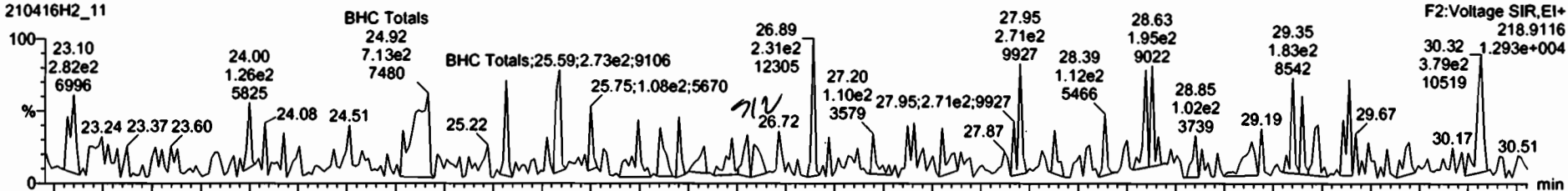
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

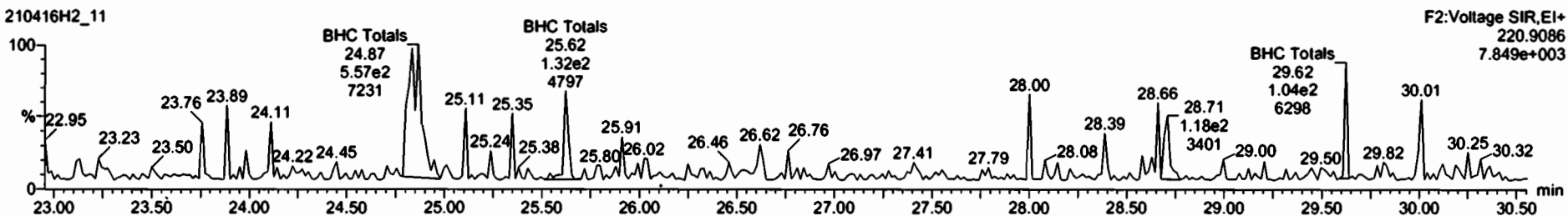
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**BHC Totals**

210416H2\_11

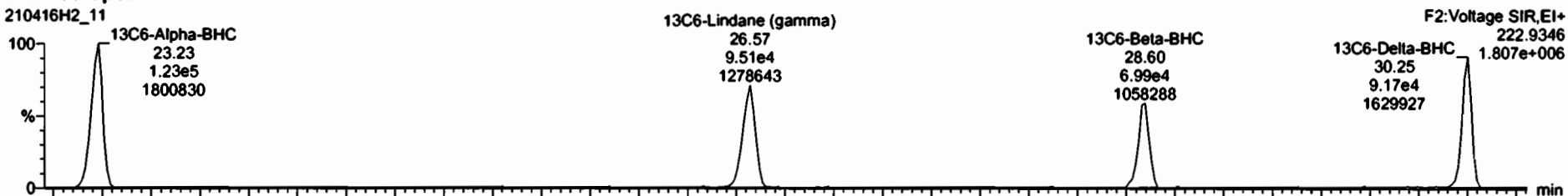


210416H2\_11

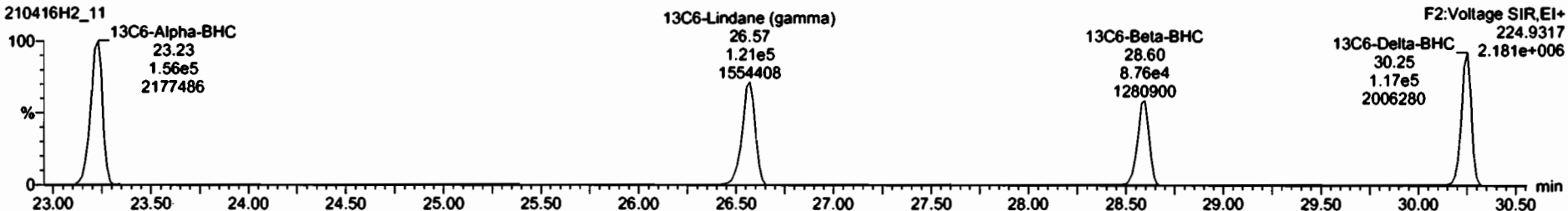


**BHC-isotopes**

210416H2\_11



210416H2\_11



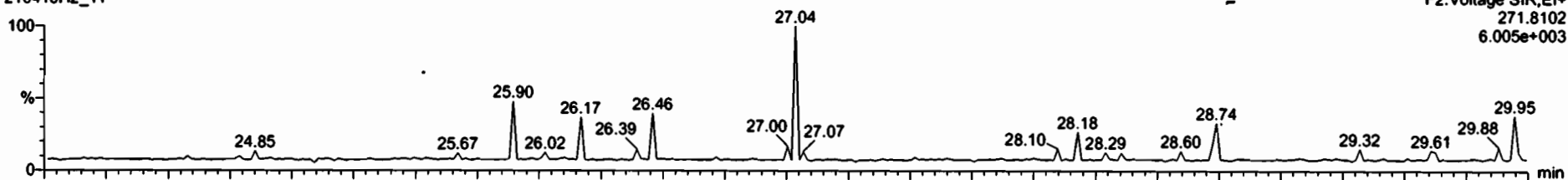
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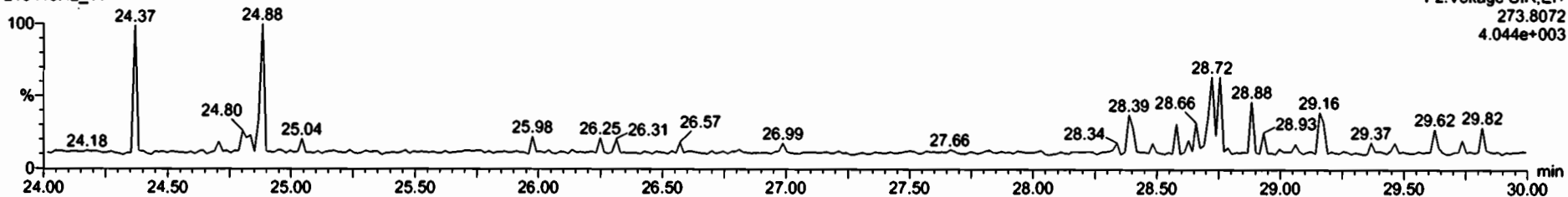
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Heptachlor

210416H2\_11

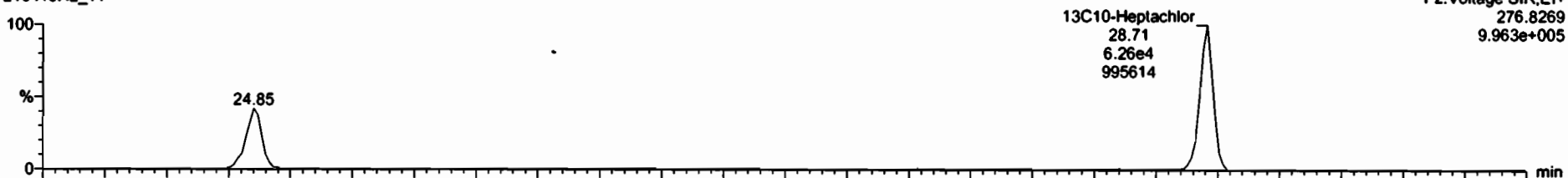


210416H2\_11

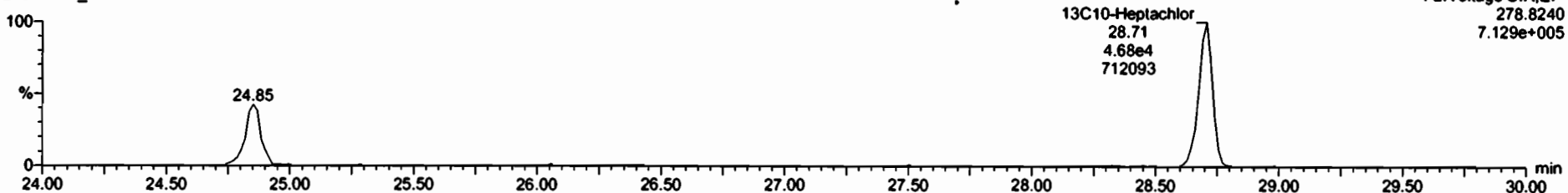


13C10-Heptachlor

210416H2\_11



210416H2\_11



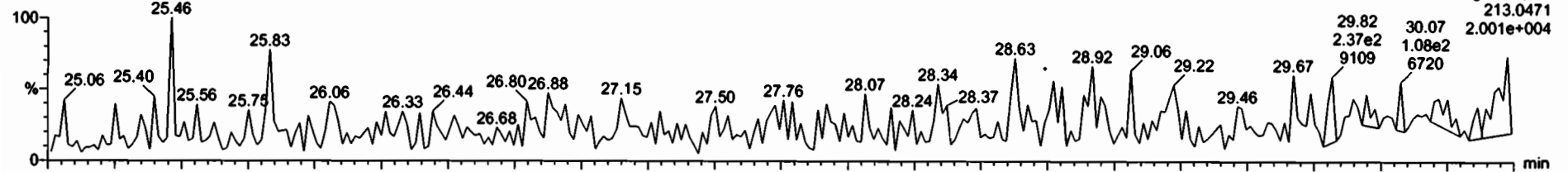
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

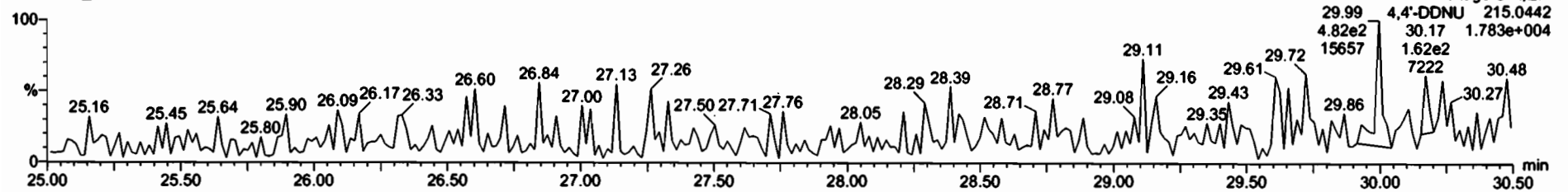
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4,4'-DDNU

210416H2\_11

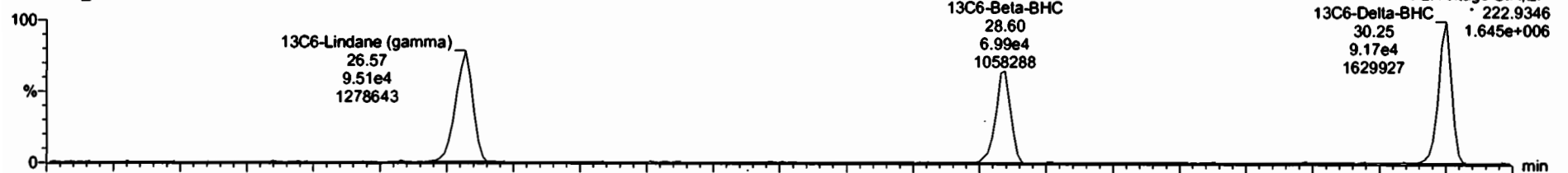


210416H2\_11

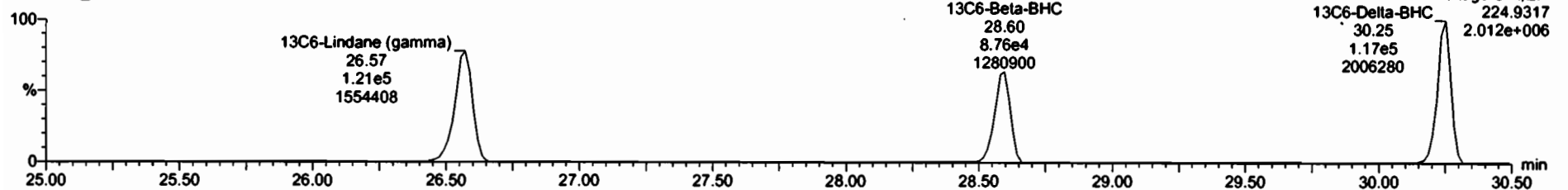


13C6-Delta-BHC

210416H2\_11



210416H2\_11



Dataset: Untitled

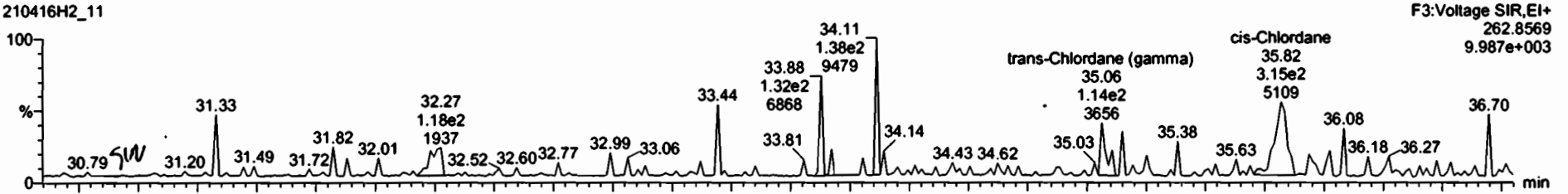
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

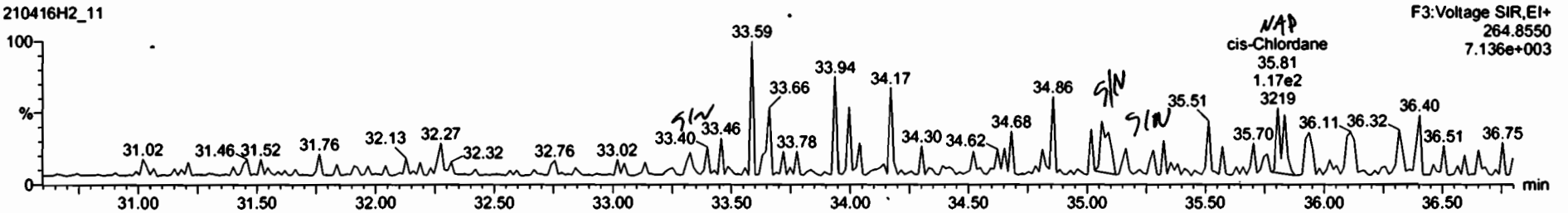
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**Aldrin-EI**

210416H2\_11

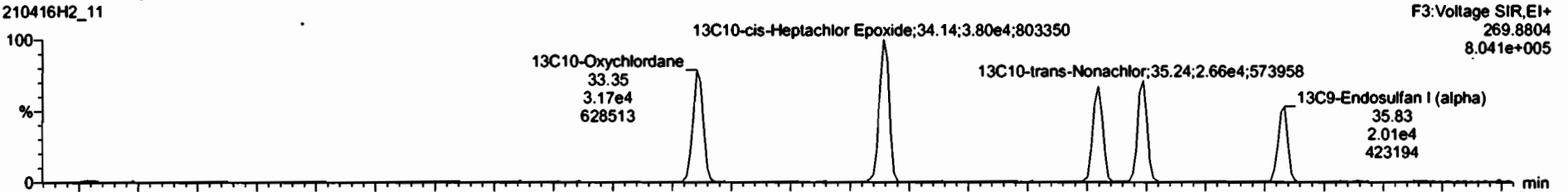


210416H2\_11

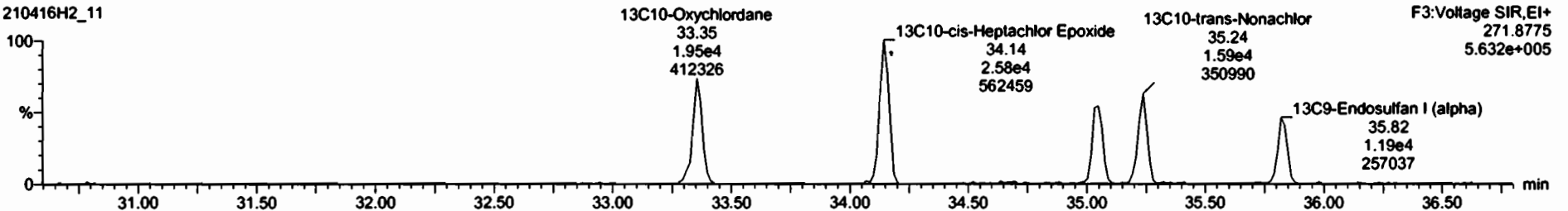


**Aldrin-EI-Isotopes**

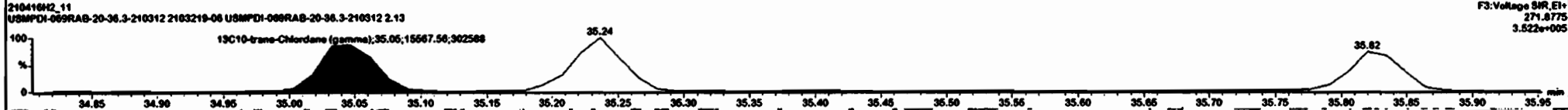
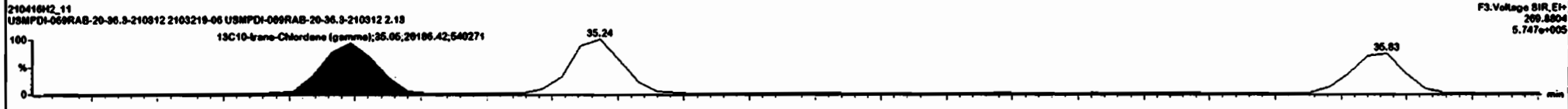
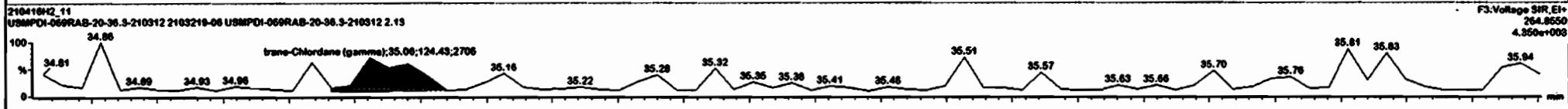
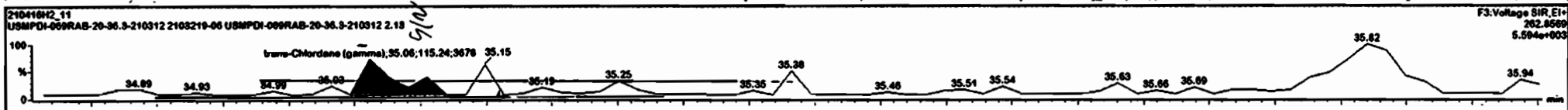
210416H2\_11



210416H2\_11



#	Name	Resp	Area	RA	Int	Wval	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc	%Rec	DL	EMPC	
1	Hexachlorobutadiene	1.53e4	1.56e4	0.34	YES	0.10	1.4291	10.00	1.001	1.002	NO	670.5		0.749	305	
2	Hexachlorobenzene	6.70e3	9.80e3	1.33	NO	0.96	1.4291	22.69	22.69	1.001	1.000	NO	4.063		0.0350	4.66
3	Alpha-BHC		2.79e5		NO	0.83	1.4291			1.001	YES				1.23	
4	Lindane (gamma-BHC)		2.16e5		NO	0.96	1.4291			1.000	YES				1.66	
5	Beta-BHC		1.57e5		NO	1.00	1.4291			1.001	YES				1.75	
6	Delta-BHC		2.09e5		NO	0.91	1.4291			1.001	YES				1.23	
7	Heptachlor		1.09e5		NO	1.10	1.4291			1.001	YES				0.567	
8	4,4'-DDNU	4.15e2	2.09e5	1.58	YES	1.25	1.4291	30.22	30.19	0.999	0.998	NO	1.109		1.99	0.882
9	Alrin		9.32e2		NO	1.09	1.4291			1.001	YES				1.52	
10	Oryzthione		5.11e4		NO	1.06	1.4291			1.001	YES				2.32	
11	cis-Heptachlor Epoxide		6.38e4		NO	1.06	1.4291			1.001	YES				1.73	
12	trans-Heptachlor Epoxide		6.38e4		NO	0.29	1.4291			1.016	YES				6.39	
13	trans-Chlordane (gamma)	2.40e2	4.18e4	0.93	YES	1.14	1.4291	35.06	35.06	1.000	1.001	NO	3.535		2.54	2.70
14	trans-Nonachlor		4.26e4		NO	1.06	1.4291			1.000	YES				2.56	
15	cis-Chlordane	4.32e2	4.26e4	2.70	YES	1.16	1.4291	35.82	35.79	1.017	1.016	NO	6.102		2.34	4.22
16	Endosulfan I (alpha)		3.20e4		NO	1.23	1.4291			1.001	YES				3.82	
17	4,4'-DDNU		1.32e6		NO		1.4291			0.994	YES				1.73	
18	2,6'-DDE		1.32e6		NO	1.02	1.4291			1.000	YES				0.738	
19	4,4'-DDE	2.06e4	9.20e5	1.38	NO	1.04	1.4291	36.81	36.80	1.000	1.000	NO	15.12		1.07	15.1
20	Dieldrin	2.44e2	8.62e4	1.40	NO	1.03	1.4291	37.28	37.32	1.000	1.001	NO	2.078		1.36	2.07





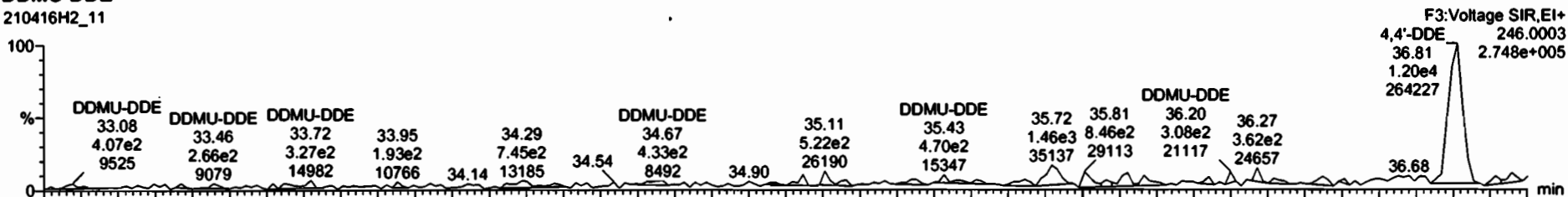
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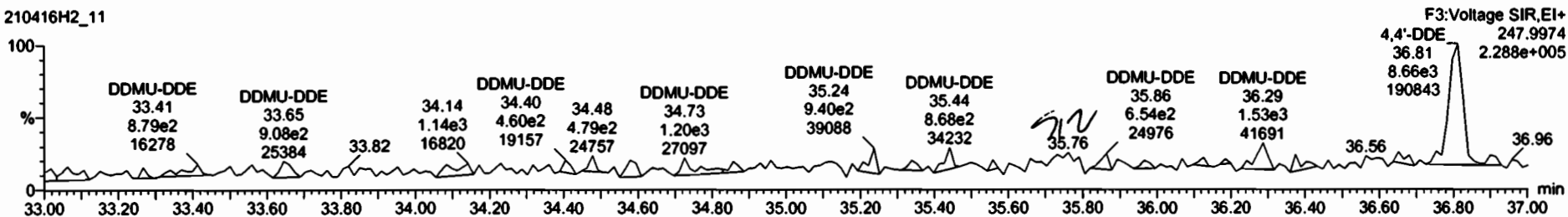
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DDMU-DDE

210416H2\_11



210416H2\_11

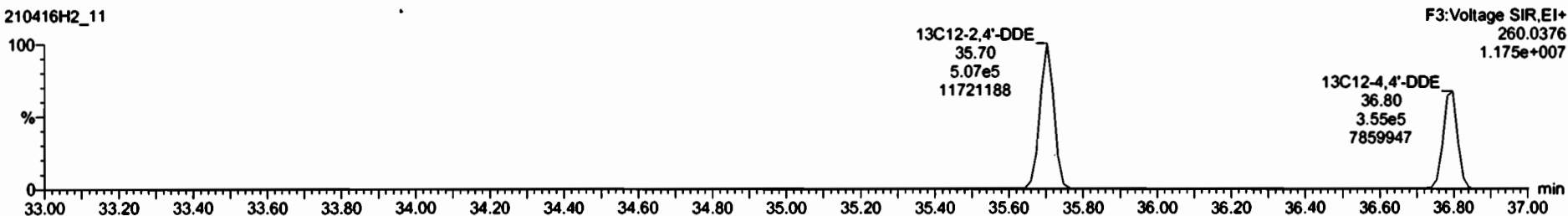


DDE-isotopes

210416H2\_11



210416H2\_11

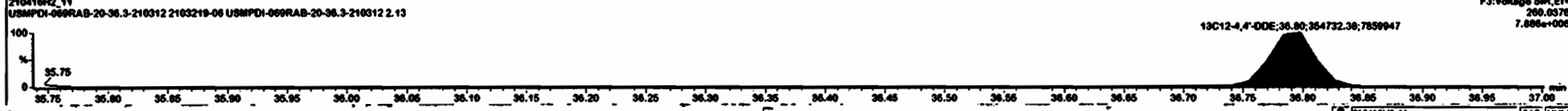
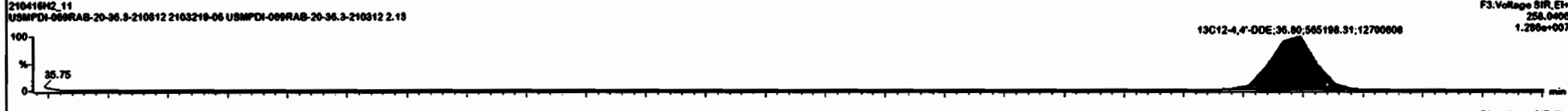
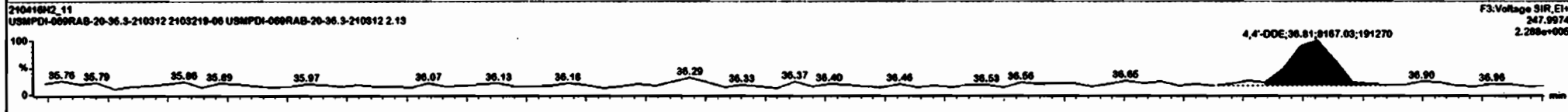
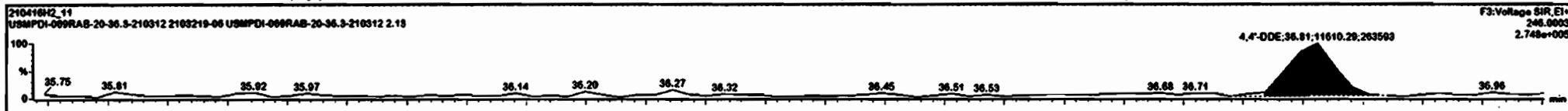


TargetLynx - 21041642\_11.qtd - Chromatogram

File Edit View Display Processing Window Help

21041642\_11 - 2103219-06 USMPDI-069RAB-20-36.3-210312 2 13 - USMPDI-069RAB-20-36.3-210312

#	Name	Retp	AREA	RA	dy	Ref	WtVal	RT	Prod RT	RRT	Prod RRT	Chk RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.53e4	1.56e0	0.34	YES	0.10	1.4291	10.00	10.00	1.001	1.002	NO	670.5		0.749	305
2	Hexachlorobenzene	6.70e3	9.80e5	1.33	NO	0.98	1.4291	22.09	22.09	1.001	1.000	NO	4.063		0.0358	4.86
3	Alpha-BHC		2.79e5		NO	0.83	1.4291	23.26			1.001	YES			1.23	
4	Lindane (gamma-BHC)		2.10e5		NO	0.86	1.4291	26.58			1.000	YES			1.66	
5	Beta-BHC		1.57e5		NO	1.00	1.4291	28.62			1.001	YES			1.75	
6	Delta-BHC		2.09e5		NO	0.91	1.4291	30.28			1.001	YES			1.23	
7	Heptachlor		1.09e5		NO	1.10	1.4291	28.74			1.001	YES			0.567	
8	4,4'-DDNU	4.15e2	2.09e5	1.58	YES	1.25	1.4291	30.22	30.19	0.999	0.998	NO	1.109		1.99	0.092
9	Aldrin		0.32e2		NO	1.09	1.4291	30.82			1.001	YES			1.52	
10	Dysochlorane		5.11e4		NO	1.06	1.4291	33.39			1.001	YES			2.32	
11	cis-Heptachlor Epoxide		0.38e4		NO	1.08	1.4291	34.18			1.001	YES			1.73	
12	trans-Heptachlor Epoxide		0.38e4		NO	0.29	1.4291	34.69			1.016	YES			6.36	
13	trans-Chlordane (gamma)	2.40e2	4.10e4	0.93	YES	1.14	1.4291	35.06	35.06	1.000	1.001	NO	3.535		2.56	2.79
14	trans-Nonachlor		4.26e4		NO	1.06	1.4291	35.24			1.000	YES			2.56	
15	cis-Chlordane		4.26e4		NO	1.16	1.4291	35.79			1.016	YES			2.34	
16	Endosulfan I (alpha)		3.20e4		NO	1.23	1.4291	35.87			1.001	YES			3.02	
17	4,4'-DDNU		1.32e6		NO		1.4291	35.49			0.994	YES			1.73	
18	2,4'-DDE		1.32e6		NO	1.02	1.4291	35.70			1.000	YES			0.730	
19	4,4'-DDE	1.90e4	9.20e5	1.42	NO	1.04	1.4291	36.81	36.80	1.000	1.000	NO	14.50		1.07	14.5
20	Dieldrin	2.44e2	8.02e4	1.48	NO	1.03	1.4291	37.26	37.32	1.000	1.001	NO	2.070		1.36	2.07



Dataset: Untitled

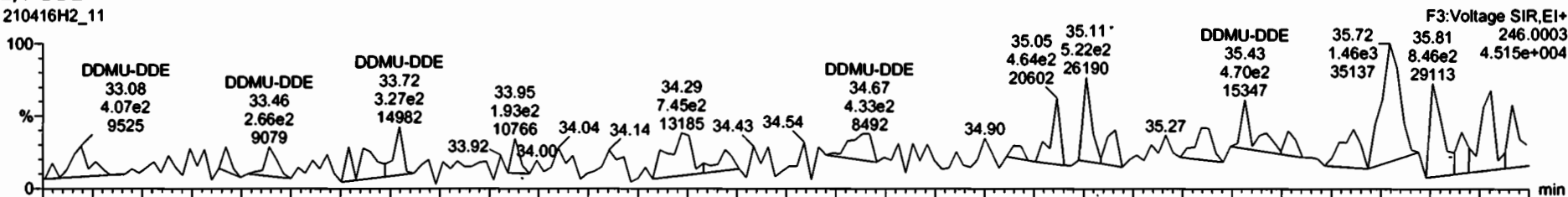
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

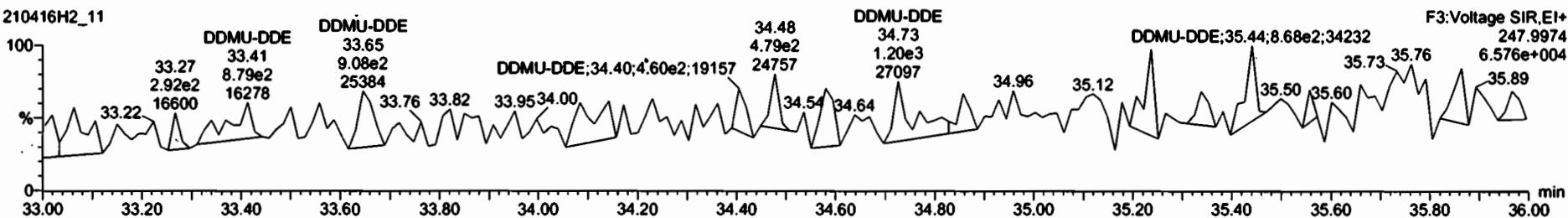
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2,4'-DDE

210416H2\_11



210416H2\_11

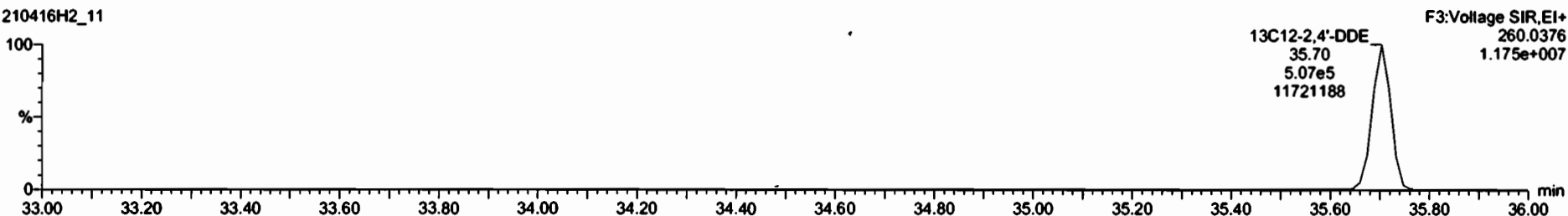


13C12-2,4'-DDE

210416H2\_11



210416H2\_11

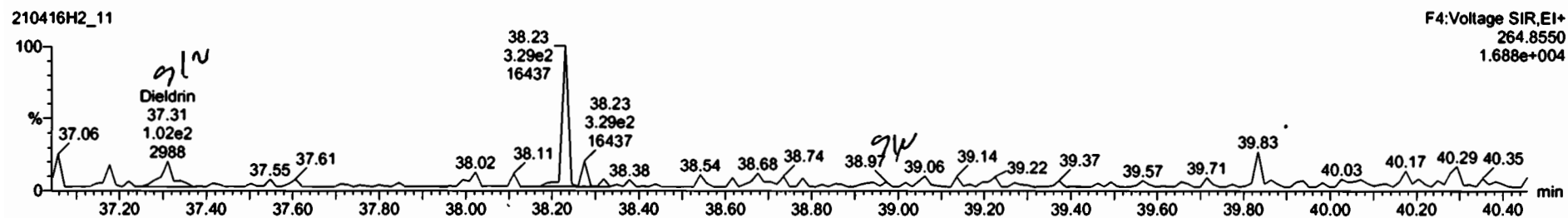
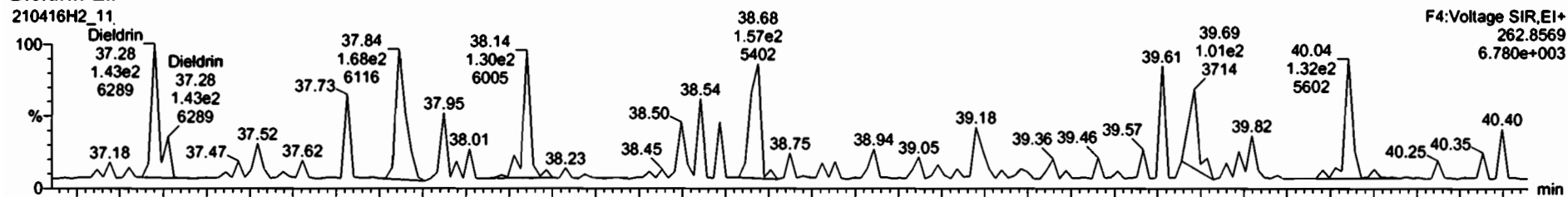


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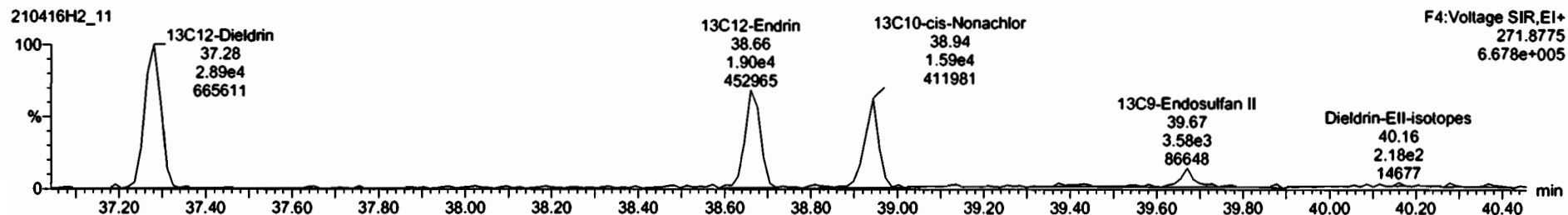
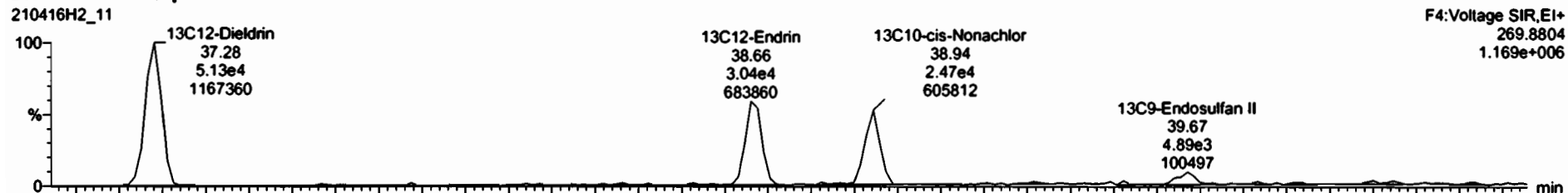
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**Dieldrin-EII**



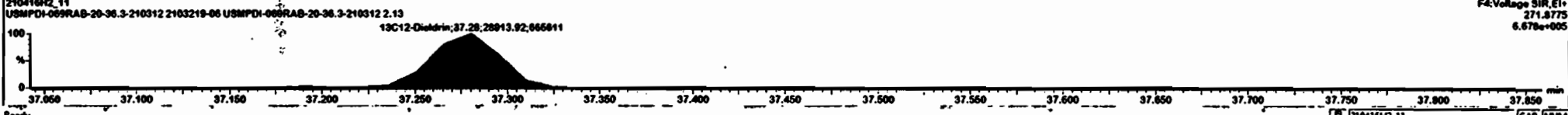
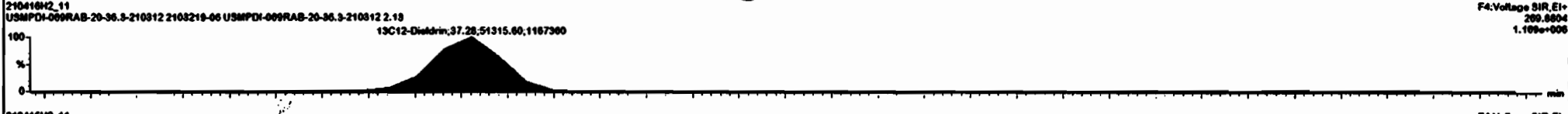
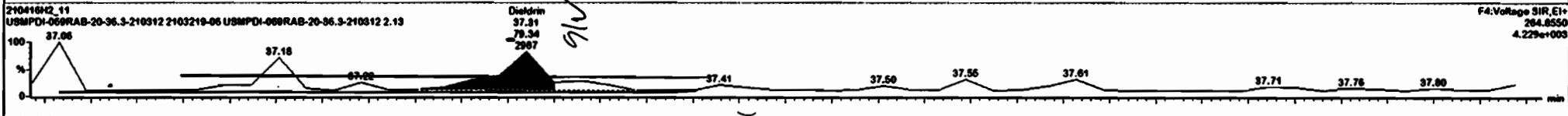
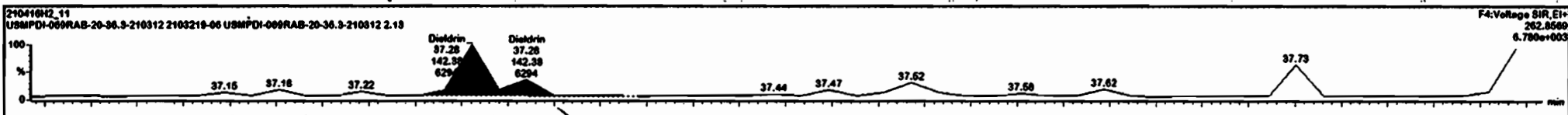
**Dieldrin-EII-isotopes**



TargetLynx - 210416Q2\_11.qld - Chromatogram

210416Q2\_11 - 2103219-05 USMPDI-069RAB-20-36.3-210312 2.13 - USMPDI-069RAB-20-36.3-210312

#	Name	Resp	AREA	RA	dy	RF	Int	RT	Prod RT	Int	Prod RT	Check RT	Conc	%ASC	DL	EMPC
1	Hexachlorobutadiene	1.53e4	1.56e8	0.34	YES	0.10	1.4291	10.00	10.00	1.001	1.002	NO	670.5		0.749	305
2	Hexachlorobenzene	6.70e3	8.80e5	1.33	NO	0.00	1.4291	22.69	22.69	1.001	1.001	NO	4.063		0.0350	4.86
3	Alpha-BHC		2.79e5		NO	0.83	1.4291		23.26		1.001	YES			1.23	
4	Lindane (gamma-BHC)		2.16e5		NO	0.86	1.4291		26.56		1.000	YES			1.66	
5	Beta-BHC		1.57e5		NO	1.00	1.4291		28.62		1.001	YES			1.75	
6	Delta-BHC		2.09e5		NO	0.91	1.4291		30.28		1.001	YES			1.23	
7	Heptachlor		1.09e5		NO	1.10	1.4291		28.74		1.001	YES			0.567	
8	4,4'-DDEU	4.15e2	2.09e5	1.58	YES	1.25	1.4291	30.22	30.19	0.999	0.998	NO	1.109		1.99	0.892
9	Aldrin		9.32e2		NO	1.09	1.4291		30.62		1.001	YES			152	
10	Oxychloridene		5.11e4		NO	1.06	1.4291		33.30		1.001	YES			2.32	
11	cis-Heptachlor Epoxide		6.38e4		NO	1.06	1.4291		34.18		1.001	YES			1.73	
12	trans-Heptachlor Epoxide		6.38e4		NO	0.29	1.4291		34.69		1.016	YES			6.30	
13	trans-Chlordane (gamma)	2.40e2	4.18e4	0.93	YES	1.14	1.4291	35.06	35.06	1.000	1.001	NO	3.535		2.56	2.79
14	trans-Nonachlor		4.26e4		NO	1.06	1.4291		35.24		1.000	YES			2.50	
15	cis-Chlordane		4.26e4		NO	1.16	1.4291		35.78		1.016	YES			2.34	
16	Endosulfan I (alpha)		3.20e4		NO	1.23	1.4291		35.87		1.001	YES			3.02	
17	4,4'-DDEU		1.32e5		NO		1.4291		35.49		0.994	YES			1.73	
18	2,4'-DDE		1.32e5		NO	1.02	1.4291		35.70		1.000	YES			0.736	
19	4,4'-DDE	1.98e4	9.20e5	1.42	NO	1.04	1.4291	36.81	36.80	1.000	1.000	NO	14.50		1.07	14.5
20	Dieldrin	2.22e2	6.02e4	1.79	NO	1.03	1.4291	37.28	37.32	1.000	1.001	NO	1.876		1.36	1.68



Dataset: Untitled

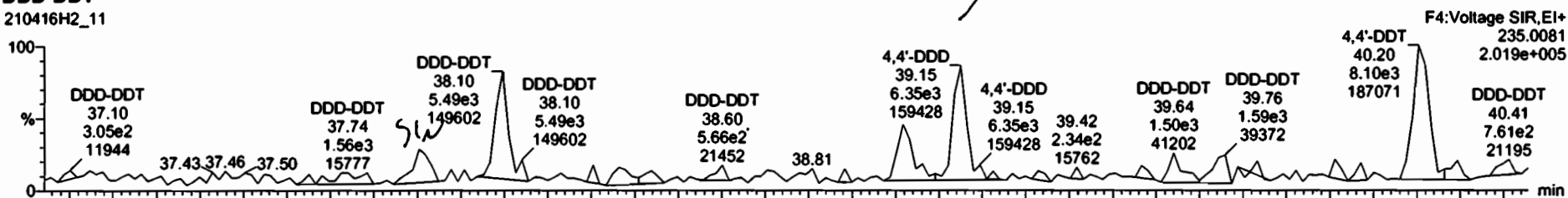
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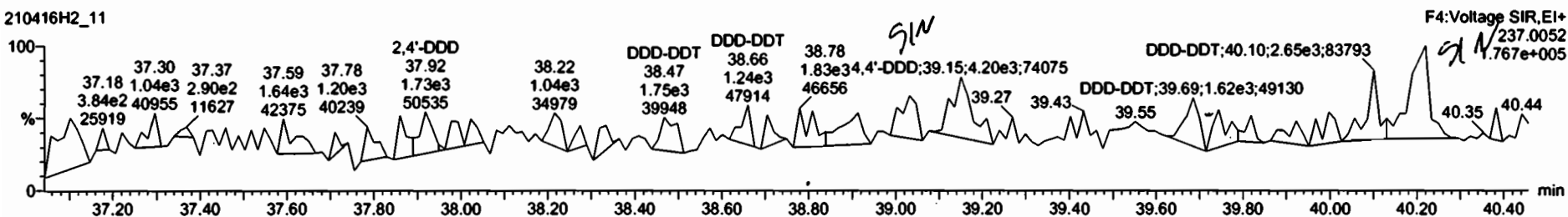
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DDD-DDT

210416H2\_11

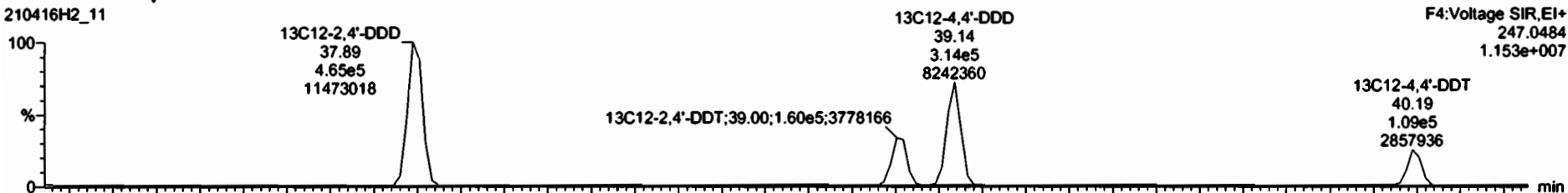


210416H2\_11

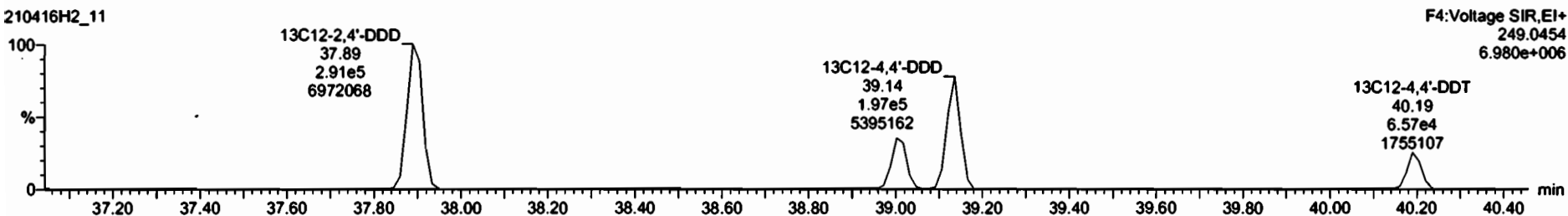


DDD-DDT-isotopes

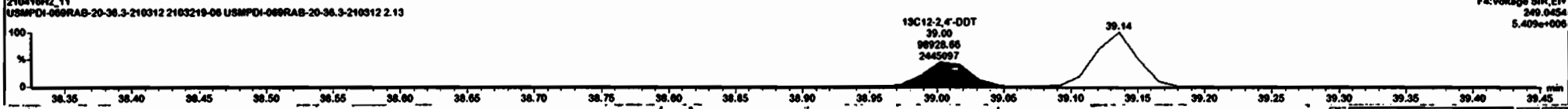
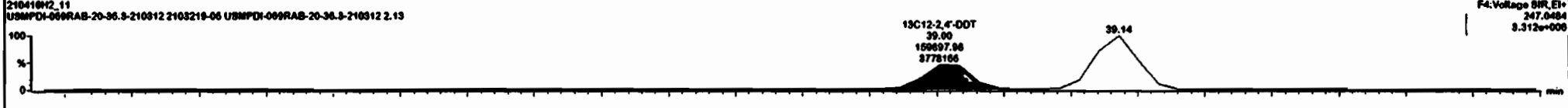
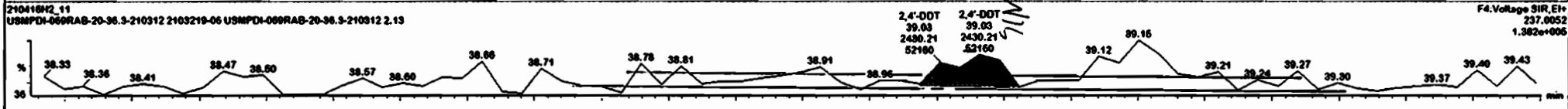
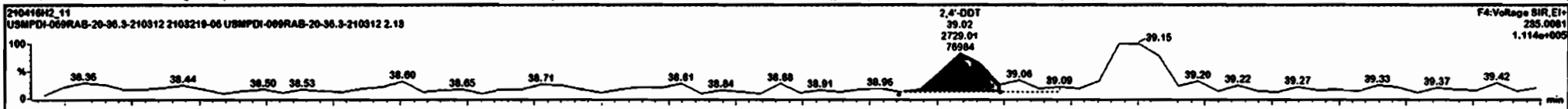
210416H2\_11



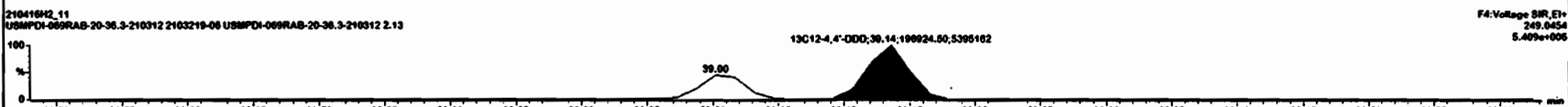
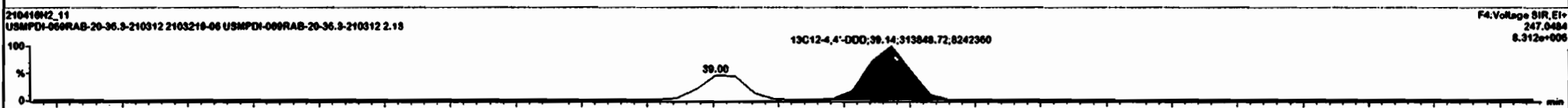
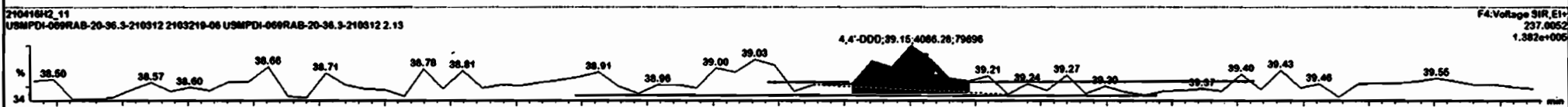
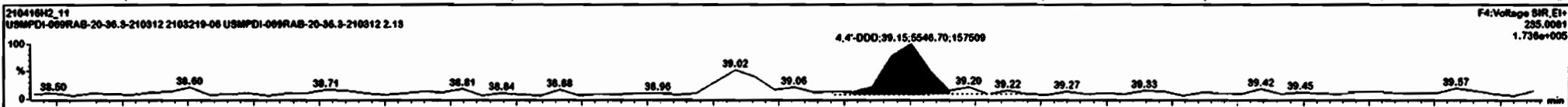
210416H2\_11



#	Name	Area	RA	aly	RRF	Wt%	RT	Prod RT	2 <sup>nd</sup> RT	Prod RRT	Check RRT	Conc	%RAC	DL	EMPC
22	o,p-Hexachlor	4.06e4		NO	1.00	1.4291	38.94			1.000	YES			2.57	
23	Endosulfan (beta)	8.47e3		NO	1.07	1.4291	39.67			1.000	YES			13.7	
24	2,4'-DDD	7.56e5		NO	1.07	1.4291	37.89			1.000	YES			2.46	
25	2,4'-DDT	5.16e3	2.50e5	1.12	YES	1.05	1.4291	39.02	39.00	1.000	1.000	NO	13.33	7.72	11.6
26	4,4'-DDD	1.05e4	5.11e5	1.51	NO	1.16	1.4291	38.15	38.14	1.000	1.000	NO	12.42	3.17	12.4
27	4,4'-DDT	1.44e4	1.74e5	1.29	NO	1.13	1.4291	40.20	40.23	1.000	1.001	NO	50.98	9.51	51.0
28	Endosulfan Sulfate	1.13e4		NO	1.04	1.4291	41.38			1.000	YES			11.5	
29	4,4'-Methoxychlor	5.63e5		NO	1.22	1.4291	43.24			1.000	YES			19.9	
30	Mirex	8.01e4		NO	1.03	1.4291	43.88			1.001	YES			1.93	
31	Endrin Aldehyde	9.41e2		NO	1.03	1.4291	40.00			1.000	YES			1510	
32	Endrin Ketone	6.62e3		NO	0.93	1.4291	43.98			1.000	YES			283	
33	13C4-Hexachlorobutadi...	1.56e6	1.84e6	1.28	NO	0.16	1.4291	9.90	9.97	0.363	0.363	NO	3703	52.9	0.512
34	13C6-Hexachlorobenze...	9.80e5	1.84e6	1.31	NO	0.87	1.4291	22.08	22.09	0.870	0.871	NO	429.4	61.4	0.0524
35	13C6-Alpha-BHC	2.79e5	1.84e6	0.79	NO	0.26	1.4291	23.23	23.21	0.891	0.891	NO	416.4	58.6	1.89
36	13C6-Lindane (gamma)	2.10e5	1.84e6	0.79	NO	0.18	1.4291	26.57	26.55	1.020	1.018	NO	423.5	80.5	2.51
37	13C6-Beta-BHC	1.57e5	1.84e6	0.80	NO	0.14	1.4291	28.60	28.58	1.097	1.097	NO	416.8	58.5	3.38
38	13C6-Delta-BHC	2.69e5	1.84e6	0.78	NO	0.17	1.4291	30.25	30.23	1.161	1.160	NO	472.8	67.6	2.80
39	13C18-Heptachlor	1.89e5	1.84e6	1.34	NO	0.15	1.4291	28.71	28.71	1.102	1.102	NO	280.1	40.8	0.624
40	13C12-Aldrin	9.32e2	1.84e6	2.31	YES	0.15	1.4291	30.79	30.79	1.182	1.181	NO	2.296	0.328	1.95
41	13C18-Oxychloridane	5.11e4	1.84e6	1.63	NO	0.84	1.4291	33.35	33.34	1.200	1.200	NO	480.8	68.7	7.42

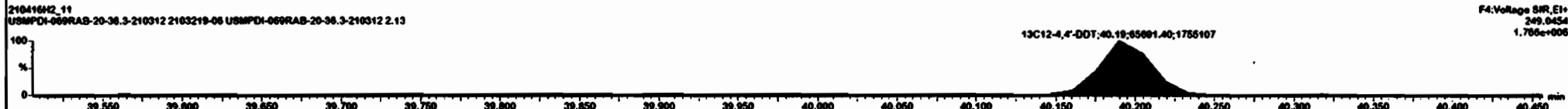
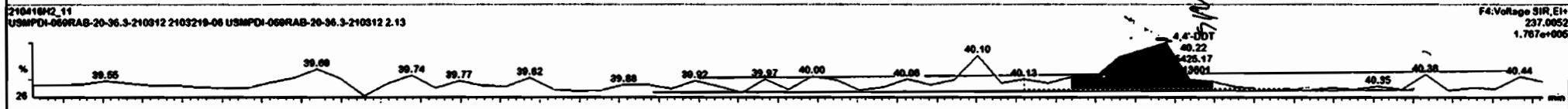
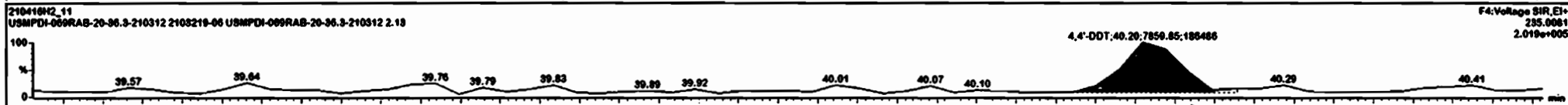


#	Name	Resp	IS AREA	RA	dy	RF	wVwV	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc.	%Rec	DL	EUPC
22	cb-Nonechlor		4.06e4		NO	1.00	1.4291	38.94			1.000	YES			2.57	
23	Endosulfan S (beta)		8.47e3		NO	1.07	1.4291	39.67			1.000	YES			13.7	
24	2,4'-DDD		7.56e5		NO	1.07	1.4291	37.89			1.000	YES			2.48	
25	2,4'-DDT	5.16e3	2.59e5	1.12	YES	1.05	1.4291	39.02	39.00	1.000	1.000	NO	13.33		7.72	11.6
26	4,4'-DDD	9.63e3	5.11e5	1.38	NO	1.16	1.4291	38.13	38.14	1.600	1.000	NO	11.35		3.17	11.3
27	4,4'-DDT	1.44e4	1.74e5	1.29	NO	1.13	1.4291	40.20	40.23	1.000	1.001	NO	59.98		9.51	51.0
28	Endosulfan Sulfate		1.13e4		NO	1.04	1.4291	41.38			1.000	YES			11.5	
29	4,4'-Methoxychlor		5.83e5		NO	1.22	1.4291	43.24			1.000	YES			19.9	
30	Miprex		8.01e4		NO	1.03	1.4291	43.88			1.001	YES			1.93	
31	Endrin Aldohyde		9.41e2		NO	1.03	1.4291	40.80			1.000	YES			1510	
32	Endrin Ketone		6.02e3		NO	0.93	1.4291	43.96			1.000	YES			283	
33	13C4-Hezachlorobuta...	1.56e6	1.84e6	1.28	NO	0.16	1.4291	9.98	9.97	0.383	0.363	NO	3703	52.9	0.512	
34	13C6-Hezachlorobenze...	9.80e5	1.84e6	1.31	NO	0.87	1.4291	22.68	22.69	0.870	0.871	NO	429.4	61.4	0.0524	
35	13C8-Alpha-BHC	2.79e5	1.84e6	0.79	NO	0.26	1.4291	23.23	23.21	0.891	0.891	NO	418.4	58.6	1.00	
36	13C8-Lindane (gamma)	2.16e5	1.84e6	0.79	NO	0.19	1.4291	26.57	26.55	1.020	1.019	NO	423.5	60.5	2.51	
37	13C8-Beta-BHC	1.57e5	1.84e6	0.80	NO	0.14	1.4291	28.60	28.58	1.097	1.097	NO	416.9	59.5	3.30	
38	13C8-Delta-BHC	2.00e5	1.84e6	0.78	NO	0.17	1.4291	30.25	30.23	1.181	1.180	NO	472.8	67.8	2.90	
39	13C10-Heptachlor	1.89e5	1.84e6	1.34	NO	0.15	1.4291	28.71	28.71	1.102	1.102	NO	280.1	40.0	0.624	
40	13C12-Aldrin	9.32e2	1.84e6	2.31	YES	0.15	1.4291	30.79	30.79	1.182	1.181	NO	2.296	0.328	1.95	
41	13C10-Chrysothene	5.11e4	1.84e6	1.63	NO	0.84	1.4291	33.35	33.34	1.280	1.280	NO	480.6	68.7	7.42	





#	Name	Resp	SAREA	RA	dy	Intf	u wtval	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc.	%Rec	DL	EMPC
22	22 cis-Hexachlor		4.06e4		NO	1.00	1.4291		39.94		1.000	YES			2.57	
23	23 Endosulfan II (beta)		0.47e3		NO	1.07	1.4291		39.67		1.000	YES			13.7	
24	24 2,4'-DDD		7.58e5		NO	1.07	1.4291		37.89		1.000	YES			2.48	
25	25 4,4'-DDT	5.18e3	2.58e5	1.12	YES	1.05	1.4291	39.02	39.00	1.000	1.000	NO	13.33		7.72	11.6
26	26 4,4'-DDD	0.83e3	5.11e5	1.38	NO	1.16	1.4291	39.15	39.14	1.000	1.000	NO	11.35		3.17	11.3
27	27 4,4'-DDT	1.33e4	1.74e5	1.45	NO	1.13	1.4291	40.20	40.23	1.000	1.001	NO	47.12		8.51	47.1
28	28 Endosulfan Sulfate		1.13e4		NO	1.04	1.4291		41.30		1.000	YES			11.5	
29	29 4,4'-Alkylthiochlor		5.83e5		NO	1.22	1.4291		43.24		1.000	YES			19.9	
30	30 Hexa		0.01e4		NO	1.03	1.4291		43.88		1.001	YES			1.93	
31	31 Endrin Aldehyde		0.41e2		NO	1.03	1.4291		40.80		1.000	YES			15.0	
32	32 Endrin Ketone		0.02e3		NO	0.93	1.4291		43.96		1.000	YES			28.3	
33	33 13C4-Hexachlorobutadi...	1.58e8	1.84e8	1.28	NO	0.16	1.4291	9.98	9.97	0.383	0.383	NO	3703	52.9	0.512	
34	34 13C6-Hexachlorobenze...	9.80e5	1.84e8	1.31	NO	0.87	1.4291	22.88	22.89	0.870	0.871	NO	429.4	61.4	0.0524	
35	35 13C8-Alpha-BHC	2.79e5	1.84e8	0.79	NO	0.26	1.4291	23.23	23.21	0.891	0.891	NO	410.4	58.6	1.09	
36	36 13C8-Lindane (gamma)	2.16e5	1.84e8	0.79	NO	0.19	1.4291	26.57	26.55	1.020	1.019	NO	423.5	60.5	2.51	
37	37 13C8-Beta-BHC	1.57e5	1.84e8	0.80	NO	0.14	1.4291	28.60	28.58	1.097	1.097	NO	418.0	59.5	3.30	
38	38 13C8-Delta-BHC	2.09e5	1.84e8	0.78	NO	0.17	1.4291	30.25	30.23	1.161	1.160	NO	472.8	67.6	2.80	
39	39 13C10-Heptachlor	1.89e5	1.84e8	1.34	NO	0.15	1.4291	28.71	28.71	1.102	1.102	NO	280.1	48.0	0.824	
40	40 13C12-Aldrin	0.32e2	1.84e8	2.31	YES	0.15	1.4291	30.79	30.79	1.182	1.181	NO	2.790	0.328	1.95	
41	41 13C16-Drychloridene	5.11e4	1.84e8	1.63	NO	0.04	1.4291	33.35	33.34	1.280	1.280	NO	480.0	68.7	7.42	



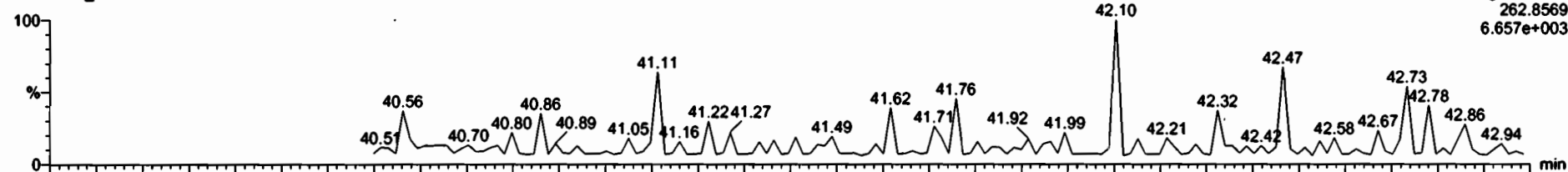
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

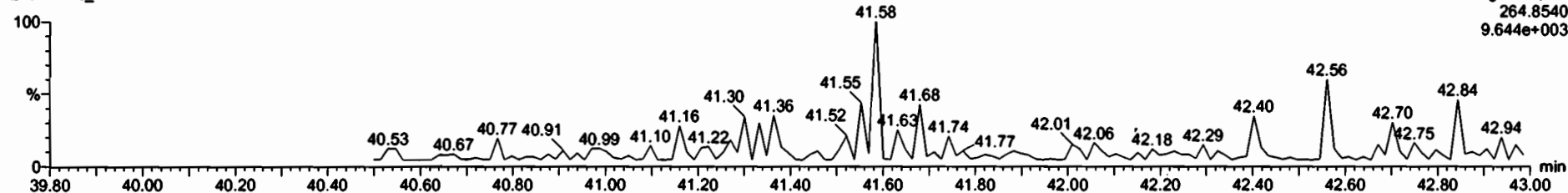
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Endosulfan Sulfate

210416H2\_11

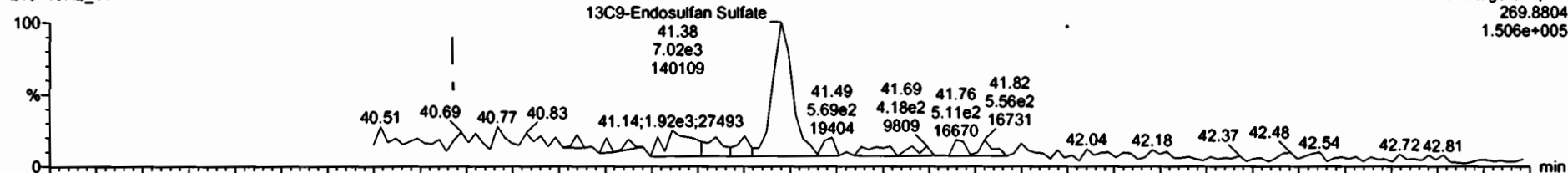


210416H2\_11

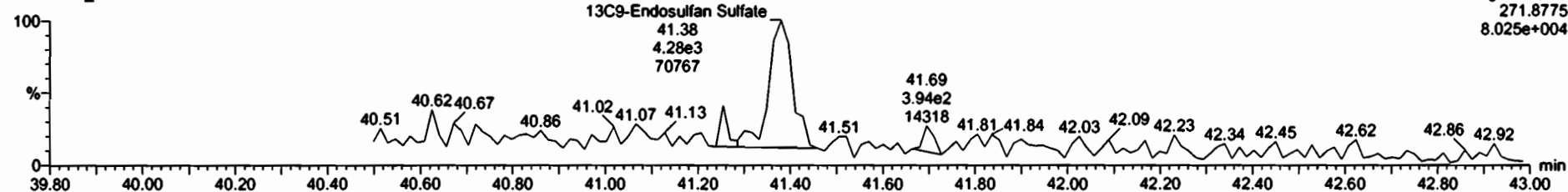


13C9-Endosulfan Sulfate

210416H2\_11



210416H2\_11



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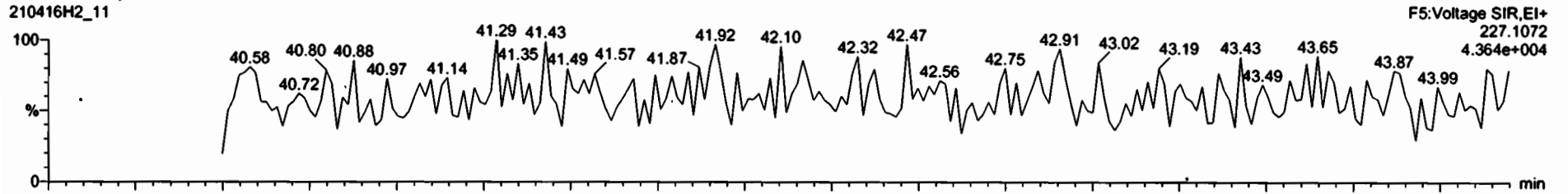
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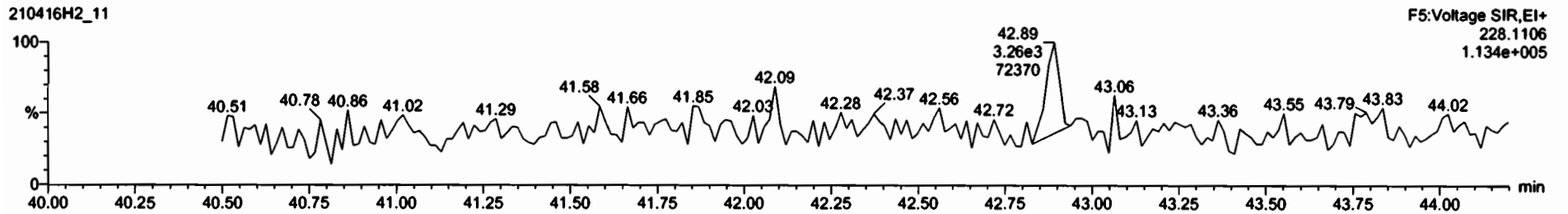
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4,4'-Methoxychlor

210416H2\_11

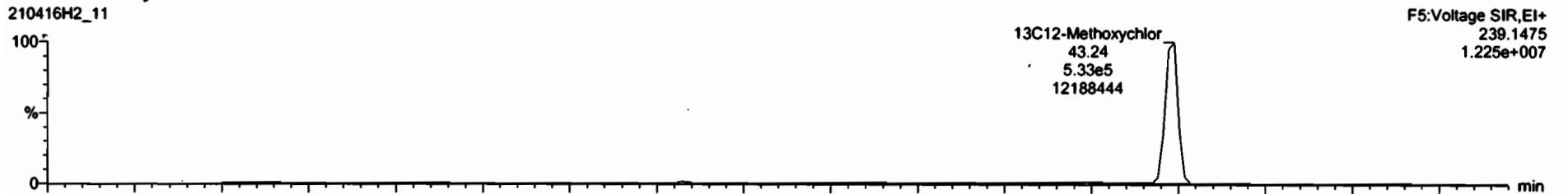


210416H2\_11

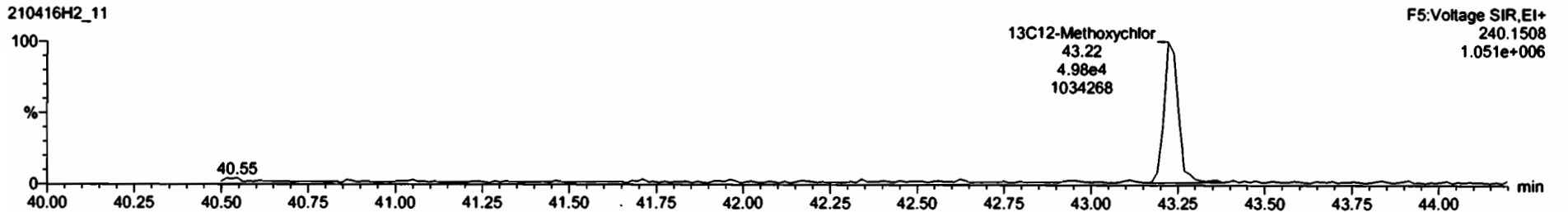


13C12-Methoxychlor

210416H2\_11



210416H2\_11



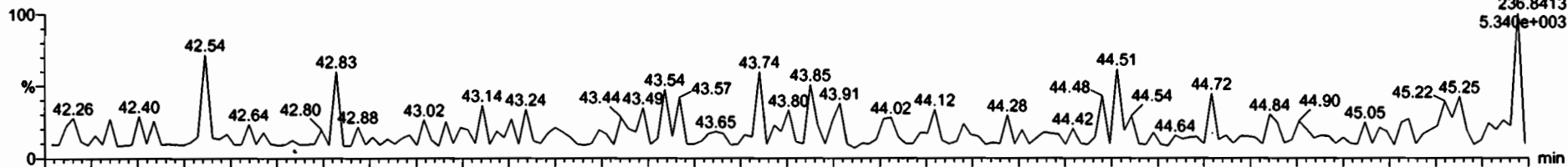
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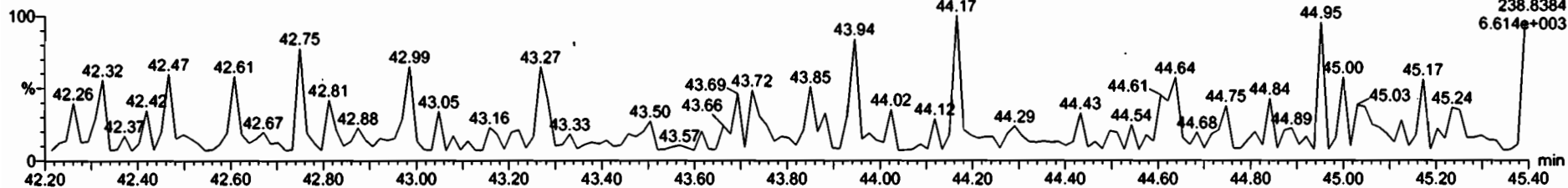
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Mirex

210416H2\_11

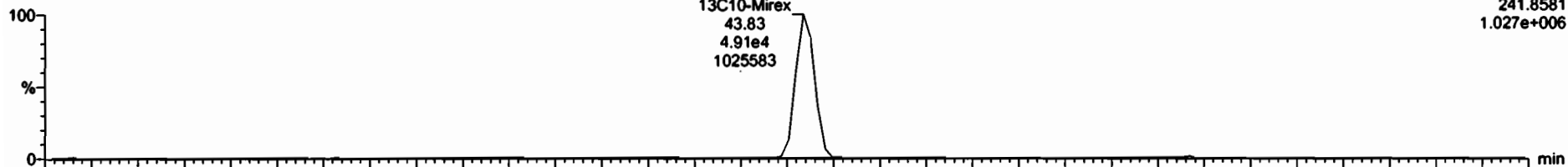


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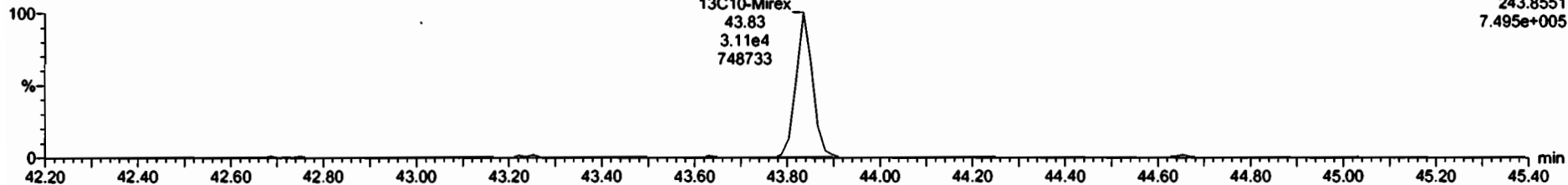


13C10-Mirex

210416H2\_11



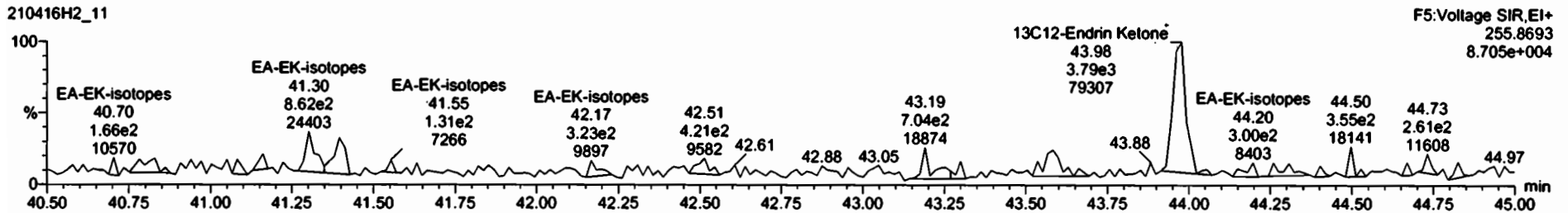
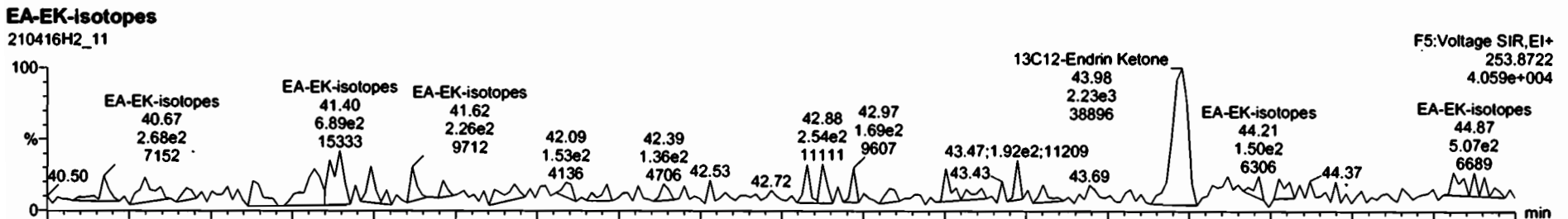
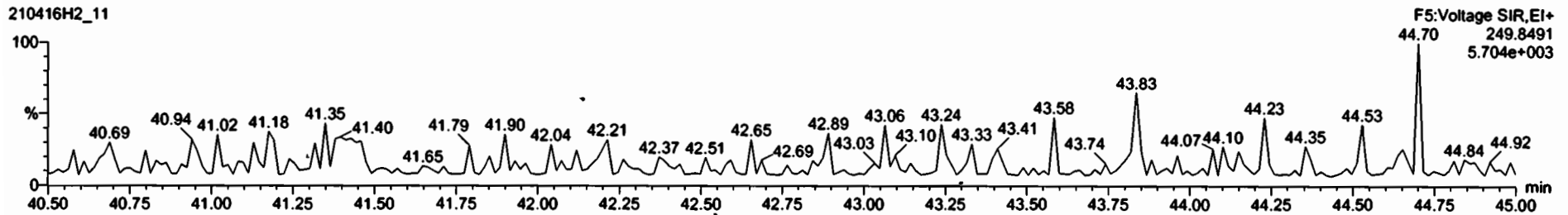
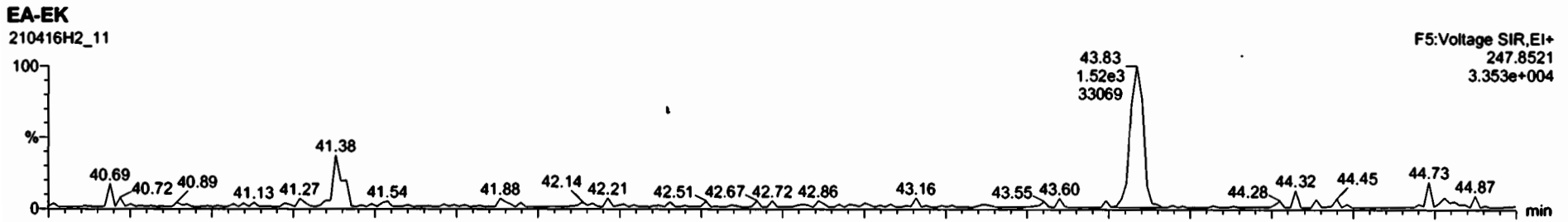
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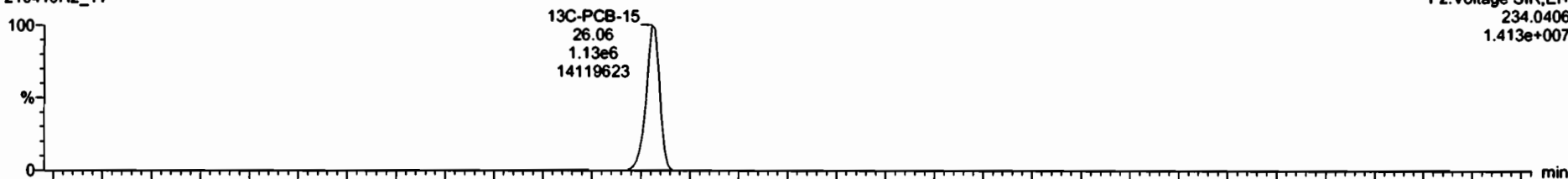
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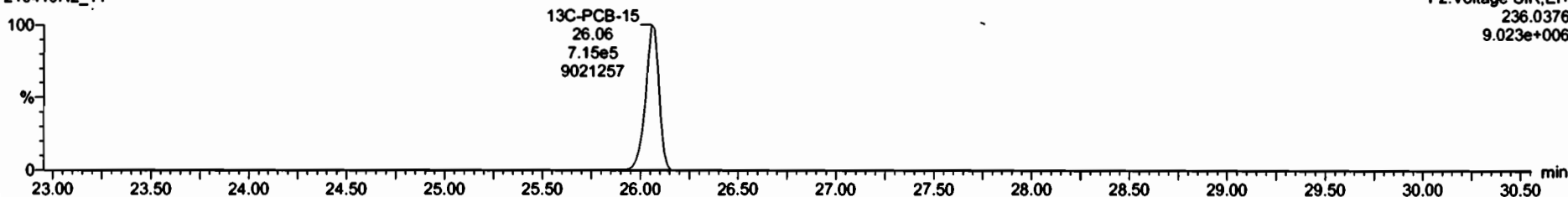
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**13C-PCB-15**

210416H2\_11

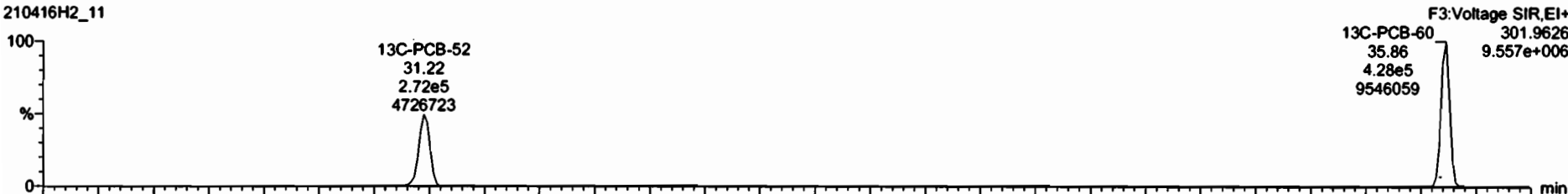


210416H2\_11

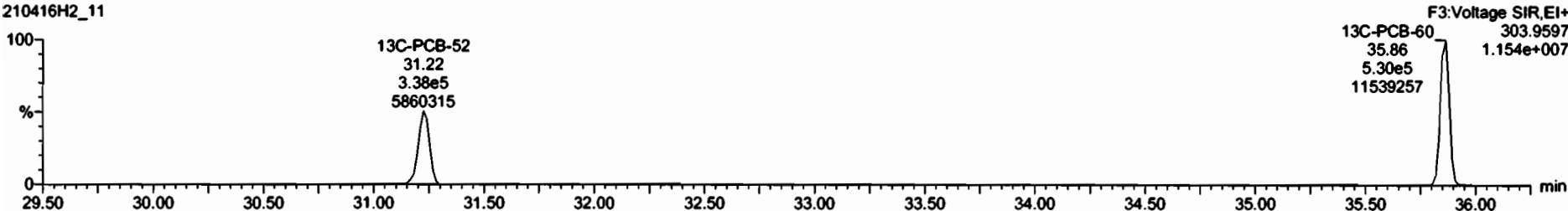


**13C-PCB-60**

210416H2\_11



210416H2\_11



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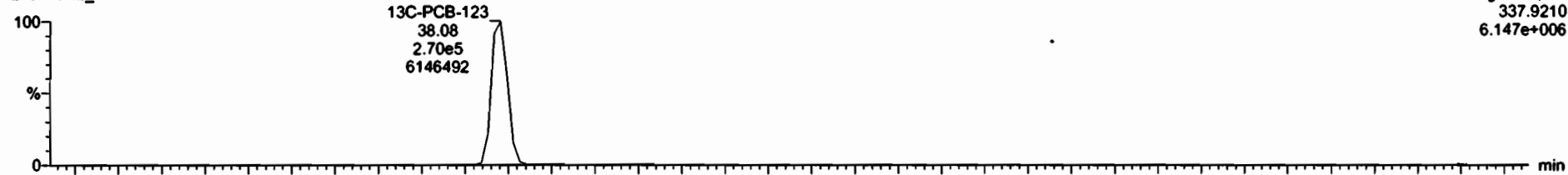
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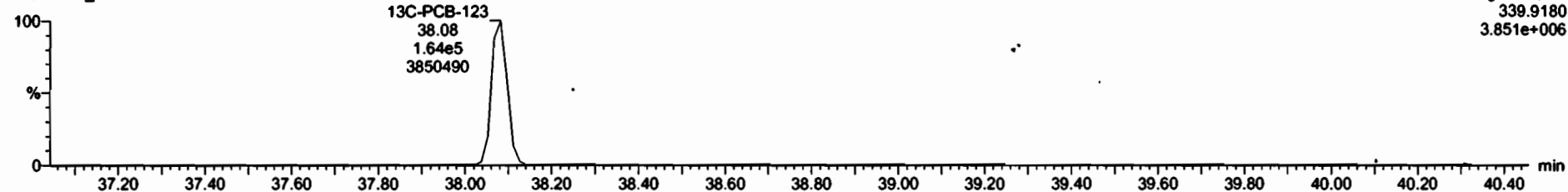
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**13C-PCB-123**

210416H2\_11

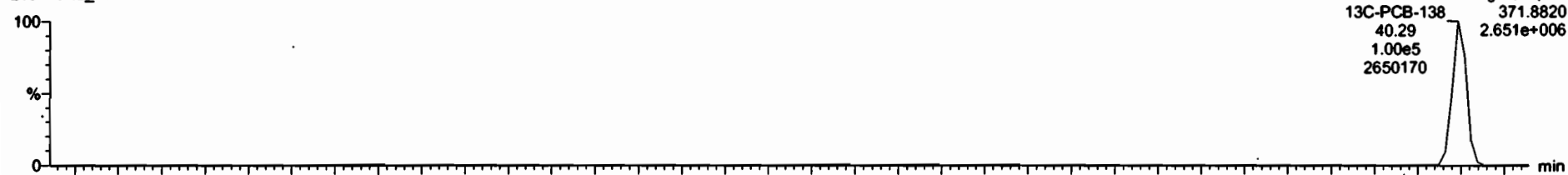


210416H2\_11

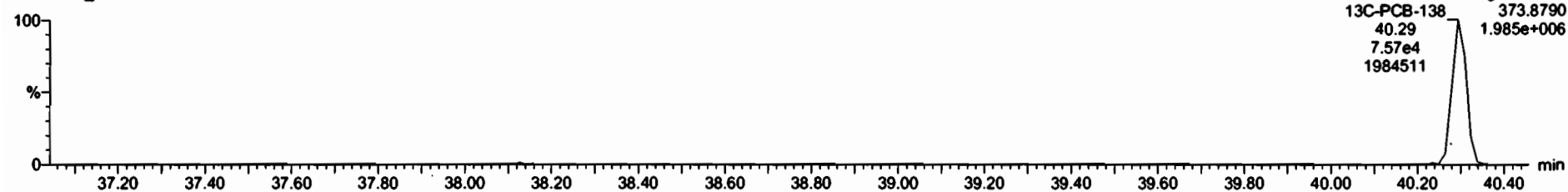


**13C-PCB-138**

210416H2\_11



210416H2\_11



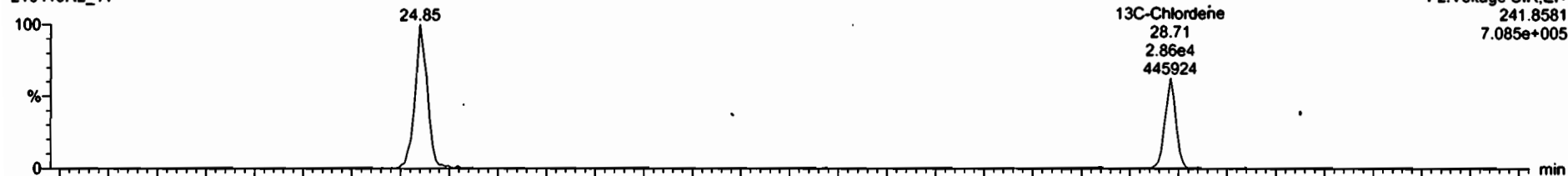
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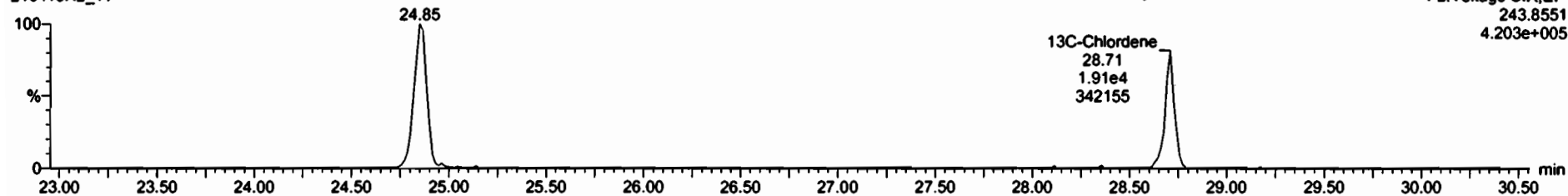
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13C-Chlordene

210416H2\_11

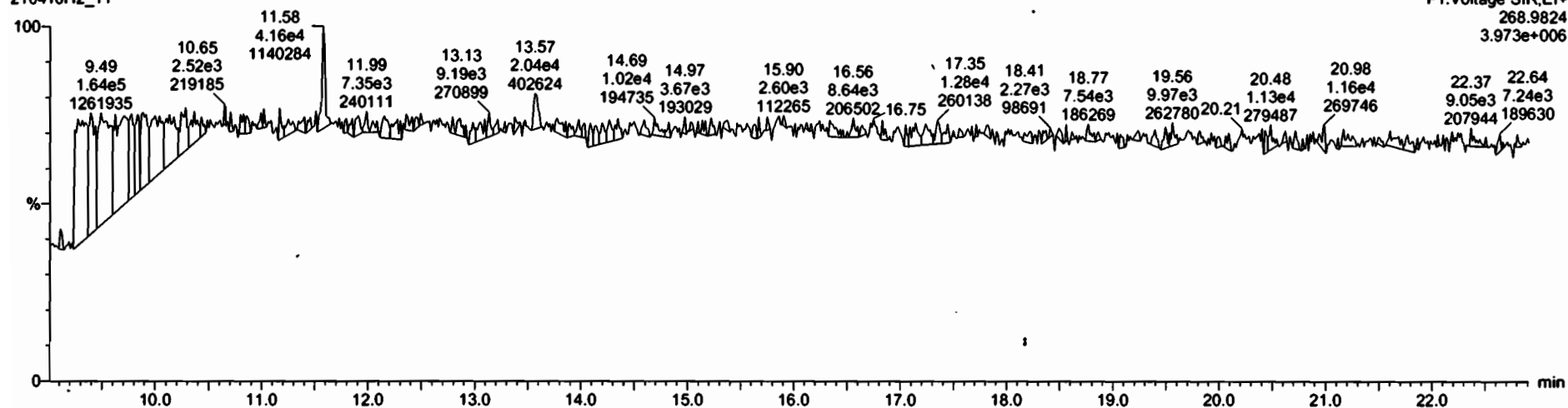


210416H2\_11



PFK1

210416H2\_11



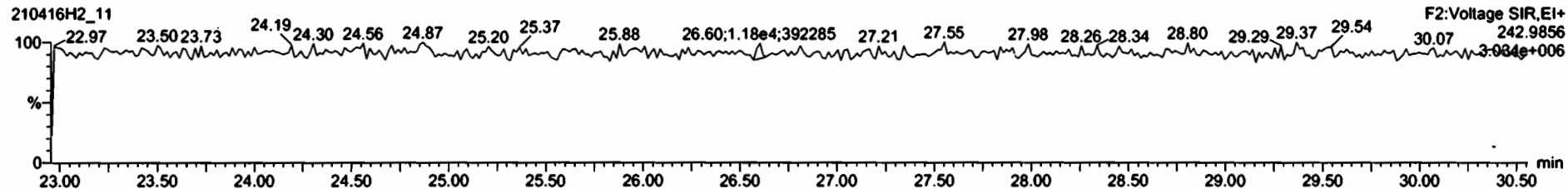


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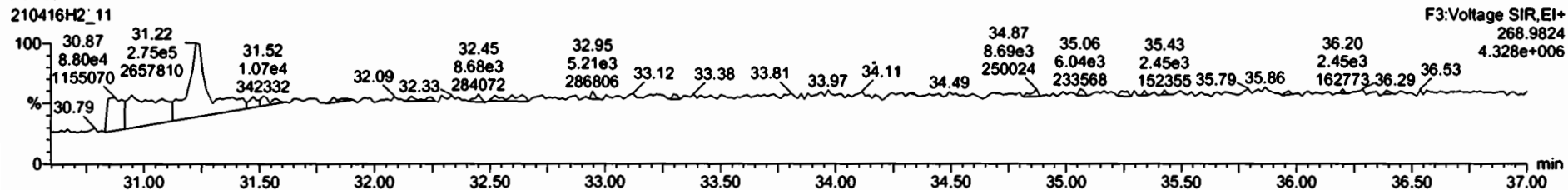
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Printed: Tuesday, April 20, 2021 15:32:36 Pacific Daylight Time

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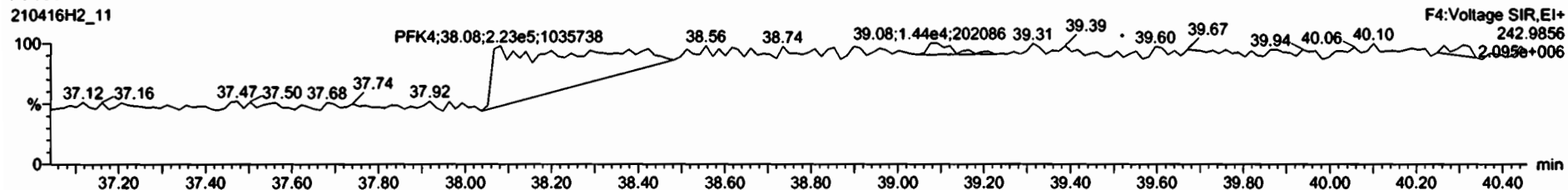
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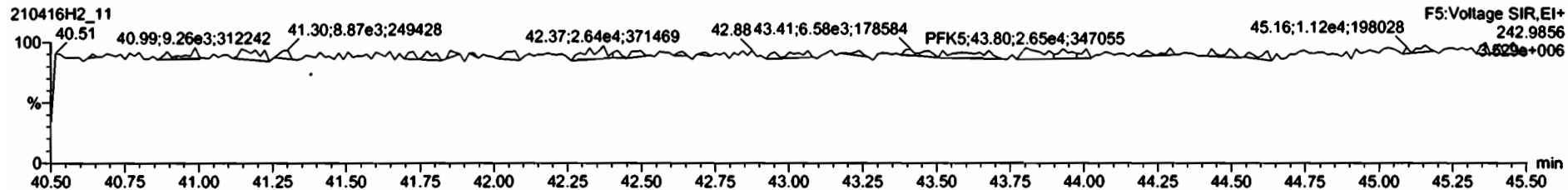
**PFK3**



**PFK4**



**PFK5**



Dataset: U:\vg10.PRO\Results\210506H1\210506H1\_4.qld

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Printed: Thursday, May 06, 2021 3:45:27 PM Pacific Daylight Time

*9F05/06/21*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

*CT 05/07/2021*

Name: 210506H1\_4, Date: 06-May-2021, Time: 12:20:52, ID: 2103219-06RE1@6X USMPDI-069RAB-20-36.3-210312 1.79,

Description: USMPDI-069RAB-20-36.3-210312, Task: ST210505H1\_1

#	Name	Resp	IS Area	RA	n/y	RRE	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc	%Rec	DU	EMPC
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2	40 13C12-Aldrin	3.14e3	2.76e5	1.54	NO	0.152	1.201	30.80	1.184	1.181	NO	62.192	7.47	6.36	
3	62 13C-PCB-15	2.76e5	2.76e5	1.60	NO	1.00	1.201	26.01	1.000	1.000	NO	832.66	100	2.04	

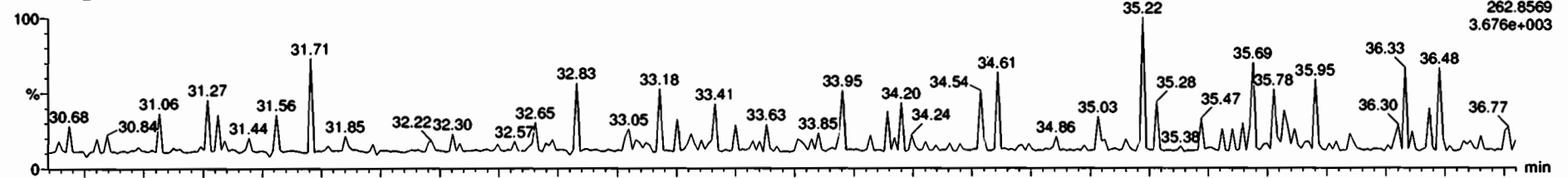
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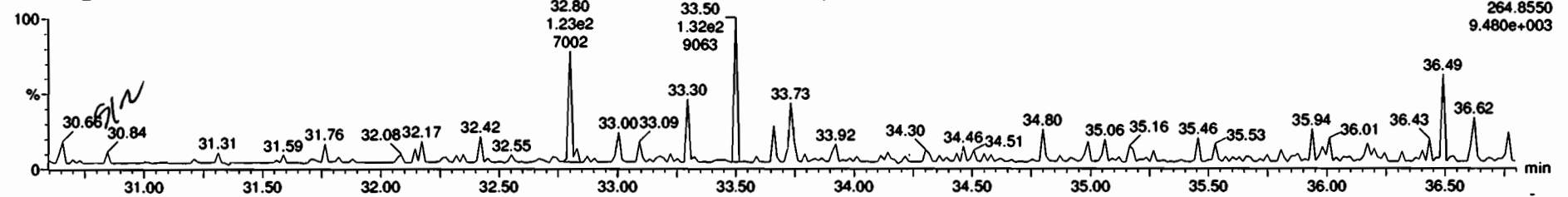
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**Aldrin-EI**

210506H1\_4

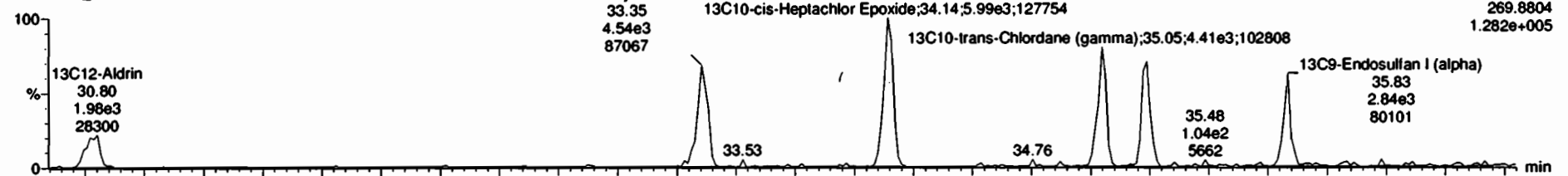


210506H1\_4

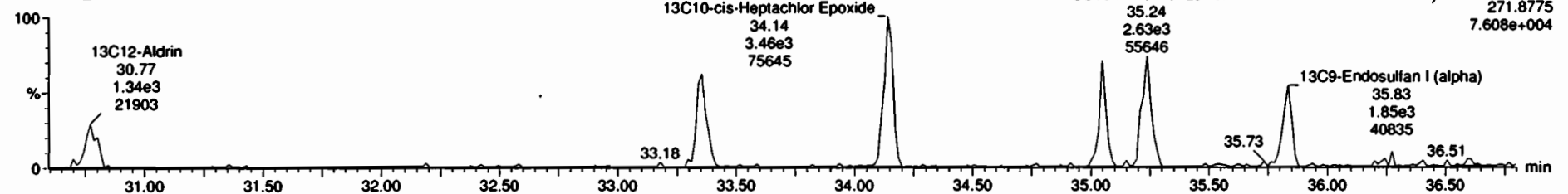


**Aldrin-EI-isotopes**

210506H1\_4

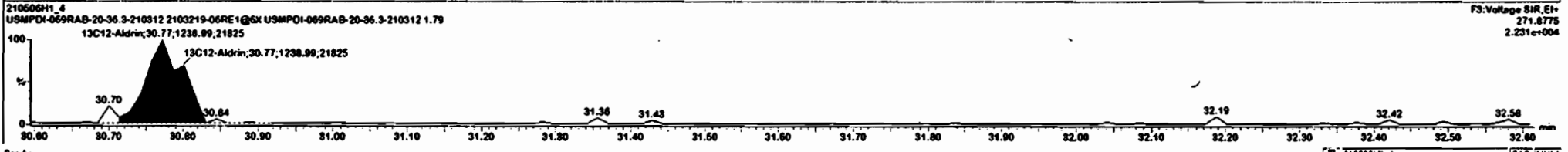
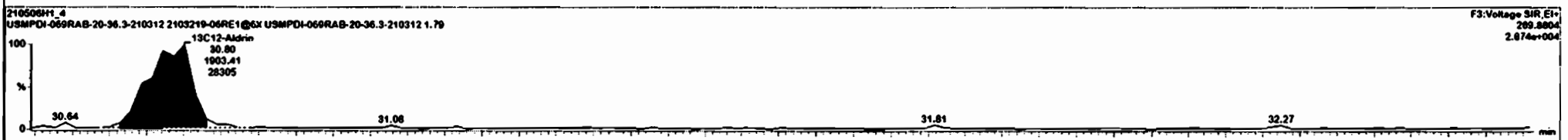
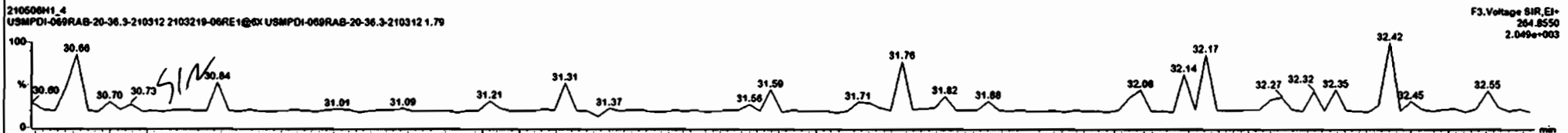
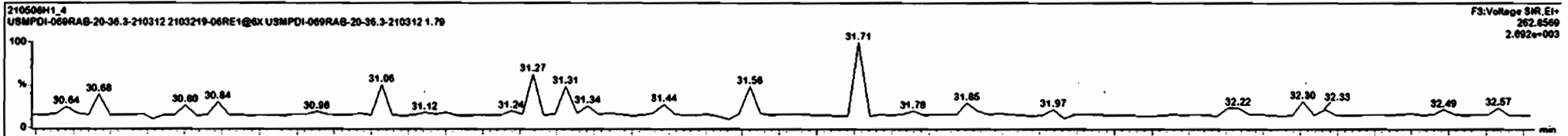


210506H1\_4



210506H1\_4 - 2103219-06RE1@6X USMPDI-069RAB-20-36.3-210312 1.79 - USMPDI-069RAB-20-36.3-210312

#	Name	Area	IS AREA	RA	n/y	RAF	uvvol	RT	Pred RT	RRT	Pred RRT	Correct RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.72e3	2.97e5	0.50	YES	0.22	1.2010	10.00	10.00	1.001	1.202	HO	2296		23.4	1380
2	Hexachlorobenzene	6.93e2	1.70e5	1.57	YES	0.98	1.2010	22.65	22.68	0.999	1.200	HO	2.445		0.215	3.01
3	Alpha-BHC		5.10e4		NO	0.82	1.2010		23.23		1.001	YES			4.18	
4	Lindane (gamma-BHC)		3.51e4		NO	0.85	1.2010		26.53		1.000	YES			6.84	
5	Beta-BHC		2.89e4		NO	0.98	1.2010		26.61		1.001	YES			6.65	
6	Delta-BHC		3.16e4		NO	0.91	1.2010		30.27		1.001	YES			5.02	
7	Heptachlor		1.46e4		NO	1.10	1.2010		26.70		1.001	YES			3.50	
8	delta-ODHU	3.01e2	3.16e4	1.18	YES	1.33	1.2010	30.25	30.17	1.001	0.996	HO	5.921		8.73	4.23
9	Aldrin		3.14e3		NO	1.12	1.2010		30.83		1.001	YES			33.8	
10	Oxychlorane		6.89e3		NO	1.11	1.2010		33.39		1.001	YES			12.1	
11	gamma-Heptachlor Epoxide		9.45e3		NO	1.13	1.2010		34.18		1.001	YES			7.77	



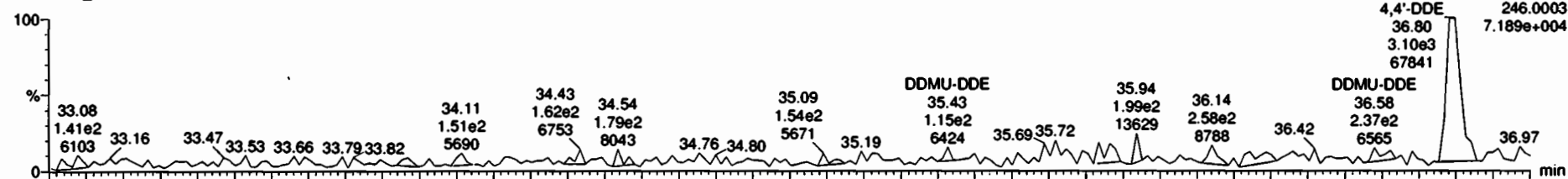
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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

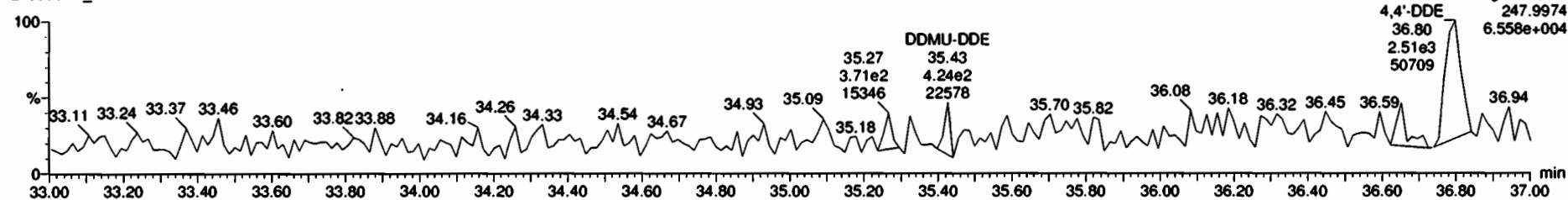
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DDMU-DDE

210506H1\_4



210506H1\_4

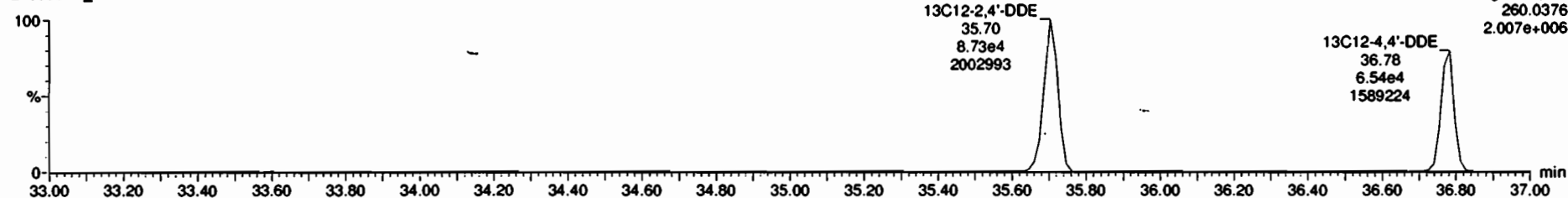


DDE-isotopes

210506H1\_4



210506H1\_4



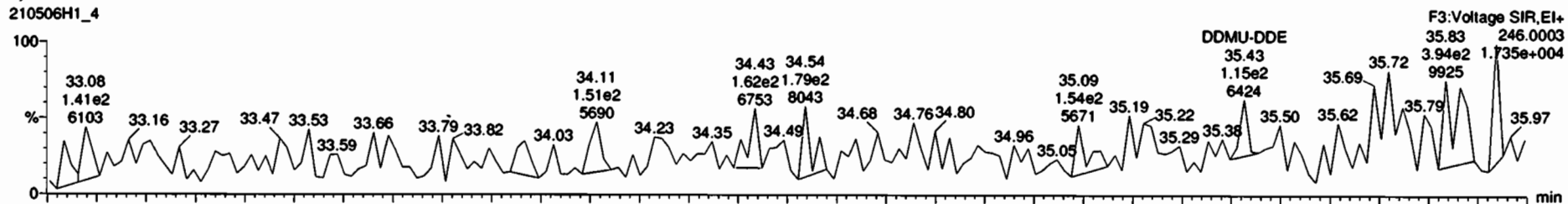
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

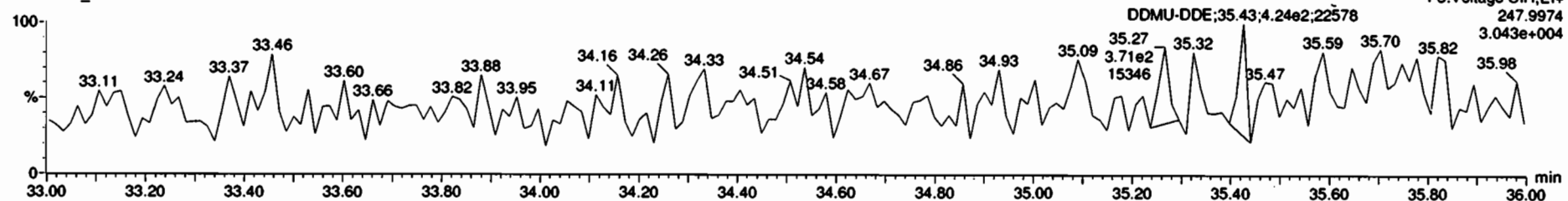
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2,4'-DDE

210506H1\_4

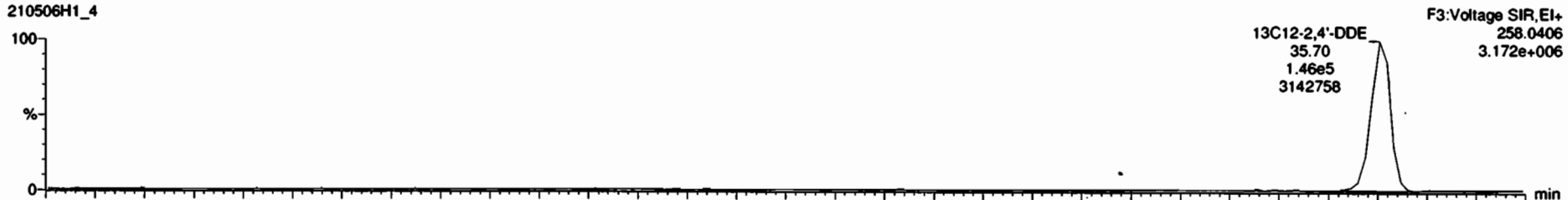


210506H1\_4

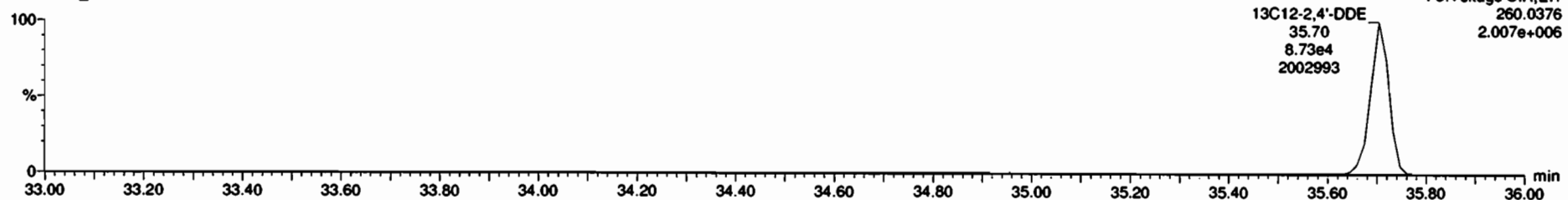


13C12-2,4'-DDE

210506H1\_4



210506H1\_4

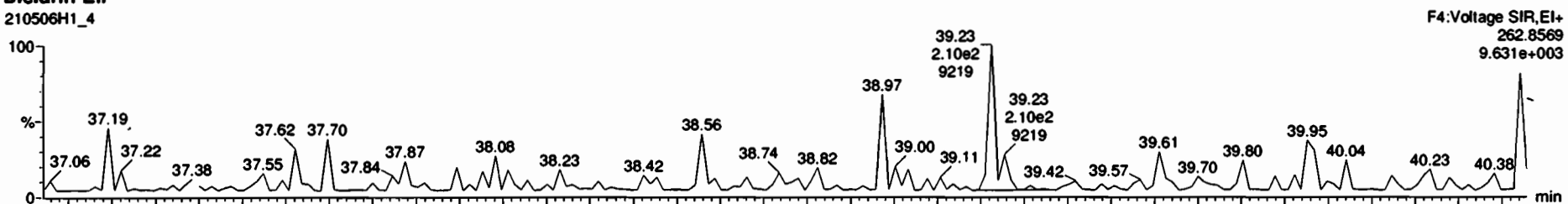


Dataset: Untitled

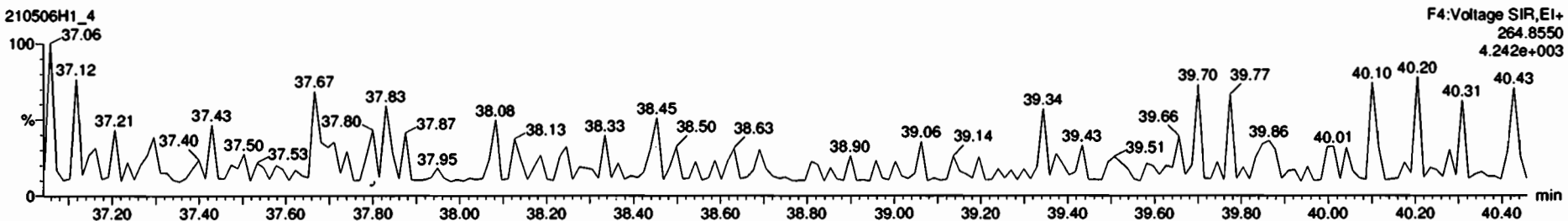
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_4, Date: 06-May-2021, Time: 12:20:52, ID: 2103219-06RE1@6X USMPDI-069RAB-20-36.3-210312 1.79, Description: USMPDI-069RAB-20-36.3-210312

**Dieldrin-EII**  
210506H1\_4

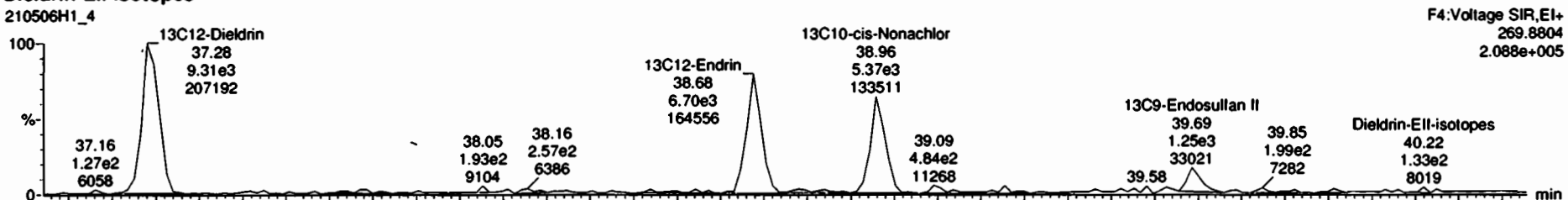


210506H1\_4

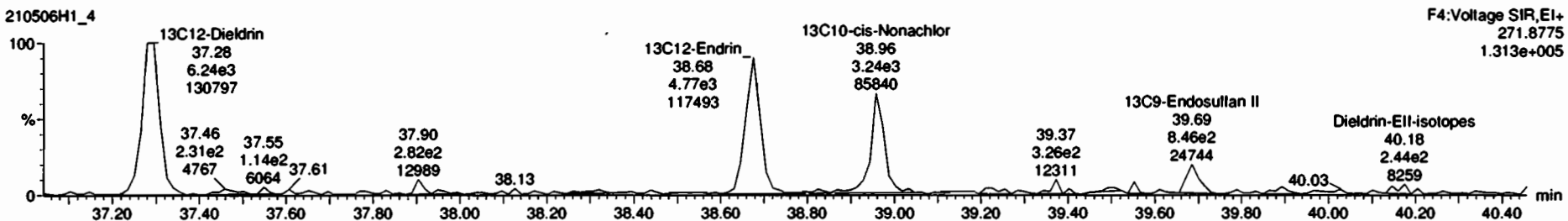


**Dieldrin-EII-isotopes**

210506H1\_4



210506H1\_4



Dataset: Untitled

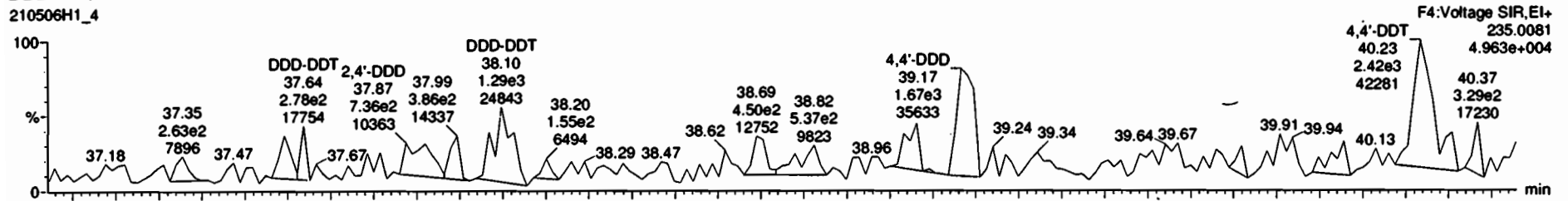
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

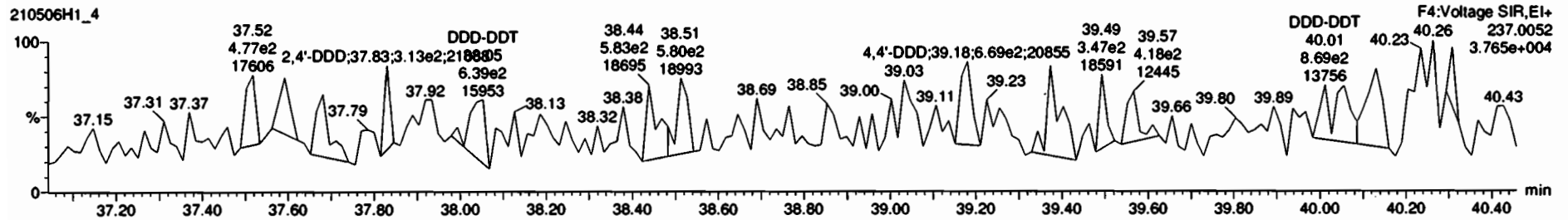
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DDD-DDT

210506H1\_4

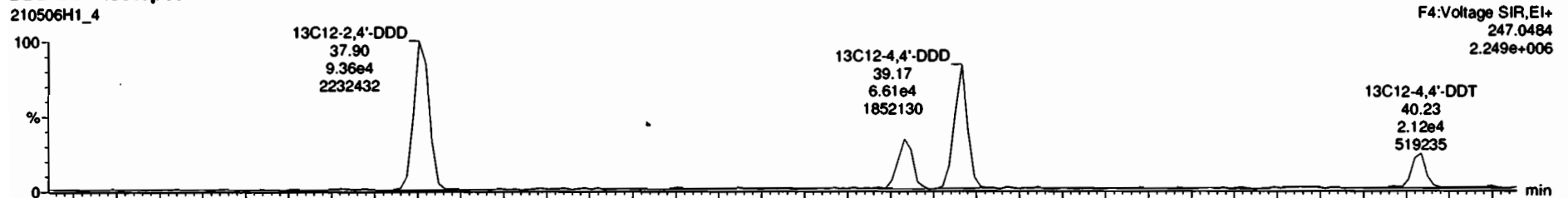


210506H1\_4

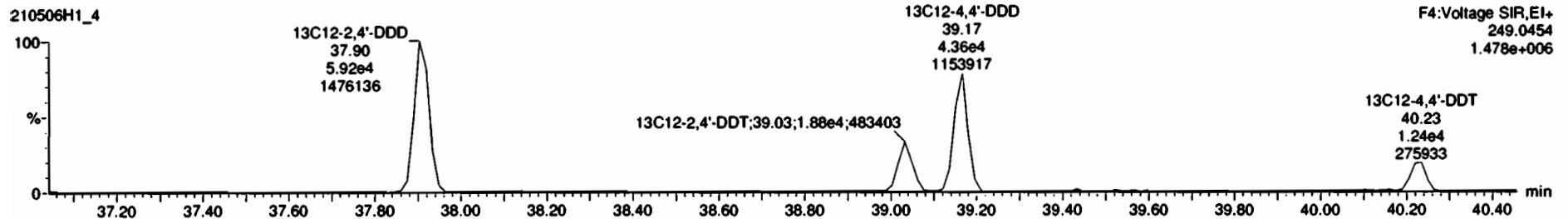


DDD-DDT-isotopes

210506H1\_4



210506H1\_4





Dataset: Untitled

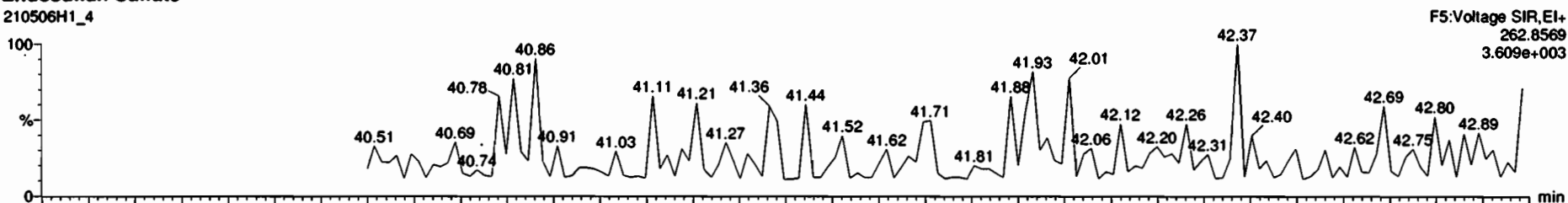
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

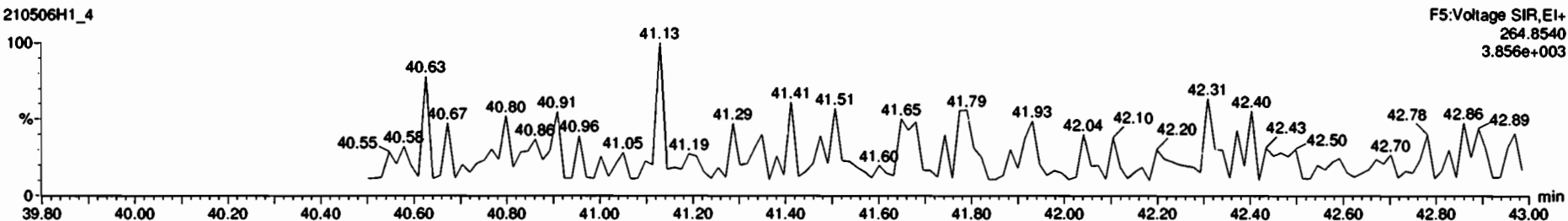
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Endosulfan Sulfate

210506H1\_4

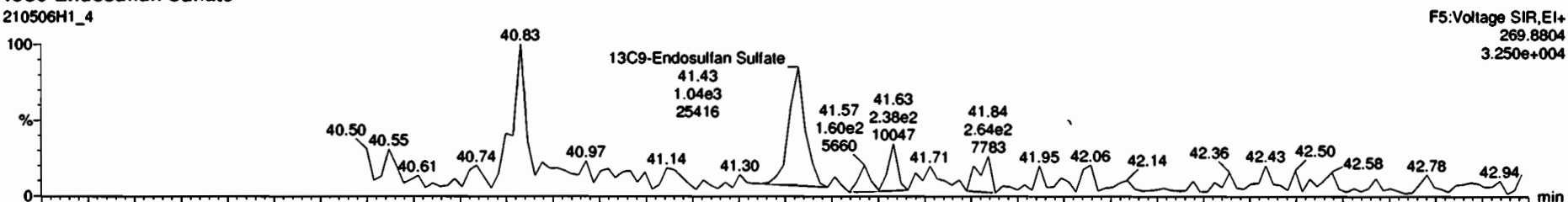


210506H1\_4

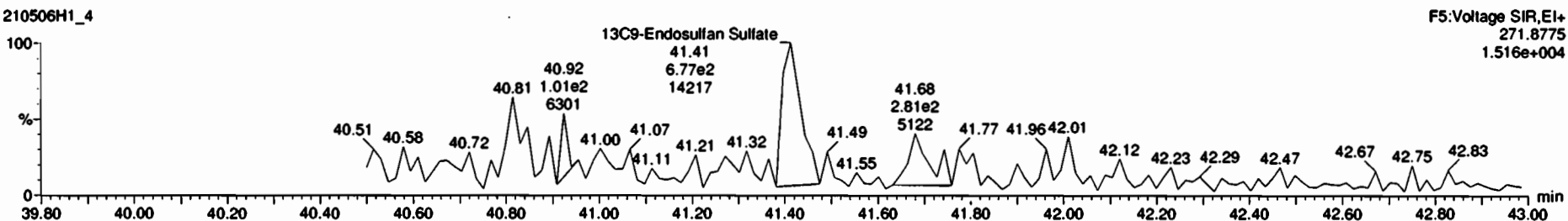


13C9-Endosulfan Sulfate

210506H1\_4



210506H1\_4



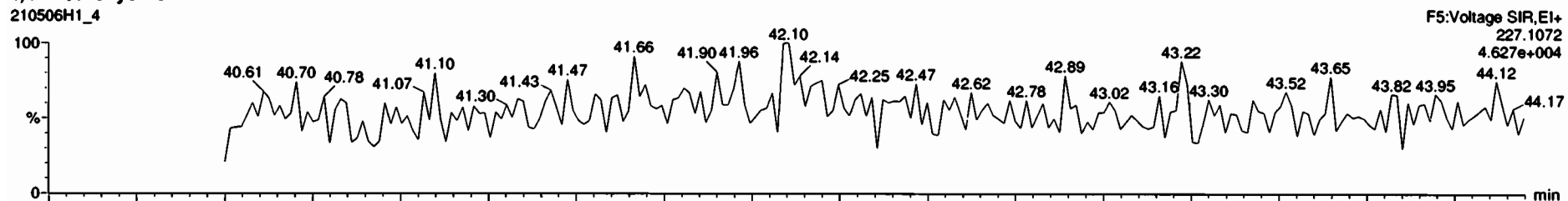
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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

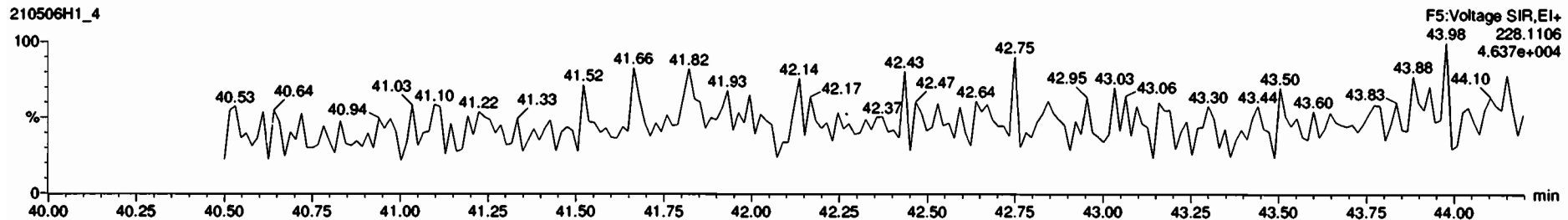
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4,4'-Methoxychlor

210506H1\_4

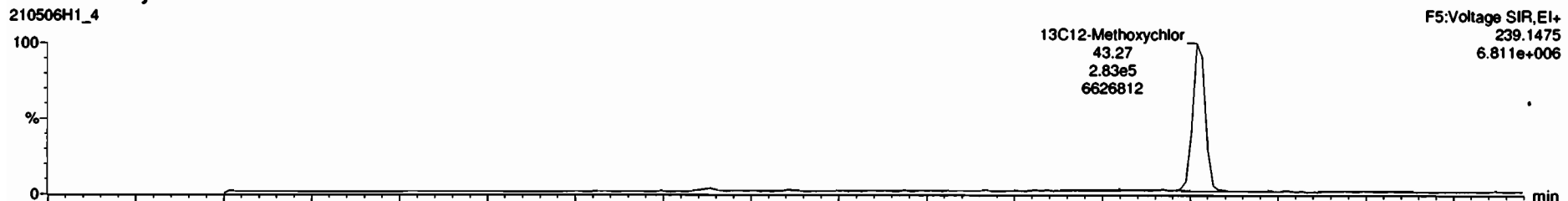


210506H1\_4

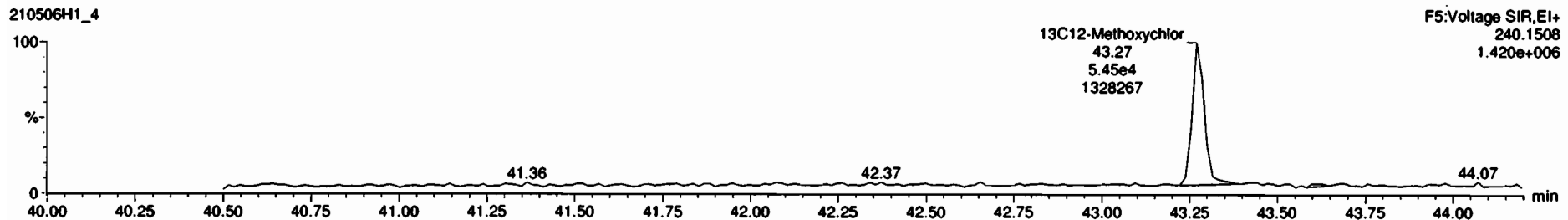


13C12-Methoxychlor

210506H1\_4



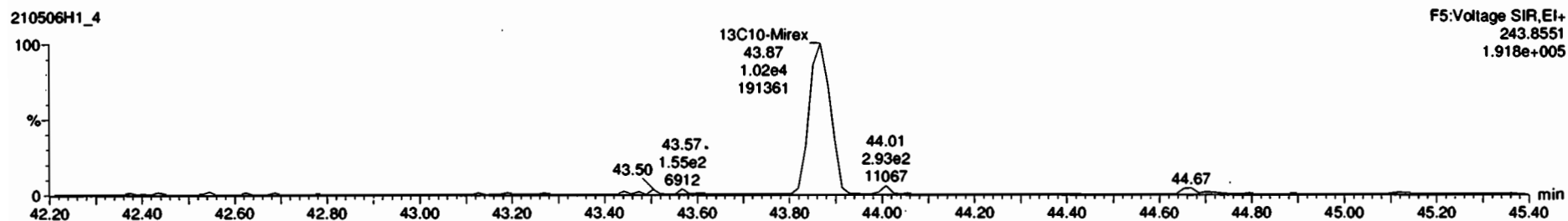
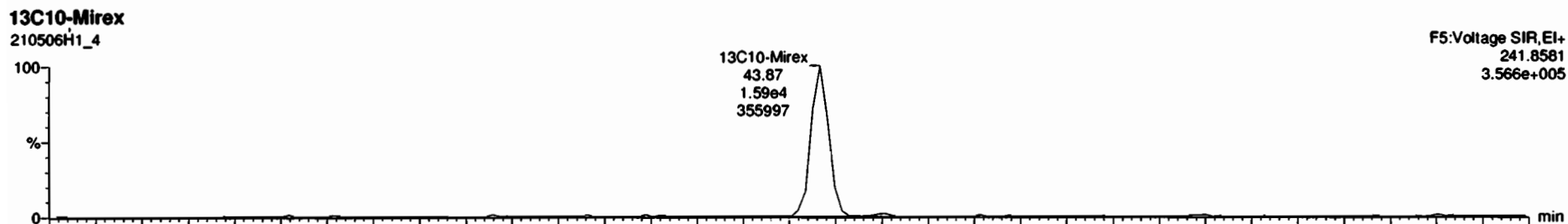
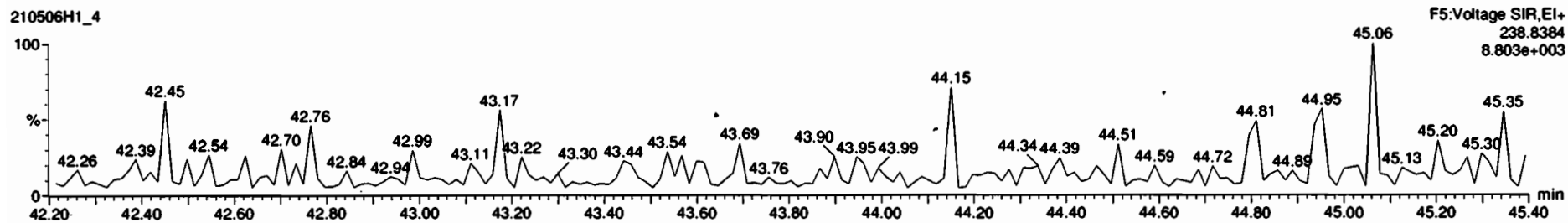
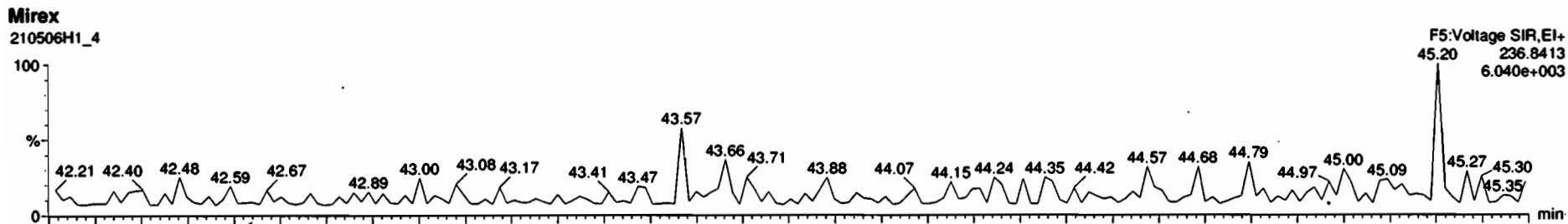
210506H1\_4



Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_4, Date: 06-May-2021, Time: 12:20:52, ID: 2103219-06RE1@6X USMPDI-069RAB-20-36.3-210312 1.79, Description: USMPDI-069RAB-20-36.3-210312

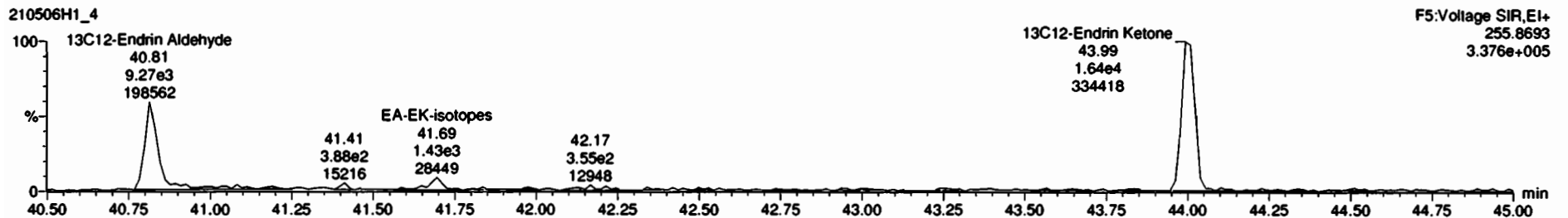
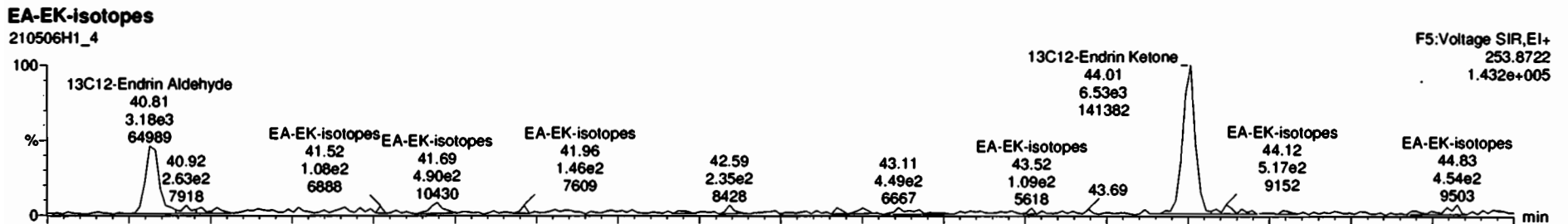
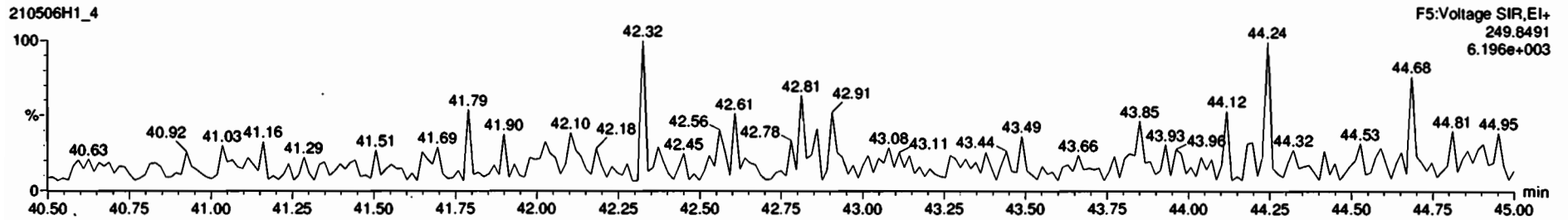
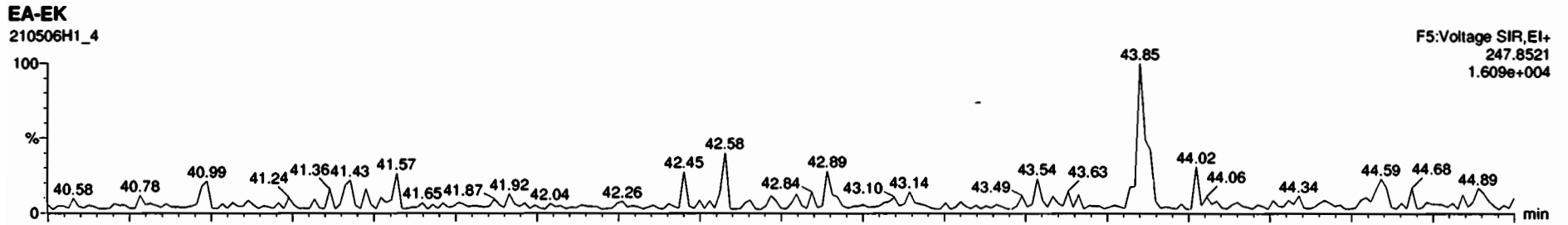


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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

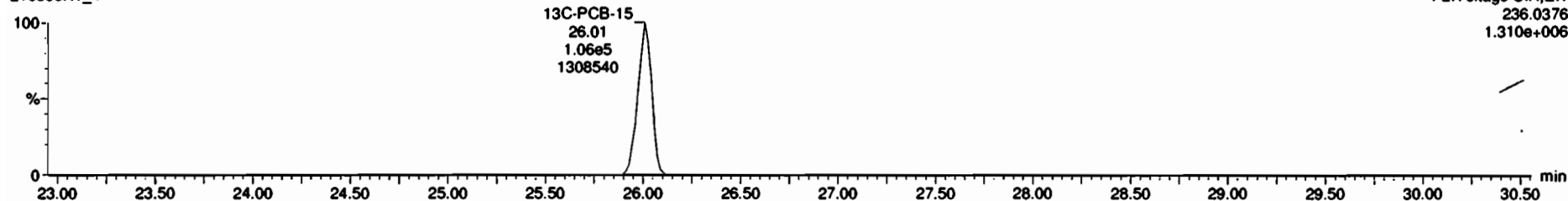
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13C-PCB-15

210506H1\_4



210506H1\_4

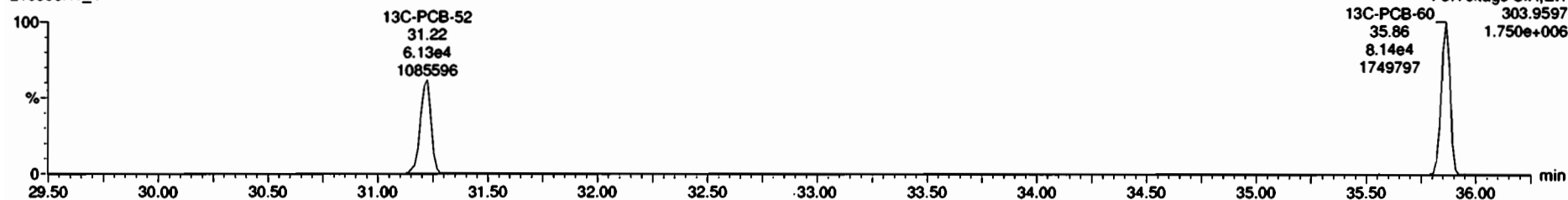


13C-PCB-60

210506H1\_4



210506H1\_4



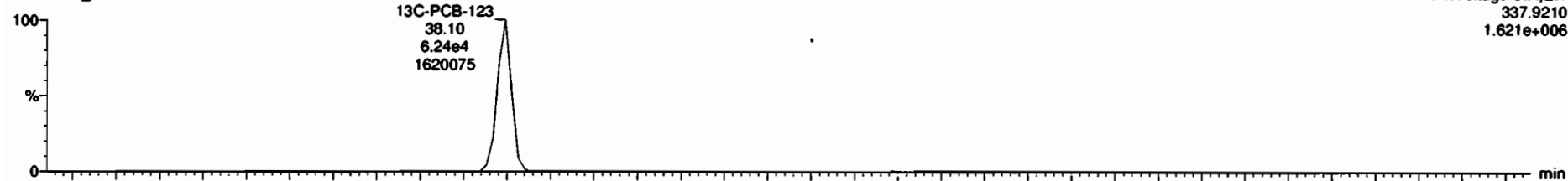
Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

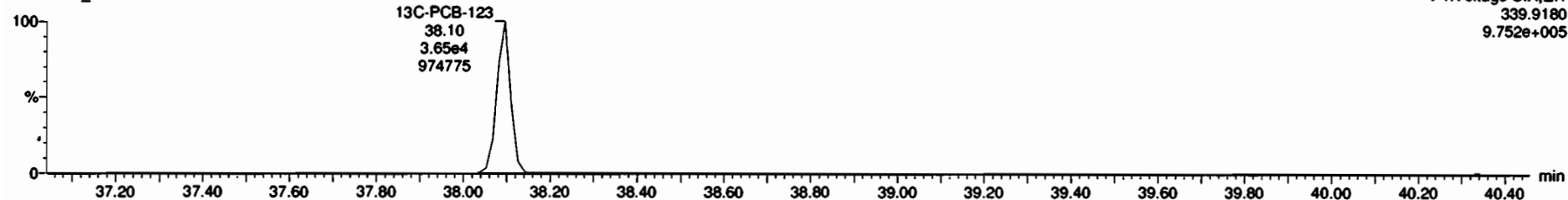
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13C-PCB-123

210506H1\_4



210506H1\_4

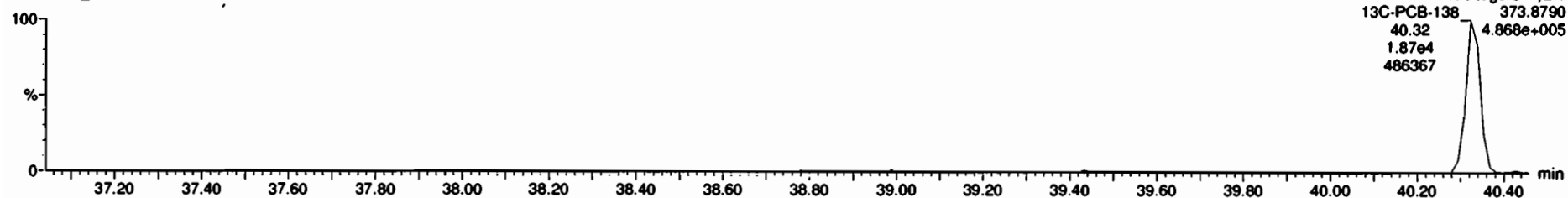


13C-PCB-138

210506H1\_4



210506H1\_4



Dataset: Untitled

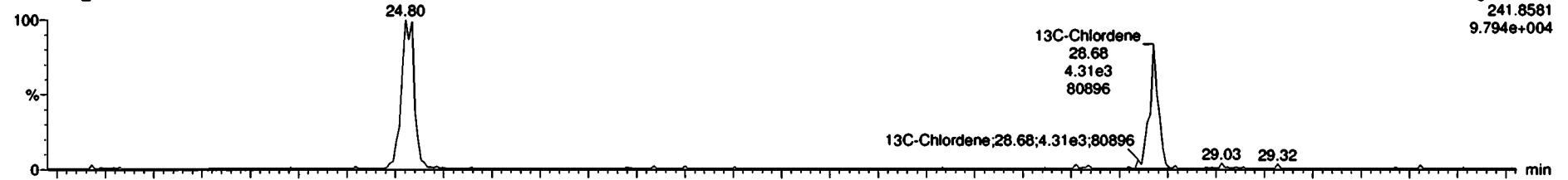
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

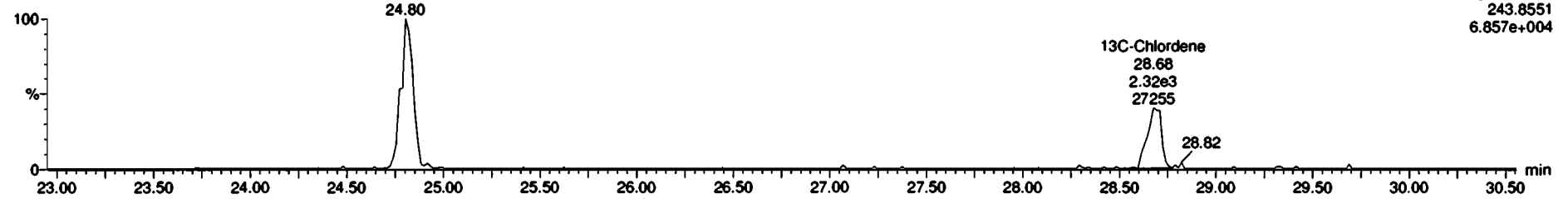
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13C-Chlordene

210506H1\_4

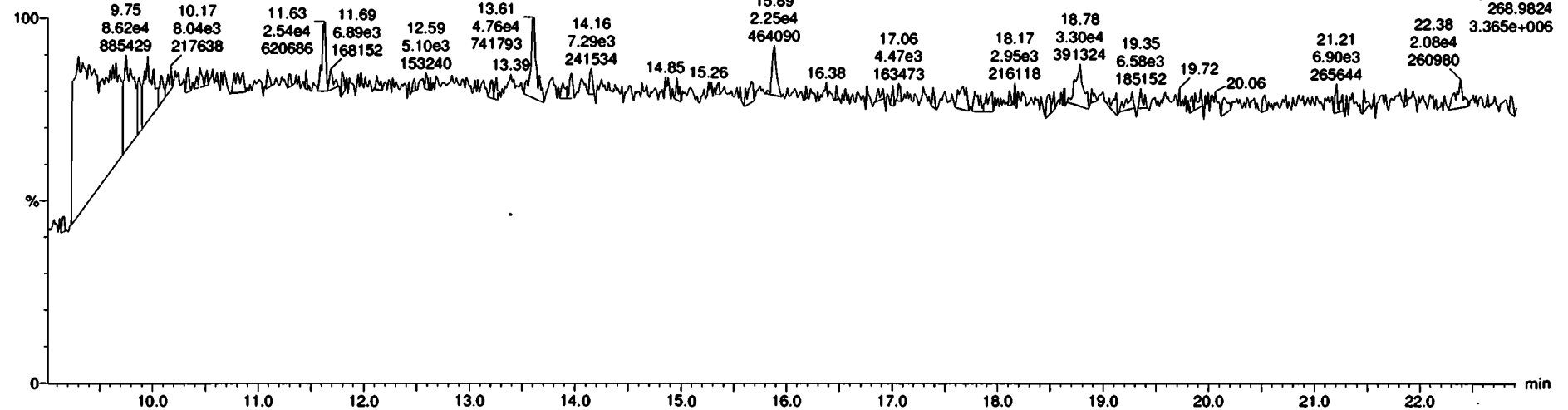


210506H1\_4



PFK1

210506H1\_4



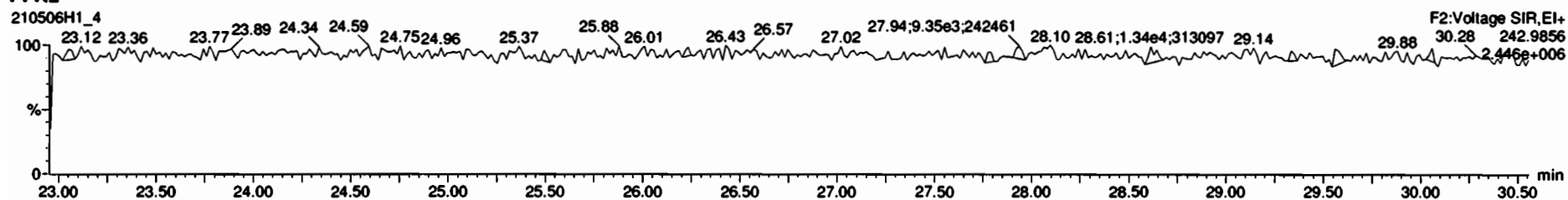
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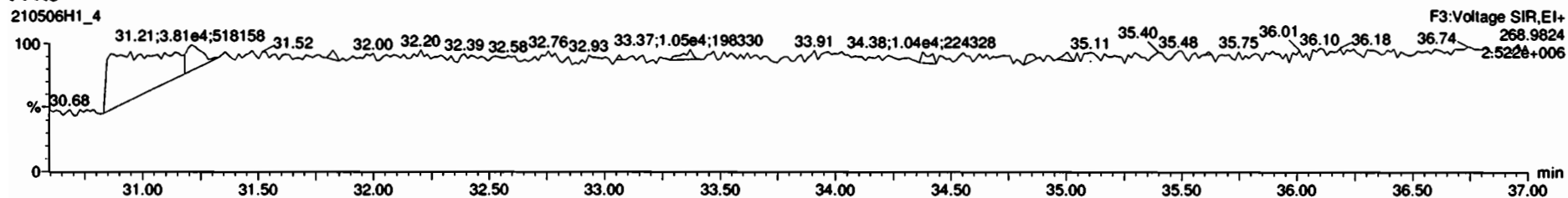
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

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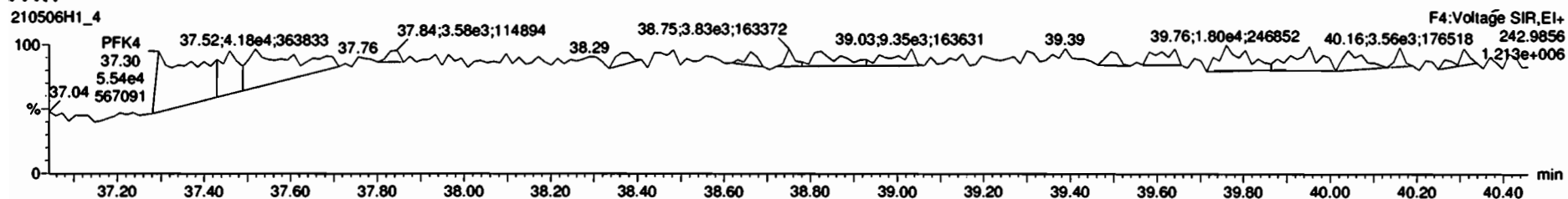
PFK2



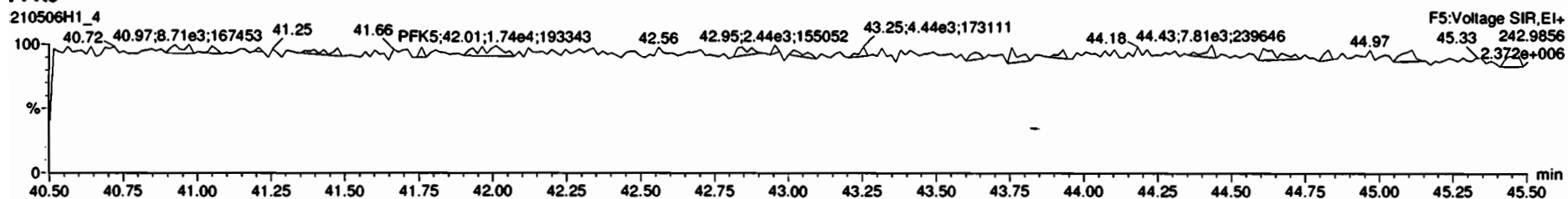
PFK3



PFK4



PFK5





**CONTINUING CALIBRATION**

# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST210409D1-1

**Reviewed By:** HM 04/12/21

*Initials & Date*

**End Calibration ID:** NA

	<u>Beg.</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> <b>(ST-Year-Month-Day-VG ID)</b>	<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>HZ</u>	<u>↓</u>
<b><u>Run Log:</u></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>HZ</u>	<u>NA</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:**

	<u>Beg.</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 type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>First and last eluters present?</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> <b>(ST-Year-Month-Day-VG ID)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Forms signed and dated?</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b><u>Run Log:</u></b>		
- Correct instrument listed?	<input type="checkbox"/>	<input type="checkbox"/>
- Samples within 12 hour clock?	<input type="checkbox"/>	<input type="checkbox"/>
- Bottle position verified?	<input type="checkbox"/>	<input type="checkbox"/>

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-1.qld

Last Altered: Saturday, April 10, 2021 09:14:34 Pacific Daylight Time  
Printed: Saturday, April 10, 2021 12:26:07 Pacific Daylight Time

*Hz 4.10.2021*  
*HN 04/12/21*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_1, Date: 09-Apr-2021, Time: 08:43:26, ID: ST210409D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.12e4	1.09e5	0.78	NO	0.998	27.08	27.08	NO	1.001	1.001	10.224	102	NO
2	2 1,2,3,7,8-PeCDD	3.73e4	7.73e4	0.60	NO	0.961	31.23	31.23	NO	1.001	1.001	50.158	100	NO
3	3 1,2,3,4,7,8-HxCDD	3.60e4	6.08e4	1.32	NO	1.18	34.69	34.69	NO	1.000	1.000	50.058	100	NO
4	4 1,2,3,6,7,8-HxCDD	3.68e4	7.10e4	1.25	NO	1.04	34.82	34.82	NO	1.000	1.000	49.811	99.6	NO
5	5 1,2,3,7,8,9-HxCDD	3.58e4	6.84e4	1.31	NO	1.06	35.13	35.11	NO	1.001	1.000	49.346	98.7	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.10e4	5.61e4	1.03	NO	1.06	38.53	38.54	NO	1.000	1.001	52.110	104	NO
7	7 OCDD	4.41e4	8.78e4	0.87	NO	0.977	42.34	42.35	NO	1.000	1.000	102.85	103	NO
8	8 2,3,7,8-TCDF	1.51e4	1.61e5	0.78	NO	0.989	26.50	26.49	NO	1.001	1.001	9.4304	94.3	NO
9	9 1,2,3,7,8-PeCDF	6.38e4	1.25e5	1.64	NO	1.02	30.10	30.08	NO	1.001	1.000	49.747	99.5	NO
10	10 2,3,4,7,8-PeCDF	6.87e4	1.16e5	1.61	NO	1.17	31.06	31.05	NO	1.001	1.001	50.365	101	NO
11	11 1,2,3,4,7,8-HxCDF	5.63e4	9.85e4	1.29	NO	1.14	33.69	33.69	NO	1.001	1.001	50.262	101	NO
12	12 1,2,3,6,7,8-HxCDF	6.03e4	1.13e5	1.25	NO	1.04	33.83	33.84	NO	1.000	1.001	51.241	102	NO
13	13 2,3,4,6,7,8-HxCDF	5.72e4	9.78e4	1.25	NO	1.13	34.55	34.56	NO	1.000	1.001	51.878	104	NO
14	14 1,2,3,7,8,9-HxCDF	5.07e4	8.87e4	1.27	NO	1.07	35.67	35.69	NO	1.000	1.000	53.154	106	NO
15	15 1,2,3,4,6,7,8-HpCDF	4.90e4	8.57e4	1.04	NO	1.11	37.30	37.28	NO	1.001	1.001	51.375	103	NO
16	16 1,2,3,4,7,8,9-HpCDF	4.05e4	6.05e4	1.03	NO	1.32	39.27	39.29	NO	1.000	1.001	50.951	102	NO
17	17 OCDF	6.21e4	1.32e5	0.90	NO	0.931	42.68	42.69	NO	1.000	1.000	101.27	101	NO
18	18 13C-2,3,7,8-TCDD	1.09e5	9.64e4	0.82	NO	1.20	27.04	27.06	NO	1.024	1.025	94.314	94.3	NO
19	19 13C-1,2,3,7,8-PeCDD	7.73e4	9.64e4	0.63	NO	0.864	31.19	31.21	NO	1.181	1.182	92.878	92.9	NO
20	20 13C-1,2,3,4,7,8-HxCDD	6.08e4	1.07e5	1.28	NO	0.600	34.65	34.67	NO	1.014	1.015	94.413	94.4	NO
21	21 13C-1,2,3,6,7,8-HxCDD	7.10e4	1.07e5	1.27	NO	0.674	34.77	34.81	NO	1.018	1.019	98.139	98.1	NO
22	22 13C-1,2,3,7,8,9-HxCDD	6.84e4	1.07e5	1.26	NO	0.679	35.08	35.10	NO	1.027	1.028	93.982	94.0	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.61e4	1.07e5	1.07	NO	0.558	38.43	38.52	NO	1.125	1.128	93.725	93.7	NO
24	24 13C-OCDD	8.78e4	1.07e5	0.92	NO	0.496	42.03	42.34	NO	1.230	1.239	165.00	82.5	NO
25	25 13C-2,3,7,8-TCDF	1.61e5	1.55e5	0.79	NO	1.03	26.46	26.48	NO	1.002	1.003	101.46	101	NO
26	26 13C-1,2,3,7,8-PeCDF	1.25e5	1.55e5	1.60	NO	0.805	30.06	30.08	NO	1.138	1.139	100.50	101	NO
27	27 13C-2,3,4,7,8-PeCDF	1.16e5	1.55e5	1.60	NO	0.748	31.01	31.03	NO	1.174	1.175	100.12	100	NO
28	28 13C-1,2,3,4,7,8-HxCDF	9.85e4	1.07e5	0.50	NO	0.968	33.66	33.67	NO	0.985	0.985	94.817	94.8	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.13e5	1.07e5	0.48	NO	1.08	33.83	33.82	NO	0.990	0.990	96.965	97.0	NO
30	30 13C-2,3,4,6,7,8-HxCDF	9.78e4	1.07e5	0.50	NO	0.960	34.54	34.54	NO	1.011	1.011	94.940	94.9	NO
31	31 13C-1,2,3,7,8,9-HxCDF	8.87e4	1.07e5	0.51	NO	0.869	35.65	35.67	NO	1.044	1.044	95.158	95.2	NO

Dataset: U:\VG7.PRO\Results\210409D1\210409D1-1.qld

Last Altered: Saturday, April 10, 2021 09:14:34 Pacific Daylight Time

Printed: Saturday, April 10, 2021 12:26:07 Pacific Daylight Time

Name: 210409D1\_1, Date: 09-Apr-2021, Time: 08:43:26, ID: ST210409D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	8.57e4	1.07e5	0.42	NO	0.794	37.21	37.26	NO	1.089	1.091	100.55	101	NO
33	13C-1,2,3,4,7,8,9-HpCDF	6.05e4	1.07e5	0.41	NO	0.586	39.22	39.27	NO	1.148	1.150	96.224	96.2	NO
34	13C-OCDF	1.32e5	1.07e5	0.88	NO	0.711	42.40	42.68	NO	1.241	1.249	172.56	86.3	NO
35	37Cl-2,3,7,8-TCDD	9.13e3	9.64e4			1.11	27.05	27.08	NO	1.025	1.026	8.5581	85.6	NO
36	13C-1,2,3,4-TCDD	9.64e4	9.64e4	0.79	NO	1.00	26.42	26.40	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	1.55e5	1.55e5	0.77	NO	1.00	25.21	25.18	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.07e5	1.07e5	0.51	NO	1.00	34.18	34.16	NO	1.000	1.000	100.00	100	NO

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time

Printed: Saturday, April 10, 2021 09:21:09 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_4-6-21.mdb 06 Apr 2021 09:18:07

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210409D1_1	ST210409D1-1 1613 CS3 20H2521	09-Apr-21	08:43:26
2	210409D1_2	TCDF CPSM 21B1807	09-Apr-21	09:33:59
3	210409D1_3	B1C0211-BS1 OPR 10	09-Apr-21	10:23:50
4	210409D1_4	SOLVENT BLANK	09-Apr-21	11:09:28
5	210409D1_5	B1C0211-BLK1 Method Blank 10	09-Apr-21	11:56:07
6	210409D1_6	2103150-08RE1 USMPDI-063RAB-10-20-210...	09-Apr-21	12:42:47
7	210409D1_7	2103213-01 F024 Unstabilized Ash: Box#: RB...	09-Apr-21	13:29:26
8	210409D1_8	2103213-02 F024 Unstabilized Ash: Box#: N3...	09-Apr-21	14:16:06
9	210409D1_9	2103219-01 USMPDI-068RAB-00-10-210311 ...	09-Apr-21	15:02:46
10	210409D1_10	2103219-02 USMPDI-068RAB-10-20-210311 ...	09-Apr-21	15:49:24
11	210409D1_11	B1C0211-DUP1 Duplicate 12.48	09-Apr-21	16:36:03
12	210409D1_12	2103219-03 USMPDI-068RAB-20-32.1-21031...	09-Apr-21	17:22:42
13	210409D1_13	2103219-04 USMPDI-069RAB-00-10-210312 ...	09-Apr-21	18:09:21
14	210409D1_14	2103219-05 USMPDI-069RAB-10-20-210312 ...	09-Apr-21	18:56:00
15	210409D1_15	2103219-06 USMPDI-069RAB-20-36.3-21031...	09-Apr-21	19:42:39

File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

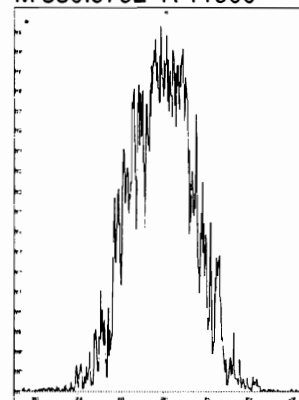
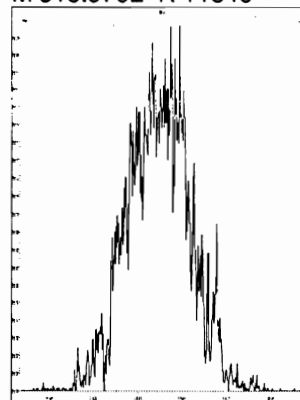
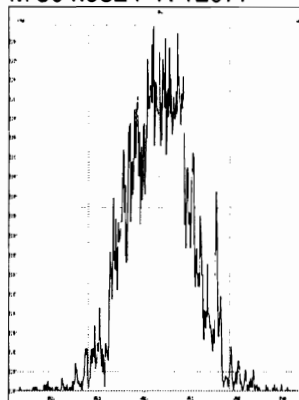
Printed: Friday, April 09, 2021 08:40:21 Pacific Daylight Time

M 292.9824 R 10685

M 304.9824 R 12077

M 318.9792 R 11846

M 330.9792 R 11900

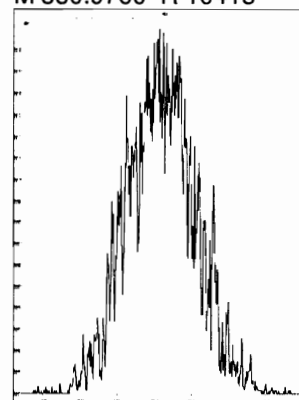
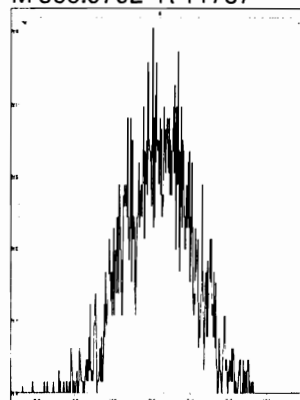
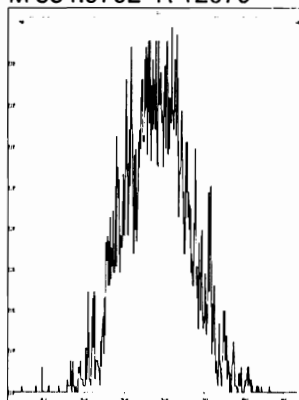
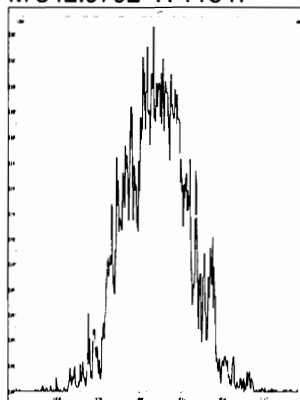


M 342.9792 R 11847

M 354.9792 R 12079

M 366.9792 R 11737

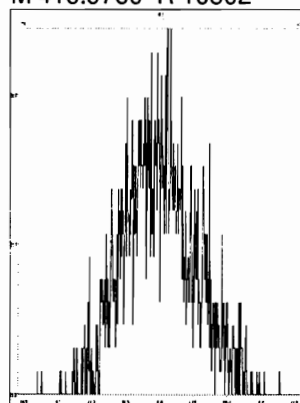
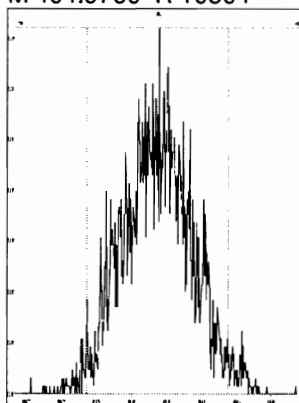
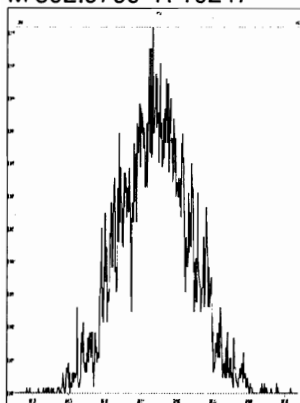
M 380.9760 R 10415



M 392.9760 R 10247

M 404.9760 R 10504

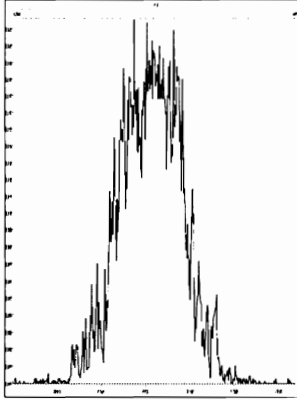
M 416.9760 R 10502



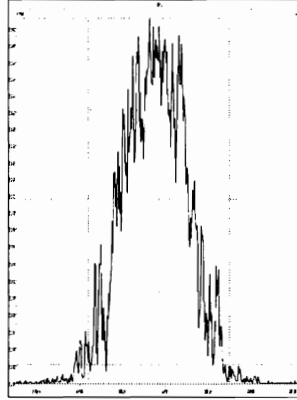
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, April 09, 2021 08:40:53 Pacific Daylight Time

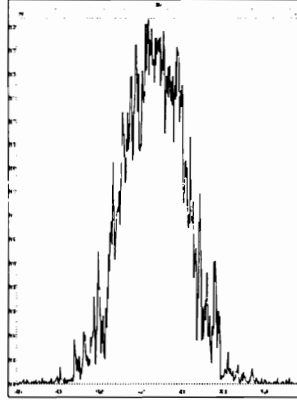
M 318.9792 R 11626



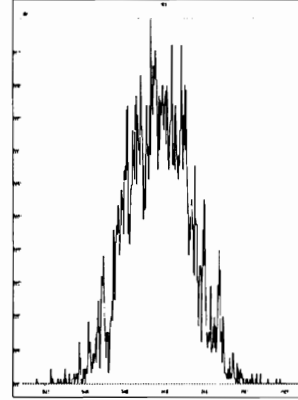
M 330.9792 R 12138



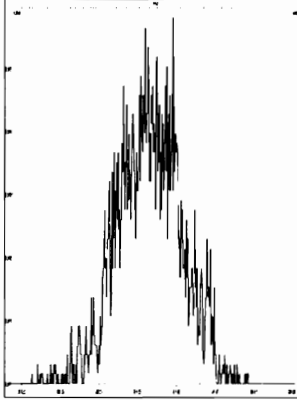
M 342.9792 R 10204



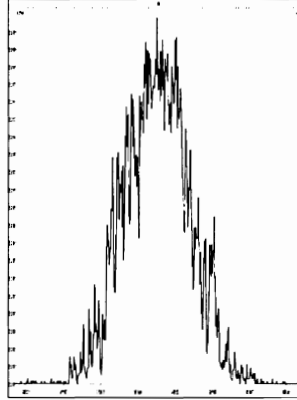
M 354.9792 R 12252



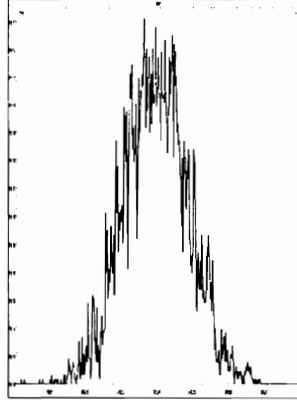
M 366.9792 R 12073



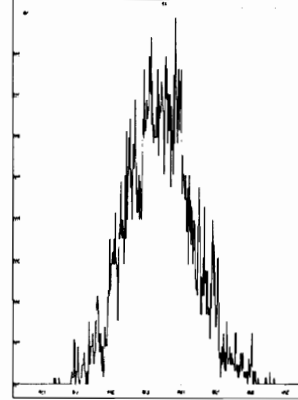
M 380.9760 R 11741



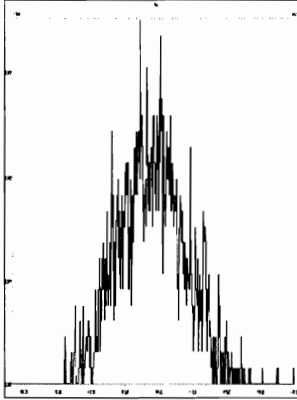
M 392.9760 R 11846



M 404.9760 R 10684



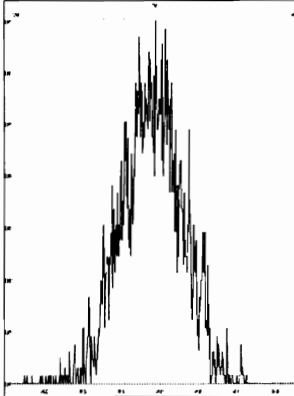
M 416.9760 R 11847



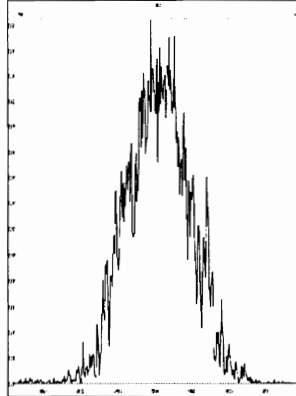
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, April 09, 2021 08:41:30 Pacific Daylight Time

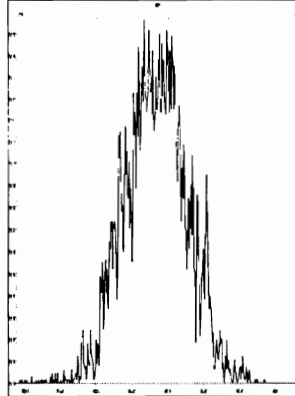
M 366.9792 R 12316



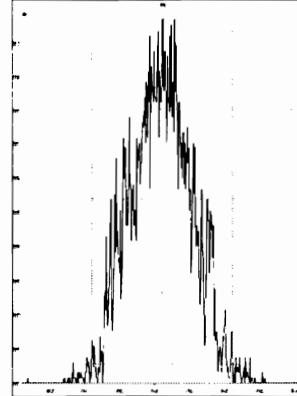
M 380.9760 R 11363



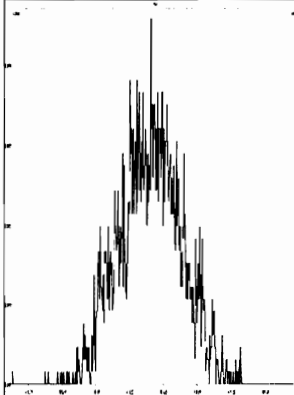
M 392.9760 R 11011



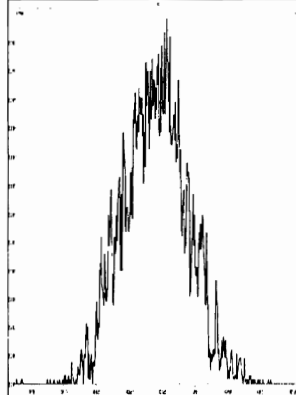
M 404.9760 R 11364



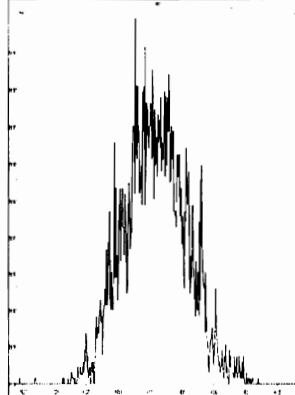
M 416.9760 R 11903



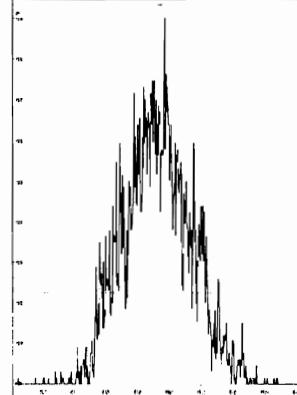
M 430.9728 R 10505



M 442.9728 R 10593



M 454.9728 R 10547

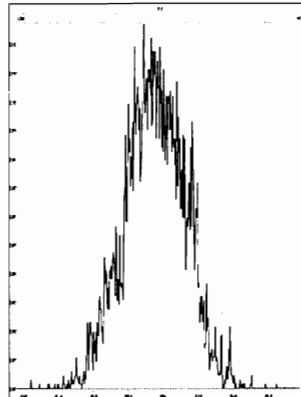




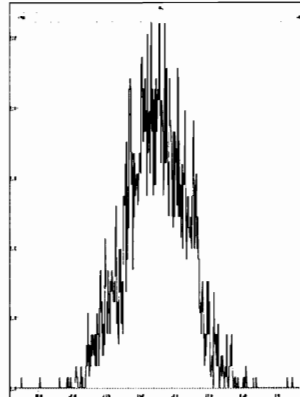
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, April 09, 2021 08:41:54 Pacific Daylight Time

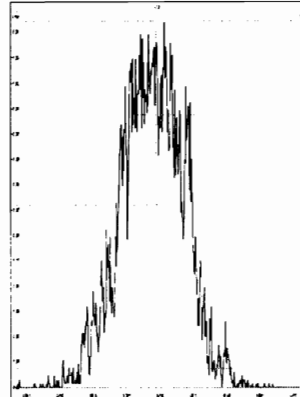
M 404.9760 R 10726



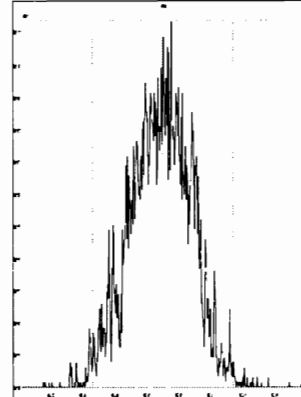
M 416.9760 R 11160



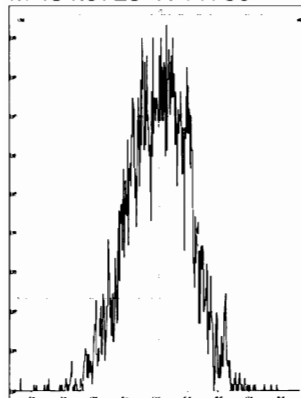
M 430.9728 R 12134



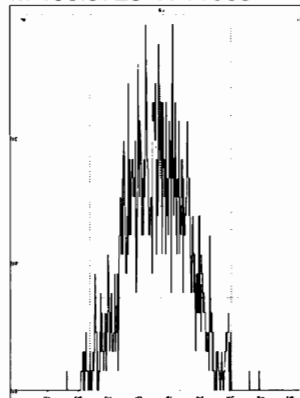
M 442.9728 R 11625



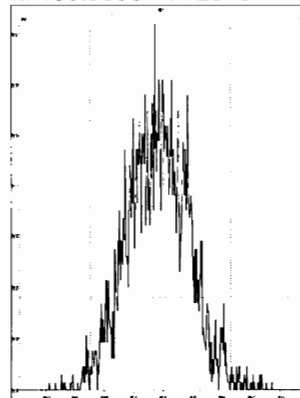
M 454.9728 R 11736



M 466.9728 R 11063



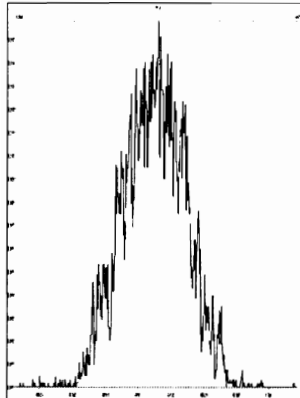
M 480.9696 R 12316



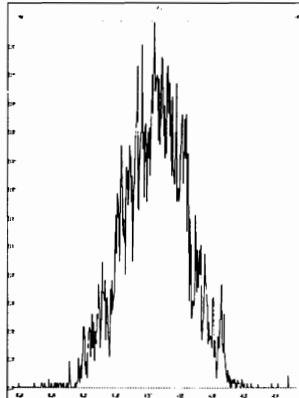
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, April 09, 2021 08:42:16 Pacific Daylight Time

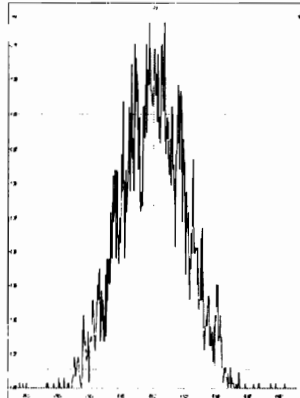
M 430.9728 R 11012



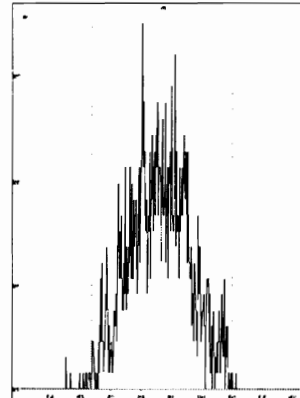
M 442.9728 R 10966



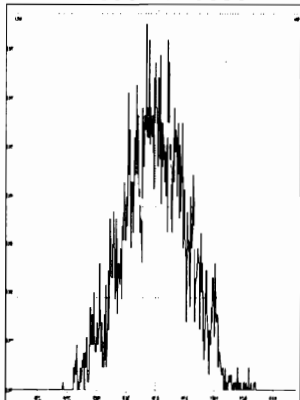
M 454.9728 R 10772



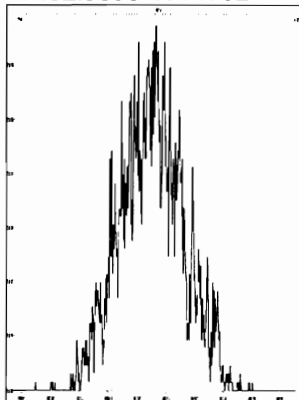
M 466.9728 R 11960



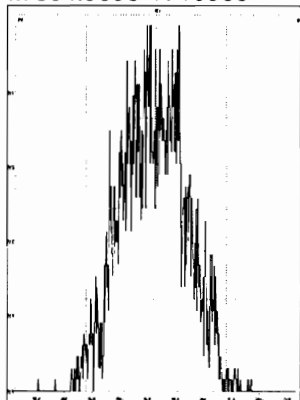
M 480.9696 R 10636



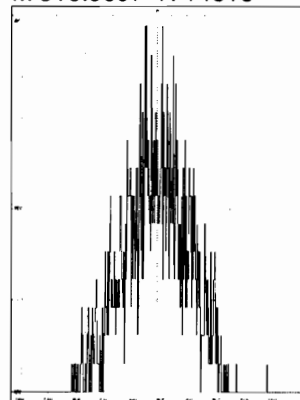
M 492.9696 R 11792



M 504.9696 R 10966



M 516.9697 R 14616



Dataset: Untitled

Last Altered: Saturday, April 10, 2021 09:22:06 Pacific Daylight Time

Printed: Saturday, April 10, 2021 09:22:28 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 06 Apr 2021 11:04:01

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210409D1\_1, Date: 09-Apr-2021, Time: 08:43:26, ID: ST210409D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

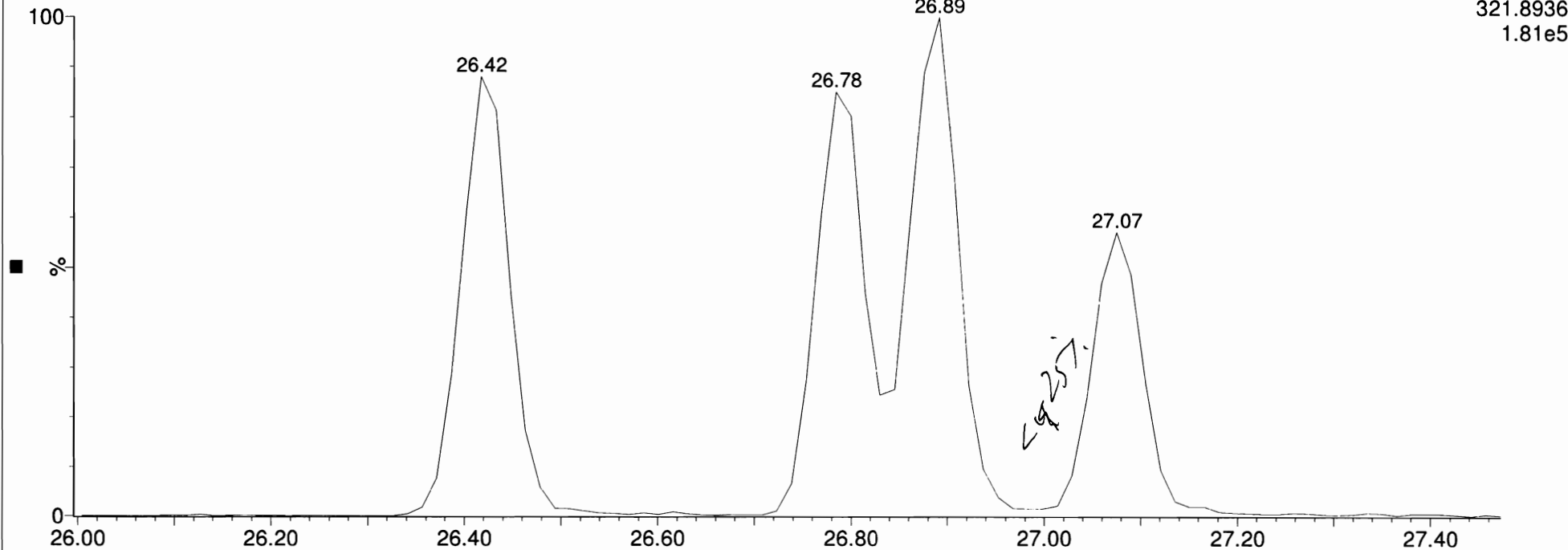
#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.96
2	2 1,2,8,9-TCDD (Last)	27.84
3	3 1,2,4,7,9-PeCDD (First)	29.18
4	4 1,2,3,8,9-PeCDD (Last)	31.55
5	5 1,2,4,6,7,9-HxCDD (First)	32.89
6	6 1,2,3,7,8,9-HxCDD (Last)	35.11
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.57
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.54
9	9 1,3,6,8-TCDF (First)	22.09
10	10 1,2,8,9-TCDF (Last)	28.13
11	11 1,3,4,6,8-PeCDF (First)	27.73
12	12 1,2,3,8,9-PeCDF (Last)	31.91
13	13 1,2,3,4,6,8-HxCDF (First)	32.33
14	14 1,2,3,7,8,9-HxCDF (Last)	35.68
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.28
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.29

210409D1\_1

1: Voltage SIR 15 Channels EI+

321.8936

1.81e5

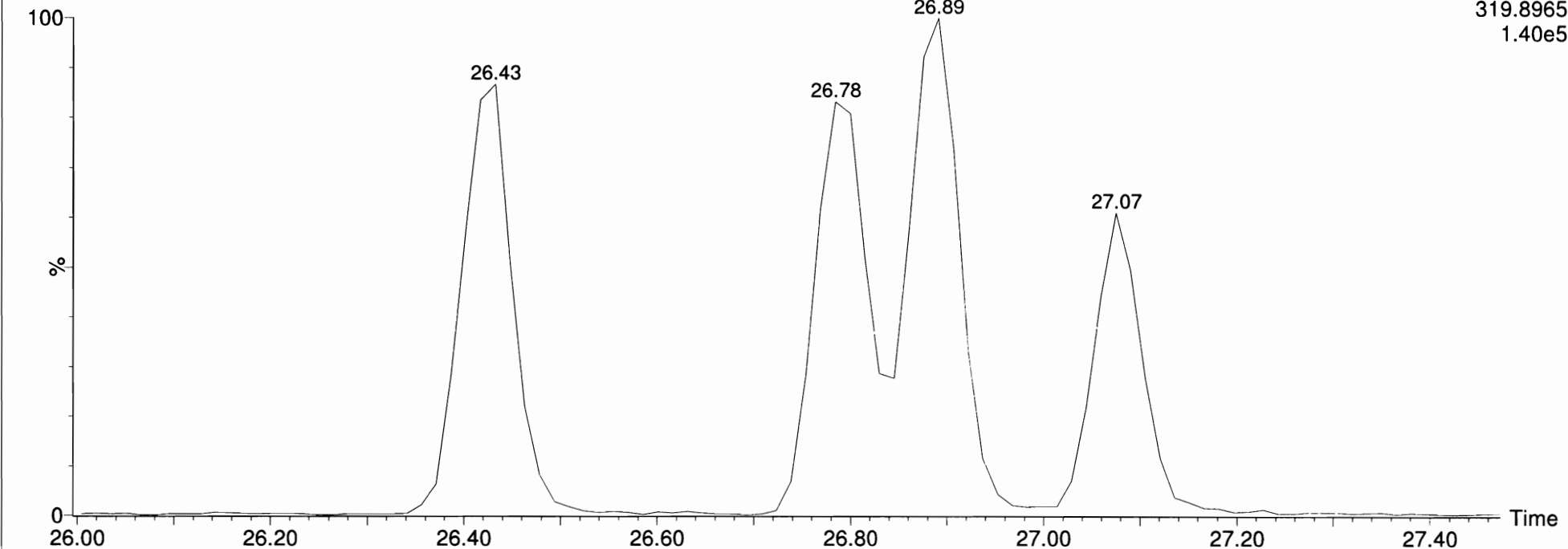


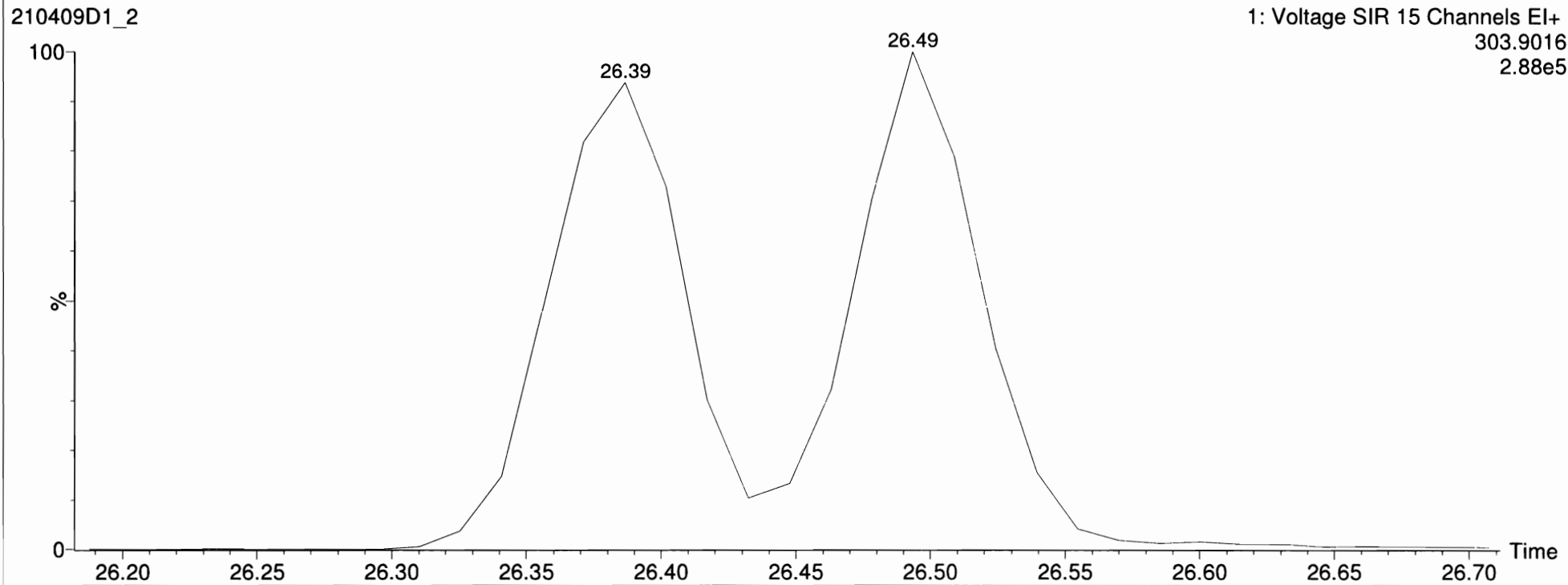
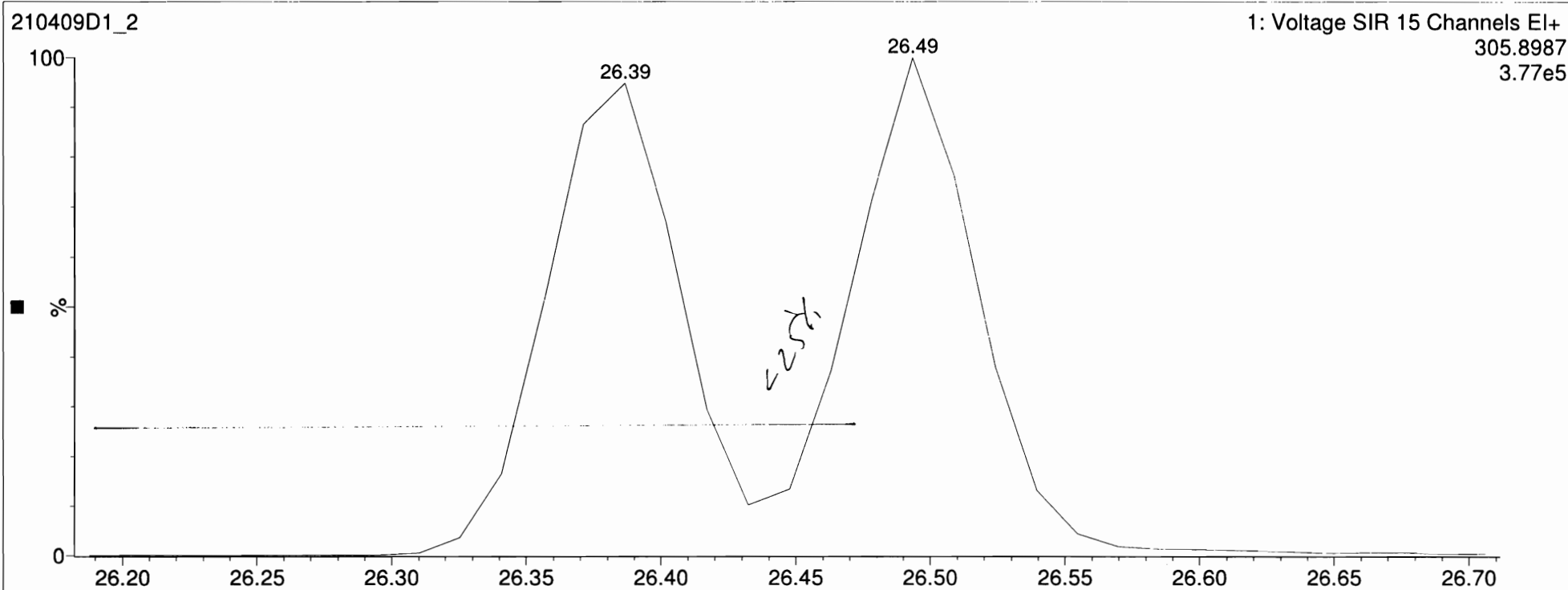
210409D1\_1

1: Voltage SIR 15 Channels EI+

319.8965

1.40e5





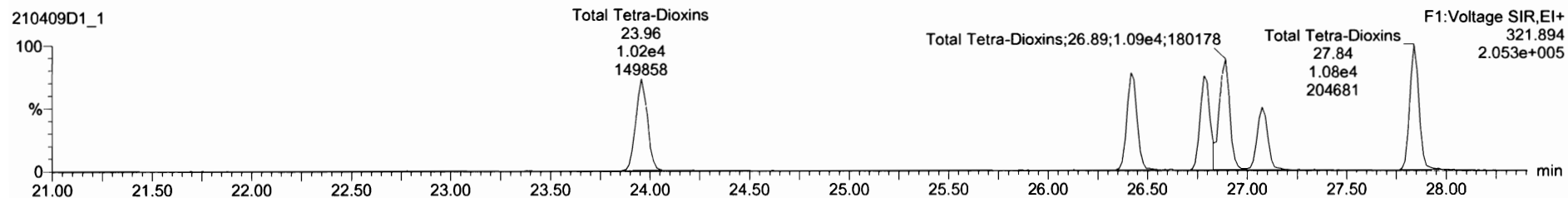
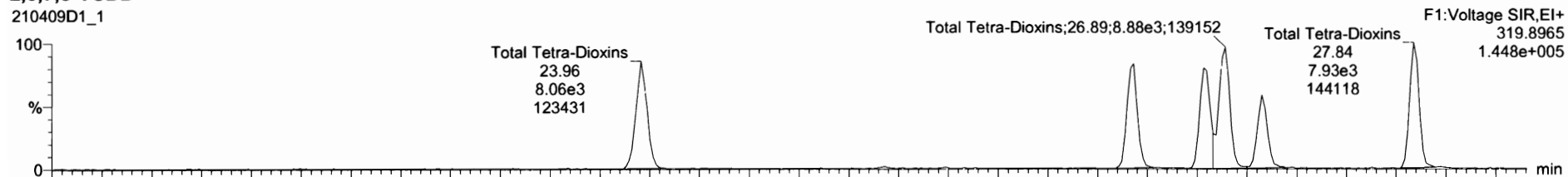
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

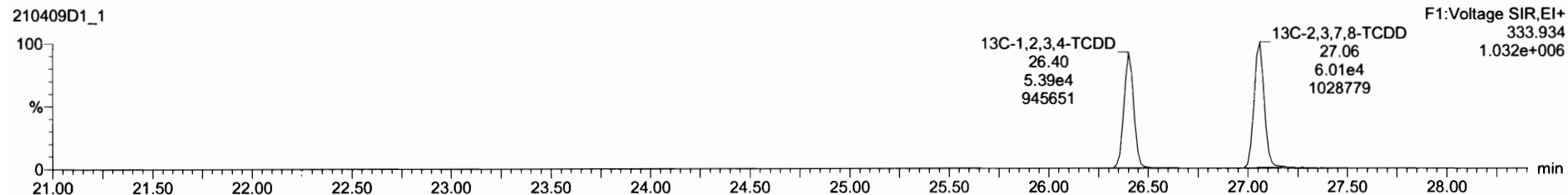
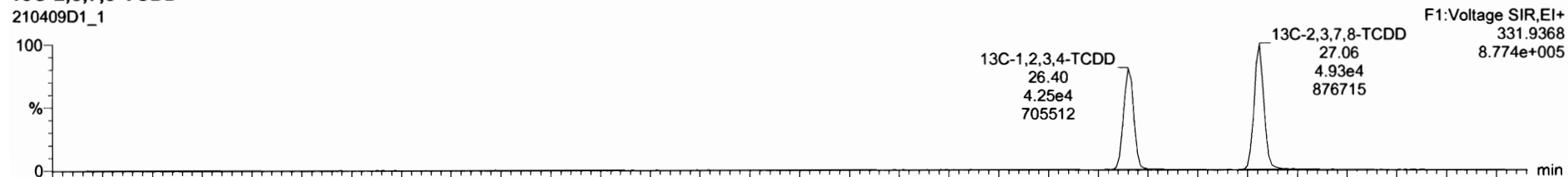
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Name: 210409D1\_1, Date: 09-Apr-2021, Time: 08:43:26, ID: ST210409D1-1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

**2,3,7,8-TCDD**  
210409D1\_1



**13C-2,3,7,8-TCDD**  
210409D1\_1



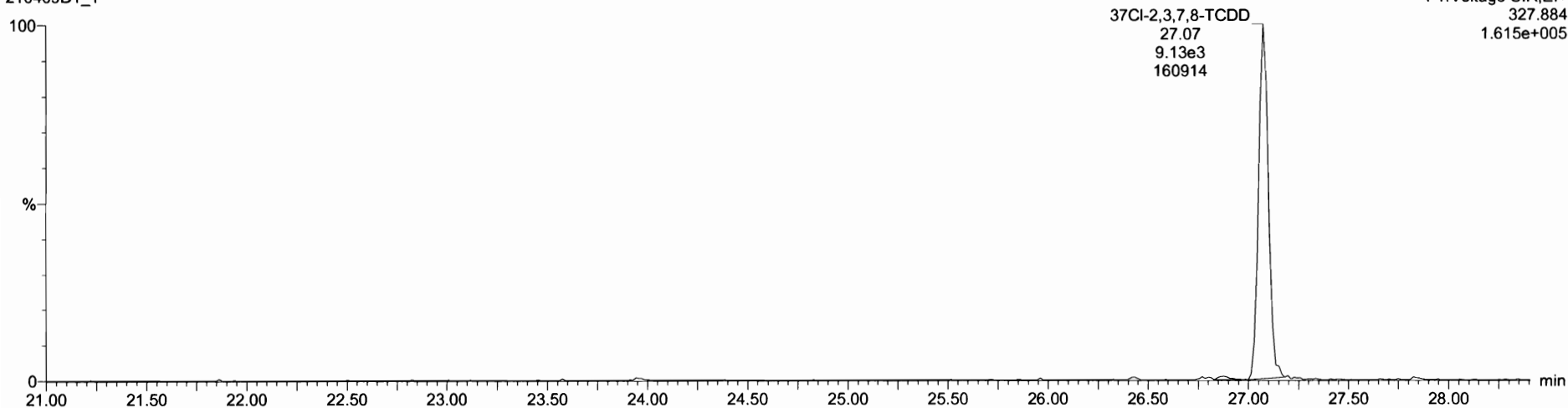
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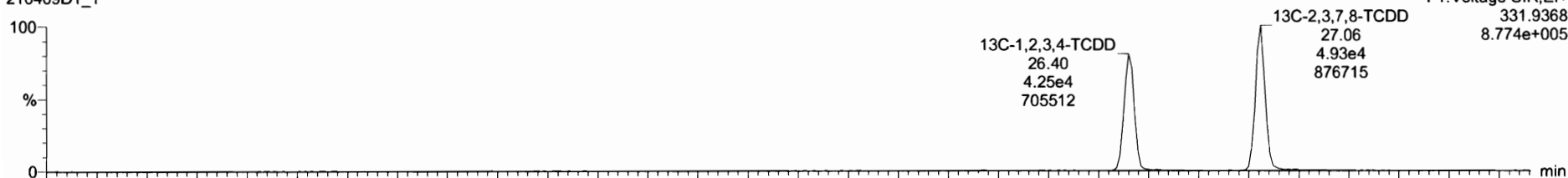
**37Cl-2,3,7,8-TCDD**

210409D1\_1

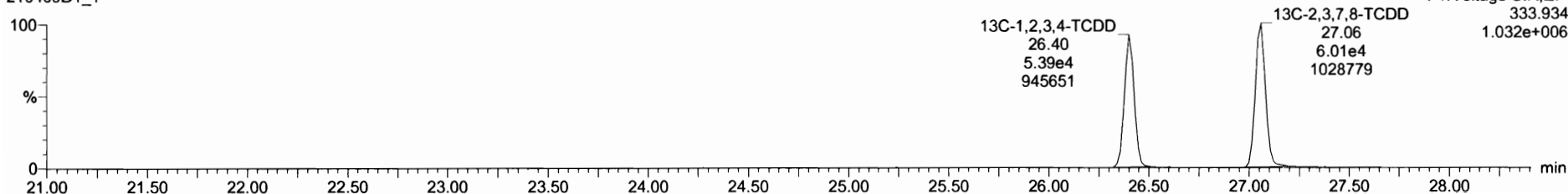


**13C-1,2,3,4-TCDD**

210409D1\_1



210409D1\_1



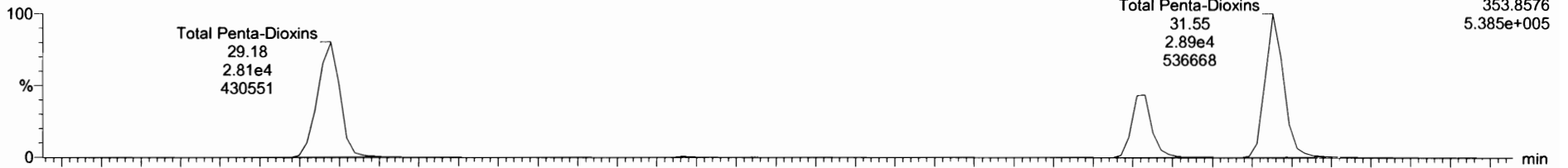
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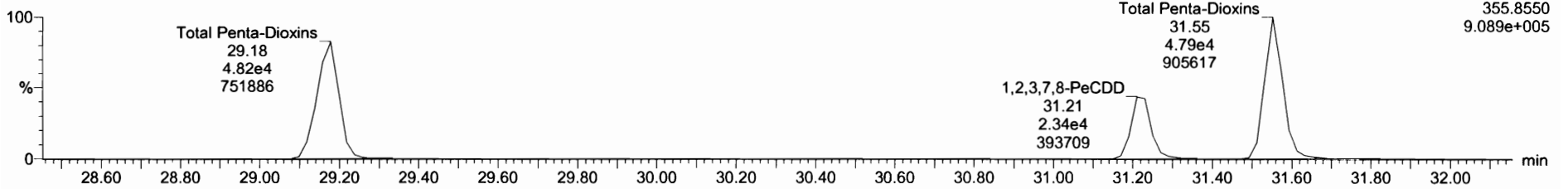
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**1,2,3,7,8-PeCDD**

210409D1\_1

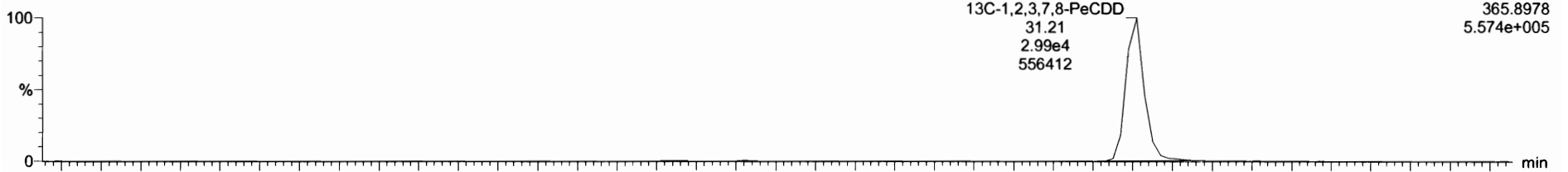


210409D1\_1

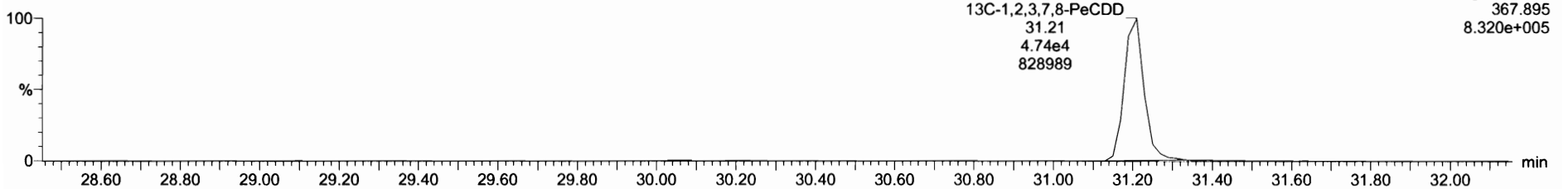


**13C-1,2,3,7,8-PeCDD**

210409D1\_1



210409D1\_1





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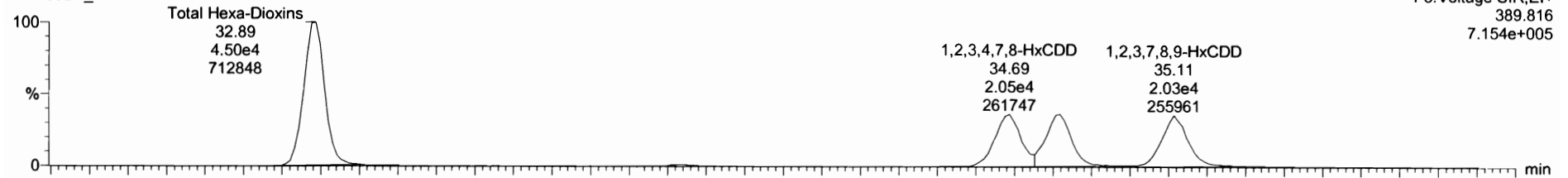
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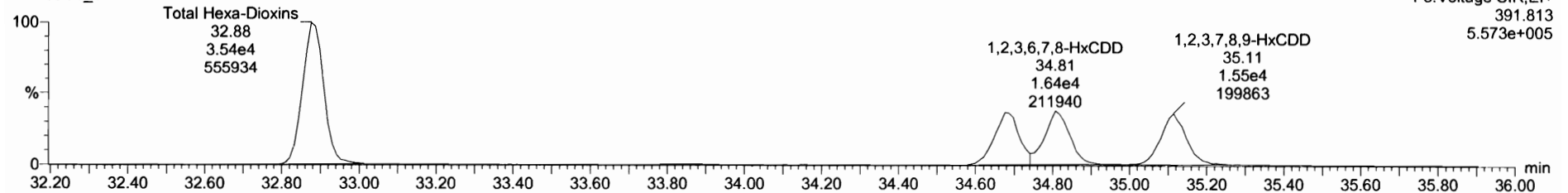
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**1,2,3,4,7,8-HxCDD**

210409D1\_1

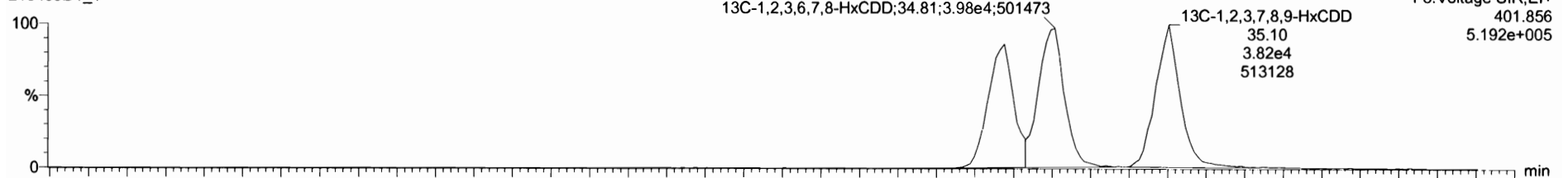


210409D1\_1

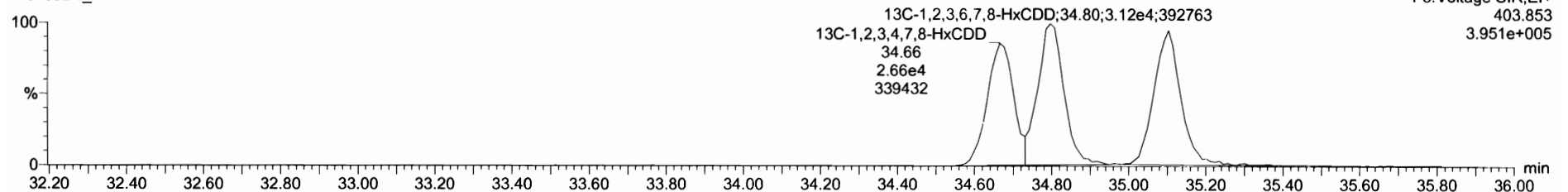


**13C-1,2,3,4,7,8-HxCDD**

210409D1\_1



210409D1\_1



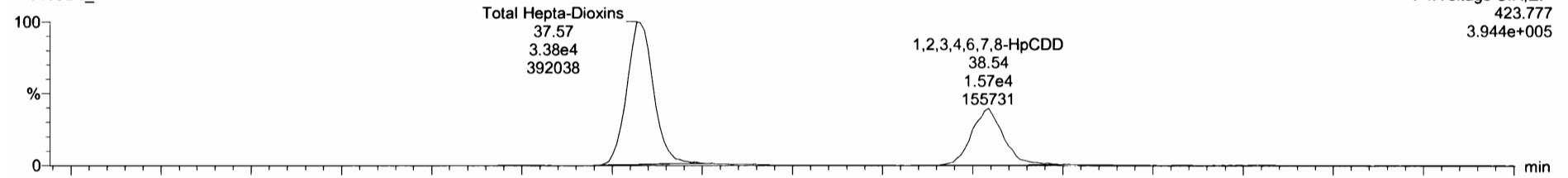
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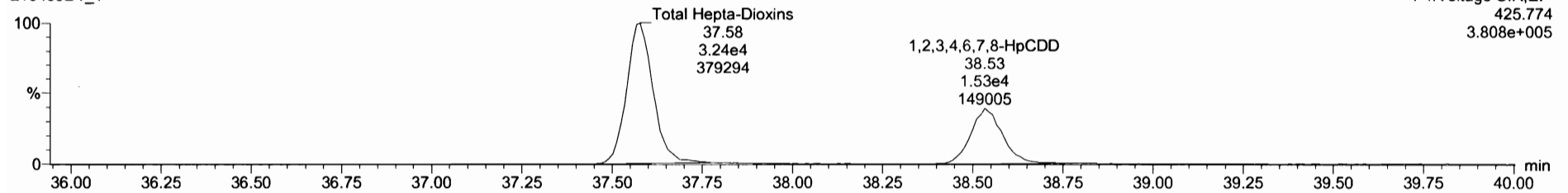
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1,2,3,4,6,7,8-HpCDD

210409D1\_1

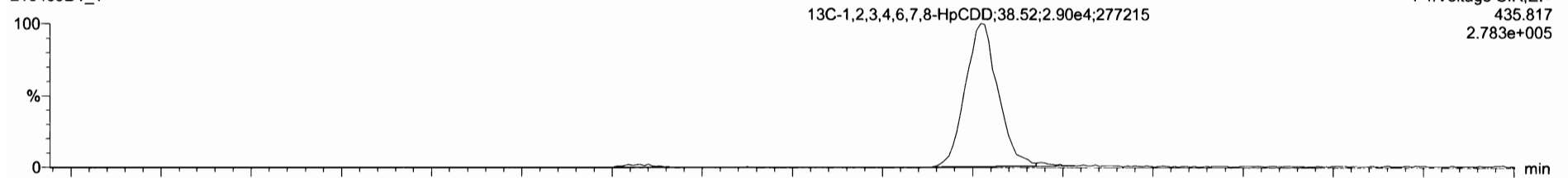


210409D1\_1

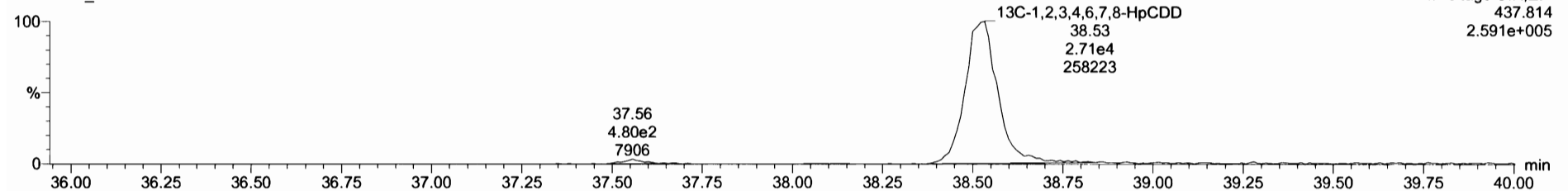


13C-1,2,3,4,6,7,8-HpCDD

210409D1\_1



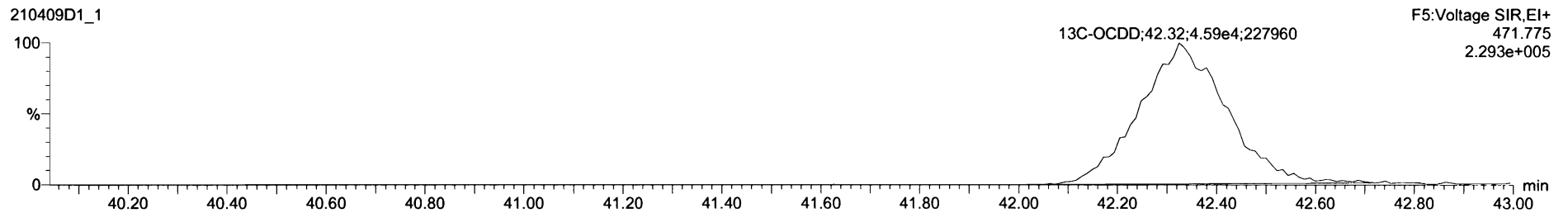
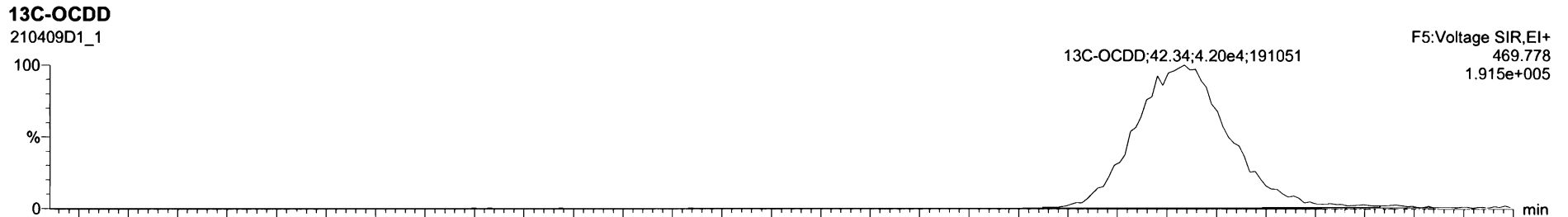
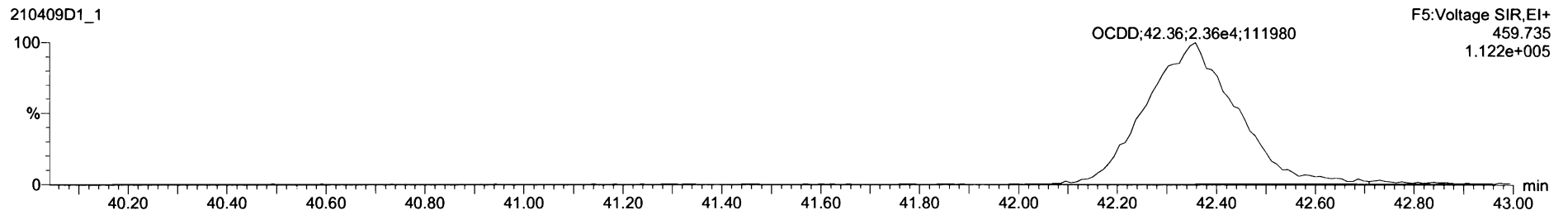
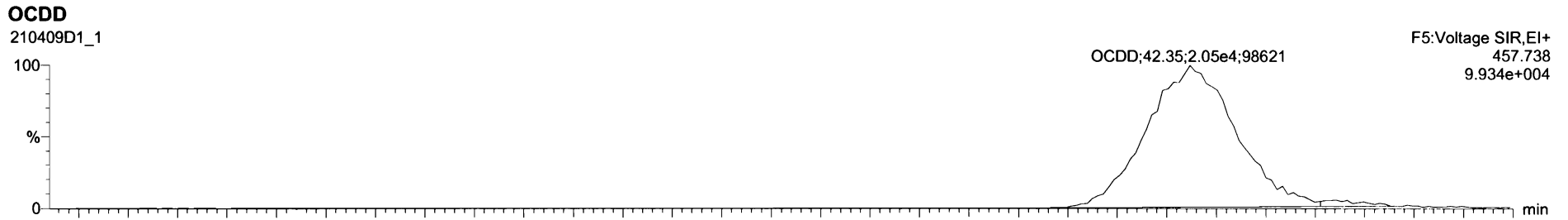
210409D1\_1



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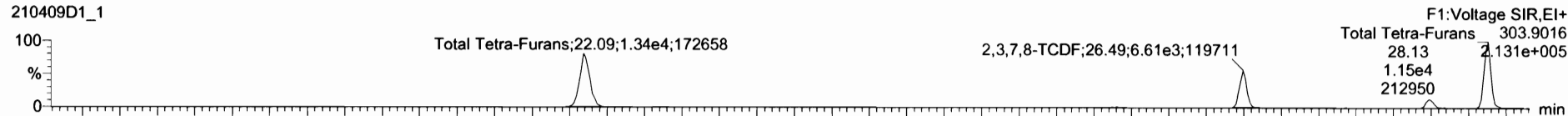
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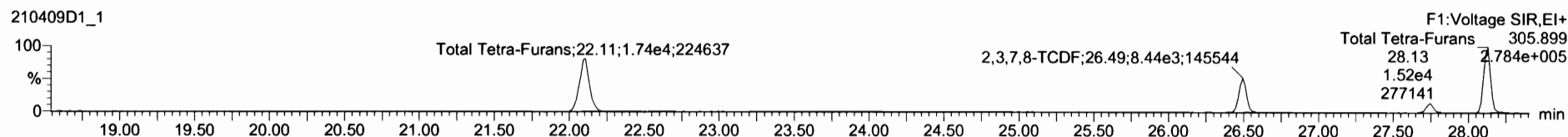
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### 2,3,7,8-TCDF

210409D1\_1

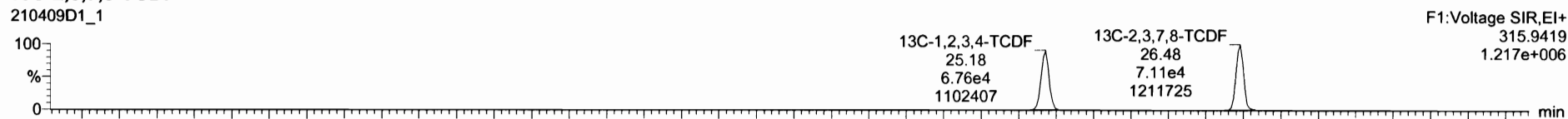


210409D1\_1

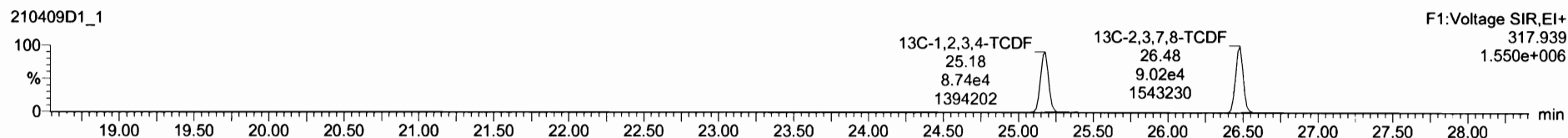


### 13C-2,3,7,8-TCDF

210409D1\_1

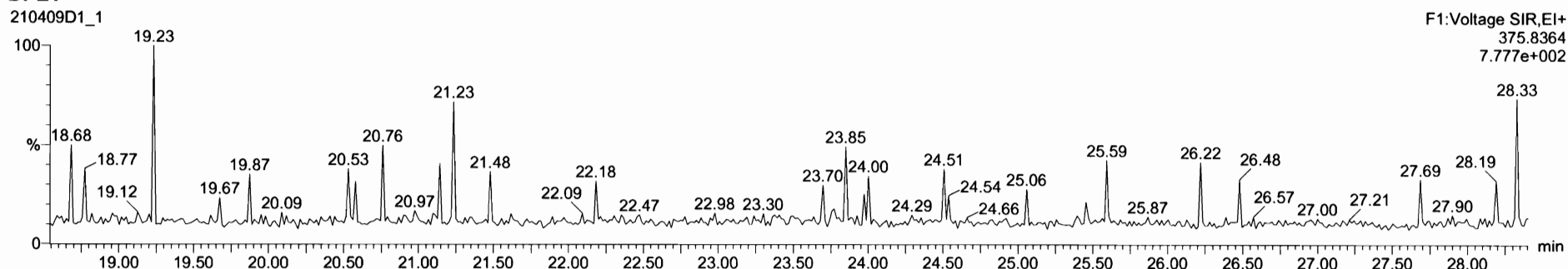


210409D1\_1



### DPE1

210409D1\_1



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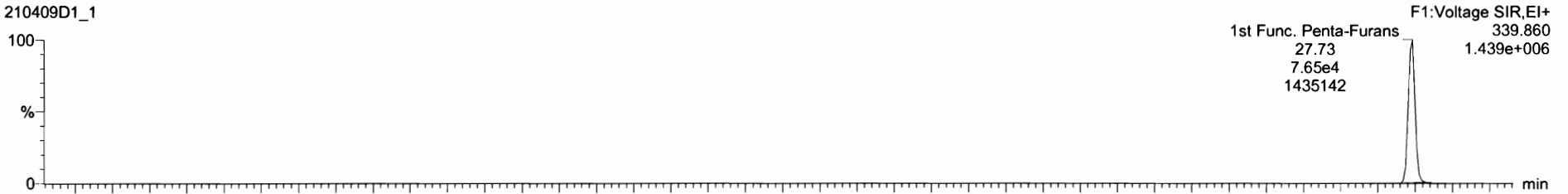
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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

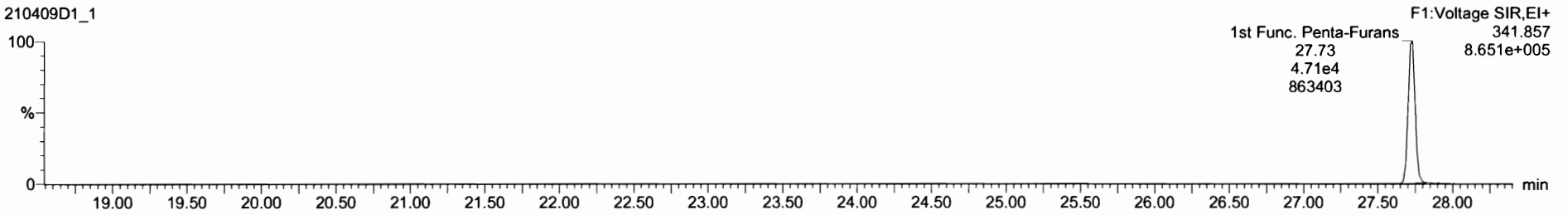
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1st Func. Penta-Furans

210409D1\_1

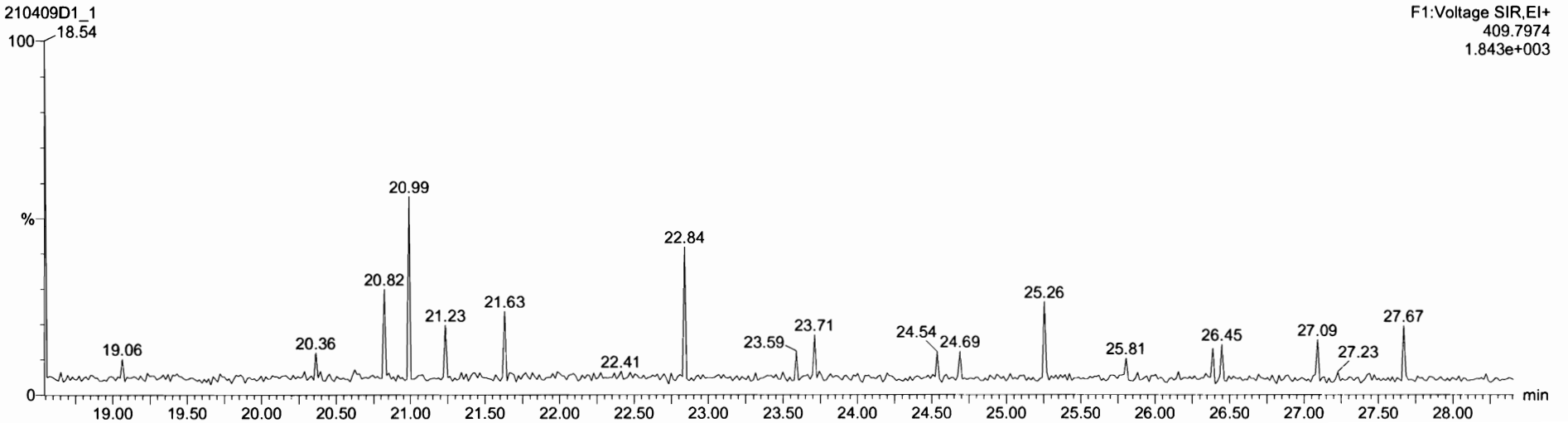


210409D1\_1



DPE6

210409D1\_1



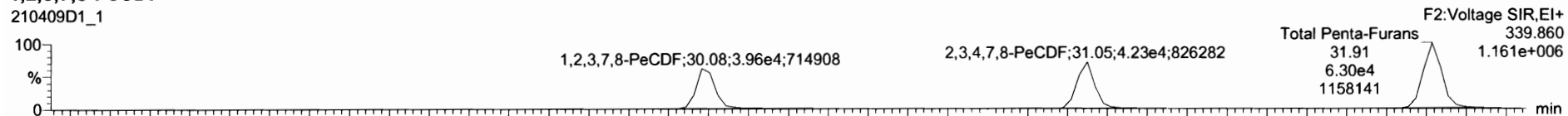
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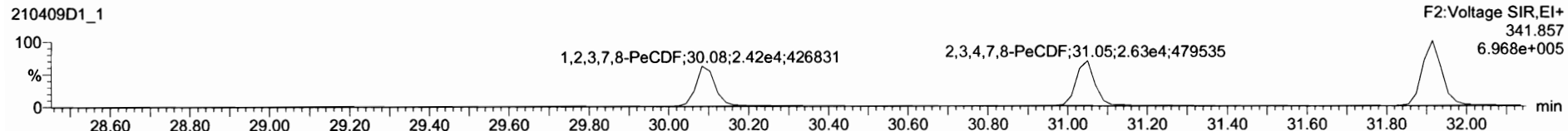
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**1,2,3,7,8-PeCDF**

210409D1\_1

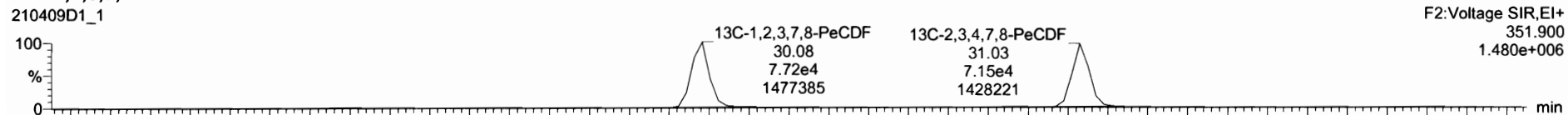


210409D1\_1

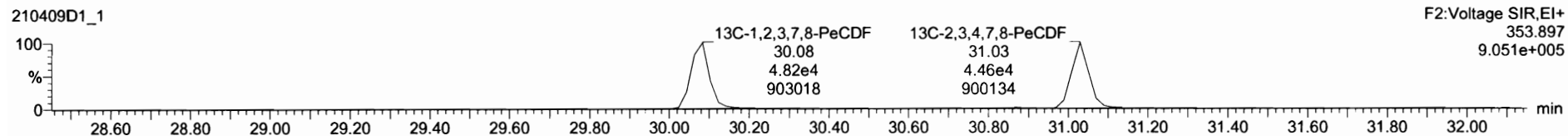


**13C-1,2,3,7,8-PeCDF**

210409D1\_1

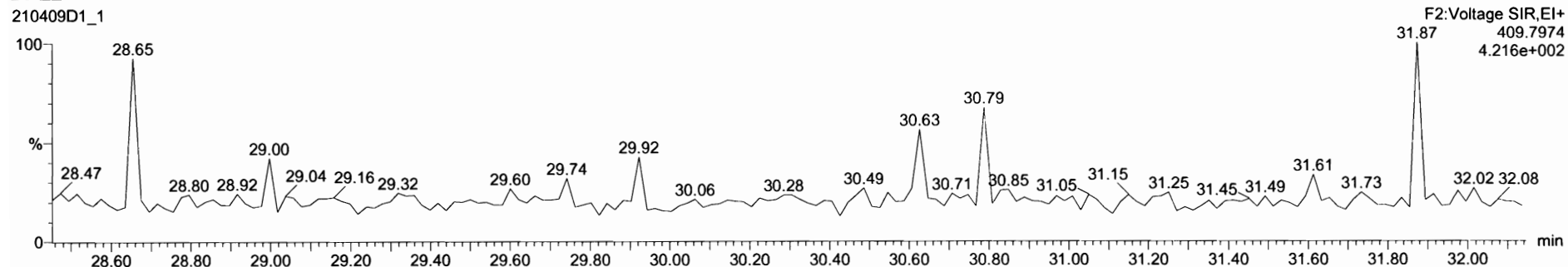


210409D1\_1



**DPE2**

210409D1\_1



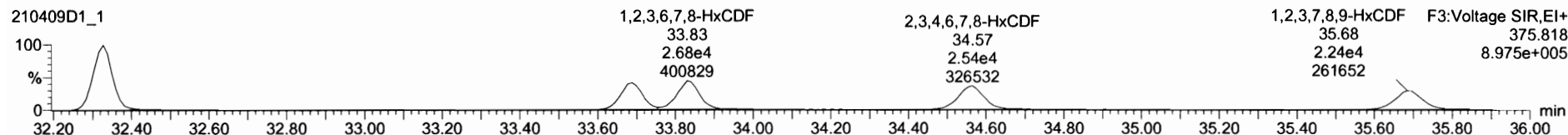
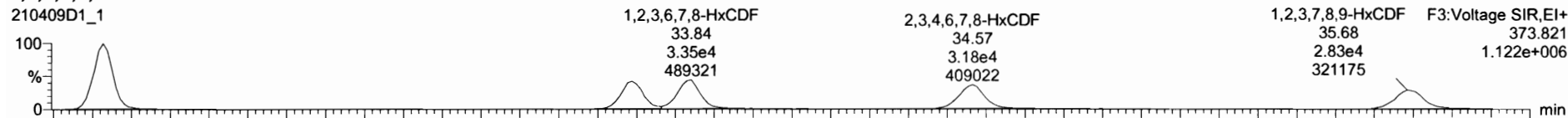
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Last Altered: Saturday, April 10, 2021 09:20:48 Pacific Daylight Time

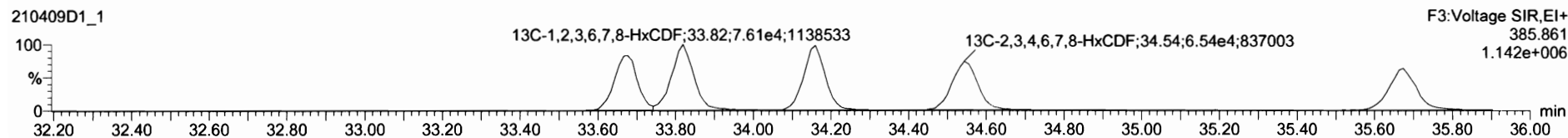
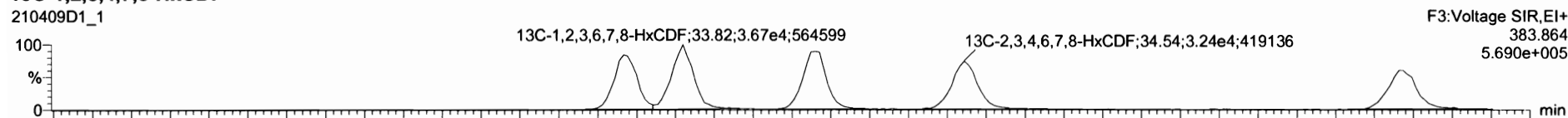
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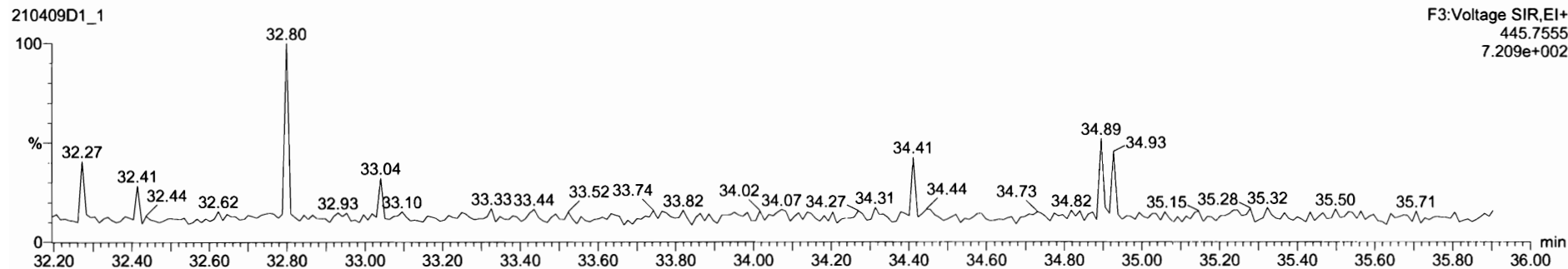
**1,2,3,4,7,8-HxCDF**



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



**DPE3**

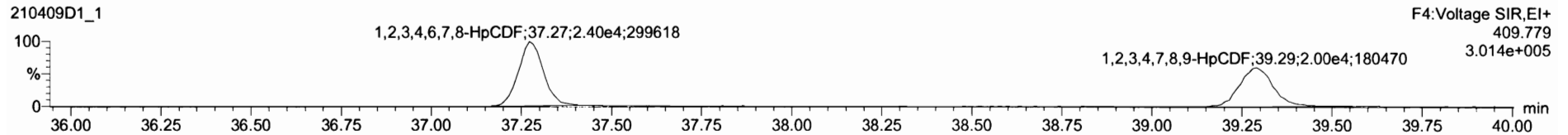
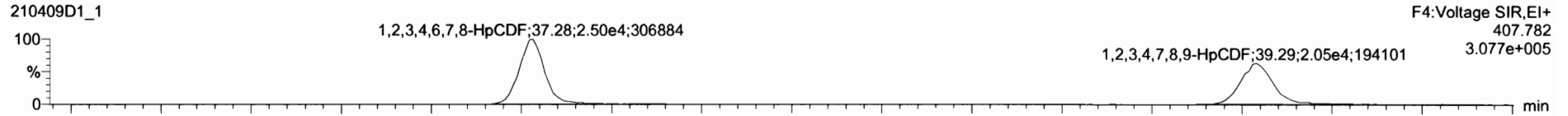


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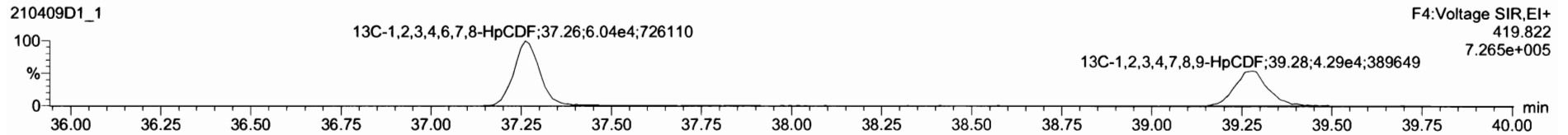
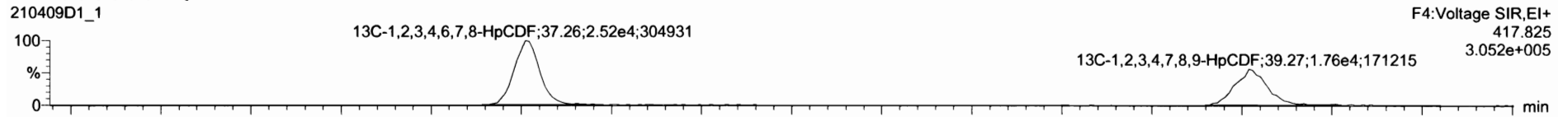
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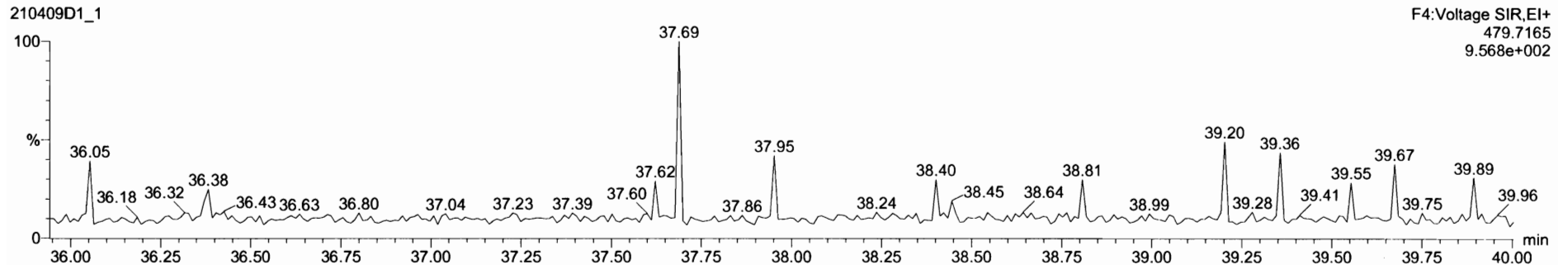
**1,2,3,4,6,7,8-HpCDF**



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



**DPE4**

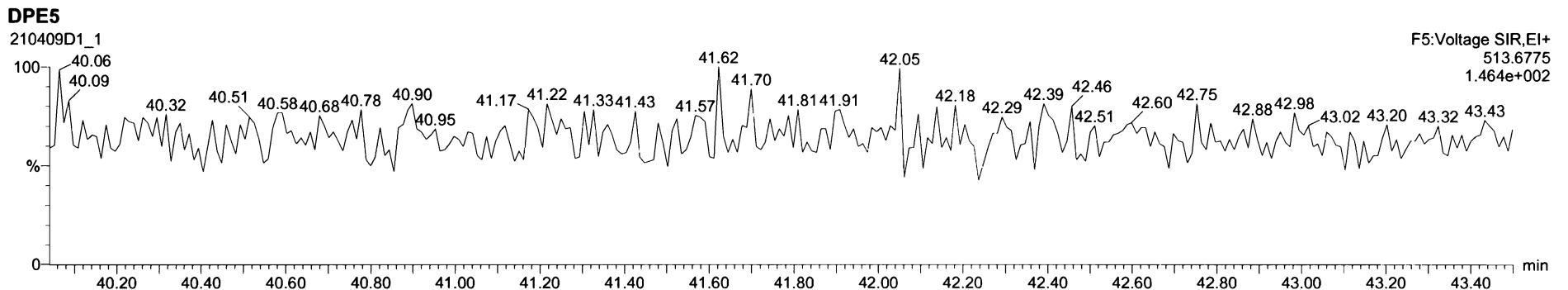
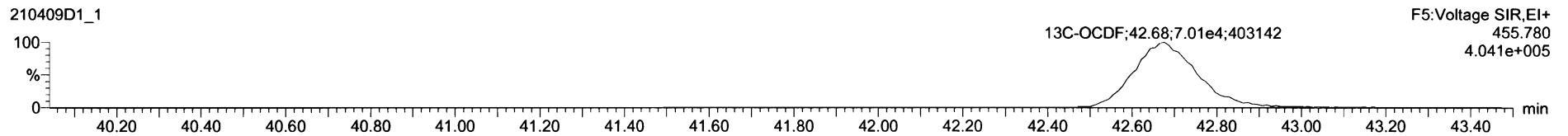
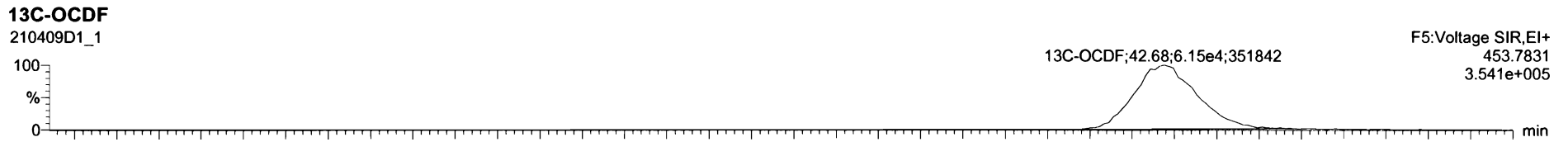
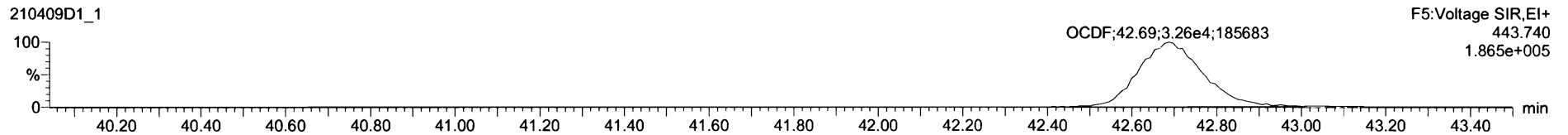
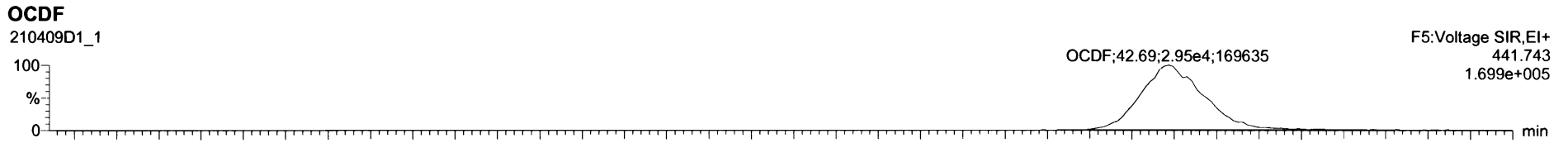




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Printed: Saturday, April 10, 2021 09:21:35 Pacific Daylight Time

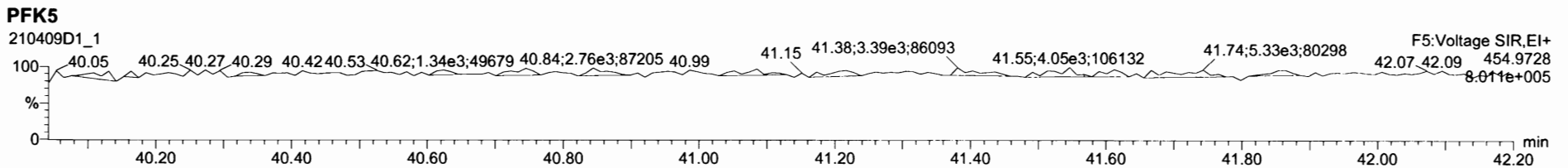
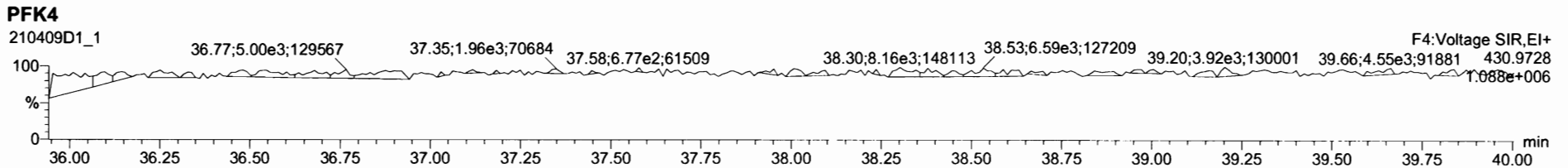
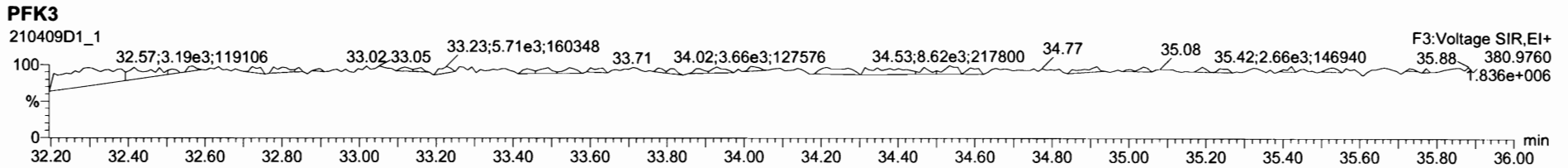
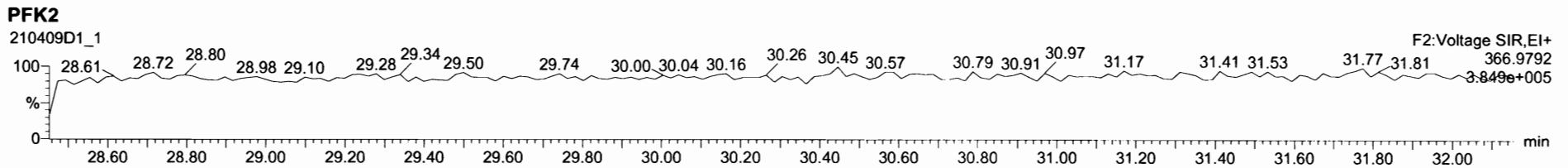
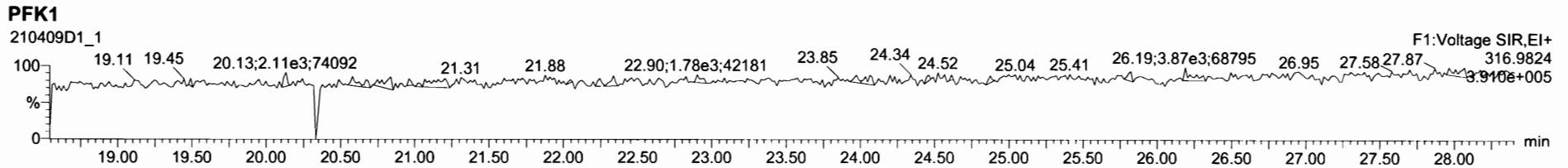
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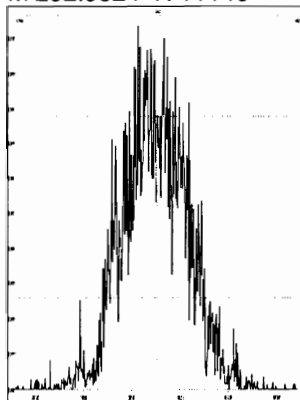
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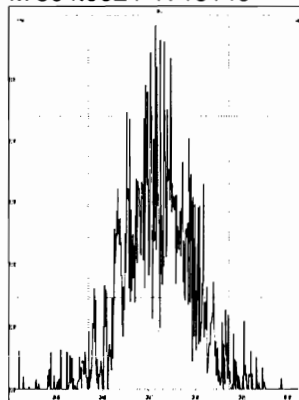
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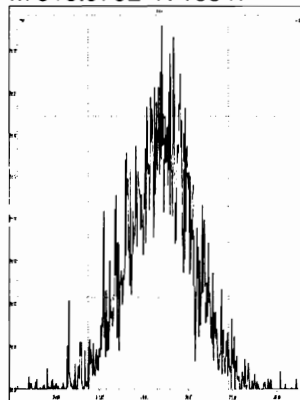
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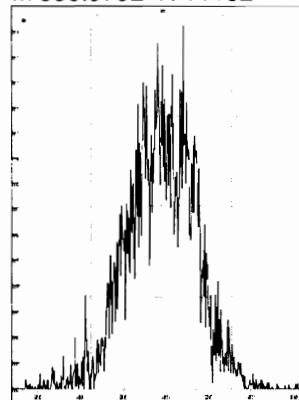
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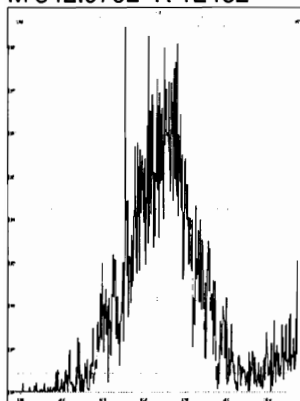
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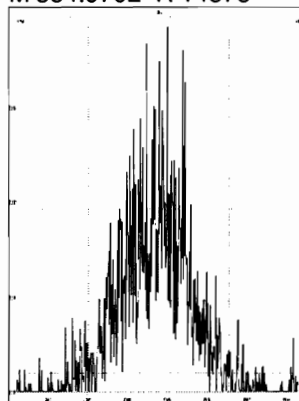
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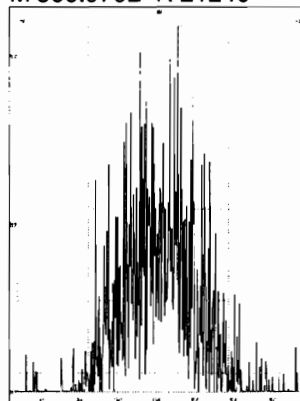
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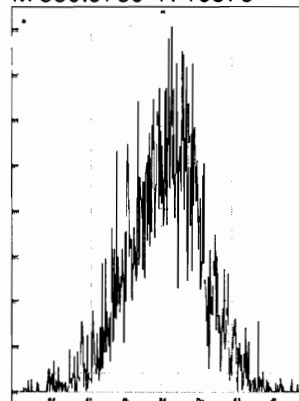
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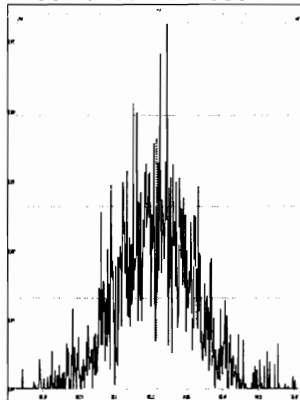
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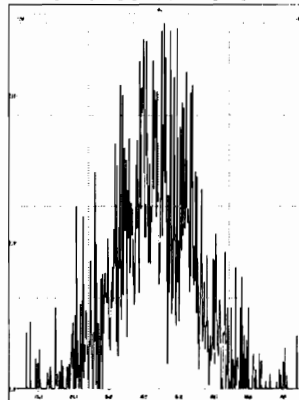
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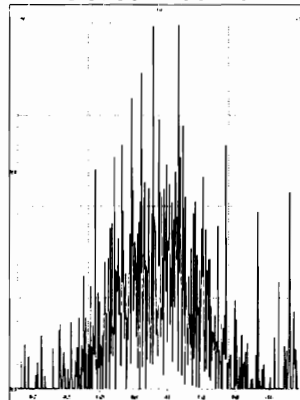
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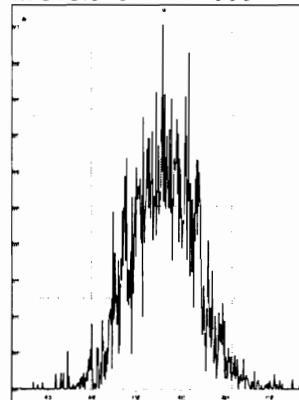
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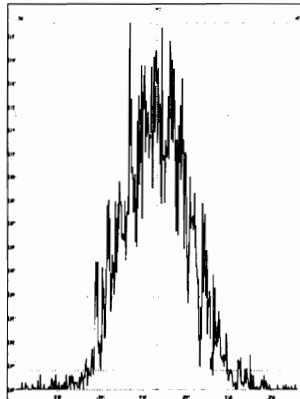
M 416.9760 R 36246



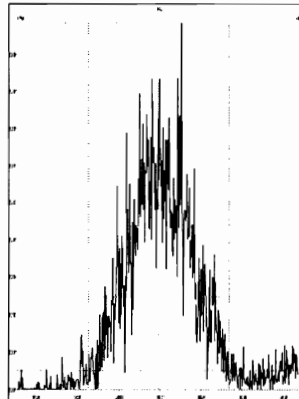
M 318.9792 R 12553



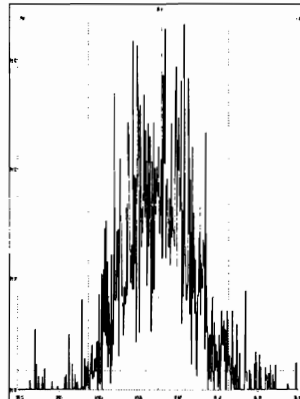
M 330.9792 R 10531



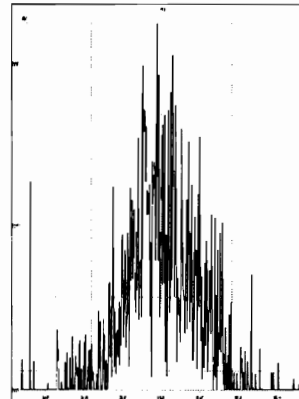
M 342.9792 R 12297



M 354.9792 R 13951

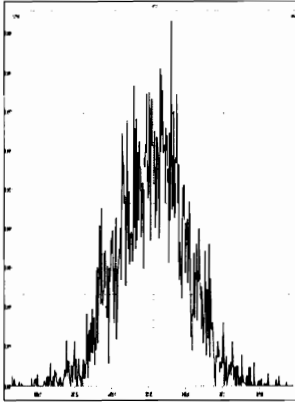


M 366.9792 R 19914

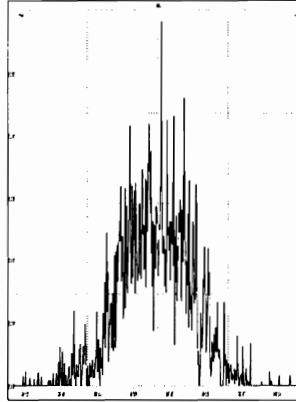


Printed: Friday, April 09, 2021 20:38:05 Pacific Daylight Time

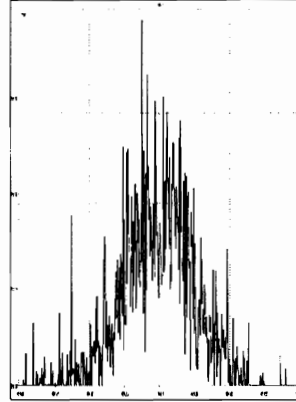
M 380.9760 R 11393



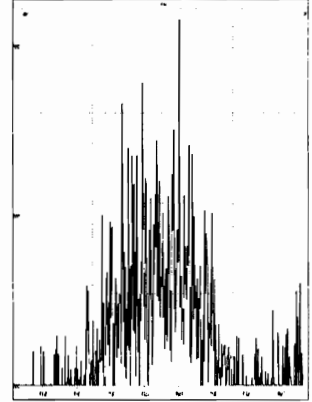
M 392.9760 R 12624



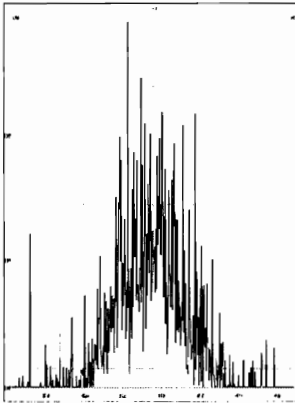
M 404.9760 R 12408



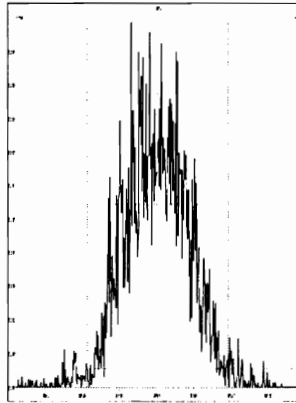
M 416.9760 R 23603



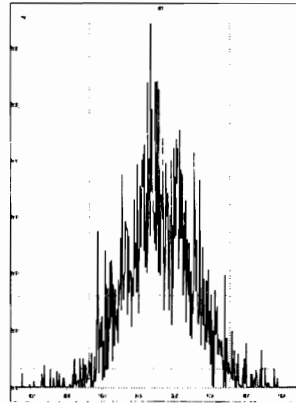
M 366.9792 R 14164



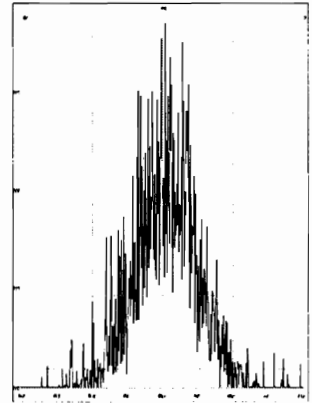
M 380.9760 R 12636



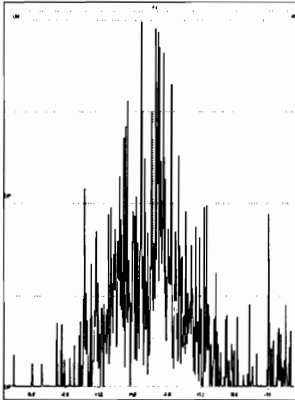
M 392.9760 R 13060



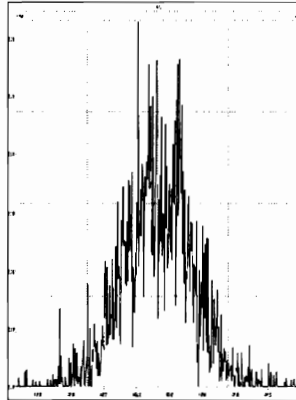
M 404.9760 R 12935



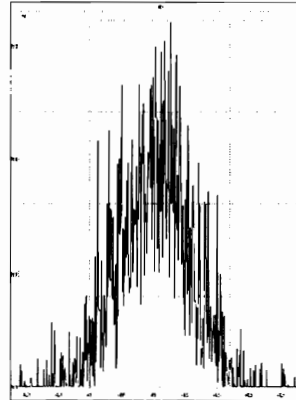
M 416.9760 R 21990



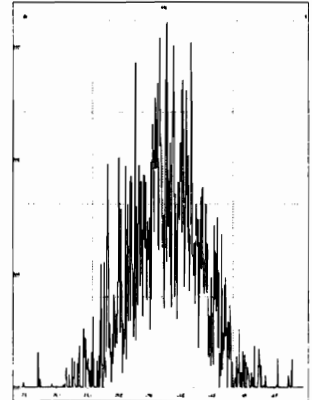
M 430.9728 R 12687



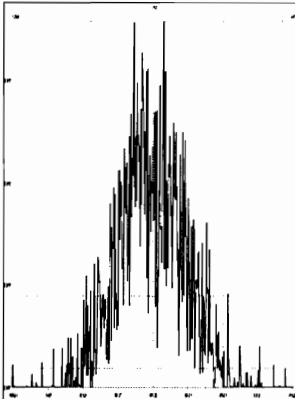
M 442.9728 R 11921



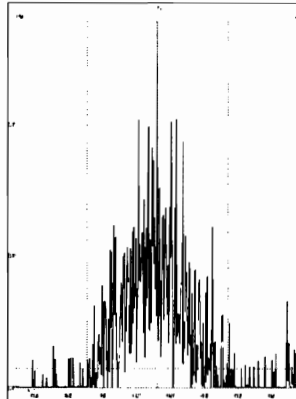
M 454.9728 R 14705



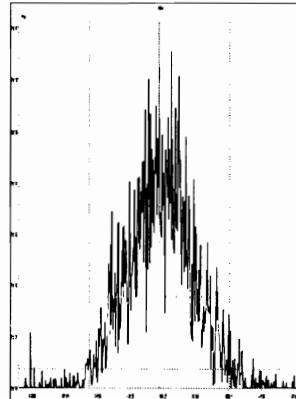
M 404.9760 R 12489



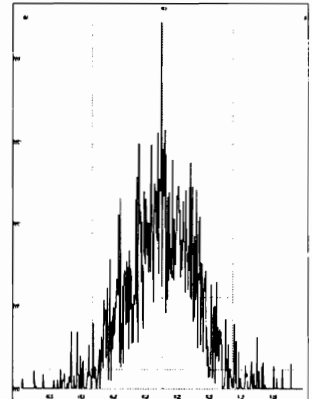
M 416.9760 R 26318



M 430.9728 R 12847

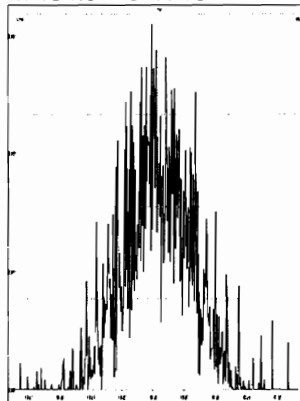


M 442.9728 R 14409

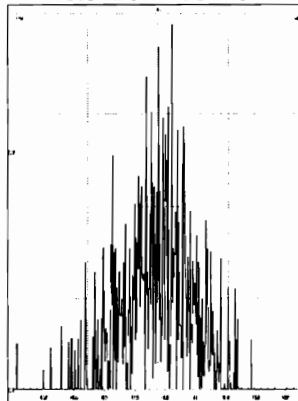


Printed: Friday, April 09, 2021 20:38:05 Pacific Daylight Time

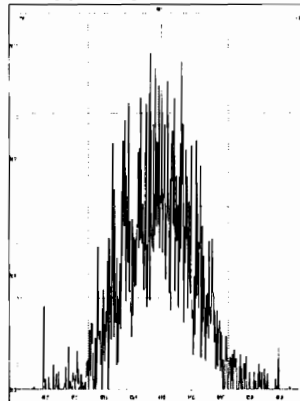
M 454.9728 R 13111



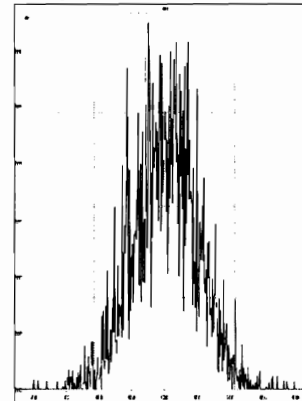
M 466.9728 R 55418



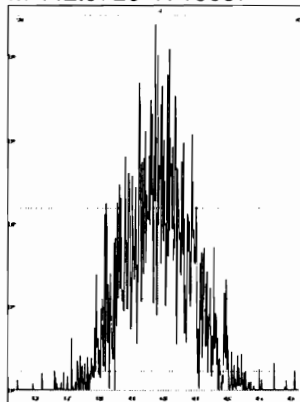
M 480.9696 R 12667



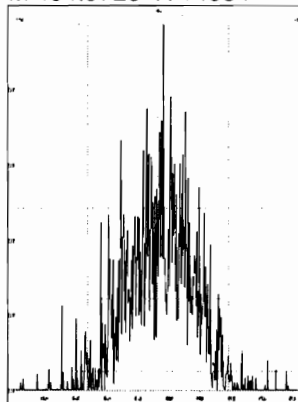
M 430.9728 R 11557



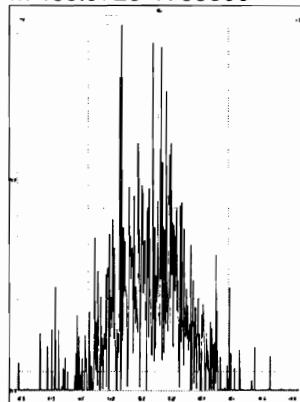
M 442.9728 R 15037



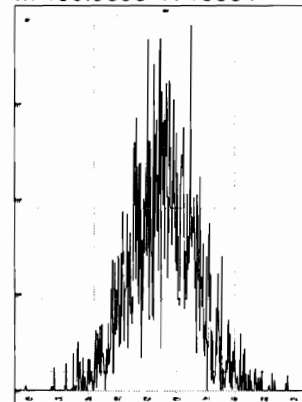
M 454.9728 R 14534



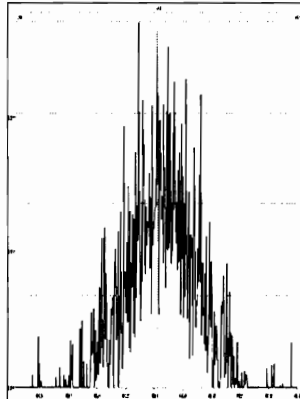
M 466.9728 R 33806



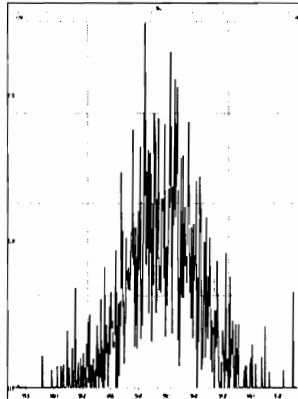
M 480.9696 R 15564



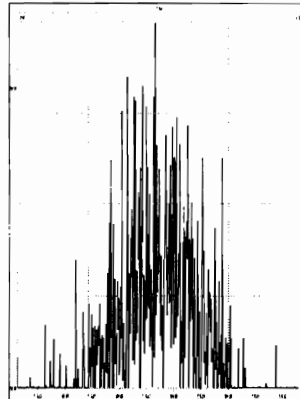
M 492.9696 R 22110



M 504.9696 R 19369



M 516.9697 R 86084



Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_1.qld

Last Altered: Tuesday, April 20, 2021 13:22:48 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:23:28 Pacific Daylight Time

*HN 04/20/21*

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	2.91e4	3.10e5	0.75	NO	0.929	26.79	26.77	NO	1.001	1.001	10.110	101	NO
2	2 1,2,3,7,8-PeCDD	1.01e5	2.32e5	0.62	NO	0.826	31.17	31.15	NO	1.001	1.000	52.496	105	NO
3	3 1,2,3,4,7,8-HxCDD	8.31e4	1.66e5	1.26	NO	0.972	34.51	34.50	NO	1.001	1.000	51.313	103	NO
4	4 1,2,3,6,7,8-HxCDD	8.20e4	1.88e5	1.28	NO	0.877	34.63	34.62	NO	1.001	1.000	49.678	99.4	NO
5	5 1,2,3,7,8,9-HxCDD	8.73e4	1.93e5	1.23	NO	0.874	34.91	34.92	NO	1.000	1.001	51.659	103	NO
6	6 1,2,3,4,6,7,8-HpCDD	7.14e4	1.60e5	1.03	NO	0.899	38.28	38.29	NO	1.000	1.001	49.543	99.1	NO
7	7 OCDD	1.15e5	2.64e5	0.87	NO	0.852	41.27	41.29	NO	1.000	1.001	102.21	102	NO
8	8 2,3,7,8-TCDF	3.56e4	5.00e5	0.74	NO	0.747	26.14	26.16	NO	1.000	1.001	9.5387	95.4	NO
9	9 1,2,3,7,8-PeCDF	1.70e5	3.66e5	1.56	NO	0.877	29.96	29.98	NO	1.000	1.001	52.973	106	NO
10	10 2,3,4,7,8-PeCDF	1.74e5	3.50e5	1.61	NO	0.962	30.99	30.99	NO	1.001	1.001	51.746	103	NO
11	11 1,2,3,4,7,8-HxCDF	1.19e5	2.51e5	1.27	NO	0.920	33.57	33.57	NO	1.000	1.000	51.344	103	NO
12	12 1,2,3,6,7,8-HxCDF	1.22e5	2.60e5	1.22	NO	0.936	33.71	33.70	NO	1.001	1.000	49.959	99.9	NO
13	13 2,3,4,6,7,8-HxCDF	1.09e5	2.25e5	1.24	NO	0.973	34.40	34.39	NO	1.001	1.000	49.844	99.7	NO
14	14 1,2,3,7,8,9-HxCDF	9.06e4	1.93e5	1.23	NO	0.940	35.46	35.48	NO	1.000	1.001	49.858	99.7	NO
15	15 1,2,3,4,6,7,8-HpCDF	8.23e4	1.56e5	1.02	NO	1.05	37.09	37.09	NO	1.000	1.001	50.265	101	NO
16	16 1,2,3,4,7,8,9-HpCDF	7.31e4	1.39e5	1.02	NO	1.05	38.94	38.94	NO	1.000	1.000	50.239	100	NO
17	17 OCDF	1.22e5	3.19e5	0.85	NO	0.771	41.61	41.60	NO	1.000	1.000	98.970	99.0	NO
18	18 13C-2,3,7,8-TCDD	3.10e5	3.09e5	0.79	NO	1.10	26.75	26.75	NO	1.027	1.027	90.823	90.8	NO
19	19 13C-1,2,3,7,8-PeCDD	2.32e5	3.09e5	0.62	NO	0.864	31.14	31.14	NO	1.196	1.195	87.081	87.1	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.66e5	2.42e5	1.27	NO	0.746	34.49	34.49	NO	1.014	1.014	92.225	92.2	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.88e5	2.42e5	1.27	NO	0.847	34.60	34.61	NO	1.017	1.018	91.894	91.9	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.93e5	2.42e5	1.25	NO	0.868	34.90	34.90	NO	1.026	1.026	92.082	92.1	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.60e5	2.42e5	1.03	NO	0.664	38.25	38.27	NO	1.125	1.125	99.836	99.8	NO
24	24 13C-OCDD	2.64e5	2.42e5	0.90	NO	0.561	41.20	41.26	NO	1.211	1.213	194.86	97.4	NO
25	25 13C-2,3,7,8-TCDF	5.00e5	4.53e5	0.78	NO	1.09	26.13	26.13	NO	1.003	1.003	100.79	101	NO
26	26 13C-1,2,3,7,8-PeCDF	3.66e5	4.53e5	1.65	NO	0.809	29.87	29.96	NO	1.147	1.150	99.606	99.6	NO
27	27 13C-2,3,4,7,8-PeCDF	3.50e5	4.53e5	1.63	NO	0.803	30.83	30.97	NO	1.184	1.189	96.172	96.2	NO
28	28 13C-1,2,3,4,7,8-HxCDF	2.51e5	2.42e5	0.50	NO	1.01	33.56	33.56	NO	0.987	0.986	102.78	103	NO
29	29 13C-1,2,3,6,7,8-HxCDF	2.60e5	2.42e5	0.51	NO	1.07	33.69	33.69	NO	0.990	0.990	100.06	100	NO
30	30 13C-2,3,4,6,7,8-HxCDF	2.25e5	2.42e5	0.48	NO	0.910	34.38	34.38	NO	1.011	1.011	102.36	102	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.93e5	2.42e5	0.51	NO	0.828	35.45	35.45	NO	1.042	1.042	96.514	96.5	NO

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_1.qld

Last Altered: Tuesday, April 20, 2021 13:22:48 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:23:28 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.56e5	2.42e5	0.42	NO	0.661	37.06	37.07	NO	1.090	1.090	97.759	97.8	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.39e5	2.42e5	0.42	NO	0.566	38.83	38.93	NO	1.141	1.144	101.71	102	NO
34	34 13C-OCDF	3.19e5	2.42e5	0.89	NO	0.663	41.59	41.60	NO	1.223	1.223	198.91	99.5	NO
35	35 37Cl-2,3,7,8-TCDD	5.70e4	3.09e5			2.07	26.95	26.77	NO	1.035	1.028	8.9196	89.2	NO
36	36 13C-1,2,3,4-TCDD	3.09e5	3.09e5	0.78	NO	1.00	26.07	26.05	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	4.53e5	4.53e5	0.80	NO	1.00	24.76	24.73	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	2.42e5	2.42e5	0.50	NO	1.00	34.04	34.02	NO	1.000	1.000	100.00	100	YES

ok

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 13:27:32 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:27:48 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210419R2_1	ST210419R2-1 1613 CS3 21C0105	19-Apr-21	16:38:20
2	210419R2_2	SOLVENT BLANK	19-Apr-21	17:26:26
3	210419R2_3	B1D0075-BLK1 Method Blank 10	19-Apr-21	18:10:44
4	210419R2_4	B1D0087-BLK1 Method Blank 1	19-Apr-21	18:54:58
5	210419R2_5	2103219-02RE1 USMPDI-068RAB-10-20-210...	19-Apr-21	19:39:12
6	210419R2_6	B1D0075-DUP2 Duplicate 13.61	19-Apr-21	20:23:27



Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_CPSM.qld

Last Altered: Monday, April 19, 2021 17:25:26 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:23:48 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 17 Apr 2021 09:05:16

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1,3,6,8-TCDD (First)	23.37
2	1,2,8,9-TCDD (Last)	27.60
3	1,2,4,7,9-PeCDD (First)	29.00
4	1,2,3,8,9-PeCDD (Last)	31.50
5	1,2,4,6,7,9-HxCDD (First)	32.77
6	1,2,3,7,8,9-HxCDD (Last)	34.92
7	1,2,3,4,6,7,9-HpCDD (First)	37.41
8	1,2,3,4,6,7,8-HpCDD (Last)	38.29
9	1,3,6,8-TCDF (First)	21.27
10	1,2,8,9-TCDF (Last)	27.91
11	1,3,4,6,8-PeCDF (First)	27.45
12	1,2,3,8,9-PeCDF (Last)	31.86
13	1,2,3,4,6,8-HxCDF (First)	32.24
14	1,2,3,7,8,9-HxCDF (Last)	35.48
15	1,2,3,4,6,7,8-HpCDF (First)	37.09
16	1,2,3,4,7,8,9-HpCDF (Last)	38.94

**HRMS CALIBRATION STANDARDS REVIEW CHECKLIST**

Beg. Calibration ID: ST210419R2-1

Reviewed By: DFO 4/26/21

*Initials & Date*

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>HIN</u>	<u>NA</u>
<b>Run Log:</b>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<u>(Y)</u>	N
- Bottle position verified?	<u>HIN</u>	

Mass resolution  $\geq$

5k    6-8K    8K    10K

1614   1699   429   1613/1668/8280

Intergrated peaks display correctly?   NA

GC Break <20%  NA

**8280 CS1 End Standard:**

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

**Comments:**

Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_CPSM.qld

Last Altered: Monday, April 19, 2021 17:25:26 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:23:48 Pacific Daylight Time

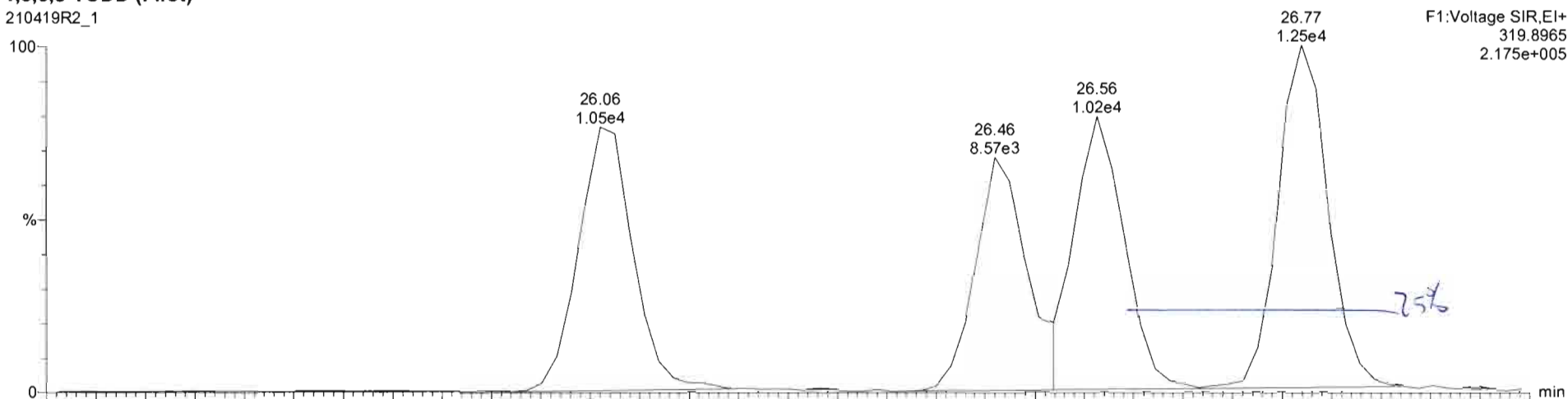
HN 04/20/21

Method: U:\VG12.PRO\MethDB\CPSM.mdb 17 Apr 2021 09:05:16  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

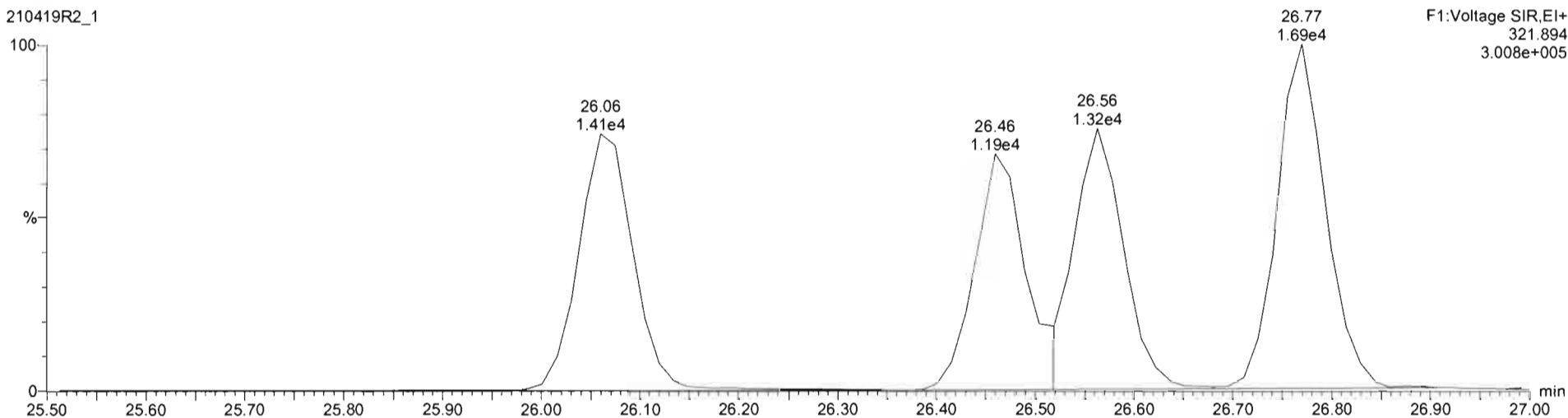
Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210419R2\_1



210419R2\_1



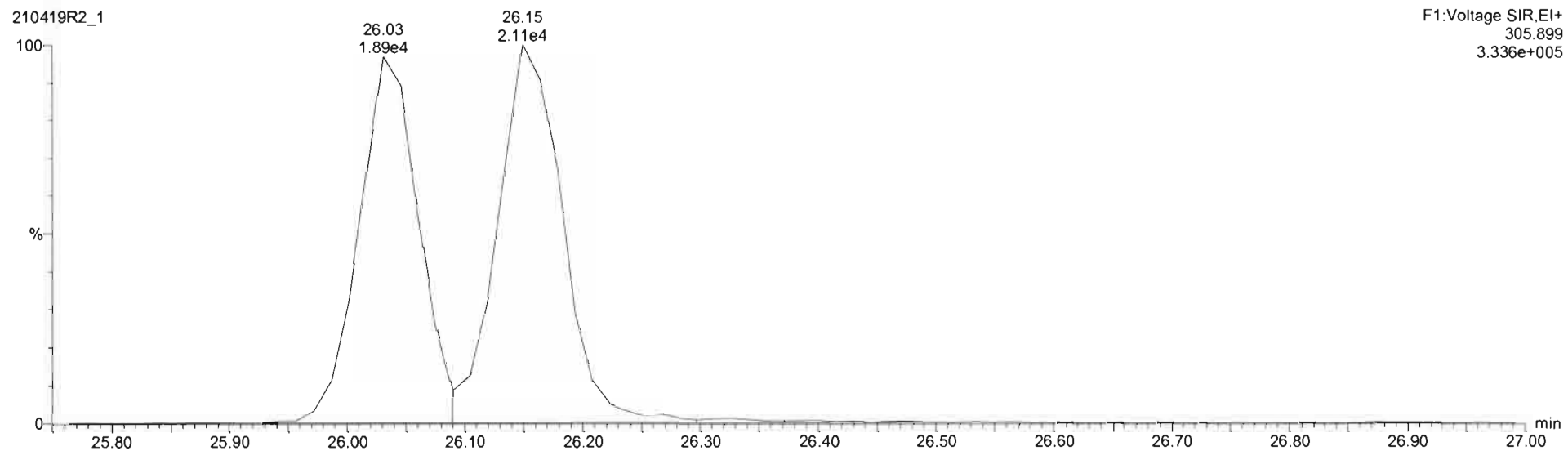
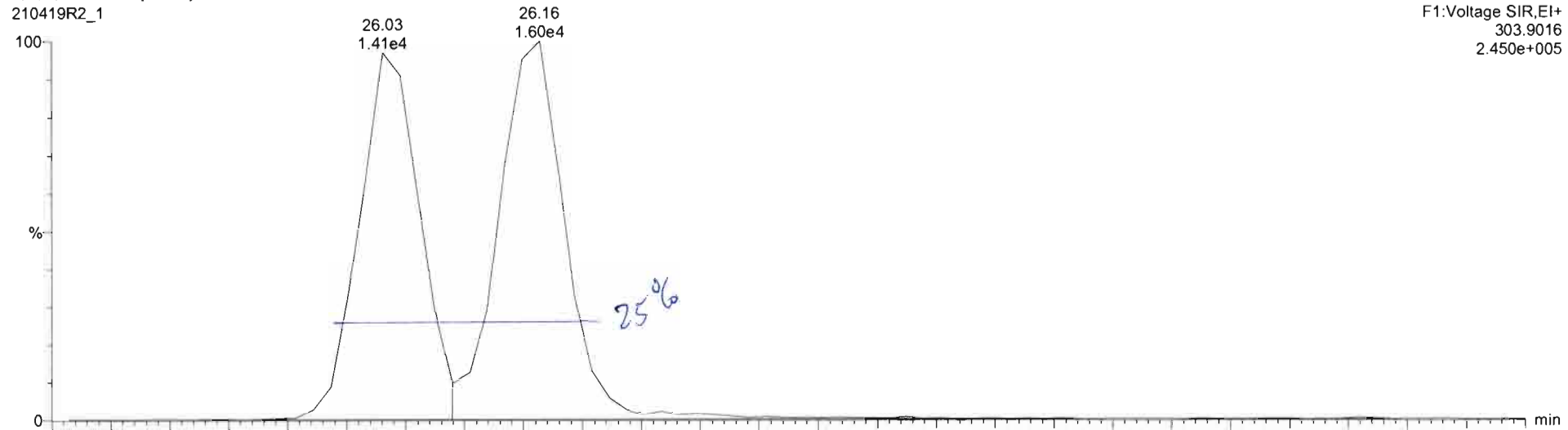
Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_CPSM.qld

Last Altered: Monday, April 19, 2021 17:25:26 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:23:48 Pacific Daylight Time

*WIK 04/20/21*

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

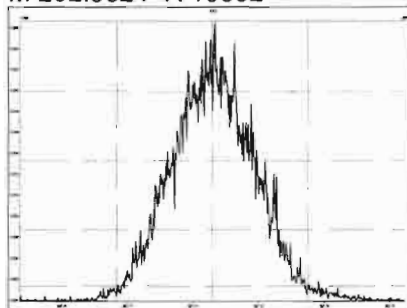
1,3,6,8-TCDF (First)



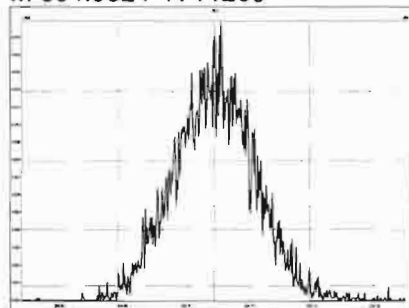
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, April 19, 2021 16:29:38 Pacific Daylight Time

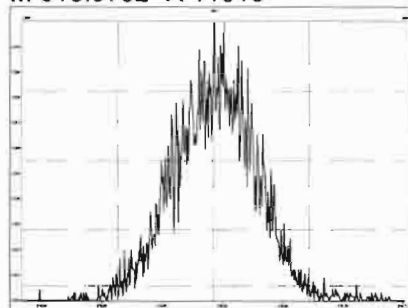
M 292.9824 R 10332



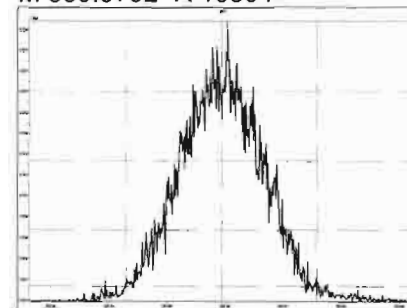
M 304.9824 R 11260



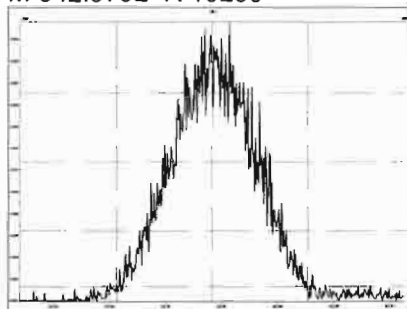
M 318.9792 R 11010



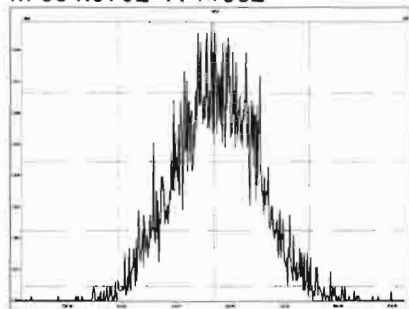
M 330.9792 R 10504



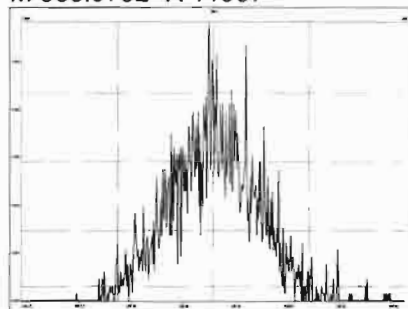
M 342.9792 R 10290



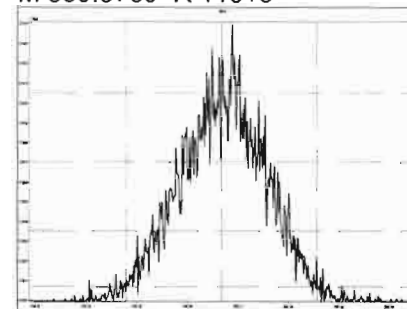
M 354.9792 R 11062



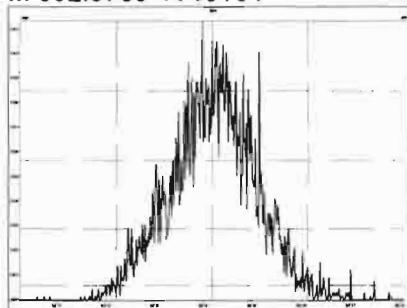
M 366.9792 R 11907



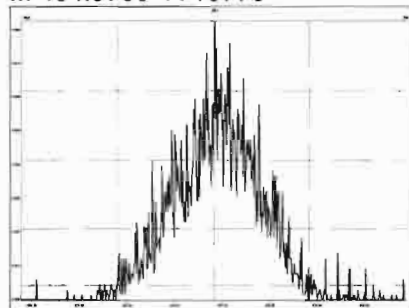
M 380.9760 R 11013



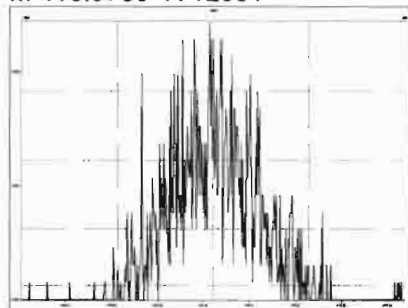
M 392.9760 R 10164



M 404.9760 R 10776



M 416.9760 R 12951



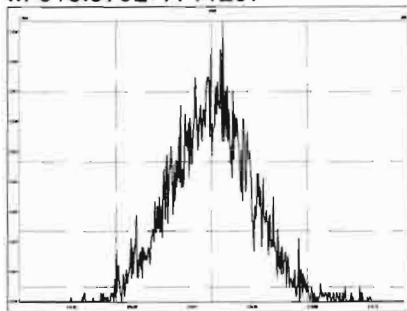
Experiment Calibration Report

MassLynx 4.1 SCN815

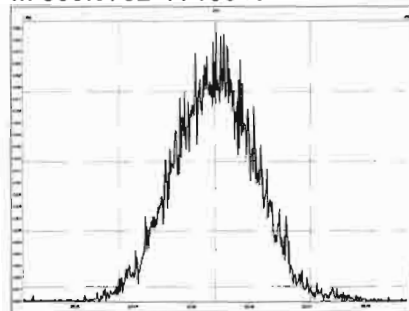
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, April 19, 2021 16:30:33 Pacific Daylight Time

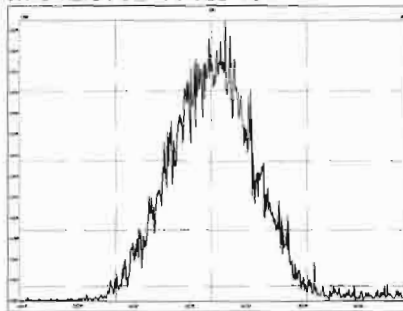
M 318.9792 R 11207



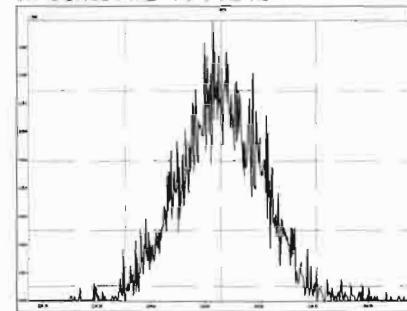
M 330.9792 R 10548



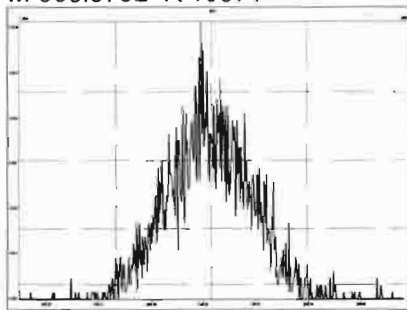
M 342.9792 R 10248



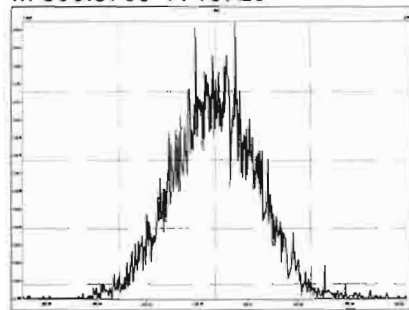
M 354.9792 R 11210



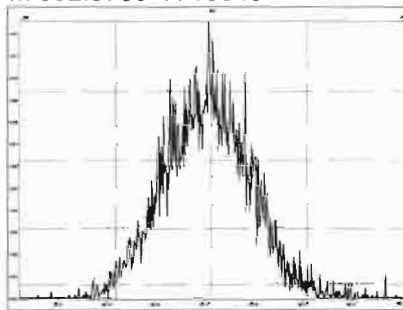
M 366.9792 R 10371



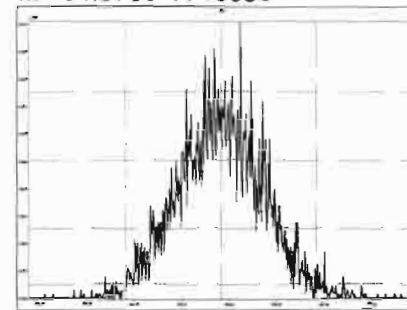
M 380.9760 R 10729



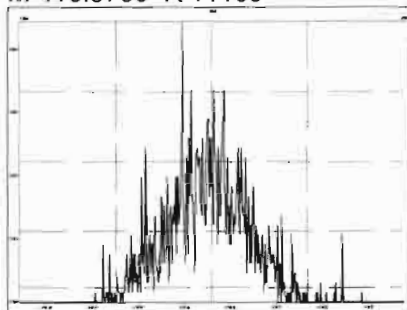
M 392.9760 R 10640



M 404.9760 R 10683



M 416.9760 R 11109



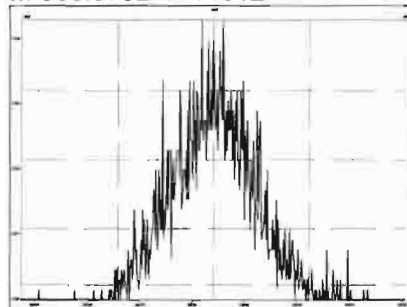
Experiment Calibration Report

MassLynx 4.1 SCN815

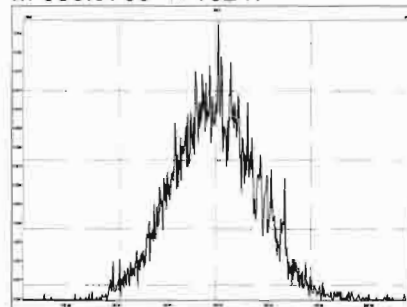
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, April 19, 2021 16:32:50 Pacific Daylight Time

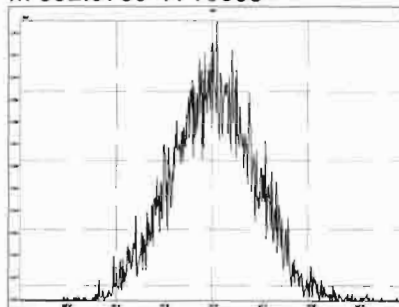
M 366.9792 R 11012



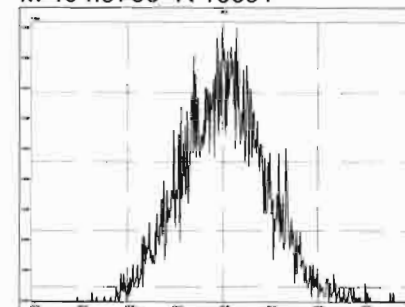
M 380.9760 R 10247



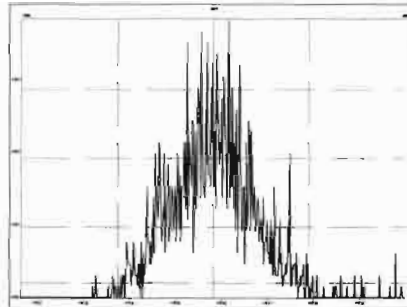
M 392.9760 R 10638



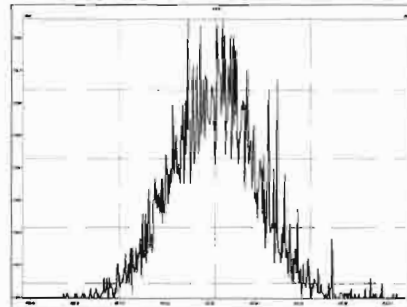
M 404.9760 R 10591



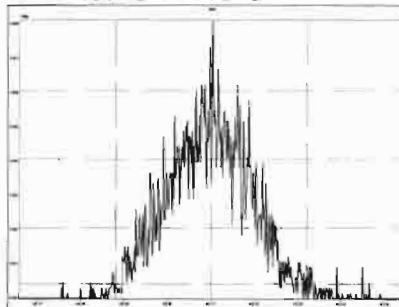
M 416.9760 R 11632



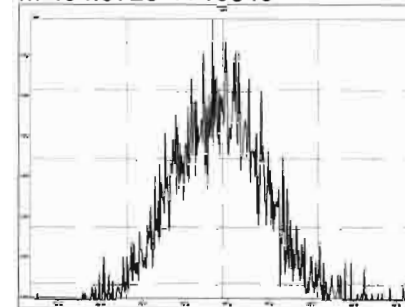
M 430.9728 R 11361



M 442.9728 R 11013



M 454.9728 R 10640



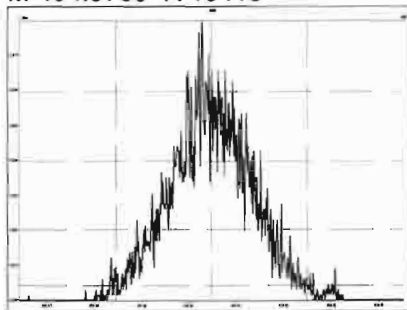
Experiment Calibration Report

MassLynx 4.1 SCN815

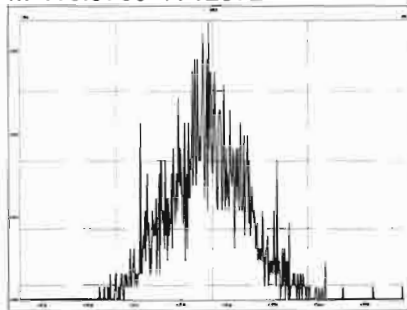
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, April 19, 2021 16:33:42 Pacific Daylight Time

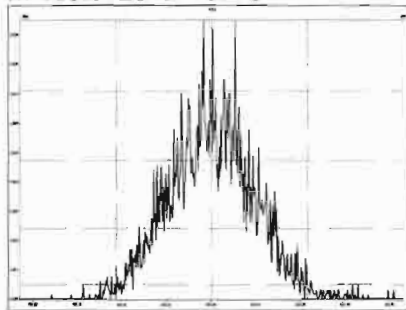
M 404.9760 R 10415



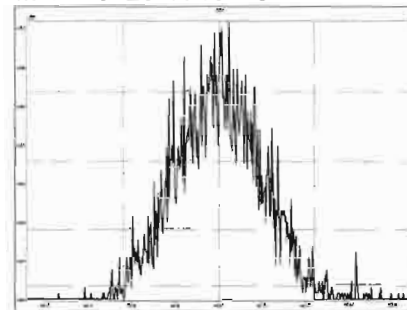
M 416.9760 R 12372



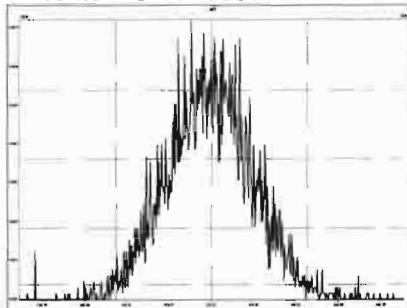
M 430.9728 R 10778



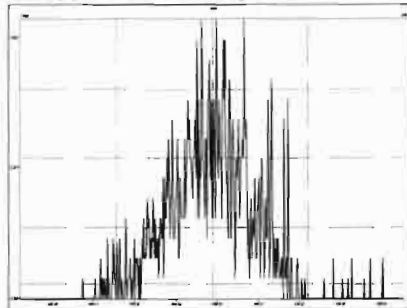
M 442.9728 R 10159



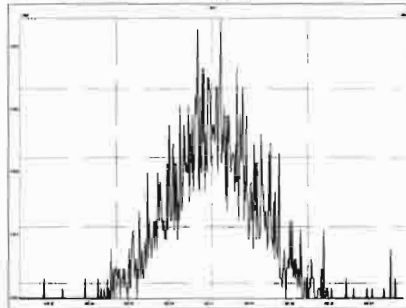
M 454.9728 R 10503



M 466.9728 R 13294



M 480.9696 R 11061





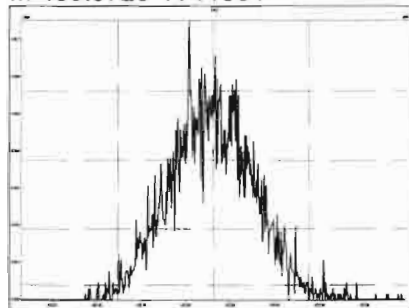
Experiment Calibration Report

MassLynx 4.1 SCN815

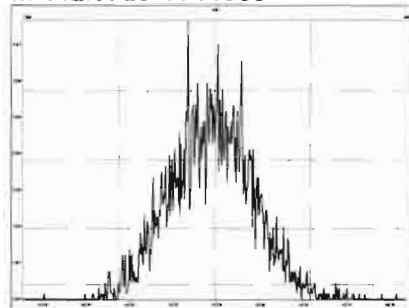
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, April 19, 2021 16:34:36 Pacific Daylight Time

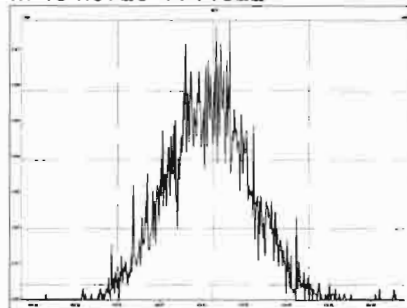
M 430.9728 R 11364



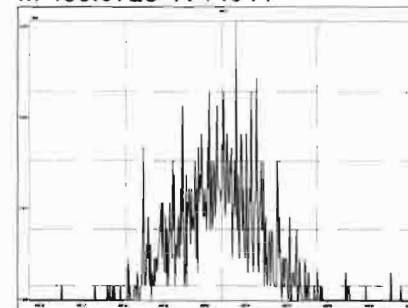
M 442.9728 R 11363



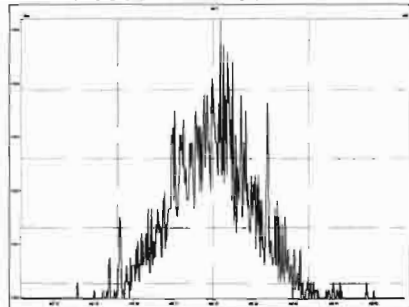
M 454.9728 R 11522



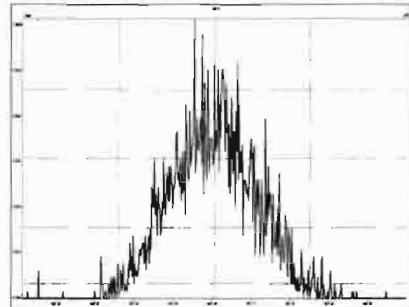
M 466.9728 R 14044



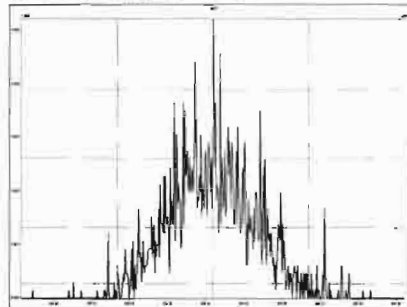
M 480.9696 R 11790



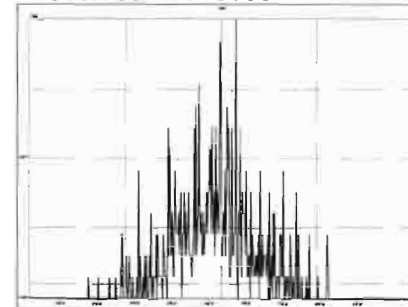
M 492.9696 R 10416



M 504.9696 R 12197



M 516.9697 R 15056



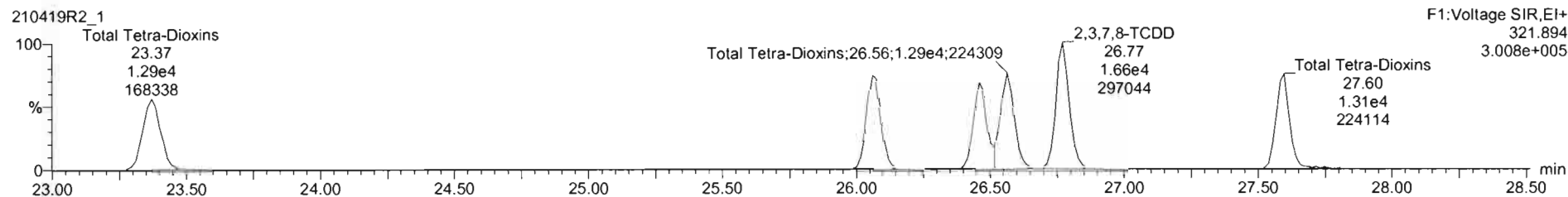
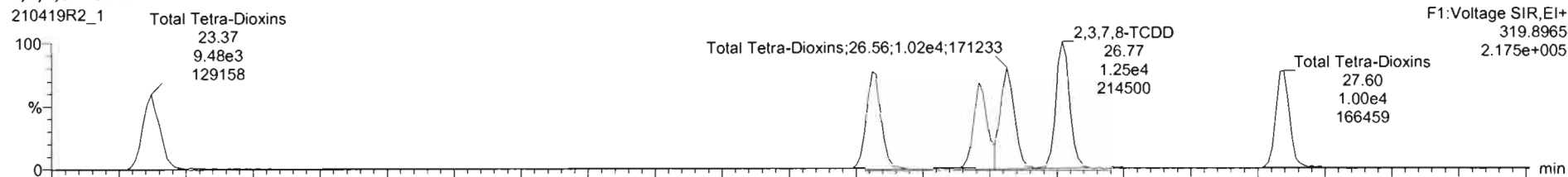
Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_1.qld

Last Altered: Monday, April 19, 2021 17:22:51 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

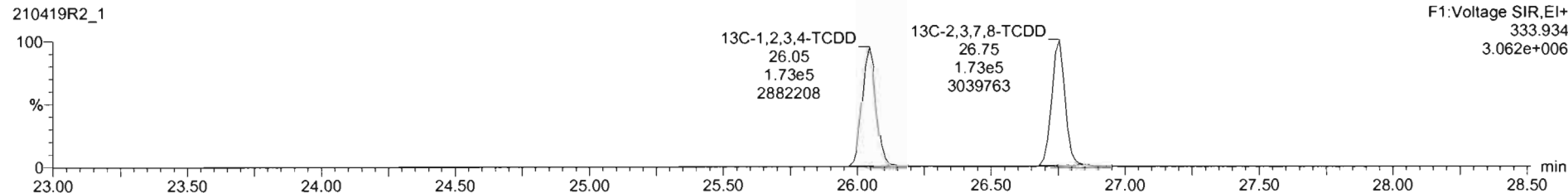
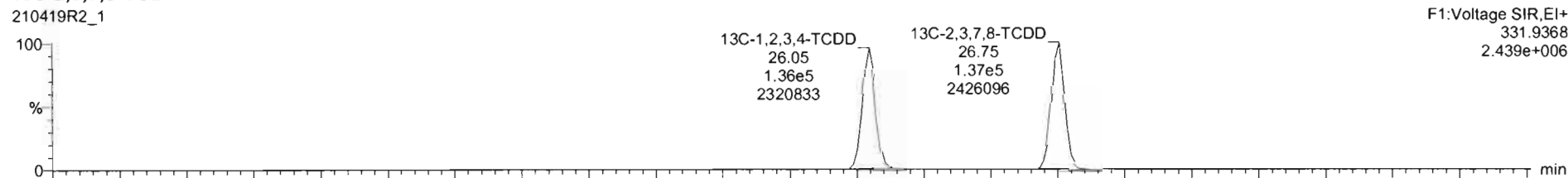
Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39  
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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



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



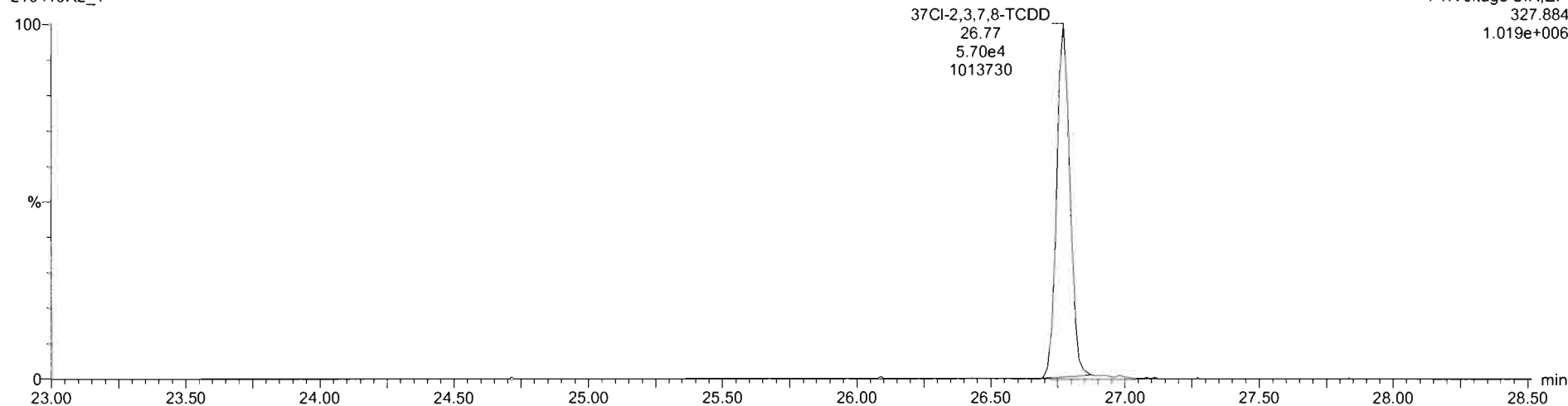
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Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

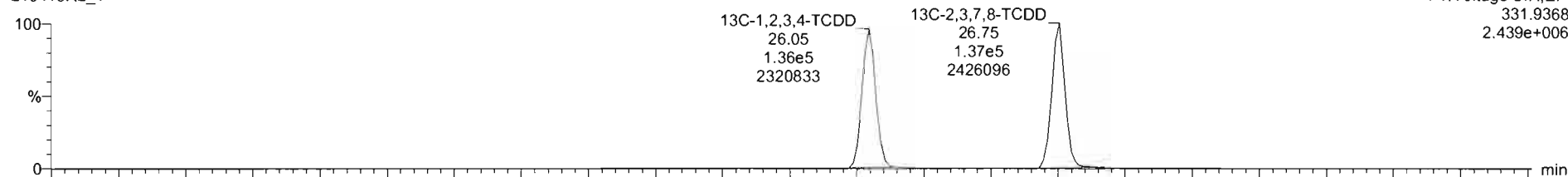
**37Cl-2,3,7,8-TCDD**

210419R2\_1

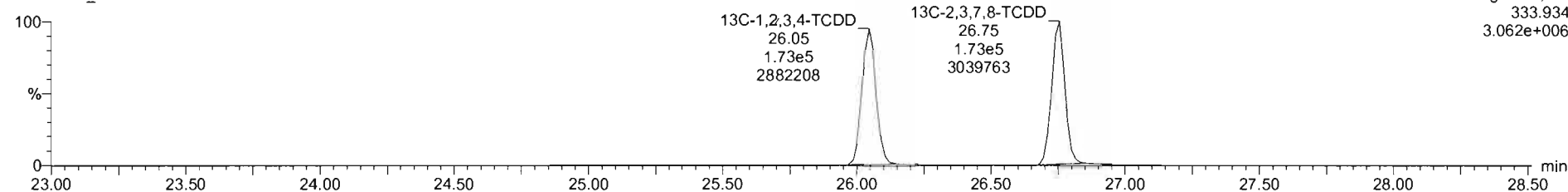


**13C-1,2,3,4-TCDD**

210419R2\_1



210419R2\_1

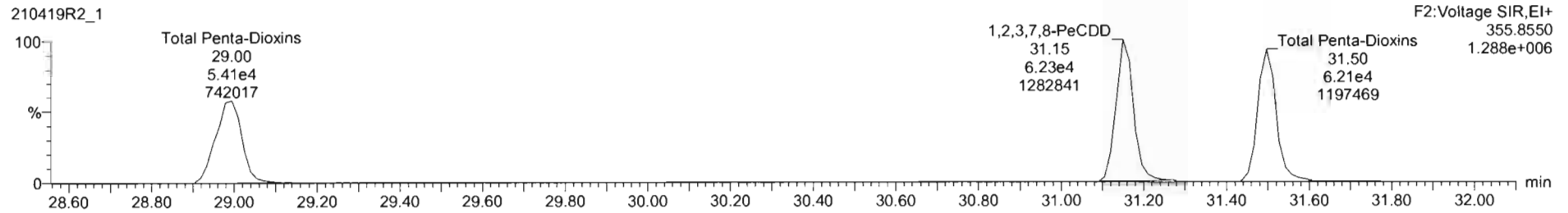
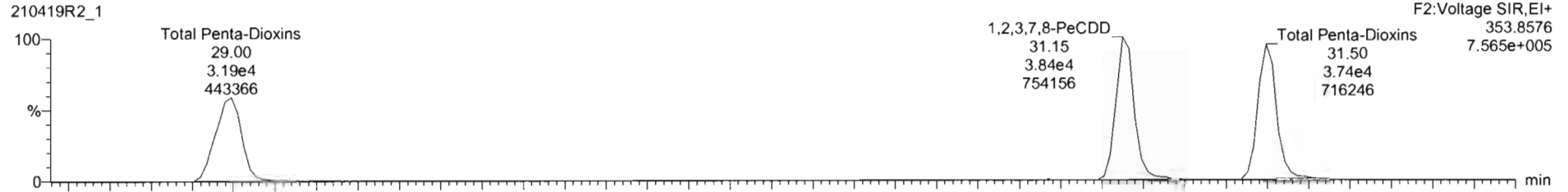


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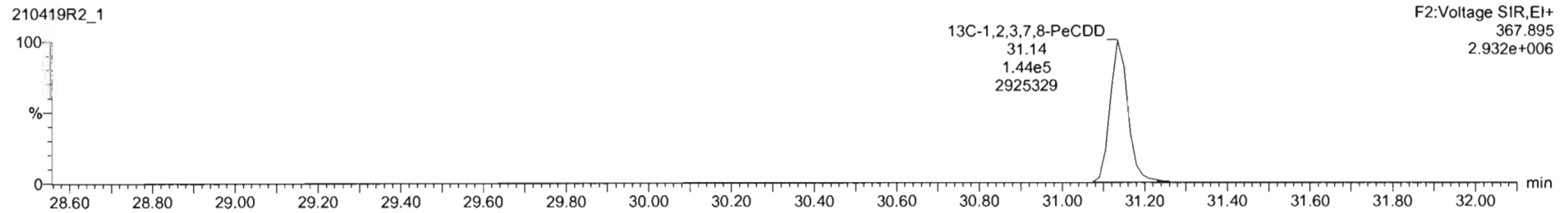
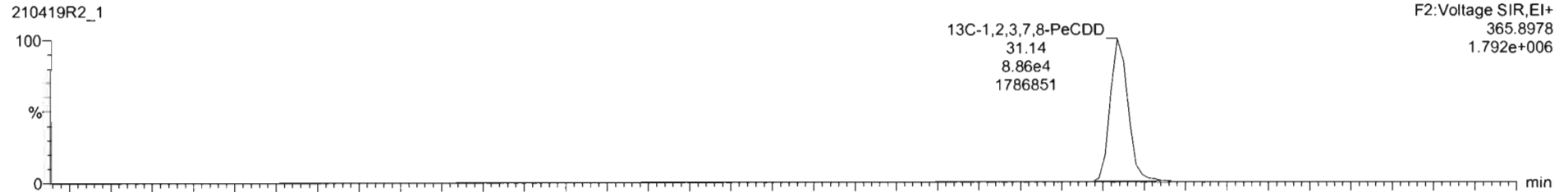
Last Altered: Monday, April 19, 2021 17:22:51 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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



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



Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_1.qld

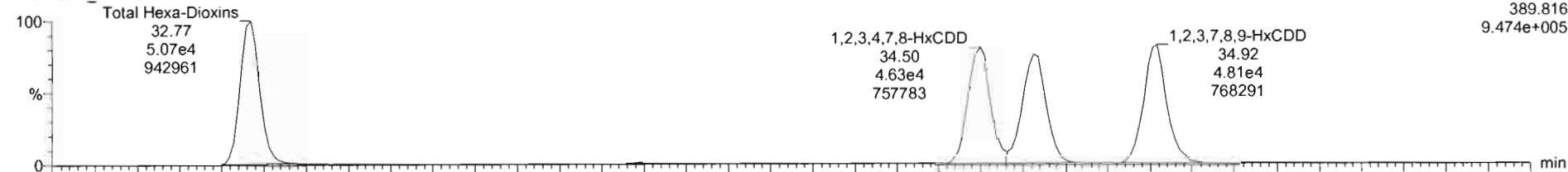
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Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

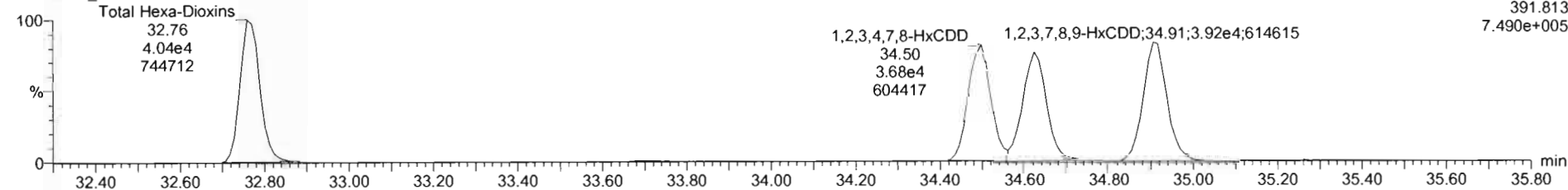
Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

210419R2\_1

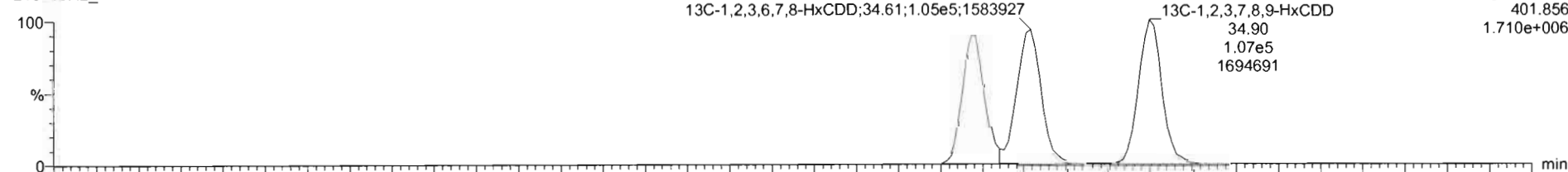


210419R2\_1

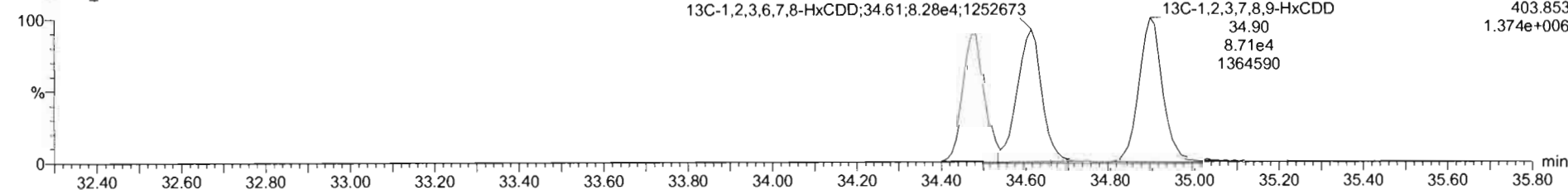


13C-1,2,3,4,7,8-HxCDD

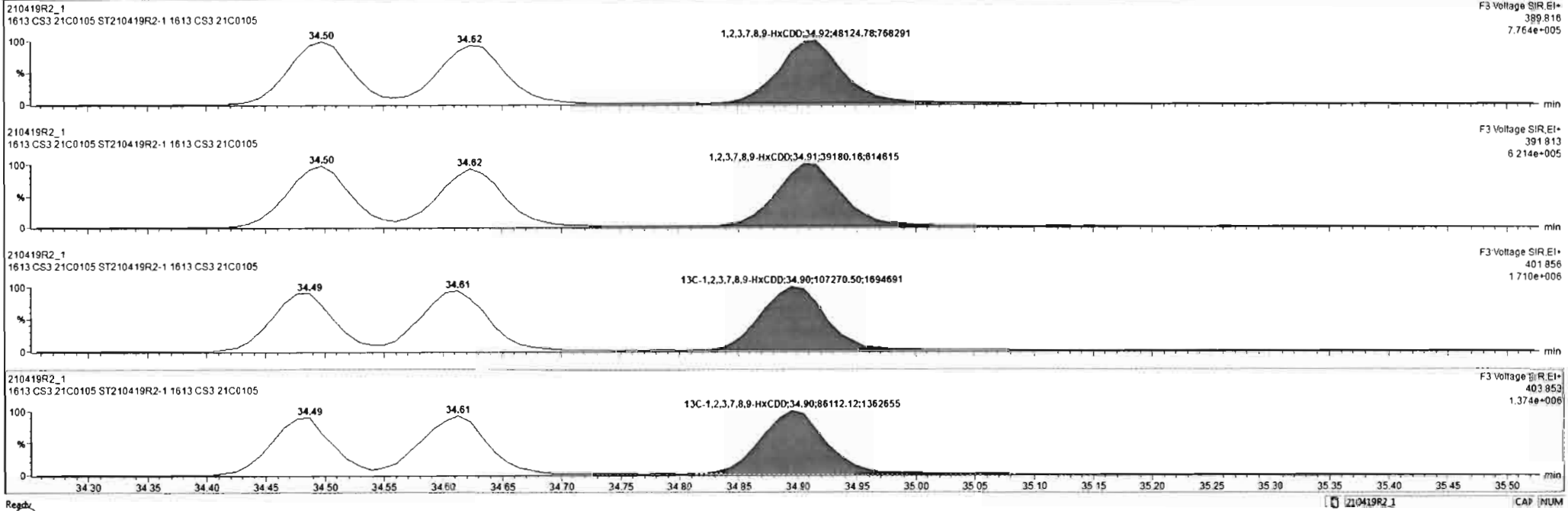
210419R2\_1



210419R2\_1



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	2.91e4	3.10e5	0.77	0.75	NO	0.9291	26.79	26.77	NO	1.001	1.001	10.1	101	NO
2	1,2,3,7,8-PeCDD	1.01e5	2.32e5	0.63	0.62	NO	0.8257	31.17	31.15	NO	1.001	1.000	52.5	105	NO
3	1,2,3,4,7,8-HxCDD	8.31e4	1.66e5	1.24	1.26	NO	0.8725	34.51	34.50	NO	1.001	1.000	51.3	103	NO
4	1,2,3,6,7,8-HxCDD	8.20e4	1.88e5	1.24	1.28	NO	0.8771	34.63	34.62	NO	1.001	1.000	49.7	99.4	NO
5	1,2,3,7,8,9-HxCDD	8.73e4	1.83e5	1.24	1.23	NO	0.8739	34.91	34.82	NO	1.000	1.001	51.7	103	NO
6	1,2,3,4,6,7,8-HpCDD	7.14e4	1.80e5	1.04	1.03	NO	0.8987	38.28	38.29	NO	1.000	1.001	48.5	99.1	NO
7	OCDD	1.15e5	2.64e5	0.89	0.87	NO	0.8524	41.27	41.29	NO	1.000	1.001	102	102	NO
8	2,3,7,8-TCDF	3.56e4	5.00e5	0.77	0.74	NO	0.7466	26.14	26.16	NO	1.000	1.001	9.54	95.4	NO
9	1,2,3,7,8-PeCDF	1.70e5	3.66e5	1.55	1.56	NO	0.8771	29.96	29.98	NO	1.000	1.001	53.0	106	NO
10	2,3,4,7,8-PeCDF	1.74e5	3.50e5	1.55	1.61	NO	0.9621	30.99	30.99	NO	1.001	1.001	51.7	103	NO
11	1,2,3,4,7,8-HxCDF	1.19e5	2.51e5	1.24	1.27	NO	0.9202	33.57	33.57	NO	1.000	1.000	51.3	103	NO
12	1,2,3,6,7,8-HxCDF	1.22e5	2.60e5	1.24	1.22	NO	0.9363	33.71	33.70	NO	1.001	1.000	50.0	99.9	NO
13	2,3,4,6,7,8-HxCDF	1.09e5	2.25e5	1.24	1.24	NO	0.8725	34.40	34.39	NO	1.001	1.000	49.8	99.7	NO
14	1,2,3,7,8,9-HxCDF	9.06e4	1.93e5	1.24	1.23	NO	0.9396	35.46	35.48	NO	1.000	1.001	49.9	99.7	NO
15	1,2,3,4,6,7,8-HpCDF	8.23e4	1.56e5	1.04	1.02	NO	1.0481	37.09	37.09	NO	1.000	1.001	50.3	101	NO
16	1,2,3,4,7,8,9-HpCDF	7.31e4	1.39e5	1.04	1.02	NO	1.0453	38.94	38.94	NO	1.000	1.000	50.2	100	NO
17	OCDF	1.22e5	3.19e5	0.89	0.85	NO	0.7712	41.61	41.60	NO	1.000	1.000	99.0	99.0	NO



Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_1.qld

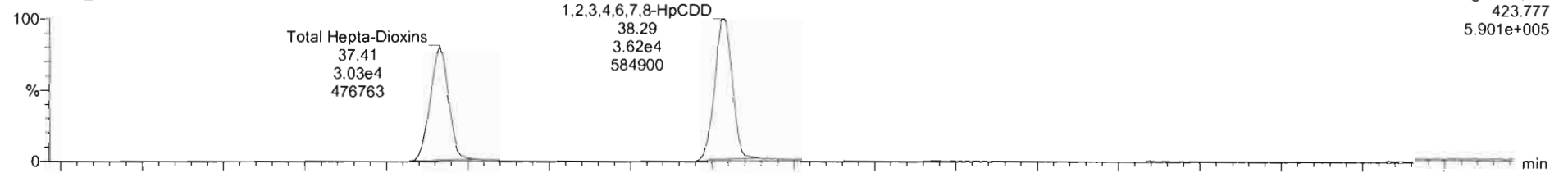
Last Altered: Monday, April 19, 2021 17:22:51 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

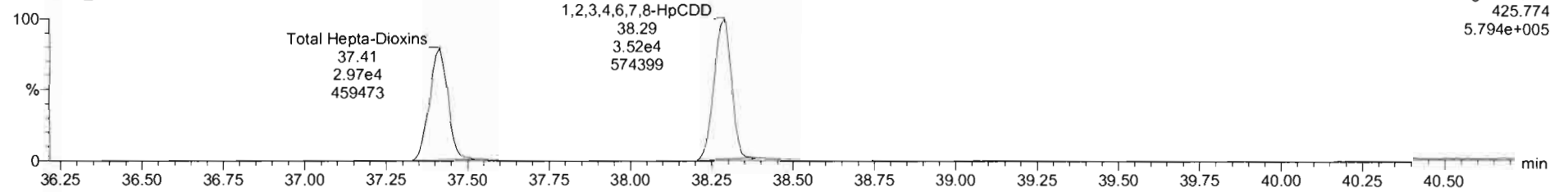
Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

210419R2\_1

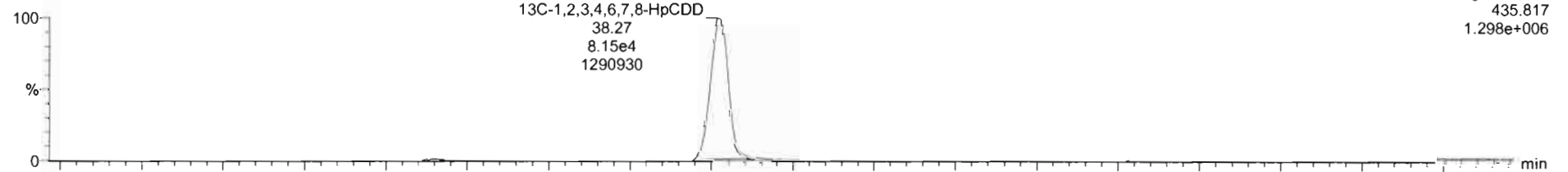


210419R2\_1

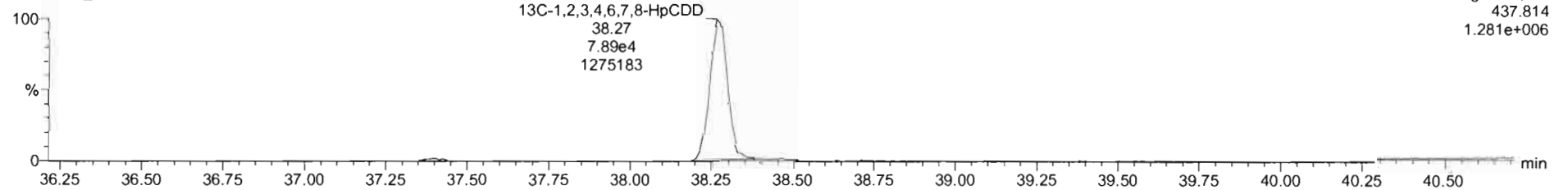


**13C-1,2,3,4,6,7,8-HpCDD**

210419R2\_1



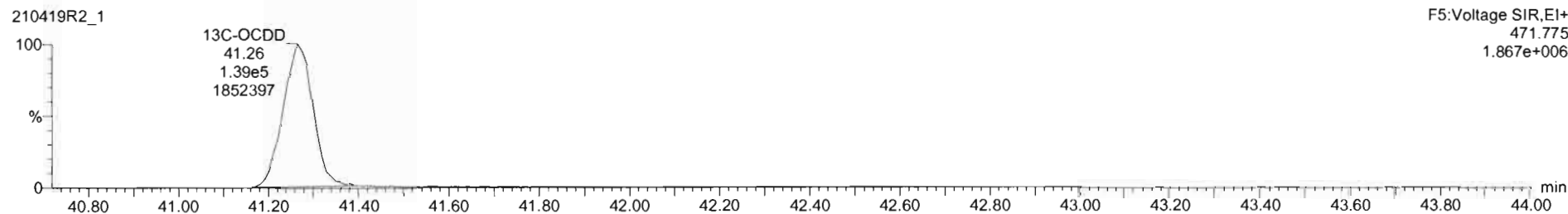
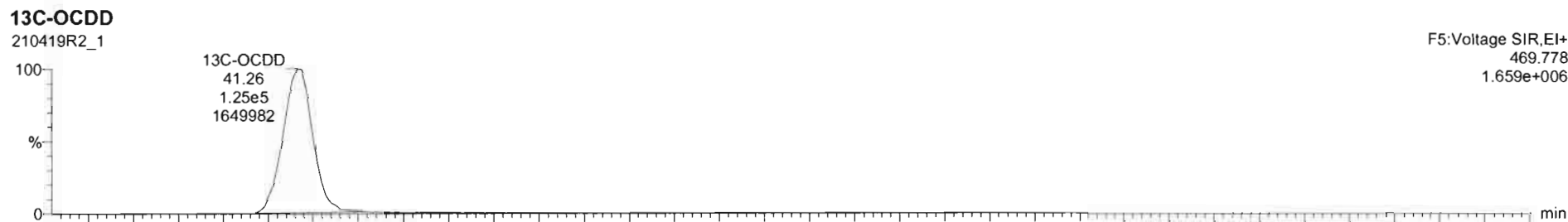
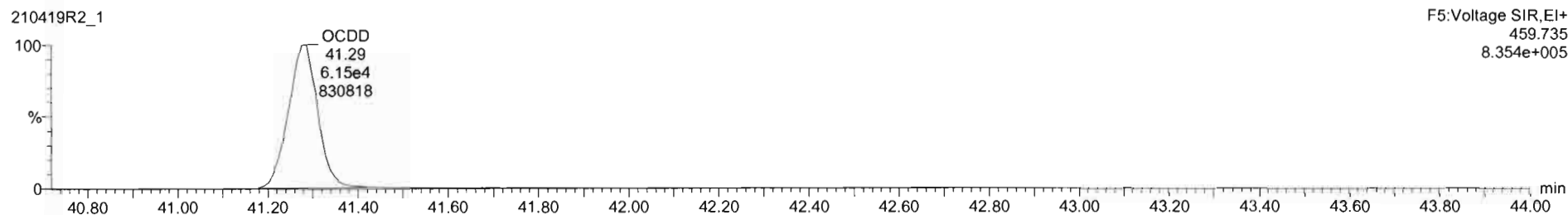
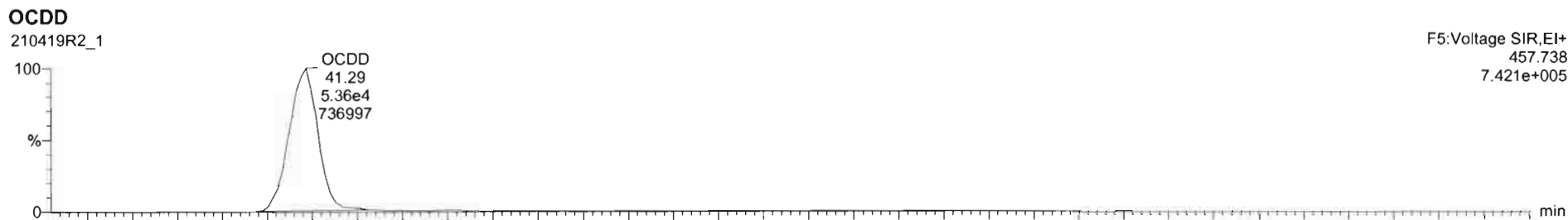
210419R2\_1



Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_1.qld

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Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105



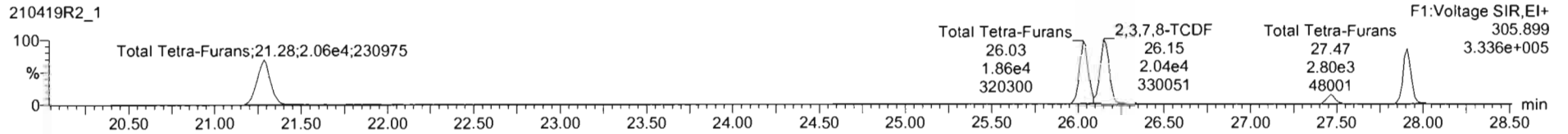
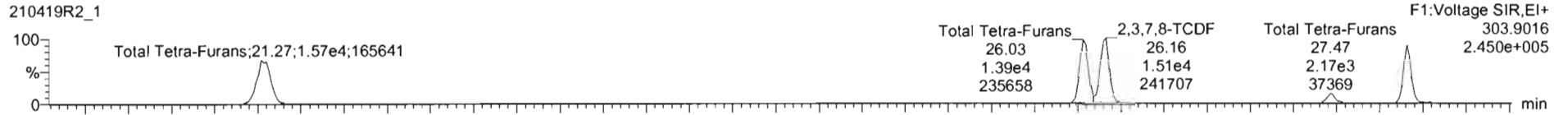


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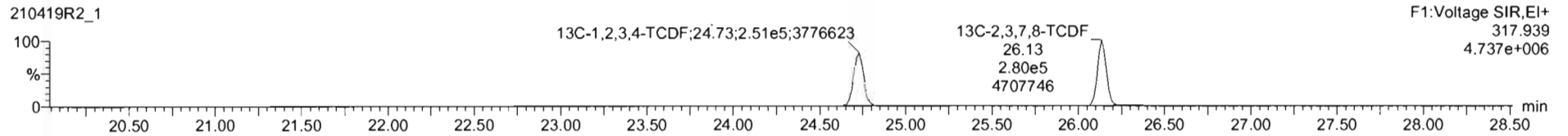
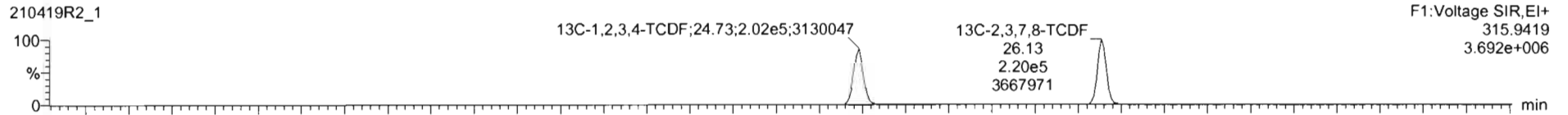
Last Altered: Monday, April 19, 2021 17:22:51 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

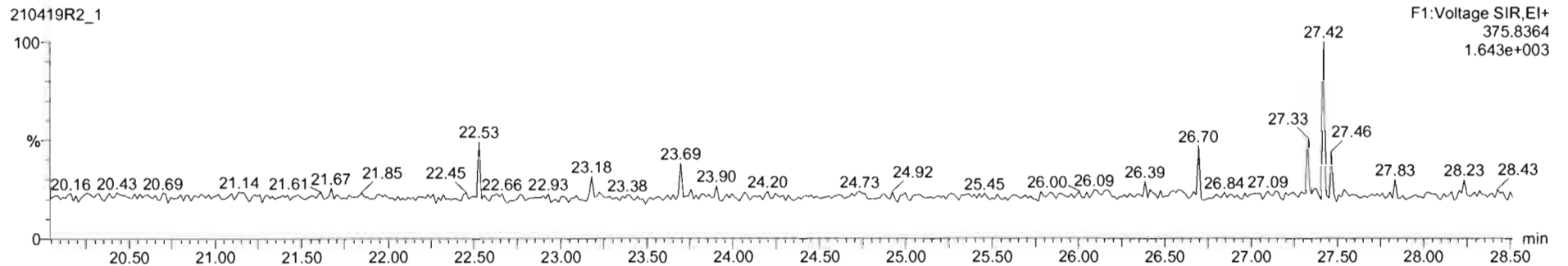
**2,3,7,8-TCDF**



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



**DPE1**



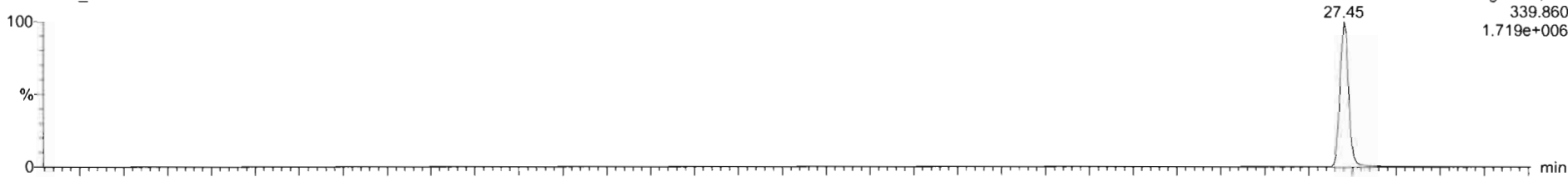
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Last Altered: Monday, April 19, 2021 17:22:51 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

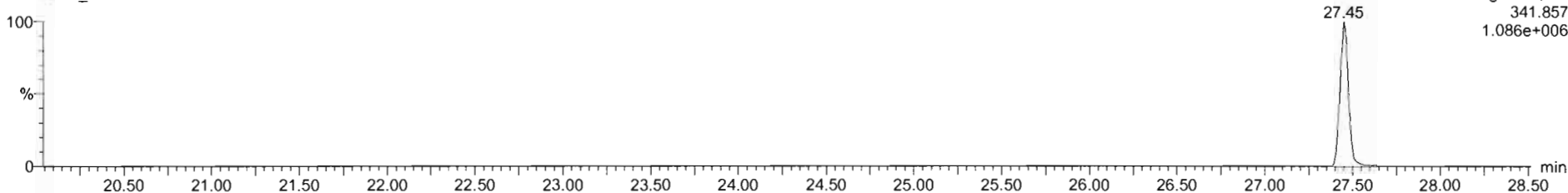
Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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210419R2\_1

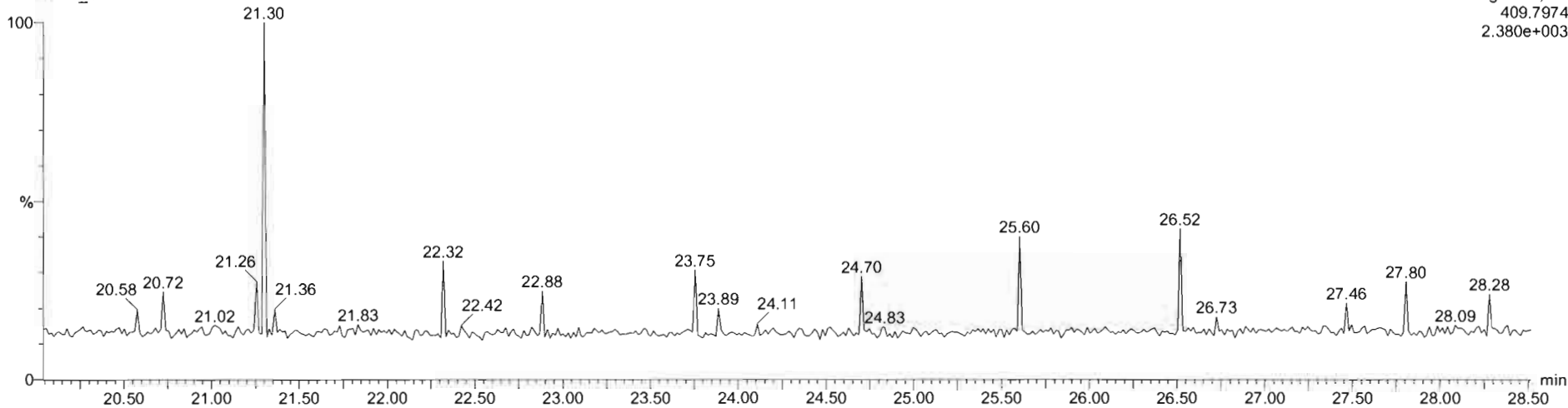


210419R2\_1



DPE6

210419R2\_1



Dataset: U:\VG12.PRO\Results\210419R2\210419R2\_1.qld

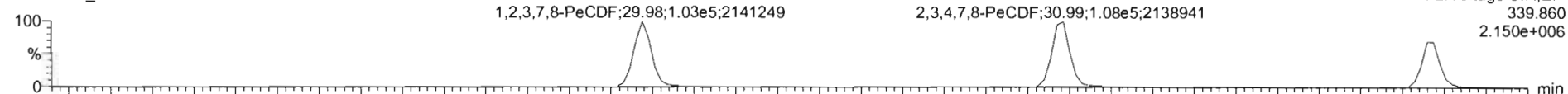
Last Altered: Monday, April 19, 2021 17:22:51 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

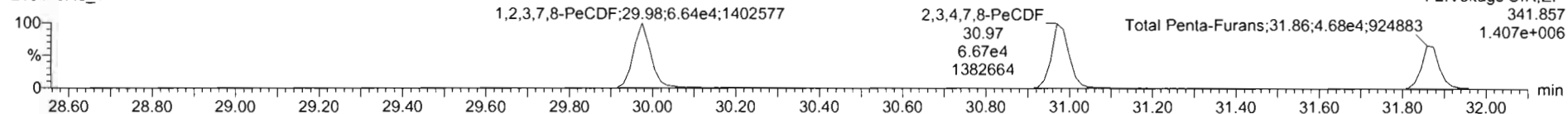
Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

210419R2\_1

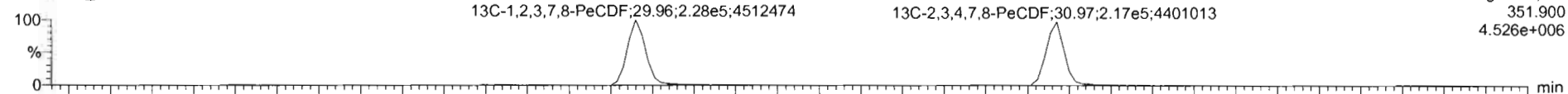


210419R2\_1

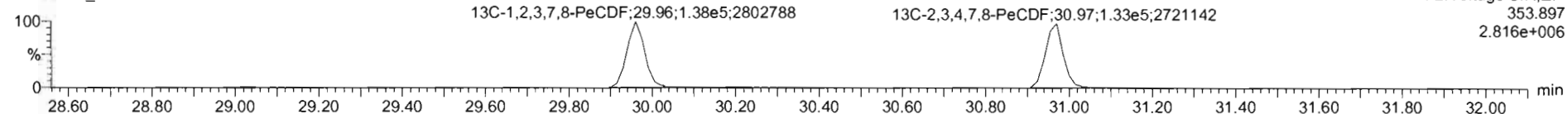


**13C-1,2,3,7,8-PeCDF**

210419R2\_1

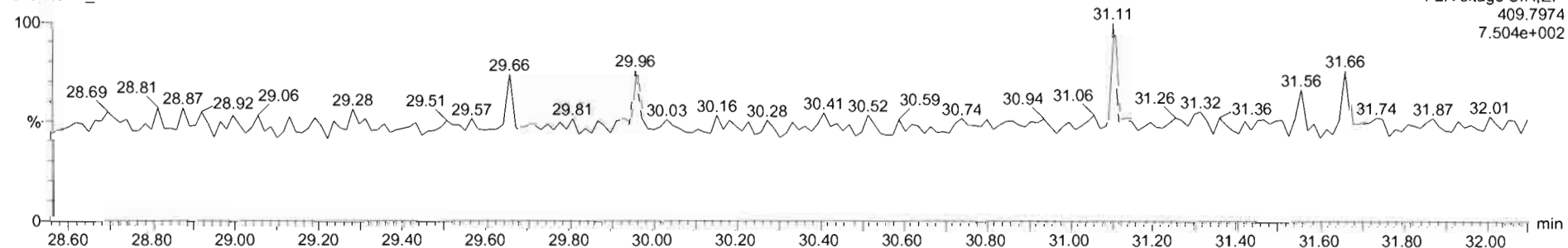


210419R2\_1



**DPE2**

210419R2\_1

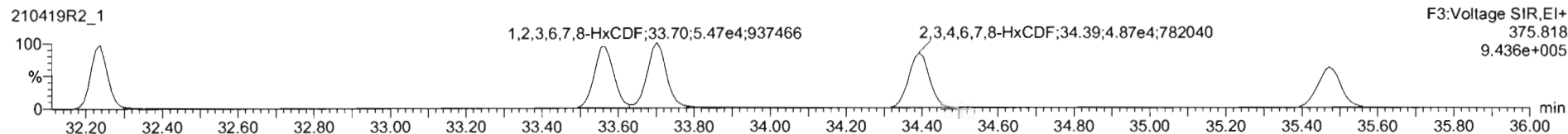
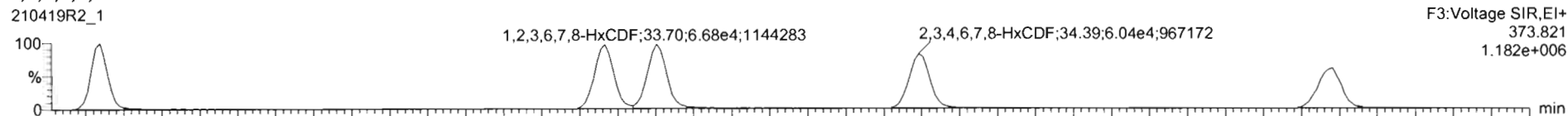


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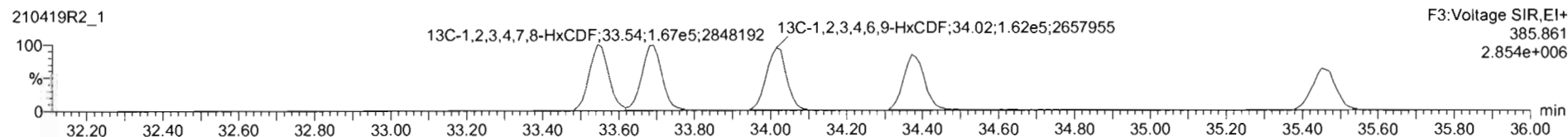
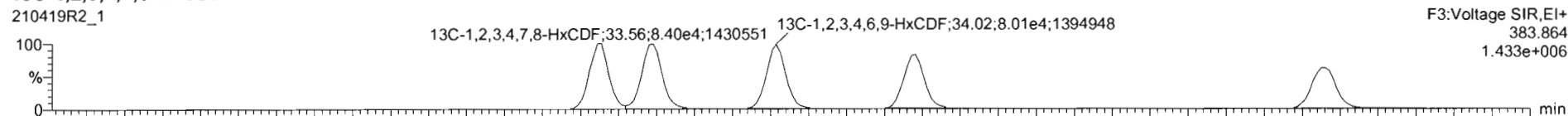
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Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

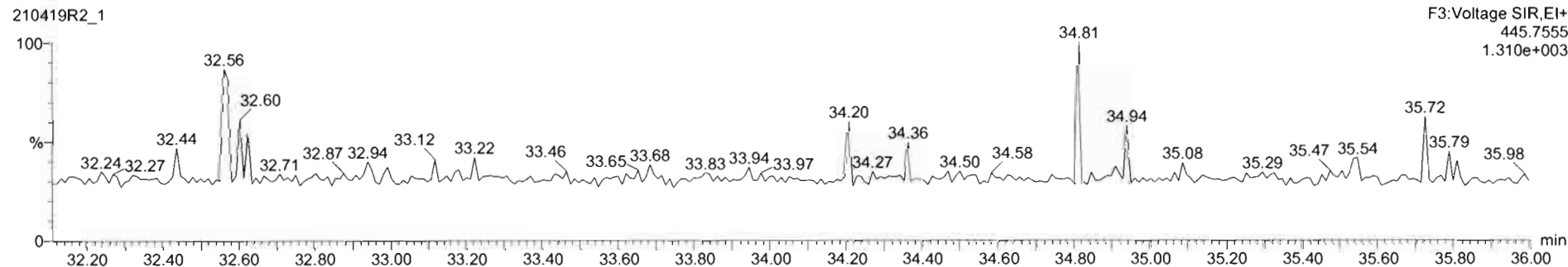
**1,2,3,4,7,8-HxCDF**



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



**DPE3**

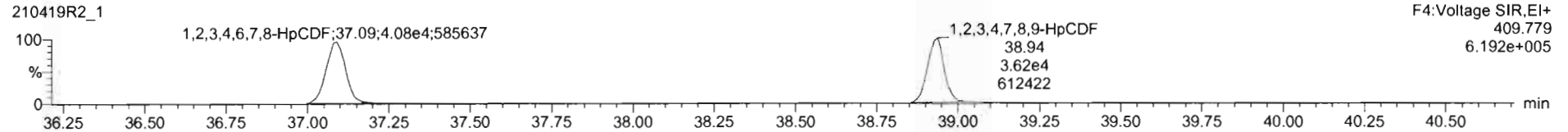
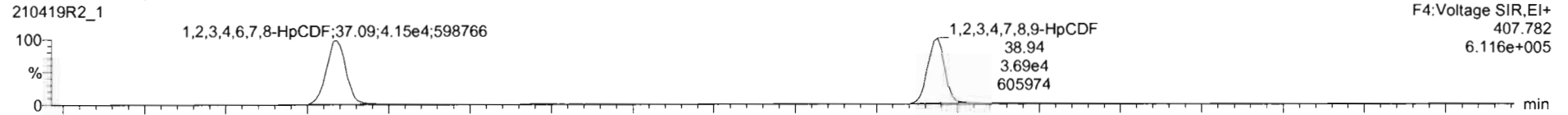


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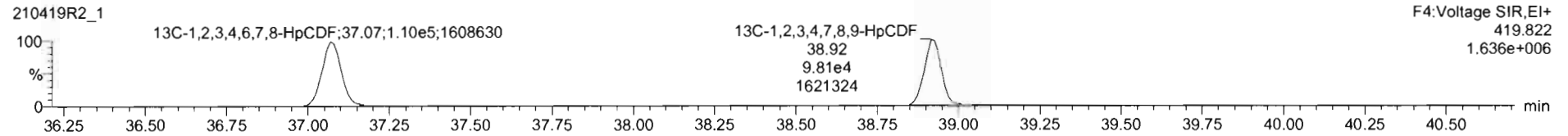
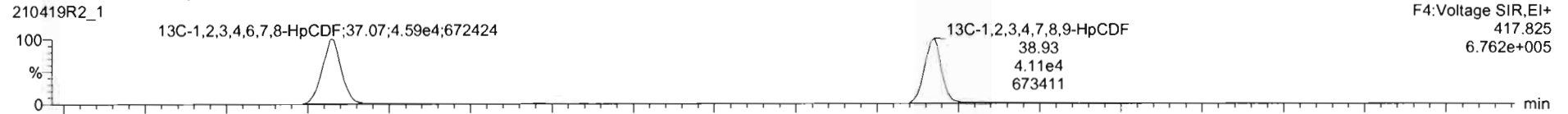
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Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

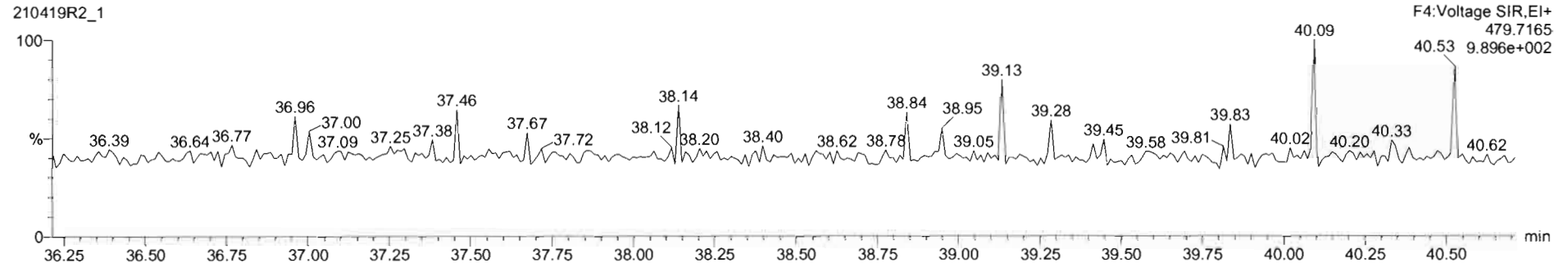
**1,2,3,4,6,7,8-HpCDF**



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



**DPE4**

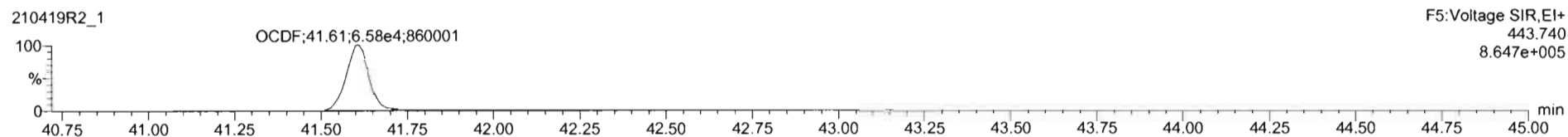
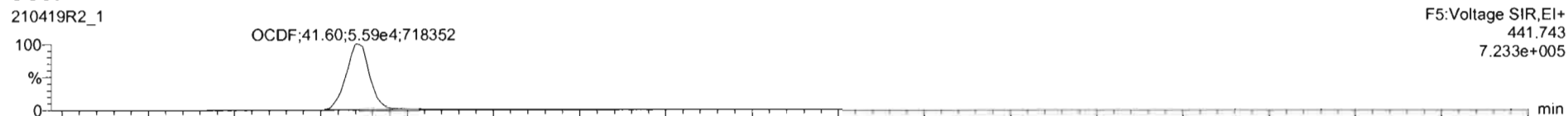


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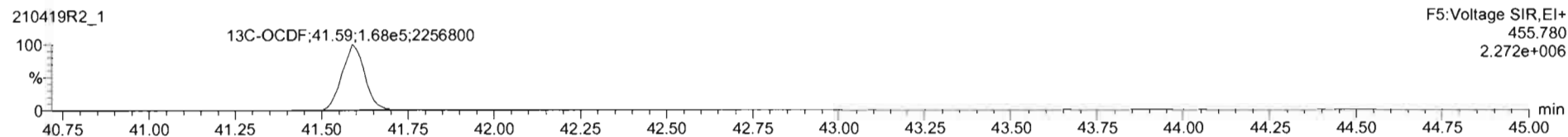
Last Altered: Monday, April 19, 2021 17:22:51 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

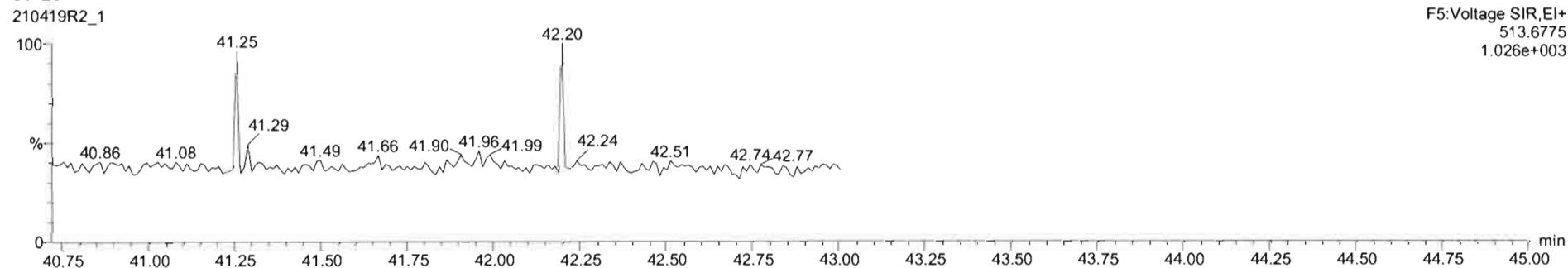
**OCDF**



**13C-OCDF**



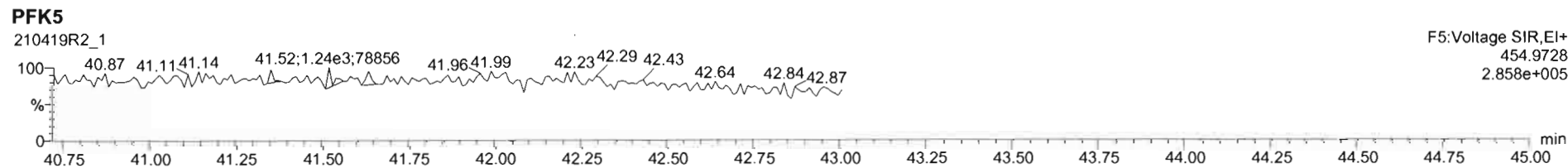
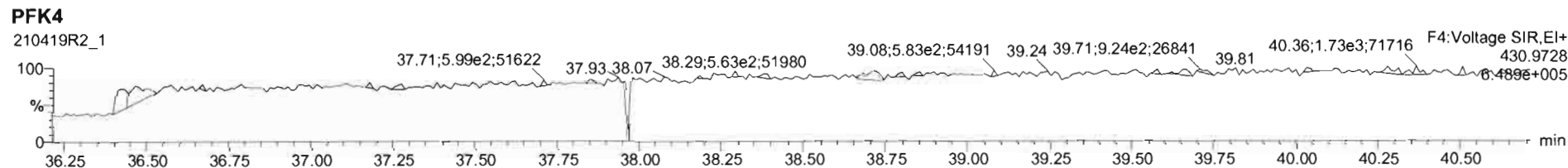
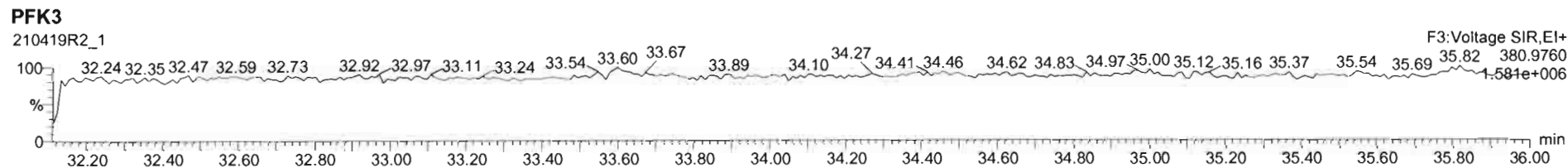
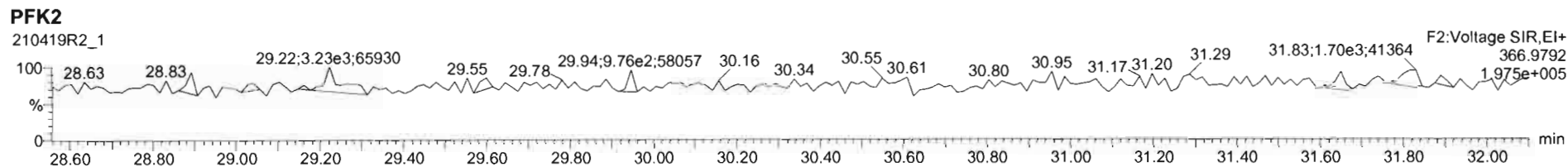
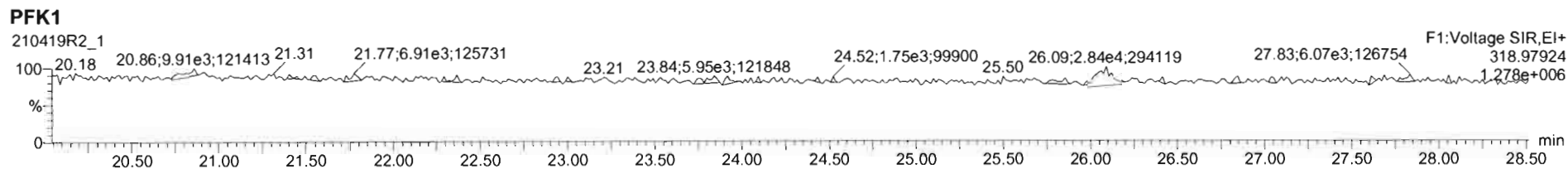
**DPE5**



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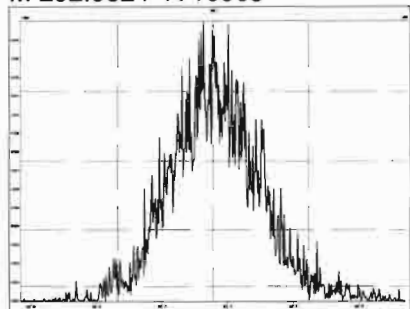
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Printed: Tuesday, April 20, 2021 13:22:08 Pacific Daylight Time

Name: 210419R2\_1, Date: 19-Apr-2021, Time: 16:38:20, ID: ST210419R2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

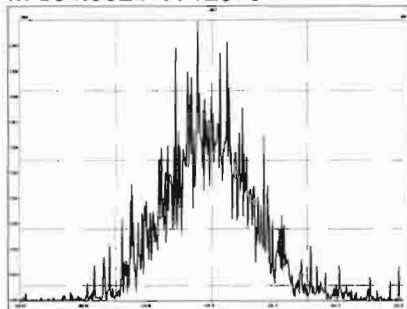


Printed: Tuesday, April 20, 2021 09:03:50 Pacific Daylight Time

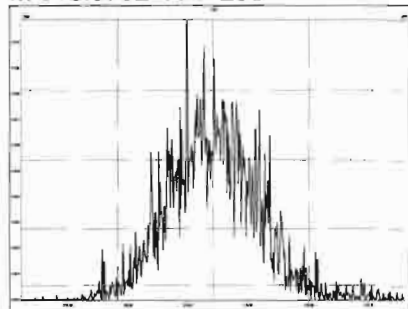
M 292.9824 R 10969



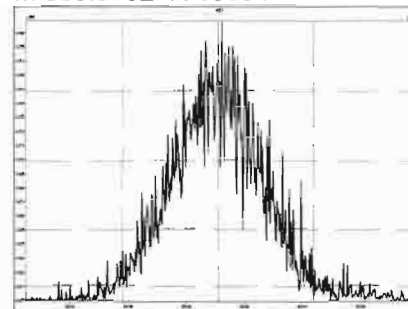
M 304.9824 R 12079



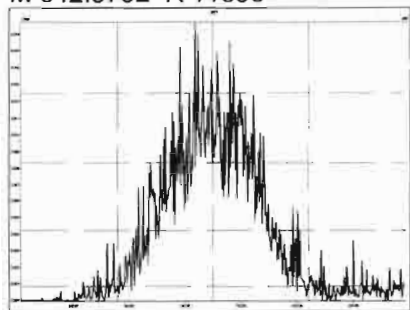
M 318.9792 R 11293



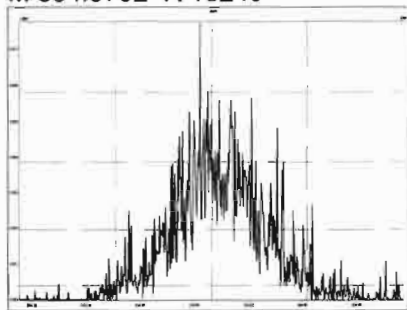
M 330.9792 R 10394



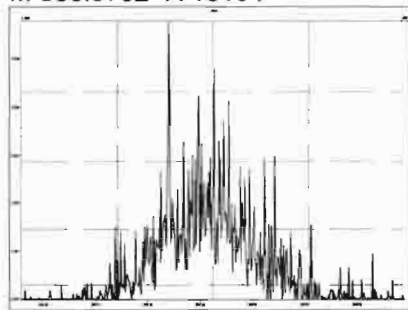
M 342.9792 R 11393



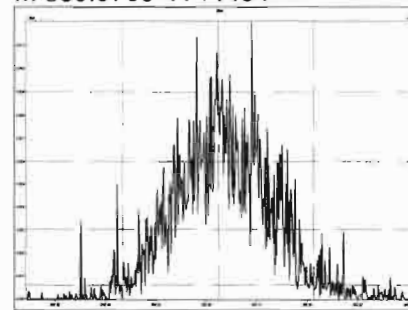
M 354.9792 R 13240



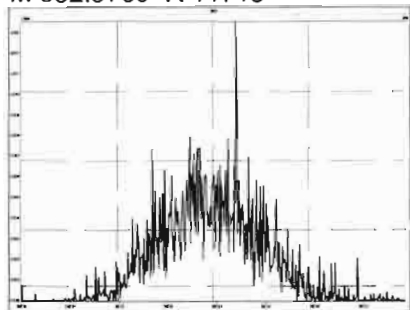
M 366.9792 R 15104



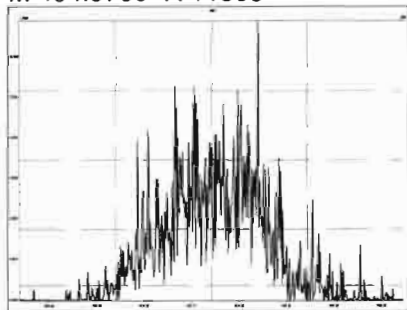
M 380.9760 R 11454



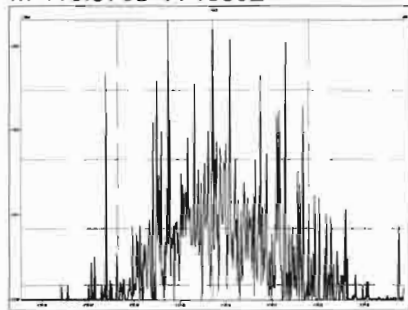
M 392.9760 R 11715



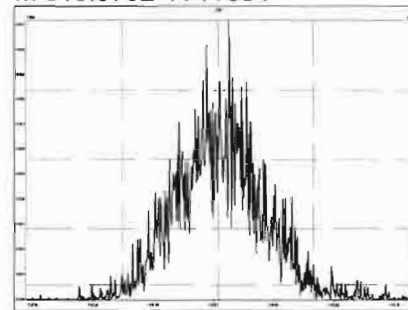
M 404.9760 R 11865



M 416.9760 R 43892



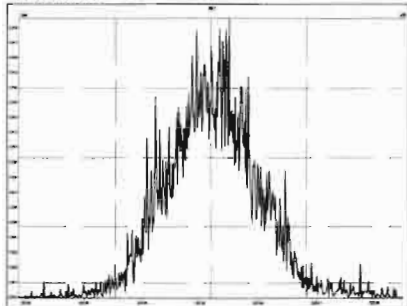
M 318.9792 R 11834



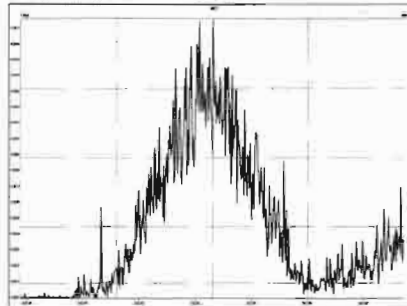


Printed: Tuesday, April 20, 2021 09:03:50 Pacific Daylight Time

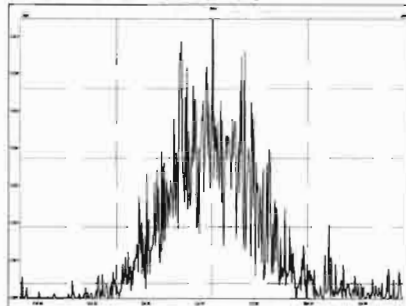
M 330.9792 R 11039



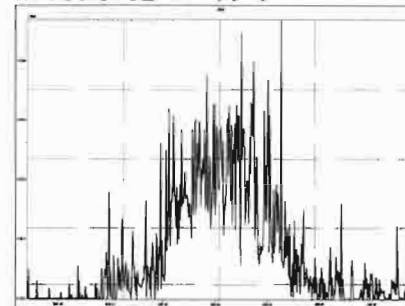
M 342.9792 R 10250



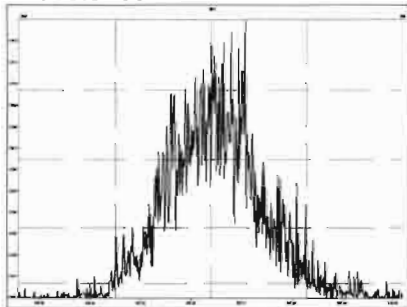
M 354.9792 R 12756



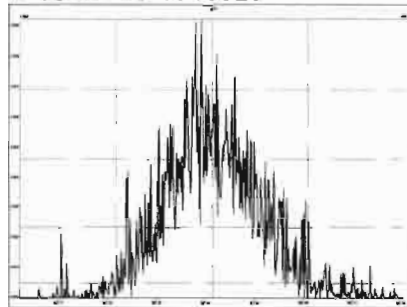
M 366.9792 R 13343



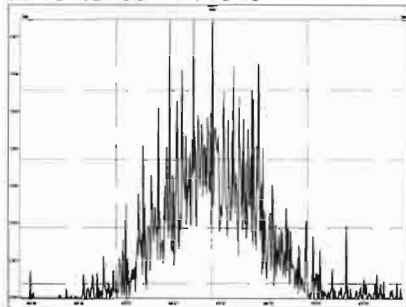
M 380.9760 R 10848



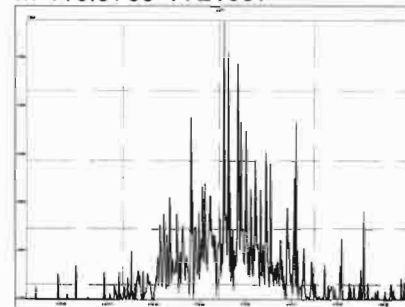
M 392.9760 R 10925



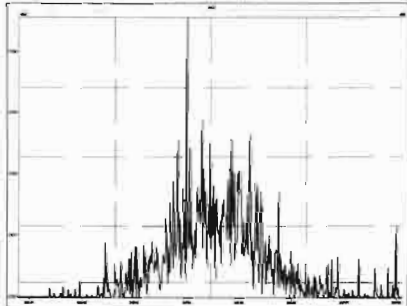
M 404.9760 R 11545



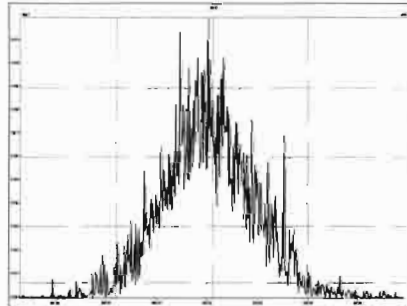
M 416.9760 R 21097



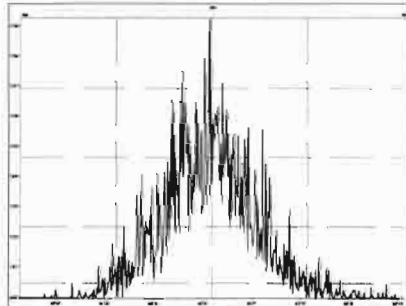
M 366.9792 R 16502



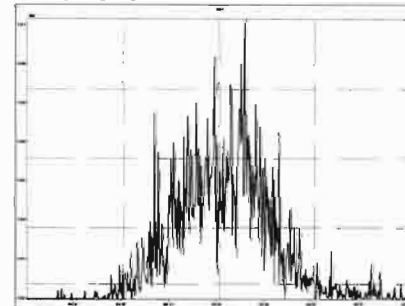
M 380.9760 R 12094



M 392.9760 R 11783

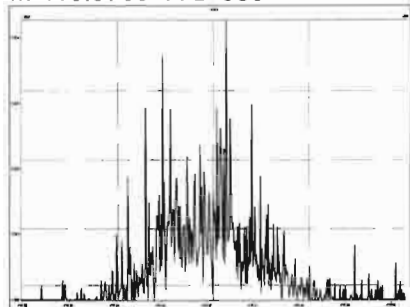


M 404.9760 R 12481

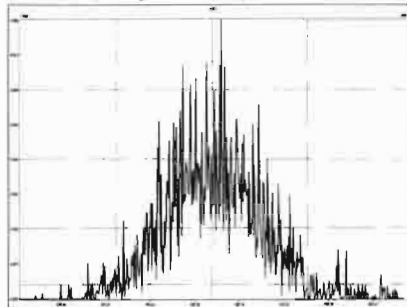


Printed: Tuesday, April 20, 2021 09:03:50 Pacific Daylight Time

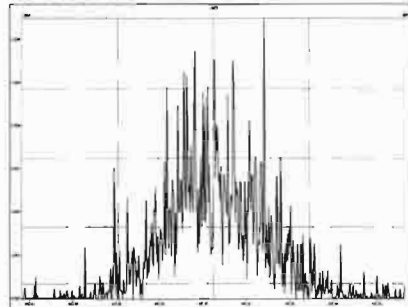
M 416.9760 R 24836



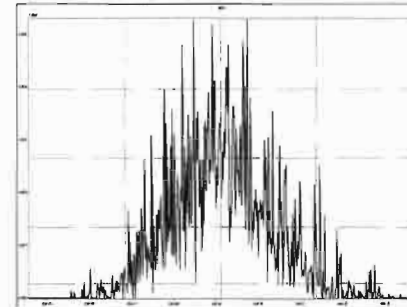
M 430.9728 R 11788



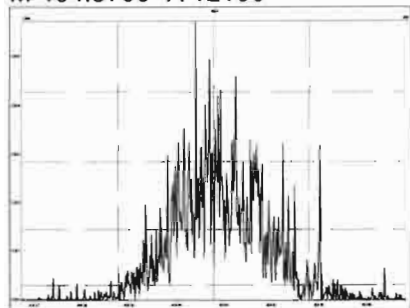
M 442.9728 R 13549



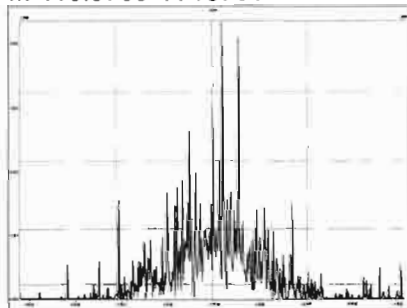
M 454.9728 R 12563



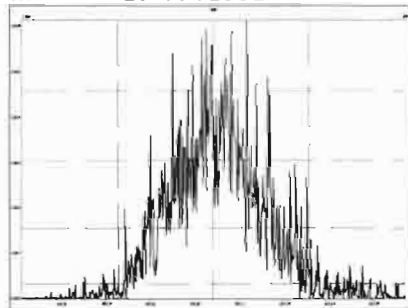
M 404.9760 R 12106



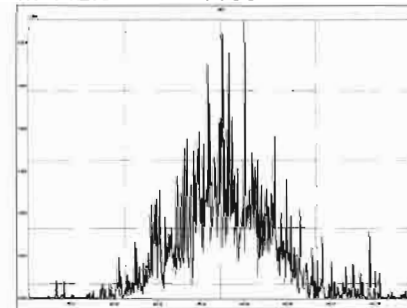
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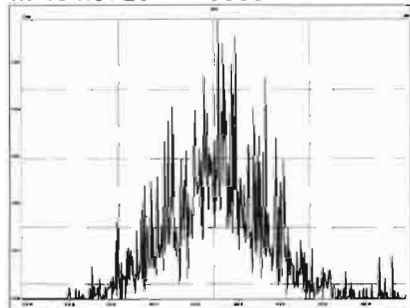
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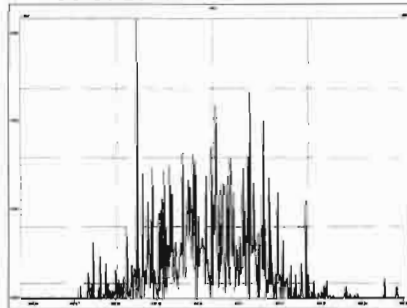
M 442.9728 R 11661



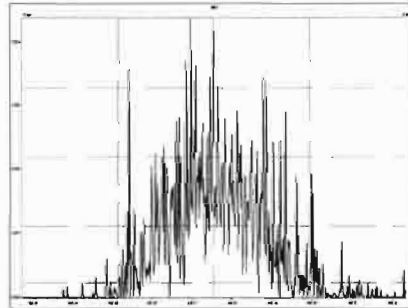
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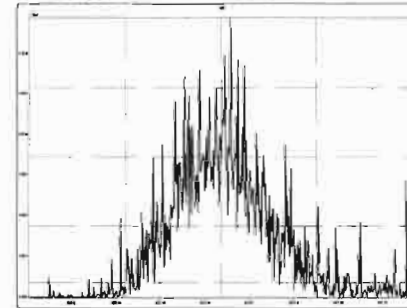
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M 480.9696 R 19258

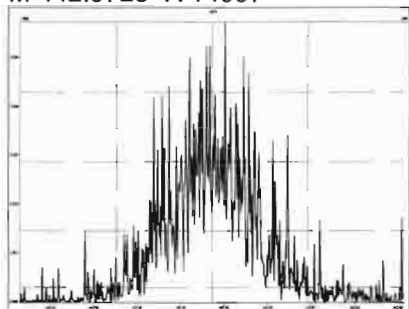


M 430.9728 R 10440

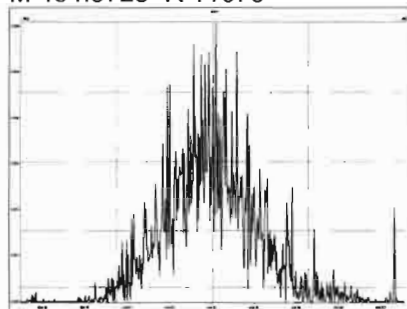


Printed: Tuesday, April 20, 2021 09:03:50 Pacific Daylight Time

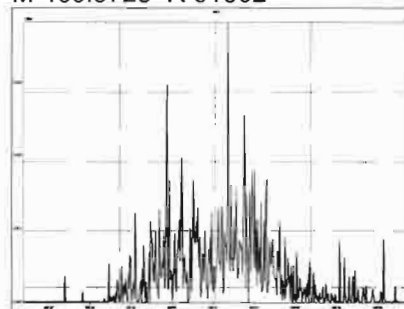
M 442.9728 R 14097



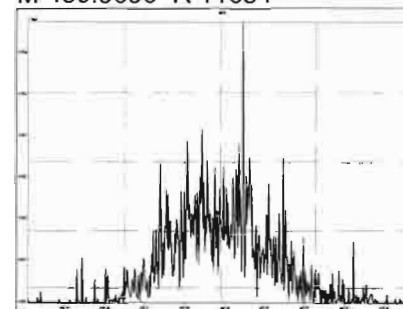
M 454.9728 R 11673



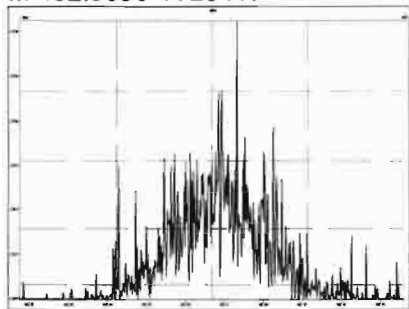
M 466.9728 R 51362



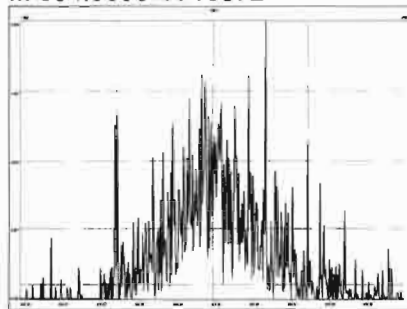
M 480.9696 R 11684



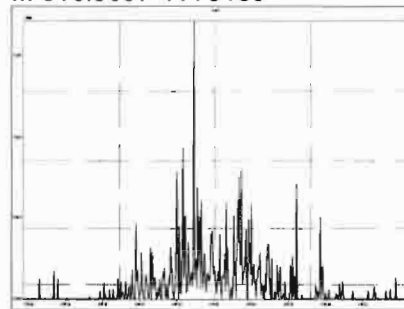
M 492.9696 R 20417



M 504.9696 R 15872



M 516.9697 R 79139



Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_1.qld

Last Altered: Monday, April 19, 2021 09:49:12 Pacific Daylight Time

Printed: Monday, April 19, 2021 09:49:36 Pacific Daylight Time

*FIN 04/19/21*

*DF 04/19/21*

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.54e5	1.65e6	0.75	NO	0.929	26.80	26.80	NO	1.001	1.001	10.040	100	NO
2	2 1,2,3,7,8-PeCDD	4.81e5	1.16e6	0.61	NO	0.826	31.20	31.18	NO	1.001	1.000	50.330	101	NO
3	3 1,2,3,4,7,8-HxCDD	3.58e5	7.22e5	1.25	NO	0.972	34.53	34.52	NO	1.001	1.000	51.050	102	NO
4	4 1,2,3,6,7,8-HxCDD	3.69e5	8.27e5	1.24	NO	0.877	34.65	34.65	NO	1.001	1.001	50.877	102	NO
5	5 1,2,3,7,8,9-HxCDD	3.63e5	8.17e5	1.25	NO	0.874	34.94	34.94	NO	1.000	1.000	50.881	102	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.56e5	5.59e5	1.04	NO	0.899	38.29	38.29	NO	1.000	1.000	50.856	102	NO
7	7 OCDD	3.90e5	9.19e5	0.87	NO	0.852	41.30	41.31	NO	1.000	1.000	99.636	99.6	NO
8	8 2,3,7,8-TCDF	1.77e5	2.35e6	0.75	NO	0.747	26.17	26.18	NO	1.000	1.001	10.108	101	NO
9	9 1,2,3,7,8-PeCDF	7.14e5	1.60e6	1.56	NO	0.877	29.99	30.00	NO	1.000	1.001	51.053	102	NO
10	10 2,3,4,7,8-PeCDF	7.37e5	1.52e6	1.55	NO	0.962	31.01	31.00	NO	1.001	1.000	50.275	101	NO
11	11 1,2,3,4,7,8-HxCDF	4.52e5	9.59e5	1.22	NO	0.920	33.59	33.59	NO	1.000	1.000	51.289	103	NO
12	12 1,2,3,6,7,8-HxCDF	5.00e5	1.06e6	1.21	NO	0.936	33.73	33.73	NO	1.001	1.001	50.567	101	NO
13	13 2,3,4,6,7,8-HxCDF	4.45e5	8.95e5	1.20	NO	0.973	34.42	34.41	NO	1.001	1.000	51.141	102	NO
14	14 1,2,3,7,8,9-HxCDF	3.64e5	7.75e5	1.22	NO	0.940	35.49	35.50	NO	1.000	1.001	50.023	100	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.19e5	6.05e5	1.02	NO	1.05	37.11	37.11	NO	1.000	1.001	50.352	101	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.52e5	4.78e5	1.00	NO	1.05	38.95	38.96	NO	1.000	1.001	50.334	101	NO
17	17 OCDF	4.38e5	1.10e6	0.90	NO	0.771	41.63	41.63	NO	1.000	1.000	103.56	104	NO
18	18 13C-2,3,7,8-TCDD	1.65e6	1.49e6	0.77	NO	1.10	26.78	26.77	NO	1.027	1.027	100.37	100	NO
19	19 13C-1,2,3,7,8-PeCDD	1.16e6	1.49e6	0.63	NO	0.864	31.18	31.17	NO	1.196	1.195	89.989	90.0	NO
20	20 13C-1,2,3,4,7,8-HxCDD	7.22e5	1.02e6	1.27	NO	0.746	34.51	34.51	NO	1.014	1.014	94.450	94.4	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.27e5	1.02e6	1.26	NO	0.847	34.63	34.63	NO	1.017	1.018	95.380	95.4	NO
22	22 13C-1,2,3,7,8,9-HxCDD	8.17e5	1.02e6	1.26	NO	0.868	34.93	34.93	NO	1.026	1.026	91.879	91.9	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.59e5	1.02e6	1.06	NO	0.664	38.28	38.28	NO	1.125	1.125	82.176	82.2	NO
24	24 13C-OCDD	9.19e5	1.02e6	0.91	NO	0.561	41.23	41.30	NO	1.211	1.213	160.01	80.0	NO
25	25 13C-2,3,7,8-TCDF	2.35e6	2.26e6	0.77	NO	1.09	26.16	26.16	NO	1.003	1.003	94.952	95.0	NO
26	26 13C-1,2,3,7,8-PeCDF	1.60e6	2.26e6	1.56	NO	0.809	29.90	29.99	NO	1.147	1.150	87.135	87.1	NO
27	27 13C-2,3,4,7,8-PeCDF	1.52e6	2.26e6	1.59	NO	0.803	30.86	30.98	NO	1.184	1.188	83.882	83.9	NO
28	28 13C-1,2,3,4,7,8-HxCDF	9.59e5	1.02e6	0.51	NO	1.01	33.58	33.58	NO	0.987	0.986	92.535	92.5	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.06e6	1.02e6	0.51	NO	1.07	33.71	33.71	NO	0.990	0.990	95.996	96.0	NO
30	30 13C-2,3,4,6,7,8-HxCDF	8.95e5	1.02e6	0.50	NO	0.910	34.40	34.40	NO	1.011	1.011	96.041	96.0	NO
31	31 13C-1,2,3,7,8,9-HxCDF	7.75e5	1.02e6	0.51	NO	0.828	35.48	35.48	NO	1.042	1.042	91.352	91.4	NO

Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_1.qld

Last Altered: Monday, April 19, 2021 09:49:12 Pacific Daylight Time

Printed: Monday, April 19, 2021 09:49:36 Pacific Daylight Time

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.05e5	1.02e6	0.44	NO	0.661	37.09	37.09	NO	1.090	1.090	89.321	89.3	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.78e5	1.02e6	0.44	NO	0.566	38.85	38.94	NO	1.141	1.144	82.527	82.5	NO
34	34 13C-OCDF	1.10e6	1.02e6	0.89	NO	0.663	41.62	41.62	NO	1.223	1.223	161.71	80.9	NO
35	35 37Cl-2,3,7,8-TCDD	3.07e5	1.49e6			2.07	26.98	26.80	NO	1.035	1.028	9.9558	99.6	NO
36	36 13C-1,2,3,4-TCDD	1.49e6	1.49e6	0.78	NO	1.00	26.07	26.07	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	2.26e6	2.26e6	0.78	NO	1.00	24.76	24.76	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.02e6	1.02e6	0.51	NO	1.00	34.04	34.04	NO	1.000	1.000	100.00	100	YES

ok

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Saturday, April 17, 2021 09:33:53 Pacific Daylight Time

Printed: Saturday, April 17, 2021 09:36:04 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-16-21.mdb 16 Apr 2021 14:01:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210416R1_1	ST210416R1-1 1613 CS3 21C0105	16-Apr-21	10:56:57
2	210416R1_2	B1D0075-BS1 OPR 10	16-Apr-21	11:46:18
3	210416R1_3	SOLVENT BLANK	16-Apr-21	12:39:31

# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST210416R1-1

**Reviewed By:** DF04/19/21  
*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>1-14</u>	<u>1-14</u>
<b>Run Log:</b>		
- 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>YIN</u>	

**Mass resolution  $\geq$**

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

**Intergrated peaks display correctly?**

**GC Break <20%**

NA

**8280 CS1 End Standard:**

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

**Comments:**

<u>Beg.</u>	<u>End</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
	<input type="checkbox"/> NA

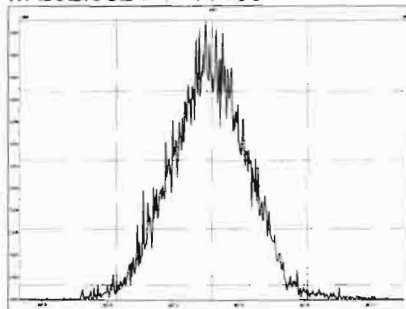
Experiment Calibration Report

MassLynx 4.1 SCN815

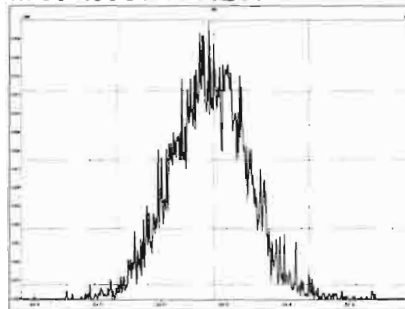
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, April 16, 2021 10:47:51 Pacific Daylight Time

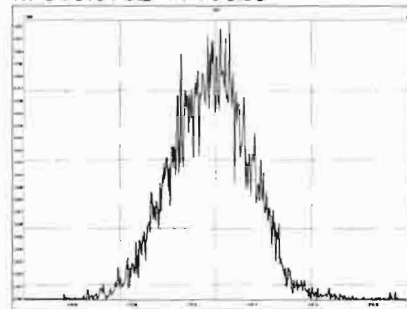
M 292.9824 R 11465



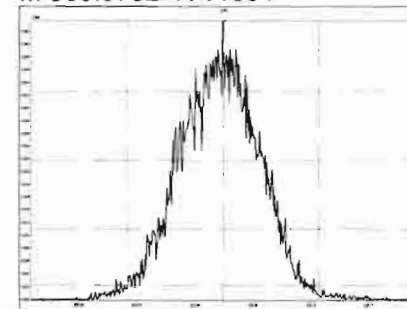
M 304.9824 R 11211



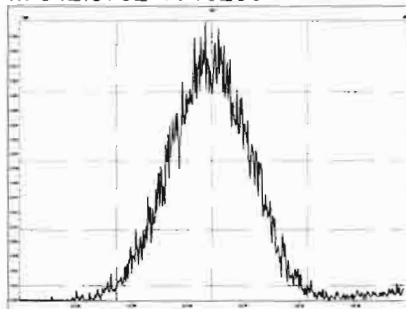
M 318.9792 R 10820



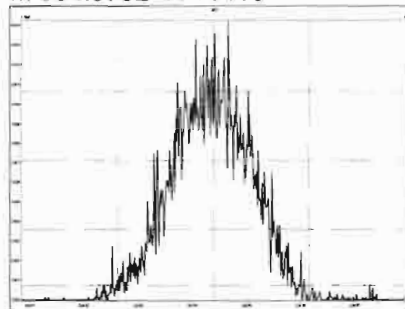
M 330.9792 R 11364



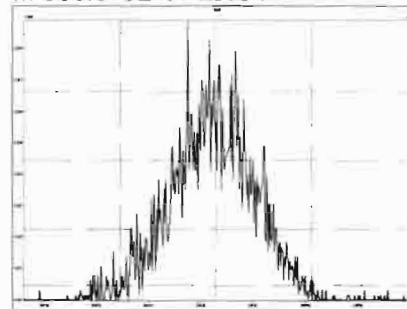
M 342.9792 R 10286



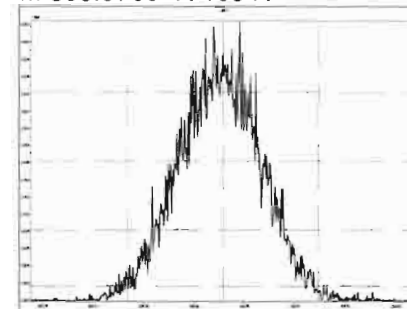
M 354.9792 R 11416



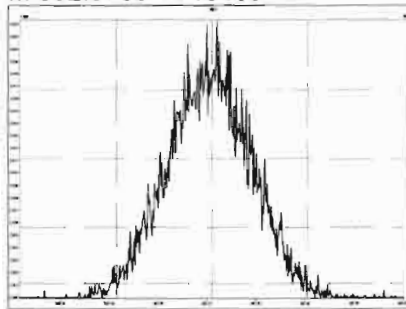
M 366.9792 R 12134



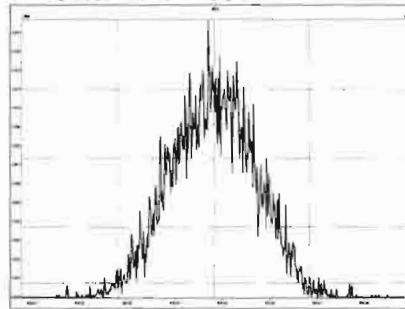
M 380.9760 R 10041



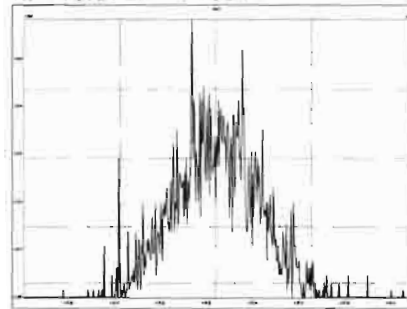
M 392.9760 R 10459



M 404.9760 R 10635



M 416.9760 R 10916





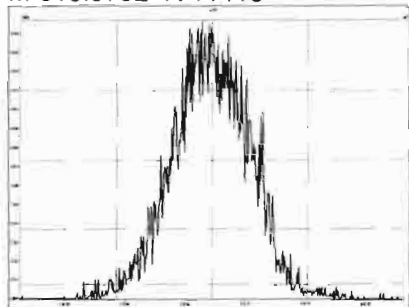
Experiment Calibration Report

MassLynx 4.1 SCN815

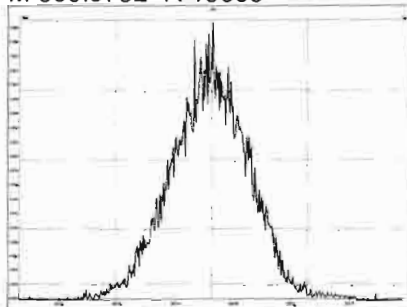
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, April 16, 2021 10:48:44 Pacific Daylight Time

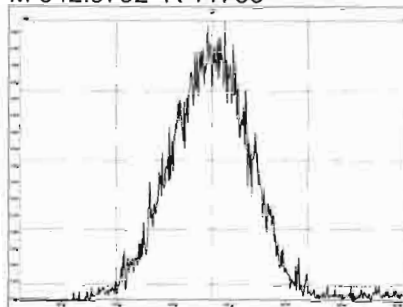
M 318.9792 R 11413



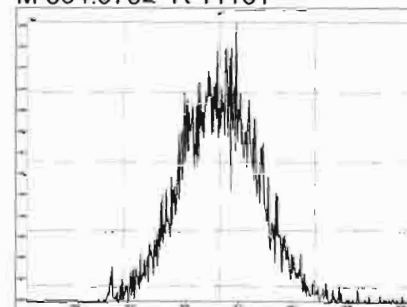
M 330.9792 R 10638



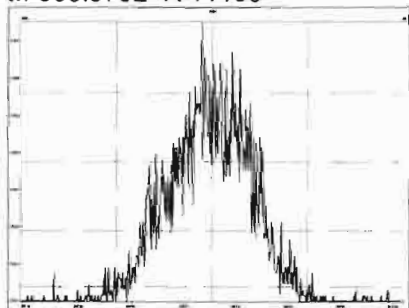
M 342.9792 R 11735



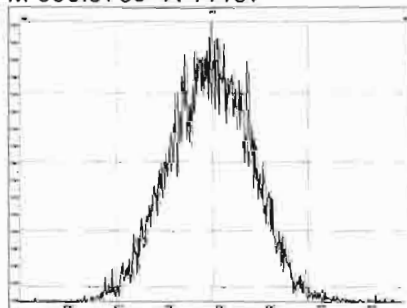
M 354.9792 R 11161



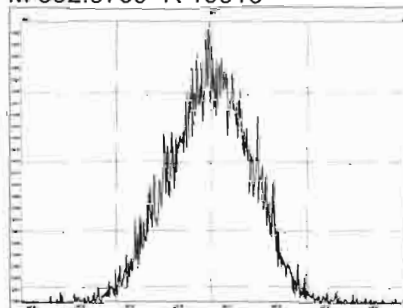
M 366.9792 R 11109



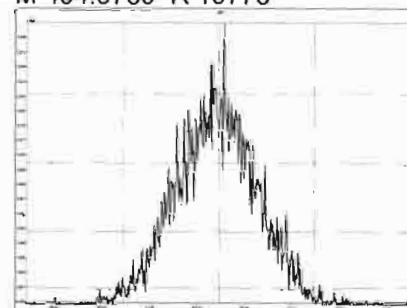
M 380.9760 R 11107



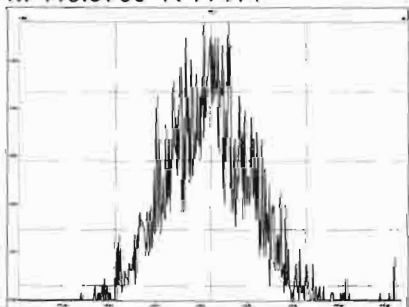
M 392.9760 R 10915



M 404.9760 R 10776



M 416.9760 R 11414



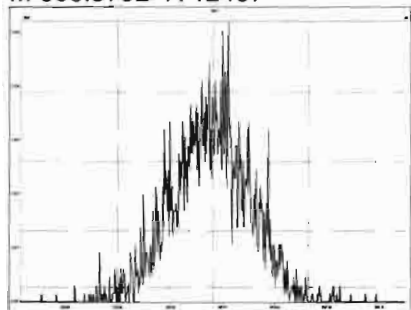
Experiment Calibration Report

MassLynx 4.1 SCN815

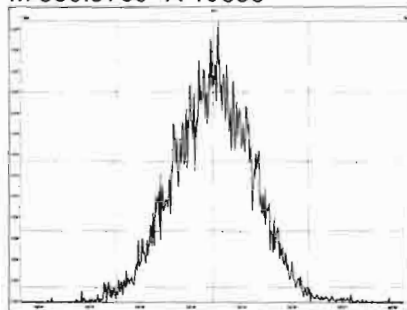
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, April 16, 2021 10:50:20 Pacific Daylight Time

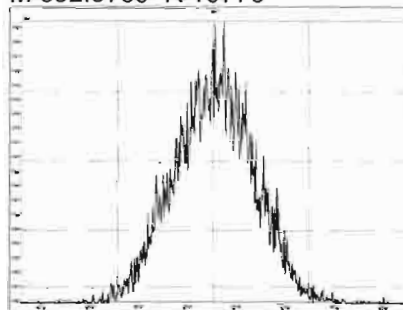
M 366.9792 R 12437



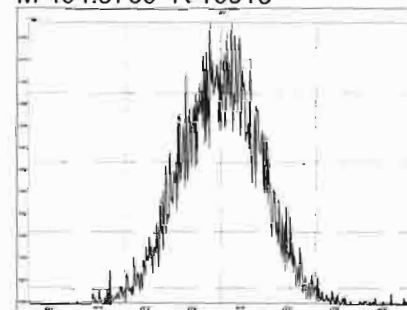
M 380.9760 R 10686



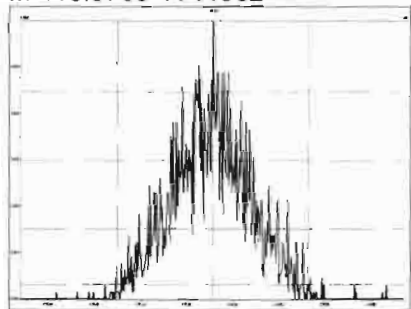
M 392.9760 R 10776



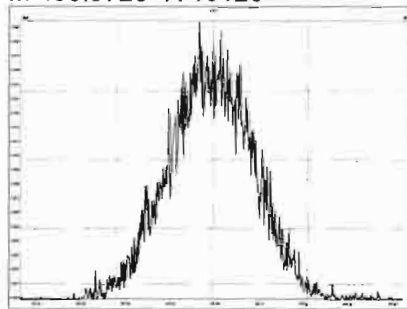
M 404.9760 R 10915



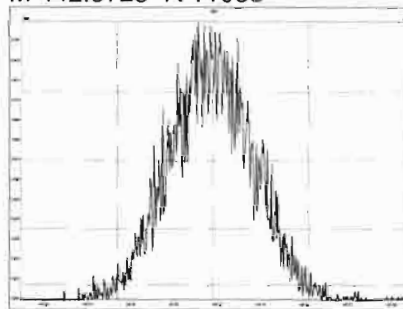
M 416.9760 R 11962



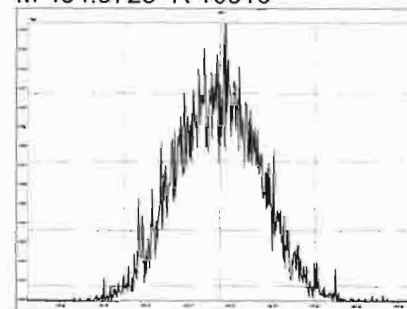
M 430.9728 R 10120



M 442.9728 R 11058



M 454.9728 R 10916



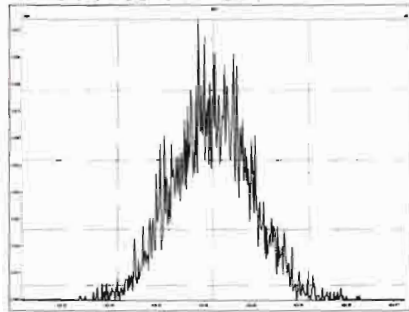
Experiment Calibration Report

MassLynx 4.1 SCN815

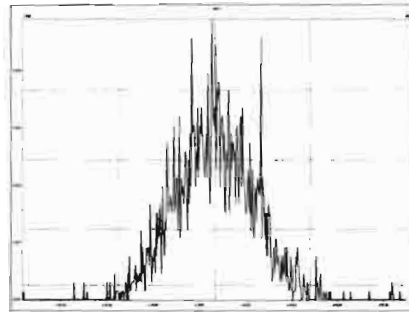
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, April 16, 2021 10:51:47 Pacific Daylight Time

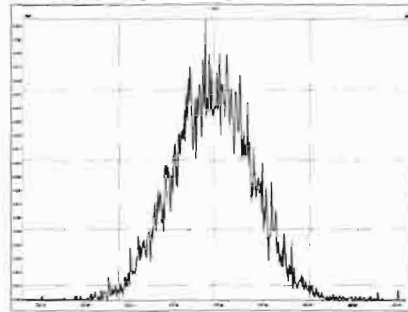
M 404.9760 R 11061



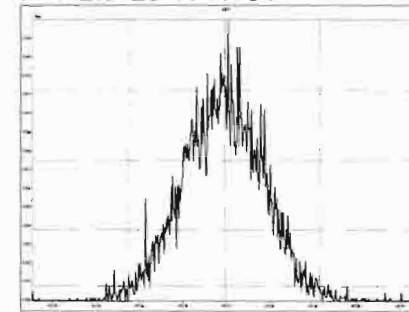
M 416.9760 R 11963



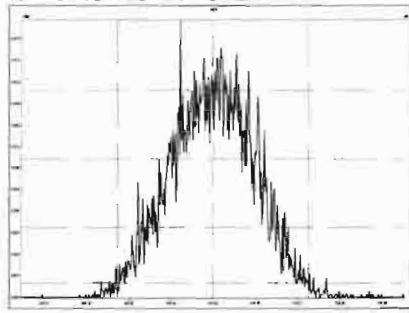
M 430.9728 R 10330



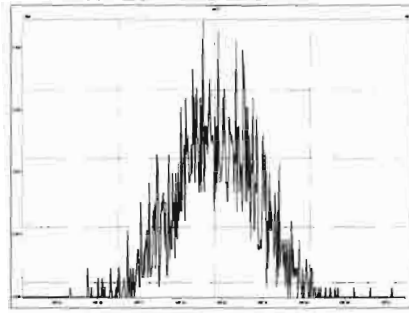
M 442.9728 R 11734



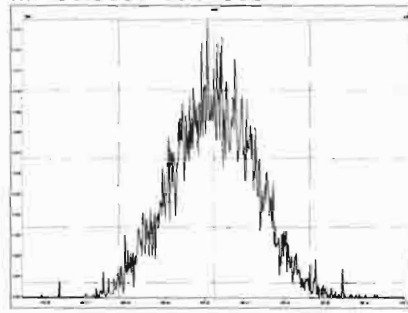
M 454.9728 R 10121



M 466.9728 R 12623



M 480.9696 R 11363



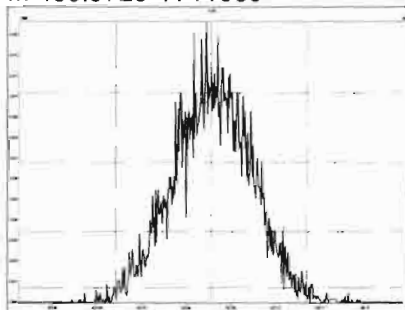
Experiment Calibration Report

MassLynx 4.1 SCN815

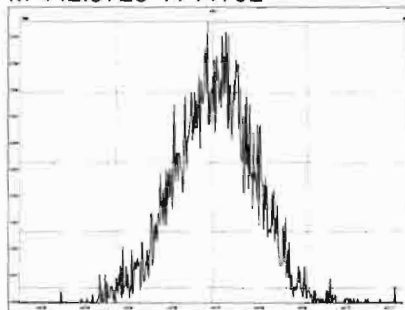
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, April 16, 2021 10:52:46 Pacific Daylight Time

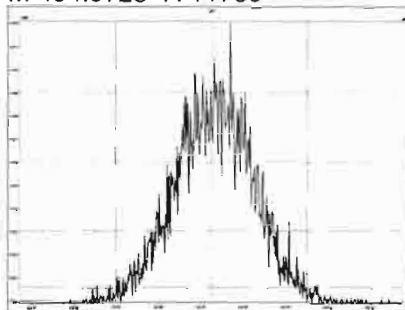
M 430.9728 R 11365



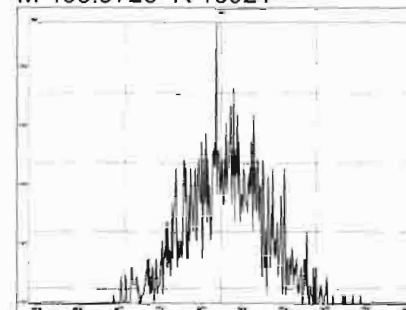
M 442.9728 R 11792



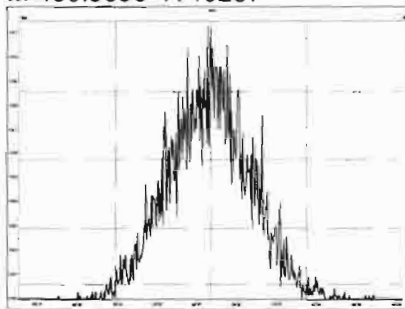
M 454.9728 R 11739



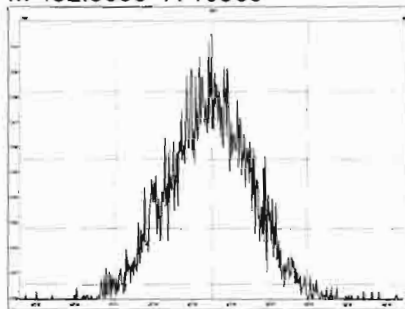
M 466.9728 R 13021



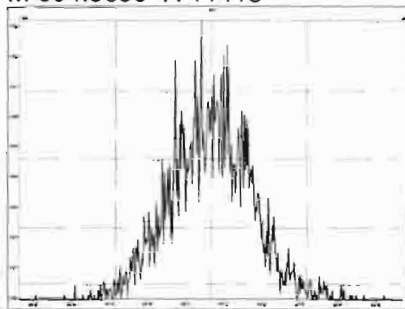
M 480.9696 R 10287



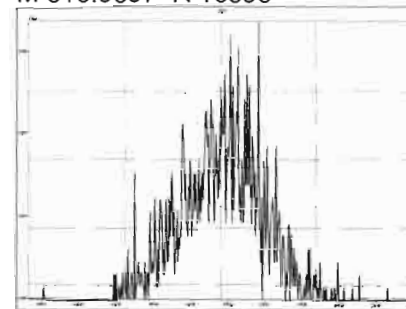
M 492.9696 R 10965



M 504.9696 R 11418



M 516.9697 R 16898



Dataset: Untitled

Last Altered: Saturday, April 17, 2021 09:04:51 Pacific Daylight Time

Printed: Saturday, April 17, 2021 09:09:25 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 17 Apr 2021 09:05:16

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

	# Name	RT
1	1 1,3,6,8-TCDD (First)	23.40
2	2 1,2,8,9-TCDD (Last)	27.61
3	3 1,2,4,7,9-PeCDD (First)	29.02
4	4 1,2,3,8,9-PeCDD (Last)	31.53
5	5 1,2,4,6,7,9-HxCDD (First)	32.79
6	6 1,2,3,7,8,9-HxCDD (Last)	34.94
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.42
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.29
9	9 1,3,6,8-TCDF (First)	21.31
10	10 1,2,8,9-TCDF (Last)	27.94
11	11 1,3,4,6,8-PeCDF (First)	27.48
12	12 1,2,3,8,9-PeCDF (Last)	31.89
13	13 1,2,3,4,6,8-HxCDF (First)	32.26
14	14 1,2,3,7,8,9-HxCDF (Last)	35.50
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.11
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.96

Dataset: Untitled

Last Altered: Saturday, April 17, 2021 09:04:51 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:09:25 Pacific Daylight Time

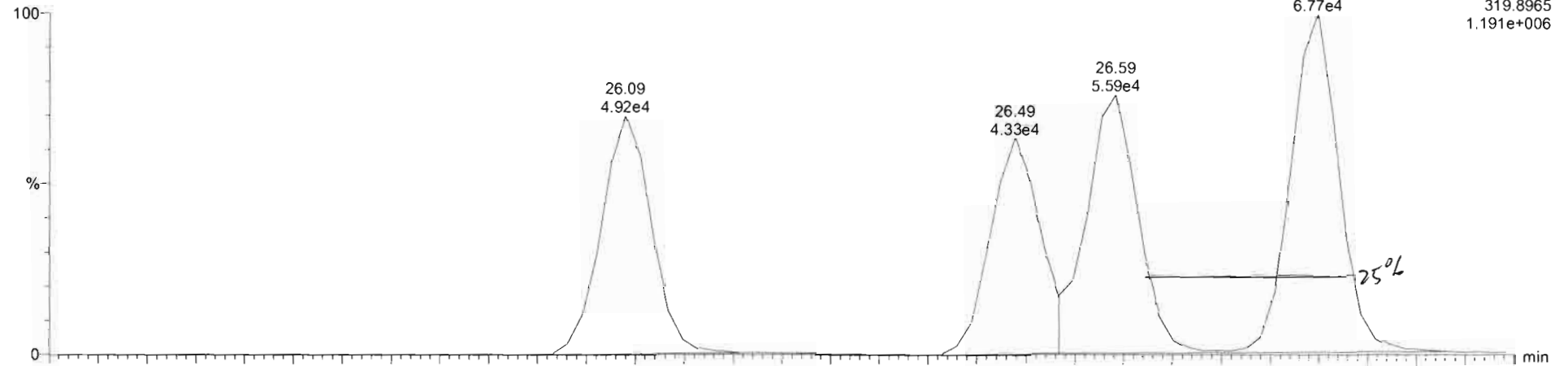
Method: U:\VG12.PRO\MethDB\CPSM.mdb 17 Apr 2021 09:05:16  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

1-1N 04/19/21  
04/17/21

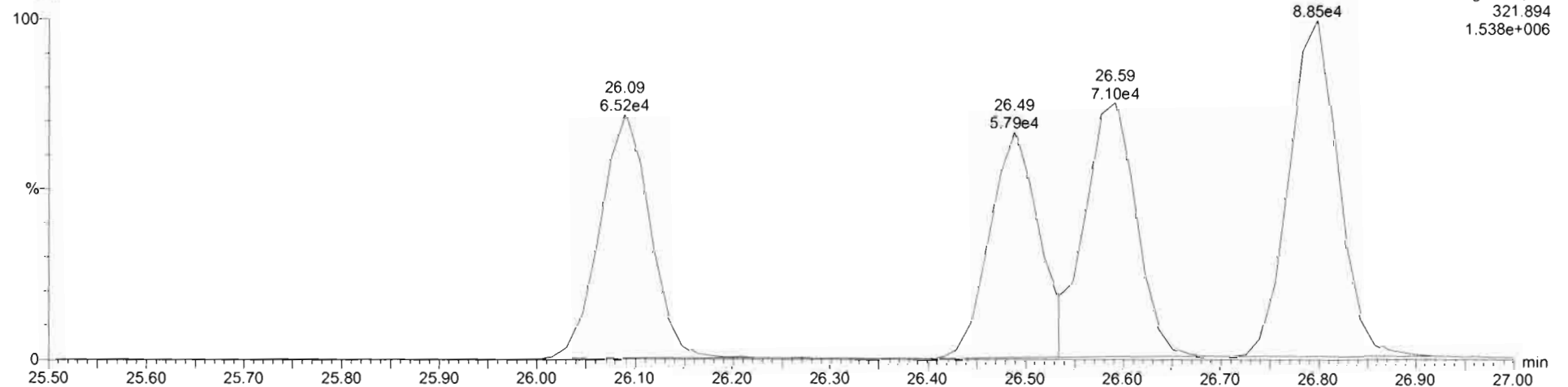
Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210416R1\_1



210416R1\_1



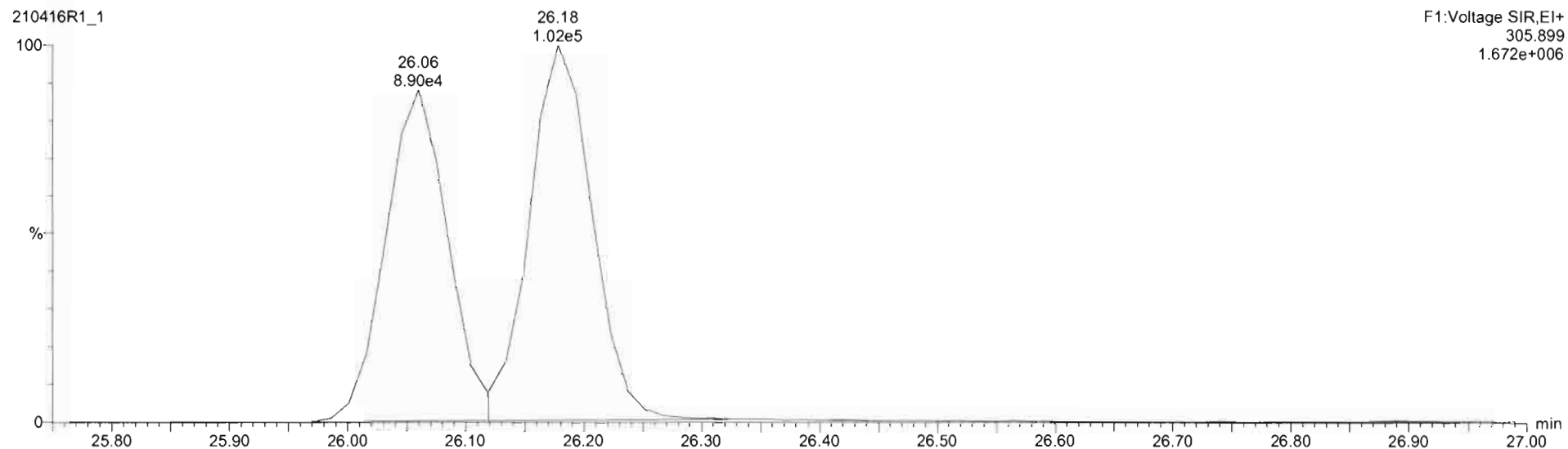
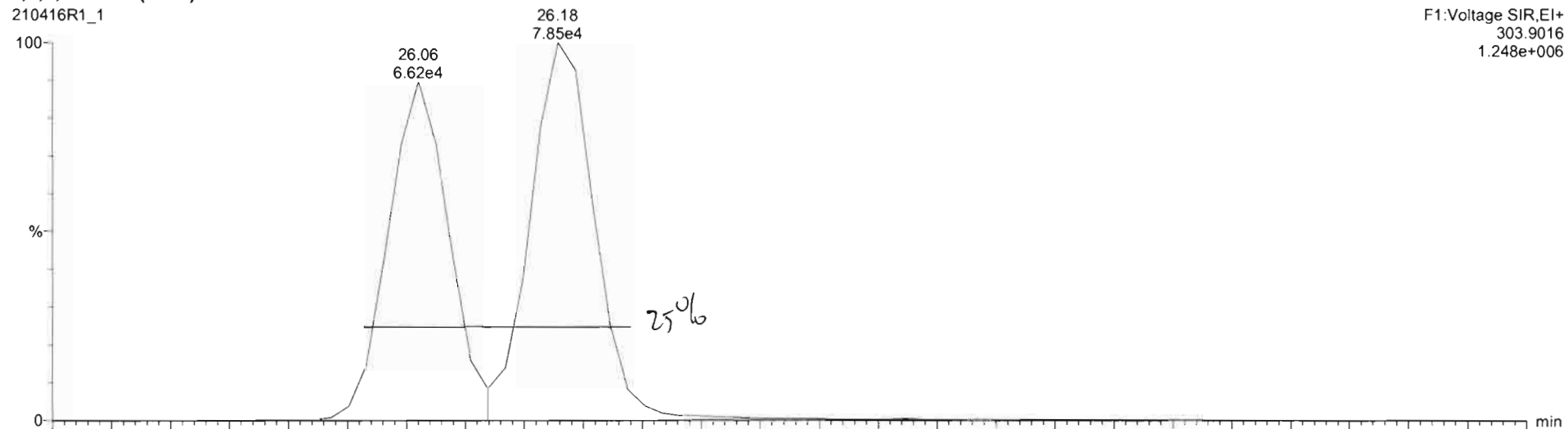
Dataset: Untitled

Last Altered: Saturday, April 17, 2021 09:04:51 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:09:25 Pacific Daylight Time

HLV 04/17/21

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)



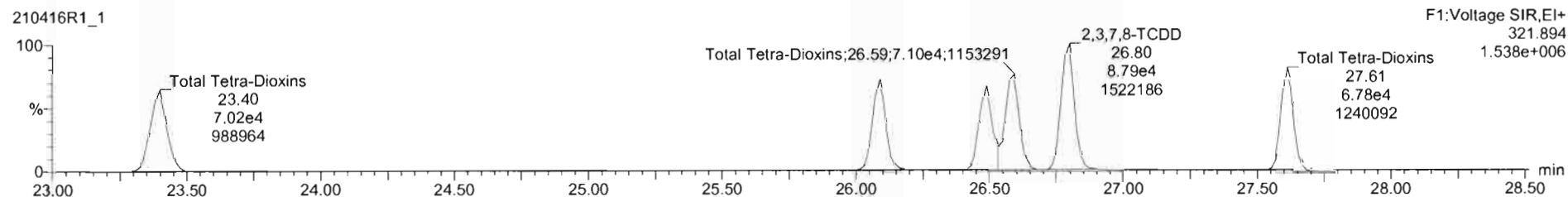
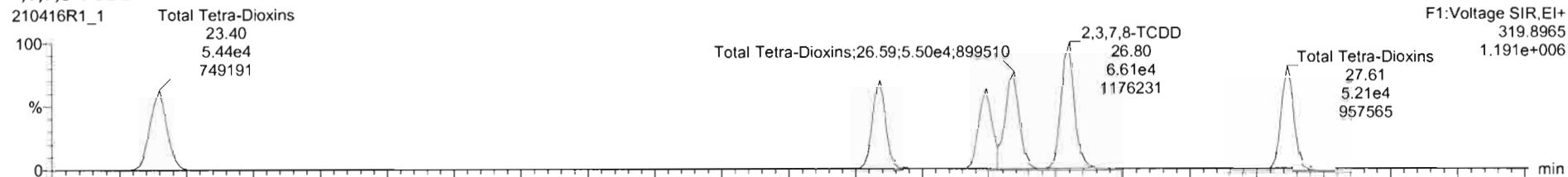
Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_1.qld

Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

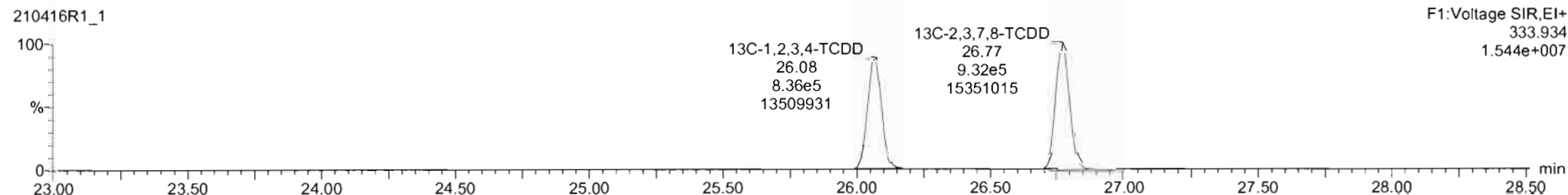
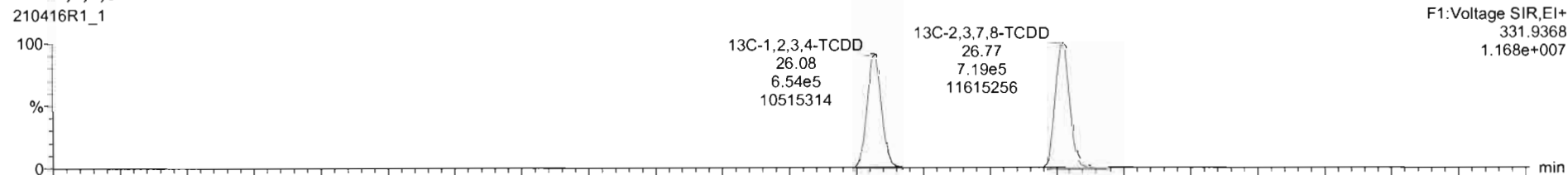
Method: Untitled 06 Apr 2021 08:35:23  
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Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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



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





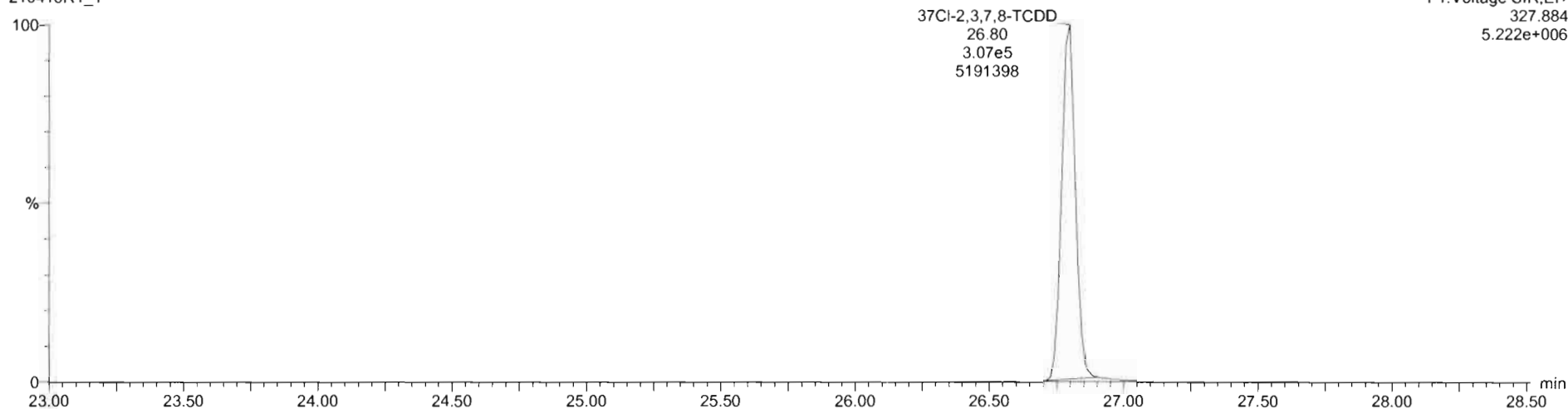
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Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

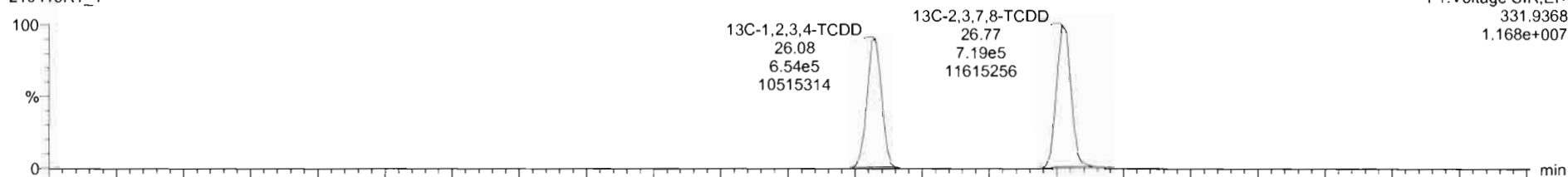
37Cl-2,3,7,8-TCDD

210416R1\_1

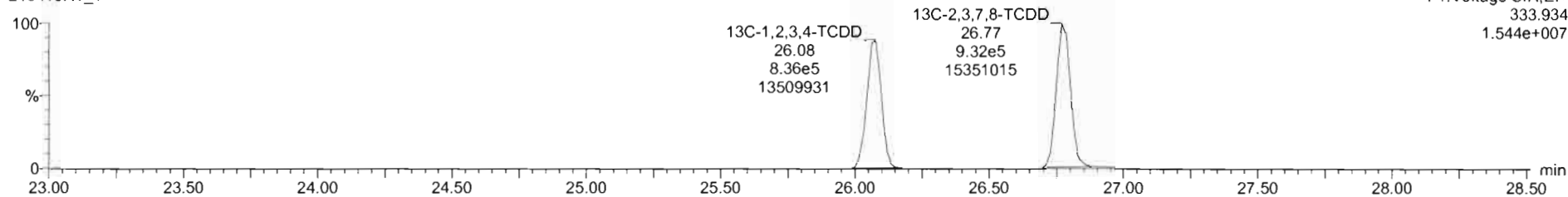


13C-1,2,3,4-TCDD

210416R1\_1



210416R1\_1



Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_1.qld

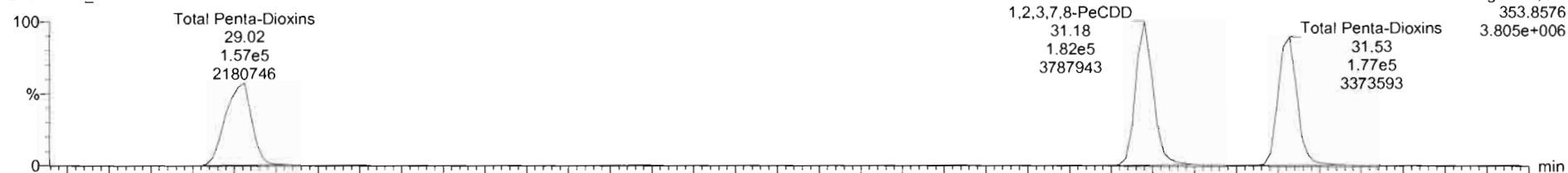
Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time

Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

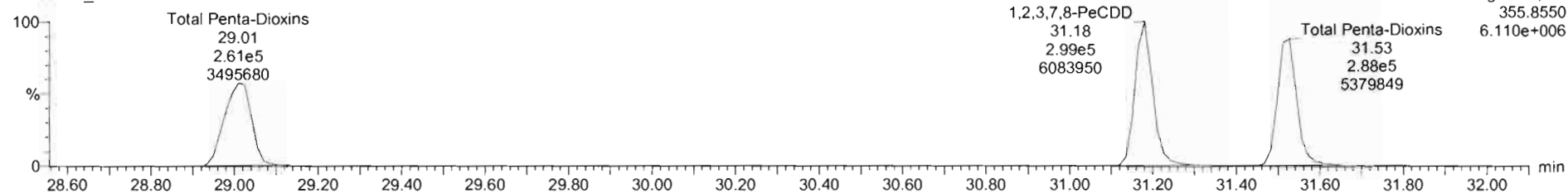
Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

210416R1\_1

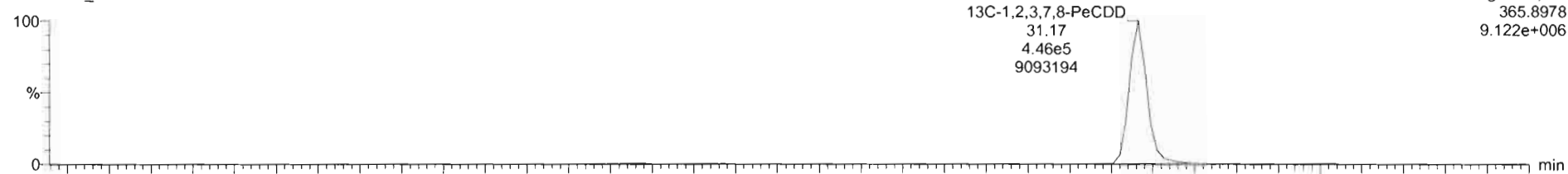


210416R1\_1

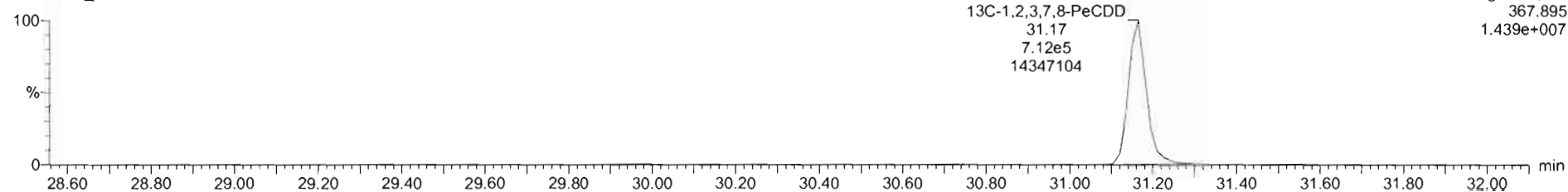


**13C-1,2,3,7,8-PeCDD**

210416R1\_1



210416R1\_1



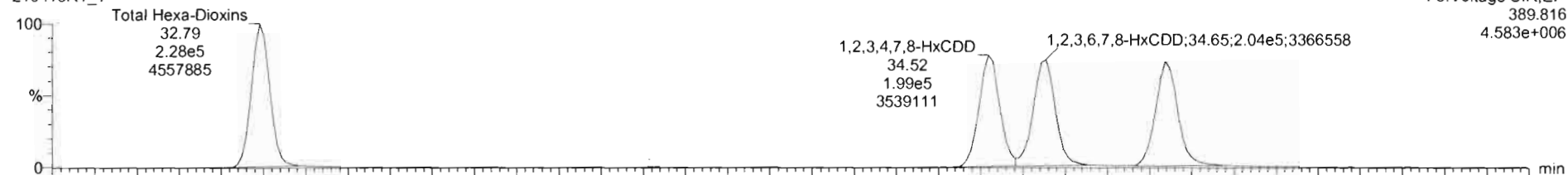
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Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

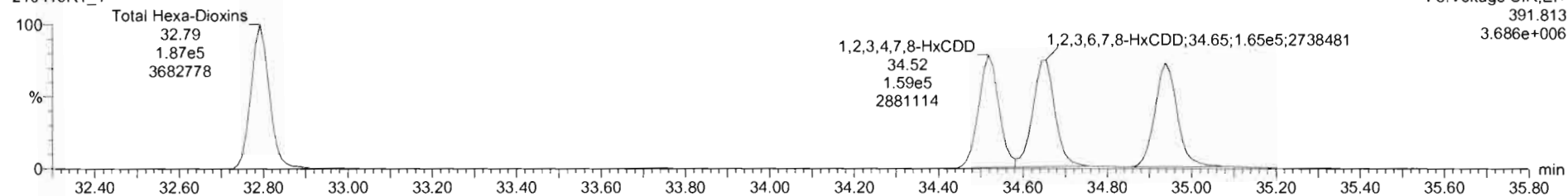
Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

210416R1\_1

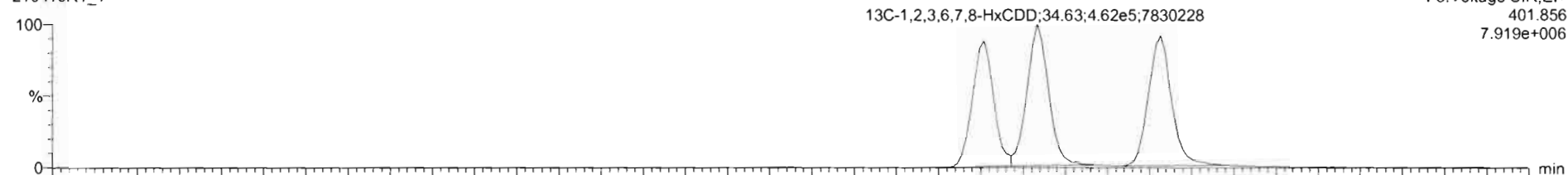


210416R1\_1

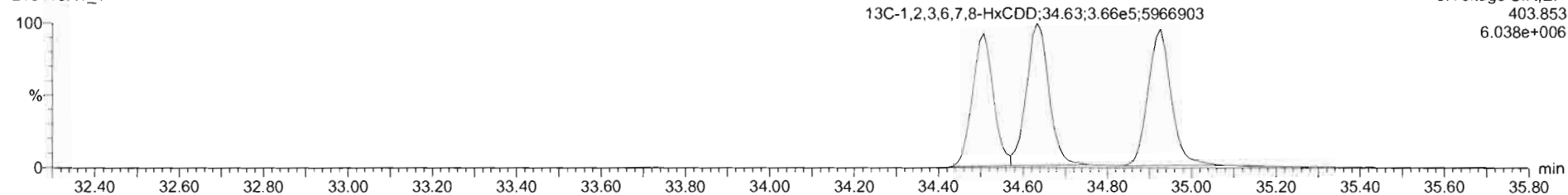


**13C-1,2,3,4,7,8-HxCDD**

210416R1\_1



210416R1\_1



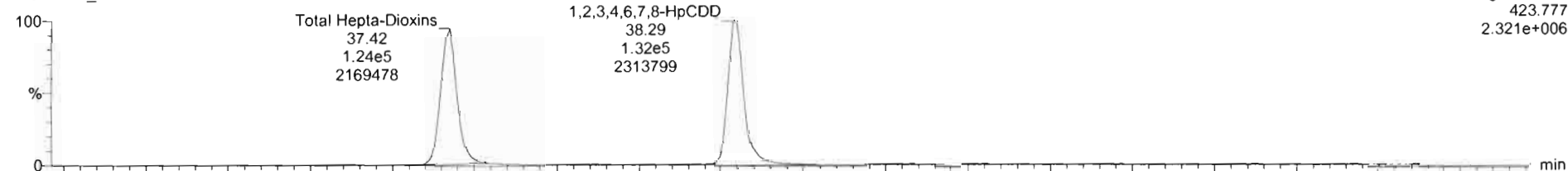
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Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

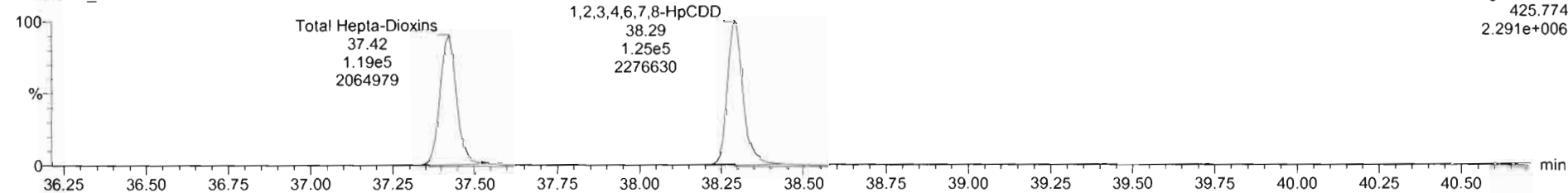
Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

210416R1\_1

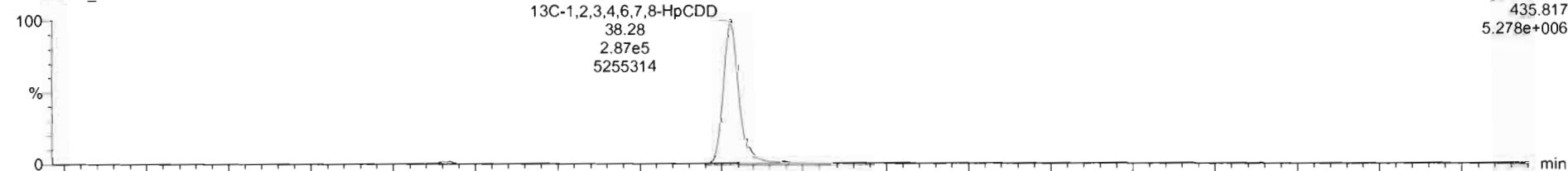


210416R1\_1

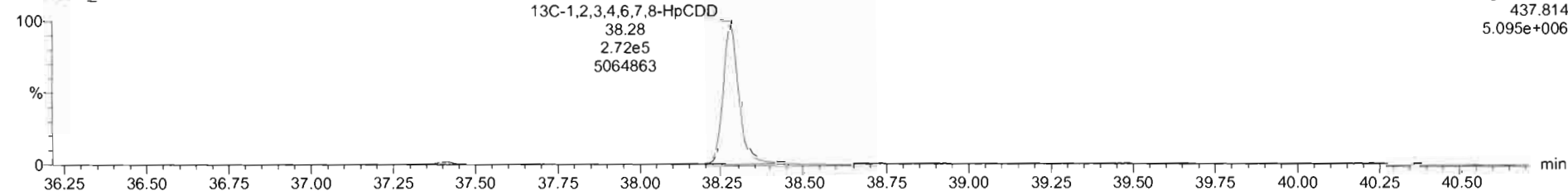


**13C-1,2,3,4,6,7,8-HpCDD**

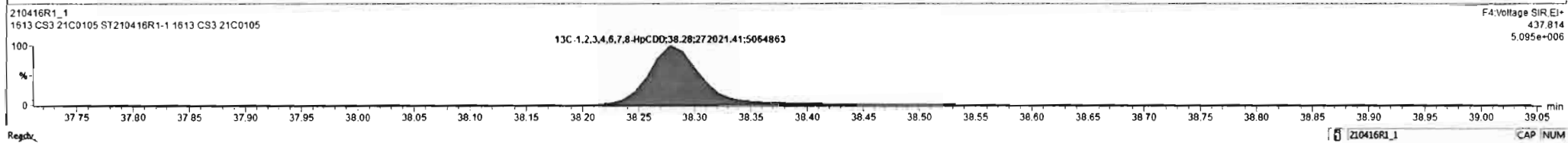
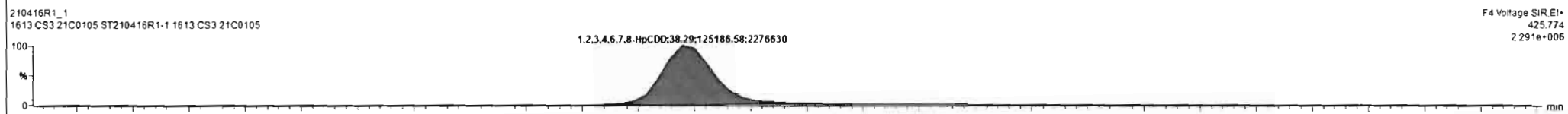
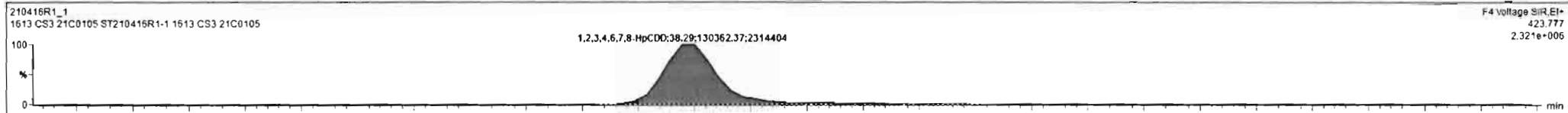
210416R1\_1



210416R1\_1

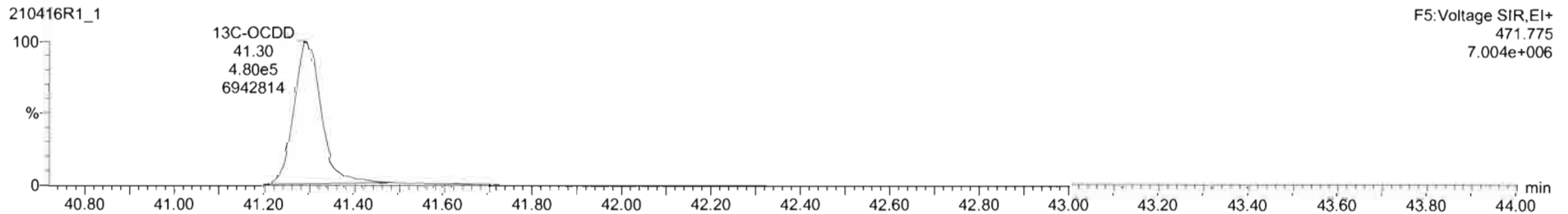
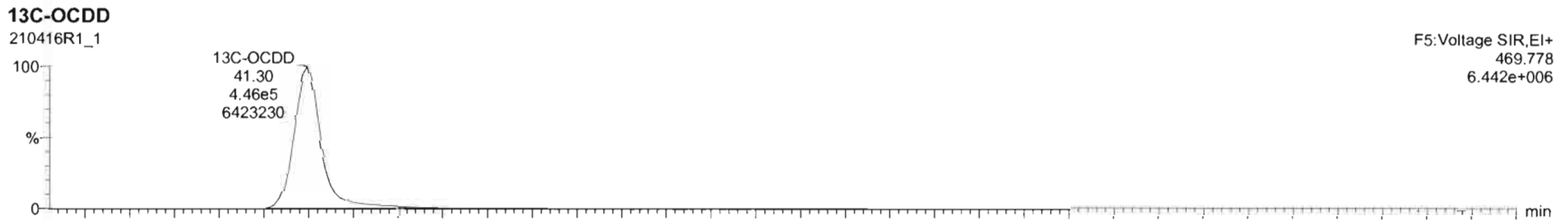
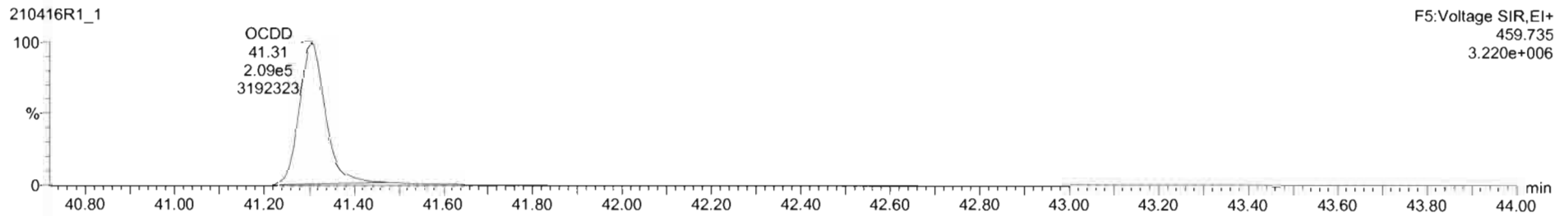
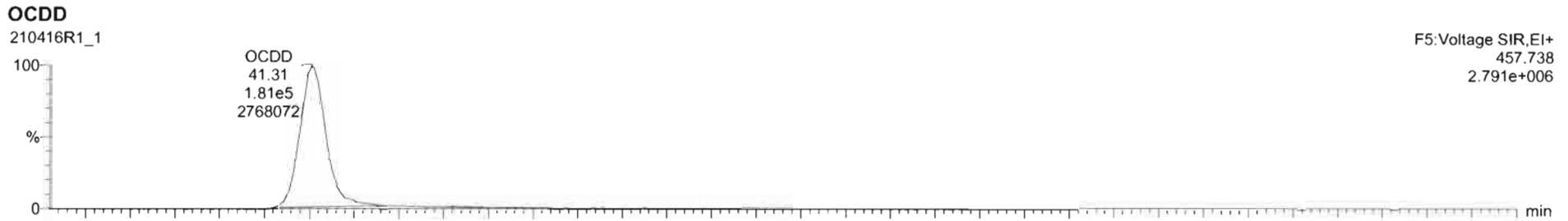


#	Name	Resp	IE Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.54e5	1.65e6	0.77	0.75	NO	0.9291	26.80	26.80	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.81e5	1.16e6	0.63	0.61	NO	0.8257	31.20	31.18	NO	1.001	1.000	50.3	101	NO
3	1,2,3,4,7,8-HxCDD	3.58e5	7.22e5	1.24	1.25	NO	0.9725	34.53	34.52	NO	1.001	1.000	51.1	102	NO
4	1,2,3,6,7,8-HxCDD	3.69e5	8.27e5	1.24	1.24	NO	0.8771	34.65	34.65	NO	1.001	1.001	50.9	102	NO
5	1,2,3,7,8,9-HxCDD	3.83e5	8.17e5	1.24	1.25	NO	0.8739	34.94	34.94	NO	1.000	1.000	50.9	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.56e5	5.59e5	1.04	1.04	NO	0.8987	38.29	38.29	NO	1.000	1.000	50.9	102	NO
7	OCDD	3.90e5	9.26e5	0.89	0.87	NO	0.8524	41.30	41.31	NO	1.000	1.000	98.9	98.9	NO
8	2,3,7,8-TCDF	1.77e5	2.35e6	0.77	0.75	NO	0.7466	26.17	26.18	NO	1.000	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	7.14e5	1.60e6	1.55	1.56	NO	0.8771	29.99	30.00	NO	1.000	1.001	51.1	102	NO
10	2,3,4,7,8-PeCDF	7.37e5	1.52e6	1.55	1.55	NO	0.9621	31.01	31.00	NO	1.001	1.000	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	9.59e5	1.24	1.22	NO	0.9202	33.59	33.59	NO	1.000	1.000	51.3	103	NO
12	1,2,3,6,7,8-HxCDF	5.00e5	1.06e6	1.24	1.21	NO	0.9363	33.73	33.73	NO	1.001	1.001	50.6	101	NO
13	2,3,4,6,7,8-HxCDF	4.45e5	8.95e5	1.24	1.20	NO	0.9725	34.42	34.41	NO	1.001	1.000	51.1	102	NO
14	1,2,3,7,8,9-HxCDF	3.64e5	7.75e5	1.24	1.22	NO	0.9396	35.49	35.50	NO	1.000	1.001	50.0	100	NO
15	1,2,3,4,6,7,8-HpCDF	3.19e5	6.06e5	1.04	1.02	NO	1.0481	37.11	37.11	NO	1.000	1.001	50.2	100	NO
16	1,2,3,4,7,8,9-HpCDF	2.52e5	4.78e5	1.04	1.00	NO	1.0453	38.95	38.96	NO	1.000	1.001	50.3	101	NO
17	OCDF	4.41e5	1.10e6	0.89	0.91	NO	0.7712	41.63	41.63	NO	1.000	1.000	104	104	NO
18	13C-2,3,7,8-TCDD	1.65e6	1.49e6	0.77	0.77	NO	1.1040	26.78	26.77	NO	1.027	1.027	100	100	NO

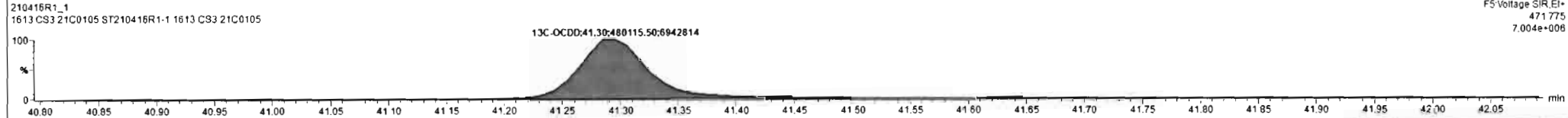
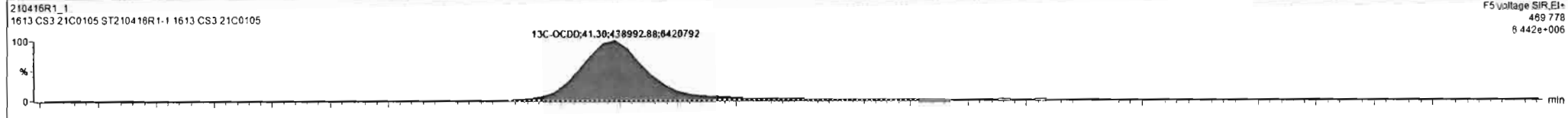


Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_1.qld  
Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.54e5	1.65e6	0.77	0.75	NO	0.9291	26.80	26.80	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.81e5	1.16e6	0.63	0.61	NO	0.8257	31.20	31.18	NO	1.001	1.000	50.3	101	NO
3	1,2,3,4,7,8-HxCDD	3.58e5	7.22e5	1.24	1.25	NO	0.9725	34.53	34.52	NO	1.001	1.000	51.1	102	NO
4	1,2,3,6,7,8-HxCDD	3.69e5	8.27e5	1.24	1.24	NO	0.8771	34.65	34.65	NO	1.001	1.001	50.9	102	NO
5	1,2,3,7,8,9-HxCDD	3.63e5	8.17e5	1.24	1.25	NO	0.8739	34.94	34.94	NO	1.000	1.000	50.9	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.56e5	5.59e5	1.04	1.04	NO	0.9987	38.29	38.29	NO	1.000	1.000	50.9	102	NO
7	OCDD	3.90e5	8.18e5	0.89	0.87	NO	0.8524	41.30	41.31	NO	1.000	1.000	99.6	99.6	NO
8	2,3,7,8-TCDF	1.77e5	2.35e6	0.77	0.75	NO	0.7466	26.17	26.18	NO	1.000	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	7.14e5	1.60e6	1.55	1.56	NO	0.8771	29.99	30.00	NO	1.000	1.001	51.1	102	NO
10	1,2,3,4,7,8-PeCDF	7.37e5	1.52e6	1.55	1.55	NO	0.9621	31.01	31.00	NO	1.001	1.000	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	9.59e5	1.24	1.22	NO	0.9202	33.59	33.59	NO	1.000	1.000	51.3	103	NO
12	1,2,3,6,7,8-HxCDF	5.00e5	1.06e6	1.24	1.21	NO	0.9363	33.73	33.73	NO	1.001	1.001	50.6	101	NO
13	1,2,3,4,6,7,8-HxCDF	4.45e5	8.95e5	1.24	1.20	NO	0.9725	34.42	34.41	NO	1.001	1.000	51.1	102	NO
14	1,2,3,7,8,9-HxCDF	3.64e5	7.75e5	1.24	1.22	NO	0.9396	35.49	35.50	NO	1.000	1.001	50.0	100	NO
15	1,2,3,4,6,7,8-HpCDF	3.19e5	6.06e5	1.04	1.02	NO	1.0481	37.11	37.11	NO	1.000	1.001	50.2	100	NO
16	1,2,3,4,7,8,9-HpCDF	2.52e5	4.78e5	1.04	1.00	NO	1.0453	38.95	38.96	NO	1.000	1.001	50.3	101	NO
17	OCDF	4.41e5	1.10e6	0.89	0.91	NO	0.7712	41.63	41.63	NO	1.000	1.000	104	104	NO
18	13C-2,3,7,8-TCDD	1.85e6	1.49e6	0.77	0.77	NO	1.1040	26.78	26.77	NO	1.027	1.027	100	100	NO



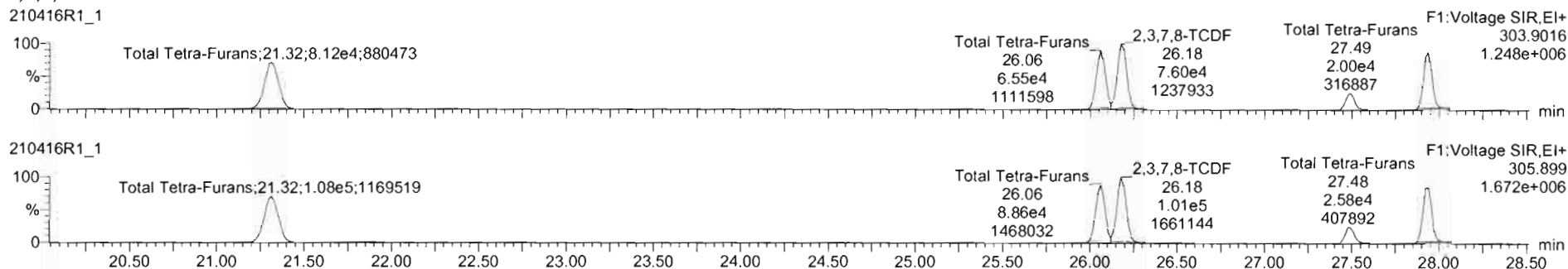
Regdy 210416R1\_1 CAP NUM

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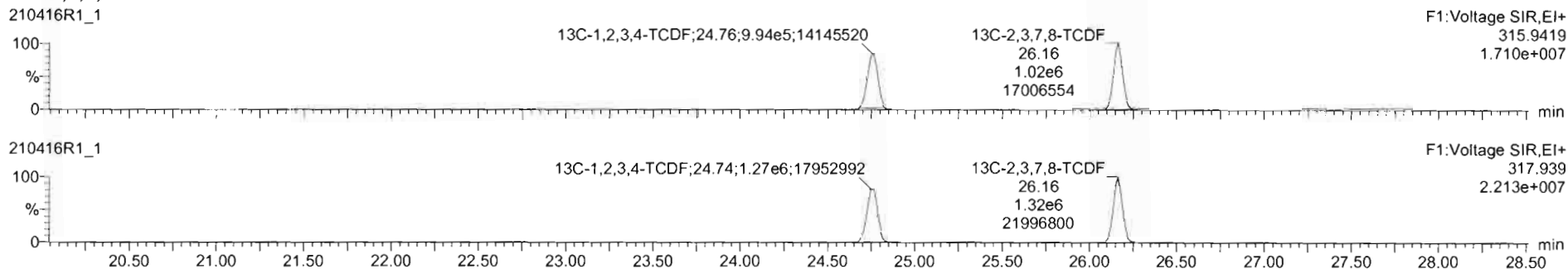
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Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

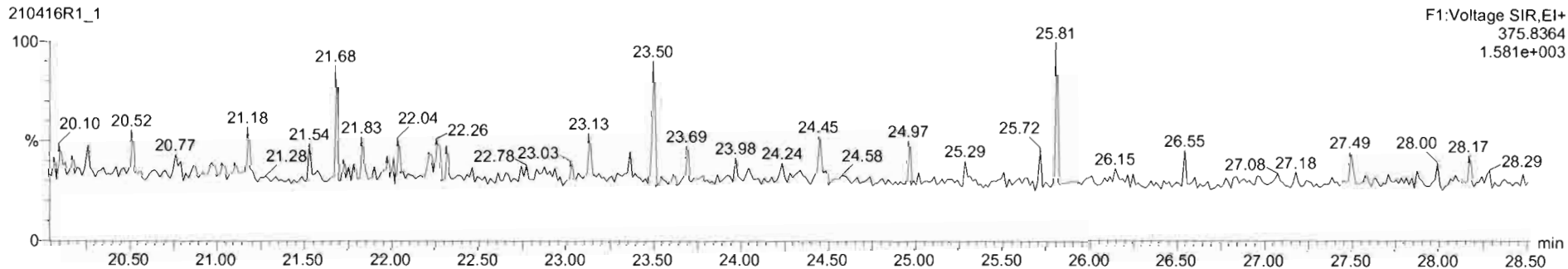
**2,3,7,8-TCDF**



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



**DPE1**





Dataset: U:\VG12.PRO\Results\210416R1\210416R1\_1.qld

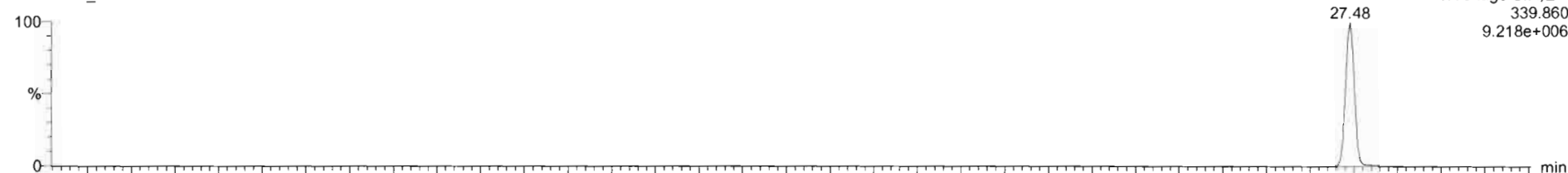
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Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

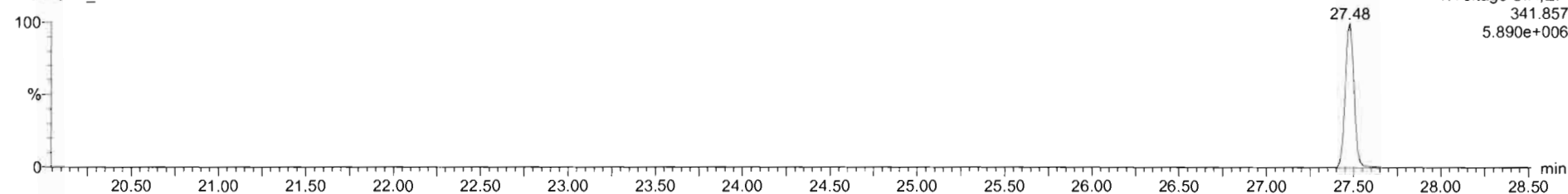
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210416R1\_1

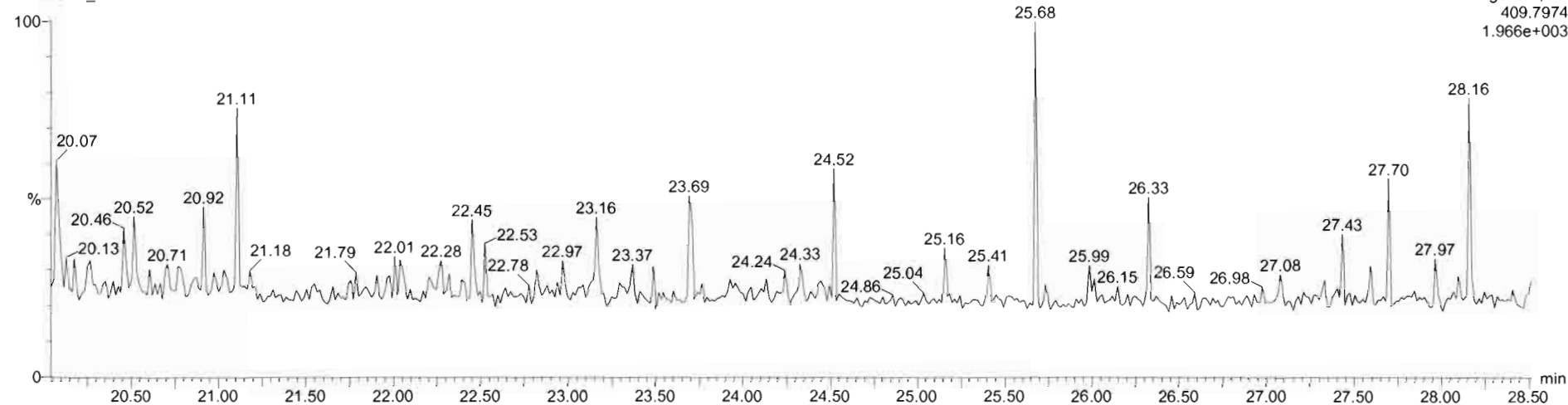


210416R1\_1



DPE6

210416R1\_1



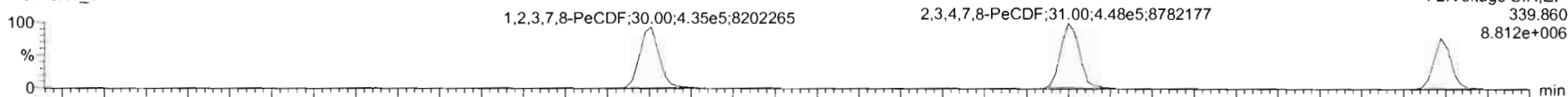
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Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

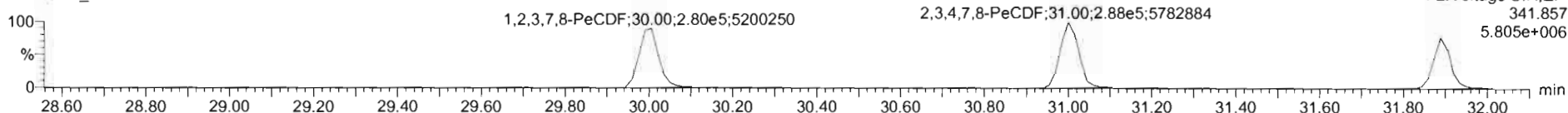
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**1,2,3,7,8-PeCDF**

210416R1\_1

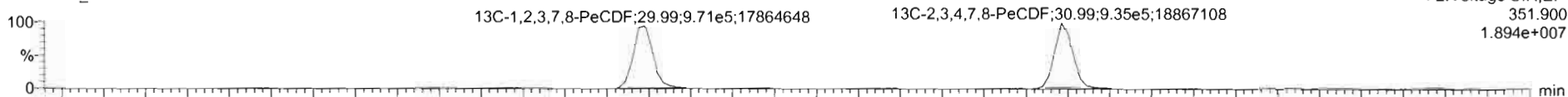


210416R1\_1

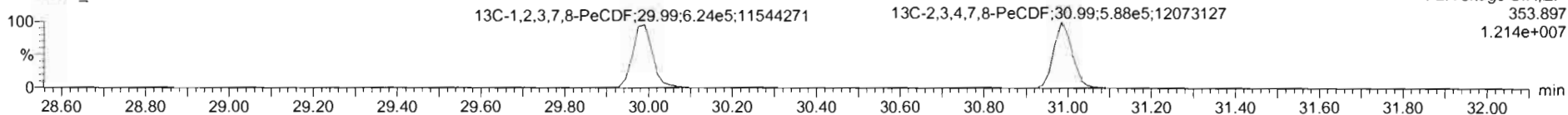


**13C-1,2,3,7,8-PeCDF**

210416R1\_1

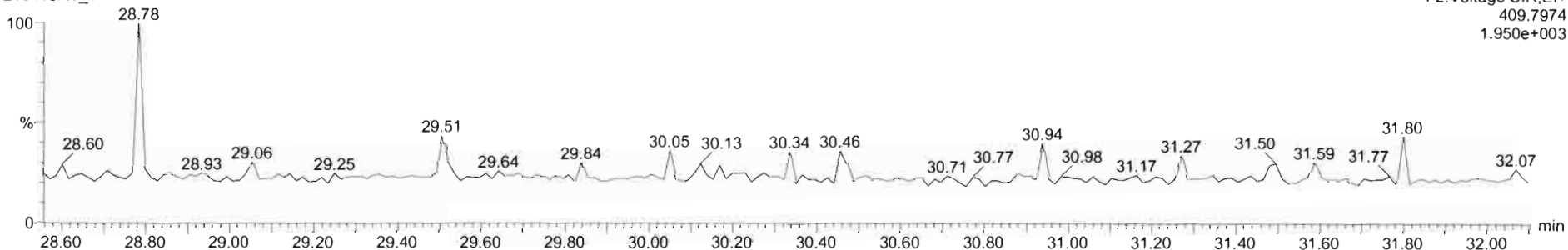


210416R1\_1



**DPE2**

210416R1\_1

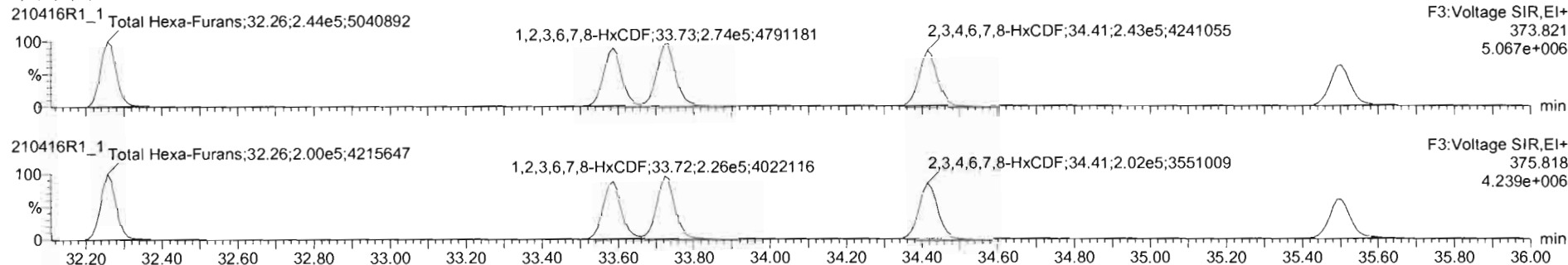


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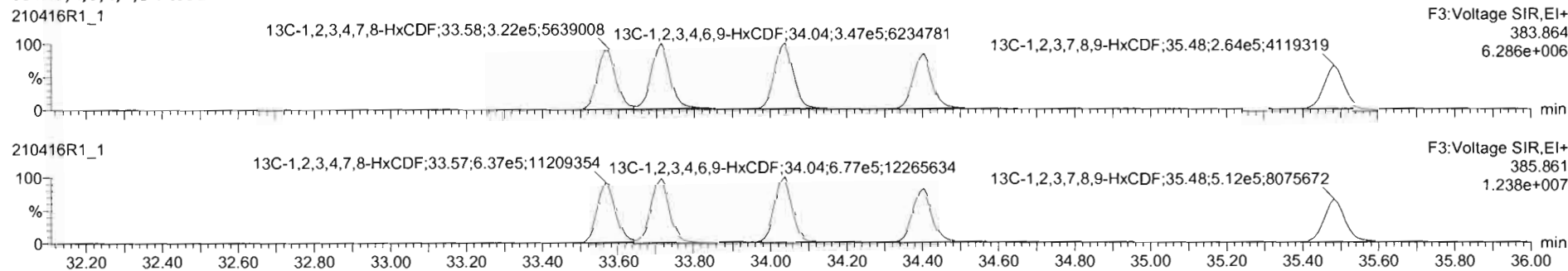
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Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

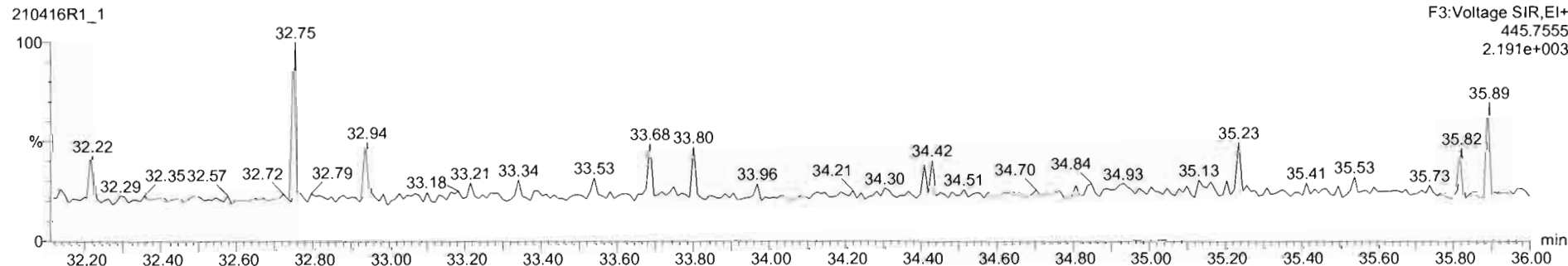
**1,2,3,4,7,8-HxCDF**



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



**DPE3**



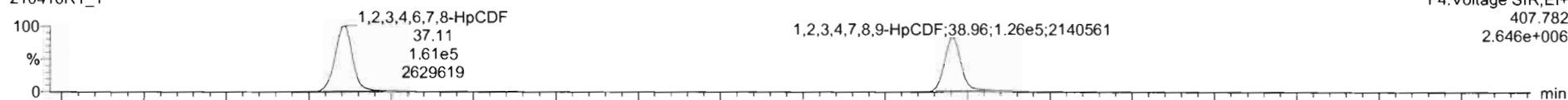
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Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

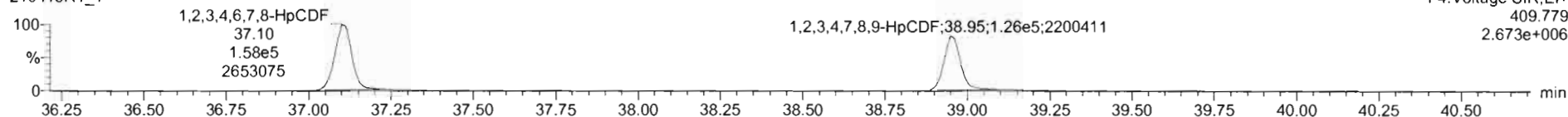
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**1,2,3,4,6,7,8-HpCDF**

210416R1\_1

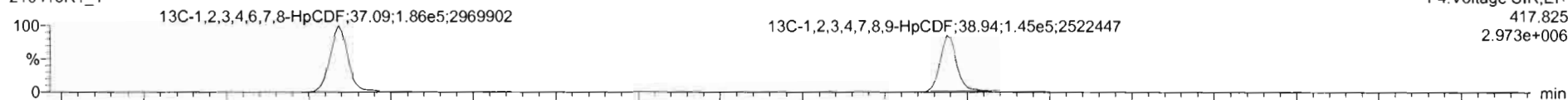


210416R1\_1

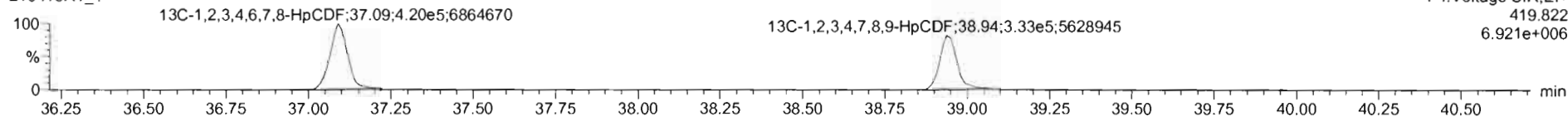


**13C-1,2,3,4,6,7,8-HpCDF**

210416R1\_1

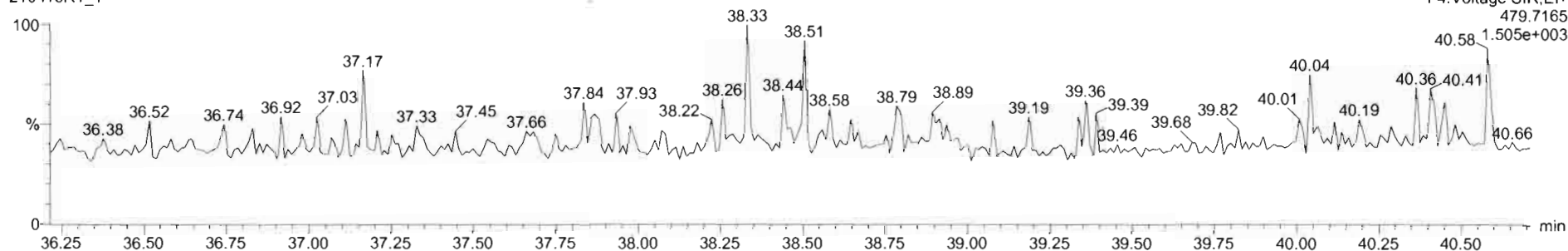


210416R1\_1

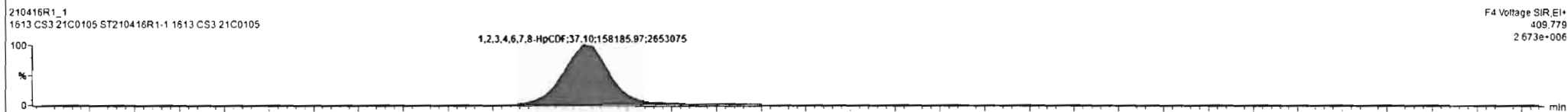


**DPE4**

210416R1\_1



#	Name	Resp	IS Resp	Prod RA	RA	nLy	RRF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	1.54e5	1.65e6	0.77	0.75	NO	0.9291	26.80	26.80	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.81e5	1.16e6	0.63	0.61	NO	0.8257	31.20	31.18	NO	1.001	1.000	50.3	101	NO
3	1,2,3,4,7,8-HxCDD	3.58e5	7.22e5	1.24	1.25	NO	0.9725	34.53	34.52	NO	1.001	1.000	51.1	102	NO
4	1,2,3,6,7,8-HxCDD	3.69e5	8.27e5	1.24	1.24	NO	0.8771	34.65	34.65	NO	1.001	1.001	50.9	102	NO
5	1,2,3,7,8,9-HxCDD	3.63e5	8.17e5	1.24	1.25	NO	0.8739	34.94	34.94	NO	1.000	1.000	50.9	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.58e5	5.59e5	1.04	1.04	NO	0.8987	38.29	38.29	NO	1.000	1.000	50.9	102	NO
7	OCDD	3.90e5	9.19e5	0.89	0.87	NO	0.8524	41.30	41.31	NO	1.000	1.000	99.6	99.6	NO
8	2,3,7,8-TCDF	1.77e5	2.35e6	0.77	0.75	NO	0.7466	26.17	26.18	NO	1.000	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	7.14e5	1.60e6	1.55	1.56	NO	0.8771	29.99	30.00	NO	1.000	1.001	51.1	102	NO
10	2,3,4,7,8-PeCDF	7.37e5	1.52e6	1.55	1.55	NO	0.9621	31.01	31.00	NO	1.001	1.000	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	9.59e5	1.24	1.22	NO	0.9202	33.59	33.59	NO	1.000	1.000	51.3	103	NO
12	1,2,3,6,7,8-HxCDF	5.00e5	1.06e6	1.24	1.21	NO	0.9363	33.73	33.73	NO	1.001	1.001	50.6	101	NO
13	2,3,4,6,7,8-HxCDF	4.45e5	8.95e5	1.24	1.20	NO	0.9725	34.42	34.41	NO	1.001	1.000	51.1	102	NO
14	1,2,3,7,8,9-HxCDF	3.64e5	7.75e5	1.24	1.22	NO	0.9396	35.49	35.50	NO	1.000	1.001	50.0	100	NO
15	1,2,3,4,6,7,8-HpCDF	3.19e5	6.95e5	1.04	1.02	NO	1.0481	37.11	37.11	NO	1.000	1.001	50.4	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.52e5	4.78e5	1.04	1.00	NO	1.0453	38.95	38.96	NO	1.000	1.001	50.3	101	NO
17	OCDF	4.41e5	1.10e6	0.89	0.91	NO	0.7712	41.63	41.63	NO	1.000	1.000	104	104	NO
18	13C-2,3,7,8-TCDD	1.65e6	1.49e6	0.77	0.77	NO	1.1040	26.78	26.77	NO	1.027	1.027	100	100	NO



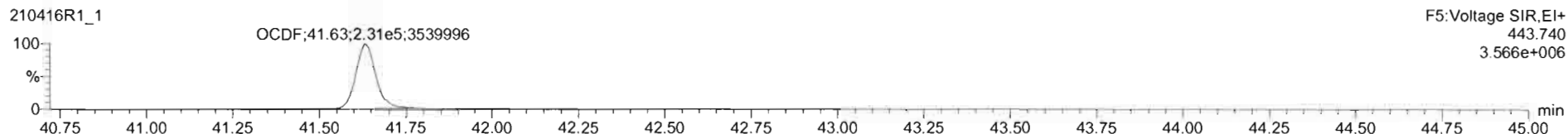
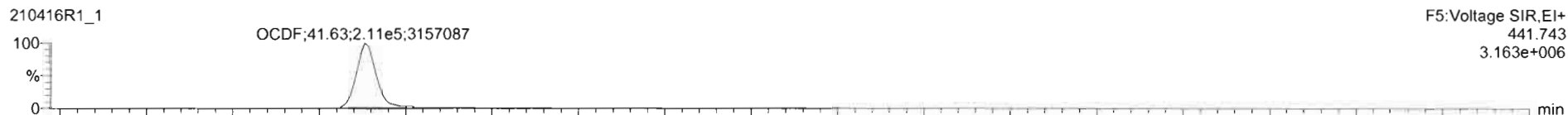
Regdx 210416R1\_1 CAP NUM

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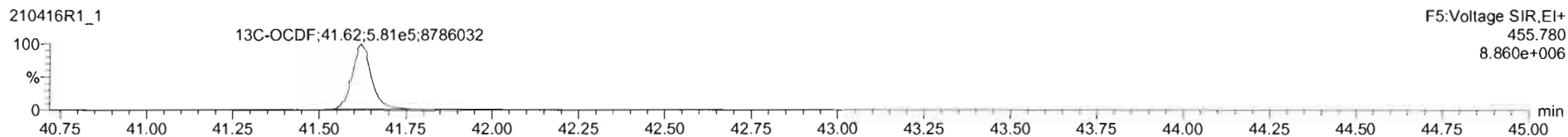
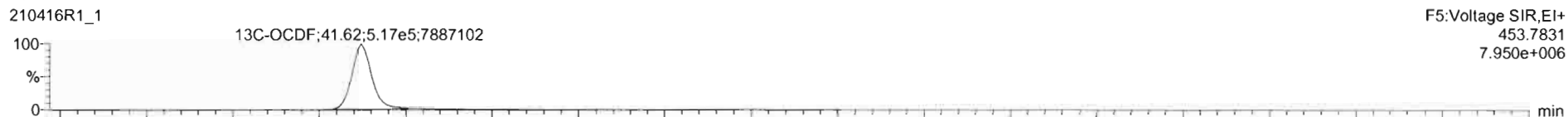
Last Altered: Friday, April 16, 2021 11:43:40 Pacific Daylight Time  
Printed: Saturday, April 17, 2021 09:11:22 Pacific Daylight Time

Name: 210416R1\_1, Date: 16-Apr-2021, Time: 10:56:57, ID: ST210416R1-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

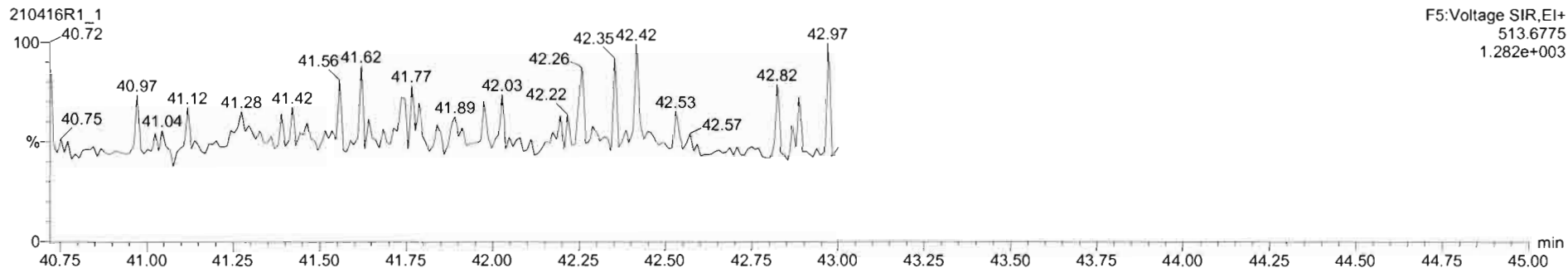
**OCDF**



**13C-OCDF**



**DPE5**



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.54e5	1.65e6	0.77	0.75	NO	0.9291	26.80	26.80	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.81e5	1.16e6	0.63	0.61	NO	0.8257	31.20	31.18	NO	1.001	1.000	50.3	101	NO
3	1,2,3,4,7,8-HxCDD	3.58e5	7.22e5	1.24	1.25	NO	0.9725	34.53	34.52	NO	1.001	1.000	51.1	102	NO
4	1,2,3,6,7,8-HxCDD	3.69e5	8.27e5	1.24	1.24	NO	0.8771	34.65	34.65	NO	1.001	1.001	50.9	102	NO
5	1,2,3,7,8,9-HxCDD	3.63e5	8.17e5	1.24	1.25	NO	0.8739	34.94	34.94	NO	1.000	1.000	50.9	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.58e5	5.59e5	1.04	1.04	NO	0.8987	38.29	38.29	NO	1.000	1.000	50.9	102	NO
7	OCDD	3.90e5	9.19e5	0.89	0.87	NO	0.8524	41.30	41.31	NO	1.000	1.000	99.5	99.5	NO
8	2,3,7,8-TCDF	1.77e5	2.35e6	0.77	0.75	NO	0.7466	26.17	26.18	NO	1.000	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	7.14e5	1.60e6	1.55	1.56	NO	0.8771	29.99	30.00	NO	1.000	1.001	51.1	102	NO
10	2,3,4,7,8-PeCDF	7.37e5	1.52e6	1.55	1.55	NO	0.9621	31.01	31.00	NO	1.001	1.000	50.3	101	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	9.59e5	1.24	1.22	NO	0.9202	33.59	33.59	NO	1.000	1.000	51.3	103	NO
12	1,2,3,6,7,8-HxCDF	5.00e5	1.06e6	1.24	1.21	NO	0.9363	33.73	33.73	NO	1.001	1.001	50.6	101	NO
13	2,3,4,6,7,8-HxCDF	4.45e5	8.95e5	1.24	1.20	NO	0.9725	34.42	34.41	NO	1.001	1.000	51.1	102	NO
14	1,2,3,7,8,9-HxCDF	3.64e5	7.75e5	1.24	1.22	NO	0.9396	35.49	35.50	NO	1.000	1.001	50.0	100	NO
15	1,2,3,4,6,7,8-HpCDF	3.19e5	6.05e5	1.04	1.02	NO	1.0481	37.11	37.11	NO	1.000	1.001	50.4	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.52e5	4.78e5	1.04	1.00	NO	1.0453	38.95	38.96	NO	1.000	1.001	50.3	101	NO
17	OCDF	4.38e5	1.10e6	0.89	0.90	NO	0.7712	41.63	41.63	NO	1.000	1.000	104	104	NO
18	13C-2,3,7,8-TCDD	1.65e6	1.49e6	0.77	0.77	NO	1.1040	26.78	26.77	NO	1.027	1.027	100	100	NO



Regds. 210416R1\_1 CAP NUM

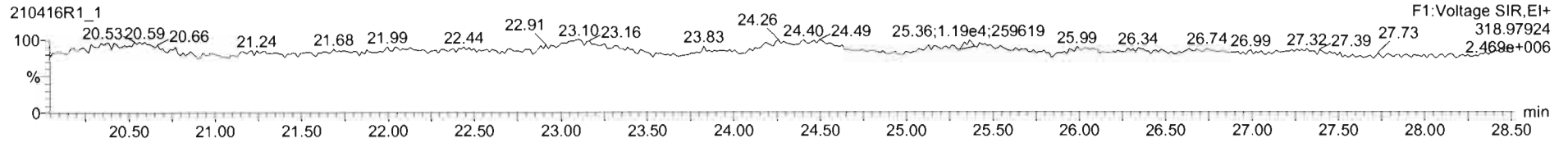
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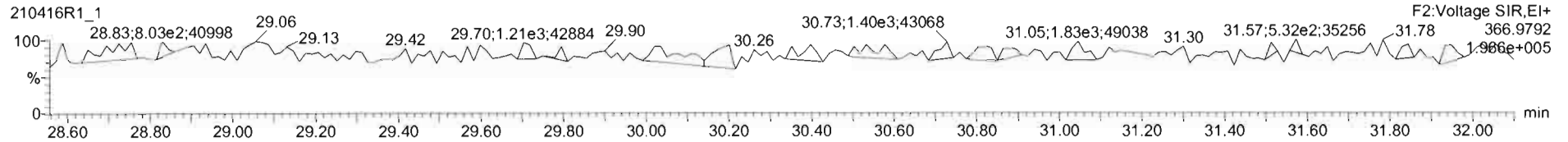
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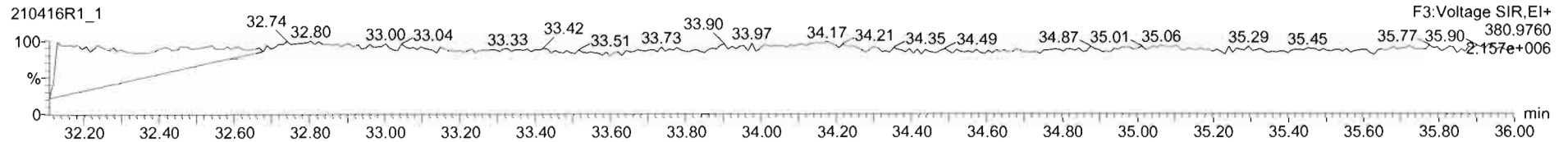
PFK1



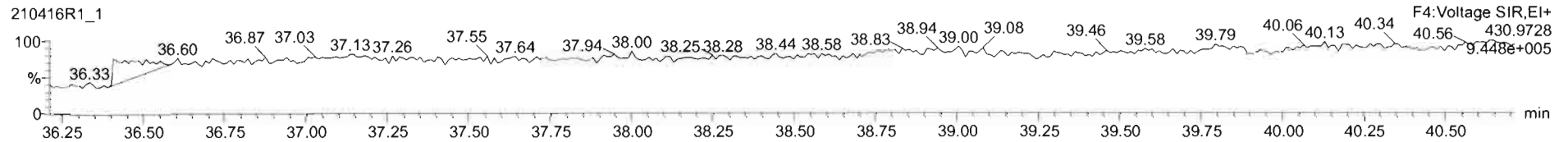
PFK2



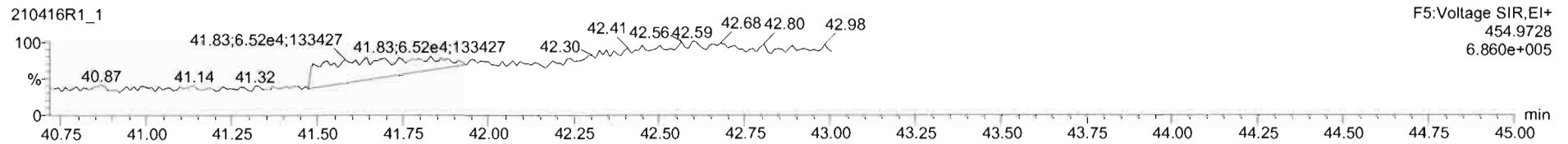
PFK3



PFK4



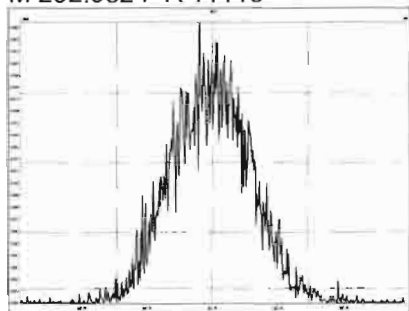
PFK5



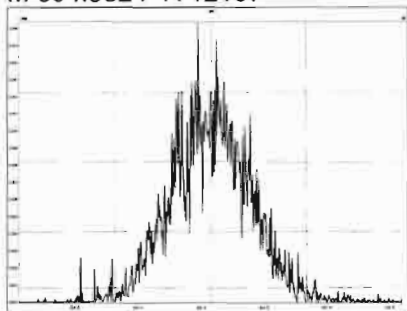


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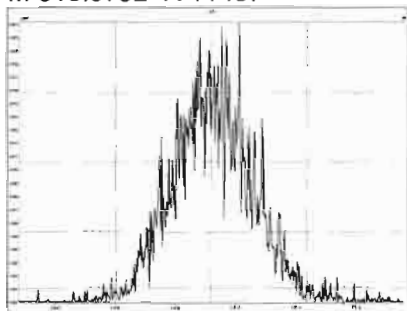
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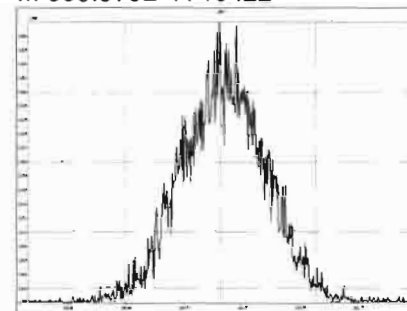
M 304.9824 R 12167



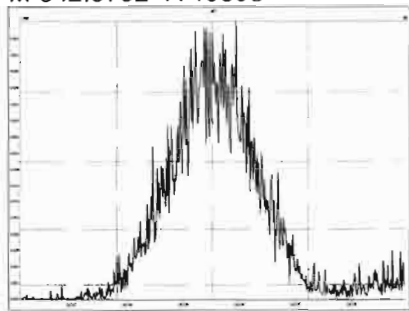
M 318.9792 R 11487



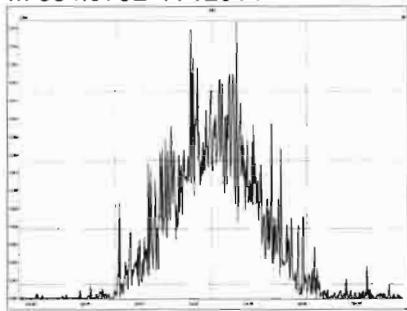
M 330.9792 R 10422



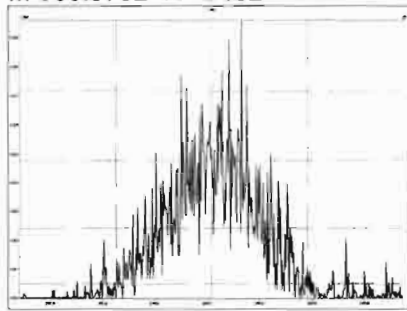
M 342.9792 R 10508



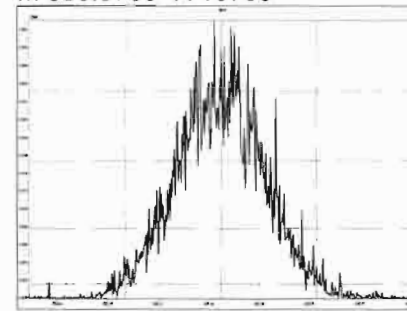
M 354.9792 R 12014



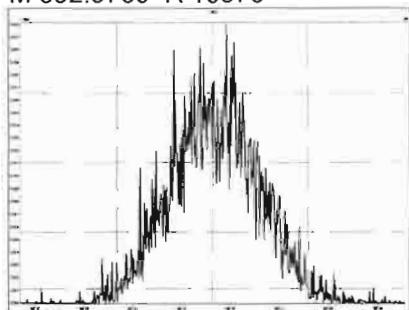
M 366.9792 R 12452



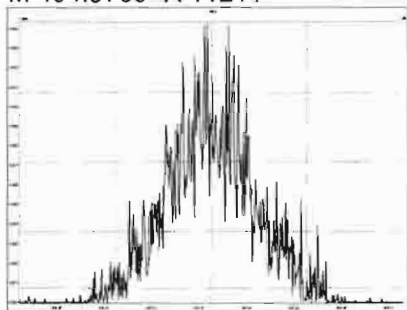
M 380.9760 R 10756



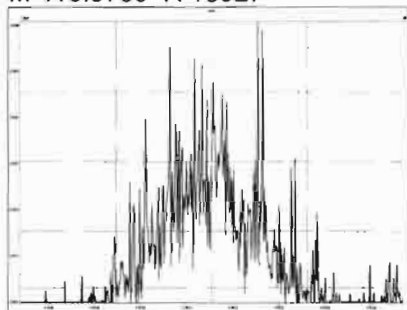
M 392.9760 R 10576



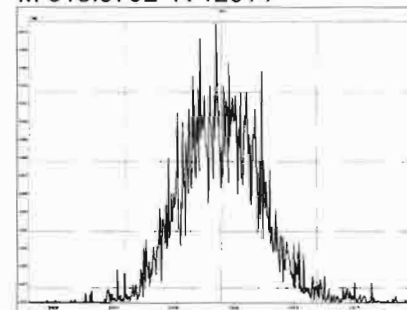
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M 416.9760 R 13527

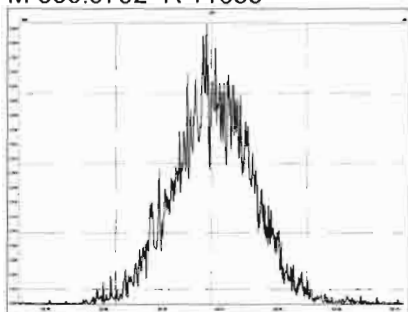


M 318.9792 R 12014

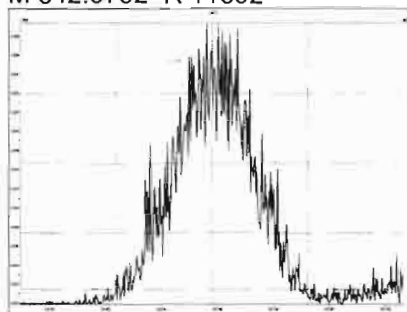


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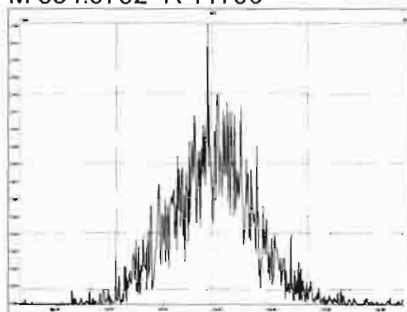
M 330.9792 R 11688



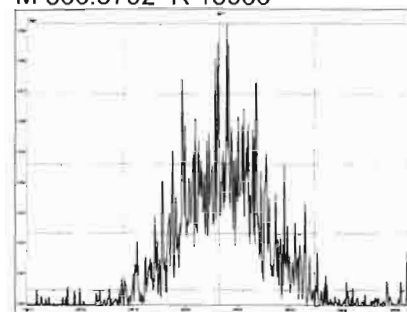
M 342.9792 R 11392



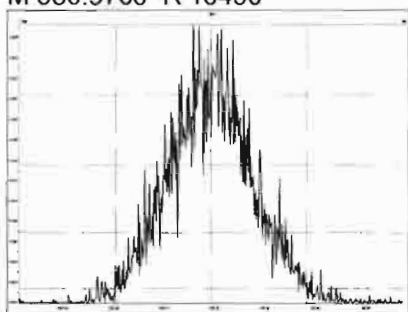
M 354.9792 R 11796



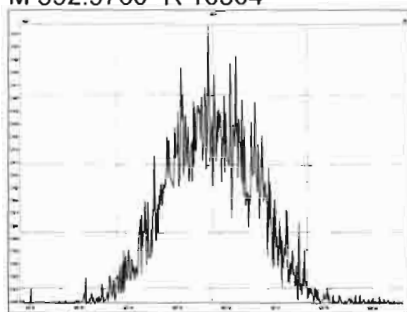
M 366.9792 R 13966



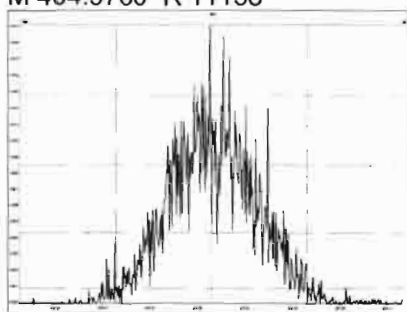
M 380.9760 R 10490



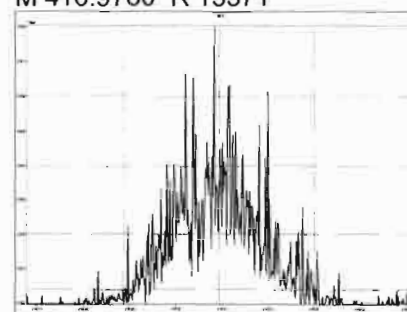
M 392.9760 R 10504



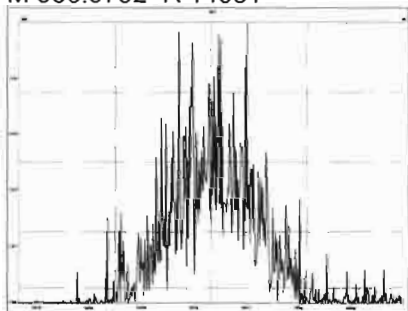
M 404.9760 R 11138



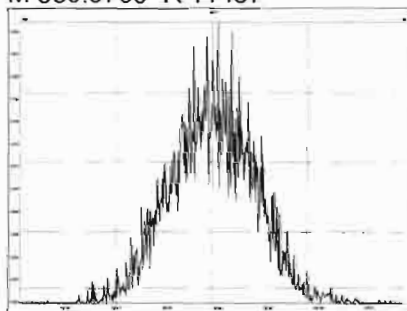
M 416.9760 R 13571



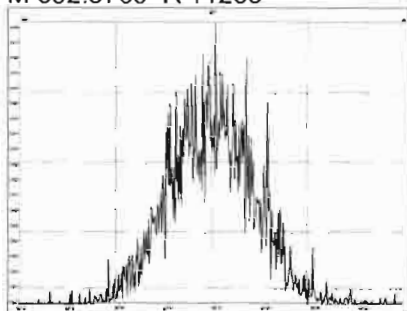
M 366.9792 R 14051



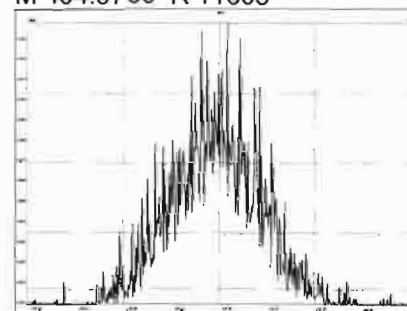
M 380.9760 R 11497



M 392.9760 R 11235

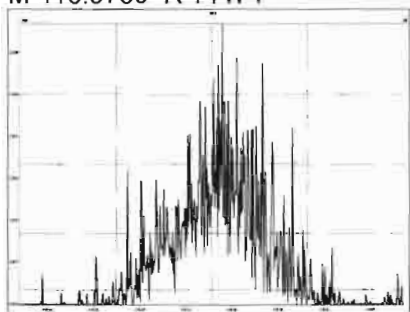


M 404.9760 R 11603

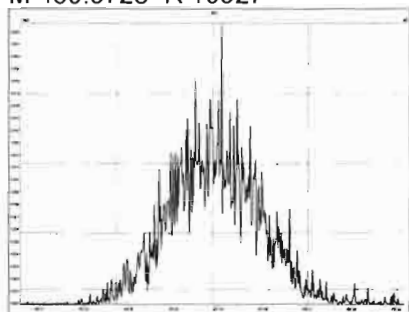


Printed: Friday, April 16, 2021 14:24:07 Pacific Daylight Time

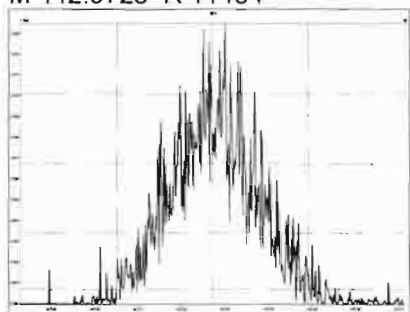
M 416.9760 R 14474



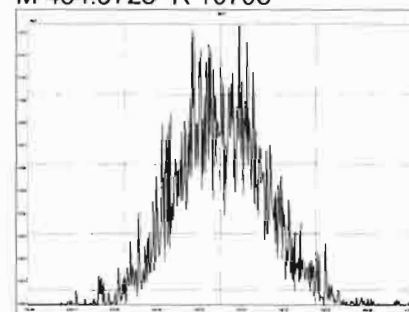
M 430.9728 R 10927



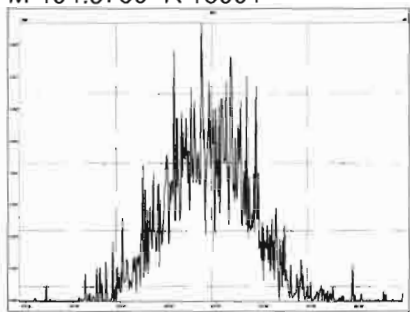
M 442.9728 R 11434



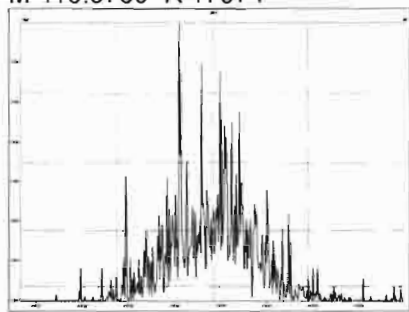
M 454.9728 R 10708



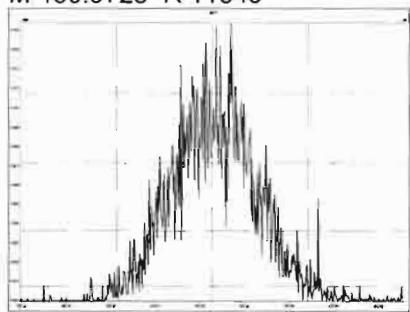
M 404.9760 R 13001



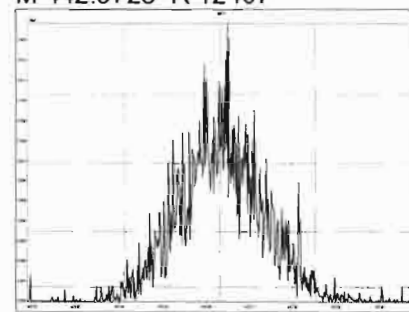
M 416.9760 R 17074



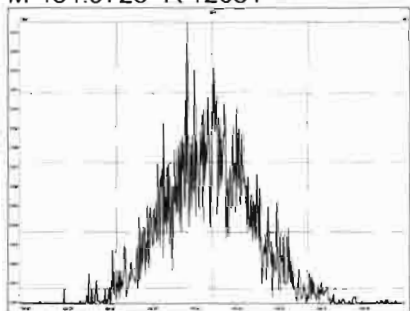
M 430.9728 R 11549



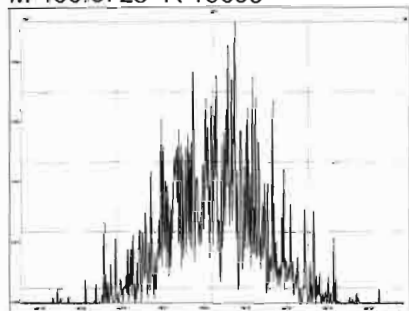
M 442.9728 R 12407



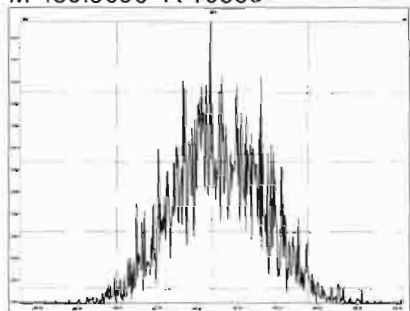
M 454.9728 R 12681



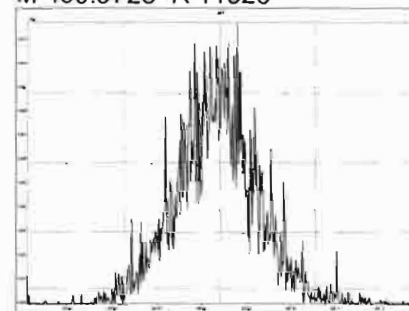
M 466.9728 R 13699



M 480.9696 R 10336

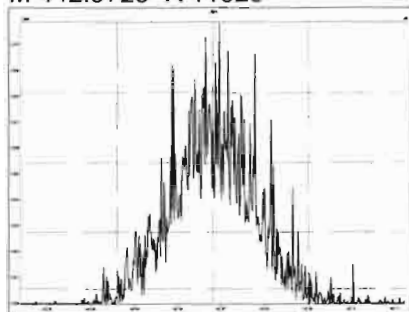


M 430.9728 R 11926

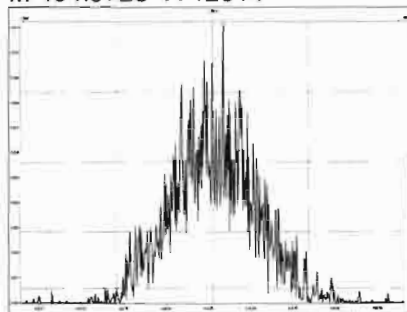


Printed: Friday, April 16, 2021 14:24:07 Pacific Daylight Time

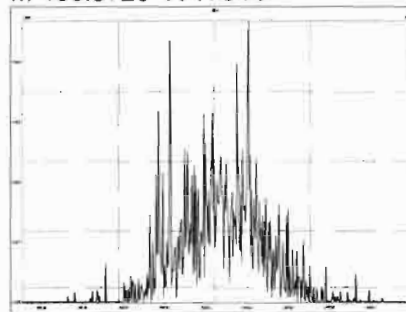
M 442.9728 R 11925



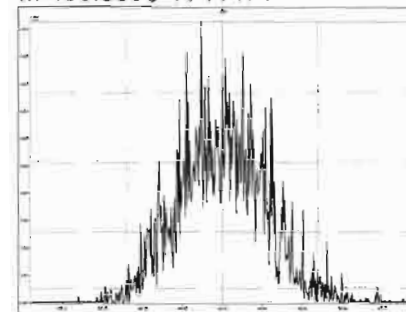
M 454.9728 R 12814



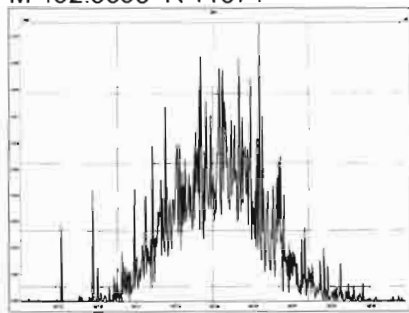
M 466.9728 R 17844



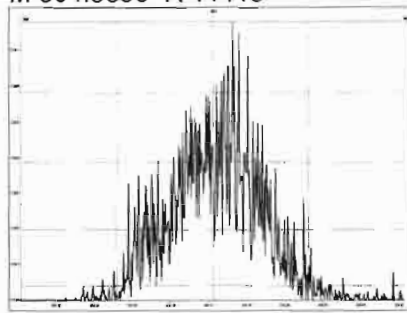
M 480.9696 R 11471



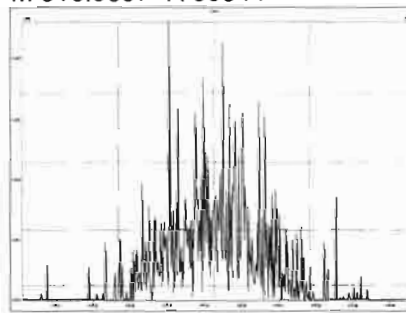
M 492.9696 R 11374



M 504.9696 R 11415



M 516.9697 R 56544



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST210505HI-1

Reviewed By: FIN 05/06/21  
*Initials & Date*

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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>DF</u>	<u>DF</u>
<b>Run Log:</b>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Samples within 12 hour clock?	<u>Y</u>	<u>N</u>
- Bottle position verified?	<u>DF</u>	<u>DF</u>

Mass resolution  $\geq$

5k    6-8K    8K    10K

1614   1699   429   1613/1668/8280

	<u>Beg.</u>	<u>End</u>
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC Break <20%	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**8280 CS1 End Standard:**

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

**Comments:**  
 Ⓐ Some masses did not centroid.

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time

Printed: Thursday, May 06, 2021 09:48:15 Pacific Daylight Time

DF 05/06/21

HN 05/06/21

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	4 Lindane (gamma-...	2.81e5	3.24e5	2.16	NO	0.847	1.000	26.54	1.001	1.000	NO	51.175	102.75	0.180	51.2
2	9 Aldrin	2.98e5	2.76e5	1.64	NO	1.12	1.000	30.82	1.001	1.001	NO	48.362	96.7	0.0357	48.4
3	10 Oxychlorane	7.96e4	7.39e4	1.53	NO	1.11	1.000	33.38	1.001	1.001	NO	48.691	97.4	0.107	48.7
4	13 trans-Chlordane (g...	7.30e4	6.18e4	1.62	NO	1.19	1.000	35.08	1.000	1.001	NO	49.438	98.9	0.115	49.4
5	14 trans-Nonachlor	7.17e4	7.13e4	1.61	NO	1.09	1.000	35.27	1.001	1.000	NO	46.143	92.3	0.0997	46.1
6	15 cis-Chlordane	8.02e4	7.13e4	1.60	NO	1.20	1.000	35.75	1.015	1.016	NO	46.728	93.5	0.0903	46.7
7	18 2,4'-DDE	1.46e6	1.47e6	1.50	NO	1.01	1.000	35.72	1.000	1.000	NO	49.075	98.2	0.0678	49.1
8	19 4,4'-DDE	1.08e6	1.09e6	1.52	NO	1.03	1.000	36.80	1.001	1.000	NO	48.339	96.7	0.0917	48.3
9	20 Dieldrin	1.31e5	1.25e5	1.51	NO	1.05	1.000	37.31	1.001	1.001	NO	49.483	99.0	0.0588	49.5
10	22 cis-Nonachlor	7.20e4	7.18e4	1.58	NO	1.05	1.000	38.99	1.000	1.000	NO	47.531	95.1	0.0998	47.5

Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time

Printed: Thursday, May 06, 2021 09:48:28 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	24 2,4'-DDD	1.13e6	1.12e6	1.50	NO	1.03	1.000	37.93	1.000	1.000	NO	49.167	98.3	0.0759	49.2
2	25 2,4'-DDT	5.89e5	5.97e5	1.53	NO	1.02	1.000	39.06	1.000	1.000	NO	48.498	97.0	0.164	48.5
3	26 4,4'-DDD	1.05e6	9.69e5	1.57	NO	1.10	1.000	39.18	1.000	1.000	NO	49.279	98.6	0.0827	49.3
4	27 4,4'-DDT	5.00e5	4.63e5	1.55	NO	1.11	1.000	40.25	1.000	1.001	NO	48.661	97.3	0.162	48.7
5	36 13C6-Lindane (ga...	3.24e5	1.68e6	0.77	NO	0.190	1.000	26.51	1.019	1.019	NO	50.741	101	10.1	
6	40 13C12-Aldrin	2.76e5	1.68e6	1.56	NO	0.152	1.000	30.77	1.183	1.181	NO	53.787	108	0.0688	
7	41 13C10-Oxychlorda...	7.39e4	1.68e6	1.55	NO	0.0441	1.000	33.35	1.283	1.280	NO	49.735	99.5	0.237	

75-125  
↓  
50-50  
↓



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time

Printed: Thursday, May 06, 2021 09:49:13 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	43 13C10-trans-Chlor...	6.18e4	1.68e6	1.51	NO	0.0390	1.000	35.06	1.348	1.344	NO	47.039	94.1	0.268	
2	44 13C10-trans-Nona...	7.13e4	1.15e6	1.62	NO	0.0772	1.000	35.24	0.983	0.983	NO	40.069	80.1	0.0980	
3	46 13C12-2,4'-DDE	1.47e6	1.15e6	1.60	NO	1.84	1.000	35.70	0.996	0.995	NO	34.692	69.4	0.0484	
4	47 13C12-4,4'-DDE	1.09e6	1.15e6	1.56	NO	1.31	1.000	36.77	1.025	1.026	NO	36.061	72.1	0.0682	
5	48 13C12-Dieldrin	1.25e5	1.15e6	1.67	NO	0.177	1.000	37.28	1.039	1.040	NO	30.687	61.4	0.0420	
6	50 13C10-cis-Nonach...	7.13e4	1.15e6	1.58	NO	0.0908	1.000	38.97	1.087	1.087	NO	34.326	68.7	0.0820	
7	52 13C12-2,4'-DDD	1.12e6	1.15e6	1.55	NO	1.21	1.000	37.92	1.057	1.057	NO	39.988	80.0	0.0565	
8	53 13C12-2,4'-DDT	5.97e5	1.15e6	1.90	NO	0.662	1.000	39.05	1.089	1.089	NO	39.090	78.2	0.104	
9	54 13C12-4,4'-DDD	9.69e5	1.15e6	1.57	NO	0.950	1.000	39.17	1.092	1.092	NO	44.249	88.5	0.0722	
10	55 13C12-4,4'-DDT	4.63e5	1.15e6	1.65	NO	0.455	1.000	40.24	1.122	1.122	NO	44.189	88.4	0.151	
11	62 13C-PCB-15	1.68e6	1.68e6	1.56	NO	1.00	1.000	26.01	1.000	1.000	NO	50.000	100	0.0419	



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 09:55:23 Pacific Daylight Time

Printed: Thursday, May 06, 2021 09:49:17 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210505H1\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	1.15e6	1.15e6	0.81	NO	1.00	1.000	35.86	1.000	1.000	NO	50.000	100	0.0445	

Dataset: Untitled

Last Altered: Thursday, May 06, 2021 10:04:37 Pacific Daylight Time  
Printed: Thursday, May 06, 2021 10:05:26 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

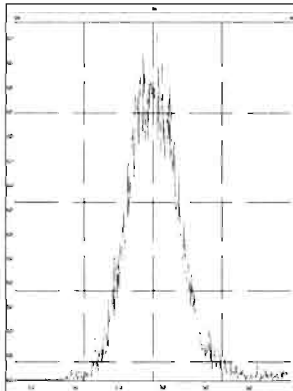
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210505H1_1	ST210505H1_1 1699 CS3 21C0 402	05-May-21	09:04:17
2	210505H1_2	GC210505H1_1 GC BREAK	05-May-21	10:01:24
3	210505H1_3	B1D0210-BS1 OPR 1	05-May-21	10:53:01
4	210505H1_4	SOLVENT BLANK	05-May-21	11:39:54
5	210505H1_5	B1D0210-BLK1 Method Blank 1	05-May-21	12:28:19
6	210505H1_6	2103219-06RE1 USMPDI-069RAB-20-36.3-21...	05-May-21	13:16:49
7	210505H1_7	2103219-03RE1 USMPDI-068RAB-20-32.1-21...	05-May-21	14:05:19
8	210505H1_8	2103216-12RE2 USMPDI-064RAB-10-20-210...	05-May-21	14:53:47
9	210505H1_9	2103216-11RE2 USMPDI-064RAB-00-10-210...	05-May-21	15:42:17
10	210505H1_10	SOLVENT BLANK	05-May-21	16:38:56

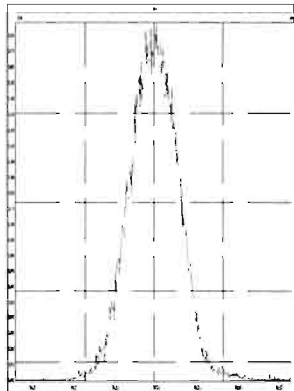
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 08:59:31 Pacific Daylight Time

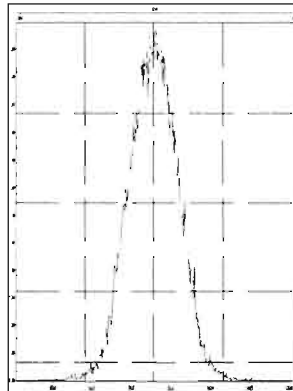
M 254.9856 R 9757



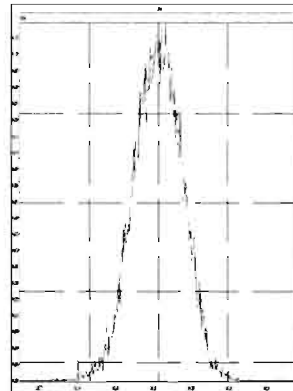
M 268.9824 R 10051



M 280.9824 R 10098



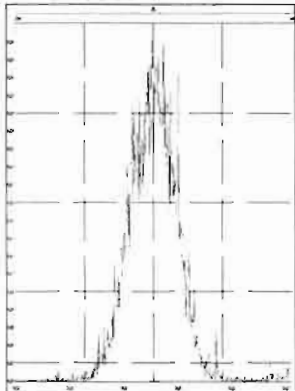
M 292.9824 R 10361



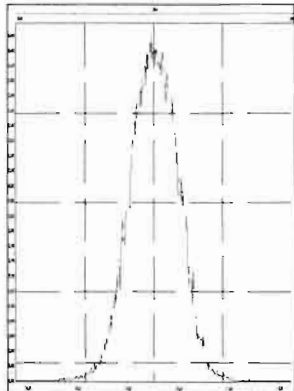
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:00:01 Pacific Daylight Time

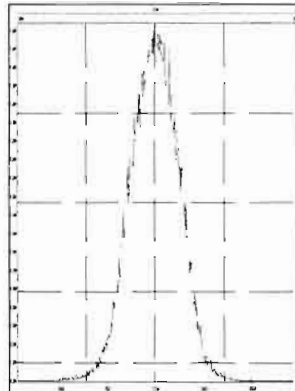
M 204.9888 R 11237



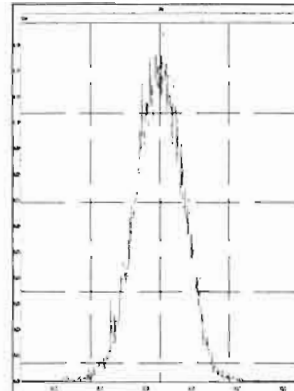
M 218.9856 R 10417



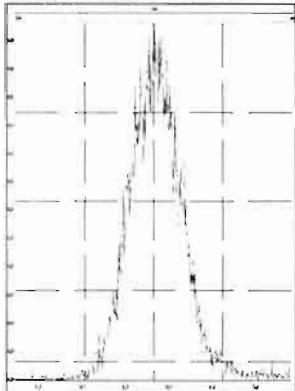
M 230.9856 R 10810



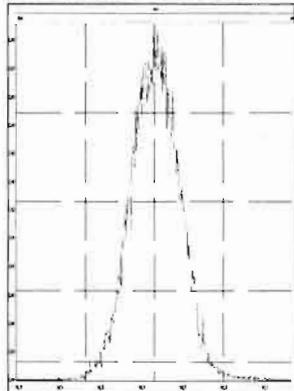
M 242.9856 R 10309



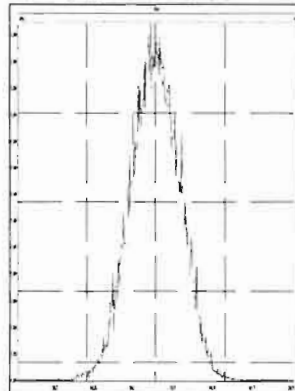
M 254.9856 R 10150



M 268.9824 R 10580



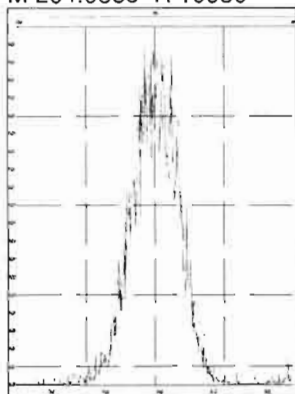
M 280.9824 R 9755



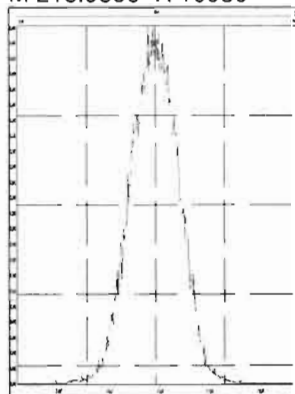
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:00:42 Pacific Daylight Time

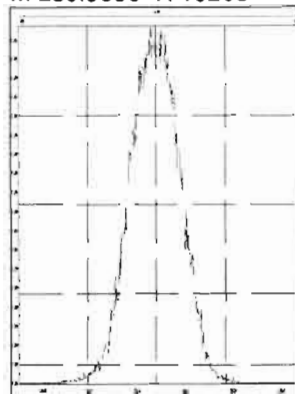
M 204.9888 R 10930



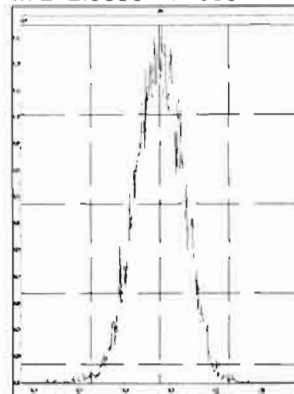
M 218.9856 R 10636



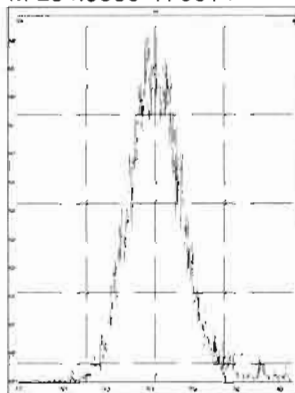
M 230.9856 R 10203



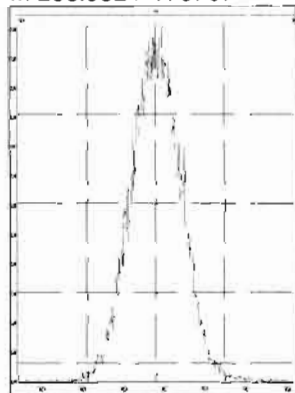
M 242.9856 R 10582



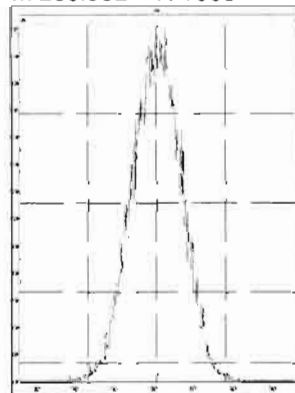
M 254.9856 R 9614



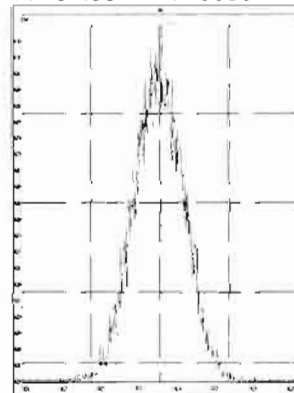
M 268.9824 R 9707



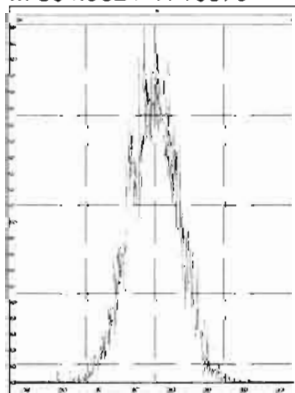
M 280.9824 R 10054



M 292.9824 R 10050



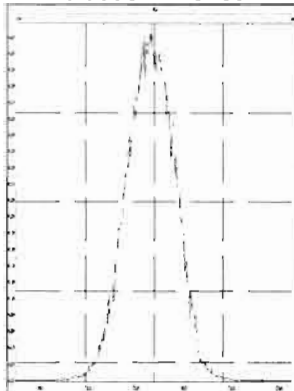
M 304.9824 R 10579



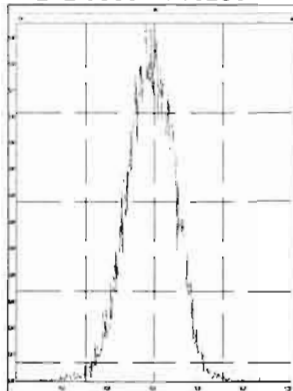
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:01:18 Pacific Daylight Time

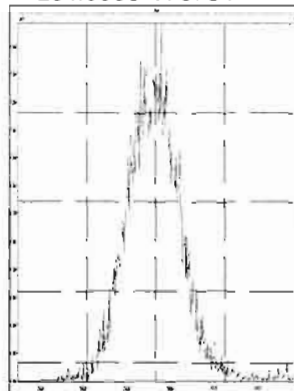
M 230.9856 R 10469



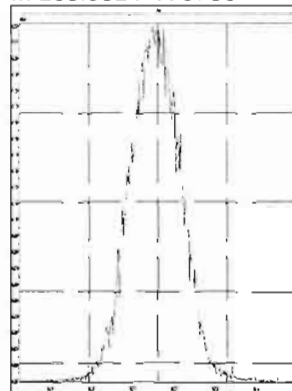
M 242.9856 R 10256



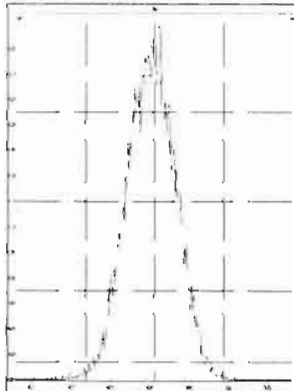
M 254.9856 R 9754



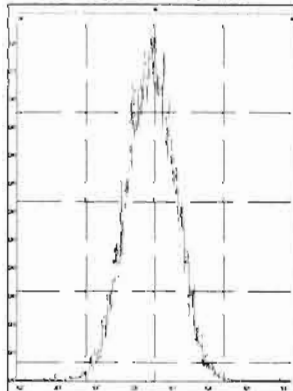
M 268.9824 R 9756



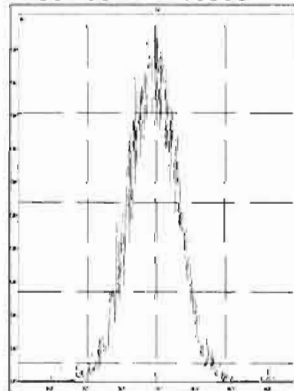
M 280.9824 R 9902



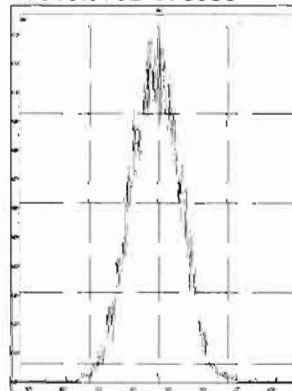
M 292.9824 R 10206



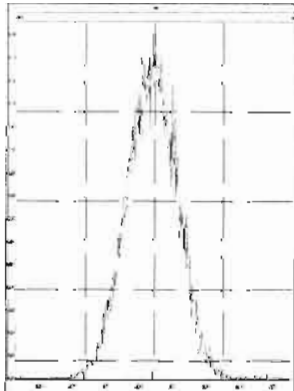
M 304.9824 R 10365



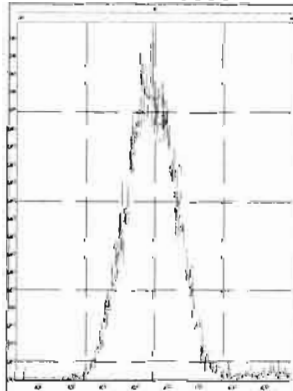
M 318.9792 R 9950



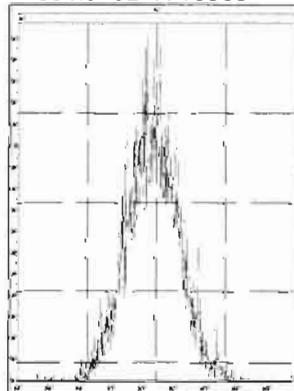
M 330.9792 R 9849



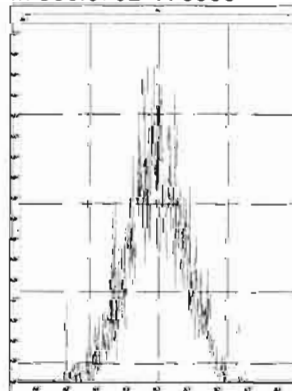
M 342.9792 R 9850



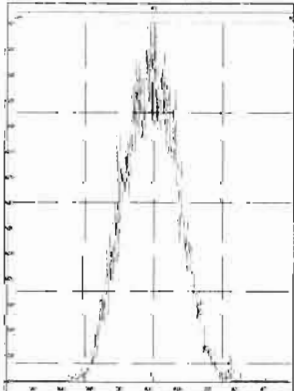
M 354.9792 R 10868



M 366.9792 R 9900



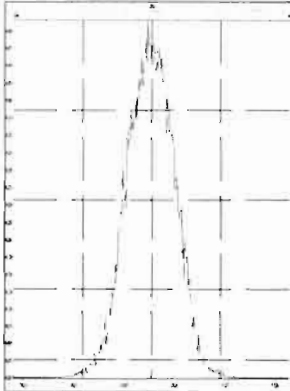
M 380.9760 R 8773



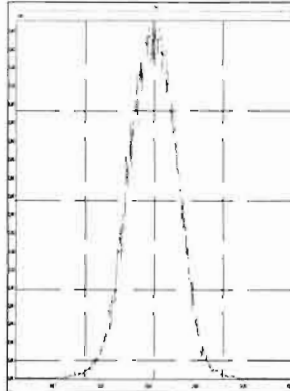
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Wednesday, May 05, 2021 09:01:50 Pacific Daylight Time

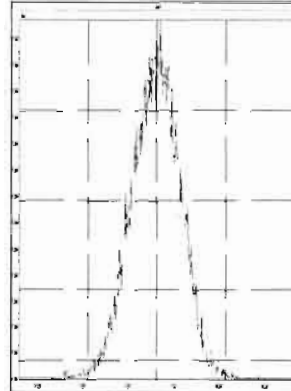
M 218.9856 R 10581



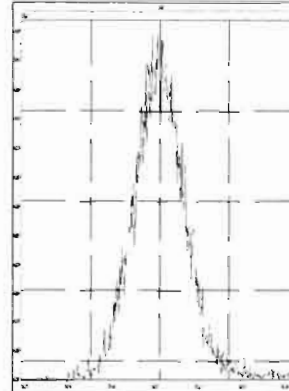
M 230.9856 R 9756



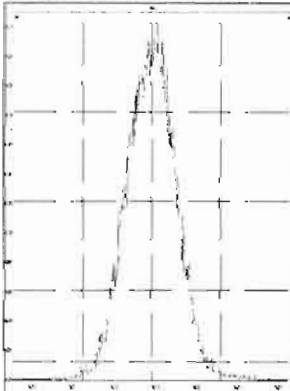
M 242.9856 R 10102



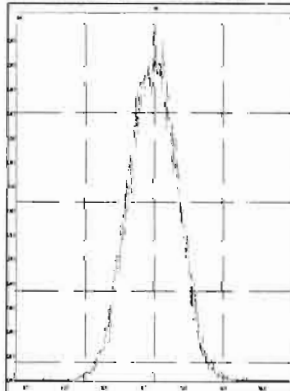
M 254.9856 R 9389



M 268.9824 R 10100



M 280.9824 R 10046



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_2.qld

Last Altered: Thursday, May 06, 2021 09:59:19 Pacific Daylight Time  
Printed: Thursday, May 06, 2021 10:00:40 Pacific Daylight Time

HN 05/06/21

DF 05/06/21

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210505H1\_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1\_1 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde			NO	
2	2 Endrin Ketone	1.02e3	0.49	NO	44.04
3	3 Endrin	1.09e5	1.65	NO	38.72
4	4 4,4'-DDE			NO	
5	5 4,4'-DDD	2.26e4	1.50	NO	39.19
6	6 4,4'-DDT	1.69e6	1.53	NO	40.26

$$\frac{\sum A + \sum K}{KE} \times 100\% = 0.936\%$$

$$\frac{\sum DDE + \sum DDD}{DDT} \times 100\% = \cancel{0.134\%} = 1.34\%$$



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_2.qld

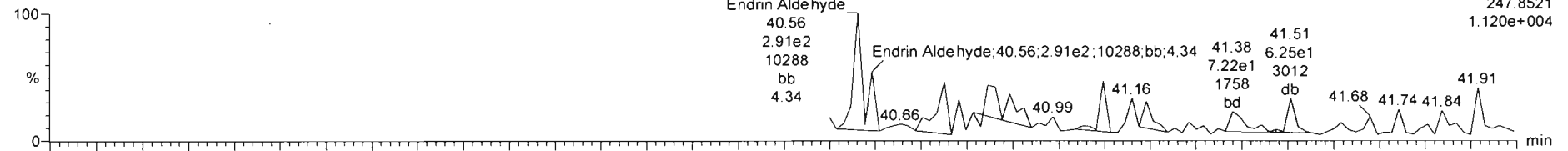
Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time  
Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

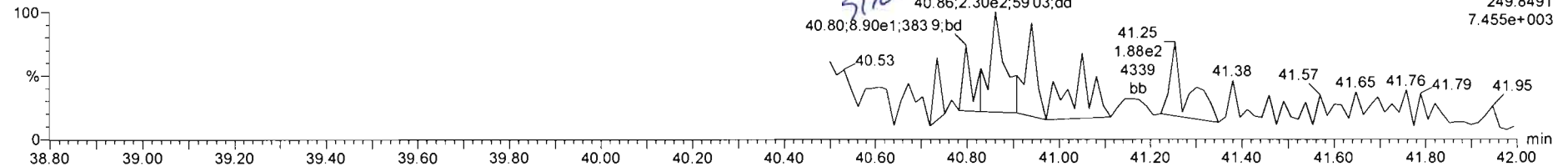
Name: 210505H1\_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1\_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde

210505H1\_2

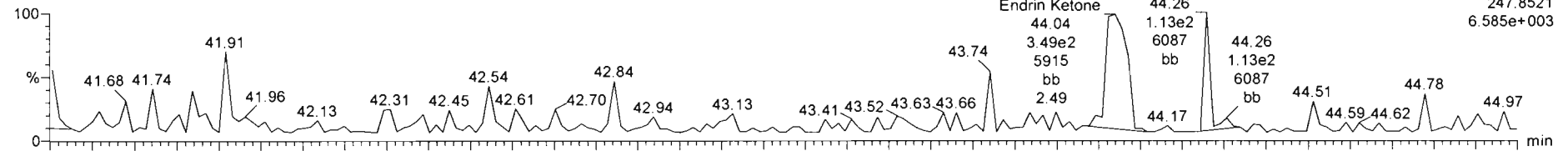


210505H1\_2

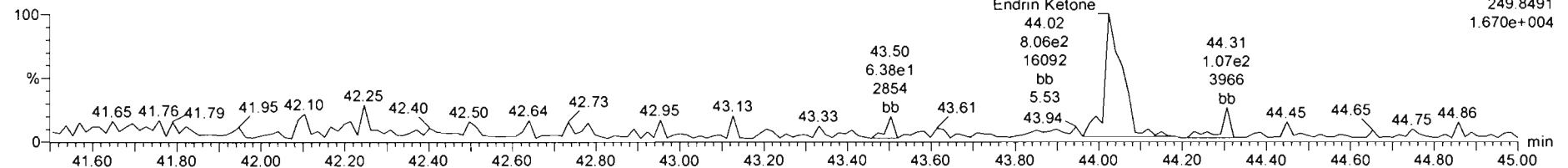


Endrin Ketone

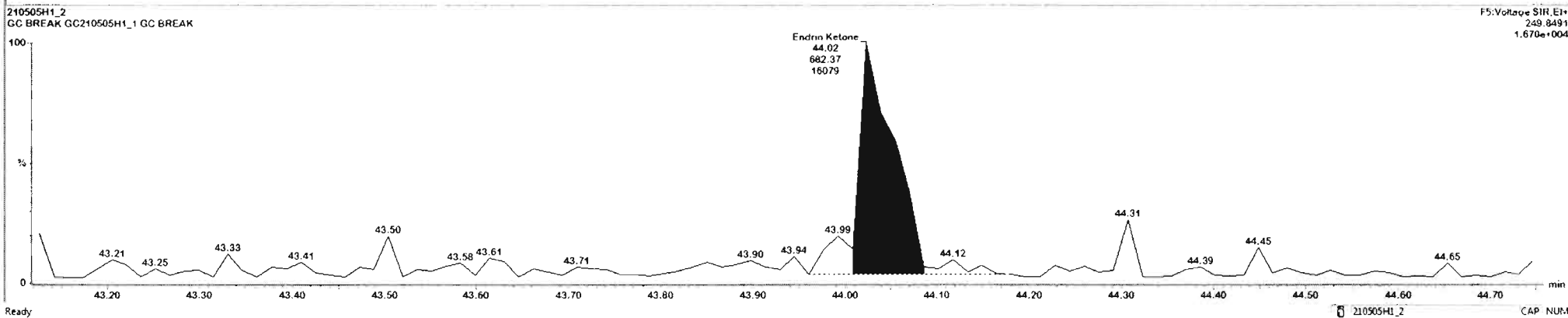
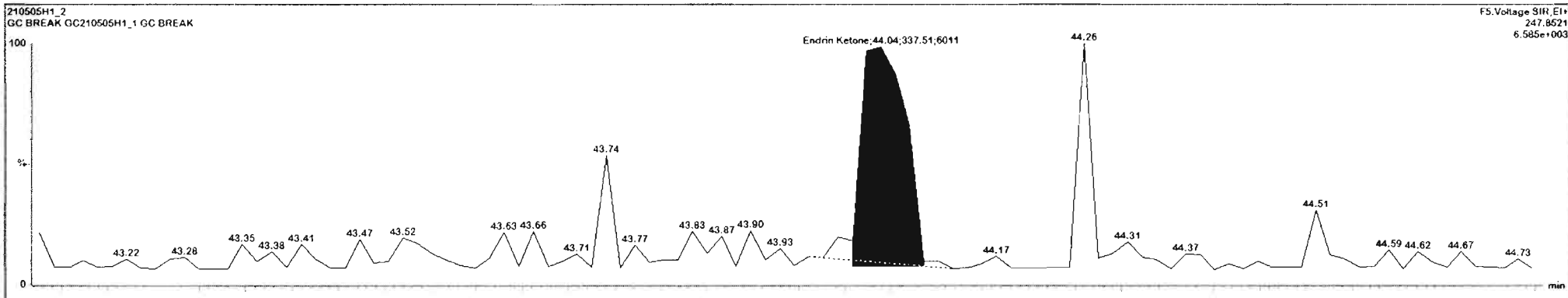
210505H1\_2



210505H1\_2



Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
1 Endrin Aldehyde			NO		1.000						
2 Endrin Ketone	1.02e3	0.45	NO		1.000	44.04	0.000				
3 Endrin	1.09e5	1.85	NO		1.000	36.72	0.000				
4 4,4-DDE	6.36e3	0.78	YES		1.000	36.81	0.000				
5 4,4-DDD	2.42e4	1.56	NO		1.000	39.19	0.000				
6 4,4-DDT	1.66e6	1.53	NO		1.000	40.26	0.000				
7 PPK4					1.000						
8 PPK5					1.000						



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_2.qld

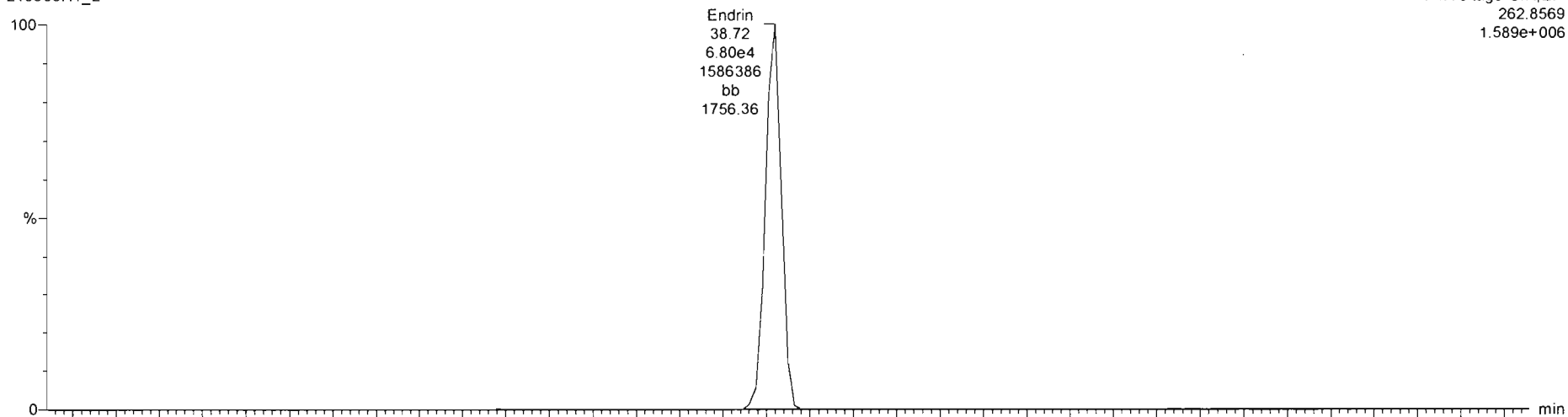
Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time

Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

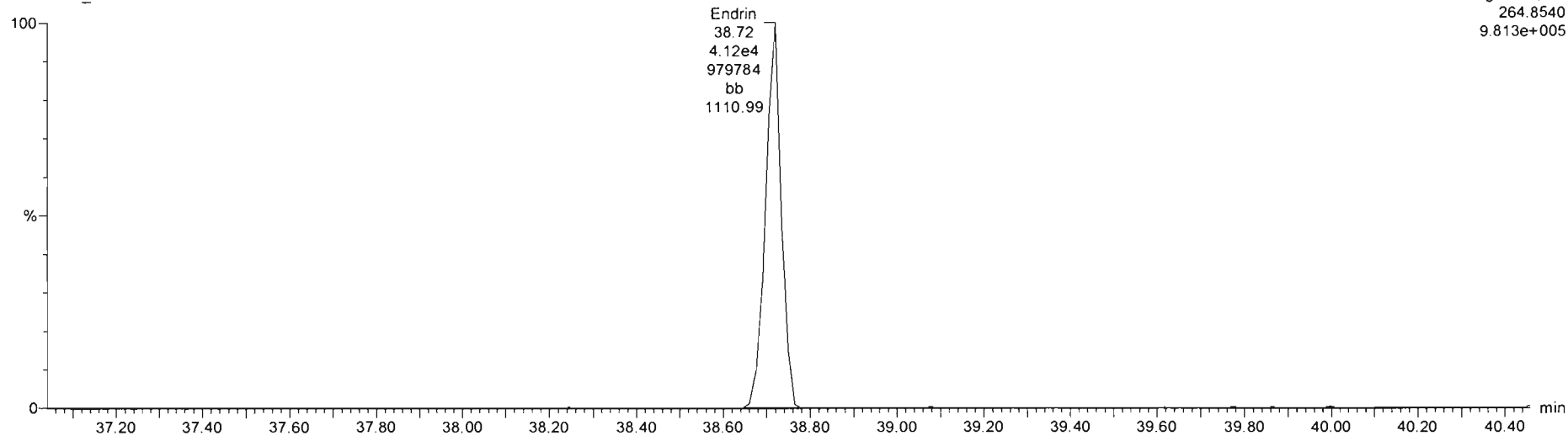
Name: 210505H1\_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1\_1 GC BREAK, Description: GC BREAK

Endrin

210505H1\_2



210505H1\_2



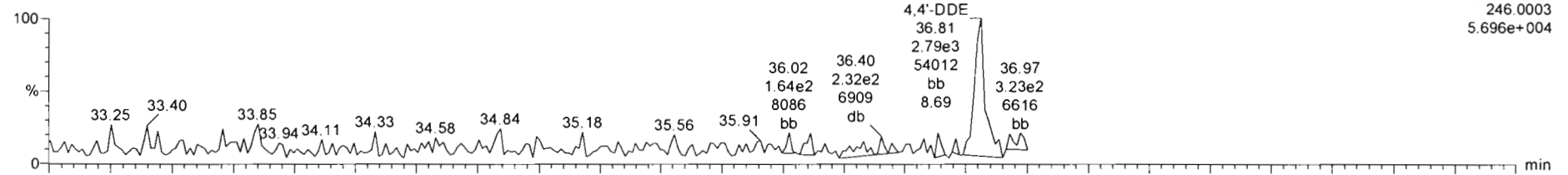
Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_2.qld

Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time  
Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

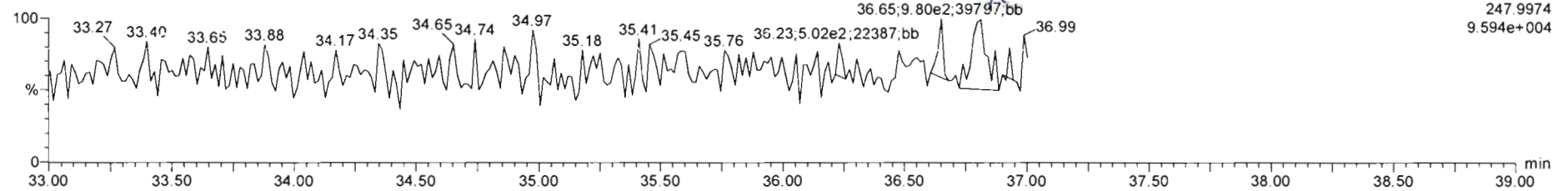
Name: 210505H1\_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1\_1 GC BREAK, Description: GC BREAK

4,4'-DDE

210505H1\_2

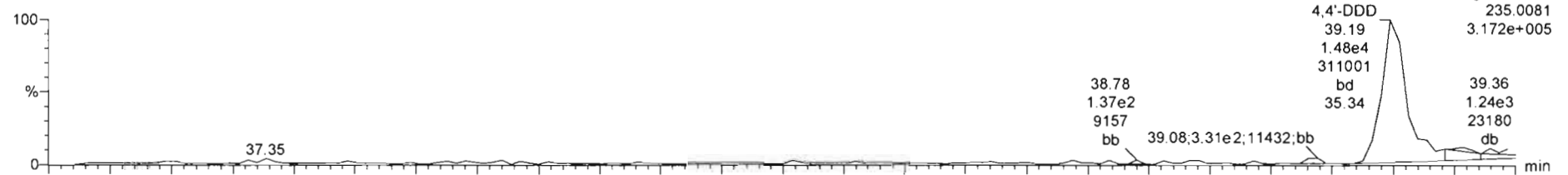


210505H1\_2

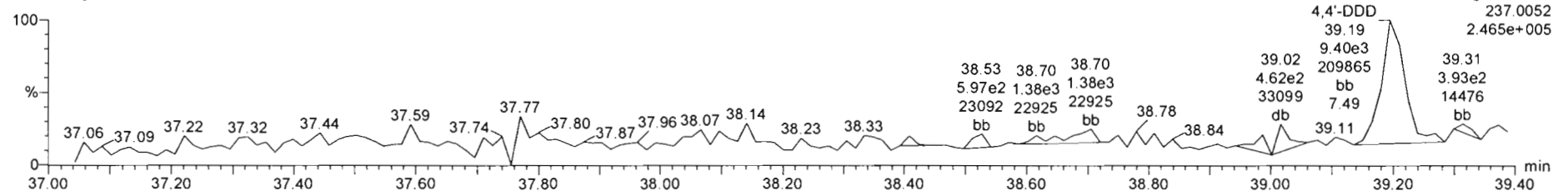


4,4'-DDD

210505H1\_2

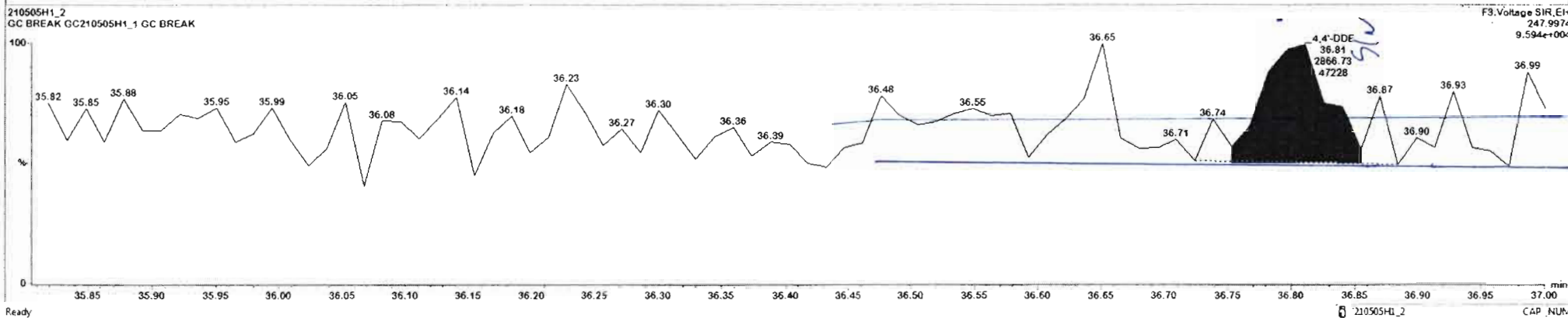
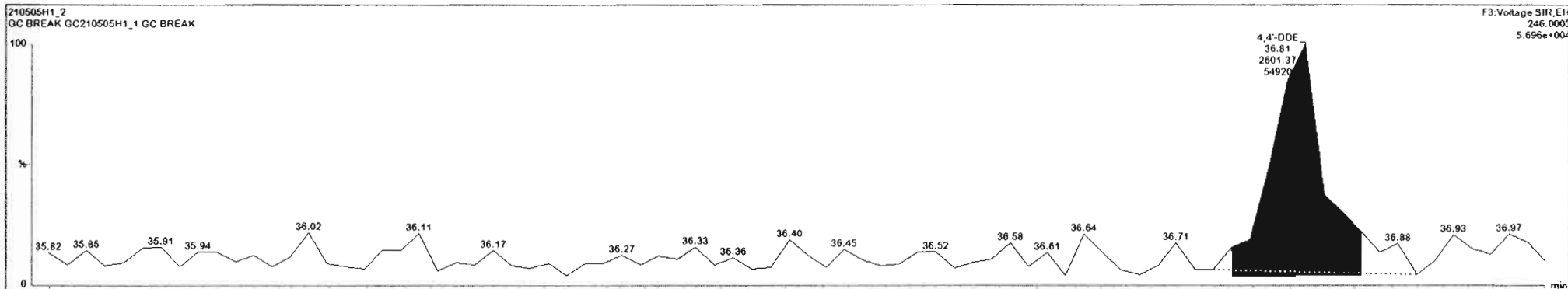


210505H1\_2



210505H1\_2 - GC210505H1\_1 GC BREAK - GC BREAK

ID	Name	Resp	RA	nlv	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde					1.000						
2	Endrin Ketone	1.02e3	0.49	NO		1.000	44.04	0.000				
3	Endrin	6.80e4		NO		1.000	36.72	0.000				
4	4,4'-DDE	5.47e3	0.91	YES		1.000	36.81	0.000				
5	4,4'-DDD	2.42e4	1.58	NO		1.000	39.19	0.000				
6	4,4'-DDT	1.69e6	1.53	NO		1.000	40.26	0.000				
7	PFK4					1.000						
8	PFK5					1.000						



Dataset: U:\vg10.PRO\Results\210505H1\210505H1\_2.qld

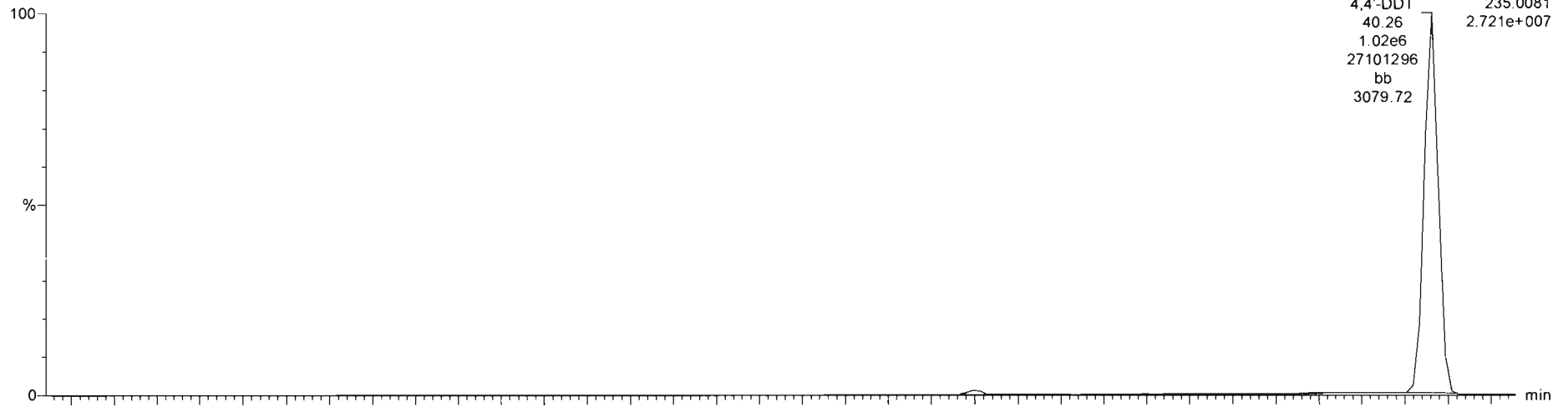
Last Altered: Thursday, May 06, 2021 09:52:15 Pacific Daylight Time

Printed: Thursday, May 06, 2021 09:53:53 Pacific Daylight Time

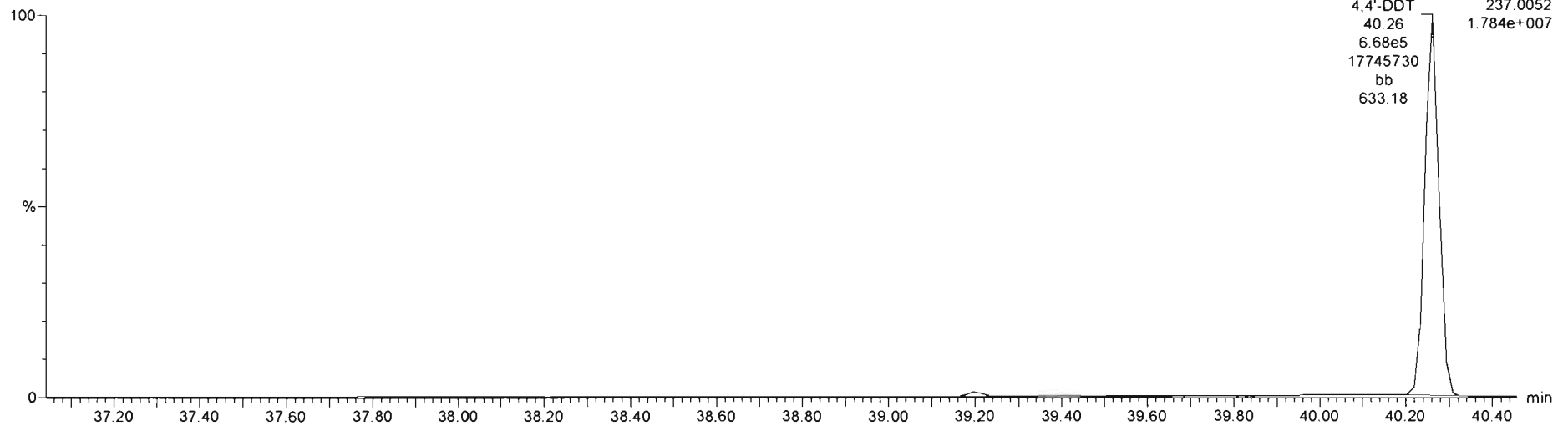
Name: 210505H1\_2, Date: 05-May-2021, Time: 10:01:24, ID: GC210505H1\_1 GC BREAK, Description: GC BREAK

4,4'-DDT

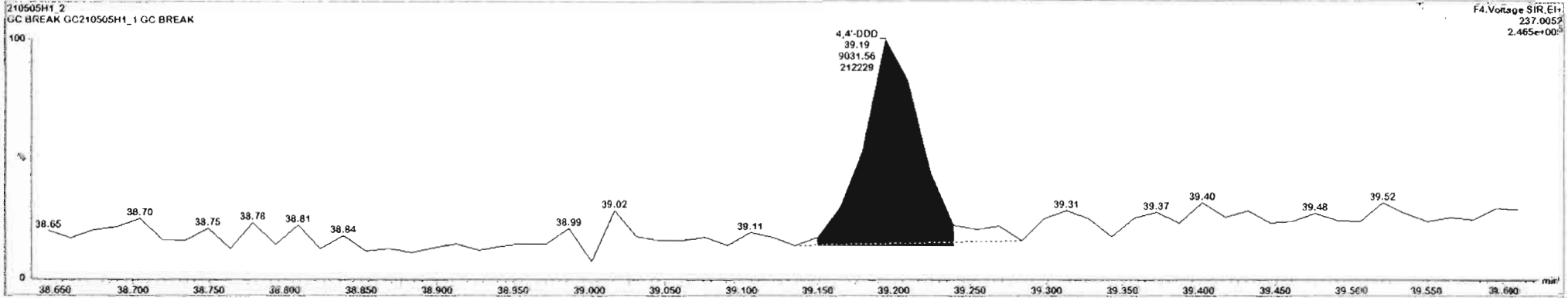
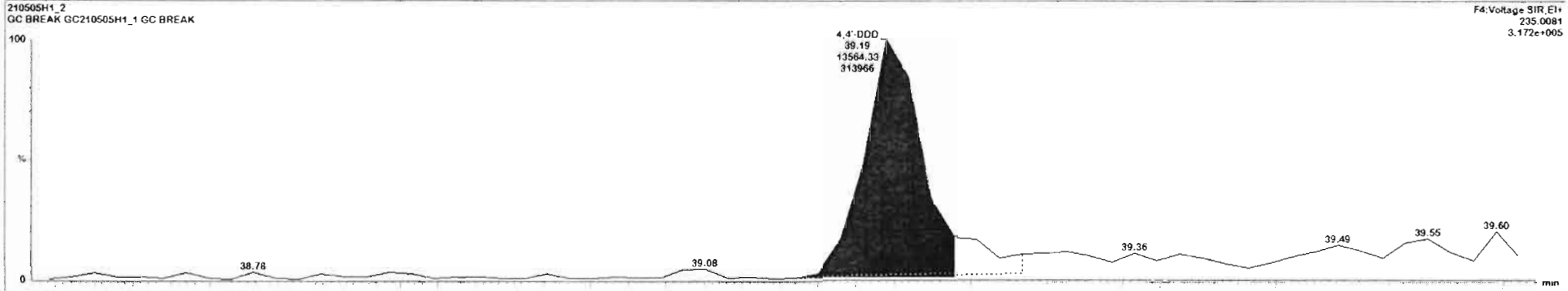
210505H1\_2



210505H1\_2



Name	Resp	RA	nly	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EHPC
1 Endrin Aldehyde			NO		1.000						
2 Endrin Ketone	1.02e3	0.49	NO		1.000	44.04	0.000				
3 Endrin	6.80e4		NO		1.000	38.72	0.000				
4 4'-DDE			NO		1.000						
5 4'-DDD	2.26e4	1.50	NO		1.000	39.19	0.000				
6 4'-DDT	1.85e6	1.53	NO		1.000	40.28	0.000				
7 PPK4					1.000						
8 PPK5					1.000						



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

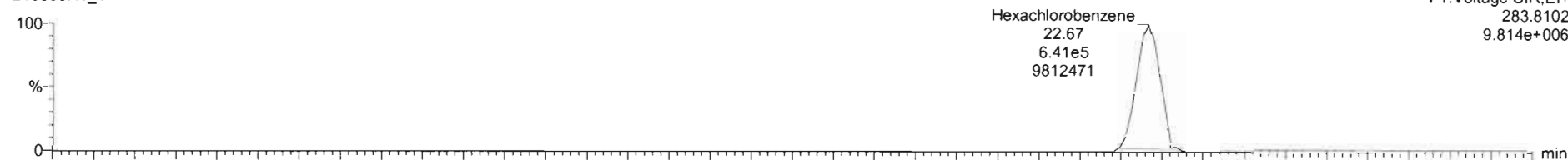
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

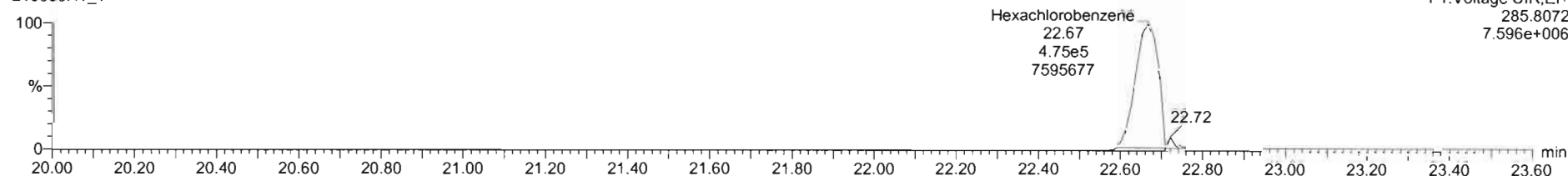
Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

### Hexachlorobenzene

210505H1\_1

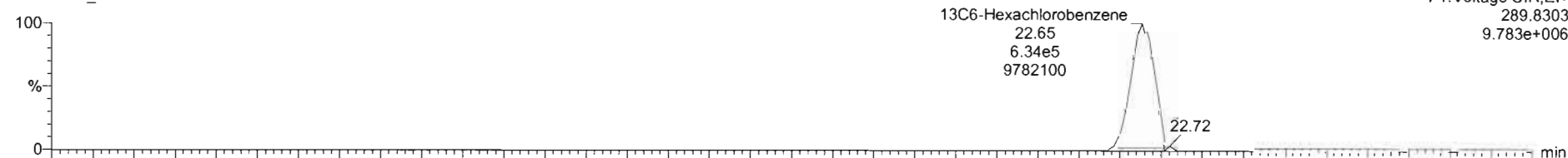


210505H1\_1

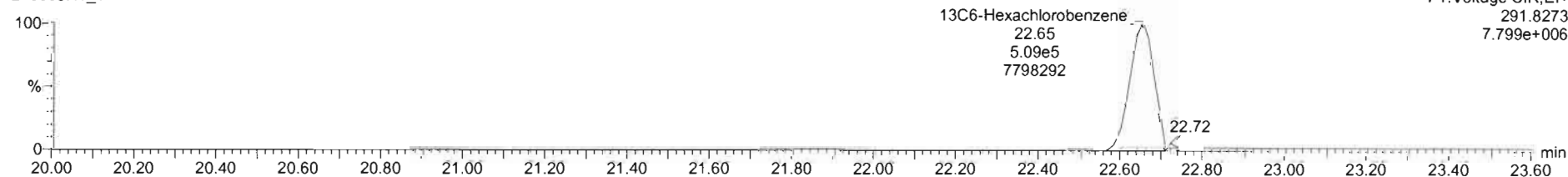


### 13C6-Hexachlorobenzene

210505H1\_1



210505H1\_1



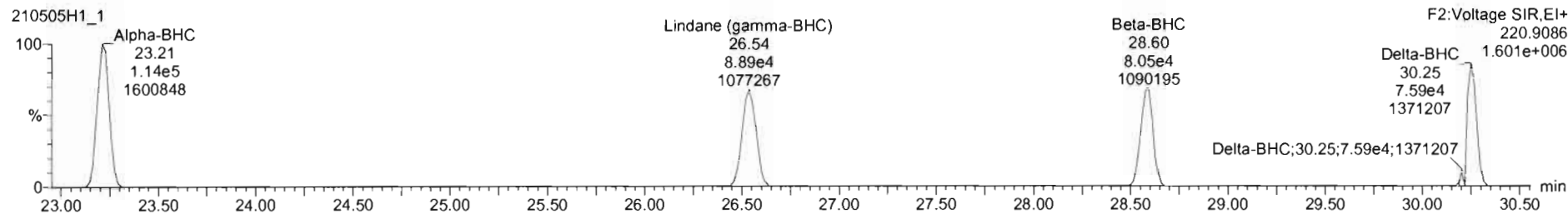
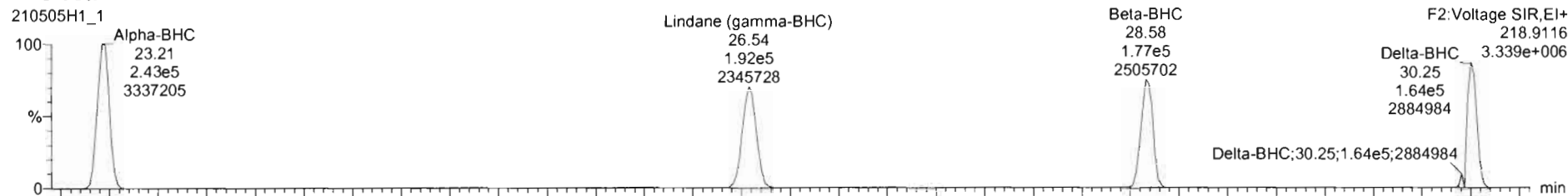


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

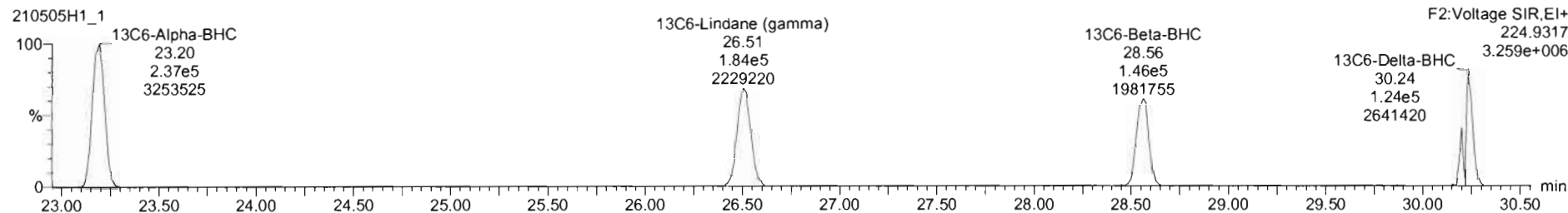
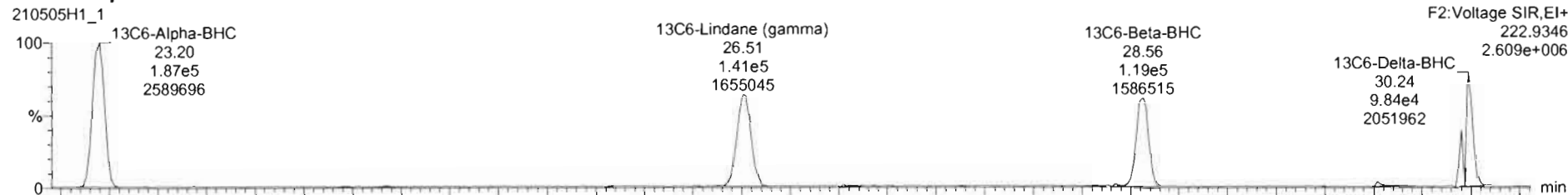
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**BHC Totals**



**BHC-isotopes**



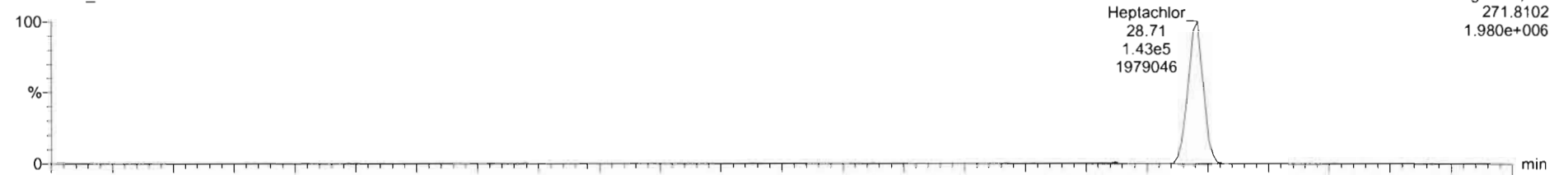
Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

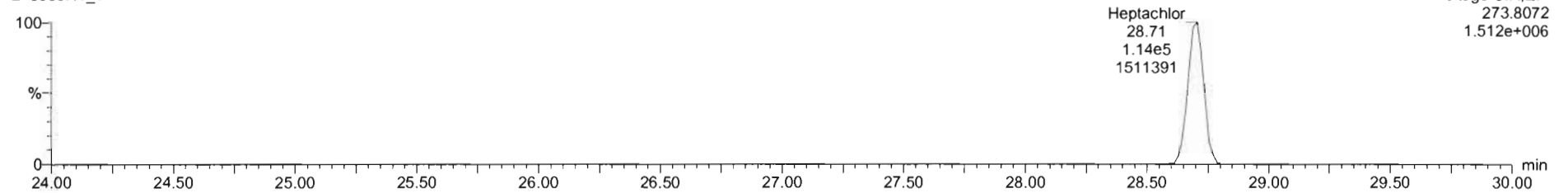
Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Heptachlor**

210505H1\_1

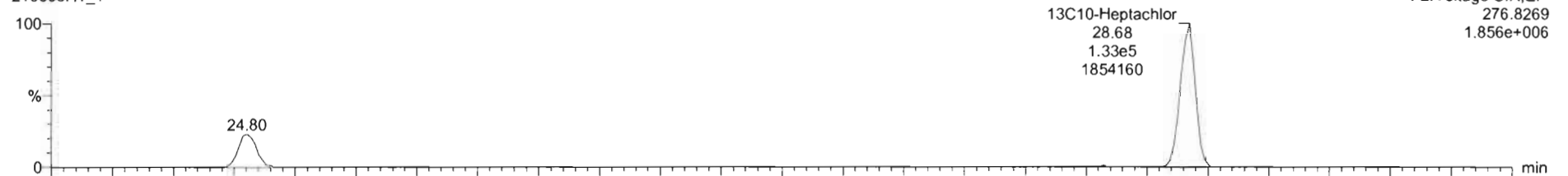


210505H1\_1

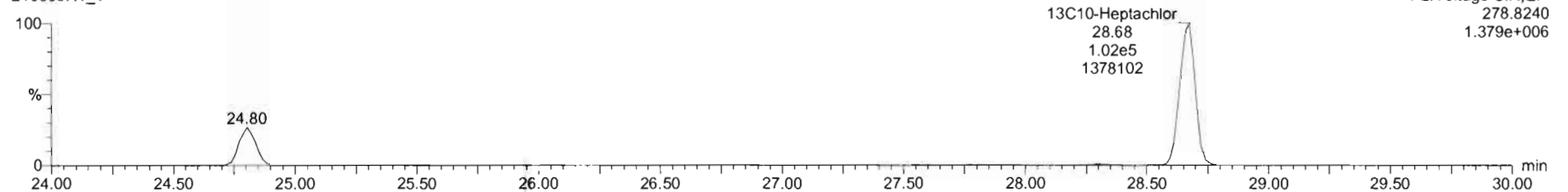


**13C10-Heptachlor**

210505H1\_1



210505H1\_1



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

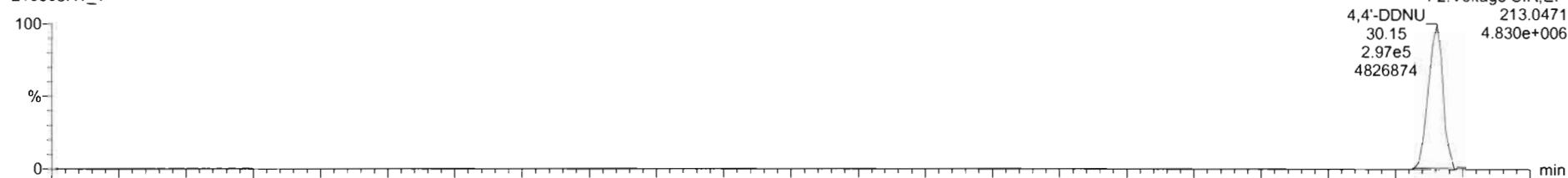
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

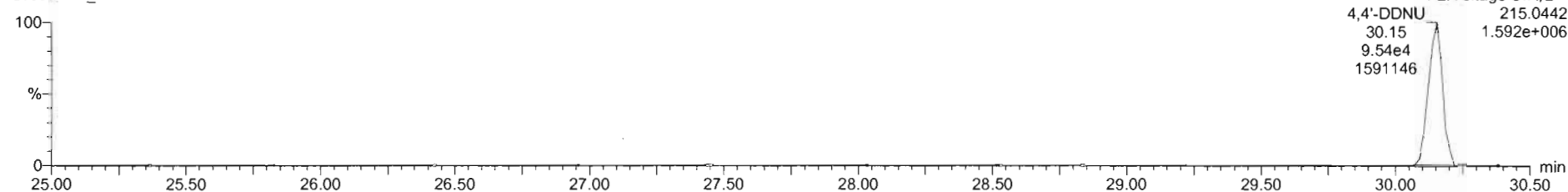
Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

### 4,4'-DDNU

210505H1\_1

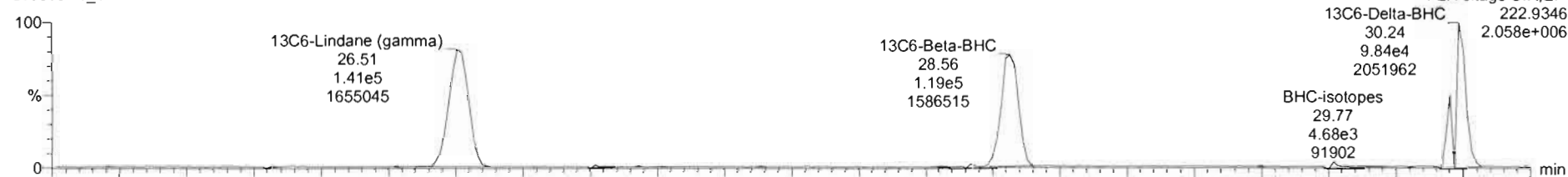


210505H1\_1

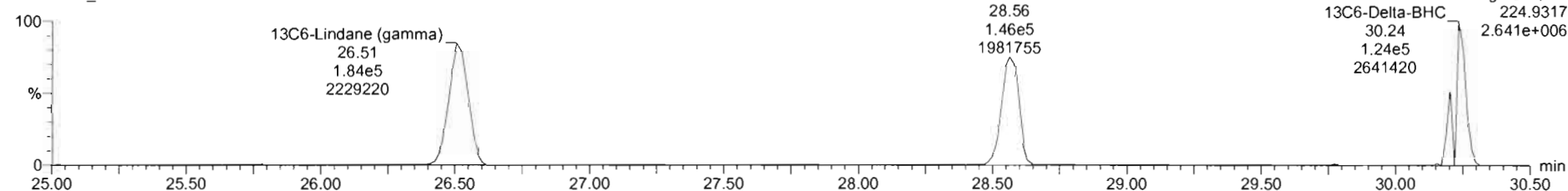


### 13C6-Delta-BHC

210505H1\_1



210505H1\_1

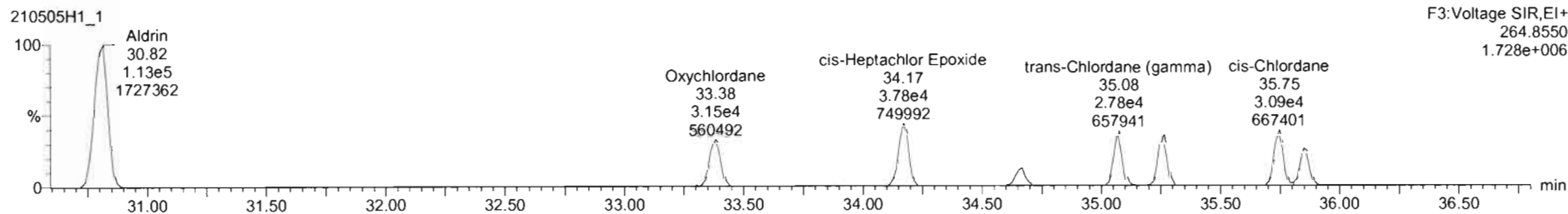
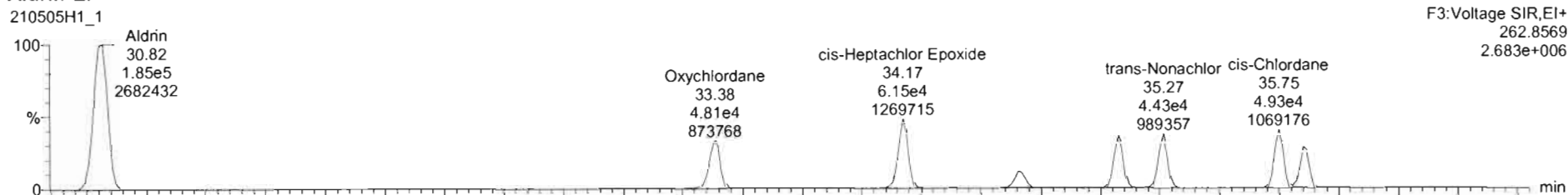


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

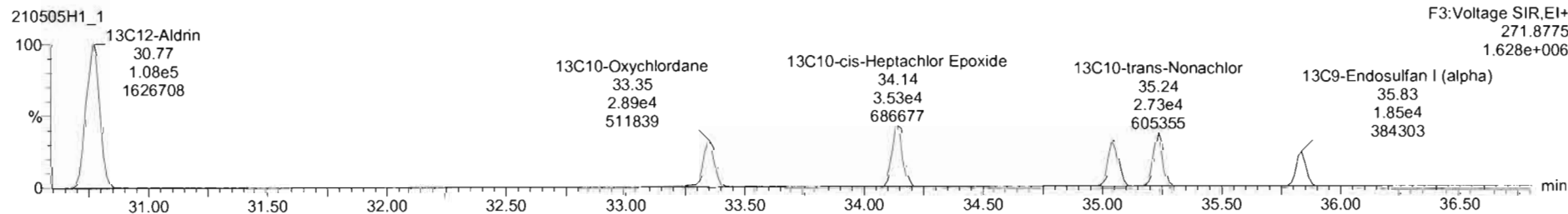
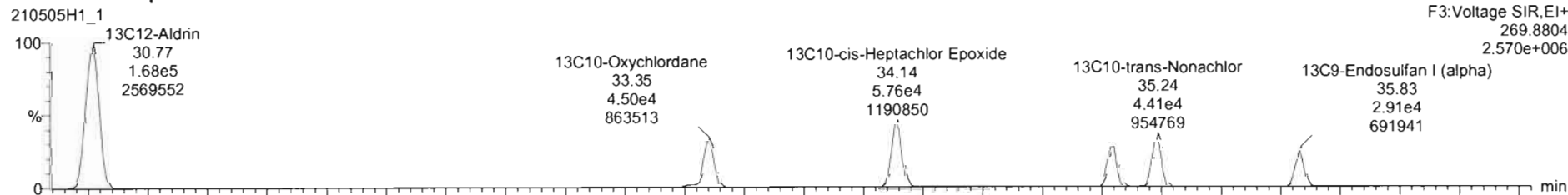
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Aldrin-EI**



**Aldrin-EI-isotopes**



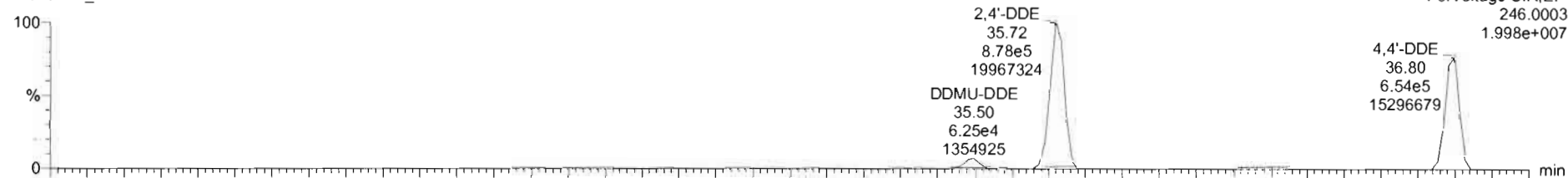
Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

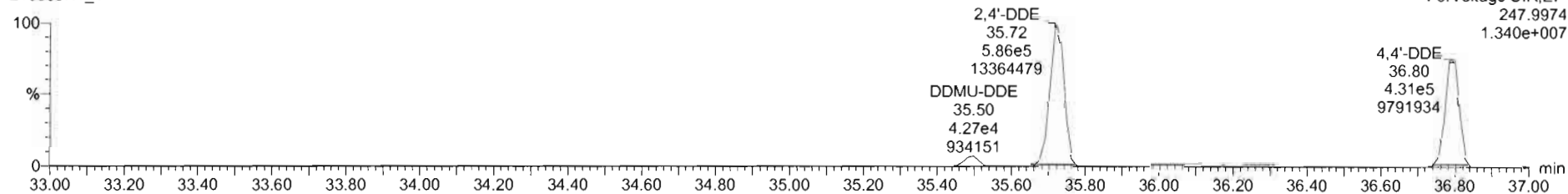
Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**DDMU-DDE**

210505H1\_1

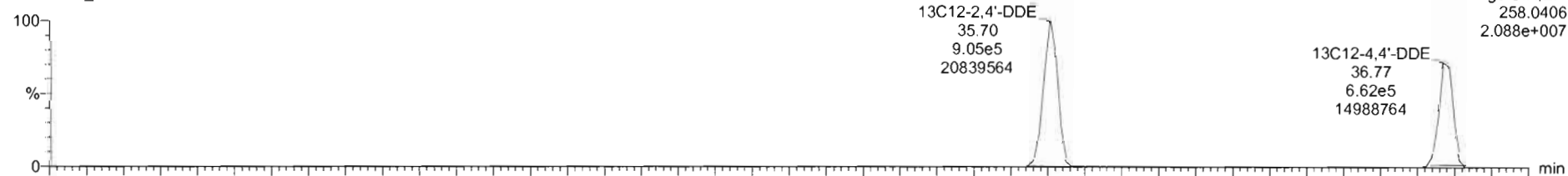


210505H1\_1

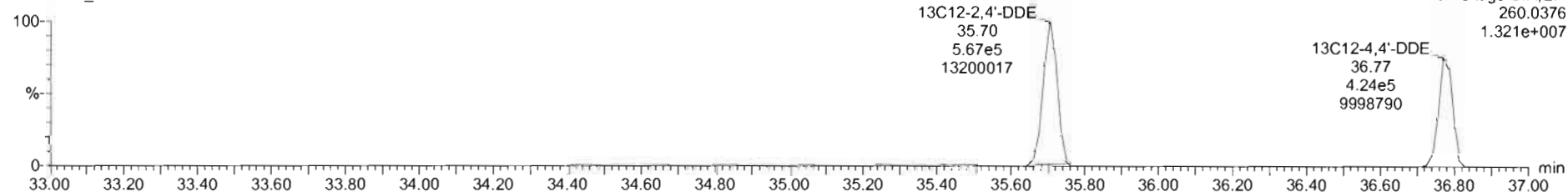


**DDE-isotopes**

210505H1\_1



210505H1\_1



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

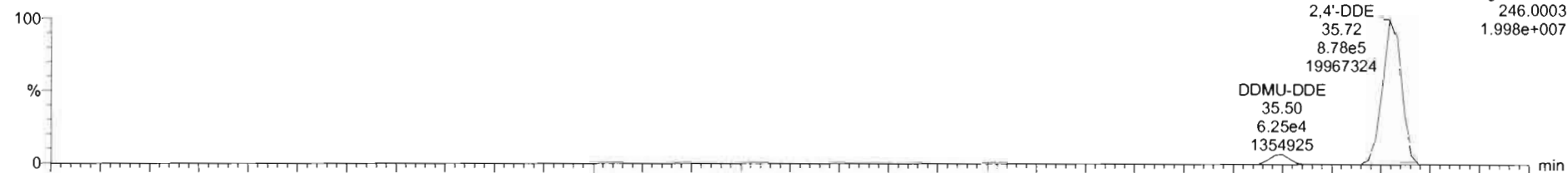
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Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

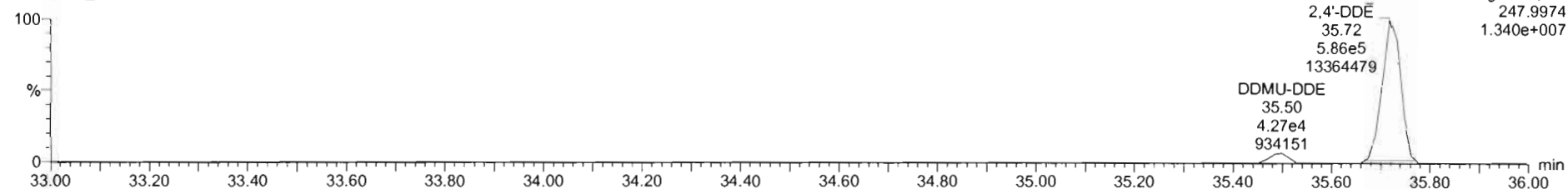
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**2,4'-DDE**

210505H1\_1

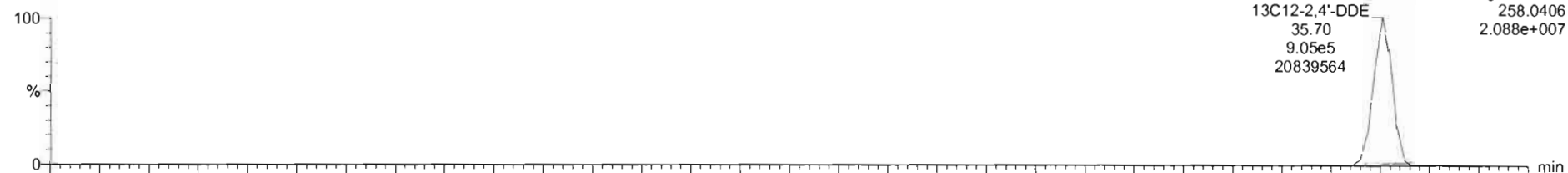


210505H1\_1

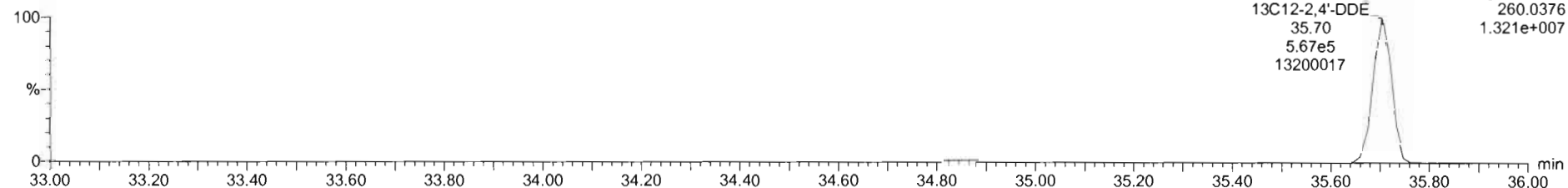


**13C12-2,4'-DDE**

210505H1\_1



210505H1\_1

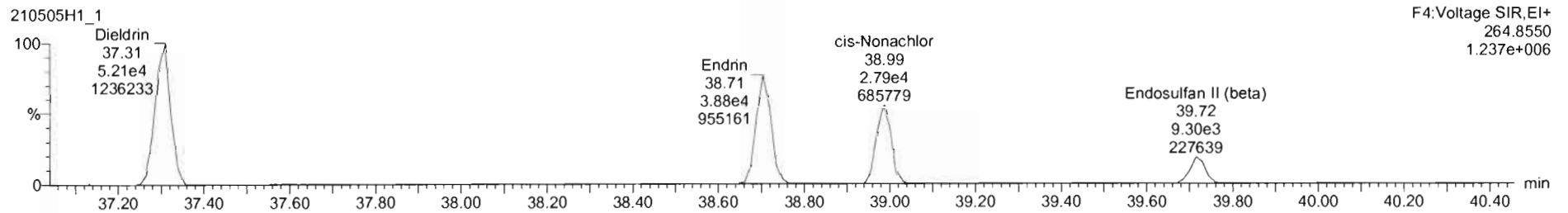
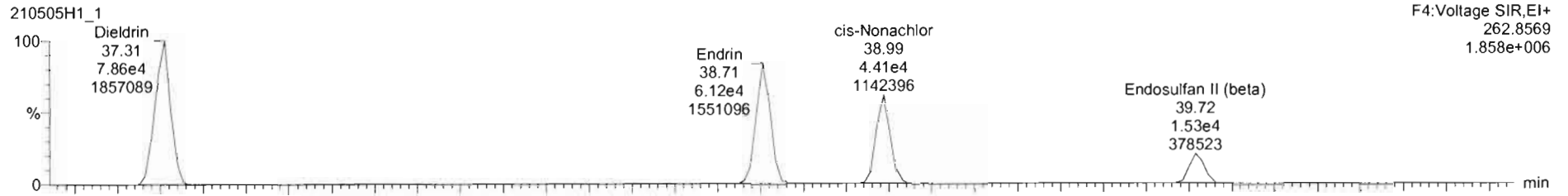


Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

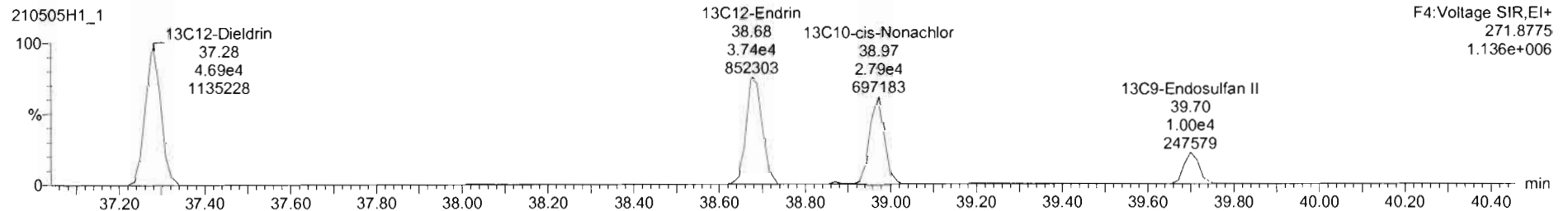
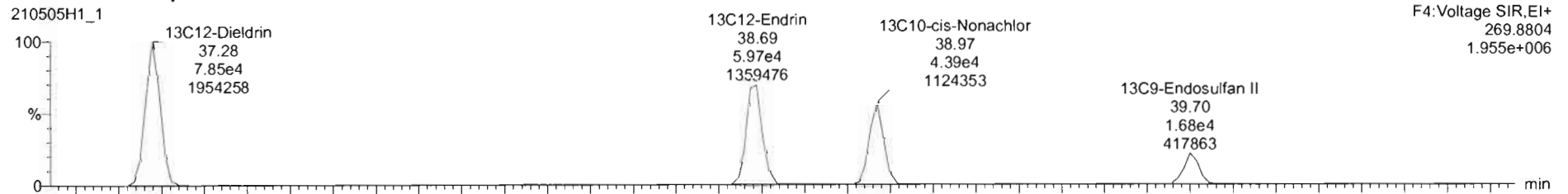
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Dieldrin-EI1**



**Dieldrin-EI1-isotopes**



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

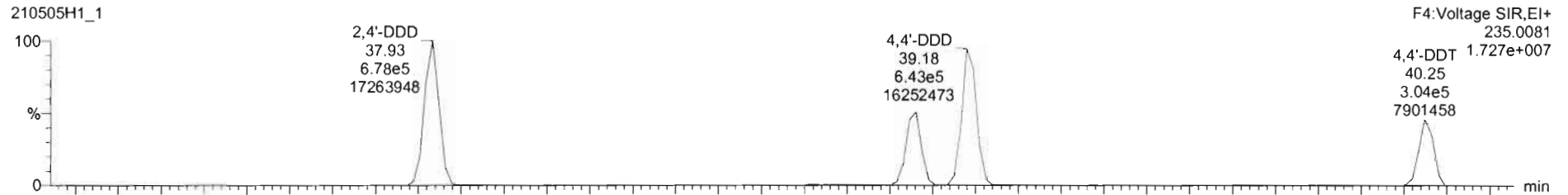
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Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

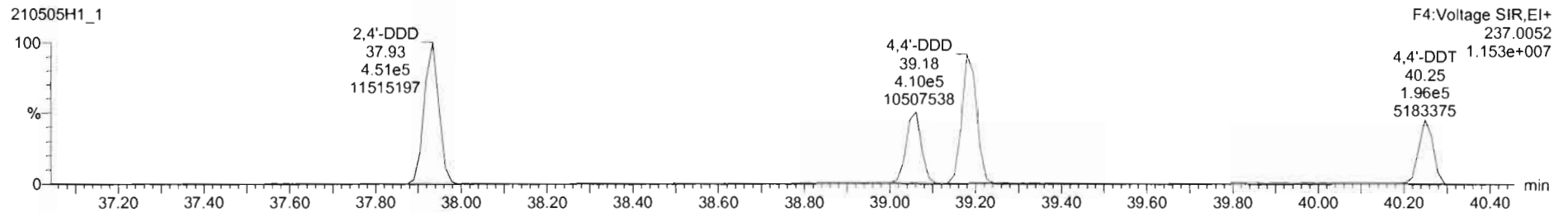
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DDD-DDT

210505H1\_1

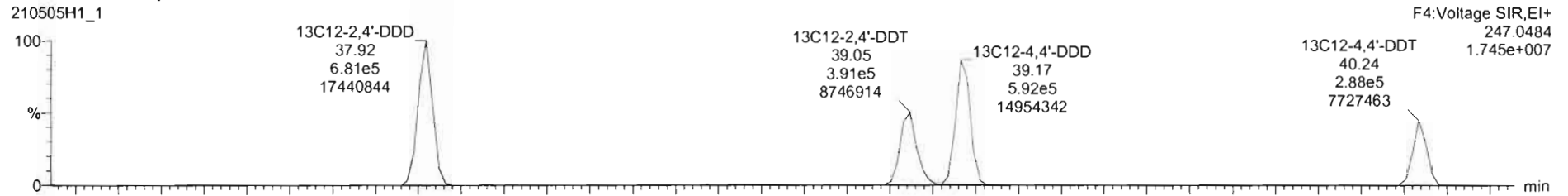


210505H1\_1

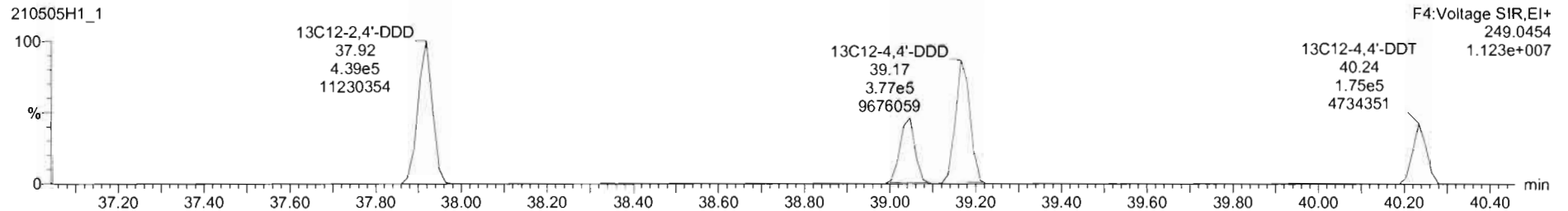


DDD-DDT-isotopes

210505H1\_1



210505H1\_1





Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

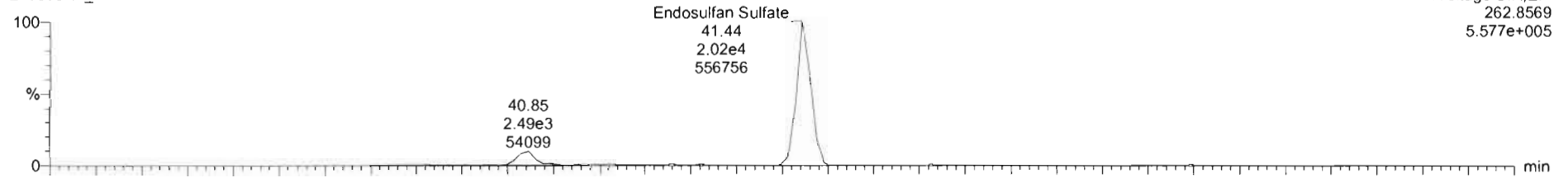
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

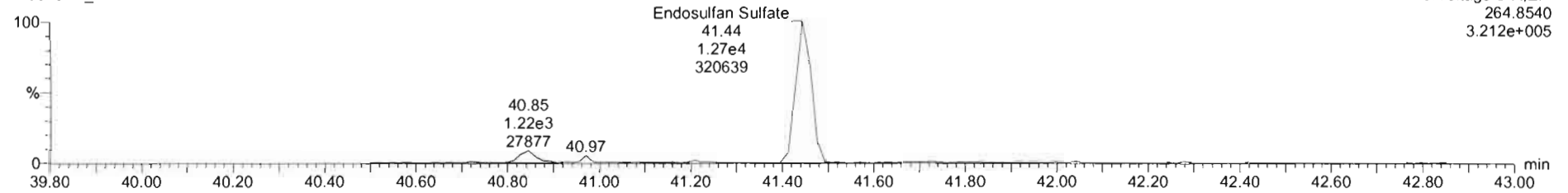
**Endosulfan Sulfate**

210505H1\_1



F5:Voltage SIR,EI+  
262.8569  
5.577e+005

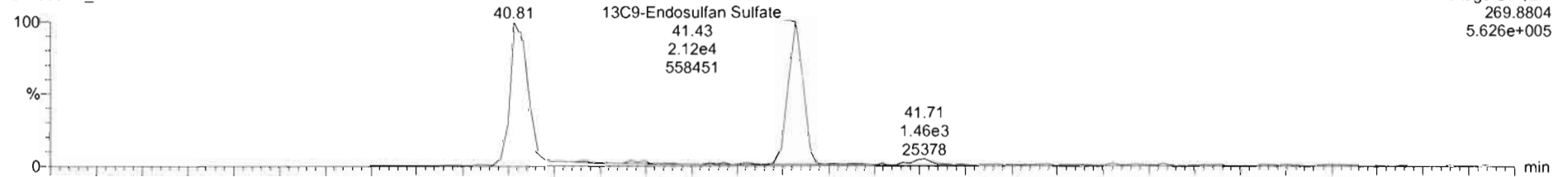
210505H1\_1



F5:Voltage SIR,EI+  
264.8540  
3.212e+005

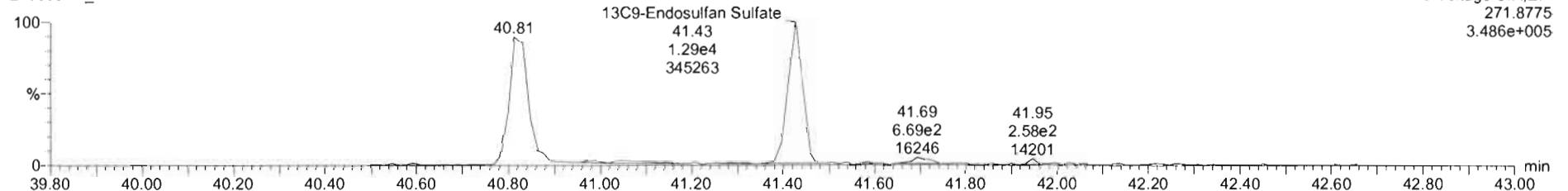
**13C9-Endosulfan Sulfate**

210505H1\_1



F5:Voltage SIR,EI+  
269.8804  
5.626e+005

210505H1\_1



F5:Voltage SIR,EI+  
271.8775  
3.486e+005

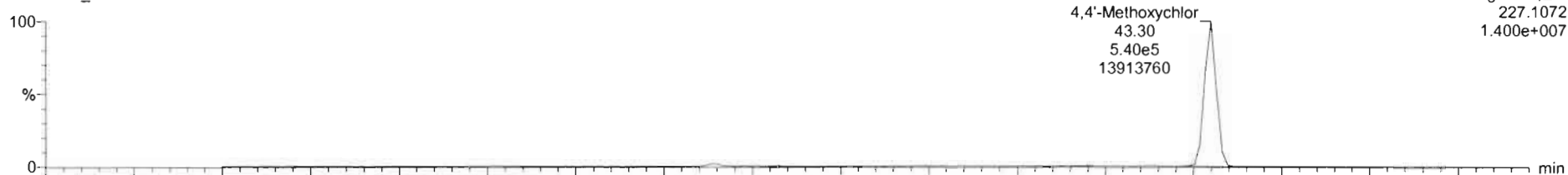
Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

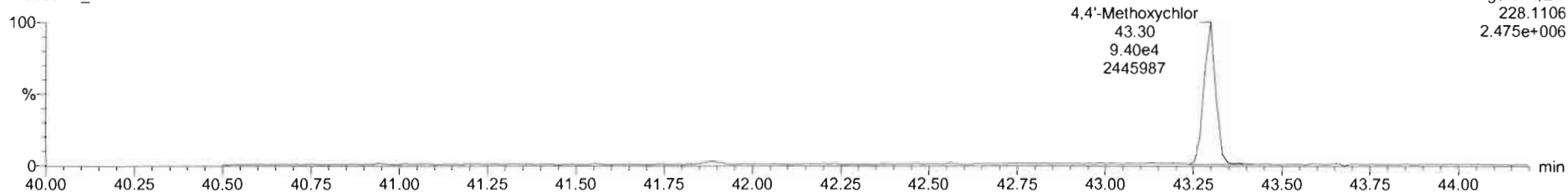
Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

### 4,4'-Methoxychlor

210505H1\_1

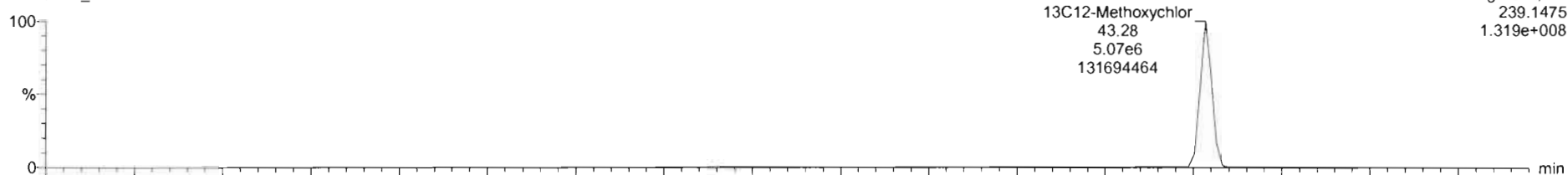


210505H1\_1

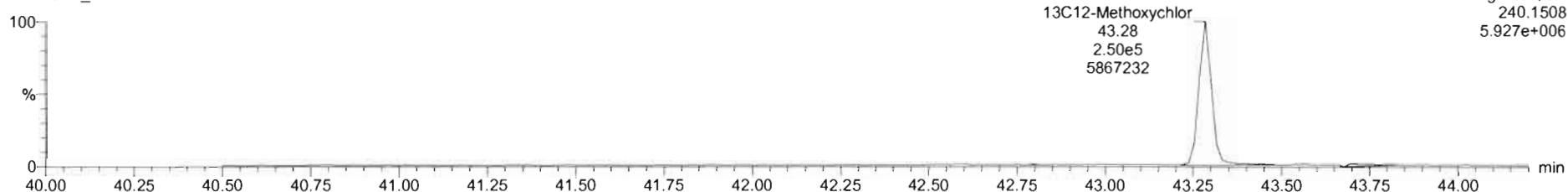


### 13C12-Methoxychlor

210505H1\_1



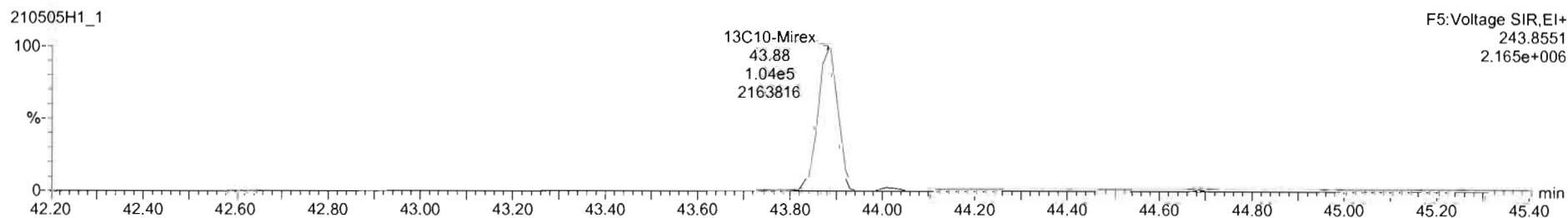
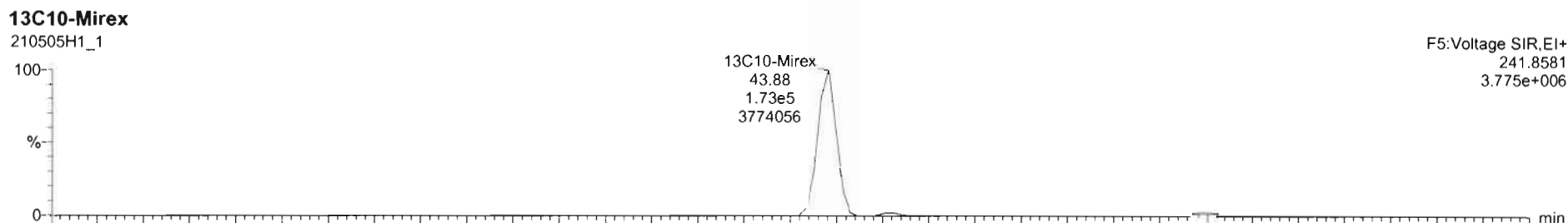
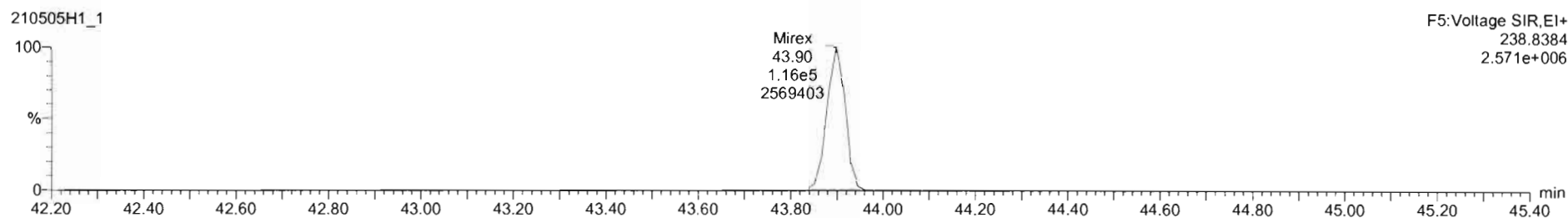
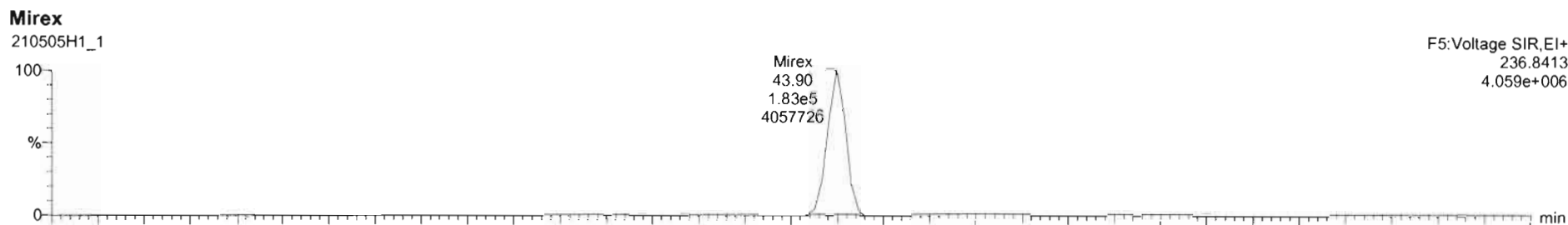
210505H1\_1



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

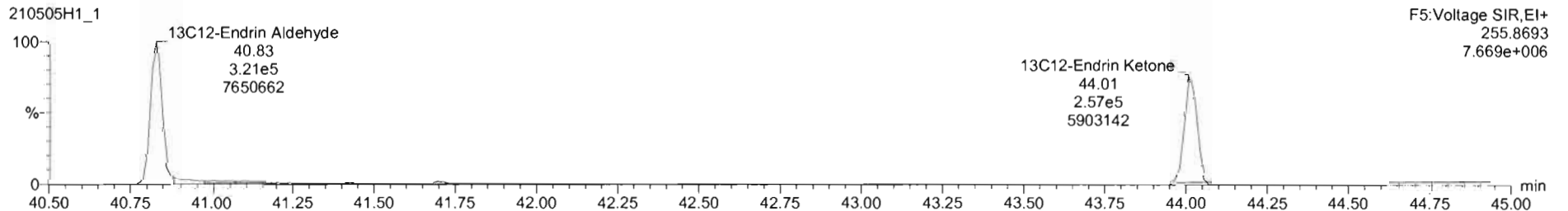
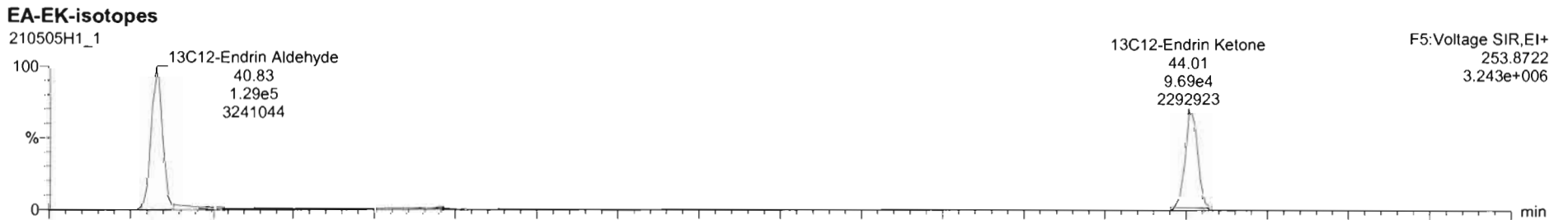
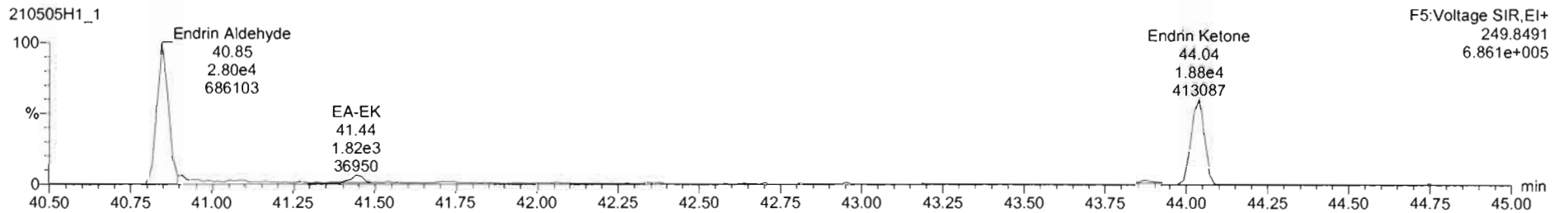
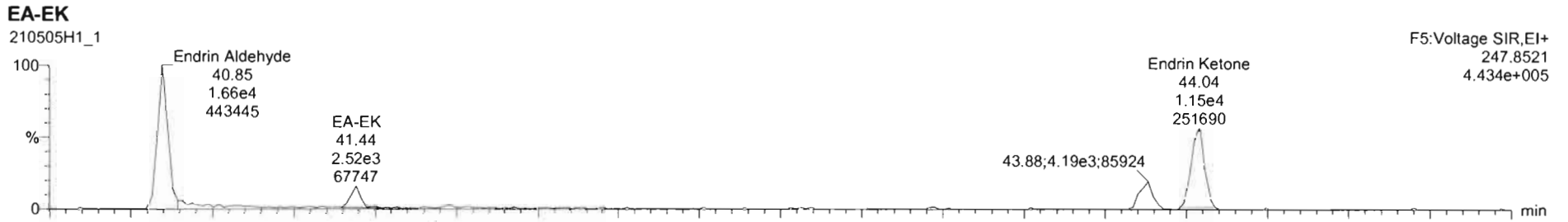
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Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

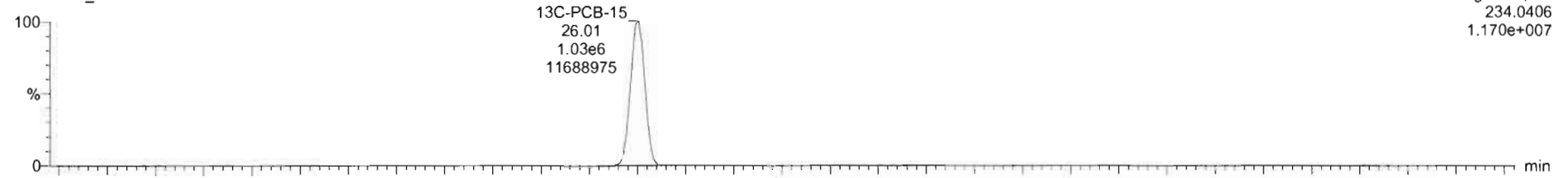
Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time

Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

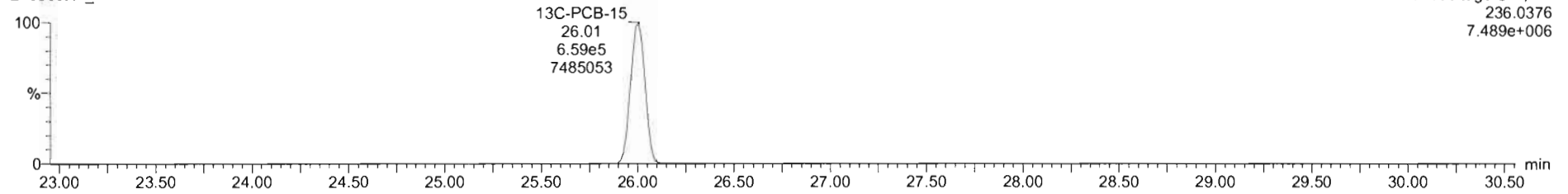
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13C-PCB-15

210505H1\_1

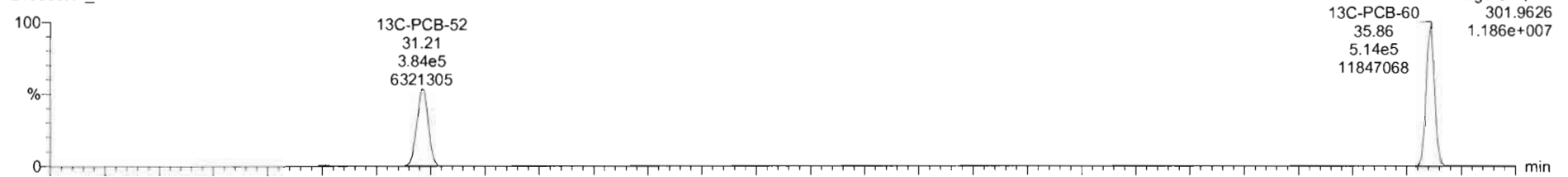


210505H1\_1

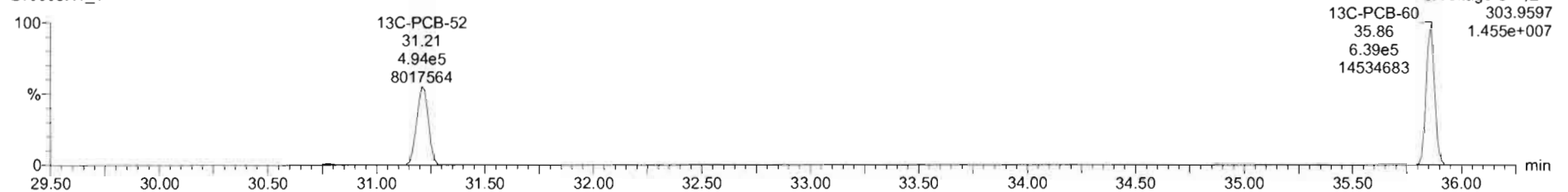


13C-PCB-60

210505H1\_1



210505H1\_1



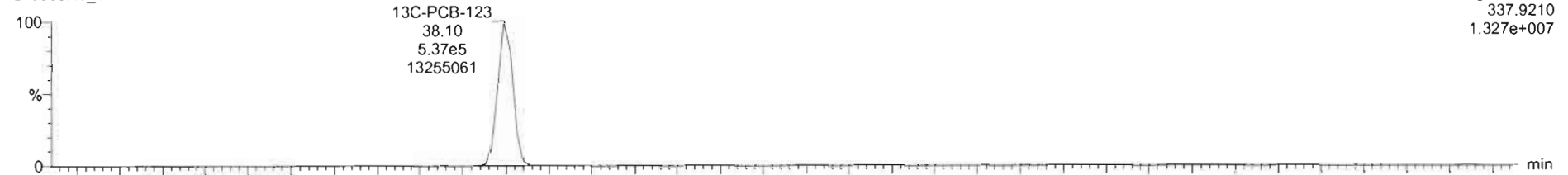
Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

Name: 210505H1\_1, Date: 05-May-2021, Time: 09:04:17, ID: ST210505H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

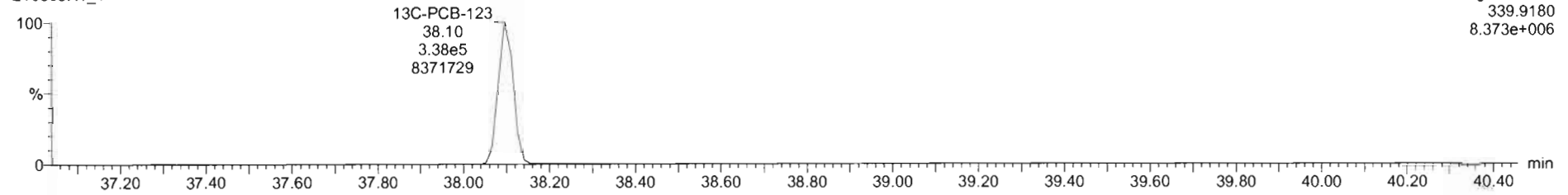
**13C-PCB-123**

210505H1\_1



F4:Voltage SIR,EI+  
337.9210  
1.327e+007

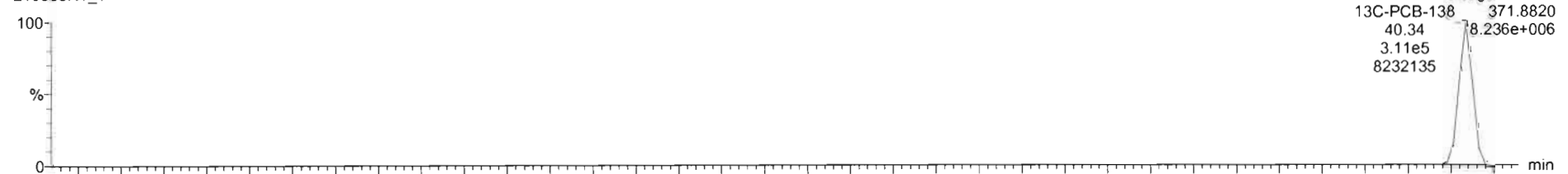
210505H1\_1



F4:Voltage SIR,EI+  
339.9180  
8.373e+006

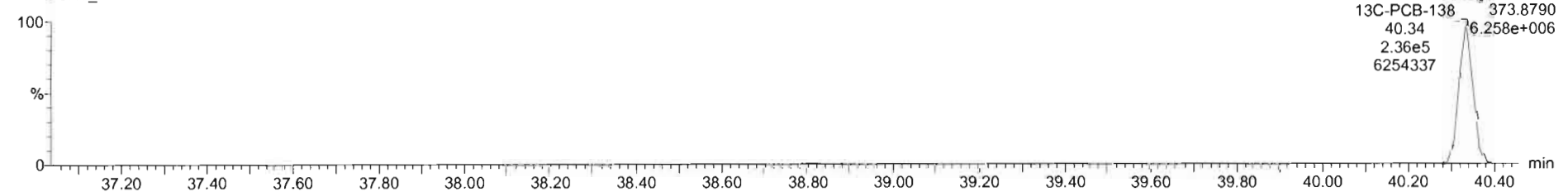
**13C-PCB-138**

210505H1\_1



F4:Voltage SIR,EI+  
13C-PCB-138 371.8820  
40.34 8.236e+006  
3.11e5  
8232135

210505H1\_1



F4:Voltage SIR,EI+  
13C-PCB-138 373.8790  
40.34 6.258e+006  
2.36e5  
6254337

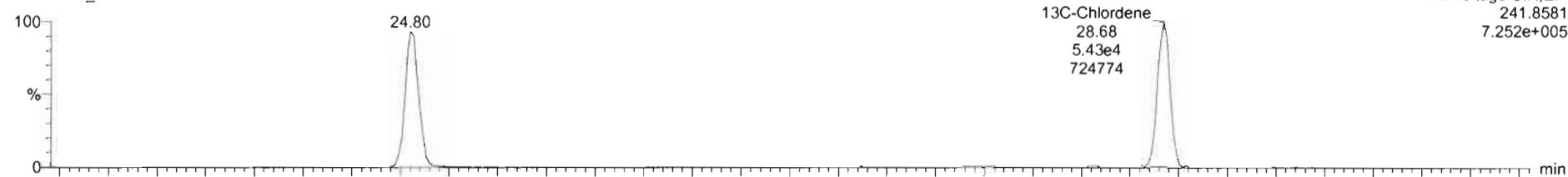
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Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

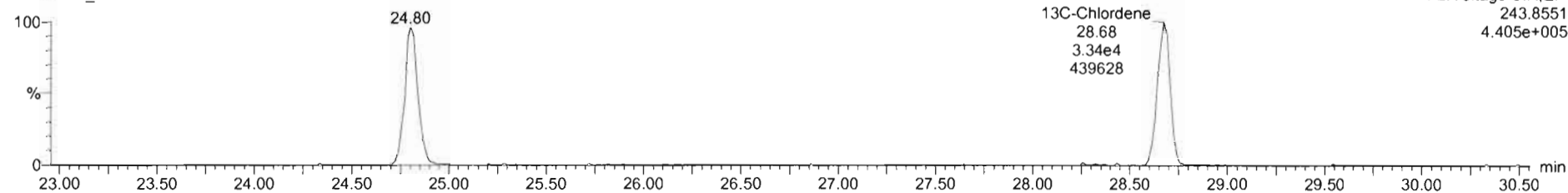
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13C-Chlordene

210505H1\_1

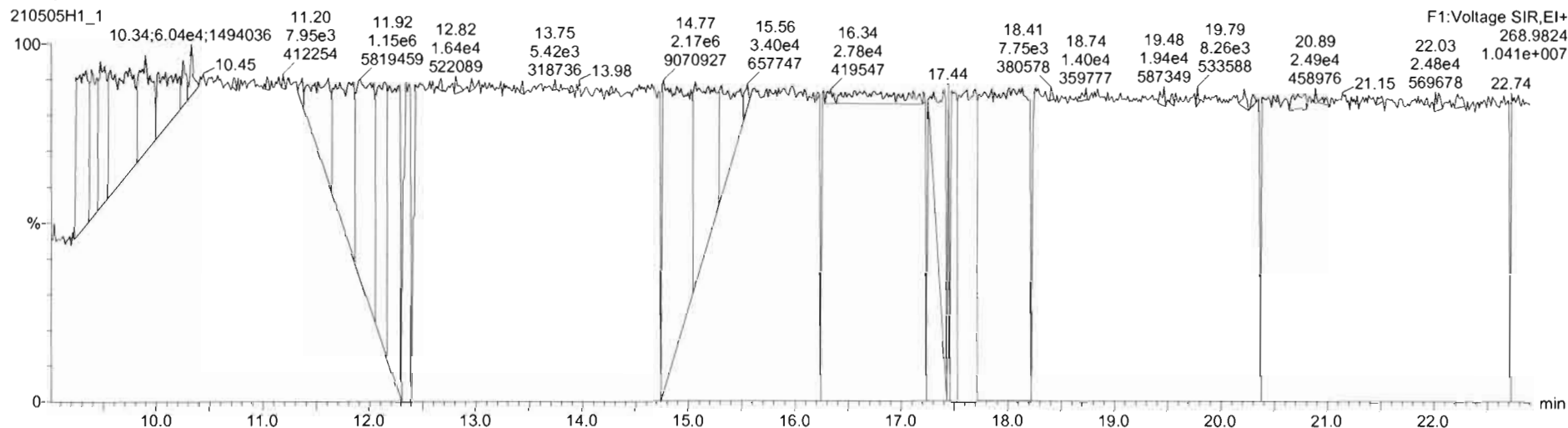


210505H1\_1



PFK1

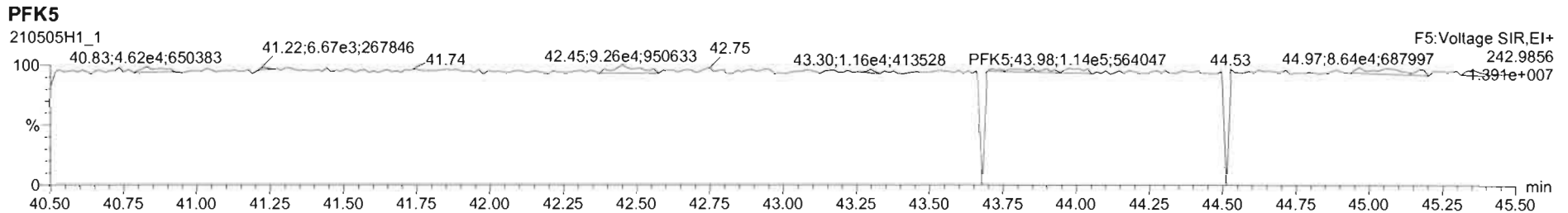
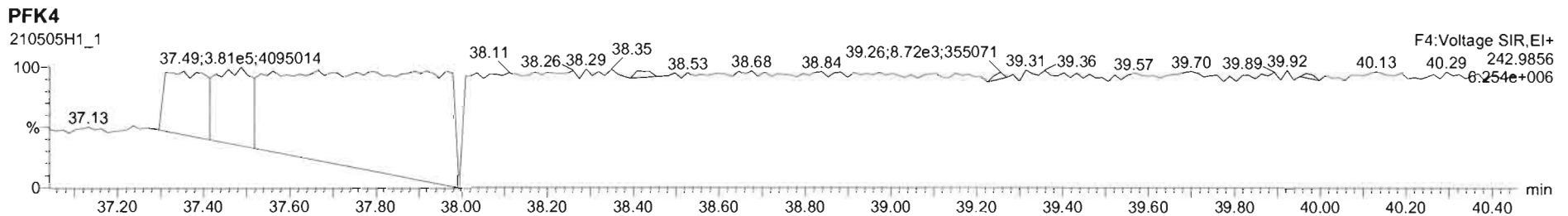
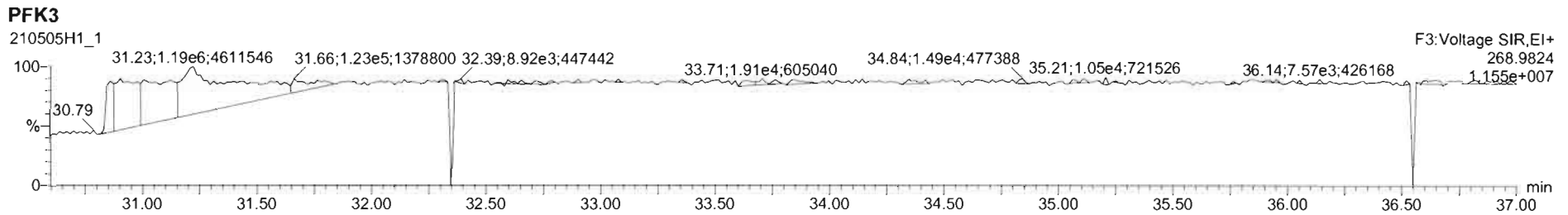
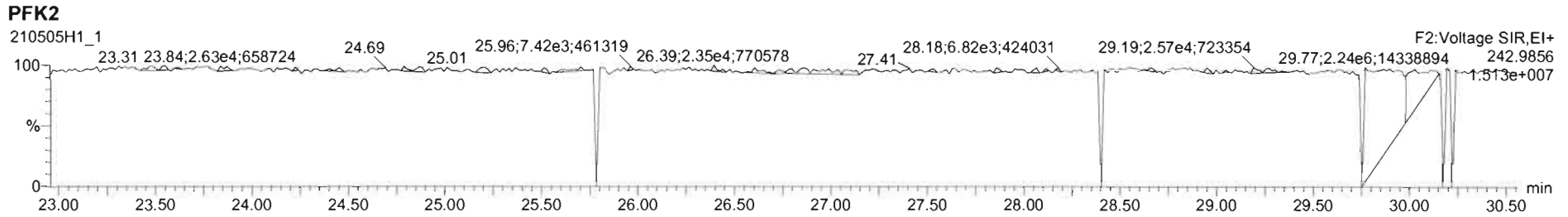
210505H1\_1



Dataset: U:\vg10.PRO\Results\210505H1\210505H1.qld

Last Altered: Wednesday, May 05, 2021 9:55:23 AM Pacific Daylight Time  
Printed: Wednesday, May 05, 2021 4:30:25 PM Pacific Daylight Time

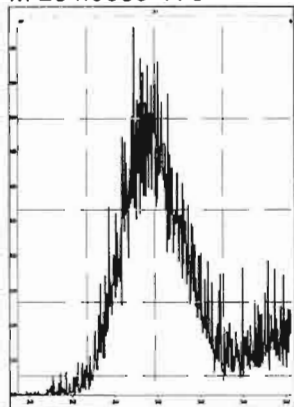
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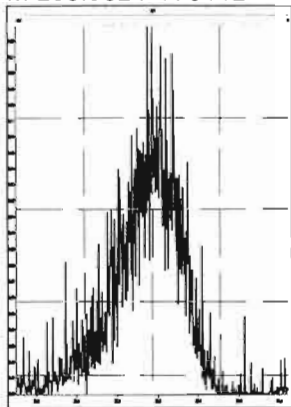


*Ⓟ Did not centroid*

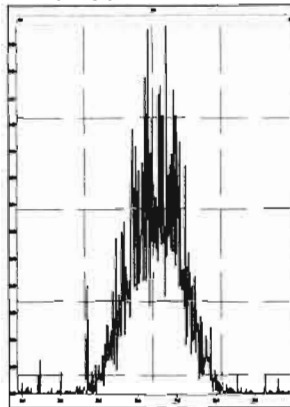
M 254.9856 R 0



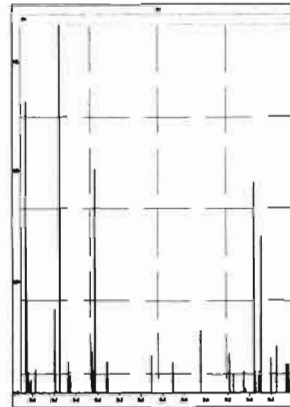
M 268.9824 R 9112



M 280.9824 R 11038

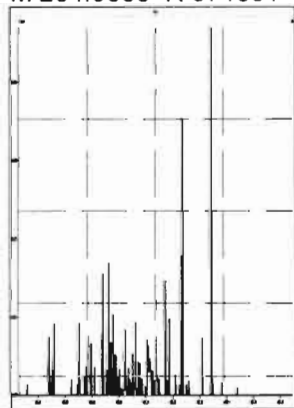


M 292.9824 R 288446



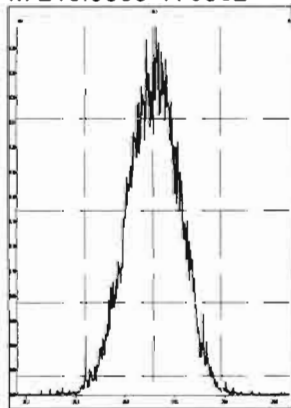
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M 204.9888 R 371801

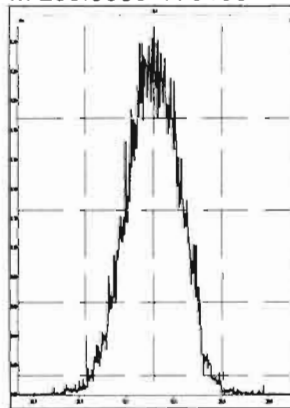


*Ⓟ*

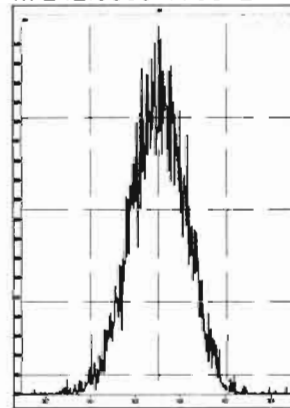
M 218.9856 R 9302



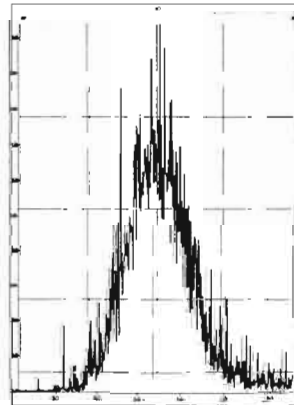
M 230.9856 R 9195



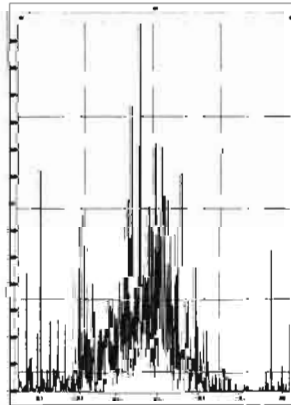
M 242.9856 R 9072



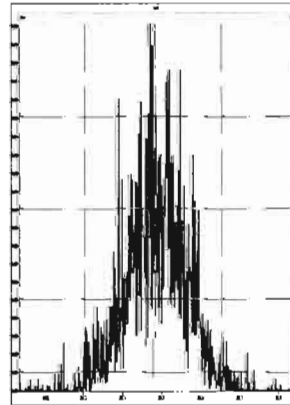
M 254.9856 R 8182



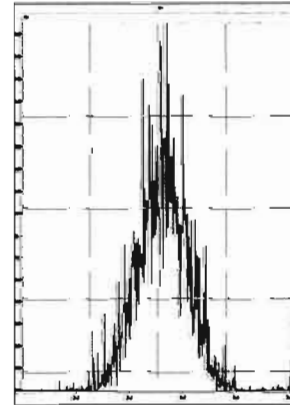
M 268.9824 R 17823



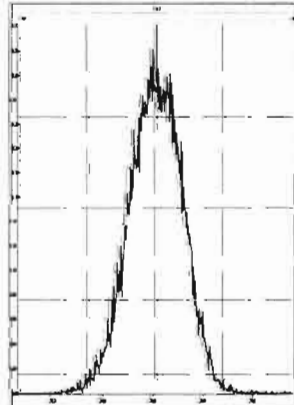
M 280.9824 R 10378



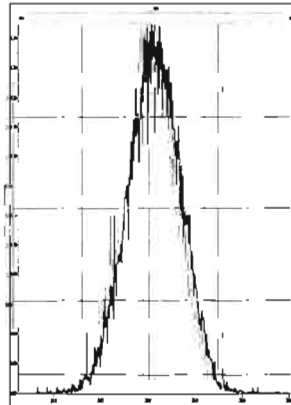
M 204.9888 R 10474



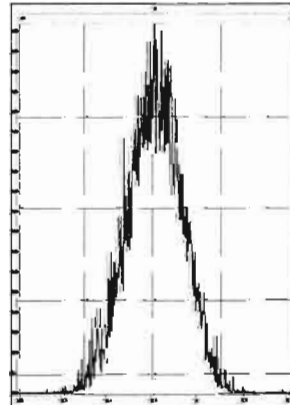
M 218.9856 R 9394



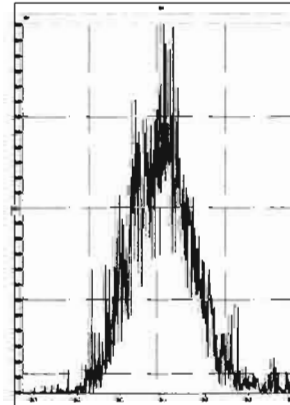
M 230.9856 R 8948



M 242.9856 R 9049

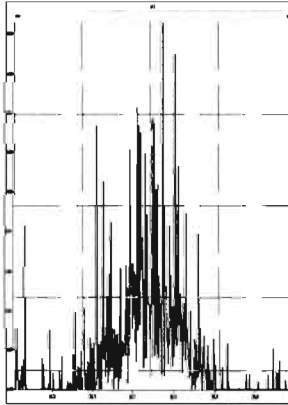


M 254.9856 R 9196

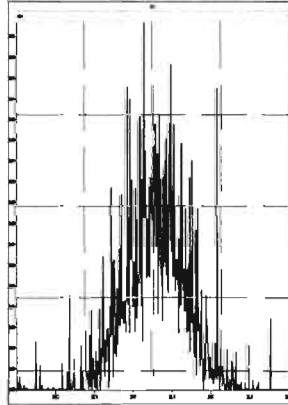


Printed: Wednesday, May 05, 2021 16:38:54 Pacific Daylight Time

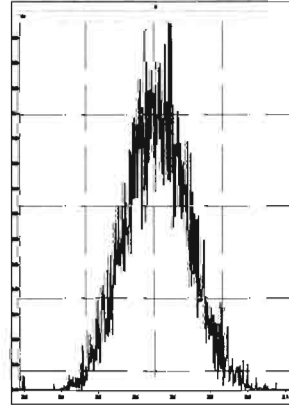
M 268.9824 R 18717



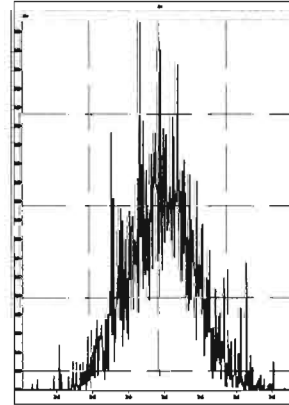
M 280.9824 R 11156



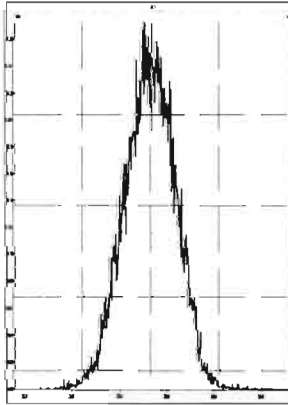
M 292.9824 R 8723



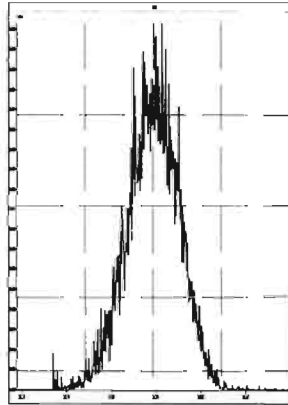
M 304.9824 R 9449



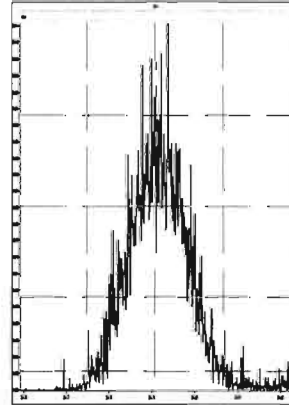
M 230.9856 R 9658



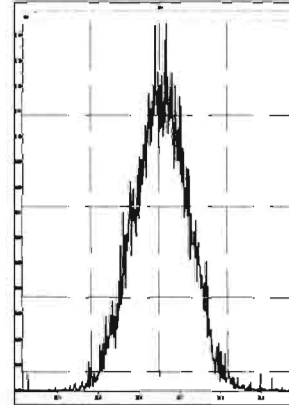
M 242.9856 R 9455



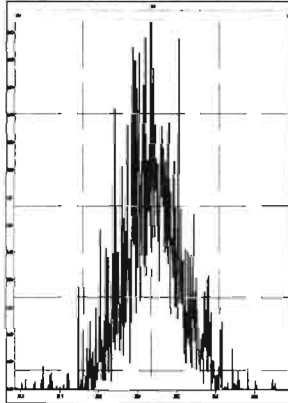
M 254.9856 R 10181



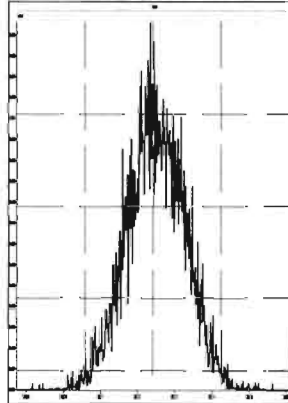
M 268.9824 R 9008



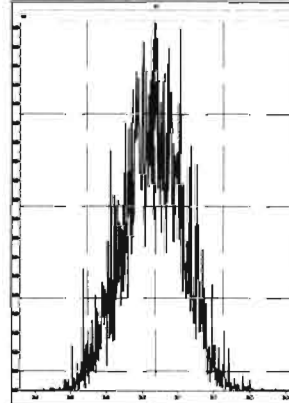
M 280.9824 R 10284



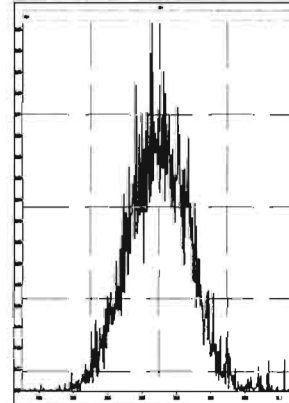
M 292.9824 R 8511



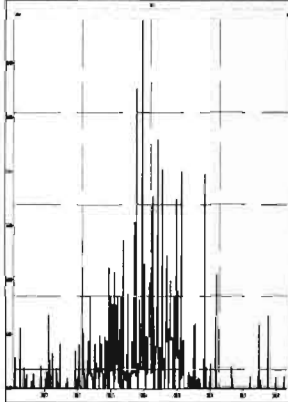
M 304.9824 R 9331



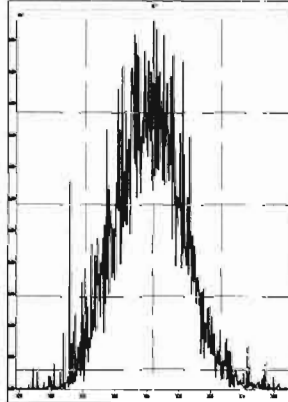
M 318.9792 R 8386



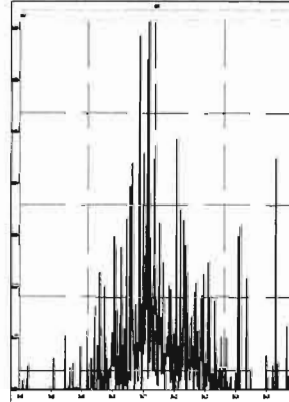
M 330.9792 R 326925



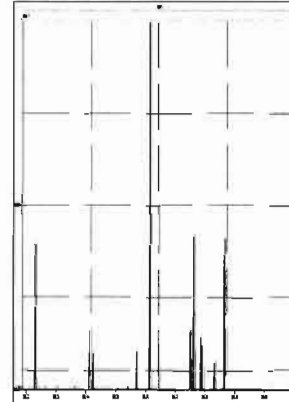
M 342.9792 R 8281



M 354.9792 R 102941



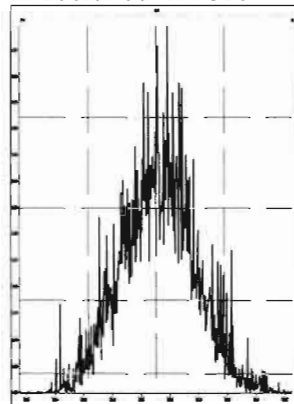
M 366.9792 R 312498



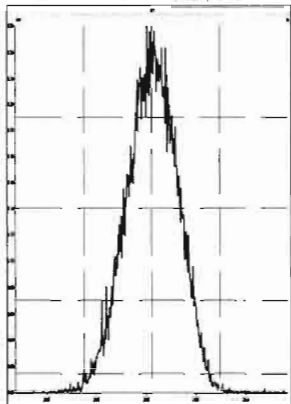
(A)

Printed: Wednesday, May 05, 2021 16:38:54 Pacific Daylight Time

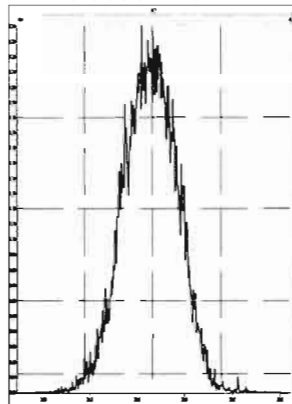
M 380.9760 R 7536



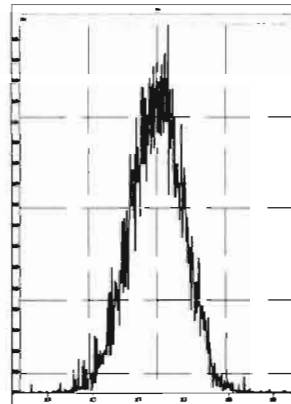
M 218.9856 R 9174



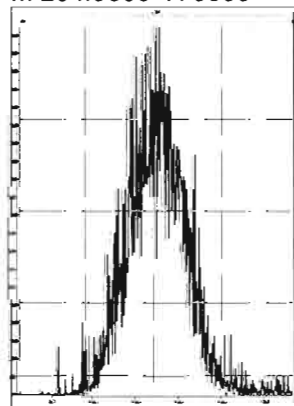
M 230.9856 R 9327



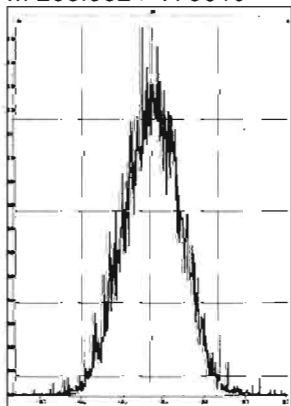
M 242.9856 R 9523



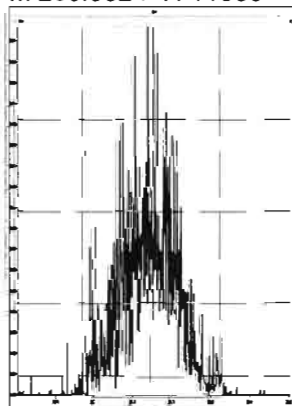
M 254.9856 R 9399



M 268.9824 R 8510



M 280.9824 R 11386



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST21050641-1

**Reviewed By:** HZ 5.7.2011

*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"/>
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input type="checkbox" value="NA"/>	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input type="checkbox" value="NA"/>	<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>PP</u>	<input type="checkbox"/>
<b>Run Log:</b>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Samples within 12 hour clock?	<input type="checkbox" value="Y"/>	<input type="checkbox" value="N"/>
- Bottle position verified?	<u>DP</u>	<input type="checkbox"/>

**Mass resolution  $\geq$**

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

**Intergrated peaks display correctly?**

**GC Break <20%**

**8280 CS1 End Standard:**

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

**Comments:**

(A) ~~ICAL~~ only for Aldrin, GC break not needed  
 (B) Column bleed in one mass

	<u>Beg.</u>	<u>End</u>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox" value="B"/>
	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>
	<input type="checkbox" value="NA"/>	<input type="checkbox" value="NA"/>

Dataset: U:\vg10.PRO\Results\210506H1\210506H1\_1.qld

Last Altered: Thursday, May 06, 2021 10:31:27 AM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:32:13 PM Pacific Daylight Time

*DF 05/06/21*

*12 5.7.2021*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210506H1\_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210506H1\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	9 Aldrin	3.03e5	2.67e5	1.61	NO	1.12	1.000	30.82	1.001	1.001	NO	50.932	102 <sup>75-125</sup>	0.0383	50.9
2	40 13C12-Aldrin	2.67e5	2.16e6	1.62	NO	0.152	1.000	30.79	1.183	1.181	NO	40.500	81.0 <sup>50-60</sup>	0.0598	
3	62 13C-PCB-15	2.16e6	2.16e6	1.57	NO	1.00	1.000	26.02	1.000	1.000	NO	50.000	100	0.0202	

Dataset: Untitled

Last Altered: Thursday, May 06, 2021 16:19:20 Pacific Daylight Time  
Printed: Thursday, May 06, 2021 16:19:37 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

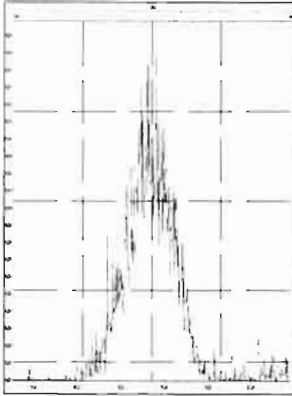
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210506H1_1	ST210506H1_1 1699 CS3 21C0 402	06-May-21	09:43:17
2	210506H1_2	SOLVENT BLANK	06-May-21	10:33:33
3	210506H1_3	2103219-06RE1@3X USMPDI-069RAB-20-36...	06-May-21	11:20:39
4	210506H1_4	2103219-06RE1@6X USMPDI-069RAB-20-36...	06-May-21	12:20:52
5	210506H1_5	2103219-03RE1@6X USMPDI-068RAB-20-32...	06-May-21	13:43:15
6	210506H1_6	2103216-11RE2@6X USMPDI-064RAB-00-10...	06-May-21	14:30:55
7	210506H1_7	SOLVENT BLANK	06-May-21	15:22:39

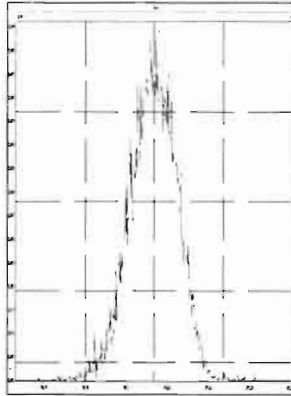
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:37:13 Pacific Daylight Time

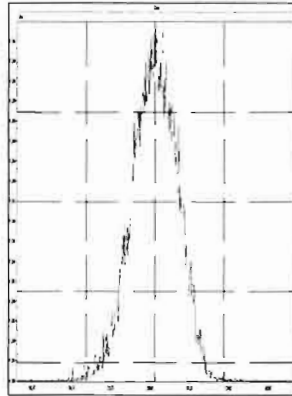
M 254.9856 R 12267



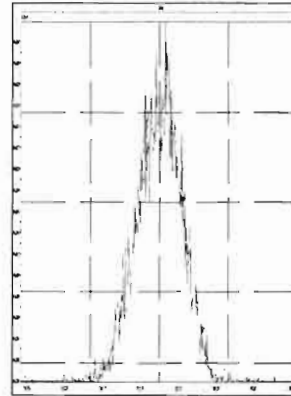
M 268.9824 R 10929



M 280.9824 R 10985



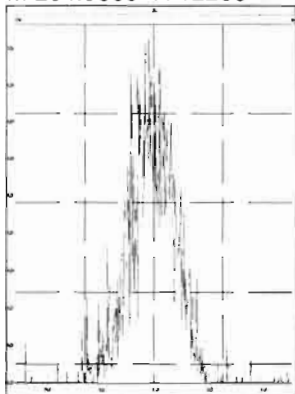
M 292.9824 R 11297



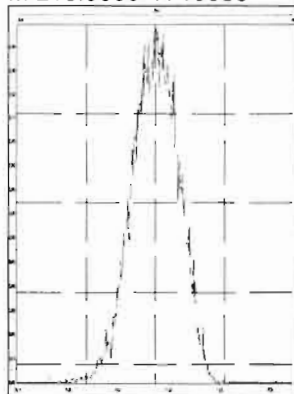
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:38:07 Pacific Daylight Time

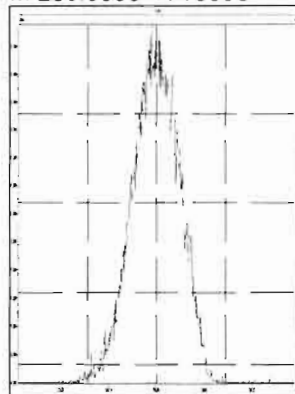
M 204.9888 R 12266



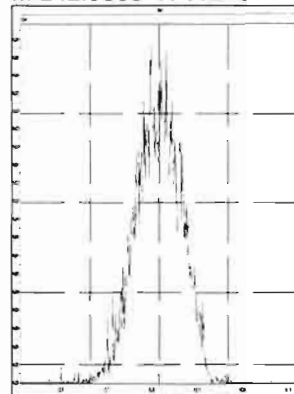
M 218.9856 R 10638



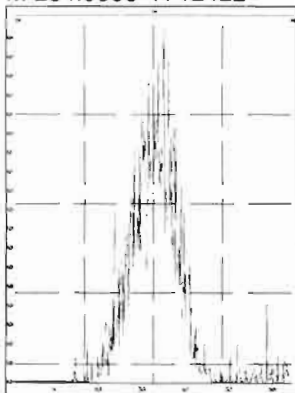
M 230.9856 R 10696



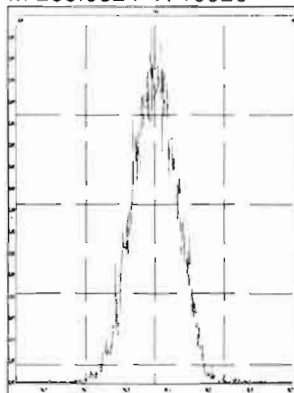
M 242.9856 R 11238



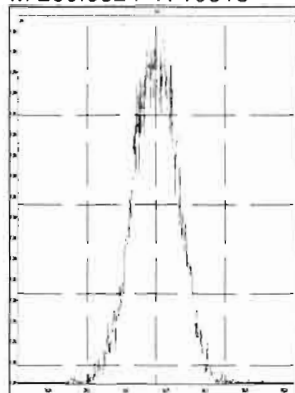
M 254.9856 R 12422



M 268.9824 R 10926



M 280.9824 R 10813

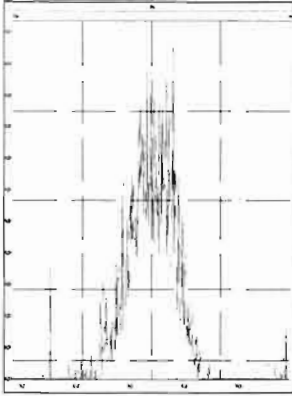




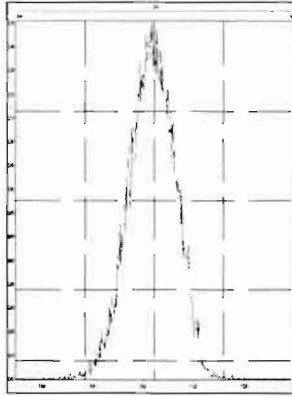
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:38:46 Pacific Daylight Time

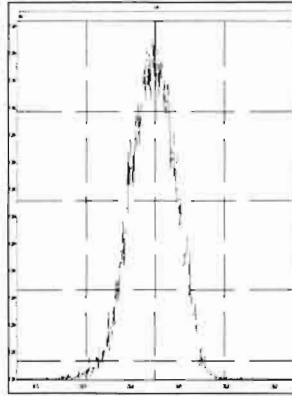
M 204.9888 R 11765



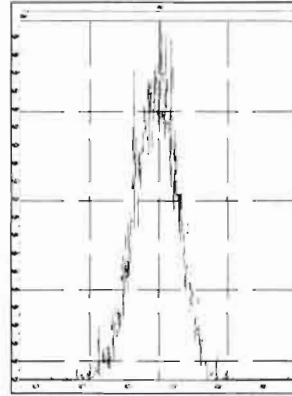
M 218.9856 R 10638



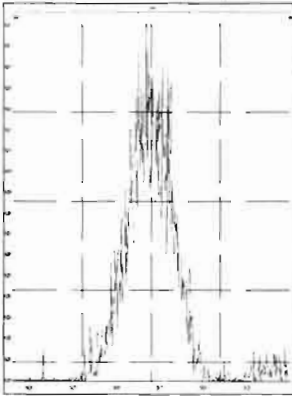
M 230.9856 R 11297



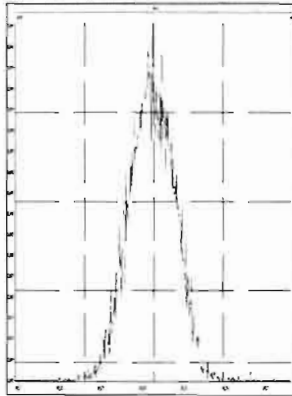
M 242.9856 R 12120



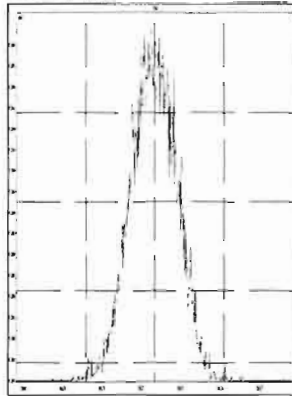
M 254.9856 R 11764



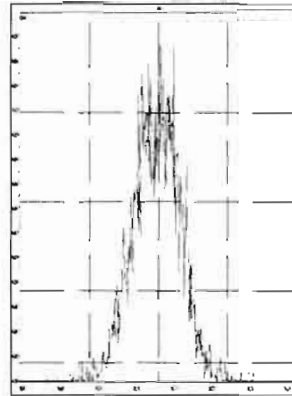
M 268.9824 R 11302



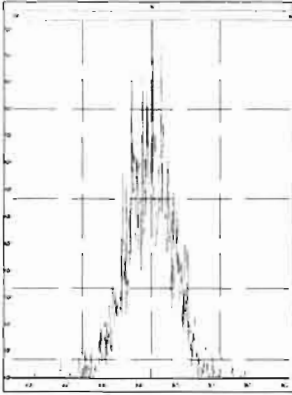
M 280.9824 R 10987



M 292.9824 R 10810



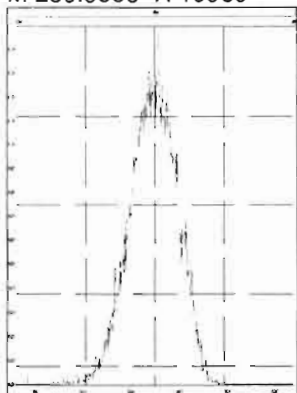
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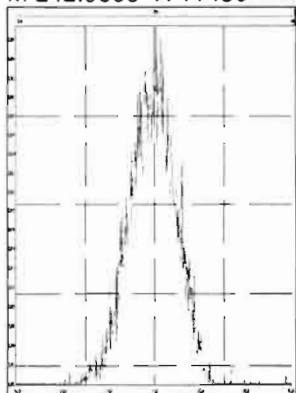
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:39:45 Pacific Daylight Time

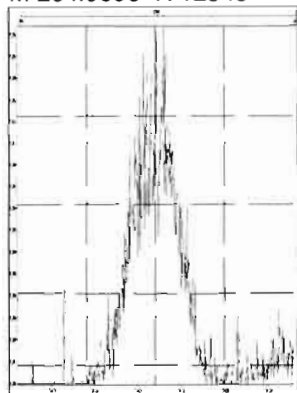
M 230.9856 R 10989



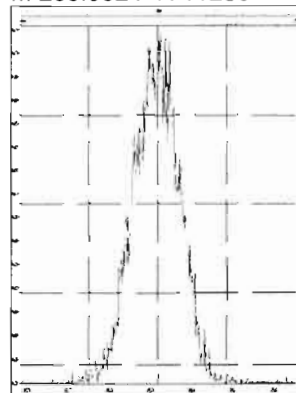
M 242.9856 R 11430



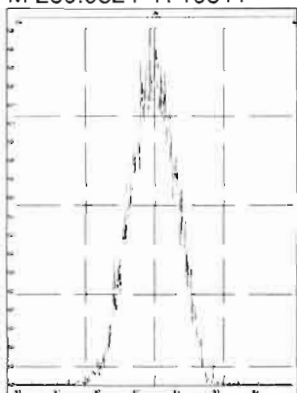
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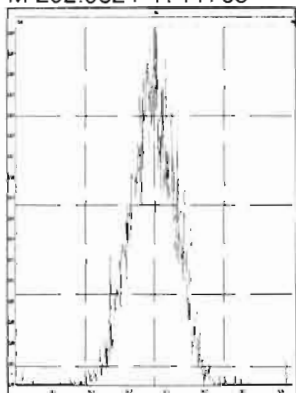
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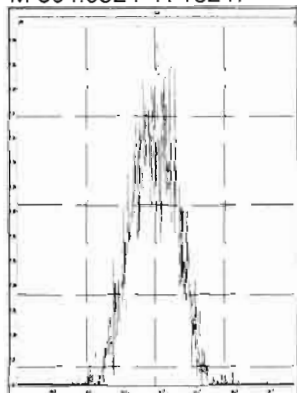
M 280.9824 R 10811



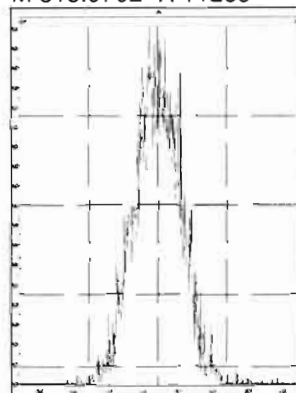
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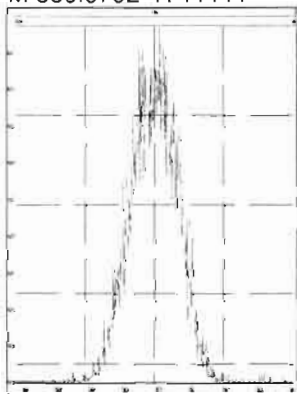
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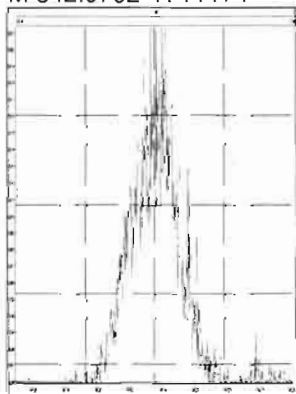
M 318.9792 R 11235



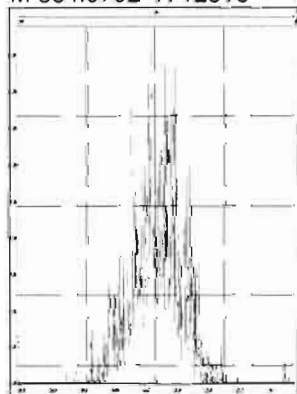
M 330.9792 R 11111



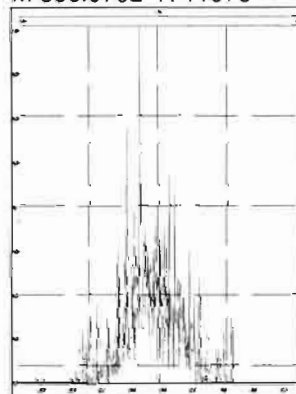
M 342.9792 R 11174



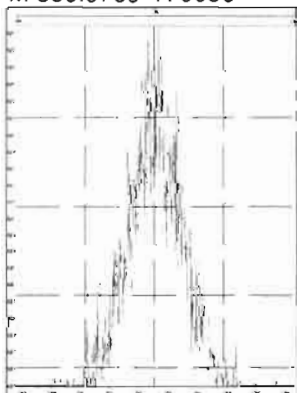
M 354.9792 R 12818



M 366.9792 R 11978



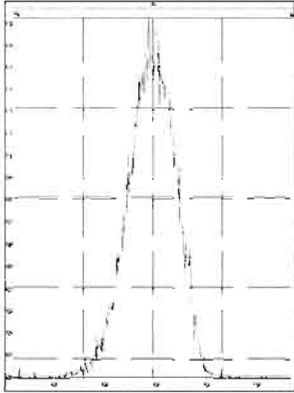
M 380.9760 R 9950



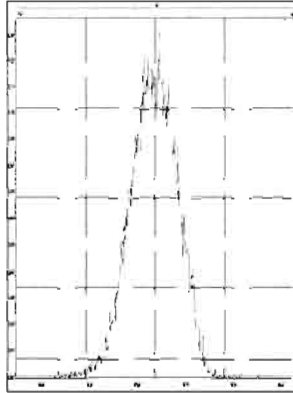
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Thursday, May 06, 2021 09:40:20 Pacific Daylight Time

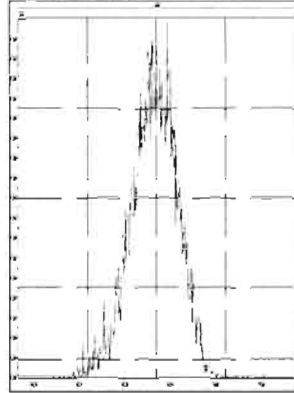
M 218.9856 R 10363



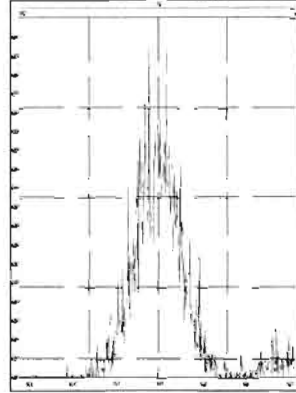
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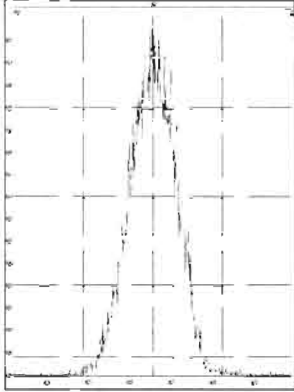
M 242.9856 R 11050



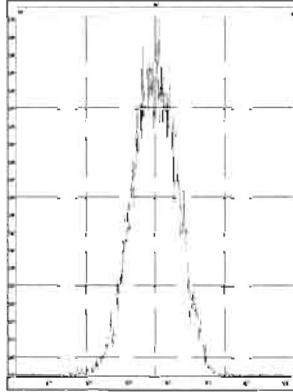
M 254.9856 R 11906



M 268.9824 R 10814



M 280.9824 R 10988



Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

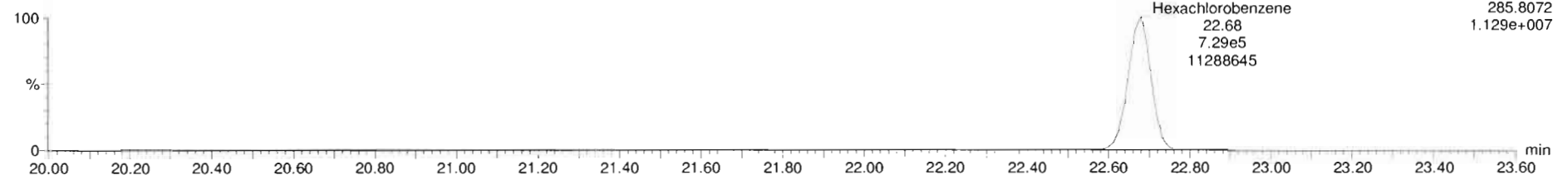
Name: 210506H1\_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene

210506H1\_1

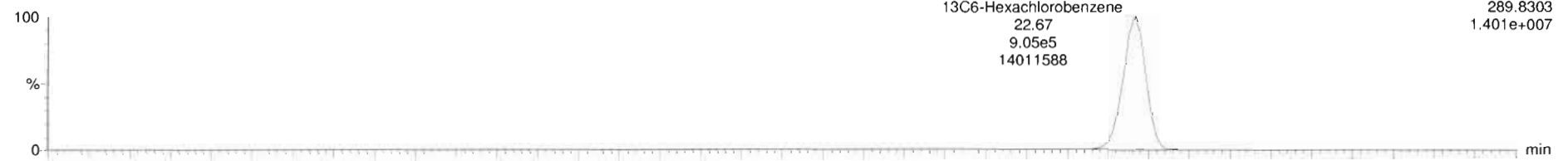


210506H1\_1

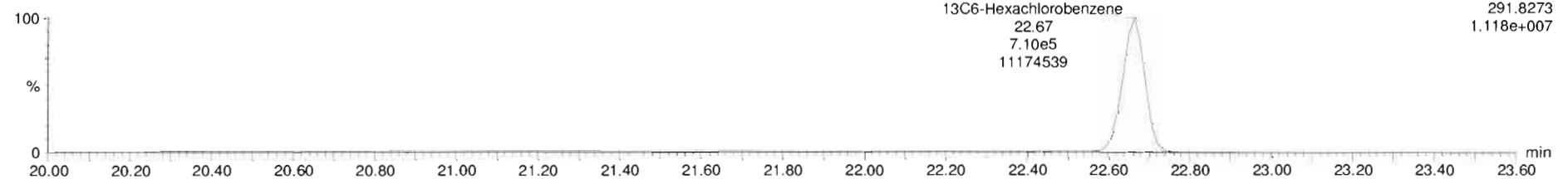


13C6-Hexachlorobenzene

210506H1\_1



210506H1\_1

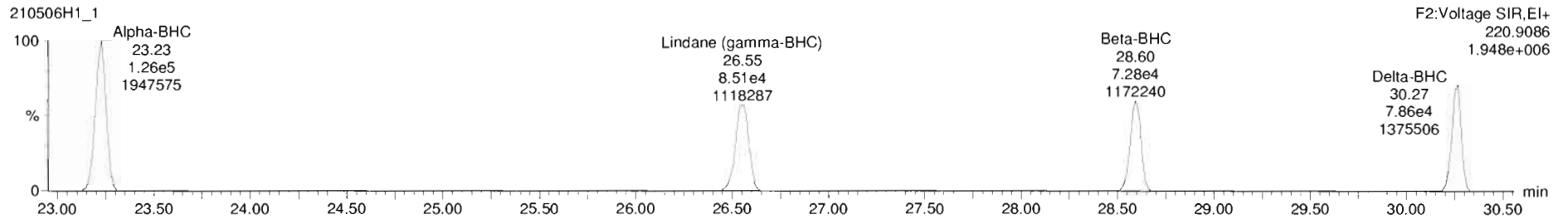
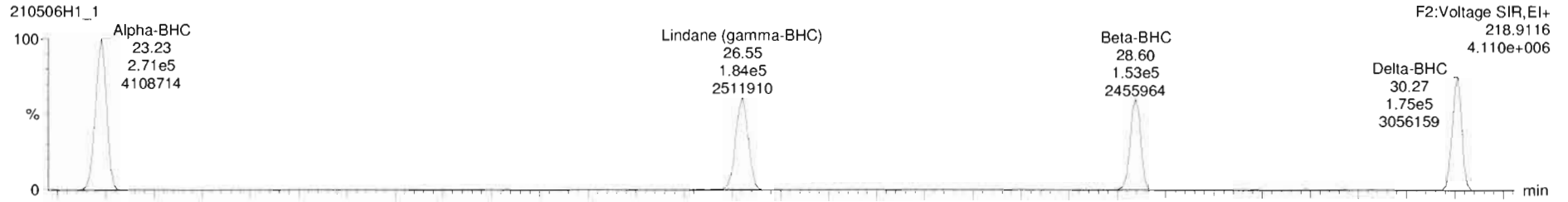


Dataset: Untitled

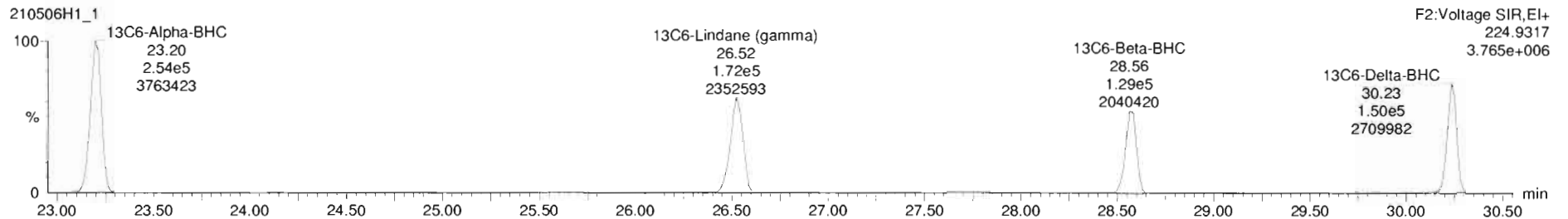
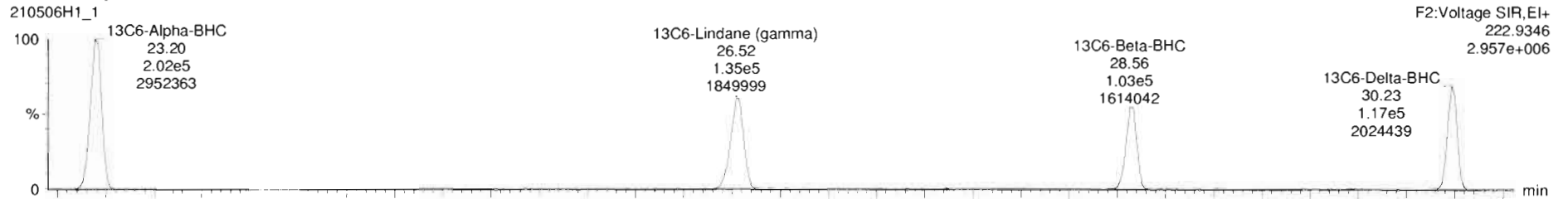
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**BHC Totals**



**BHC-isotopes**



Dataset: Untitled

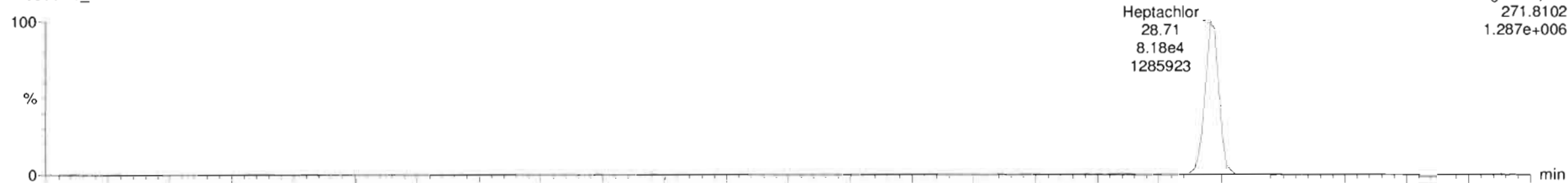
Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

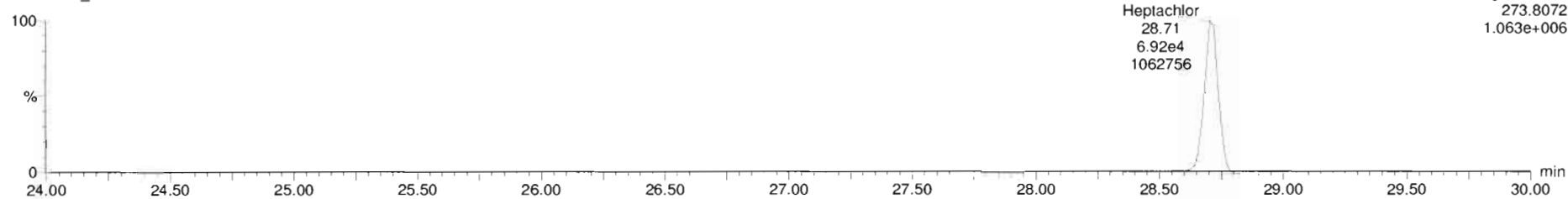
Name: 210506H1\_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Heptachlor**

210506H1\_1

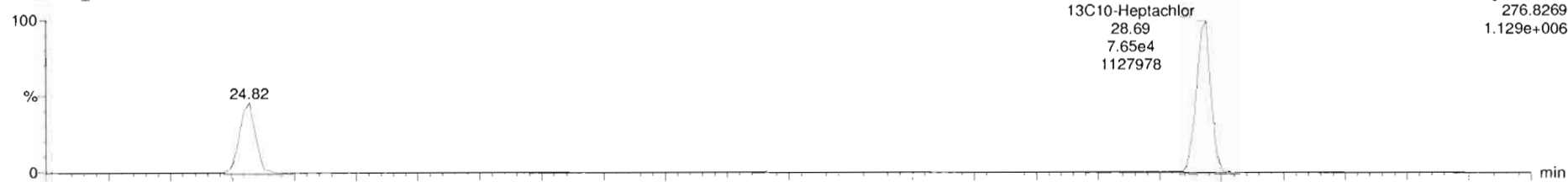


210506H1\_1

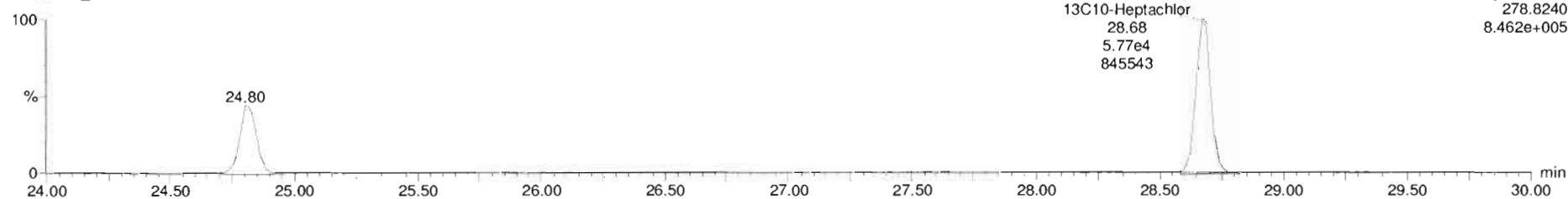


**13C10-Heptachlor**

210506H1\_1



210506H1\_1



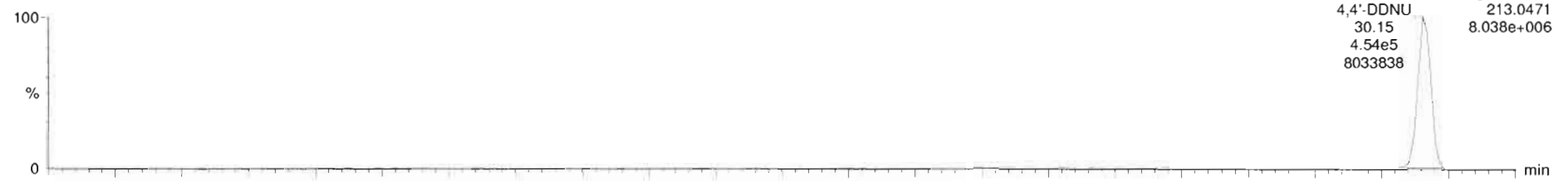
Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

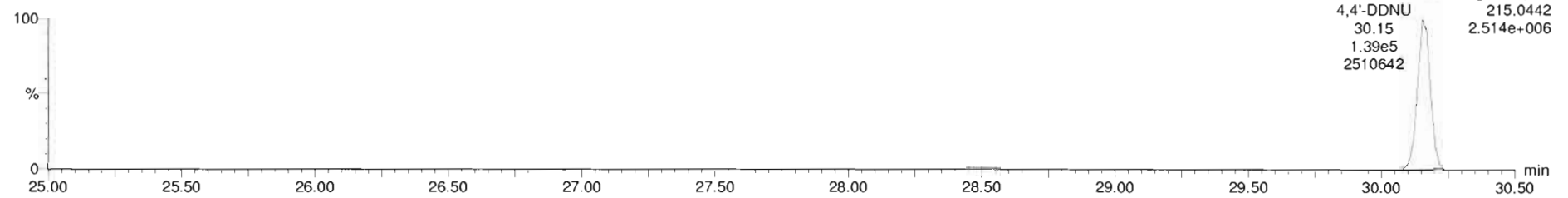
Name: 210506H1\_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**4,4'-DDNU**

210506H1\_1

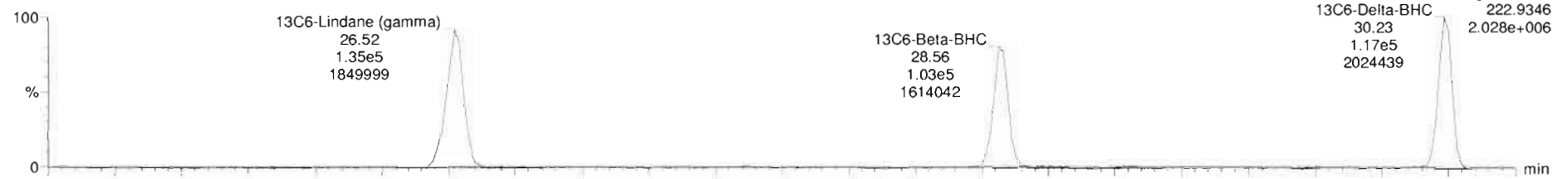


210506H1\_1

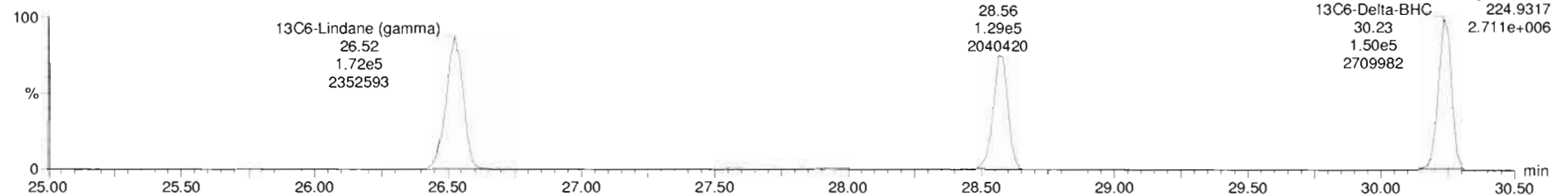


**13C6-Delta-BHC**

210506H1\_1



210506H1\_1

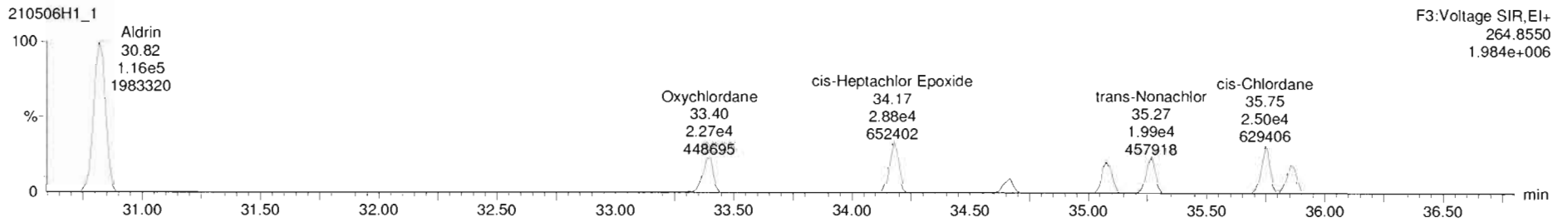
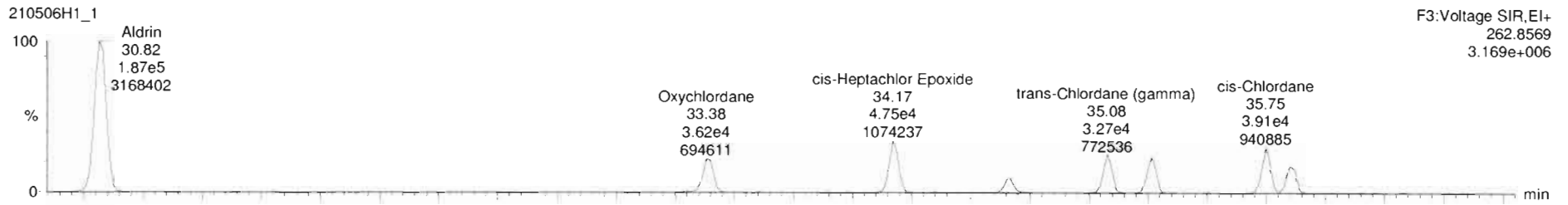


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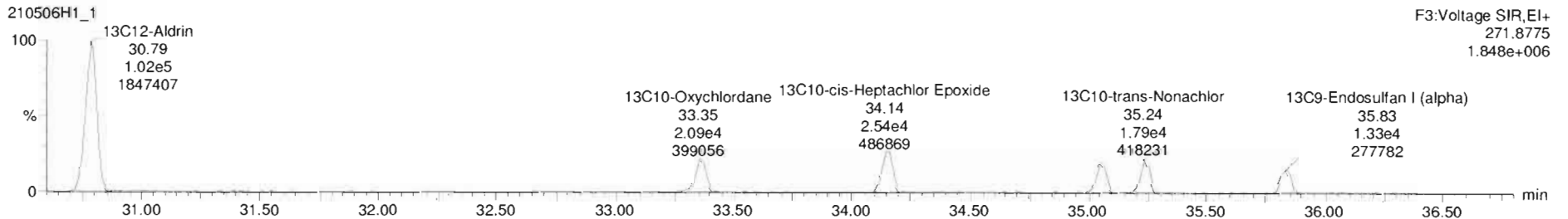
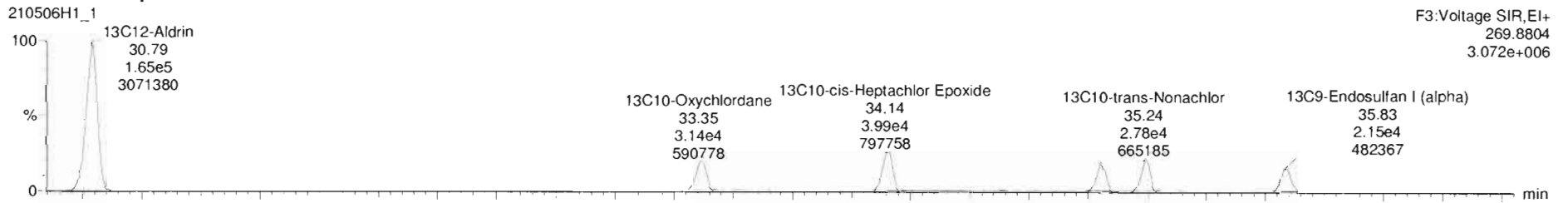
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Aldrin-EI**



**Aldrin-EI-isotopes**





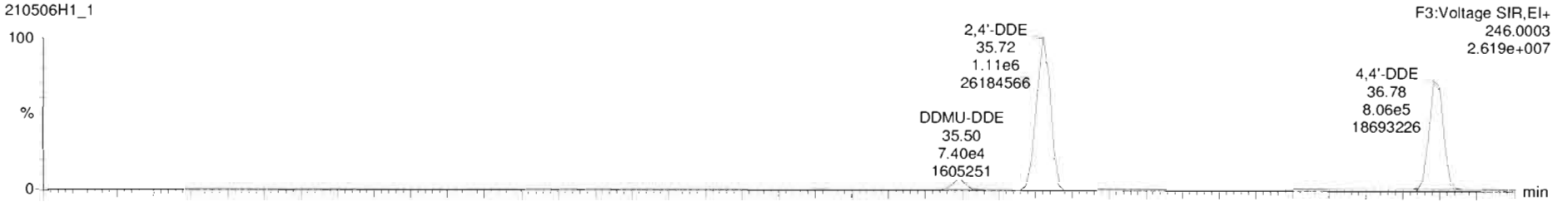
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

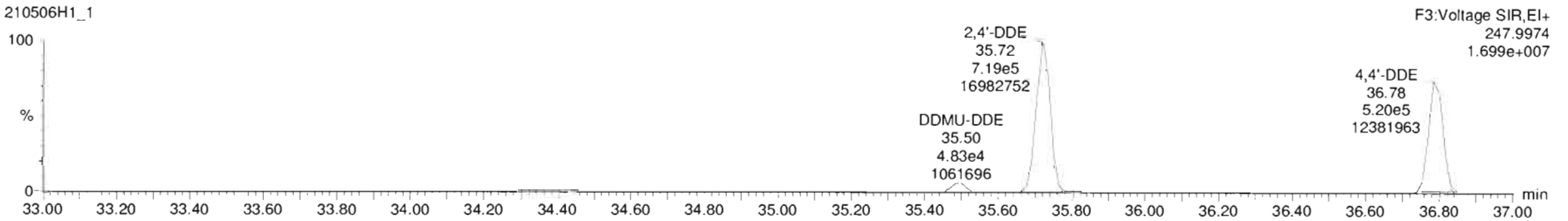
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**DDMU-DDE**

210506H1\_1

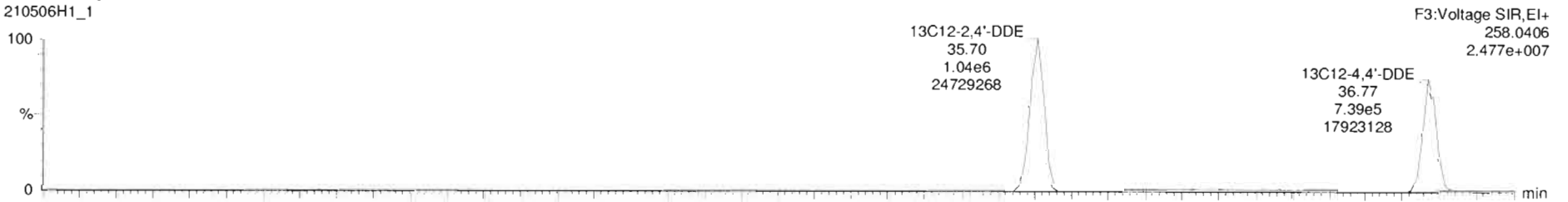


210506H1\_1

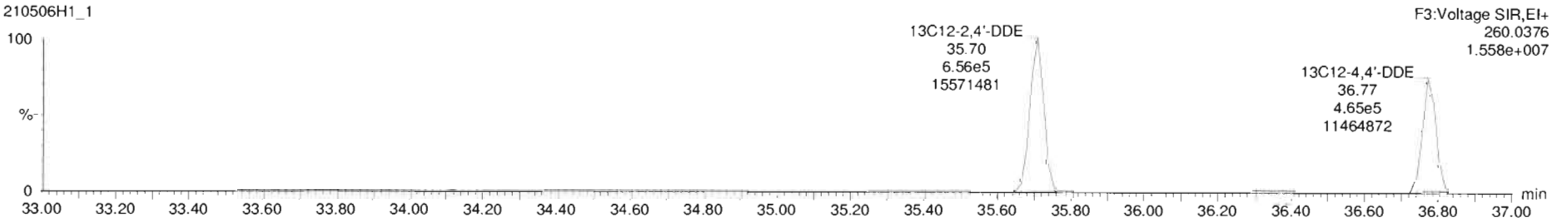


**DDE-isotopes**

210506H1\_1



210506H1\_1



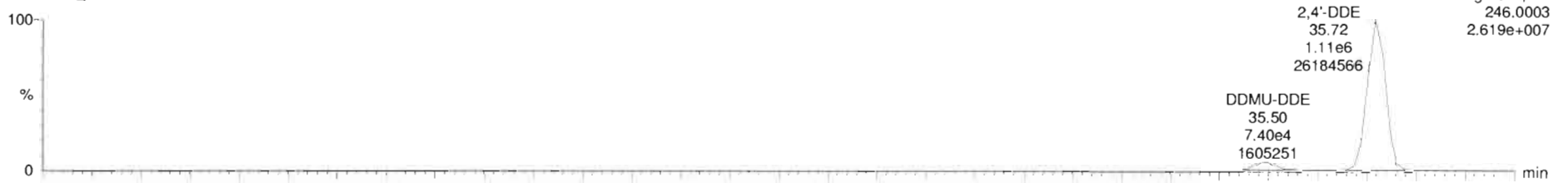
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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
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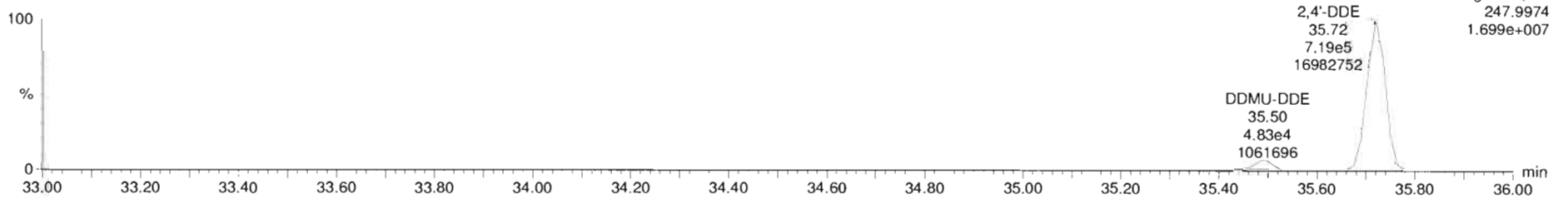
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**2,4'-DDE**

210506H1\_1

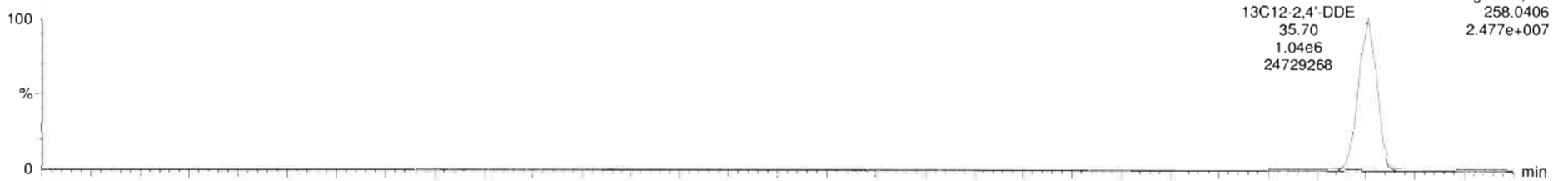


210506H1\_1

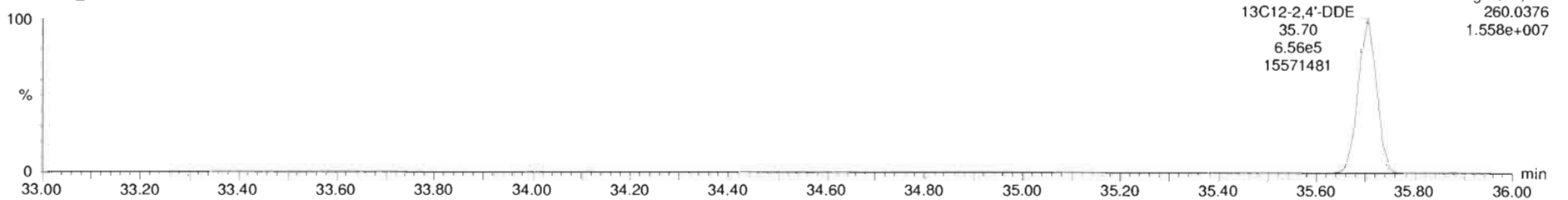


**13C12-2,4'-DDE**

210506H1\_1



210506H1\_1



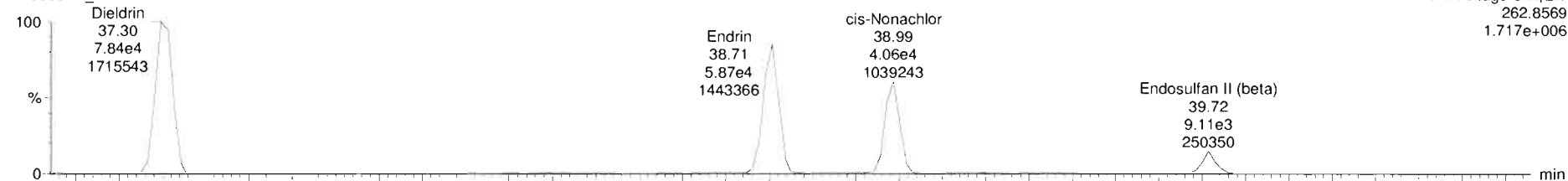
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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

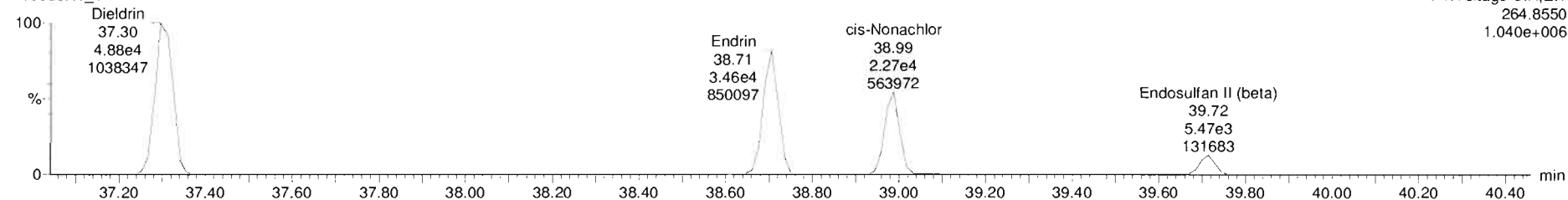
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**Dieldrin-EII**

210506H1\_1

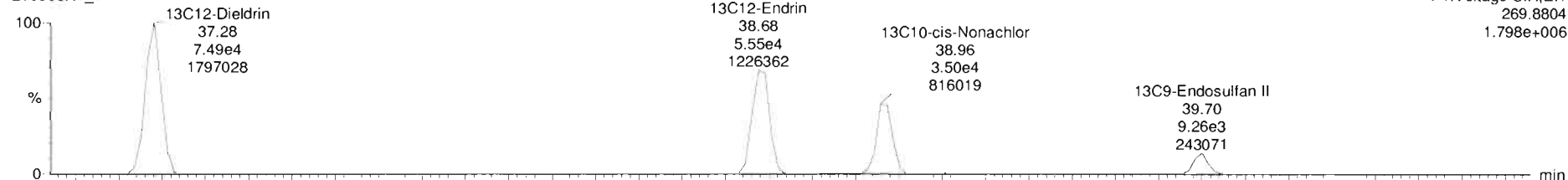


210506H1\_1

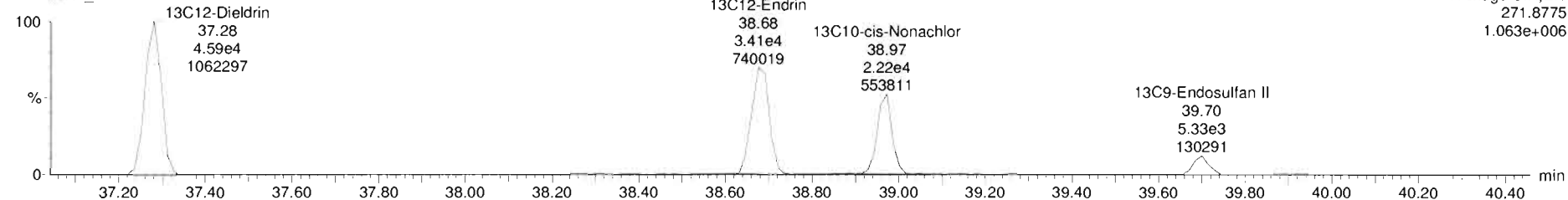


**Dieldrin-EII-isotopes**

210506H1\_1



210506H1\_1



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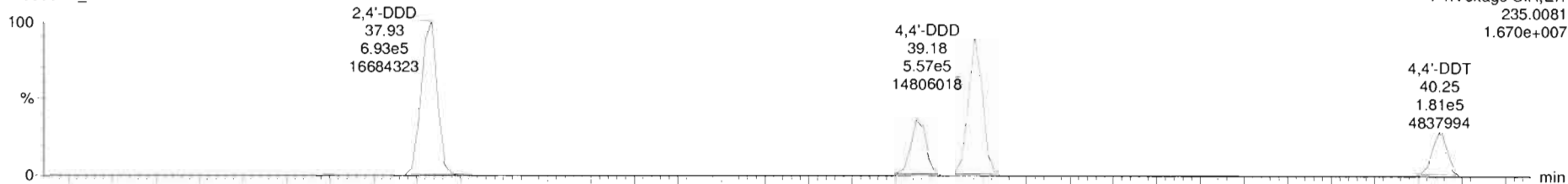
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

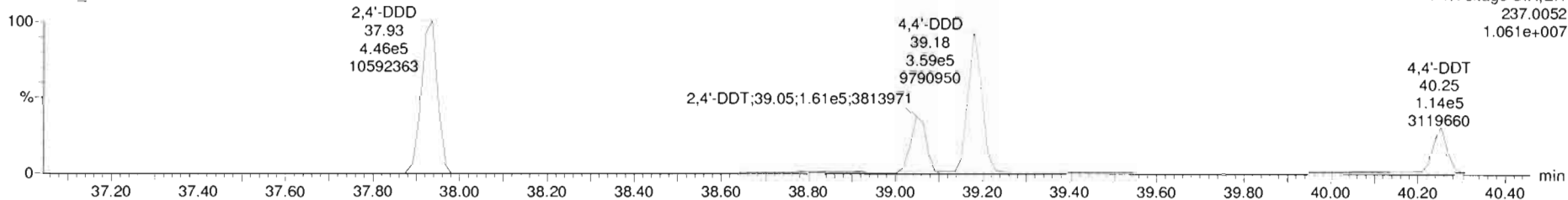
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DDD-DDT

210506H1\_1

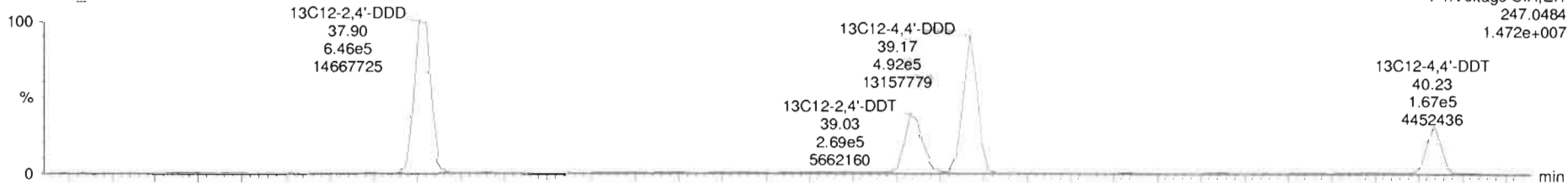


210506H1\_1

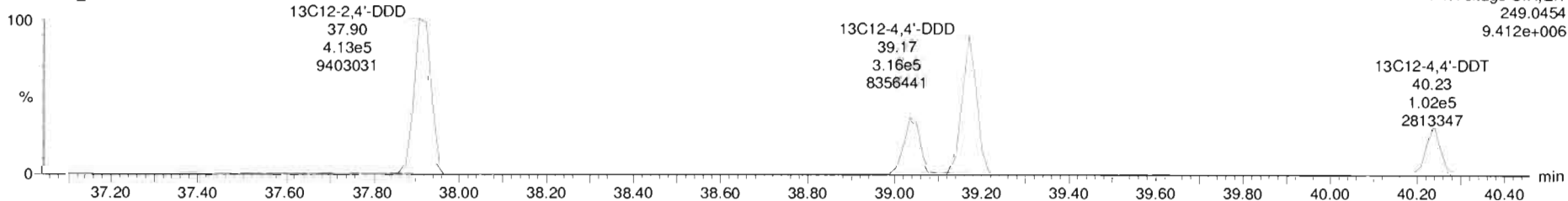


DDD-DDT-isotopes

210506H1\_1



210506H1\_1



Dataset: Untitled

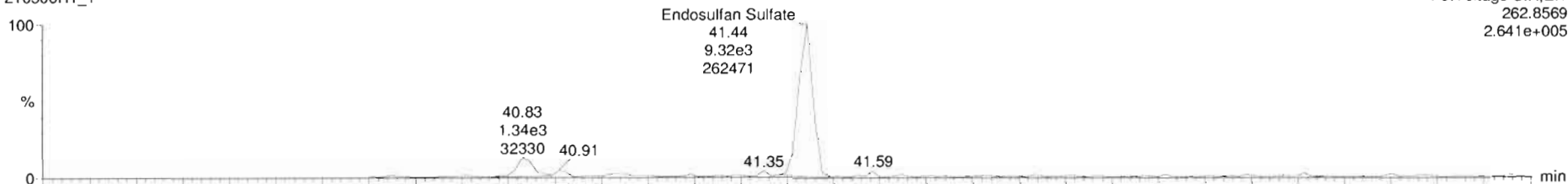
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

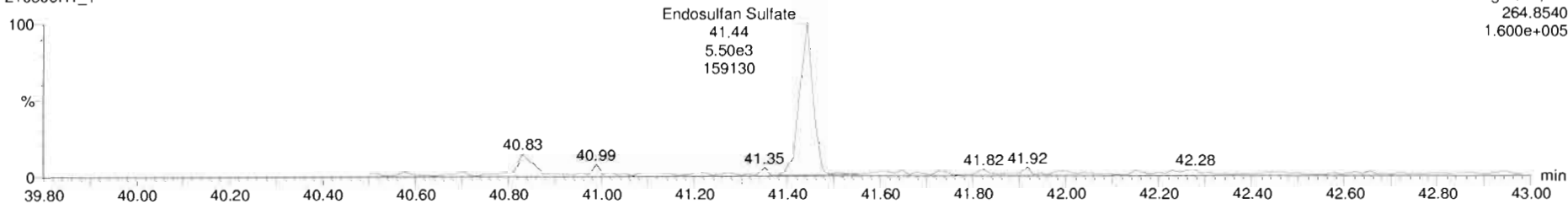
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Endosulfan Sulfate

210506H1\_1

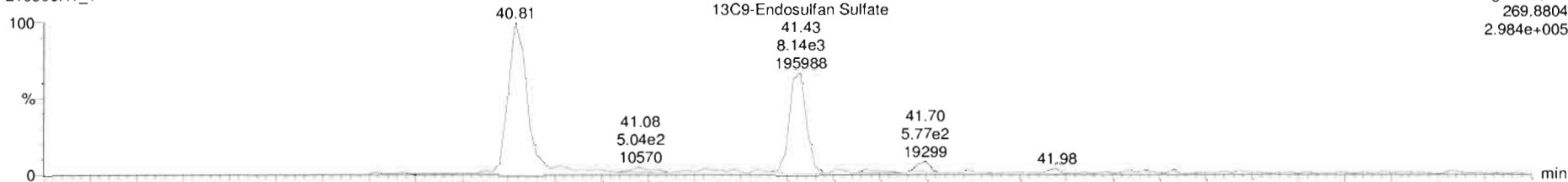


210506H1\_1

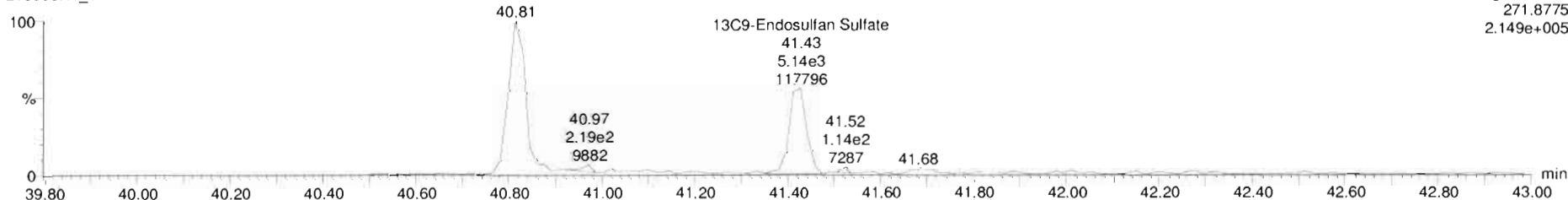


13C9-Endosulfan Sulfate

210506H1\_1



210506H1\_1



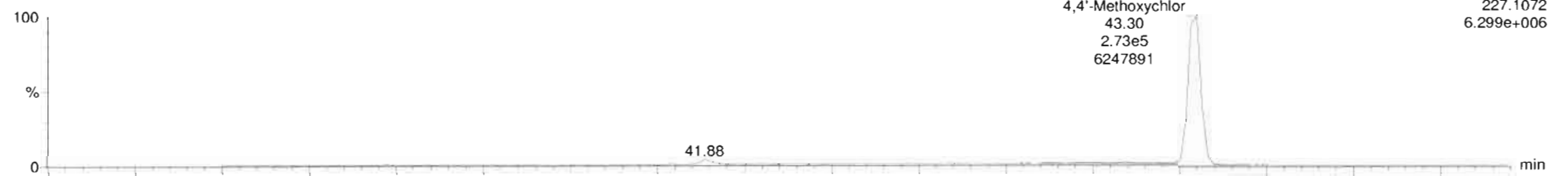
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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

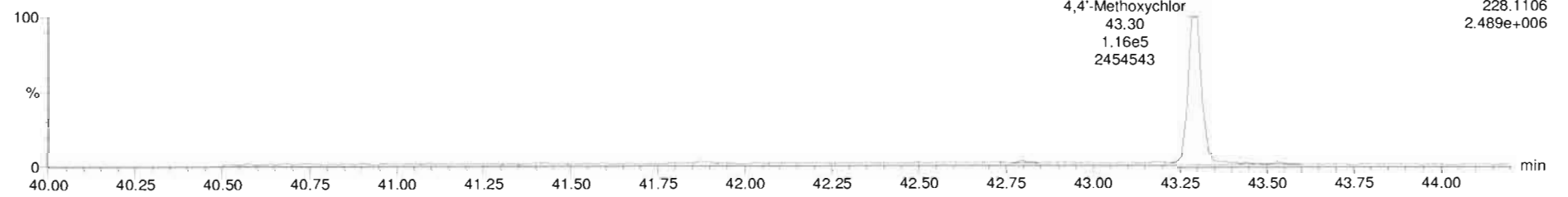
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**4,4'-Methoxychlor**

210506H1\_1

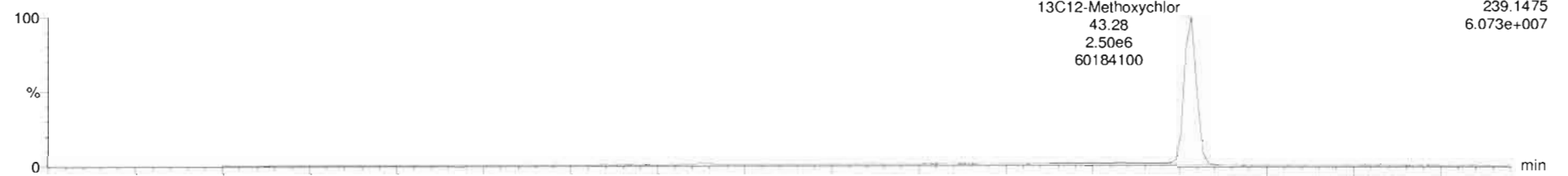


210506H1\_1

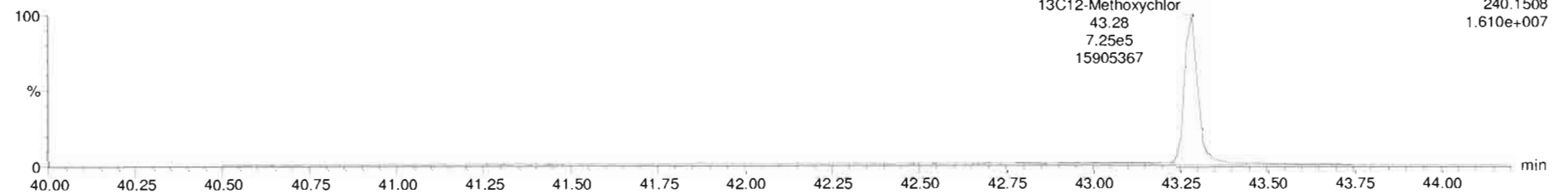


**13C12-Methoxychlor**

210506H1\_1



210506H1\_1

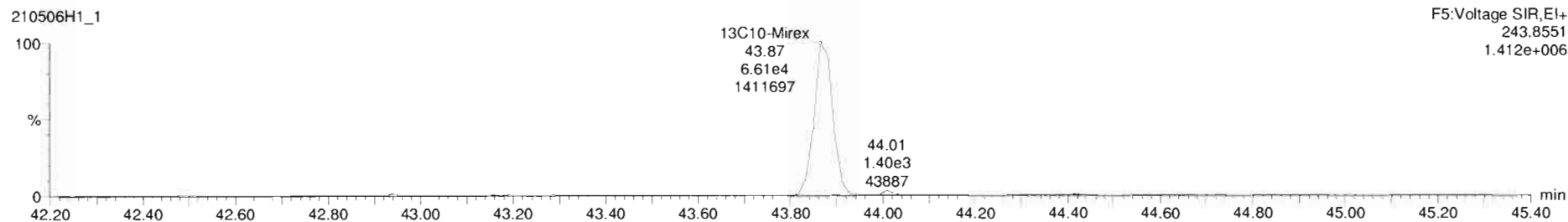
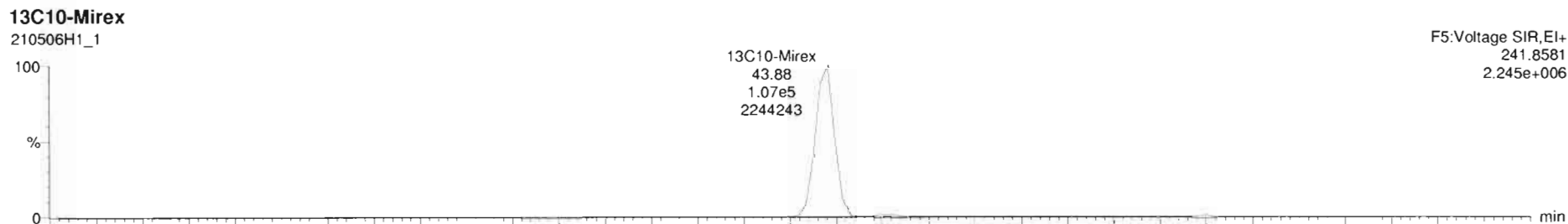
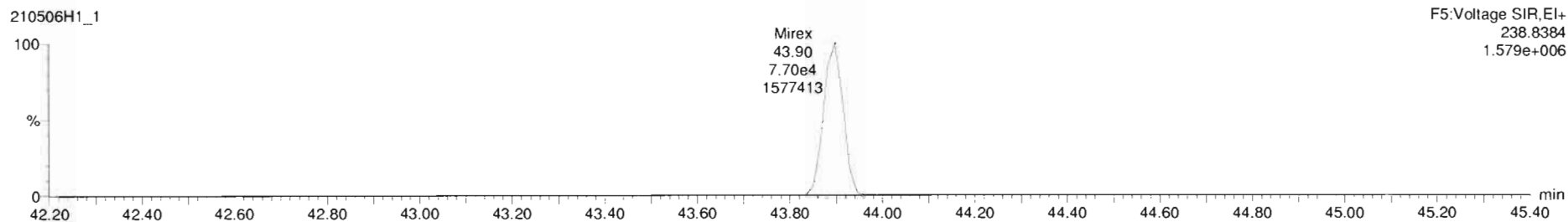
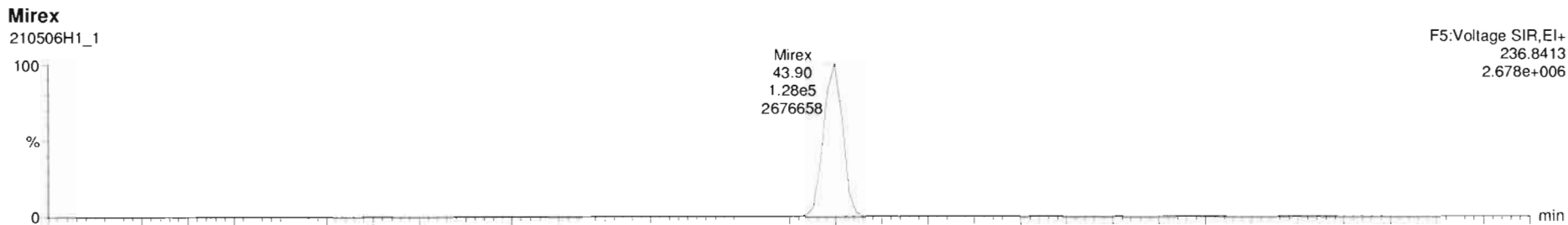


Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

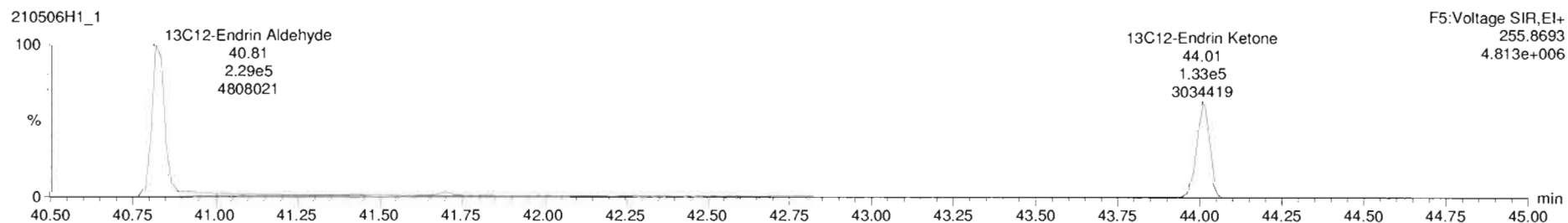
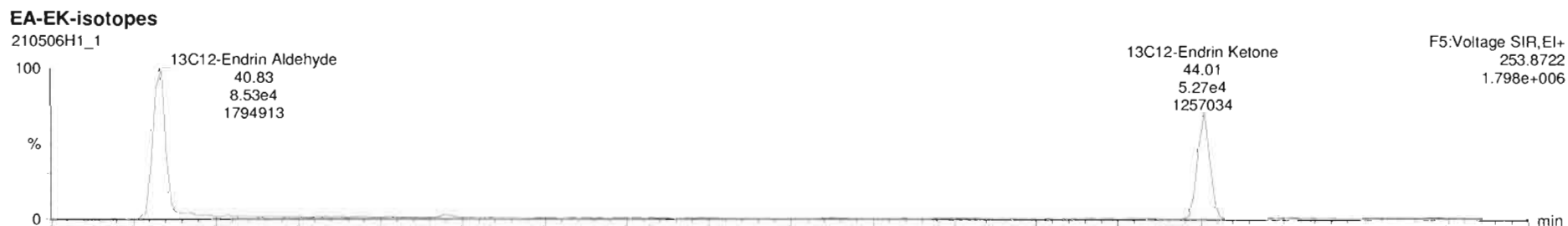
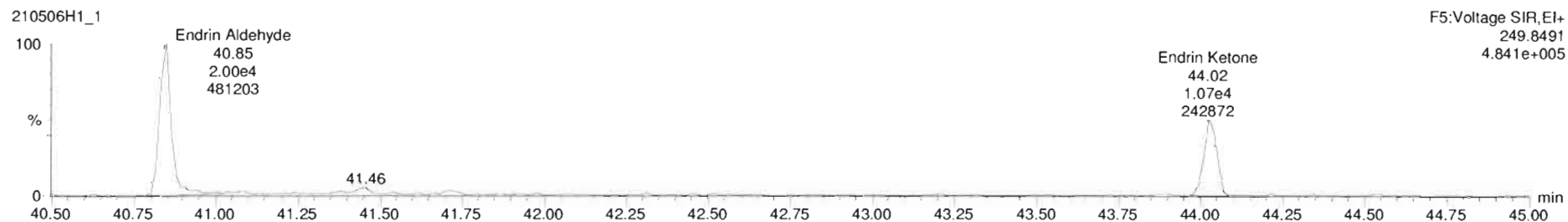
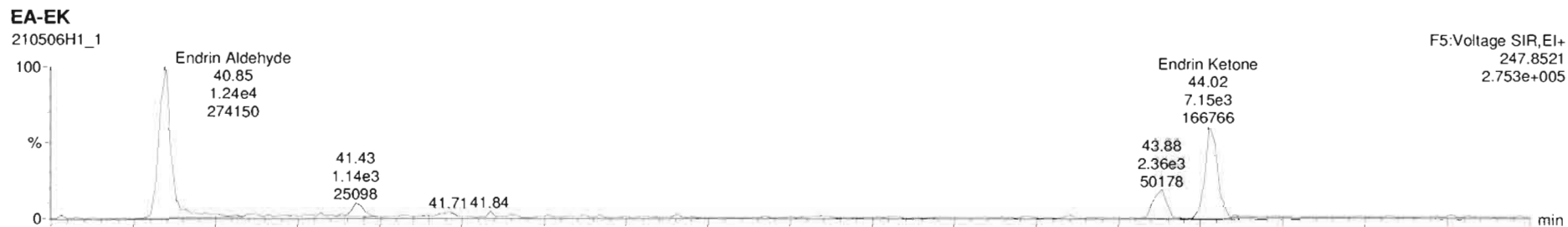
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Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time  
Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

Name: 210506H1\_1, Date: 06-May-2021, Time: 09:43:17, ID: ST210506H1\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402





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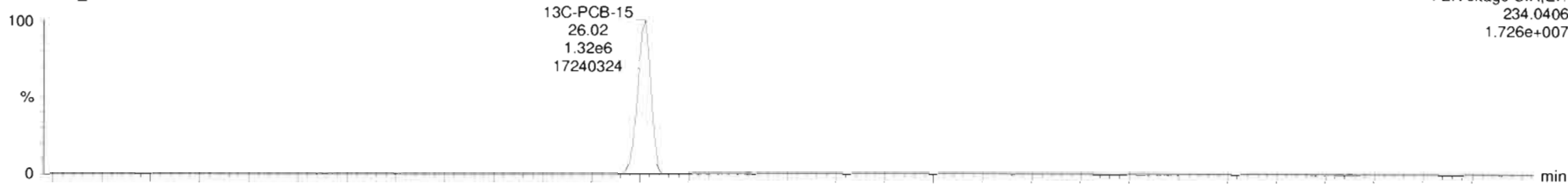
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

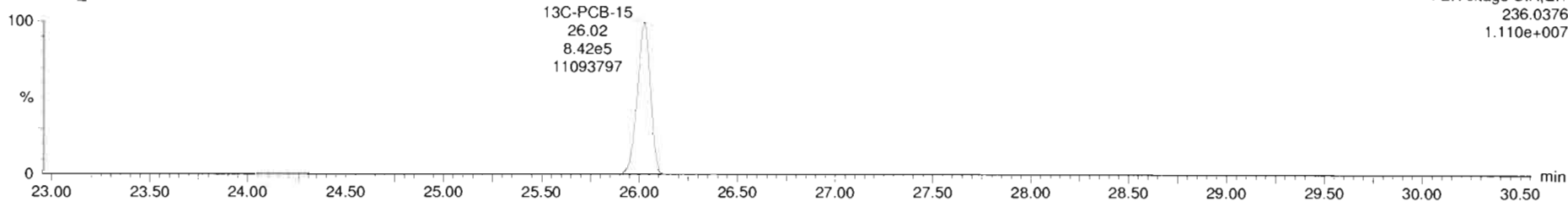
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13C-PCB-15

210506H1\_1

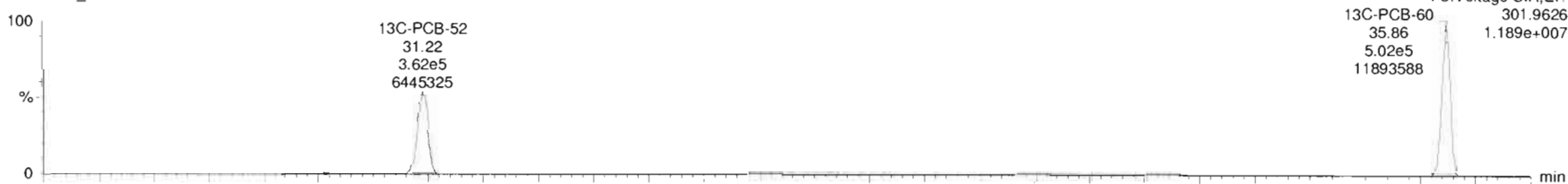


210506H1\_1

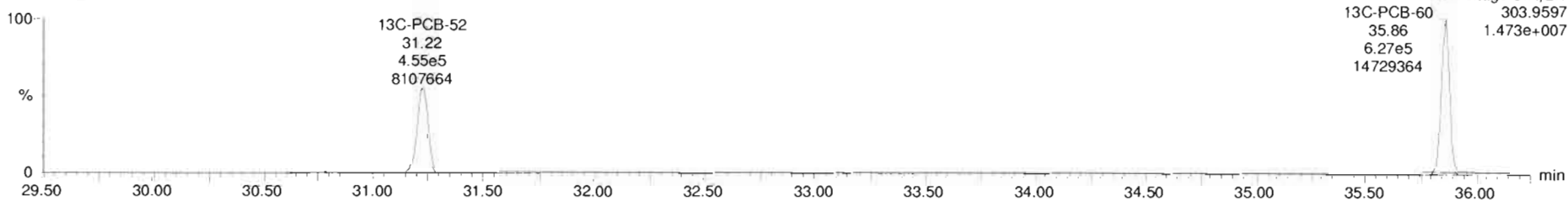


13C-PCB-60

210506H1\_1



210506H1\_1



Dataset: Untitled

Last Altered: Thursday, May 06, 2021 3:23:45 PM Pacific Daylight Time

Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

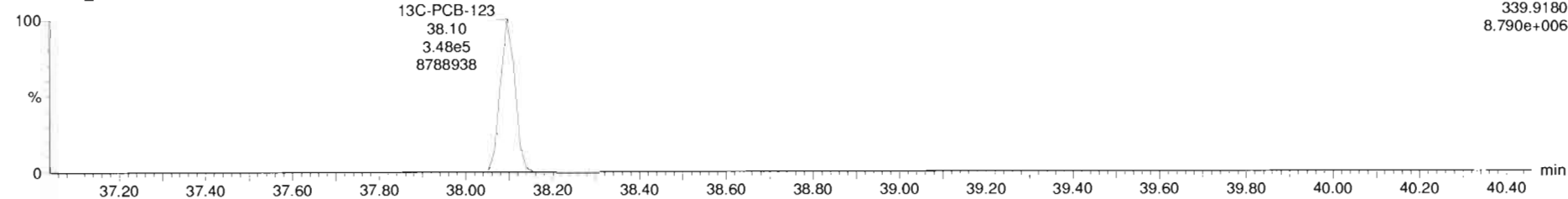
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13C-PCB-123

210506H1\_1

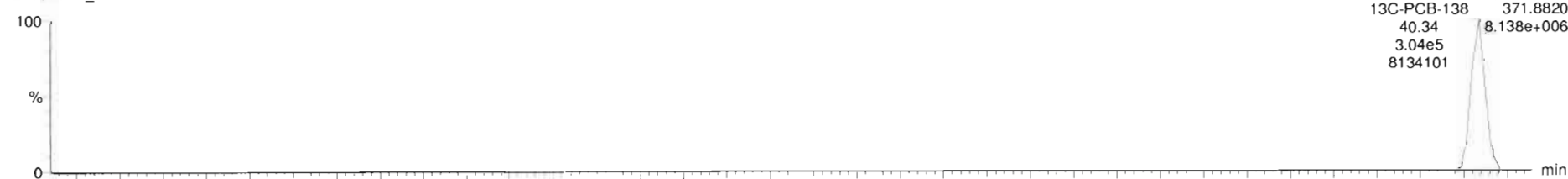


210506H1\_1

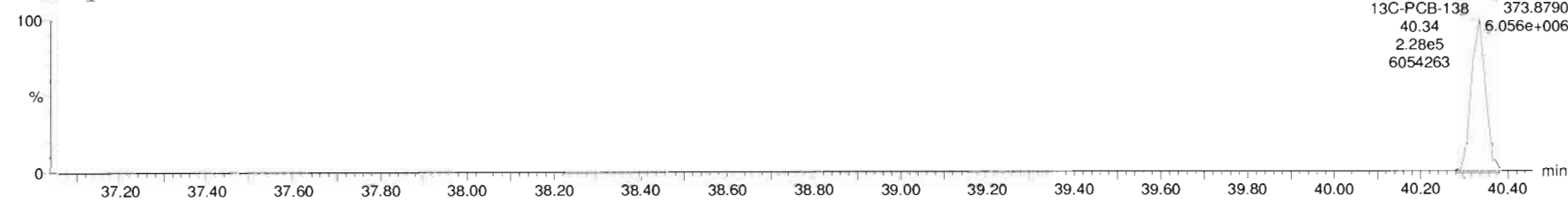


13C-PCB-138

210506H1\_1



210506H1\_1



Dataset: Untitled

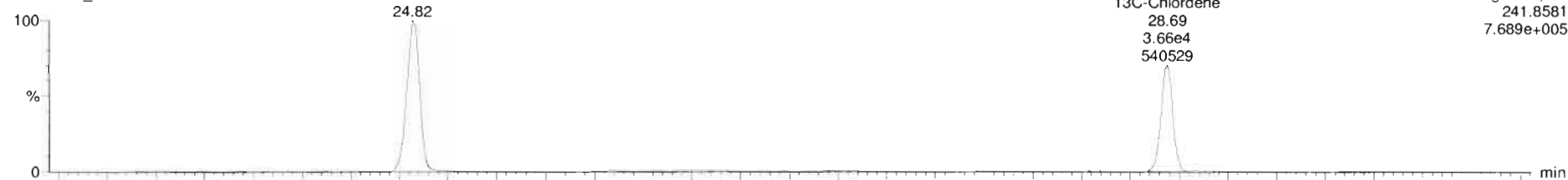
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

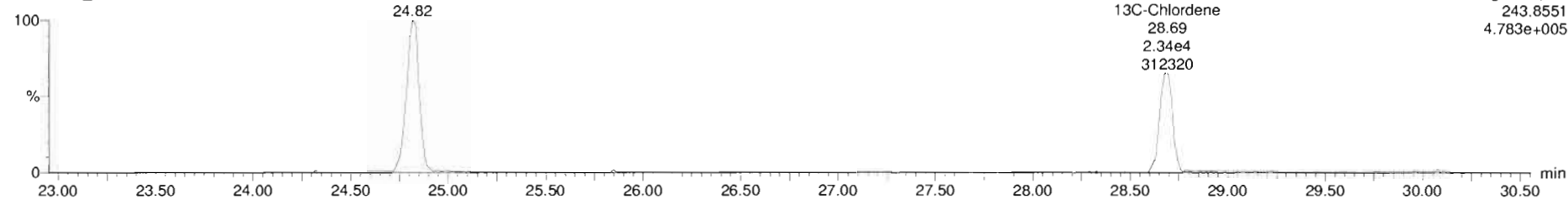
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13C-Chlordene

210506H1\_1

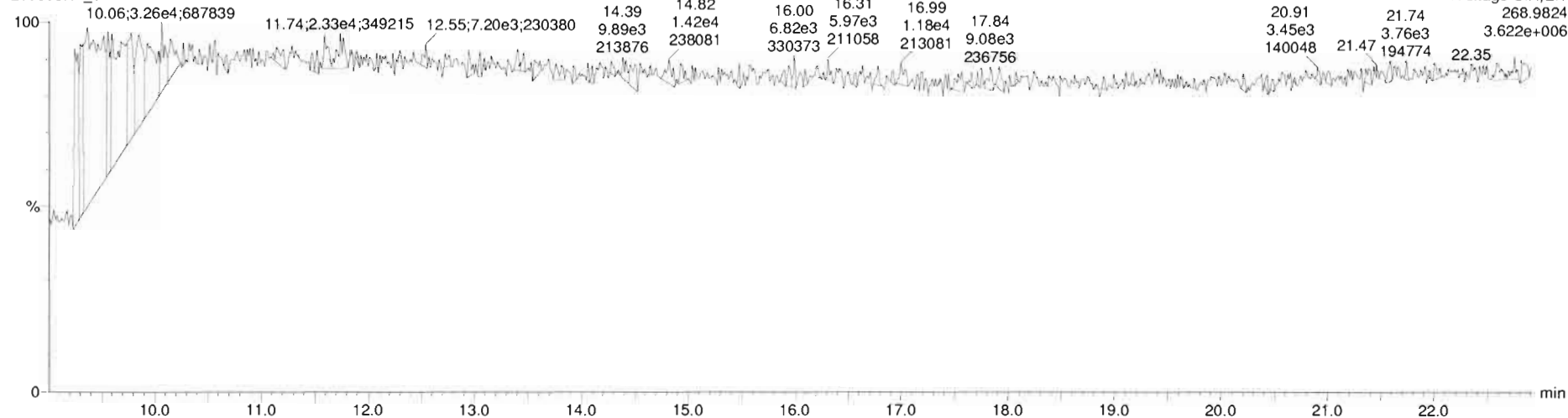


210506H1\_1



PFK1

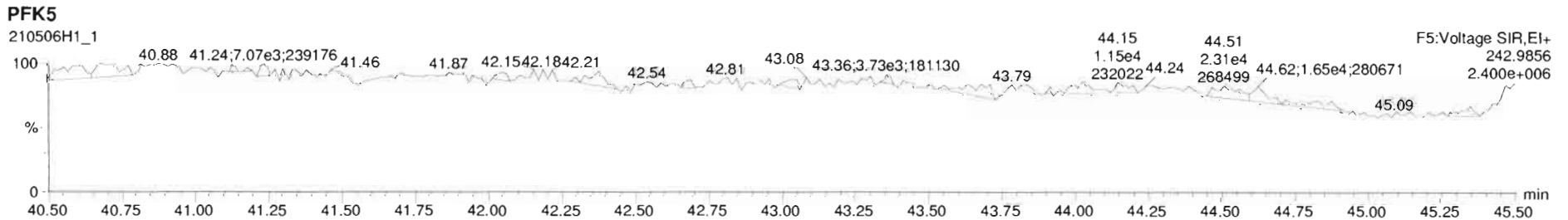
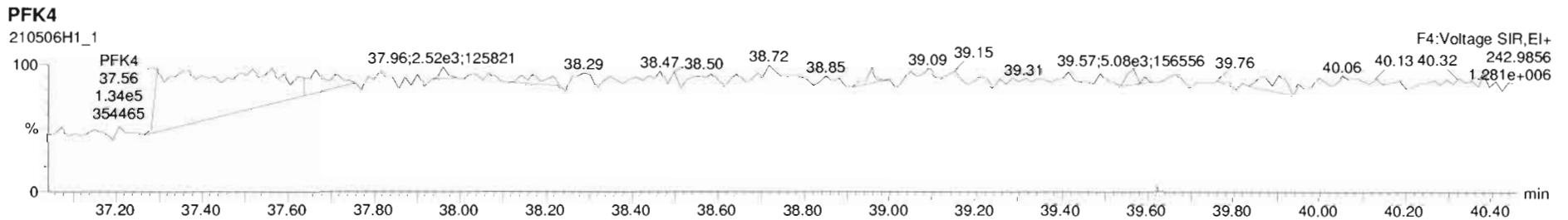
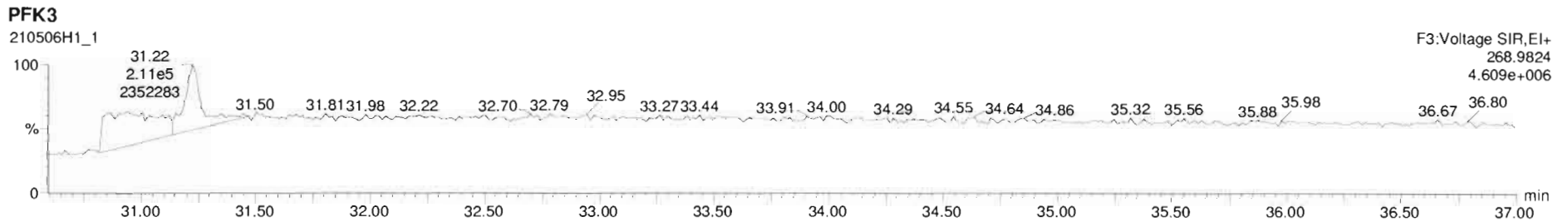
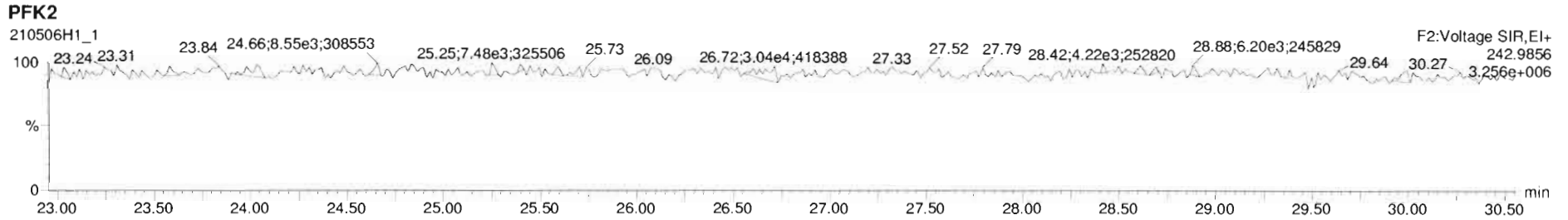
210506H1\_1



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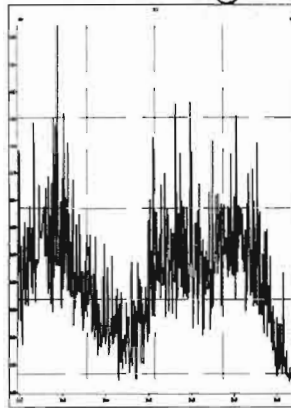
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Printed: Thursday, May 06, 2021 3:24:26 PM Pacific Daylight Time

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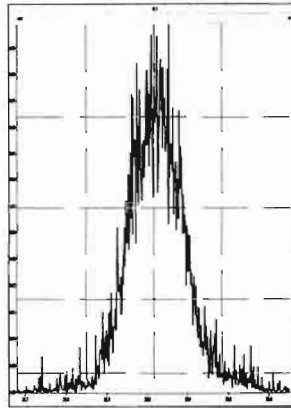


*Ⓟ Column bleed*

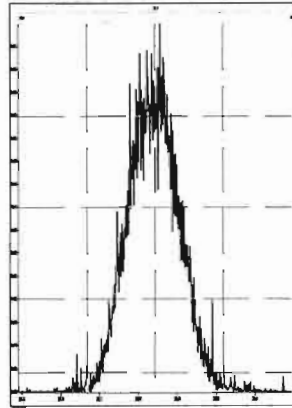
M 254.9856 R 0 *Ⓟ*



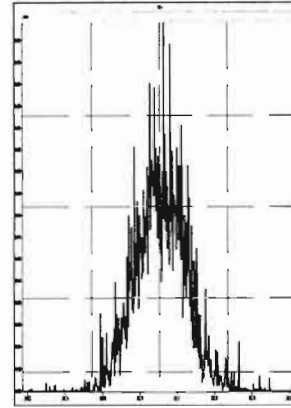
M 268.9824 R 9212



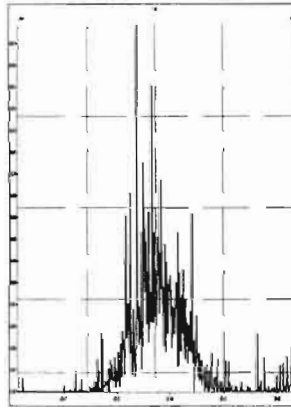
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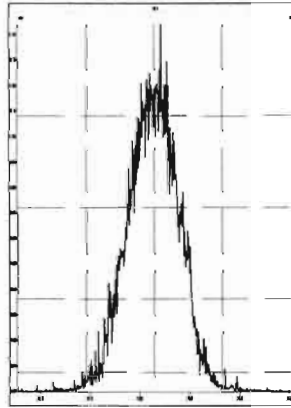
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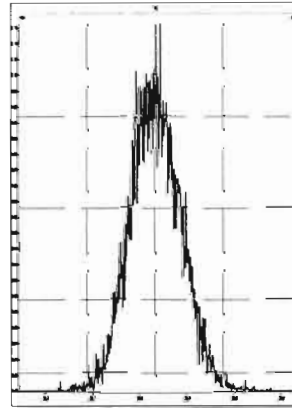
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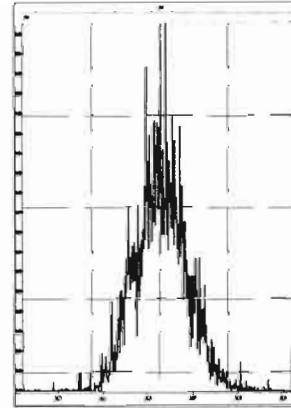
M 218.9856 R 9789



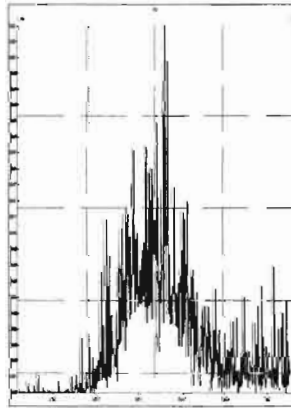
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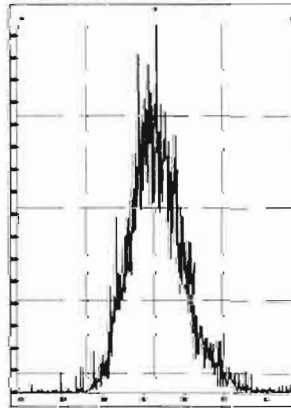
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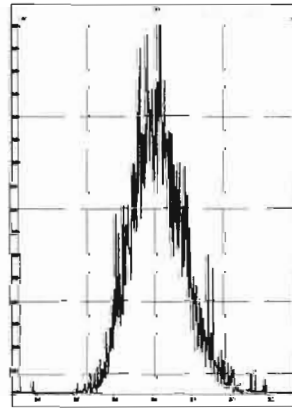
M 254.9856 R 10530



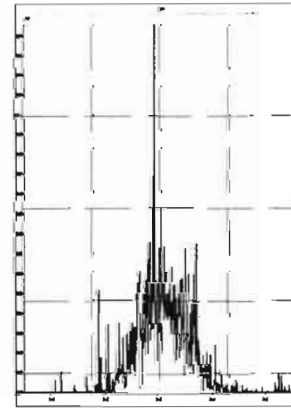
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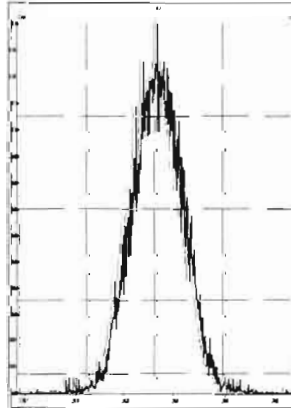
M 280.9824 R 9478



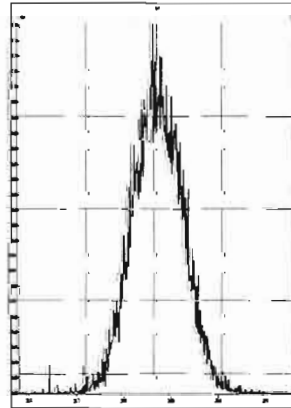
M 204.9888 R 15257



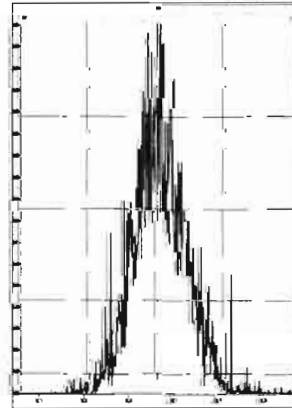
M 218.9856 R 10284



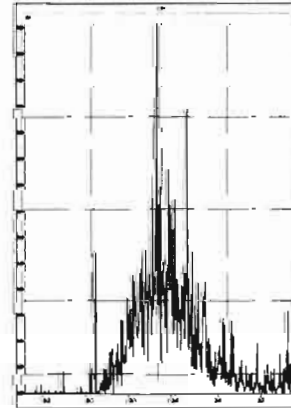
M 230.9856 R 9952



M 242.9856 R 11236

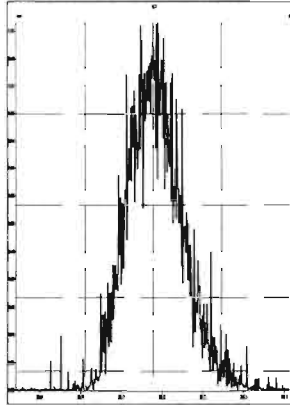


M 254.9856 R 9314

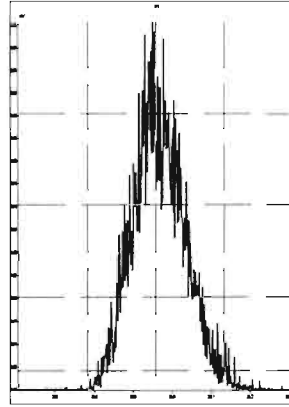


Printed: Thursday, May 06, 2021 16:17:41 Pacific Daylight Time

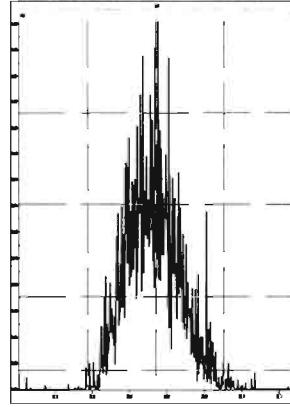
M 268.9824 R 9552



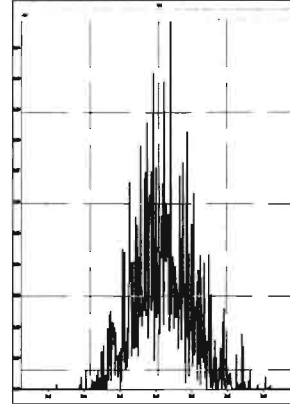
M 280.9824 R 9196



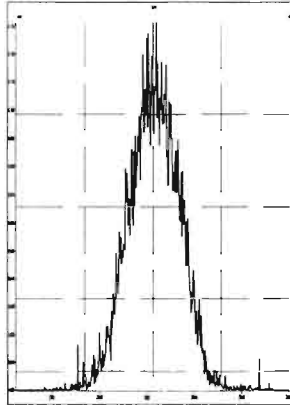
M 292.9824 R 11299



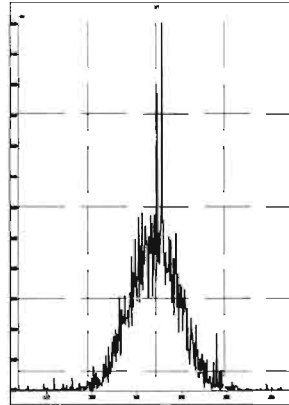
M 304.9824 R 14609



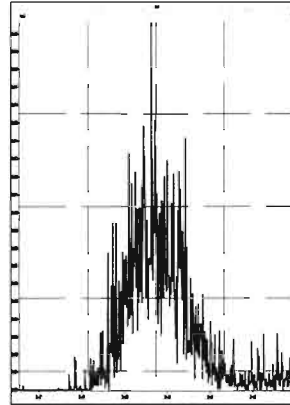
M 230.9856 R 10028



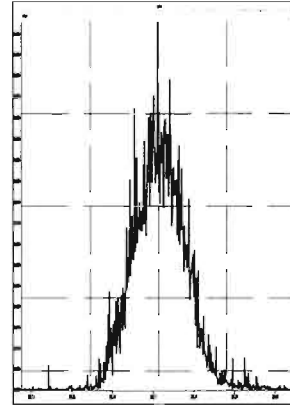
M 242.9856 R 10673



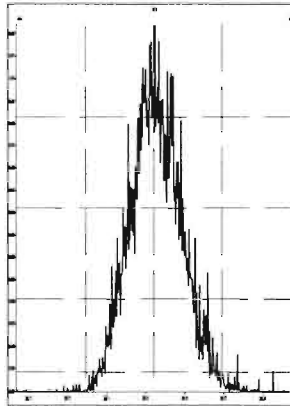
M 254.9856 R 10582



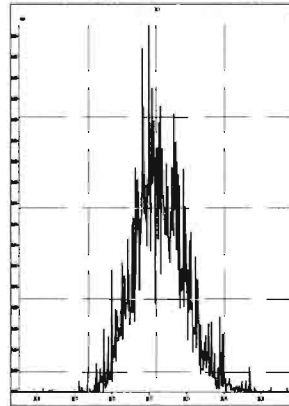
M 268.9824 R 9710



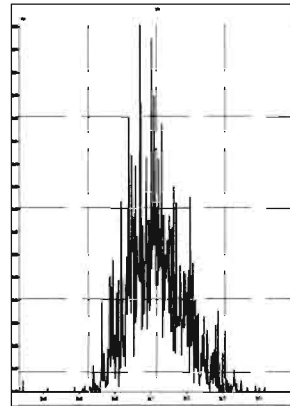
M 280.9824 R 10024



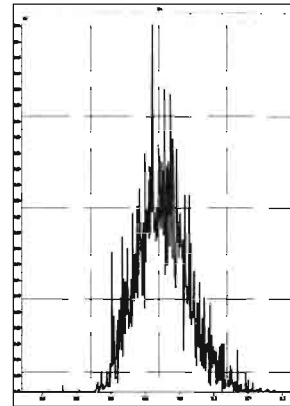
M 292.9824 R 10638



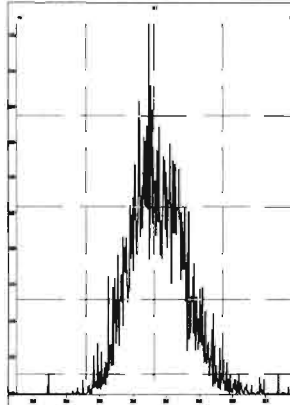
M 304.9824 R 16390



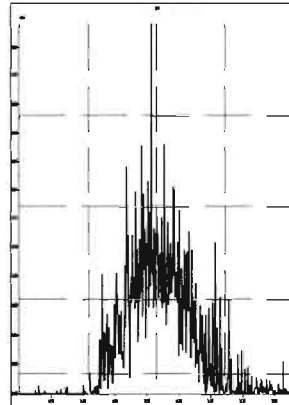
M 318.9792 R 11343



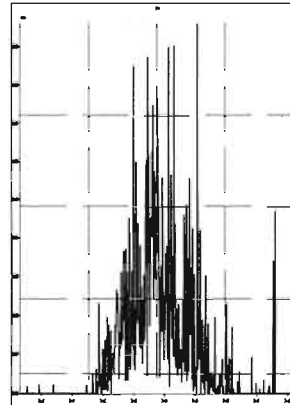
M 330.9792 R 10809



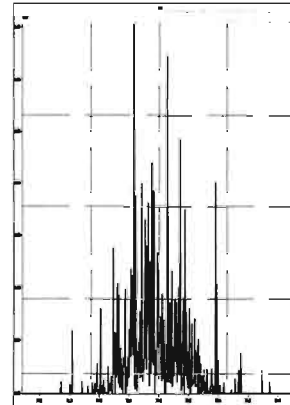
M 342.9792 R 11938



M 354.9792 R 15287

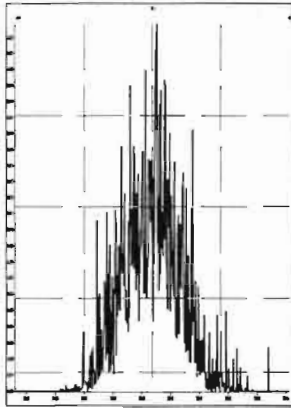


M 366.9792 R 10098

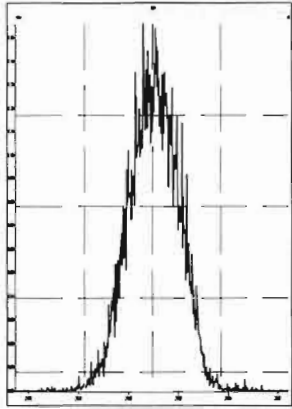


Printed: Thursday, May 06, 2021 16:17:41 Pacific Daylight Time

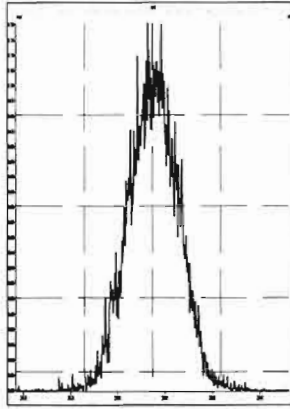
M 380.9760 R 10179



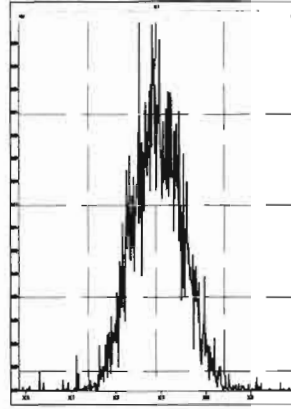
M 218.9856 R 10230



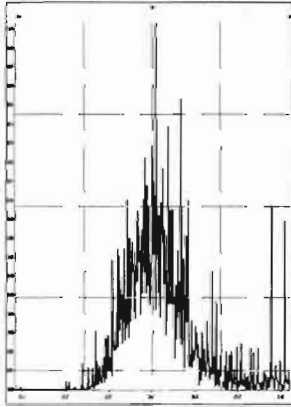
M 230.9856 R 10426



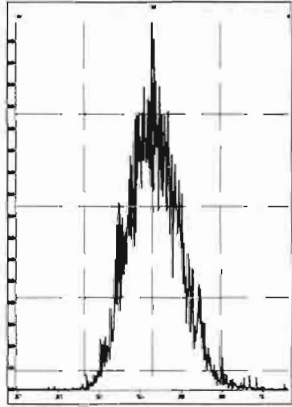
M 242.9856 R 10640



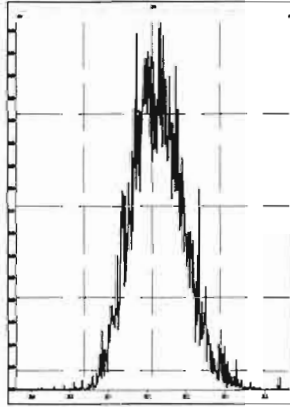
M 254.9856 R 9860



M 268.9824 R 9732



M 280.9824 R 9594



**HRMS CALIBRATION STANDARDS REVIEW CHECKLIST**

**Beg. Calibration ID:** ST210416H2-1

**Reviewed By:** HZ 4.21.2021  
*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"/>
<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>DF</u>	<u>DF</u>
<b><u>Run Log:</u></b>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Samples within 12 hour clock?	<u>(Y)</u>	<u>N</u>
- Bottle position verified?	<u>DF</u>	<u>DF</u>

**Mass resolution  $\geq$**   
 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:**  
(A) Column bleed on one mess



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_1.qld

Last Altered: Tuesday, April 20, 2021 15:14:32 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:15:16 Pacific Daylight Time

DF04/20/21  
Hc 4.21.2021

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210416H2\_1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	3.65e6	3.57e6	1.25	NO	0.984	1.000	22.69	1.001	1.000	NO	51.985	104	0.0007...	52.0
2	3 Alpha-BHC	8.91e5	1.02e6	2.11	NO	0.827	1.000	23.24	1.001	1.001	NO	53.008	106	0.0431	53.0
3	4 Lindane (gamma-...	6.57e5	7.45e5	2.15	NO	0.860	1.000	26.59	1.001	1.000	NO	51.317	103	0.0604	51.3
4	5 Beta-BHC	5.18e5	4.99e5	2.11	NO	0.998	1.000	28.61	1.001	1.001	NO	52.011	104	0.0673	52.0
5	6 Delta-BHC	6.52e5	6.79e5	2.12	NO	0.907	1.000	30.27	1.001	1.001	NO	52.928	106	0.0503	52.9
6	7 Heptachlor	4.20e5	3.75e5	1.24	NO	1.10	1.000	28.72	1.001	1.001	NO	50.881	102	0.0240	50.9
7	9 Aldrin	7.02e5	6.06e5	1.63	NO	1.09	1.000	30.83	1.001	1.001	NO	53.082	106	0.0274	53.1
8	10 Oxychlorane	2.17e5	1.96e5	1.60	NO	1.06	1.000	33.38	1.001	1.001	NO	52.132	104	0.0729	52.1
9	11 cis-Heptachlor Ep...	1.86e5	1.66e5	1.66	NO	1.08	1.000	34.17	1.001	1.001	NO	52.358	105	0.0811	52.4
10	12 trans-Heptachlor E...	4.98e4	1.66e5	1.54	NO	0.291	1.000	34.65	1.015	1.016	NO	51.741	103	0.300	51.7
11	13 trans-Chlordane (g...	1.37e5	1.11e5	1.66	NO	1.14	1.000	35.06	1.000	1.001	NO	54.074	108	0.111	54.1
12	14 trans-Nonachlor	1.42e5	1.23e5	1.57	NO	1.06	1.000	35.25	1.001	1.000	NO	54.646	109	0.102	54.6
13	15 cis-Chlordane	1.65e5	1.23e5	1.57	NO	1.16	1.000	35.73	1.015	1.016	NO	57.623	115	0.0925	57.6
14	16 Endosulfan I (alpha)	1.12e5	9.17e4	1.65	NO	1.23	1.000	35.85	1.001	1.001	NO	49.534	99.1	0.117	49.5
15	18 2,4'-DDE	3.80e6	3.45e6	1.54	NO	1.02	1.000	35.70	1.000	1.000	NO	53.723	107	0.0280	53.7
16	19 4,4'-DDE	2.77e6	2.50e6	1.54	NO	1.04	1.000	36.77	1.000	1.000	NO	53.394	107	0.0369	53.4
17	20 Dieldrin	3.94e5	3.61e5	1.62	NO	1.03	1.000	37.28	1.000	1.001	NO	53.018	106	0.0491	53.0
18	21 Endrin	2.80e5	2.72e5	1.58	NO	1.01	1.000	38.69	1.001	1.001	NO	51.097	102	0.0642	51.1
19	22 cis-Nonachlor	2.08e5	1.93e5	1.57	NO	1.00	1.000	38.96	1.000	1.000	NO	53.764	108	0.0876	53.8
20	23 Endosulfan II (beta)	6.47e4	6.54e4	1.57	NO	1.07	1.000	39.68	1.000	1.000	NO	46.276	92.6	0.247	46.3
21	24 2,4'-DDD	3.16e6	2.92e6	1.57	NO	1.07	1.000	37.90	1.000	1.000	NO	50.650	101	0.0599	50.6
22	25 2,4'-DDT	1.77e6	1.70e6	1.53	NO	1.05	1.000	39.03	1.000	1.000	NO	49.829	99.7	0.119	49.8
23	26 4,4'-DDD	2.89e6	2.48e6	1.55	NO	1.16	1.000	39.15	1.000	1.000	NO	49.994	100	0.0614	50.0
24	27 4,4'-DDT	1.47e6	1.26e6	1.57	NO	1.13	1.000	40.22	1.000	1.001	NO	51.586	103	0.125	51.6
25	28 Endosulfan Sulfate	8.36e4	8.13e4	1.58	NO	1.04	1.000	41.41	1.000	1.000	NO	49.589	99.2	0.268	49.6
26	29 4,4'-Methoxychlor	1.83e6	1.49e7	4.33	NO	1.22	1.000	43.25	1.000	1.000	NO	50.523	101	0.0704	50.5
27	30 Mirex	9.93e5	9.12e5	1.55	NO	1.03	1.000	43.87	1.000	1.001	NO	52.700	105	0.0324	52.7
28	31 Endrin Aldehyde	1.04e5	1.02e6	0.62	NO	1.03	1.000	40.81	1.000	1.000	NO	49.206	98.4	0.302	49.2
29	32 Endrin Ketone	1.00e5	1.09e6	0.60	NO	0.926	1.000	44.01	1.001	1.000	NO	49.915	99.8	0.361	49.9
30	34 13C6-Hexachlorob...	3.57e6	4.08e6	1.27	NO	0.867	1.000	22.68	0.870	0.871	NO	50.424	101.50	0.00149	
31	35 13C6-Alpha-BHC	1.02e6	4.08e6	0.79	NO	0.258	1.000	23.21	0.891	0.891	NO	48.176	96.4	0.0669	

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Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_1.qld

Last Altered: Tuesday, April 20, 2021 15:14:32 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:15:16 Pacific Daylight Time

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (ga...	7.45e5	4.08e6	0.78	NO	0.194	1.000	26.55	1.019	1.019	NO	47.093	94.2	0.0892	
33	37 13C6-Beta-BHC	4.99e5	4.08e6	0.78	NO	0.144	1.000	28.58	1.097	1.097	NO	42.513	85.0	0.120	
34	38 13C6-Delta-BHC	6.79e5	4.08e6	0.79	NO	0.168	1.000	30.25	1.161	1.160	NO	49.479	99.0	0.103	
35	39 13C10-Heptachlor	3.75e5	4.08e6	1.34	NO	0.148	1.000	28.71	1.102	1.102	NO	30.960	61.9	0.0173	
36	40 13C12-Aldrin	6.06e5	4.08e6	1.55	NO	0.154	1.000	30.79	1.182	1.181	NO	48.128	96.3	0.0464	
37	41 13C10-Oxychlorda...	1.96e5	4.08e6	1.58	NO	0.0404	1.000	33.35	1.280	1.280	NO	59.292	119	0.177	
38	42 13C10-cis-Heptac...	1.66e5	4.08e6	1.58	NO	0.0493	1.000	34.14	1.310	1.310	NO	41.104	82.2	0.145	
39	43 13C10-trans-Chlor...	1.11e5	4.08e6	1.66	NO	0.0358	1.000	35.05	1.345	1.344	NO	38.048	76.1	0.200	
40	44 13C10-trans-Nona...	1.23e5	2.08e6	1.62	NO	0.0638	1.000	35.22	0.982	0.983	NO	46.139	92.3	0.120	
41	45 13C9-Endosulfan I...	9.17e4	2.08e6	1.54	NO	0.0431	1.000	35.82	0.999	1.000	NO	51.041	102	0.178	
42	46 13C12-2,4'-DDE	3.45e6	2.08e6	1.59	NO	1.43	1.000	35.69	0.996	0.995	NO	57.712	115	0.0258	
43	47 13C12-4,4'-DDE	2.50e6	2.08e6	1.60	NO	0.995	1.000	36.75	1.025	1.026	NO	60.287	121	0.0372	
44	48 13C12-Dieldrin	3.61e5	2.08e6	1.55	NO	0.146	1.000	37.26	1.039	1.040	NO	59.137	118	0.0933	
45	49 13C12-Endrin	2.72e5	2.08e6	1.58	NO	0.111	1.000	38.66	1.078	1.079	NO	58.961	118	0.123	
46	50 13C10-cis-Nonach...	1.93e5	2.08e6	1.53	NO	0.0791	1.000	38.94	1.086	1.087	NO	58.593	117	0.173	
47	51 13C9-Endosulfan II	6.54e4	2.08e6	1.44	NO	0.0267	1.000	39.67	1.107	1.107	NO	58.676	117	0.511	
48	52 13C12-2,4'-DDD	2.92e6	2.08e6	1.58	NO	1.35	1.000	37.89	1.057	1.057	NO	51.810	104	0.0741	
49	53 13C12-2,4'-DDT	1.70e6	2.08e6	1.84	NO	0.962	1.000	39.02	1.088	1.089	NO	42.306	84.6	0.104	
50	54 13C12-4,4'-DDD	2.48e6	2.08e6	1.57	NO	1.12	1.000	39.13	1.092	1.092	NO	52.959	106	0.0892	
51	55 13C12-4,4'-DDT	1.26e6	2.08e6	1.59	NO	0.735	1.000	40.20	1.121	1.122	NO	41.067	82.1	0.136	
52	56 13C9-Endosulfan ...	8.13e4	2.08e6	1.67	NO	0.0346	1.000	41.40	1.155	1.156	NO	56.419	113	0.532	
53	57 13C12-Methoxychlor	1.49e7	2.08e6	8.94	NO	0.720	1.000	43.24	1.206	1.207	NO	495.35	99.1	0.174	
54	58 13C10-Mirex	9.12e5	2.08e6	1.59	NO	0.328	1.000	43.85	1.223	1.228	NO	66.642	133	0.0530	
55	59 13C12-Endrin Alde...	1.02e6	2.08e6	0.48	NO	0.0336	1.000	40.80	1.138	1.139	NO	731.64	146	1.50	
56	60 13C12-Endrin Ket...	1.09e6	2.08e6	0.46	NO	0.0398	1.000	43.98	1.227	1.227	NO	654.30	131	1.27	
57	62 13C-PCB-15	4.08e6	4.08e6	1.56	NO	1.00	1.000	26.06	1.000	1.000	NO	50.000	100	0.0105	

50-150



Dataset:        U:\vg10.PRO\Results\210416H2\210416H2\_1.qld

Last Altered:    Tuesday, April 20, 2021 15:14:32 Pacific Daylight Time

Printed:        Tuesday, April 20, 2021 15:15:24 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402, Task: ST210416H2\_1

	# Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	63 13C-PCB-60	2.08e6	2.08e6	0.81	NO	1.00	1.000	35.85	1.000	1.000	NO	50.000	100	0.0198	

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:18:30 Pacific Daylight Time

Printed: Tuesday, April 20, 2021 15:18:49 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

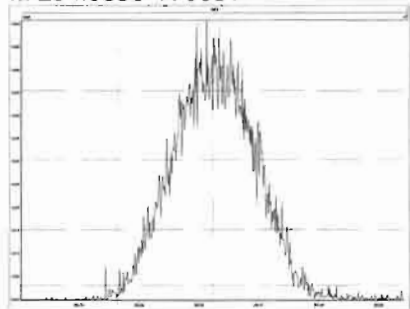
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210416H2_1	ST210416H2_1 1699 CS3 21C0402	16-Apr-21	10:42:41
2	210416H2_2	GC210416H2_1 GC BREAK	16-Apr-21	11:33:46
3	210416H2_3	SOLVENT BLANK	16-Apr-21	12:29:46
4	210416H2_4	B1D0038-BS3 OPR 1	16-Apr-21	13:17:16
5	210416H2_5	B1D0071-BS1 OPR 1	16-Apr-21	14:04:59
6	210416H2_6	SOLVENT BLANK	16-Apr-21	14:53:17
7	210416H2_7	B1D0071-BLK1 Method Blank 1	16-Apr-21	15:41:37
8	210416H2_8	2103219-02 USMPDI-068RAB-10-20-210311 ...	16-Apr-21	16:29:54
9	210416H2_9	B1D0071-DUP1 Duplicate 2.08	16-Apr-21	17:18:13
10	210416H2_10	2103219-03 USMPDI-068RAB-20-32.1-21031...	16-Apr-21	18:06:31
11	210416H2_11	2103219-06 USMPDI-069RAB-20-36.3-21031...	16-Apr-21	18:54:48
12	210416H2_12	2104002-03 USMPDI-073SS-210330 1.49	16-Apr-21	19:43:09
13	210416H2_13	2103219-01 USMPDI-068RAB-00-10-210311 ...	16-Apr-21	20:31:26
14	210416H2_14	2103219-04 USMPDI-069RAB-00-10-210312 ...	16-Apr-21	21:19:51
15	210416H2_15	2103219-05 USMPDI-069RAB-10-20-210312 ...	16-Apr-21	22:08:08

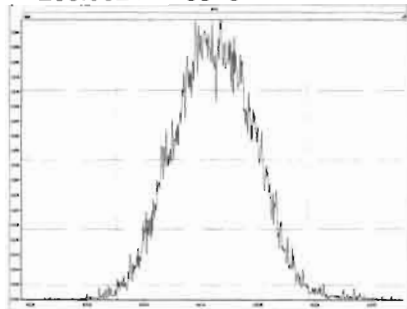
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Friday, April 16, 2021 10:36:52 Pacific Daylight Time

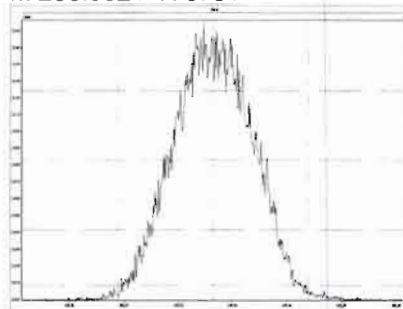
M 254.9856 R 9051



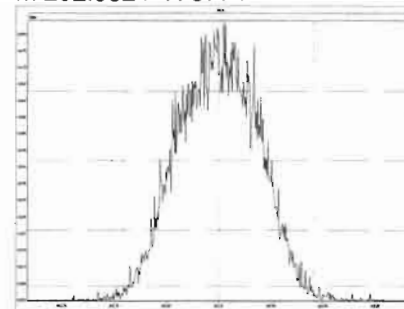
M 268.9824 R 8548



M 280.9824 R 8731



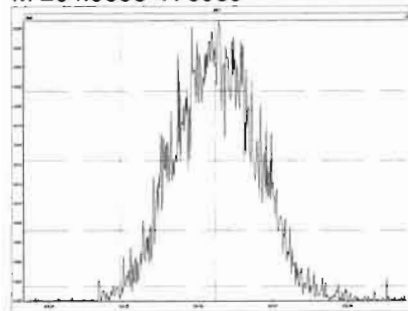
M 292.9824 R 8774



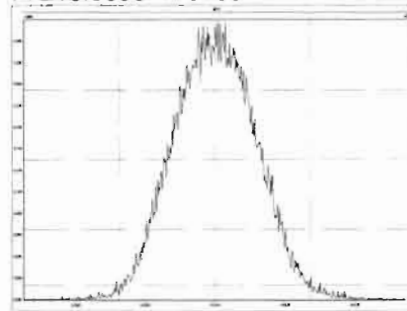
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Friday, April 16, 2021 10:37:22 Pacific Daylight Time

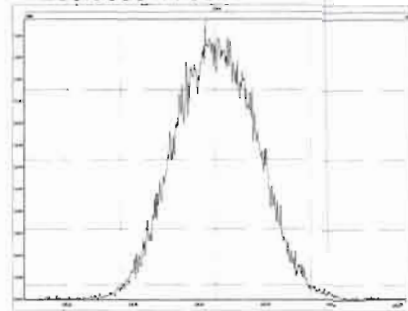
M 204.9888 R 8969



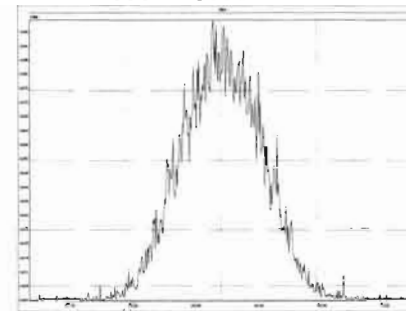
M 218.9856 R 8265



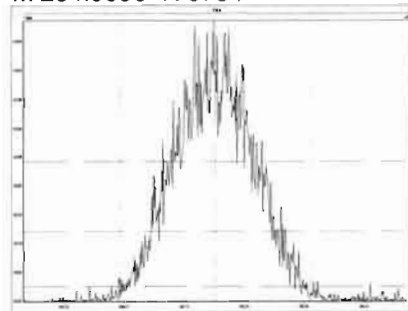
M 230.9856 R 8332



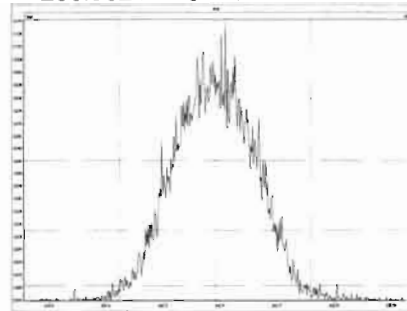
M 242.9856 R 8695



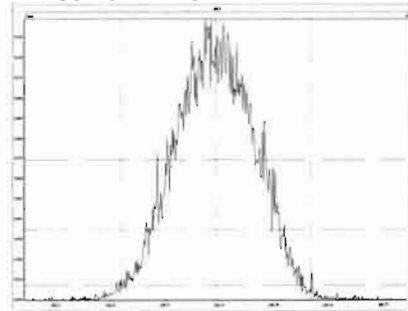
M 254.9856 R 8734



M 268.9824 R 8774



M 280.9824 R 8771





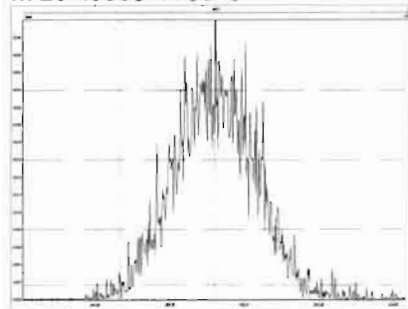
Experiment Calibration Report

MassLynx 4.1 SCN815

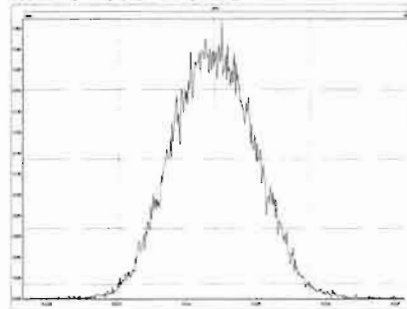
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Friday, April 16, 2021 10:38:08 Pacific Daylight Time

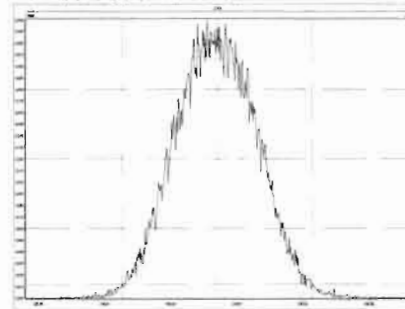
M 204.9888 R 8619



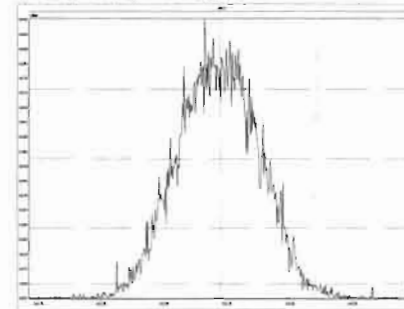
M 218.9856 R 8263



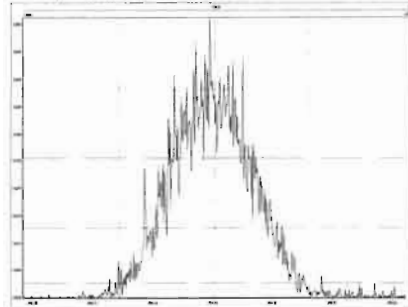
M 230.9856 R 8367



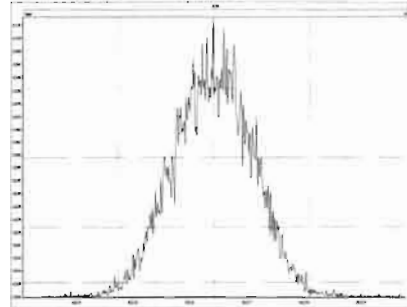
M 242.9856 R 8849



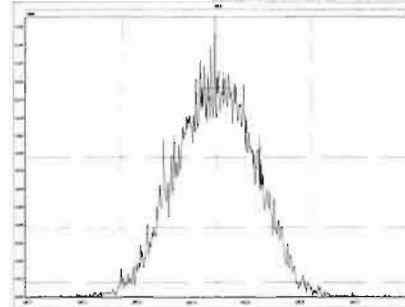
M 254.9856 R 9010



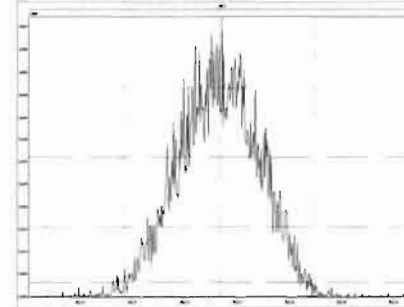
M 268.9824 R 9007



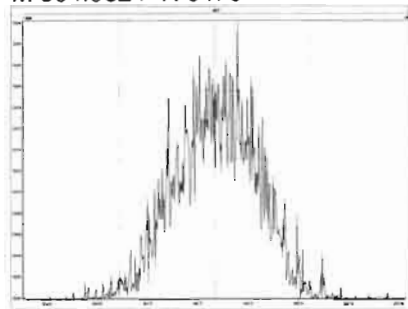
M 280.9824 R 8813



M 292.9824 R 8547



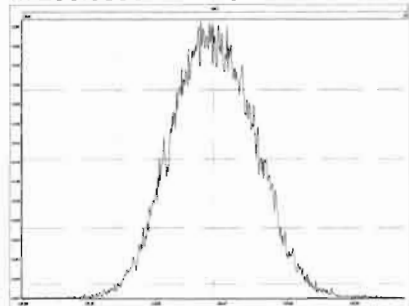
M 304.9824 R 9479



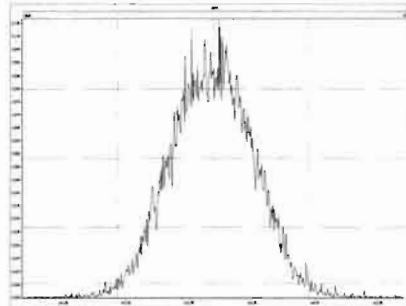
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Friday, April 16, 2021 10:39:23 Pacific Daylight Time

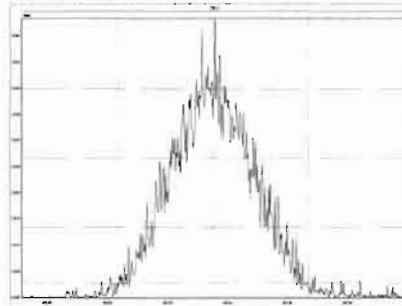
M 230.9856 R 8129



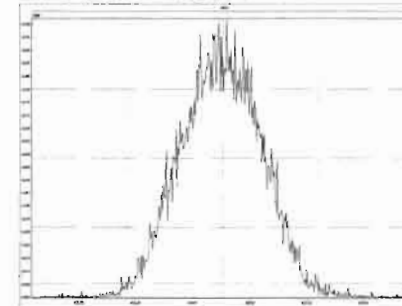
M 242.9856 R 8474



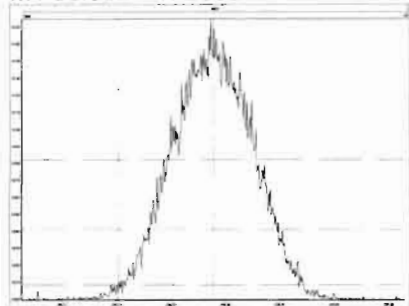
M 254.9856 R 9132



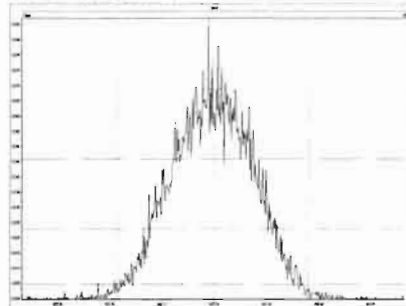
M 268.9824 R 8850



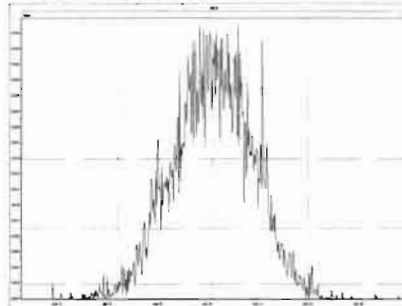
M 280.9824 R 8696



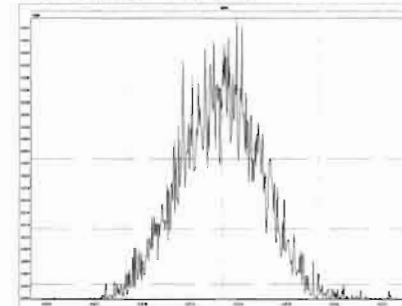
M 292.9824 R 8331



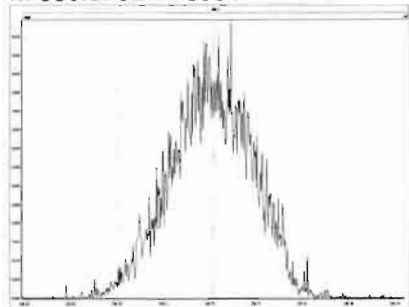
M 304.9824 R 8774



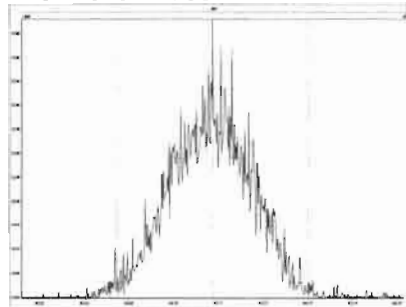
M 318.9792 R 9046



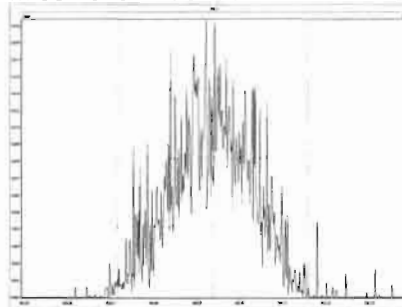
M 330.9792 R 8334



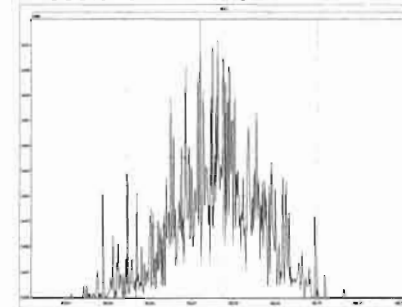
M 342.9792 R 9092



M 354.9792 R 9754



M 366.9792 R 13792

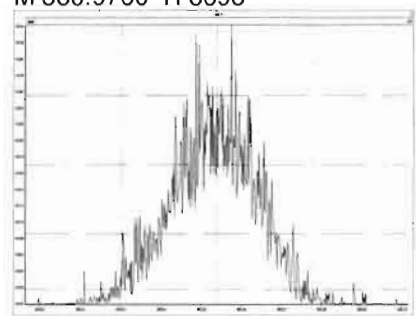




File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Friday, April 16, 2021 10:39:23 Pacific Daylight Time

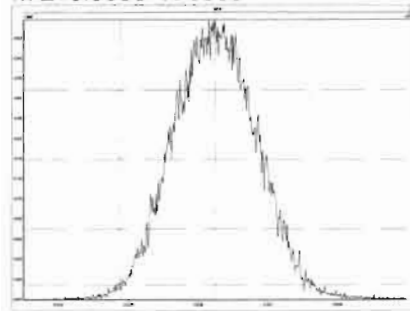
M 380.9760 R 8693



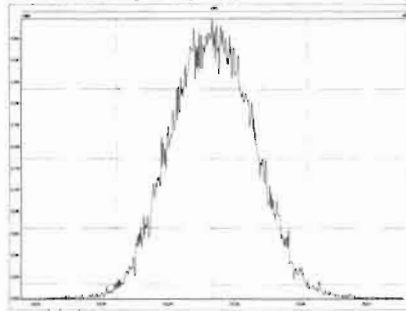
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Friday, April 16, 2021 10:40:01 Pacific Daylight Time

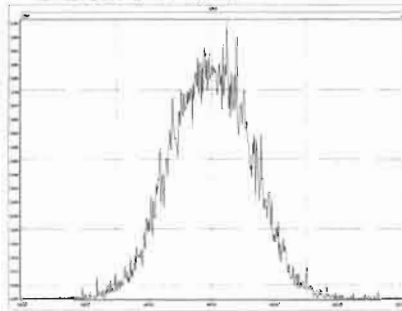
M 218.9856 R 8585



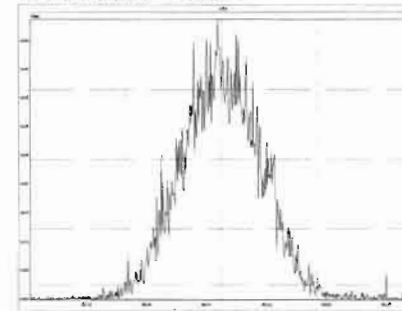
M 230.9856 R 8403



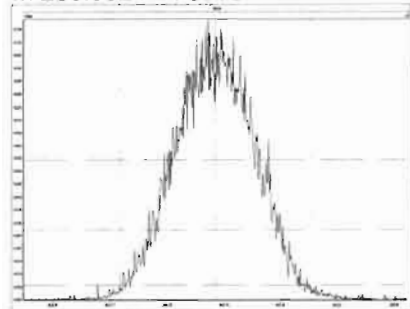
M 242.9856 R 8656



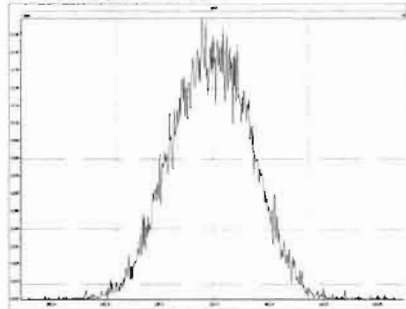
M 254.9856 R 8930



M 268.9824 R 8810



M 280.9824 R 8547



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_2.qld

Last Altered: Tuesday, April 20, 2021 15:21:33 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:22:23 Pacific Daylight Time

*DF 04/20/21*

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50  
Calibration: U:\vg10.PRO\CurveDB\1db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

*16 4.21.2021*

Name: 210416H2\_2, Date: 16-Apr-2021, Time: 11:33:46, ID: GC210416H2\_1 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	3.94e3	0.58	NO	40.81
2	2 Endrin Ketone	4.71e3	0.52	NO	43.99
3	3 Endrin	4.12e5	1.64	NO	38.67
4	4 4,4'-DDE	1.32e4	0.96	YES	36.77
5	5 4,4'-DDD	4.73e4	1.57	NO	39.15
6	6 4,4'-DDT	4.51e6	1.58	NO	40.22

*EA + EK*  
 $\frac{\quad}{\Sigma} \times 100\% = \frac{2.097}{2.10} \times 100\% = 99.86\%$

*DDT*  
 $\frac{DDE + DDD}{DDT} \times 100\% = \frac{13.4}{1.34} \times 100\% = 1000\%$

Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_2.qld

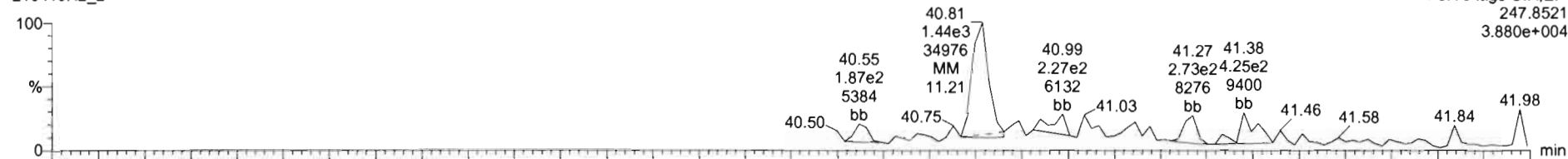
Last Altered: Tuesday, April 20, 2021 15:21:33 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:22:23 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

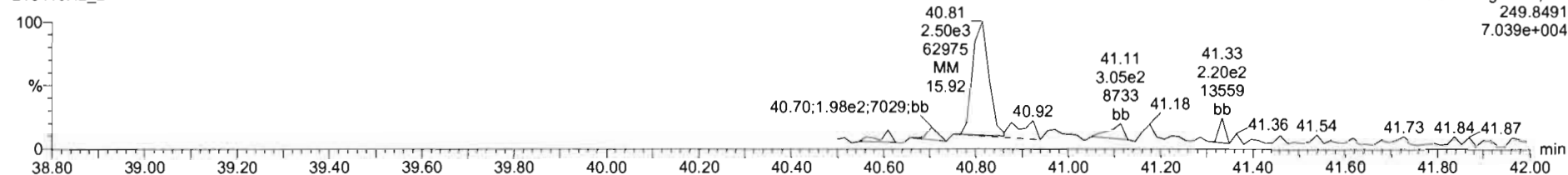
Name: 210416H2\_2, Date: 16-Apr-2021, Time: 11:33:46, ID: GC210416H2\_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde

210416H2\_2

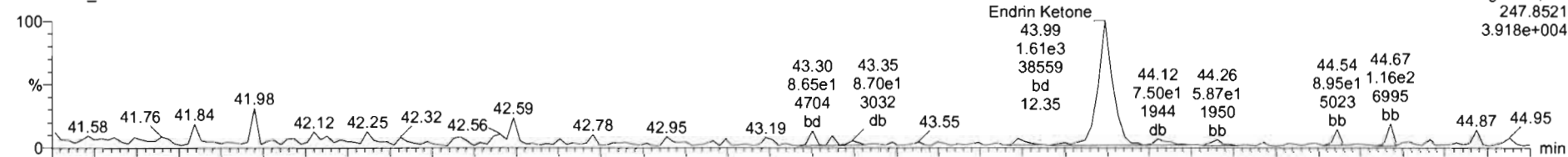


210416H2\_2

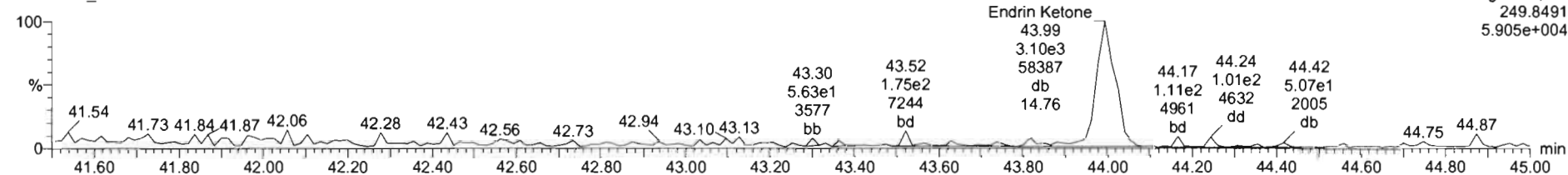


Endrin Ketone

210416H2\_2

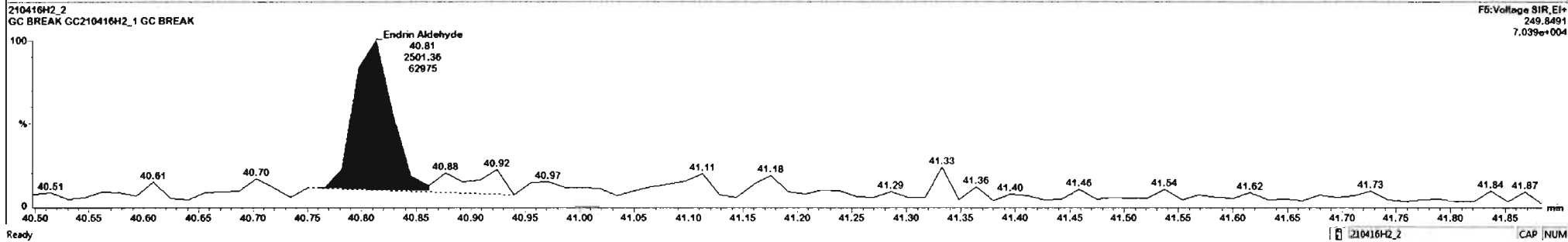
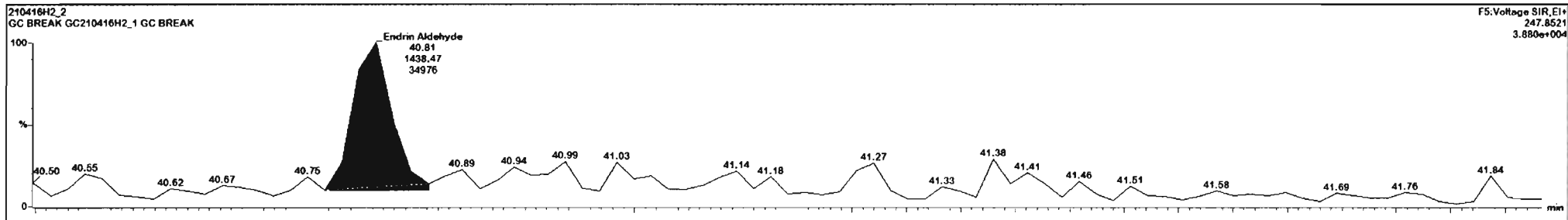


210416H2\_2



TargetLynx - 210416H2\_2 GC210416H2\_1 GC BREAK GC BREAK

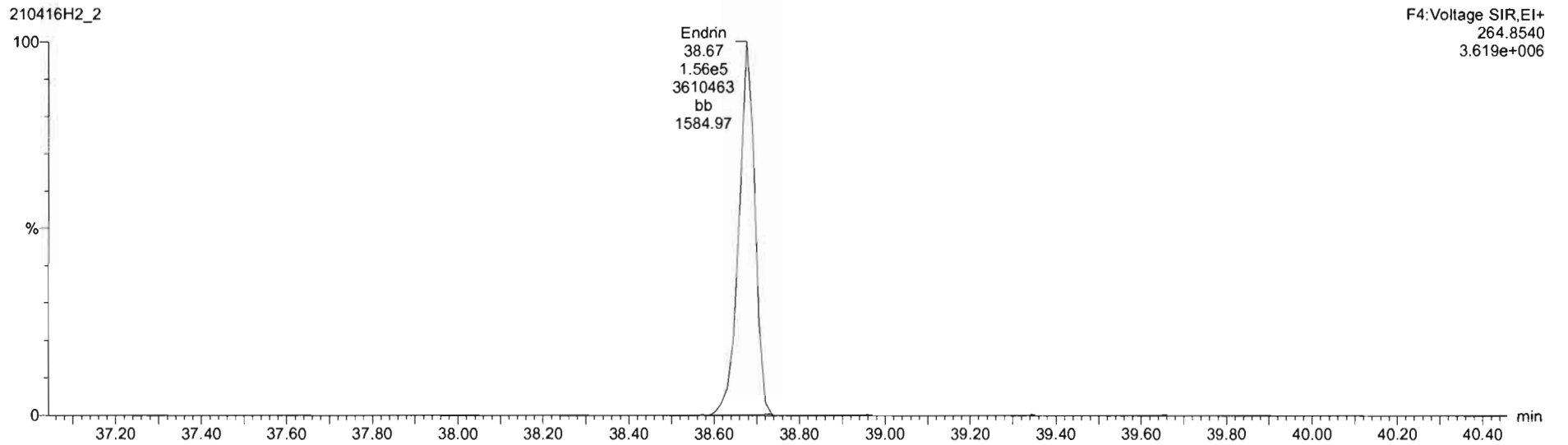
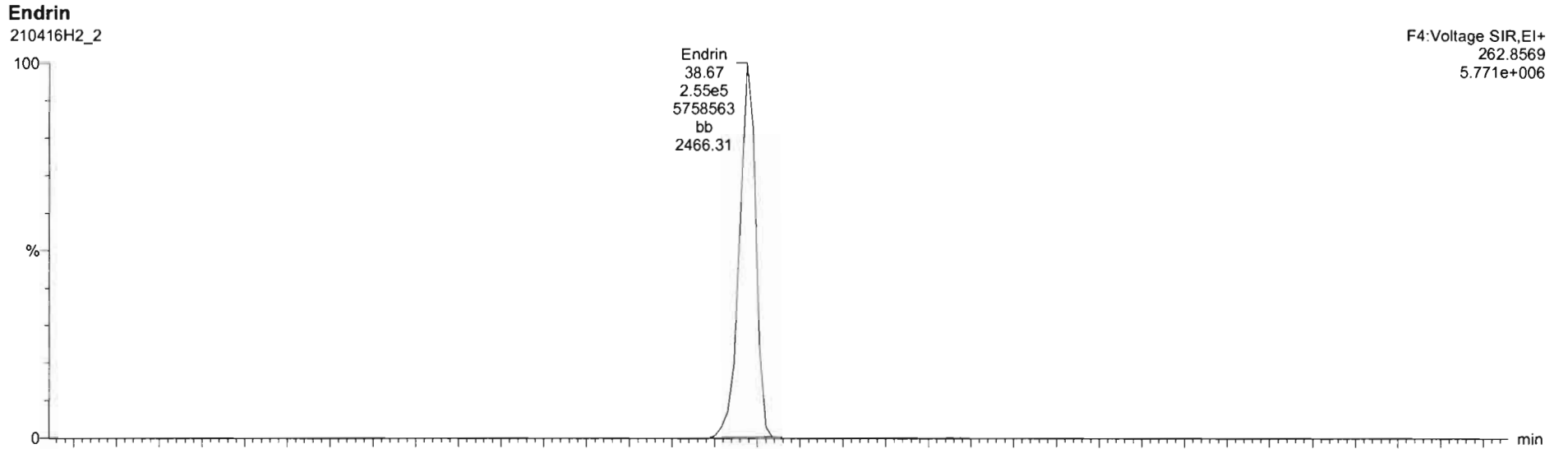
Name	Resp	RA	IVY	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1 Endrin Aldehyde	3.94e3	0.58	NO		1.000	40.81	0.000				
2 Endrin Ketone	4.71e3	0.52	NO		1.000	43.99	0.000				
3 Endrin	4.12e5	1.64	NO		1.000	38.67	0.000				
4 4'-DDE	1.32e4	0.96	YES		1.000	36.77	0.000				
5 4'-DDD	4.73e4	1.57	NO		1.000	39.15	0.000				
6 4'-DDT	4.51e6	1.58	NO		1.000	40.22	0.000				
7 PFK4					1.000						
8 PFK5											



Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_2.qld

Last Altered: Tuesday, April 20, 2021 15:21:33 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:22:23 Pacific Daylight Time

Name: 210416H2\_2, Date: 16-Apr-2021, Time: 11:33:46, ID: GC210416H2\_1 GC BREAK, Description: GC BREAK



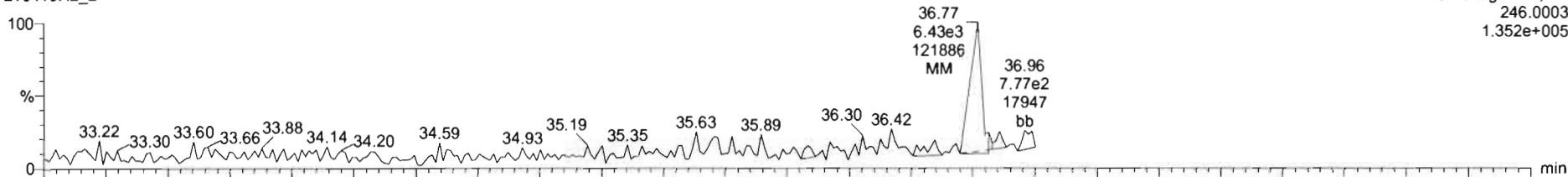
Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_2.qld

Last Altered: Tuesday, April 20, 2021 15:21:33 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:22:23 Pacific Daylight Time

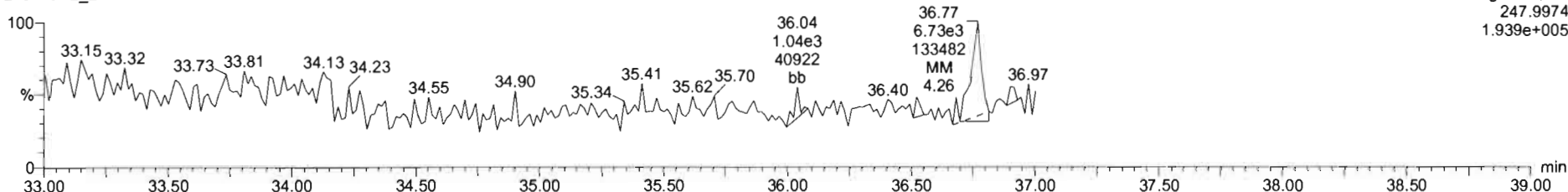
Name: 210416H2\_2, Date: 16-Apr-2021, Time: 11:33:46, ID: GC210416H2\_1 GC BREAK, Description: GC BREAK

4,4'-DDE

210416H2\_2

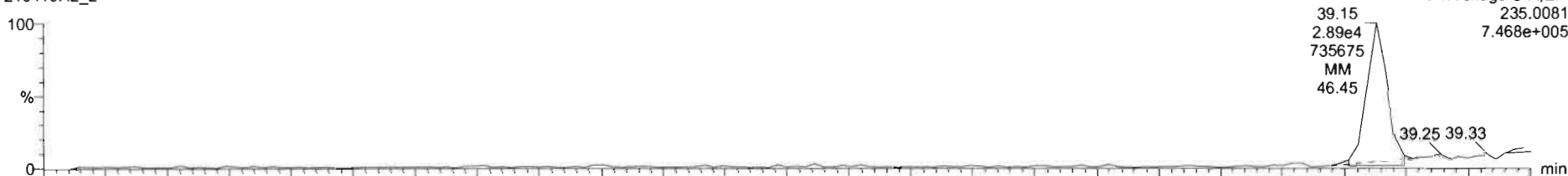


210416H2\_2

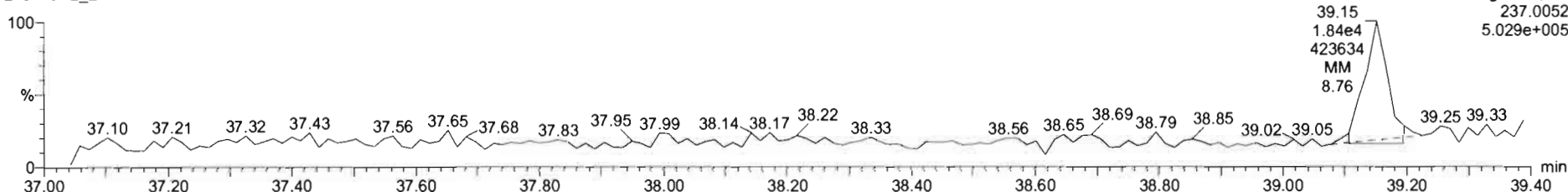


4,4'-DDD

210416H2\_2



210416H2\_2

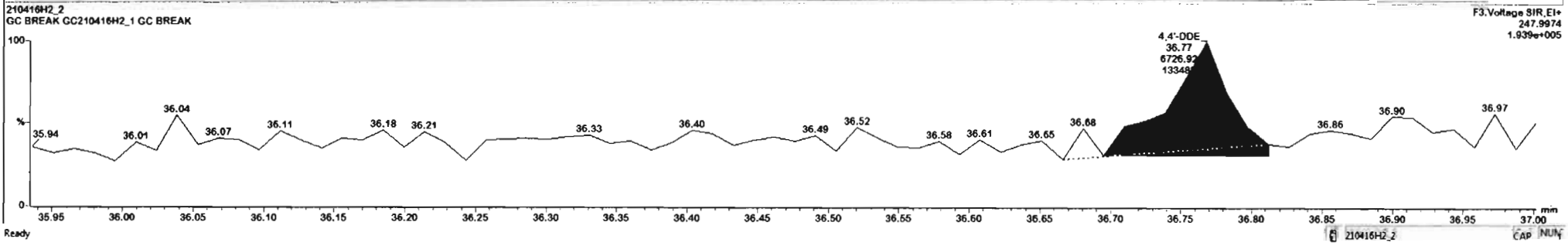
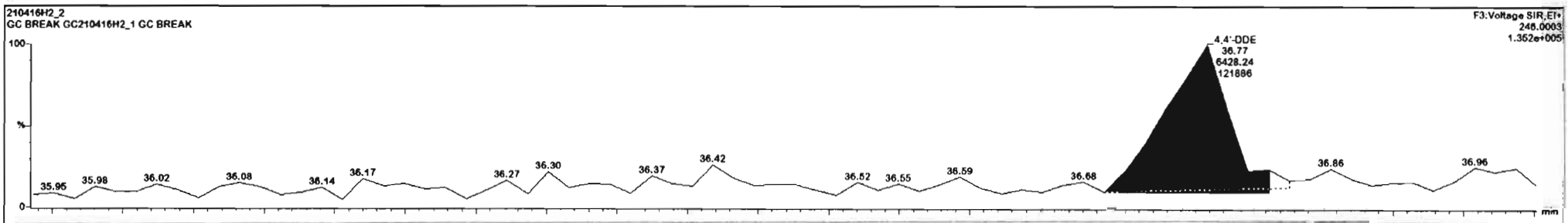


TargetLynx - 210416H2\_2.mxd - [Chromatogram]

File Edit View Display Processing Window Help

210416H2\_2 - GC210416H2\_1 GC BREAK GC BREAK

Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 Endrin Aldehyde	3.94e3	0.58	NO		1.000	40.81	0.000				
2 Endrin Ketone	4.71e3	0.52	NO		1.000	43.99	0.000				
3 Endrin	4.12e5	1.64	NO		1.000	38.67	0.000				
4 4,4'-DDE	1.32e4	0.68	YES		1.000	36.77	0.000				
5 4,4'-DDD	4.73e4	1.57	NO		1.000	39.15	0.000				
6 4,4'-DDT	4.51e6	1.58	NO		1.000	40.22	0.000				
7 PK4					1.000						
8 PK5											



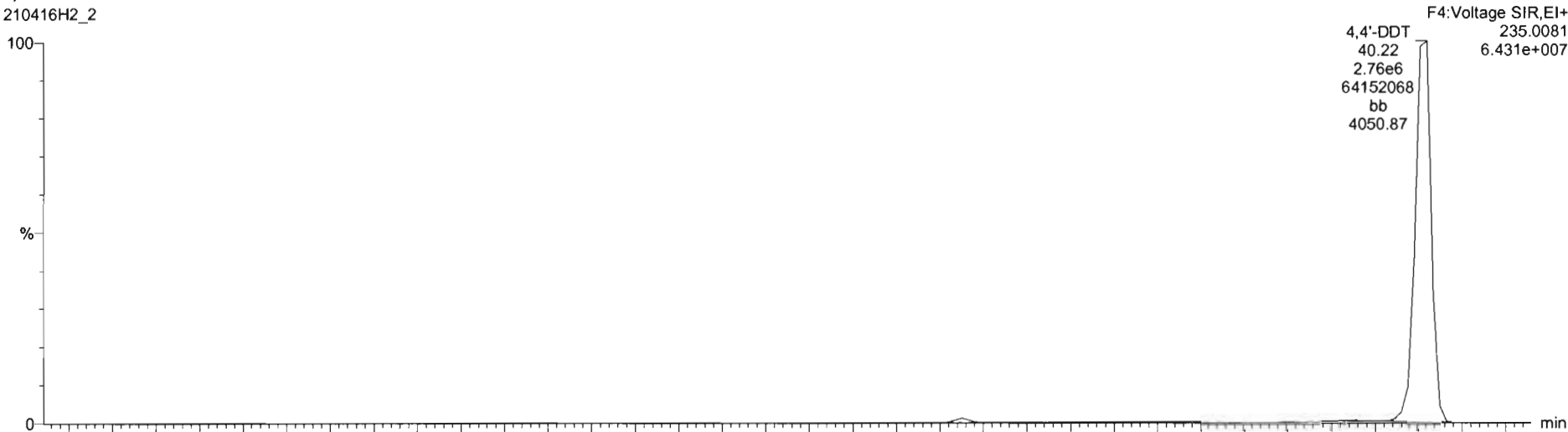


Dataset: U:\vg10.PRO\Results\210416H2\210416H2\_2.qld

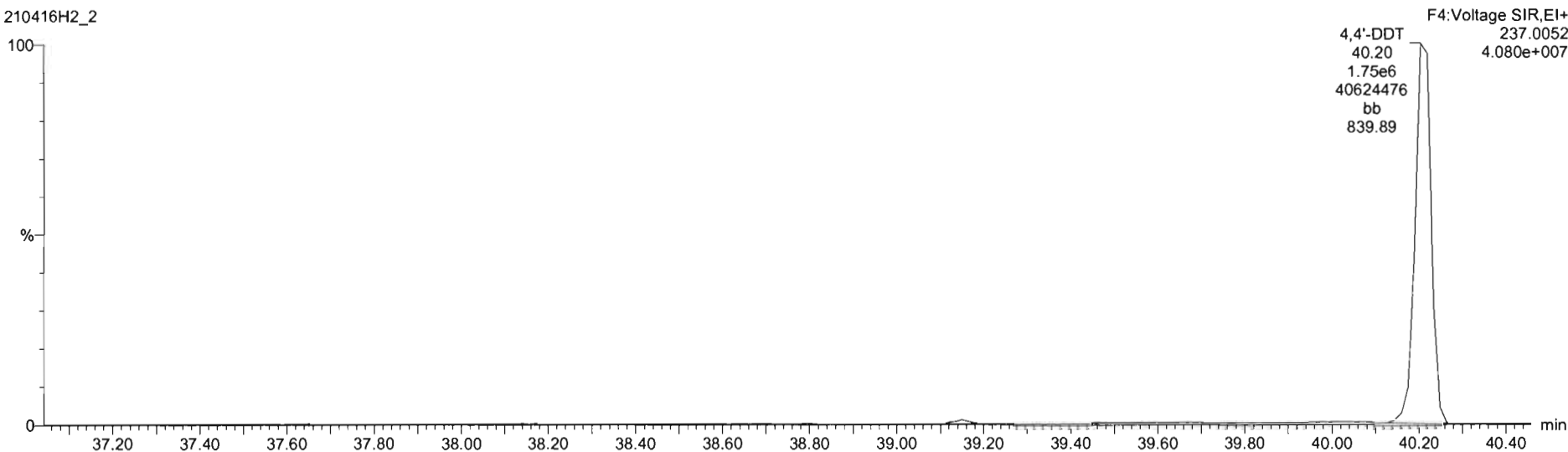
Last Altered: Tuesday, April 20, 2021 15:21:33 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:22:23 Pacific Daylight Time

Name: 210416H2\_2, Date: 16-Apr-2021, Time: 11:33:46, ID: GC210416H2\_1 GC BREAK, Description: GC BREAK

4,4'-DDT  
210416H2\_2



210416H2\_2

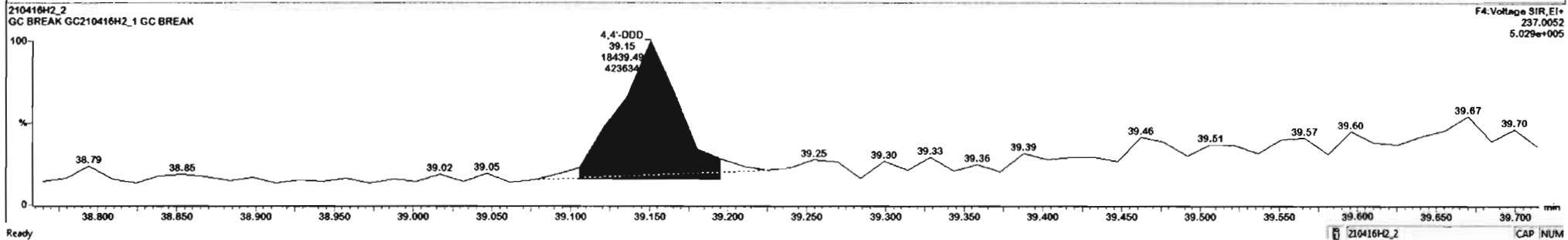
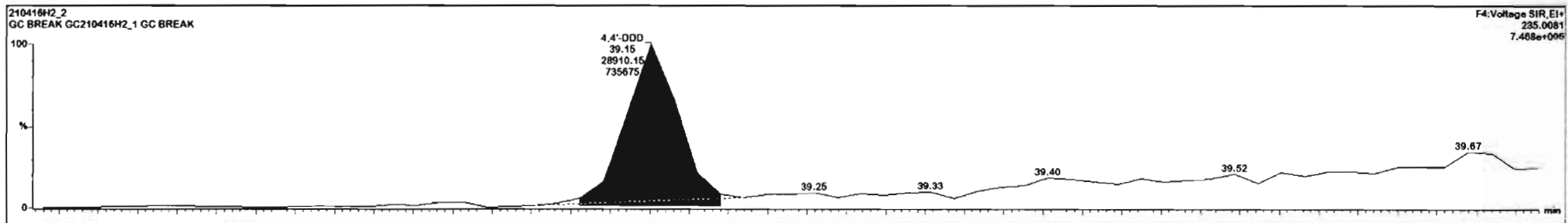


TargetLynx - 210416H2\_2 - Chromatogram

File Edit View Display Processing Window Help

210416H2\_2 GC210416H2\_1 GC BREAK GC BREAK

#	Name	Resp	RA	rt	RPF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde	3.94e3	0.58	NO		1.000	40.81	0.000				
2	Endrin Ketone	4.71e3	0.52	NO		1.000	43.99	0.000				
3	Endrin	4.12e5	1.64	NO		1.000	38.67	0.000				
4	4,4'-DDE	1.34e4	0.99	YES		1.000	36.77	0.000				
5	4,4'-DDD	4.73e4	1.57	NO		1.000	39.15	0.000				
6	4,4'-DDT	4.51e6	1.58	NO		1.000	40.22	0.000				
7	PFK4											
8	PFK5											



Dataset: Untitled

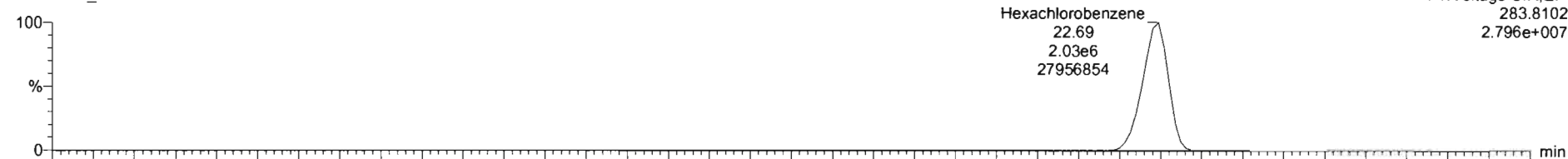
Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

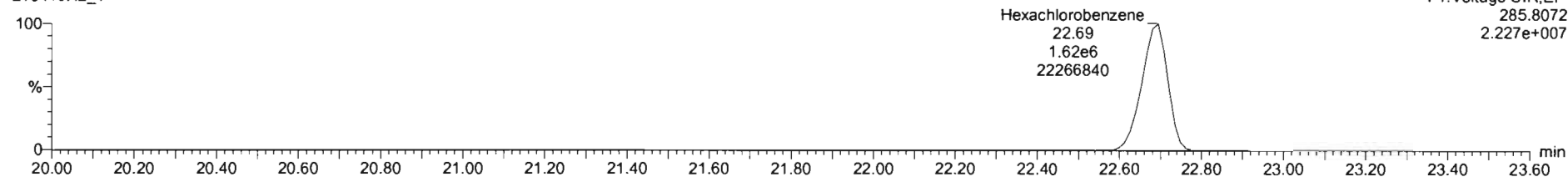
Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Hexachlorobenzene**

210416H2\_1

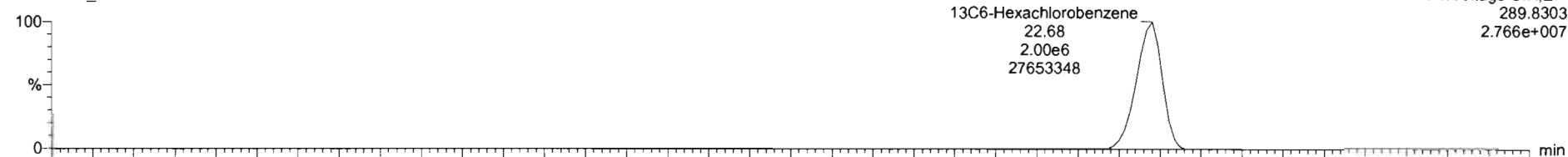


210416H2\_1

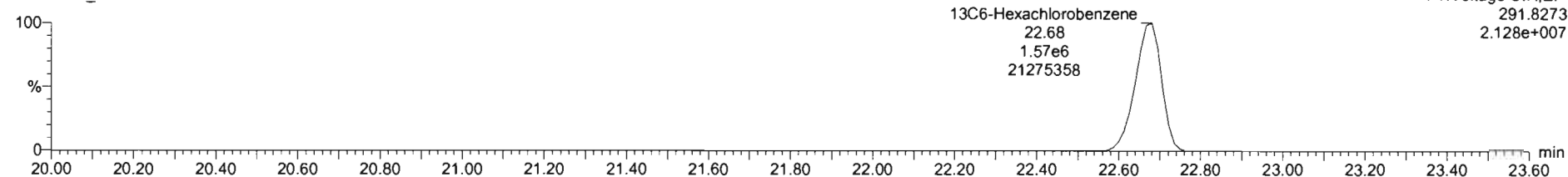


**13C6-Hexachlorobenzene**

210416H2\_1



210416H2\_1

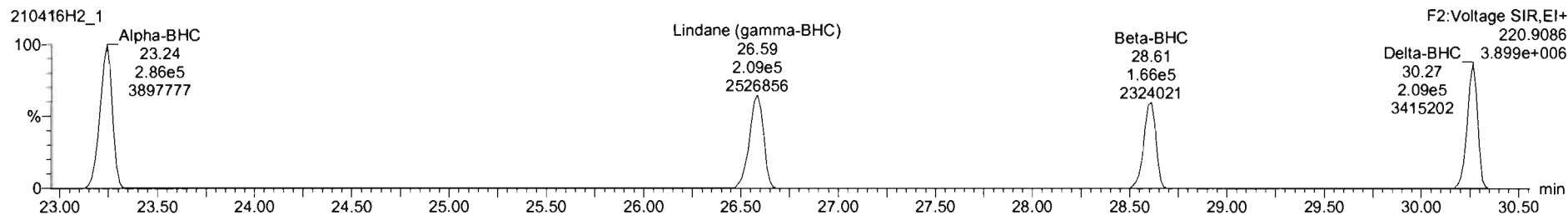
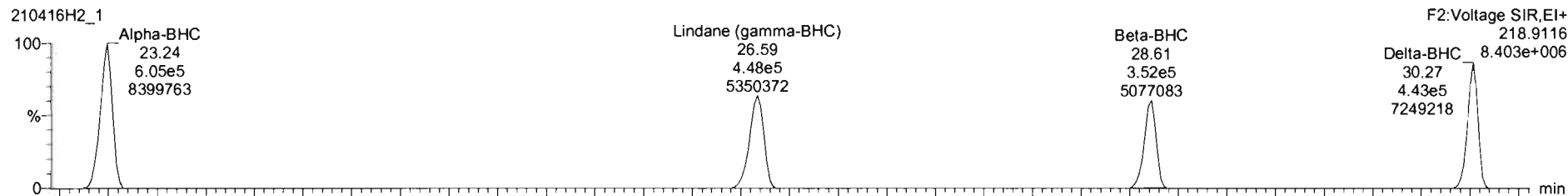


Dataset: Untitled

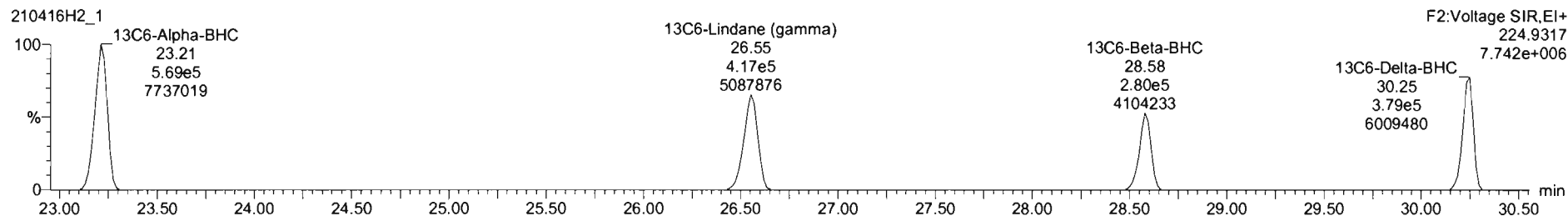
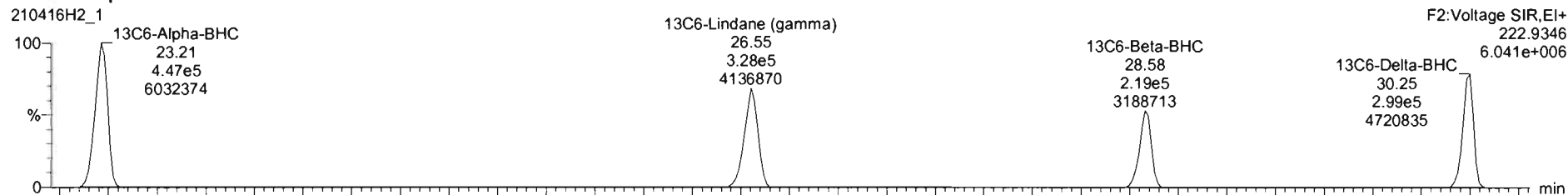
Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**BHC Totals**



**BHC-isotopes**



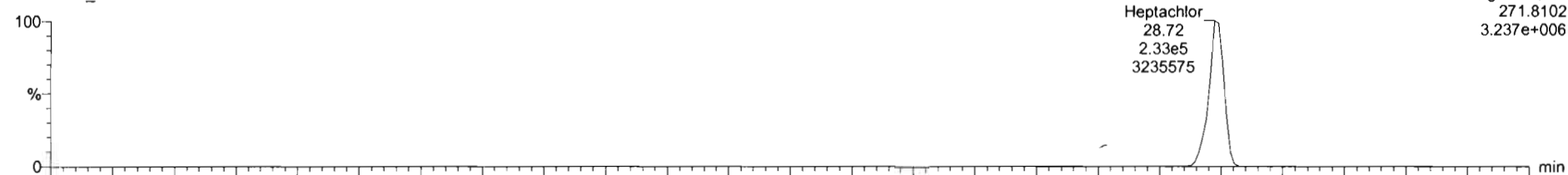
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Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

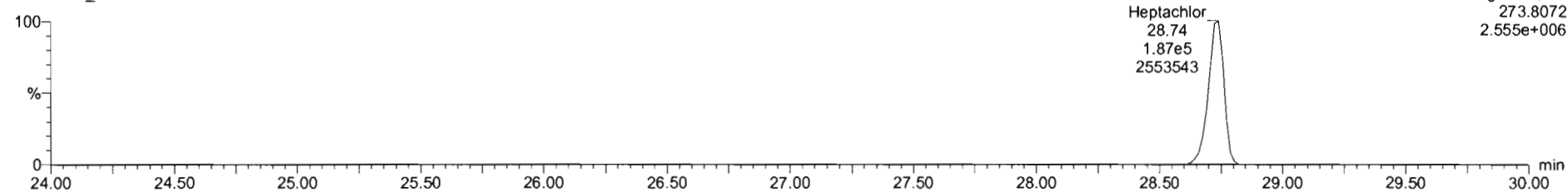
Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Heptachlor**

210416H2\_1

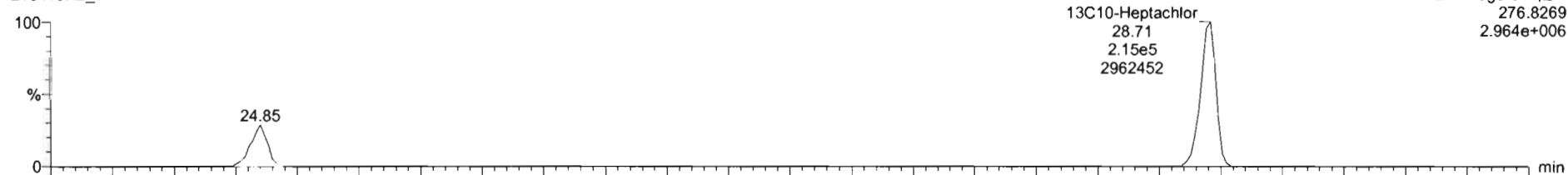


210416H2\_1

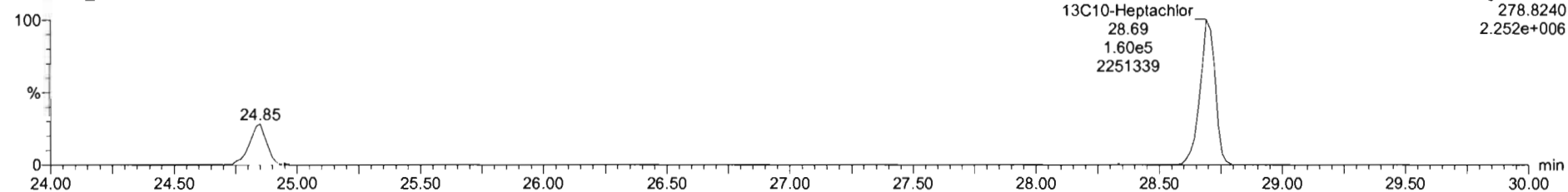


**13C10-Heptachlor**

210416H2\_1



210416H2\_1



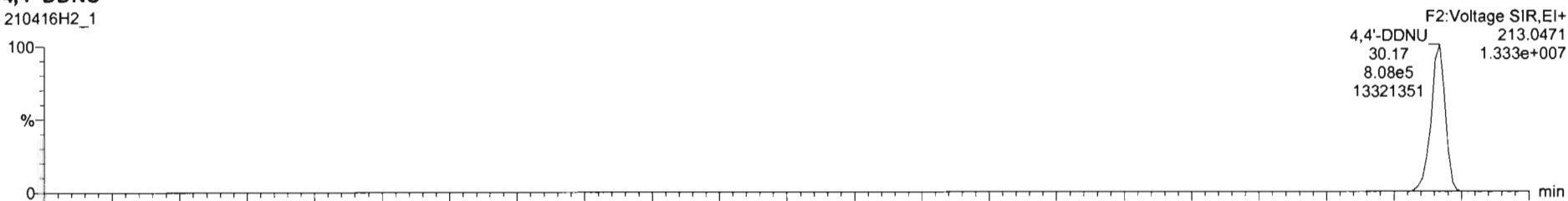
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Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

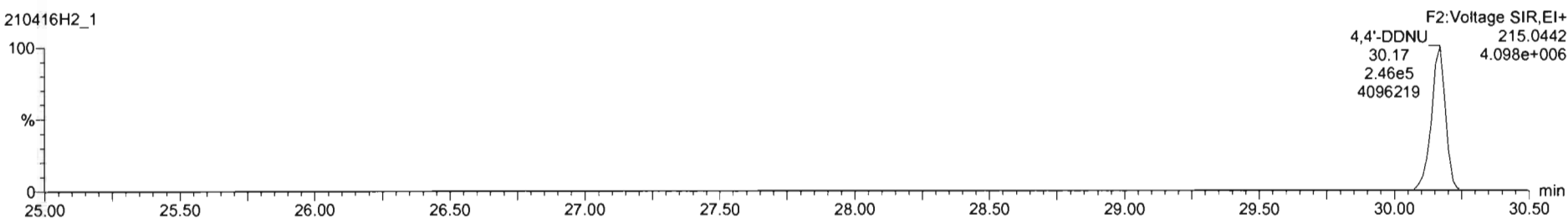
Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-DDNU

210416H2\_1



210416H2\_1

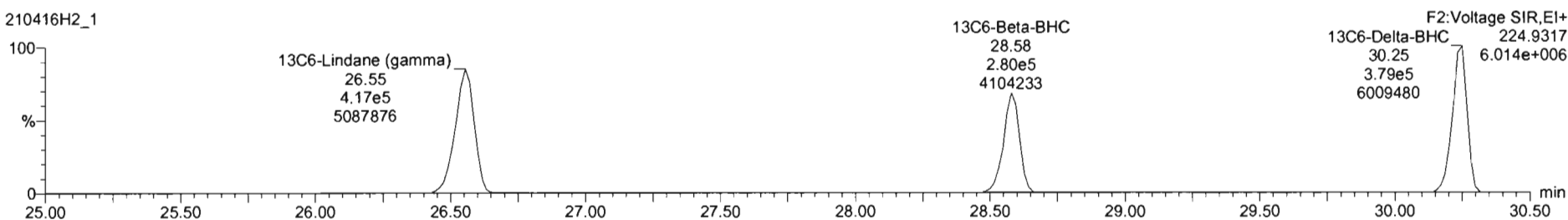


13C6-Delta-BHC

210416H2\_1



210416H2\_1



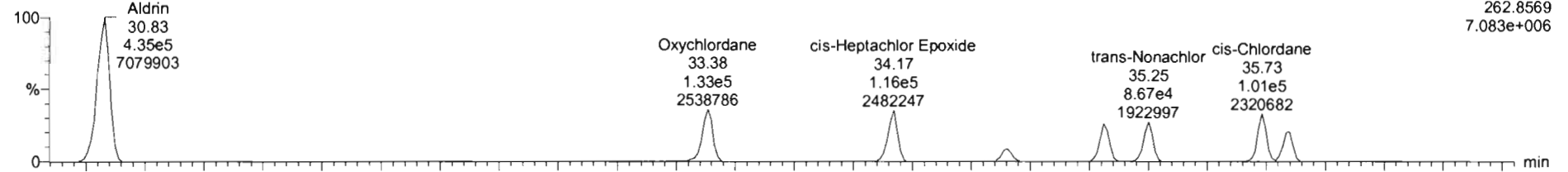
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Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

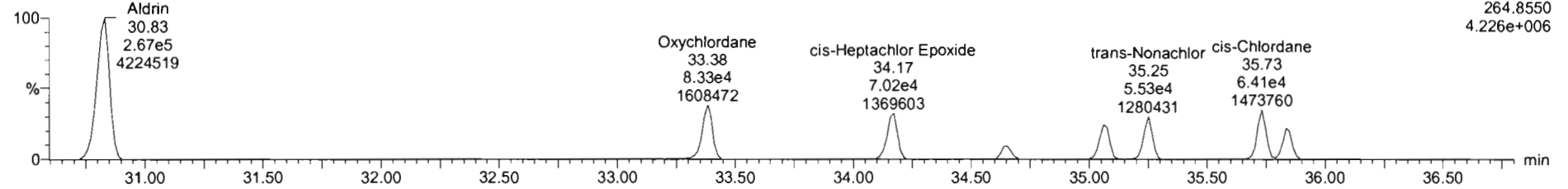
Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Aldrin-EI**

210416H2\_1

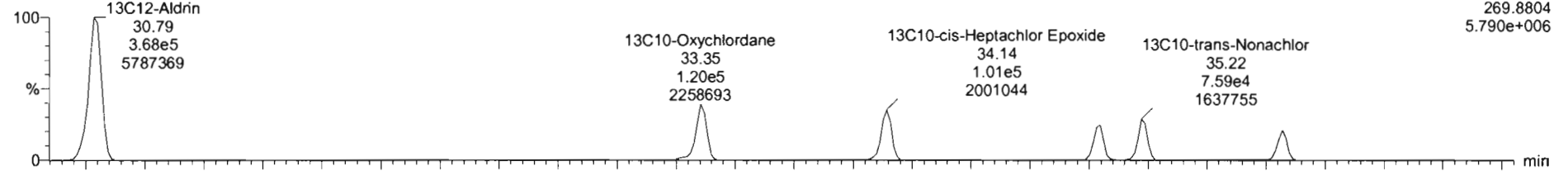


210416H2\_1

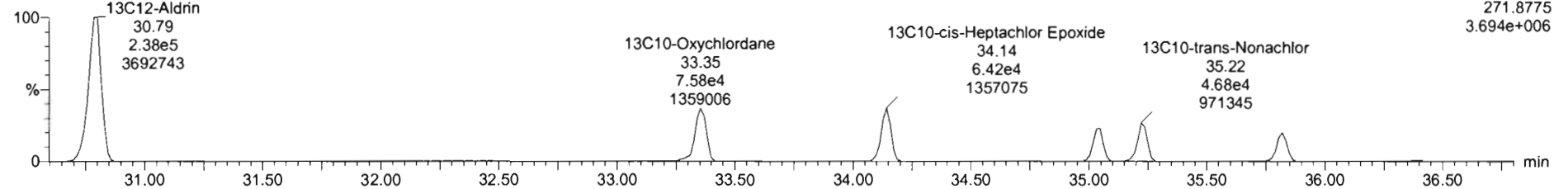


**Aldrin-EI-isotopes**

210416H2\_1



210416H2\_1



Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

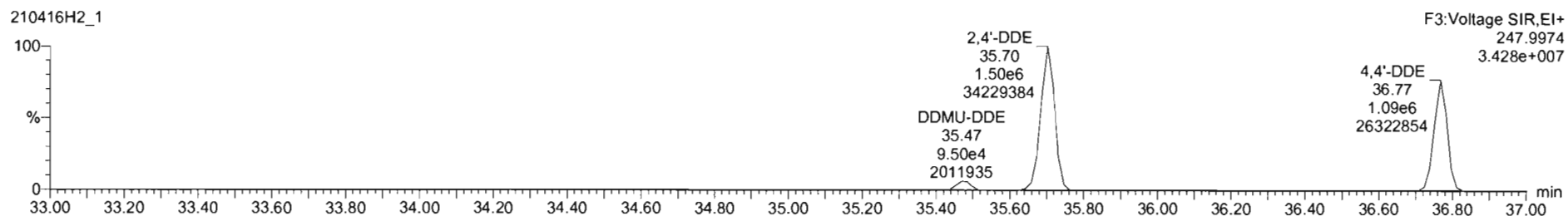
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DDMU-DDE

210416H2\_1

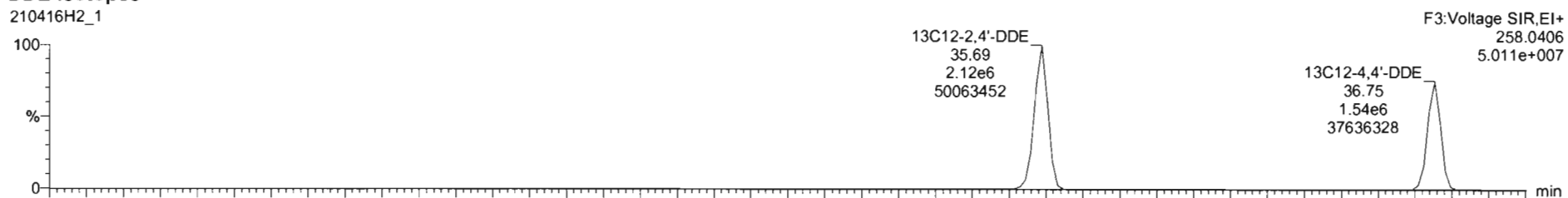


210416H2\_1

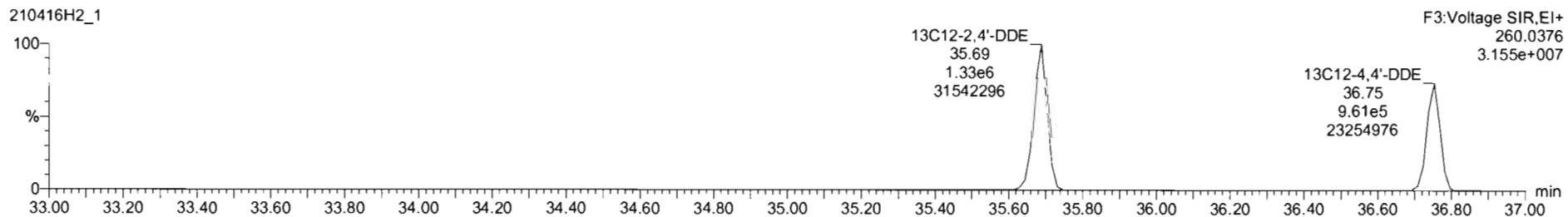


DDE-isotopes

210416H2\_1



210416H2\_1





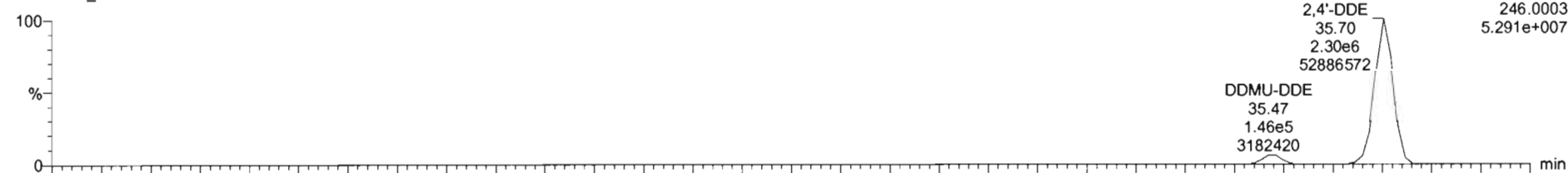
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Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

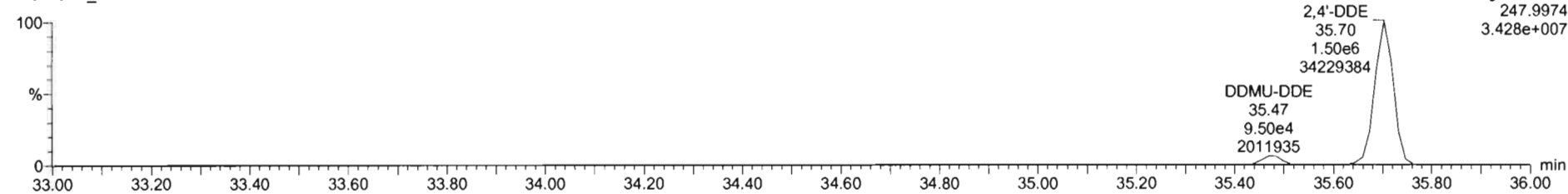
Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**2,4'-DDE**

210416H2\_1

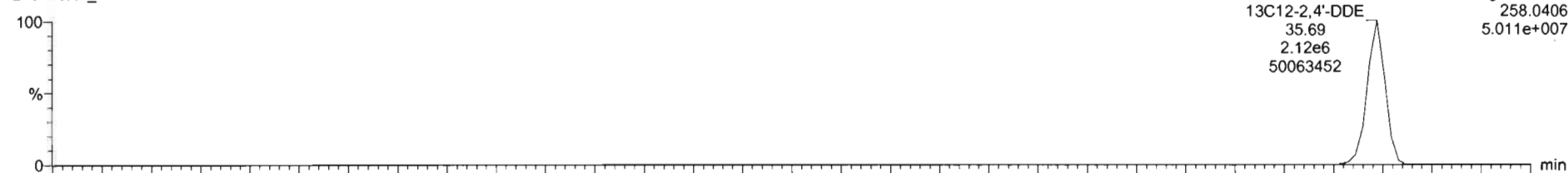


210416H2\_1

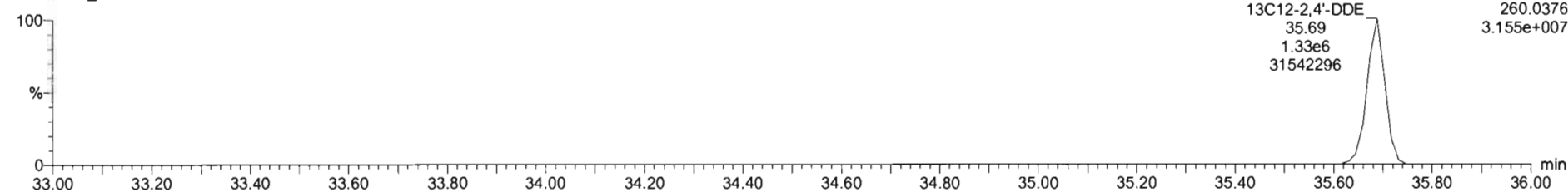


**13C12-2,4'-DDE**

210416H2\_1



210416H2\_1

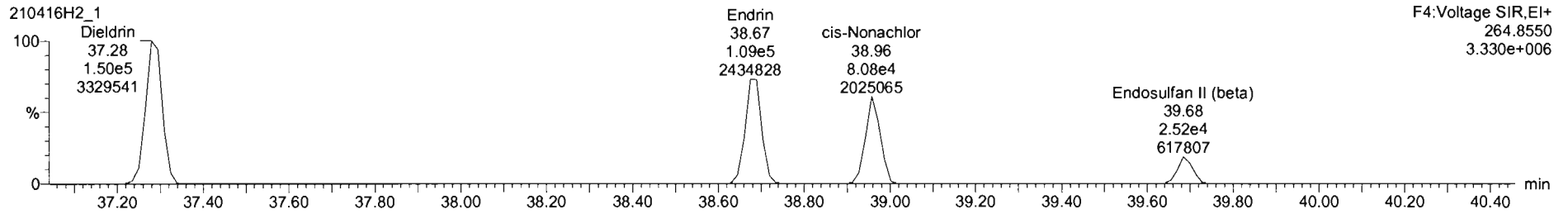
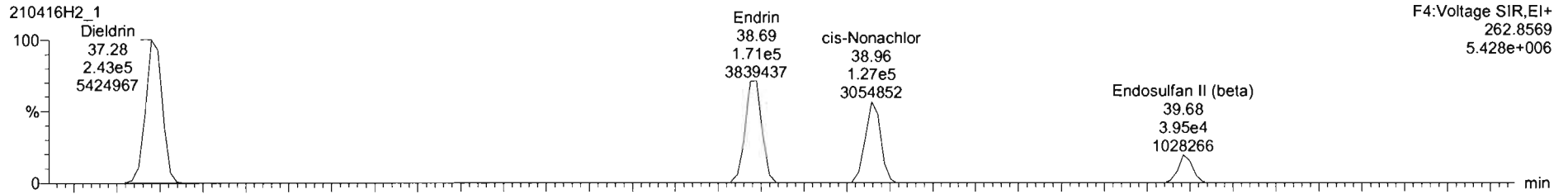


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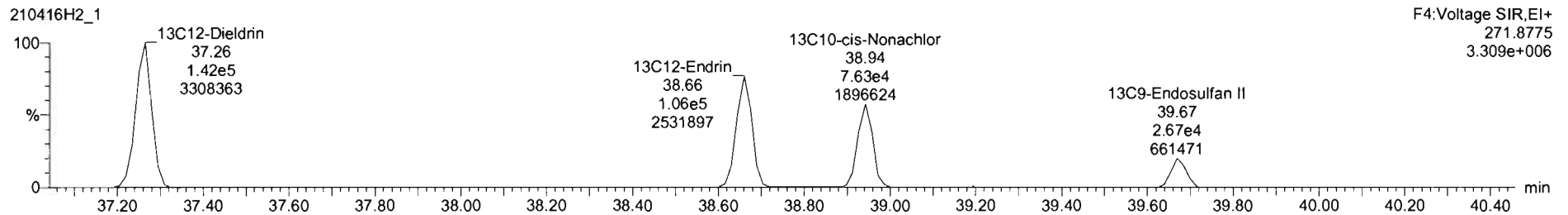
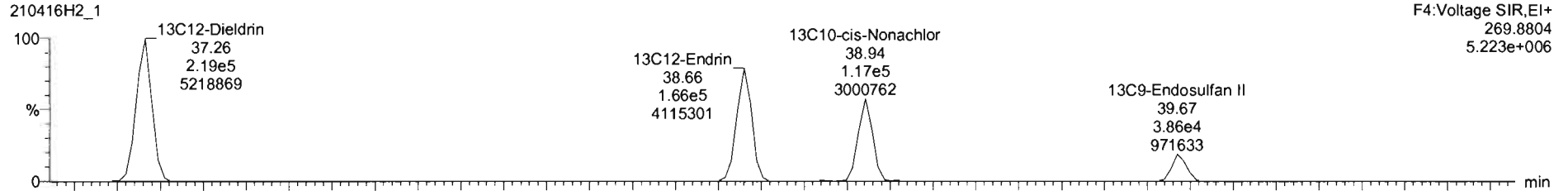
Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Dieldrin-EII



Dieldrin-EII-isotopes

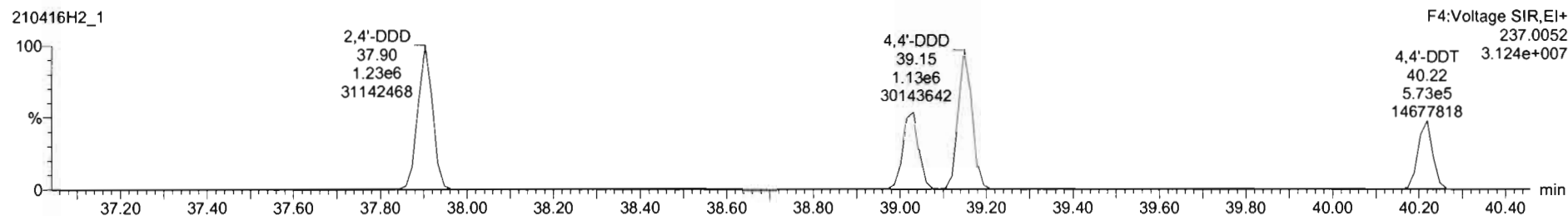
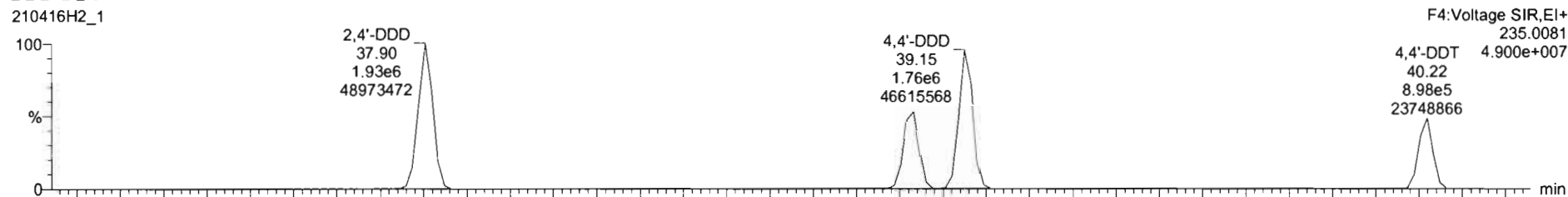


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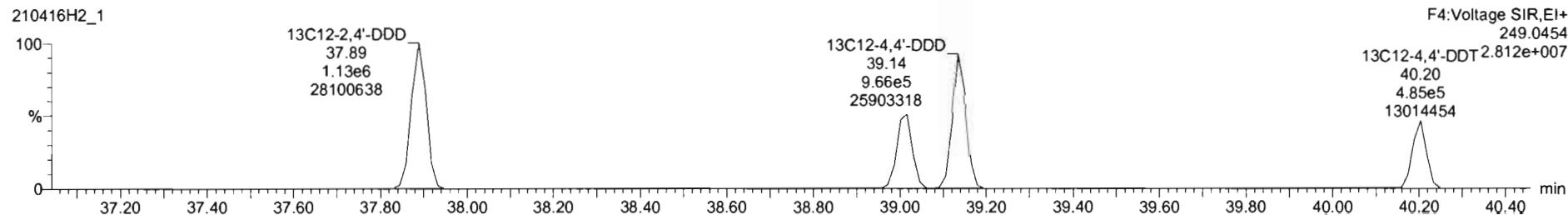
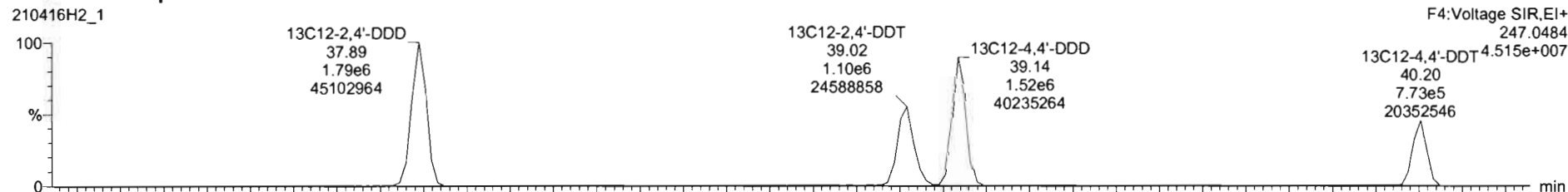
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Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



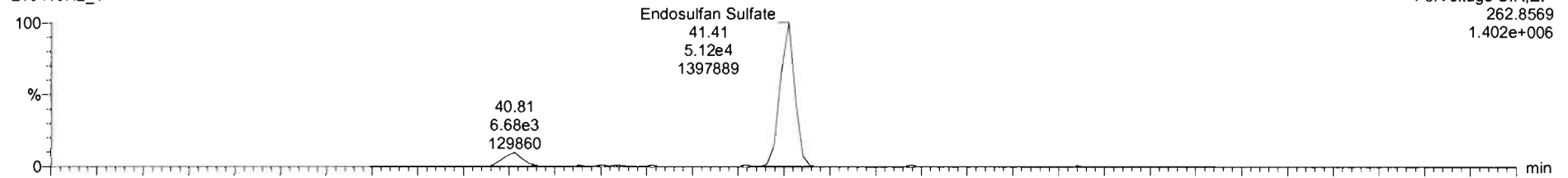
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Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

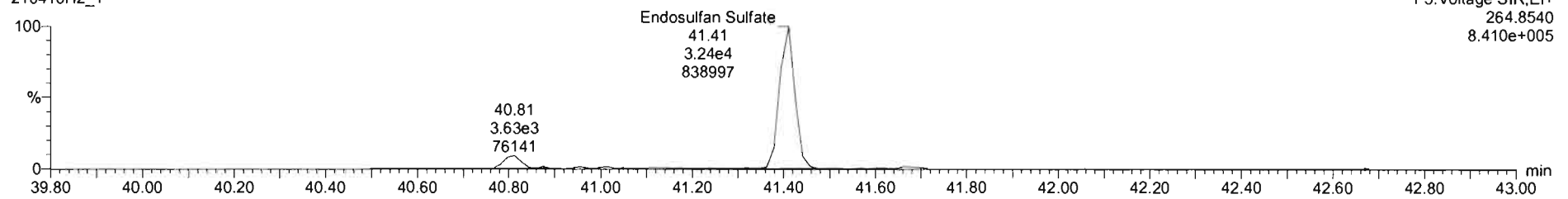
**Endosulfan Sulfate**

210416H2\_1



F5:Voltage SIR,EI+  
262.8569  
1.402e+006

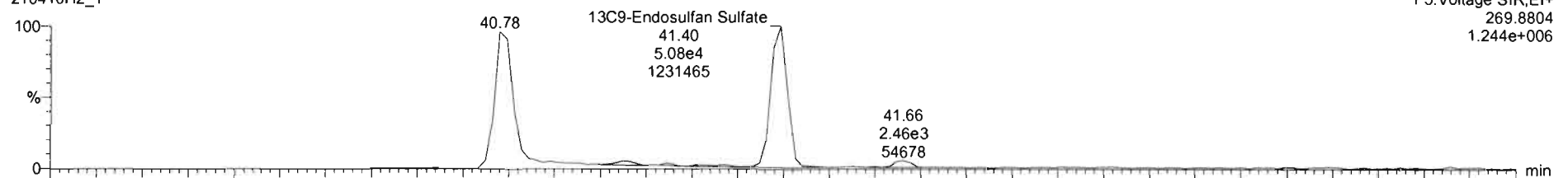
210416H2\_1



F5:Voltage SIR,EI+  
264.8540  
8.410e+005

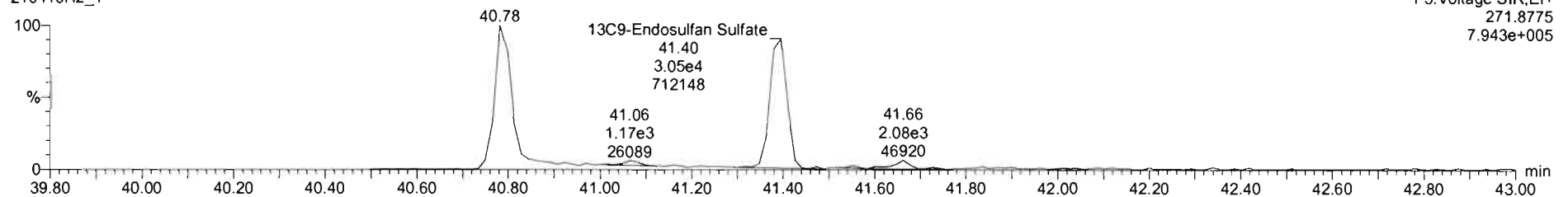
**13C9-Endosulfan Sulfate**

210416H2\_1



F5:Voltage SIR,EI+  
269.8804  
1.244e+006

210416H2\_1



F5:Voltage SIR,EI+  
271.8775  
7.943e+005

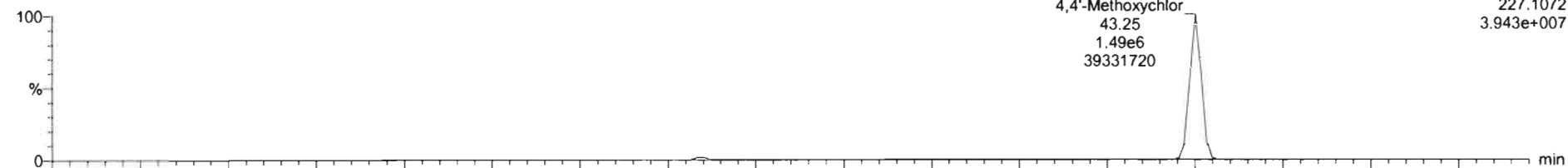
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Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

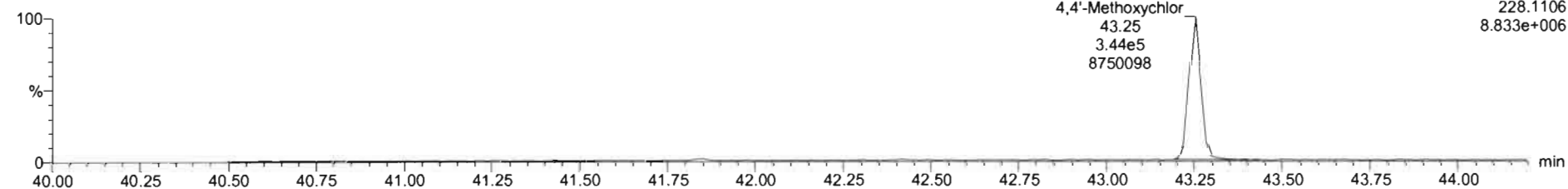
Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**4,4'-Methoxychlor**

210416H2\_1

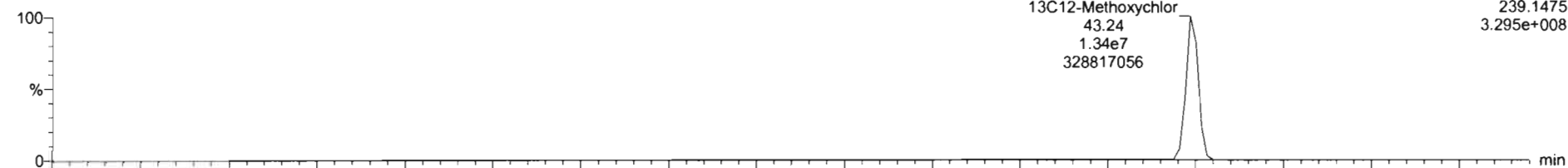


210416H2\_1

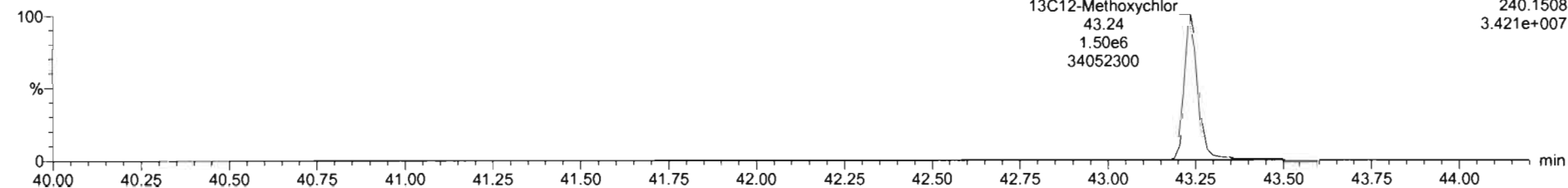


**13C12-Methoxychlor**

210416H2\_1



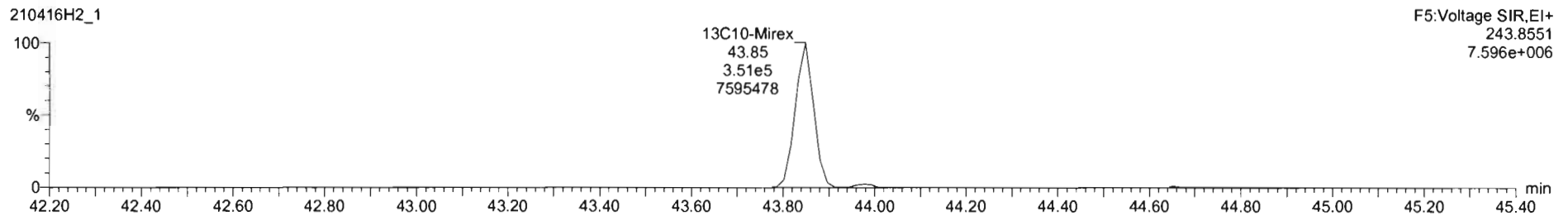
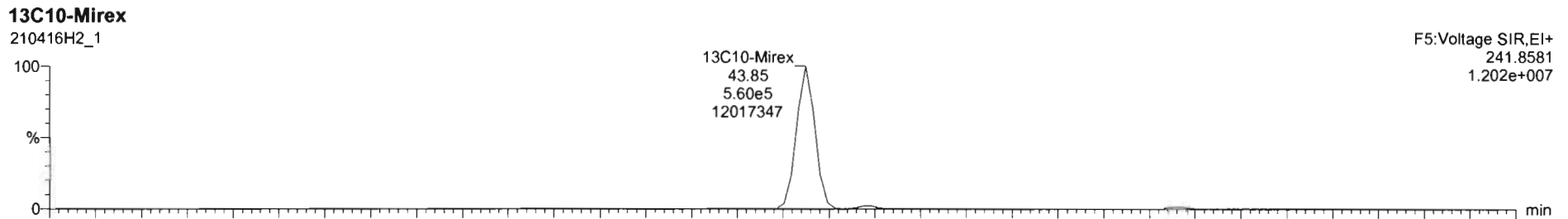
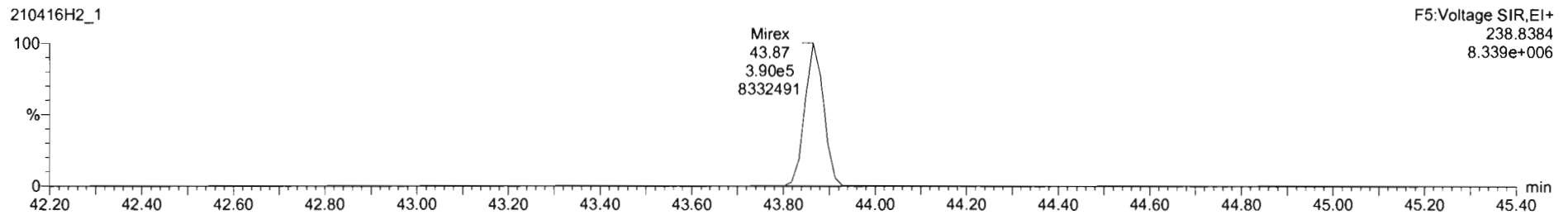
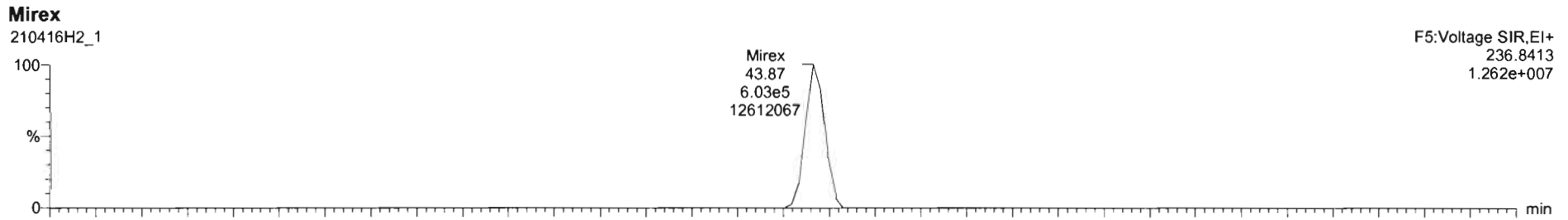
210416H2\_1



Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

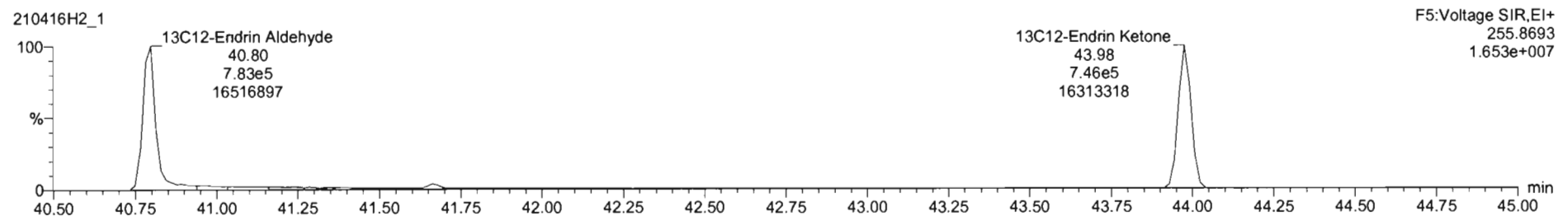
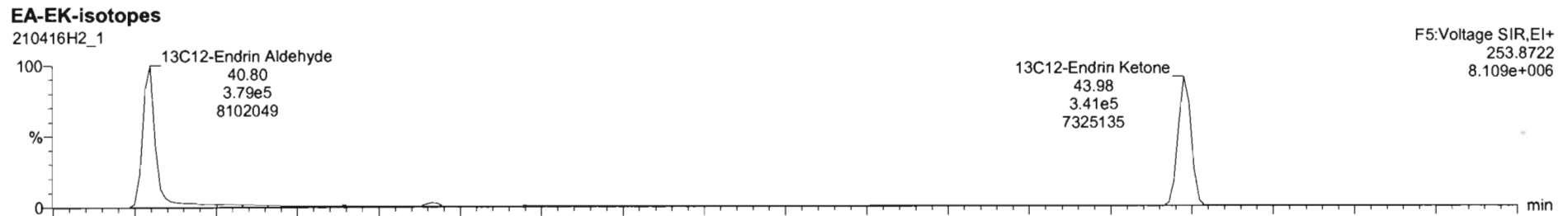
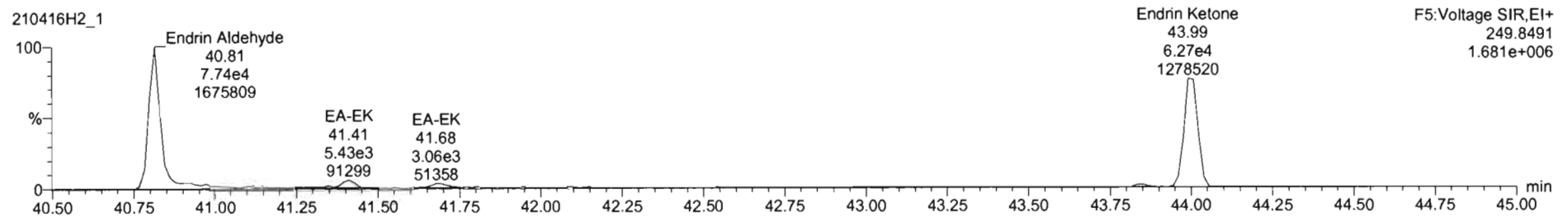
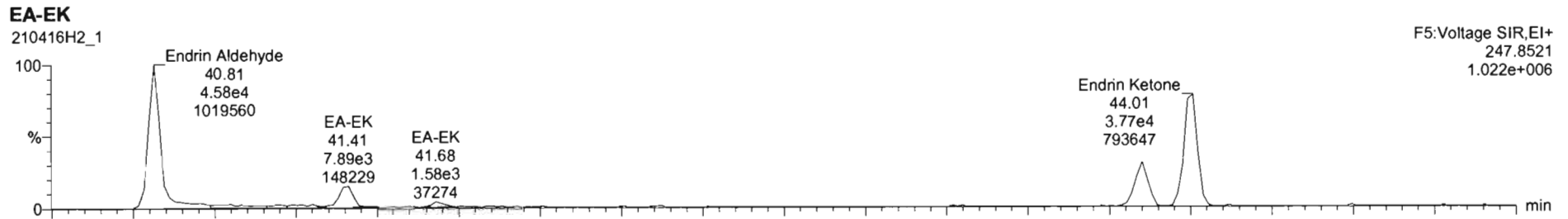
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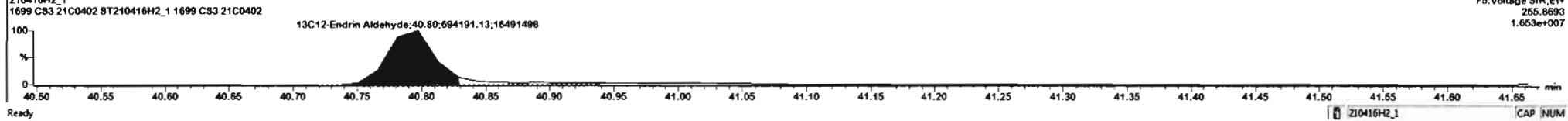
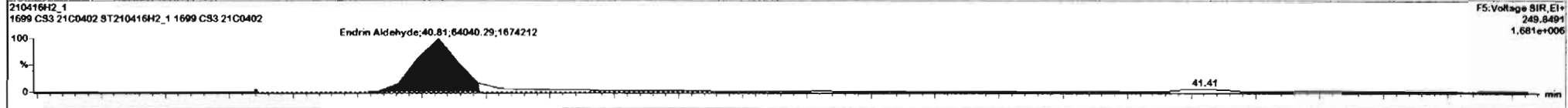
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Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402



#	Name	Resp	ISAREA	RA	ny	RRF	wt/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
21	21 Endrin	2.80e5	2.72e5	1.58	NO	1.01	1.0000	38.69	38.70	1.001	1.001	NO	51.10	102	0.0642	51.1
22	22 cis-Nonachlor	2.08e5	1.93e5	1.57	NO	1.00	1.0000	38.96	38.94	1.000	1.000	NO	53.76	108	0.0876	53.8
23	23 Endosulfan II (beta)	6.47e4	6.54e4	1.57	NO	1.07	1.0000	39.68	39.67	1.000	1.000	NO	46.28	92.6	0.247	46.3
24	24 2,4'-DDD	3.16e6	2.92e6	1.57	NO	1.07	1.0000	37.90	37.89	1.000	1.000	NO	50.65	101	0.0599	50.6
25	25 2,4'-DDT	1.77e6	1.70e6	1.53	NO	1.05	1.0000	39.03	39.02	1.000	1.000	NO	49.83	98.7	0.119	49.8
26	26 4,4'-DDD	2.88e6	2.48e6	1.55	NO	1.16	1.0000	39.15	39.13	1.000	1.000	NO	49.99	100	0.0614	50.0
27	27 4,4'-DDT	1.47e6	1.28e6	1.57	NO	1.13	1.0000	40.22	40.24	1.000	1.001	NO	51.59	103	0.125	51.6
28	28 Endosulfan Sulfate	8.36e4	8.13e4	1.58	NO	1.04	1.0000	41.41	41.40	1.000	1.000	NO	49.59	99.2	0.268	49.6
29	29 4,4'-Methoxychlor	1.83e6	1.49e7	4.33	NO	1.22	1.0000	43.25	43.24	1.000	1.000	NO	50.52	101	0.0704	50.5
30	30 Mirex	9.93e5	9.12e5	1.55	NO	1.03	1.0000	43.87	43.89	1.000	1.001	NO	52.70	105	0.0324	52.7
31	31 Endrin Aldehyde	1.84e5	1.02e5	0.62	NO	1.03	1.0000	40.81	40.80	1.000	1.000	NO	49.21	96.4	0.302	49.2
32	32 Endrin Ketone	1.00e5	1.09e5	0.60	NO	0.93	1.0000	44.01	43.98	1.001	1.000	NO	49.92	99.8	0.361	49.9
33	33 13C4-Hexachlorobutadi...	7.29e6	4.08e6	1.28	NO	0.16	1.0000	9.98	9.97	0.383	0.383	NO	556.5	111	0.00611	
34	34 13C6-Hexachlorobenze...	3.57e6	4.08e6	1.27	NO	0.87	1.0000	22.68	22.69	0.870	0.871	NO	50.42	101	0.00149	
35	35 13C8-Alpha-BHC	1.02e6	4.08e6	0.79	NO	0.26	1.0000	23.21	23.21	0.891	0.891	NO	48.18	96.4	0.0669	
36	36 13C8-Lindane (gamma)	7.45e5	4.08e6	0.78	NO	0.19	1.0000	26.55	26.55	1.019	1.019	NO	47.09	94.2	0.0892	
37	37 13C8-Beta-BHC	4.89e5	4.08e6	0.78	NO	0.14	1.0000	28.58	28.58	1.097	1.097	NO	42.51	85.0	0.120	
38	38 13C8-Delta-BHC	6.79e5	4.08e6	0.79	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	49.48	99.0	0.103	
39	39 13C10-Heptachlor	3.75e5	4.08e6	1.34	NO	0.15	1.0000	28.71	28.71	1.102	1.102	NO	30.96	61.9	0.0173	
40	40 13C12-Aldrin	6.06e5	4.08e6	1.55	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	48.13	96.3	0.0464	





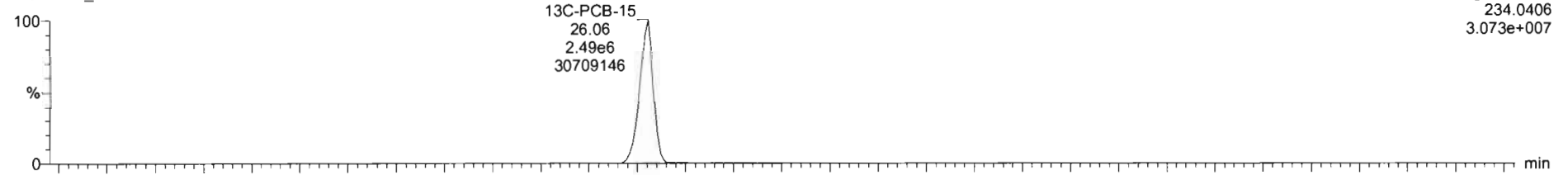
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Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

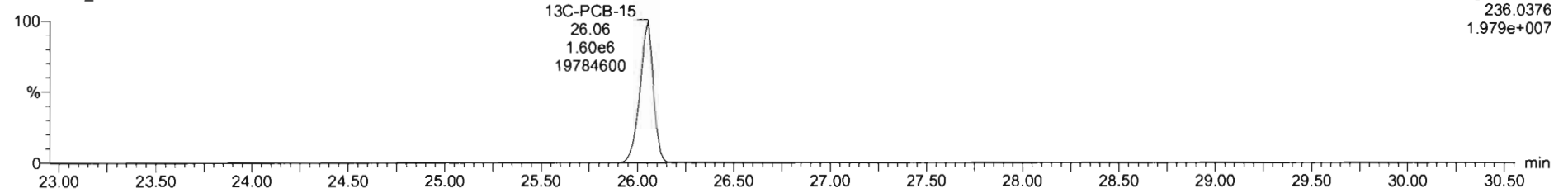
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**13C-PCB-15**

210416H2\_1

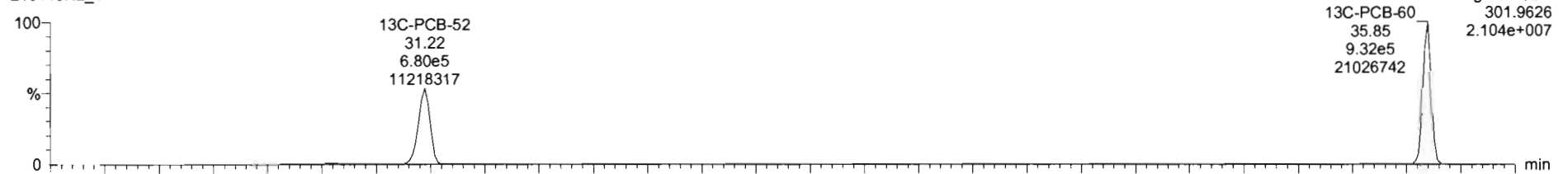


210416H2\_1

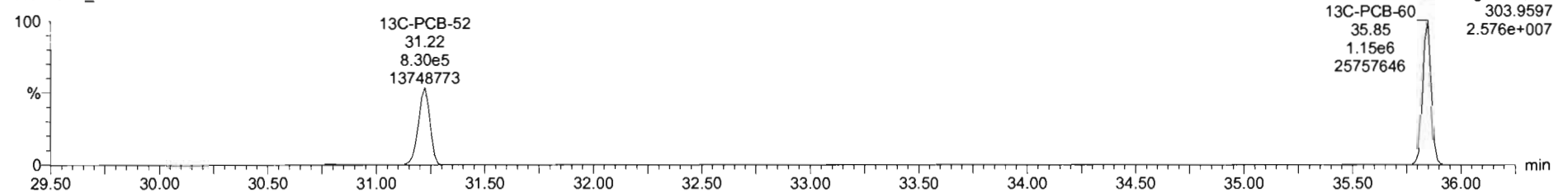


**13C-PCB-60**

210416H2\_1



210416H2\_1



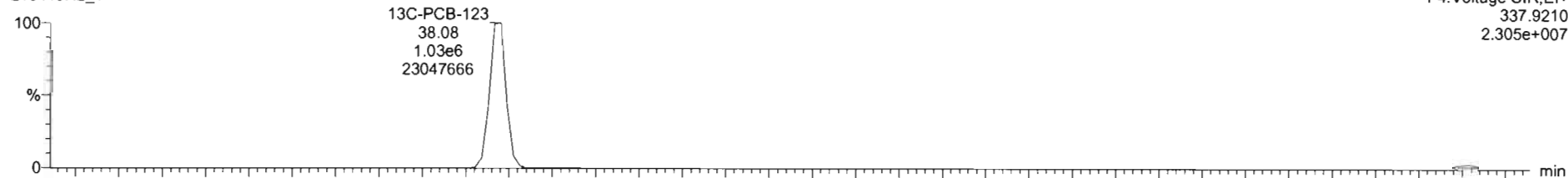
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Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

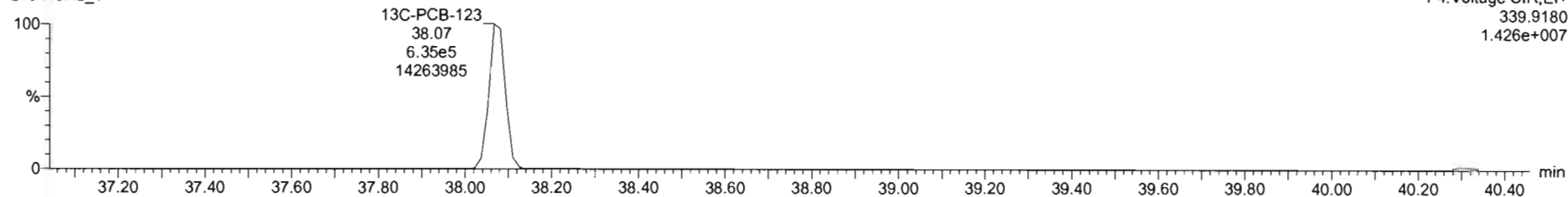
Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**13C-PCB-123**

210416H2\_1

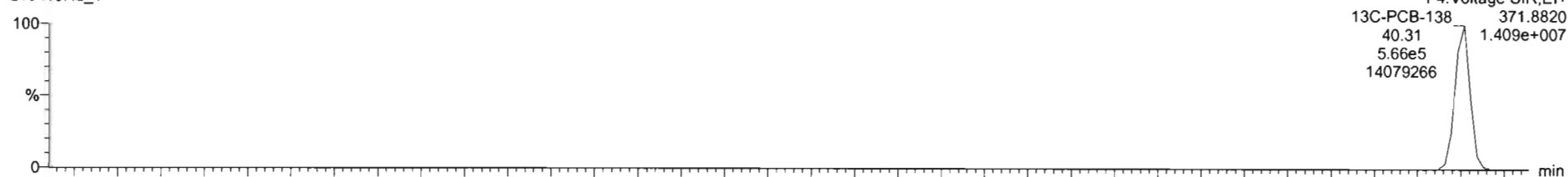


210416H2\_1

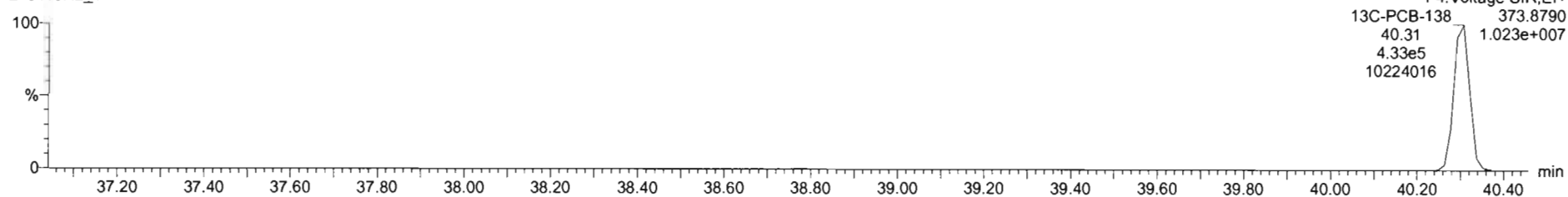


**13C-PCB-138**

210416H2\_1



210416H2\_1



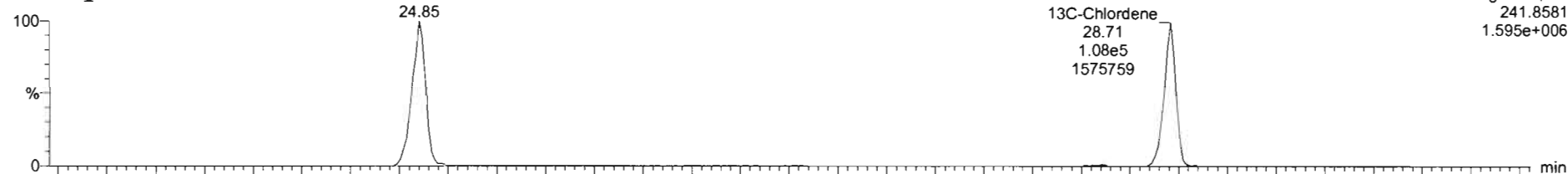
Dataset: Untitled

Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

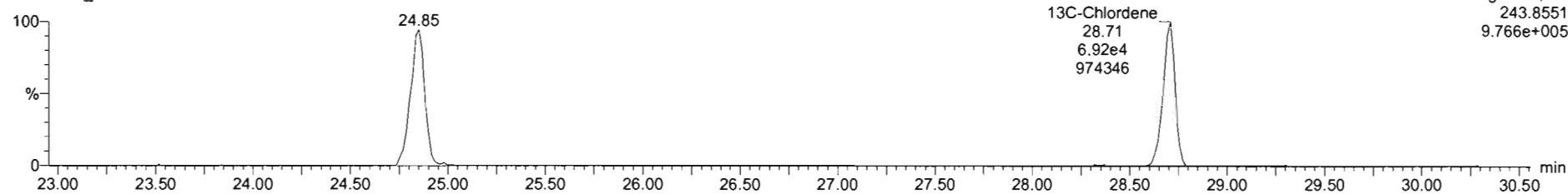
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**13C-Chlordene**

210416H2\_1

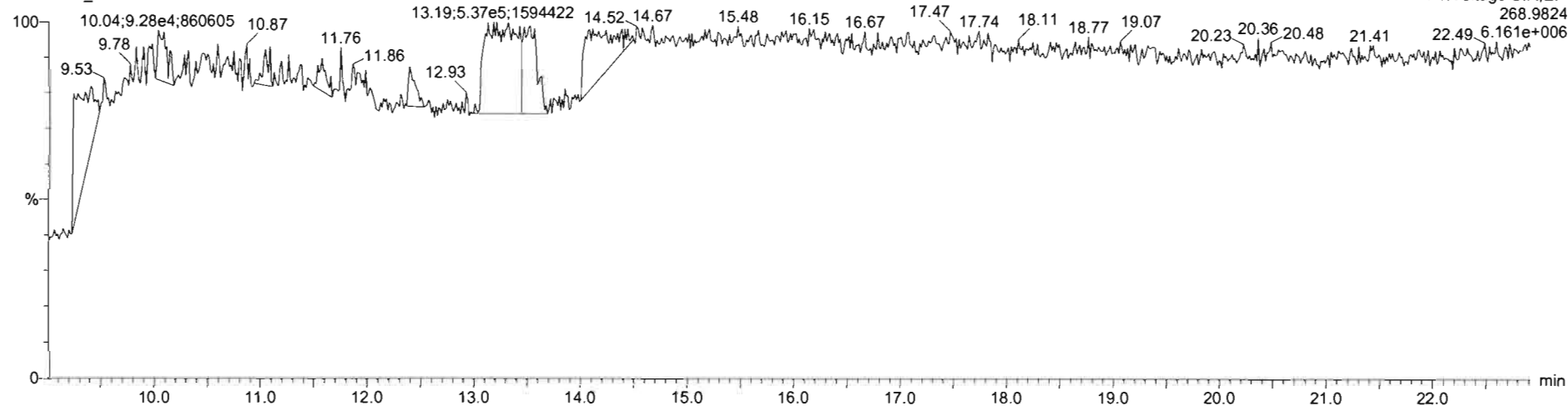


210416H2\_1



**PFK1**

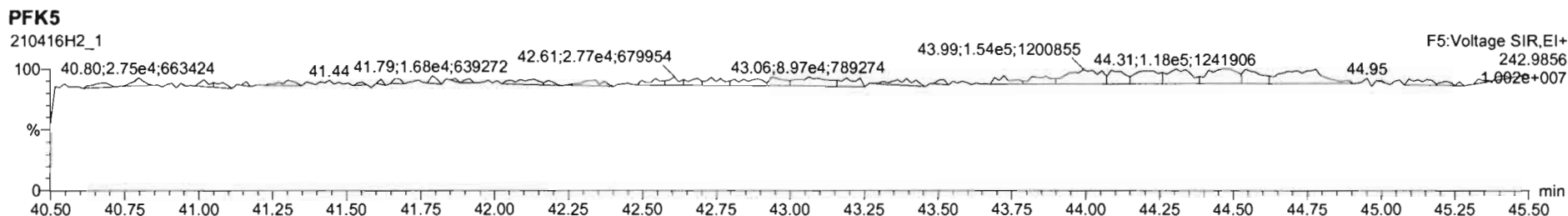
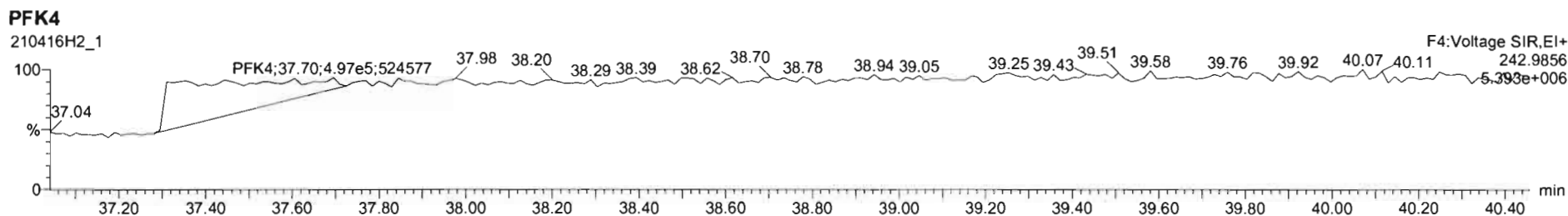
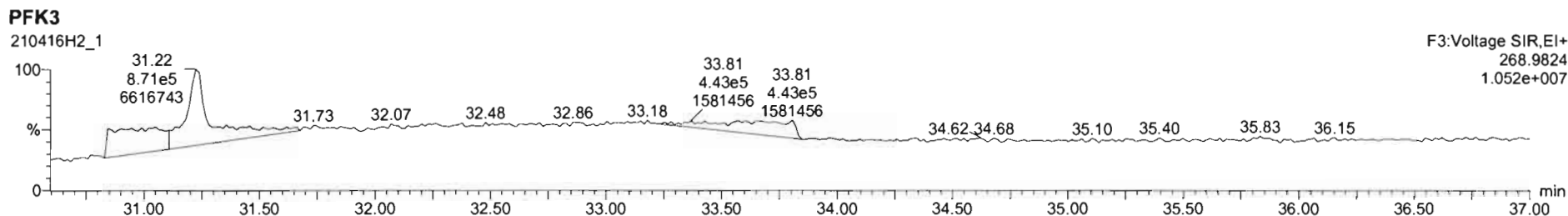
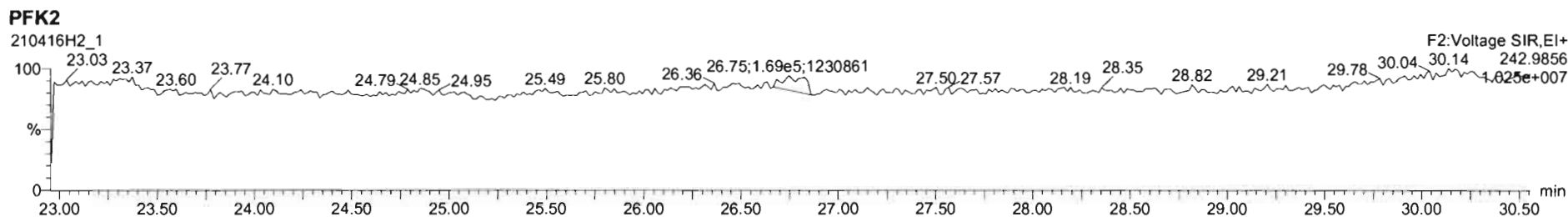
210416H2\_1



Dataset: Untitled

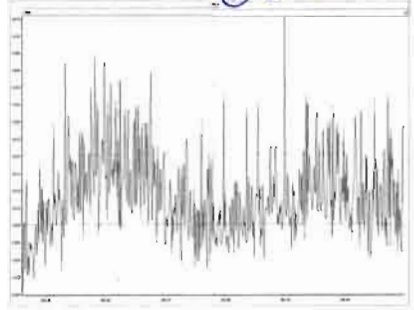
Last Altered: Tuesday, April 20, 2021 15:10:23 Pacific Daylight Time  
Printed: Tuesday, April 20, 2021 15:10:58 Pacific Daylight Time

Name: 210416H2\_1, Date: 16-Apr-2021, Time: 10:42:41, ID: ST210416H2\_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

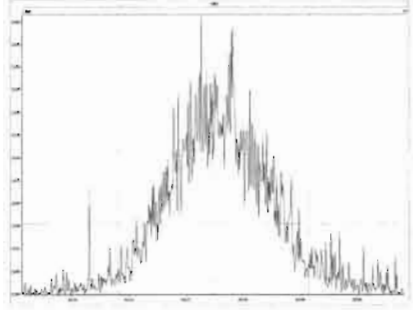


Printed: Friday, April 16, 2021 23:04:38 Pacific Daylight Time

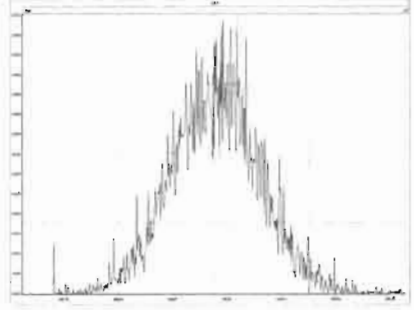
M 254.9856 R 0 *ⓐ column bleed*



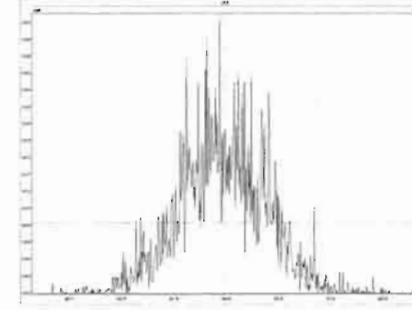
M 268.9824 R 7619



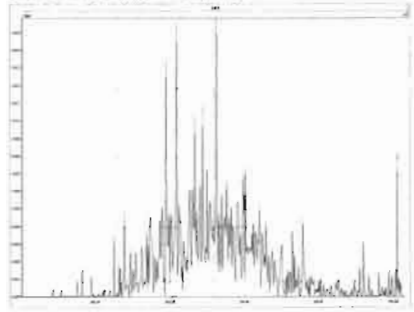
M 280.9824 R 8573



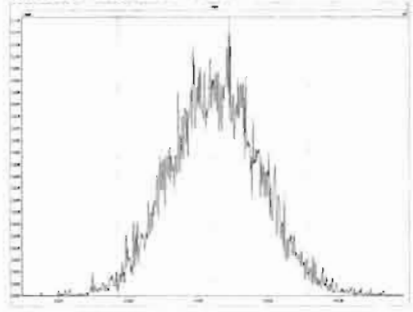
M 292.9824 R 9468



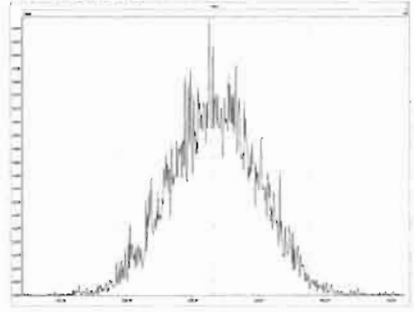
M 204.9888 R 20501



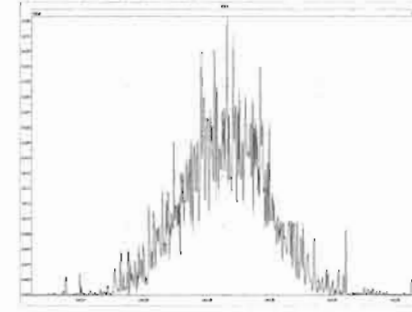
M 218.9856 R 7751



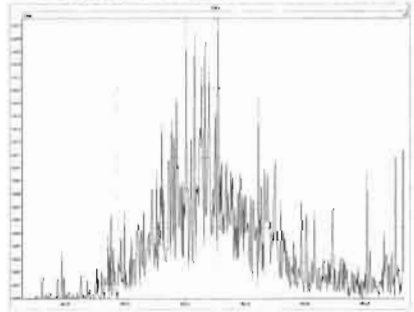
M 230.9856 R 7812



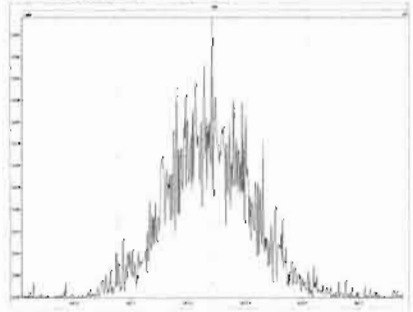
M 242.9856 R 9111



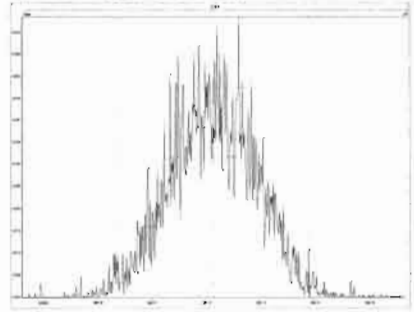
M 254.9856 R 8591



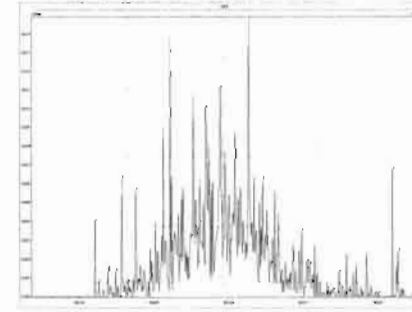
M 268.9824 R 8247



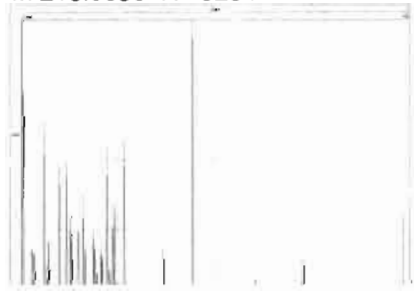
M 280.9824 R 8752



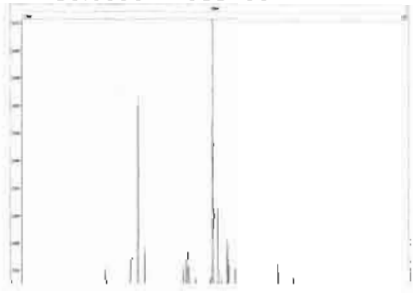
M 204.9888 R 10881



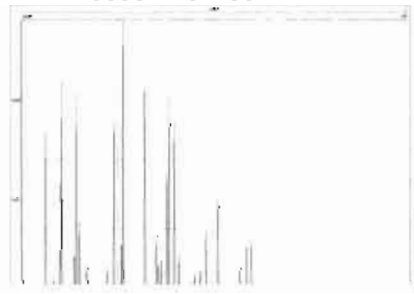
M 218.9856 R 75284



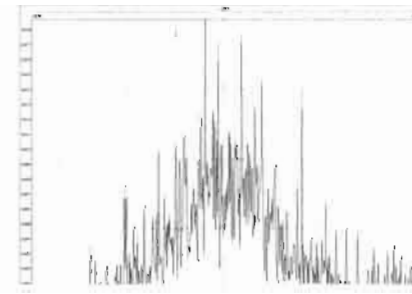
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M 242.9856 R 57255



M 254.9856 R 8660

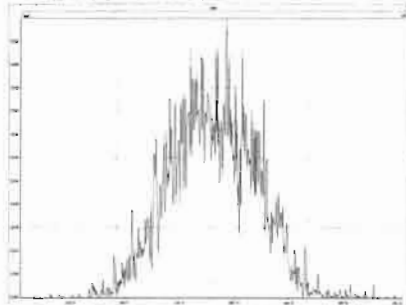


Printed: Friday, April 16, 2021 23:04:38 Pacific Daylight Time

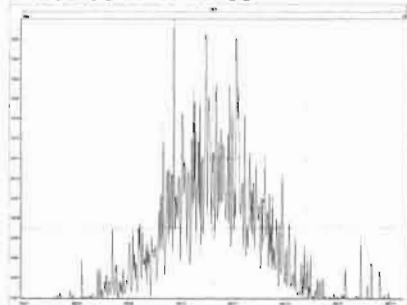
M 268.9824 R 8930



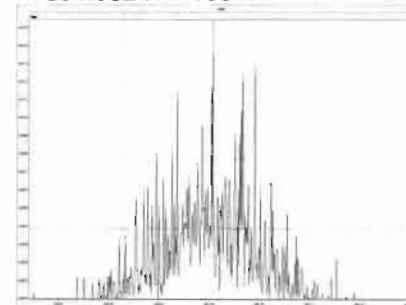
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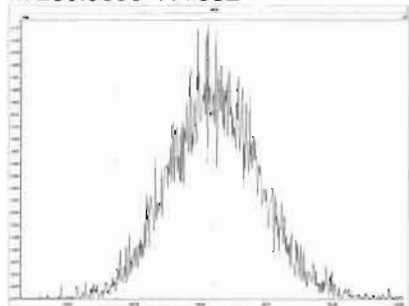
M 292.9824 R 11735



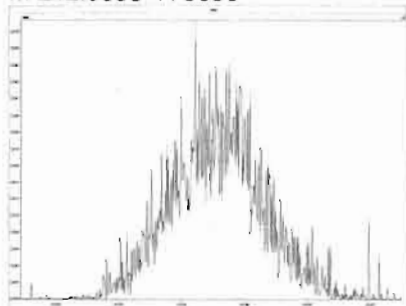
M 304.9824 R 15517



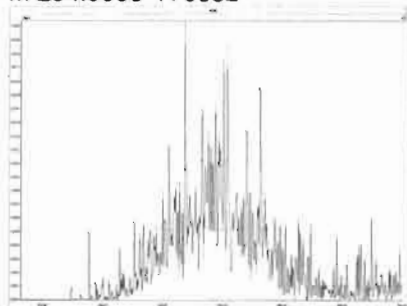
M 230.9856 R 7532



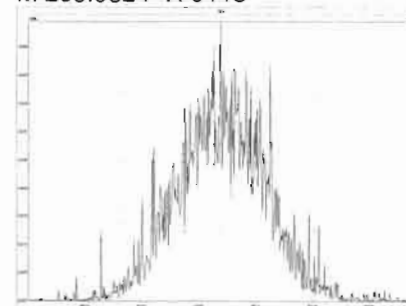
M 242.9856 R 8636



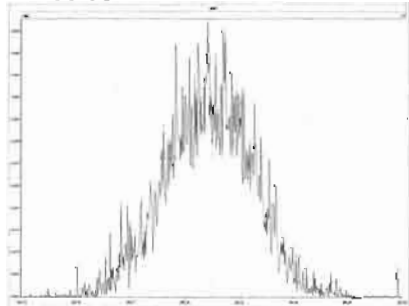
M 254.9856 R 9652



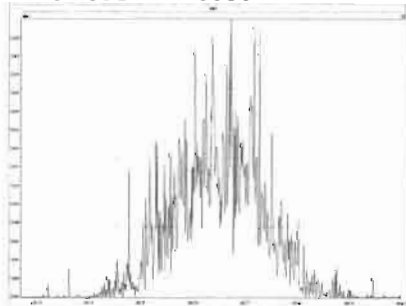
M 268.9824 R 9115



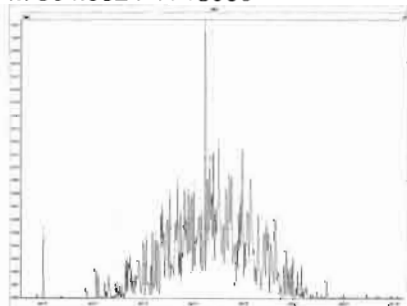
M 280.9824 R 8831



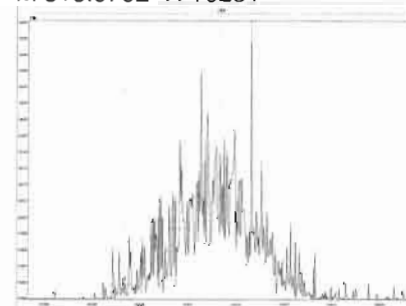
M 292.9824 R 10568



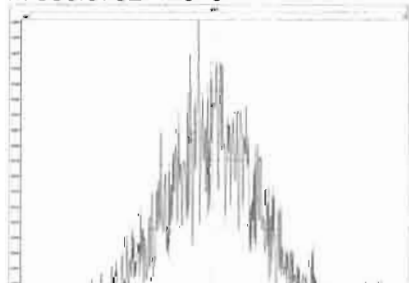
M 304.9824 R 13986



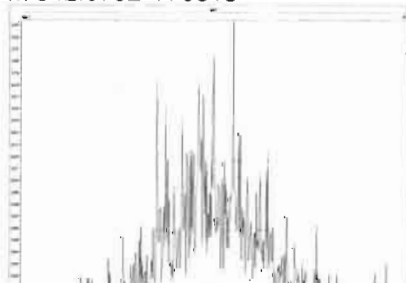
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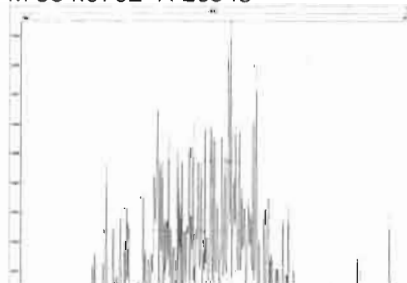
M 330.9792 R 9457



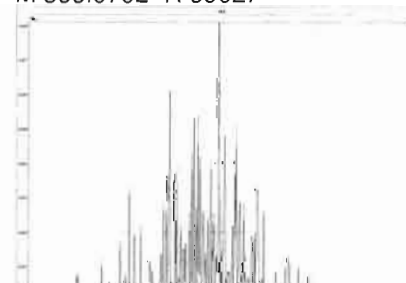
M 342.9792 R 9513



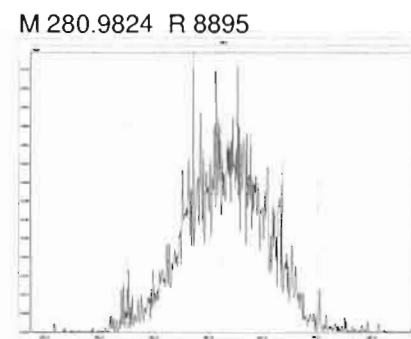
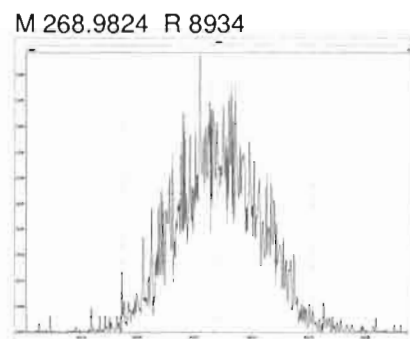
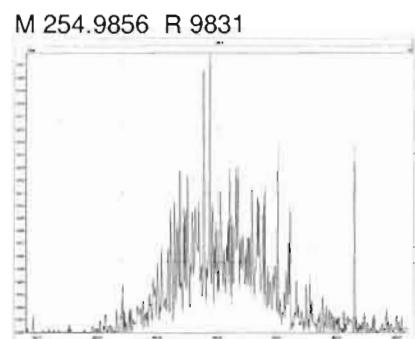
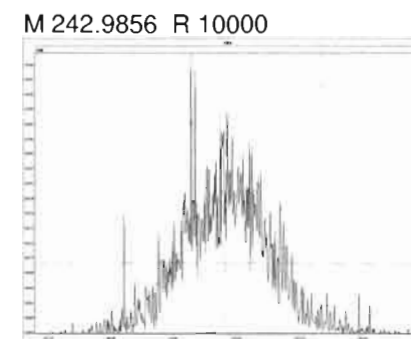
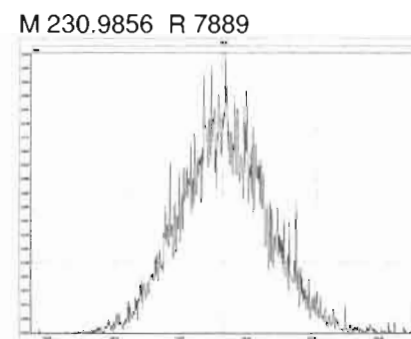
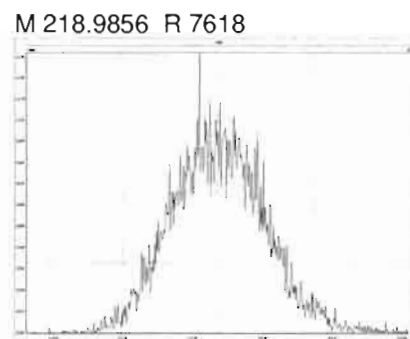
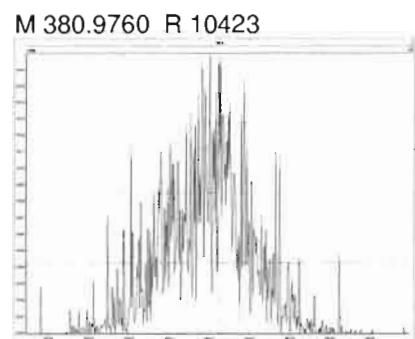
M 354.9792 R 26545



M 366.9792 R 69027



Printed: Friday, April 16, 2021 23:04:38 Pacific Daylight Time



## **INITIAL CALIBRATION**



Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld  
 Last Altered: Monday, March 22, 2021 14:48:34 Pacific Daylight Time  
 Printed: Monday, March 22, 2021 15:02:33 Pacific Daylight Time

*HC 3.22.2021*  
*HN 03/23/21*

Method: Untitled 19 Mar 2021 07:51:46  
 Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

*\* no end ves-check. instrument packed  
 filament out.*

Compound name: 2,3,7,8-TCDD  
 Response Factor: 0.997568  
 RRF SD: 0.0240356, Relative SD: 2.40942  
 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	210319D1_2	0.250	0.75	NO	26.13	1.001	5.26e2	2.06e5	0.256	2.5	1.02	MM
2	210319D1_3	0.500	0.70	NO	26.14	1.001	1.11e3	2.23e5	0.500	-0.1	0.997	MM
3	210319D1_4	2.00	0.85	NO	26.13	1.001	4.44e3	2.30e5	1.94	-3.2	0.965	bb
4	210319D1_5	10.0	0.79	NO	26.13	1.001	2.32e4	2.37e5	9.81	-1.9	0.979	db
5	210319D1_6	40.0	0.78	NO	26.13	1.001	1.04e5	2.54e5	41.2	2.9	1.03	bb
6	210319D1_7	300	0.79	NO	26.13	1.001	6.96e5	2.33e5	299	-0.3	0.995	bb

Compound name: 1,2,3,7,8-PeCDD  
 Response Factor: 0.961256  
 RRF SD: 0.0514158, Relative SD: 5.34882  
 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	210319D1_2	1.25	0.58	NO	30.64	1.001	1.76e3	1.44e5	1.27	1.5	0.976	MM
2	210319D1_3	2.50	0.65	NO	30.64	1.001	3.44e3	1.51e5	2.36	-5.6	0.908	MM
3	210319D1_4	10.0	0.62	NO	30.64	1.001	1.49e4	1.62e5	9.59	-4.1	0.922	bb
4	210319D1_5	50.0	0.58	NO	30.64	1.001	8.32e4	1.73e5	50.0	0.0	0.962	bb
5	210319D1_6	200	0.62	NO	30.64	1.001	3.84e5	1.82e5	219	9.5	1.05	bb
6	210319D1_7	1500	0.63	NO	30.62	1.000	2.58e6	1.81e5	1480	-1.4	0.947	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

Last Altered: Monday, March 22, 2021 14:48:34 Pacific Daylight Time

Printed: Monday, March 22, 2021 15:02:33 Pacific Daylight Time

**Compound name: 1,2,3,4,7,8-HxCDD**

Response Factor: 1.18432

RRF SD: 0.0714758, Relative SD: 6.03516

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	210319D1_2	1.25	1.28	NO	33.90	1.000	1.69e3	1.18e5	1.22	-2.8	1.15	MM
2	210319D1_3	2.50	1.32	NO	33.91	1.000	3.62e3	1.23e5	2.48	-0.9	1.17	dd
3	210319D1_4	10.0	1.29	NO	33.94	1.001	1.45e4	1.33e5	9.21	-7.9	1.09	dd
4	210319D1_5	50.0	1.28	NO	33.92	1.001	8.26e4	1.39e5	50.3	0.7	1.19	bd
5	210319D1_6	200	1.27	NO	33.91	1.000	4.08e5	1.56e5	221	10.5	1.31	bd
6	210319D1_7	1500	1.29	NO	33.94	1.000	2.70e6	1.52e5	1510	0.3	1.19	bd

**Compound name: 1,2,3,6,7,8-HxCDD**

Response Factor: 1.04038

RRF SD: 0.0428604, Relative SD: 4.11969

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	210319D1_2	1.25	1.25	NO	34.02	1.000	1.73e3	1.32e5	1.26	0.9	1.05	MM
2	210319D1_3	2.50	1.25	NO	34.05	1.001	3.60e3	1.39e5	2.49	-0.5	1.04	db
3	210319D1_4	10.0	1.28	NO	34.05	1.000	1.49e4	1.49e5	9.59	-4.1	0.997	db
4	210319D1_5	50.0	1.28	NO	34.06	1.000	8.15e4	1.58e5	49.5	-1.1	1.03	db
5	210319D1_6	200	1.28	NO	34.03	1.000	3.87e5	1.73e5	215	7.6	1.12	db
6	210319D1_7	1500	1.24	NO	34.06	1.001	2.59e6	1.71e5	1460	-2.8	1.01	db

**Compound name: 1,2,3,7,8,9-HxCDD**

Response Factor: 1.05925

RRF SD: 0.0502253, Relative SD: 4.74157

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	210319D1_2	1.25	1.36	NO	34.30	1.000	1.71e3	1.29e5	1.25	-0.2	1.06	MM
2	210319D1_3	2.50	1.31	NO	34.33	1.000	3.57e3	1.38e5	2.44	-2.5	1.03	MM

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

Last Altered: Monday, March 22, 2021 14:48:34 Pacific Daylight Time  
 Printed: Monday, March 22, 2021 15:02:33 Pacific Daylight Time

**Compound name: 1,2,3,7,8,9-HxCDD**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	10.0	1.28	NO	34.33	1.001	1.51e4	1.49e5	9.57	-4.3	1.01	bb
4	210319D1_5	50.0	1.29	NO	34.33	1.001	8.35e4	1.60e5	49.3	-1.3	1.04	bb
5	210319D1_6	200	1.25	NO	34.32	1.000	4.05e5	1.75e5	218	9.2	1.16	bb
6	210319D1_7	1500	1.27	NO	34.33	1.000	2.80e6	1.78e5	1490	-0.9	1.05	bb

**Compound name: 1,2,3,4,6,7,8-HpCDD**

Response Factor: 1.06019

RRF SD: 0.089124, Relative SD: 8.40645

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	210319D1_2	1.25	1.02	NO	37.86	1.001	1.46e3	1.03e5	1.33	6.5	1.13	bb
2	210319D1_3	2.50	1.09	NO	37.89	1.000	3.04e3	1.14e5	2.51	0.4	1.06	bb
3	210319D1_4	10.0	1.05	NO	37.85	1.000	1.28e4	1.21e5	9.96	-0.4	1.06	bd
4	210319D1_5	50.0	1.06	NO	37.82	1.000	7.08e4	1.31e5	51.0	1.9	1.08	bb
5	210319D1_6	200	1.05	NO	37.81	1.001	3.49e5	1.49e5	221	10.5	1.17	bb
6	210319D1_7	1500	1.05	NO	37.84	1.000	2.39e6	1.46e5	1540	2.8	1.09	bb

**Compound name: OCDD**

Response Factor: 0.976937

RRF SD: 0.0496276, Relative SD: 5.07992

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	210319D1_2	2.50	0.92	NO	41.15	1.000	2.10e3	1.77e5	2.43	-2.6	0.951	MM
2	210319D1_3	5.00	0.87	NO	41.16	1.000	4.79e3	1.98e5	4.95	-0.9	0.968	MM
3	210319D1_4	20.0	0.90	NO	41.12	1.000	1.99e4	2.16e5	18.9	-5.5	0.923	bd
4	210319D1_5	100	0.92	NO	41.09	1.000	1.15e5	2.34e5	100	0.3	0.980	bd
5	210319D1_6	400	0.89	NO	41.16	1.000	5.67e5	2.65e5	438	9.5	1.07	bb
6	210319D1_7	3000	0.90	NO	41.16	1.000	3.95e6	2.72e5	2980	-0.7	0.970	bb

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**Compound name: 2,3,7,8-TCDF**

Response Factor: 0.989477  
RRF SD: 0.087599, Relative SD: 8.85306  
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	210319D1_2	0.250	0.78	NO	25.44	1.000	8.44e2	2.95e5	0.289	15.7	1.14	MM
2	210319D1_3	0.500	0.72	NO	25.45	1.001	1.60e3	3.18e5	0.509	1.9	1.01	MM
3	210319D1_4	2.00	0.81	NO	25.44	1.001	6.49e3	3.49e5	1.88	-6.0	0.930	bb
4	210319D1_5	10.0	0.77	NO	25.45	1.001	3.15e4	3.50e5	9.10	-9.0	0.901	bb
5	210319D1_6	40.0	0.74	NO	25.45	1.001	1.46e5	3.62e5	40.9	2.2	1.01	bb
6	210319D1_7	300	0.75	NO	25.44	1.001	9.44e5	3.34e5	286	-4.7	0.943	bb

**Compound name: 1,2,3,7,8-PeCDF**

Response Factor: 1.02213  
RRF SD: 0.0697891, Relative SD: 6.8278  
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	210319D1_2	1.25	1.32	NO	29.44	1.001	2.86e3	2.32e5	1.21	-3.5	0.986	MM
2	210319D1_3	2.50	1.66	NO	29.46	1.001	5.92e3	2.44e5	2.38	-4.9	0.972	bb
3	210319D1_4	10.0	1.62	NO	29.44	1.000	2.49e4	2.60e5	9.34	-6.6	0.955	bb
4	210319D1_5	50.0	1.62	NO	29.44	1.001	1.43e5	2.68e5	52.1	4.2	1.07	bb
5	210319D1_6	200	1.63	NO	29.44	1.001	6.51e5	2.85e5	223	11.6	1.14	bb
6	210319D1_7	1500	1.58	NO	29.44	1.001	4.36e6	2.86e5	1490	-0.7	1.02	bb

**Compound name: 2,3,4,7,8-PeCDF**

Response Factor: 1.17385  
RRF SD: 0.0588588, Relative SD: 5.01417  
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	210319D1_2	1.25	1.70	NO	30.42	1.001	2.99e3	2.11e5	1.20	-3.7	1.13	MM
2	210319D1_3	2.50	1.67	NO	30.42	1.000	6.65e3	2.23e5	2.55	1.8	1.20	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	210319D1_4	10.0	1.62	NO	30.44	1.001	2.66e4	2.40e5	9.46	-5.4	1.11	bb
4	210319D1_5	50.0	1.63	NO	30.42	1.000	1.49e5	2.52e5	50.2	0.4	1.18	bb
5	210319D1_6	200	1.60	NO	30.42	1.000	7.02e5	2.75e5	217	8.7	1.28	bb
6	210319D1_7	1500	1.59	NO	30.42	1.001	4.57e6	2.64e5	1470	-1.8	1.15	bb

**Compound name: 1,2,3,4,7,8-HxCDF**

Response Factor: 1.13803

RRF SD: 0.0589389, Relative SD: 5.17903

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	210319D1_2	1.25	1.11	NO	33.01	1.001	2.70e3	1.92e5	1.24	-1.0	1.13	MM
2	210319D1_3	2.50	1.20	NO	33.01	1.000	5.75e3	2.02e5	2.50	-0.2	1.14	MM
3	210319D1_4	10.0	1.24	NO	33.03	1.000	2.30e4	2.13e5	9.49	-5.1	1.08	bd
4	210319D1_5	50.0	1.24	NO	33.03	1.001	1.30e5	2.23e5	51.3	2.6	1.17	bd
5	210319D1_6	200	1.23	NO	33.00	1.000	6.07e5	2.45e5	217	8.7	1.24	bd
6	210319D1_7	1500	1.23	NO	33.03	1.000	4.00e6	2.47e5	1420	-5.0	1.08	bd

**Compound name: 1,2,3,6,7,8-HxCDF**

Response Factor: 1.04193

RRF SD: 0.0457486, Relative SD: 4.39074

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	210319D1_2	1.25	1.34	NO	33.15	1.001	2.73e3	2.16e5	1.21	-3.2	1.01	MM
2	210319D1_3	2.50	1.26	NO	33.15	1.000	5.64e3	2.26e5	2.40	-4.0	1.00	MM
3	210319D1_4	10.0	1.24	NO	33.16	1.000	2.45e4	2.41e5	9.76	-2.4	1.02	db
4	210319D1_5	50.0	1.22	NO	33.16	1.000	1.35e5	2.53e5	51.3	2.6	1.07	db
5	210319D1_6	200	1.23	NO	33.15	1.001	6.28e5	2.80e5	215	7.6	1.12	db
6	210319D1_7	1500	1.22	NO	33.17	1.000	4.14e6	2.67e5	1490	-0.6	1.04	db

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**Compound name: 2,3,4,6,7,8-HxCDF**

Response Factor: 1.12812

RRF SD: 0.0559459, Relative SD: 4.95924

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	210319D1_2	1.25	1.17	NO	33.80	1.001	2.63e3	1.89e5	1.24	-1.1	1.12	bb
2	210319D1_3	2.50	1.26	NO	33.80	1.000	5.46e3	1.98e5	2.44	-2.2	1.10	bb
3	210319D1_4	10.0	1.27	NO	33.81	1.000	2.31e4	2.10e5	9.73	-2.7	1.10	bb
4	210319D1_5	50.0	1.23	NO	33.80	1.000	1.28e5	2.27e5	50.1	0.3	1.13	bb
5	210319D1_6	200	1.22	NO	33.80	1.001	6.07e5	2.45e5	219	9.7	1.24	bb
6	210319D1_7	1500	1.22	NO	33.83	1.001	3.97e6	2.44e5	1440	-3.9	1.08	bb

**Compound name: 1,2,3,7,8,9-HxCDF**

Response Factor: 1.07482

RRF SD: 0.0584843, Relative SD: 5.44132

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	210319D1_2	1.25	1.19	NO	34.81	1.001	2.25e3	1.63e5	1.29	2.9	1.11	MM
2	210319D1_3	2.50	1.25	NO	34.86	1.001	4.57e3	1.77e5	2.40	-3.9	1.03	MM
3	210319D1_4	10.0	1.22	NO	34.83	1.001	1.95e4	1.92e5	9.44	-5.6	1.01	MM
4	210319D1_5	50.0	1.24	NO	34.80	1.000	1.09e5	2.00e5	50.5	1.1	1.09	bb
5	210319D1_6	200	1.24	NO	34.81	1.001	5.31e5	2.27e5	218	9.0	1.17	bb
6	210319D1_7	1500	1.23	NO	34.81	1.001	3.60e6	2.31e5	1450	-3.4	1.04	bb

**Compound name: 1,2,3,4,6,7,8-HpCDF**

Response Factor: 1.11458

RRF SD: 0.0659812, Relative SD: 5.91982

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	210319D1_2	1.25	0.96	NO	36.46	1.000	1.98e3	1.52e5	1.17	-6.4	1.04	MM
2	210319D1_3	2.50	1.03	NO	36.53	1.001	4.61e3	1.62e5	2.56	2.2	1.14	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	210319D1_4	10.0	1.02	NO	36.47	1.000	1.85e4	1.74e5	9.55	-4.5	1.06	bb
4	210319D1_5	50.0	1.01	NO	36.46	1.000	1.04e5	1.87e5	50.1	0.2	1.12	bb
5	210319D1_6	200	1.02	NO	36.46	1.001	5.04e5	2.05e5	221	10.3	1.23	bb
6	210319D1_7	1500	1.01	NO	36.48	1.000	3.39e6	2.07e5	1470	-1.9	1.09	bb

**Compound name: 1,2,3,4,7,8,9-HpCDF**

Response Factor: 1.31538

RRF SD: 0.0551306, Relative SD: 4.19123

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	210319D1_2	1.25	1.03	NO	38.52	1.001	1.76e3	1.07e5	1.24	-0.6	1.31	MM
2	210319D1_3	2.50	0.99	NO	38.50	1.000	3.80e3	1.18e5	2.46	-1.8	1.29	bb
3	210319D1_4	10.0	1.04	NO	38.50	1.000	1.59e4	1.22e5	9.92	-0.8	1.30	bd
4	210319D1_5	50.0	1.04	NO	38.47	1.000	8.91e4	1.38e5	49.2	-1.5	1.30	bb
5	210319D1_6	200	1.01	NO	38.47	1.000	4.53e5	1.59e5	217	8.3	1.42	bb
6	210319D1_7	1500	1.02	NO	38.48	1.000	3.05e6	1.60e5	1450	-3.6	1.27	bb

**Compound name: OCDF**

Response Factor: 0.930971

RRF SD: 0.0520998, Relative SD: 5.59628

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	210319D1_2	2.50	0.90	NO	41.56	1.000	3.09e3	2.50e5	2.65	6.2	0.988	MM
2	210319D1_3	5.00	0.87	NO	41.45	1.000	6.53e3	2.85e5	4.93	-1.5	0.917	bb
3	210319D1_4	20.0	0.88	NO	41.45	1.000	2.65e4	3.04e5	18.7	-6.3	0.872	bb
4	210319D1_5	100	0.91	NO	41.44	1.000	1.49e5	3.27e5	98.1	-1.9	0.913	bd
5	210319D1_6	400	0.88	NO	41.43	1.000	7.66e5	3.83e5	430	7.5	1.00	bb
6	210319D1_7	3000	0.90	NO	41.46	1.000	5.40e6	4.03e5	2880	-4.0	0.894	bb

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**Compound name: 13C-2,3,7,8-TCDD**

Response Factor: 1.20259

RRF SD: 0.0330709, Relative SD: 2.74997

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	210319D1_2	100	0.76	NO	26.10	1.027	2.06e5	1.74e5	98.3	-1.7	1.18	bb
2	210319D1_3	100	0.81	NO	26.11	1.028	2.23e5	1.85e5	101	0.6	1.21	bd
3	210319D1_4	100	0.77	NO	26.10	1.027	2.30e5	1.94e5	98.7	-1.3	1.19	bb
4	210319D1_5	100	0.76	NO	26.11	1.028	2.37e5	2.04e5	96.4	-3.6	1.16	bb
5	210319D1_6	100	0.77	NO	26.11	1.027	2.54e5	2.07e5	102	1.9	1.23	bb
6	210319D1_7	100	0.75	NO	26.11	1.028	2.33e5	1.86e5	104	4.0	1.25	bb

**Compound name: 13C-1,2,3,7,8-PeCDD**

Response Factor: 0.863696

RRF SD: 0.0572945, Relative SD: 6.63365

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	210319D1_2	100	0.63	NO	30.62	1.205	1.44e5	1.74e5	95.9	-4.1	0.829	bb
2	210319D1_3	100	0.62	NO	30.62	1.205	1.51e5	1.85e5	95.0	-5.0	0.820	bb
3	210319D1_4	100	0.58	NO	30.62	1.205	1.62e5	1.94e5	96.7	-3.3	0.835	bb
4	210319D1_5	100	0.61	NO	30.62	1.205	1.73e5	2.04e5	98.0	-2.0	0.846	bb
5	210319D1_6	100	0.61	NO	30.62	1.204	1.82e5	2.07e5	102	1.7	0.879	bb
6	210319D1_7	100	0.62	NO	30.62	1.205	1.81e5	1.86e5	113	12.7	0.973	bb

**Compound name: 13C-1,2,3,4,7,8-HxCDD**

Response Factor: 0.599725

RRF SD: 0.0280229, Relative SD: 4.67262

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	210319D1_2	100	1.31	NO	33.89	1.014	1.18e5	1.98e5	98.8	-1.2	0.593	bd
2	210319D1_3	100	1.30	NO	33.90	1.014	1.23e5	2.14e5	96.0	-4.0	0.576	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	210319D1_4	100	1.28	NO	33.91	1.014	1.33e5	2.24e5	99.0	-1.0	0.594	bd
4	210319D1_5	100	1.26	NO	33.90	1.014	1.39e5	2.40e5	96.2	-3.8	0.577	bd
5	210319D1_6	100	1.25	NO	33.90	1.014	1.56e5	2.56e5	101	1.3	0.607	bd
6	210319D1_7	100	1.26	NO	33.92	1.014	1.52e5	2.33e5	109	8.7	0.652	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDD**

Response Factor: 0.674048

RRF SD: 0.0302711, Relative SD: 4.49095

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	210319D1_2	100	1.29	NO	34.01	1.017	1.32e5	1.98e5	98.5	-1.5	0.664	db
2	210319D1_3	100	1.23	NO	34.02	1.018	1.39e5	2.14e5	96.2	-3.8	0.649	db
3	210319D1_4	100	1.27	NO	34.03	1.017	1.49e5	2.24e5	98.5	-1.5	0.664	db
4	210319D1_5	100	1.28	NO	34.05	1.018	1.58e5	2.40e5	97.9	-2.1	0.660	db
5	210319D1_6	100	1.25	NO	34.02	1.017	1.73e5	2.56e5	100	-0.0	0.674	db
6	210319D1_7	100	1.31	NO	34.03	1.017	1.71e5	2.33e5	109	8.8	0.734	db

**Compound name: 13C-1,2,3,7,8,9-HxCDD**

Response Factor: 0.678784

RRF SD: 0.043541, Relative SD: 6.41456

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	210319D1_2	100	1.22	NO	34.30	1.026	1.29e5	1.98e5	95.9	-4.1	0.651	bb
2	210319D1_3	100	1.23	NO	34.32	1.027	1.38e5	2.14e5	95.1	-4.9	0.646	bb
3	210319D1_4	100	1.29	NO	34.31	1.026	1.49e5	2.24e5	97.7	-2.3	0.663	bb
4	210319D1_5	100	1.32	NO	34.31	1.026	1.60e5	2.40e5	98.2	-1.8	0.666	bd
5	210319D1_6	100	1.25	NO	34.31	1.026	1.75e5	2.56e5	101	0.7	0.683	bb
6	210319D1_7	100	1.28	NO	34.32	1.026	1.78e5	2.33e5	112	12.5	0.763	bb

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

Response Factor: 0.558046

RRF SD: 0.0394278, Relative SD: 7.06535

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	210319D1_2	100	1.09	NO	37.83	1.132	1.03e5	1.98e5	93.3	-6.7	0.521	bd
2	210319D1_3	100	1.08	NO	37.88	1.133	1.14e5	2.14e5	95.4	-4.6	0.532	bd
3	210319D1_4	100	1.09	NO	37.84	1.131	1.21e5	2.24e5	96.9	-3.1	0.540	bd
4	210319D1_5	100	1.03	NO	37.81	1.131	1.31e5	2.40e5	97.9	-2.1	0.546	bb
5	210319D1_6	100	1.05	NO	37.79	1.130	1.49e5	2.56e5	104	4.3	0.582	bb
6	210319D1_7	100	1.07	NO	37.83	1.130	1.46e5	2.33e5	112	12.3	0.626	bb

**Compound name: 13C-OCDD**

Response Factor: 0.496012

RRF SD: 0.0491462, Relative SD: 9.90826

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	210319D1_2	200	0.90	NO	41.15	1.231	1.77e5	1.98e5	180	-10.2	0.445	bd
2	210319D1_3	200	0.88	NO	41.16	1.231	1.98e5	2.14e5	186	-6.9	0.462	bb
3	210319D1_4	200	0.89	NO	41.11	1.229	2.16e5	2.24e5	194	-3.0	0.481	bb
4	210319D1_5	200	0.88	NO	41.08	1.228	2.34e5	2.40e5	197	-1.7	0.488	bb
5	210319D1_6	200	0.88	NO	41.15	1.230	2.65e5	2.56e5	208	4.2	0.517	bb
6	210319D1_7	200	0.88	NO	41.15	1.230	2.72e5	2.33e5	235	17.6	0.583	bb

**Compound name: 13C-2,3,7,8-TCDF**

Response Factor: 1.02573

RRF SD: 0.0322633, Relative SD: 3.14541

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	210319D1_2	100	0.72	NO	25.44	1.001	2.95e5	3.00e5	95.9	-4.1	0.984	bb
2	210319D1_3	100	0.73	NO	25.42	1.001	3.18e5	3.15e5	98.5	-1.5	1.01	bb

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

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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	210319D1_4	100	0.75	NO	25.42	1.001	3.49e5	3.27e5	104	3.9	1.07	bb
4	210319D1_5	100	0.77	NO	25.42	1.001	3.50e5	3.49e5	97.6	-2.4	1.00	bb
5	210319D1_6	100	0.76	NO	25.44	1.001	3.62e5	3.49e5	101	1.2	1.04	bb
6	210319D1_7	100	0.77	NO	25.42	1.001	3.34e5	3.16e5	103	2.8	1.05	bb

**Compound name: 13C-1,2,3,7,8-PeCDF**

Response Factor: 0.805345  
RRF SD: 0.052476, Relative SD: 6.51596  
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	210319D1_2	100	1.60	NO	29.42	1.158	2.32e5	3.00e5	95.9	-4.1	0.772	bb
2	210319D1_3	100	1.57	NO	29.44	1.158	2.44e5	3.15e5	96.1	-3.9	0.774	bb
3	210319D1_4	100	1.62	NO	29.44	1.158	2.60e5	3.27e5	98.8	-1.2	0.796	dd
4	210319D1_5	100	1.60	NO	29.42	1.158	2.68e5	3.49e5	95.3	-4.7	0.767	bb
5	210319D1_6	100	1.55	NO	29.42	1.157	2.85e5	3.49e5	102	1.6	0.818	bb
6	210319D1_7	100	1.64	NO	29.42	1.158	2.86e5	3.16e5	112	12.4	0.905	bb

**Compound name: 13C-2,3,4,7,8-PeCDF**

Response Factor: 0.748204  
RRF SD: 0.0523073, Relative SD: 6.99105  
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	210319D1_2	100	1.60	NO	30.40	1.197	2.11e5	3.00e5	94.2	-5.8	0.705	bb
2	210319D1_3	100	1.58	NO	30.42	1.197	2.23e5	3.15e5	94.5	-5.5	0.707	bb
3	210319D1_4	100	1.56	NO	30.42	1.197	2.40e5	3.27e5	97.8	-2.2	0.732	bb
4	210319D1_5	100	1.60	NO	30.42	1.197	2.52e5	3.49e5	96.5	-3.5	0.722	bb
5	210319D1_6	100	1.59	NO	30.42	1.197	2.75e5	3.49e5	105	5.3	0.788	bb
6	210319D1_7	100	1.57	NO	30.40	1.197	2.64e5	3.16e5	112	11.6	0.835	bb

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

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

Response Factor: 0.968327

RRF SD: 0.0470169, Relative SD: 4.85548

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	210319D1_2	100	0.51	NO	32.99	0.987	1.92e5	1.98e5	99.8	-0.2	0.966	bd
2	210319D1_3	100	0.51	NO	33.00	0.987	2.02e5	2.14e5	97.5	-2.5	0.944	bd
3	210319D1_4	100	0.52	NO	33.01	0.987	2.13e5	2.24e5	98.1	-1.9	0.950	bd
4	210319D1_5	100	0.52	NO	33.00	0.987	2.23e5	2.40e5	96.1	-3.9	0.931	bd
5	210319D1_6	100	0.50	NO	32.99	0.987	2.45e5	2.56e5	99.0	-1.0	0.958	bd
6	210319D1_7	100	0.52	NO	33.01	0.987	2.47e5	2.33e5	110	9.6	1.06	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDF**

Response Factor: 1.08486

RRF SD: 0.0348128, Relative SD: 3.20896

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	210319D1_2	100	0.49	NO	33.12	0.991	2.16e5	1.98e5	101	0.5	1.09	db
2	210319D1_3	100	0.50	NO	33.13	0.991	2.26e5	2.14e5	97.1	-2.9	1.05	db
3	210319D1_4	100	0.52	NO	33.15	0.991	2.41e5	2.24e5	98.8	-1.2	1.07	db
4	210319D1_5	100	0.51	NO	33.15	0.991	2.53e5	2.40e5	97.0	-3.0	1.05	db
5	210319D1_6	100	0.52	NO	33.12	0.990	2.80e5	2.56e5	101	0.8	1.09	db
6	210319D1_7	100	0.51	NO	33.16	0.991	2.67e5	2.33e5	106	5.7	1.15	MM

**Compound name: 13C-2,3,4,6,7,8-HxCDF**

Response Factor: 0.960269

RRF SD: 0.0445285, Relative SD: 4.63708

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	210319D1_2	100	0.50	NO	33.78	1.010	1.89e5	1.98e5	99.0	-1.0	0.951	bd
2	210319D1_3	100	0.50	NO	33.79	1.011	1.98e5	2.14e5	96.2	-3.8	0.923	bb

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Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

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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	210319D1_4	100	0.52	NO	33.80	1.010	2.10e5	2.24e5	97.5	-2.5	0.936	bb
4	210319D1_5	100	0.50	NO	33.79	1.010	2.27e5	2.40e5	98.5	-1.5	0.946	bb
5	210319D1_6	100	0.53	NO	33.78	1.010	2.45e5	2.56e5	99.6	-0.4	0.957	bb
6	210319D1_7	100	0.51	NO	33.80	1.010	2.44e5	2.33e5	109	9.1	1.05	bb

**Compound name: 13C-1,2,3,7,8,9-HxCDF**

Response Factor: 0.869204

RRF SD: 0.0646475, Relative SD: 7.43756

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	210319D1_2	100	0.50	NO	34.79	1.041	1.63e5	1.98e5	94.5	-5.5	0.821	bd
2	210319D1_3	100	0.50	NO	34.83	1.042	1.77e5	2.14e5	95.0	-5.0	0.826	bd
3	210319D1_4	100	0.50	NO	34.80	1.040	1.92e5	2.24e5	98.5	-1.5	0.856	bd
4	210319D1_5	100	0.51	NO	34.79	1.040	2.00e5	2.40e5	96.1	-3.9	0.835	bd
5	210319D1_6	100	0.51	NO	34.79	1.040	2.27e5	2.56e5	102	1.8	0.885	bb
6	210319D1_7	100	0.51	NO	34.79	1.040	2.31e5	2.33e5	114	14.2	0.992	bb

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

Response Factor: 0.793942

RRF SD: 0.0485782, Relative SD: 6.1186

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	210319D1_2	100	0.42	NO	36.45	1.090	1.52e5	1.98e5	96.5	-3.5	0.766	bb
2	210319D1_3	100	0.43	NO	36.50	1.092	1.62e5	2.14e5	95.0	-5.0	0.754	bb
3	210319D1_4	100	0.42	NO	36.46	1.090	1.74e5	2.24e5	97.7	-2.3	0.776	bb
4	210319D1_5	100	0.43	NO	36.45	1.090	1.87e5	2.40e5	98.1	-1.9	0.779	bd
5	210319D1_6	100	0.43	NO	36.44	1.090	2.05e5	2.56e5	101	0.8	0.800	bb
6	210319D1_7	100	0.42	NO	36.47	1.090	2.07e5	2.33e5	112	11.9	0.888	bb

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

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**Compound name: 13C-1,2,3,4,7,8,9-HpCDF**

Response Factor: 0.585979  
RRF SD: 0.0579447, Relative SD: 9.88852  
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	210319D1_2	100	0.42	NO	38.50	1.152	1.07e5	1.98e5	92.5	-7.5	0.542	bd
2	210319D1_3	100	0.40	NO	38.48	1.151	1.18e5	2.14e5	93.6	-6.4	0.548	bb
3	210319D1_4	100	0.42	NO	38.49	1.151	1.22e5	2.24e5	92.9	-7.1	0.544	bb
4	210319D1_5	100	0.41	NO	38.46	1.150	1.38e5	2.40e5	97.8	-2.2	0.573	bb
5	210319D1_6	100	0.42	NO	38.46	1.150	1.59e5	2.56e5	106	5.9	0.621	bb
6	210319D1_7	100	0.41	NO	38.47	1.150	1.60e5	2.33e5	117	17.3	0.688	bb

**Compound name: 13C-OCDF**

Response Factor: 0.711091  
RRF SD: 0.0843365, Relative SD: 11.8602  
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	210319D1_2	200	0.88	NO	41.55	1.243	2.50e5	1.98e5	177	-11.3	0.631	bb
2	210319D1_3	200	0.88	NO	41.44	1.240	2.85e5	2.14e5	187	-6.6	0.664	bb
3	210319D1_4	200	0.88	NO	41.44	1.239	3.04e5	2.24e5	191	-4.7	0.678	bb
4	210319D1_5	200	0.90	NO	41.42	1.238	3.27e5	2.40e5	192	-4.1	0.682	bd
5	210319D1_6	200	0.88	NO	41.42	1.238	3.83e5	2.56e5	210	5.0	0.747	bb
6	210319D1_7	200	0.89	NO	41.44	1.238	4.03e5	2.33e5	243	21.6	0.865	bb

**Compound name: 37Cl-2,3,7,8-TCDD**

Response Factor: 1.10683  
RRF SD: 0.123125, Relative SD: 11.1242  
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	210319D1_2	0.250			26.13	1.028	5.42e2	1.74e5	0.282	12.6	1.25	bb
2	210319D1_3	0.500			26.13	1.028	1.08e3	1.85e5	0.530	5.9	1.17	bb

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

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 Printed: Monday, March 22, 2021 15:02:33 Pacific Daylight Time

**Compound name: 37Cl-2,3,7,8-TCDD**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210319D1_4	2.00			26.13	1.028	3.81e3	1.94e5	1.78	-11.2	0.983	bb
4	210319D1_5	10.0			26.13	1.028	1.92e4	2.04e5	8.50	-15.0	0.941	bb
5	210319D1_6	40.0			26.13	1.028	9.97e4	2.07e5	43.4	8.6	1.20	bd
6	210319D1_7	200			26.13	1.028	4.09e5	1.86e5	198	-0.9	1.10	bb

**Compound name: 13C-1,2,3,4-TCDD**

Response Factor: 1

RRF SD: 0, Relative SD: 0

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	210319D1_2	100	0.75	NO	25.41	1.000	1.74e5	1.74e5	100	0.0	1.00	bb
2	210319D1_3	100	0.77	NO	25.41	1.000	1.85e5	1.85e5	100	0.0	1.00	bb
3	210319D1_4	100	0.80	NO	25.41	1.000	1.94e5	1.94e5	100	0.0	1.00	bb
4	210319D1_5	100	0.79	NO	25.41	1.000	2.04e5	2.04e5	100	0.0	1.00	bb
5	210319D1_6	100	0.77	NO	25.42	1.000	2.07e5	2.07e5	100	0.0	1.00	bb
6	210319D1_7	100	0.79	NO	25.41	1.000	1.86e5	1.86e5	100	0.0	1.00	bb

**Compound name: 13C-1,2,3,4-TCDF**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210319D1_2	100	0.77	NO	23.99	1.000	3.00e5	3.00e5	100	0.0	1.00	bb
2	210319D1_3	100	0.77	NO	23.99	1.000	3.15e5	3.15e5	100	0.0	1.00	bb
3	210319D1_4	100	0.76	NO	23.97	1.000	3.27e5	3.27e5	100	0.0	1.00	bb
4	210319D1_5	100	0.79	NO	23.99	1.000	3.49e5	3.49e5	100	0.0	1.00	bb
5	210319D1_6	100	0.78	NO	24.00	1.000	3.49e5	3.49e5	100	0.0	1.00	bb
6	210319D1_7	100	0.79	NO	23.99	1.000	3.16e5	3.16e5	100	0.0	1.00	bb

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Dataset: U:\VG7.PRO\Results\210319D1\210319D1-CRV.qld

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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	210319D1_2	100	0.51	NO	33.43	1.000	1.98e5	1.98e5	100	0.0	1.00	bd
2	210319D1_3	100	0.51	NO	33.43	1.000	2.14e5	2.14e5	100	0.0	1.00	bb
3	210319D1_4	100	0.51	NO	33.45	1.000	2.24e5	2.24e5	100	0.0	1.00	bb
4	210319D1_5	100	0.51	NO	33.44	1.000	2.40e5	2.40e5	100	0.0	1.00	bb
5	210319D1_6	100	0.51	NO	33.44	1.000	2.56e5	2.56e5	100	0.0	1.00	bb
6	210319D1_7	100	0.51	NO	33.46	1.000	2.33e5	2.33e5	100	0.0	1.00	bb



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Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time

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Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt\_3-19-21.mdb 22 Mar 2021 13:57:18  
 Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Compound name: 2,3,7,8-TCDD

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1	210319D1_1	ST210319D1-1 1613 CS0 20H2518	19-Mar-21	06:58:23
2	210319D1_2	ST210319D1-2 1613 CS0 20H2518	19-Mar-21	08:06:08
3	210319D1_3	ST210319D1-3 1613 CS1 20H2519	19-Mar-21	09:06:00
4	210319D1_4	ST210319D1-4 1613 CS2 20H2520	19-Mar-21	09:54:06
5	210319D1_5	ST210319D1-5 1613 CS3 20H2521	19-Mar-21	10:39:15
6	210319D1_6	ST210319D1-6 1613 CS4 20H2522	19-Mar-21	11:25:31
7	210319D1_7	ST210319D1-7 1613 CS5 20H2523	19-Mar-21	12:11:07
8	210319D1_8	SOLVENT BLANK	19-Mar-21	12:57:22
9	210319D1_9	SS210319D1-1 1613 SSS 20H2524	19-Mar-21	13:42:53
10	210319D1_10	TCDF CPSM	19-Mar-21	14:29:12
11	210319D1_11	B1B0188-BS2 OPR 25	19-Mar-21	15:15:27
12	210319D1_12	B1C0065-BS1 OPR 1	19-Mar-21	16:01:42
13	210319D1_13	SOLVENT BLANK	19-Mar-21	16:48:01
14	210319D1_14	B1C0065-BLK1 Method Blank 1	19-Mar-21	17:34:16
15	210319D1_15	2102203-01 WIF LS Inlet Sump-20210211 0.2	19-Mar-21	18:20:31
16	210319D1_16	2102203-03 WWWTPIinfluent 868 Bld 0.05	19-Mar-21	19:06:00
17	210319D1_17	2102203-02 B 108-20210211 0.2	19-Mar-21	19:52:13
18	210319D1_18	2102203-02@10X B 108-20210211 0.2	19-Mar-21	20:38:33

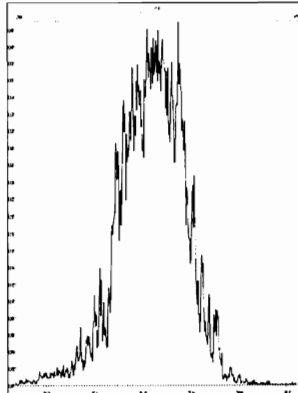
Ⓟ bad injection 122

Ⓟ no end cal; instrument paused, filament out.

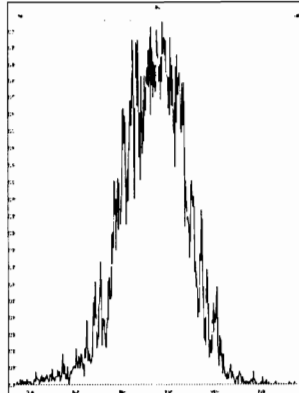
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:00:17 Pacific Daylight Time

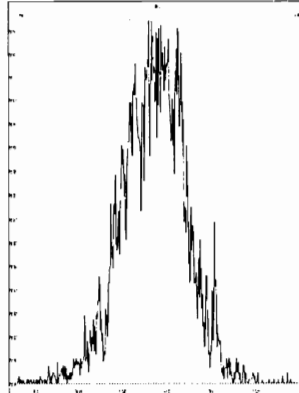
M 292.9824 R 10118



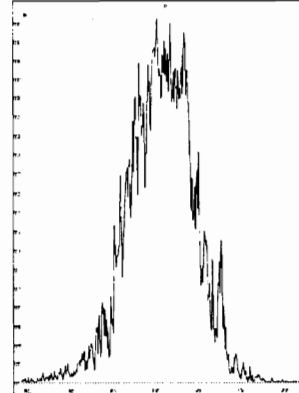
M 304.9824 R 10203



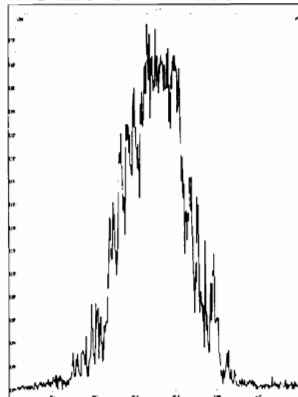
M 318.9792 R 11740



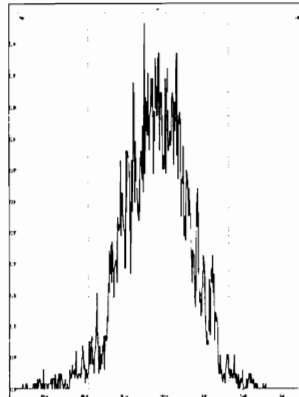
M 330.9792 R 10549



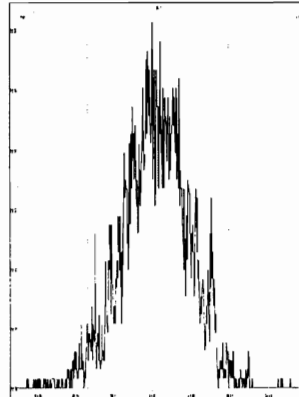
M 342.9792 R 10683



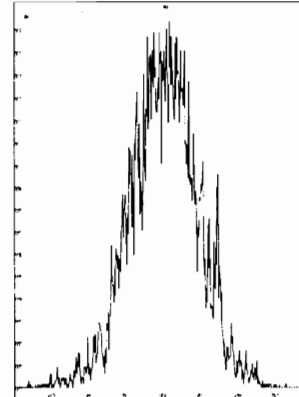
M 354.9792 R 10457



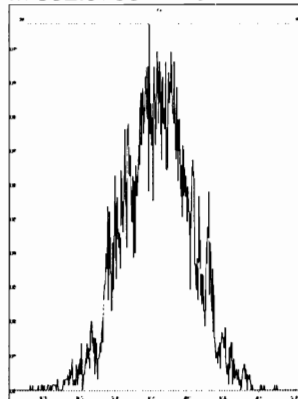
M 366.9792 R 10684



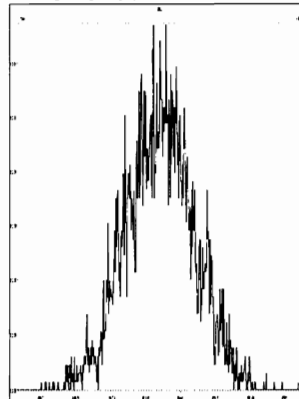
M 380.9760 R 10915



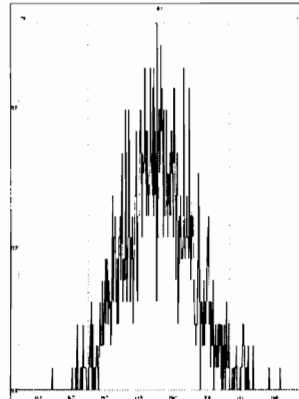
M 392.9760 R 10777



M 404.9760 R 10459



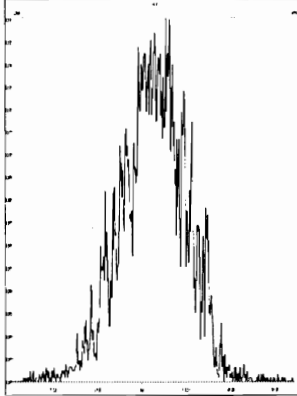
M 416.9760 R 10042



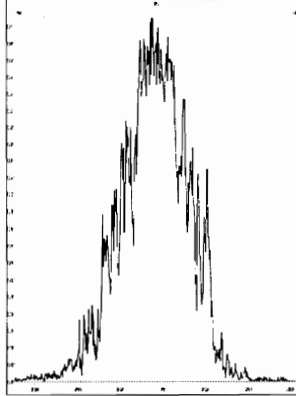
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:01:07 Pacific Daylight Time

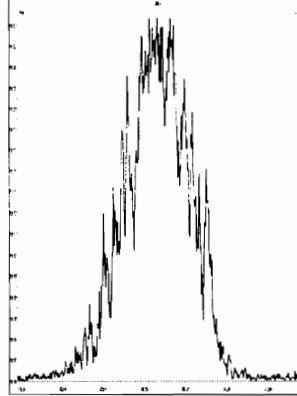
M 318.9792 R 10637



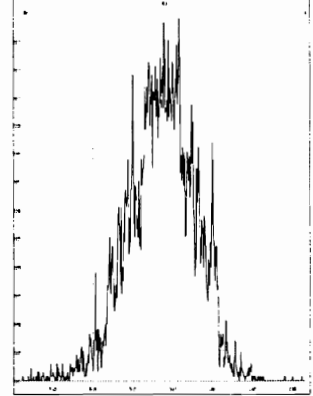
M 330.9792 R 10037



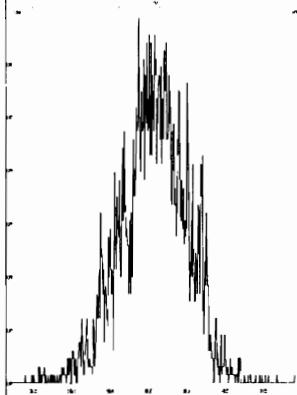
M 342.9792 R 10245



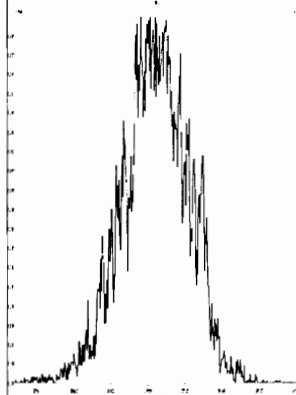
M 354.9792 R 10967



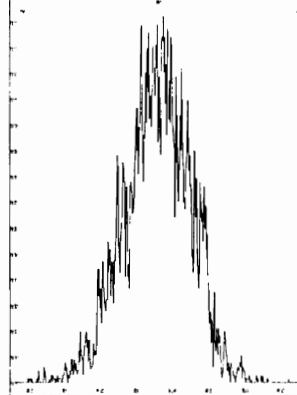
M 366.9792 R 11628



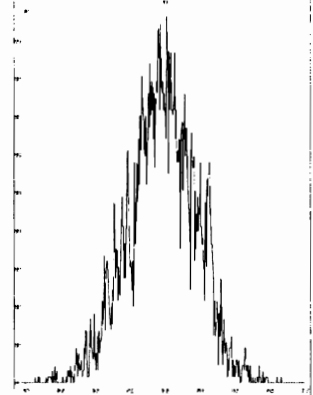
M 380.9760 R 10203



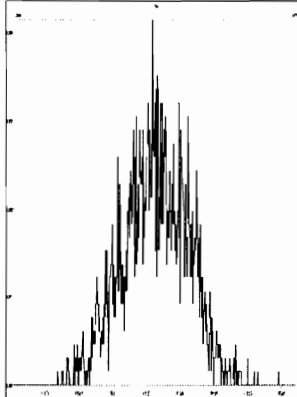
M 392.9760 R 10243



M 404.9760 R 11013



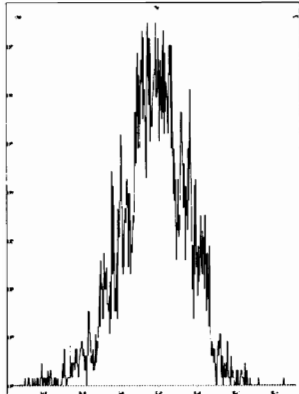
M 416.9760 R 11362



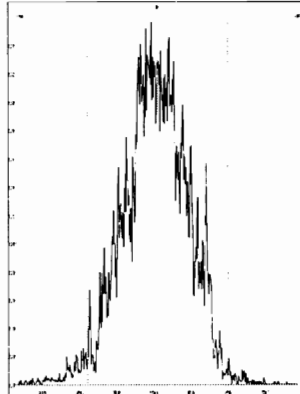
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Printed: Friday, March 19, 2021 08:02:11 Pacific Daylight Time

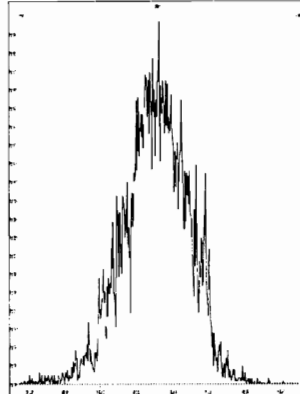
M 366.9792 R 10965



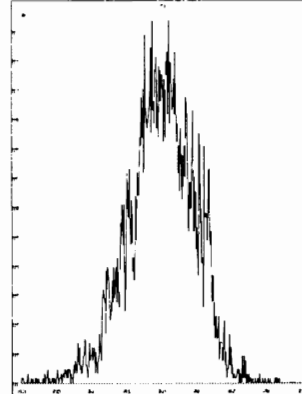
M 380.9760 R 11160



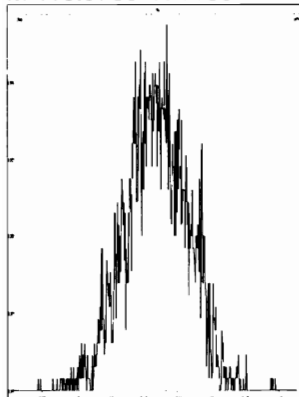
M 392.9760 R 11522



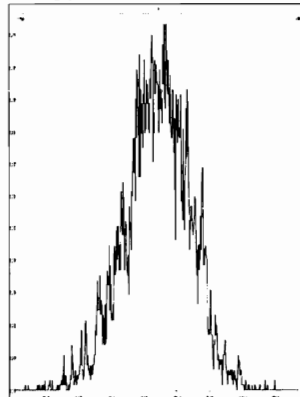
M 404.9760 R 11013



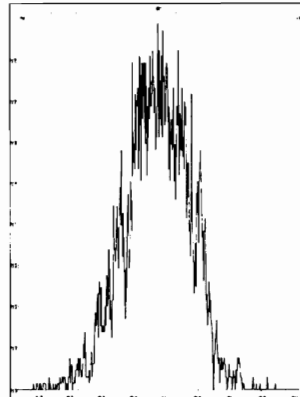
M 416.9760 R 11851



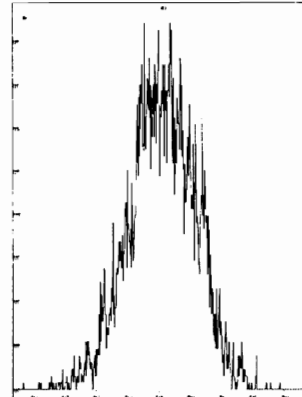
M 430.9728 R 10201



M 442.9728 R 11736



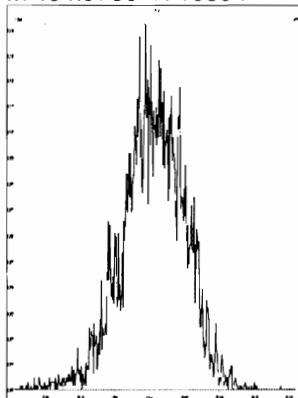
M 454.9728 R 11212



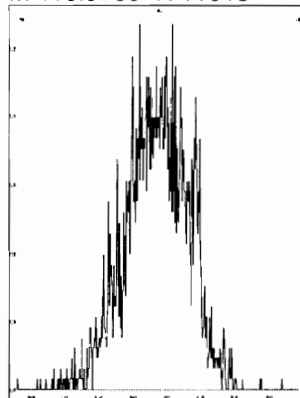
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Printed: Friday, March 19, 2021 08:02:46 Pacific Daylight Time

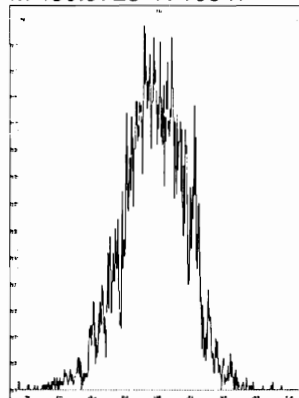
M 404.9760 R 10594



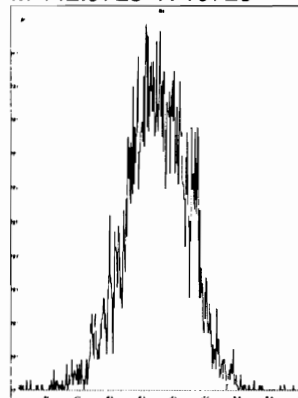
M 416.9760 R 11013



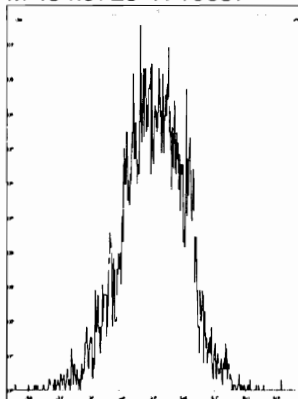
M 430.9728 R 10547



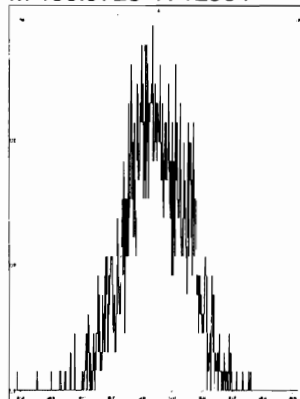
M 442.9728 R 10726



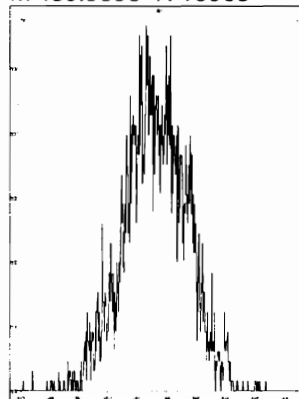
M 454.9728 R 10637



M 466.9728 R 12564



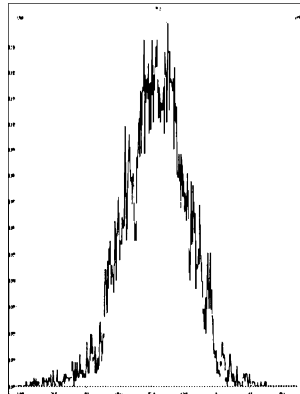
M 480.9696 R 10965



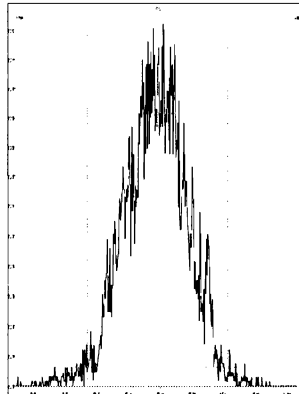
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, March 19, 2021 08:03:28 Pacific Daylight Time

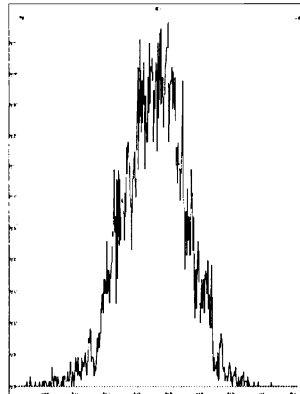
M 430.9728 R 11736



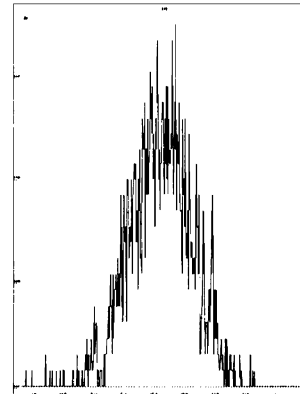
M 442.9728 R 11314



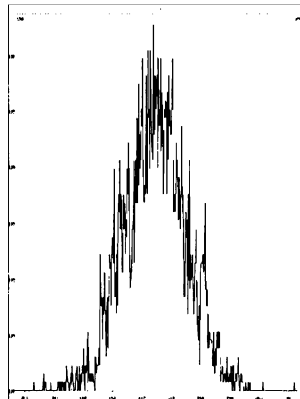
M 454.9728 R 11517



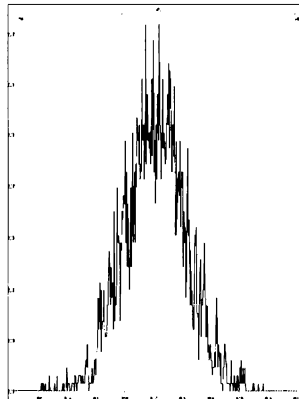
M 466.9728 R 11740



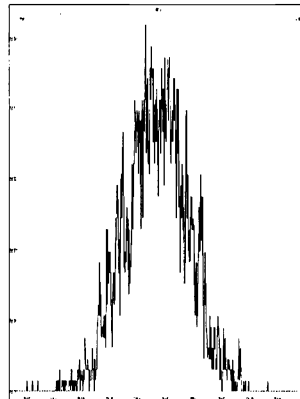
M 480.9696 R 11158



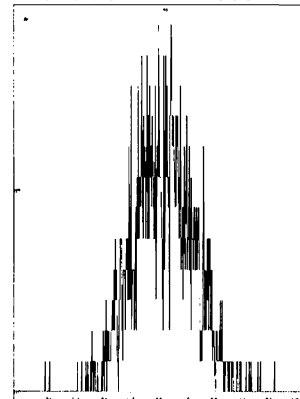
M 492.9696 R 11062



M 504.9696 R 11110



M 516.9697 R 11309



Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:09:06 Pacific Daylight Time

Printed: Monday, March 22, 2021 15:09:21 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\CPSM.mdb 22 Mar 2021 15:09:01

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210319D1\_5, Date: 19-Mar-2021, Time: 10:39:15, ID: ST210319D1-5 1613 CS3 20H2521, Description: 1613 CS3 20H2521

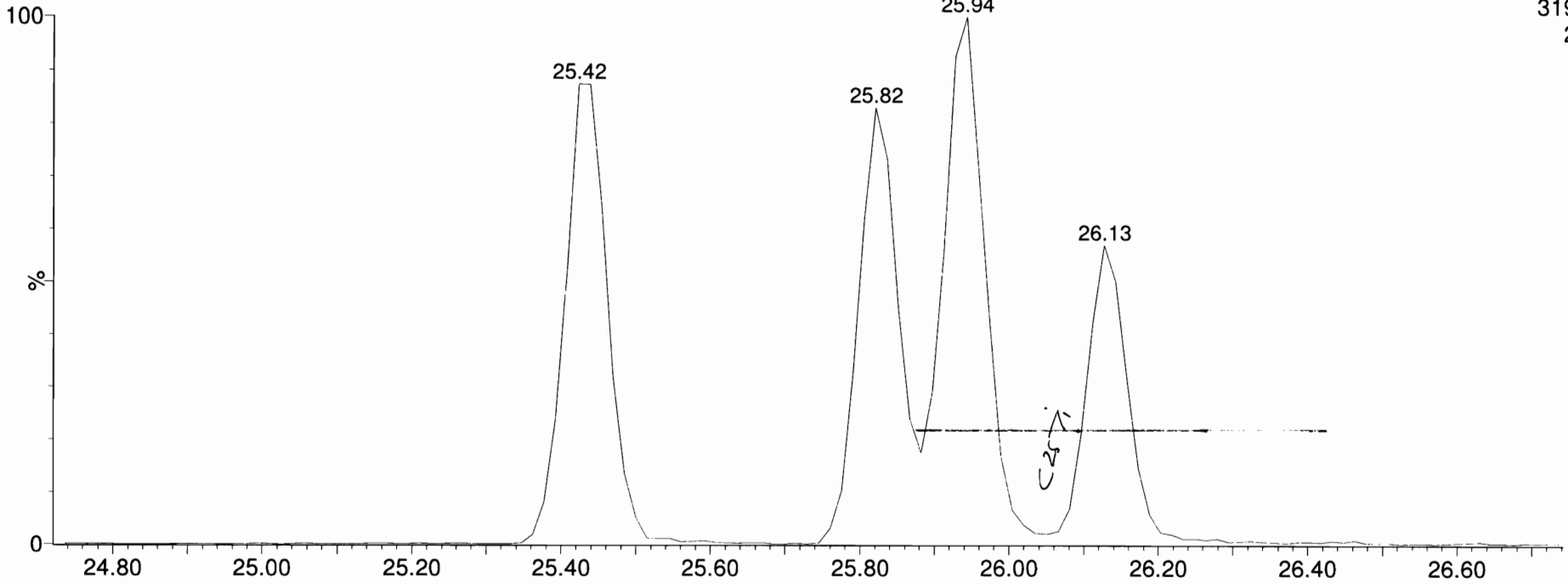
	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.53
2	2 1,2,8,9-TCDD (Last)	26.98
3	3 1,2,4,7,9-PeCDD (First)	28.49
4	4 1,2,3,8,9-PeCDD (Last)	30.99
5	5 1,2,4,6,7,9-HxCDD (First)	32.29
6	6 1,2,3,7,8,9-HxCDD (Last)	34.33
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.84
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.82
9	9 1,3,6,8-TCDF (First)	20.32
10	10 1,2,8,9-TCDF (Last)	27.26
11	11 1,3,4,6,8-PeCDF (First)	26.91
12	12 1,2,3,8,9-PeCDF (Last)	31.31
13	13 1,2,3,4,6,8-HxCDF (First)	31.76
14	14 1,2,3,7,8,9-HxCDF (Last)	34.80
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.46
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.47

210319D1\_5

1: Voltage SIR 15 Channels EI+

319.8965

2.86e5

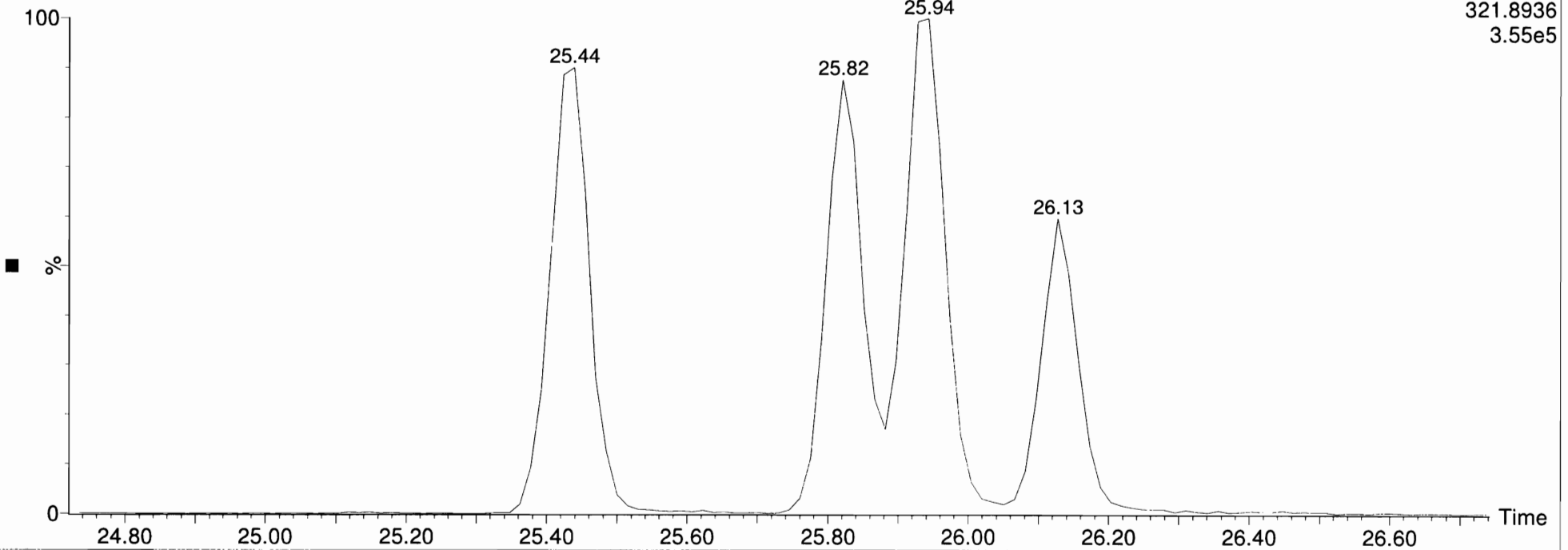


210319D1\_5

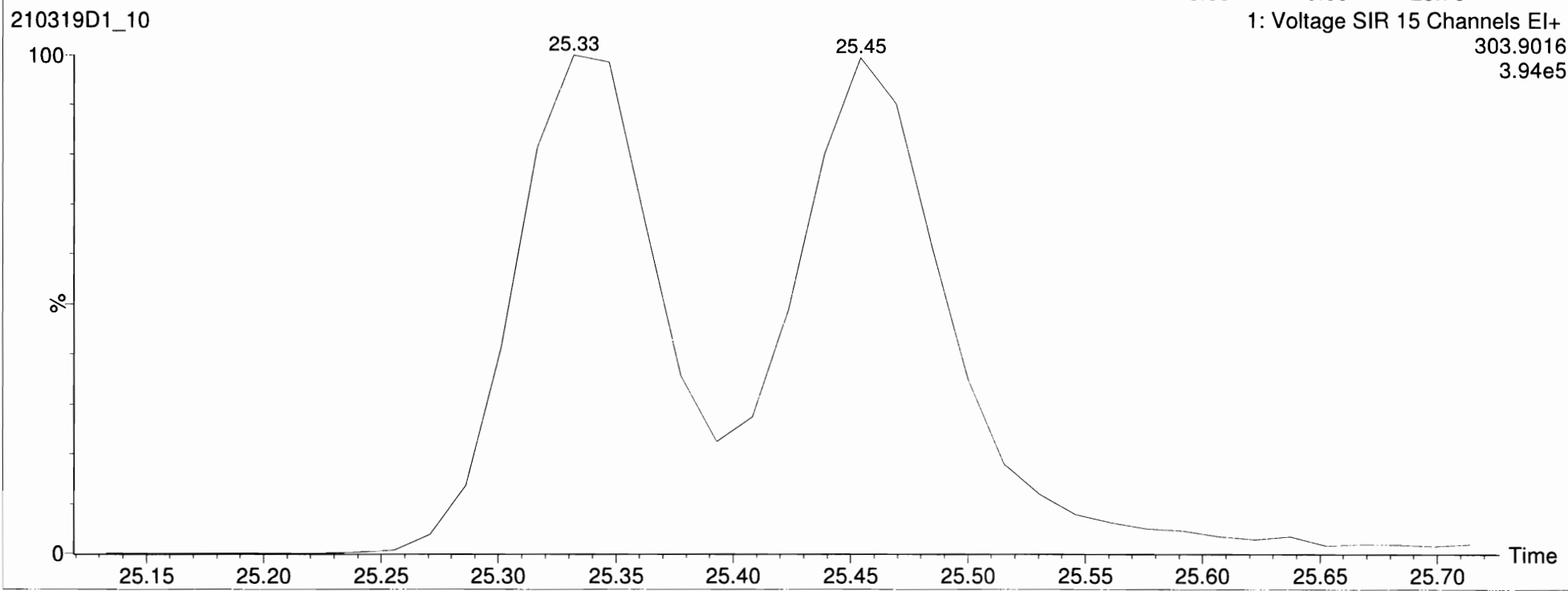
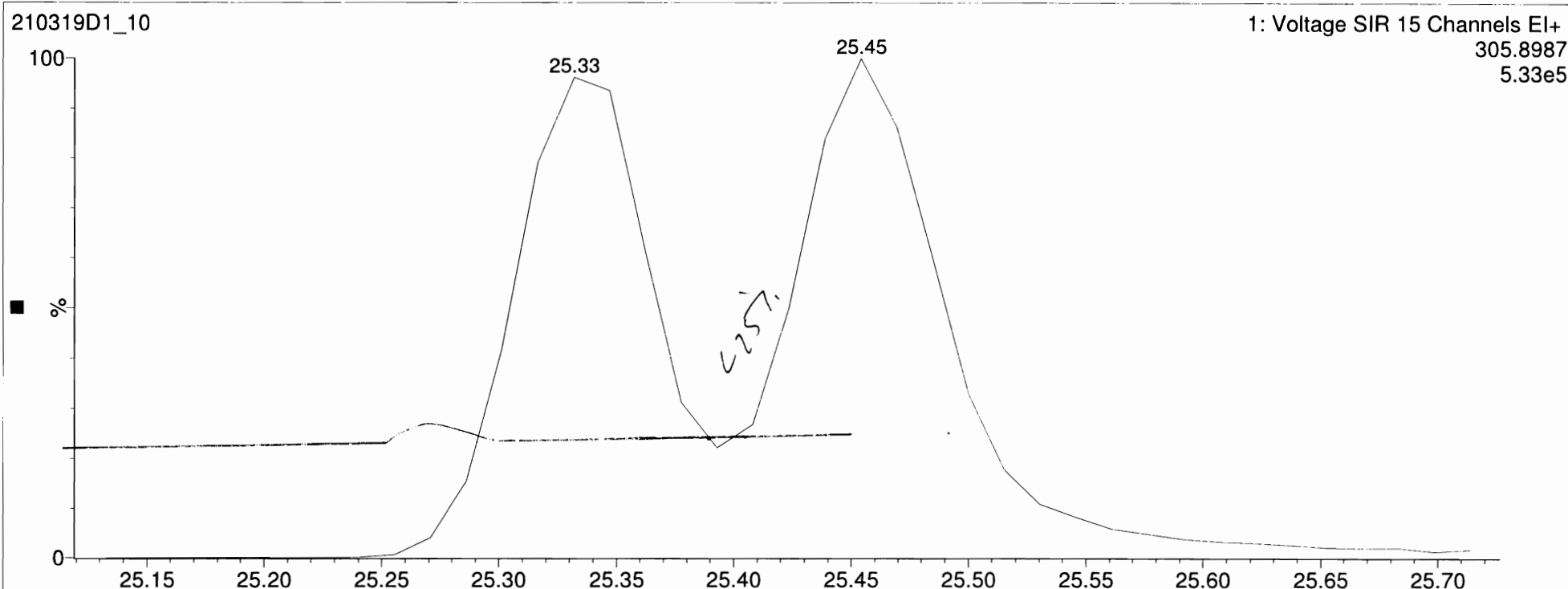
1: Voltage SIR 15 Channels EI+

321.8936

3.55e5







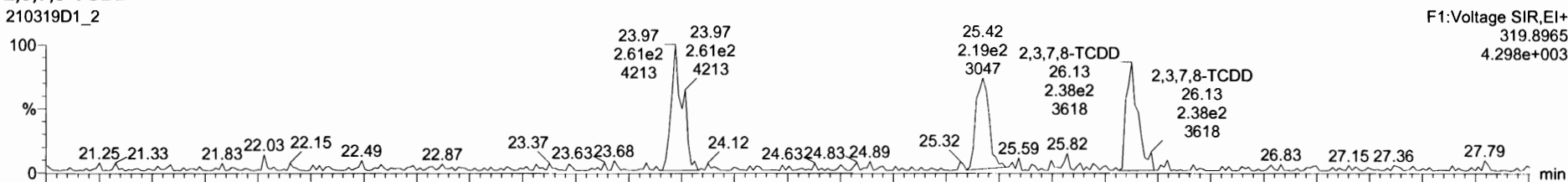
Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

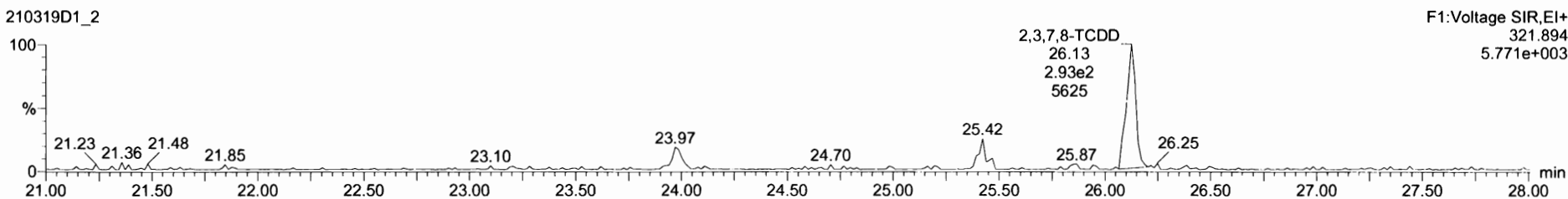
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Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

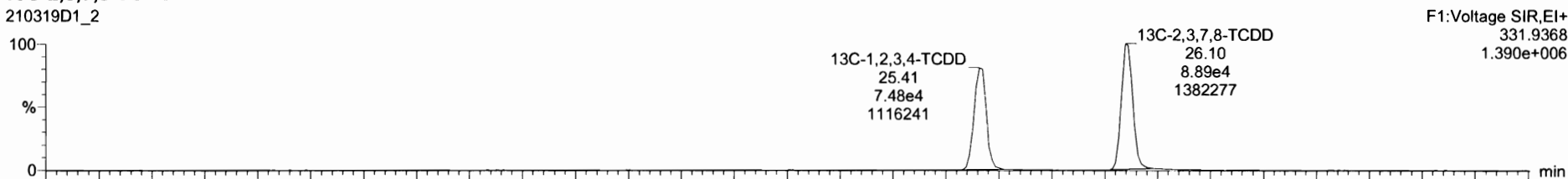
**2,3,7,8-TCDD**  
210319D1\_2



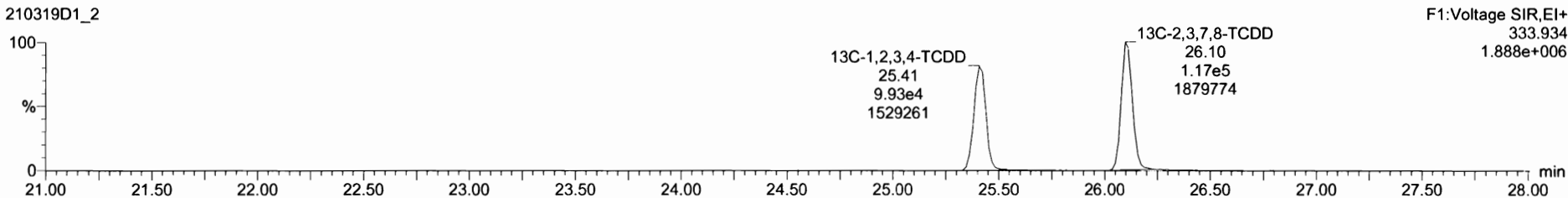
210319D1\_2



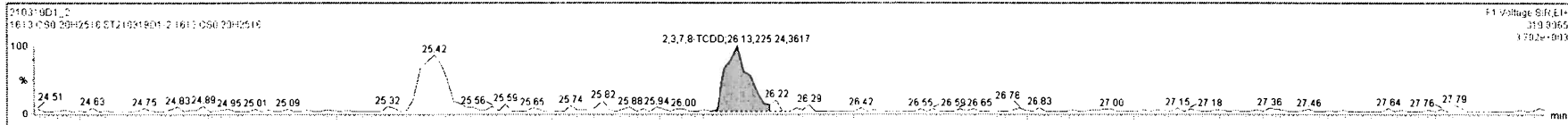
**13C-2,3,7,8-TCDD**  
210319D1\_2



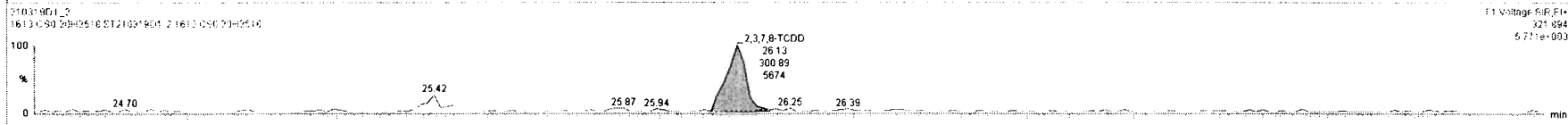
210319D1\_2



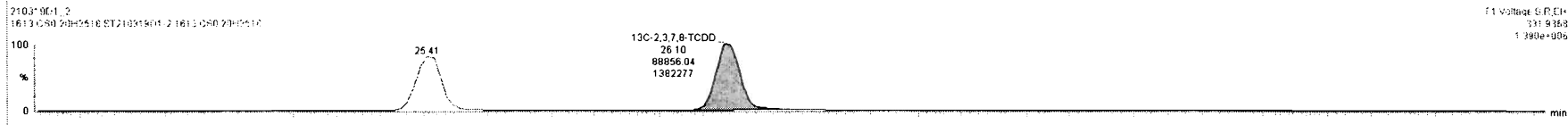
#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	0.9976	1.000	26.13	26.13	1.001	1.001	NO	0.2564	103	0.0332	0.2560
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.8613	1.000	30.64	30.64	1.001	1.001	NO	1.269	102	0.0443	1.269
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.1843	1.000	33.90	33.90	1.000	1.000	NO	1.215	97.2	0.0907	1.215
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.0404	1.000	34.01	34.02	1.000	1.000	NO	1.261	101	0.0923	1.261
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.0593	1.000	34.33	34.30	1.001	1.000	NO	1.247	99.8	0.0987	1.247
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.0602	1.000	37.84	37.86	1.000	1.001	NO	1.331	106	0.161	1.331
7	OCDD	2.10e3	0.92	NO	0.9769	1.000	41.15	41.15	1.000	1.000	NO	2.435	97.4	0.415	2.435
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.9895	1.000	25.46	25.44	1.001	1.000	NO	0.2891	116	0.0239	0.2890
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.0221	1.000	29.44	29.44	1.001	1.001	NO	1.206	96.5	0.0408	1.206
10	1,2,3,4,7,8-HxCDF	2.99e3	1.70	NO	1.1738	1.000	30.43	30.42	1.001	1.001	NO	1.204	96.3	0.0431	1.204
11	1,2,3,4,7,8-HpCDF	2.70e3	1.11	NO	1.1380	1.000	32.99	33.01	1.000	1.001	NO	1.238	99.0	0.0461	1.238
12	1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.0419	1.000	33.13	33.15	1.000	1.001	NO	1.210	96.8	0.0465	1.210
13	2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.1281	1.000	33.82	33.80	1.001	1.001	NO	1.237	98.9	0.0531	1.237
14	1,2,3,7,8,9-HxCDF	2.25e3	1.19	NO	1.0748	1.000	34.79	34.81	1.000	1.001	NO	1.286	103	0.0799	1.286
15	1,2,3,4,6,7,8-HpCDF	1.99e3	0.96	NO	1.1146	1.000	36.48	36.46	1.001	1.000	NO	1.170	93.6	0.0926	1.170



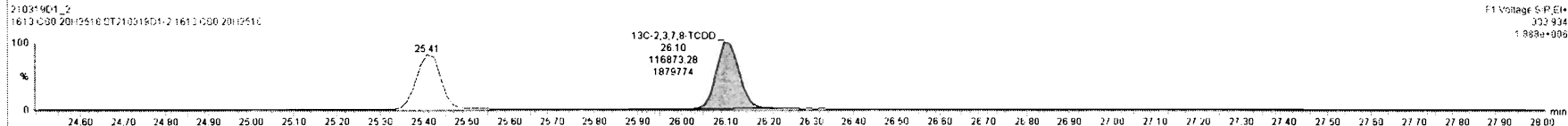
F1 Voltage S-P, E1+  
319.9065  
1.702e-003



F1 Voltage S-P, E1+  
321.894  
5.711e-003



F1 Voltage S-P, E1+  
331.9153  
1.390e+005



F1 Voltage S-P, E1+  
333.934  
1.889e+006

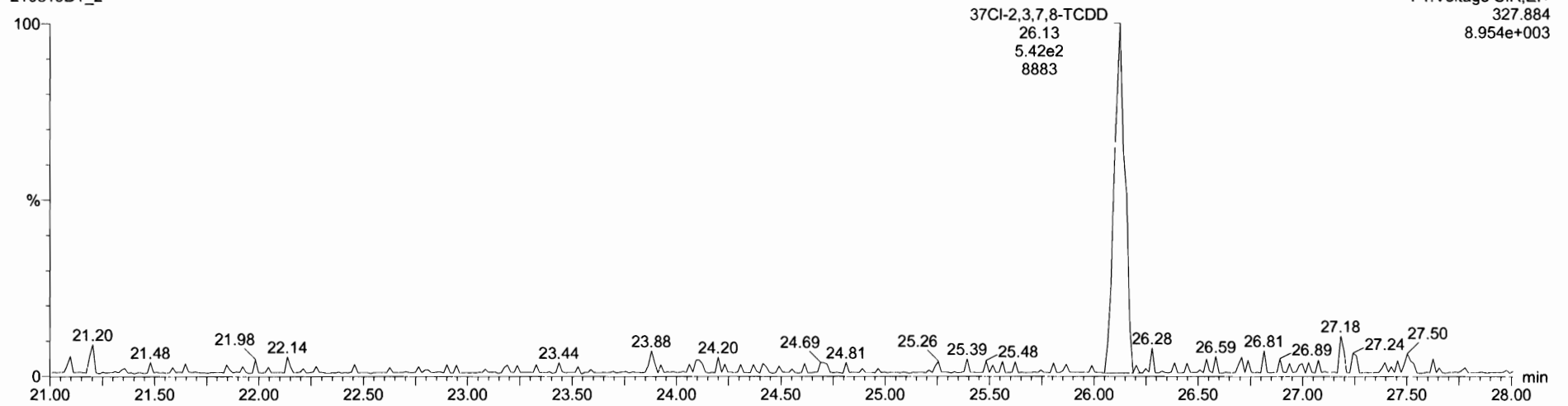
Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

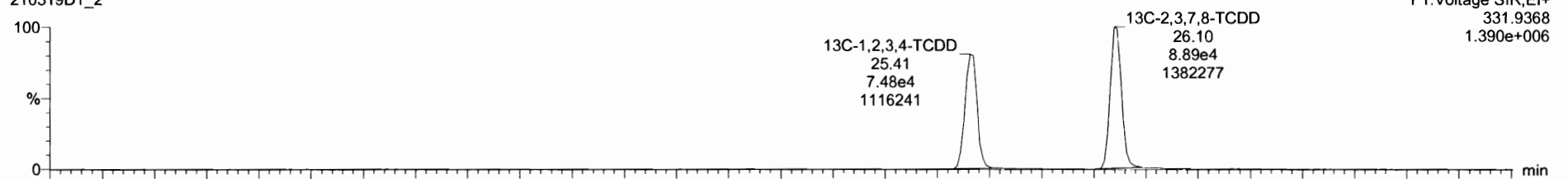
37Cl-2,3,7,8-TCDD

210319D1\_2

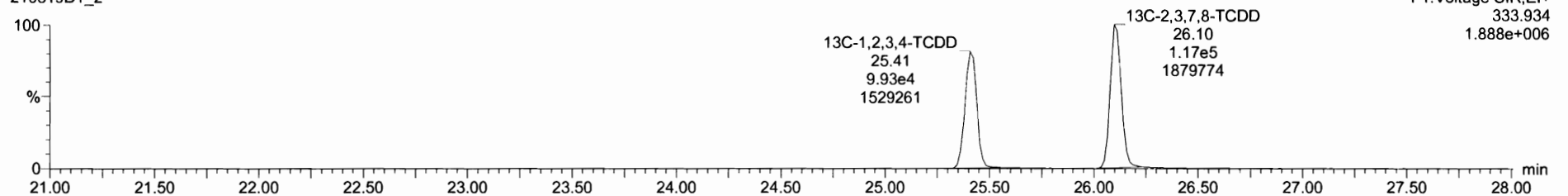


13C-1,2,3,4-TCDD

210319D1\_2



210319D1\_2



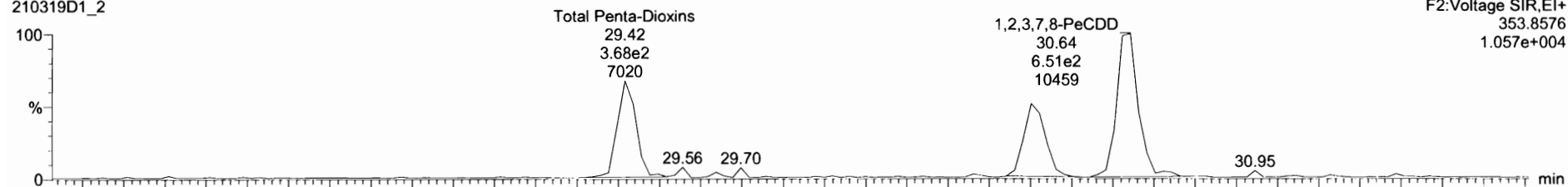
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

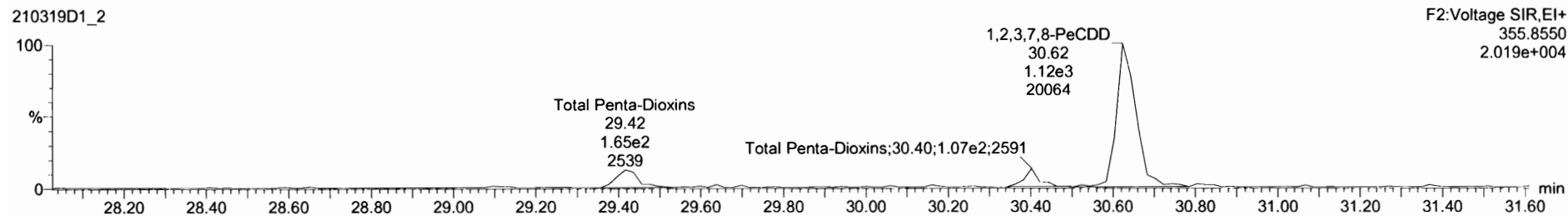
Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

1,2,3,7,8-PeCDD

210319D1\_2

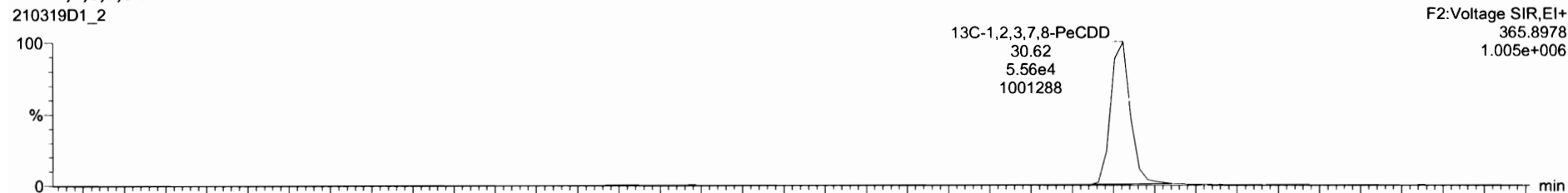


210319D1\_2

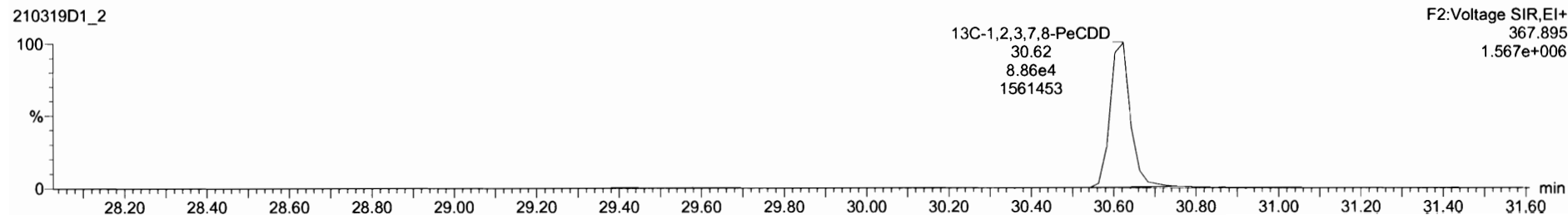


13C-1,2,3,7,8-PeCDD

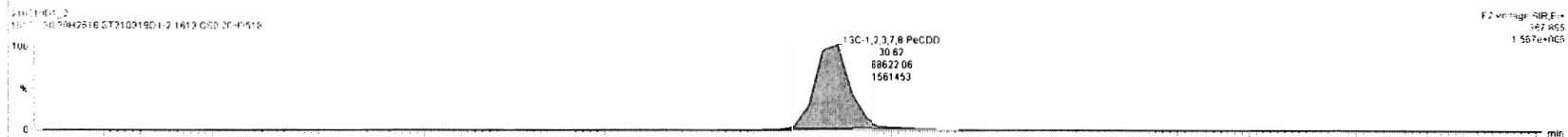
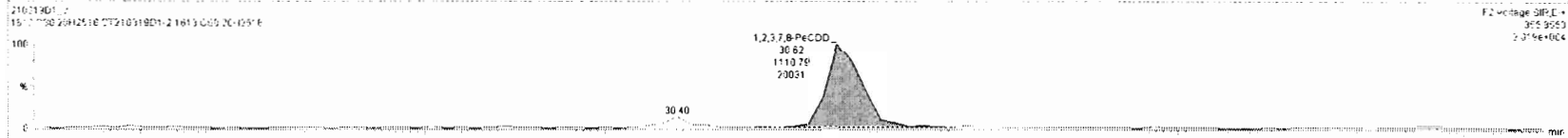
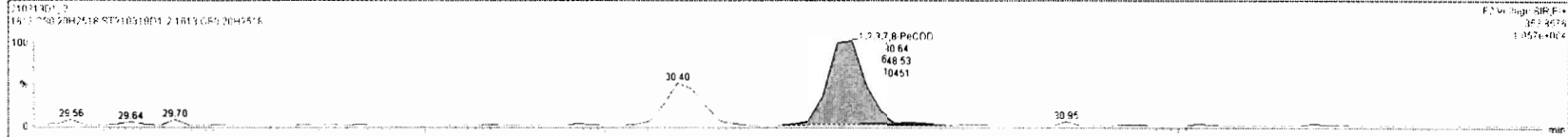
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210319D1\_2



#	Name	Resp	RA	nly	RRF	wt/wt	Prod RT	RT	Prod R	RR	RRT/Fac	Conc	%Rec	IX	EMPC
1	1,2,3,7,8-TCDD	5.26e2	0.75	NO	0.9976	1.000	26.13	26.13	1.001	1.001	NO	0.2564	103	0.0332	0.2560
2	1,2,3,7,8-PeCDD	1.76e3	0.68	NO	0.8613	1.000	30.64	30.64	1.001	1.001	NO	1.2881	102	0.0443	1.289
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.1843	1.000	33.90	33.90	1.000	1.000	NO	1.215	97.2	0.0907	1.215
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.0404	1.000	34.01	34.02	1.000	1.000	NO	1.261	101	0.0923	1.261
5	1,2,3,7,8-HxCDD	1.71e3	1.36	NO	1.0593	1.000	34.33	34.30	1.001	1.000	NO	1.247	99.8	0.0987	1.247
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.0602	1.000	37.84	37.66	1.000	1.001	NO	1.331	106	0.161	1.331
7	OCDD	2.10e3	0.92	NO	0.9789	1.000	41.15	41.15	1.000	1.000	NO	2.435	97.4	0.415	2.435
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.9895	1.000	25.46	25.44	1.001	1.000	NO	0.2891	116	0.0239	0.2890
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.0221	1.000	29.44	29.44	1.001	1.001	NO	1.206	96.5	0.0408	1.206
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.1738	1.000	30.43	30.42	1.001	1.001	NO	1.204	96.3	0.0431	1.204
11	1,1,1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.1360	1.000	32.99	33.01	1.000	1.001	NO	1.238	99.0	0.0461	1.238



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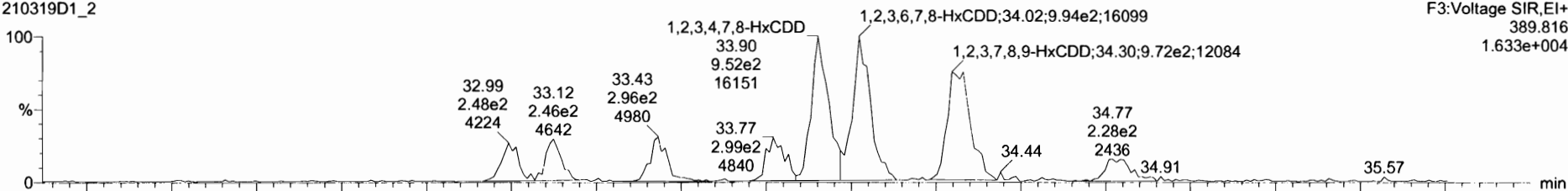
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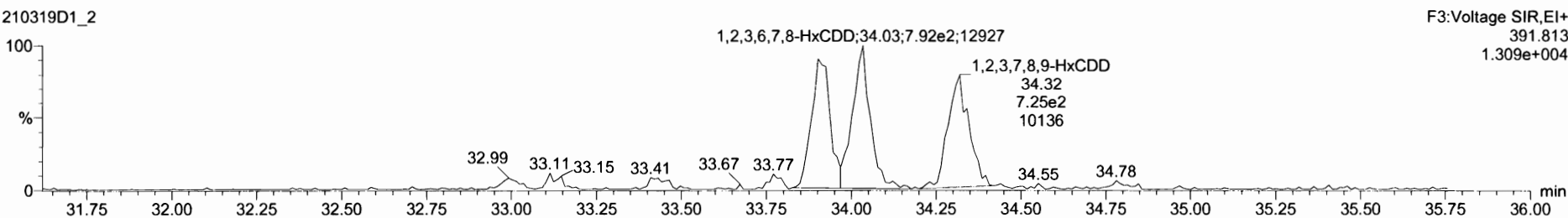
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**1,2,3,4,7,8-HxCDD**

210319D1\_2

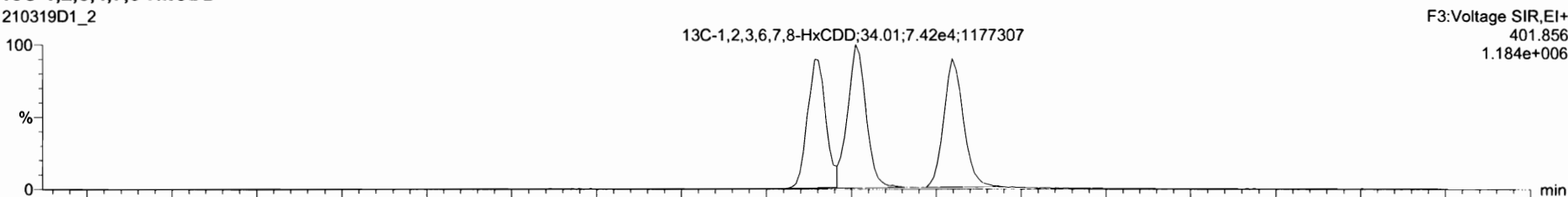


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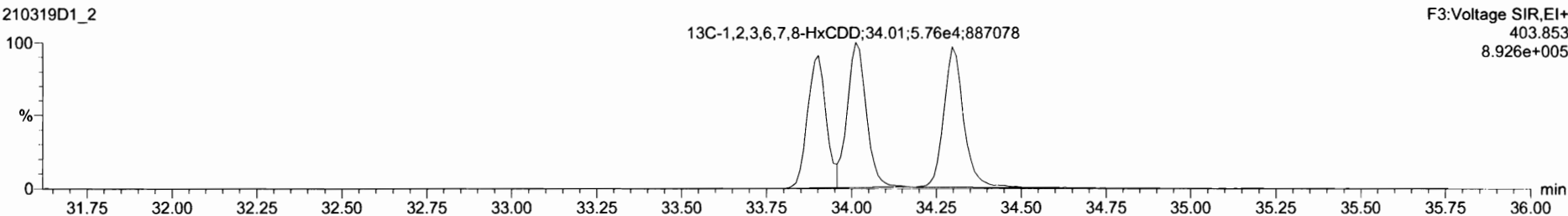


**13C-1,2,3,4,7,8-HxCDD**

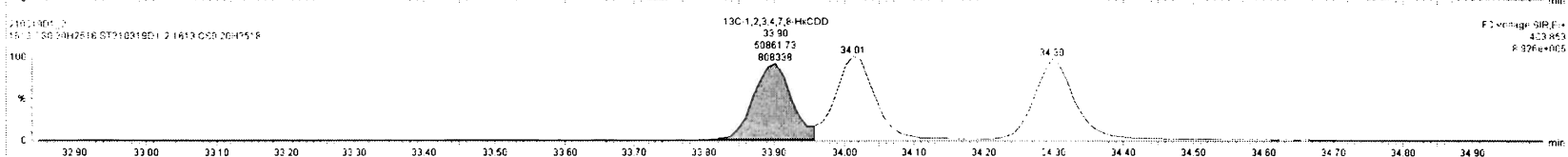
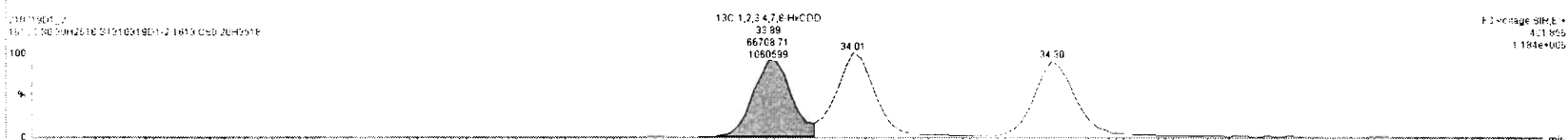
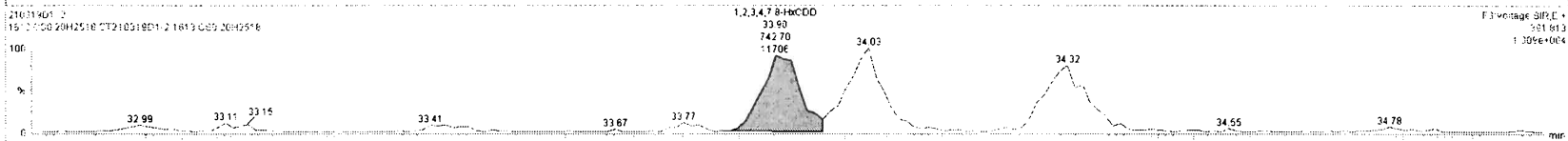
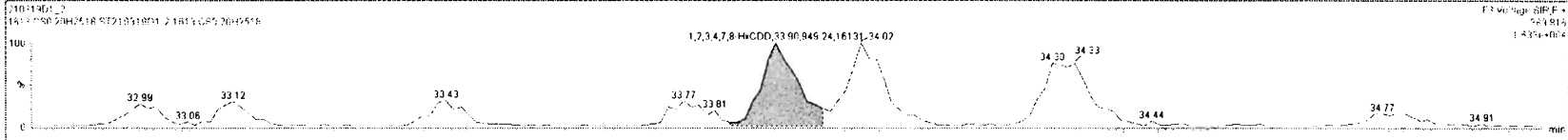
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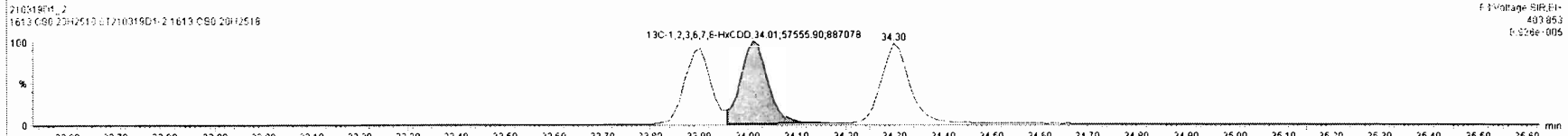
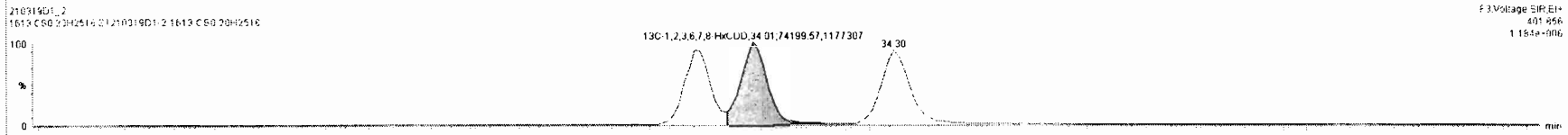
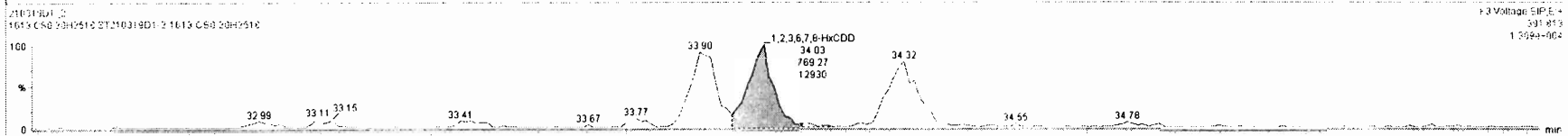
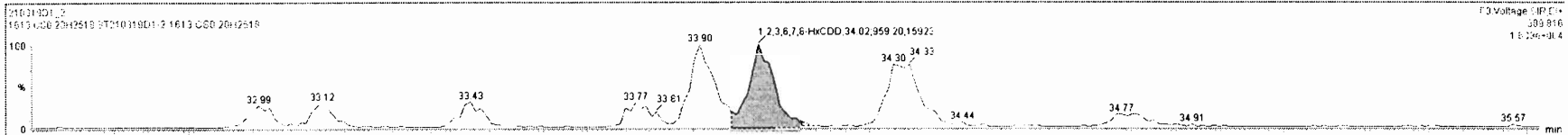


#	Name	Resp	RA	Nly	RRF	ntVol	RT	RRT	Conc.	%Rec	OL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	7.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	1,2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24

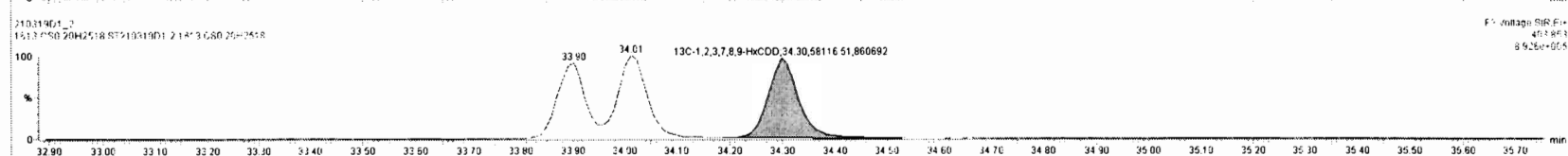
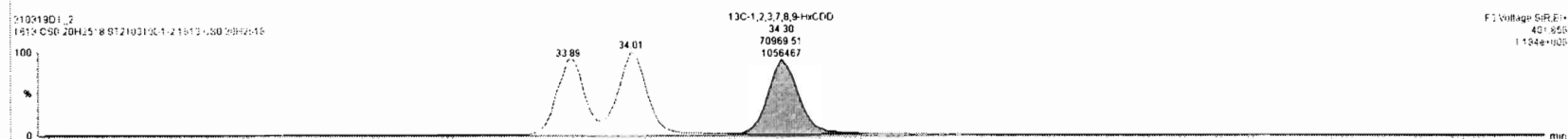
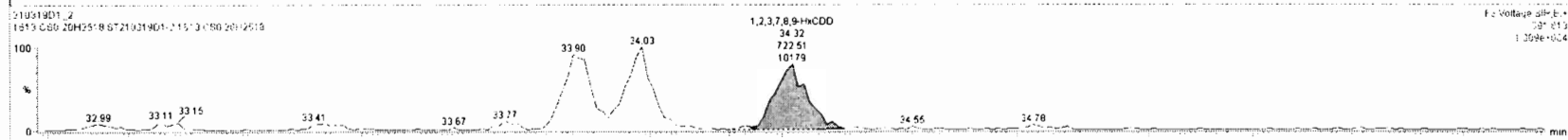
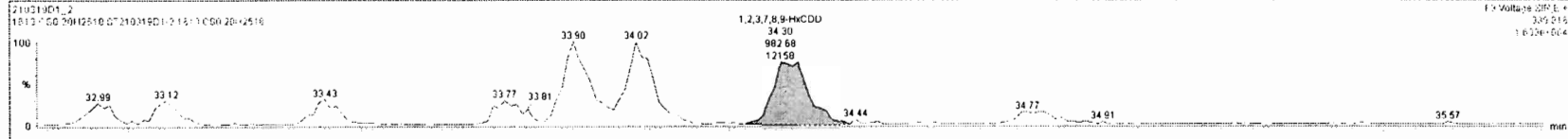




#	Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NC	1.00	1.000	26.13	1.001	0.256	100	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NC	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NC	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HxCDD	1.46e3	1.02	NO	1.06	1.000	37.66	1.001	1.33	100	0.161	1.33
7	OCDD	2.10e3	0.92	NC	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NC	0.99	1.000	25.44	1.000	0.289	110	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



#	Name	Resp	RA	inj	RRF	stdDev	RT	RRT	Conc	%Rec	CL	EMPC
1	1,2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.00	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.95	1.000	30.64	1.00	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.13	1.000	39.90	1.00	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.00	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.08	1.000	34.30	1.00	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.05	1.000	37.86	1.00	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.93	1.000	41.15	1.00	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.00	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.88e3	1.32	NO	1.02	1.000	29.44	1.00	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.00	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.00	1.24	99.0	0.0461	1.24



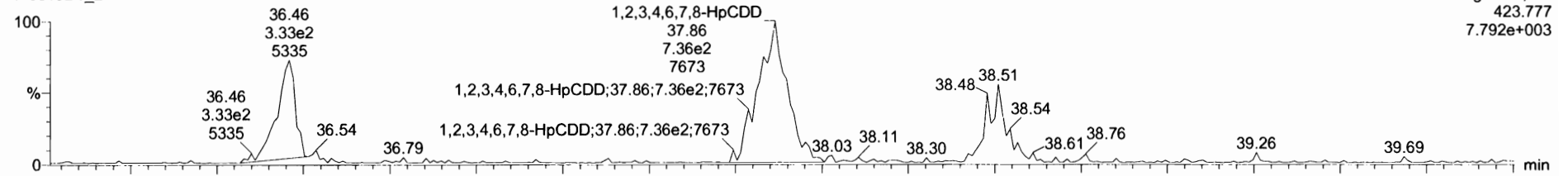
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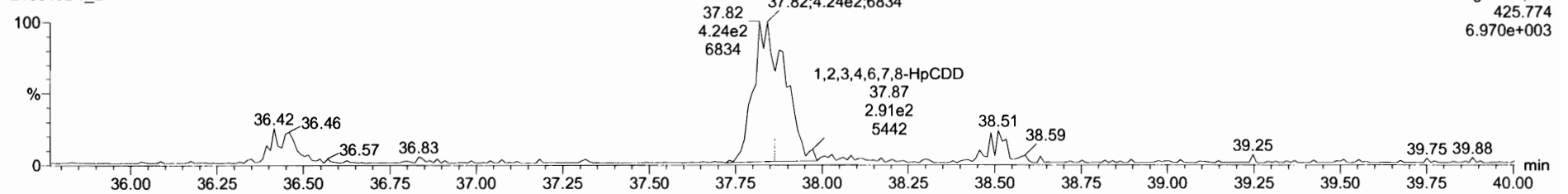
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1,2,3,4,6,7,8-HpCDD

210319D1\_2

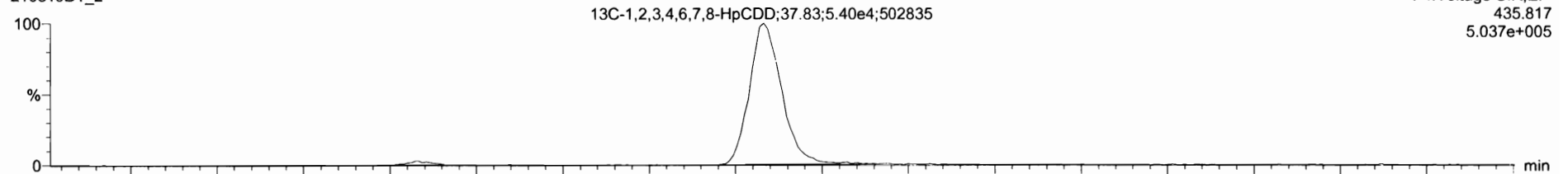


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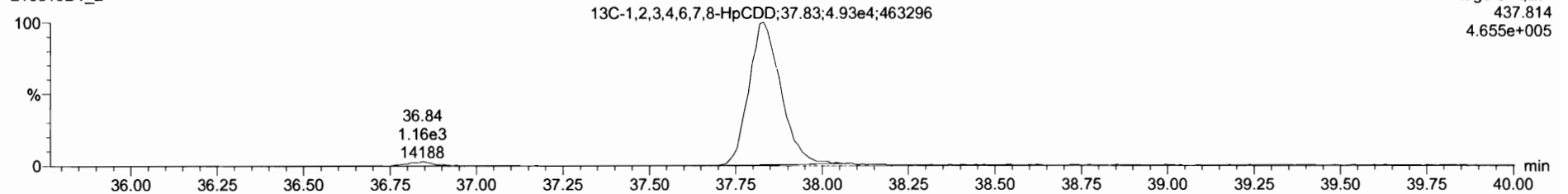


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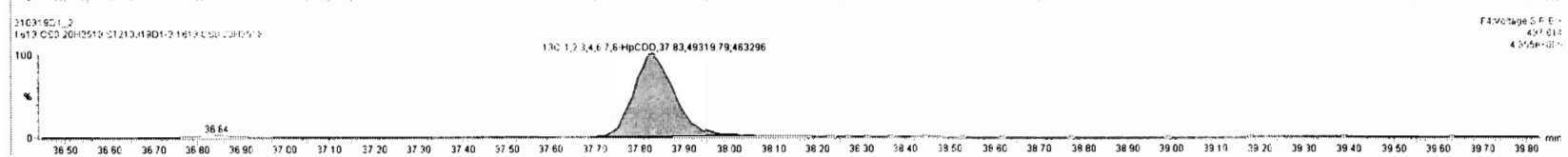
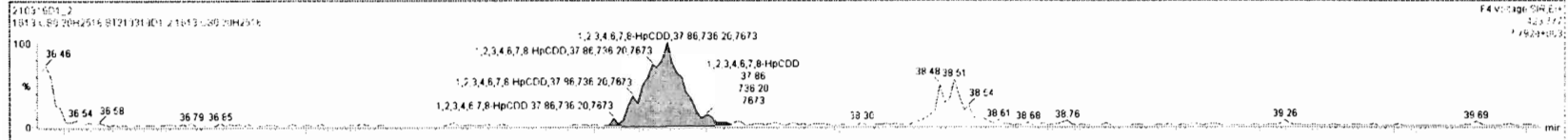
210319D1\_2



210319D1\_2



Name	Resp	RA	RV	RIF	wt/vol	RT	IR1	Conc	%Sec	DL	EMPC
1 2,3,7,8-TCDF	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0232	0.256
2 1,2,3,7,8-PeCDF	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3 1,2,3,4,7,8-HxCDD	1.69e3	1.26	NO	1.18	1.000	33.30	1.000	1.22	97.2	0.0907	1.22
4 1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5 1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6 1,2,3,4,6,7,8-HpCDD	1.48e3	1.02	NO	1.08	1.000	37.86	1.001	1.33	106	0.161	1.33
7 OCDF	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8 2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9 1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10 2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11 1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24

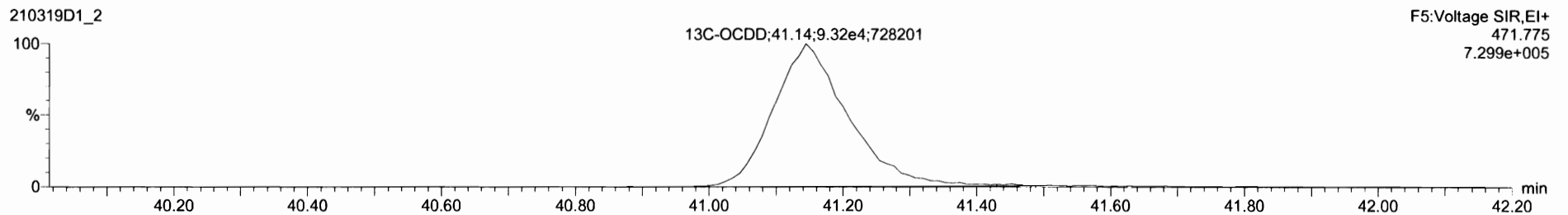
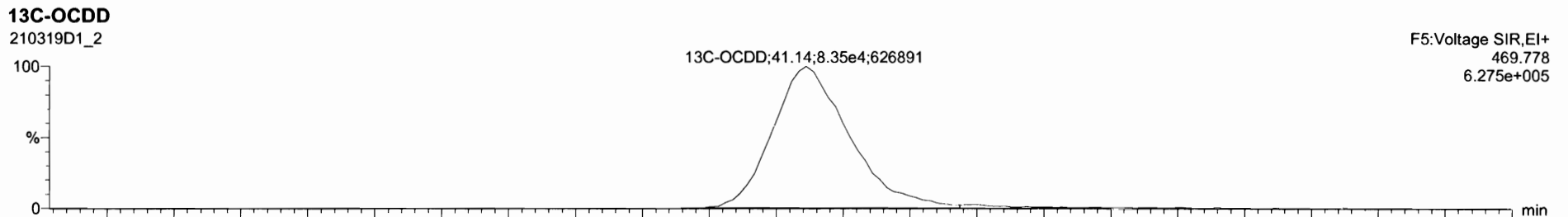
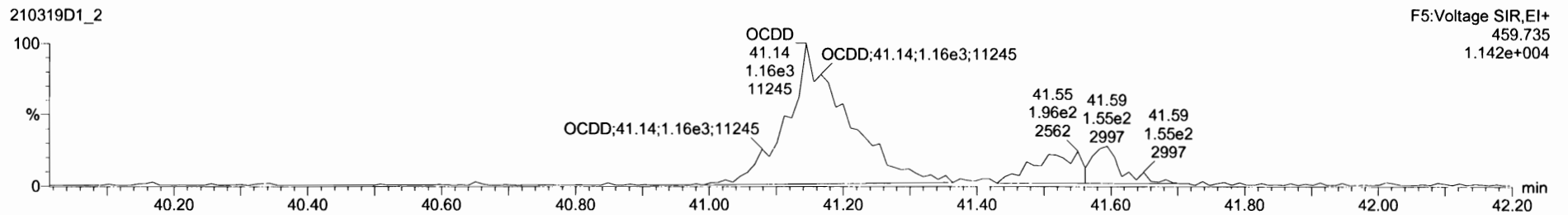
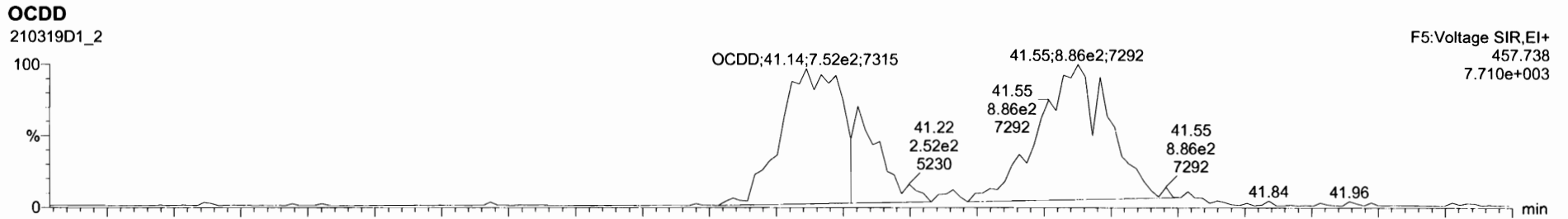


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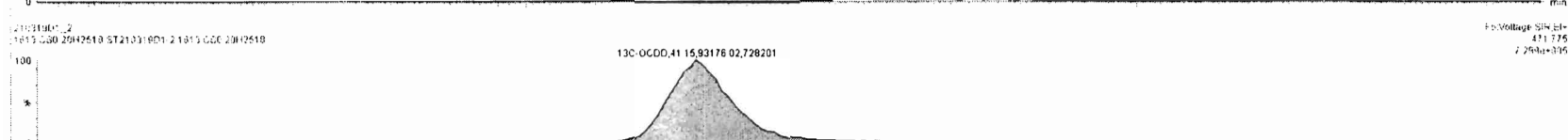
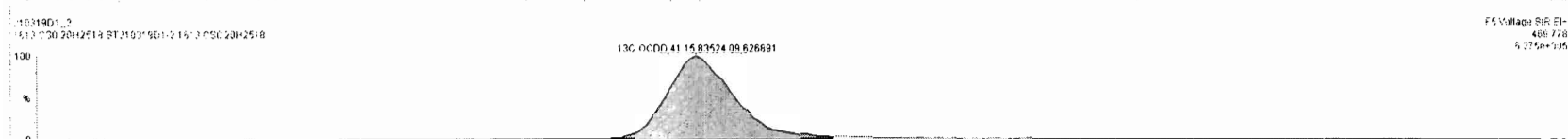
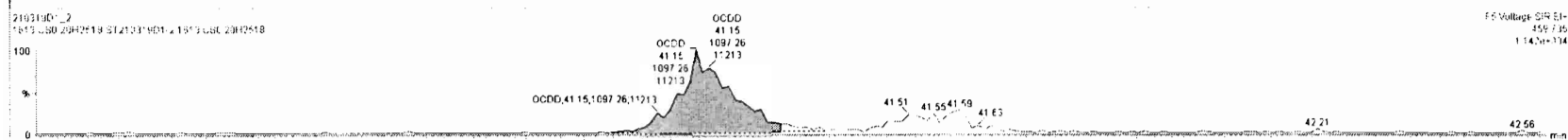
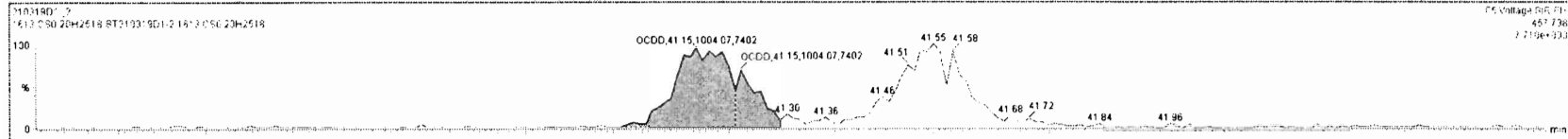
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Name	Resp	RA	nly	RF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDF	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0333	0.256
2 1,2,3,7,8-PeCDD	1.75e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3 1,2,3,4,7,8-HxCDD	1.69e3	1.26	NO	1.16	1.000	33.90	1.000	1.22	97.7	0.0907	1.22
4 1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5 1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.6	0.0967	1.25
6 1,2,3,4,6,7,8-HpCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7 OCDD	2.10e3	0.82	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8 2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.269	116	0.0239	0.269
9 1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0406	1.21
10 2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11 1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



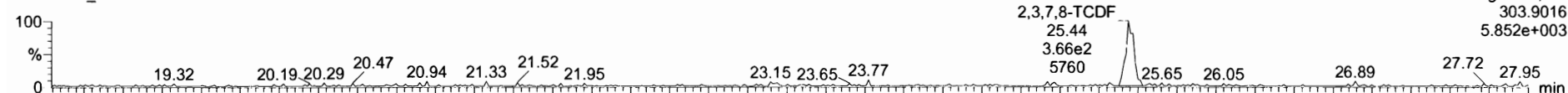
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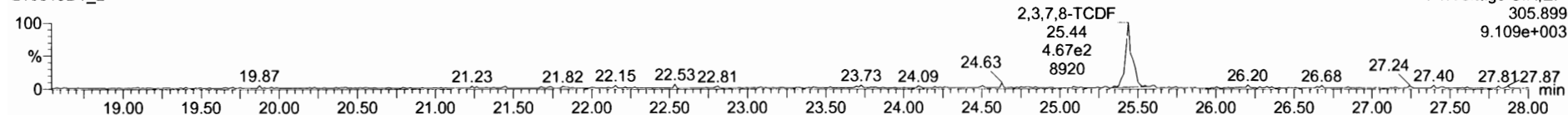
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**2,3,7,8-TCDF**

210319D1\_2

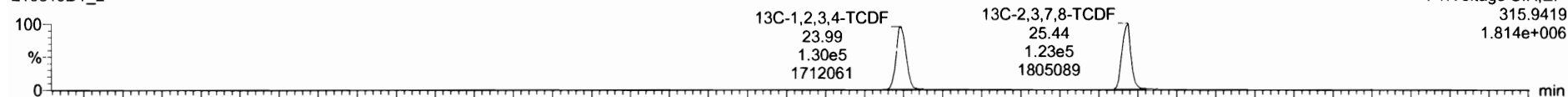


210319D1\_2

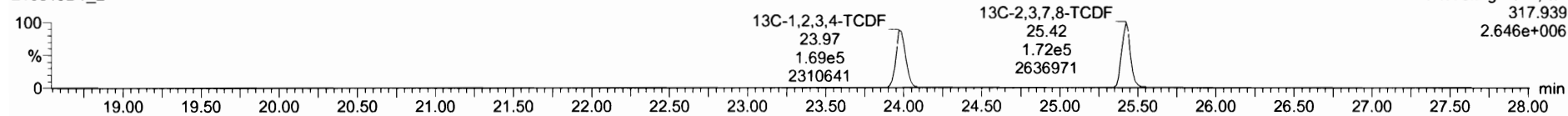


**13C-2,3,7,8-TCDF**

210319D1\_2

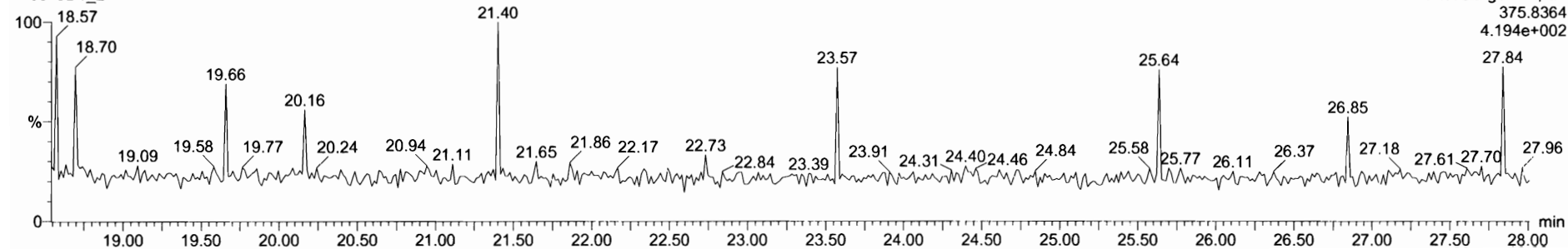


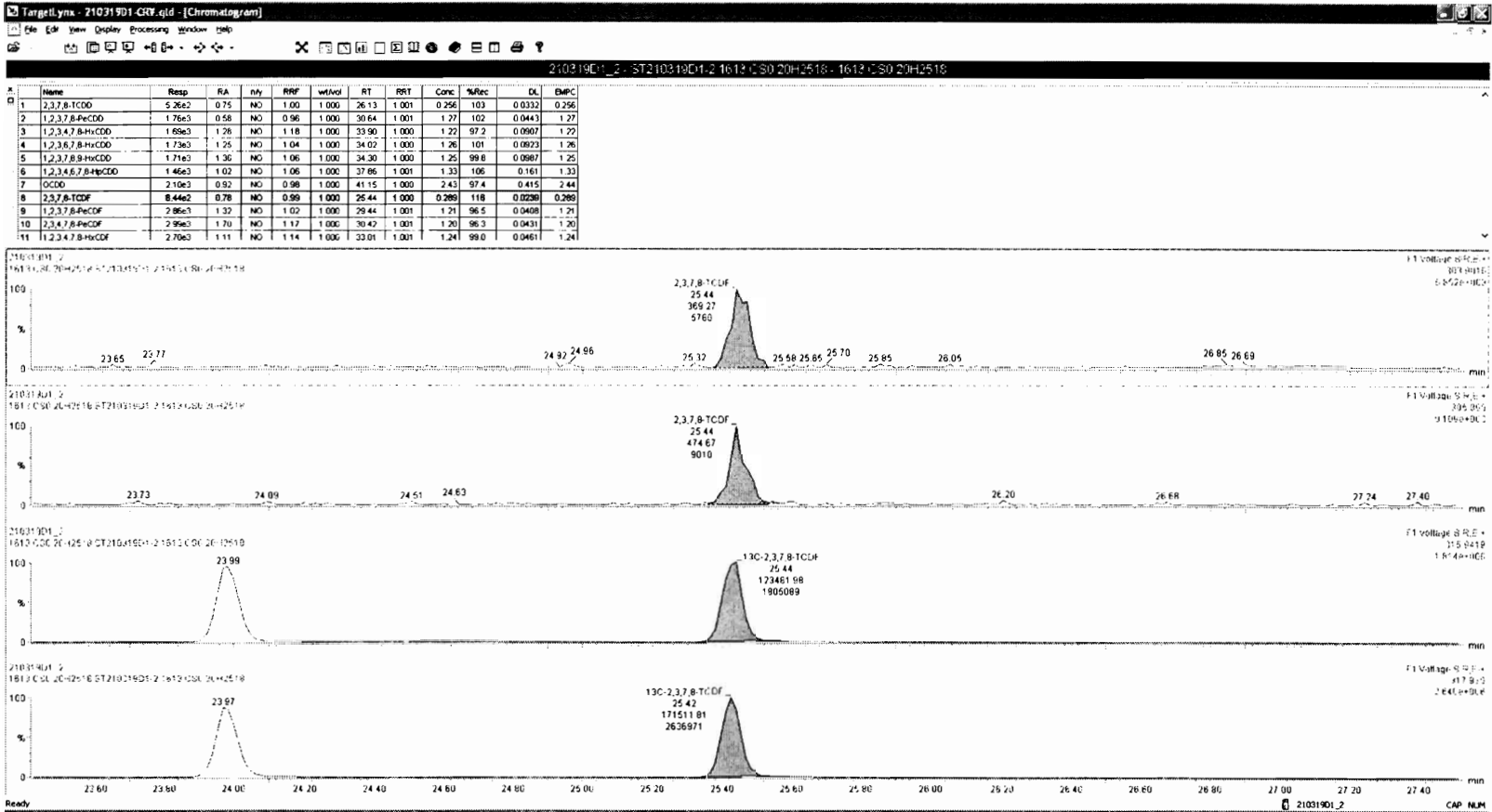
210319D1\_2



**DPE1**

210319D1\_2







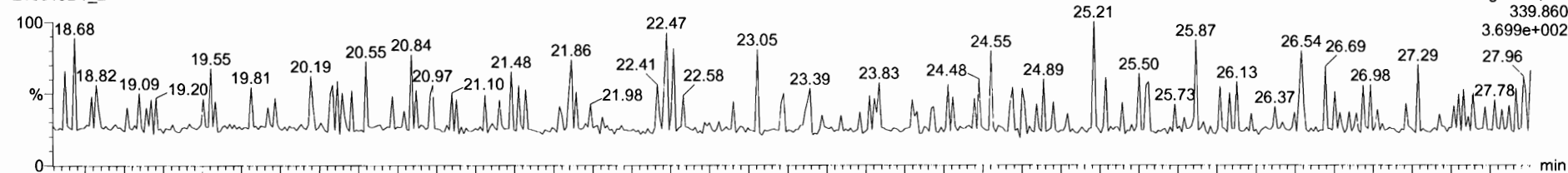
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

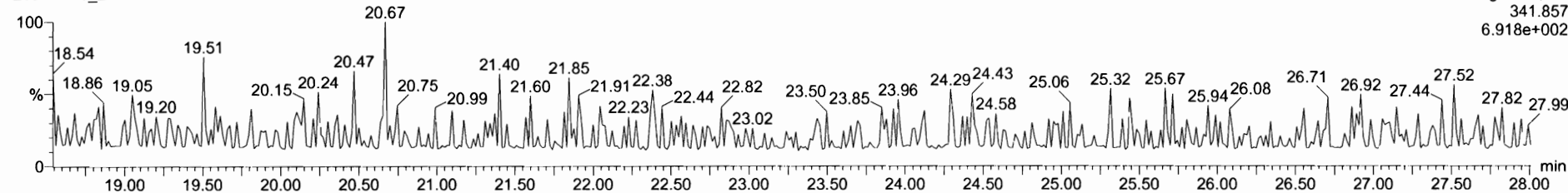
Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

1st Func. Penta-Furans

210319D1\_2

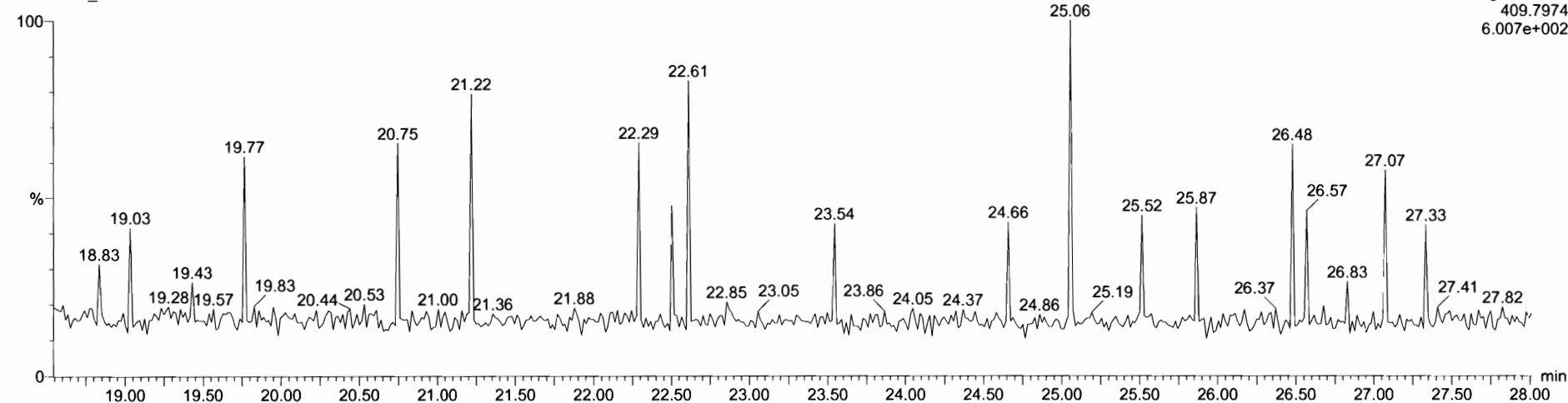


210319D1\_2



DPE6

210319D1\_2



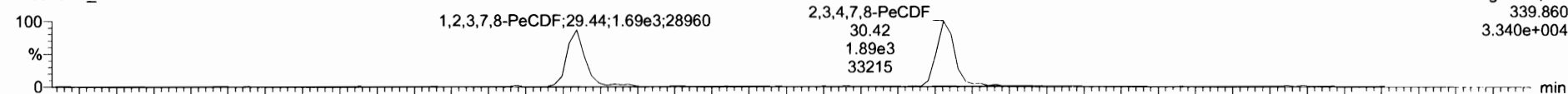
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

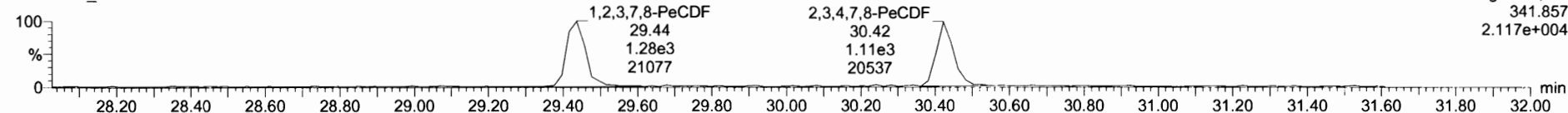
**1,2,3,7,8-PeCDF**

210319D1\_2



F2:Voltage SIR,EI+  
339.860  
3.340e+004

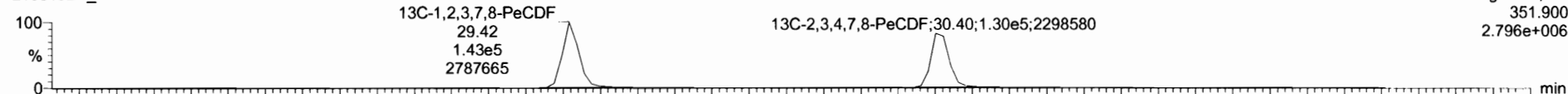
210319D1\_2



F2:Voltage SIR,EI+  
341.857  
2.117e+004

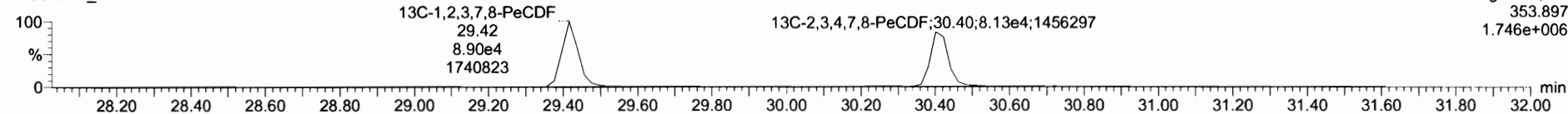
**13C-1,2,3,7,8-PeCDF**

210319D1\_2



F2:Voltage SIR,EI+  
351.900  
2.796e+006

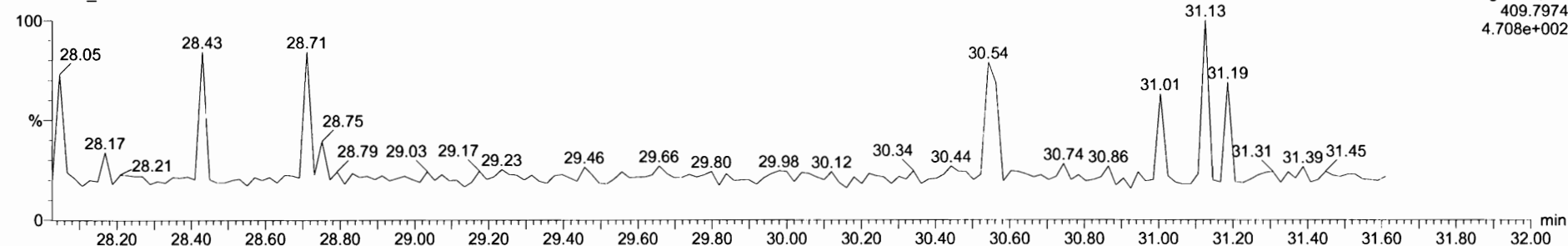
210319D1\_2



F2:Voltage SIR,EI+  
353.897  
1.746e+006

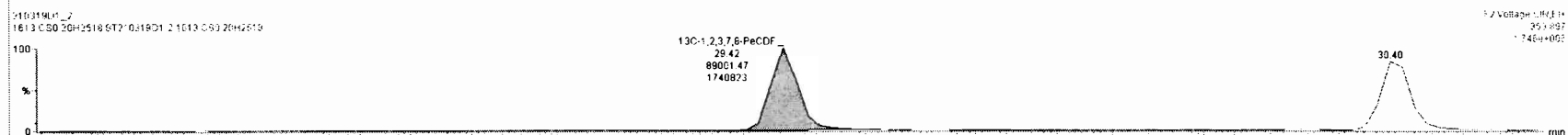
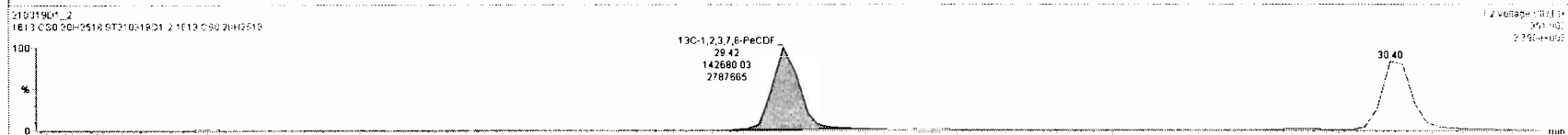
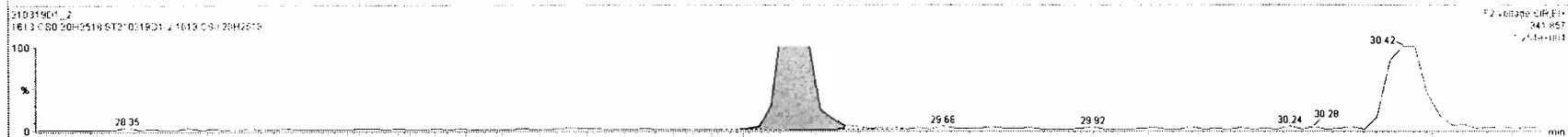
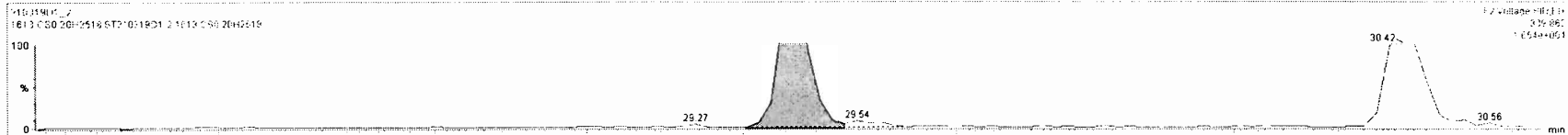
**DPE2**

210319D1\_2



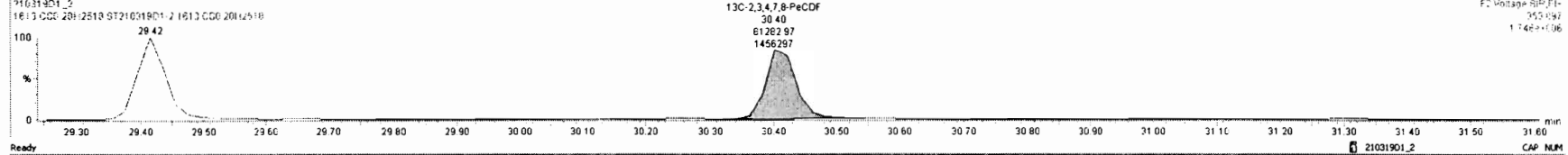
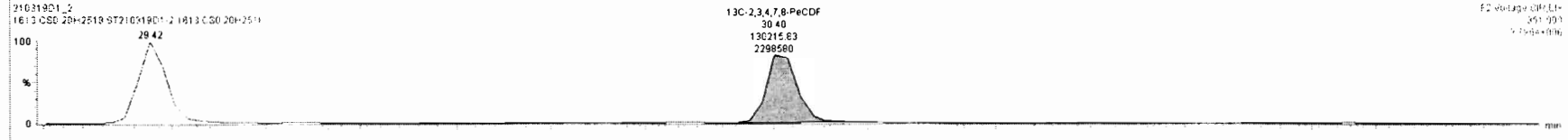
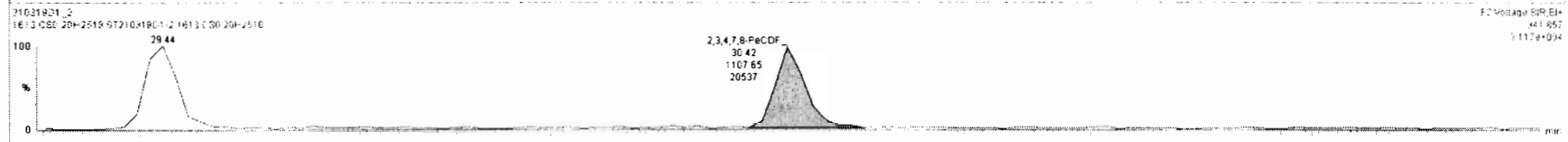
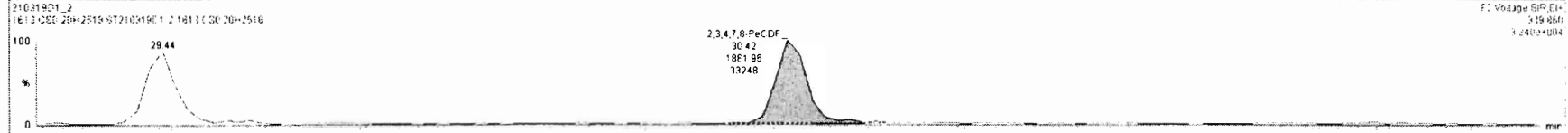
F2:Voltage SIR,EI+  
409.7974  
4.708e+002

#	Name	Resp	RA	nV	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.98	1.000	30.64	1.001	1.27	102	0.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.05	1.000	34.30	1.000	1.25	98.8	0.0987	1.25
6	1,2,3,4,6,7,8-HxCDD	1.46e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.285	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



21031901\_2 - ST21031901-3 1613 C50 29H2518 - 1613 C50 20H2518

Name	Resp	RA	n/y	RRF	wtVol	RT	RR1	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	0.0332	0.256
2 1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	0.0443	1.27
3 1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.16	1.000	33.90	1.000	1.22	97.2	0.0907	1.22
4 1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5 1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.6	0.0987	1.25
6 1,2,3,4,6,7,8-HpCDD	1.46e3	1.07	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7 OCDF	2.19e3	0.92	NO	0.96	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8 2,3,7,8-TCDF	8.44e2	0.78	NO	0.95	1.000	25.44	1.000	0.289	116	0.0239	0.289
9 1,2,3,7,8-PeCDF	2.86e3	1.37	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10 2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.20	96.3	0.0431	1.20
11 1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



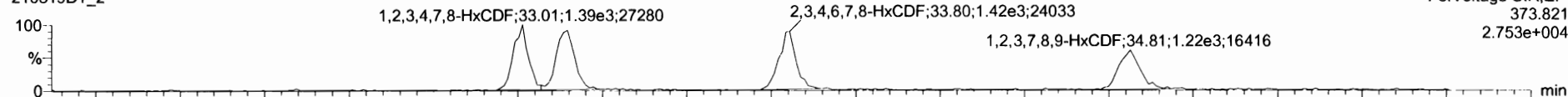
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

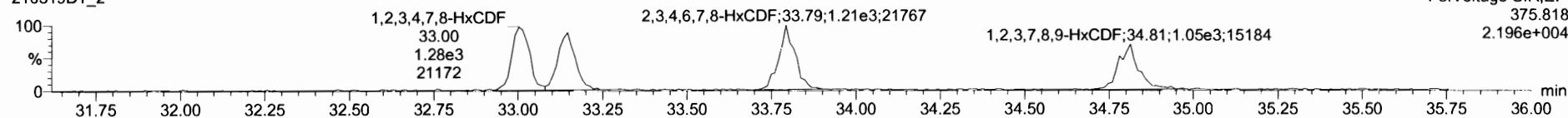
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**1,2,3,4,7,8-HxCDF**

210319D1\_2

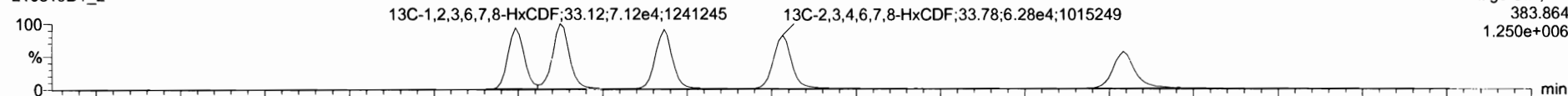


210319D1\_2

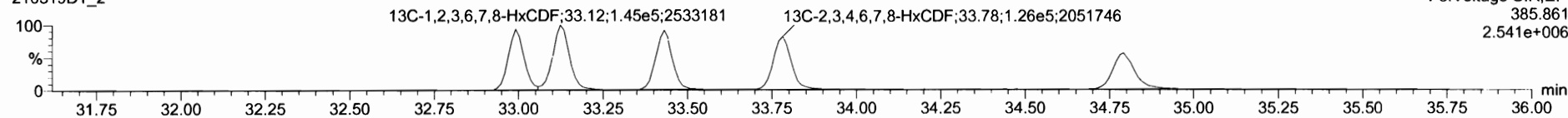


**13C-1,2,3,4,7,8-HxCDF**

210319D1\_2

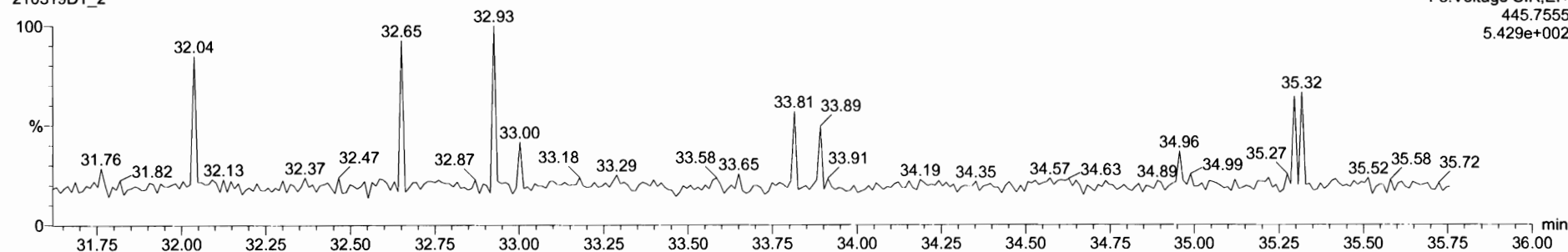


210319D1\_2



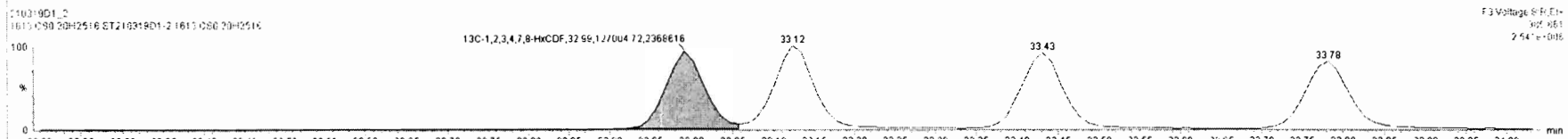
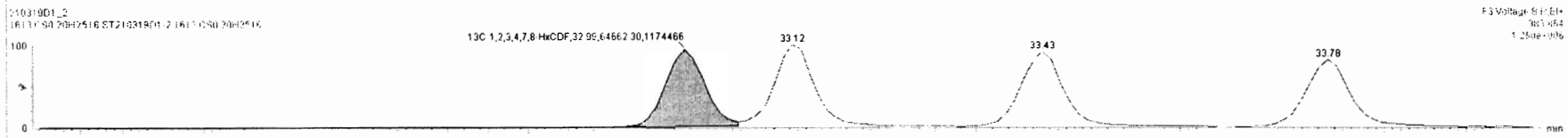
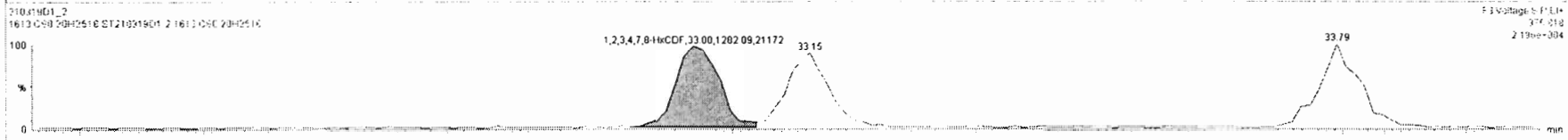
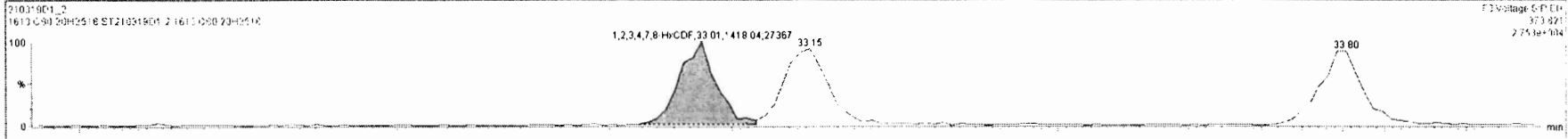
**DPE3**

210319D1\_2

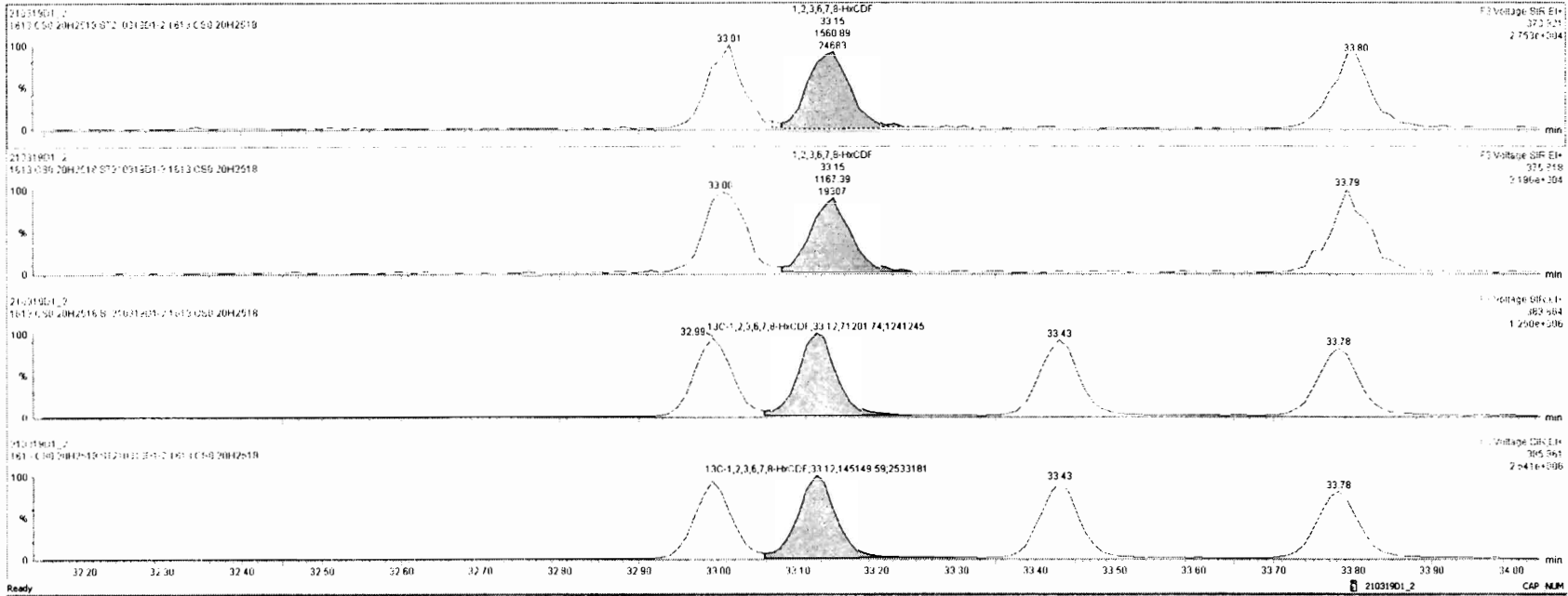


210319D1\_2 - ST210319D1-2 1613 C50 20H2516 - 1613 C50 20H2518

#	Name	Resp	RA	n/y	RRF	wt/col	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.26e2	0.75	NO	1.00	1.000	26.13	1.001	0.256	103	3.0332	0.256
2	1,2,3,7,8-PeCDD	1.76e3	0.58	NO	0.96	1.000	30.64	1.001	1.27	102	3.0443	1.27
3	1,2,3,4,7,8-HxCDD	1.69e3	1.28	NO	1.18	1.000	33.90	1.000	1.22	97.2	3.0907	1.22
4	1,2,3,6,7,8-HxCDD	1.73e3	1.25	NO	1.04	1.000	34.02	1.000	1.26	101	0.0923	1.26
5	1,2,3,7,8,9-HxCDD	1.71e3	1.36	NO	1.06	1.000	34.30	1.000	1.25	99.8	0.0987	1.25
6	1,2,3,4,6,7,8-HpCDD	1.45e3	1.02	NO	1.06	1.000	37.86	1.001	1.33	106	0.161	1.33
7	OCDD	2.10e3	0.92	NO	0.98	1.000	41.15	1.000	2.43	97.4	0.415	2.44
8	2,3,7,8-TCDF	8.44e2	0.78	NO	0.99	1.000	25.44	1.000	0.289	116	0.0239	0.289
9	1,2,3,7,8-PeCDF	2.86e3	1.32	NO	1.02	1.000	29.44	1.001	1.21	96.5	0.0408	1.21
10	2,3,4,7,8-PeCDF	2.99e3	1.70	NO	1.17	1.000	30.42	1.001	1.70	96.3	0.0431	1.70
11	1,2,3,4,7,8-HxCDF	2.70e3	1.11	NO	1.14	1.000	33.01	1.001	1.24	99.0	0.0461	1.24



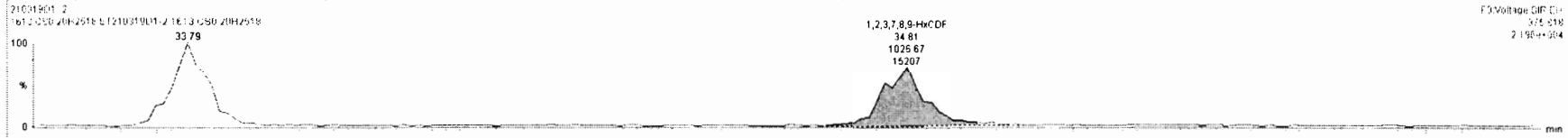
#	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2.79e3	1.34	NO	1.04	1.000	33.15	1.001	1.21	99.8	0.0465	1.21
13	1,2,3,6,7,8-HxCDF	2.63e3	1.17	NO	1.13	1.000	33.80	1.001	1.24	98.9	0.0531	1.24
14	1,2,3,7,8,9-HxCDF	2.25e3	1.19	NO	1.07	1.000	34.81	1.001	1.29	103	0.0799	1.29
15	1,2,3,4,6,7,8-HpCDF	1.99e3	0.96	NO	1.11	1.000	36.46	1.000	1.17	93.6	0.0235	1.17
16	1,2,3,4,7,8,9-HpCDF	1.75e3	1.03	NO	1.32	1.000	38.52	1.001	1.24	99.4	0.114	1.24
17	OCDF	3.09e3	0.90	NO	0.93	1.000	41.56	1.000	2.65	106	0.168	2.65
18	13C-1,2,3,7,8-TCDF	2.06e5	0.76	NO	1.20	1.000	36.10	1.027	98.3	98.3	0.220	
19	13C-1,2,3,7,8-HxCDD	1.44e5	0.63	NO	0.86	1.000	30.62	1.205	95.9	95.9	0.204	
20	13C-1,2,3,4,7,8-HxCDD	1.18e5	1.31	NO	0.60	1.000	33.89	1.014	98.8	98.8	0.300	
21	13C-1,2,3,6,7,8-HxCDD	1.32e5	1.29	NO	0.87	1.000	34.01	1.017	98.5	98.5	0.267	
22	13C-1,2,3,7,8,9-HxCDD	1.29e5	1.22	NO	0.88	1.000	34.30	1.026	95.9	95.9	0.265	



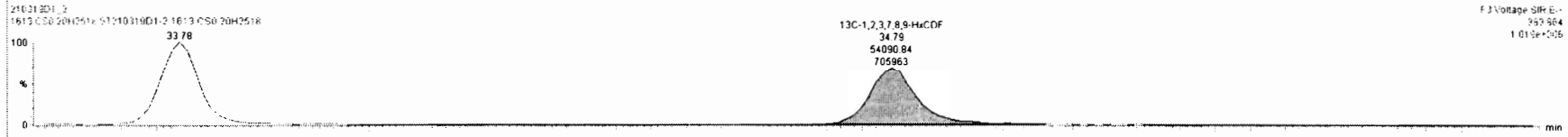
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
12 1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.04	1.000	33.15	1.001	1.21	96.8	0.0465	1.21
13 2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.13	1.000	33.80	1.001	1.24	98.9	0.0531	1.24
14 1,2,3,7,8,9-HxCDF	2.25e3	1.18	NO	1.07	1.000	34.81	1.001	1.28	103	0.0798	1.28
15 1,2,3,4,6,7,8-HpCDF	1.98e3	0.96	NO	1.11	1.000	36.46	1.000	1.17	93.6	0.0926	1.17
16 1,2,3,4,7,8,9-HpCDF	1.76e3	1.03	NO	1.32	1.000	38.52	1.001	1.24	99.4	0.114	1.24
17 OCDF	3.09e3	0.90	NO	0.93	1.000	41.56	1.000	2.65	106	0.168	2.65
18 1,3C-2,3,7,8-TCDD	2.06e5	0.76	NO	1.20	1.000	26.10	1.027	98.3	98.3	0.220	
19 1,3C-1,2,3,7,8-PeCDD	1.44e5	0.63	NO	0.86	1.000	30.62	1.205	95.9	95.9	0.204	
20 1,3C-1,2,3,4,7,8-HxCDD	1.18e5	1.31	NO	0.60	1.000	33.89	1.014	98.8	98.8	0.300	
21 1,3C-1,2,3,6,7,8-HxCDD	1.32e5	1.29	NO	0.67	1.000	34.01	1.017	98.5	98.5	0.267	
22 1,3C-1,2,3,7,8,9-HxCDD	1.29e5	1.22	NO	0.68	1.000	34.30	1.026	95.9	95.9	0.265	



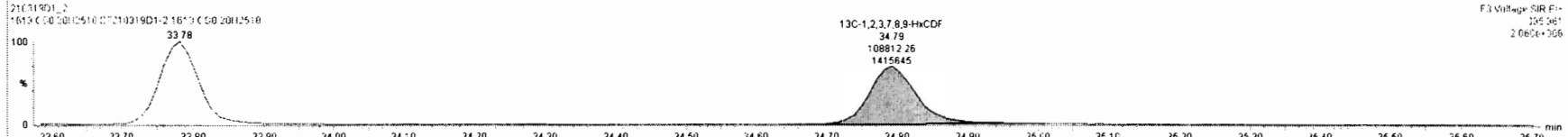
F3 Voltage SFR E-  
27.742  
2.42e+304



F3 Voltage SFR E-  
275.618  
2.19e+304



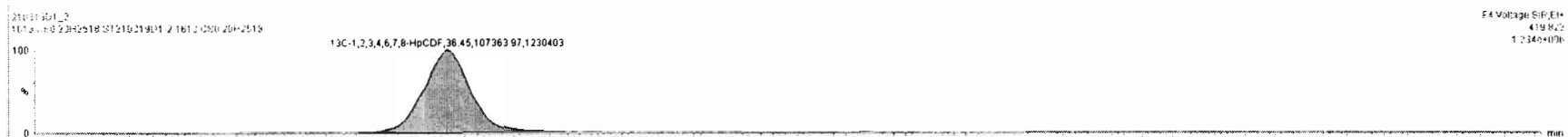
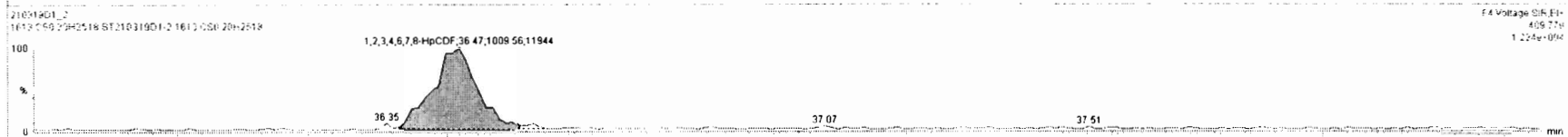
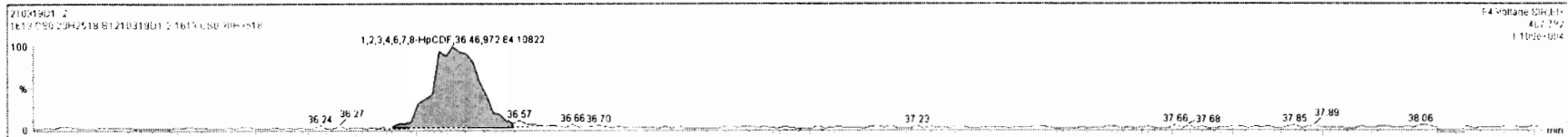
F3 Voltage SFR E-  
269.964  
1.01e+306



F3 Voltage SFR E-  
265.981  
2.06e+306



#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.04	1.000	33.15	1.001	1.21	96.8	0.0465	1.21
13	2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.13	1.000	33.80	1.001	1.24	98.9	0.0531	1.24
14	1,2,3,7,8,9-HxCDF	2.25e3	1.19	NO	1.07	1.000	34.81	1.001	1.29	103	0.0799	1.29
15	1,2,3,4,6,7,8-HpCDF	1.98e3	0.96	NO	1.11	1.000	36.46	1.000	1.17	93.6	0.0926	1.17
16	1,2,3,4,7,8,9-HpCDF	1.76e3	1.03	NO	1.32	1.000	36.52	1.001	1.24	99.4	0.114	1.24
17	OCDF	3.09e3	0.90	NO	0.93	1.000	41.56	1.000	2.65	106	0.168	2.65
18	13C-2,3,7,8-TCDF	2.06e5	0.76	NO	1.20	1.000	26.10	1.027	98.3	98.3	0.220	
19	13C-1,2,3,7,8-PeCDD	1.44e5	0.63	NO	0.86	1.001	30.62	1.205	95.9	95.9	0.204	
20	13C-1,2,3,4,7,8-HxCDD	1.18e5	1.31	NO	0.60	1.000	33.89	1.014	98.8	98.8	0.300	
21	13C-1,2,3,6,7,8-HxCDD	1.32e5	1.29	NO	0.67	1.000	34.01	1.017	98.5	98.5	0.267	
22	13C-1,2,3,7,8,9-HxCDD	1.29e5	1.22	NO	0.68	1.000	34.30	1.026	95.9	95.9	0.265	

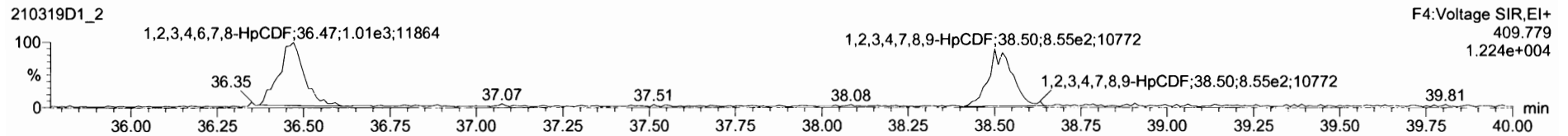
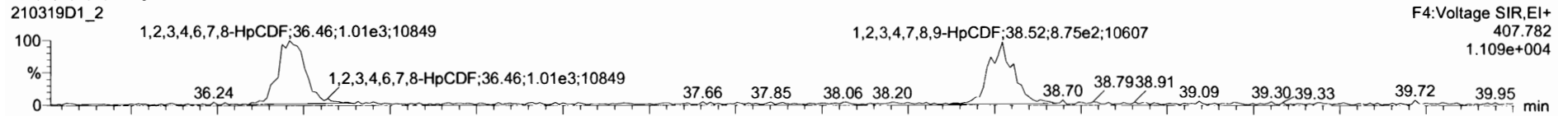


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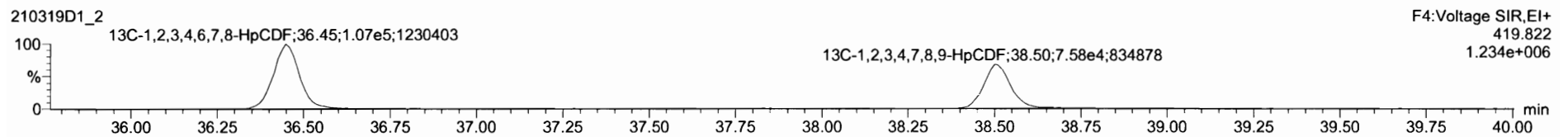
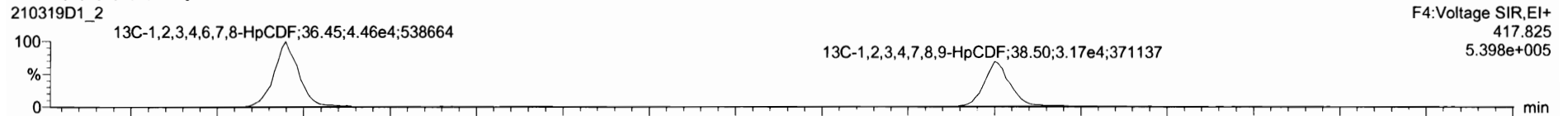
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518

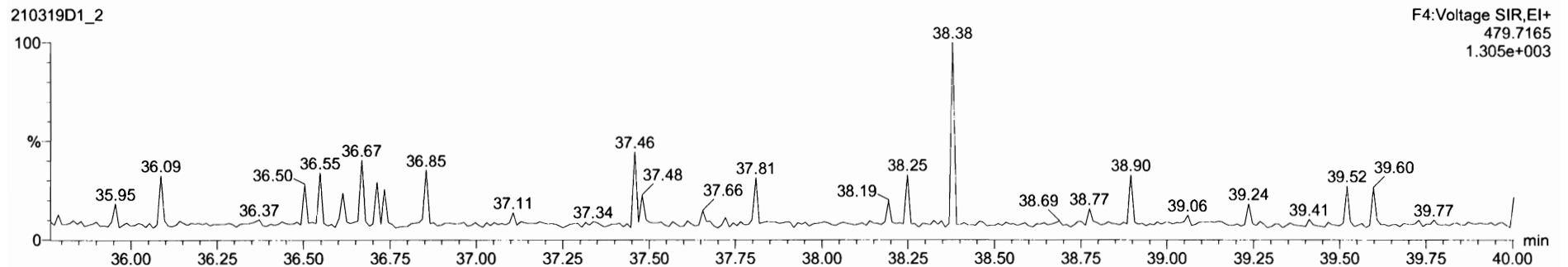
**1,2,3,4,6,7,8-HpCDF**



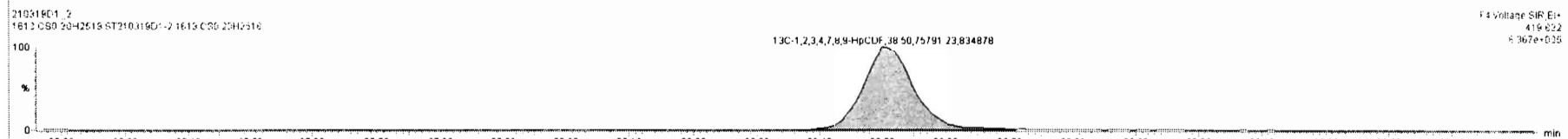
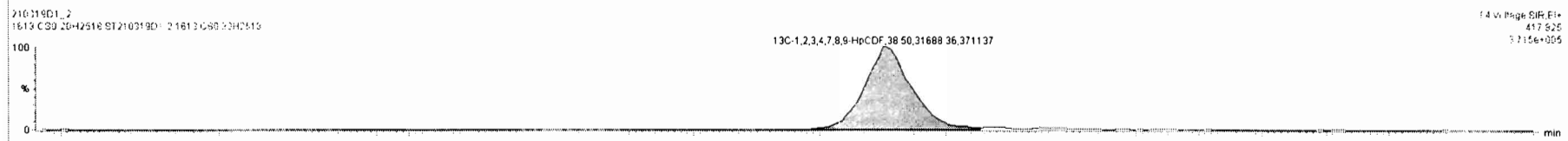
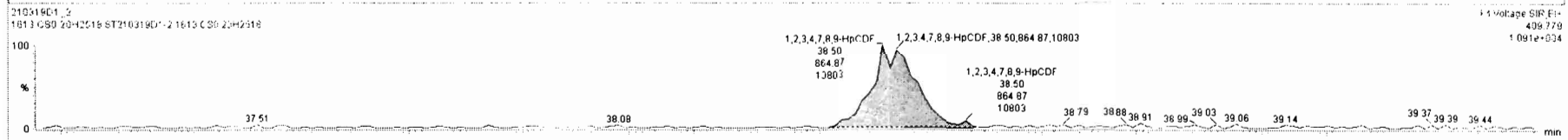
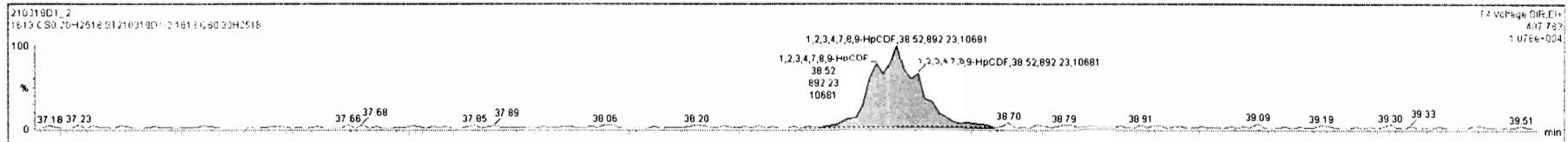
**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**



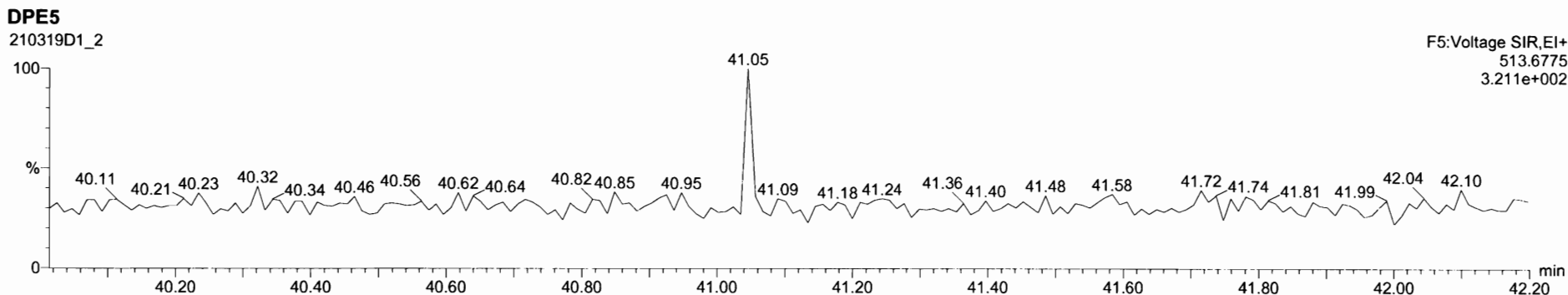
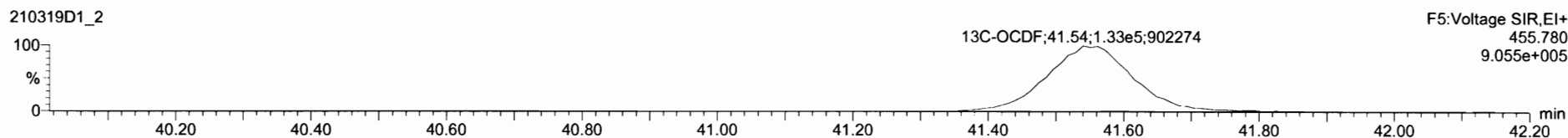
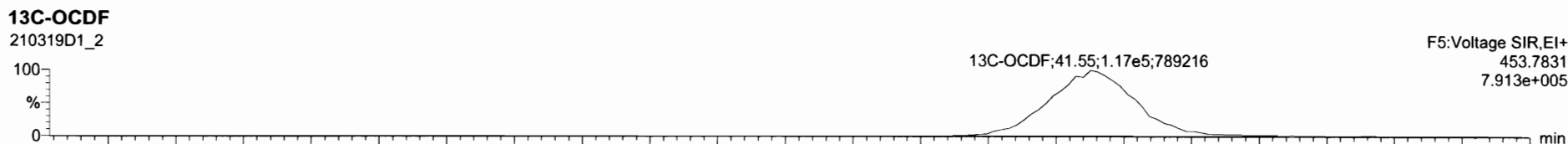
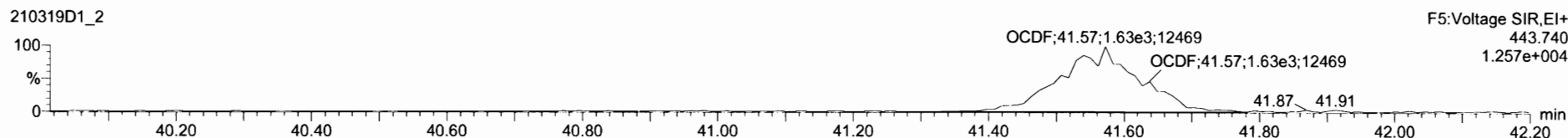
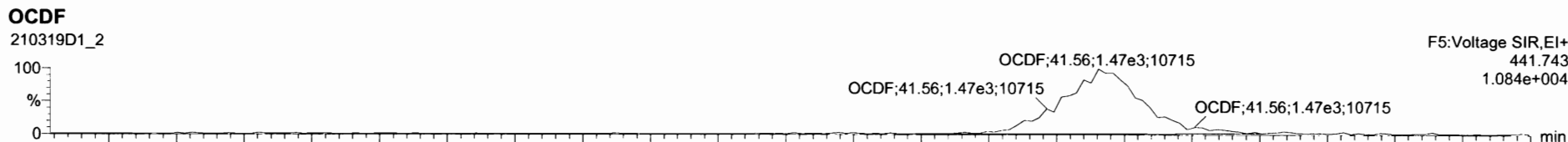
Name	Resp	RA	nly	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
12 1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.04	1.000	33.15	1.001	1.21	96.8	0.0465	1.21
13 2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.13	1.000	33.80	1.001	1.24	98.9	0.0531	1.24
14 1,2,3,7,8,9-HxCDF	2.25e3	1.19	NO	1.07	1.000	34.81	1.001	1.29	103	0.0799	1.29
15 1,2,3,4,6,7,8-HpCDF	1.98e3	0.96	NO	1.11	1.000	36.46	1.000	1.17	93.6	0.0926	1.17
16 1,2,3,4,7,8,9-HpCDF	1.76e3	1.03	NO	1.32	1.000	38.52	1.001	1.24	98.4	0.114	1.24
17 OCDF	3.09e3	0.90	NO	0.93	1.000	41.56	1.000	2.65	106	0.168	2.65
18 13C-2,3,7,8-TCDF	2.06e5	0.76	NO	1.20	1.000	26.10	1.027	98.3	98.3	0.220	
19 13C-1,2,3,7,8-PeCDD	1.44e5	0.63	NO	0.86	1.000	30.62	1.205	95.9	95.9	0.204	
20 13C-1,2,3,4,7,8-HxCDD	1.10e5	1.31	NO	0.60	1.000	33.89	1.014	98.8	98.8	0.300	
21 13C-1,2,3,6,7,8-HxCDD	1.32e5	1.29	NO	0.67	1.000	34.01	1.017	98.5	98.5	0.267	
22 13C-1,2,3,7,8,9-HxCDD	1.29e5	1.22	NO	0.68	1.000	34.30	1.026	95.9	95.9	0.265	



Dataset: Untitled

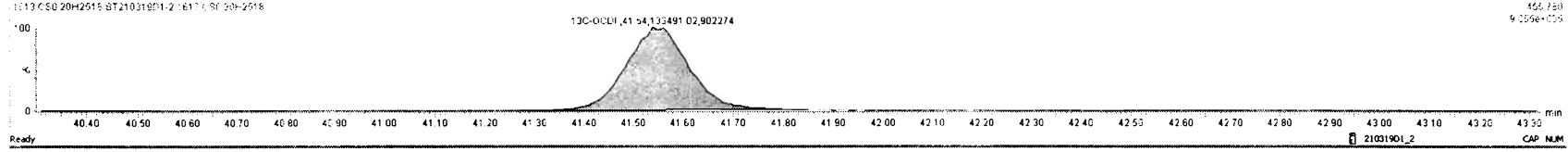
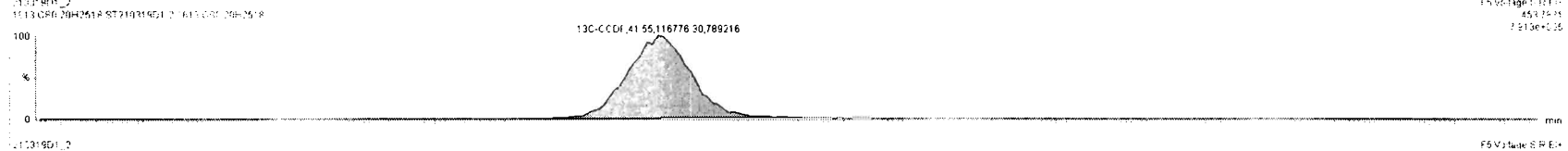
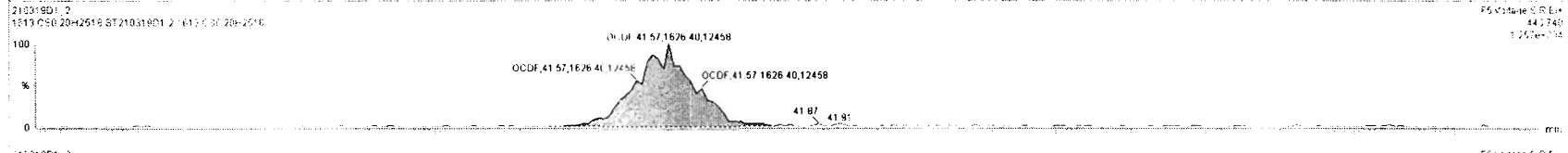
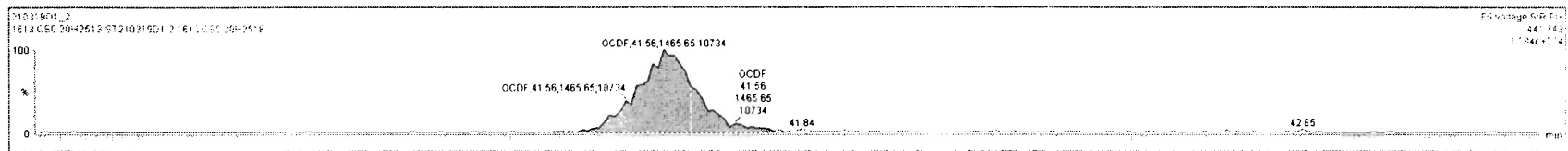
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518



21031901\_2 - ST21031901-2 1613 C50 20H2518 - 1613 C50 20H-2518

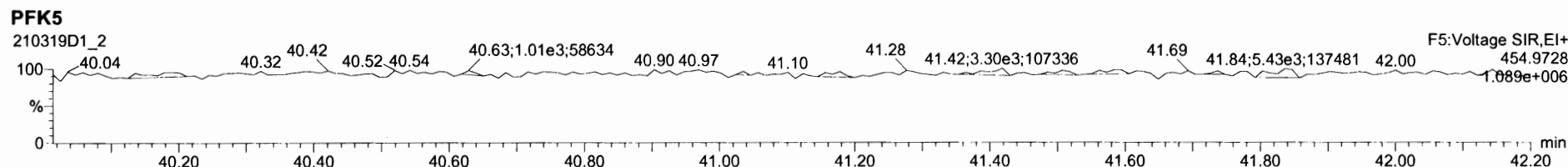
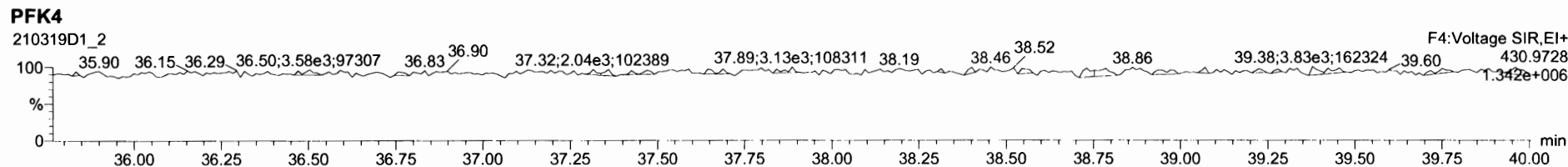
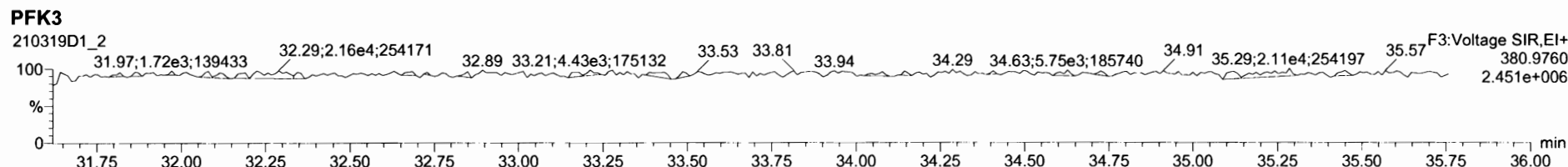
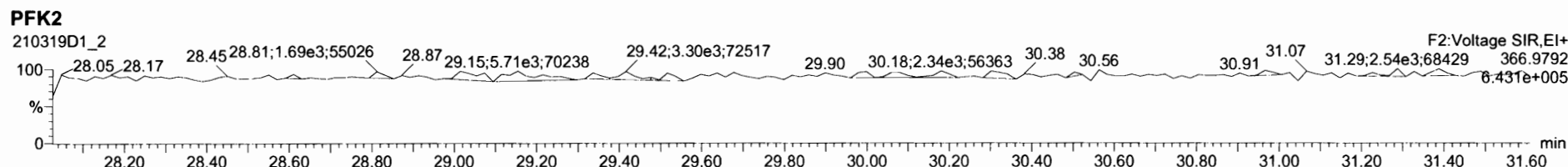
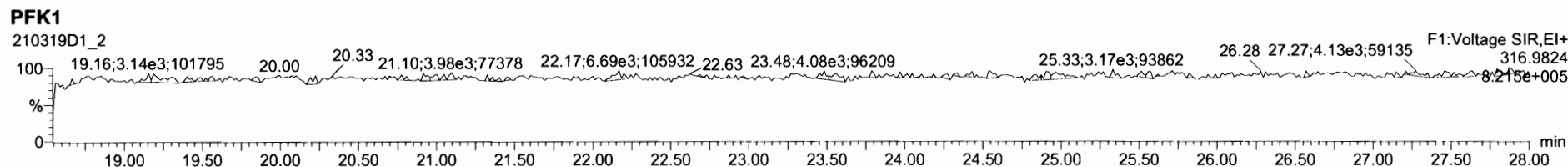
#	Name	Resp	RA	rvj	RRF	wtwt	RT	RRT	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	2.73e3	1.34	NO	1.04	1.000	33.15	1.001	1.21	96.8	0.0465	1.21
13	2,3,4,6,7,8-HxCDF	2.63e3	1.17	NO	1.13	1.000	33.90	1.001	1.24	98.9	0.0531	1.24
14	1,2,3,7,8,9-HxCDF	2.25e3	1.16	NO	1.07	1.000	34.81	1.001	1.29	103	0.0759	1.29
15	1,2,3,4,6,7,8-HxCDF	1.99e3	0.96	NO	1.11	1.000	36.46	1.000	1.17	93.6	0.0926	1.17
16	1,2,3,4,7,8,9-HxCDF	1.76e3	1.03	NO	1.32	1.000	38.52	1.001	1.24	99.4	0.114	1.24
17	OCDF	3.09e3	0.90	NO	0.93	1.000	41.56	1.000	2.86	106	0.168	2.86
18	13C-2,3,7,8-TCDD	2.06e3	0.76	NO	1.20	1.000	26.10	1.027	98.3	98.3	0.220	
19	13C-1,2,3,7,8-PeCDD	1.44e5	0.63	NO	0.96	1.000	30.62	1.205	95.9	95.9	0.204	
20	13C-1,2,3,4,7,8-HxCDD	1.18e5	1.31	NO	0.60	1.000	33.89	1.014	98.8	98.8	0.300	
21	13C-1,2,3,6,7,8-HxCDD	1.32e5	1.26	NO	0.67	1.000	34.01	1.017	98.5	98.5	0.267	
22	13C-1,2,3,7,8-HxCDD	1.29e5	1.22	NO	0.68	1.000	34.30	1.026	95.9	95.9	0.265	



Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_2, Date: 19-Mar-2021, Time: 08:06:08, ID: ST210319D1-2 1613 CS0 20H2518, Description: 1613 CS0 20H2518



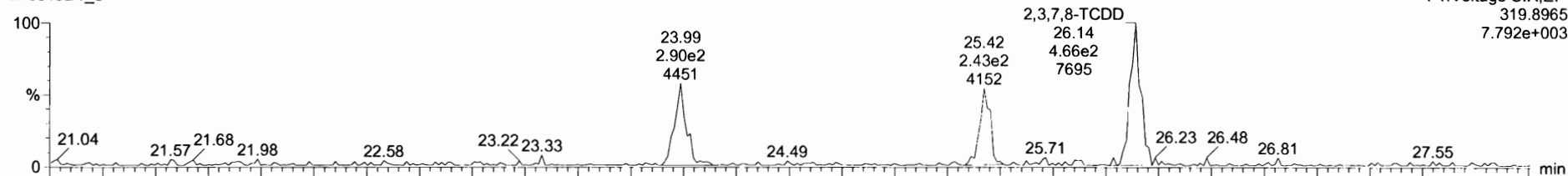
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

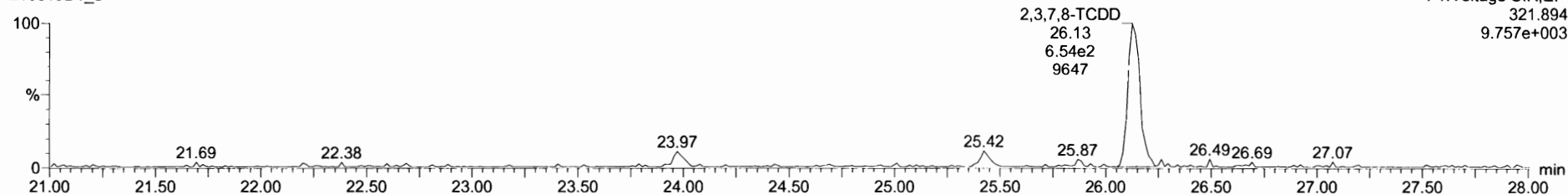
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2,3,7,8-TCDD

210319D1\_3

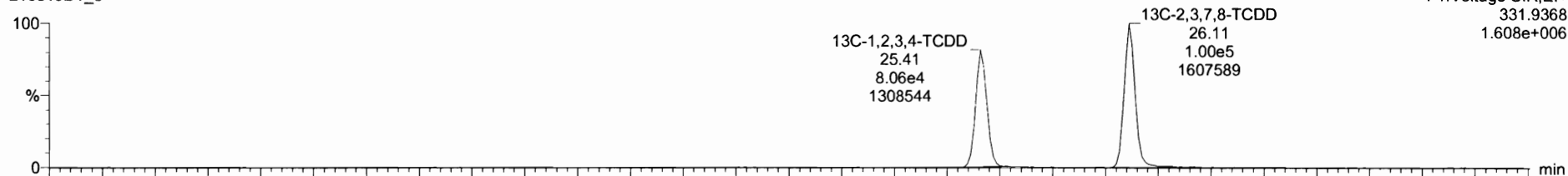


210319D1\_3

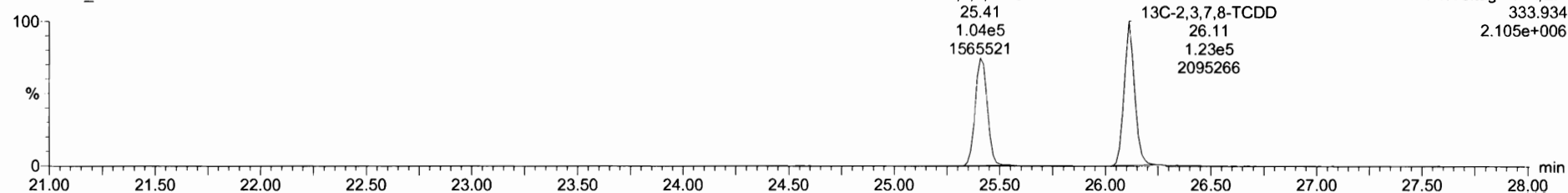


13C-2,3,7,8-TCDD

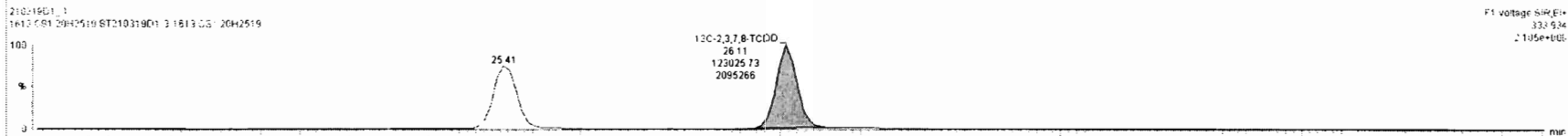
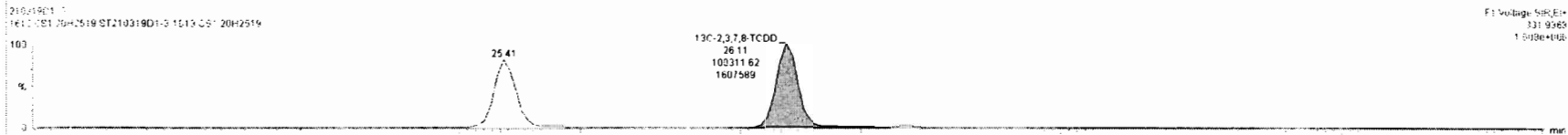
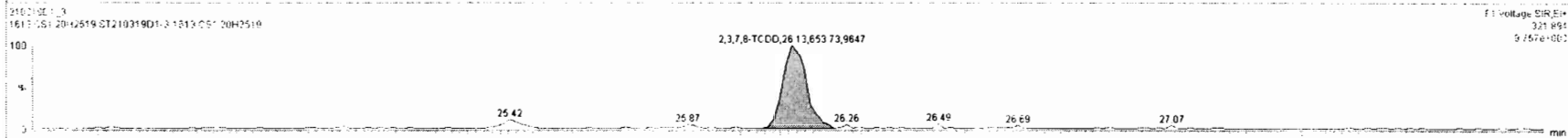
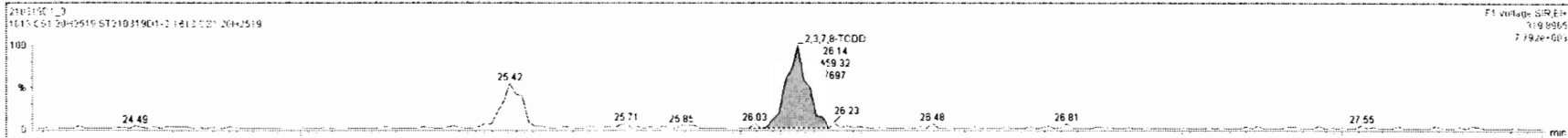
210319D1\_3



210319D1\_3



#	Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.54	1.001	2.36	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5	1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8	2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9	1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50





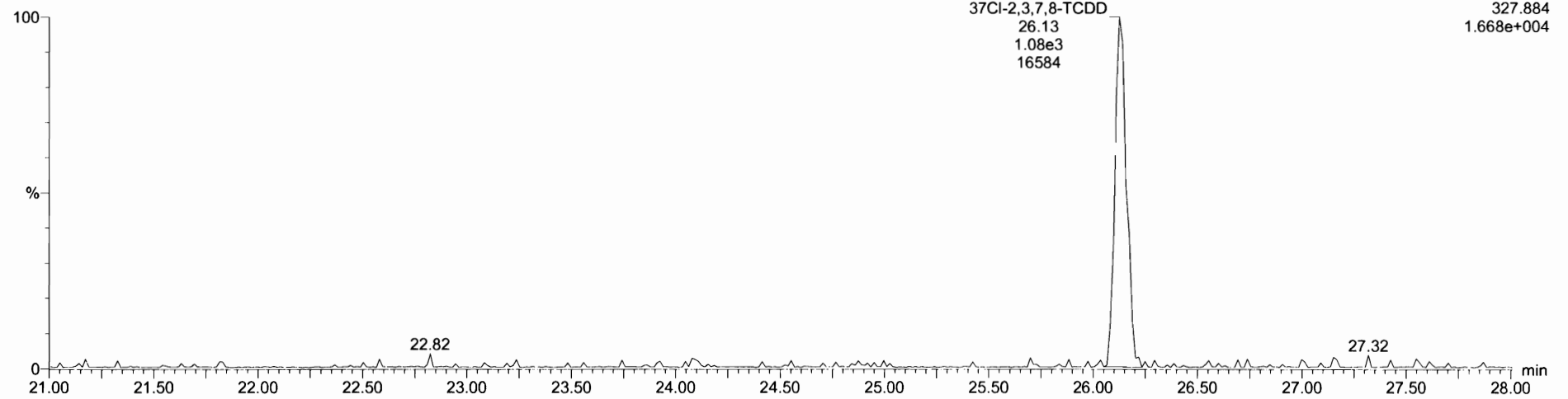
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

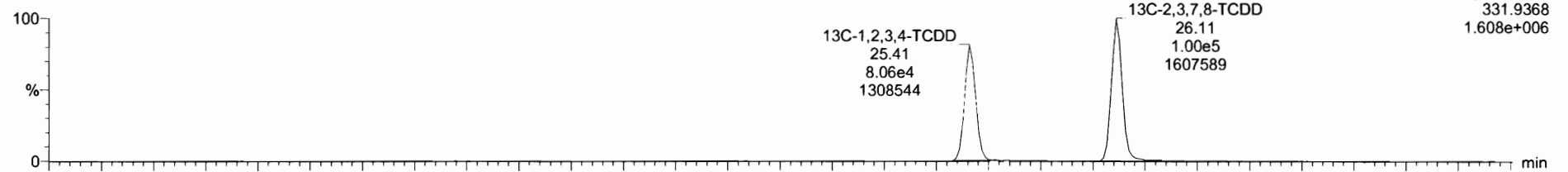
**37Cl-2,3,7,8-TCDD**

210319D1\_3

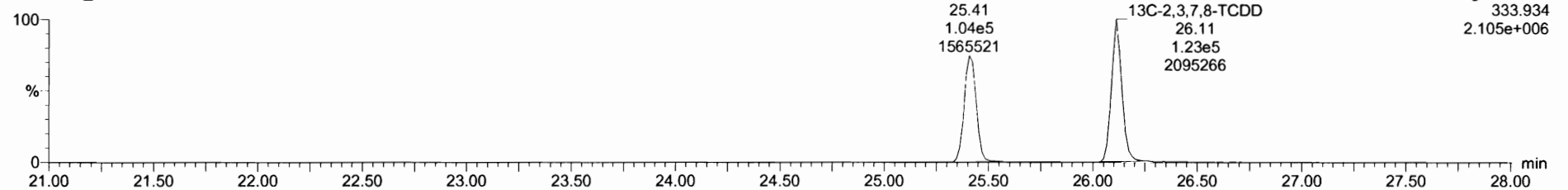


**13C-1,2,3,4-TCDD**

210319D1\_3



210319D1\_3



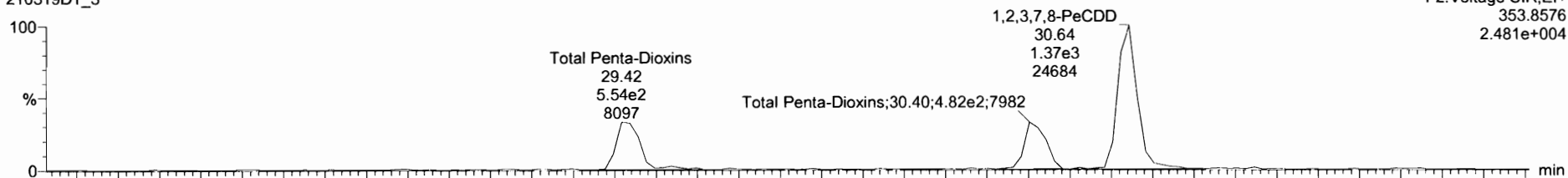
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

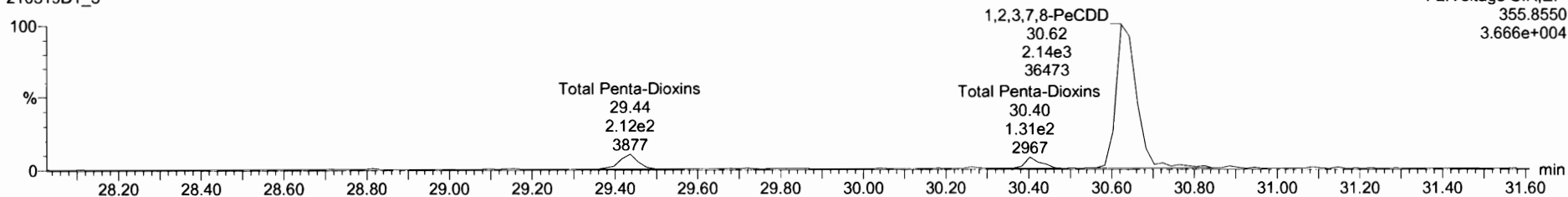
**1,2,3,7,8-PeCDD**

210319D1\_3



F2:Voltage SIR,EI+  
353.8576  
2.481e+004

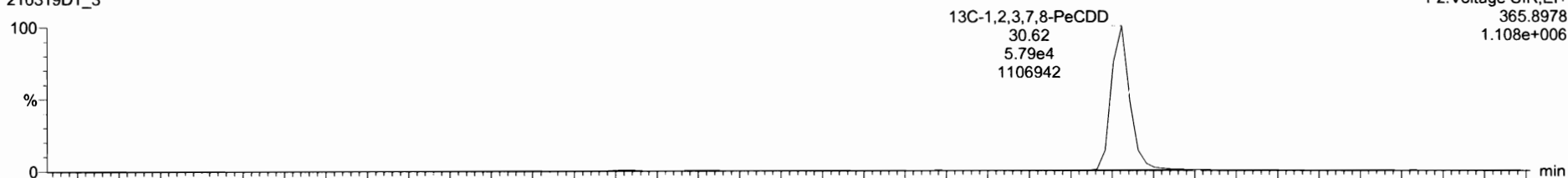
210319D1\_3



F2:Voltage SIR,EI+  
355.8550  
3.666e+004

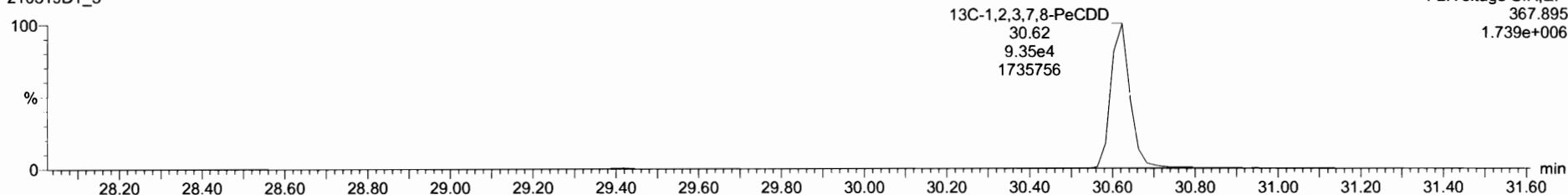
**13C-1,2,3,7,8-PeCDD**

210319D1\_3



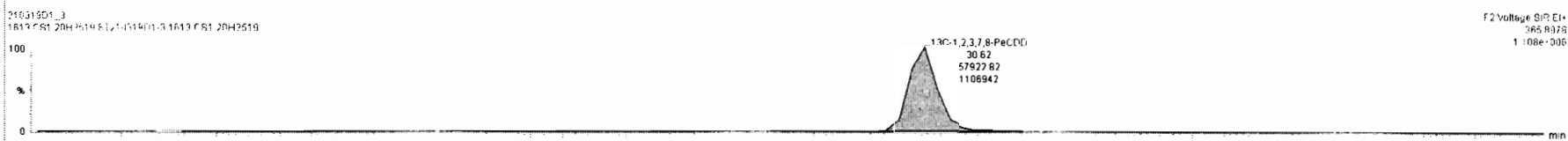
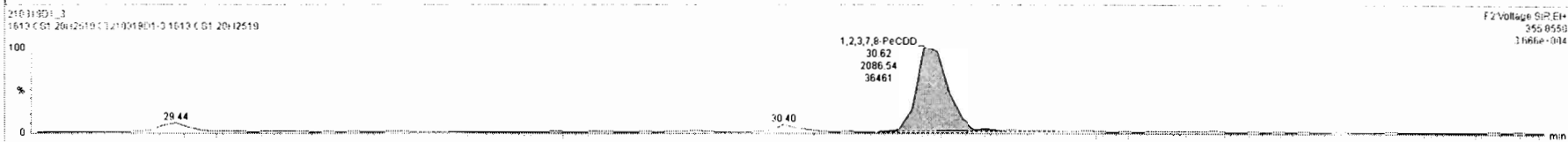
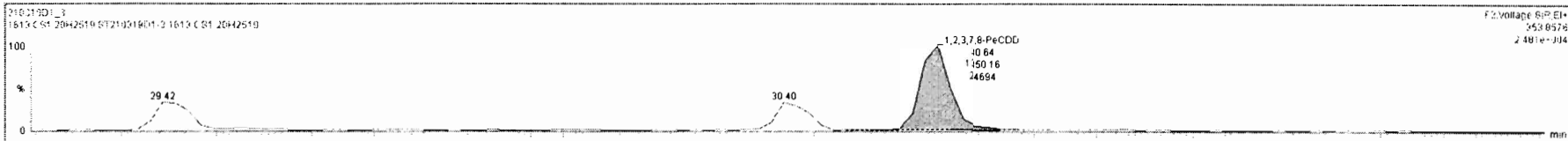
F2:Voltage SIR,EI+  
365.8978  
1.108e+006

210319D1\_3



F2:Voltage SIR,EI+  
367.895  
1.739e+006

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2 1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.86	1.000	30.64	1.001	2.38	94.4	0.0466	2.38
3 1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4 1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5 1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6 1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7 OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8 2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9 1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10 2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11 1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50



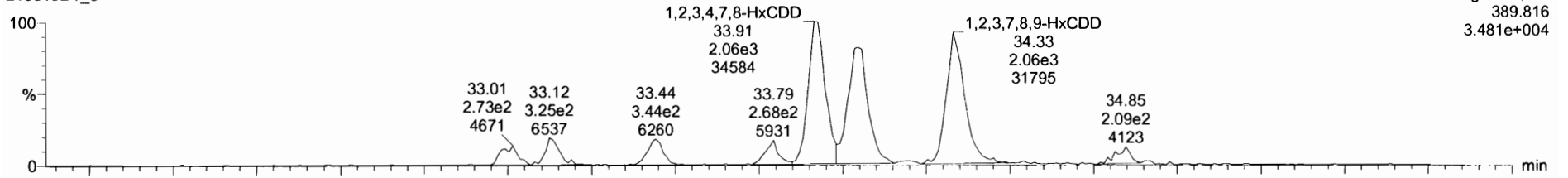
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

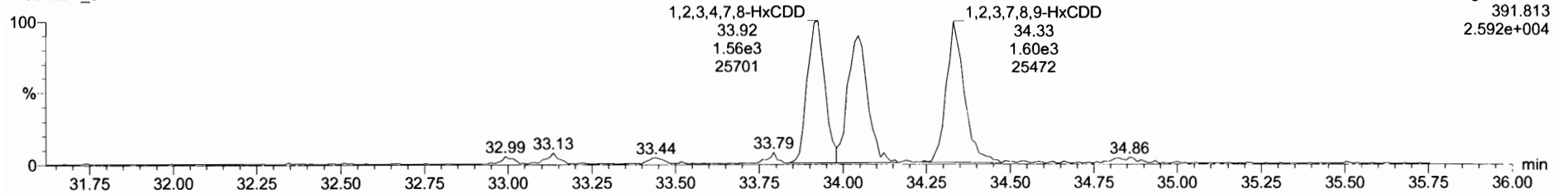
Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

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

210319D1\_3

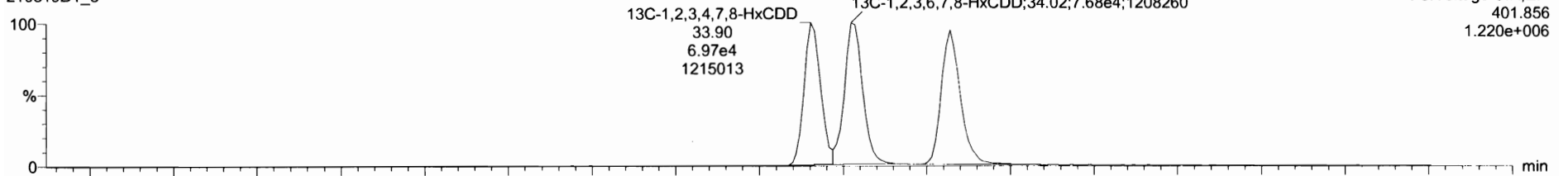


210319D1\_3

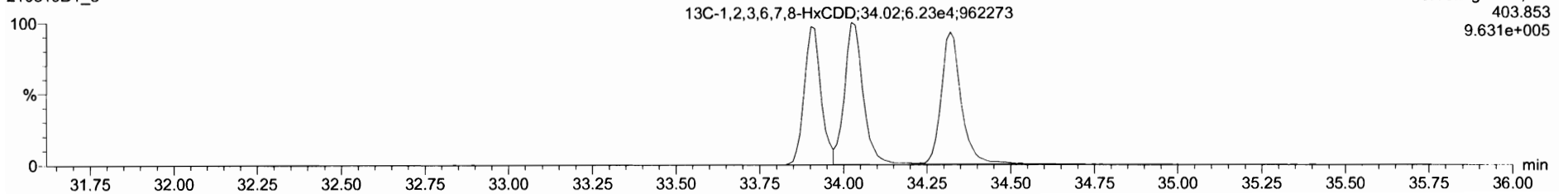


**13C-1,2,3,4,7,8-HxCDD**

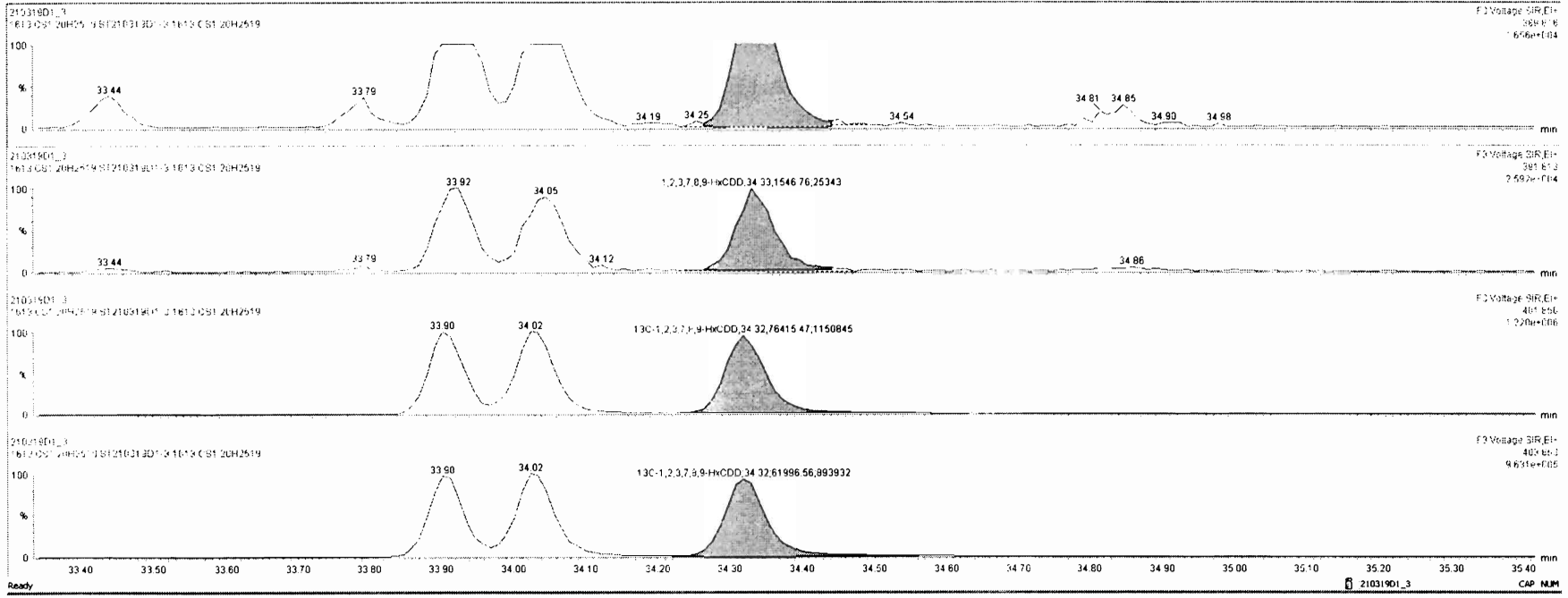
210319D1\_3



210319D1\_3



Name	Resp	RA	IV	RRF	WAVL	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2 1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3 1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.91	1.000	2.48	95.1	0.0760	2.48
4 1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5 1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6 1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7 OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8 2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9 1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10 2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11 1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50



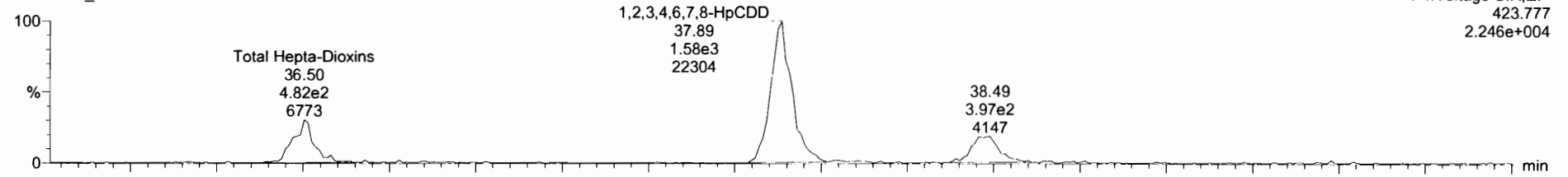
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

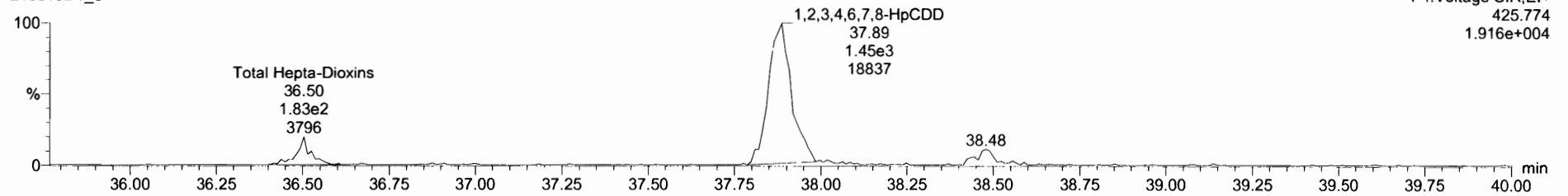
Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

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

210319D1\_3

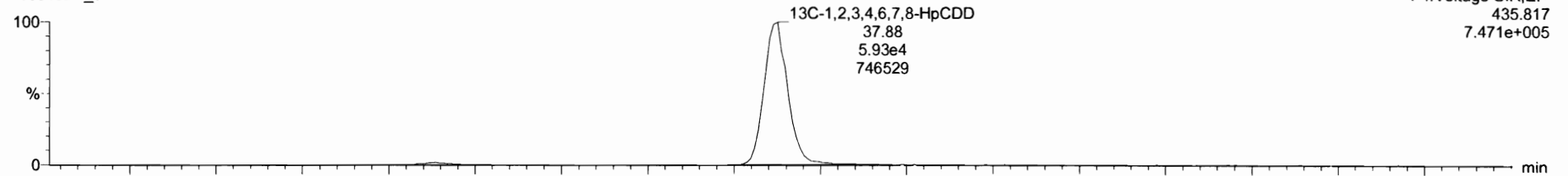


210319D1\_3

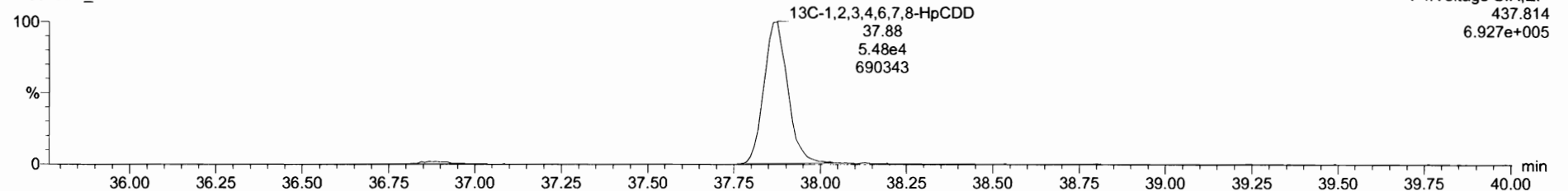


13C-1,2,3,4,6,7,8-HpCDD

210319D1\_3



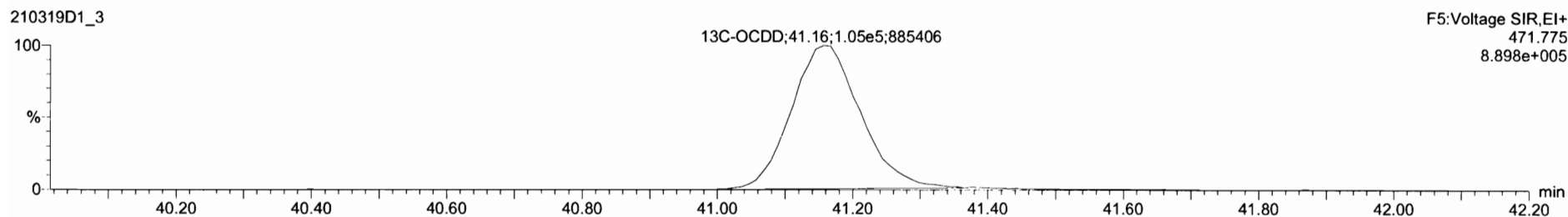
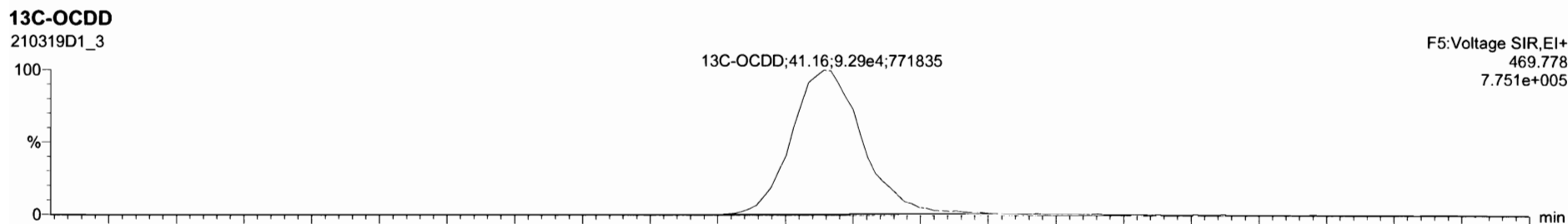
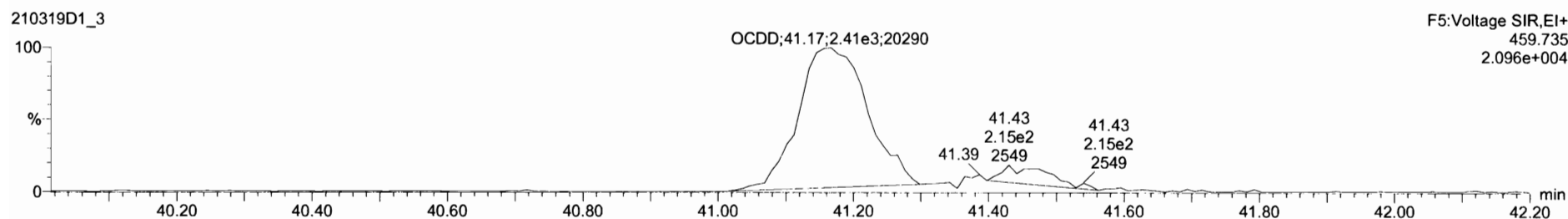
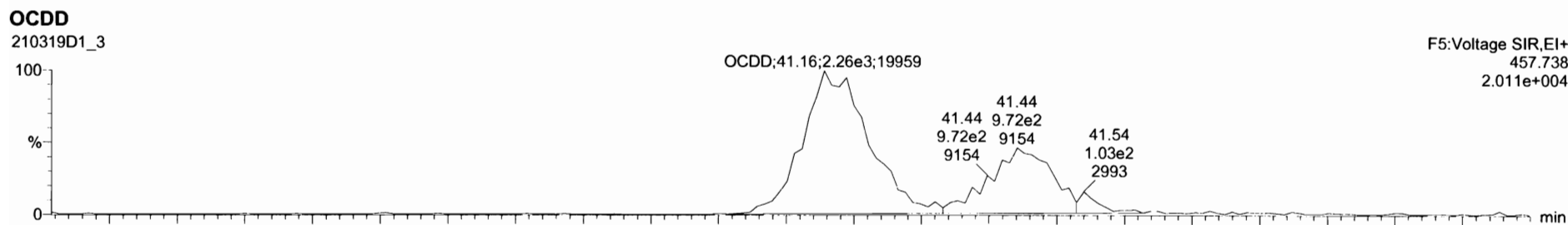
210319D1\_3



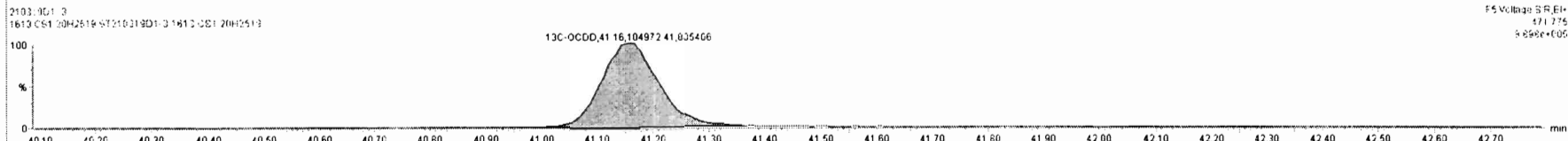
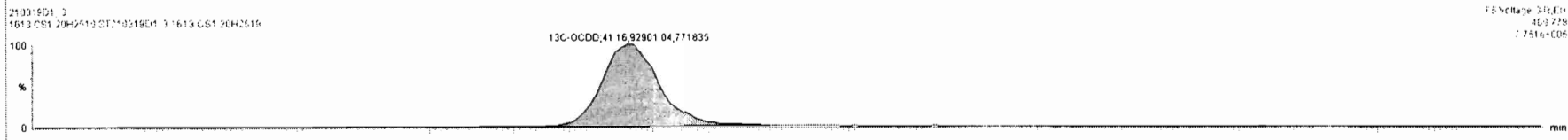
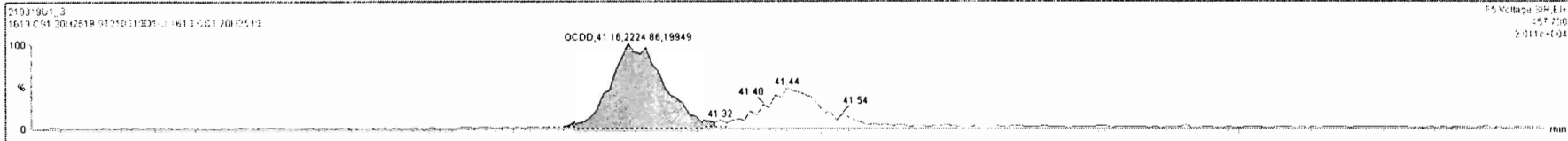
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519



#	Name	Resp	RA	n/y	RRF	wfMol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.18	1.000	33.81	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5	1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	88.1	0.332	4.95
8	2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9	1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	1,2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50





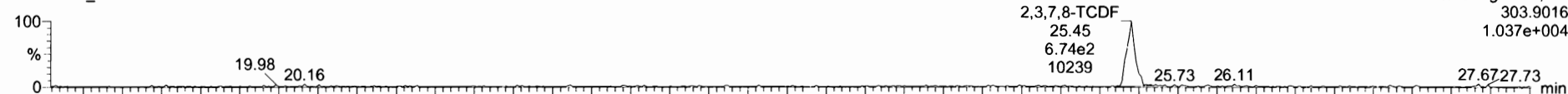
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

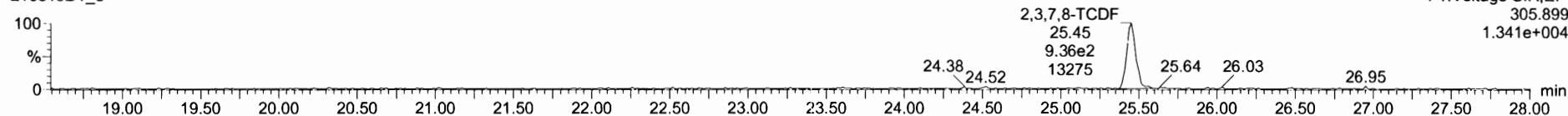
**2,3,7,8-TCDF**

210319D1\_3



F1: Voltage SIR, EI+  
303.9016  
1.037e+004

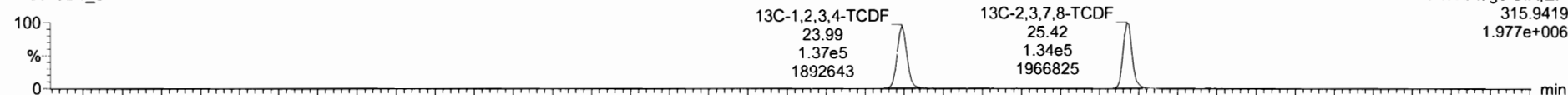
210319D1\_3



F1: Voltage SIR, EI+  
305.899  
1.341e+004

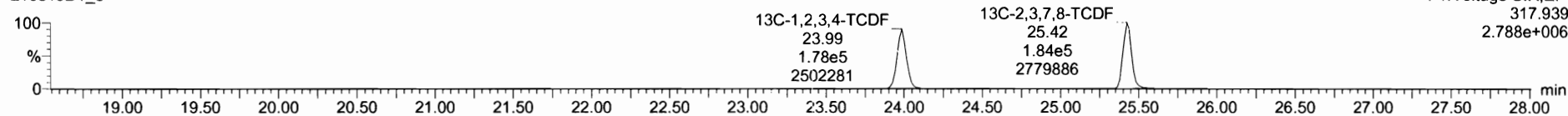
**13C-2,3,7,8-TCDF**

210319D1\_3



F1: Voltage SIR, EI+  
315.9419  
1.977e+006

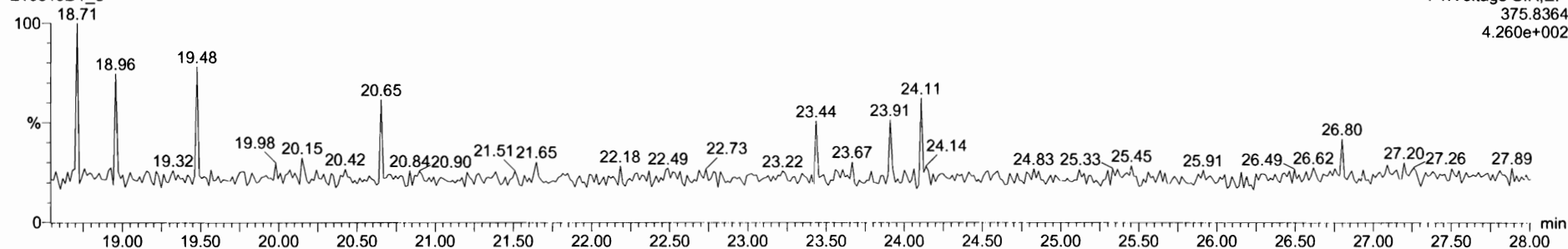
210319D1\_3



F1: Voltage SIR, EI+  
317.939  
2.788e+006

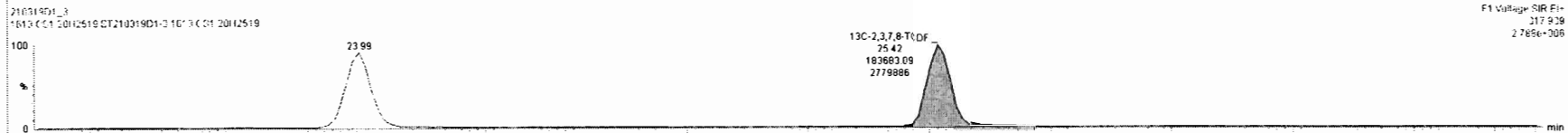
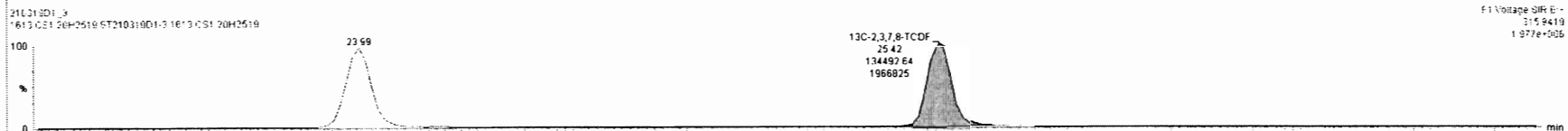
**DPE1**

210319D1\_3



F1: Voltage SIR, EI+  
375.8364  
4.260e+002

Name	Resp	RA	nly	RRF	wtval	RT	PRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.9	0.0248	0.500
2 1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3 1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.16	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4 1,2,3,6,7,8-HxCDD	3.60e3	1.25	NO	1.04	1.000	34.05	1.001	2.49	99.5	0.0851	2.49
5 1,2,3,7,8,9-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6 1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7 OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8 2,3,7,8-TCDF	1.80e3	0.72	NO	0.99	1.000	25.45	1.001	0.509	102	0.0203	0.509
9 1,2,3,7,8-PeCDF	5.92e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10 2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11 1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	99.8	0.0475	2.50

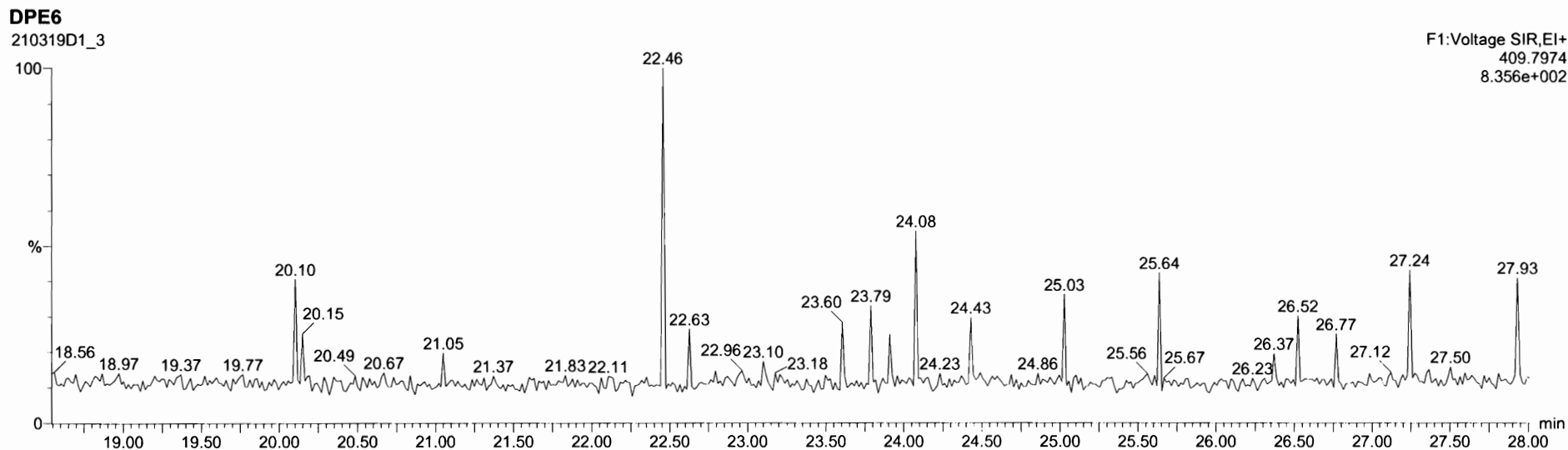
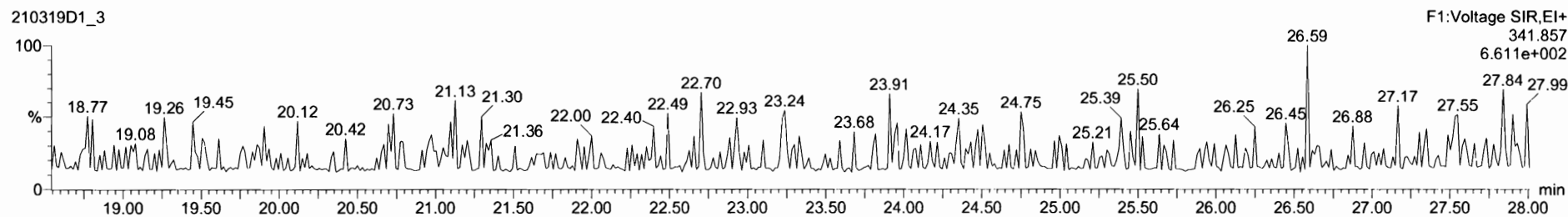
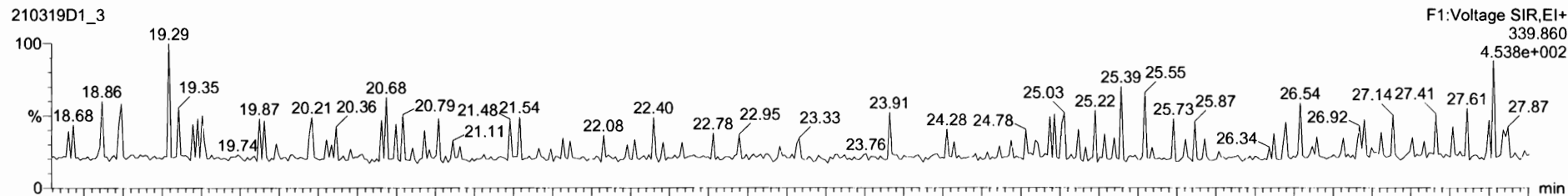


Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

1st Func. Penta-Furans



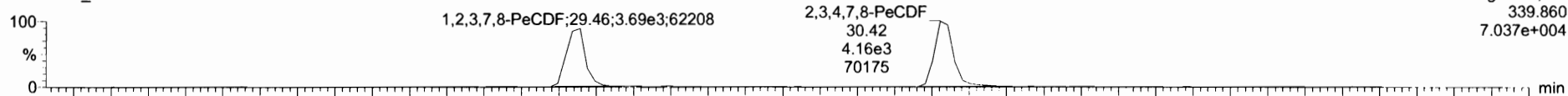
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

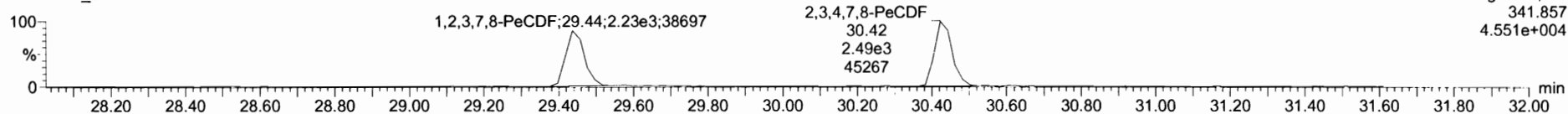
**1,2,3,7,8-PeCDF**

210319D1\_3



F2:Voltage SIR,EI+  
339.860  
7.037e+004

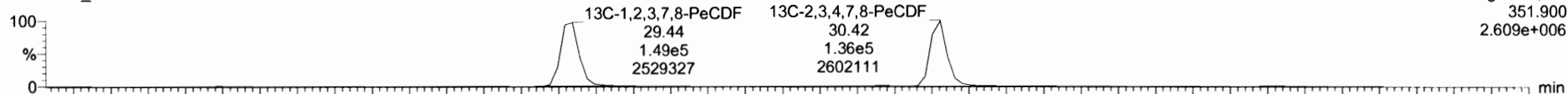
210319D1\_3



F2:Voltage SIR,EI+  
341.857  
4.551e+004

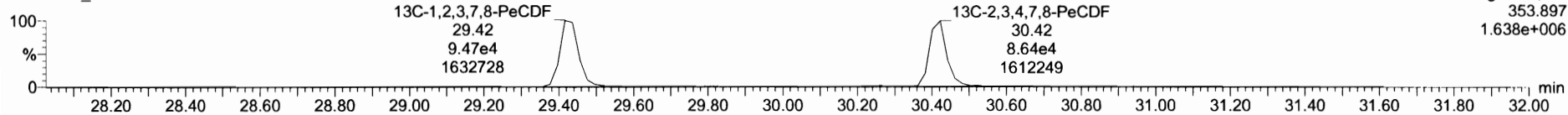
**13C-1,2,3,7,8-PeCDF**

210319D1\_3



F2:Voltage SIR,EI+  
351.900  
2.609e+006

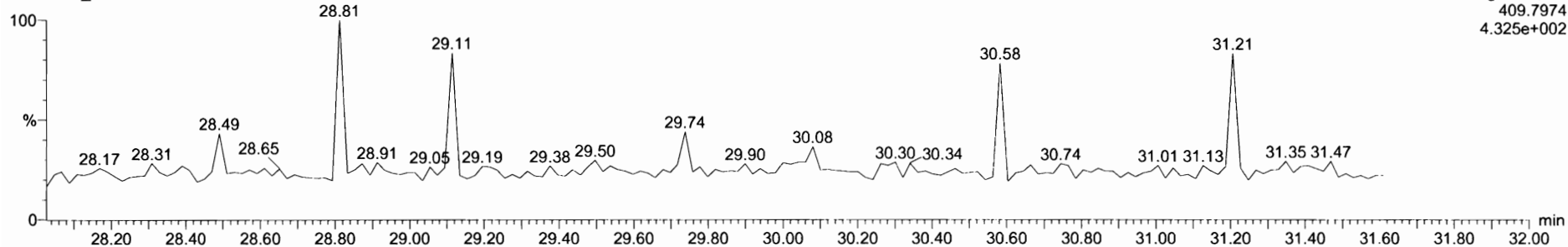
210319D1\_3



F2:Voltage SIR,EI+  
353.897  
1.638e+006

**DPE2**

210319D1\_3



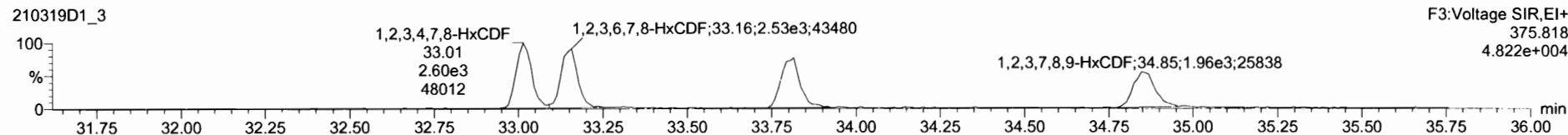
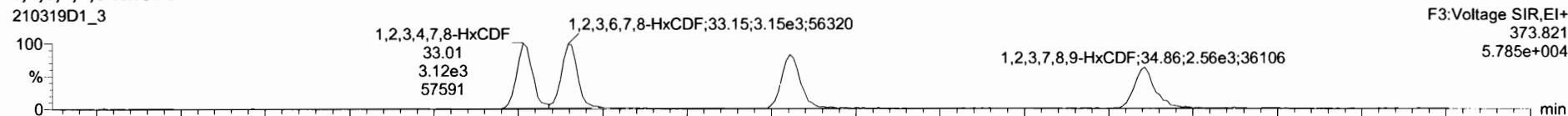
F2:Voltage SIR,EI+  
409.7974  
4.325e+002

Dataset: Untitled

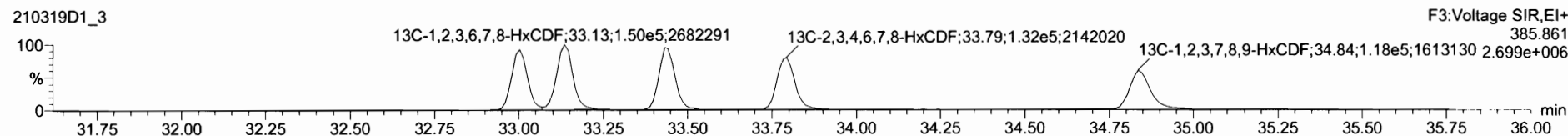
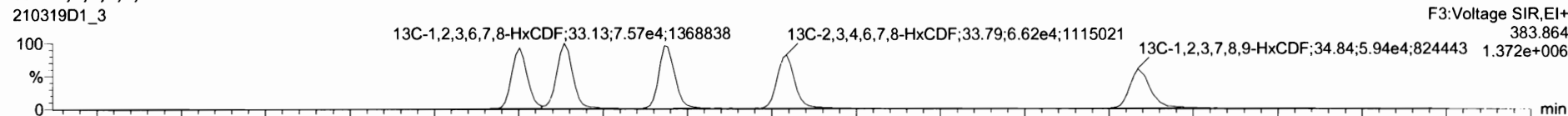
Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_3, Date: 19-Mar-2021, Time: 09:06:00, ID: ST210319D1-3 1613 CS1 20H2519, Description: 1613 CS1 20H2519

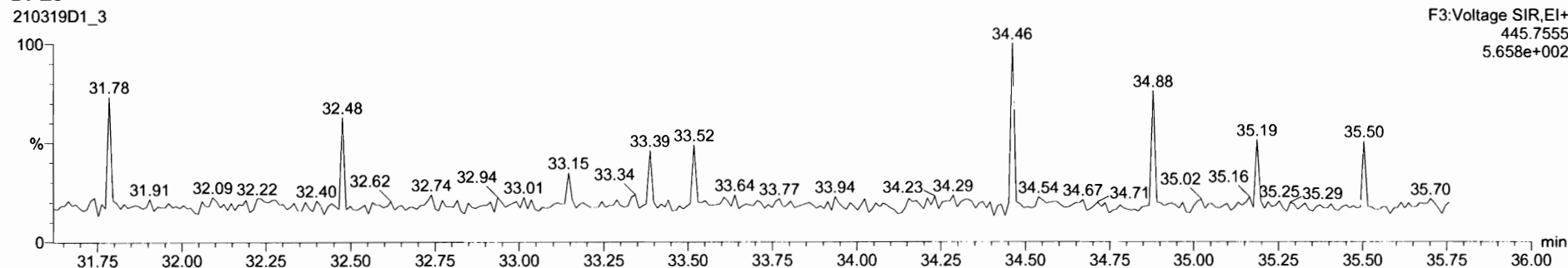
**1,2,3,4,7,8-HxCDF**



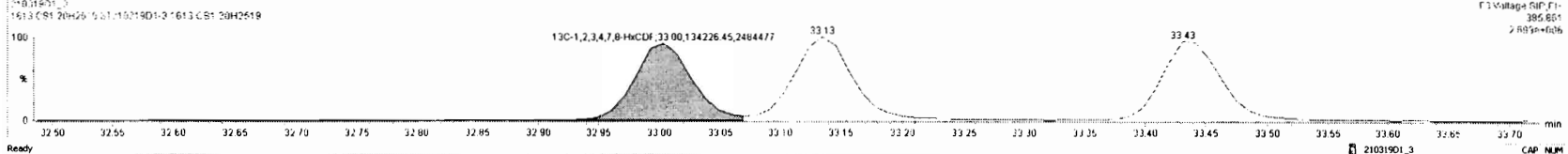
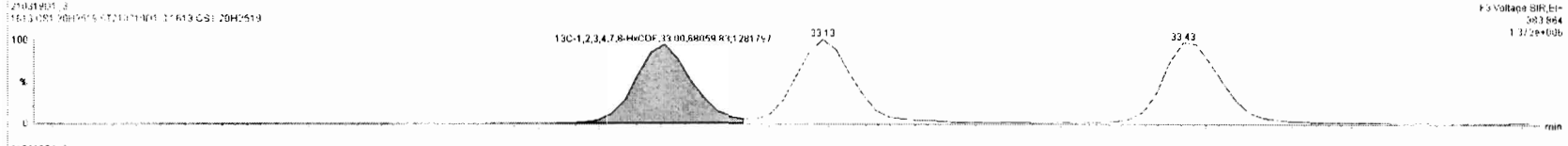
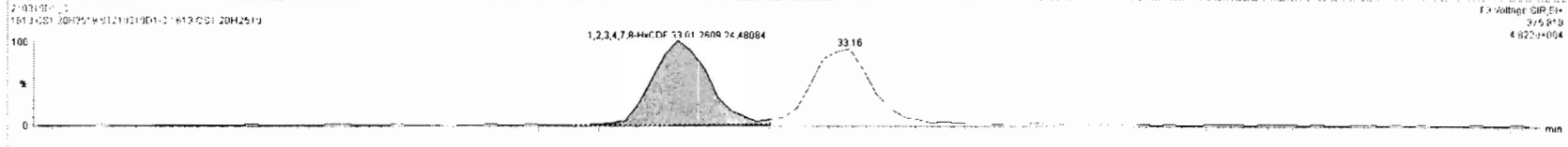
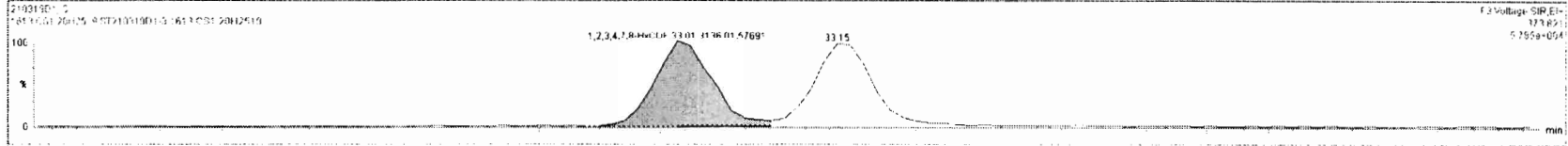
**13C-1,2,3,4,7,8-HxCDF**



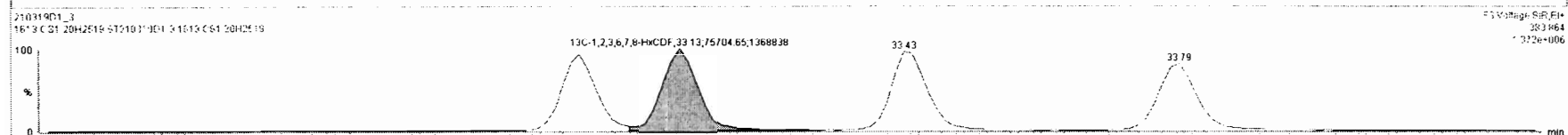
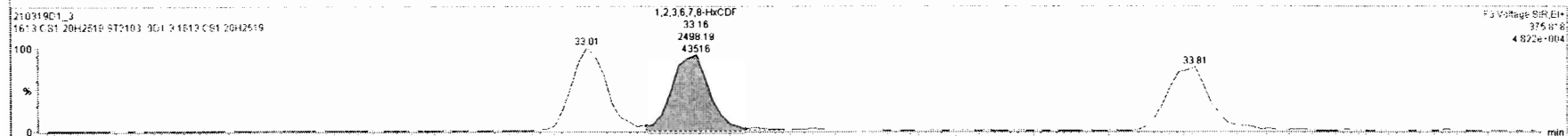
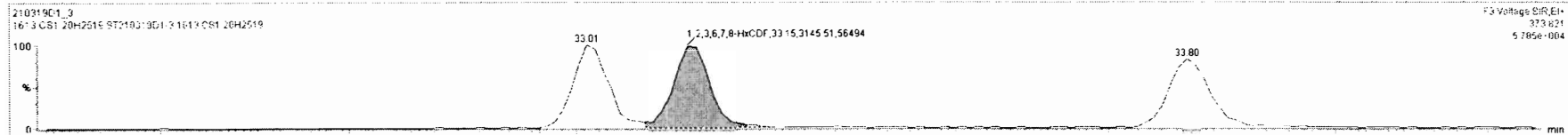
**DPE3**



#	Name	Resp	RA	rvj	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.11e3	0.70	NO	1.00	1.000	26.14	1.001	0.500	99.5	0.0246	0.500
2	1,2,3,7,8-PeCDD	3.44e3	0.65	NO	0.96	1.000	30.64	1.001	2.36	94.4	0.0466	2.36
3	1,2,3,4,7,8-HxCDD	3.62e3	1.32	NO	1.16	1.000	33.91	1.000	2.48	99.1	0.0760	2.48
4	1,2,3,6,7,8-HxCDD	3.50e3	1.25	NO	1.04	1.000	34.05	1.001	2.45	98.5	0.0851	2.49
5	1,2,3,7,8-HxCDD	3.57e3	1.31	NO	1.06	1.000	34.33	1.000	2.44	97.5	0.0877	2.44
6	1,2,3,4,6,7,8-HpCDD	3.04e3	1.09	NO	1.06	1.000	37.89	1.000	2.51	100	0.0853	2.51
7	OCDD	4.79e3	0.87	NO	0.98	1.000	41.16	1.000	4.95	99.1	0.332	4.95
8	2,3,7,8-TCDF	1.60e3	0.72	NO	0.99	1.000	25.45	1.001	0.505	102	0.0203	0.509
9	1,2,3,7,8-PeCDF	5.90e3	1.66	NO	1.02	1.000	29.46	1.001	2.38	95.1	0.0494	2.38
10	2,3,4,7,8-PeCDF	6.65e3	1.67	NO	1.17	1.000	30.42	1.000	2.55	102	0.0419	2.55
11	1,2,3,4,7,8-HxCDF	5.75e3	1.20	NO	1.14	1.000	33.01	1.000	2.50	98.8	0.0475	2.50

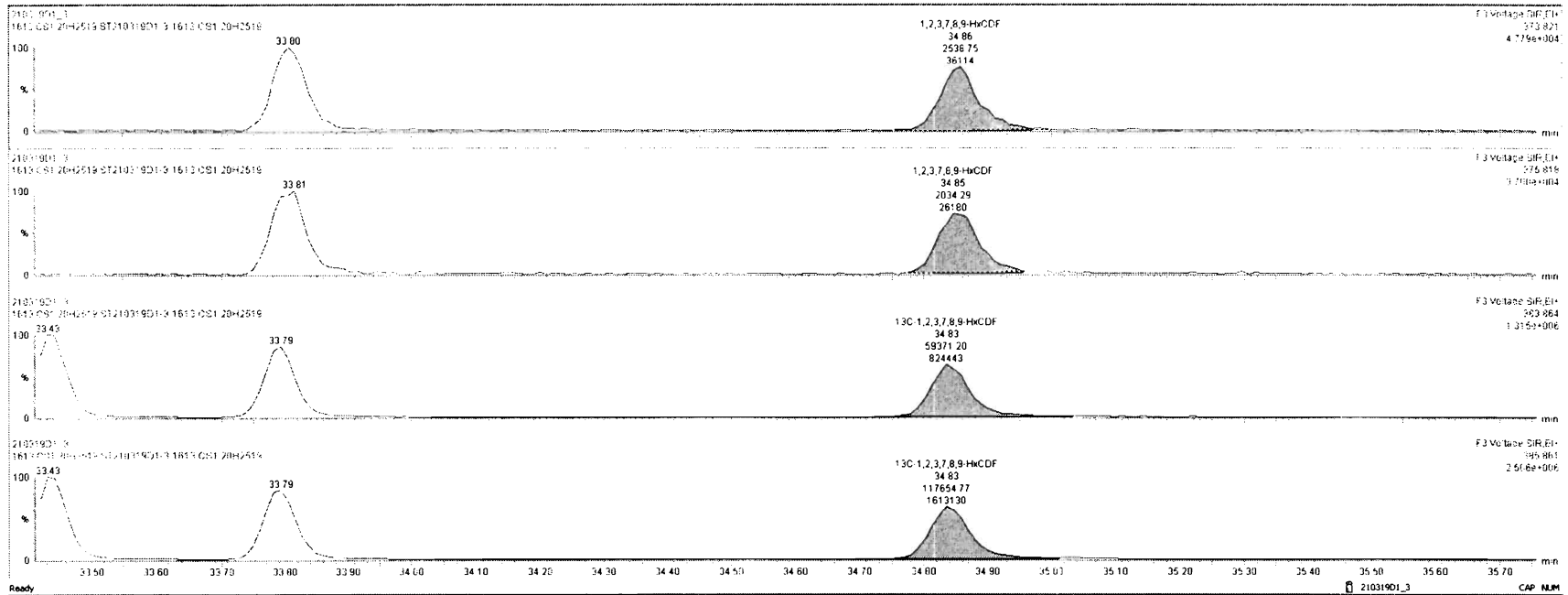


Name	Resp	RA	n/y	RF	WAVL	RT	RRT	Conc.	%Rec	DL	EMPC
12 1,2,3,6,7,8-HxCDF	5.54e3	1.26	NO	1.04	1.000	33.15	1.000	2.40	96.0	0.0484	2.40
13 2,3,4,6,7,8-HxCDF	5.46e3	1.26	NO	1.13	1.000	33.80	1.000	2.44	97.8	0.0547	2.44
14 1,2,3,7,8,9-HxCDF	4.57e3	1.25	NO	1.07	1.000	34.86	1.001	2.40	96.1	0.0779	2.40
15 1,2,3,4,6,7,8-HpCDF	4.61e3	1.03	NO	1.11	1.000	36.53	1.001	2.56	102	0.0658	2.56
16 1,2,3,4,7,8,9-HpCDF	3.80e3	0.99	NO	1.32	1.000	38.50	1.000	2.46	98.2	0.108	2.46
17 OCDF	6.53e3	0.87	NO	0.93	1.000	41.45	1.000	4.93	98.5	0.157	4.93
18 13C-2,3,7,8-TCDD	2.23e5	0.81	NO	1.20	1.000	26.11	1.028	101	101	0.172	
19 13C-1,2,3,7,8-PeCDD	1.51e5	0.62	NO	0.86	1.000	30.62	1.205	95.0	95.0	0.137	
20 13C-1,2,3,4,7,8-HxCDD	1.23e5	1.30	NO	0.60	1.000	33.90	1.014	96.0	96.0	0.214	
21 13C-1,2,3,6,7,8-HxCDD	1.39e5	1.23	NO	0.67	1.000	34.02	1.018	96.2	96.2	0.190	
22 13C-1,2,3,7,8,9-HxCDD	1.38e5	1.23	NO	0.68	1.000	34.32	1.027	95.11	95.1	0.189	



210319D1\_2 - ST210319D1-3 1613 C51 20H2519 - 1613 C51 20H2519

#	Name	Resp	RA	nV	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	5.64e3	1.26	NO	1.04	1.000	33.15	1.000	2.40	96.0	0.0484	2.40
13	2,3,4,6,7,8-HxCDF	5.49e3	1.26	NO	1.13	1.000	33.80	1.000	2.44	97.8	0.0547	2.44
14	1,2,3,7,8,9-HxCDF	4.57e3	1.25	NO	1.07	1.000	34.86	1.001	2.40	96.1	0.0779	2.40
15	1,2,3,4,6,7,8-HxCDF	4.61e3	1.03	NO	1.11	1.000	36.53	1.001	2.56	102	0.0858	2.56
16	1,2,3,4,7,8,9-HxCDF	3.80e3	0.99	NO	1.32	1.000	36.50	1.000	2.46	98.2	0.108	2.46
17	OCDF	6.53e3	0.87	NO	0.93	1.000	41.45	1.000	4.93	98.5	0.157	4.93
18	13C-2,3,7,8-TCDF	2.23e5	0.81	NO	1.20	1.000	26.11	1.026	1.01	1.01	0.172	
19	13C-1,2,3,7,8-PeCDD	1.51e5	0.62	NO	0.86	1.000	30.62	1.205	95.0	95.0	0.137	
20	13C-1,2,3,4,7,8-HxCDD	1.23e5	1.30	NO	0.60	1.000	33.90	1.014	96.0	96.0	0.214	
21	13C-1,2,3,6,7,8-HxCDD	1.39e5	1.23	NO	0.67	1.000	34.02	1.016	96.2	96.2	0.190	
22	13C-1,2,3,7,8,9-HxCDD	1.38e5	1.23	NO	0.66	1.000	34.32	1.027	95.1	95.1	0.189	



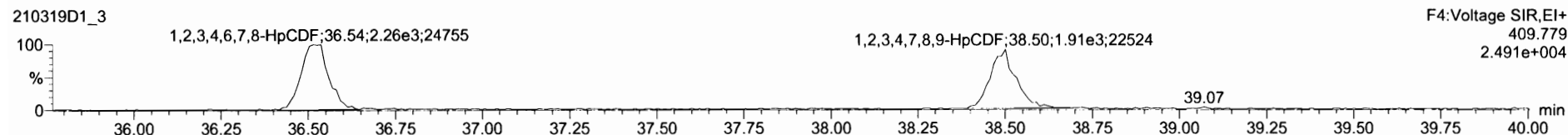
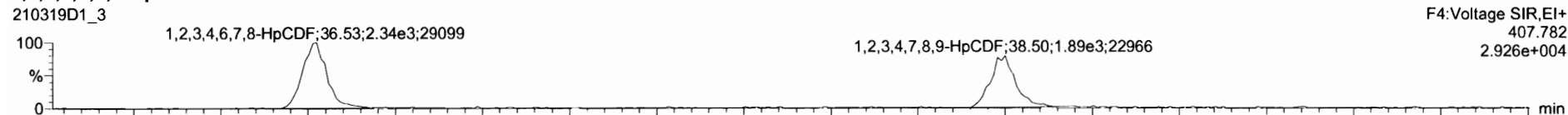


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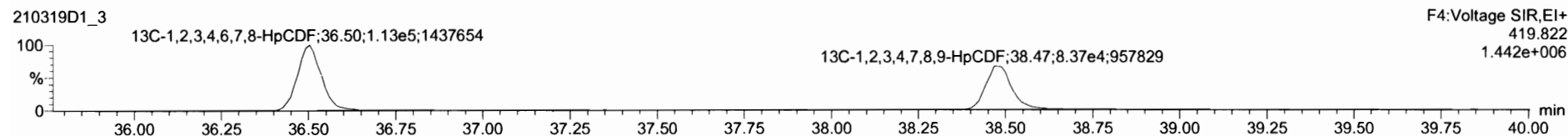
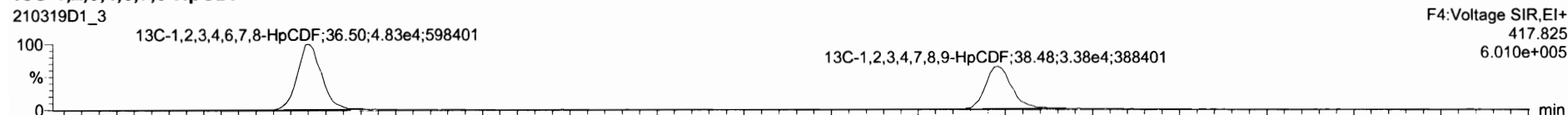
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

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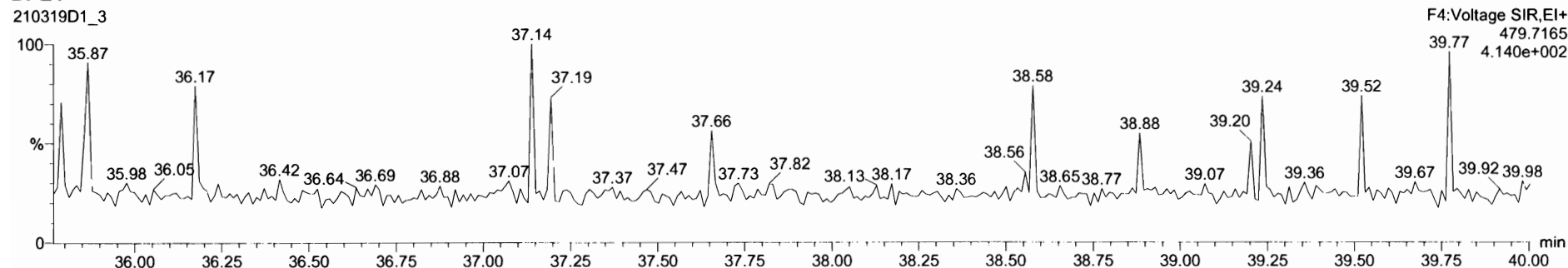
**1,2,3,4,6,7,8-HpCDF**



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



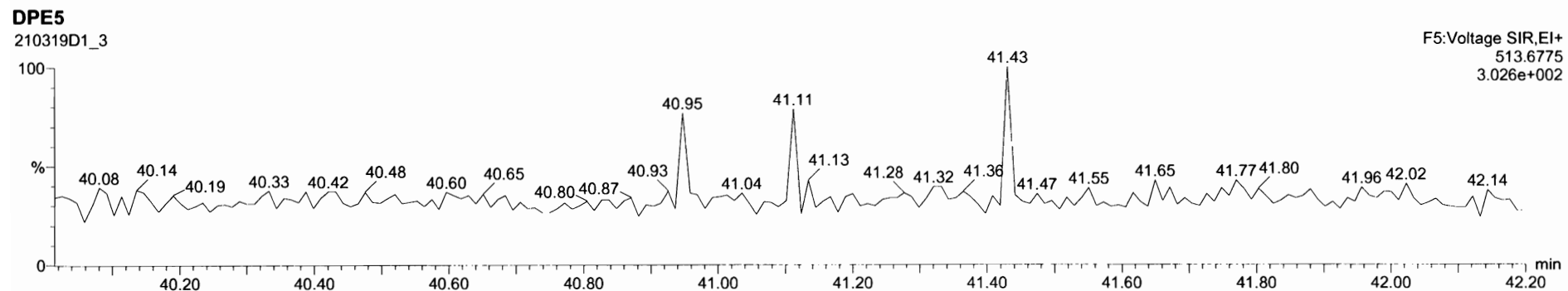
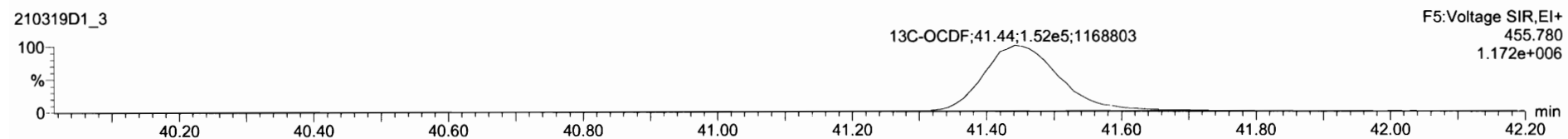
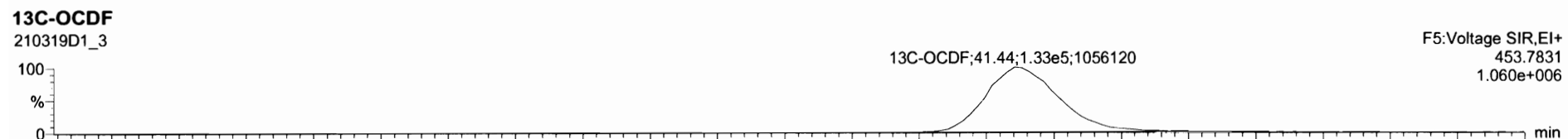
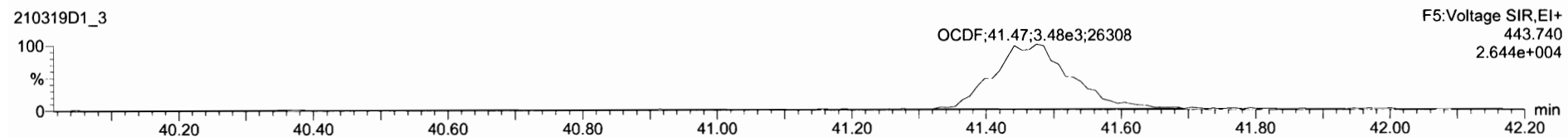
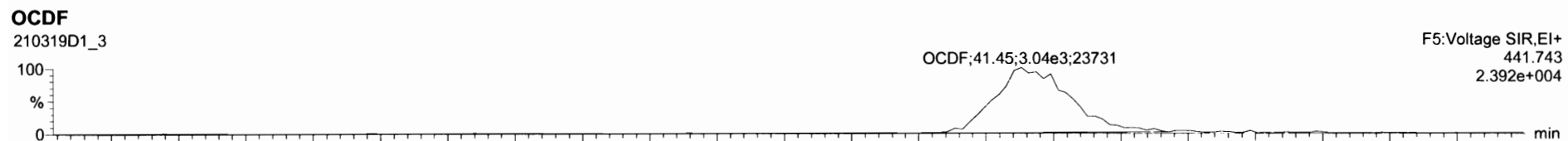
**DPE4**



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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

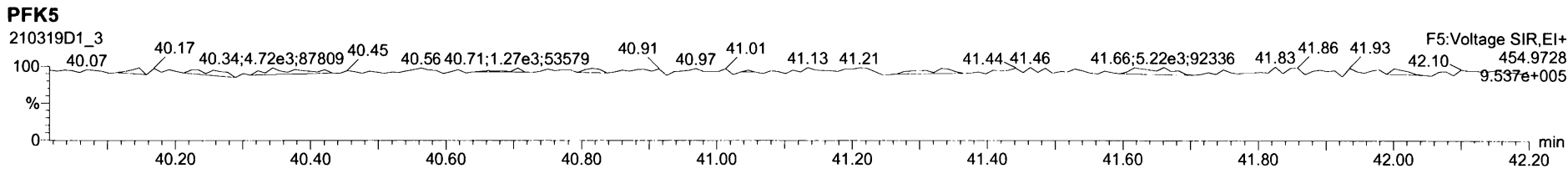
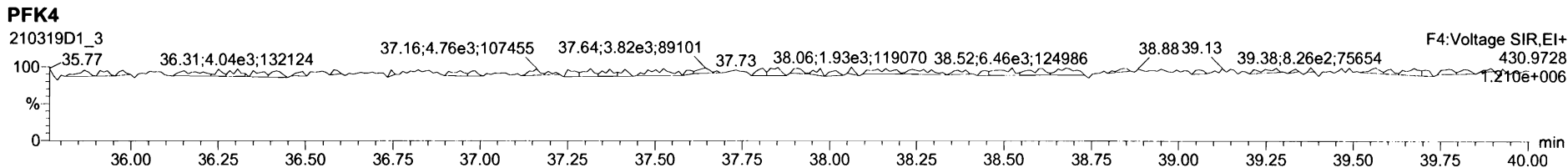
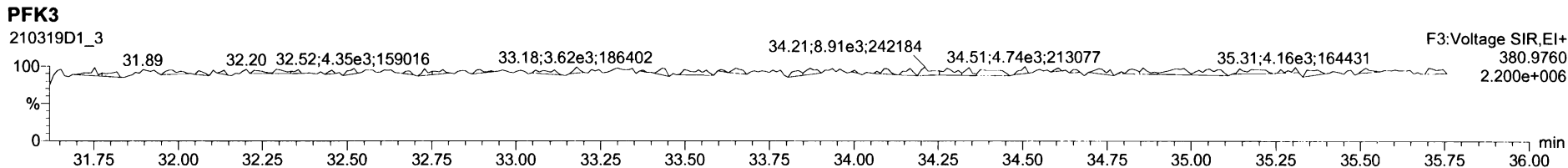
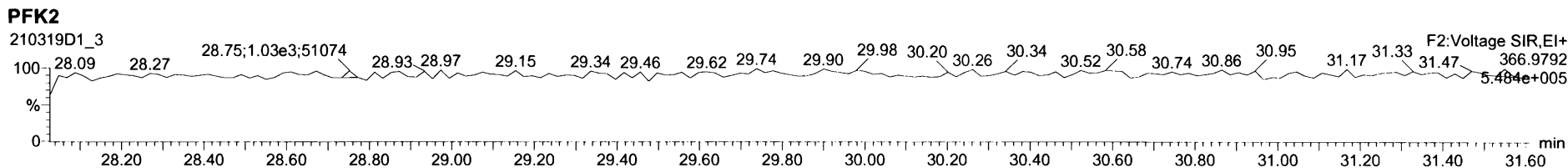
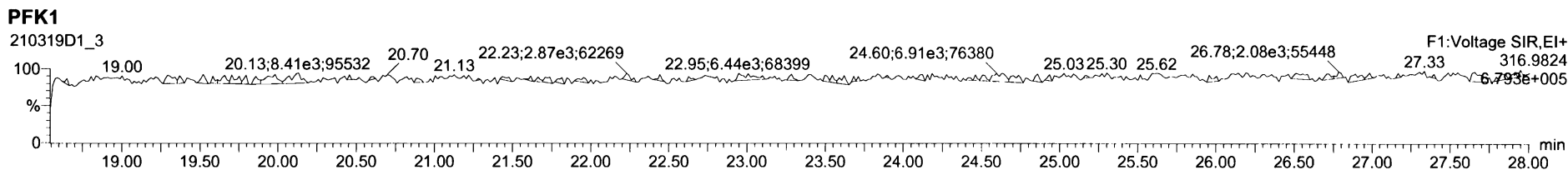
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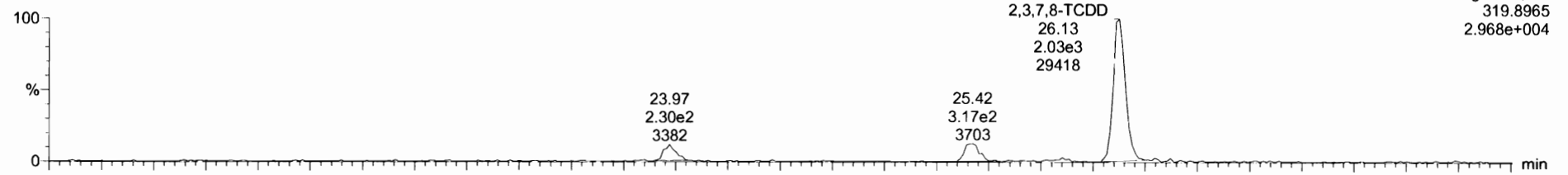
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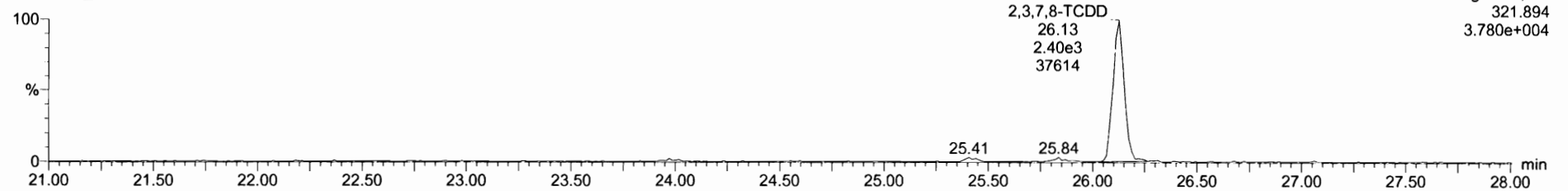
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2,3,7,8-TCDD

210319D1\_4

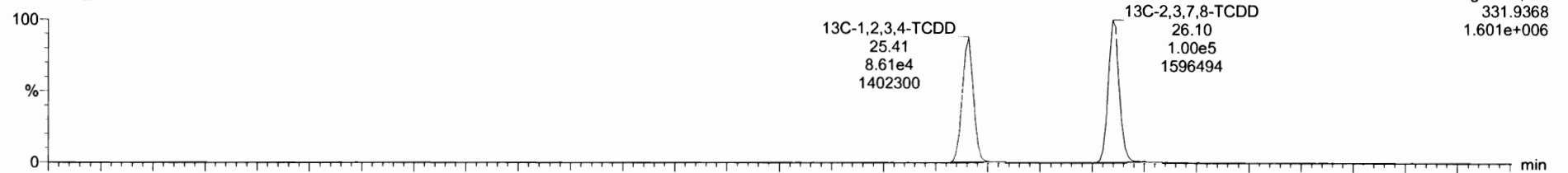


210319D1\_4

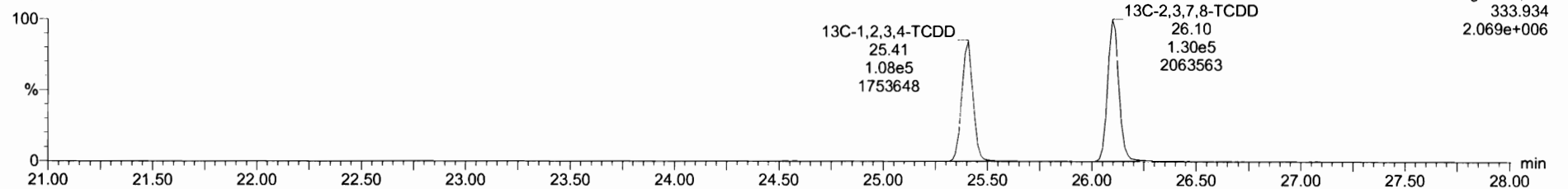


13C-2,3,7,8-TCDD

210319D1\_4



210319D1\_4



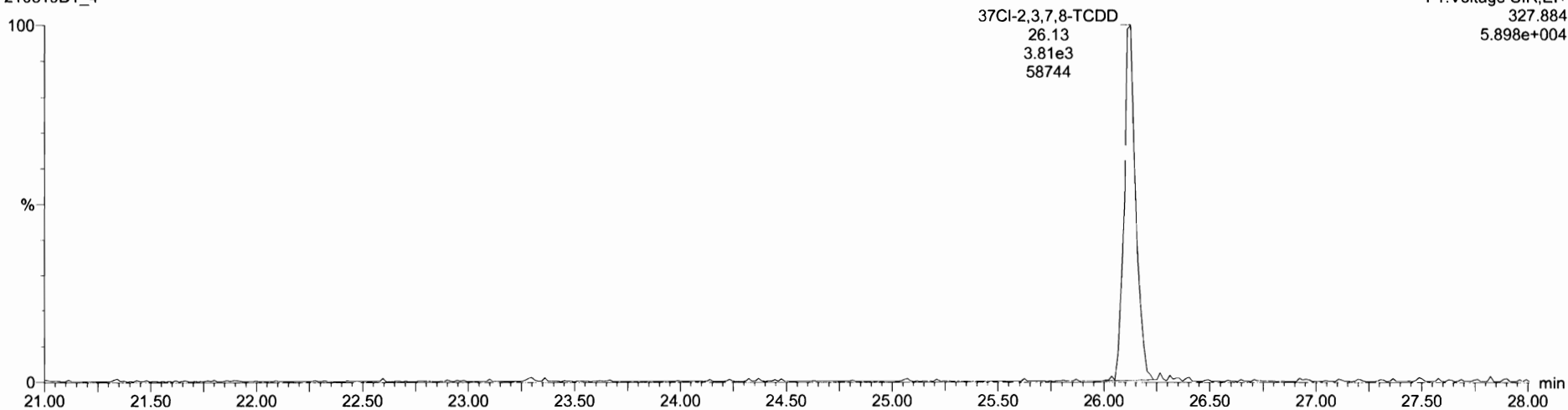
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

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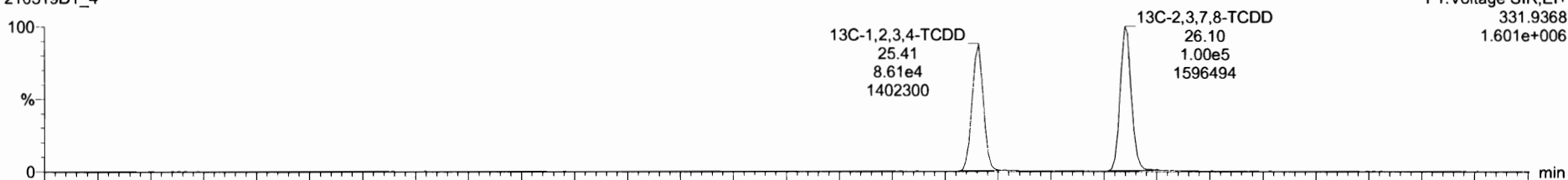
**37Cl-2,3,7,8-TCDD**

210319D1\_4

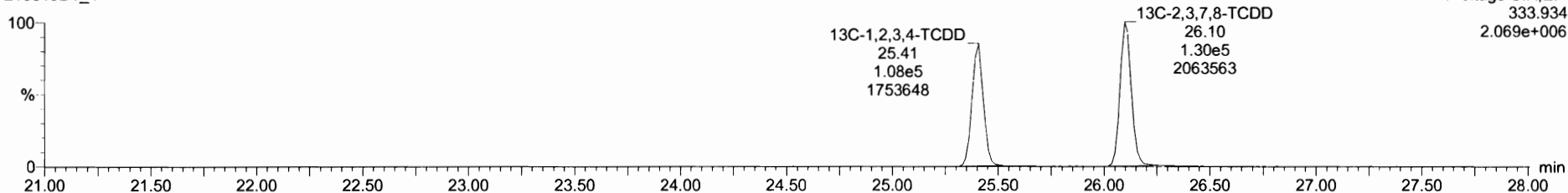


**13C-1,2,3,4-TCDD**

210319D1\_4



210319D1\_4



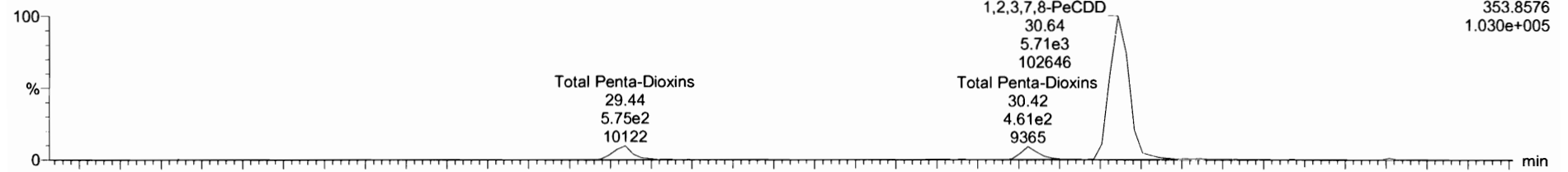
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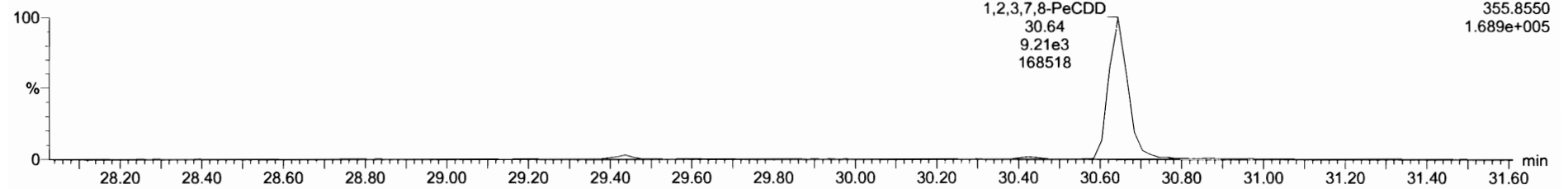
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**1,2,3,7,8-PeCDD**

210319D1\_4

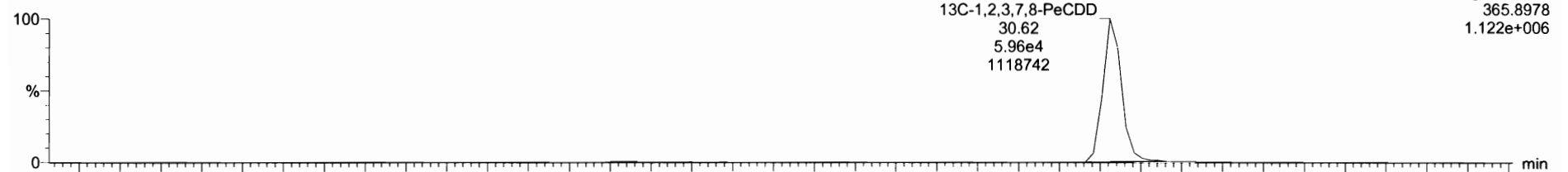


210319D1\_4

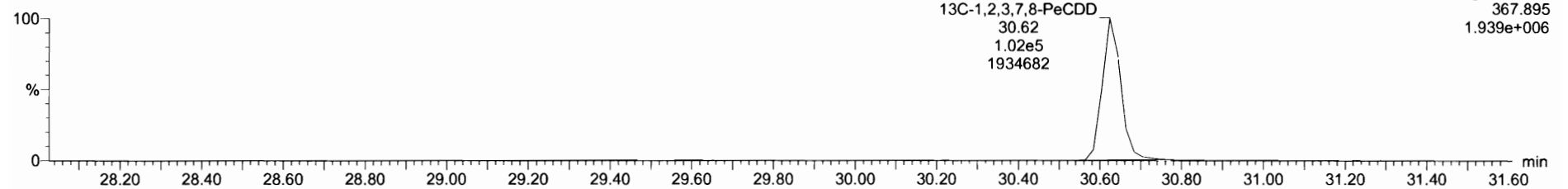


**13C-1,2,3,7,8-PeCDD**

210319D1\_4



210319D1\_4



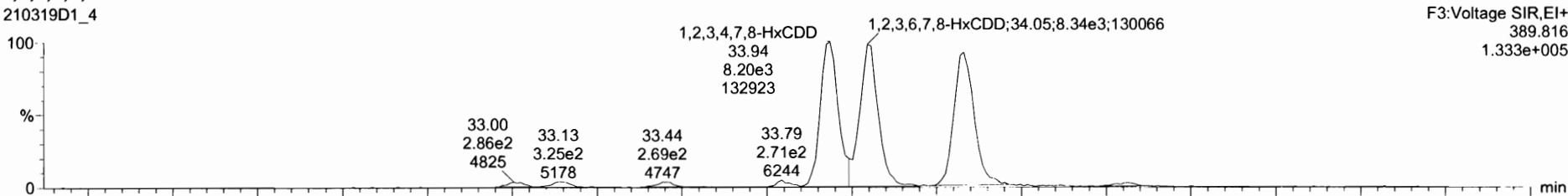
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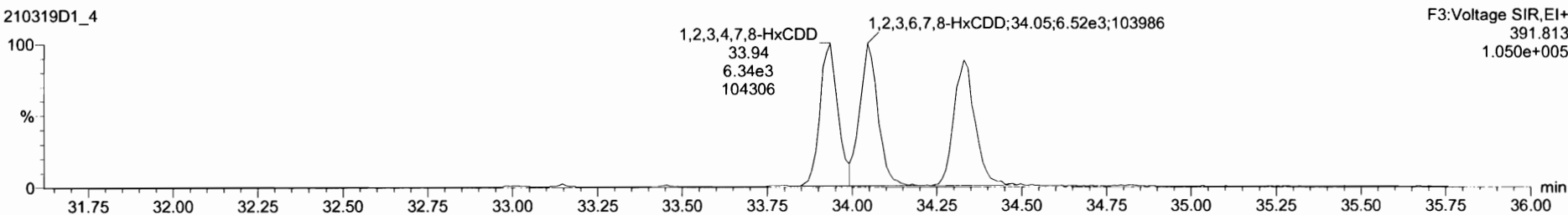
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**1,2,3,4,7,8-HxCDD**

210319D1\_4

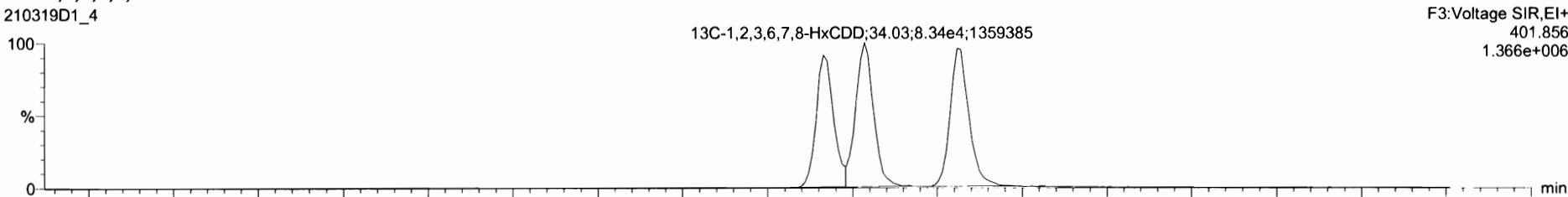


210319D1\_4

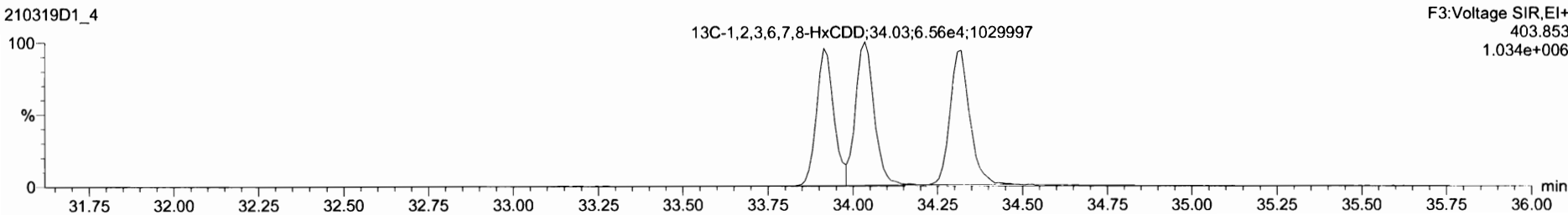


**13C-1,2,3,4,7,8-HxCDD**

210319D1\_4



210319D1\_4



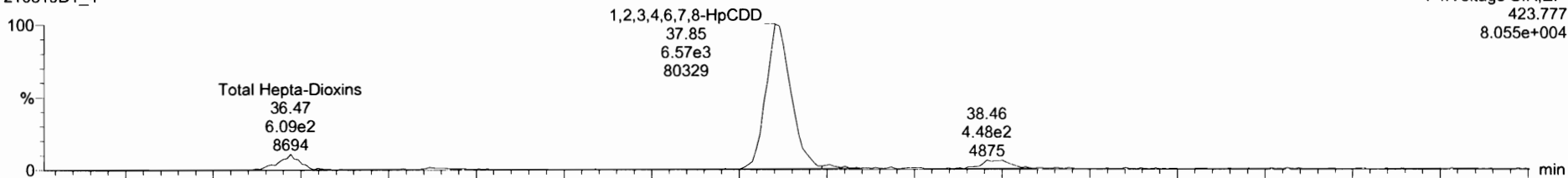
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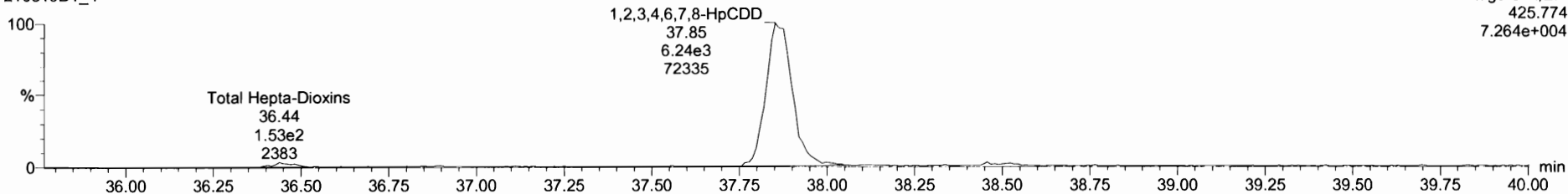
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**1,2,3,4,6,7,8-HpCDD**

210319D1\_4

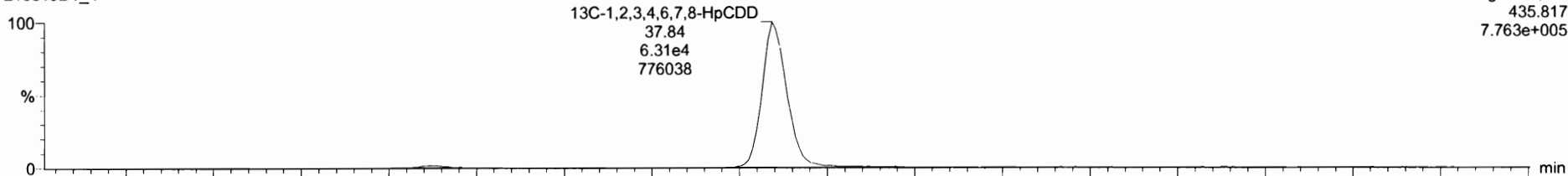


210319D1\_4

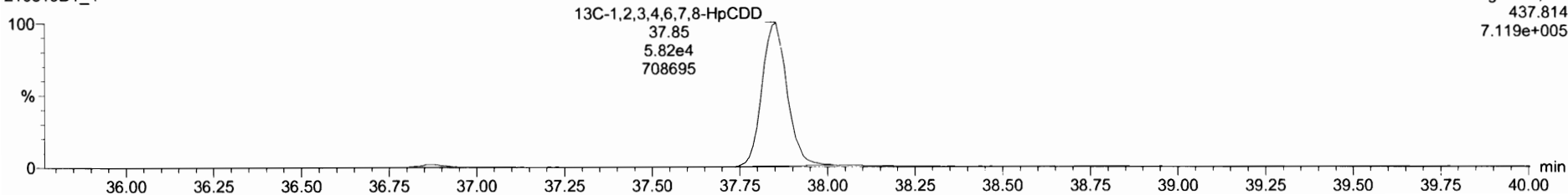


**13C-1,2,3,4,6,7,8-HpCDD**

210319D1\_4



210319D1\_4



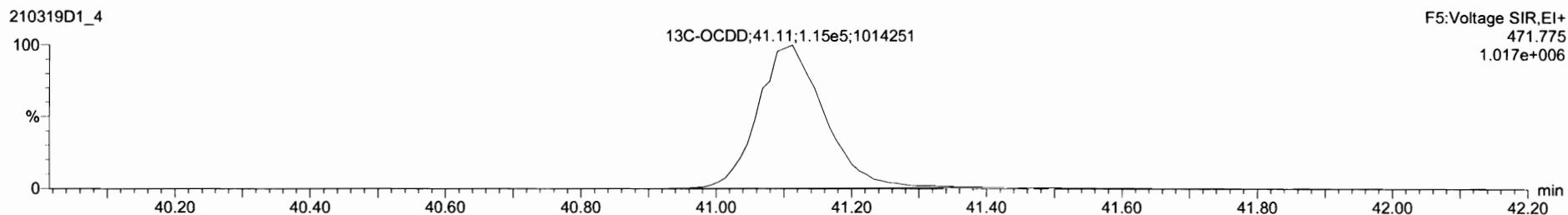
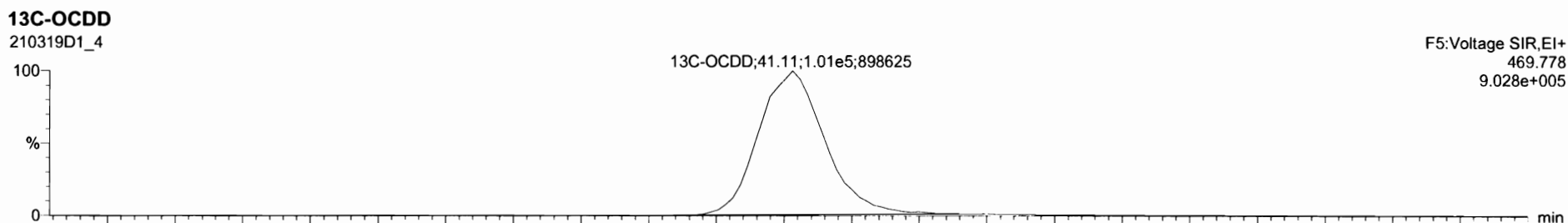
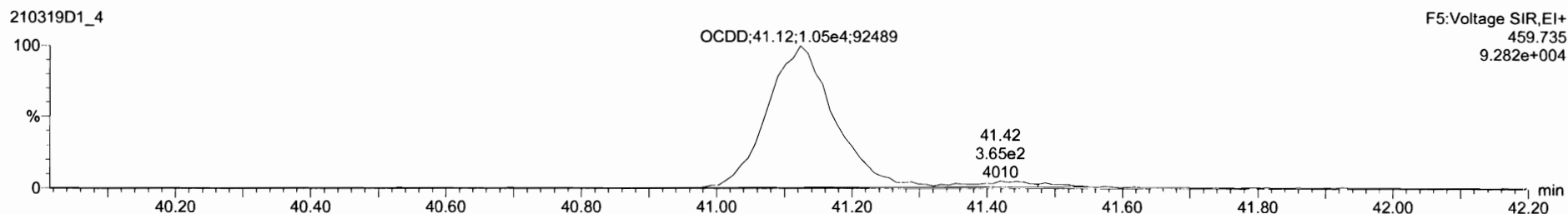
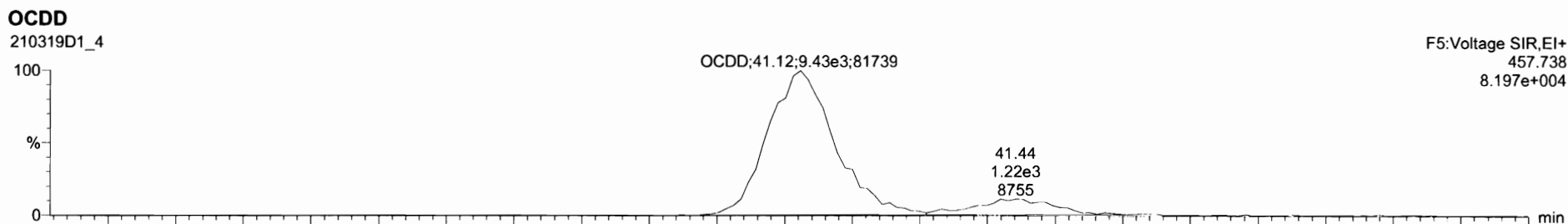


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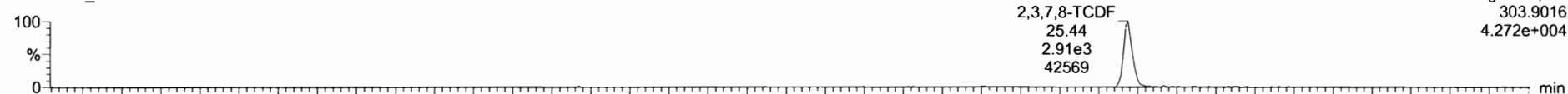
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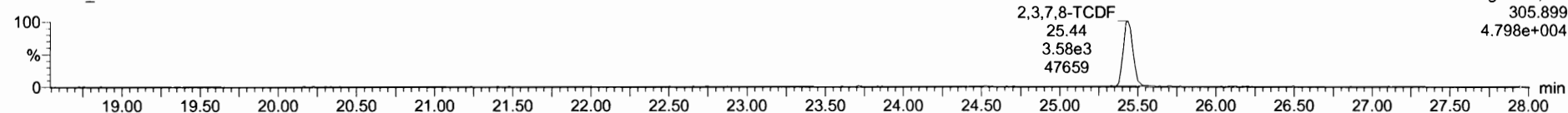
**2,3,7,8-TCDF**

210319D1\_4



F1:Voltage SIR,EI+  
303.9016  
4.272e+004

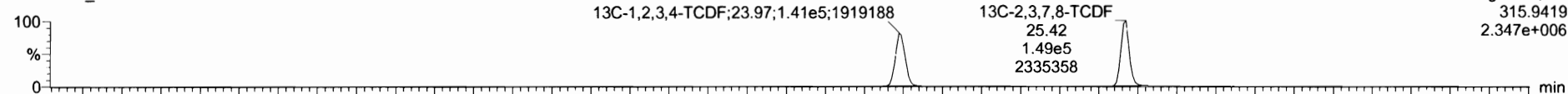
210319D1\_4



F1:Voltage SIR,EI+  
305.899  
4.798e+004

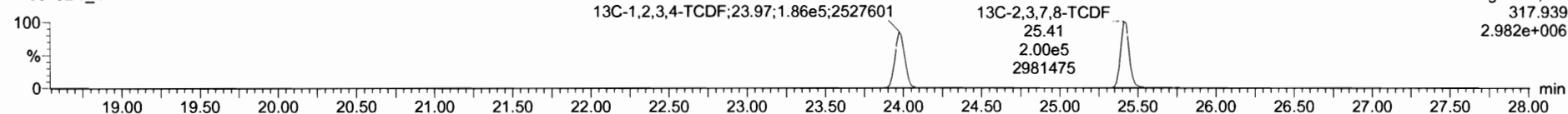
**13C-2,3,7,8-TCDF**

210319D1\_4



F1:Voltage SIR,EI+  
315.9419  
2.347e+006

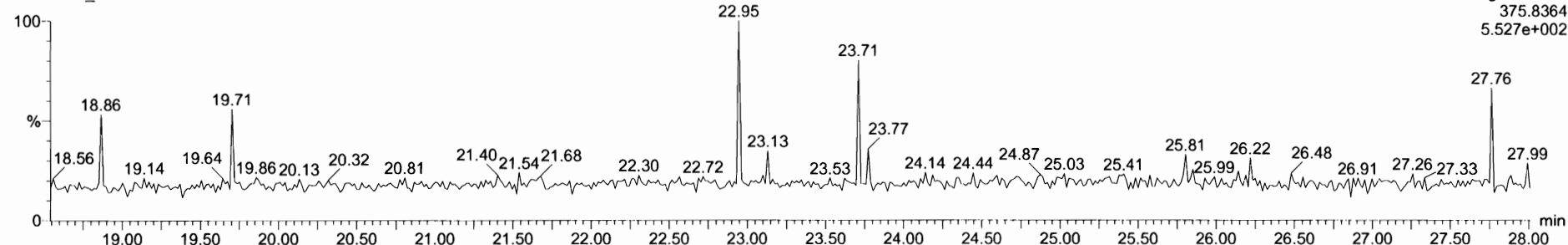
210319D1\_4



F1:Voltage SIR,EI+  
317.939  
2.982e+006

**DPE1**

210319D1\_4



F1:Voltage SIR,EI+  
375.8364  
5.527e+002

Dataset: Untitled

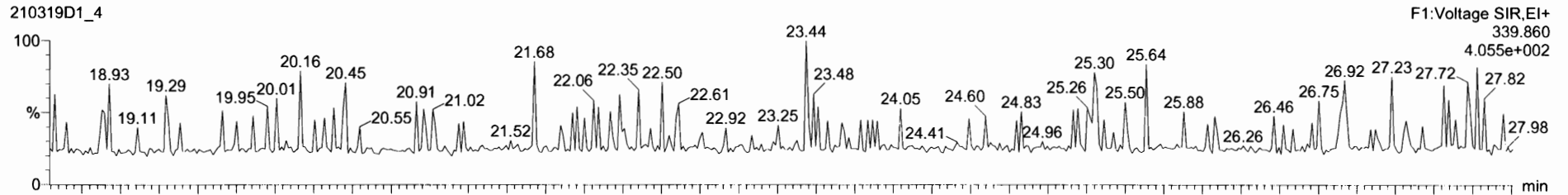
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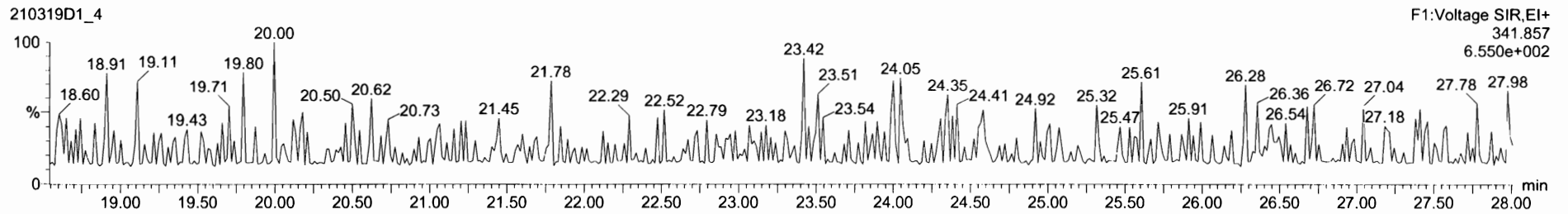
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1st Func. Penta-Furans

210319D1\_4

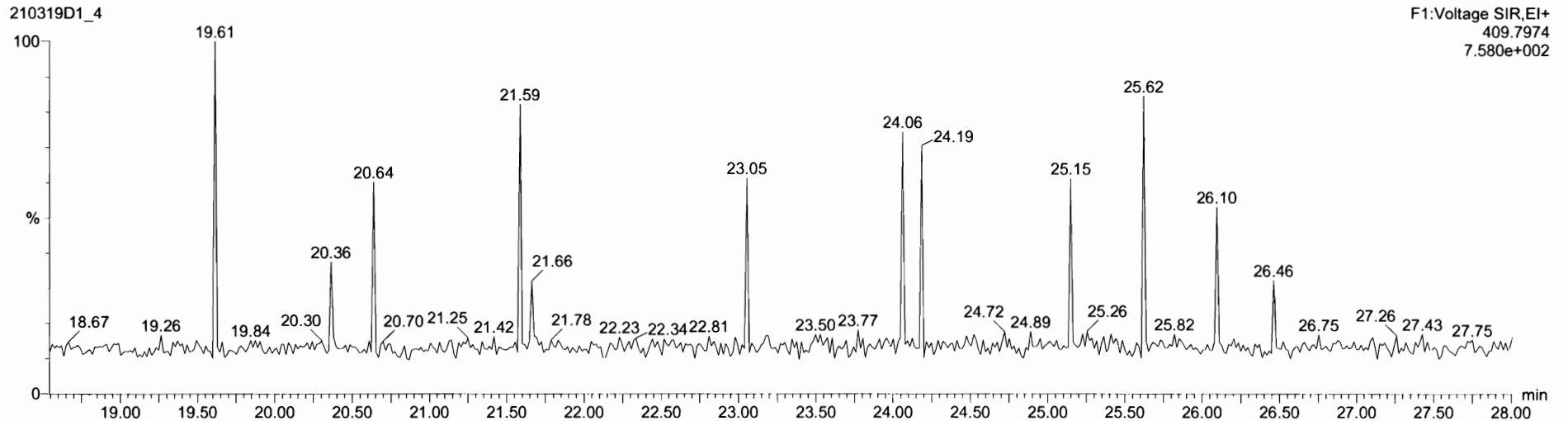


210319D1\_4



DPE6

210319D1\_4



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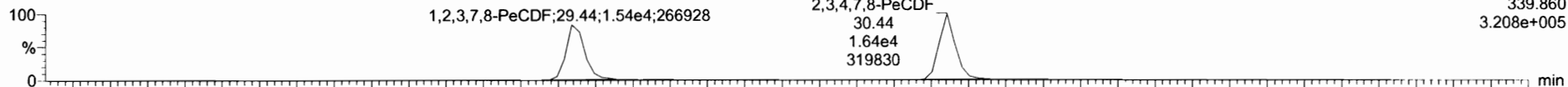
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Name: 210319D1\_4, Date: 19-Mar-2021, Time: 09:54:06, ID: ST210319D1-4 1613 CS2 20H2520, Description: 1613 CS2 20H2520

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

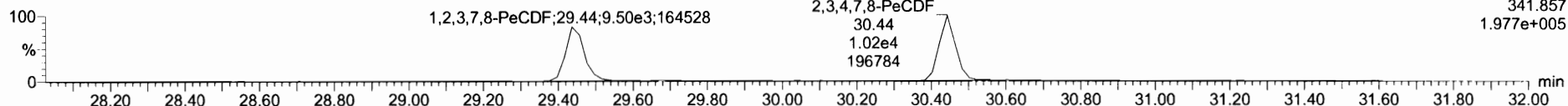
210319D1\_4

F2:Voltage SIR,EI+  
339.860  
3.208e+005



210319D1\_4

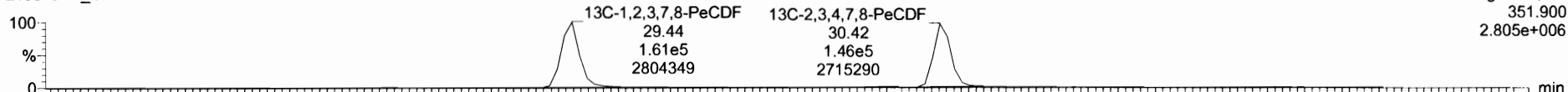
F2:Voltage SIR,EI+  
341.857  
1.977e+005



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

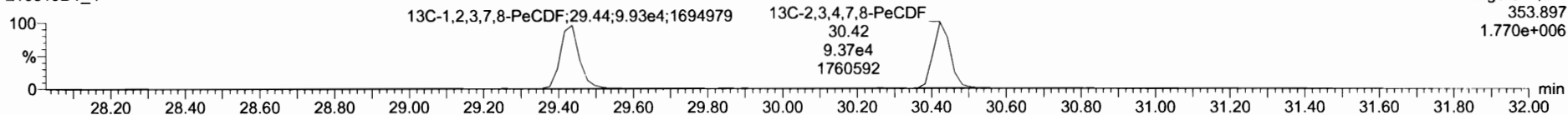
210319D1\_4

F2:Voltage SIR,EI+  
351.900  
2.805e+006



210319D1\_4

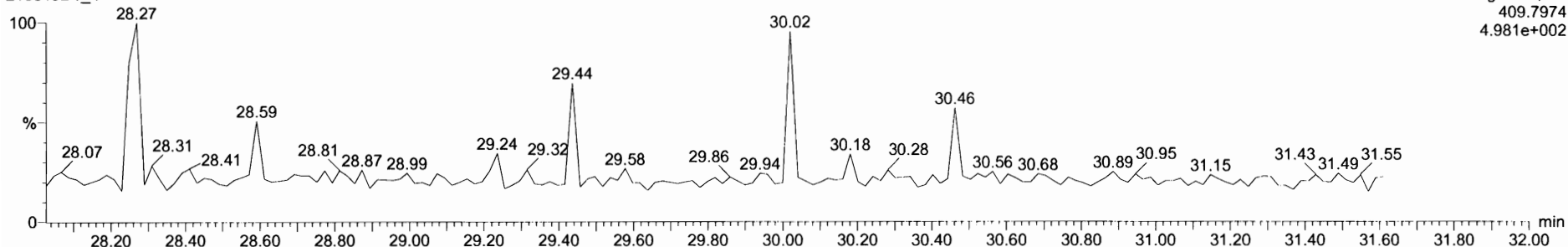
F2:Voltage SIR,EI+  
353.897  
1.770e+006



**DPE2**

210319D1\_4

F2:Voltage SIR,EI+  
409.7974  
4.981e+002



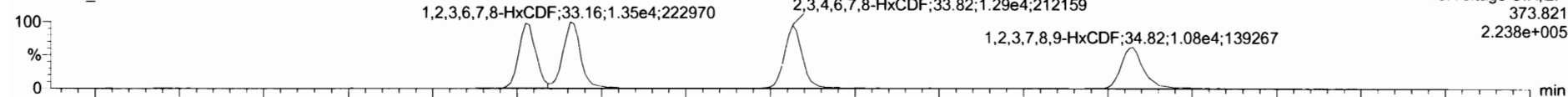
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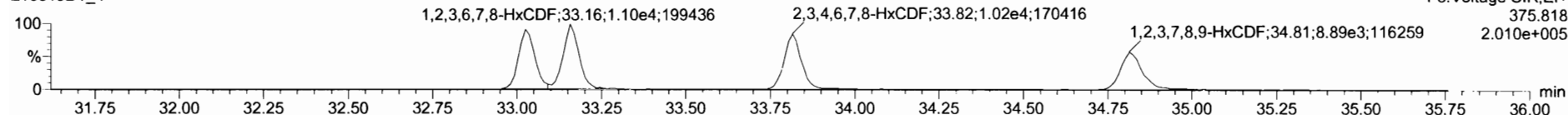
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**1,2,3,4,7,8-HxCDF**

210319D1\_4

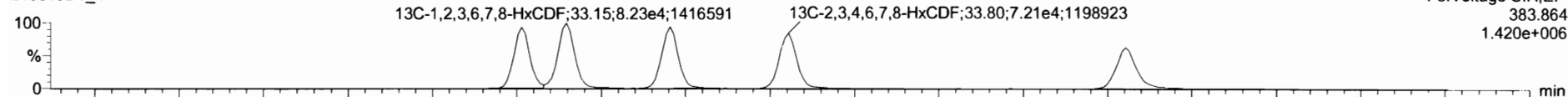


210319D1\_4

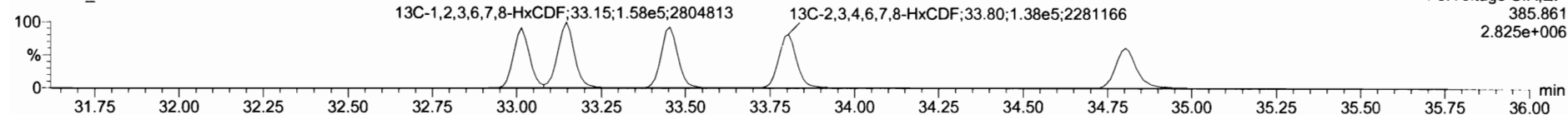


**13C-1,2,3,4,7,8-HxCDF**

210319D1\_4

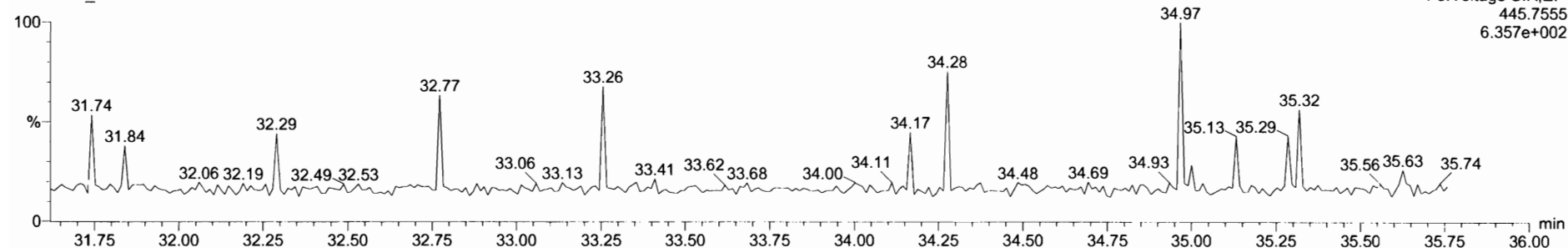


210319D1\_4

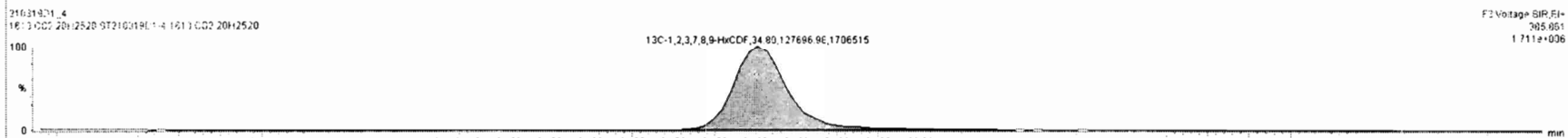
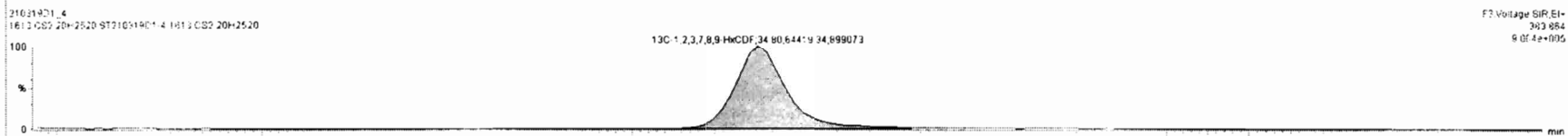
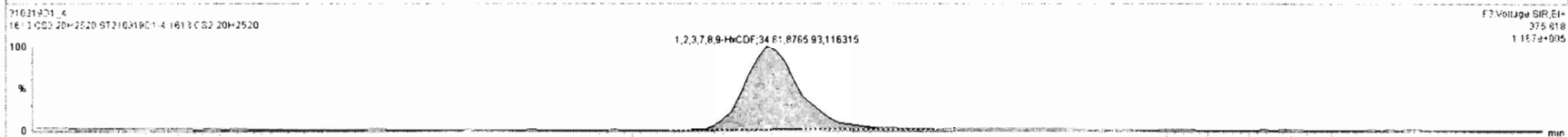
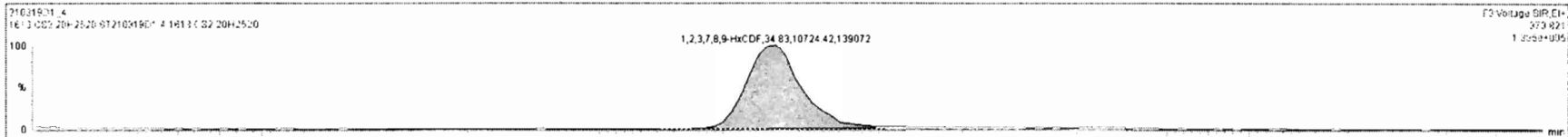


**DPE3**

210319D1\_4



Name	Resp	RA	ruy	RRF	wtAvd	RT	RRT	Conc	%Rec	DL	EMPC
12 1,2,3,6,7,8-HxCDF	2.45e4	1.24	NO	1.04	1.000	33.16	1.000	9.76	97.6	0.0824	9.77
13 2,3,4,6,7,8-HxCDF	2.31e4	1.27	NO	1.13	1.000	33.81	1.000	9.73	97.3	0.0902	9.73
14 1,2,3,7,8,9-HxCDF	1.85e4	1.22	NO	1.07	1.000	34.83	1.001	9.44	94.4	0.123	9.44
15 1,2,3,4,6,7,8-HpCDF	1.85e4	1.02	NO	1.11	1.000	36.47	1.000	9.55	95.5	0.124	9.55
16 1,2,3,4,7,8,9-HpCDF	1.59e4	1.04	NO	1.32	1.000	38.50	1.000	9.92	99.2	0.172	9.92
17 OCDF	2.65e4	0.86	NO	0.93	1.000	41.45	1.000	16.7	93.7	0.171	16.7
18 13C-2,3,7,8-TCDF	2.30e5	0.77	NO	1.20	1.000	26.10	1.027	96.7	98.7	0.170	
19 13C-1,2,3,7,8-PeCDD	1.62e5	0.58	NO	0.86	1.000	30.62	1.205	96.7	96.7	0.158	
20 13C-1,2,3,4,7,8-HxCDD	1.33e5	1.26	NO	0.60	1.000	33.91	1.014	95.0	99.0	0.270	
21 13C-1,2,3,6,7,8-HxCDD	1.49e5	1.27	NO	0.67	1.000	34.03	1.017	96.5	98.5	0.240	
22 13C-1,2,3,7,8,9-HxCDD	1.49e5	1.29	NO	0.88	1.000	34.31	1.026	97.7	97.7	0.239	



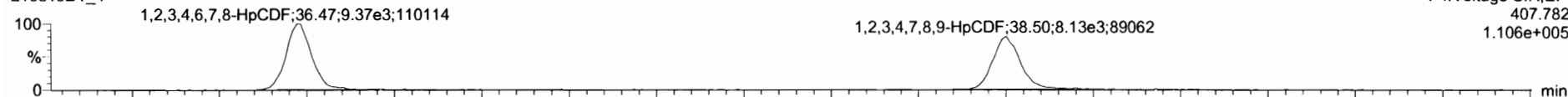
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

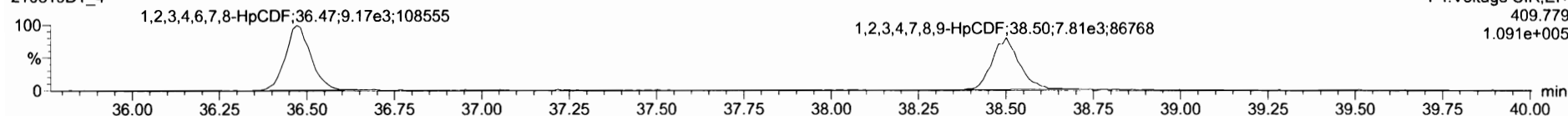
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**1,2,3,4,6,7,8-HpCDF**

210319D1\_4

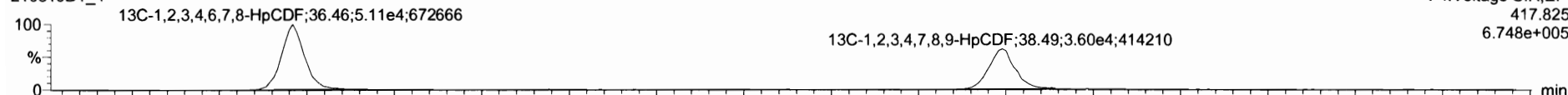


210319D1\_4

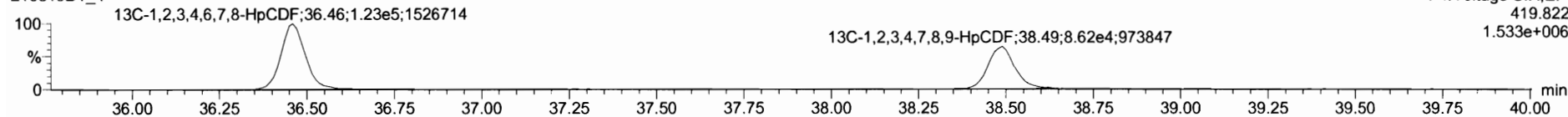


**13C-1,2,3,4,6,7,8-HpCDF**

210319D1\_4

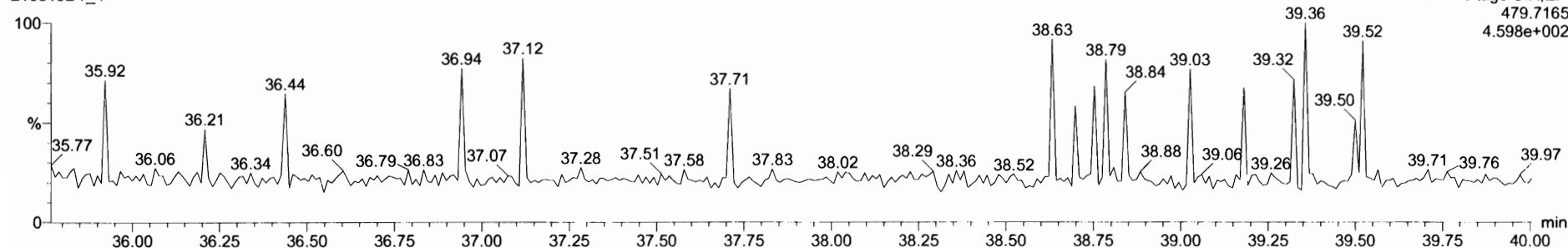


210319D1\_4



**DPE4**

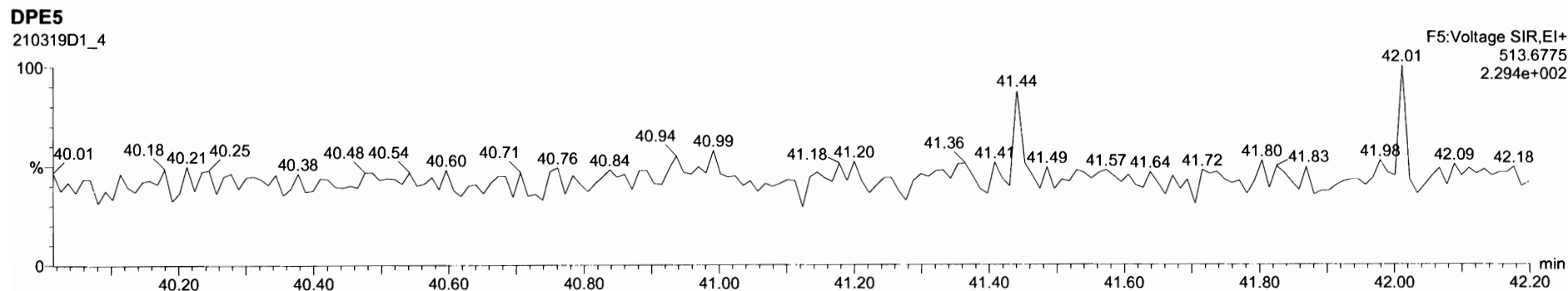
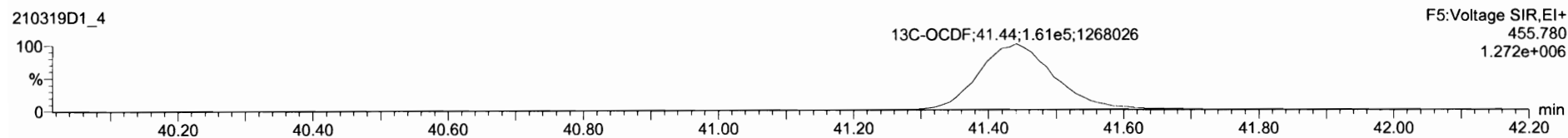
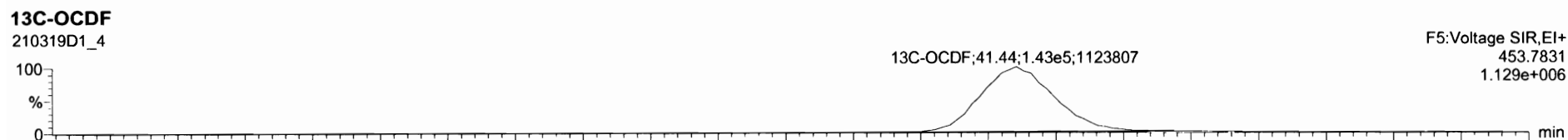
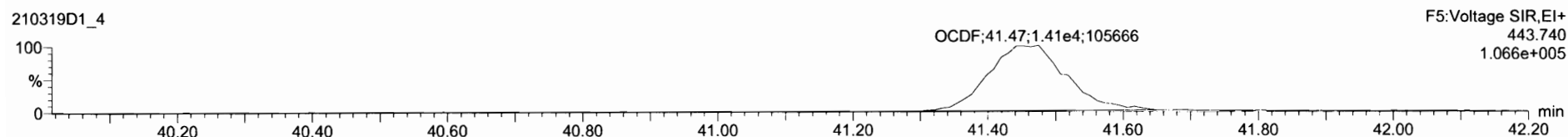
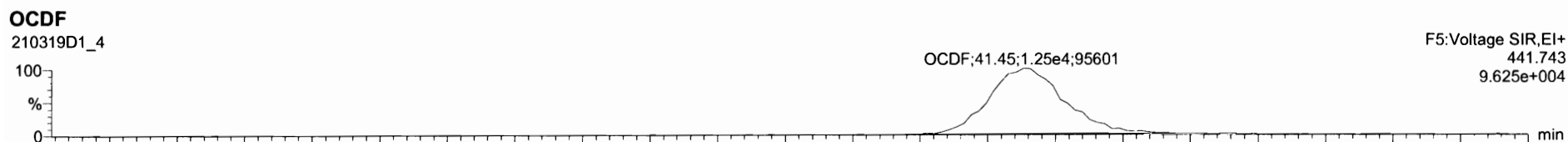
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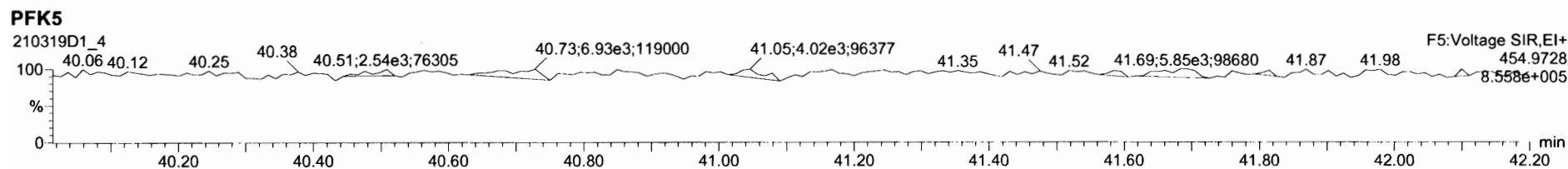
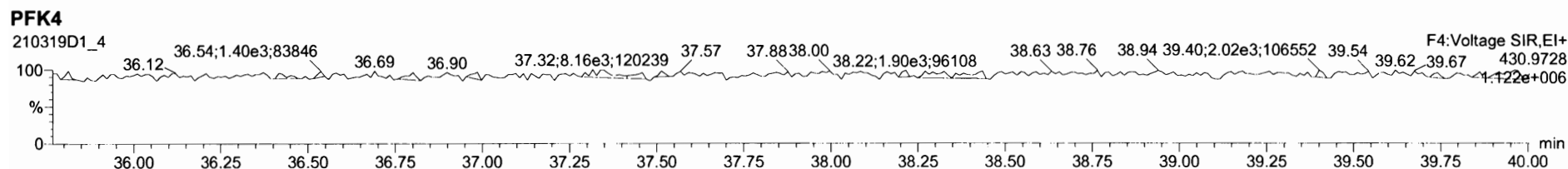
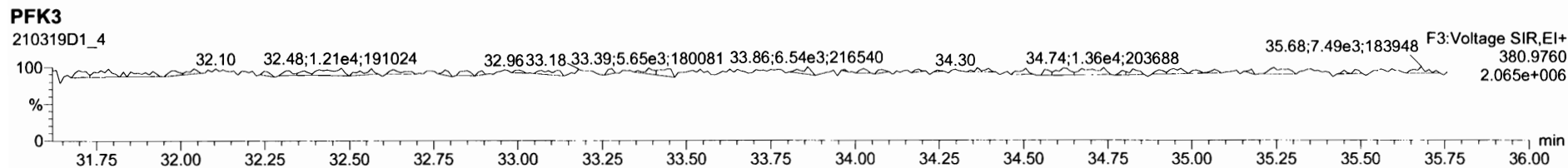
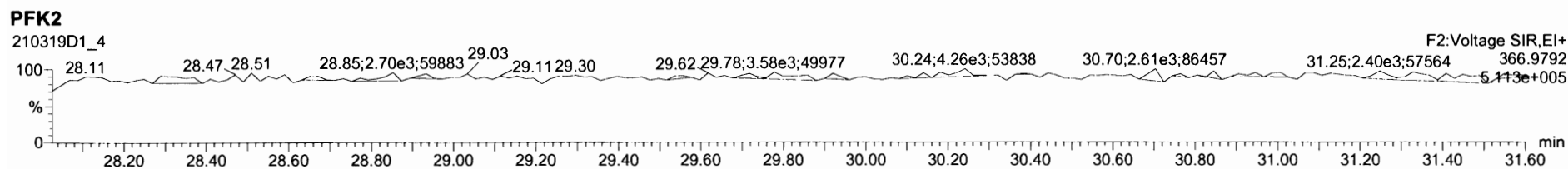
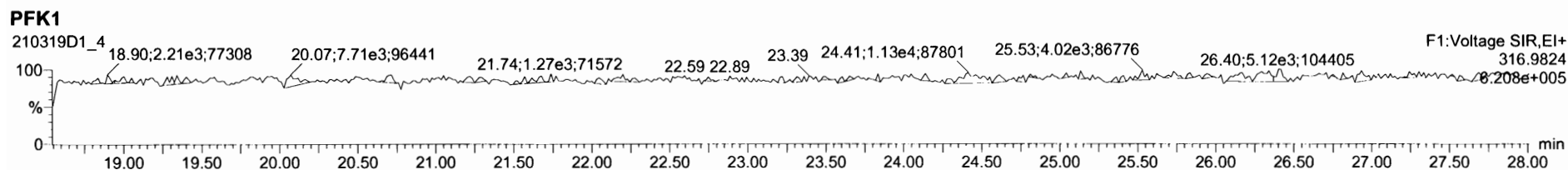




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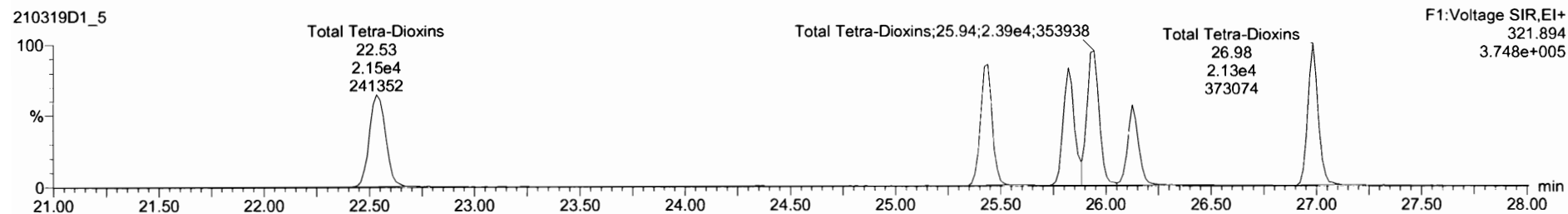
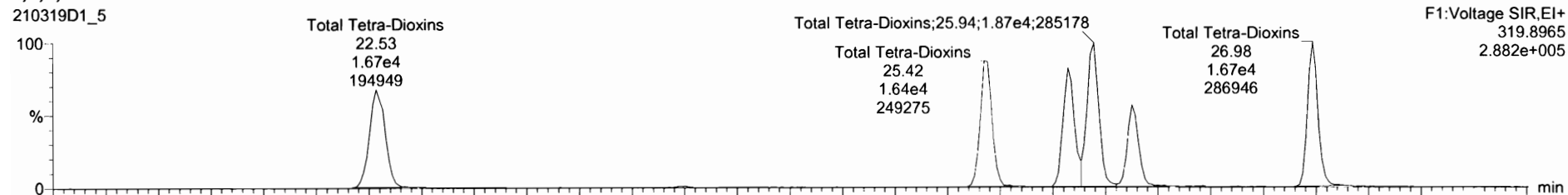


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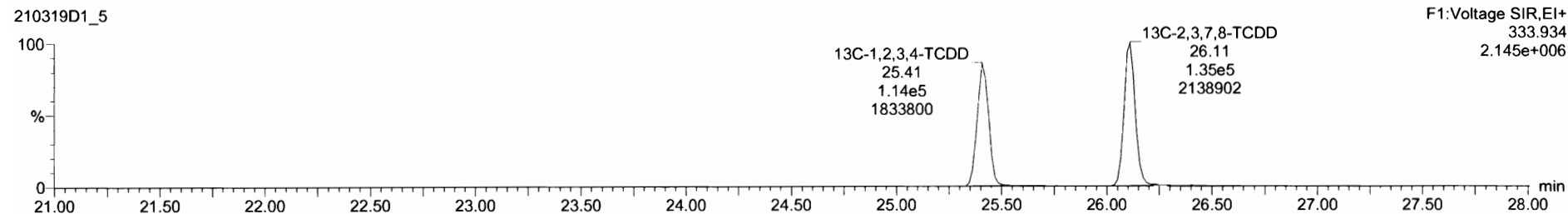
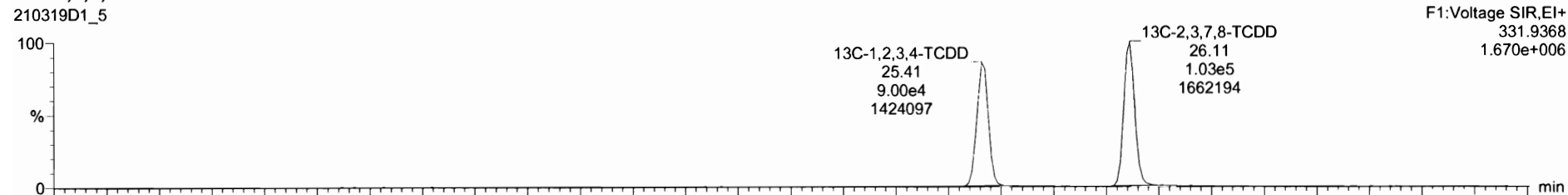
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### 2,3,7,8-TCDD



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



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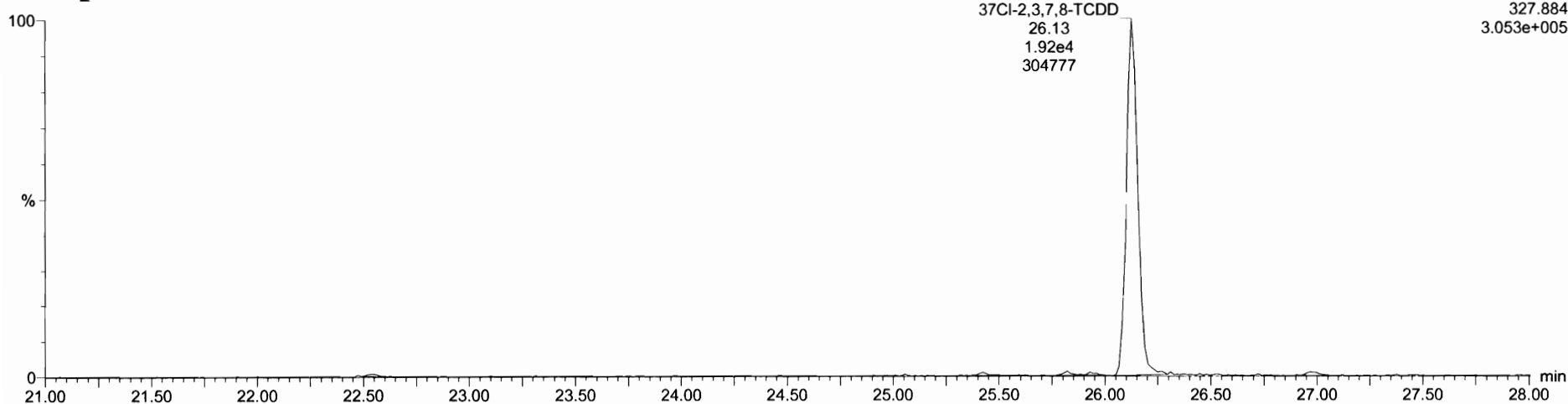
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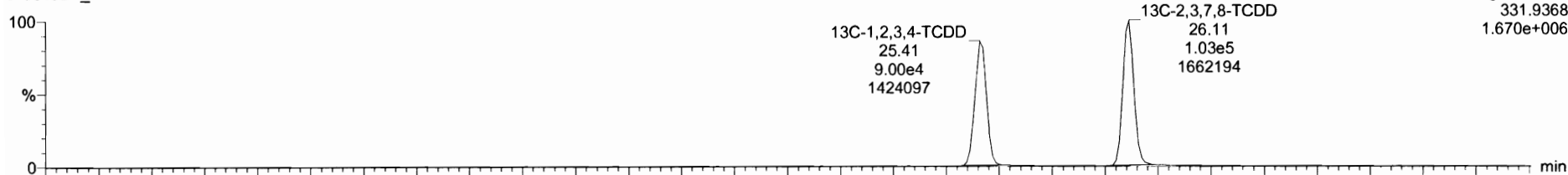
**37Cl-2,3,7,8-TCDD**

210319D1\_5

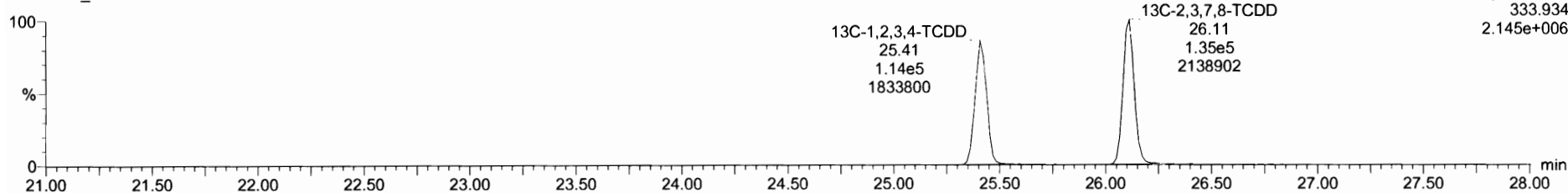


**13C-1,2,3,4-TCDD**

210319D1\_5



210319D1\_5

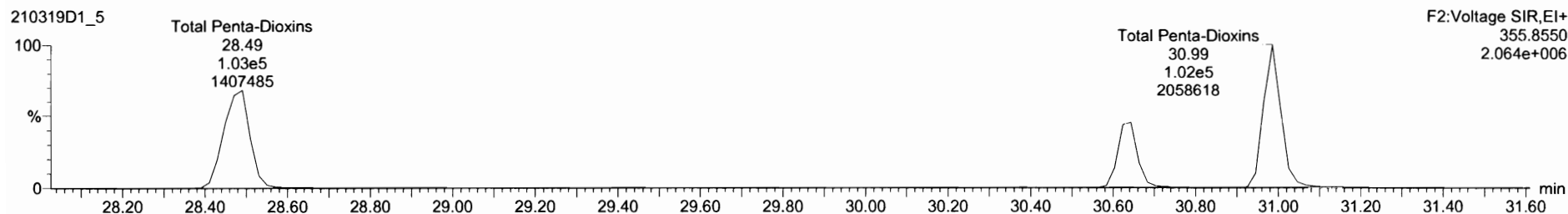
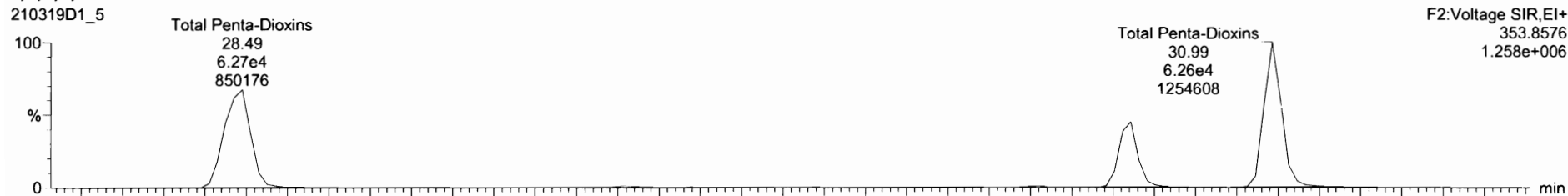


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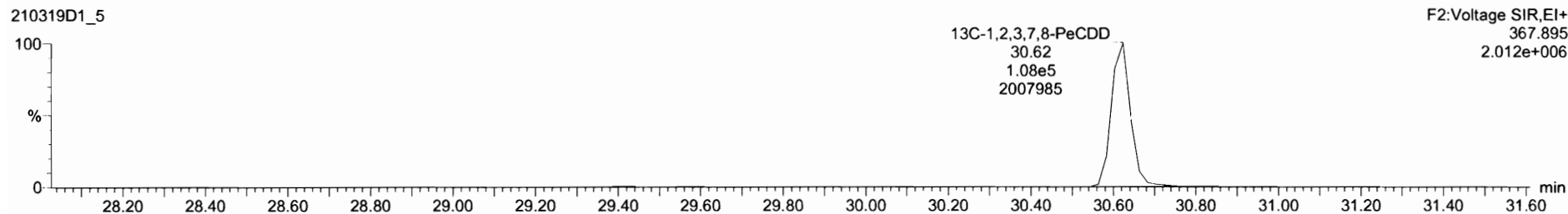
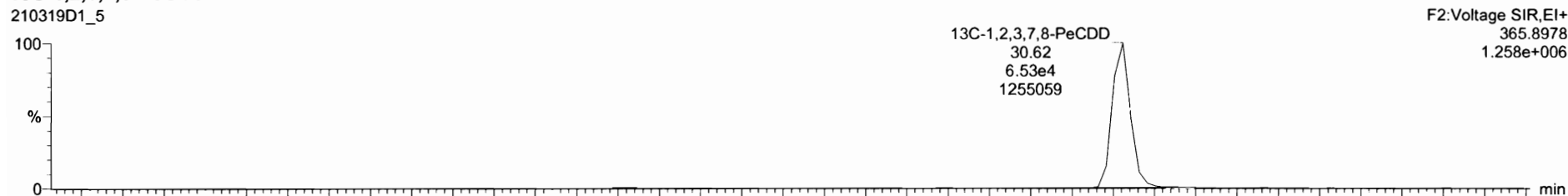
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1,2,3,7,8-PeCDD



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

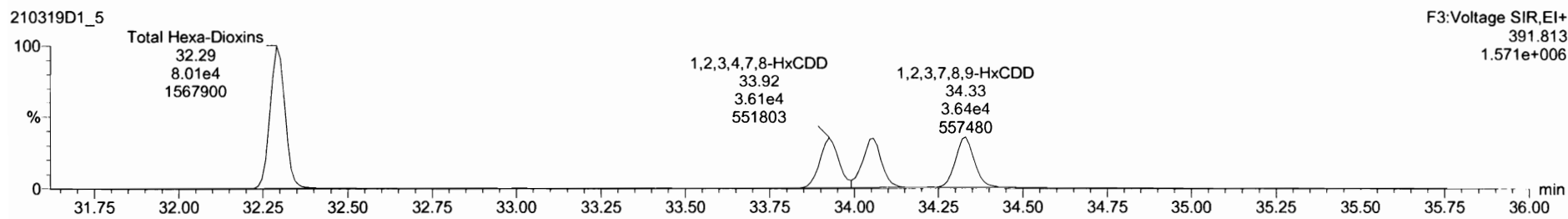
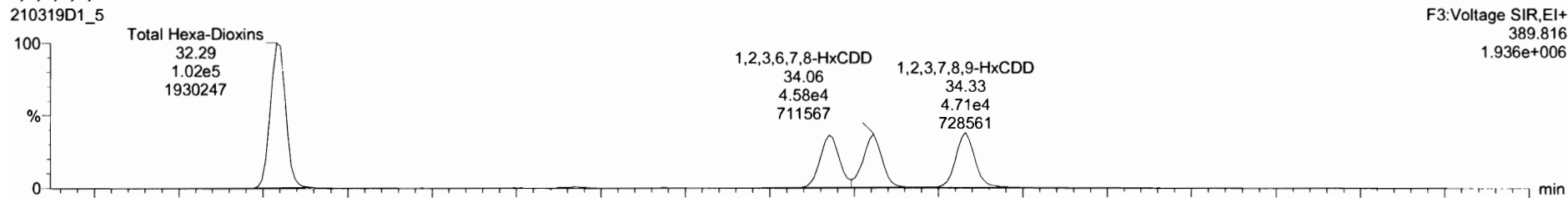


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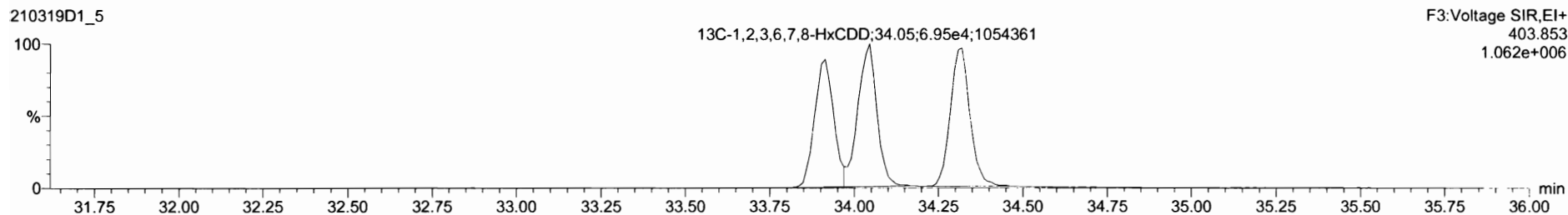
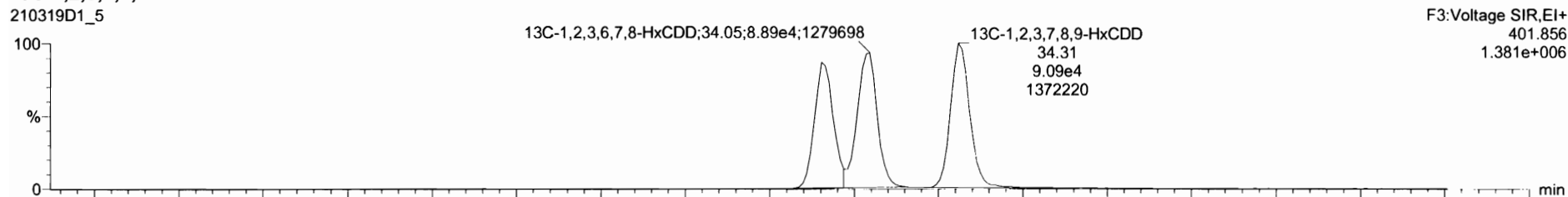
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1,2,3,4,7,8-HxCDD



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



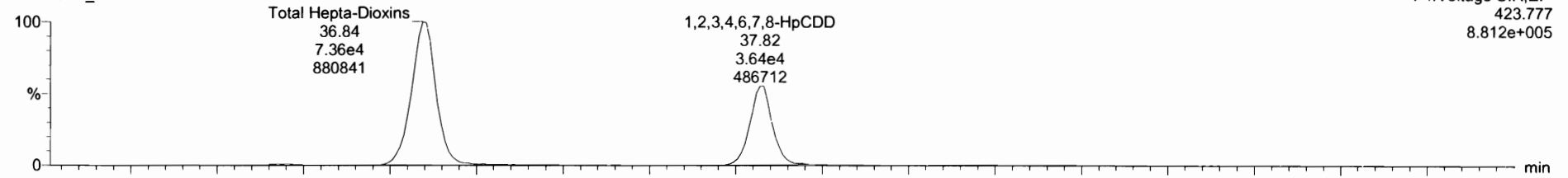
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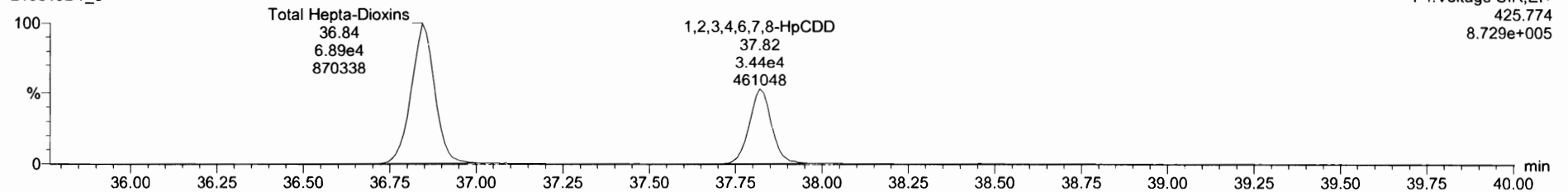
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1,2,3,4,6,7,8-HpCDD

210319D1\_5

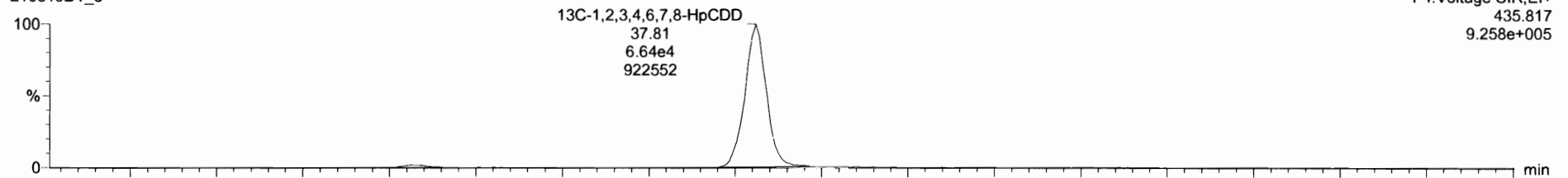


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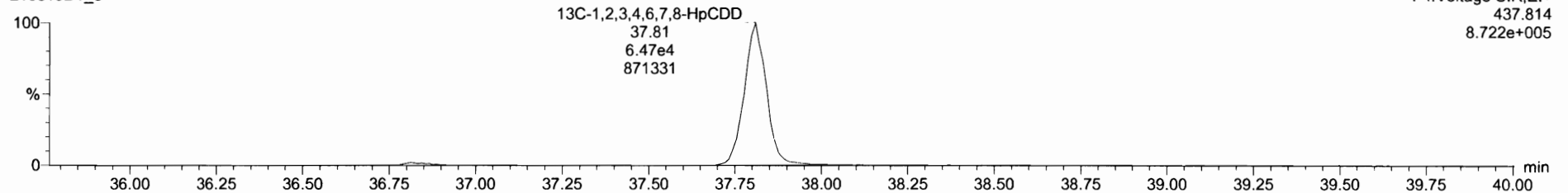


13C-1,2,3,4,6,7,8-HpCDD

210319D1\_5



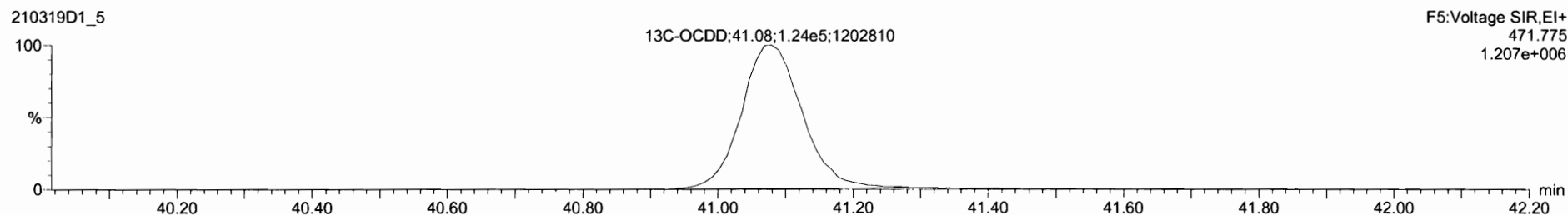
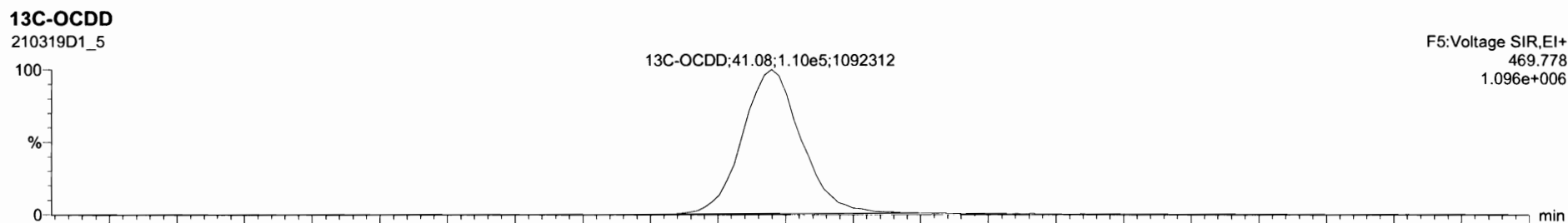
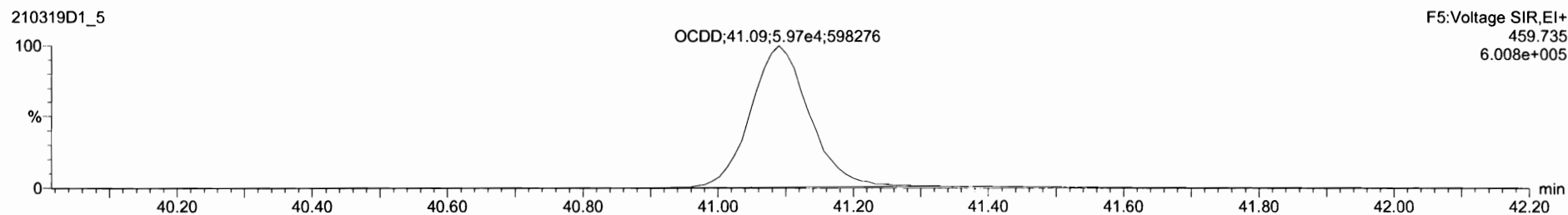
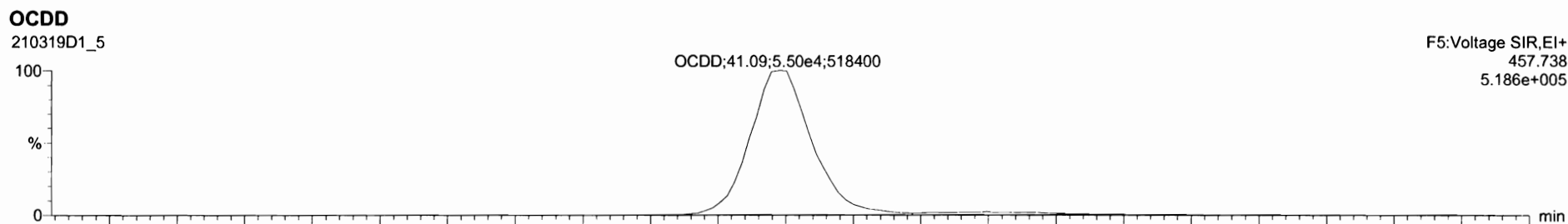
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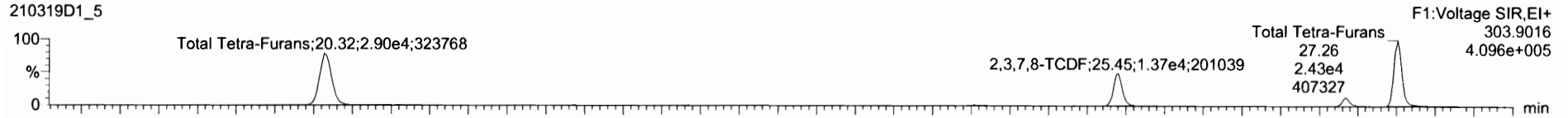
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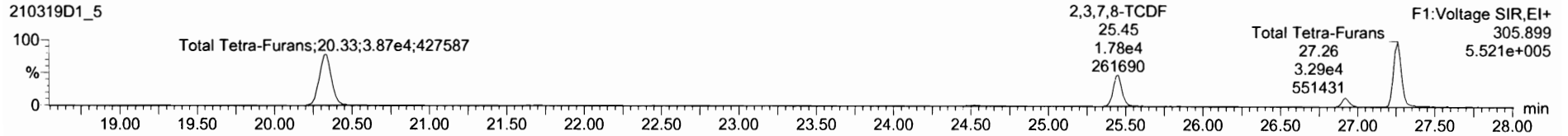
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**2,3,7,8-TCDF**

210319D1\_5

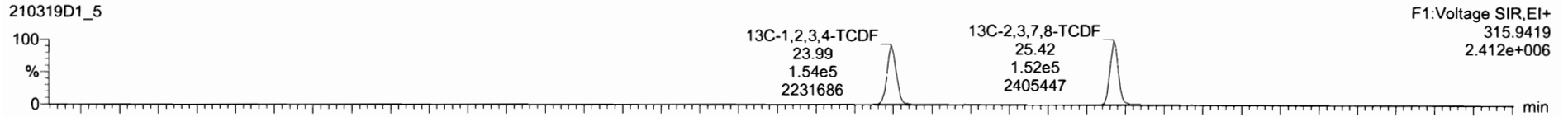


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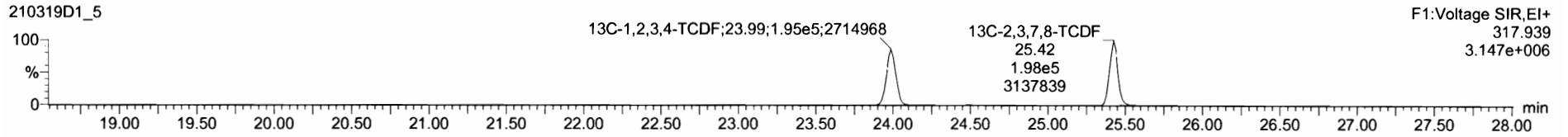


**13C-2,3,7,8-TCDF**

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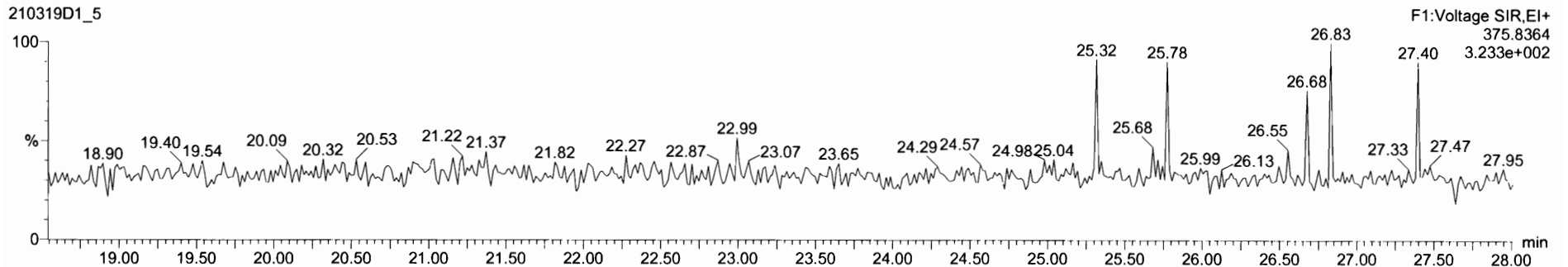


210319D1\_5



**DPE1**

210319D1\_5





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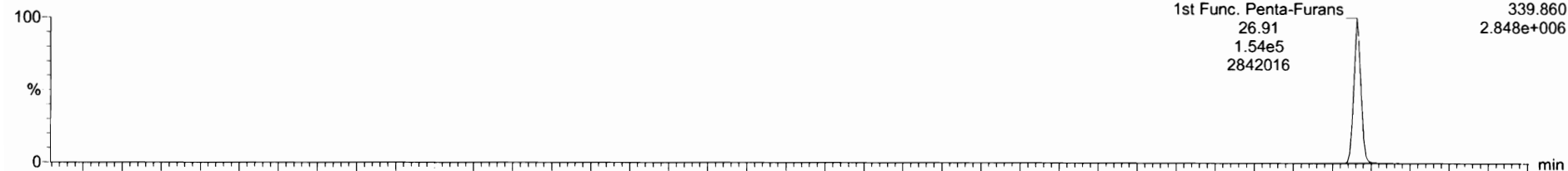
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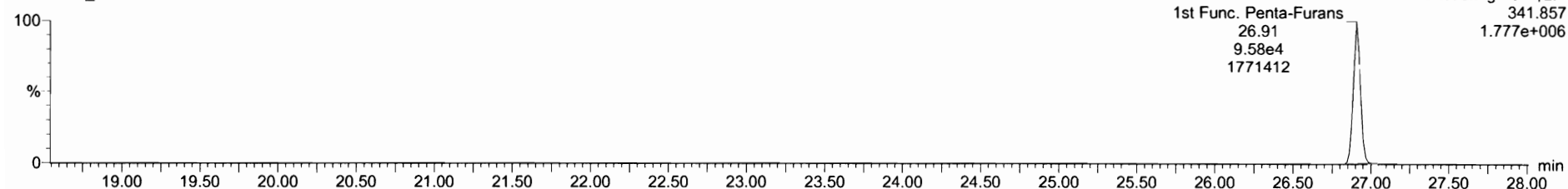
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1st Func. Penta-Furans

210319D1\_5

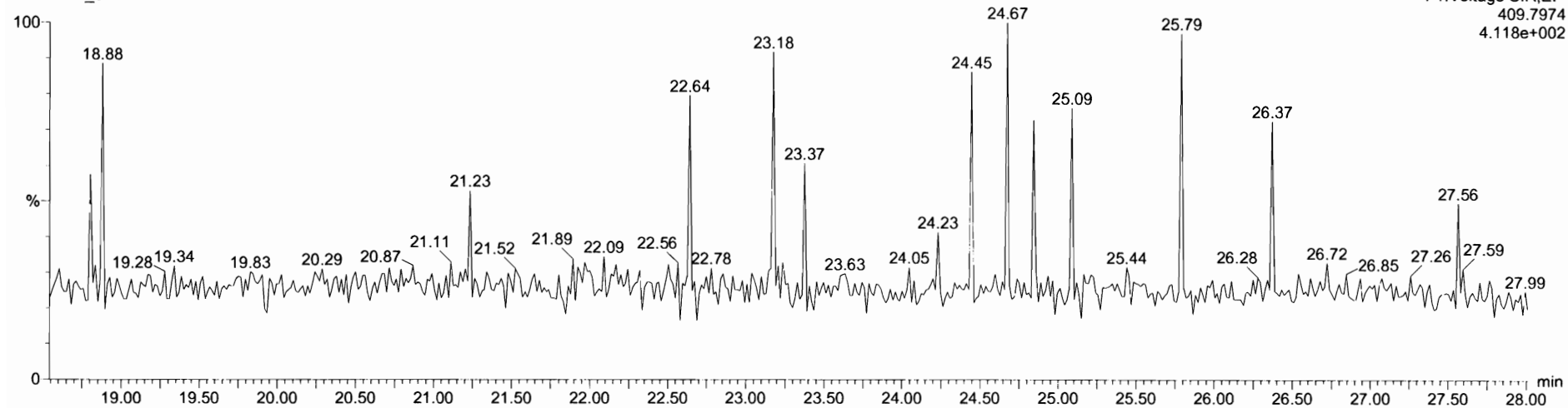


210319D1\_5



DPE6

210319D1\_5



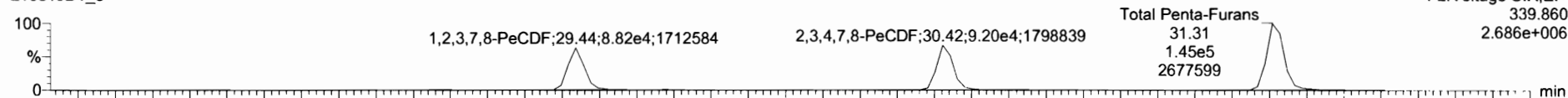
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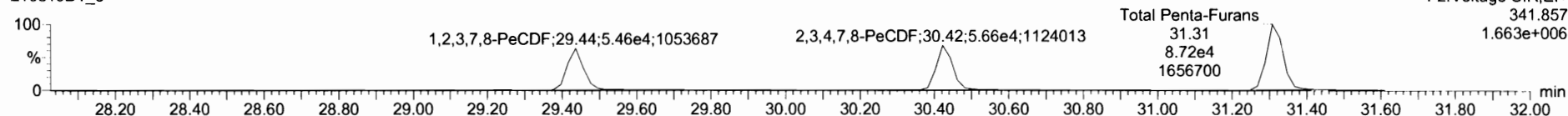
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**1,2,3,7,8-PeCDF**

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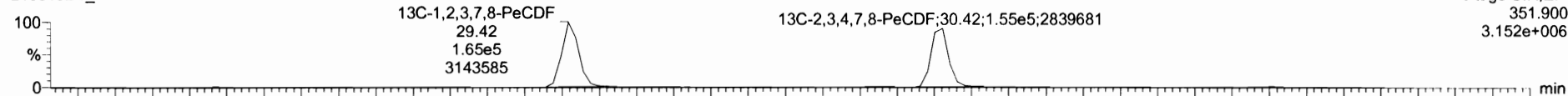


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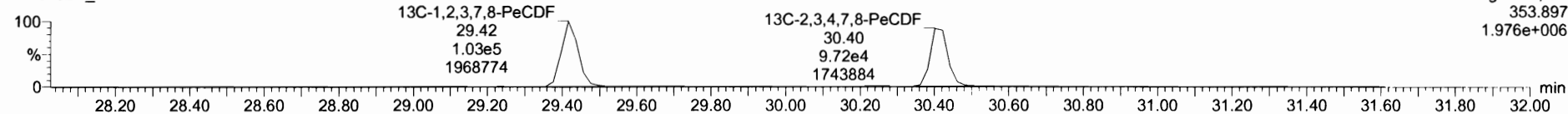


**13C-1,2,3,7,8-PeCDF**

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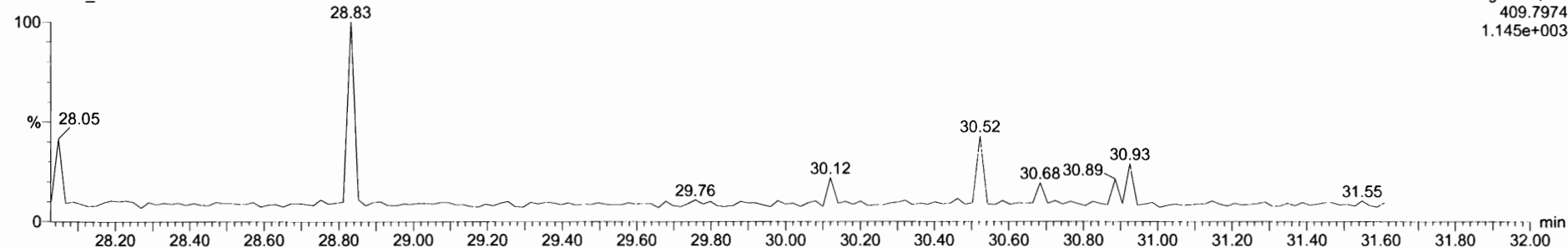


210319D1\_5



**DPE2**

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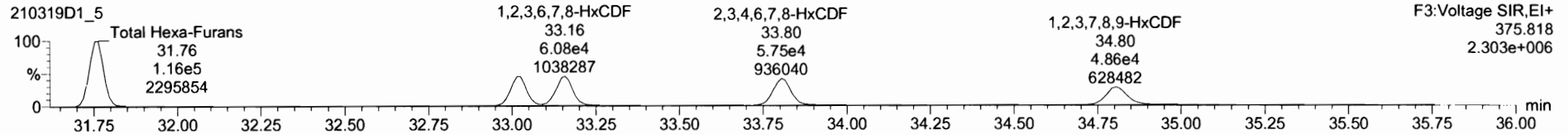
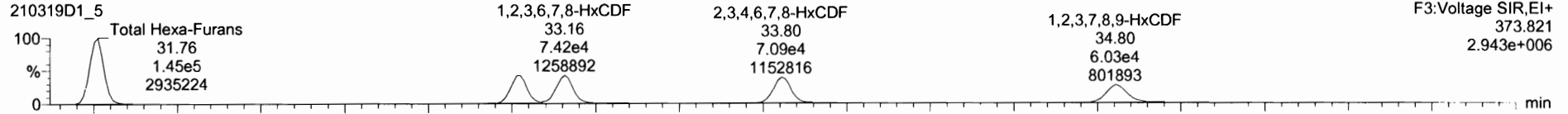


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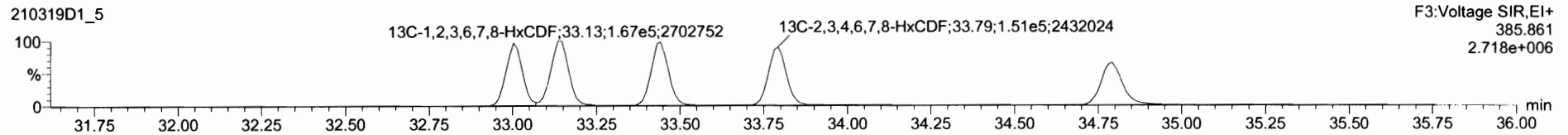
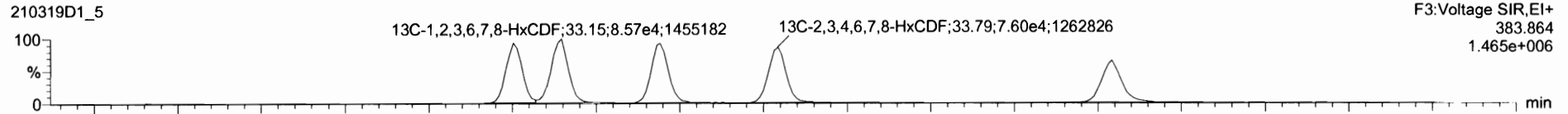
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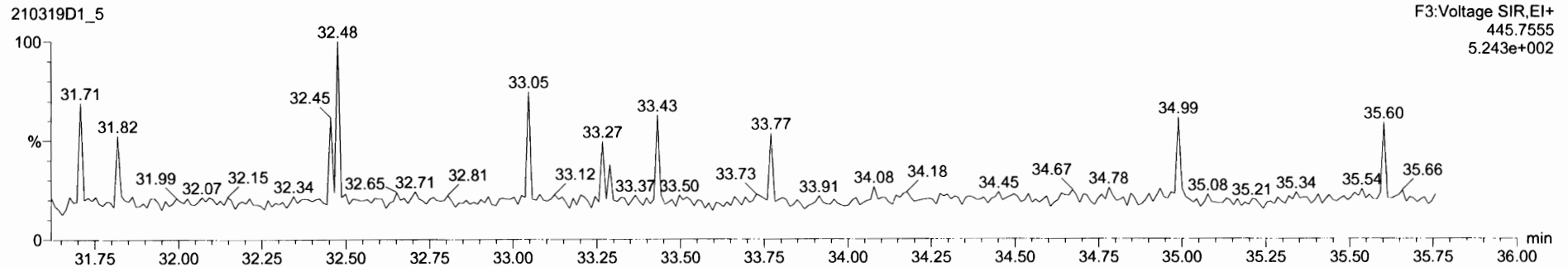
1,2,3,4,7,8-HxCDF



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



DPE3



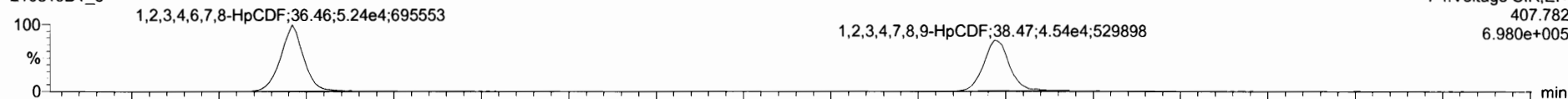
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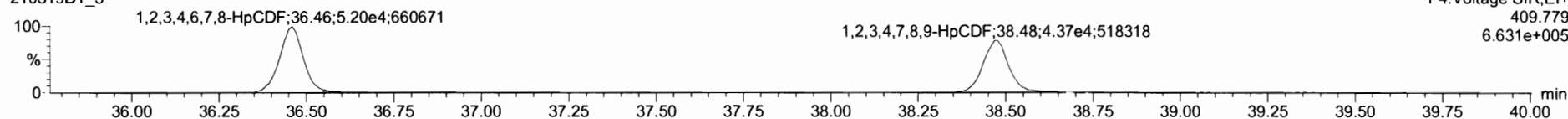
**1,2,3,4,6,7,8-HpCDF**

210319D1\_5



F4:Voltage SIR,EI+  
407.782  
6.980e+005

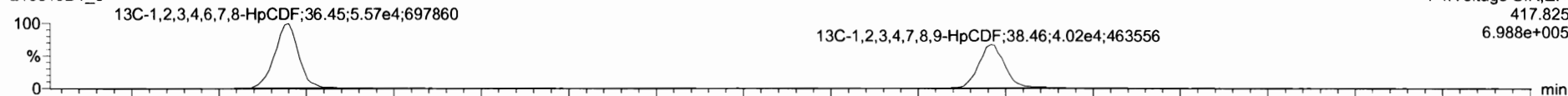
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F4:Voltage SIR,EI+  
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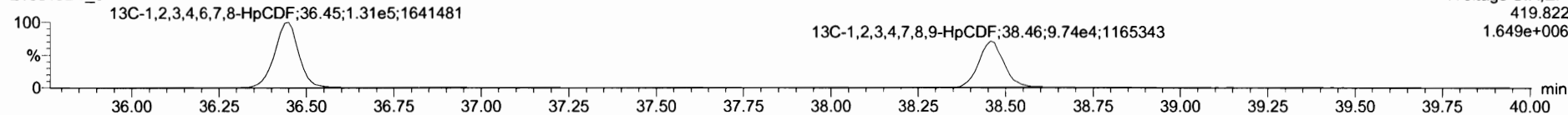
**13C-1,2,3,4,6,7,8-HpCDF**

210319D1\_5



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6.988e+005

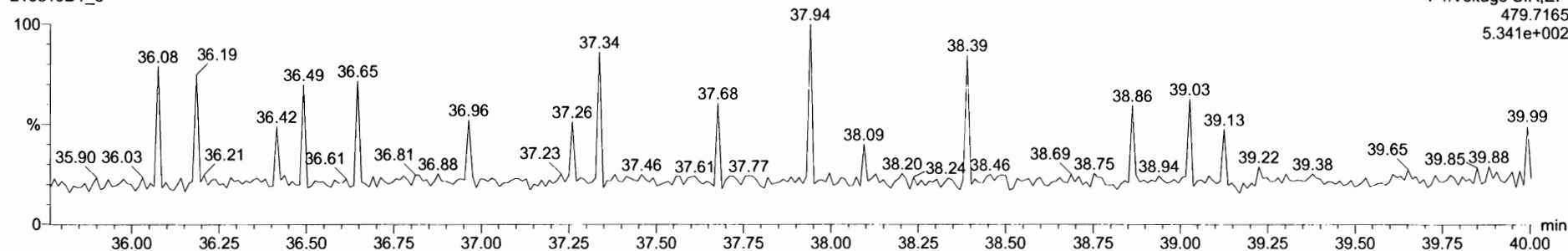
210319D1\_5



F4:Voltage SIR,EI+  
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1.649e+006

**DPE4**

210319D1\_5

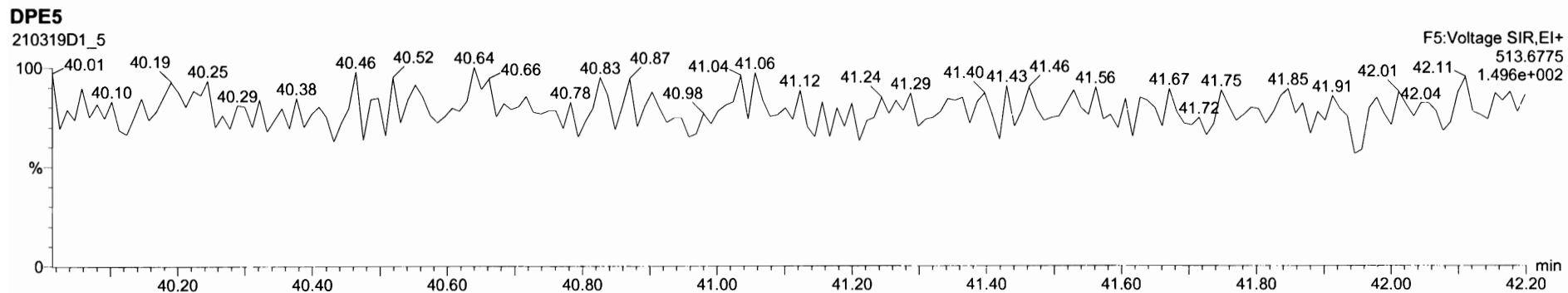
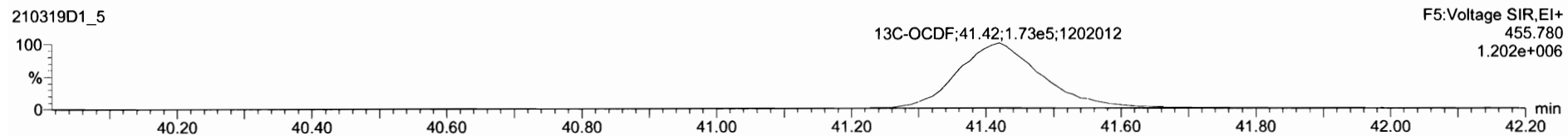
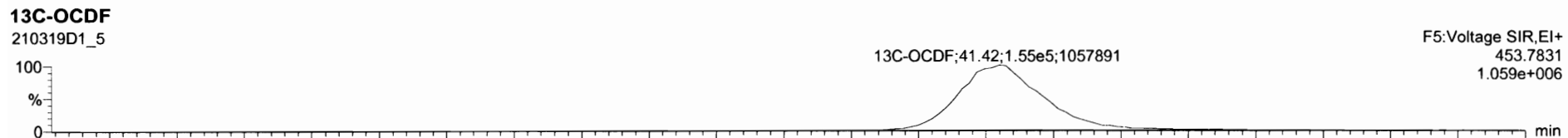
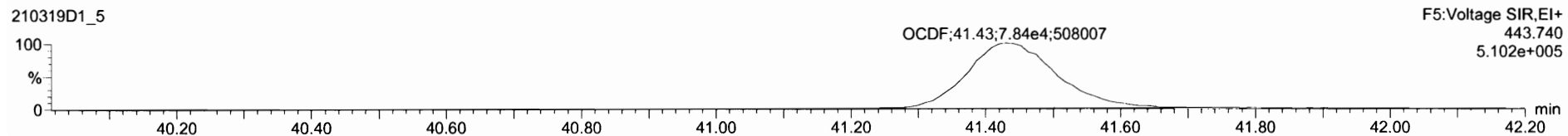
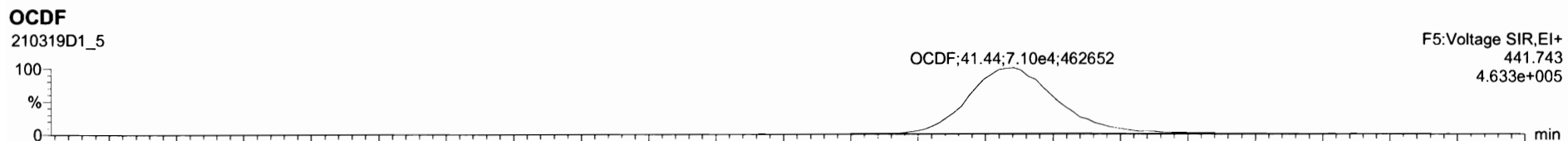


F4:Voltage SIR,EI+  
479.7165  
5.341e+002

Dataset: Untitled

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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

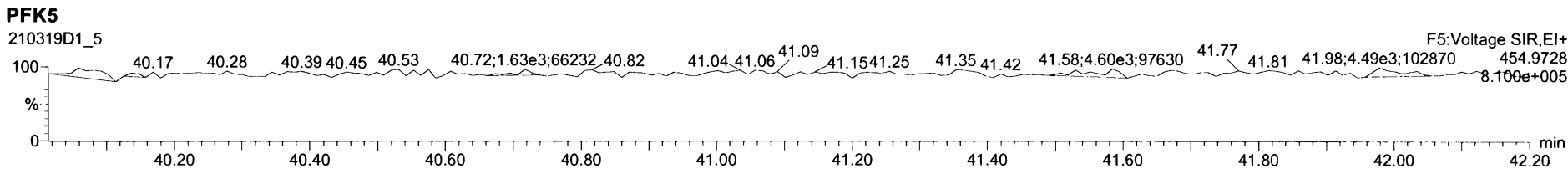
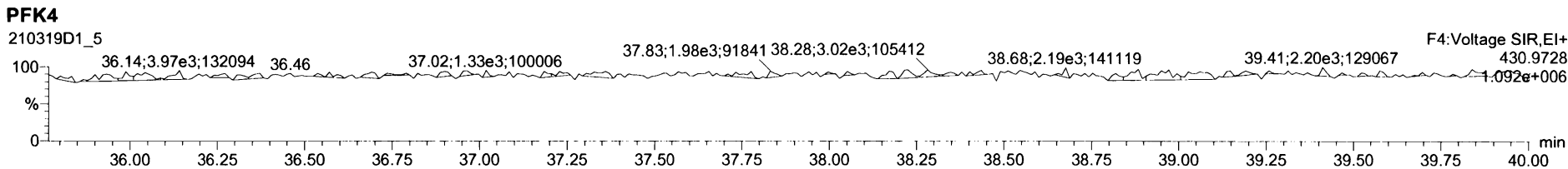
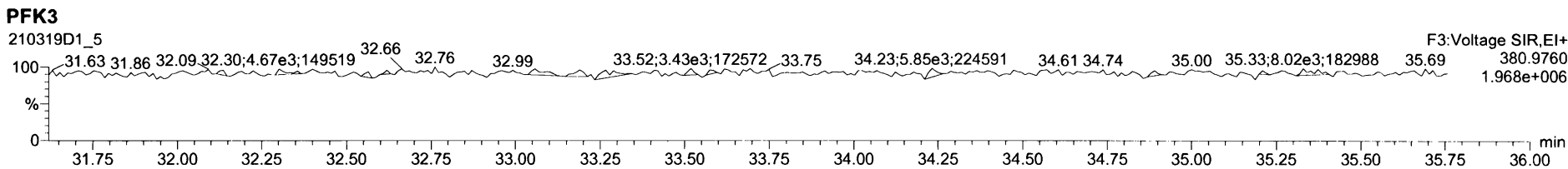
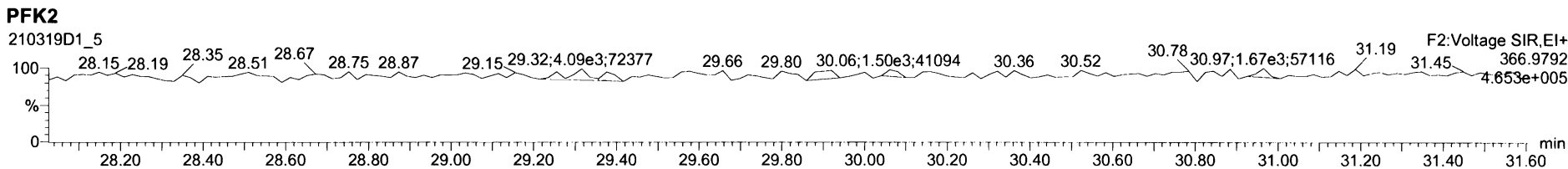
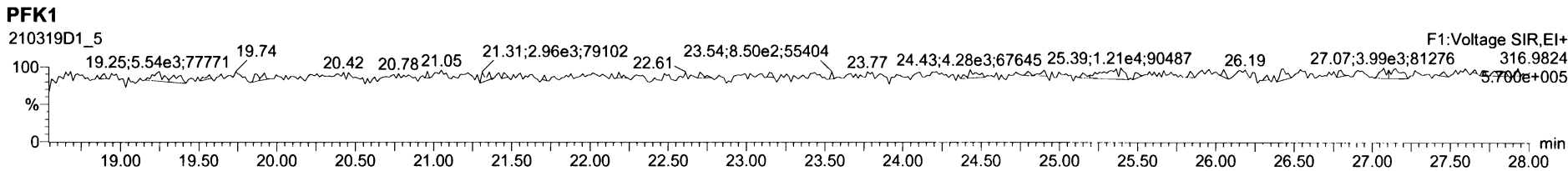
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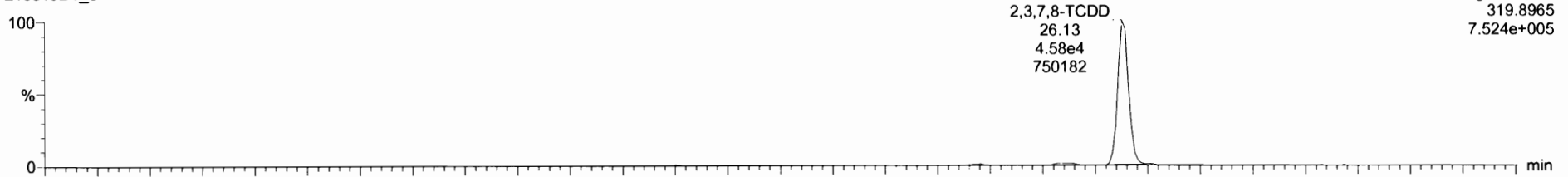
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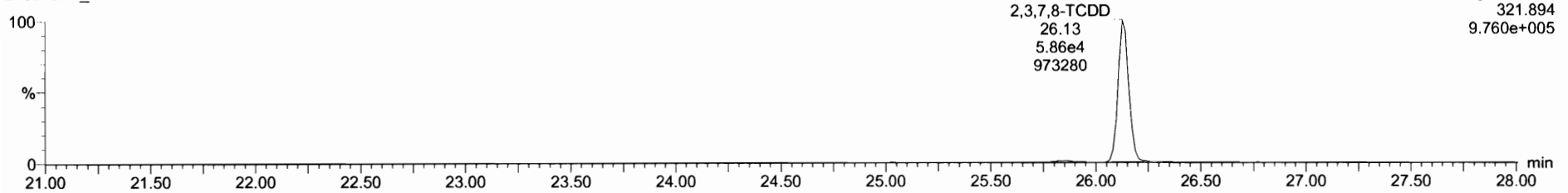
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**2,3,7,8-TCDD**

210319D1\_6

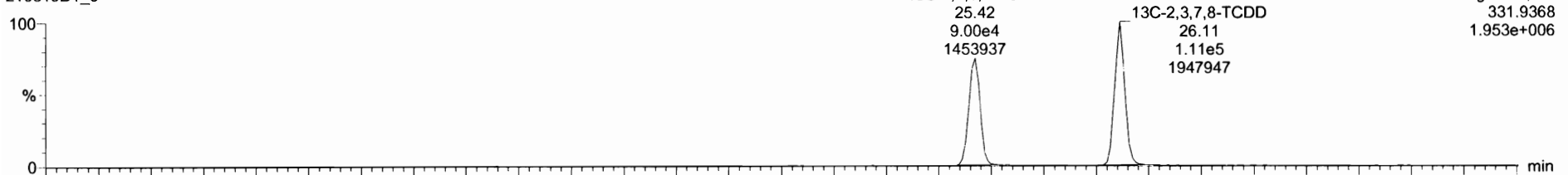


210319D1\_6

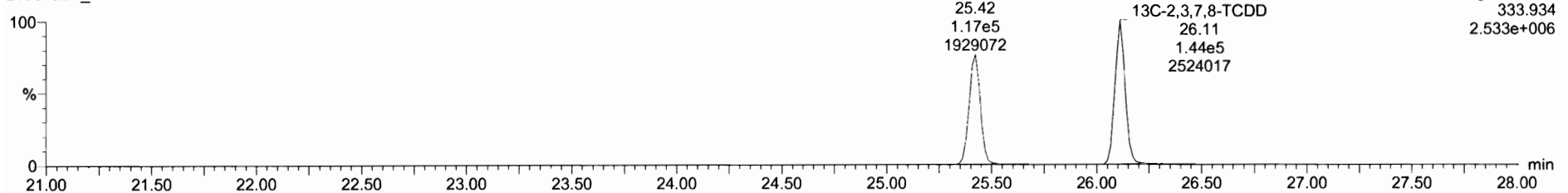


**13C-2,3,7,8-TCDD**

210319D1\_6



210319D1\_6



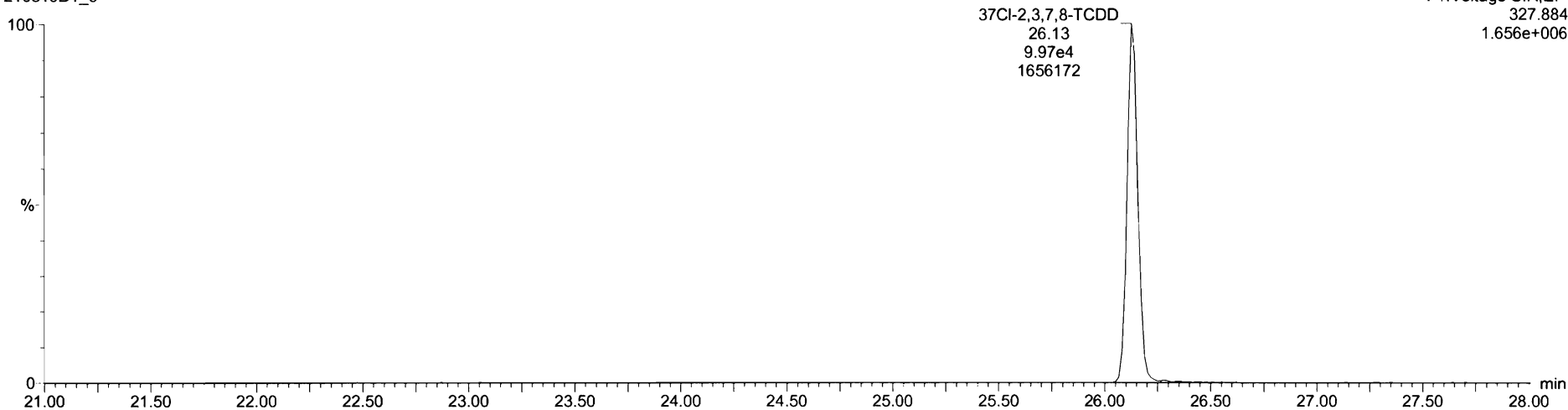
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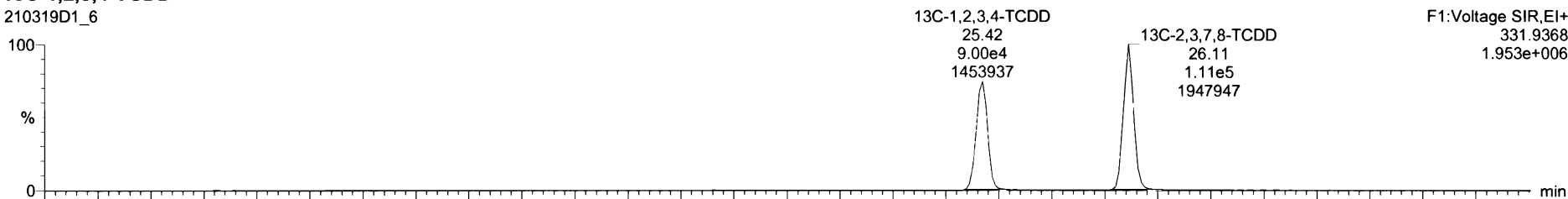
37Cl-2,3,7,8-TCDD

210319D1\_6

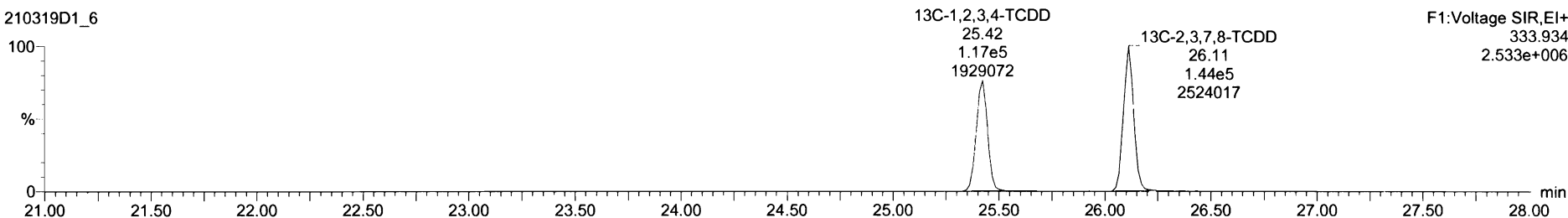


13C-1,2,3,4-TCDD

210319D1\_6



210319D1\_6





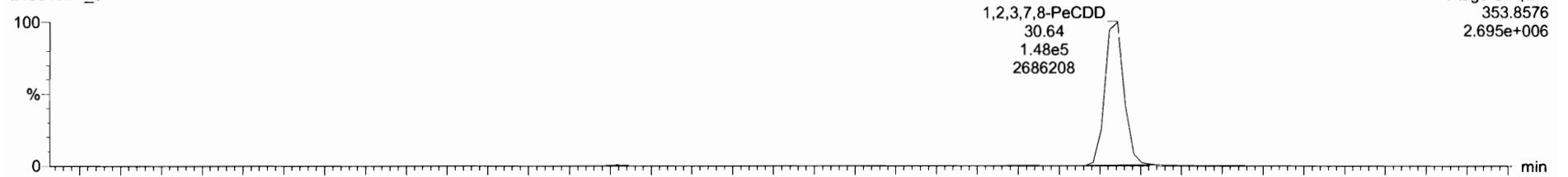
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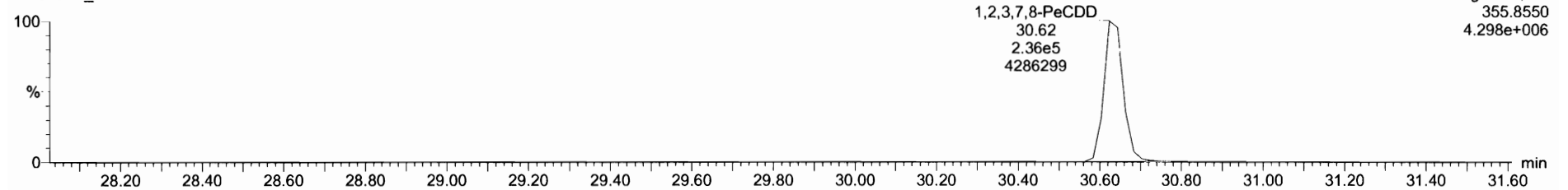
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**1,2,3,7,8-PeCDD**

210319D1\_6

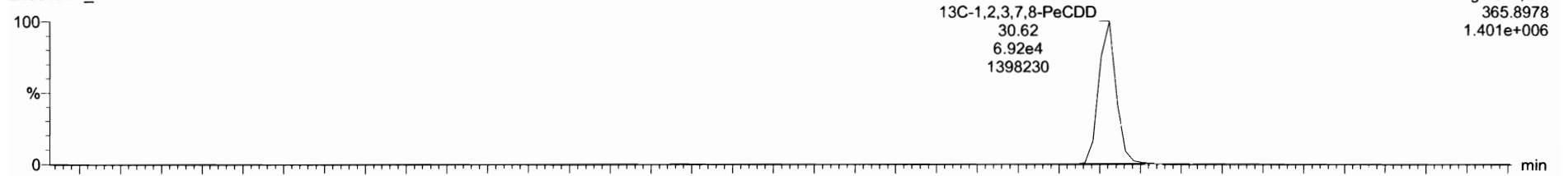


210319D1\_6

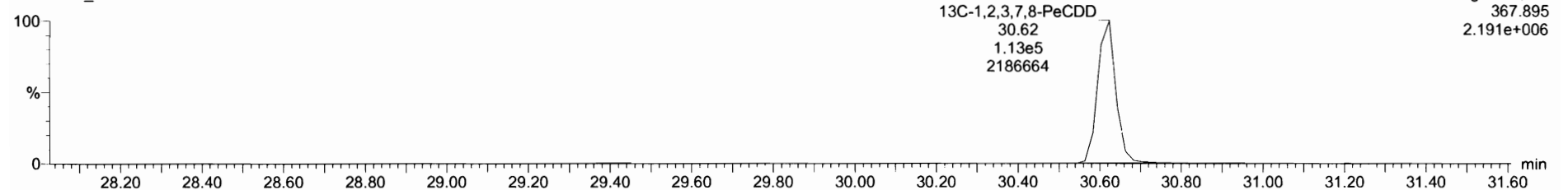


**13C-1,2,3,7,8-PeCDD**

210319D1\_6



210319D1\_6



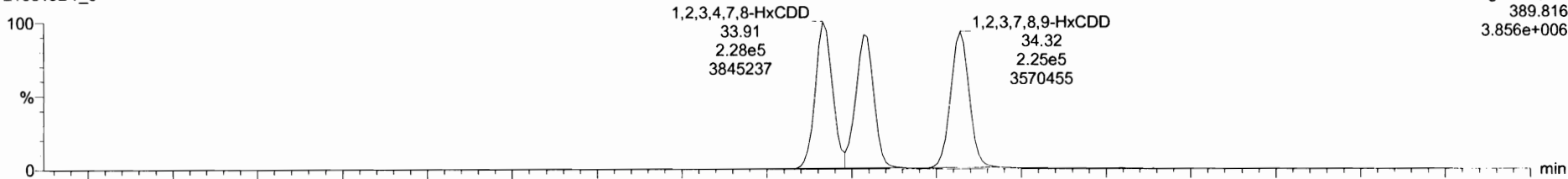
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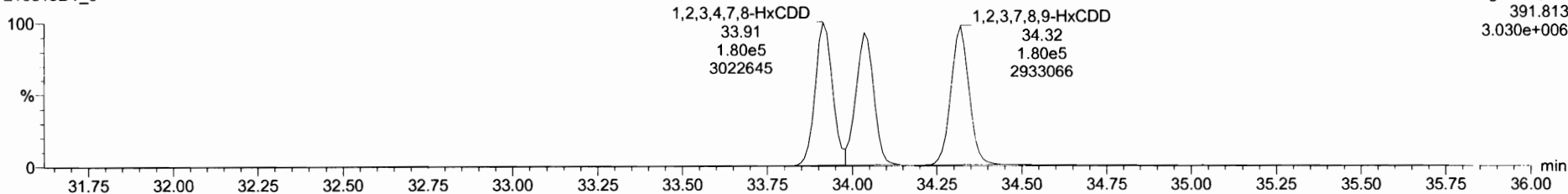
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**1,2,3,4,7,8-HxCDD**

210319D1\_6

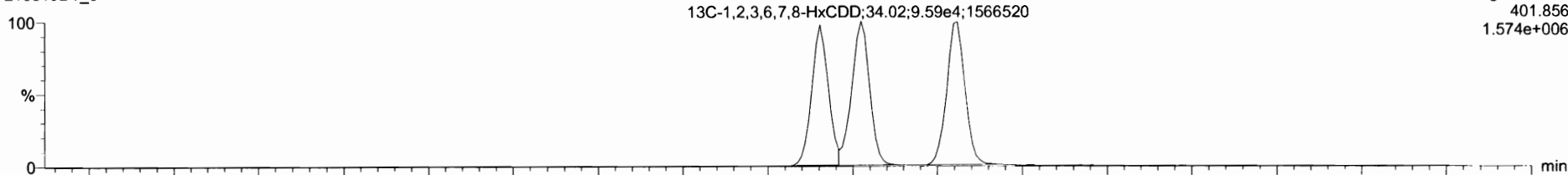


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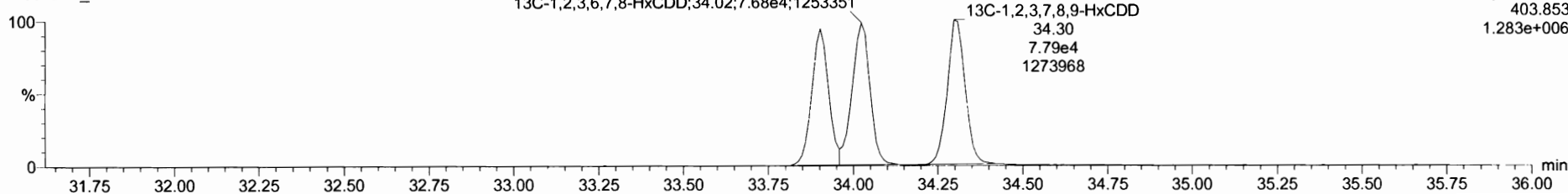


**13C-1,2,3,4,7,8-HxCDD**

210319D1\_6



210319D1\_6



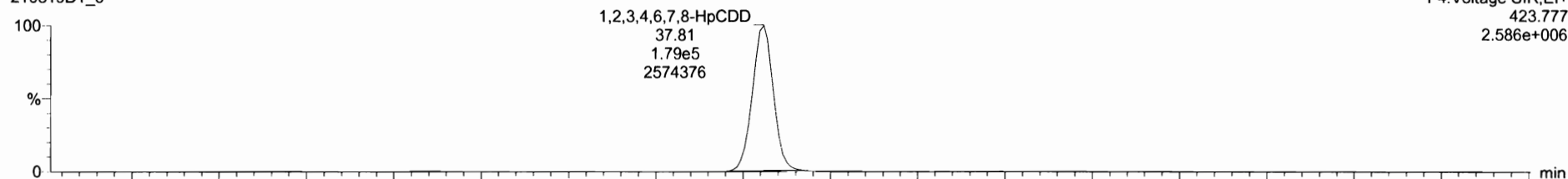
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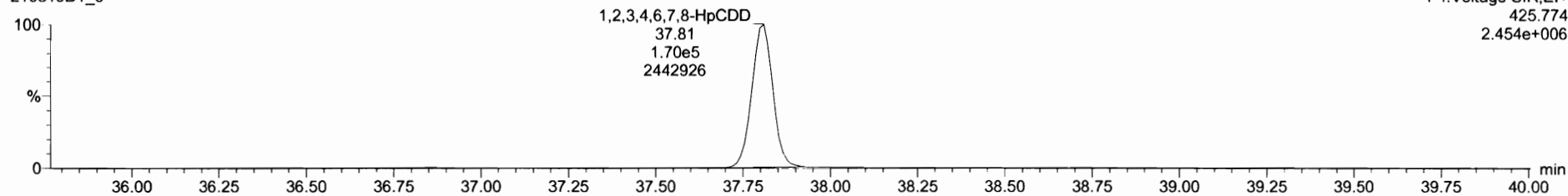
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1,2,3,4,6,7,8-HpCDD

210319D1\_6

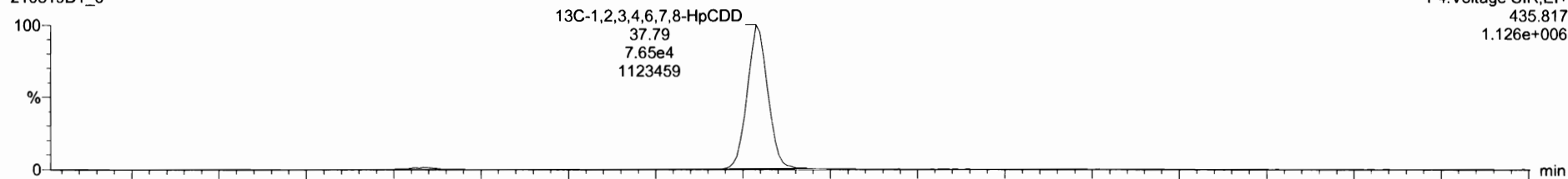


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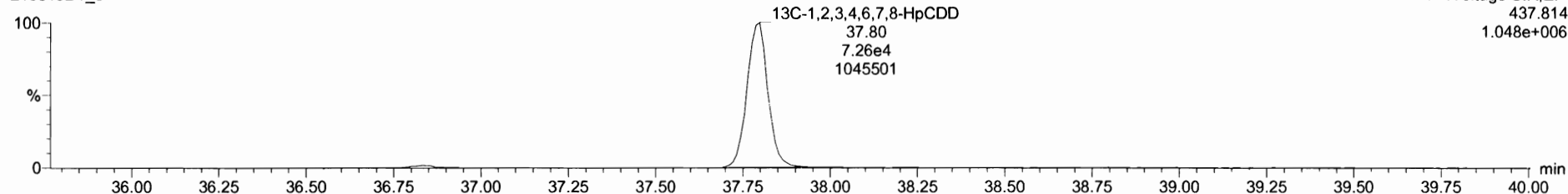


13C-1,2,3,4,6,7,8-HpCDD

210319D1\_6



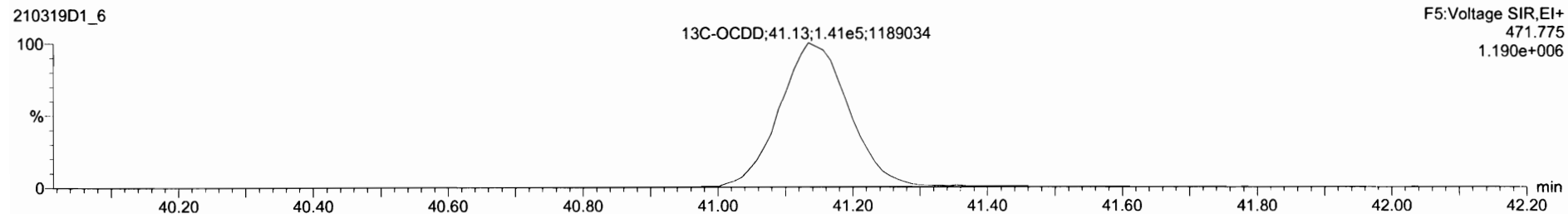
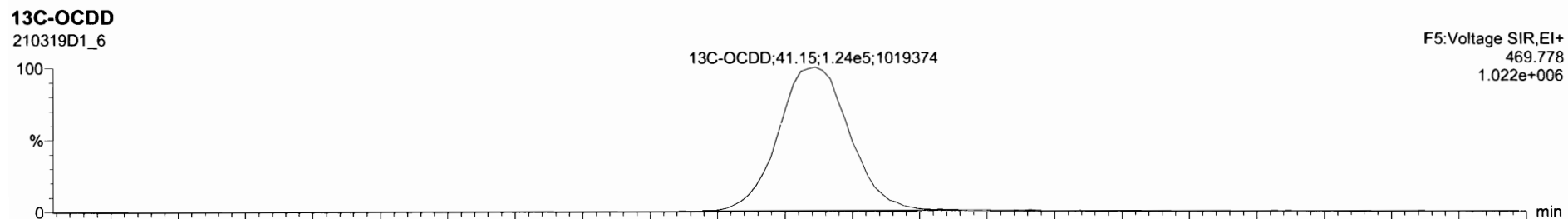
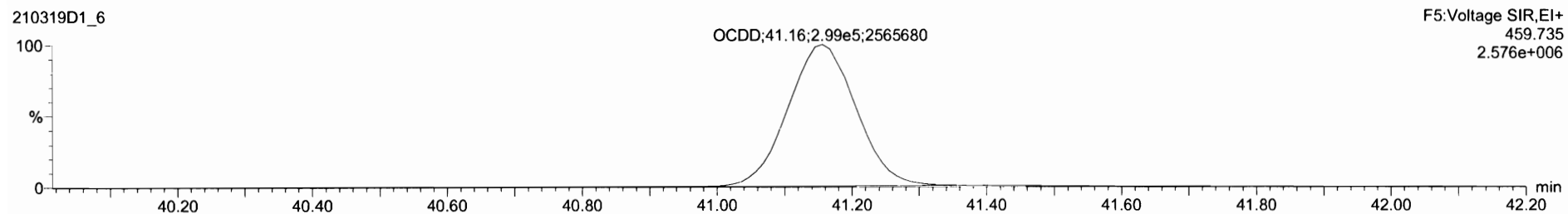
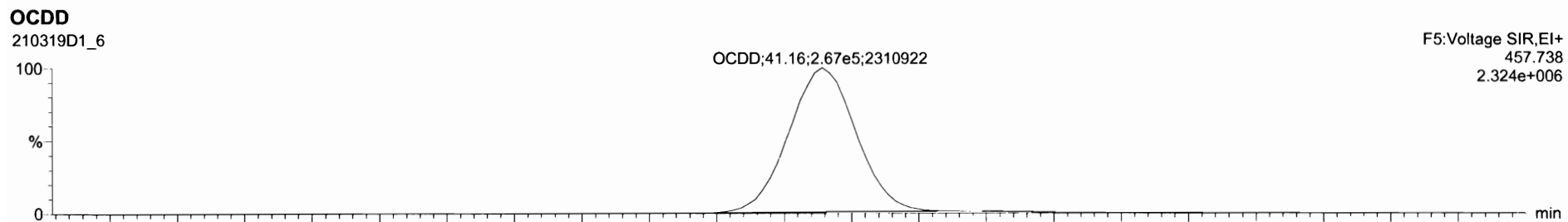
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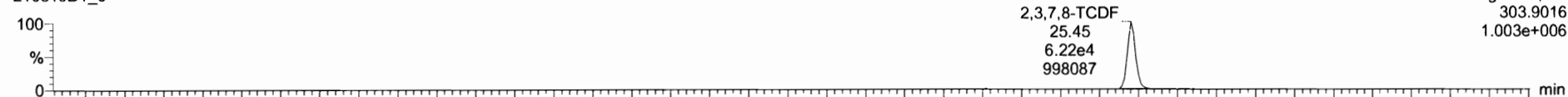
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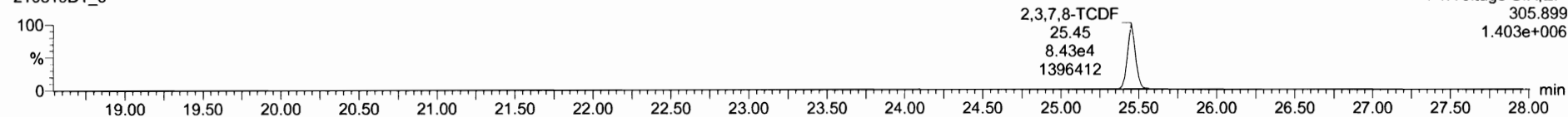
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**2,3,7,8-TCDF**

210319D1\_6

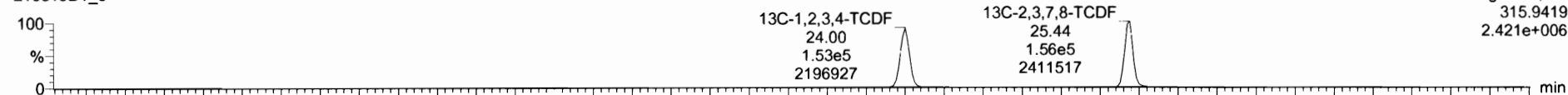


210319D1\_6

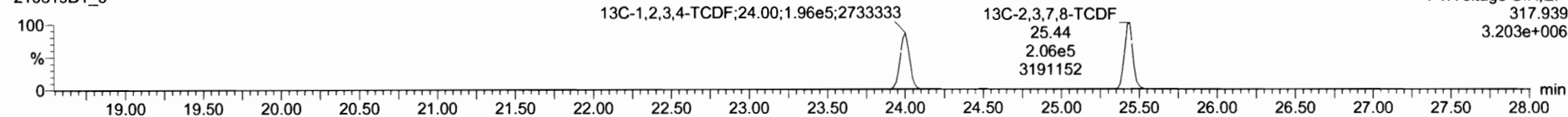


**13C-2,3,7,8-TCDF**

210319D1\_6

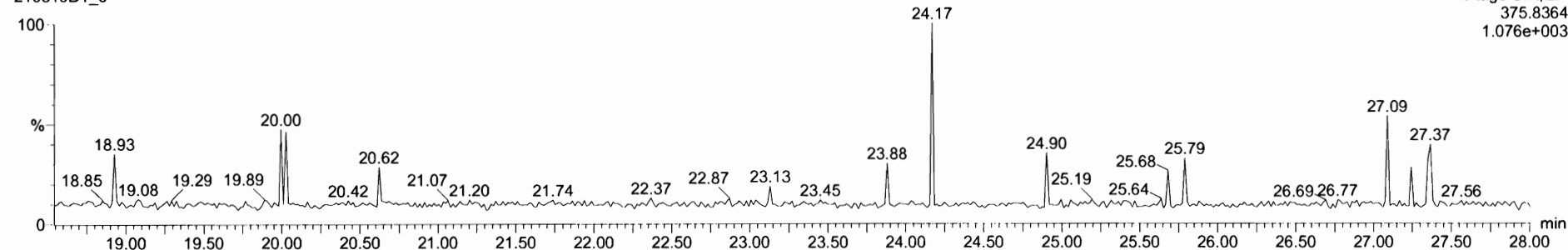


210319D1\_6



**DPE1**

210319D1\_6



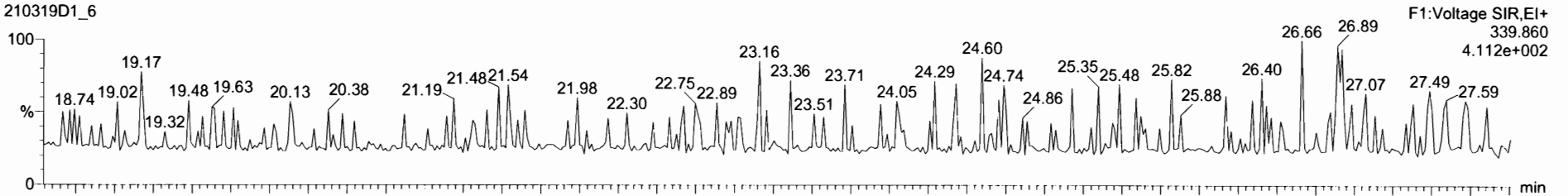
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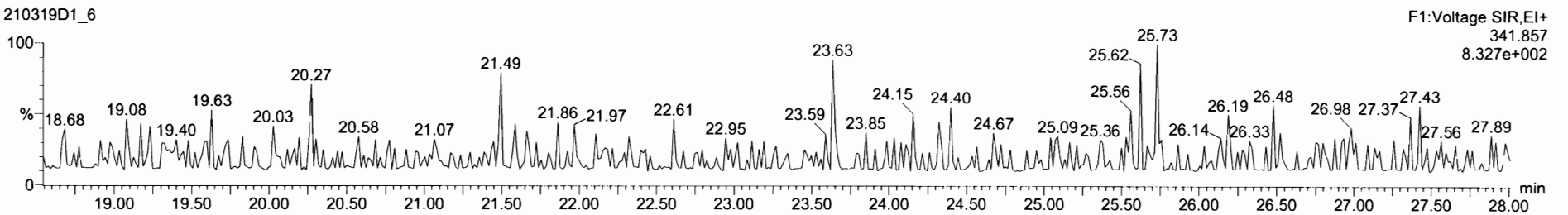
Name: 210319D1\_6, Date: 19-Mar-2021, Time: 11:25:31, ID: ST210319D1-6 1613 CS4 20H2522, Description: 1613 CS4 20H2522

1st Func. Penta-Furans

210319D1\_6

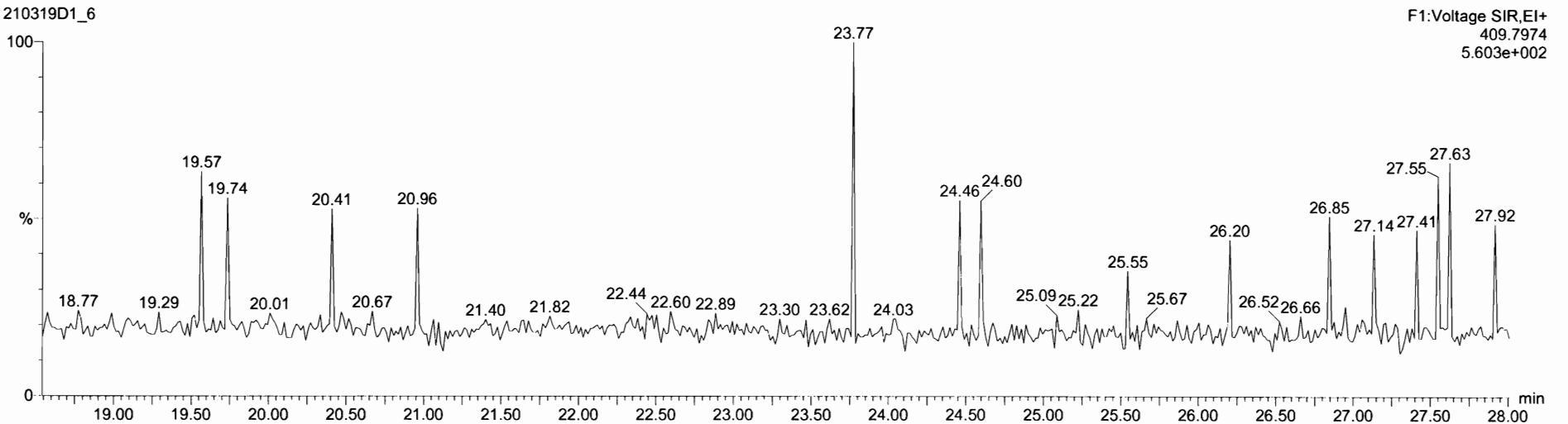


210319D1\_6



DPE6

210319D1\_6



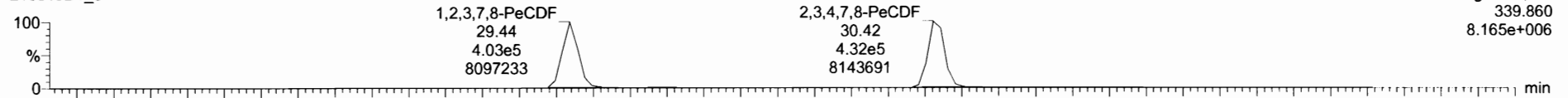
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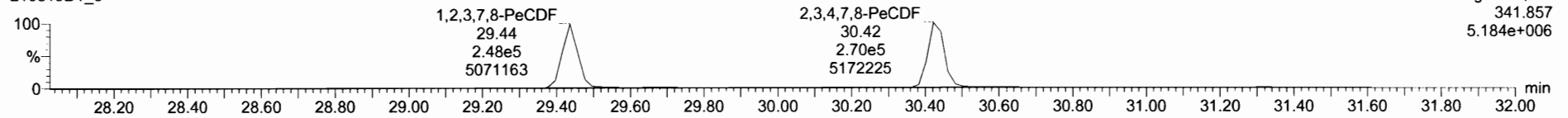
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**1,2,3,7,8-PeCDF**

210319D1\_6

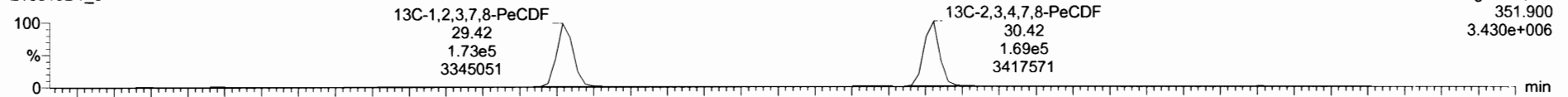


210319D1\_6

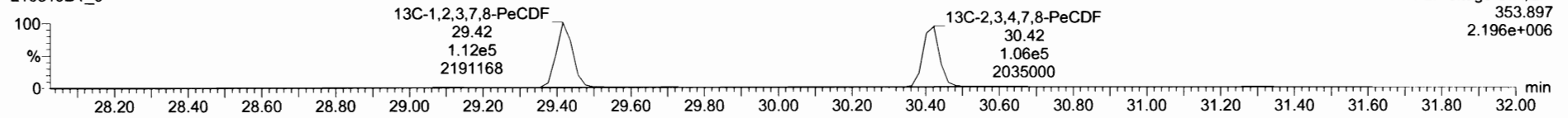


**13C-1,2,3,7,8-PeCDF**

210319D1\_6

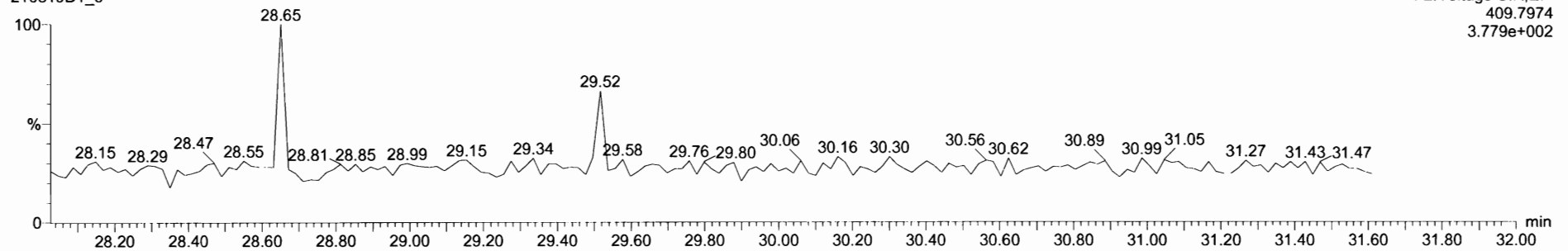


210319D1\_6



**DPE2**

210319D1\_6

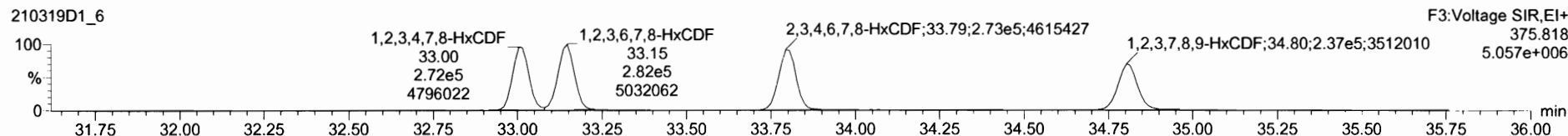
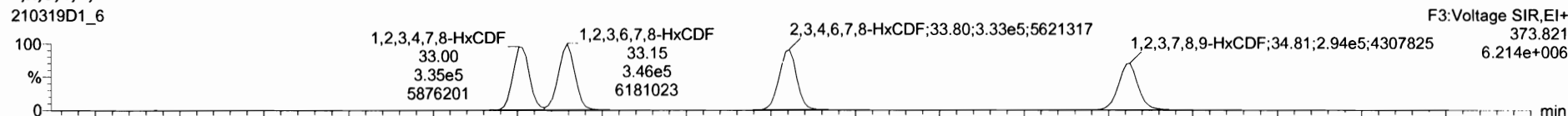


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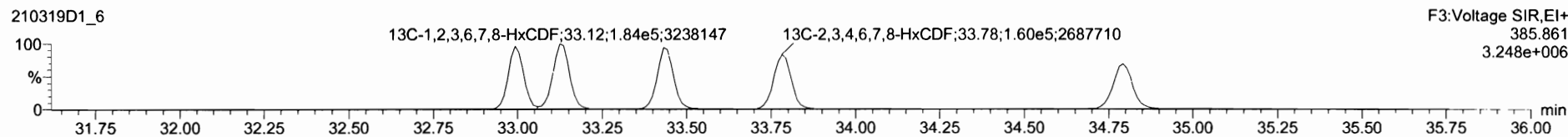
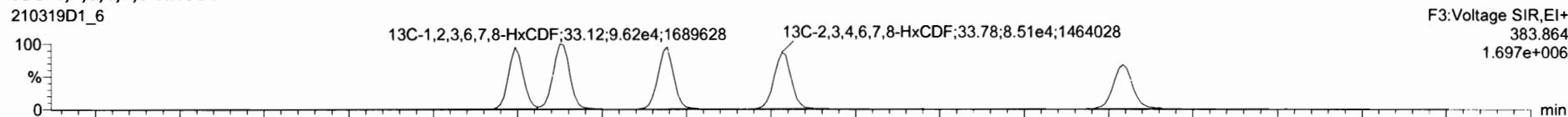
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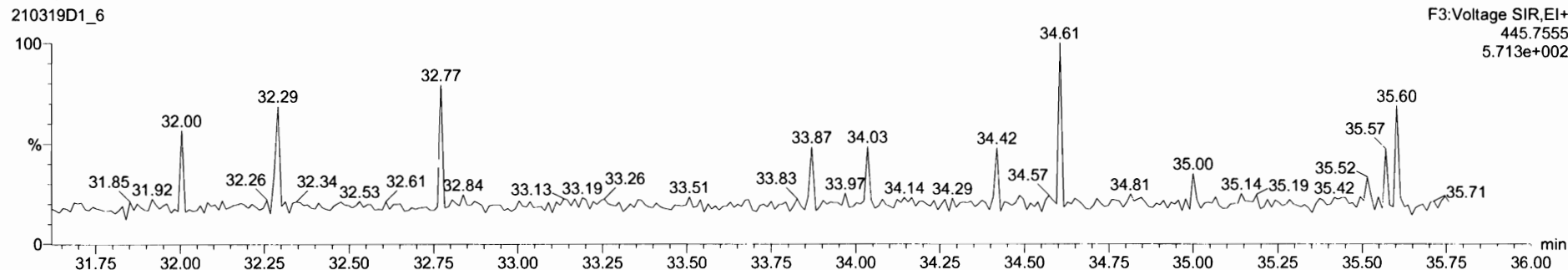
**1,2,3,4,7,8-HxCDF**



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



**DPE3**



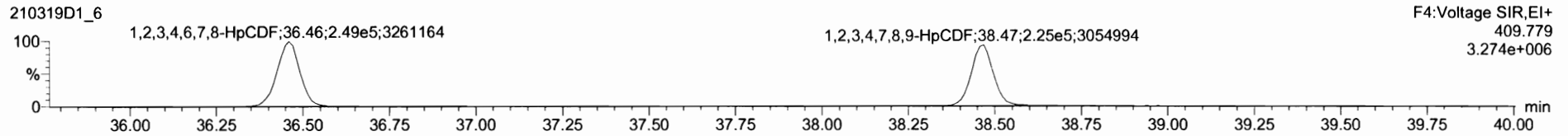
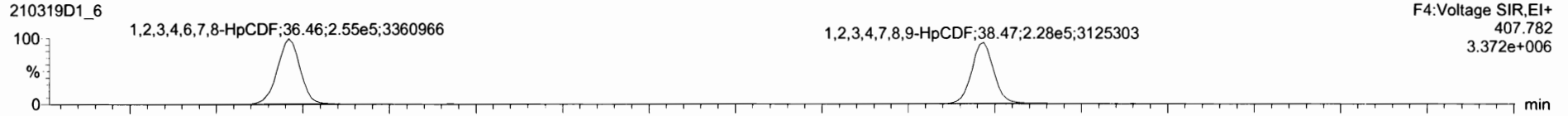


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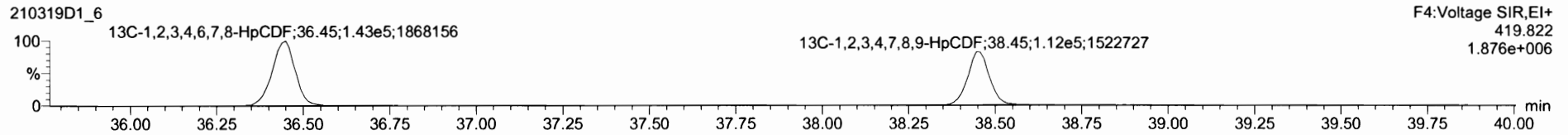
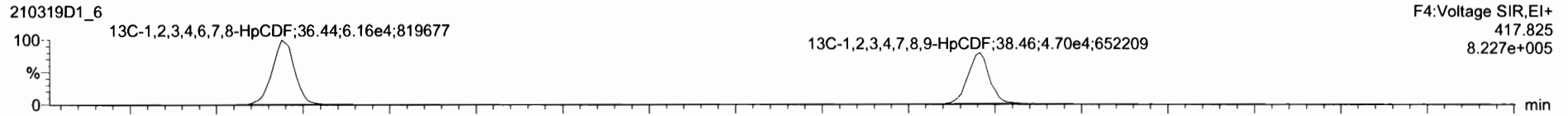
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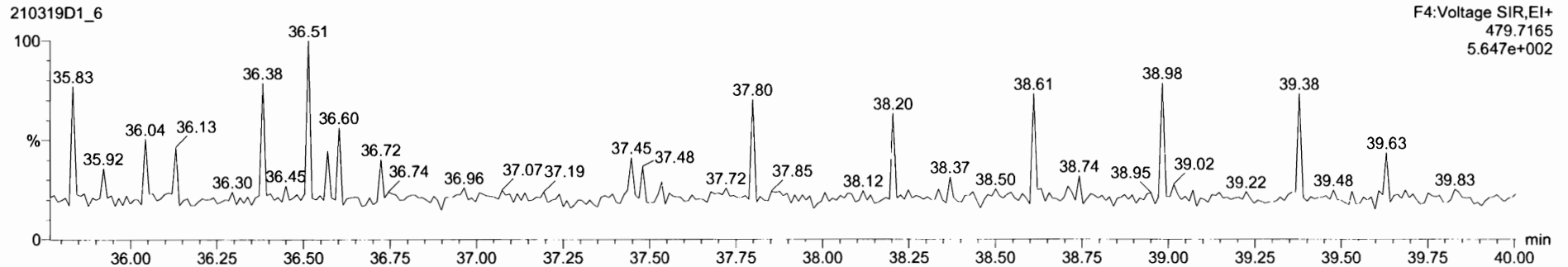
**1,2,3,4,6,7,8-HpCDF**



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



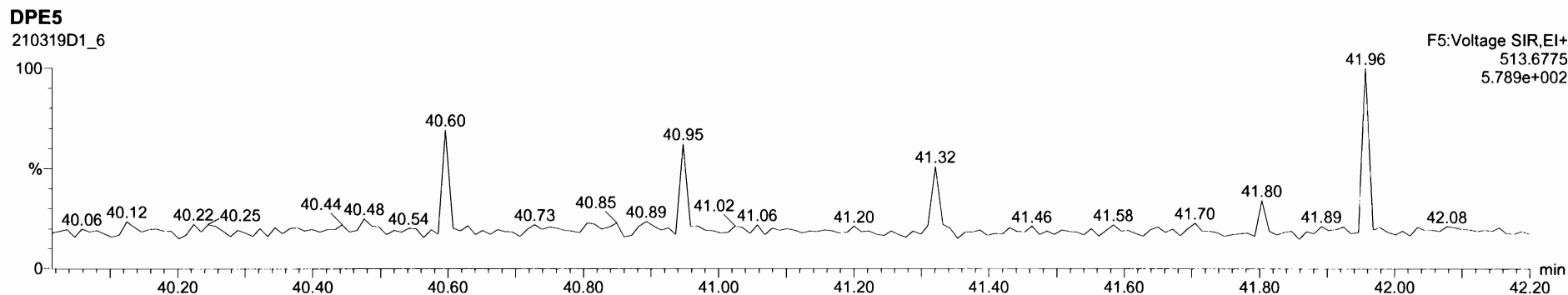
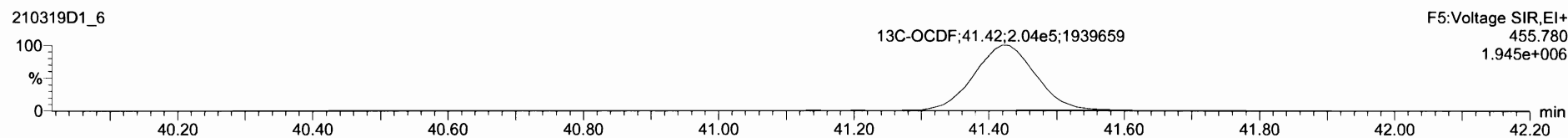
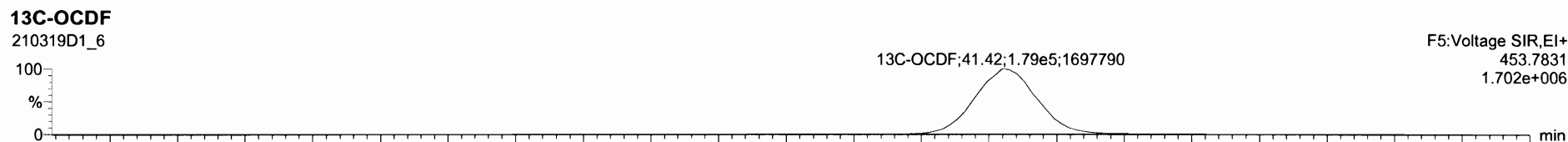
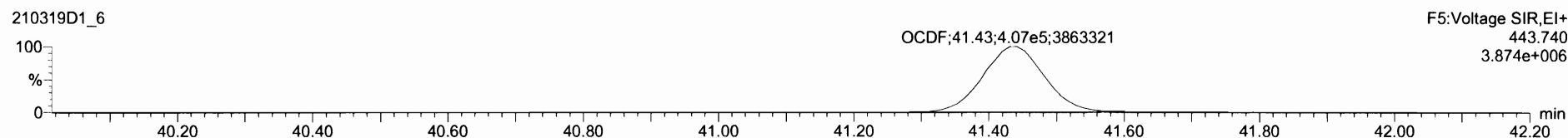
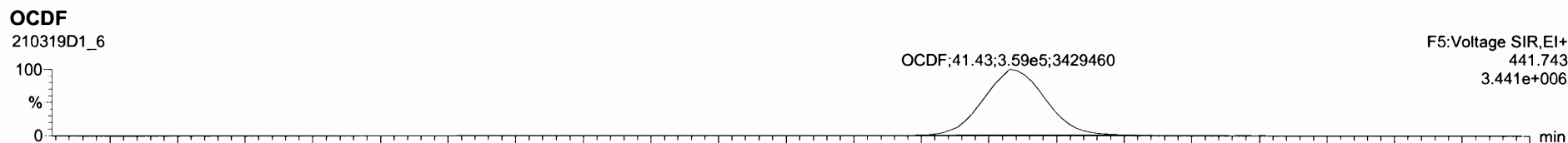
**DPE4**



Dataset: Untitled

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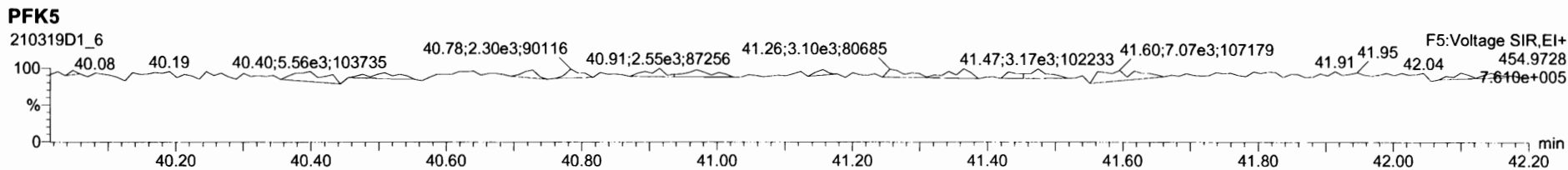
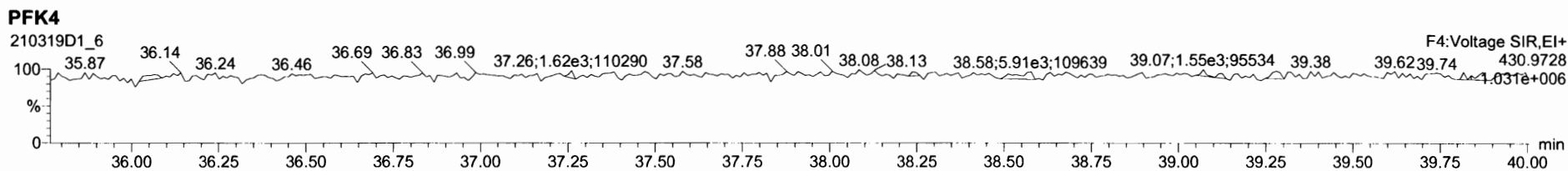
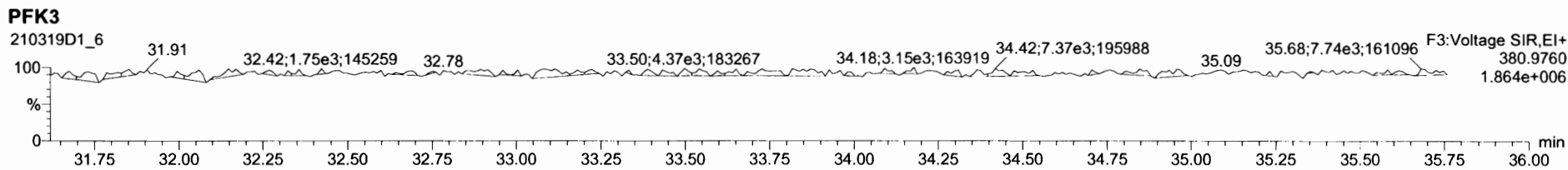
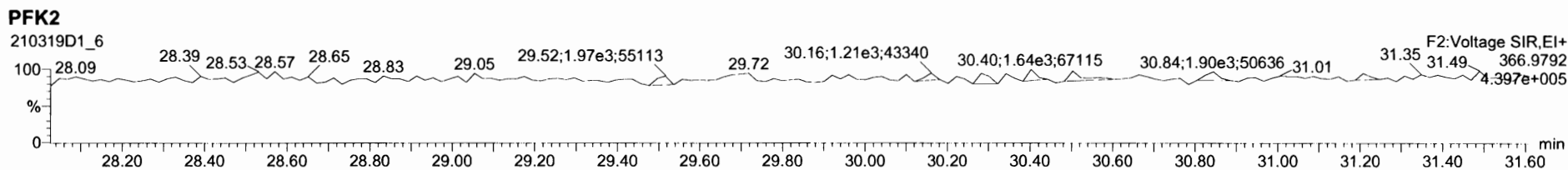
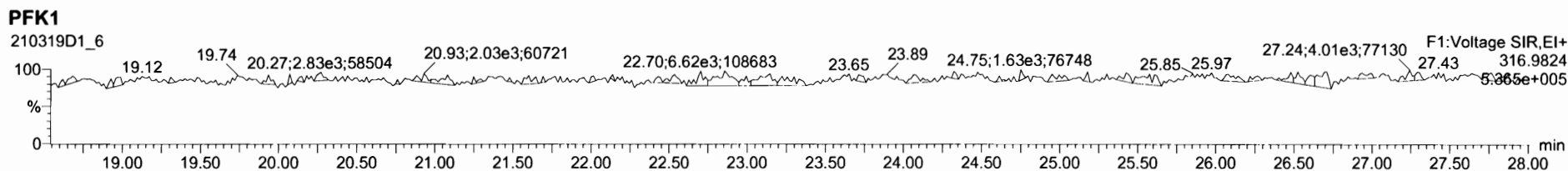
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Name: 210319D1\_6, Date: 19-Mar-2021, Time: 11:25:31, ID: ST210319D1-6 1613 CS4 20H2522, Description: 1613 CS4 20H2522



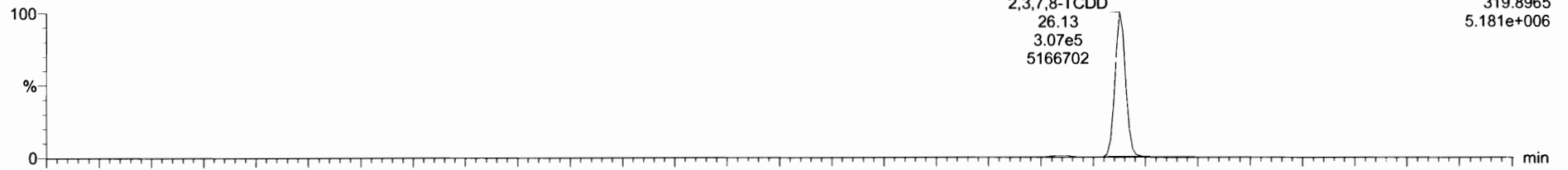
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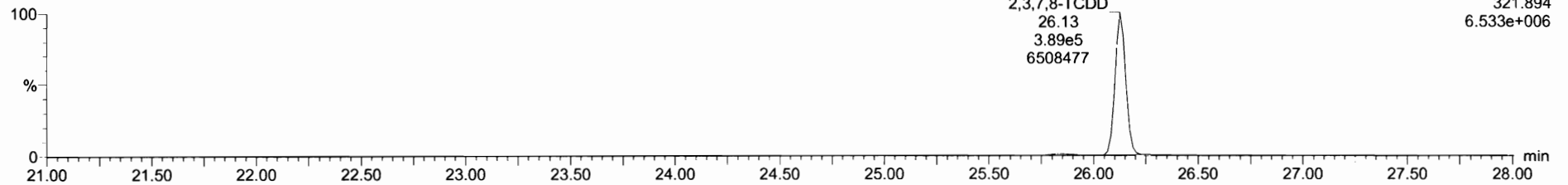
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**2,3,7,8-TCDD**

210319D1\_7

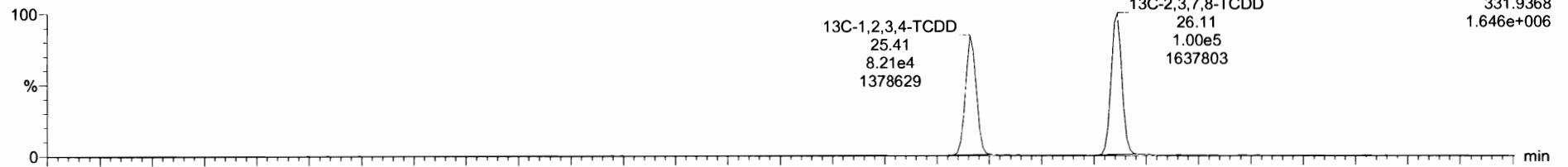


210319D1\_7

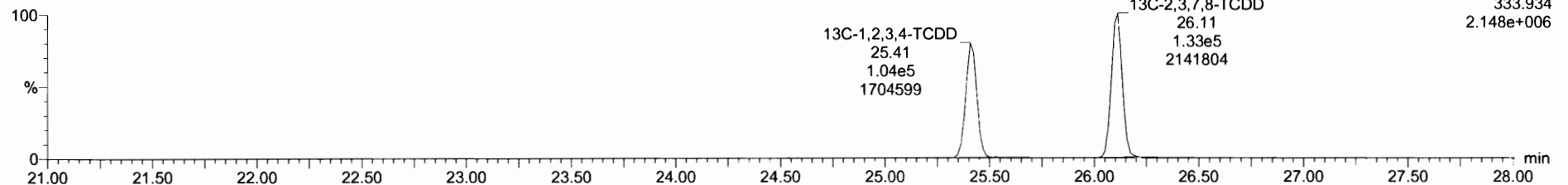


**13C-2,3,7,8-TCDD**

210319D1\_7



210319D1\_7



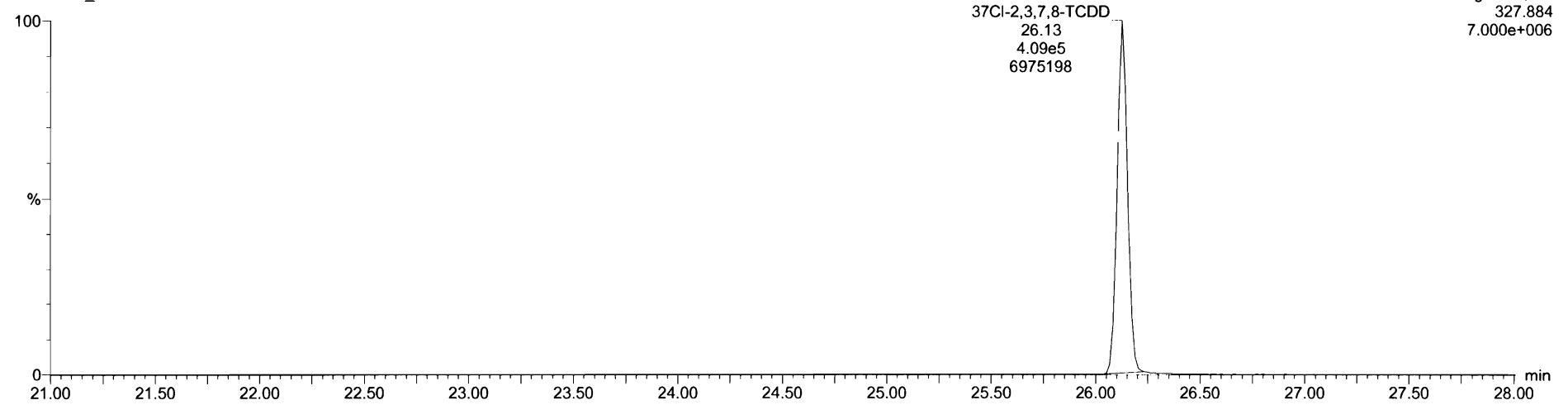
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_7, Date: 19-Mar-2021, Time: 12:11:07, ID: ST210319D1-7 1613 CS5 20H2523, Description: 1613 CS5 20H2523

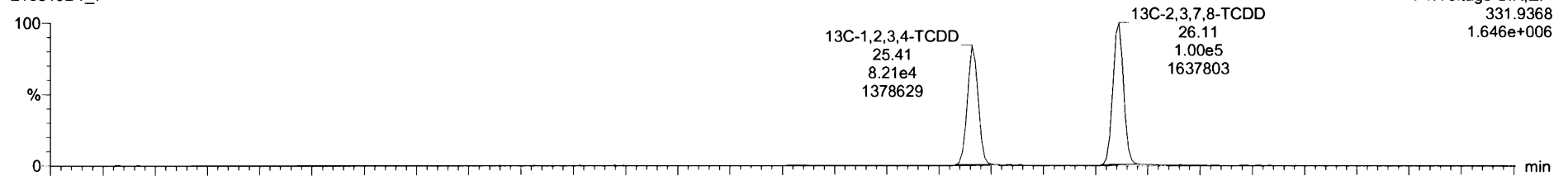
**37Cl-2,3,7,8-TCDD**

210319D1\_7

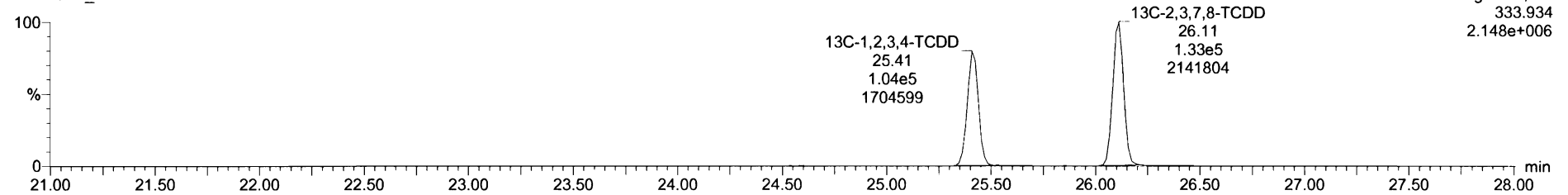


**13C-1,2,3,4-TCDD**

210319D1\_7



210319D1\_7



Dataset: Untitled

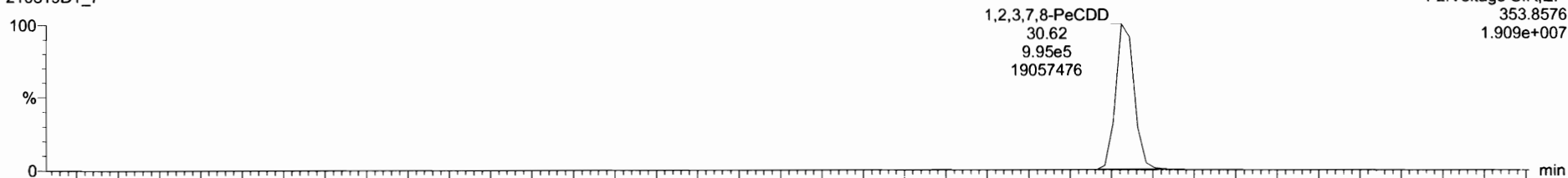
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

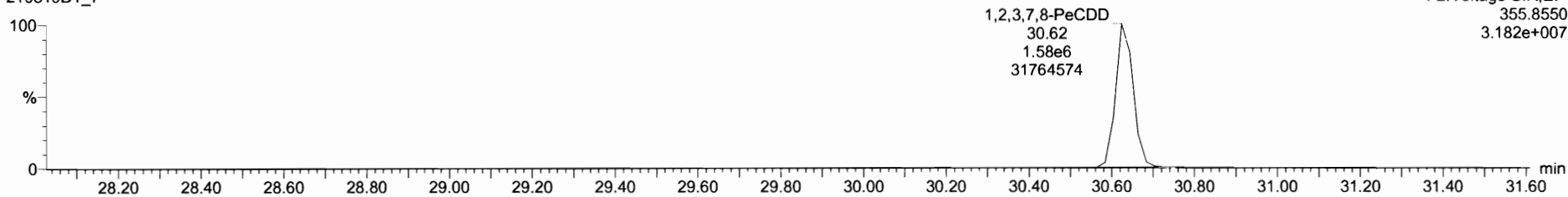
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**1,2,3,7,8-PeCDD**

210319D1\_7

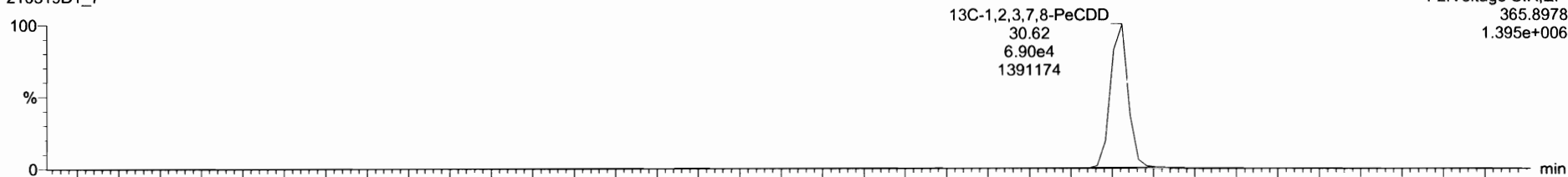


210319D1\_7

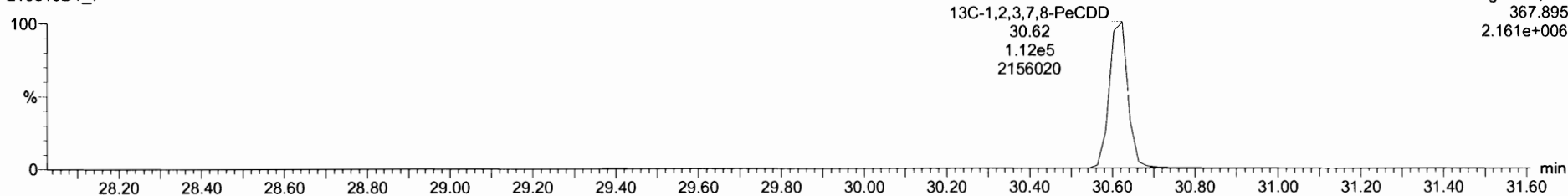


**13C-1,2,3,7,8-PeCDD**

210319D1\_7



210319D1\_7



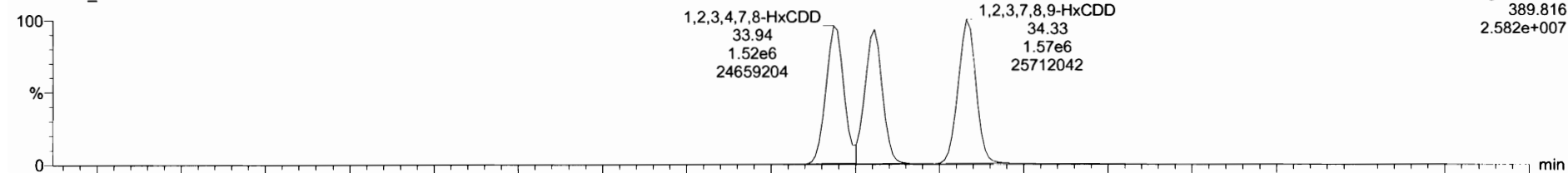
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Name: 210319D1\_7, Date: 19-Mar-2021, Time: 12:11:07, ID: ST210319D1-7 1613 CS5 20H2523, Description: 1613 CS5 20H2523

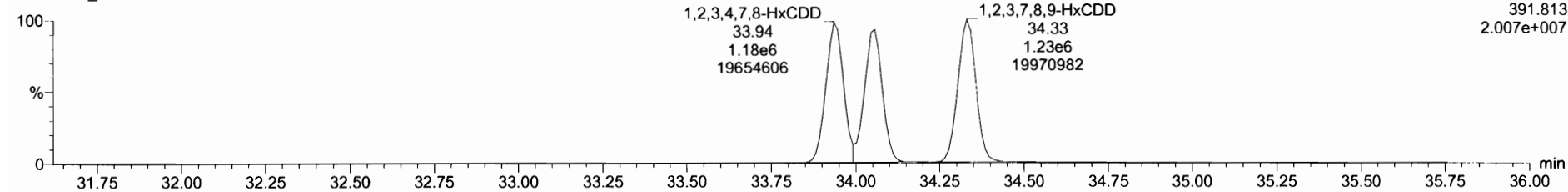
1,2,3,4,7,8-HxCDD

210319D1\_7



F3:Voltage SIR,EI+  
389.816  
2.582e+007

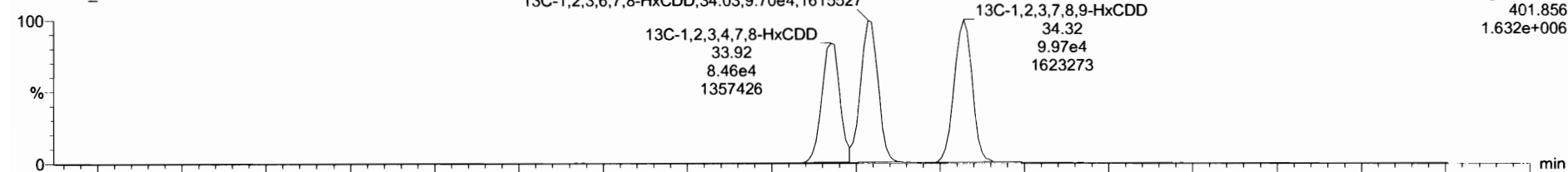
210319D1\_7



F3:Voltage SIR,EI+  
391.813  
2.007e+007

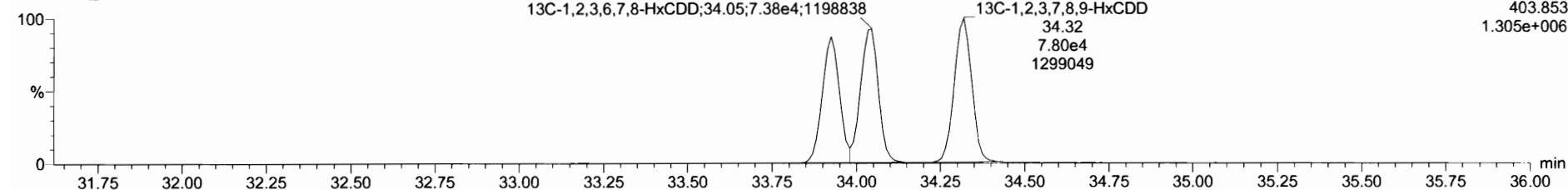
13C-1,2,3,4,7,8-HxCDD

210319D1\_7



F3:Voltage SIR,EI+  
401.856  
1.632e+006

210319D1\_7



F3:Voltage SIR,EI+  
403.853  
1.305e+006

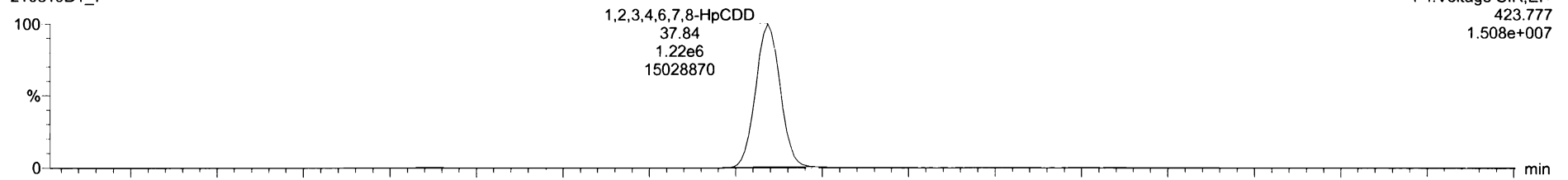
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

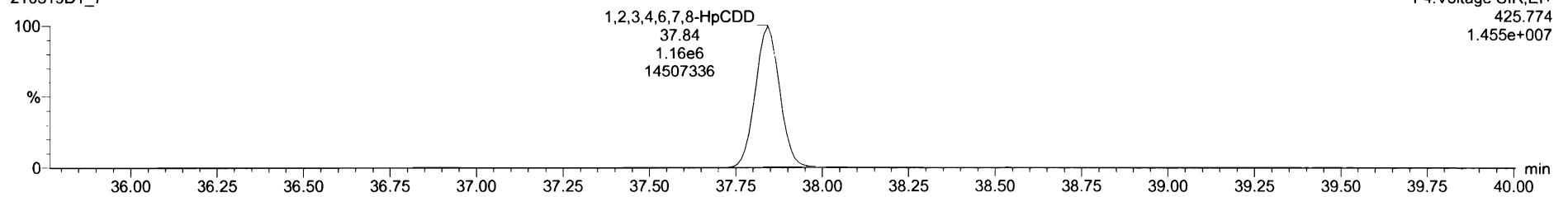
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**1,2,3,4,6,7,8-HpCDD**

210319D1\_7

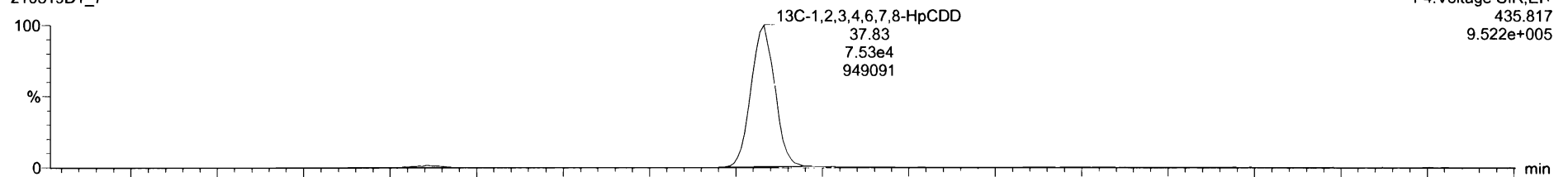


210319D1\_7

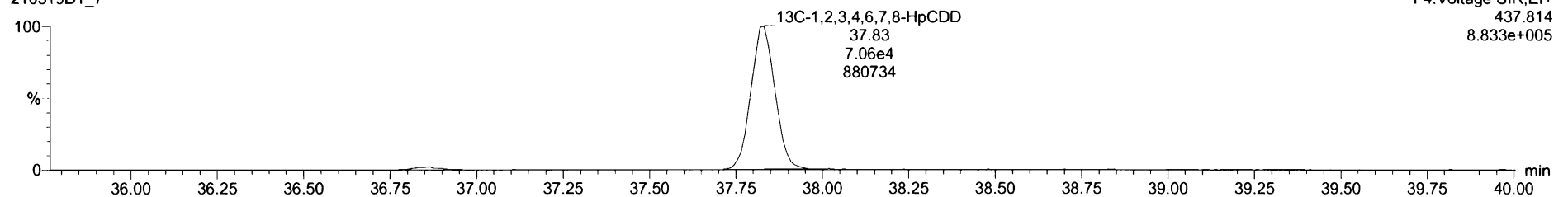


**13C-1,2,3,4,6,7,8-HpCDD**

210319D1\_7



210319D1\_7

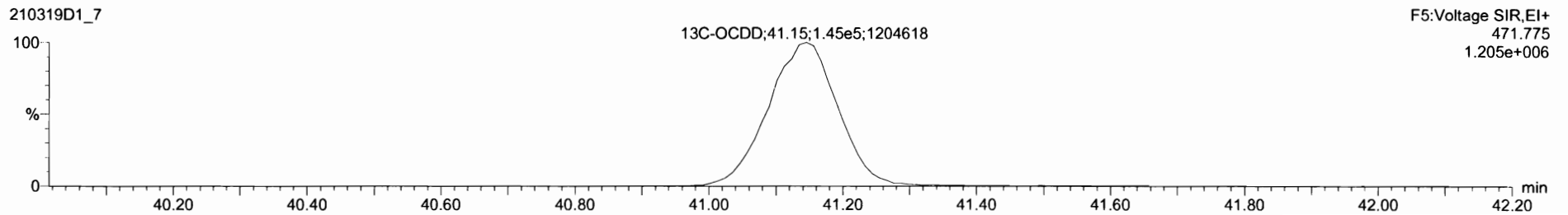
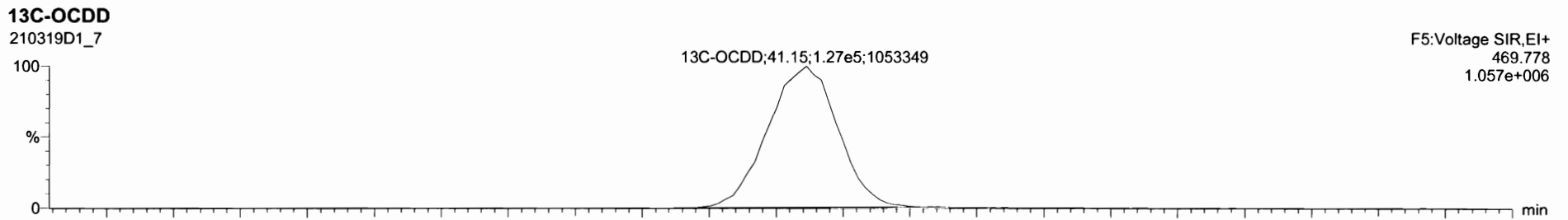
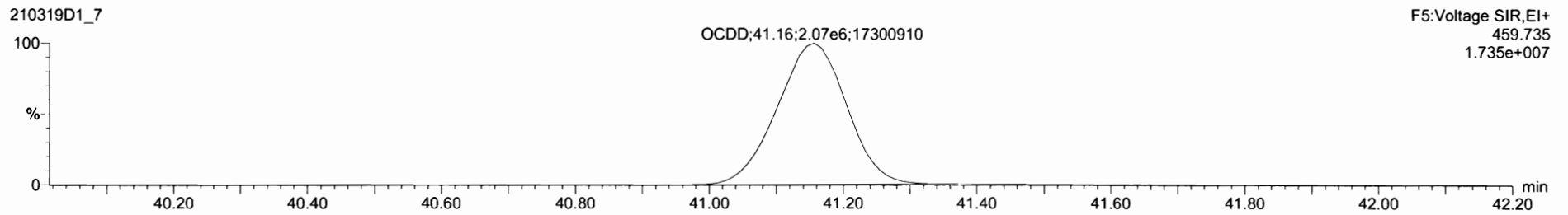
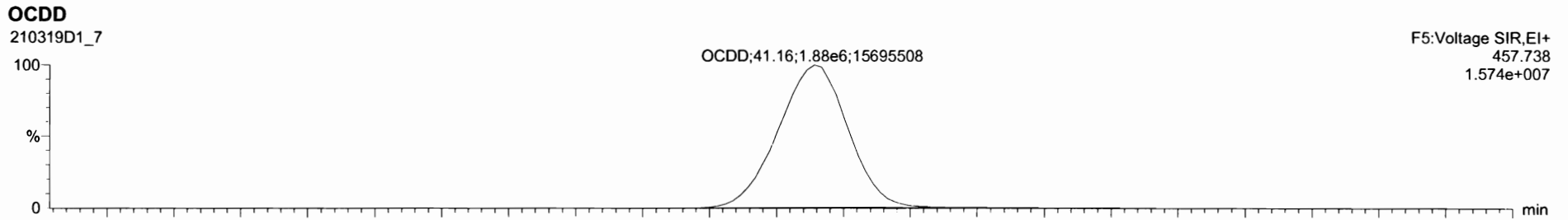




Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_7, Date: 19-Mar-2021, Time: 12:11:07, ID: ST210319D1-7 1613 CS5 20H2523, Description: 1613 CS5 20H2523



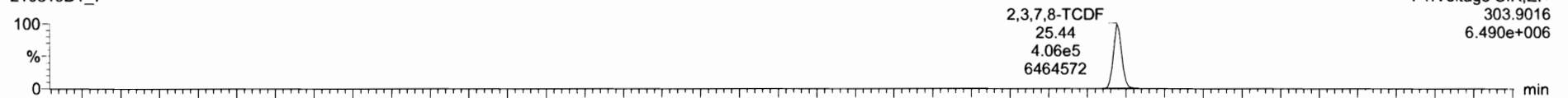
Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

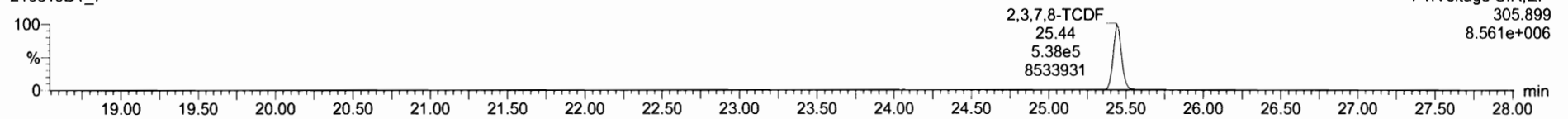
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**2,3,7,8-TCDF**

210319D1\_7

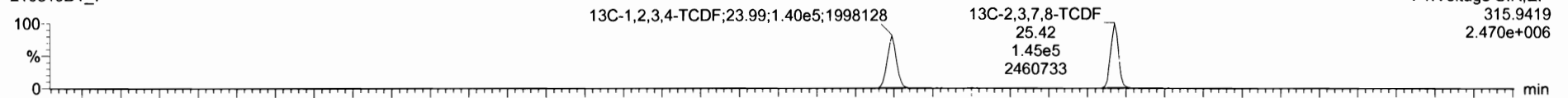


210319D1\_7

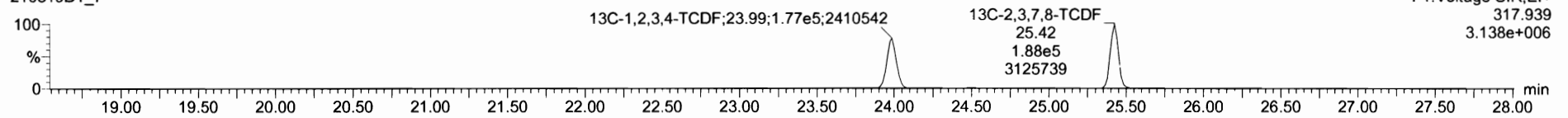


**13C-2,3,7,8-TCDF**

210319D1\_7

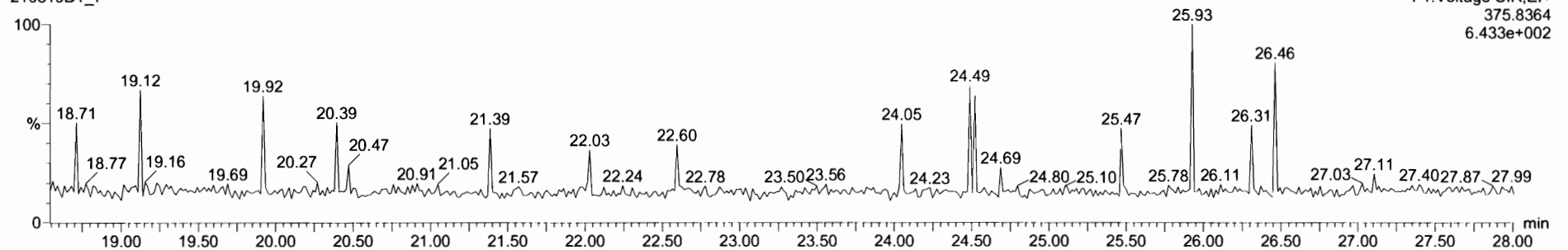


210319D1\_7



**DPE1**

210319D1\_7



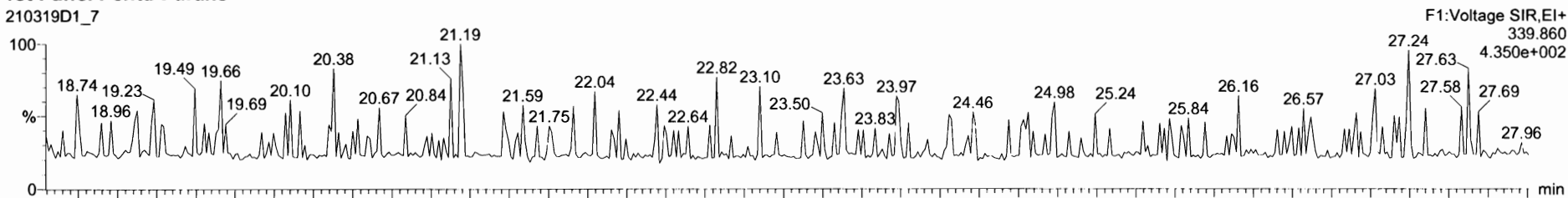
Dataset: Untitled

Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

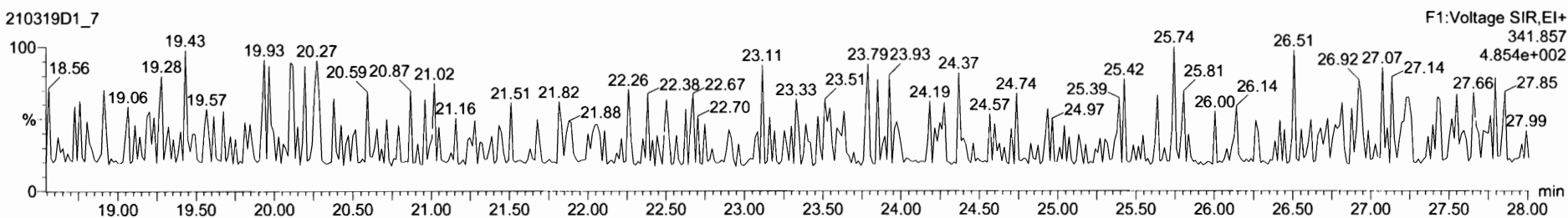
Name: 210319D1\_7, Date: 19-Mar-2021, Time: 12:11:07, ID: ST210319D1-7 1613 CS5 20H2523, Description: 1613 CS5 20H2523

1st Func. Penta-Furans

210319D1\_7

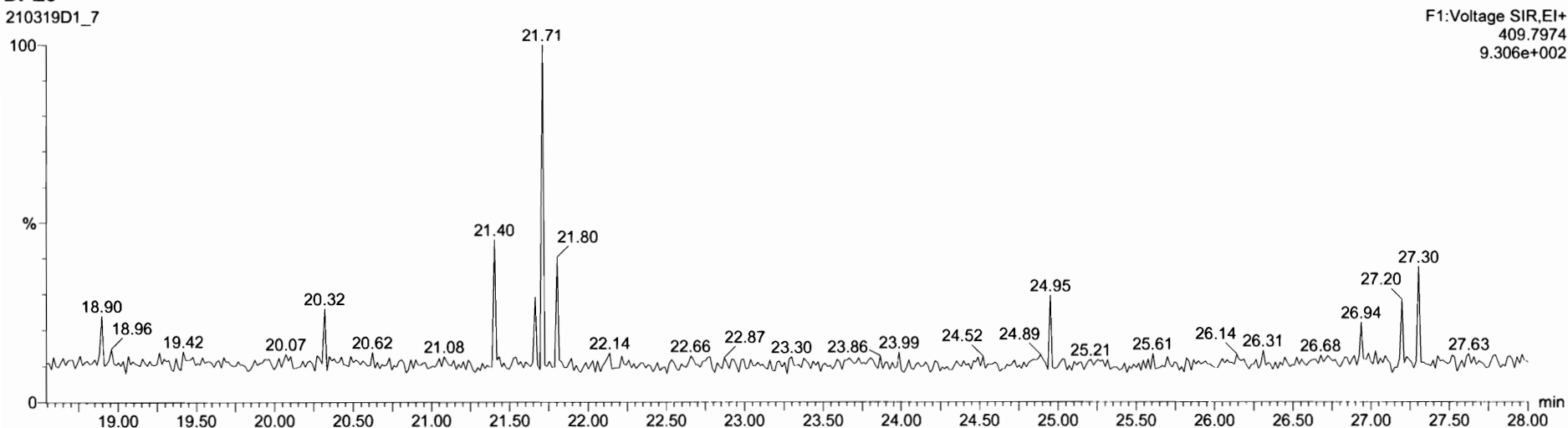


210319D1\_7



DPE6

210319D1\_7



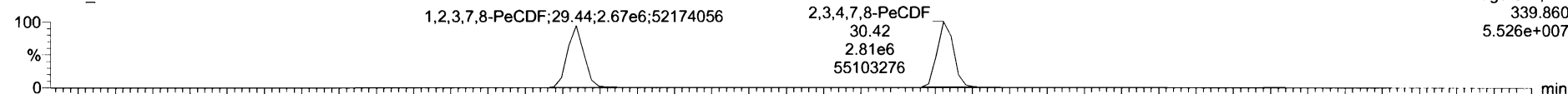
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Last Altered: Monday, March 22, 2021 15:03:48 Pacific Daylight Time  
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

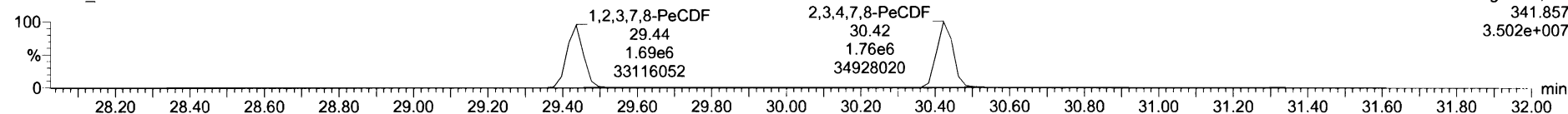
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**1,2,3,7,8-PeCDF**

210319D1\_7

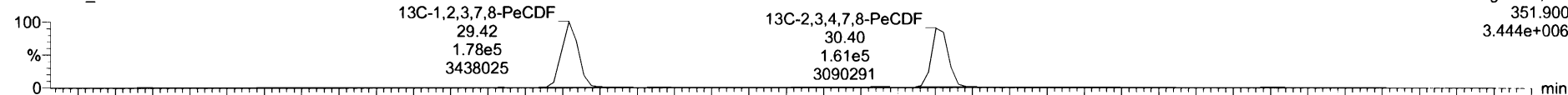


210319D1\_7

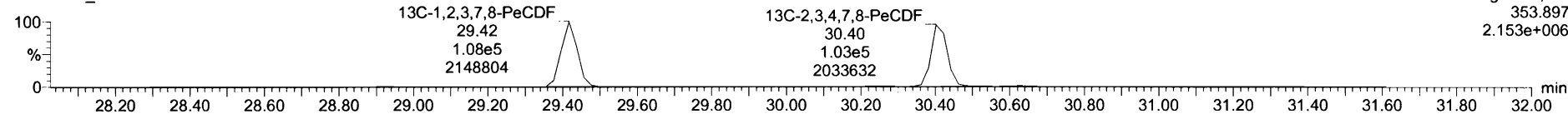


**13C-1,2,3,7,8-PeCDF**

210319D1\_7

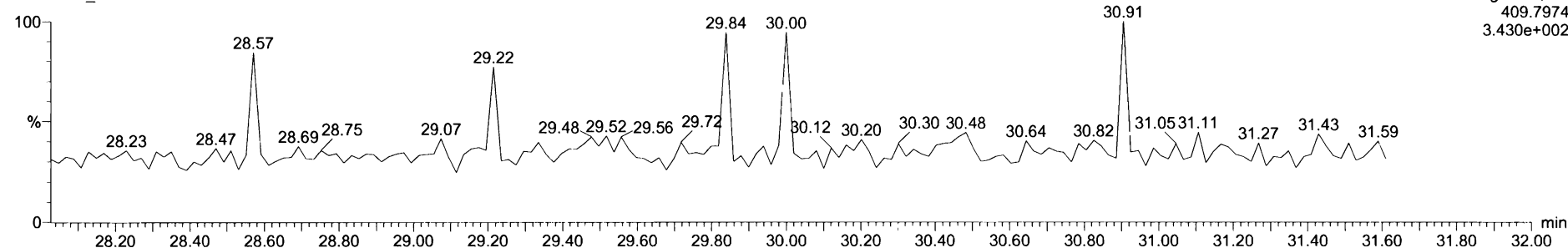


210319D1\_7



**DPE2**

210319D1\_7

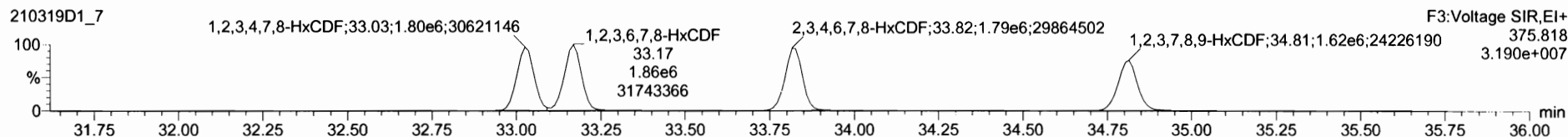
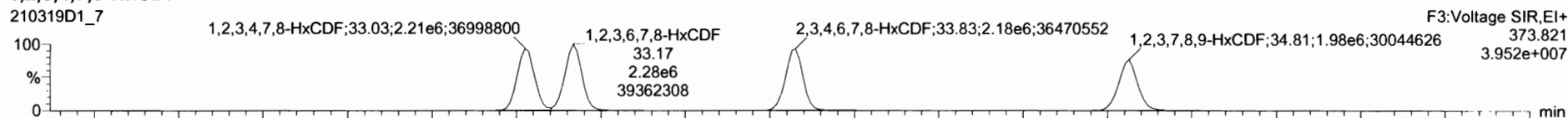


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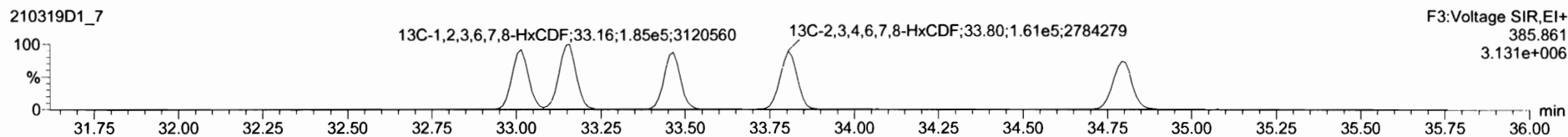
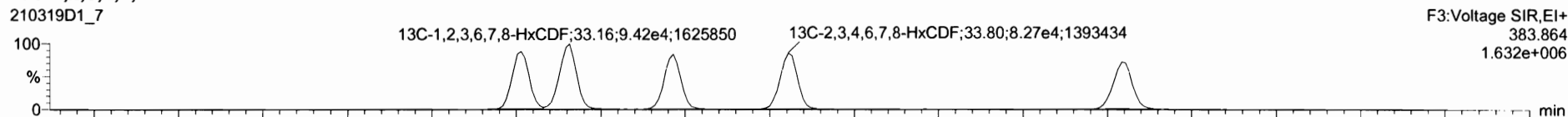
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

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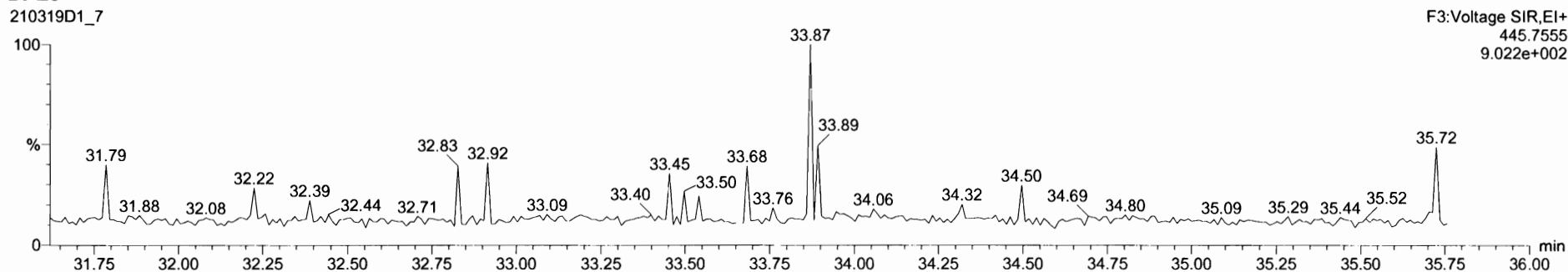
**1,2,3,4,7,8-HxCDF**



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



**DPE3**



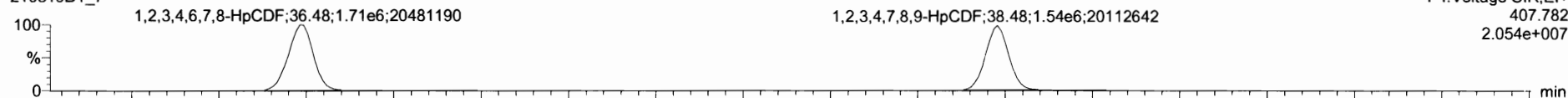
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

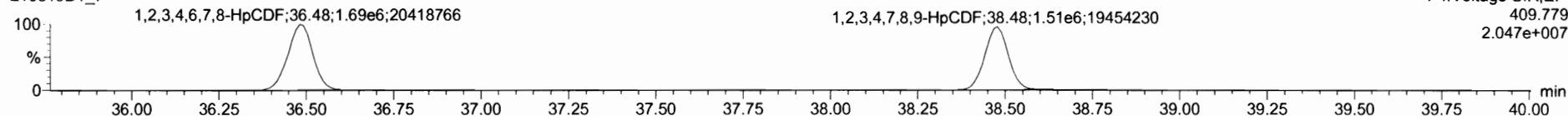
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**1,2,3,4,6,7,8-HpCDF**

210319D1\_7

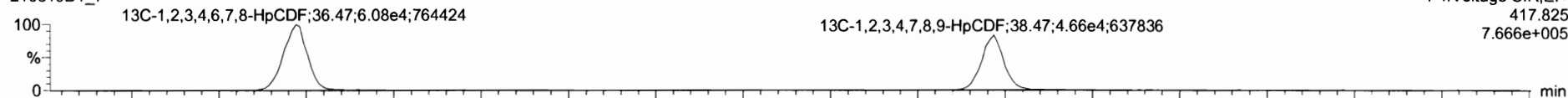


210319D1\_7

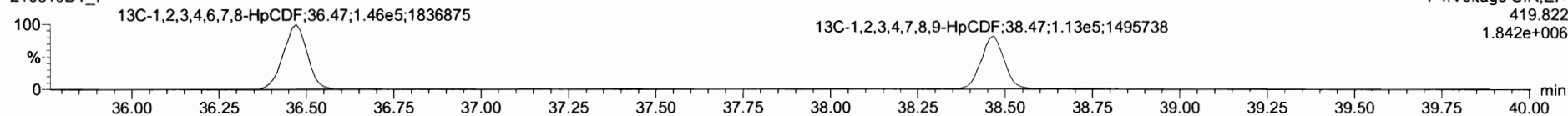


**13C-1,2,3,4,6,7,8-HpCDF**

210319D1\_7

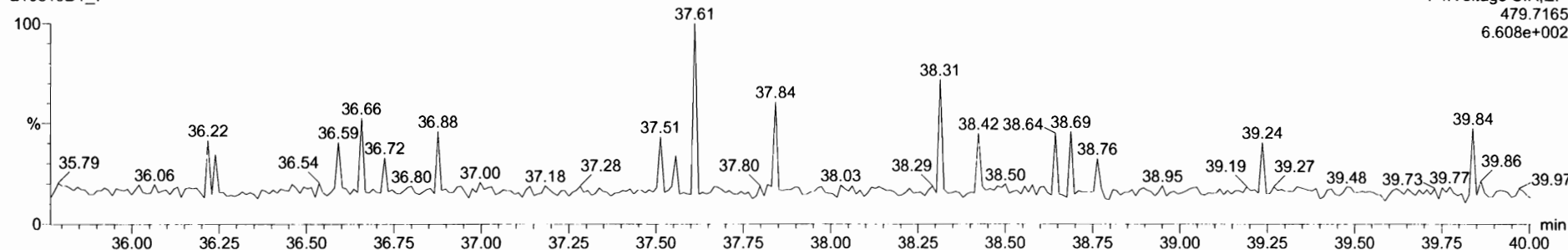


210319D1\_7



**DPE4**

210319D1\_7



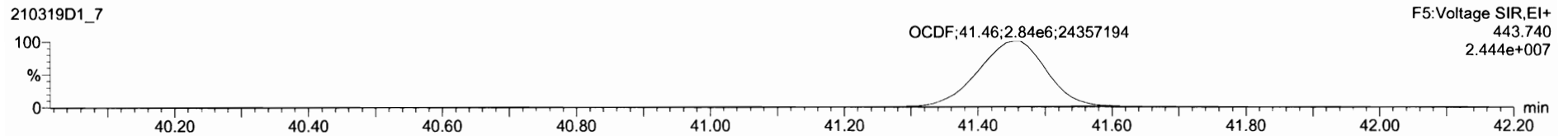
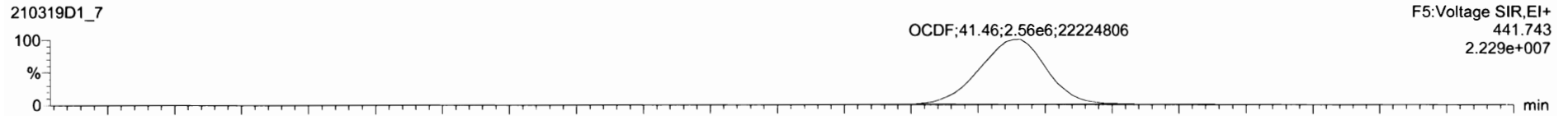
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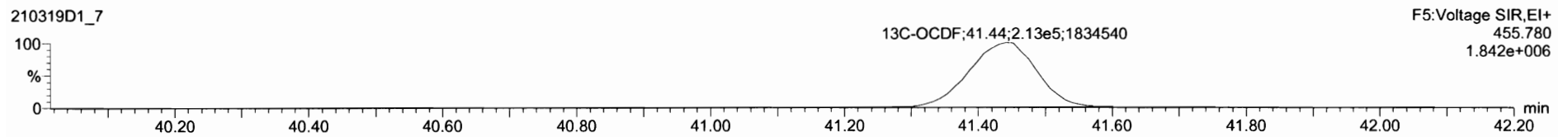
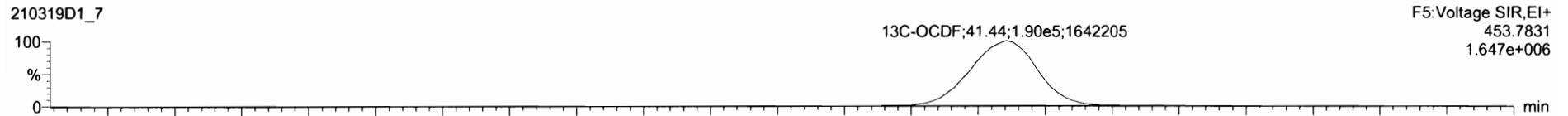
Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

Name: 210319D1\_7, Date: 19-Mar-2021, Time: 12:11:07, ID: ST210319D1-7 1613 CS5 20H2523, Description: 1613 CS5 20H2523

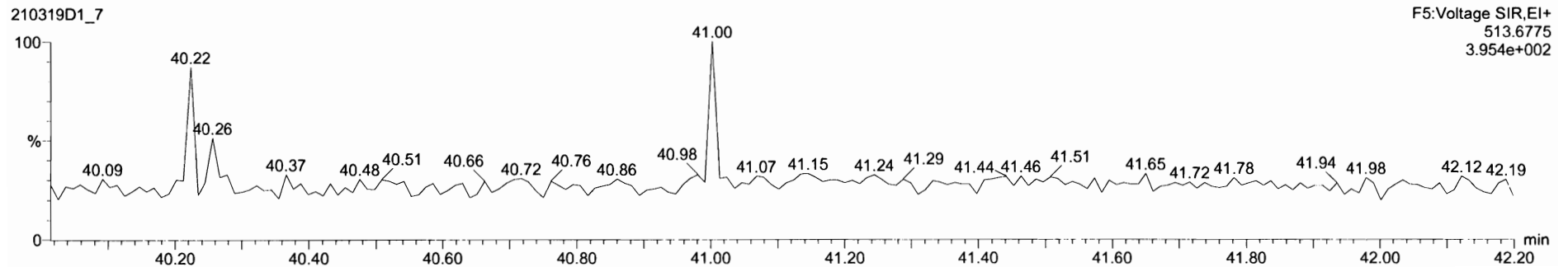
**OCDF**



**13C-OCDF**



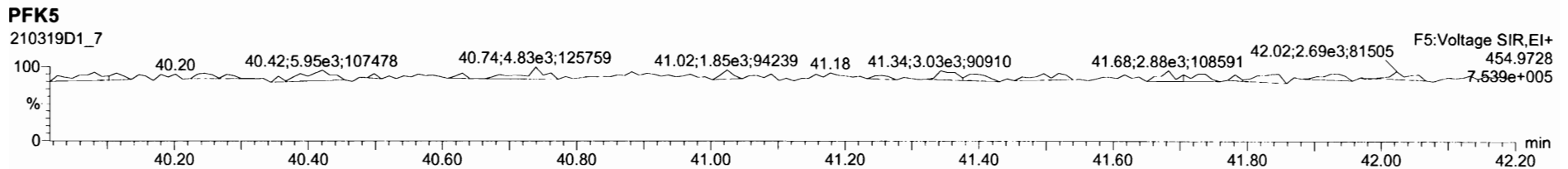
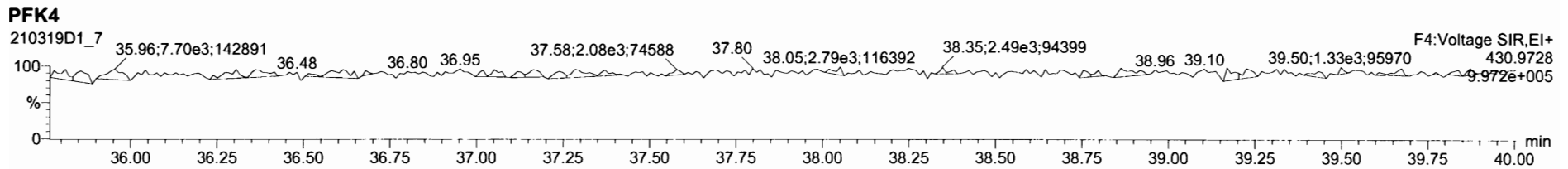
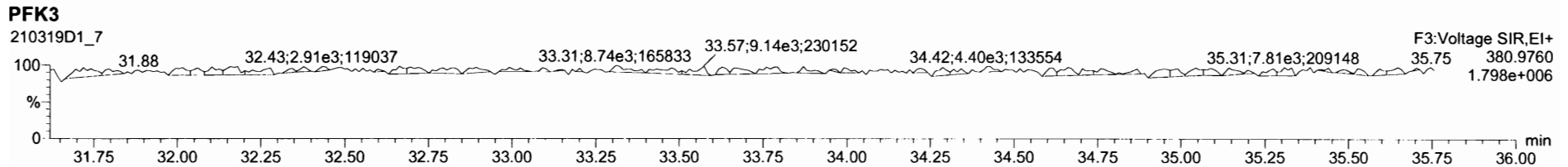
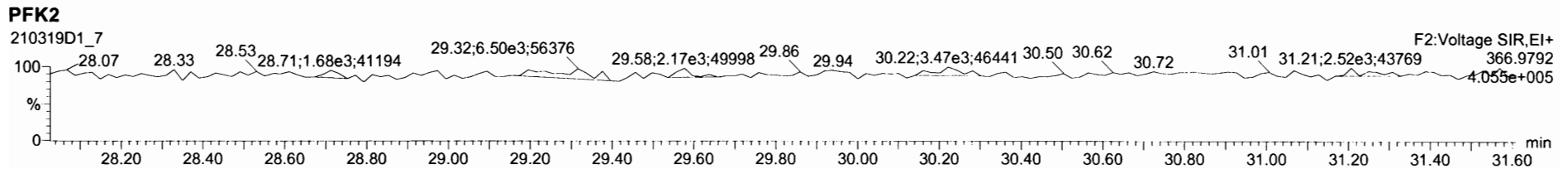
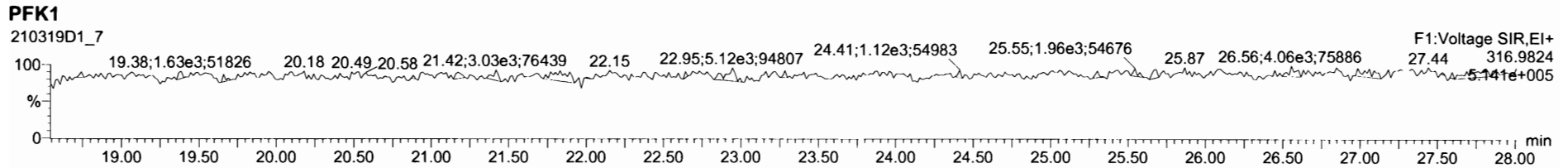
**DPE5**



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Dataset: U:\VG7.PRO\Results\210319D1\210319D1-9.qld

Last Altered: Monday, March 22, 2021 15:11:17 Pacific Daylight Time  
 Printed: Monday, March 22, 2021 17:10:37 Pacific Daylight Time

*Handwritten signature*

Method: C:\MassLynx\Default.pro\Methdb\1613\_rrt\_3-19-21.mdb 22 Mar 2021 13:57:18  
 Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-3-19-21.cdb 22 Mar 2021 14:48:33

Name: 210319D1\_9, Date: 19-Mar-2021, Time: 13:42:53, ID: SS210319D1-1 1613 SSS 20H2524, Description: 1613 SSS 20H2524, Task: ICAL210319D1\_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.99e4	0.77	NO	0.998	1.000	26.14	1.001	9.1262	91.3	0.0378	9.13
2	1,2,3,7,8-PeCDD	7.26e4	0.61	NO	0.961	1.000	30.64	1.001	48.967	97.9	0.0638	49.0
3	1,2,3,4,7,8-HxCDD	7.26e4	1.28	NO	1.18	1.000	33.92	1.000	47.174	94.3	0.107	47.2
4	1,2,3,6,7,8-HxCDD	7.89e4	1.28	NO	1.04	1.000	34.04	1.000	51.034	102	0.109	51.0
5	1,2,3,7,8,9-HxCDD	7.54e4	1.26	NO	1.06	1.000	34.34	1.000	48.298	96.6	0.121	48.3
6	1,2,3,4,6,7,8-HpCDD	6.50e4	1.03	NO	1.06	1.000	37.85	1.000	49.245	98.5	0.240	49.2
7	OCDD	1.06e5	0.89	NO	0.977	1.000	41.13	1.000	101.27	101	0.335	101
8	2,3,7,8-TCDF	2.92e4	0.76	NO	0.989	1.000	25.45	1.001	8.6575	86.6	0.0333	8.66
9	1,2,3,7,8-PeCDF	1.26e5	1.64	NO	1.02	1.000	29.46	1.001	47.984	96.0	0.126	48.0
10	2,3,4,7,8-PeCDF	1.43e5	1.67	NO	1.17	1.000	30.44	1.001	51.467	103	0.117	51.5
11	1,2,3,4,7,8-HxCDF	1.25e5	1.25	NO	1.14	1.000	33.03	1.000	49.536	99.1	0.146	49.5
12	1,2,3,6,7,8-HxCDF	1.28e5	1.26	NO	1.04	1.000	33.16	1.000	49.945	99.9	0.151	49.9
13	2,3,4,6,7,8-HxCDF	1.24e5	1.22	NO	1.13	1.000	33.81	1.001	50.967	102	0.176	51.0
14	1,2,3,7,8,9-HxCDF	9.87e4	1.25	NO	1.07	1.000	34.82	1.000	48.288	96.6	0.251	48.3
15	1,2,3,4,6,7,8-HpCDF	1.01e5	1.01	NO	1.11	1.000	36.48	1.000	50.772	102	0.218	50.8
16	1,2,3,4,7,8,9-HpCDF	7.99e4	1.04	NO	1.32	1.000	38.51	1.000	46.804	93.6	0.273	46.8
17	OCDF	1.32e5	0.89	NO	0.931	1.000	41.45	1.000	92.072	92.1	0.254	92.1
18	13C-2,3,7,8-TCDD	2.18e5	0.75	NO	1.20	1.000	26.13	1.028	96.317	96.3	0.165	
19	13C-1,2,3,7,8-PeCDD	1.54e5	0.60	NO	0.864	1.000	30.62	1.204	94.778	94.8	0.190	
20	13C-1,2,3,4,7,8-HxCDD	1.30e5	1.30	NO	0.600	1.000	33.91	1.014	94.304	94.3	0.213	
21	13C-1,2,3,6,7,8-HxCDD	1.49e5	1.35	NO	0.674	1.000	34.03	1.018	95.903	95.9	0.190	
22	13C-1,2,3,7,8,9-HxCDD	1.47e5	1.25	NO	0.679	1.000	34.33	1.027	94.523	94.5	0.188	
23	13C-1,2,3,4,6,7,8-HpCDD	1.24e5	1.07	NO	0.558	1.000	37.84	1.132	97.065	97.1	0.328	
24	13C-OCDD	2.14e5	0.88	NO	0.496	1.000	41.12	1.230	187.37	93.7	0.294	
25	13C-2,3,7,8-TCDF	3.41e5	0.76	NO	1.03	1.000	25.44	1.001	102.83	103	0.196	
26	13C-1,2,3,7,8-PeCDF	2.57e5	1.64	NO	0.805	1.000	29.44	1.158	98.802	98.8	0.309	
27	13C-2,3,4,7,8-PeCDF	2.37e5	1.61	NO	0.748	1.000	30.42	1.197	98.120	98.1	0.333	
28	13C-1,2,3,4,7,8-HxCDF	2.21e5	0.51	NO	0.968	1.000	33.01	0.987	99.332	99.3	0.276	
29	13C-1,2,3,6,7,8-HxCDF	2.47e5	0.50	NO	1.08	1.000	33.15	0.991	99.031	99.0	0.246	
30	13C-2,3,4,6,7,8-HxCDF	2.16e5	0.50	NO	0.960	1.000	33.79	1.010	97.720	97.7	0.278	
31	13C-1,2,3,7,8,9-HxCDF	1.90e5	0.51	NO	0.869	1.000	34.81	1.041	95.257	95.3	0.307	
32	13C-1,2,3,4,6,7,8-HpCDF	1.79e5	0.41	NO	0.794	1.000	36.47	1.091	98.063	98.1	0.294	

Dataset: U:\VG7.PRO\Results\210319D1\210319D1-9.qld

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Printed: Monday, March 22, 2021 17:10:37 Pacific Daylight Time

**Name: 210319D1\_9, Date: 19-Mar-2021, Time: 13:42:53, ID: SS210319D1-1 1613 SSS 20H2524, Description: 1613 SSS 20H2524, Task: ICAL210319D1\_1**

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	1.30e5	0.42	NO	0.586	1.000	38.50	1.151	96.426	96.4	0.398	
34	13C-OCDF	3.07e5	0.89	NO	0.711	1.000	41.43	1.239	188.18	94.1	0.239	
35	37Cl-2,3,7,8-TCDD	1.83e4			1.11	1.000	26.14	1.028	8.7755	87.8	0.0347	
36	13C-1,2,3,4-TCDD	1.88e5	0.82	NO	1.00	1.000	25.42	1.000	100.00	100	0.198	
37	13C-1,2,3,4-TCDF	3.23e5	0.81	NO	1.00	1.000	24.00	1.000	100.00	100	0.201	
38	13C-1,2,3,4,6,9-HxCDF	2.30e5	0.51	NO	1.00	1.000	33.44	1.000	100.00	100	0.267	

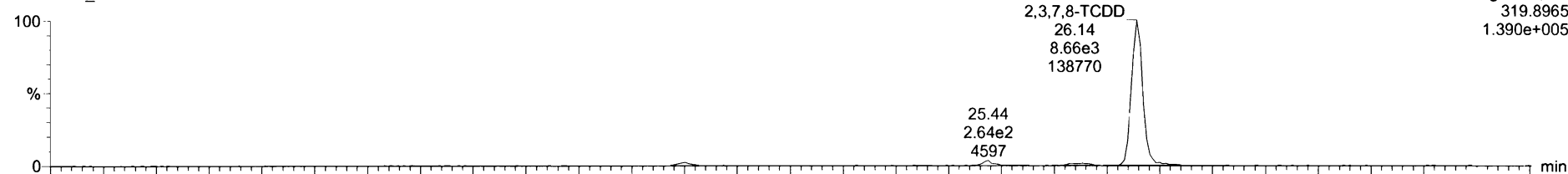
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

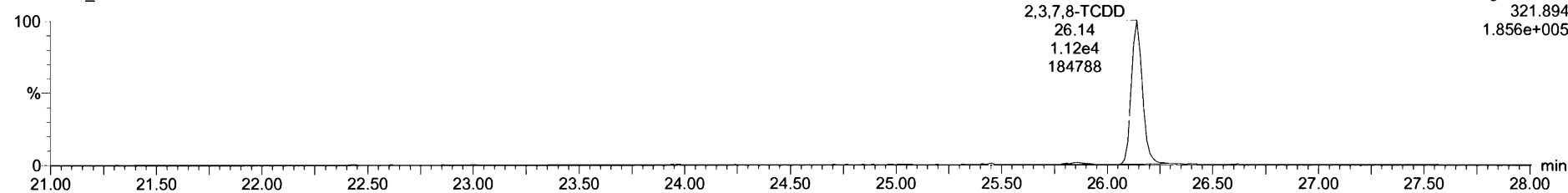
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**2,3,7,8-TCDD**

210319D1\_9

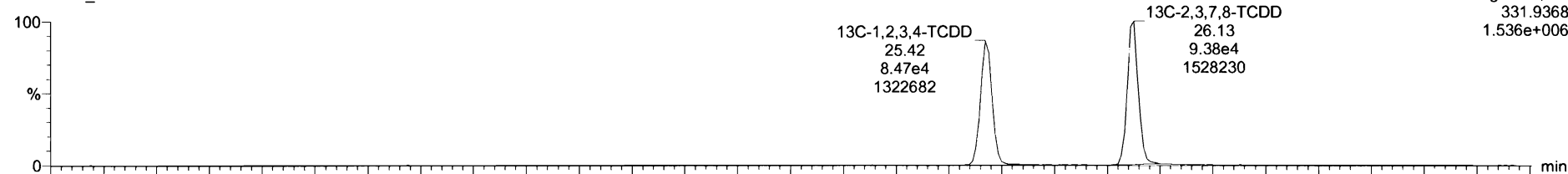


210319D1\_9

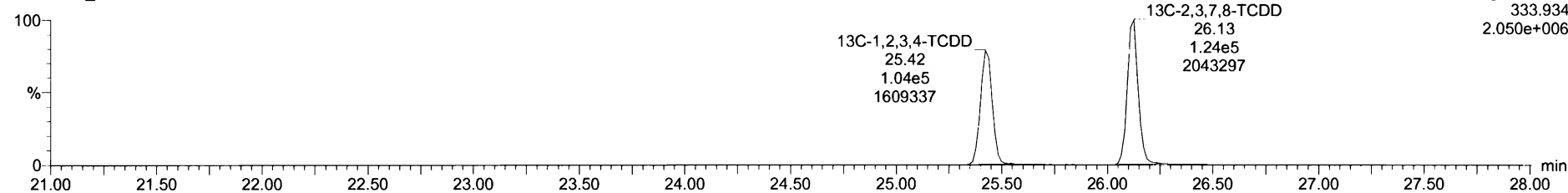


**13C-2,3,7,8-TCDD**

210319D1\_9



210319D1\_9



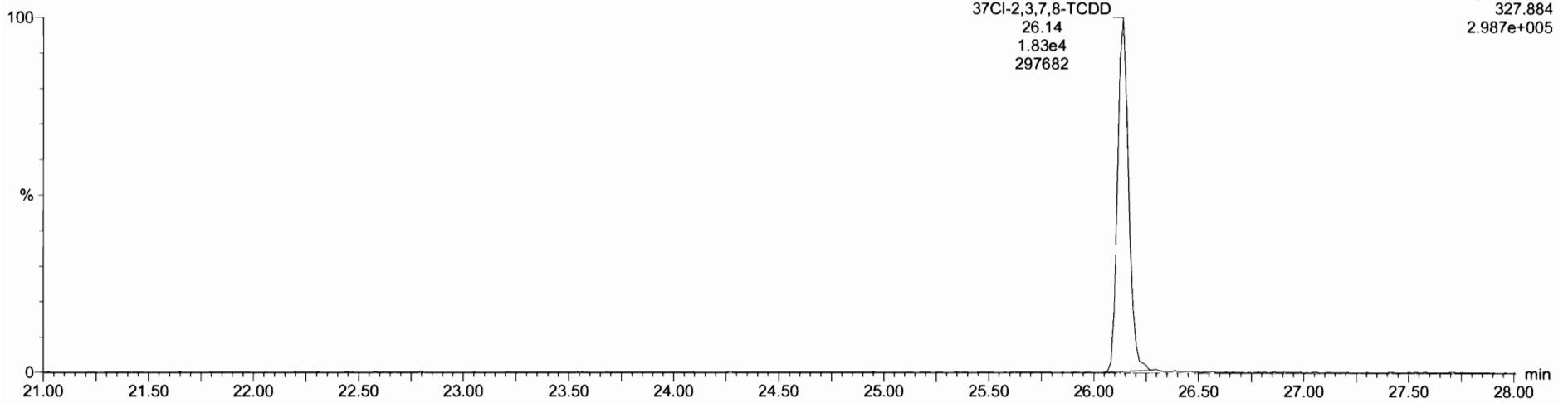
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Printed: Monday, March 22, 2021 15:07:44 Pacific Daylight Time

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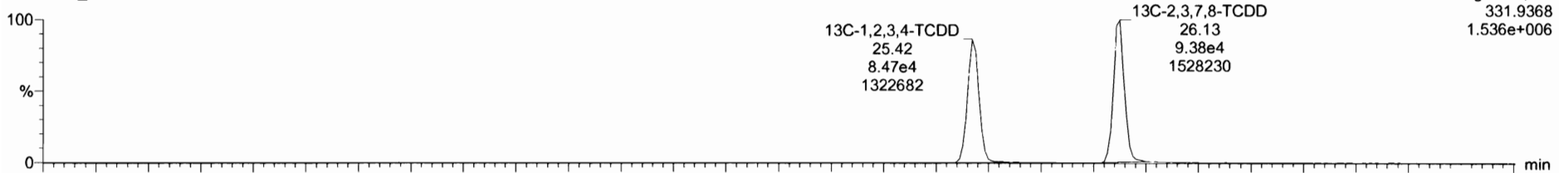
**37Cl-2,3,7,8-TCDD**

210319D1\_9

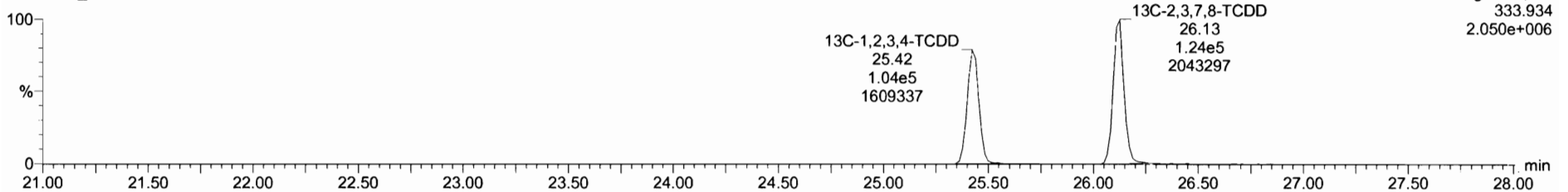


**13C-1,2,3,4-TCDD**

210319D1\_9



210319D1\_9



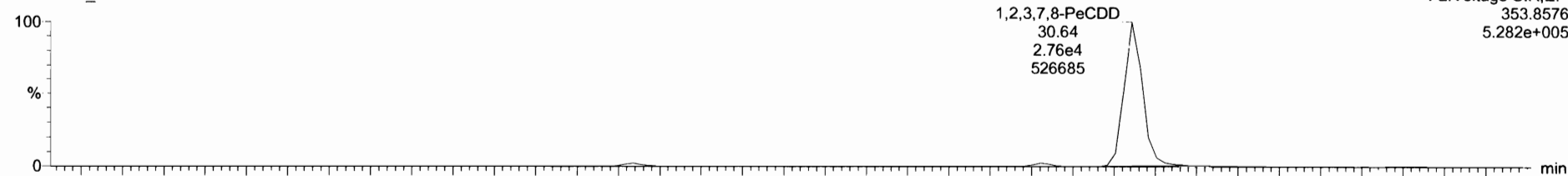
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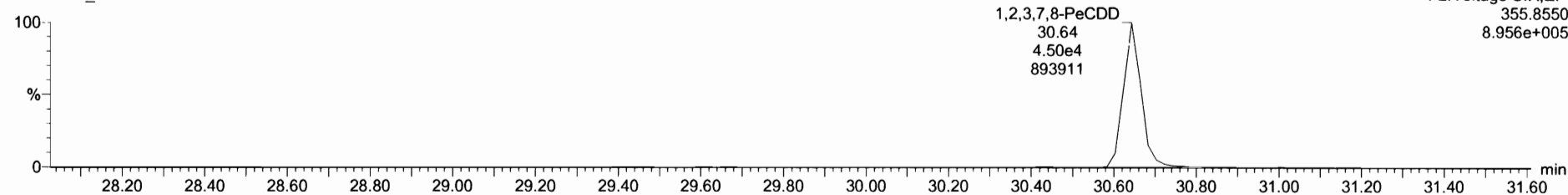
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**1,2,3,7,8-PeCDD**

210319D1\_9



210319D1\_9

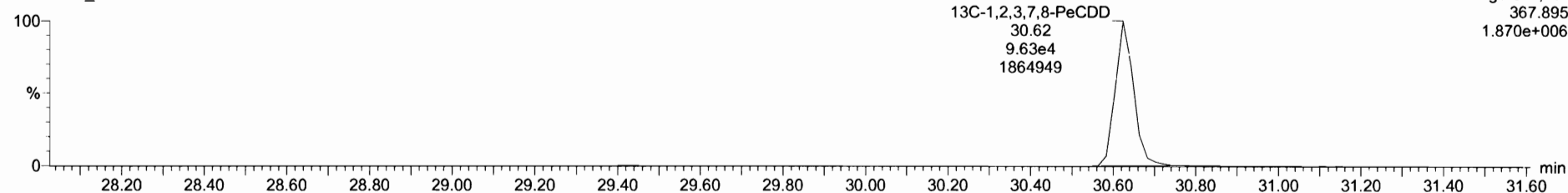


**13C-1,2,3,7,8-PeCDD**

210319D1\_9



210319D1\_9



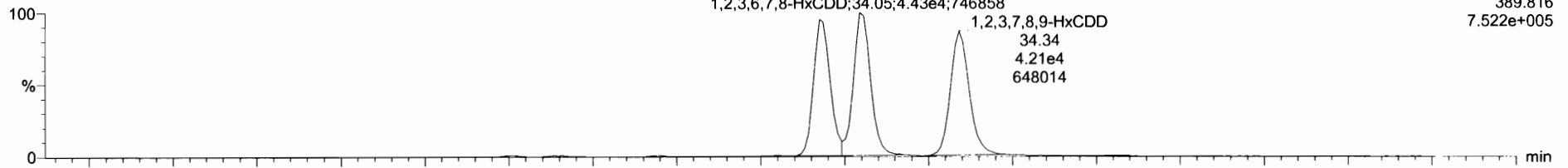
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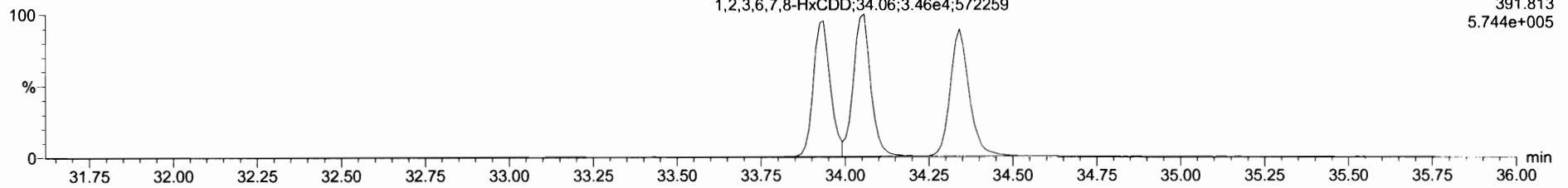
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**1,2,3,4,7,8-HxCDD**

210319D1\_9

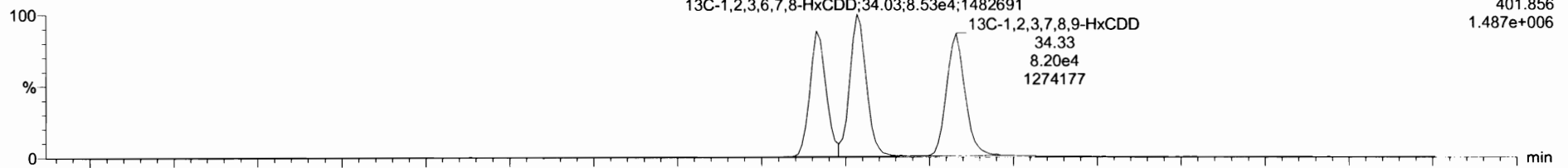


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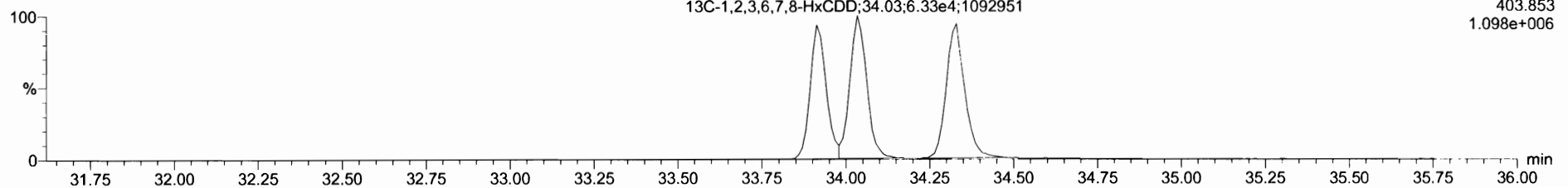


**13C-1,2,3,4,7,8-HxCDD**

210319D1\_9



210319D1\_9



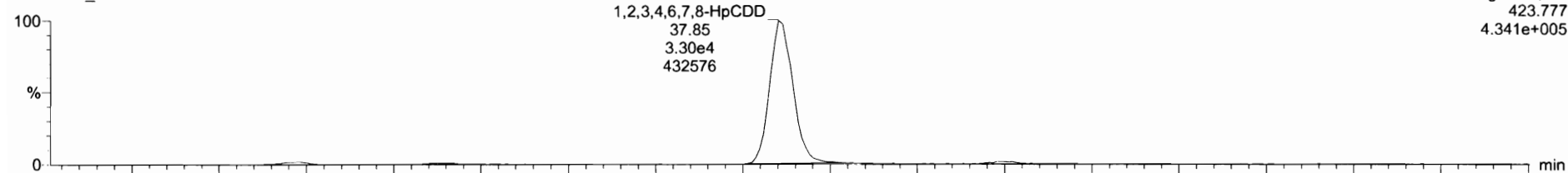
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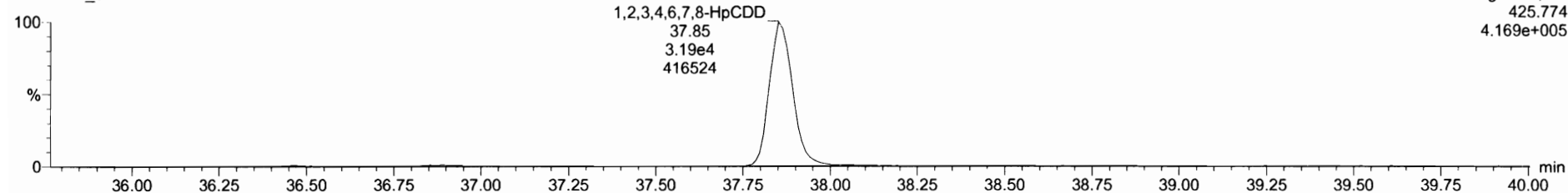
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**1,2,3,4,6,7,8-HpCDD**

210319D1\_9

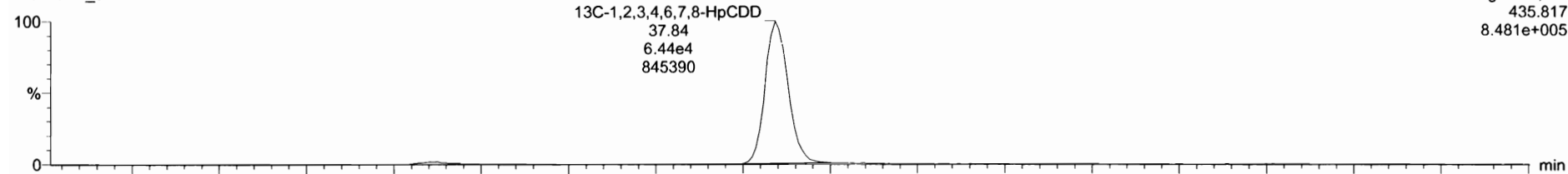


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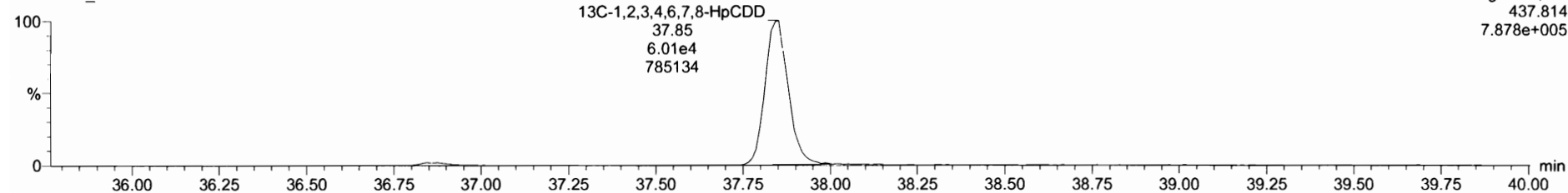


**13C-1,2,3,4,6,7,8-HpCDD**

210319D1\_9



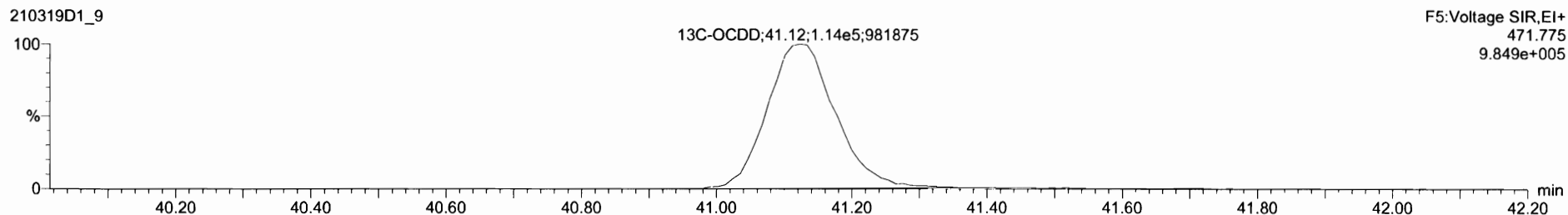
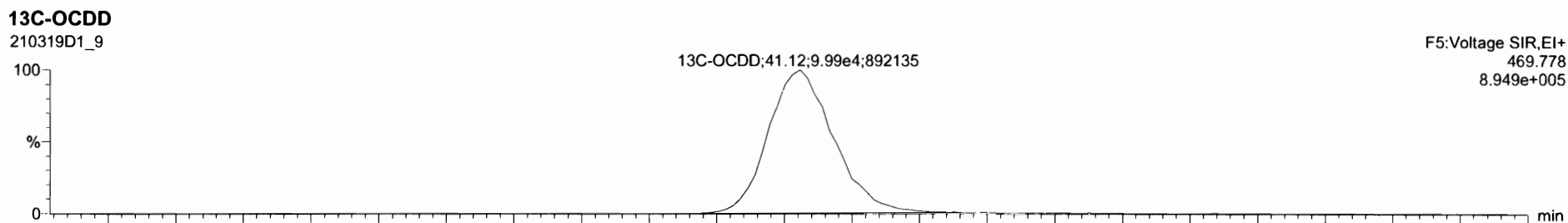
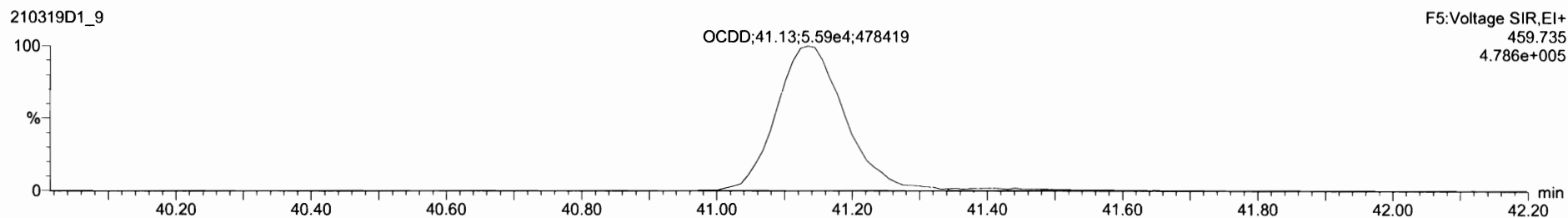
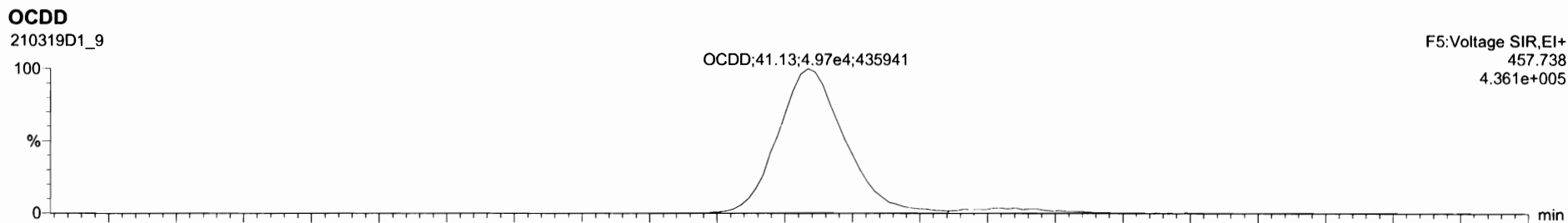
210319D1\_9



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Name: 210319D1\_9, Date: 19-Mar-2021, Time: 13:42:53, ID: SS210319D1-1 1613 SSS 20H2524, Description: 1613 SSS 20H2524





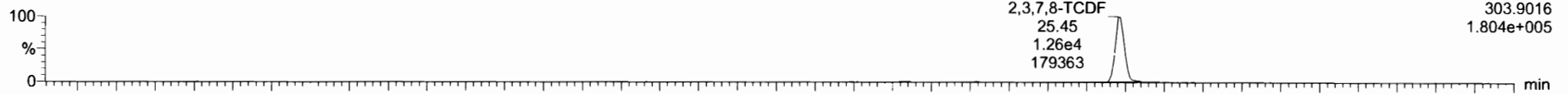
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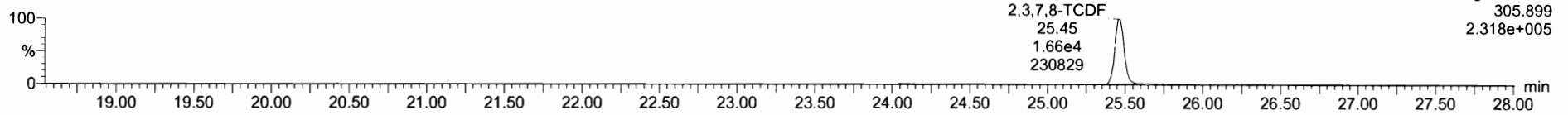
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**2,3,7,8-TCDF**

210319D1\_9

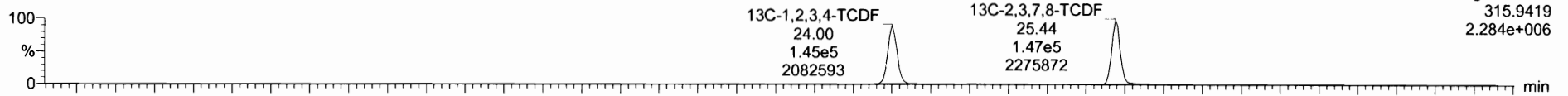


210319D1\_9

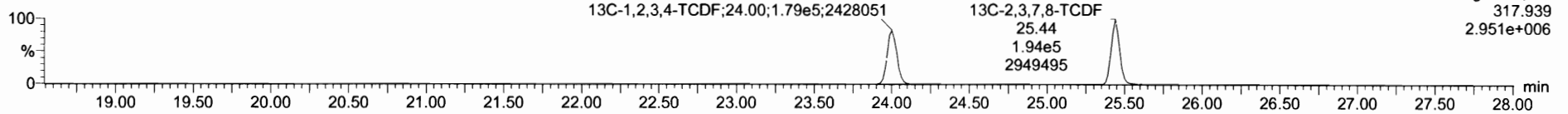


**13C-2,3,7,8-TCDF**

210319D1\_9

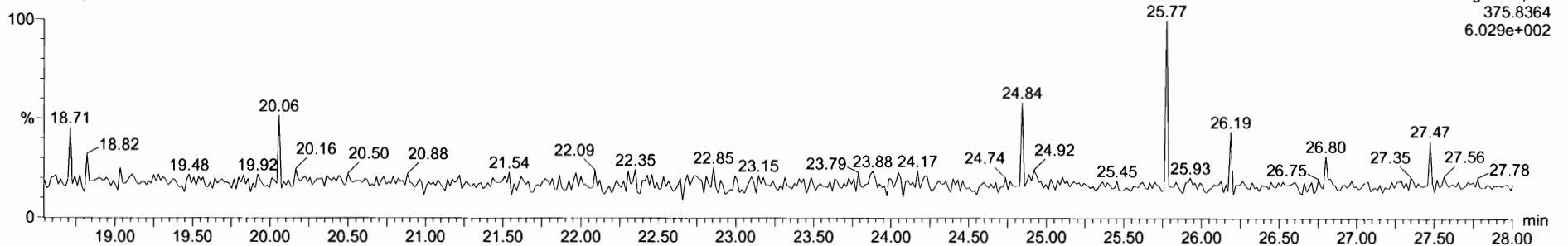


210319D1\_9



**DPE1**

210319D1\_9



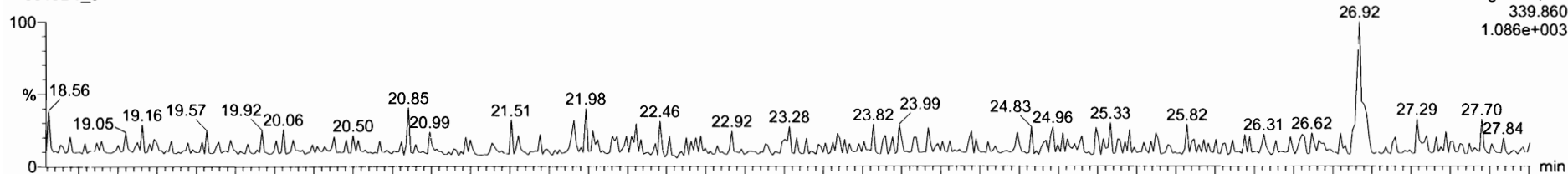
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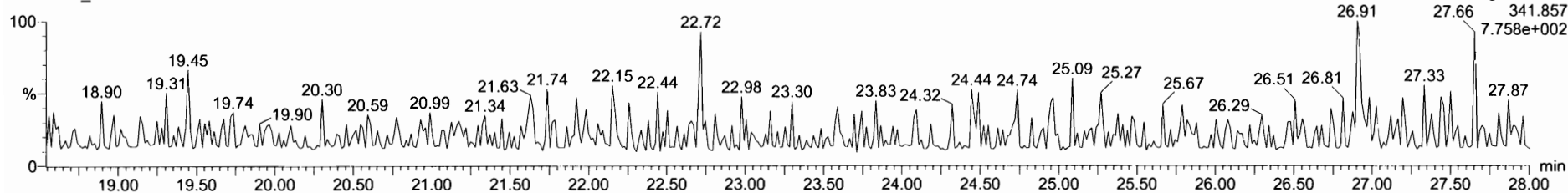
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210319D1\_9

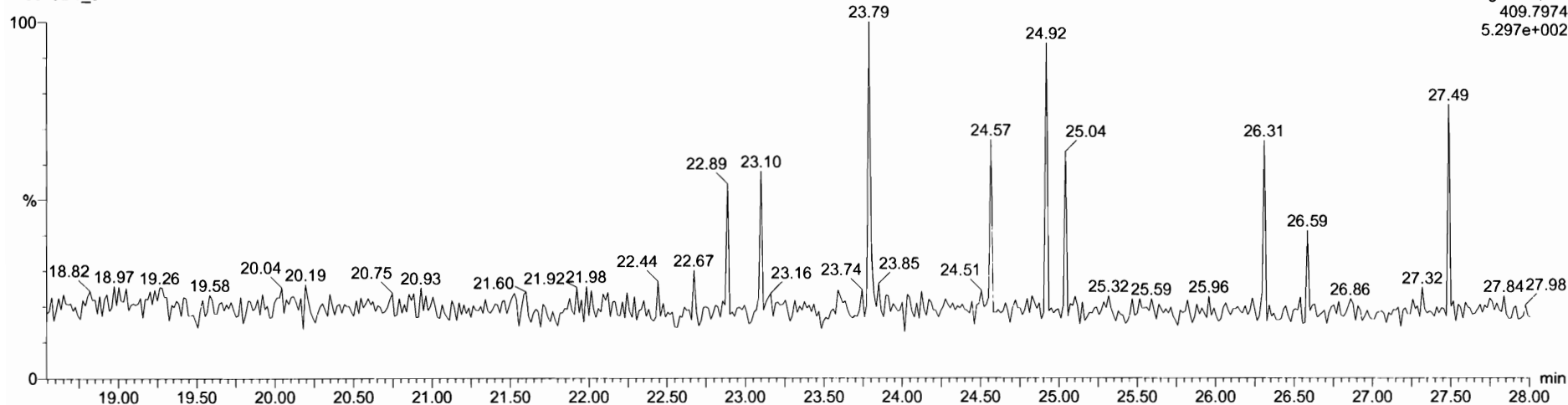


210319D1\_9



DPE6

210319D1\_9



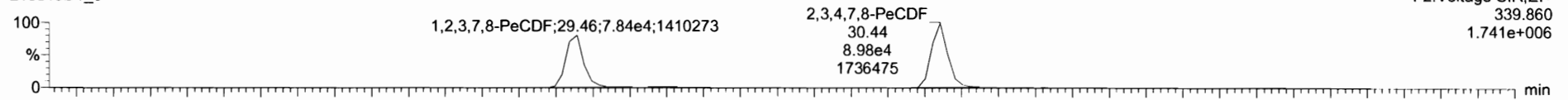
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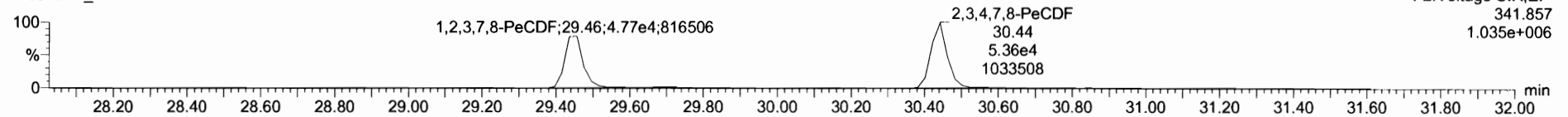
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**1,2,3,7,8-PeCDF**

210319D1\_9

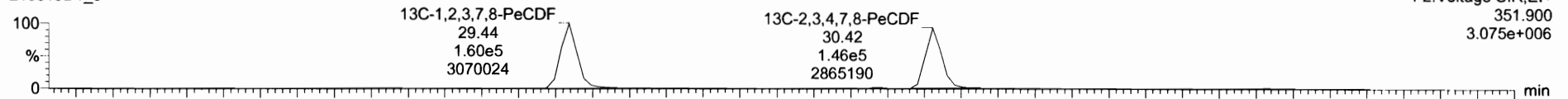


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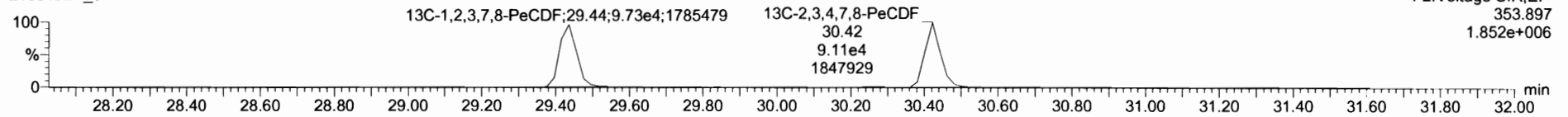


**13C-1,2,3,7,8-PeCDF**

210319D1\_9

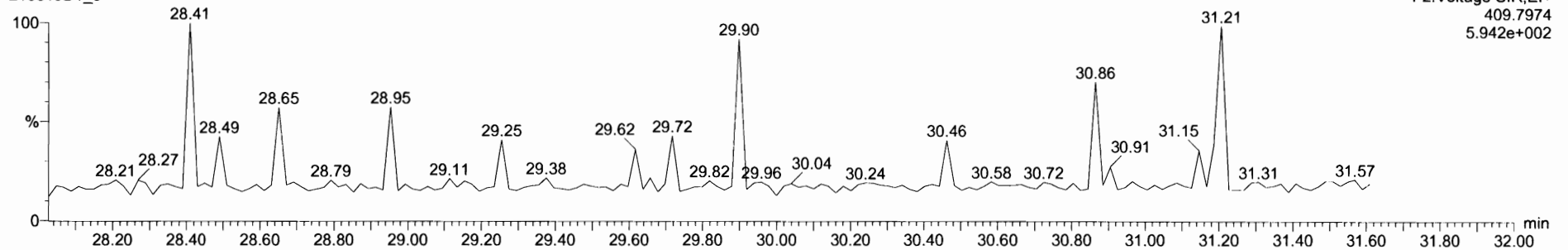


210319D1\_9



**DPE2**

210319D1\_9



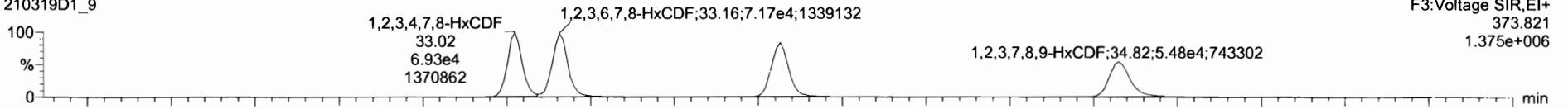
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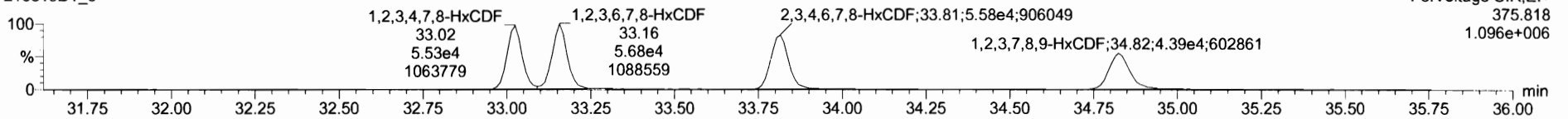
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**1,2,3,4,7,8-HxCDF**

210319D1\_9

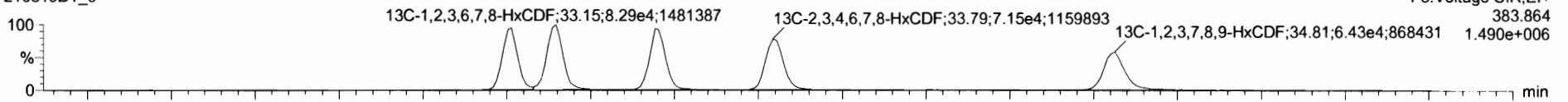


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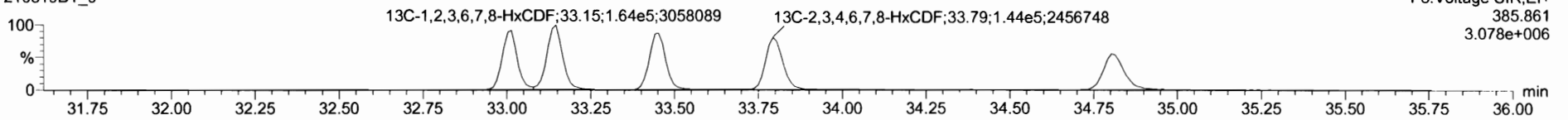


**13C-1,2,3,4,7,8-HxCDF**

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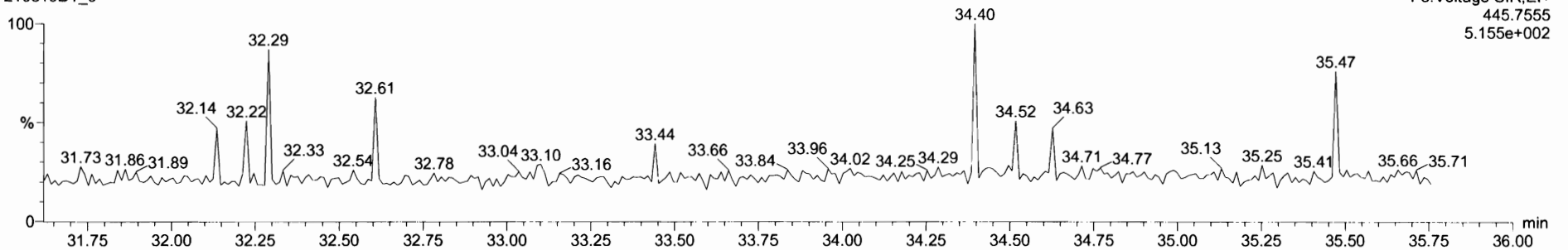


210319D1\_9



**DPE3**

210319D1\_9



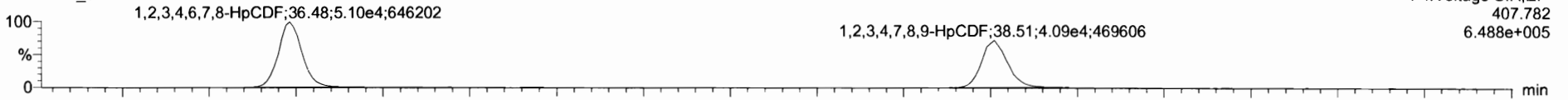
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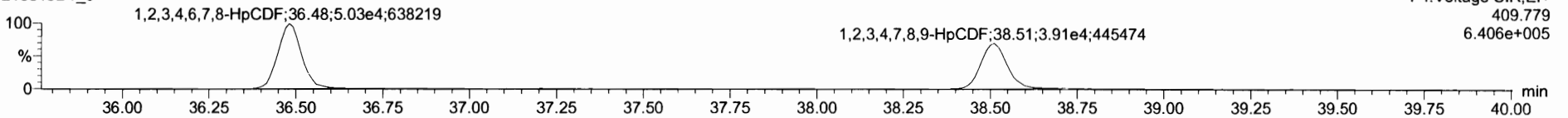
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**1,2,3,4,6,7,8-HpCDF**

210319D1\_9

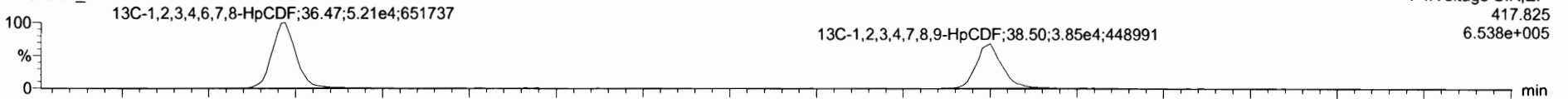


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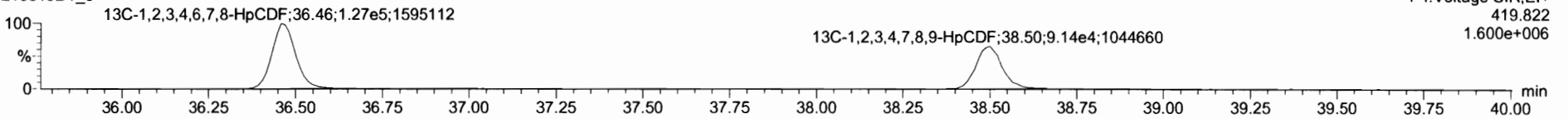


**13C-1,2,3,4,6,7,8-HpCDF**

210319D1\_9

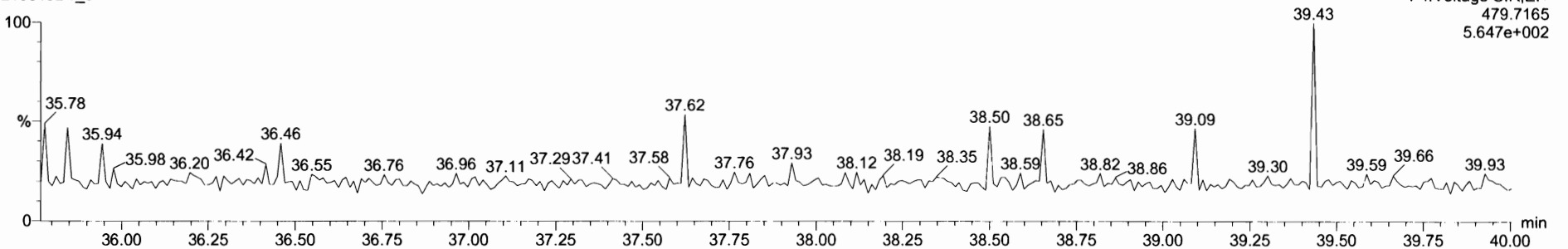


210319D1\_9



**DPE4**

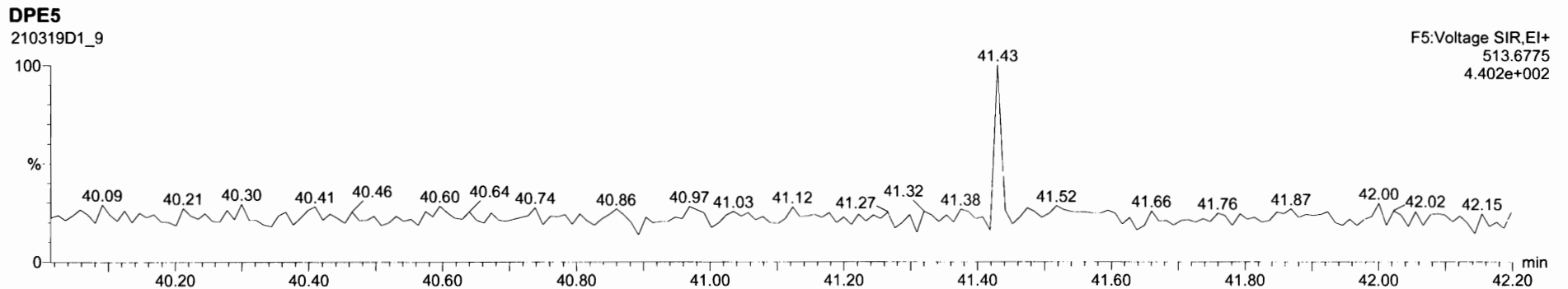
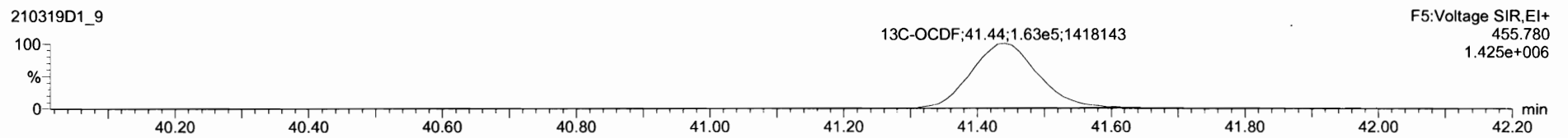
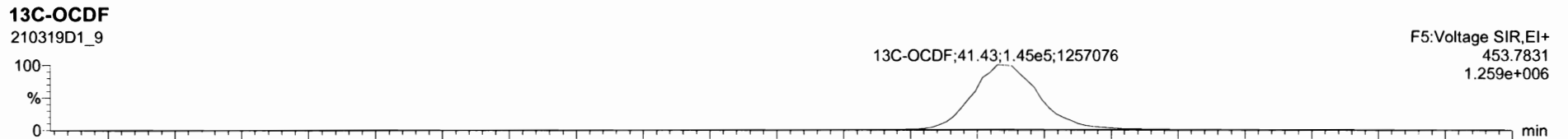
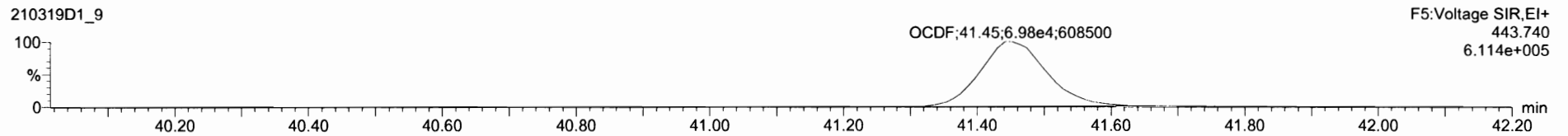
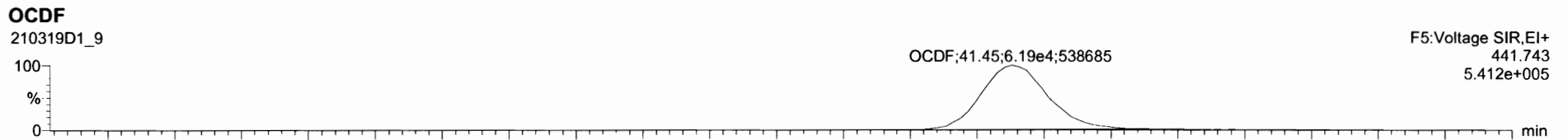
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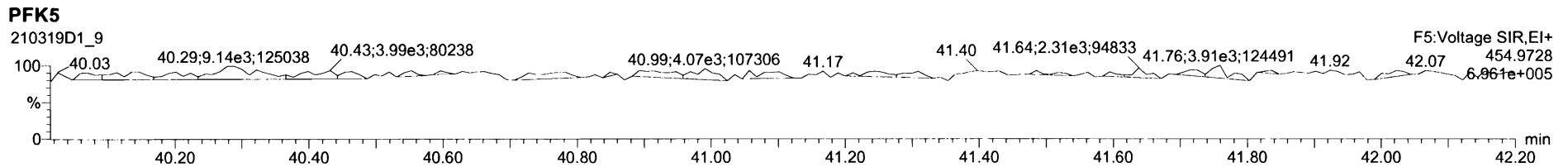
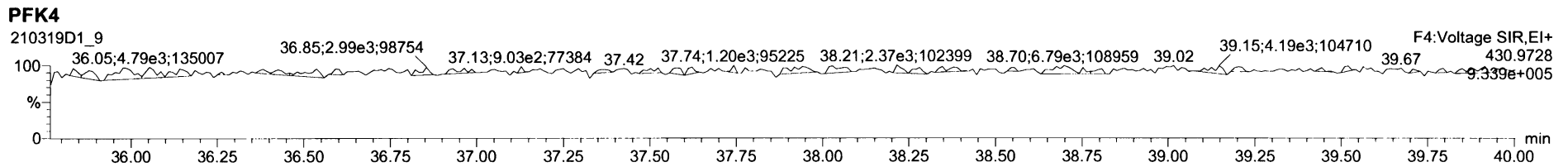
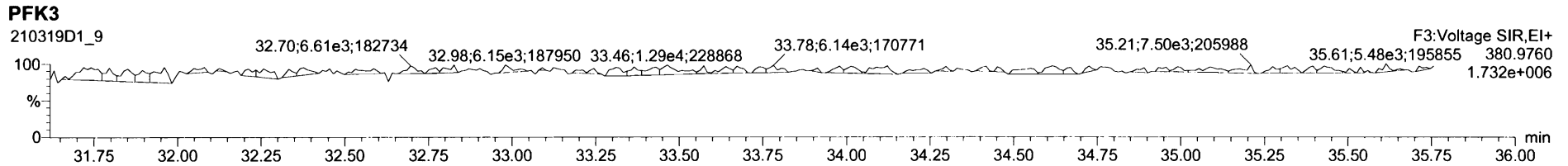
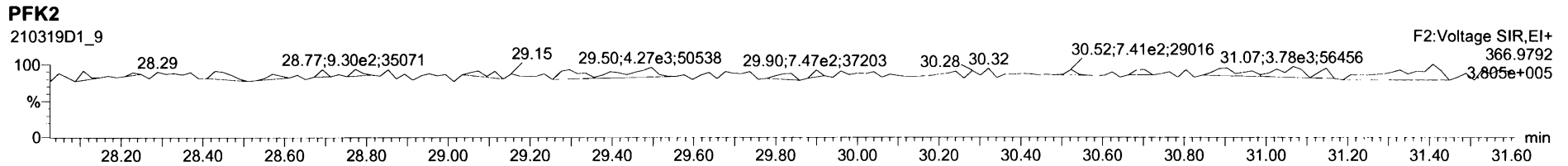
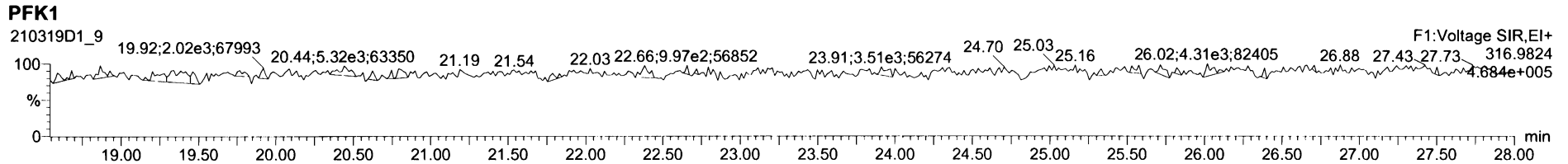
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Dataset: Untitled

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Name: 210319D1\_9, Date: 19-Mar-2021, Time: 13:42:53, ID: SS210319D1-1 1613 SSS 20H2524, Description: 1613 SSS 20H2524



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Printed: Thursday, April 15, 2021 10:31:17 Pacific Daylight Time

HN 04/15/21  
DF 04/15/21

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Compound name: 2,3,7,8-TCDD

Response Factor: 0.92906

RRF SD: 0.0829232, Relative SD: 8.9255

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	210414R1_1	0.250	0.69	NO	26.94	1.001	2.81e3	1.31e6	0.231	-7.8	0.857	MM
2	210414R1_2	0.500	0.82	NO	26.96	1.001	6.87e3	1.46e6	0.507	1.4	0.942	MM
3	210414R1_3	2.00	0.76	NO	26.94	1.001	2.40e4	1.48e6	1.75	-12.6	0.812	bb
4	210414R1_4	40.0	0.77	NO	26.93	1.001	6.51e5	1.59e6	43.9	9.8	1.02	bb
5	210414R1_5	300	0.77	NO	26.94	1.001	4.47e6	1.47e6	327	8.9	1.01	bb
6	210414R1_6	10.0	0.78	NO	26.94	1.000	1.54e5	1.66e6	10.0	0.2	0.931	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.825708

RRF SD: 0.0482142, Relative SD: 5.83913

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	210414R1_1	1.25	0.68	NO	31.27	1.001	1.03e4	1.03e6	1.22	-2.7	0.804	bb
2	210414R1_2	2.50	0.60	NO	31.27	1.000	2.37e4	1.16e6	2.48	-0.9	0.818	bb
3	210414R1_3	10.0	0.63	NO	31.27	1.000	8.36e4	1.11e6	9.09	-9.1	0.750	bb
4	210414R1_4	200	0.62	NO	31.26	1.000	2.19e6	1.24e6	215	7.4	0.887	bb
5	210414R1_5	1500	0.62	NO	31.27	1.000	1.58e7	1.22e6	1570	5.0	0.867	bb
6	210414R1_6	50.0	0.61	NO	31.27	1.000	5.16e5	1.25e6	50.1	0.3	0.828	bb



Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CRV.qld

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**Compound name: 1,2,3,4,7,8-HxCDD**

Response Factor: 0.972464

RRF SD: 0.0862714, Relative SD: 8.87143

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	210414R1_1	1.25	1.23	NO	34.61	1.001	7.39e3	6.55e5	1.16	-7.2	0.903	bd
2	210414R1_2	2.50	1.23	NO	34.62	1.000	1.65e4	7.11e5	2.38	-4.7	0.927	bd
3	210414R1_3	10.0	1.24	NO	34.62	1.001	6.42e4	7.40e5	8.92	-10.8	0.867	bd
4	210414R1_4	200	1.23	NO	34.61	1.001	1.78e6	8.23e5	223	11.4	1.08	bd
5	210414R1_5	1500	1.23	NO	34.62	1.001	1.34e7	8.49e5	1620	7.9	1.05	bd
6	210414R1_6	50.0	1.24	NO	34.62	1.000	4.13e5	8.23e5	51.7	3.3	1.00	bd

**Compound name: 1,2,3,6,7,8-HxCDD**

Response Factor: 0.877085

RRF SD: 0.0559574, Relative SD: 6.37993

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	210414R1_1	1.25	1.13	NO	34.73	1.000	8.05e3	7.49e5	1.23	-2.0	0.860	MM
2	210414R1_2	2.50	1.24	NO	34.76	1.001	1.71e4	8.03e5	2.42	-3.0	0.850	db
3	210414R1_3	10.0	1.23	NO	34.74	1.000	6.53e4	8.25e5	9.02	-9.8	0.791	db
4	210414R1_4	200	1.23	NO	34.73	1.000	1.79e6	9.47e5	216	8.0	0.947	db
5	210414R1_5	1500	1.23	NO	34.74	1.000	1.34e7	9.70e5	1580	5.2	0.923	db
6	210414R1_6	50.0	1.24	NO	34.76	1.001	4.13e5	9.27e5	50.8	1.7	0.892	db

**Compound name: 1,2,3,7,8,9-HxCDD**

Response Factor: 0.873924

RRF SD: 0.0774391, Relative SD: 8.86108

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	210414R1_1	1.25	1.22	NO	35.03	1.000	7.66e3	7.49e5	1.17	-6.5	0.818	MM
2	210414R1_2	2.50	1.29	NO	35.04	1.000	1.84e4	8.90e5	2.37	-5.3	0.828	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	210414R1_3	10.0	1.28	NO	35.04	1.000	6.56e4	8.45e5	8.89	-11.1	0.777	bb
4	210414R1_4	200	1.23	NO	35.03	1.001	1.84e6	9.50e5	222	11.1	0.971	bb
5	210414R1_5	1500	1.21	NO	35.04	1.001	1.39e7	9.79e5	1620	8.0	0.943	bb
6	210414R1_6	50.0	1.24	NO	35.05	1.001	4.26e5	9.39e5	51.9	3.8	0.907	bb

**Compound name: 1,2,3,4,6,7,8-HpCDD**

Response Factor: 0.898742

RRF SD: 0.0677039, Relative SD: 7.53319

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	210414R1_1	1.25	1.02	NO	38.31	1.001	6.55e3	6.08e5	1.20	-4.2	0.861	MM
2	210414R1_2	2.50	1.02	NO	38.32	1.001	1.72e4	7.70e5	2.48	-0.8	0.891	bb
3	210414R1_3	10.0	1.00	NO	38.31	1.000	4.86e4	6.13e5	8.82	-11.8	0.793	bb
4	210414R1_4	200	1.02	NO	38.29	1.000	1.34e6	6.81e5	218	9.2	0.981	bb
5	210414R1_5	1500	1.02	NO	38.31	1.000	1.03e7	7.20e5	1600	6.5	0.957	bb
6	210414R1_6	50.0	1.02	NO	38.31	1.000	3.16e5	6.96e5	50.6	1.1	0.909	bb

**Compound name: OCDD**

Response Factor: 0.852404

RRF SD: 0.0637924, Relative SD: 7.48382

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	210414R1_1	2.50	0.86	NO	41.31	1.000	1.11e4	1.09e6	2.38	-4.9	0.811	bb
2	210414R1_2	5.00	0.88	NO	41.33	1.000	2.60e4	1.27e6	4.79	-4.2	0.816	bb
3	210414R1_3	20.0	0.88	NO	41.33	1.000	7.75e4	1.01e6	18.0	-10.0	0.767	MM
4	210414R1_4	400	0.88	NO	41.31	1.000	2.13e6	1.15e6	436	9.1	0.930	bb
5	210414R1_5	3000	0.88	NO	41.32	1.000	1.66e7	1.21e6	3200	6.7	0.909	bb
6	210414R1_6	100	0.88	NO	41.33	1.000	5.13e5	1.16e6	103	3.4	0.881	bb

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**Compound name: 2,3,7,8-TCDF**

Response Factor: 0.746581  
 RRF SD: 0.0693432, Relative SD: 9.2881  
 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	210414R1_1	0.250	0.79	NO	26.35	1.001	3.87e3	2.17e6	0.239	-4.3	0.715	MM
2	210414R1_2	0.500	0.71	NO	26.35	1.001	7.34e3	2.13e6	0.461	-7.9	0.688	MM
3	210414R1_3	2.00	0.79	NO	26.35	1.001	2.64e4	2.00e6	1.77	-11.5	0.661	bb
4	210414R1_4	40.0	0.75	NO	26.34	1.001	7.03e5	2.14e6	44.0	10.0	0.821	bb
5	210414R1_5	300	0.76	NO	26.34	1.001	4.78e6	1.93e6	331	10.4	0.824	bb
6	210414R1_6	10.0	0.74	NO	26.34	1.001	1.75e5	2.27e6	10.3	3.2	0.771	db

**Compound name: 1,2,3,7,8-PeCDF**

Response Factor: 0.877118  
 RRF SD: 0.0717768, Relative SD: 8.18326  
 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	210414R1_1	1.25	1.52	NO	30.10	1.000	1.34e4	1.36e6	1.13	-9.9	0.790	bb
2	210414R1_2	2.50	1.55	NO	30.11	1.000	3.37e4	1.58e6	2.44	-2.6	0.855	MM
3	210414R1_3	10.0	1.62	NO	30.11	1.000	1.20e5	1.49e6	9.20	-8.0	0.807	bb
4	210414R1_4	200	1.54	NO	30.10	1.000	3.16e6	1.64e6	220	10.2	0.967	bb
5	210414R1_5	1500	1.56	NO	30.10	1.000	2.26e7	1.60e6	1610	7.2	0.940	bb
6	210414R1_6	50.0	1.56	NO	30.11	1.000	7.73e5	1.71e6	51.5	3.0	0.904	bb

**Compound name: 2,3,4,7,8-PeCDF**

Response Factor: 0.962056  
 RRF SD: 0.0674767, Relative SD: 7.0138  
 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	210414R1_1	1.25	1.48	NO	31.09	1.000	1.69e4	1.46e6	1.20	-3.8	0.926	MM
2	210414R1_2	2.50	1.58	NO	31.11	1.000	3.69e4	1.61e6	2.38	-4.7	0.917	bd

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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	210414R1_3	10.0	1.52	NO	31.11	1.000	1.29e5	1.48e6	9.10	-9.0	0.876	bb
4	210414R1_4	200	1.55	NO	31.09	1.000	3.30e6	1.58e6	218	8.8	1.05	bb
5	210414R1_5	1500	1.54	NO	31.09	1.000	2.35e7	1.52e6	1600	6.9	1.03	bb
6	210414R1_6	50.0	1.54	NO	31.11	1.000	8.04e5	1.64e6	50.8	1.7	0.978	bb

**Compound name: 1,2,3,4,7,8-HxCDF**

Response Factor: 0.92023

RRF SD: 0.0757729, Relative SD: 8.23412

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	210414R1_1	1.25	1.17	NO	33.67	1.000	1.13e4	1.06e6	1.16	-7.6	0.850	bd
2	210414R1_2	2.50	1.18	NO	33.69	1.001	2.33e4	1.06e6	2.38	-4.7	0.877	bd
3	210414R1_3	10.0	1.23	NO	33.69	1.001	7.99e4	9.58e5	9.06	-9.4	0.834	bd
4	210414R1_4	200	1.22	NO	33.67	1.000	2.12e6	1.05e6	219	9.6	1.01	bd
5	210414R1_5	1500	1.22	NO	33.68	1.000	1.52e7	1.02e6	1620	7.8	0.992	bd
6	210414R1_6	50.0	1.22	NO	33.69	1.000	5.12e5	1.07e6	52.2	4.3	0.960	bd

**Compound name: 1,2,3,6,7,8-HxCDF**

Response Factor: 0.936295

RRF SD: 0.0726577, Relative SD: 7.76013

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	210414R1_1	1.25	1.25	NO	33.81	1.001	1.19e4	1.11e6	1.15	-8.2	0.859	db
2	210414R1_2	2.50	1.21	NO	33.82	1.000	2.49e4	1.10e6	2.41	-3.5	0.904	db
3	210414R1_3	10.0	1.22	NO	33.82	1.000	8.72e4	1.01e6	9.21	-7.9	0.862	db
4	210414R1_4	200	1.22	NO	33.81	1.000	2.31e6	1.12e6	220	10.2	1.03	db
5	210414R1_5	1500	1.21	NO	33.82	1.000	1.70e7	1.13e6	1610	7.1	1.00	db
6	210414R1_6	50.0	1.21	NO	33.83	1.001	5.45e5	1.14e6	51.2	2.3	0.958	db

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**Compound name: 2,3,4,6,7,8-HxCDF**

Response Factor: 0.972549  
 RRF SD: 0.0818215, Relative SD: 8.4131  
 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	210414R1_1	1.25	1.22	NO	34.50	1.001	9.59e3	8.62e5	1.14	-8.5	0.890	MM
2	210414R1_2	2.50	1.25	NO	34.52	1.001	2.14e4	9.20e5	2.39	-4.5	0.928	bb
3	210414R1_3	10.0	1.23	NO	34.51	1.000	7.85e4	8.85e5	9.11	-8.9	0.886	bb
4	210414R1_4	200	1.21	NO	34.50	1.000	2.09e6	9.78e5	219	9.7	1.07	bb
5	210414R1_5	1500	1.21	NO	34.51	1.000	1.54e7	9.70e5	1630	8.6	1.06	bb
6	210414R1_6	50.0	1.22	NO	34.52	1.001	4.98e5	9.88e5	51.8	3.7	1.01	bb

**Compound name: 1,2,3,7,8,9-HxCDF**

Response Factor: 0.939556  
 RRF SD: 0.0783771, Relative SD: 8.34193  
 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	210414R1_1	1.25	1.15	NO	35.59	1.000	9.36e3	8.35e5	1.19	-4.6	0.896	MM
2	210414R1_2	2.50	1.16	NO	35.61	1.001	1.85e4	8.23e5	2.39	-4.3	0.899	bb
3	210414R1_3	10.0	1.23	NO	35.60	1.000	6.47e4	7.82e5	8.81	-11.9	0.828	bb
4	210414R1_4	200	1.22	NO	35.59	1.000	1.79e6	8.67e5	220	9.9	1.03	bb
5	210414R1_5	1500	1.23	NO	35.60	1.000	1.35e7	8.86e5	1620	7.7	1.01	bb
6	210414R1_6	50.0	1.24	NO	35.61	1.001	4.40e5	9.08e5	51.6	3.2	0.969	bb

**Compound name: 1,2,3,4,6,7,8-HpCDF**

Response Factor: 1.04807  
 RRF SD: 0.0873368, Relative SD: 8.33314  
 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	210414R1_1	1.25	1.02	NO	37.17	1.000	7.31e3	6.01e5	1.16	-7.1	0.973	MM
2	210414R1_2	2.50	1.03	NO	37.18	1.000	1.79e4	7.19e5	2.37	-5.1	0.995	MM



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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	210414R1_3	10.0	1.04	NO	37.18	1.001	6.00e4	6.30e5	9.09	-9.1	0.953	bb
4	210414R1_4	200	1.01	NO	37.17	1.001	1.61e6	6.93e5	222	10.9	1.16	bb
5	210414R1_5	1500	1.02	NO	37.18	1.001	1.21e7	7.15e5	1620	8.0	1.13	bb
6	210414R1_6	50.0	1.01	NO	37.18	1.000	3.83e5	7.13e5	51.2	2.4	1.07	bb

**Compound name: 1,2,3,4,7,8,9-HpCDF**

Response Factor: 1.04534

RRF SD: 0.0878605, Relative SD: 8.40498

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	210414R1_1	1.25	0.92	NO	38.95	1.000	6.49e3	5.32e5	1.17	-6.6	0.976	bb
2	210414R1_2	2.50	1.01	NO	38.98	1.000	1.62e4	6.67e5	2.32	-7.0	0.972	bb
3	210414R1_3	10.0	0.98	NO	38.98	1.001	4.93e4	5.16e5	9.15	-8.5	0.956	bb
4	210414R1_4	200	1.01	NO	38.97	1.000	1.34e6	5.80e5	222	10.8	1.16	bb
5	210414R1_5	1500	1.01	NO	38.98	1.001	1.01e7	6.02e5	1610	7.4	1.12	bb
6	210414R1_6	50.0	1.01	NO	38.98	1.000	3.18e5	5.85e5	52.0	3.9	1.09	bb

**Compound name: OCDF**

Response Factor: 0.771237

RRF SD: 0.061207, Relative SD: 7.93621

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	210414R1_1	2.50	0.89	NO	41.65	1.000	1.23e4	1.36e6	2.34	-6.2	0.723	MM
2	210414R1_2	5.00	0.88	NO	41.67	1.000	2.75e4	1.47e6	4.85	-3.0	0.748	bb
3	210414R1_3	20.0	0.88	NO	41.67	1.000	8.08e4	1.17e6	17.9	-10.7	0.689	bb
4	210414R1_4	400	0.89	NO	41.65	1.000	2.29e6	1.36e6	438	9.6	0.845	bb
5	210414R1_5	3000	0.89	NO	41.66	1.000	1.76e7	1.42e6	3210	7.0	0.826	bb
6	210414R1_6	100	0.89	NO	41.67	1.000	5.44e5	1.37e6	103	3.3	0.796	bb

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CRV.qld

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**Compound name: 13C-2,3,7,8-TCDD**

Response Factor: 1.10397

RRF SD: 0.0930337, Relative SD: 8.42721

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	210414R1_1	100	0.78	NO	26.91	1.026	1.31e6	1.37e6	86.6	-13.4	0.956	bb
2	210414R1_2	100	0.77	NO	26.93	1.026	1.46e6	1.38e6	95.7	-4.3	1.06	bb
3	210414R1_3	100	0.78	NO	26.93	1.026	1.48e6	1.33e6	101	1.1	1.12	bb
4	210414R1_4	100	0.77	NO	26.91	1.026	1.59e6	1.40e6	103	3.2	1.14	bb
5	210414R1_5	100	0.77	NO	26.91	1.026	1.47e6	1.19e6	112	12.0	1.24	bb
6	210414R1_6	100	0.77	NO	26.93	1.026	1.66e6	1.48e6	101	1.4	1.12	bb

**Compound name: 13C-1,2,3,7,8-PeCDD**

Response Factor: 0.863511

RRF SD: 0.0902578, Relative SD: 10.4524

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	210414R1_1	100	0.64	NO	31.24	1.191	1.03e6	1.37e6	86.8	-13.2	0.749	bb
2	210414R1_2	100	0.63	NO	31.26	1.191	1.16e6	1.38e6	97.3	-2.7	0.840	bb
3	210414R1_3	100	0.62	NO	31.26	1.191	1.11e6	1.33e6	97.3	-2.7	0.840	bb
4	210414R1_4	100	0.63	NO	31.24	1.192	1.24e6	1.40e6	102	2.4	0.884	bb
5	210414R1_5	100	0.63	NO	31.26	1.192	1.22e6	1.19e6	119	18.6	1.02	bb
6	210414R1_6	100	0.62	NO	31.26	1.191	1.25e6	1.48e6	97.6	-2.4	0.843	bb

**Compound name: 13C-1,2,3,4,7,8-HxCDD**

Response Factor: 0.746138

RRF SD: 0.0651061, Relative SD: 8.72575

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	210414R1_1	100	1.28	NO	34.59	1.013	6.55e5	9.77e5	89.8	-10.2	0.670	bd
2	210414R1_2	100	1.28	NO	34.61	1.014	7.11e5	1.01e6	94.8	-5.2	0.707	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	210414R1_3	100	1.27	NO	34.60	1.013	7.40e5	1.01e6	98.4	-1.6	0.734	bd
4	210414R1_4	100	1.27	NO	34.59	1.013	8.23e5	1.08e6	102	1.7	0.759	bd
5	210414R1_5	100	1.27	NO	34.60	1.013	8.49e5	9.84e5	116	15.6	0.863	bd
6	210414R1_6	100	1.27	NO	34.61	1.014	8.23e5	1.11e6	99.7	-0.3	0.744	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDD**

Response Factor: 0.846795  
 RRF SD: 0.0772663, Relative SD: 9.12455  
 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	210414R1_1	100	1.29	NO	34.72	1.018	7.49e5	9.77e5	90.5	-9.5	0.766	db
2	210414R1_2	100	1.26	NO	34.73	1.018	8.03e5	1.01e6	94.3	-5.7	0.799	db
3	210414R1_3	100	1.26	NO	34.73	1.018	8.25e5	1.01e6	96.6	-3.4	0.818	db
4	210414R1_4	100	1.25	NO	34.72	1.018	9.47e5	1.08e6	103	3.1	0.873	db
5	210414R1_5	100	1.26	NO	34.73	1.018	9.70e5	9.84e5	116	16.5	0.986	db
6	210414R1_6	100	1.25	NO	34.73	1.018	9.27e5	1.11e6	99.0	-1.0	0.839	db

**Compound name: 13C-1,2,3,7,8,9-HxCDD**

Response Factor: 0.868278  
 RRF SD: 0.0751126, Relative SD: 8.65075  
 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	210414R1_1	100	1.26	NO	35.02	1.026	7.49e5	9.77e5	88.3	-11.7	0.767	MM
2	210414R1_2	100	1.26	NO	35.03	1.026	8.90e5	1.01e6	102	2.0	0.886	bb
3	210414R1_3	100	1.27	NO	35.03	1.026	8.45e5	1.01e6	96.4	-3.6	0.837	bb
4	210414R1_4	100	1.25	NO	35.01	1.026	9.50e5	1.08e6	101	0.8	0.876	bb
5	210414R1_5	100	1.24	NO	35.02	1.026	9.79e5	9.84e5	115	14.6	0.995	bb
6	210414R1_6	100	1.25	NO	35.03	1.026	9.39e5	1.11e6	97.8	-2.2	0.849	bb



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

Response Factor: 0.664147

RRF SD: 0.0670773, Relative SD: 10.0998

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	210414R1_1	100	1.04	NO	38.28	1.122	6.08e5	9.77e5	93.7	-6.3	0.622	MM
2	210414R1_2	100	1.05	NO	38.29	1.122	7.70e5	1.01e6	115	15.4	0.766	bb
3	210414R1_3	100	1.06	NO	38.29	1.122	6.13e5	1.01e6	91.5	-8.5	0.608	bb
4	210414R1_4	100	1.05	NO	38.28	1.122	6.81e5	1.08e6	94.5	-5.5	0.628	bb
5	210414R1_5	100	1.04	NO	38.29	1.122	7.20e5	9.84e5	110	10.2	0.732	bb
6	210414R1_6	100	1.04	NO	38.29	1.122	6.96e5	1.11e6	94.7	-5.3	0.629	bb

**Compound name: 13C-OCDD**

Response Factor: 0.560713

RRF SD: 0.0533804, Relative SD: 9.52008

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	210414R1_1	200	0.92	NO	41.30	1.210	1.09e6	9.77e5	199	-0.5	0.558	MM
2	210414R1_2	200	0.89	NO	41.32	1.211	1.27e6	1.01e6	226	12.9	0.633	bb
3	210414R1_3	200	0.89	NO	41.31	1.210	1.01e6	1.01e6	179	-10.7	0.501	bb
4	210414R1_4	200	0.88	NO	41.30	1.210	1.15e6	1.08e6	189	-5.7	0.529	bb
5	210414R1_5	200	0.88	NO	41.31	1.210	1.21e6	9.84e5	220	10.1	0.617	bb
6	210414R1_6	200	0.89	NO	41.31	1.210	1.16e6	1.11e6	188	-6.1	0.527	bb

**Compound name: 13C-2,3,7,8-TCDF**

Response Factor: 1.09311

RRF SD: 0.0632342, Relative SD: 5.78481

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	210414R1_1	100	0.77	NO	26.32	1.003	2.17e6	1.78e6	111	11.3	1.22	bb
2	210414R1_2	100	0.77	NO	26.34	1.004	2.13e6	2.00e6	97.6	-2.4	1.07	bb

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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	210414R1_3	100	0.77	NO	26.32	1.003	2.00e6	1.90e6	96.1	-3.9	1.05	bb
4	210414R1_4	100	0.76	NO	26.31	1.003	2.14e6	2.03e6	96.5	-3.5	1.06	bb
5	210414R1_5	100	0.78	NO	26.32	1.004	1.93e6	1.76e6	101	0.7	1.10	bb
6	210414R1_6	100	0.77	NO	26.32	1.003	2.27e6	2.12e6	97.8	-2.2	1.07	bb

**Compound name: 13C-1,2,3,7,8-PeCDF**

Response Factor: 0.809493

RRF SD: 0.0523734, Relative SD: 6.4699

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	210414R1_1	100	1.57	NO	30.08	1.147	1.36e6	1.78e6	94.2	-5.8	0.763	bb
2	210414R1_2	100	1.59	NO	30.10	1.147	1.58e6	2.00e6	97.4	-2.6	0.788	bb
3	210414R1_3	100	1.55	NO	30.10	1.147	1.49e6	1.90e6	96.6	-3.4	0.782	bb
4	210414R1_4	100	1.55	NO	30.08	1.147	1.64e6	2.03e6	99.7	-0.3	0.807	bb
5	210414R1_5	100	1.58	NO	30.10	1.148	1.60e6	1.76e6	113	12.5	0.911	bb
6	210414R1_6	100	1.56	NO	30.10	1.147	1.71e6	2.12e6	99.6	-0.4	0.806	bb

**Compound name: 13C-2,3,4,7,8-PeCDF**

Response Factor: 0.803072

RRF SD: 0.0359789, Relative SD: 4.48016

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	210414R1_1	100	1.59	NO	31.08	1.185	1.46e6	1.78e6	102	2.0	0.819	bb
2	210414R1_2	100	1.59	NO	31.09	1.185	1.61e6	2.00e6	100	0.2	0.804	bb
3	210414R1_3	100	1.55	NO	31.09	1.185	1.48e6	1.90e6	96.6	-3.4	0.776	bb
4	210414R1_4	100	1.58	NO	31.08	1.185	1.58e6	2.03e6	96.9	-3.1	0.778	bb
5	210414R1_5	100	1.57	NO	31.08	1.185	1.52e6	1.76e6	108	7.9	0.867	bb
6	210414R1_6	100	1.55	NO	31.09	1.185	1.64e6	2.12e6	96.5	-3.5	0.775	bb

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

Response Factor: 1.01114

RRF SD: 0.0571822, Relative SD: 5.65524

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	210414R1_1	100	0.51	NO	33.65	0.986	1.06e6	9.77e5	108	7.5	1.09	bd
2	210414R1_2	100	0.52	NO	33.67	0.986	1.06e6	1.01e6	105	4.7	1.06	bd
3	210414R1_3	100	0.51	NO	33.67	0.986	9.58e5	1.01e6	93.9	-6.1	0.950	bd
4	210414R1_4	100	0.51	NO	33.65	0.986	1.05e6	1.08e6	95.9	-4.1	0.970	bd
5	210414R1_5	100	0.51	NO	33.67	0.986	1.02e6	9.84e5	103	2.6	1.04	bd
6	210414R1_6	100	0.51	NO	33.68	0.987	1.07e6	1.11e6	95.4	-4.6	0.964	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDF**

Response Factor: 1.07338

RRF SD: 0.0605245, Relative SD: 5.63869

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	210414R1_1	100	0.52	NO	33.79	0.990	1.11e6	9.77e5	106	5.8	1.14	db
2	210414R1_2	100	0.52	NO	33.81	0.990	1.10e6	1.01e6	102	2.1	1.10	dd
3	210414R1_3	100	0.51	NO	33.81	0.990	1.01e6	1.01e6	93.4	-6.6	1.00	db
4	210414R1_4	100	0.51	NO	33.80	0.990	1.12e6	1.08e6	96.1	-3.9	1.03	db
5	210414R1_5	100	0.51	NO	33.81	0.990	1.13e6	9.84e5	107	6.8	1.15	db
6	210414R1_6	100	0.52	NO	33.81	0.990	1.14e6	1.11e6	95.8	-4.2	1.03	db

**Compound name: 13C-2,3,4,6,7,8-HxCDF**

Response Factor: 0.909508

RRF SD: 0.0399449, Relative SD: 4.39192

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	210414R1_1	100	0.51	NO	34.48	1.010	8.62e5	9.77e5	97.0	-3.0	0.882	bb
2	210414R1_2	100	0.51	NO	34.50	1.011	9.20e5	1.01e6	101	0.6	0.915	bb

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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	210414R1_3	100	0.51	NO	34.50	1.011	8.85e5	1.01e6	96.5	-3.5	0.878	bb
4	210414R1_4	100	0.51	NO	34.49	1.011	9.78e5	1.08e6	99.2	-0.8	0.902	bb
5	210414R1_5	100	0.51	NO	34.50	1.011	9.70e5	9.84e5	108	8.4	0.986	bb
6	210414R1_6	100	0.51	NO	34.50	1.011	9.88e5	1.11e6	98.2	-1.8	0.894	bb

**Compound name: 13C-1,2,3,7,8,9-HxCDF**

Response Factor: 0.828495

RRF SD: 0.0441817, Relative SD: 5.33276

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	210414R1_1	100	0.51	NO	35.58	1.043	8.35e5	9.77e5	103	3.1	0.855	bd
2	210414R1_2	100	0.50	NO	35.59	1.043	8.23e5	1.01e6	98.8	-1.2	0.819	bb
3	210414R1_3	100	0.50	NO	35.59	1.043	7.82e5	1.01e6	93.6	-6.4	0.775	bb
4	210414R1_4	100	0.51	NO	35.58	1.043	8.67e5	1.08e6	96.5	-3.5	0.800	bb
5	210414R1_5	100	0.51	NO	35.59	1.043	8.86e5	9.84e5	109	8.8	0.901	bb
6	210414R1_6	100	0.50	NO	35.59	1.043	9.08e5	1.11e6	99.1	-0.9	0.821	bb

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

Response Factor: 0.660927

RRF SD: 0.0478014, Relative SD: 7.23248

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	210414R1_1	100	0.43	NO	37.16	1.089	6.01e5	9.77e5	93.0	-7.0	0.615	bb
2	210414R1_2	100	0.43	NO	37.17	1.089	7.19e5	1.01e6	108	8.2	0.715	bb
3	210414R1_3	100	0.44	NO	37.16	1.089	6.30e5	1.01e6	94.5	-5.5	0.624	bb
4	210414R1_4	100	0.44	NO	37.15	1.089	6.93e5	1.08e6	96.8	-3.2	0.639	bb
5	210414R1_5	100	0.44	NO	37.16	1.089	7.15e5	9.84e5	110	10.0	0.727	bb
6	210414R1_6	100	0.43	NO	37.17	1.089	7.13e5	1.11e6	97.6	-2.4	0.645	bb

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**Compound name: 13C-1,2,3,4,7,8,9-HpCDF**

Response Factor: 0.565796  
 RRF SD: 0.0589126, Relative SD: 10.4123  
 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	210414R1_1	100	0.44	NO	38.95	1.141	5.32e5	9.77e5	96.2	-3.8	0.544	bb
2	210414R1_2	100	0.44	NO	38.97	1.141	6.67e5	1.01e6	117	17.2	0.663	bb
3	210414R1_3	100	0.43	NO	38.95	1.141	5.16e5	1.01e6	90.4	-9.6	0.511	bb
4	210414R1_4	100	0.43	NO	38.95	1.141	5.80e5	1.08e6	94.5	-5.5	0.535	bb
5	210414R1_5	100	0.44	NO	38.95	1.141	6.02e5	9.84e5	108	8.2	0.612	bd
6	210414R1_6	100	0.43	NO	38.97	1.141	5.85e5	1.11e6	93.5	-6.5	0.529	bb

**Compound name: 13C-OCDF**

Response Factor: 0.662528  
 RRF SD: 0.0621617, Relative SD: 9.3825  
 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	210414R1_1	200	0.90	NO	41.64	1.220	1.36e6	9.77e5	210	5.2	0.697	bb
2	210414R1_2	200	0.88	NO	41.66	1.220	1.47e6	1.01e6	221	10.5	0.732	bb
3	210414R1_3	200	0.89	NO	41.66	1.220	1.17e6	1.01e6	176	-12.2	0.582	bb
4	210414R1_4	200	0.88	NO	41.64	1.220	1.36e6	1.08e6	189	-5.6	0.625	bb
5	210414R1_5	200	0.88	NO	41.65	1.220	1.42e6	9.84e5	218	8.8	0.721	bb
6	210414R1_6	200	0.89	NO	41.65	1.220	1.37e6	1.11e6	187	-6.7	0.618	bb

**Compound name: 37Cl-2,3,7,8-TCDD**

Response Factor: 2.06778  
 RRF SD: 0.220438, Relative SD: 10.6606  
 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	210414R1_1	0.250			26.93	1.026	6.11e3	1.37e6	0.215	-13.8	1.78	bb
2	210414R1_2	0.500			26.96	1.028	1.53e4	1.38e6	0.535	6.9	2.21	bb

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Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CRV.qld

Last Altered: Thursday, April 15, 2021 09:26:26 Pacific Daylight Time

Printed: Thursday, April 15, 2021 10:31:17 Pacific Daylight Time

**Compound name: 37Cl-2,3,7,8-TCDD**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	2.00			26.94	1.027	4.90e4	1.33e6	1.79	-10.6	1.85	bb
4	210414R1_4	40.0			26.93	1.027	1.19e6	1.40e6	41.2	2.9	2.13	bb
5	210414R1_5	200			26.94	1.028	5.63e6	1.19e6	229	14.4	2.37	bb
6	210414R1_6	10.0			26.94	1.027	3.06e5	1.48e6	10.0	0.1	2.07	bb

**Compound name: 13C-1,2,3,4-TCDD**

Response Factor: 1

RRF SD: 0, Relative SD: 0

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	210414R1_1	100	0.78	NO	26.23	1.000	1.37e6	1.37e6	100	0.0	1.00	bb
2	210414R1_2	100	0.78	NO	26.23	1.000	1.38e6	1.38e6	100	0.0	1.00	bb
3	210414R1_3	100	0.78	NO	26.23	1.000	1.33e6	1.33e6	100	0.0	1.00	bb
4	210414R1_4	100	0.78	NO	26.22	1.000	1.40e6	1.40e6	100	0.0	1.00	bb
5	210414R1_5	100	0.77	NO	26.22	1.000	1.19e6	1.19e6	100	0.0	1.00	bb
6	210414R1_6	100	0.78	NO	26.23	1.000	1.48e6	1.48e6	100	0.0	1.00	bb

**Compound name: 13C-1,2,3,4-TCDF**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.79	NO	24.93	1.000	1.78e6	1.78e6	100	0.0	1.00	bb
2	210414R1_2	100	0.79	NO	24.95	1.000	2.00e6	2.00e6	100	0.0	1.00	bb
3	210414R1_3	100	0.78	NO	24.95	1.000	1.90e6	1.90e6	100	0.0	1.00	bb
4	210414R1_4	100	0.78	NO	24.93	1.000	2.03e6	2.03e6	100	0.0	1.00	bb
5	210414R1_5	100	0.78	NO	24.93	1.000	1.76e6	1.76e6	100	0.0	1.00	bb
6	210414R1_6	100	0.78	NO	24.95	1.000	2.12e6	2.12e6	100	0.0	1.00	bb



Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CRV.qld

Last Altered: Thursday, April 15, 2021 09:26:26 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:31:17 Pacific Daylight Time

**Compound name: 13C-1,2,3,4,6,9-HxCDF**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.51	NO	34.13	1.000	9.77e5	9.77e5	100	0.0	1.00	bb
2	210414R1_2	100	0.51	NO	34.14	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
3	210414R1_3	100	0.51	NO	34.14	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
4	210414R1_4	100	0.51	NO	34.13	1.000	1.08e6	1.08e6	100	0.0	1.00	bb
5	210414R1_5	100	0.51	NO	34.14	1.000	9.84e5	9.84e5	100	0.0	1.00	bb
6	210414R1_6	100	0.51	NO	34.14	1.000	1.11e6	1.11e6	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Thursday, April 15, 2021 10:22:19 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:22:49 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Compound name: 2,3,7,8-TCDD

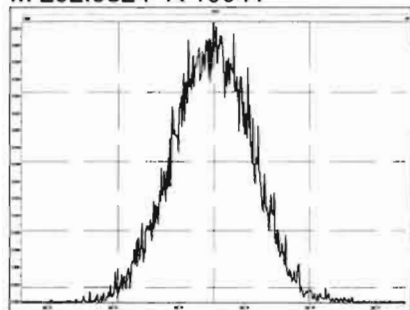
	Name	ID	Acq.Date	Acq.Time
1	210414R1_1	ST210414R1-1 1613 CS0 21D0706	14-Apr-21	09:44:53
2	210414R1_2	ST210414R1-2 1613 CS1 21D0707	14-Apr-21	10:37:34
3	210414R1_3	ST210414R1-3 1613 CS2 21C0104	14-Apr-21	11:26:41
4	210414R1_4	ST210414R1-4 1613 CS4 21C0106	14-Apr-21	12:13:44
5	210414R1_5	ST210414R1-5 1613 CS5 21C0107	14-Apr-21	12:59:55
6	210414R1_6	ST210414R1-6 1613 CS3 21C0105	14-Apr-21	13:46:07
7	210414R1_7	SS210414R1-1 1613 SSS 21C0108	14-Apr-21	14:34:13



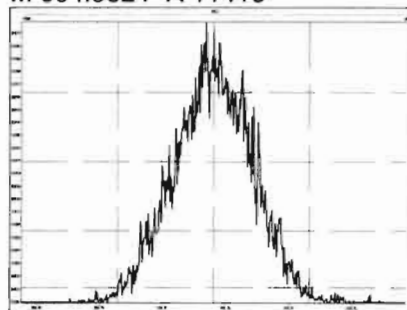
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:36:46 Pacific Daylight Time

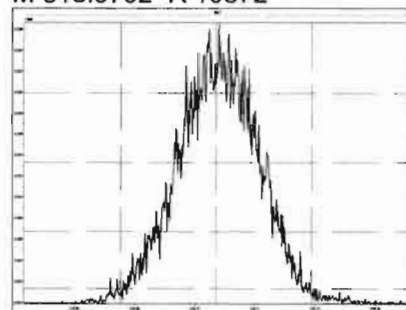
M 292.9824 R 10641



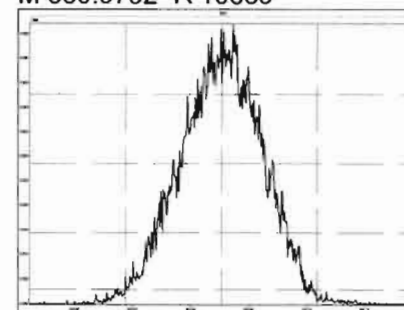
M 304.9824 R 11415



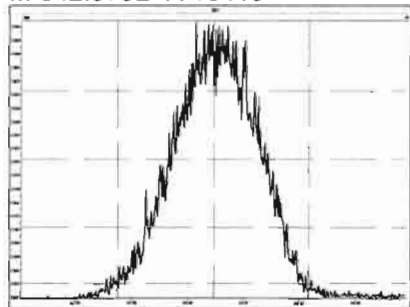
M 318.9792 R 10872



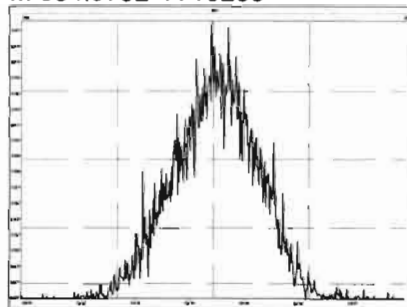
M 330.9792 R 10639



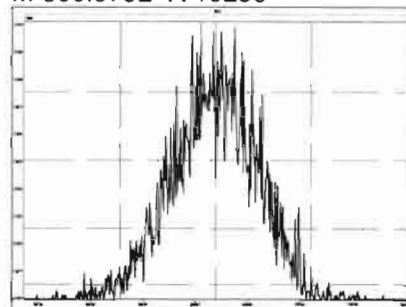
M 342.9792 R 10419



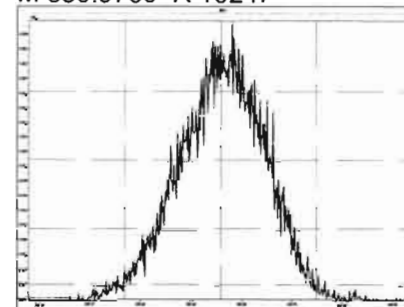
M 354.9792 R 10288



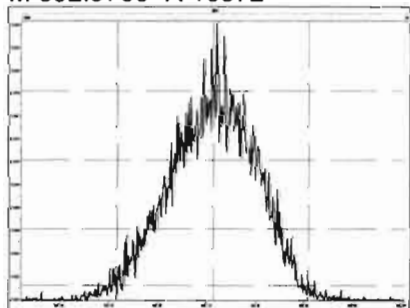
M 366.9792 R 10286



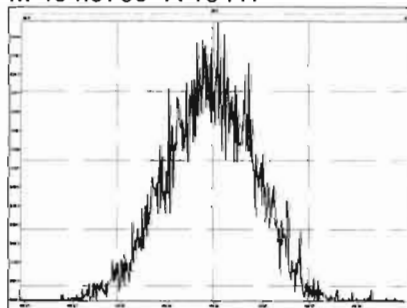
M 380.9760 R 10247



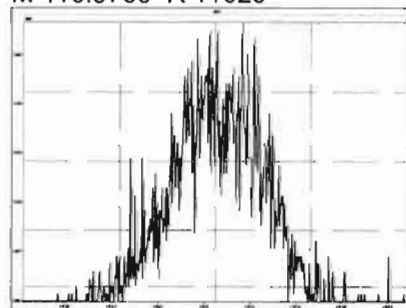
M 392.9760 R 10372



M 404.9760 R 10417



M 416.9760 R 11626



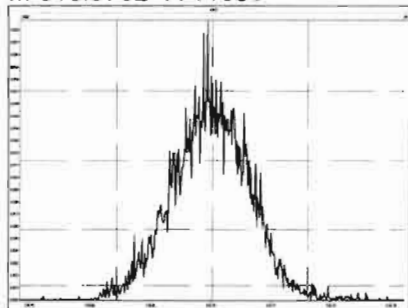
**Experiment Calibration Report**

**MassLynx 4.1 SCN815**

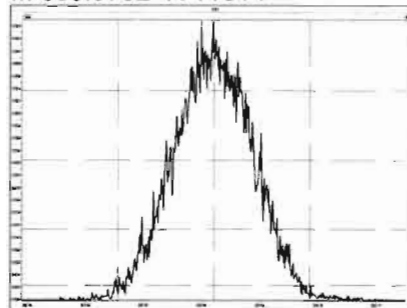
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:38:24 Pacific Daylight Time

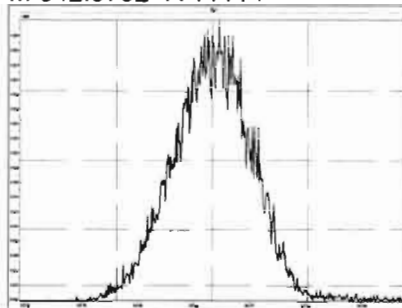
M 318.9792 R 11680



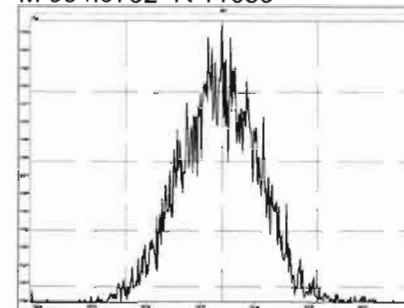
M 330.9792 R 11014



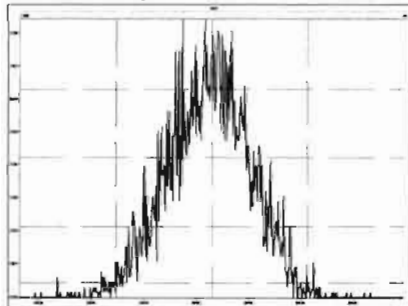
M 342.9792 R 11114



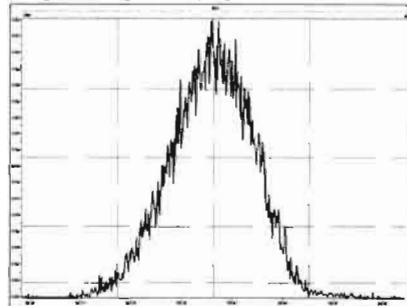
M 354.9792 R 11683



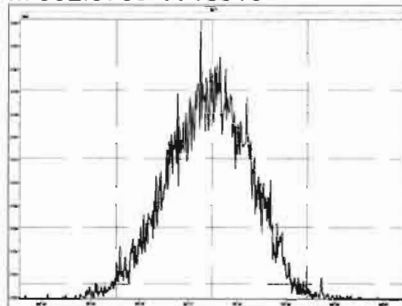
M 366.9792 R 10778



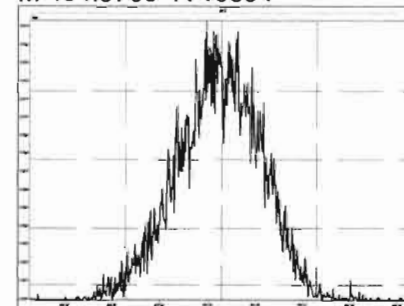
M 380.9760 R 10374



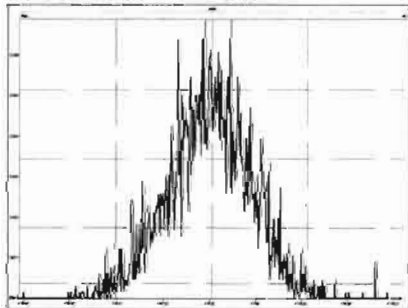
M 392.9760 R 10916



M 404.9760 R 10594



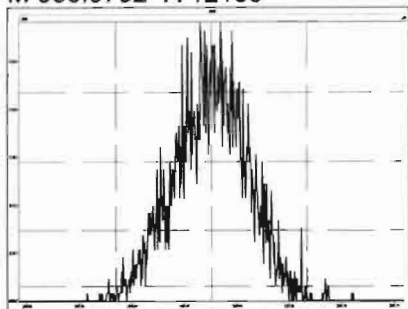
M 416.9760 R 11847



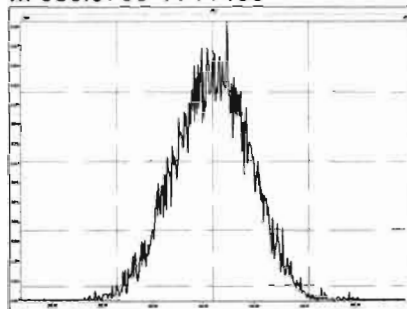
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:39:36 Pacific Daylight Time

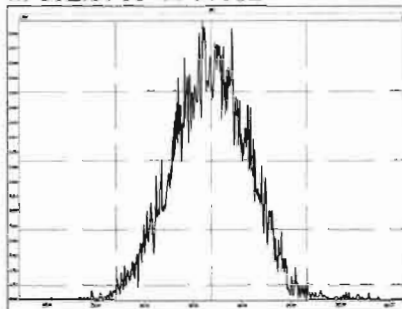
M 366.9792 R 12136



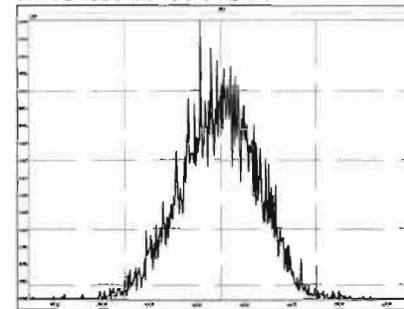
M 380.9760 R 11466



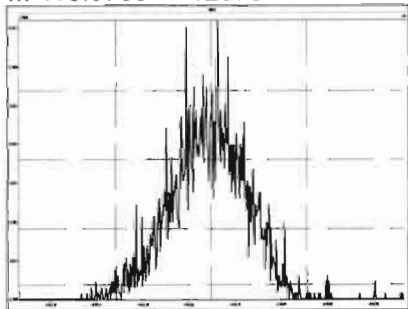
M 392.9760 R 11682



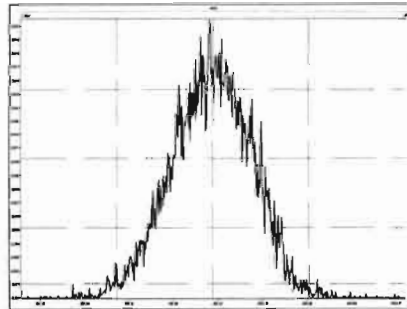
M 404.9760 R 11964



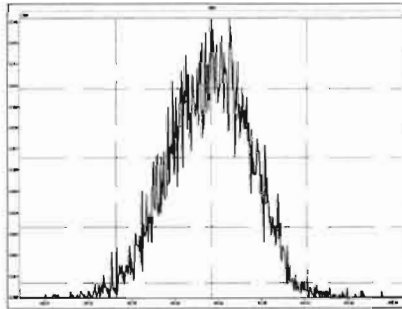
M 416.9760 R 12078



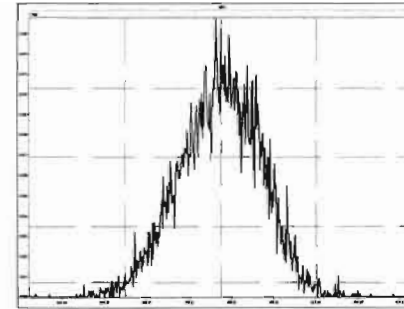
M 430.9728 R 11159



M 442.9728 R 10870



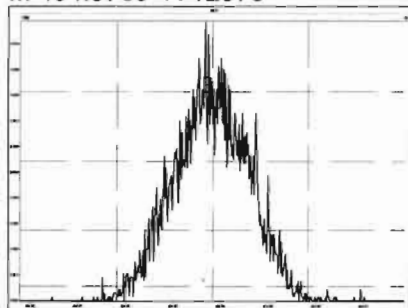
M 454.9728 R 11159



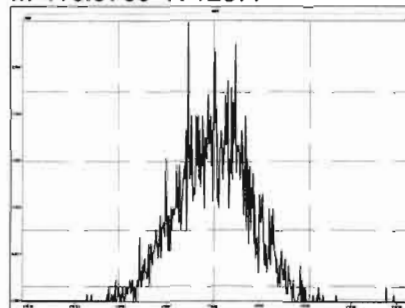
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Printed: Wednesday, April 14, 2021 09:40:37 Pacific Daylight Time

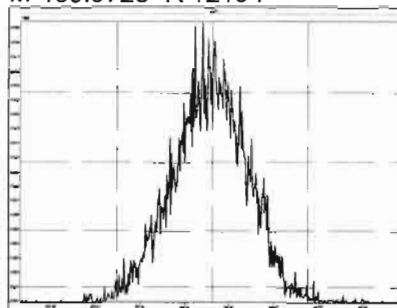
M 404.9760 R 12076



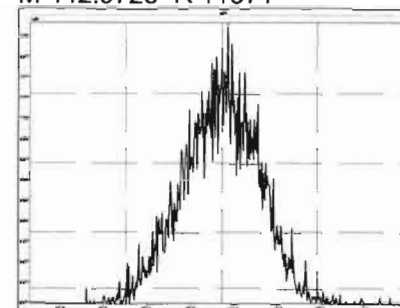
M 416.9760 R 12377



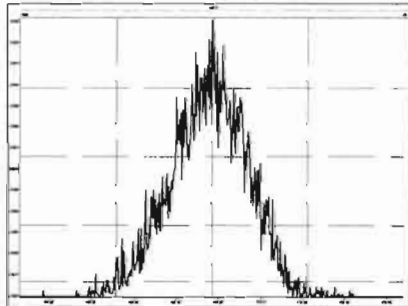
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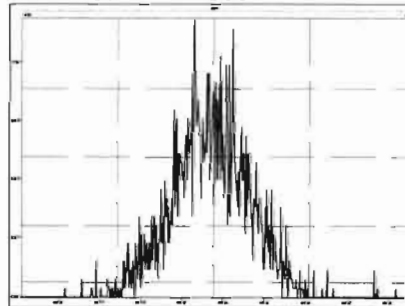
M 442.9728 R 11571



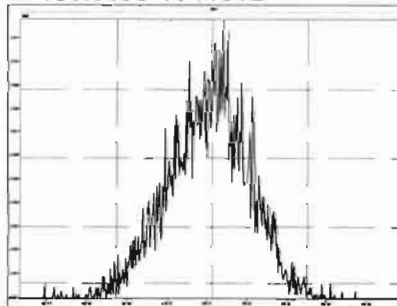
M 454.9728 R 11415



M 466.9728 R 13091



M 480.9696 R 11312



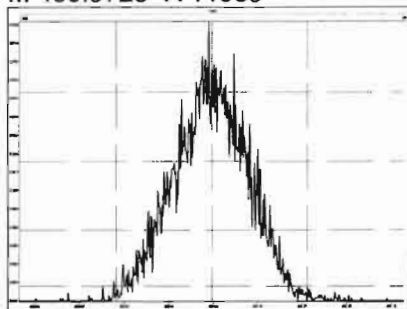
Experiment Calibration Report

MassLynx 4.1 SCN815

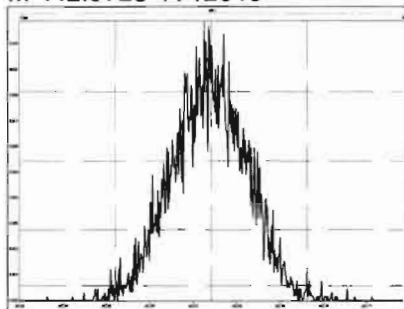
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Printed: Wednesday, April 14, 2021 09:41:44 Pacific Daylight Time

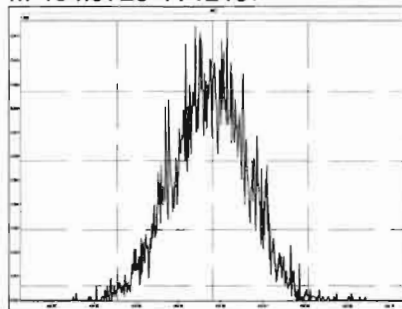
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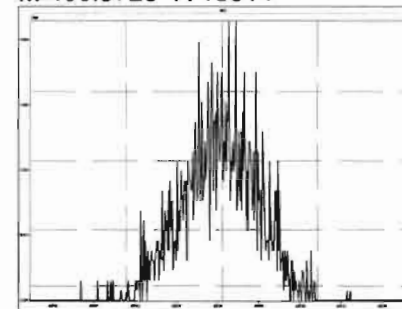
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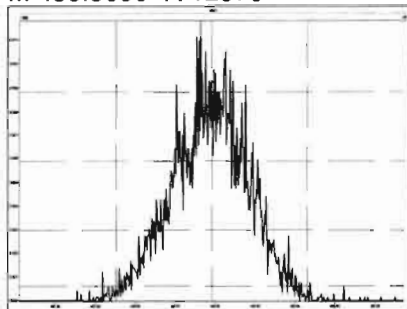
M 454.9728 R 12197



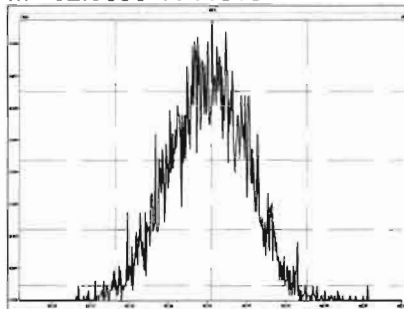
M 466.9728 R 13514



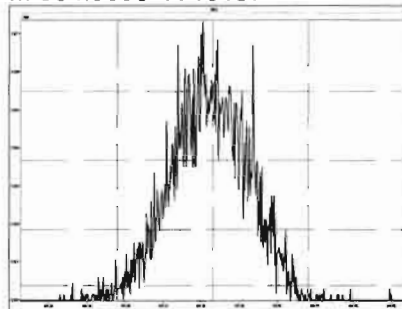
M 480.9696 R 12076



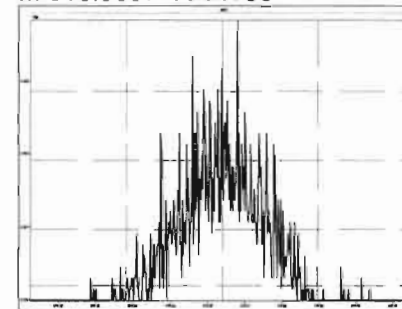
M 492.9696 R 11518



M 504.9696 R 13157



M 516.9697 R 14798



Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CPSM.qld

Last Altered: Thursday, April 15, 2021 09:55:18 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:55:55 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 06 Apr 2021 16:19:34

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210414R1\_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.62
2	2 1,2,8,9-TCDD (Last)	27.76
3	3 1,2,4,7,9-PeCDD (First)	29.13
4	4 1,2,3,8,9-PeCDD (Last)	31.62
5	5 1,2,4,6,7,9-HxCDD (First)	32.89
6	6 1,2,3,7,8,9-HxCDD (Last)	35.05
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.47
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.31
9	9 1,3,6,8-TCDF (First)	21.61
10	10 1,2,8,9-TCDF (Last)	28.07
11	11 1,3,4,6,8-PeCDF (First)	27.62
12	12 1,2,3,8,9-PeCDF (Last)	31.98
13	13 1,2,3,4,6,8-HxCDF (First)	32.36
14	14 1,2,3,7,8,9-HxCDF (Last)	35.61
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.18
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.98

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CPSM.qld

Last Altered: Thursday, April 15, 2021 09:55:18 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:55:55 Pacific Daylight Time

FIN 04/15/21

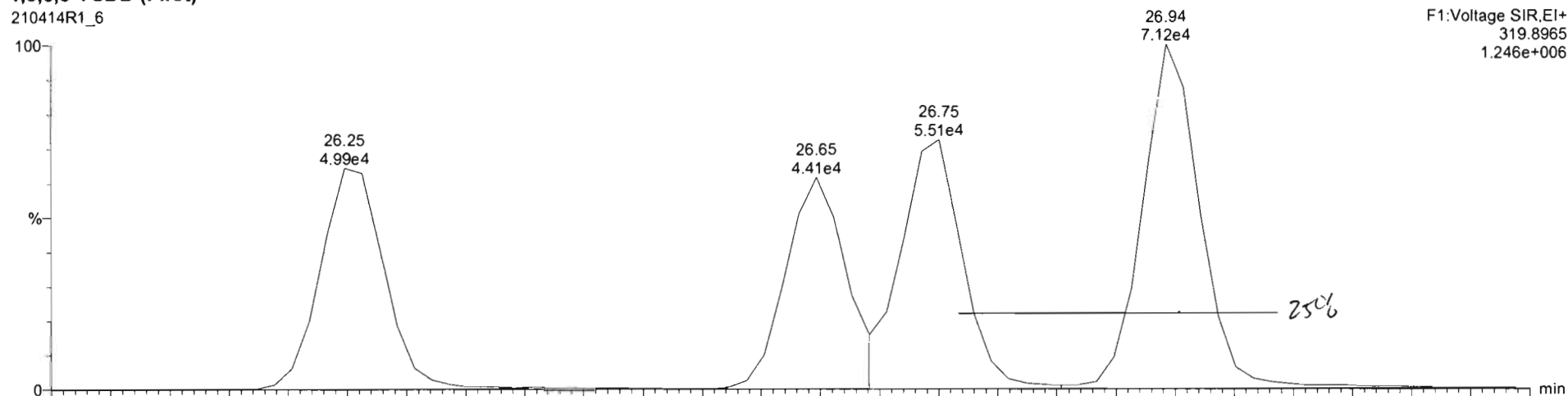
Method: U:\VG12.PRO\MethDB\CPSM.mdb 06 Apr 2021 16:19:34

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

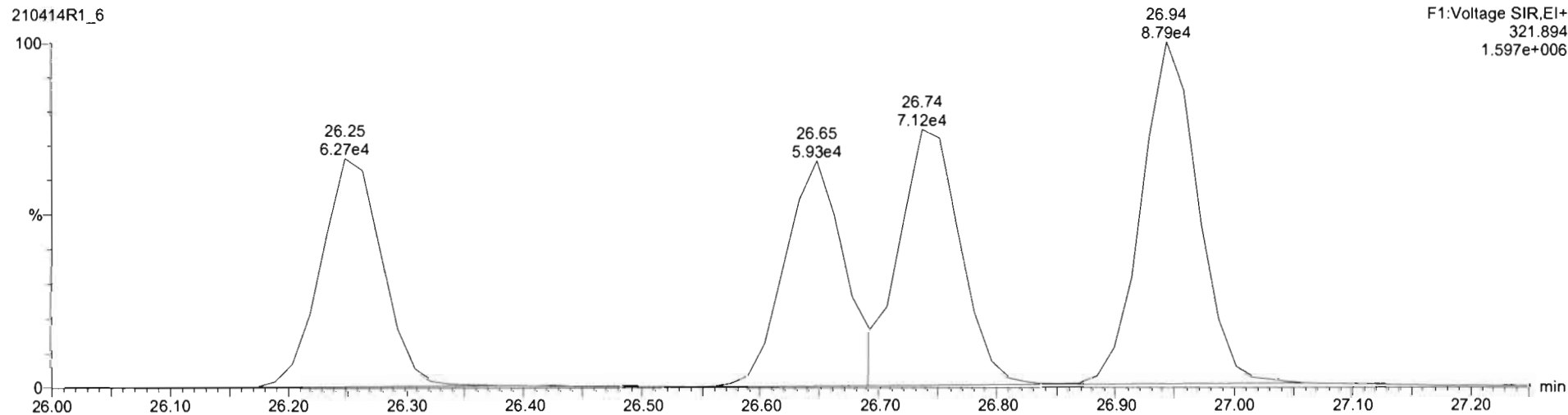
Name: 210414R1\_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210414R1\_6



210414R1\_6



Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CPSM.qld

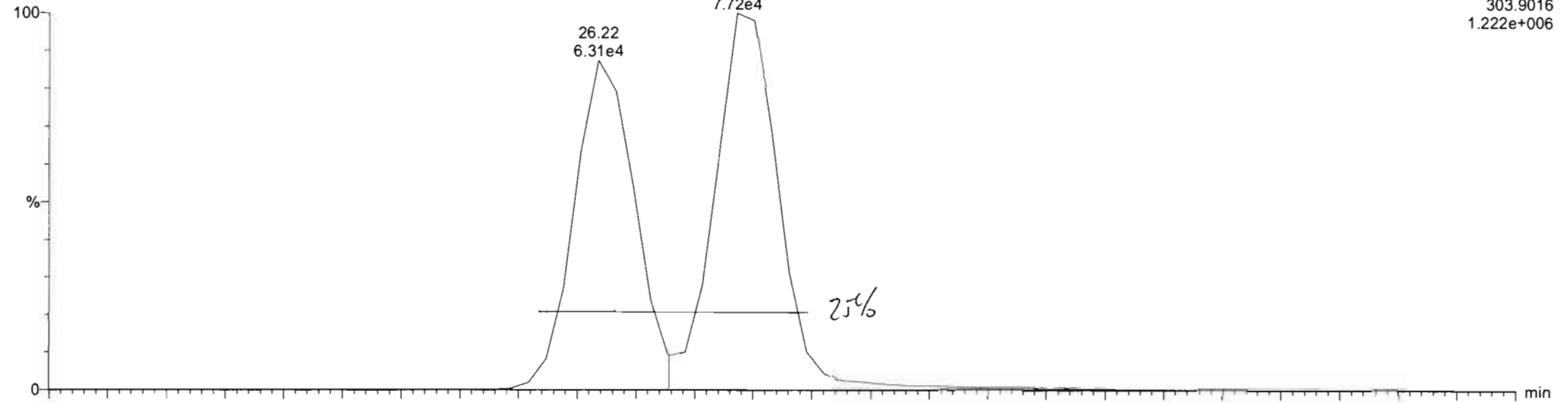
Last Altered: Thursday, April 15, 2021 09:55:18 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:55:55 Pacific Daylight Time

*FIN 04/15/21*

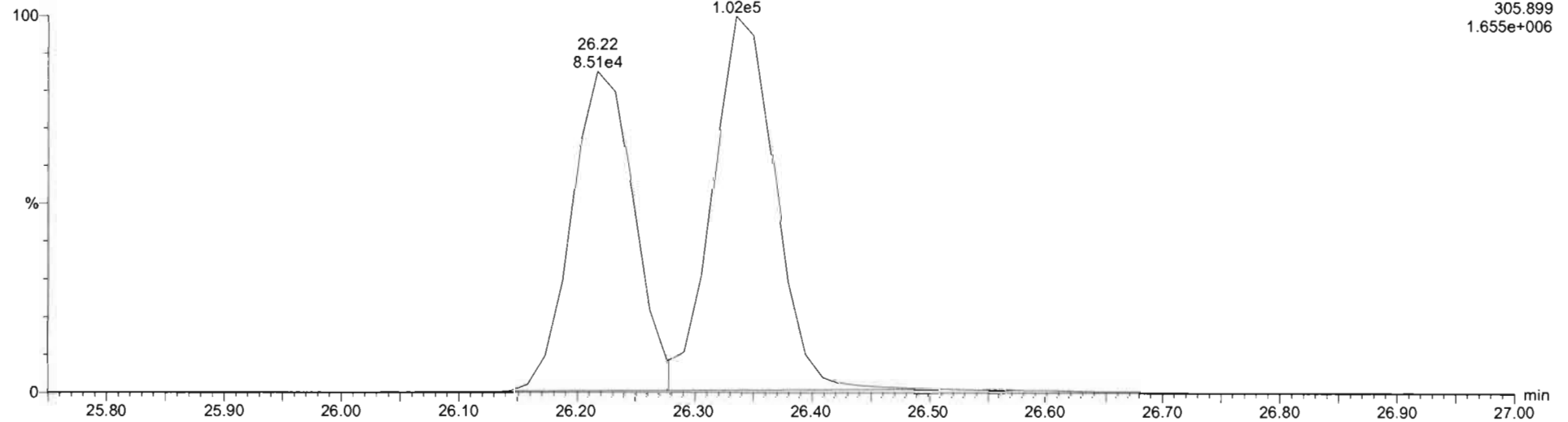
Name: 210414R1\_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)

210414R1\_6



210414R1\_6





Dataset: Untitled

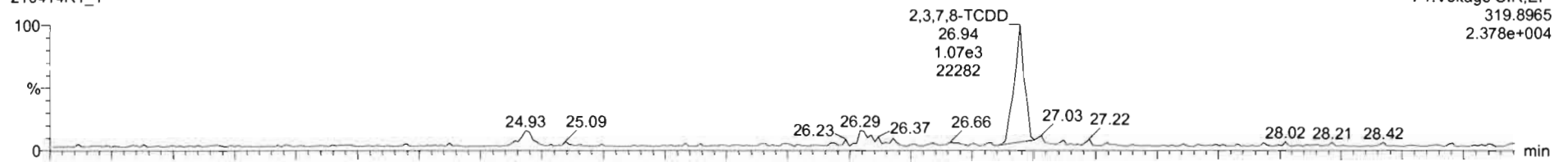
Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 14 Apr 2021 14:49:28

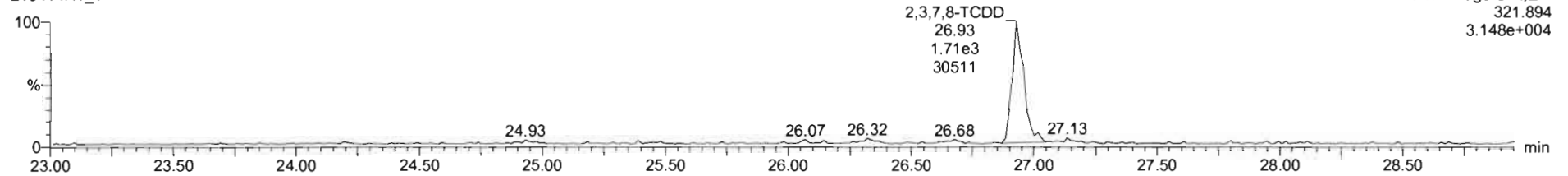
Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

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

210414R1\_1

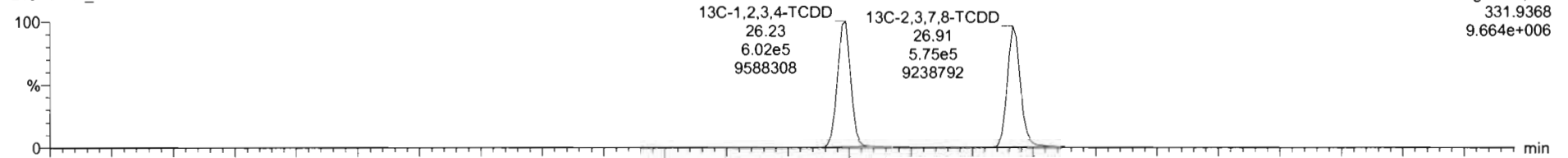


210414R1\_1

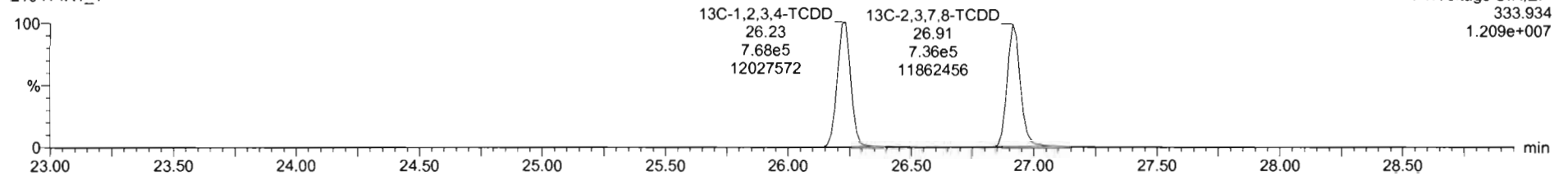


**13C-2,3,7,8-TCDD**

210414R1\_1



210414R1\_1

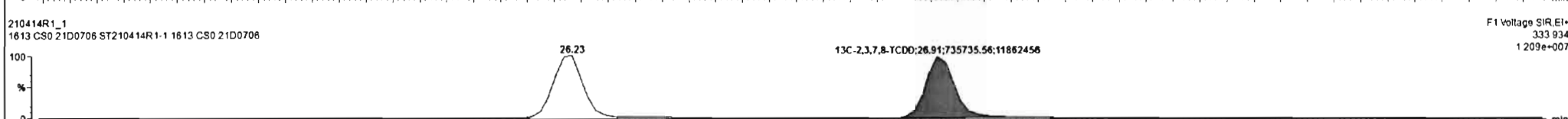
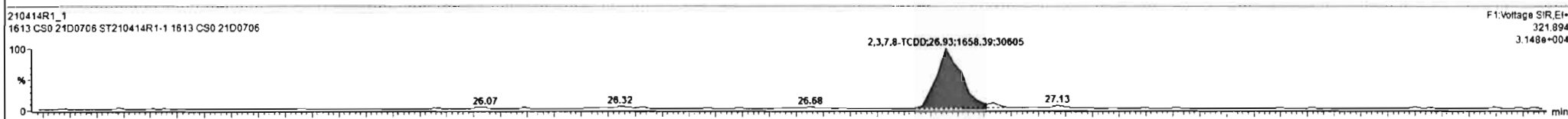
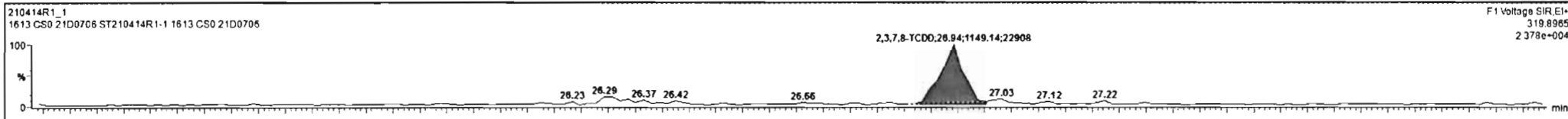


TargetLynx - 210414R1\_CRV.qtd - Chromatogram

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210414R1\_1 - ST210414R1-1 1613 CS0 21D0706 - 1613 CS0 21D0706

#	RT	Name	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	26.94	2,3,7,8-TCDD	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	31.27	1,2,3,7,8-PeCDD	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	34.61	1,2,3,4,7,8-HxCDD	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	34.73	1,2,3,6,7,8-HxCDD	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	35.03	1,2,3,7,8,9-HxCDD	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.96	0.874	0.0774
6	38.31	1,2,3,4,6,7,8-HpCDD	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	41.31	OCDD	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	26.35	2,3,7,8-TCDF	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	30.10	1,2,3,7,8-PeCDF	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	31.09	1,2,3,4,7,8-PeCDF	1.483	NO	1.8882e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	33.67	1,2,3,4,7,8-HxCDF	1.172	NO	1.1296e4	1.0627e6	1.250	-7.5	8.29	0.920	0.0762
12	33.81	1,2,3,6,7,8-HxCDF	1.248	NO	1.1920e4	1.1097e6	1.250	-8.3	7.74	0.937	0.0725
13	34.50	1,2,3,4,6,7,8-HpCDF	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818
14	35.59	1,2,3,7,8,9-HxCDF	1.155	NO	9.3601e3	8.3529e5	1.250	-4.6	8.34	0.940	0.0784
15	37.17	1,2,3,4,6,7,8-HpCDF	1.018	NO	7.3127e3	6.0094e5	1.250	-7.1	8.33	1.05	0.0873
16	38.95	1,2,3,4,7,8,9-HpCDF	0.919	NO	6.4893e3	5.3180e5	1.250	-6.6	8.40	1.05	0.0879
17	41.65	OCDF	0.893	NO	1.2322e4	1.3632e6	2.500	-6.2	7.94	0.771	0.0612



Ready

210414R1\_1 CAP NUM

Dataset: Untitled

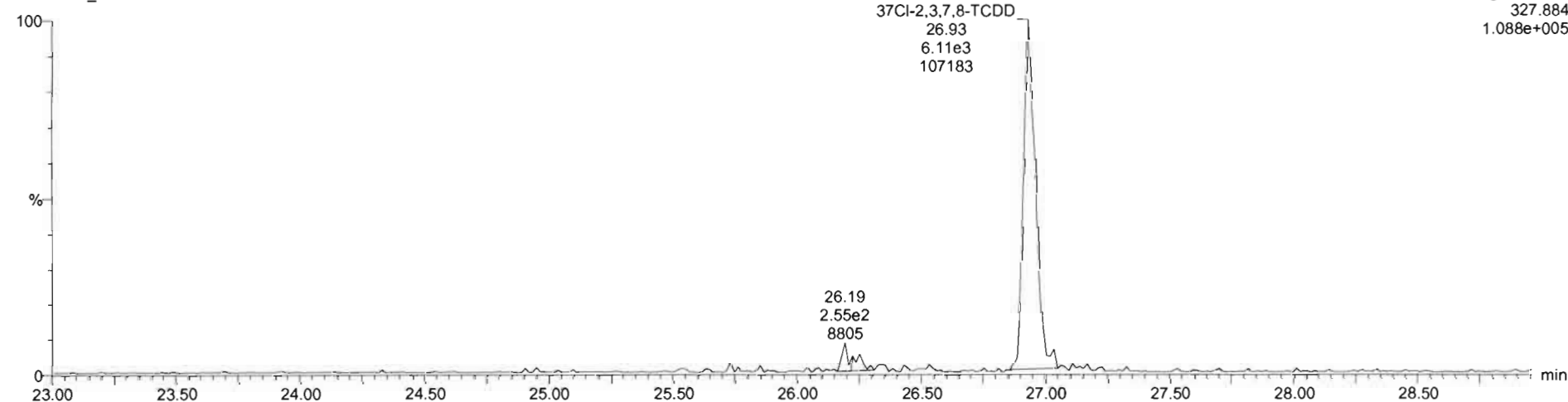
Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

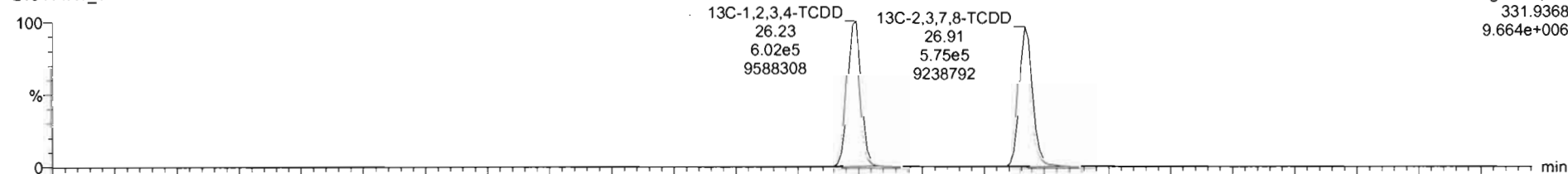
**37Cl-2,3,7,8-TCDD**

210414R1\_1

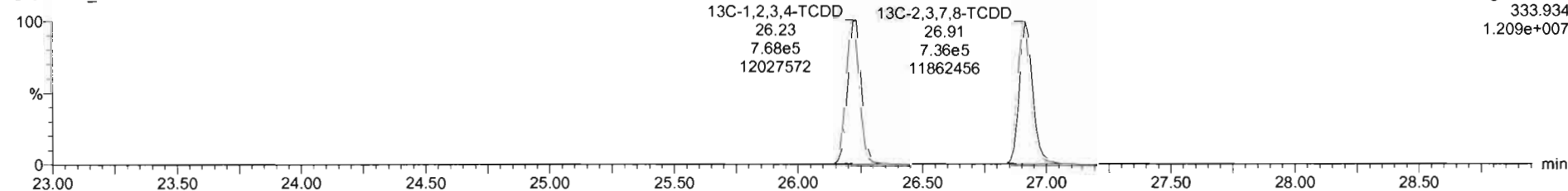


**13C-1,2,3,4-TCDD**

210414R1\_1



210414R1\_1



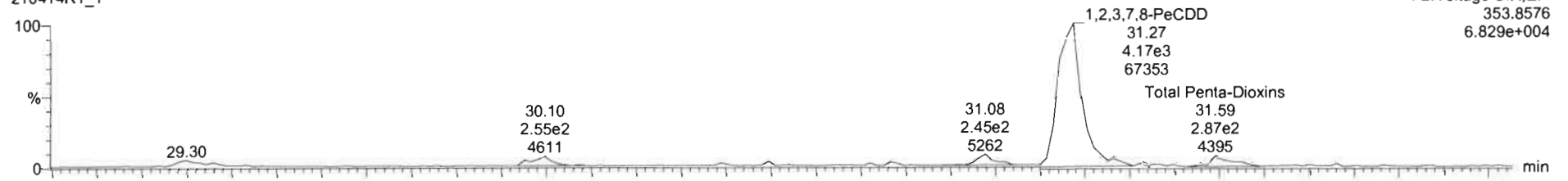
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

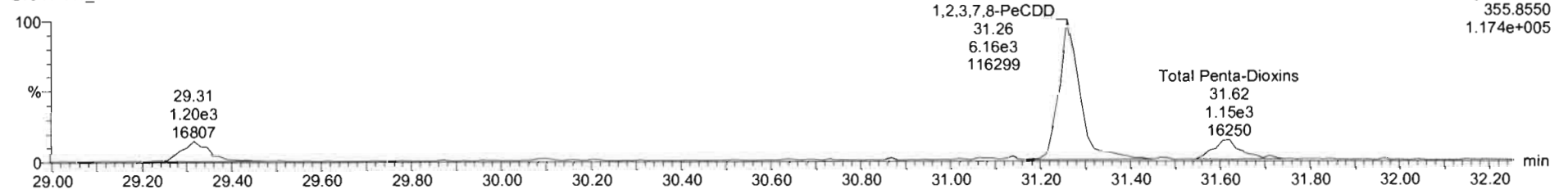
Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

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

210414R1\_1

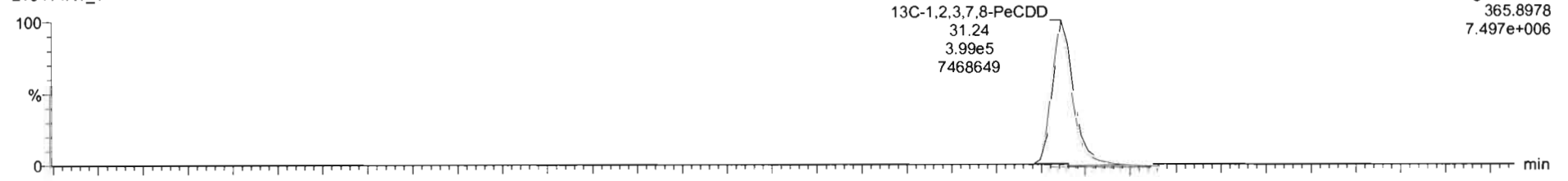


210414R1\_1

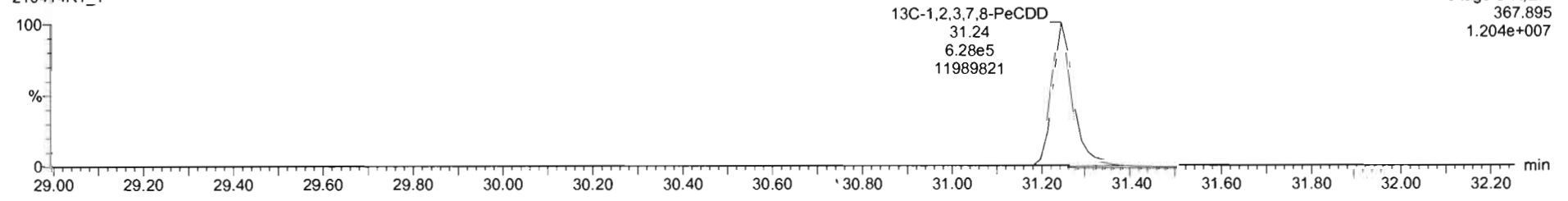


**13C-1,2,3,7,8-PeCDD**

210414R1\_1



210414R1\_1



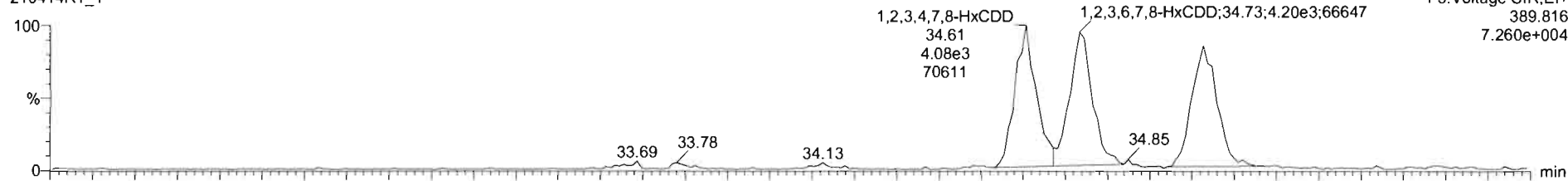
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

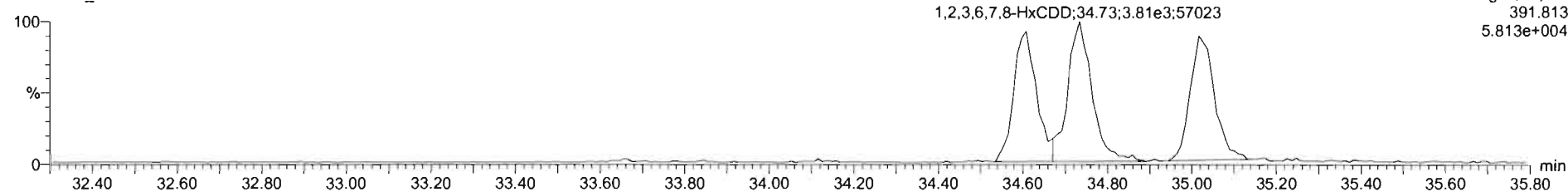
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1,2,3,4,7,8-HxCDD

210414R1\_1

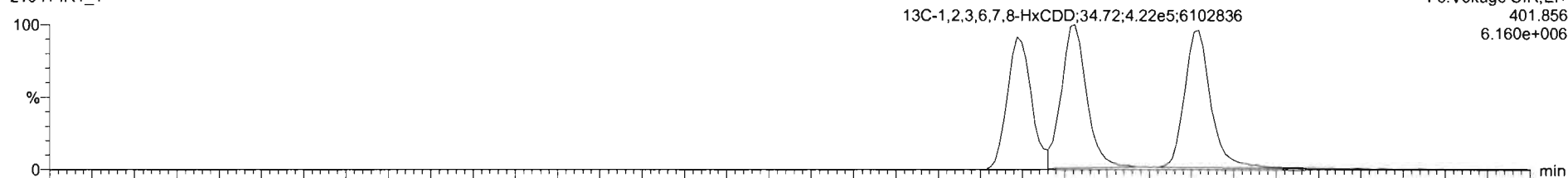


210414R1\_1

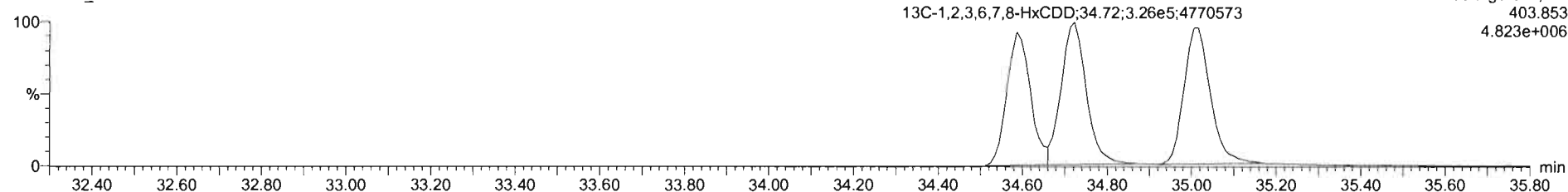


13C-1,2,3,4,7,8-HxCDD

210414R1\_1



210414R1\_1

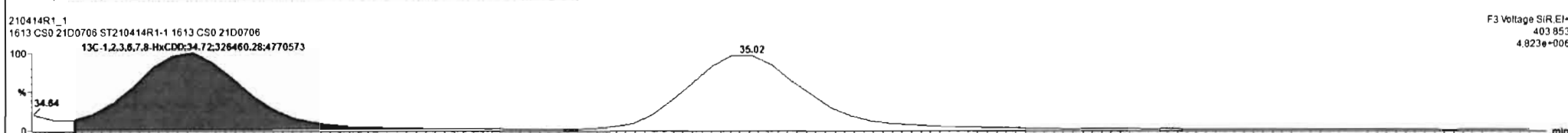
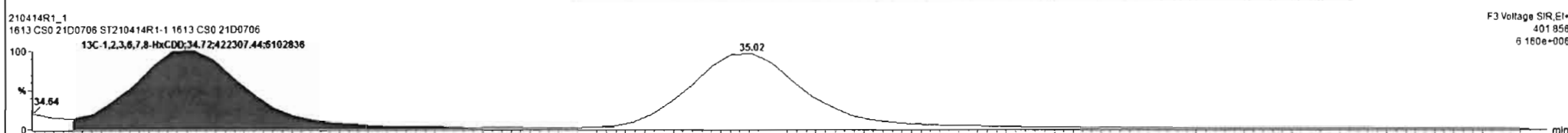
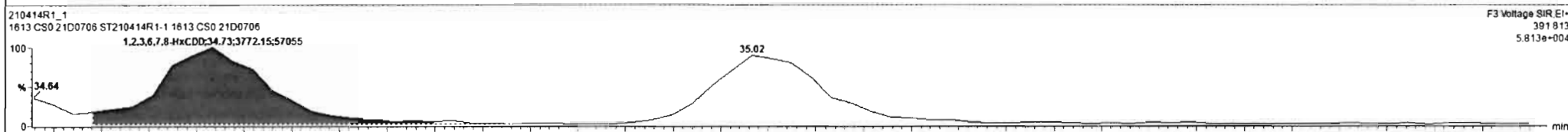
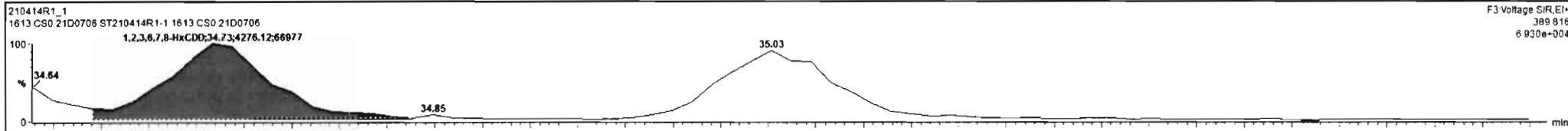


TargetLyx - 210414R1\_CRV.qtd - Chromatogram

File Edit View Display Processing Window Help

210414R1\_1 ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

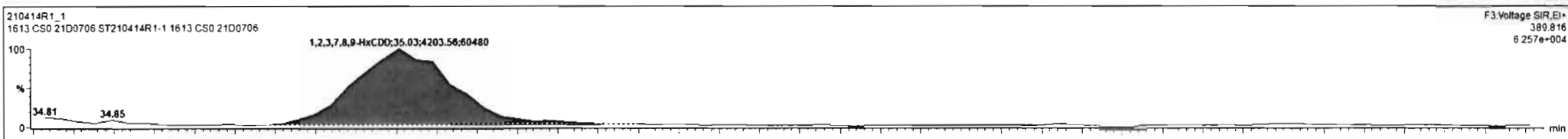
#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	28.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.872	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.9453e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	1,2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6862e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	6.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	6.41	0.973	0.0818



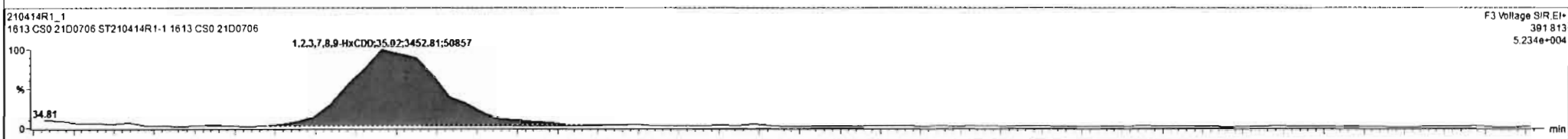
Resolv

210414R1\_1 CAP NUM

#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3105e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.81	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-8.5	8.96	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	36.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0906e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.8882e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0875
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



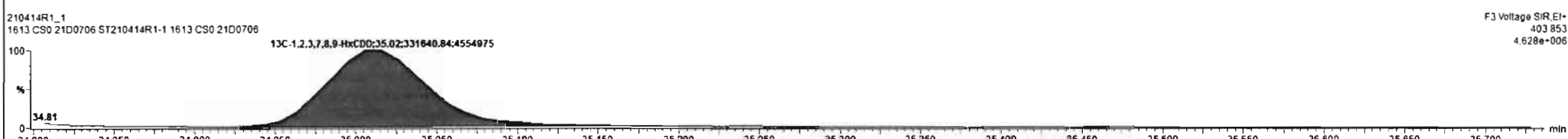
F3 Voltage SIR, EI+  
389.816  
6.257e+004



F3 Voltage SIR, EI+  
391.813  
5.234e+004



F3 Voltage SIR, EI+  
401.856  
5.915e+006



F3 Voltage SIR, EI+  
403.853  
4.628e+006

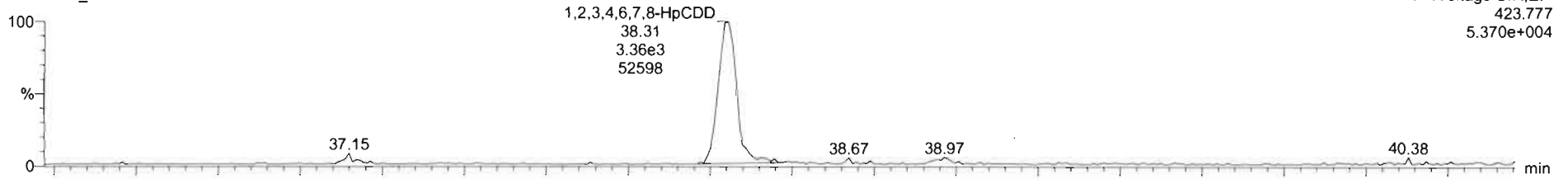
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

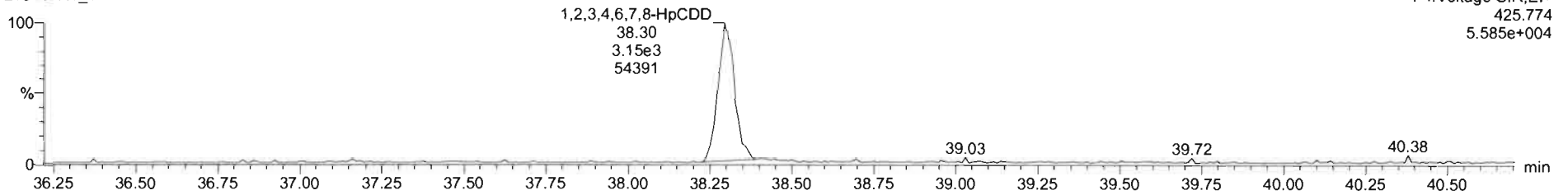
**1,2,3,4,6,7,8-HpCDD**

210414R1\_1



F4: Voltage SIR, EI+  
423.777  
5.370e+004

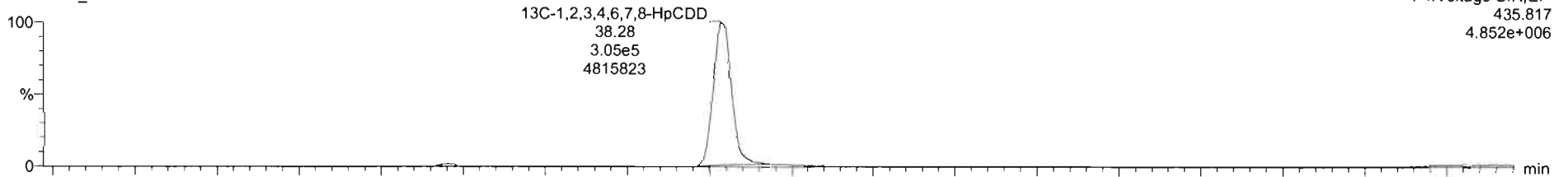
210414R1\_1



F4: Voltage SIR, EI+  
425.774  
5.585e+004

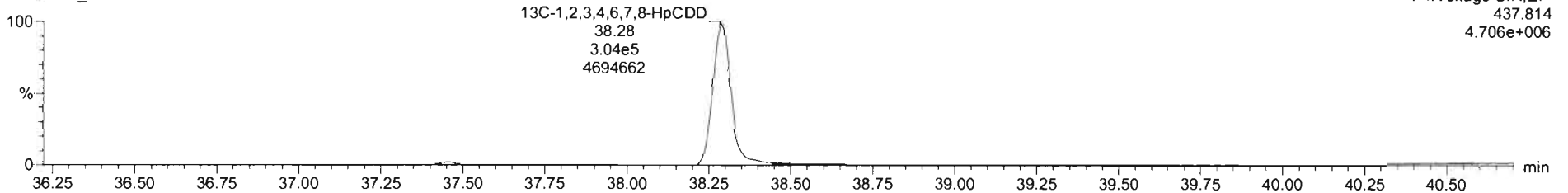
**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_1



F4: Voltage SIR, EI+  
435.817  
4.852e+006

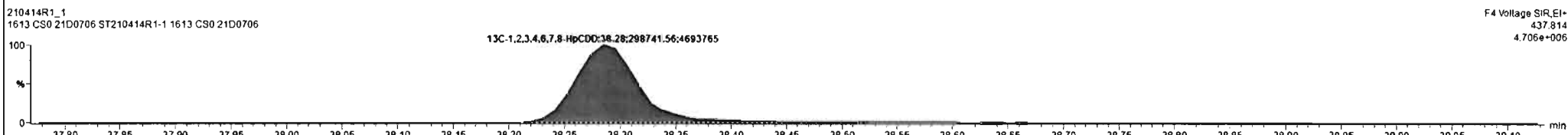
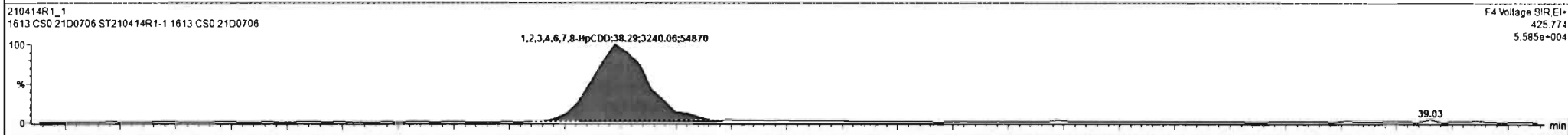
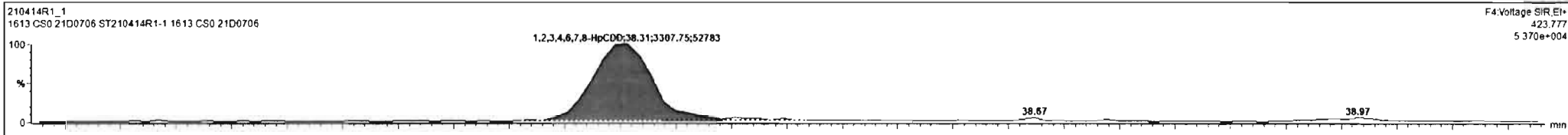
210414R1\_1



F4: Voltage SIR, EI+  
437.814  
4.706e+006



Sl	Name	RT	RA	Y/N	Area	S Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0629
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.31	1.821	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.856	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.463	NO	1.6862e4	1.4573e6	1.250	-3.6	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	1,2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



Regdb. 210414R1\_1 CAP NUM

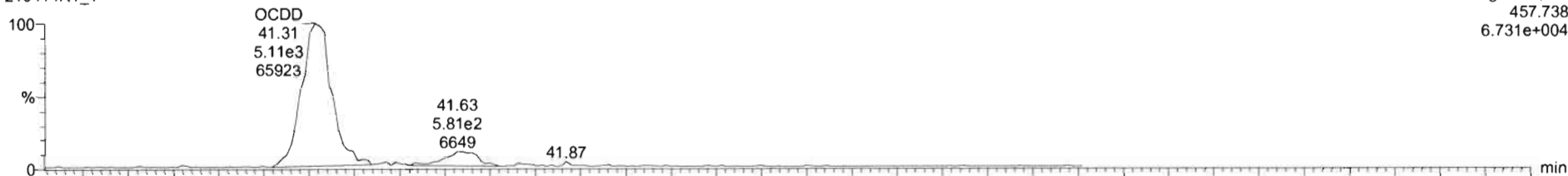
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

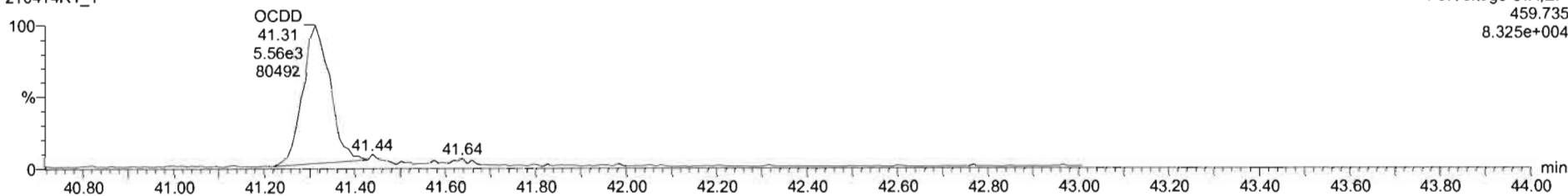
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OCDD

210414R1\_1

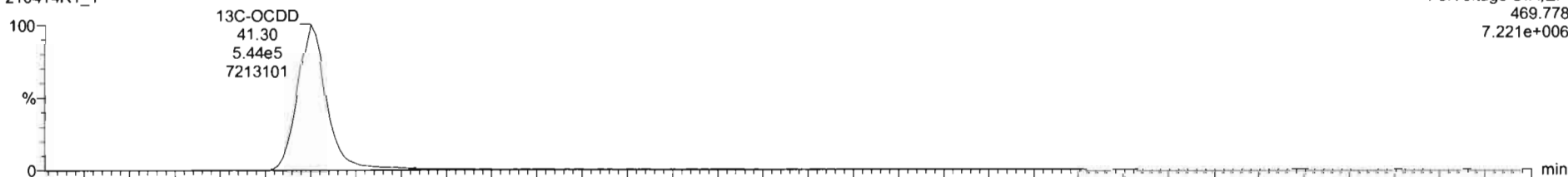


210414R1\_1

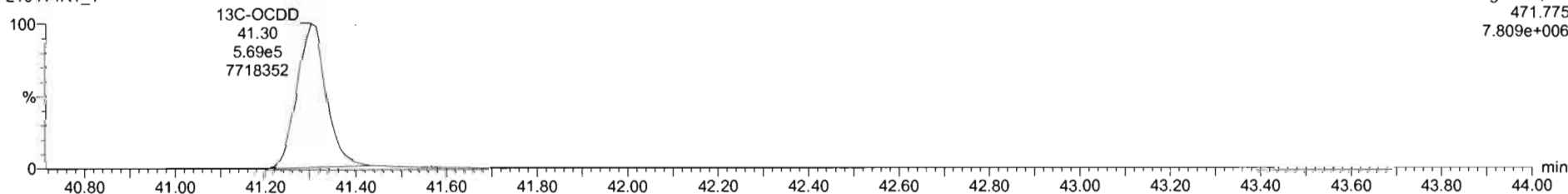


13C-OCDD

210414R1\_1



210414R1\_1

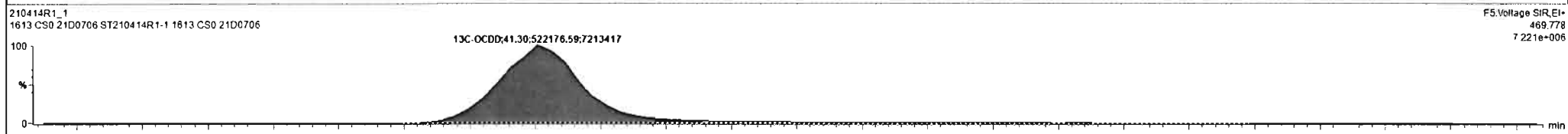
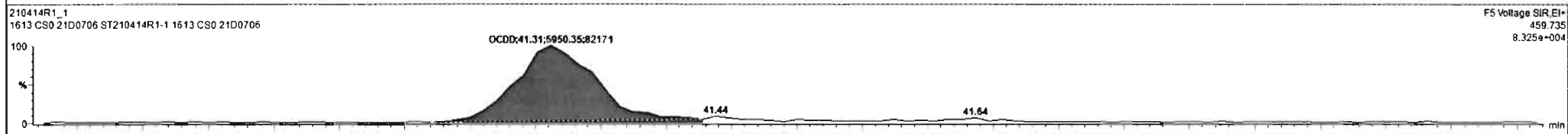
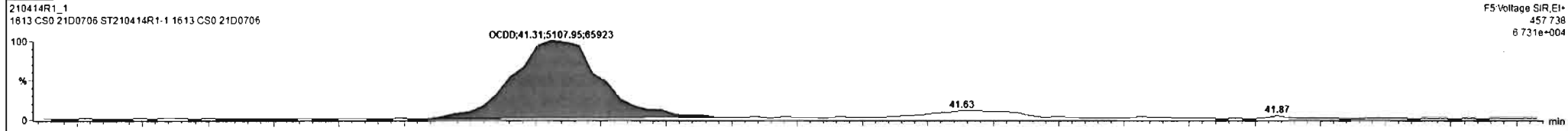


TargetLynx - 210414R1\_Chrv.qld - (Chromatogram)

File Edit View Display Processing Window Help

210414R1\_1 ST210414R1\_1 1613 CS0 21D0706 1613 CS0 21D0706

#	Y	Name	RT	RA	yH	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1	2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	6	1,2,3,4,6,7,8-HpCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	7	OCDD	41.31	0.958	NO	1.1058e4	1.0908e3	2.500	-4.9	7.48	0.852	0.0638
8	8	2,3,7,8-TCDF	26.35	0.790	NO	3.8600e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6862e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.78	0.936	0.0727
13	13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-6.5	8.41	0.973	0.0818



Regdb. 210414R1\_1 CAP NUM

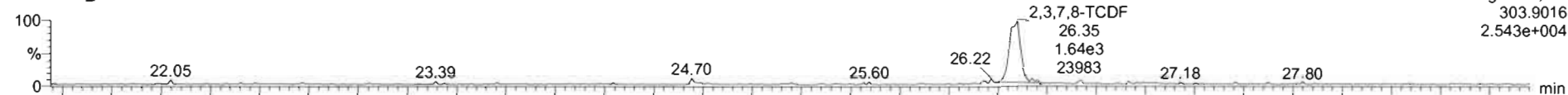
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

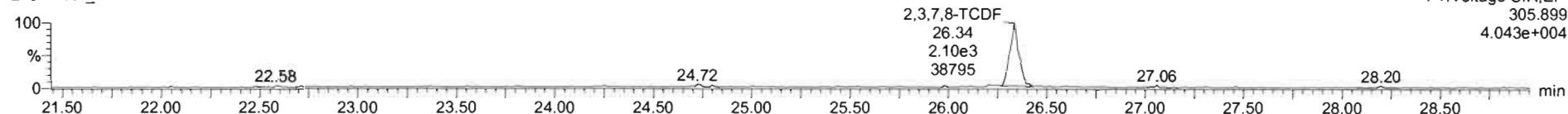
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**2,3,7,8-TCDF**

210414R1\_1

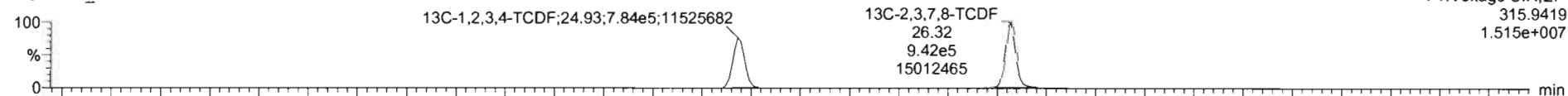


210414R1\_1

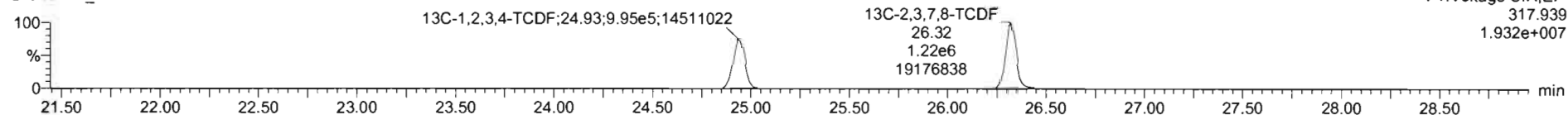


**13C-2,3,7,8-TCDF**

210414R1\_1

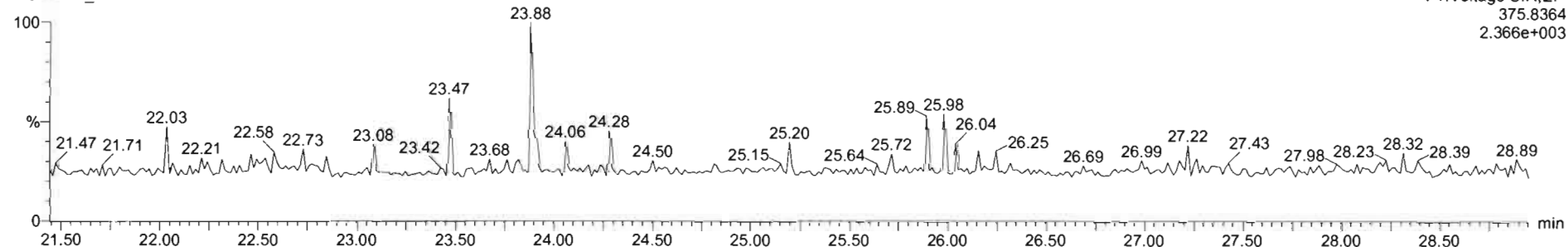


210414R1\_1



**DPE1**

210414R1\_1

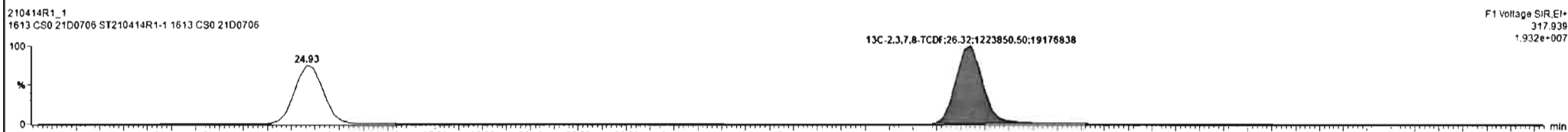
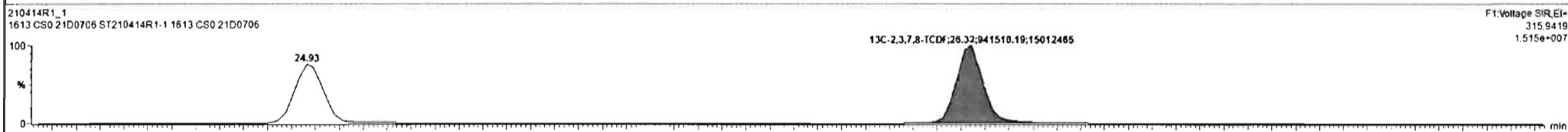
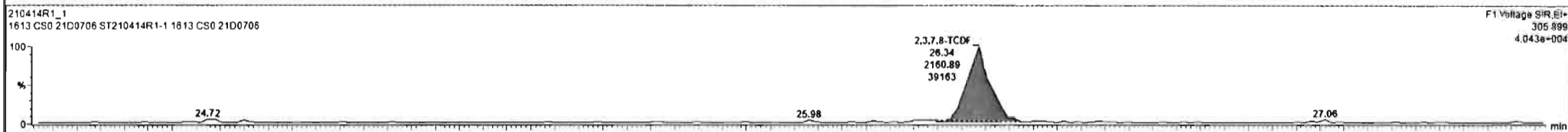
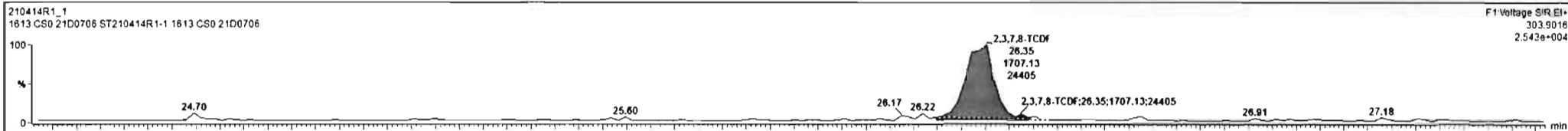


TargetLynx - 210414R1\_CRV.qhd - Chromatogram

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210414R1\_1 - ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

#	Name	RT	RA	Yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HxCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.796	NO	3.9650e3	2.1654e6	0.250	-4.3	8.28	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6862e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



Regb 210414R1\_1 CAP NUM

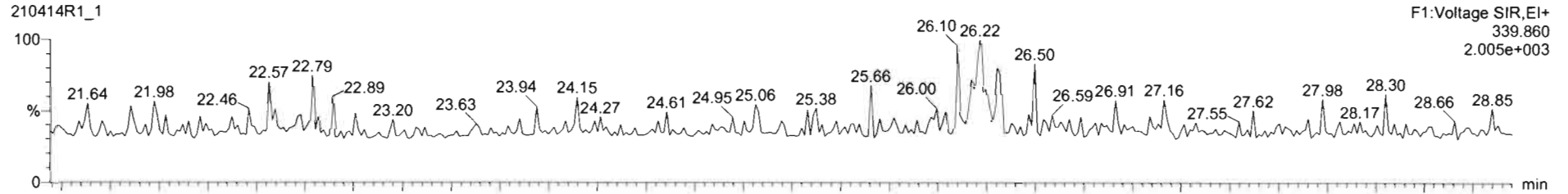
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

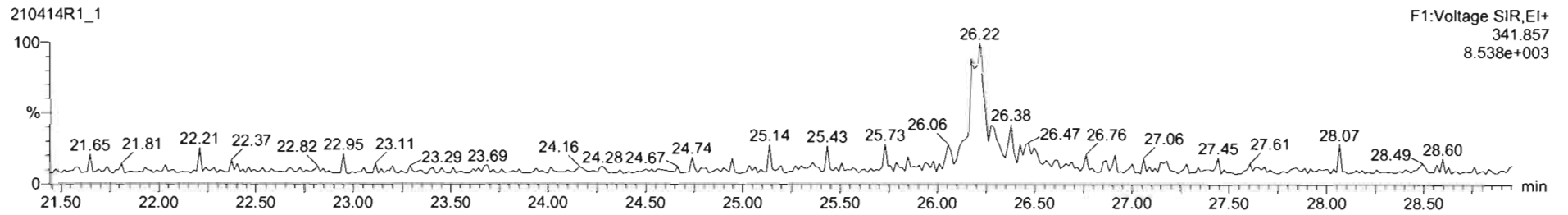
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1st Func. Penta-Furans

210414R1\_1

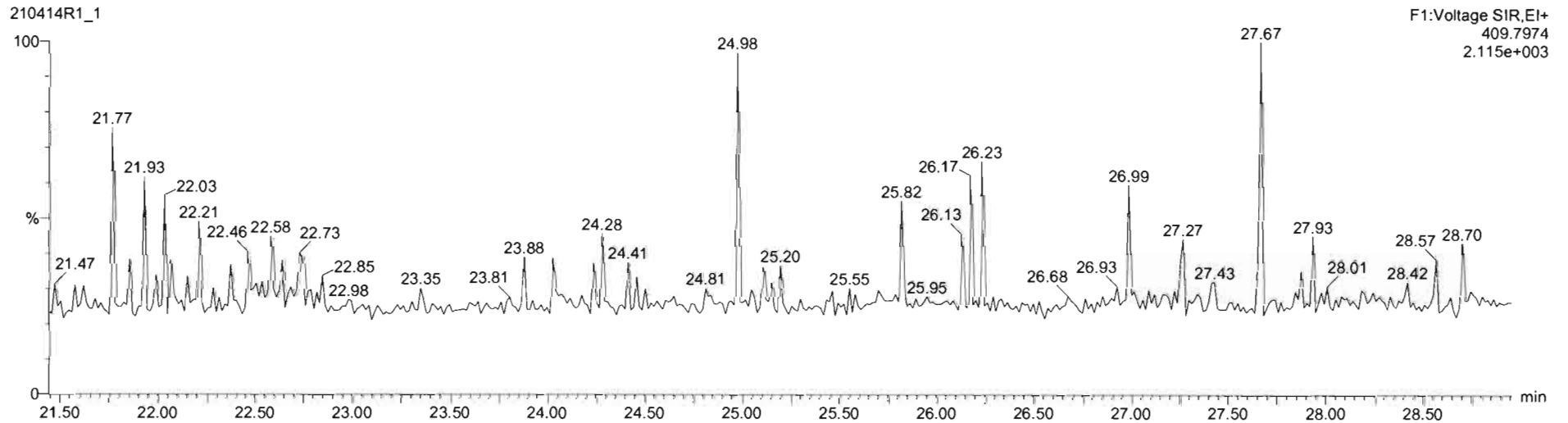


210414R1\_1



DPE6

210414R1\_1



Dataset: Untitled

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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

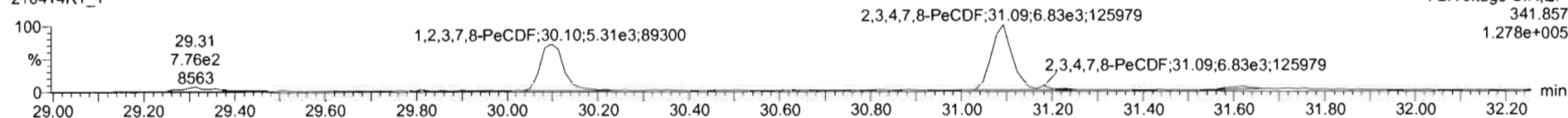
**1,2,3,7,8-PeCDF**

210414R1\_1



F2:Voltage SIR,EI+  
339.860  
1.867e+005

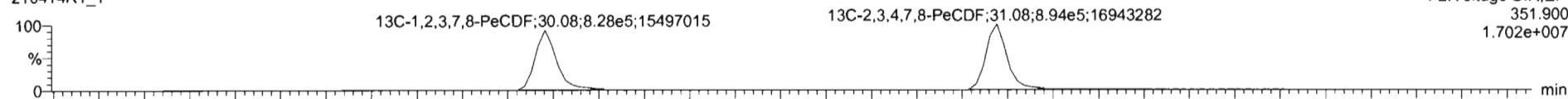
210414R1\_1



F2:Voltage SIR,EI+  
341.857  
1.278e+005

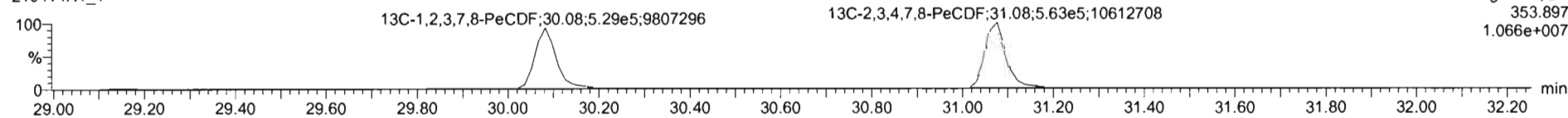
**13C-1,2,3,7,8-PeCDF**

210414R1\_1



F2:Voltage SIR,EI+  
351.900  
1.702e+007

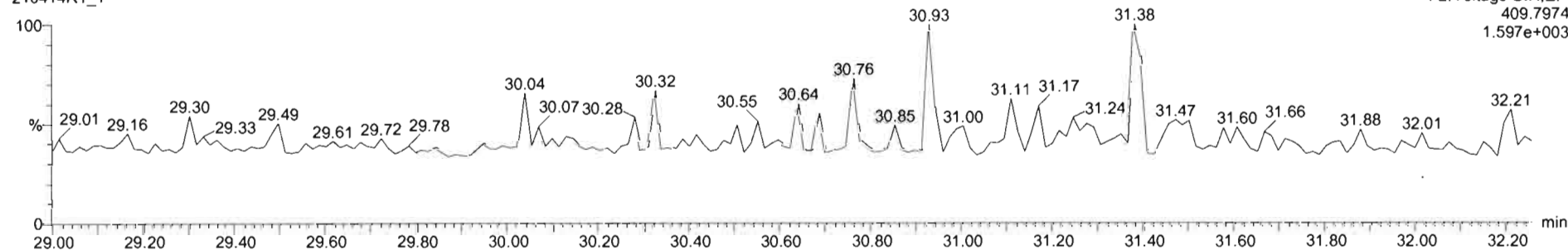
210414R1\_1



F2:Voltage SIR,EI+  
353.897  
1.066e+007

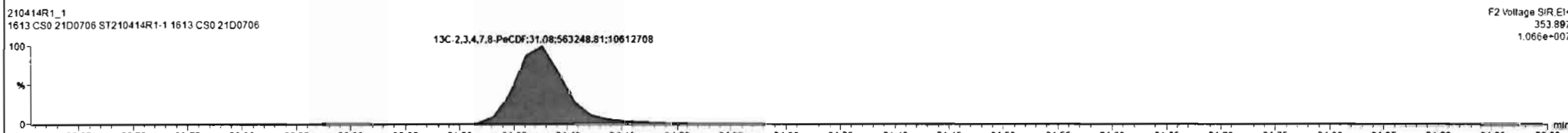
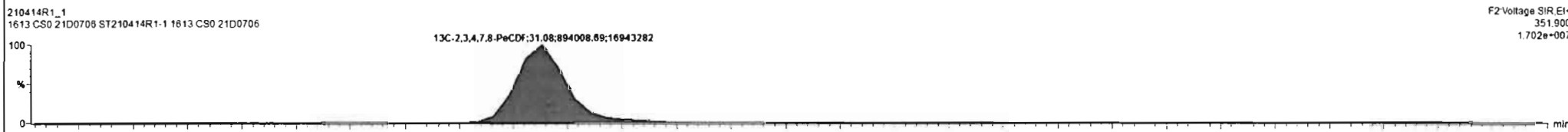
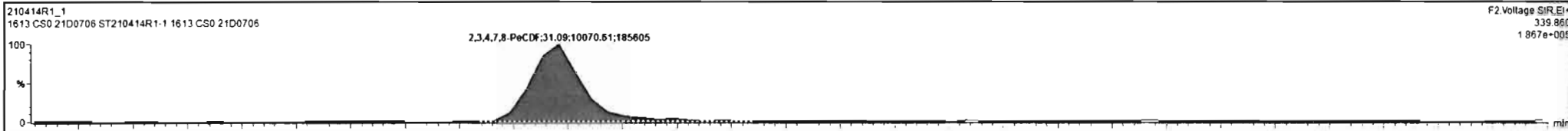
**DPE2**

210414R1\_1



F2:Voltage SIR,EI+  
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1.597e+003

#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HxCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.8882e4	1.4573e6	1.250	-3.8	7.91	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



Regdx

210414R1\_1

CAP NUM



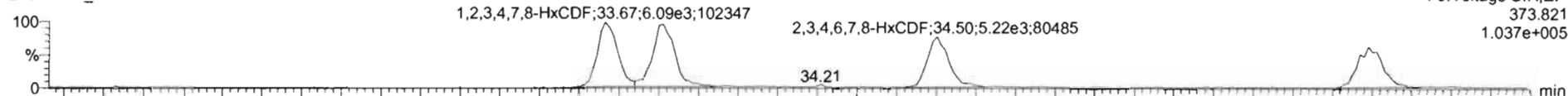
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

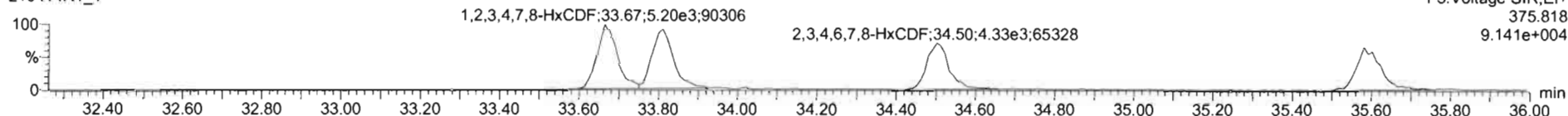
Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

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

210414R1\_1

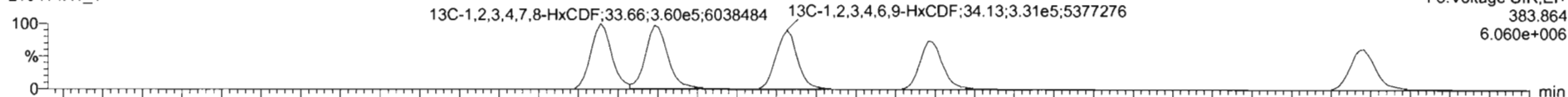


210414R1\_1

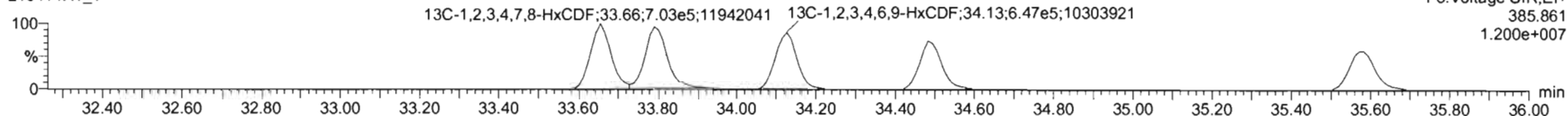


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_1

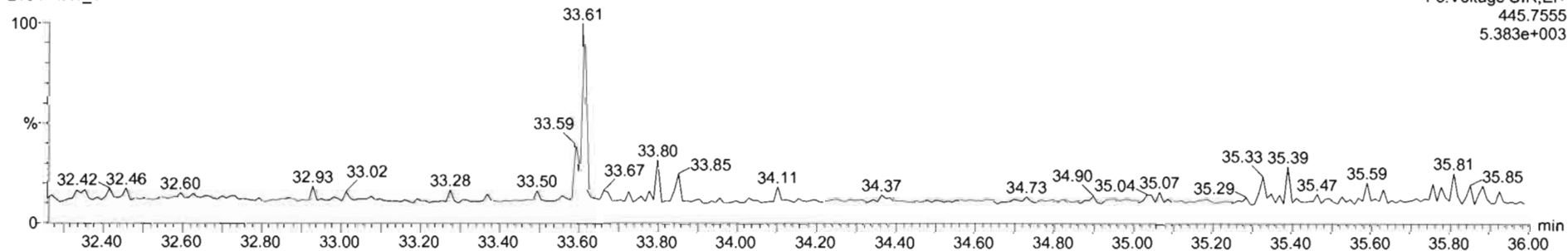


210414R1\_1

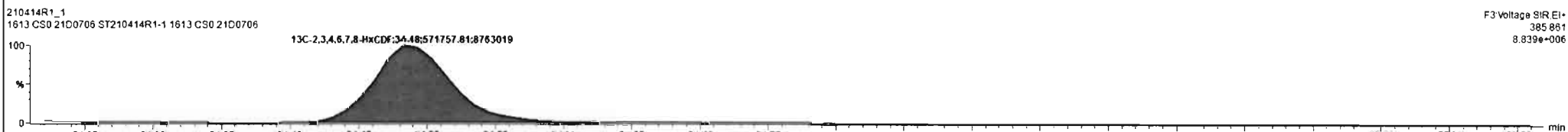
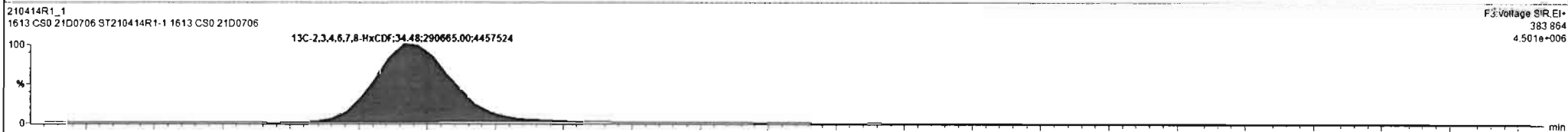
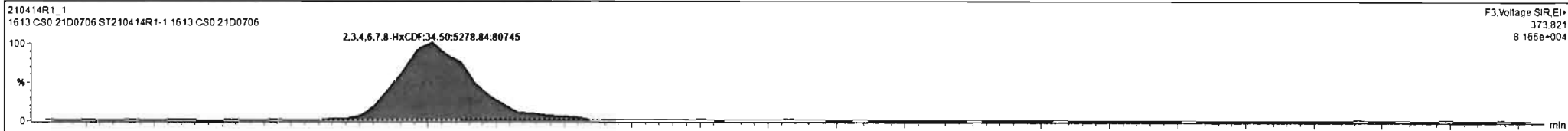


**DPE3**

210414R1\_1



#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	6.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	6.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.31	1.021	NO	8.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6882e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.78	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	8.5902e3	6.6249e5	1.250	-8.5	8.41	0.973	0.0818

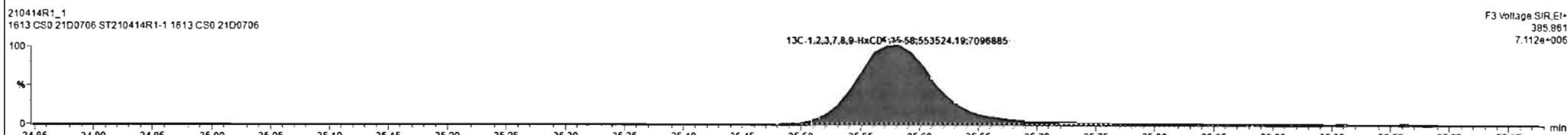
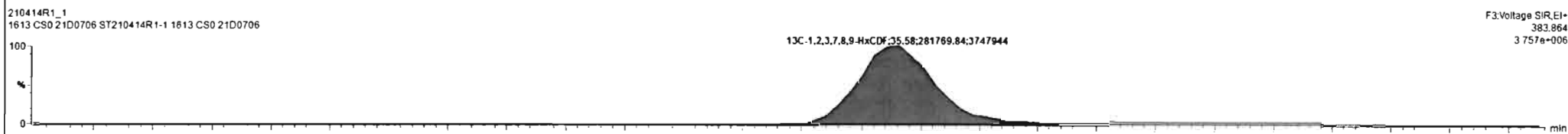
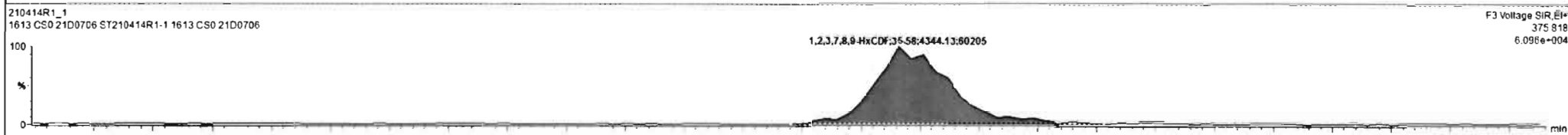


TargetLyx - 210414R1\_CRV.qtd - Chromatogram

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210414R1\_1 ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

#	Name	RT	RA	ym	Area	IS Area	Std Conc	NDev	NRSD	RRF M	RRF SD
14	1,2,3,7,8,9-HxCDF	35.59	1.156	NO	9.3601e3	8.3529e5	1.250	-4.6	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.17	1.018	NO	7.3127e3	6.0094e5	1.250	-7.1	8.33	1.05	0.0873
16	1,2,3,4,7,8,9-HpCDF	38.95	0.919	NO	6.4893e3	5.3180e5	1.250	-6.6	8.40	1.05	0.0879
17	OCDF	41.65	0.893	NO	1.2322e4	1.3632e6	2.500	-6.2	7.94	0.771	0.0612
18	13C-2,3,7,8-TCDD	26.91	0.781	NO	1.3106e6	1.3704e6	100.000	-13.4	8.43	1.10	0.0930
19	13C-1,2,3,7,8-PeCDD	31.24	0.636	NO	1.0270e6	1.3704e6	100.000	-13.2	10.5	0.864	0.0903
20	13C-1,2,3,4,7,8-HxCDD	34.59	1.283	NO	6.5523e5	9.7746e5	100.000	-10.2	8.73	0.746	0.0651
21	13C-1,2,3,6,7,8-HxCDD	34.72	1.294	NO	7.4877e5	9.7746e5	100.000	-9.5	9.12	0.847	0.0773
22	13C-1,2,3,7,8,9-HxCDD	35.02	1.259	NO	7.4924e5	9.7746e5	100.000	-11.7	8.65	0.868	0.0751
23	13C-1,2,3,4,6,7,8-HpCDD	38.28	1.036	NO	6.0817e5	9.7746e5	100.000	-6.3	10.1	0.664	0.0671
24	13C-OCDD	41.30	0.918	NO	1.0908e6	9.7746e5	200.000	-0.5	9.52	0.561	0.0534
25	13C-2,3,7,8-TCDF	26.32	0.769	NO	2.1654e6	1.7790e6	100.000	11.3	5.78	1.09	0.0632
26	13C-1,2,3,7,8-PeCDF	30.08	1.585	NO	1.3567e6	1.7790e6	100.000	-5.8	6.47	0.809	0.0524



Regdy 210414R1\_1 CAP\_NUM

Dataset: Untitled

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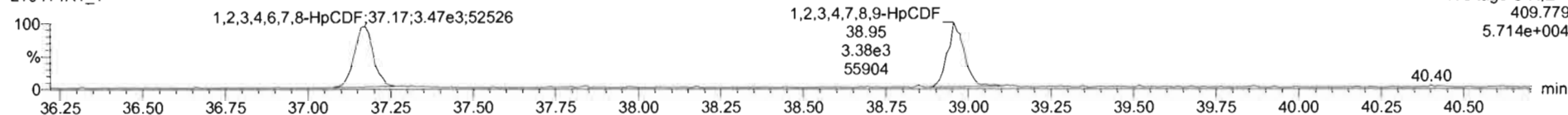
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_1

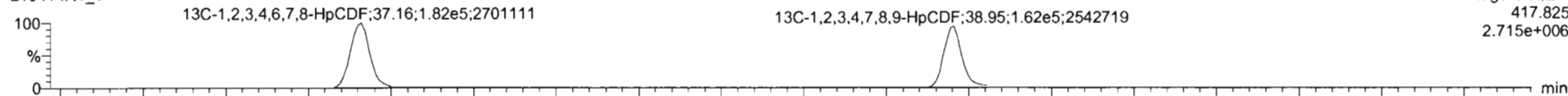


210414R1\_1

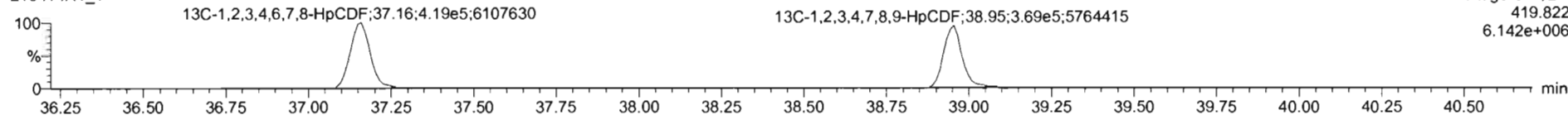


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_1

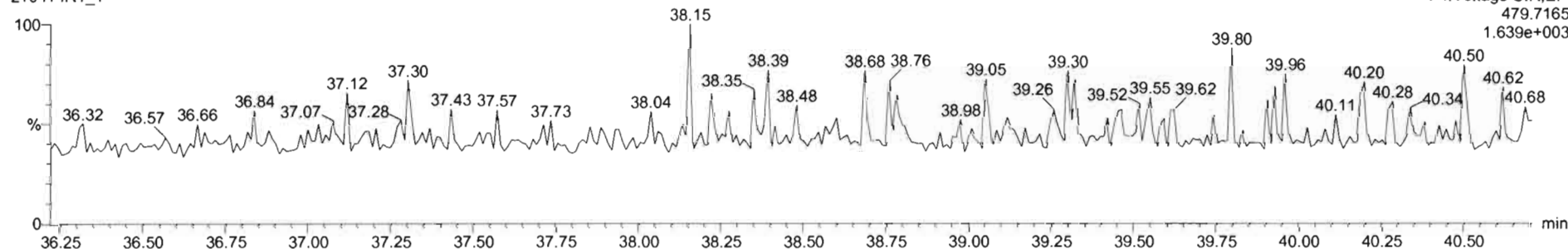


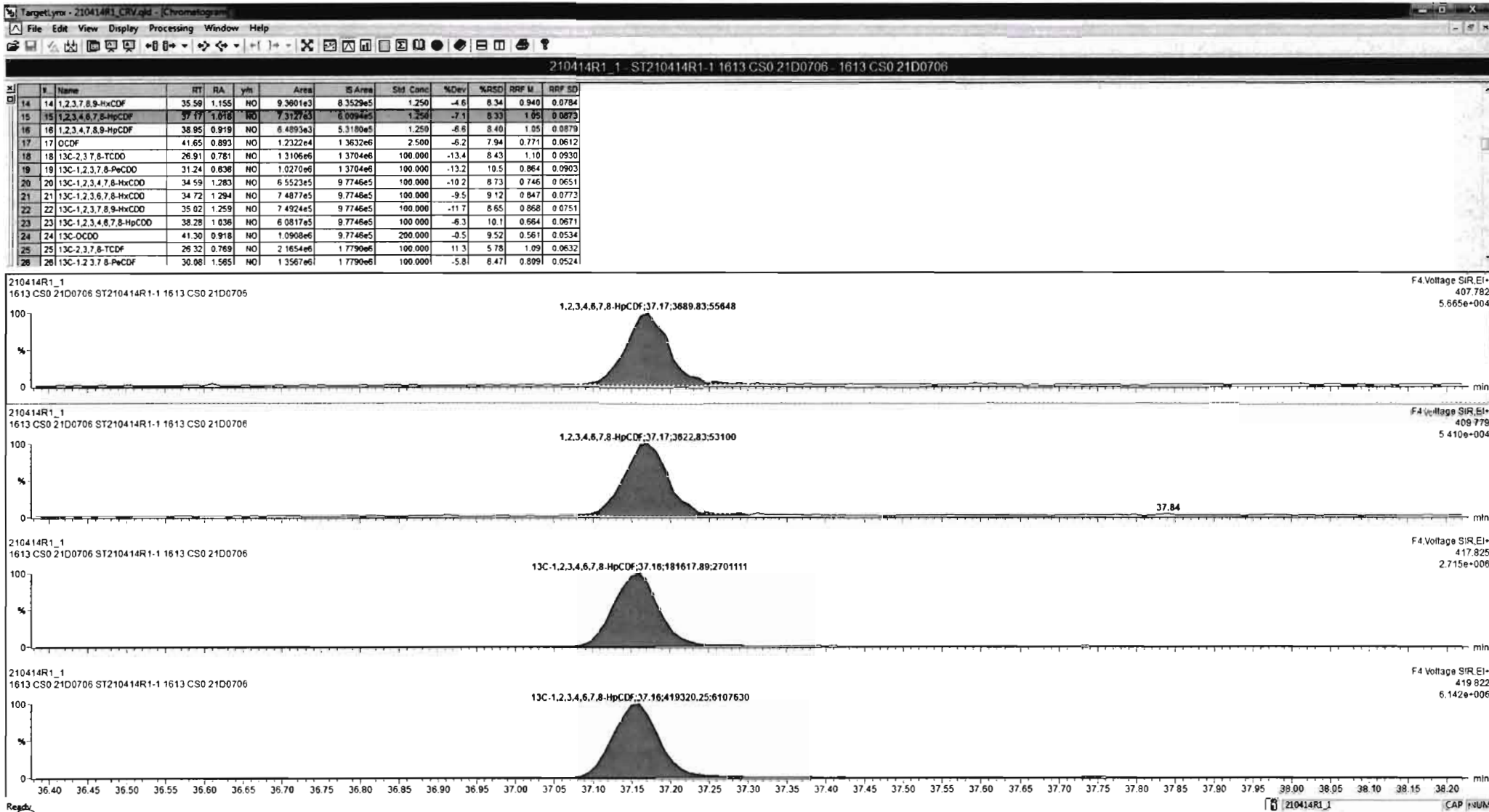
210414R1\_1



**DPE4**

210414R1\_1





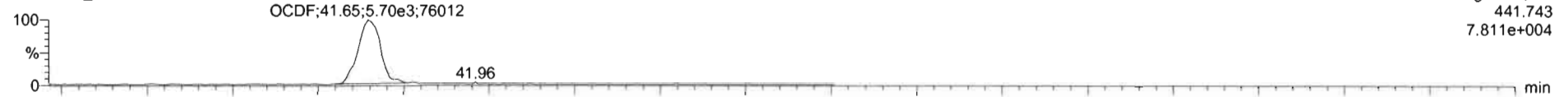
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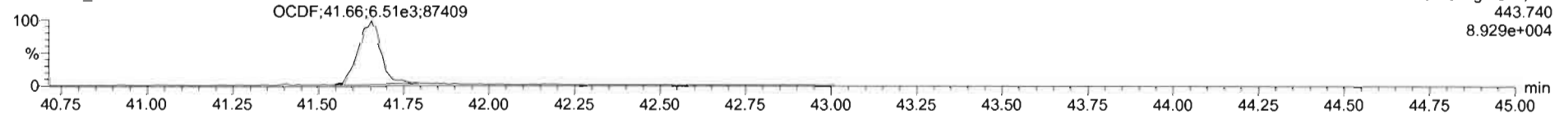
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**OCDF**

210414R1\_1

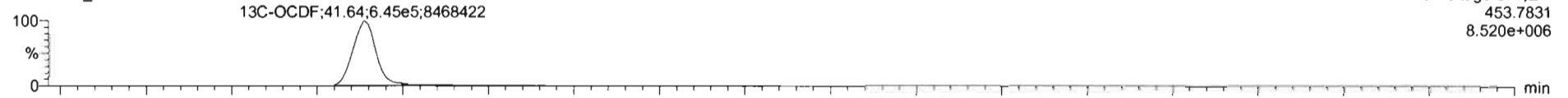


210414R1\_1

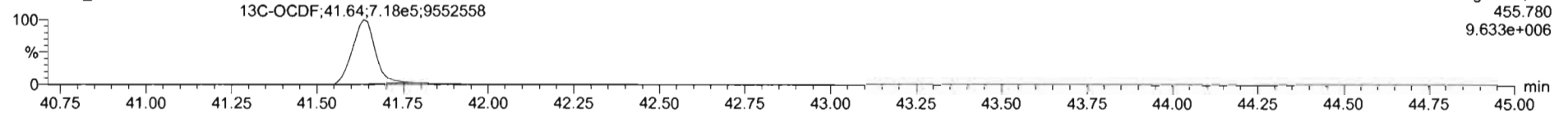


**13C-OCDF**

210414R1\_1

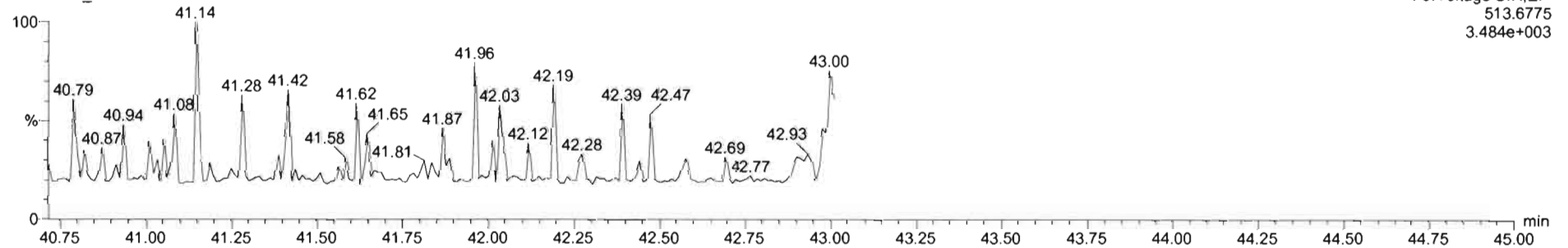


210414R1\_1

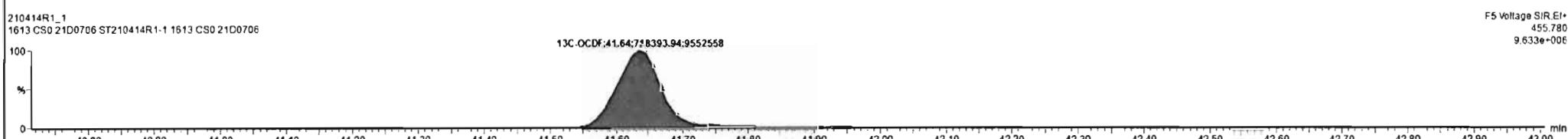
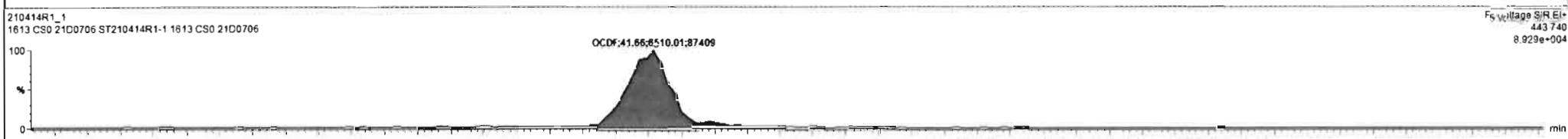
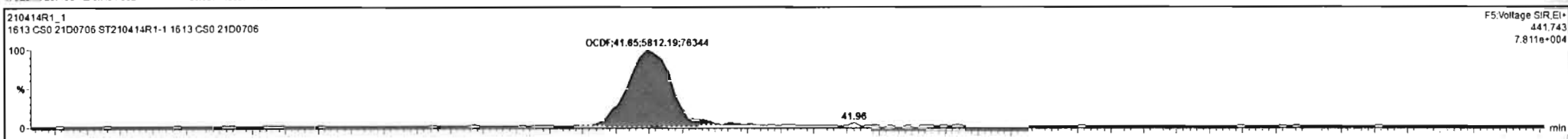


**DPE5**

210414R1\_1



#	Name	RT	SA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
14	1,2,3,7,8,9-HxCDF	35.59	1.155	NO	9.9601e3	8.3529e5	1.250	-4.6	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.17	1.018	NO	7.3127e3	6.0094e5	1.250	-7.1	8.33	1.05	0.0873
16	1,2,3,4,7,8,9-HpCDF	38.95	0.919	NO	6.4893e3	5.3180e5	1.250	-6.6	8.40	1.05	0.0879
17	OCDF	41.65	0.893	NO	1.2322e4	1.3632e6	2.500	-6.2	7.94	0.771	0.0612
18	13C-2,3,7,8-TCDD	26.91	0.781	NO	1.3106e6	1.3704e6	100.000	-13.4	8.43	1.10	0.0930
19	13C-1,2,3,7,8-PeCDD	31.24	0.638	NO	1.0270e6	1.3704e6	100.000	-13.2	10.5	0.864	0.0903
20	13C-1,2,3,4,7,8-HxCDD	34.59	1.283	NO	6.5523e5	9.7746e5	100.000	-10.2	8.73	0.746	0.0651
21	13C-1,2,3,6,7,8-HxCDD	34.72	1.294	NO	7.4877e5	9.7746e5	100.000	-9.5	9.12	0.847	0.0773
22	13C-1,2,3,7,8,9-HxCDD	35.02	1.259	NO	7.4924e5	9.7746e5	100.000	-11.7	8.65	0.868	0.0751
23	13C-1,2,3,4,6,7,8-HpCDD	38.28	1.038	NO	6.0817e5	9.7746e5	100.000	-6.3	10.1	0.664	0.0671
24	13C-OCDD	41.30	0.918	NO	1.0908e6	9.7746e5	200.000	-0.5	9.52	0.561	0.0534
25	13C-2,3,7,8-TCDF	26.32	0.769	NO	2.1654e6	1.7790e6	100.000	11.3	5.78	1.09	0.0632
26	13C-1,2,3,7,8-PeCDF	30.08	1.565	NO	1.3567e6	1.7790e6	100.000	-5.8	6.47	0.809	0.0524



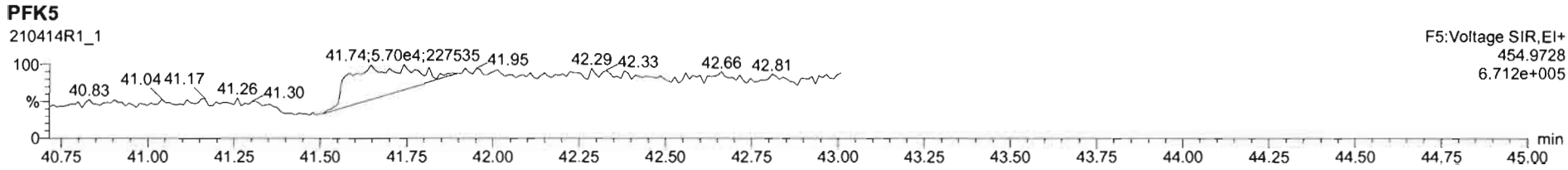
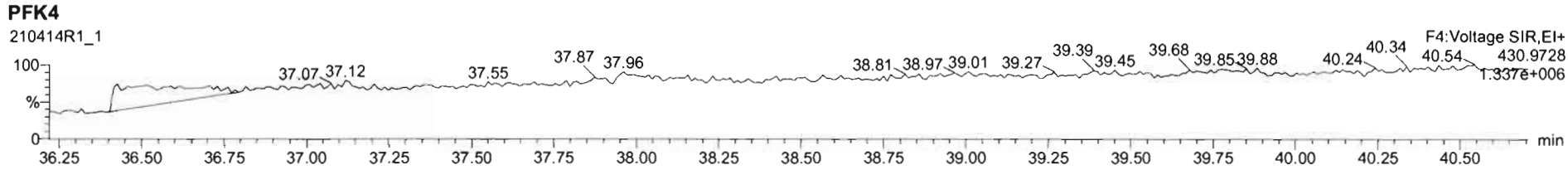
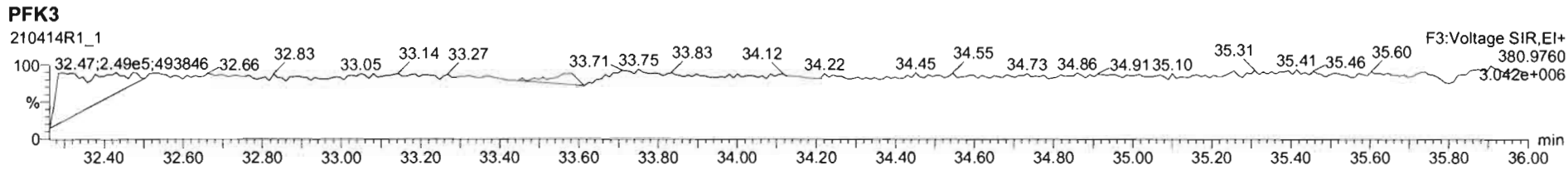
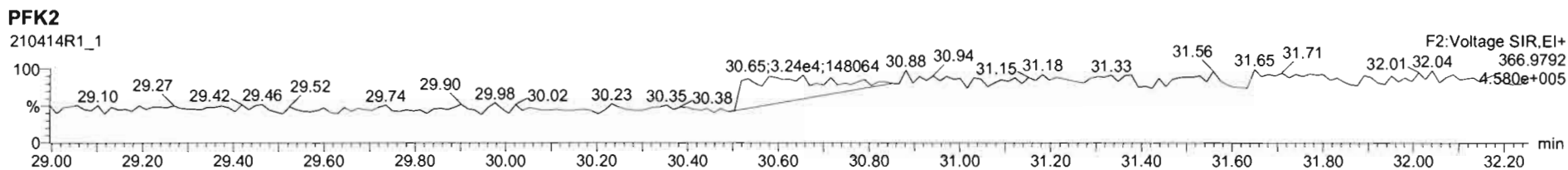
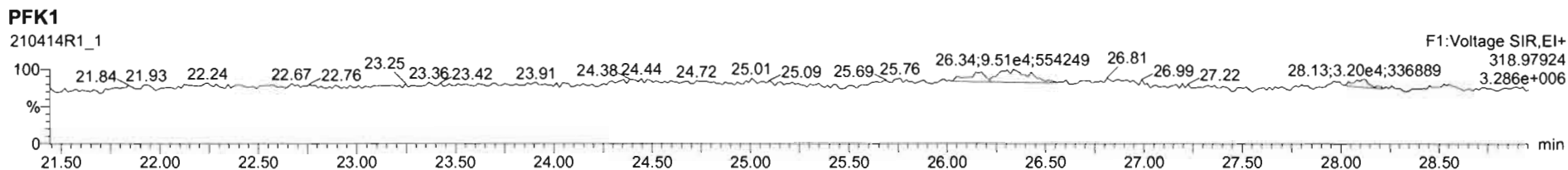
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210414R1\_1 CAP INUM

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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706





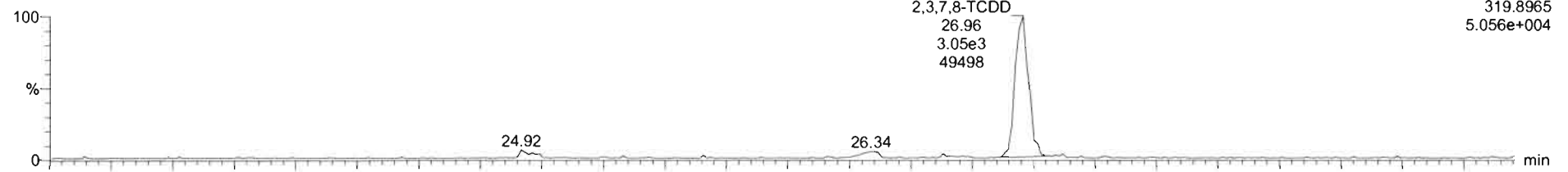
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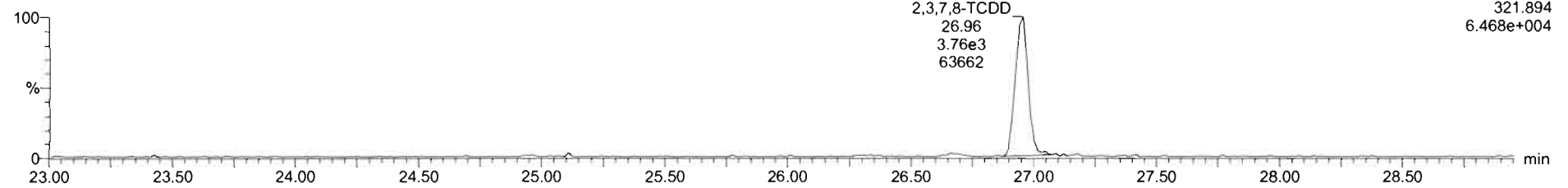
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**2,3,7,8-TCDD**

210414R1\_2

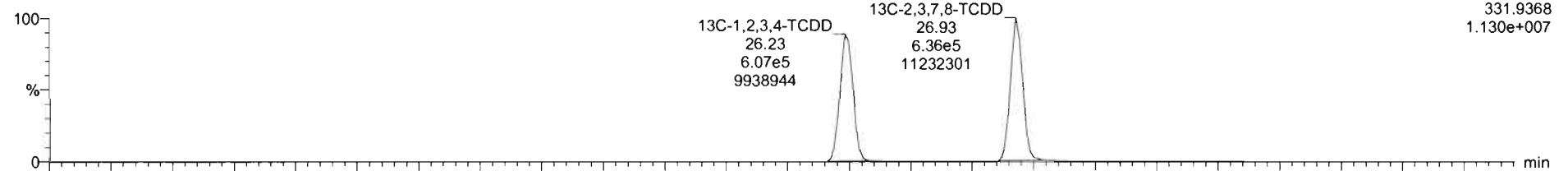


210414R1\_2

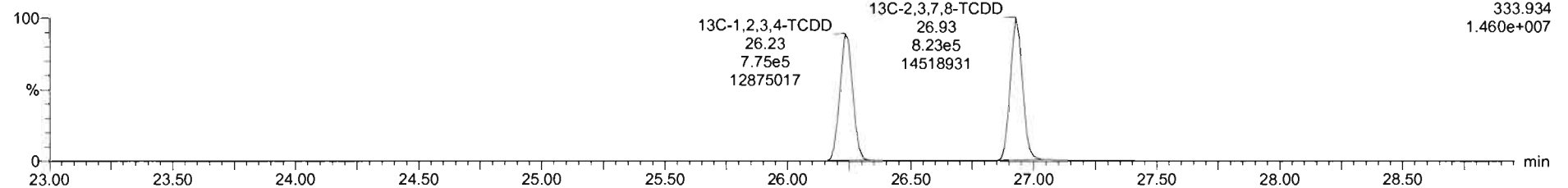


**13C-2,3,7,8-TCDD**

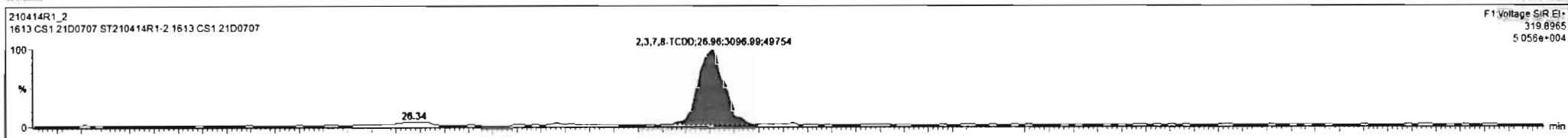
210414R1\_2



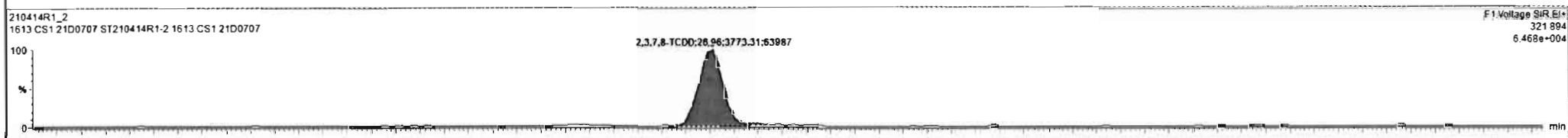
210414R1\_2



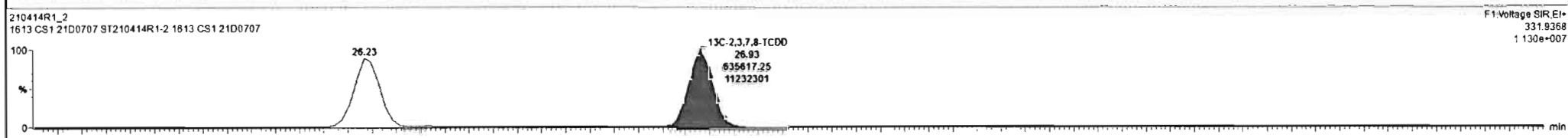
#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc.	%Dev	NRSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0629
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	6.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	36.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3380e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	6.41	0.973	0.0818



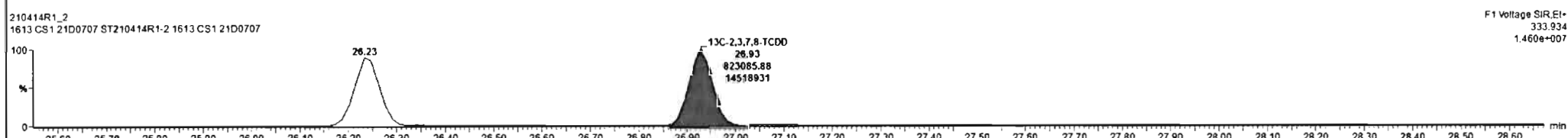
F1: Voltage SIR, EI+  
319.8965  
5.056e+004



F1: Voltage SIR, EI+  
321.894  
6.468e+004



F1: Voltage SIR, EI+  
331.9368  
1.130e+007



F1: Voltage SIR, EI+  
333.934  
1.460e+007

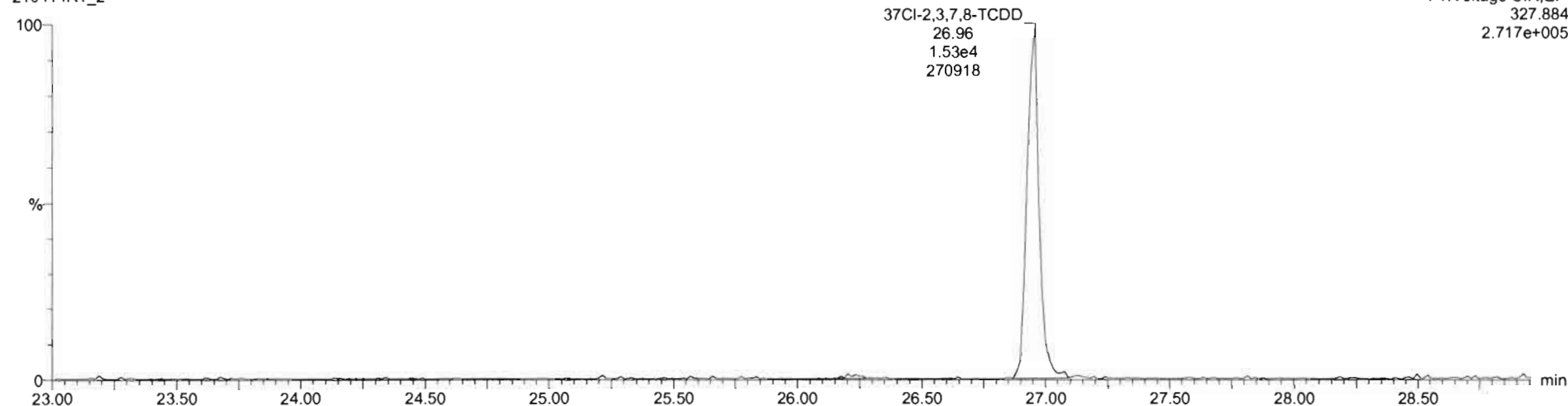
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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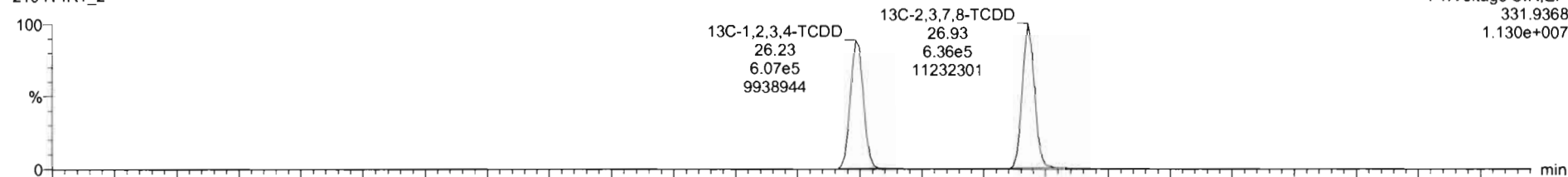
**37Cl-2,3,7,8-TCDD**

210414R1\_2

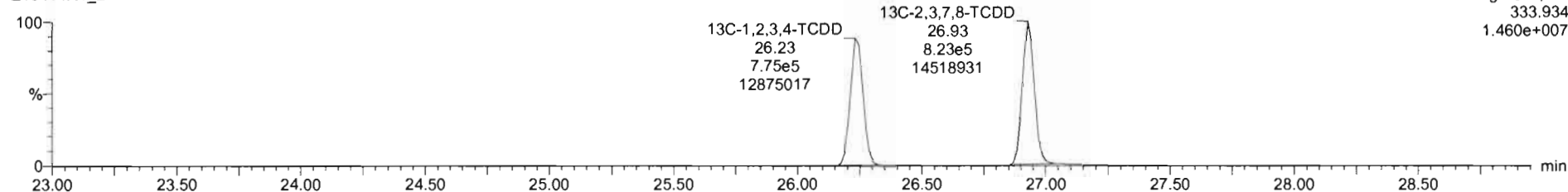


**13C-1,2,3,4-TCDD**

210414R1\_2



210414R1\_2



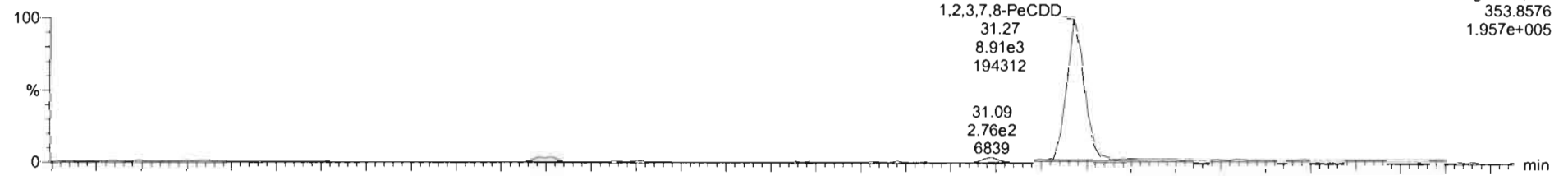
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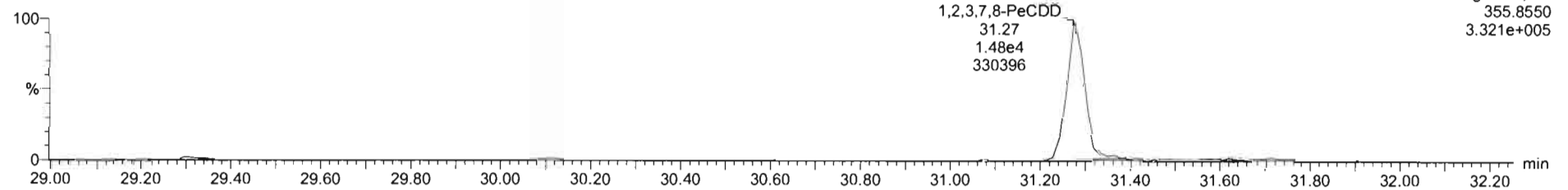
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**1,2,3,7,8-PeCDD**

210414R1\_2

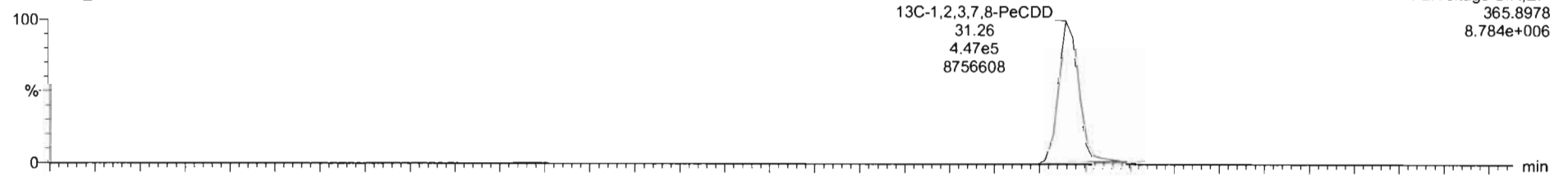


210414R1\_2

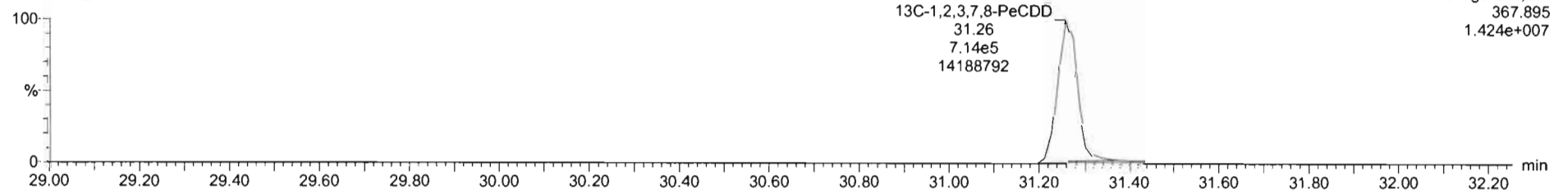


**13C-1,2,3,7,8-PeCDD**

210414R1\_2



210414R1\_2



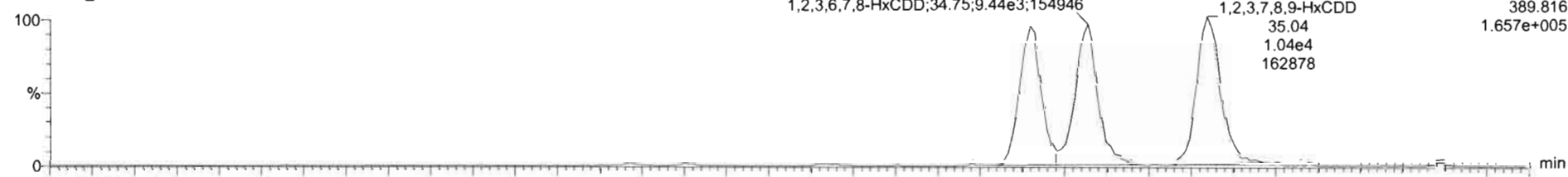
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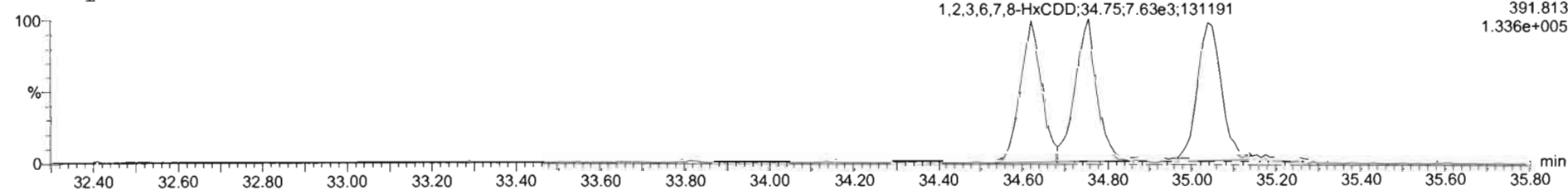
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**1,2,3,4,7,8-HxCDD**

210414R1\_2

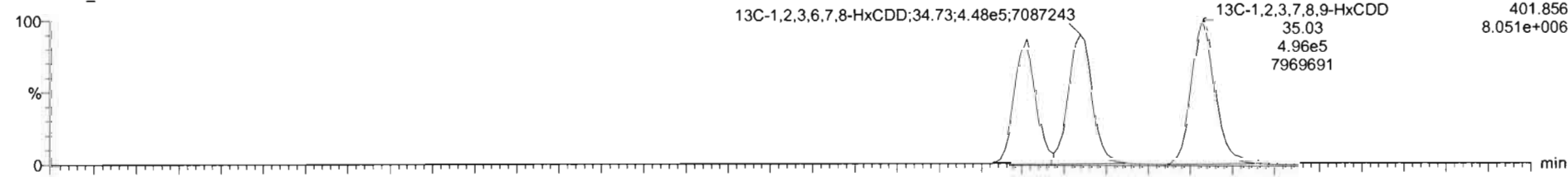


210414R1\_2

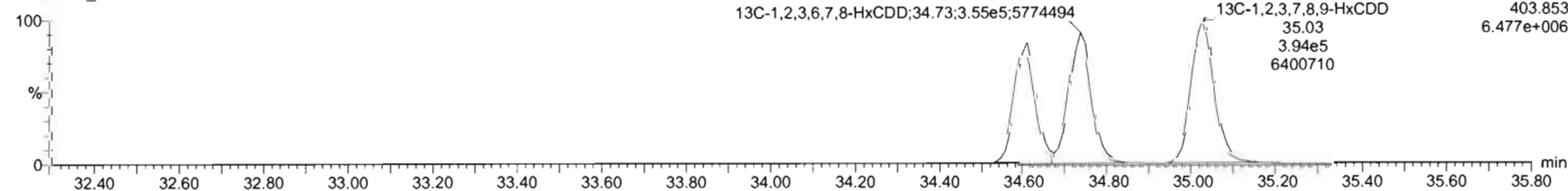


**13C-1,2,3,4,7,8-HxCDD**

210414R1\_2



210414R1\_2



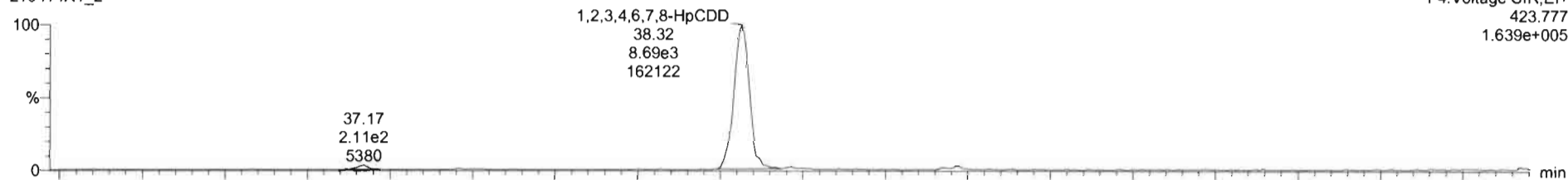
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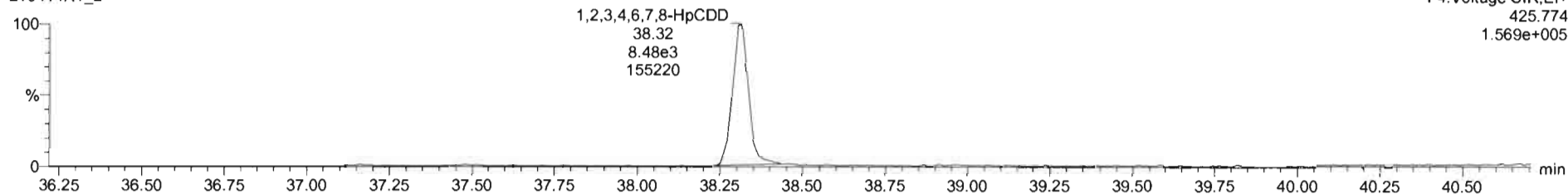
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**1,2,3,4,6,7,8-HpCDD**

210414R1\_2

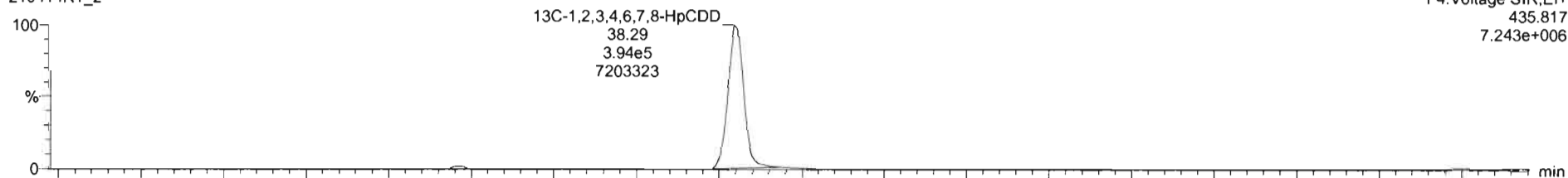


210414R1\_2

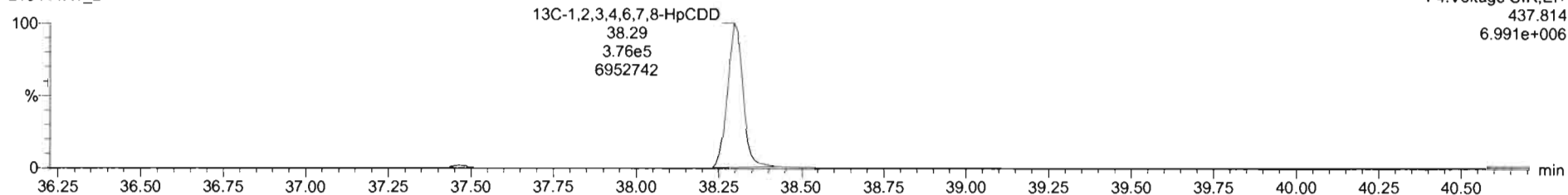


**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_2



210414R1\_2



Dataset: Untitled

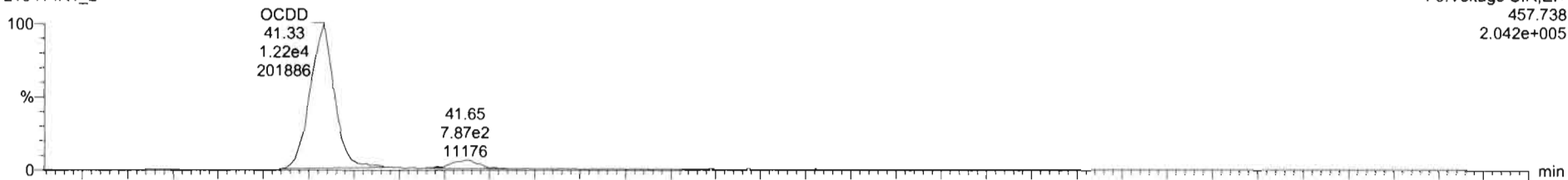
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**OCDD**

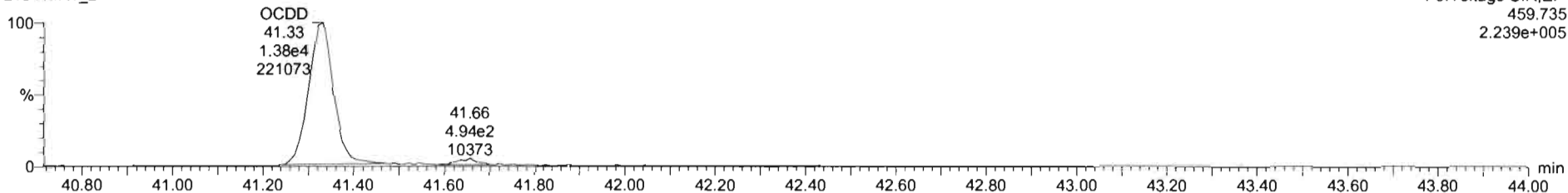
210414R1\_2

F5:Voltage SIR,EI+  
457.738  
2.042e+005



210414R1\_2

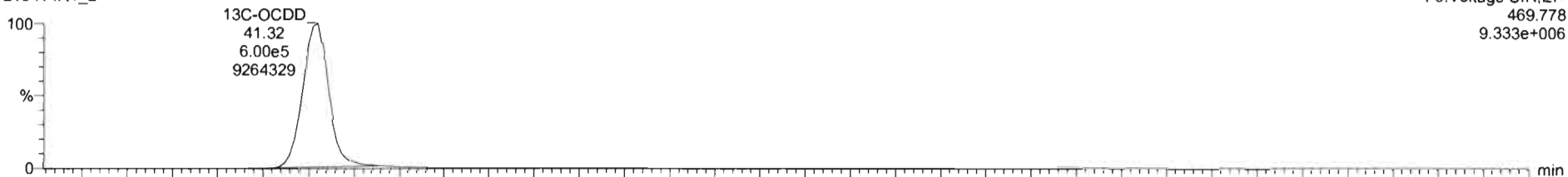
F5:Voltage SIR,EI+  
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2.239e+005



**13C-OCDD**

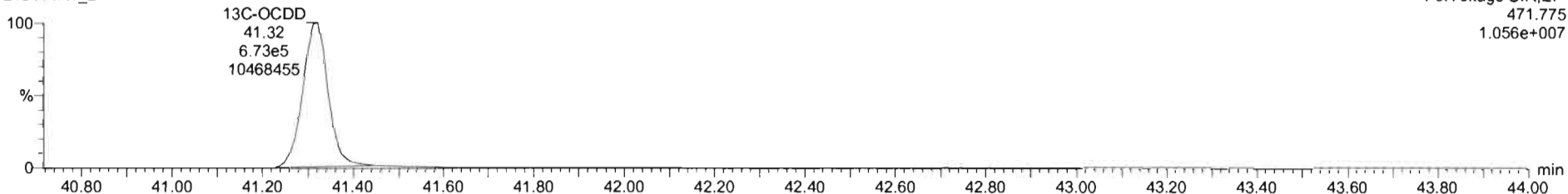
210414R1\_2

F5:Voltage SIR,EI+  
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9.333e+006



210414R1\_2

F5:Voltage SIR,EI+  
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Dataset: Untitled

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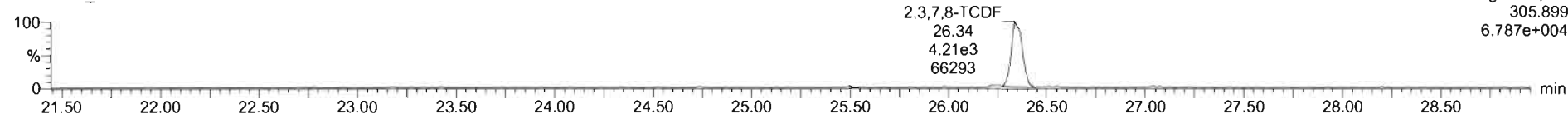
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**2,3,7,8-TCDF**

210414R1\_2

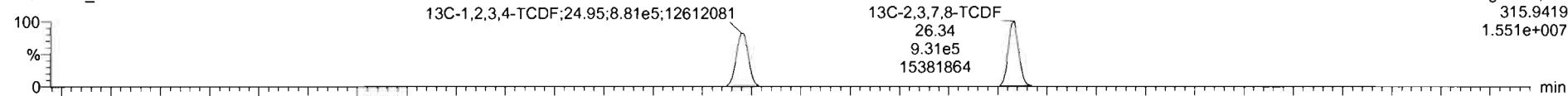


210414R1\_2

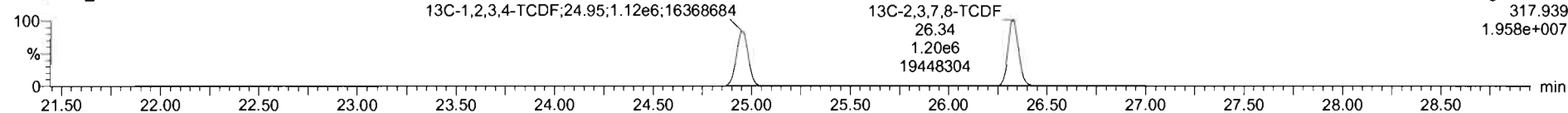


**13C-2,3,7,8-TCDF**

210414R1\_2

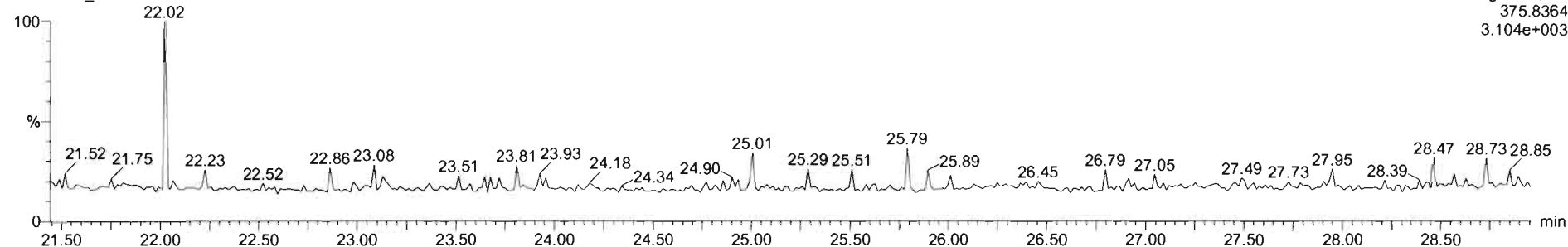


210414R1\_2



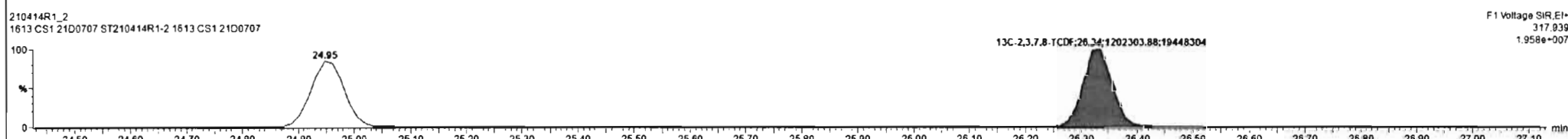
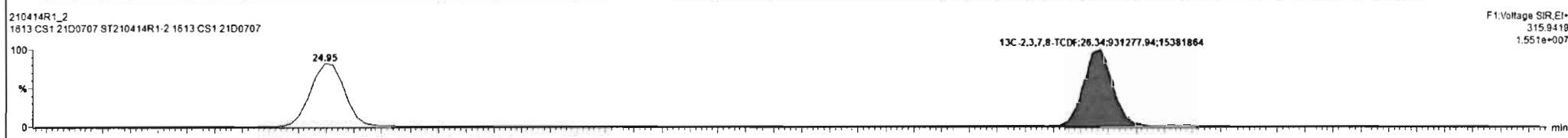
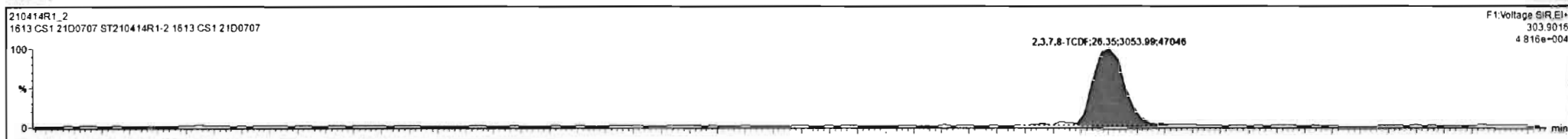
**DPE1**

210414R1\_2





#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3350e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0893
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	6.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818



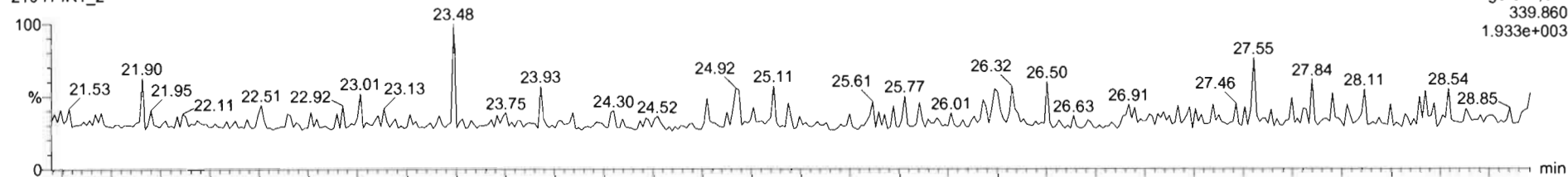
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

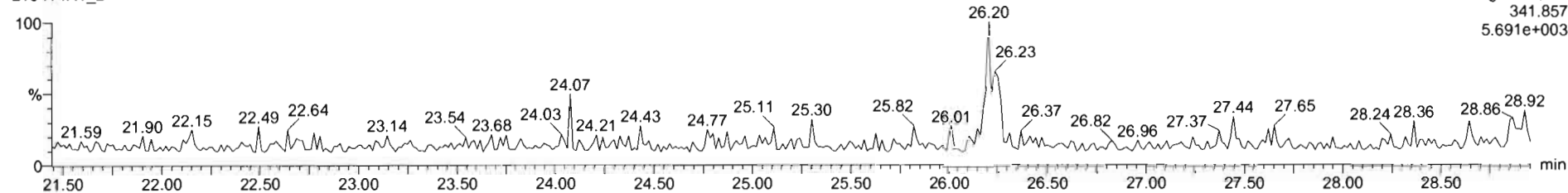
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1st Func. Penta-Furans

210414R1\_2

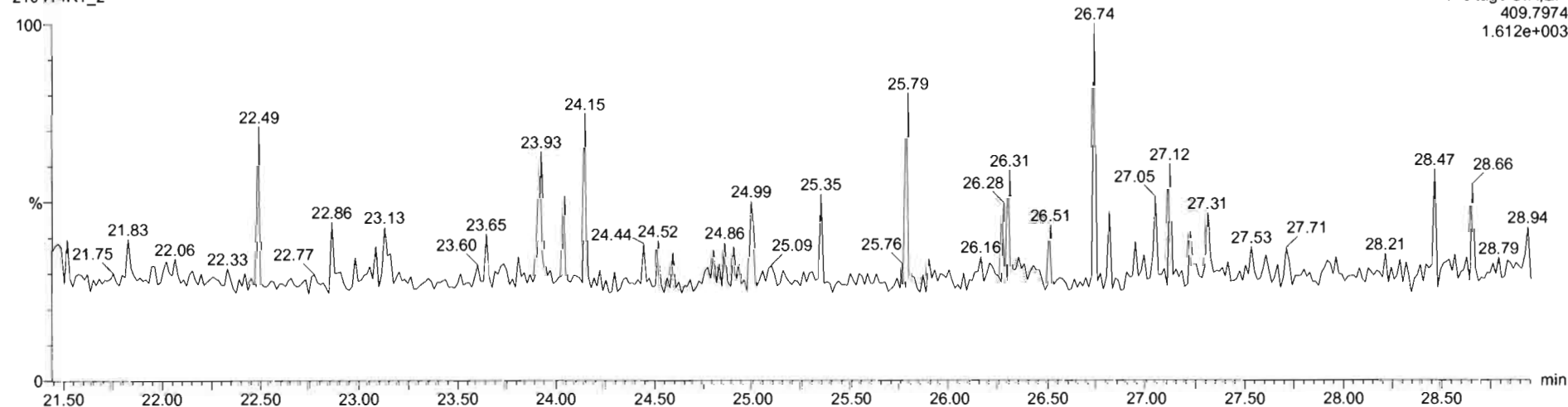


210414R1\_2



DPE6

210414R1\_2



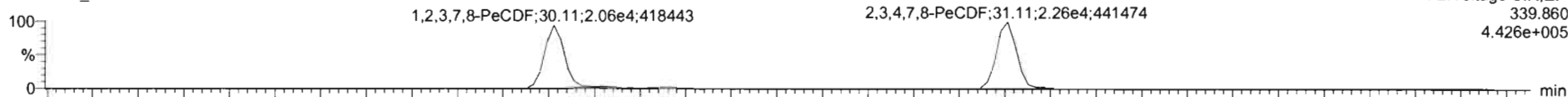
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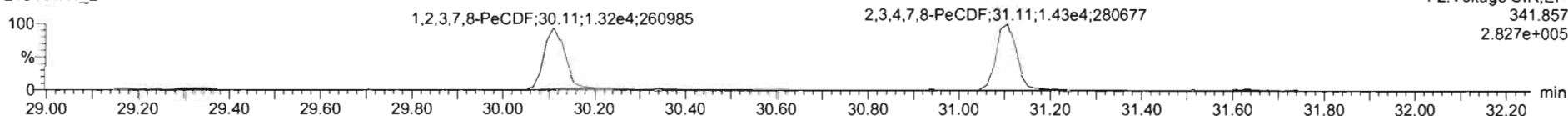
**1,2,3,7,8-PeCDF**

210414R1\_2



F2:Voltage SIR,EI+  
339.860  
4.426e+005

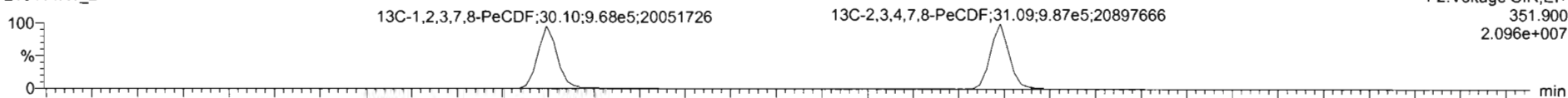
210414R1\_2



F2:Voltage SIR,EI+  
341.857  
2.827e+005

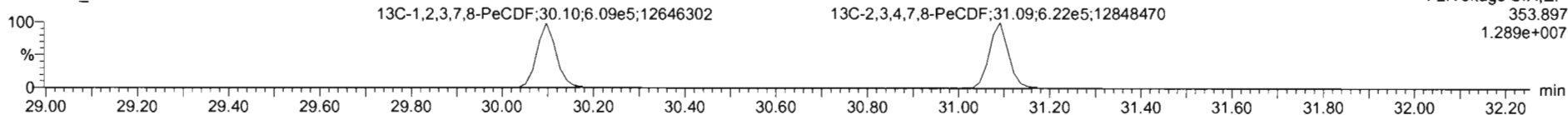
**13C-1,2,3,7,8-PeCDF**

210414R1\_2



F2:Voltage SIR,EI+  
351.900  
2.096e+007

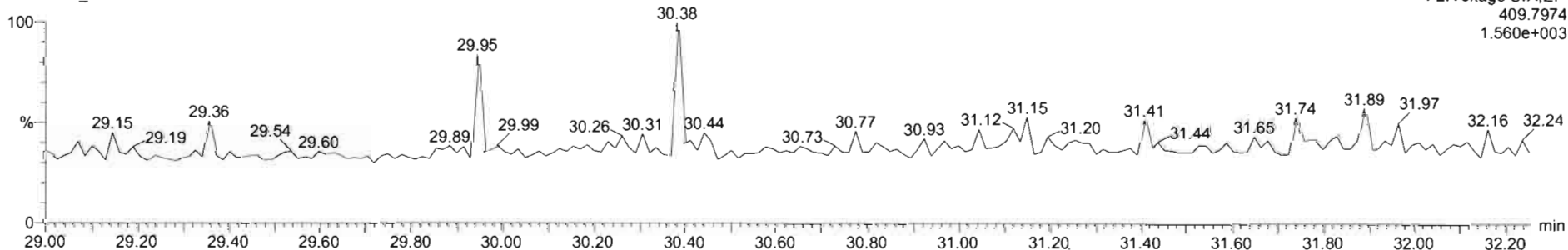
210414R1\_2



F2:Voltage SIR,EI+  
353.897  
1.289e+007

**DPE2**

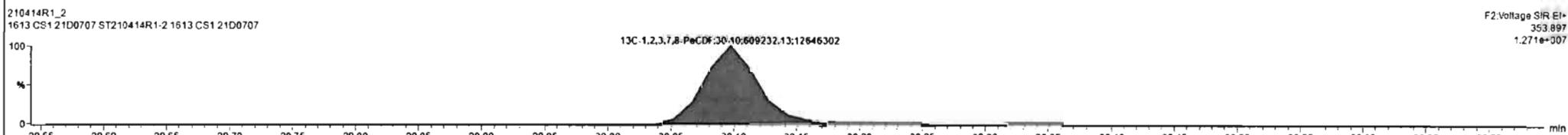
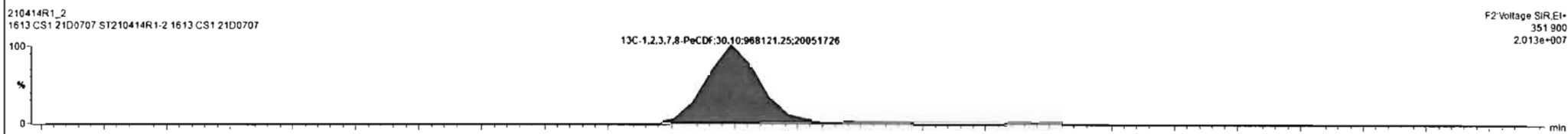
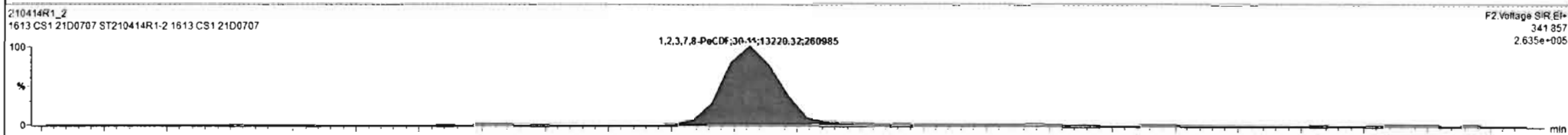
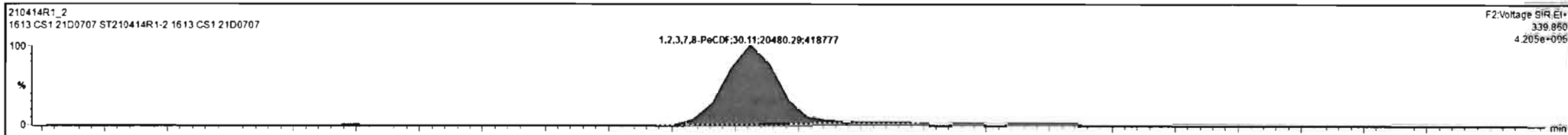
210414R1\_2



F2:Voltage SIR,EI+  
409.7974  
1.560e+003

210414R1\_2 ST210414R1-2 1613 CS1 21D0707 - 1613 CS1 21D0707

#	Name	RT	RA	Yn	Area	IS Area	Std Conc	%Dev	NRSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.96	0.821	NO	6.9703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.32	1.024	NO	1.7196e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3389e3	2.1330e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	5.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818



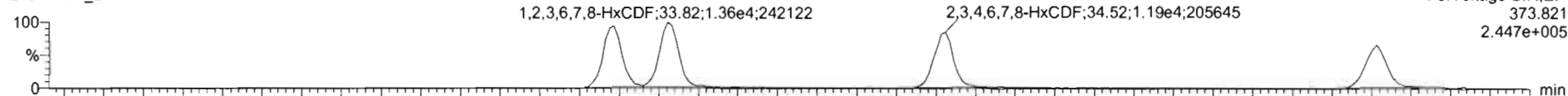
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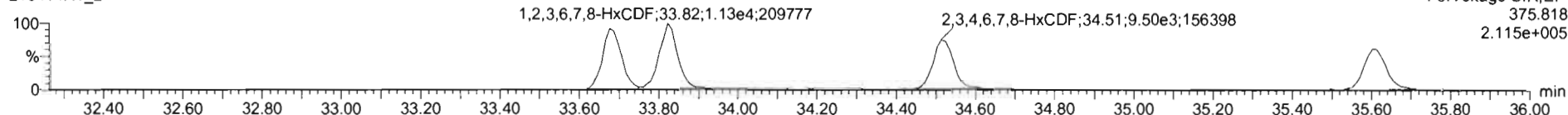
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**1,2,3,4,7,8-HxCDF**

210414R1\_2

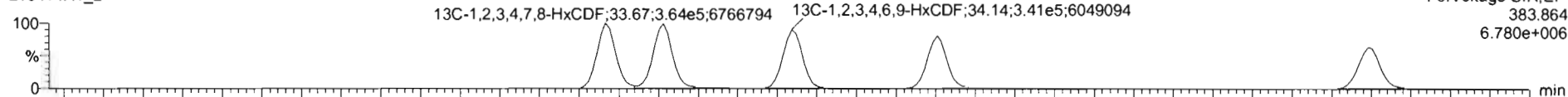


210414R1\_2

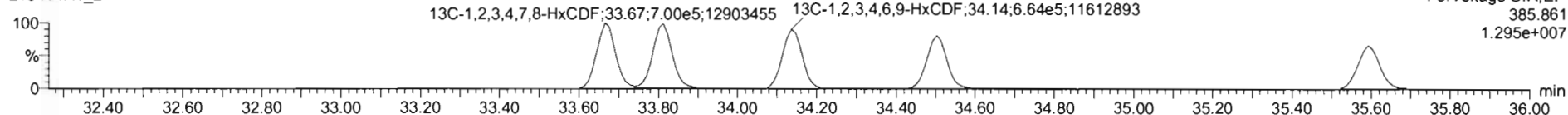


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_2

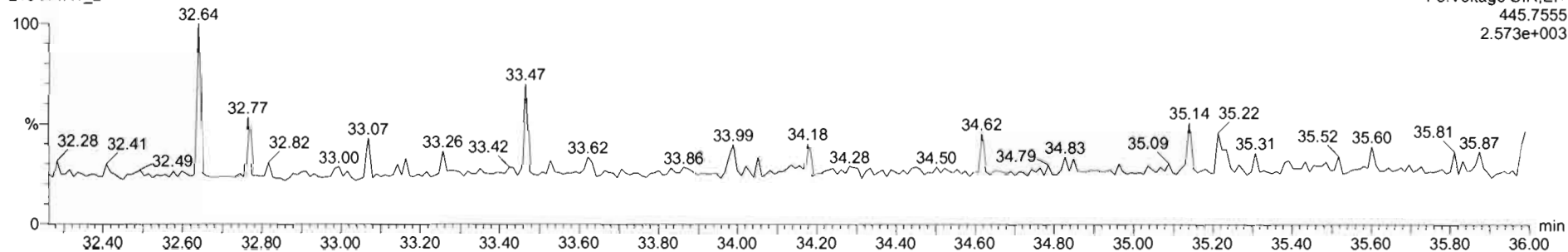


210414R1\_2

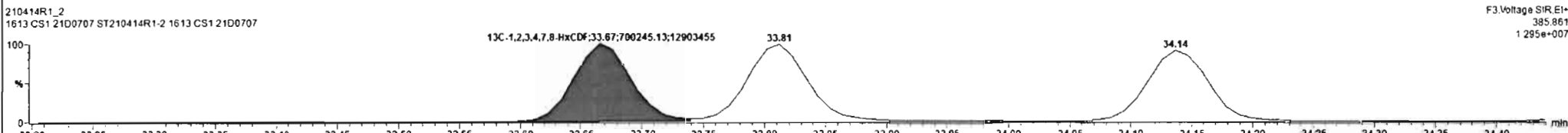
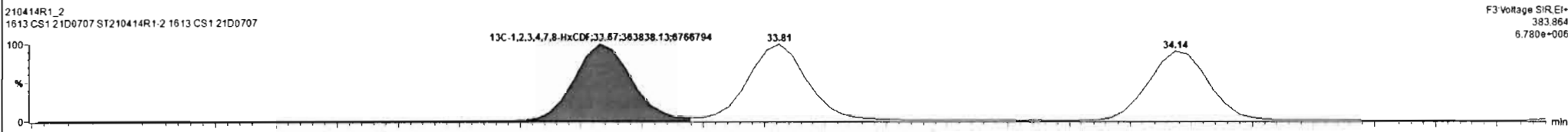
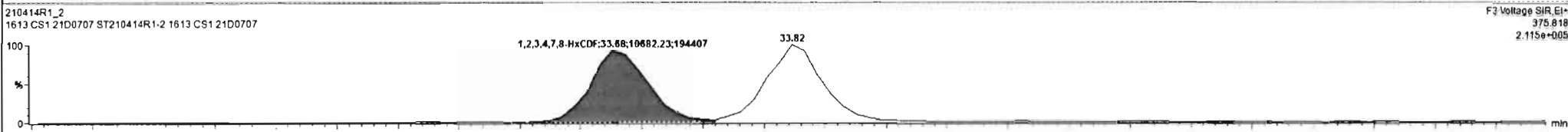
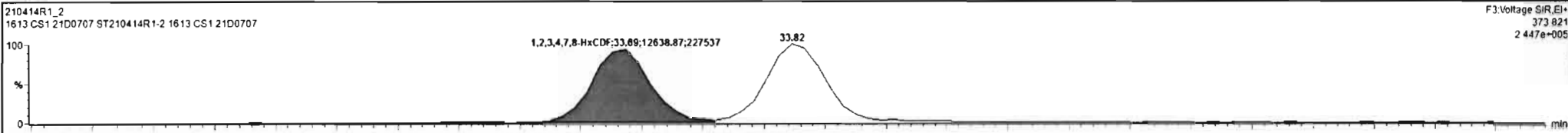


**DPE3**

210414R1\_2



#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7088e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	36.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3380e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0759
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818

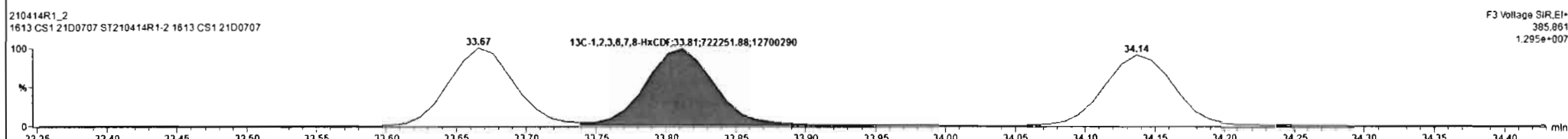
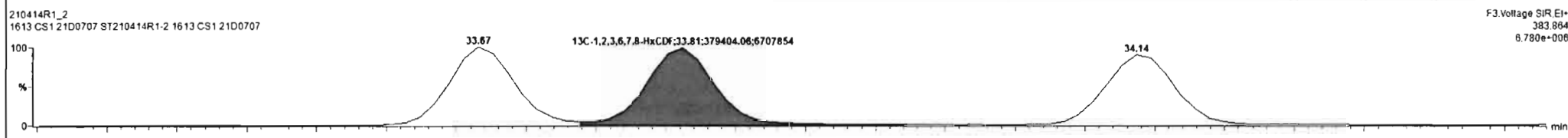
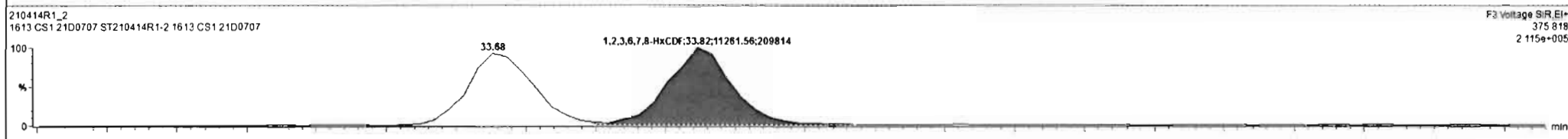
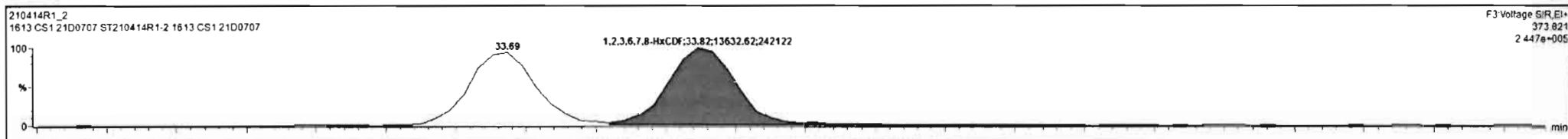


TargetLynx - 210414R1\_CNV.qtd - [Chromatogram]

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210414R1\_2 - ST210414R1-2 1613 CS1 21D0707 1613 CS1 21D0707

#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	1,2,3,7,8-TCDF	26.35	0.713	NO	7.3380e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	8.18	0.877	0.0718
10	1,2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	1,2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818



Regdv 210414R1\_2 [CAP NUM]

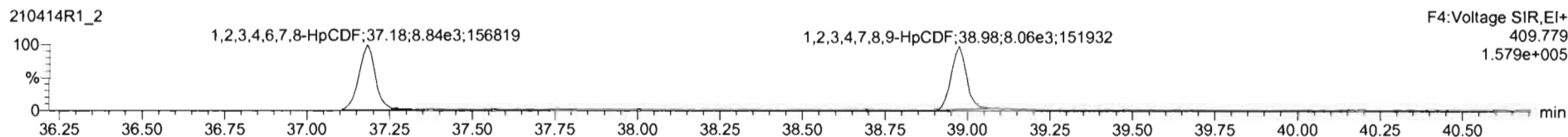
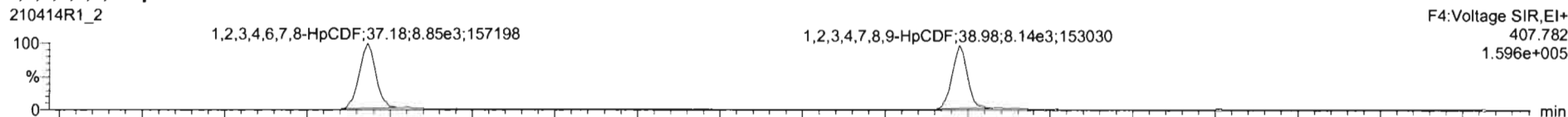


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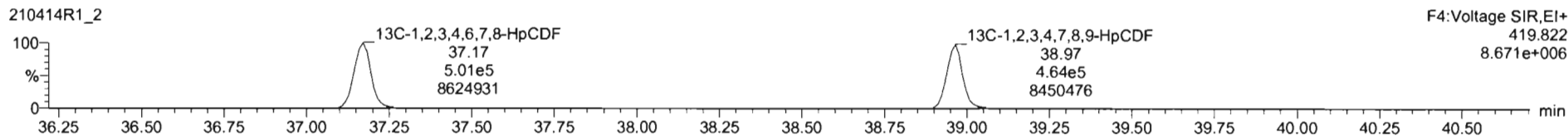
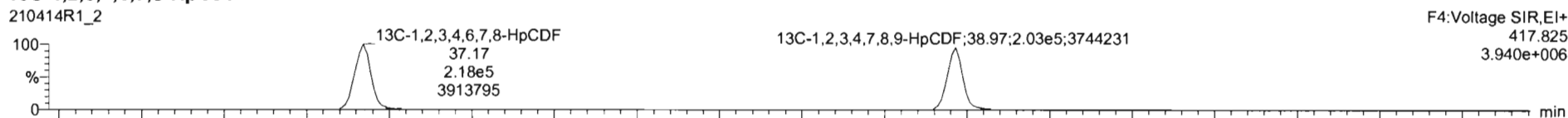
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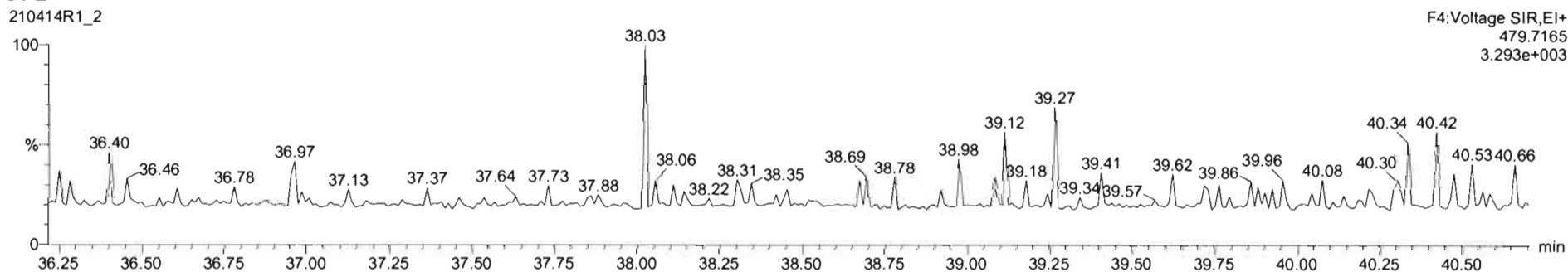
**1,2,3,4,6,7,8-HpCDF**



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

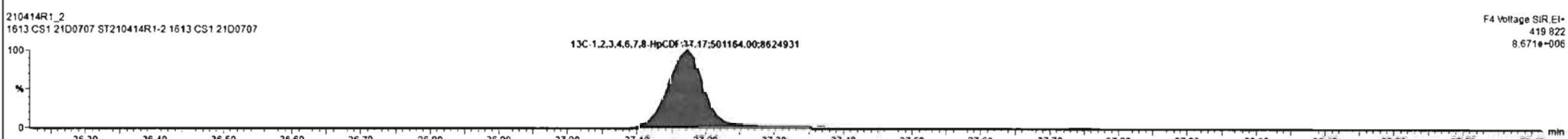
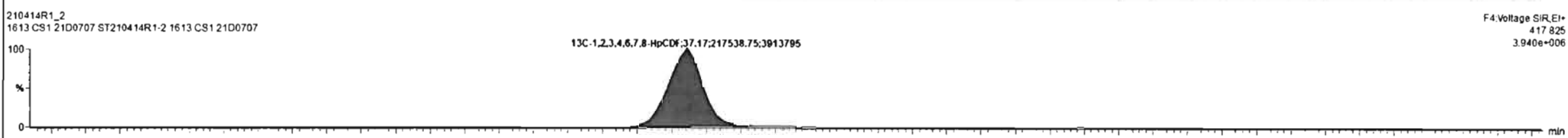
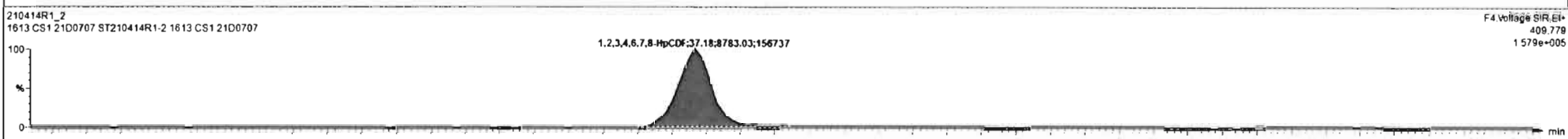
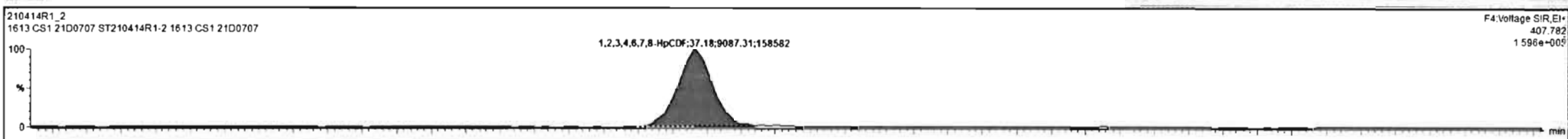


**DPE4**





#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.9641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818
14	1,2,3,7,8,9-HxCDF	35.61	1.159	NO	1.8506e4	8.2325e5	2.500	-4.3	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.18	1.035	NO	1.7870e4	7.1870e5	2.500	-5.1	8.33	1.05	0.0873
16	1,2,3,4,7,8,9-HpCDF	38.98	1.010	NO	1.6198e4	6.9955e5	2.500	-7.0	8.40	1.05	0.0879
17	OCDF	41.67	0.878	NO	2.7542e4	1.4722e6	5.000	-3.0	7.94	0.771	0.0612
18	13C-2,3,7,8-TCDD	26.93	0.772	NO	1.4587e6	1.3814e6	100.000	-4.3	8.43	1.10	0.0930
19	13C-1,2,3,7,8-PeCDD	31.26	0.625	NO	1.1607e6	1.3814e6	100.000	-2.7	10.5	0.864	0.0903
20	13C-1,2,3,4,7,8-HxCDD	34.61	1.282	NO	7.1077e5	1.0053e6	100.000	-5.2	8.73	0.746	0.0651
21	13C-1,2,3,6,7,8-HxCDD	34.73	1.263	NO	8.0285e5	1.0053e6	100.000	-5.7	9.12	0.847	0.0773
22	13C-1,2,3,7,8-HxCDD	35.03	1.257	NO	8.9031e5	1.0053e6	100.000	2.0	8.65	0.868	0.0751
23	13C-1,2,3,4,6,7,8-HpCDD	38.29	1.047	NO	7.7045e5	1.0053e6	100.000	15.4	10.1	0.864	0.0671

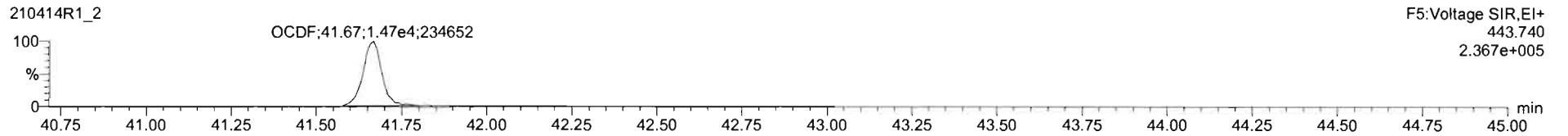
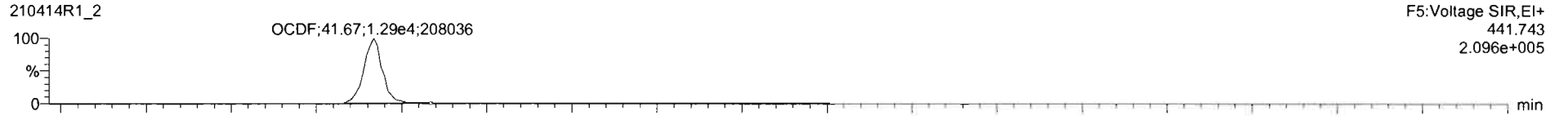


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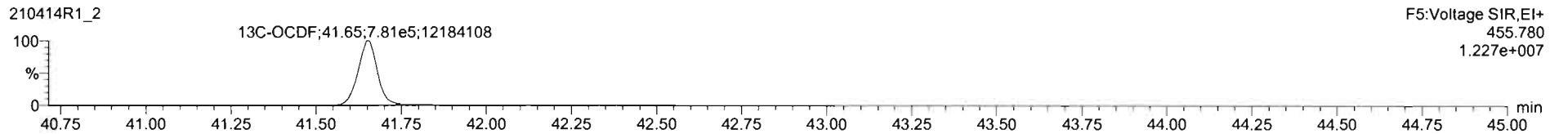
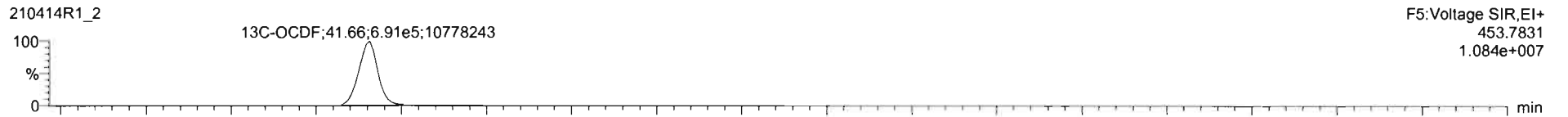
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_2, Date: 14-Apr-2021, Time: 10:37:34, ID: ST210414R1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

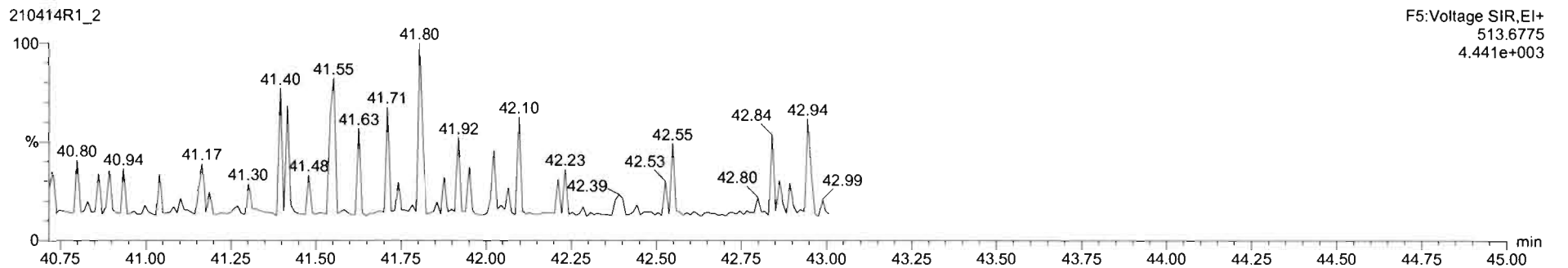
**OCDF**



**13C-OCDF**



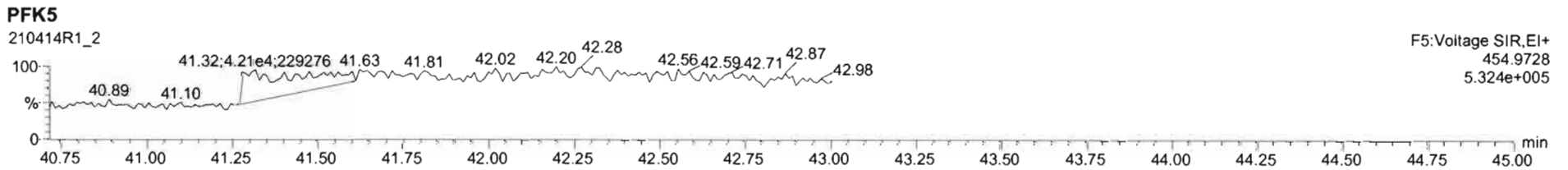
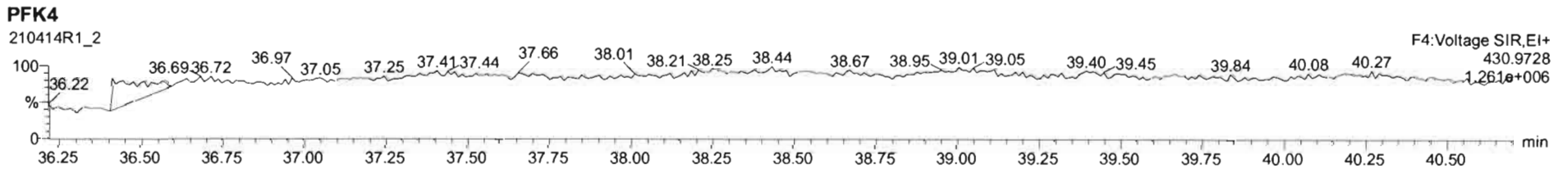
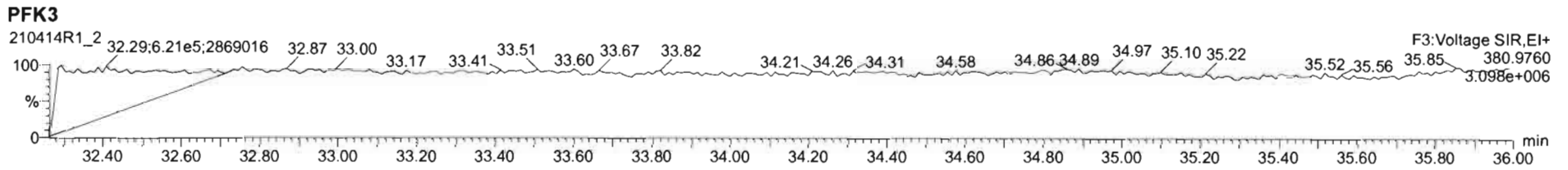
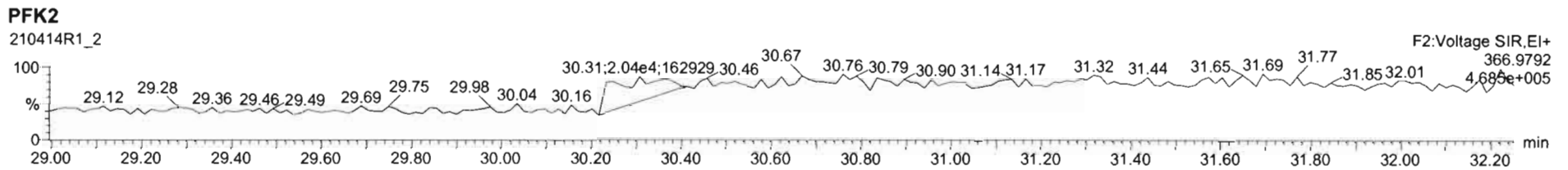
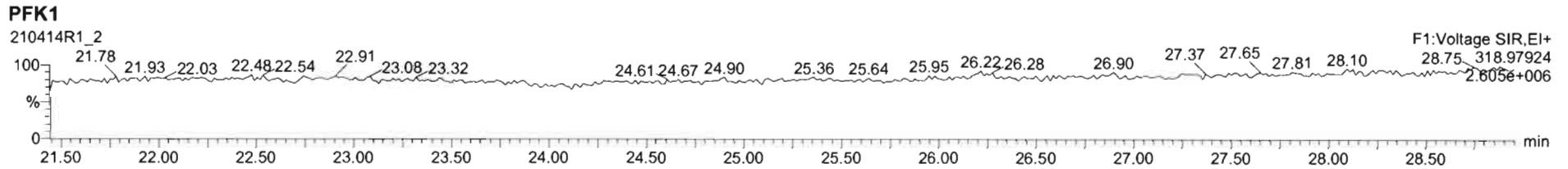
**DPE5**



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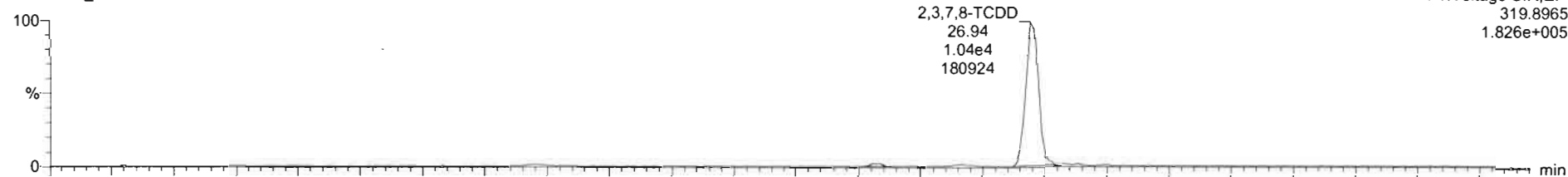
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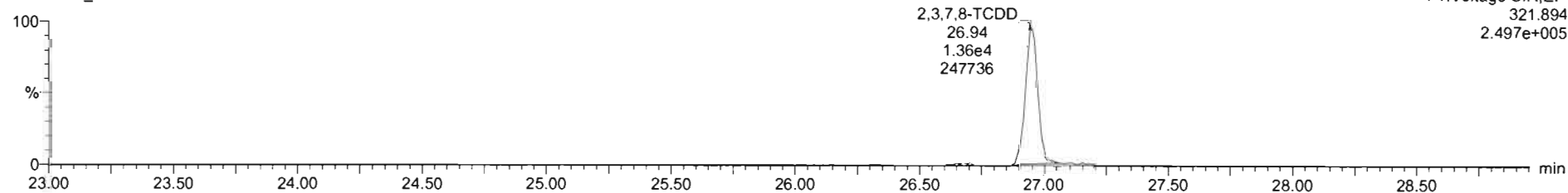
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**2,3,7,8-TCDD**

210414R1\_3

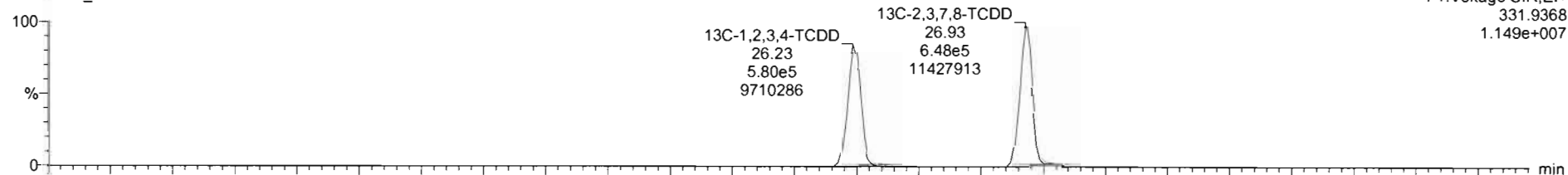


210414R1\_3

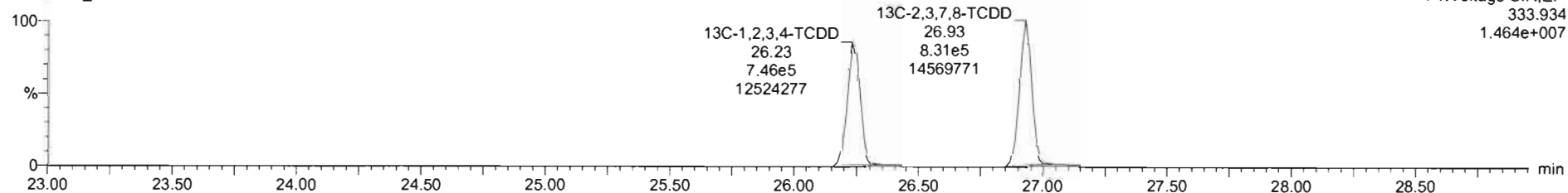


**13C-2,3,7,8-TCDD**

210414R1\_3



210414R1\_3



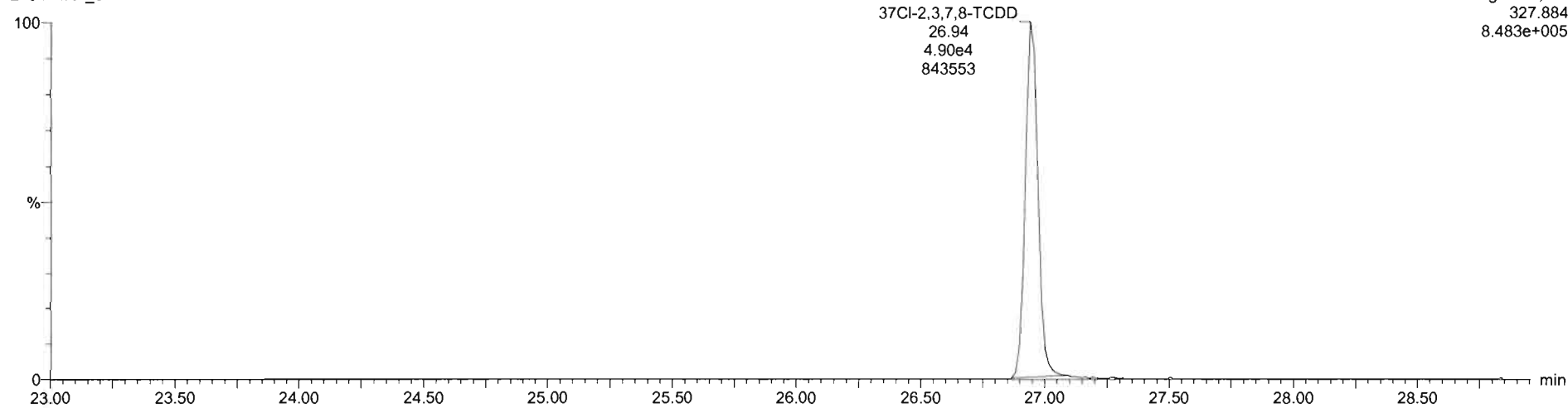
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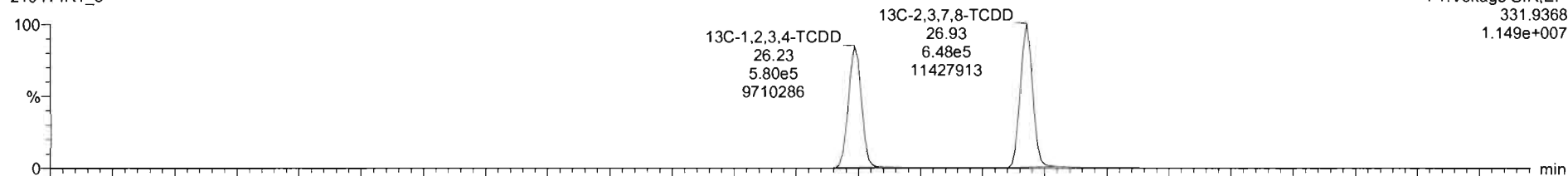
37Cl-2,3,7,8-TCDD

210414R1\_3

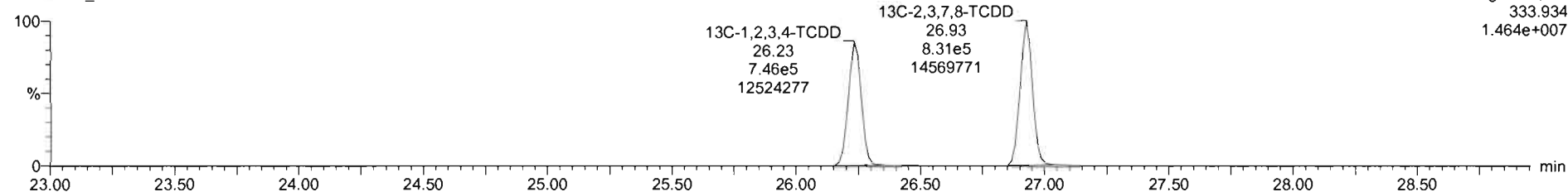


13C-1,2,3,4-TCDD

210414R1\_3



210414R1\_3



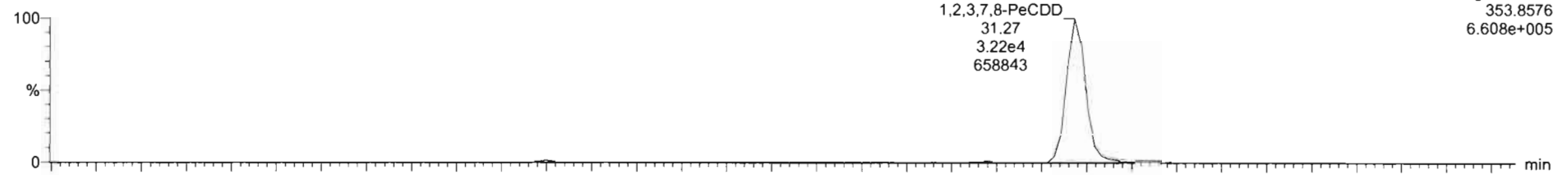
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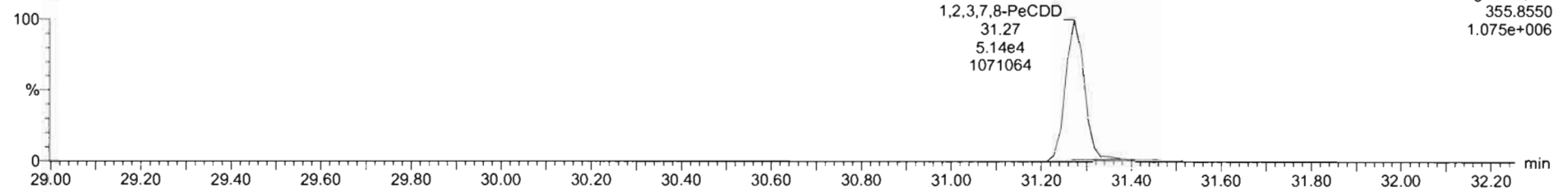
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**1,2,3,7,8-PeCDD**

210414R1\_3

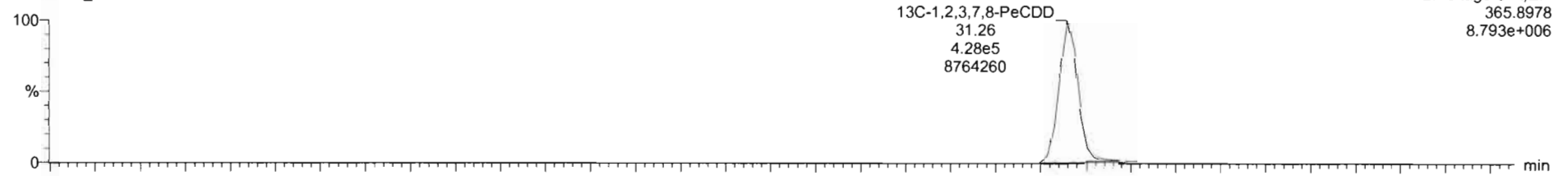


210414R1\_3

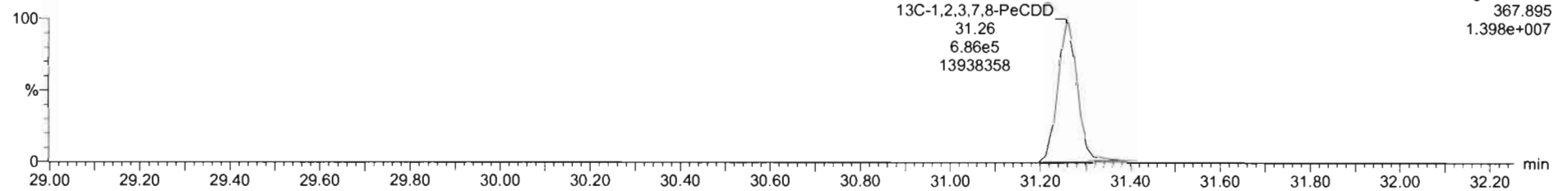


**13C-1,2,3,7,8-PeCDD**

210414R1\_3



210414R1\_3



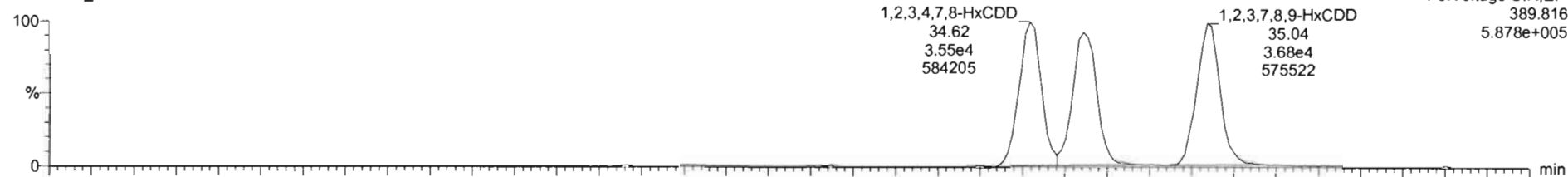
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

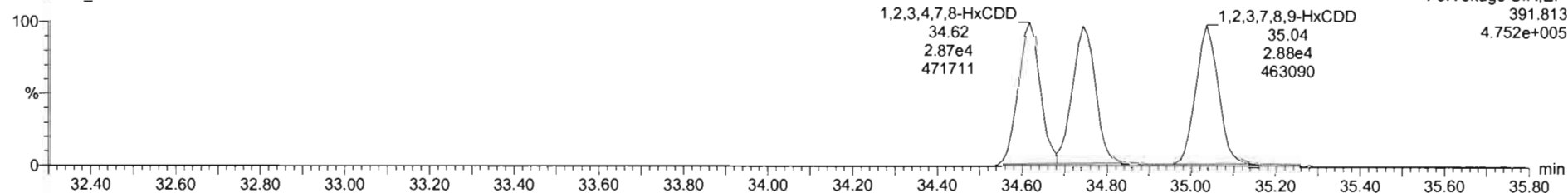
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1,2,3,4,7,8-HxCDD

210414R1\_3

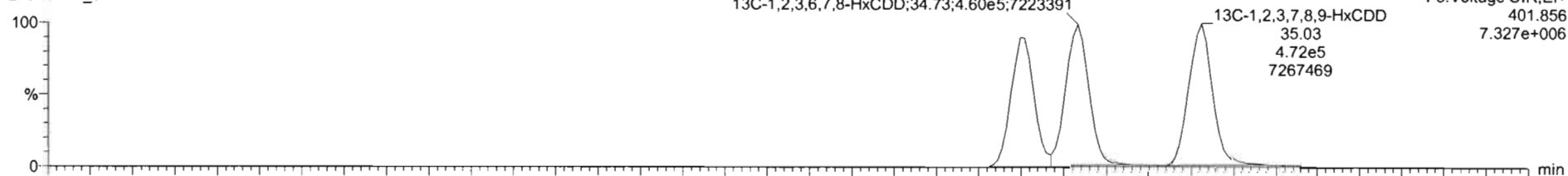


210414R1\_3

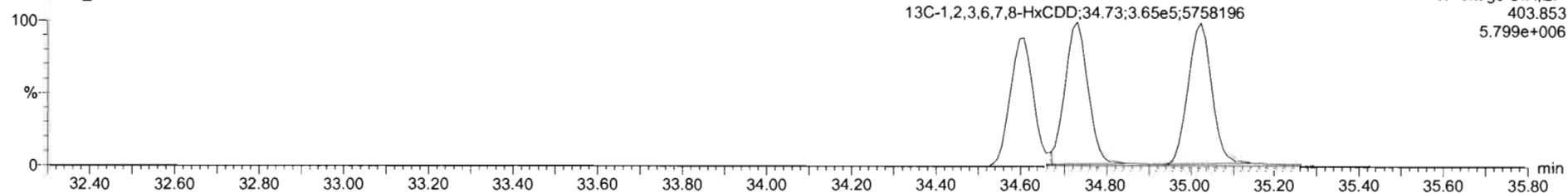


13C-1,2,3,4,7,8-HxCDD

210414R1\_3



210414R1\_3



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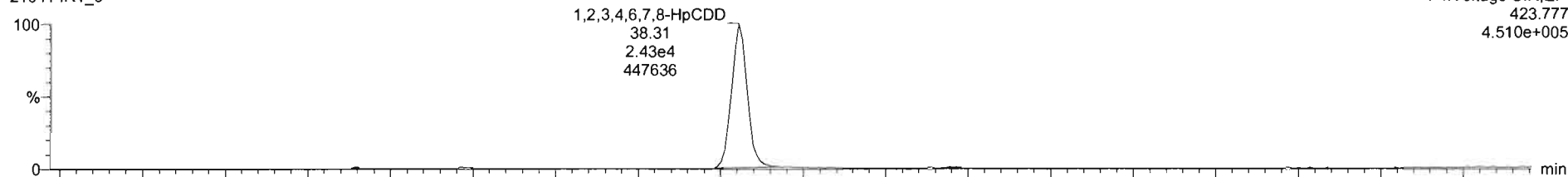
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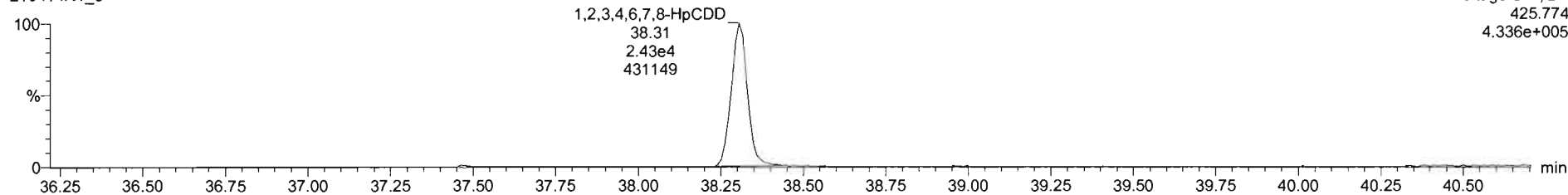
1,2,3,4,6,7,8-HpCDD

210414R1\_3



F4:Voltage SIR,EI+  
423.777  
4.510e+005

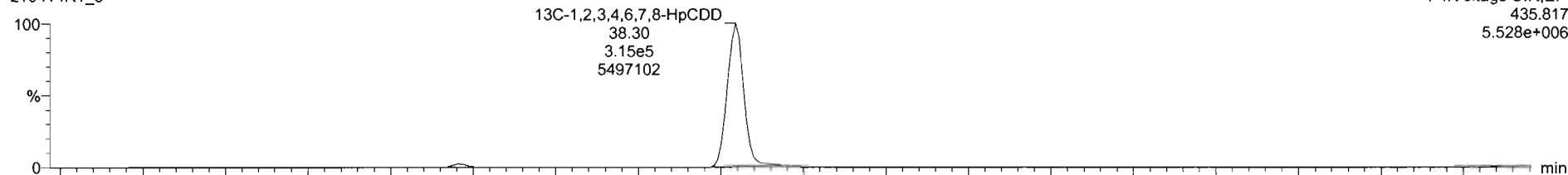
210414R1\_3



F4:Voltage SIR,EI+  
425.774  
4.336e+005

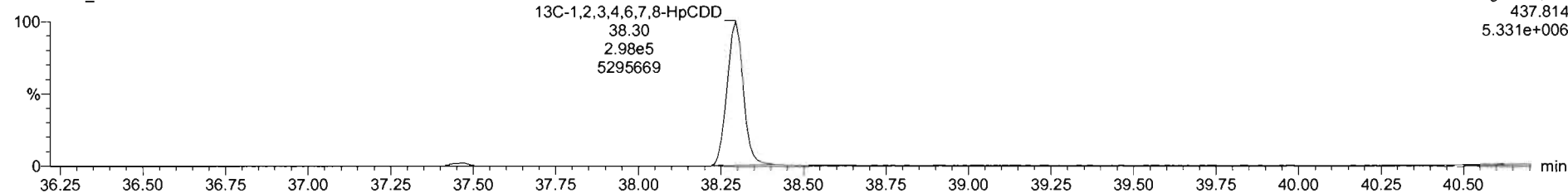
13C-1,2,3,4,6,7,8-HpCDD

210414R1\_3



F4:Voltage SIR,EI+  
435.817  
5.528e+006

210414R1\_3



F4:Voltage SIR,EI+  
437.814  
5.331e+006



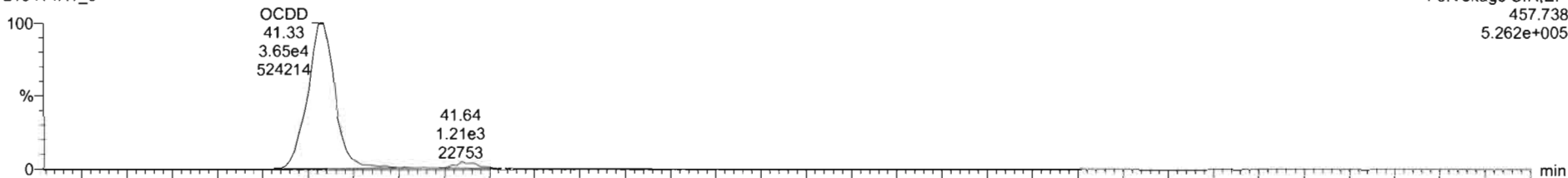
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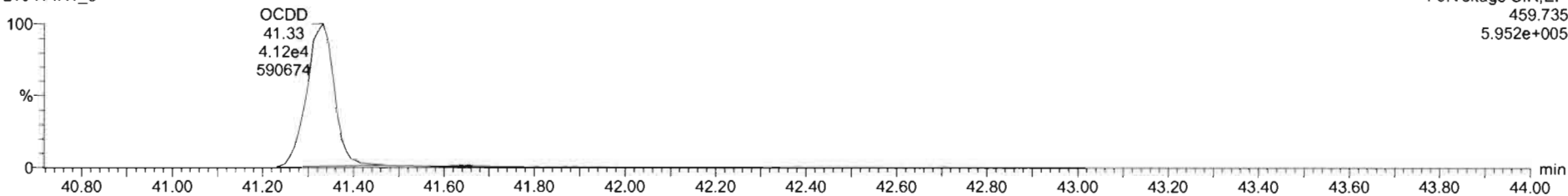
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**OCDD**

210414R1\_3

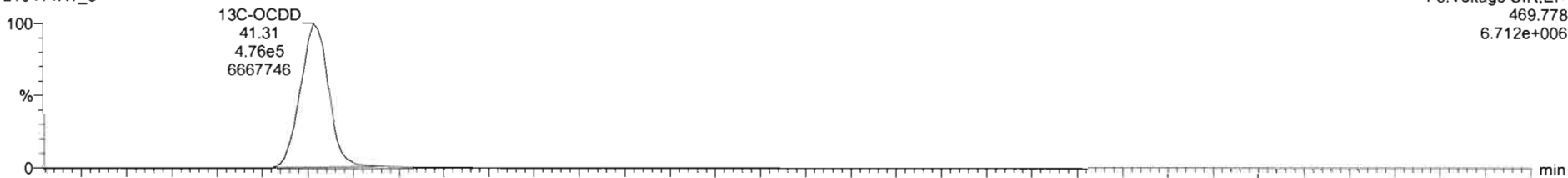


210414R1\_3

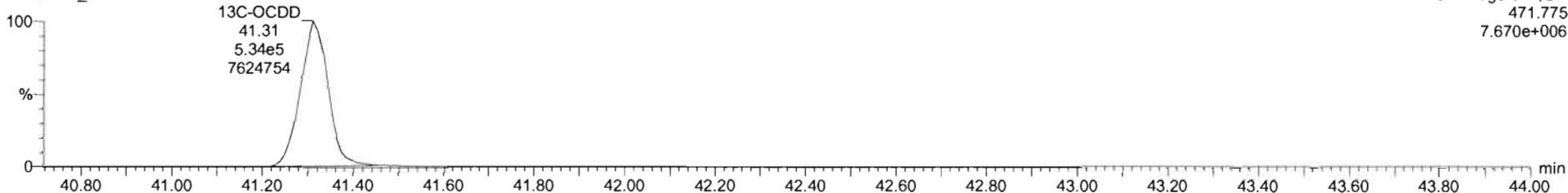


**13C-OCDD**

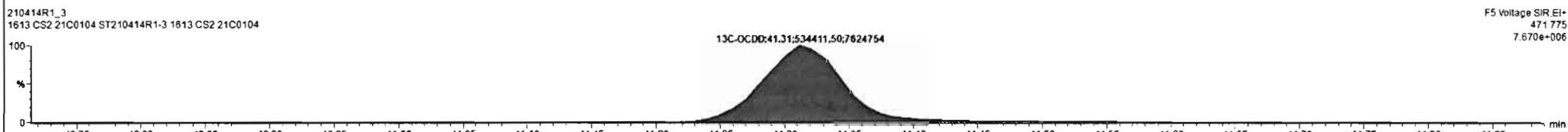
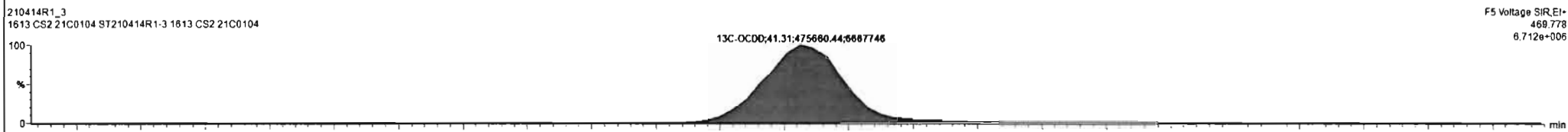
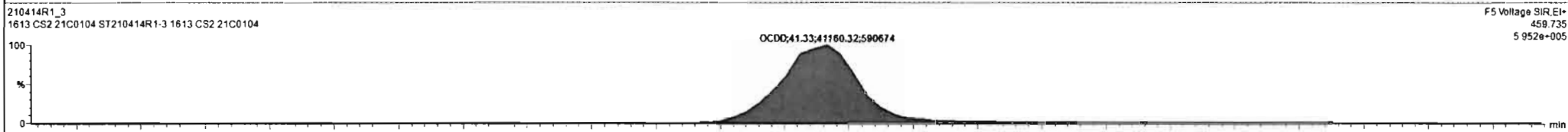
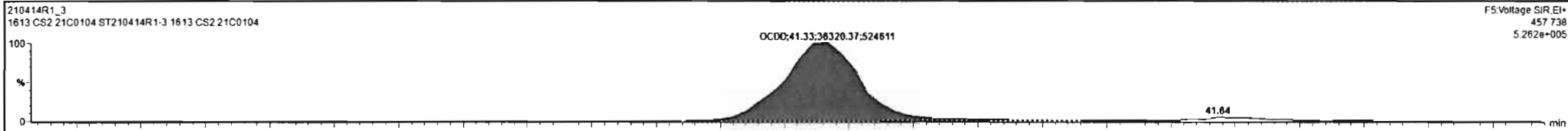
210414R1\_3



210414R1\_3



#	Name	RT	RA	Yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.94	0.762	NO	2.4014e4	1.4792e6	2.000	-12.6	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.628	NO	8.3608e4	1.1141e6	10.000	-9.1	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.239	NO	6.4208e4	7.4024e5	10.000	-10.8	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.74	1.229	NO	6.5250e4	8.2514e5	10.000	-9.8	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.280	NO	6.5625e4	8.4455e5	10.000	-11.1	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HxCDD	38.31	1.003	NO	4.9610e4	6.1293e5	10.000	-11.8	7.53	0.899	0.0877
7	OCDD	41.33	0.882	NO	7.7481e4	1.0101e6	20.000	-10.0	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.785	NO	2.6406e4	1.9981e6	2.000	-11.5	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.623	NO	1.2008e5	1.4874e6	10.000	-8.0	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.523	NO	1.2921e5	1.4756e6	10.000	-8.0	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.227	NO	7.9886e4	9.5787e5	10.000	-9.4	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.218	NO	8.7203e4	1.0114e6	10.000	-7.9	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.51	1.231	NO	7.8454e4	8.8543e5	10.000	-8.9	8.41	0.973	0.0818



Regdy [210414R1\_3] CAP NUM

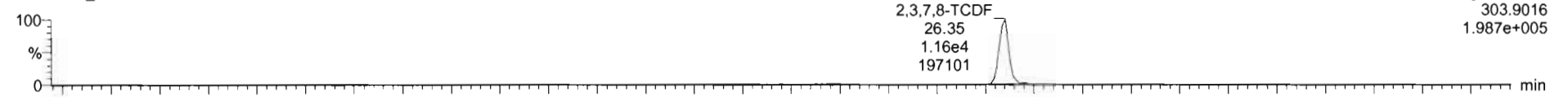
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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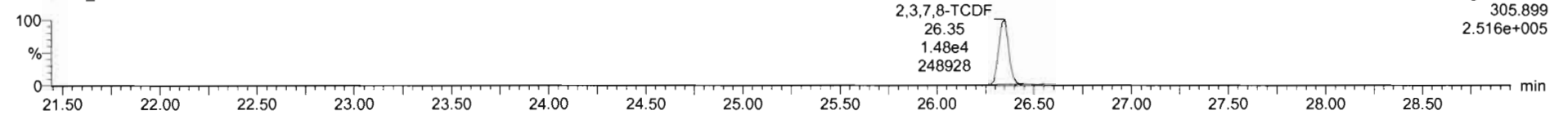
**2,3,7,8-TCDF**

210414R1\_3



F1:Voltage SIR,EI+  
303.9016  
1.987e+005

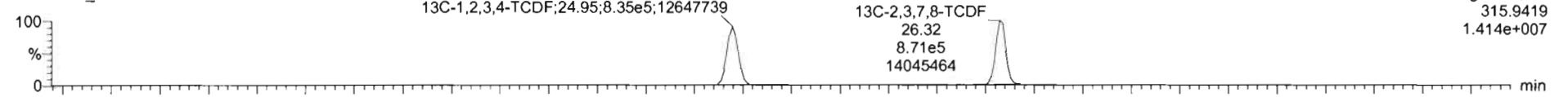
210414R1\_3



F1:Voltage SIR,EI+  
305.899  
2.516e+005

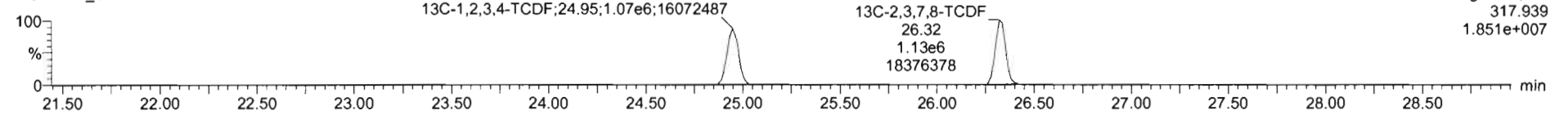
**13C-2,3,7,8-TCDF**

210414R1\_3



F1:Voltage SIR,EI+  
315.9419  
1.414e+007

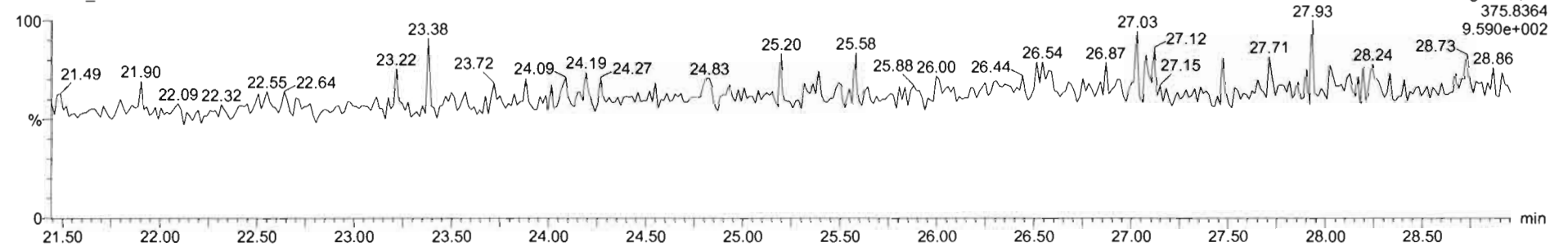
210414R1\_3



F1:Voltage SIR,EI+  
317.939  
1.851e+007

**DPE1**

210414R1\_3



F1:Voltage SIR,EI+  
375.8364  
9.590e+002

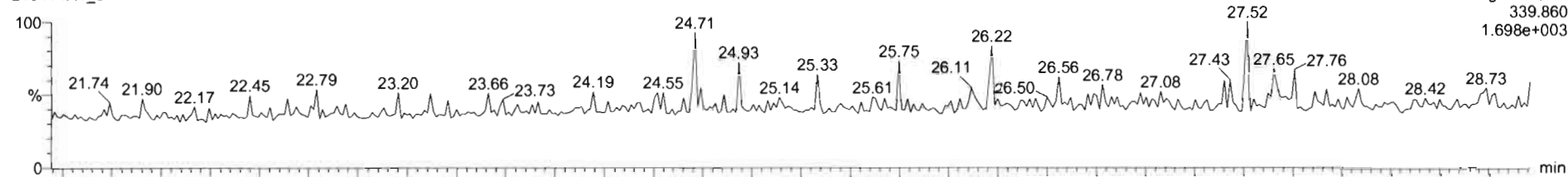
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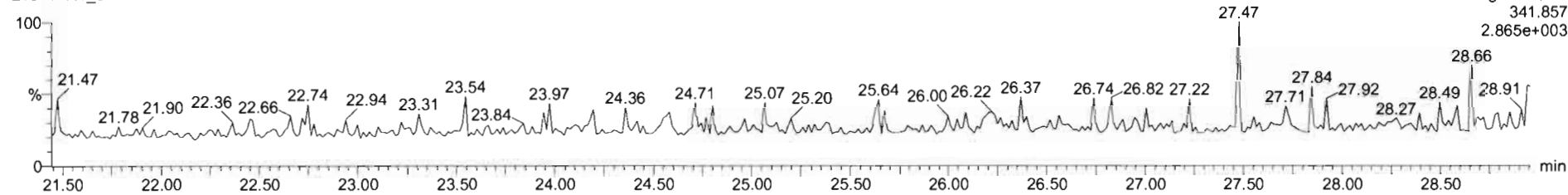
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1st Func. Penta-Furans

210414R1\_3

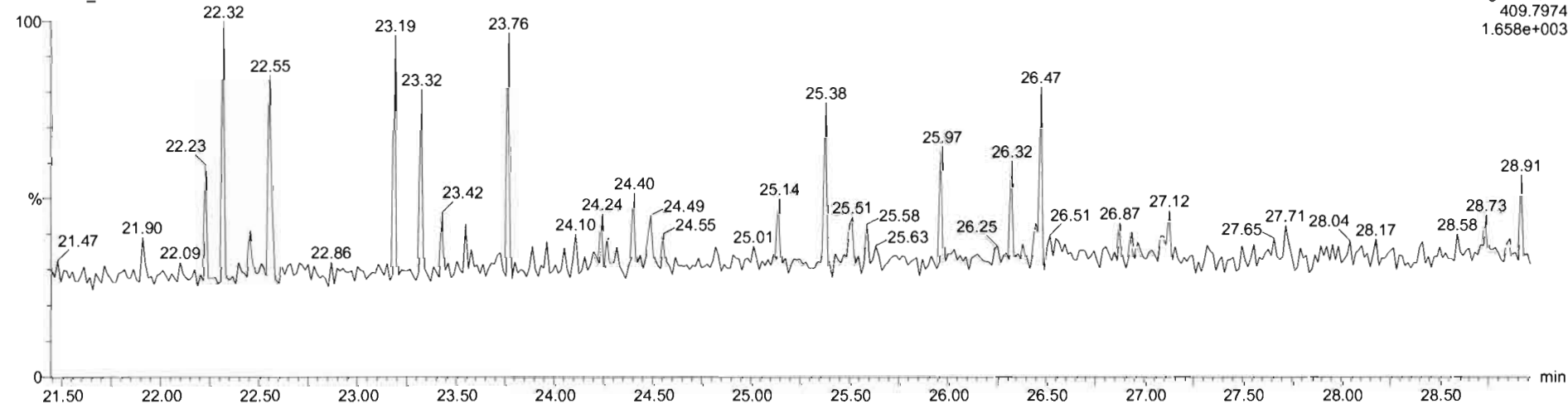


210414R1\_3



DPE6

210414R1\_3



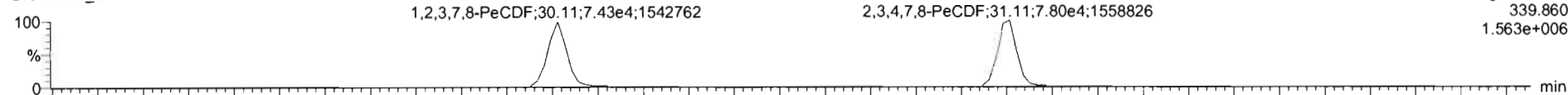
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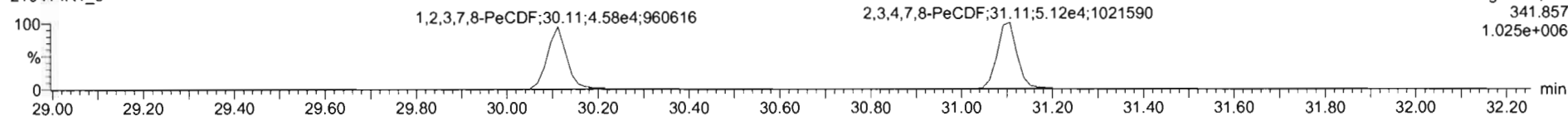
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**1,2,3,7,8-PeCDF**

210414R1\_3

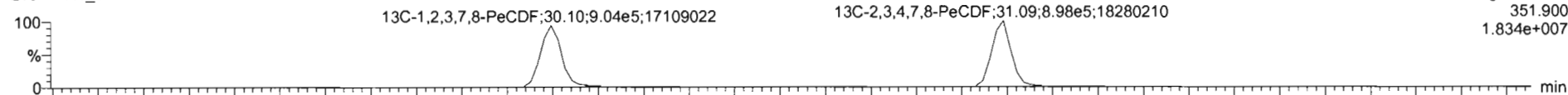


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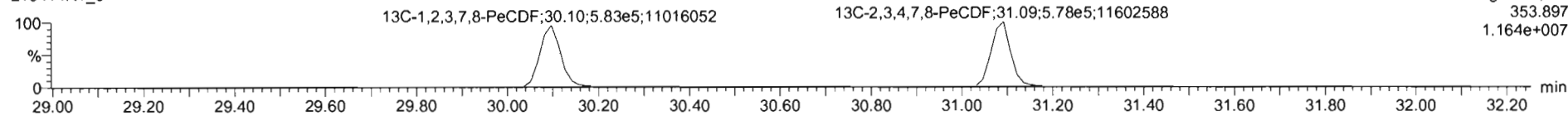


**13C-1,2,3,7,8-PeCDF**

210414R1\_3

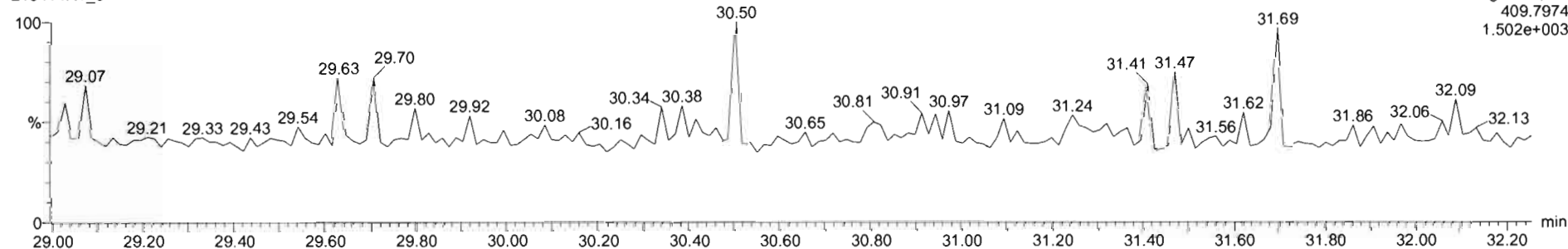


210414R1\_3



**DPE2**

210414R1\_3



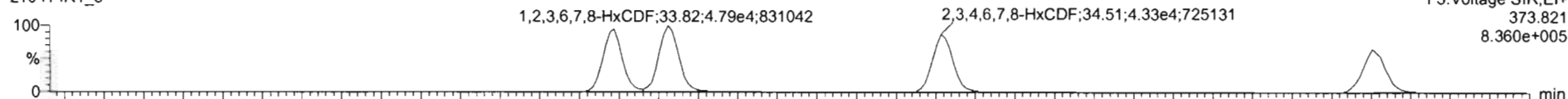
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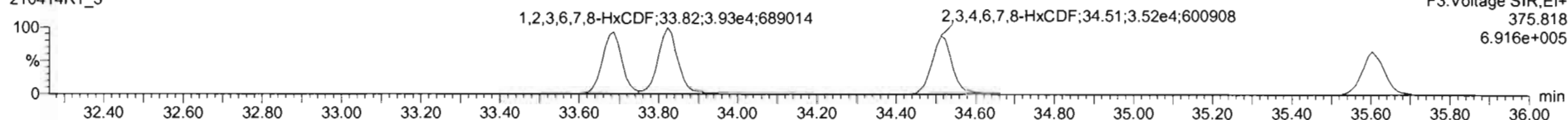
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**1,2,3,4,7,8-HxCDF**

210414R1\_3

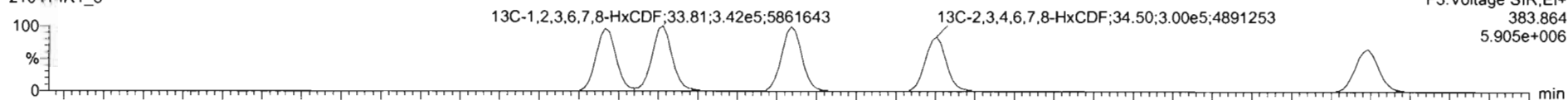


210414R1\_3

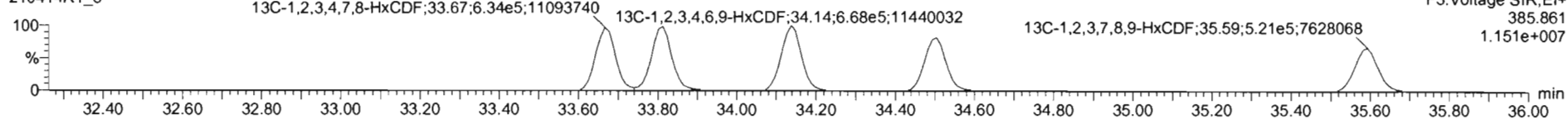


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_3

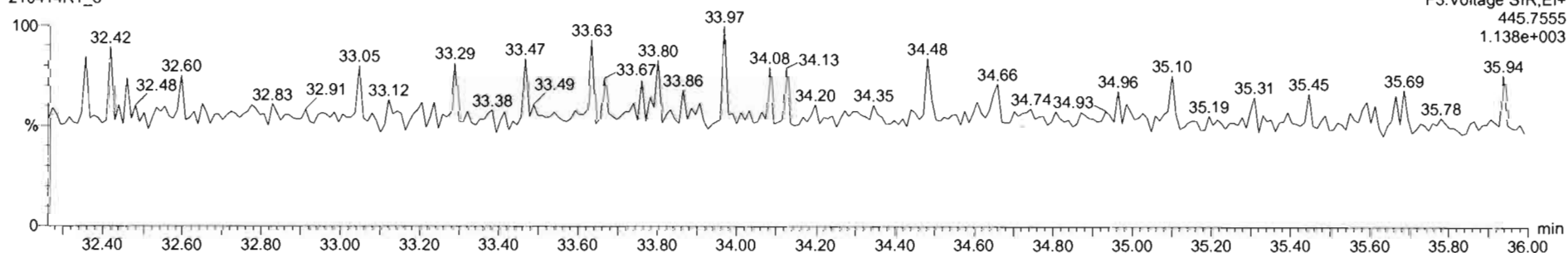


210414R1\_3



**DPE3**

210414R1\_3



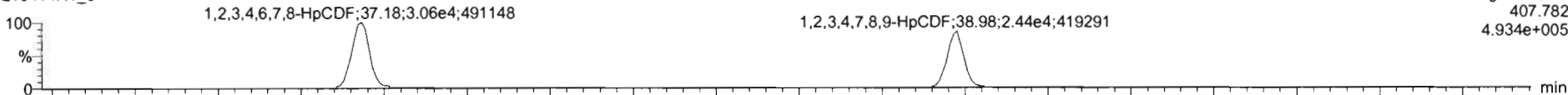
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

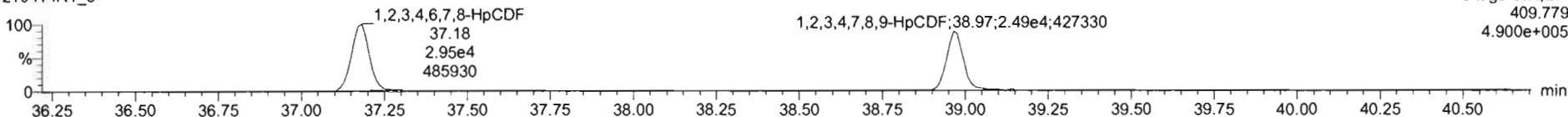
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_3

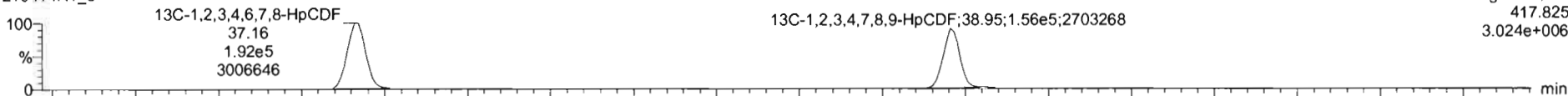


210414R1\_3

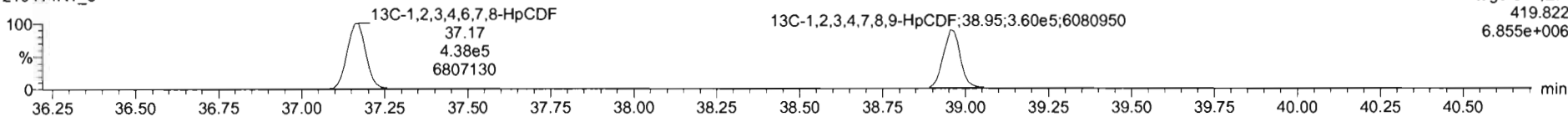


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_3

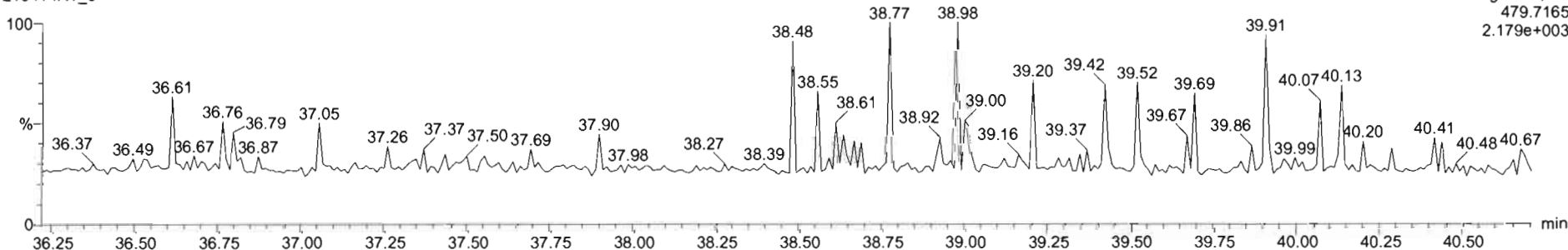


210414R1\_3



**DPE4**

210414R1\_3

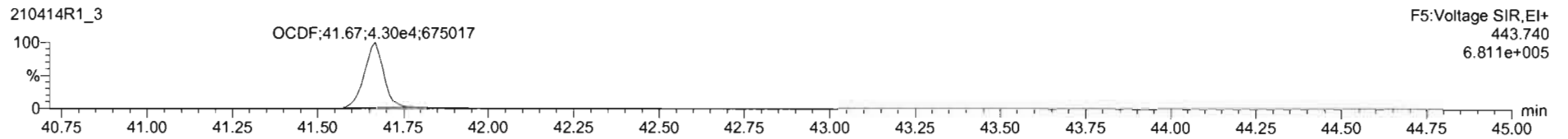
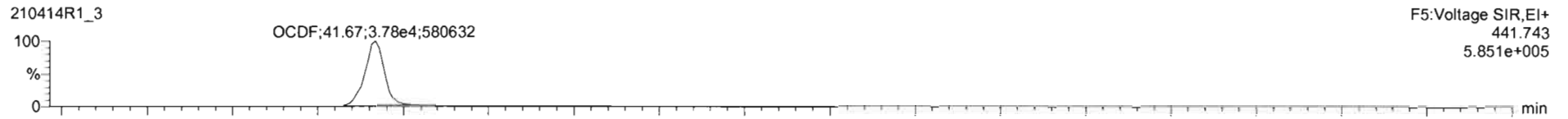


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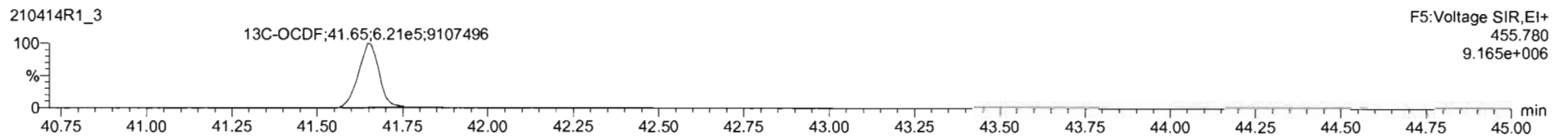
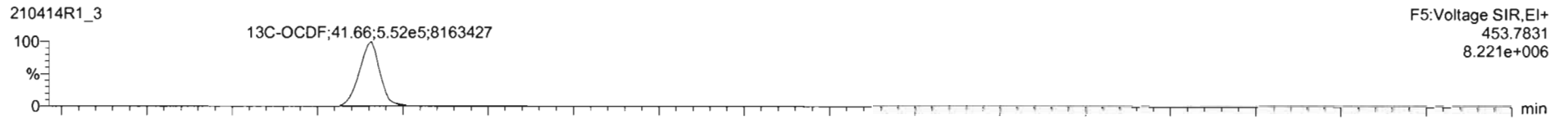
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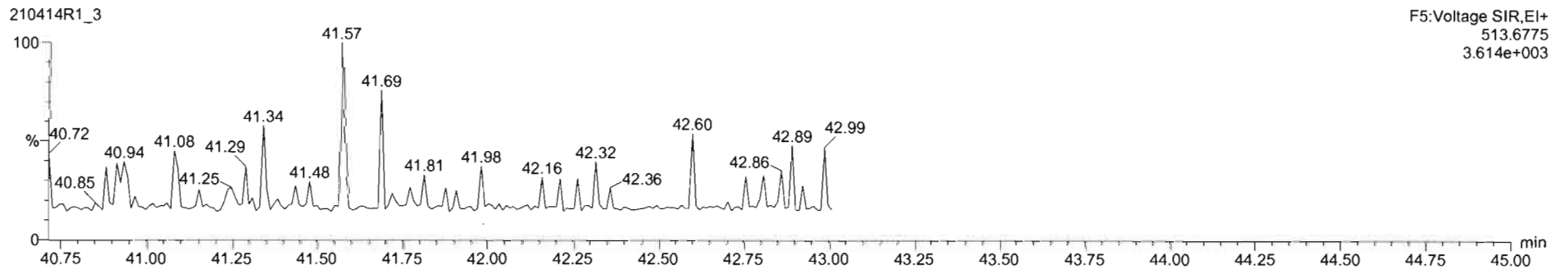
**OCDF**



**13C-OCDF**



**DPE5**

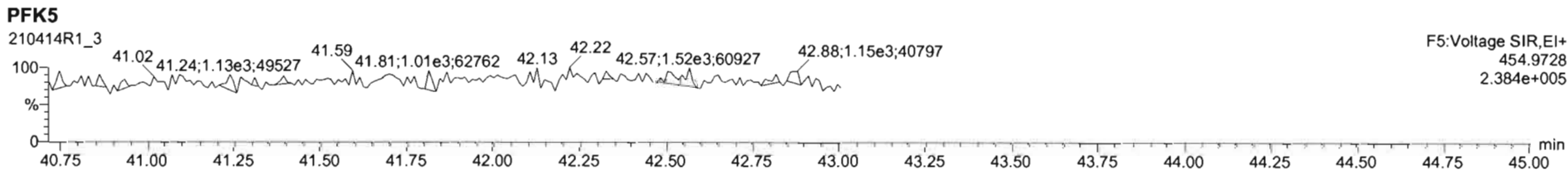
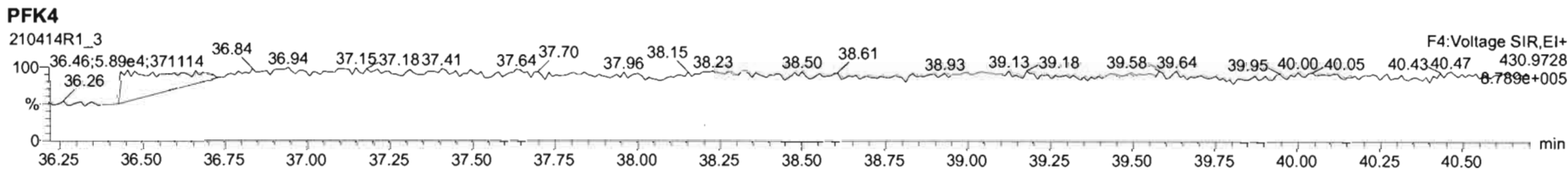
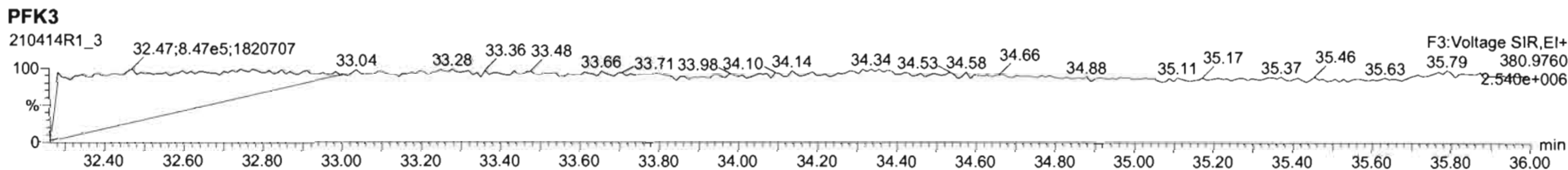
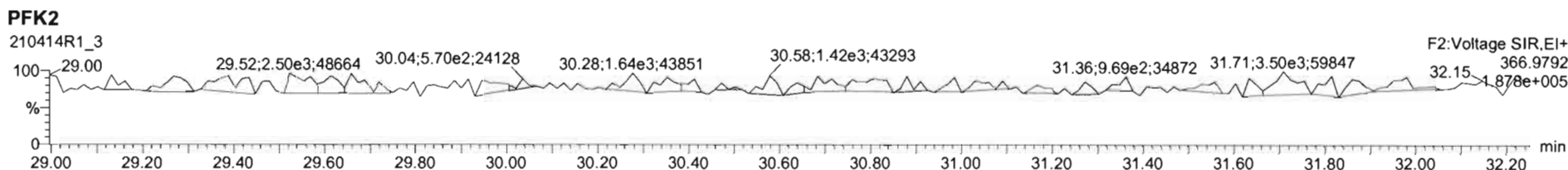
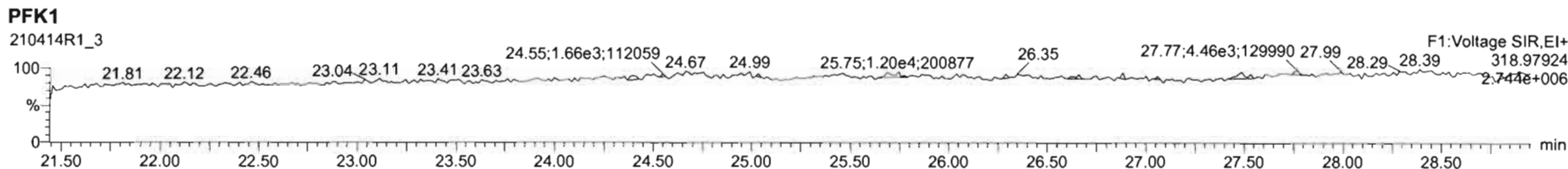




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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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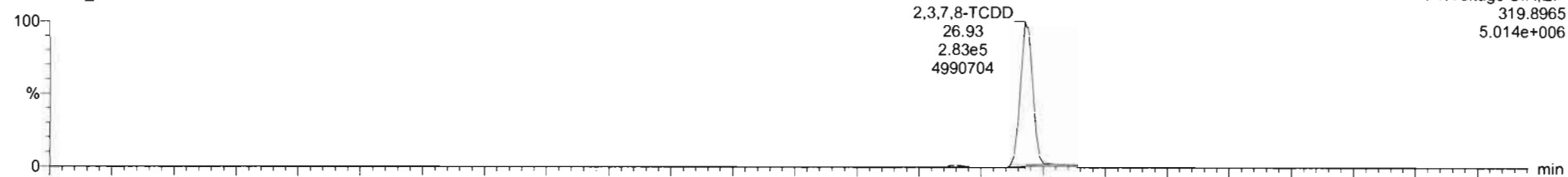
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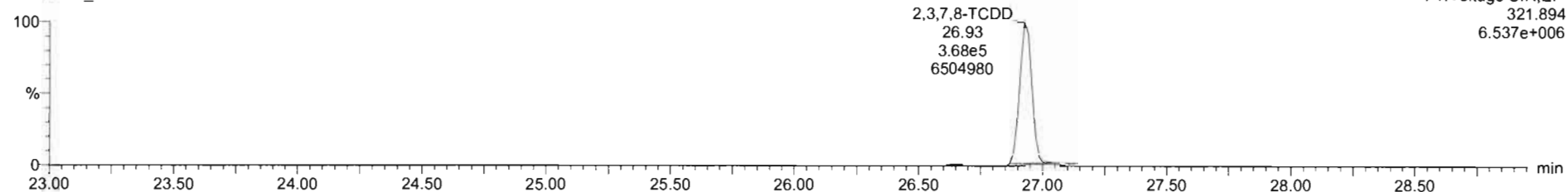
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**2,3,7,8-TCDD**

210414R1\_4

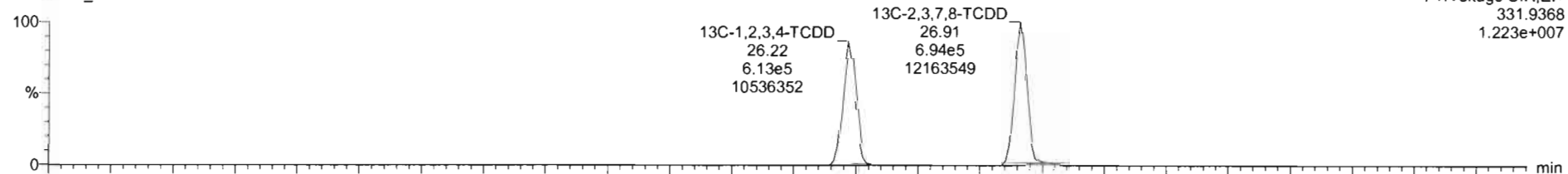


210414R1\_4

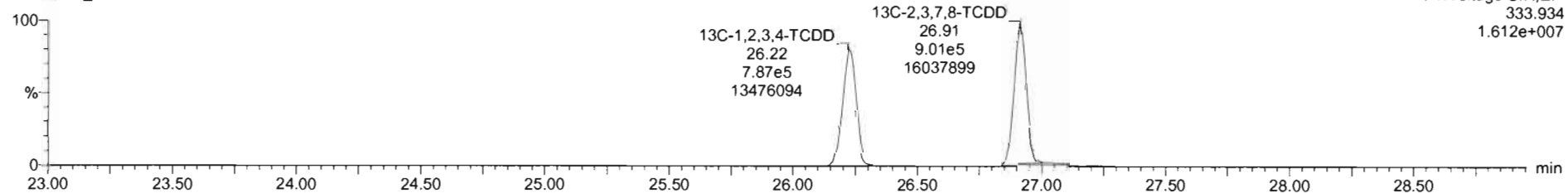


**13C-2,3,7,8-TCDD**

210414R1\_4



210414R1\_4



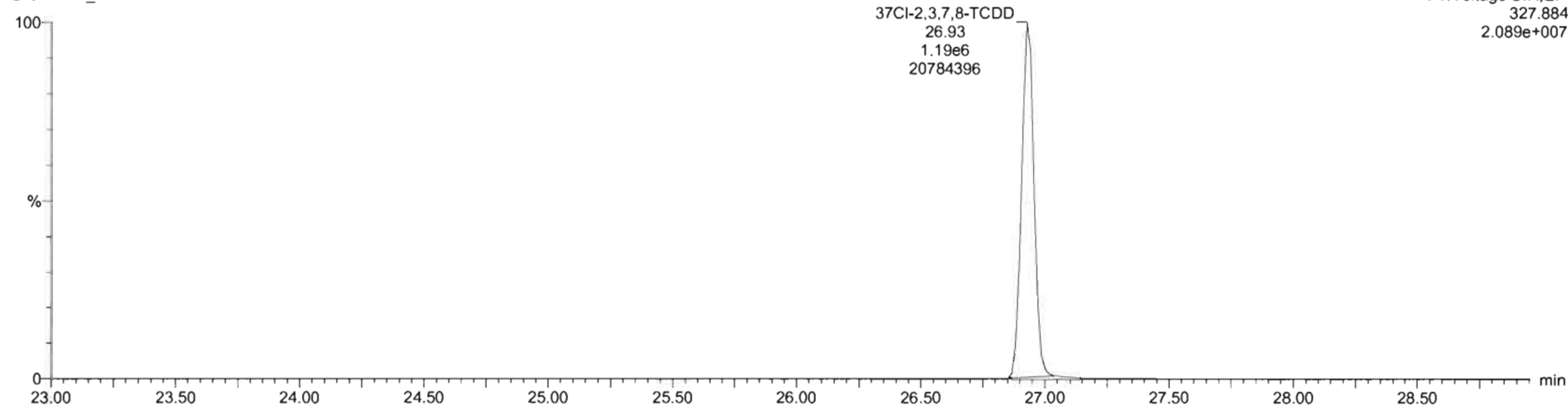
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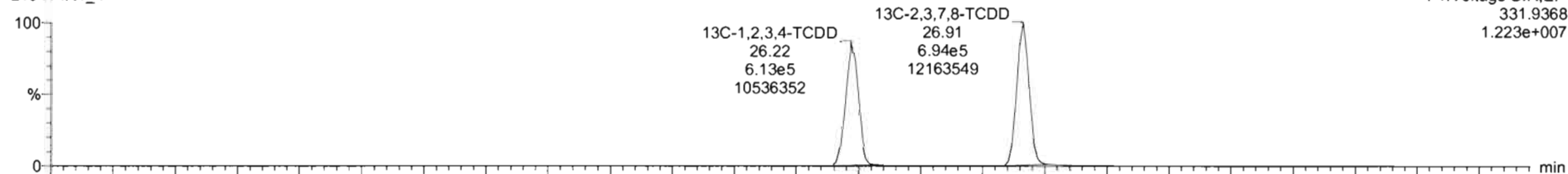
37Cl-2,3,7,8-TCDD

210414R1\_4

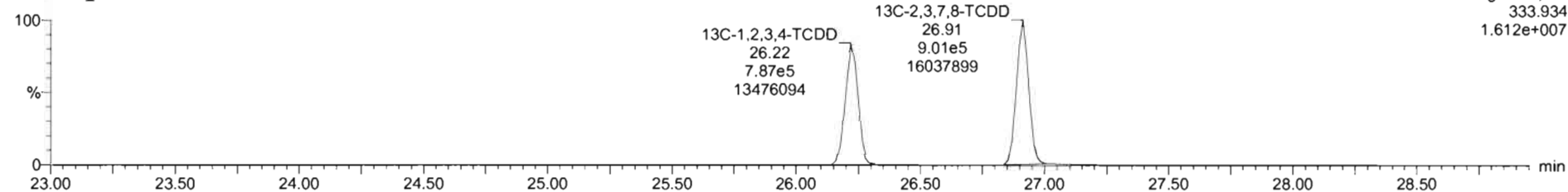


13C-1,2,3,4-TCDD

210414R1\_4



210414R1\_4



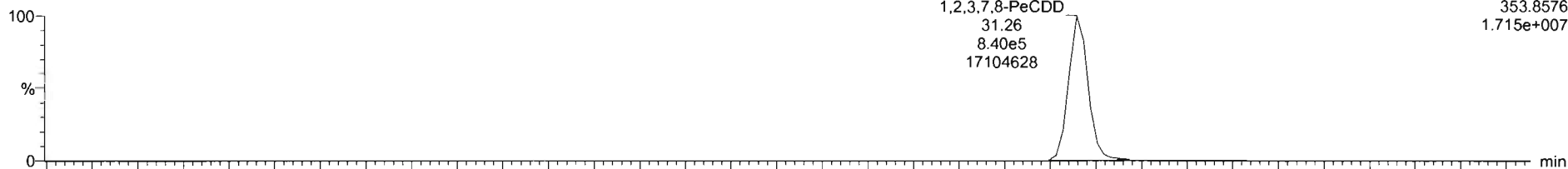
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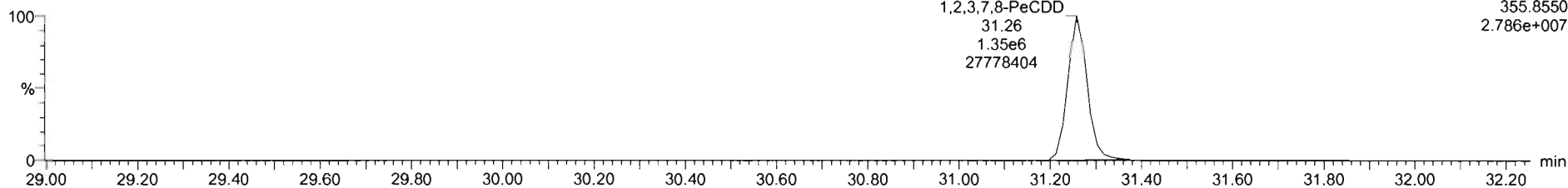
**1,2,3,7,8-PeCDD**

210414R1\_4



F2:Voltage SIR,EI+  
353.8576  
1.715e+007

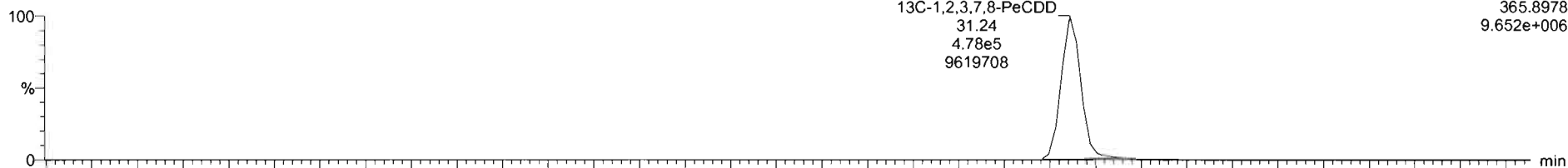
210414R1\_4



F2:Voltage SIR,EI+  
355.8550  
2.786e+007

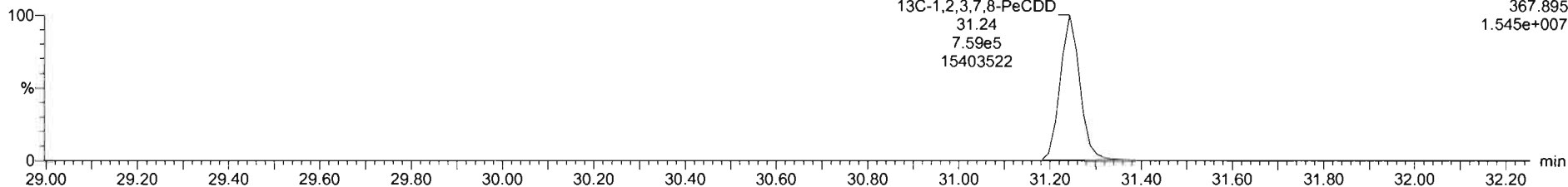
**13C-1,2,3,7,8-PeCDD**

210414R1\_4



F2:Voltage SIR,EI+  
365.8978  
9.652e+006

210414R1\_4



F2:Voltage SIR,EI+  
367.895  
1.545e+007

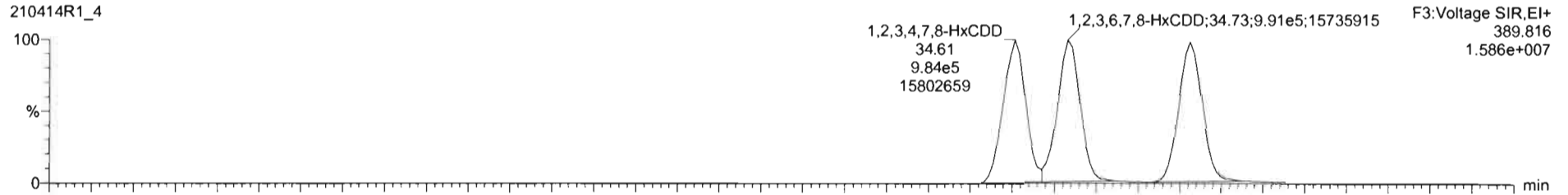
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

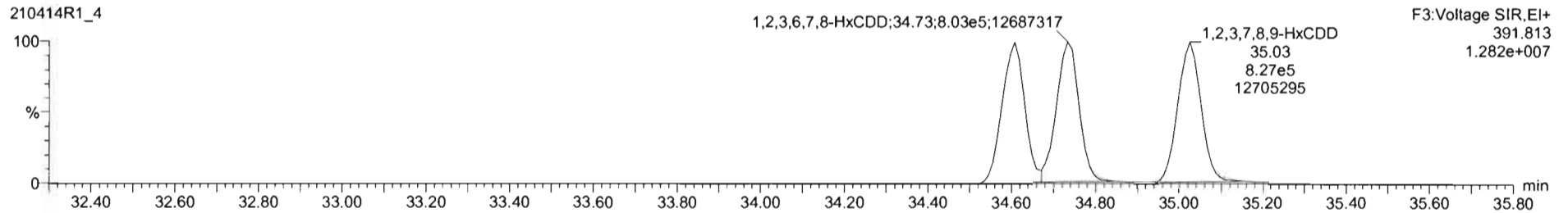
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**1,2,3,4,7,8-HxCDD**

210414R1\_4

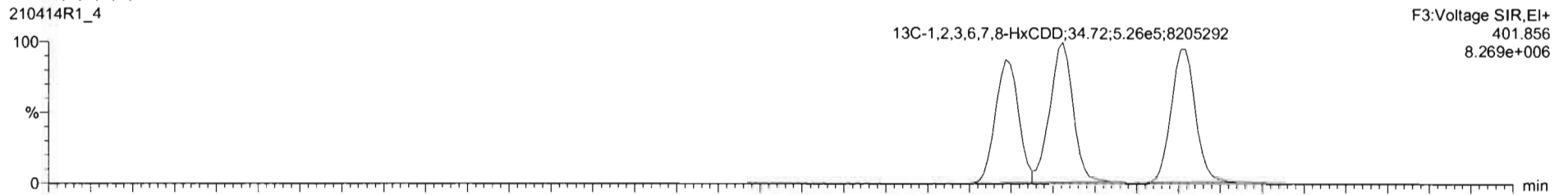


210414R1\_4

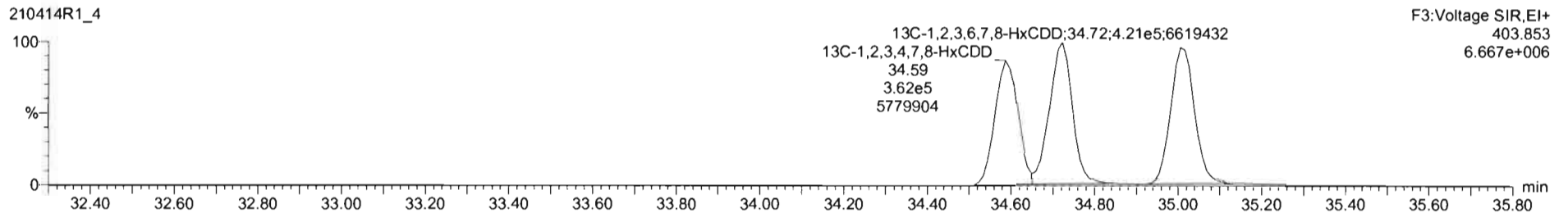


**13C-1,2,3,4,7,8-HxCDD**

210414R1\_4



210414R1\_4



Dataset: Untitled

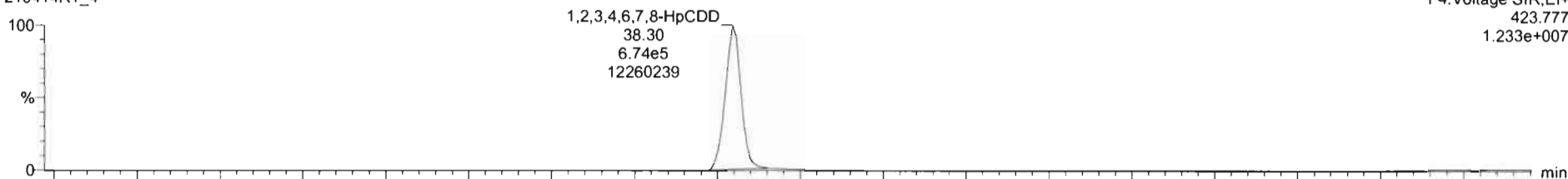
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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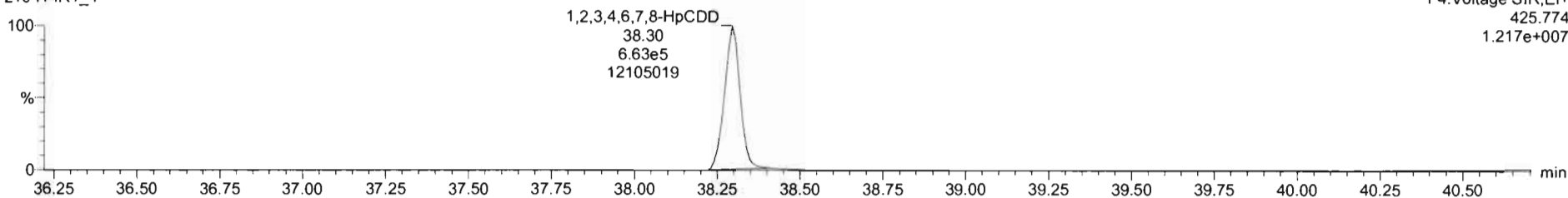
**1,2,3,4,6,7,8-HpCDD**

210414R1\_4



F4:Voltage SIR,EI+  
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1.233e+007

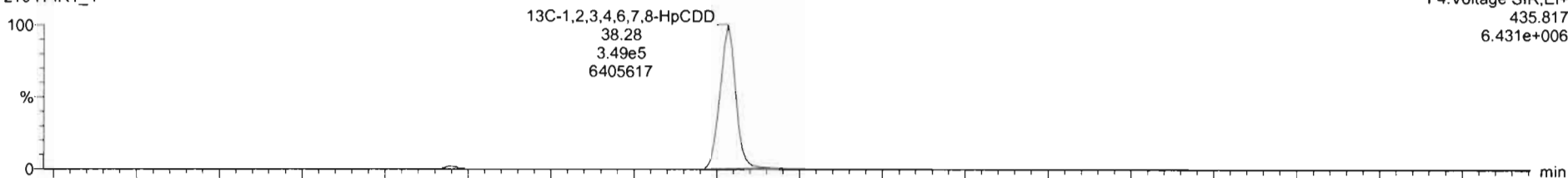
210414R1\_4



F4:Voltage SIR,EI+  
425.774  
1.217e+007

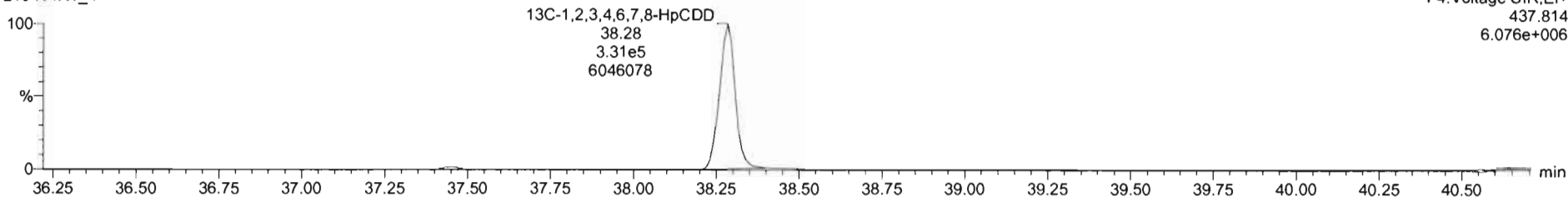
**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_4



F4:Voltage SIR,EI+  
435.817  
6.431e+006

210414R1\_4



F4:Voltage SIR,EI+  
437.814  
6.076e+006

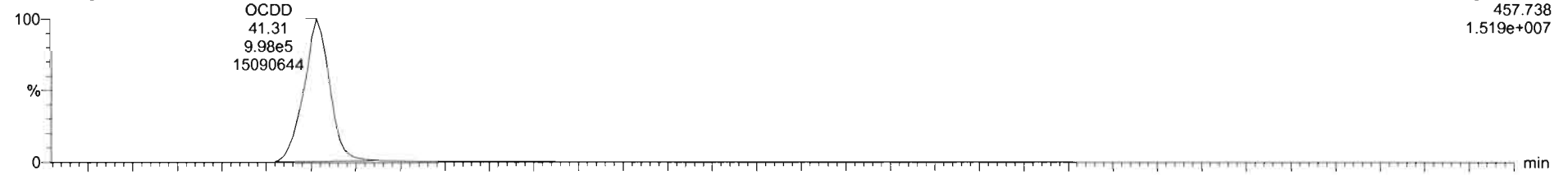
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

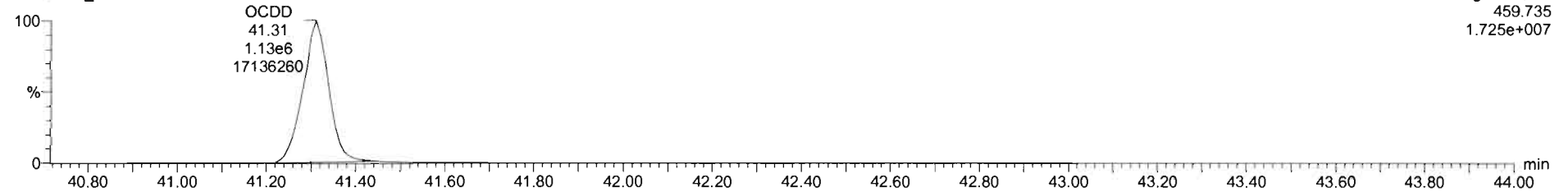
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**OCDD**

210414R1\_4

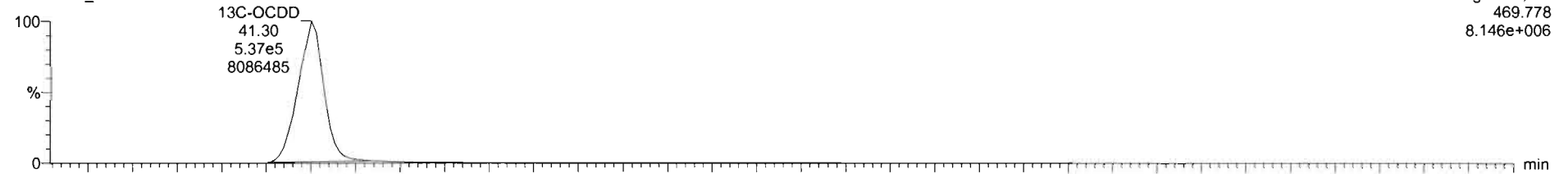


210414R1\_4

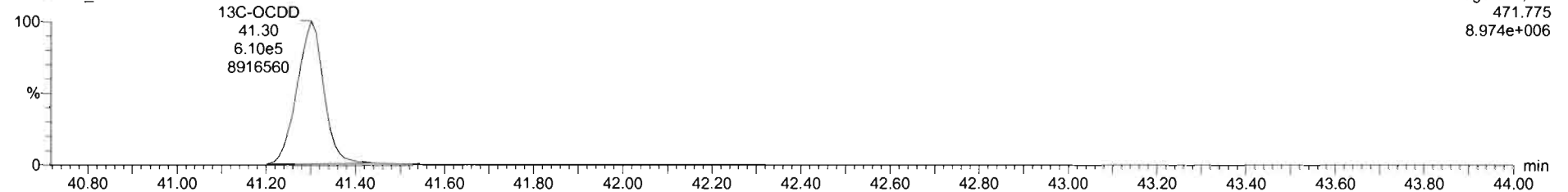


**13C-OCDD**

210414R1\_4



210414R1\_4



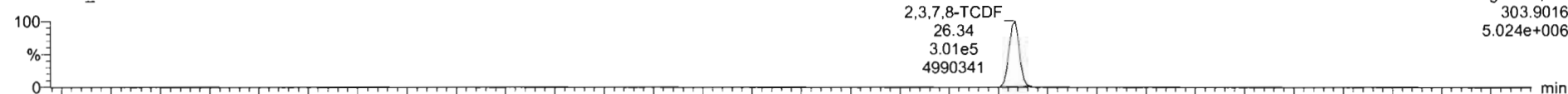
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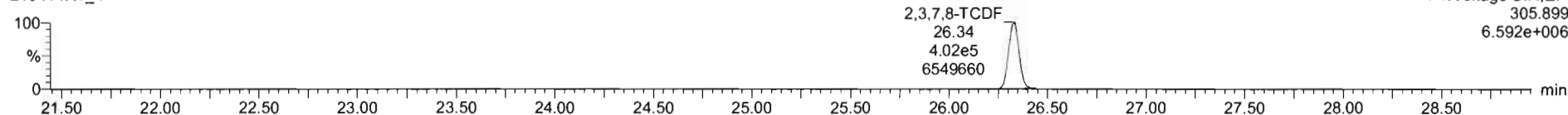
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**2,3,7,8-TCDF**

210414R1\_4

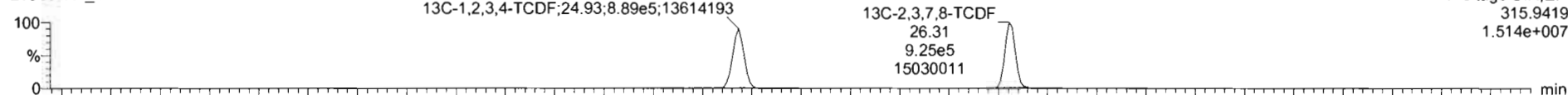


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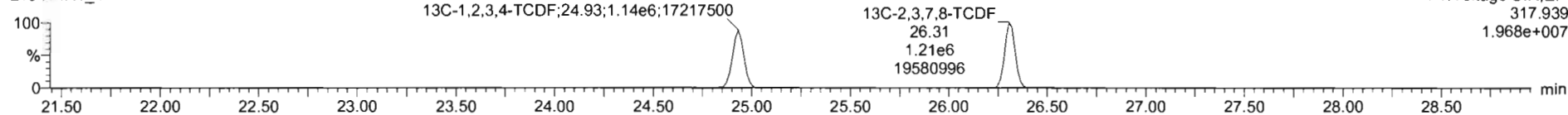


**13C-2,3,7,8-TCDF**

210414R1\_4

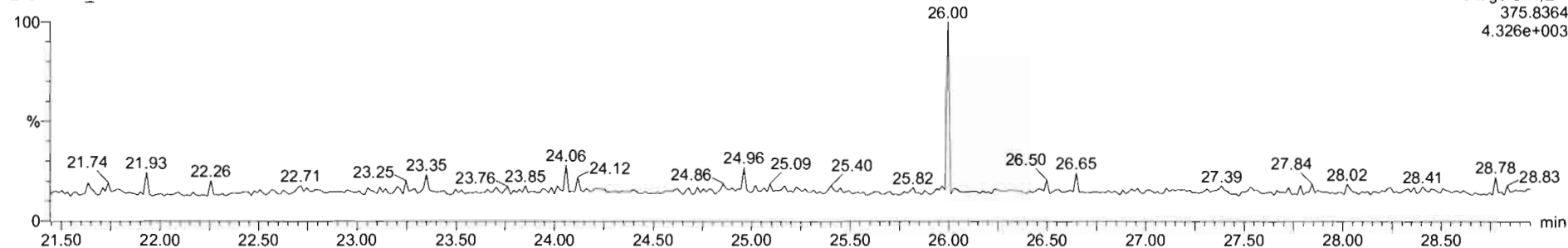


210414R1\_4



**DPE1**

210414R1\_4





Dataset: Untitled

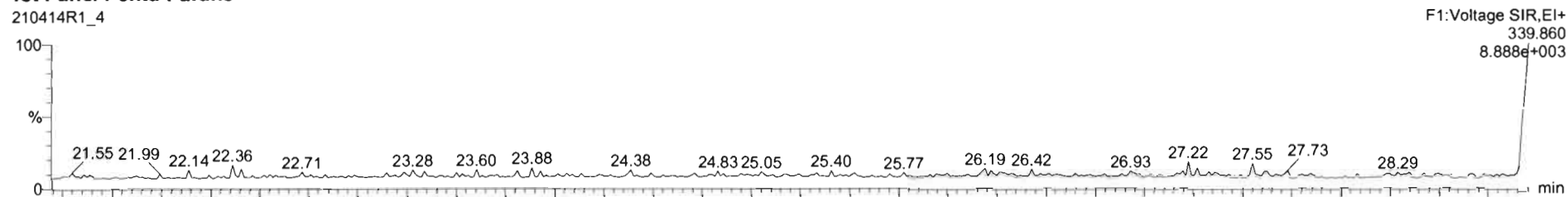
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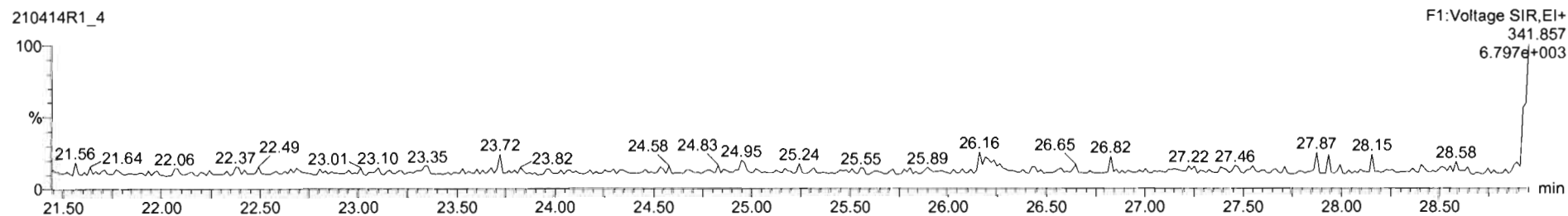
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1st Func. Penta-Furans

210414R1\_4

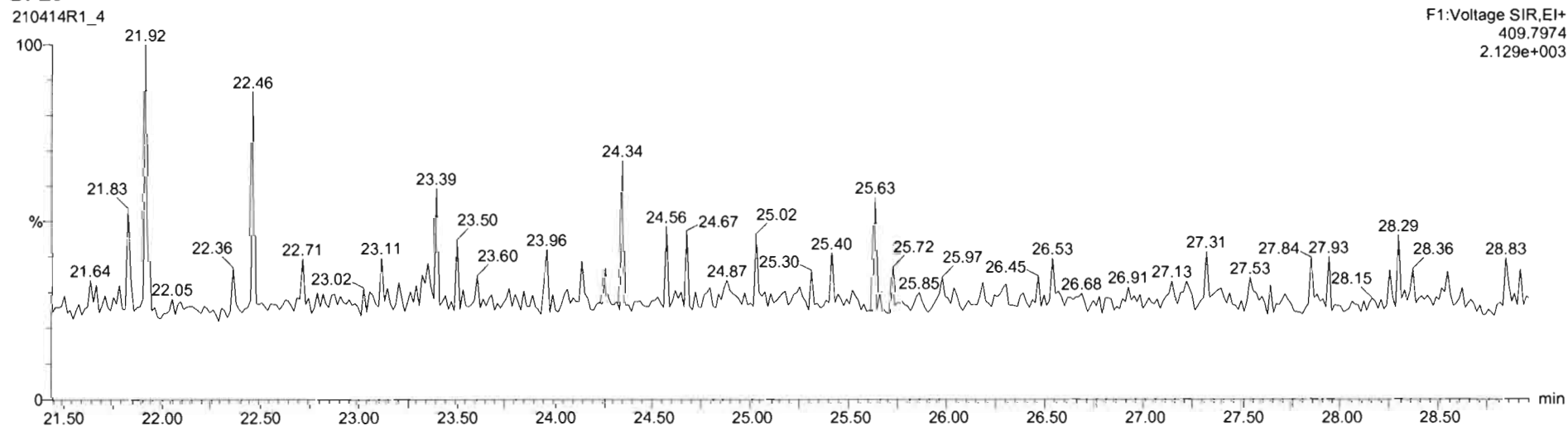


210414R1\_4



DPE6

210414R1\_4

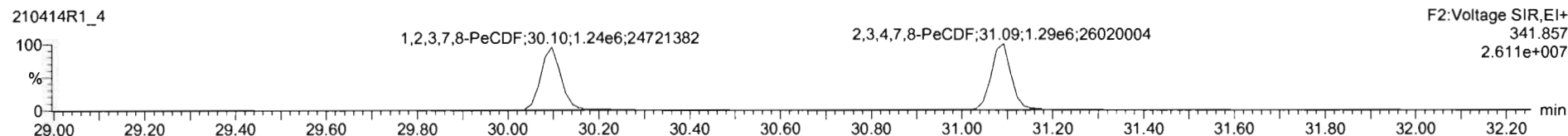
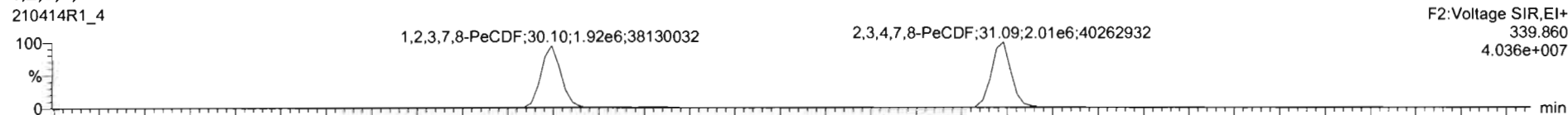


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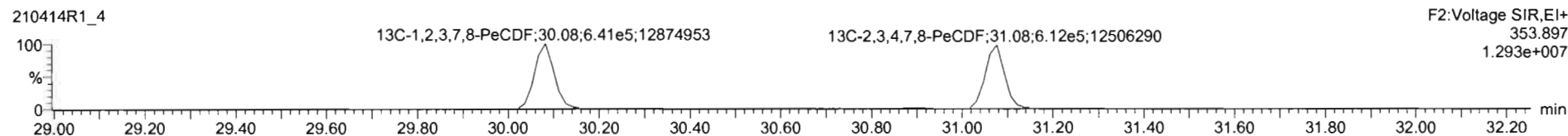
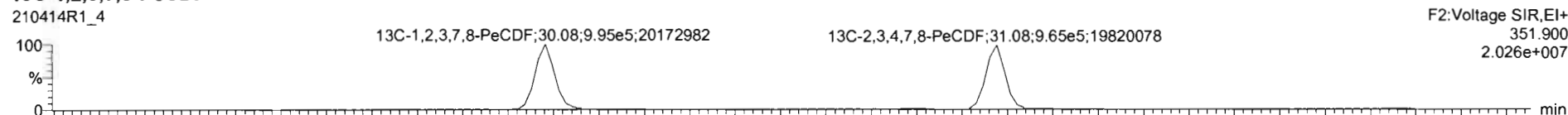
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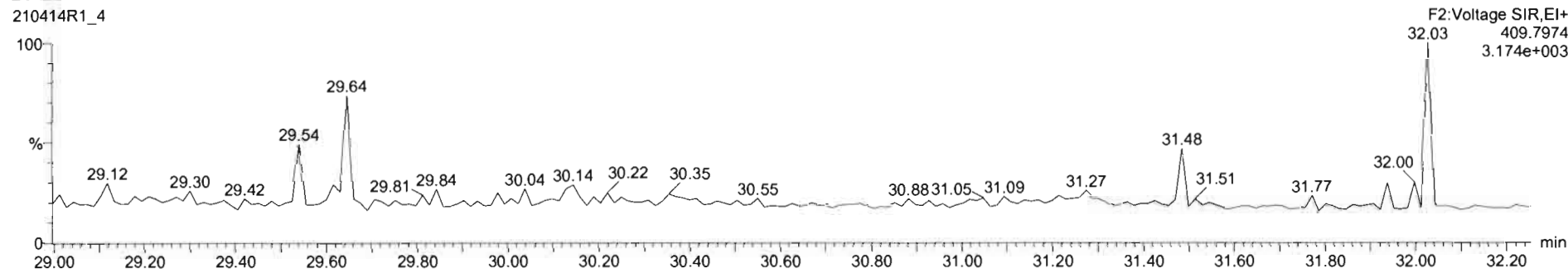
**1,2,3,7,8-PeCDF**



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



**DPE2**



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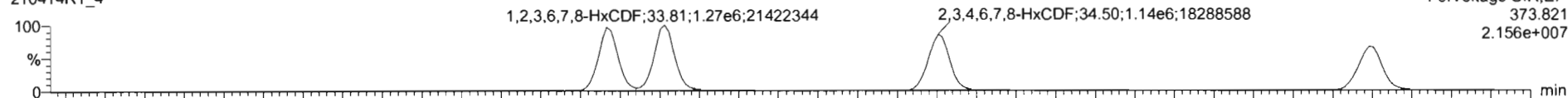
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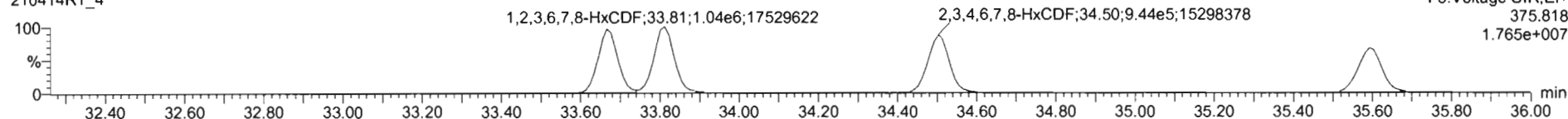
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**1,2,3,4,7,8-HxCDF**

210414R1\_4

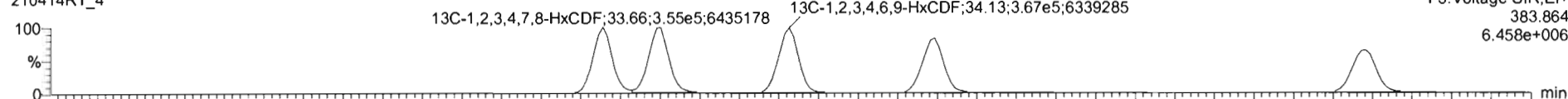


210414R1\_4

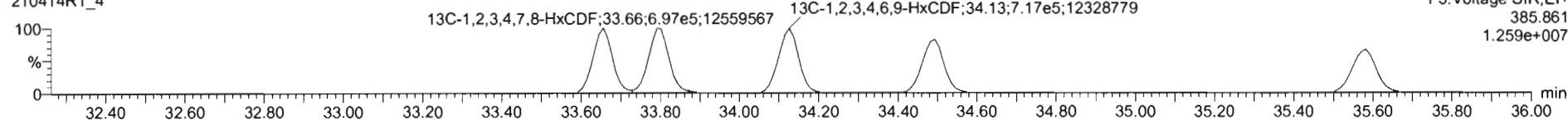


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_4

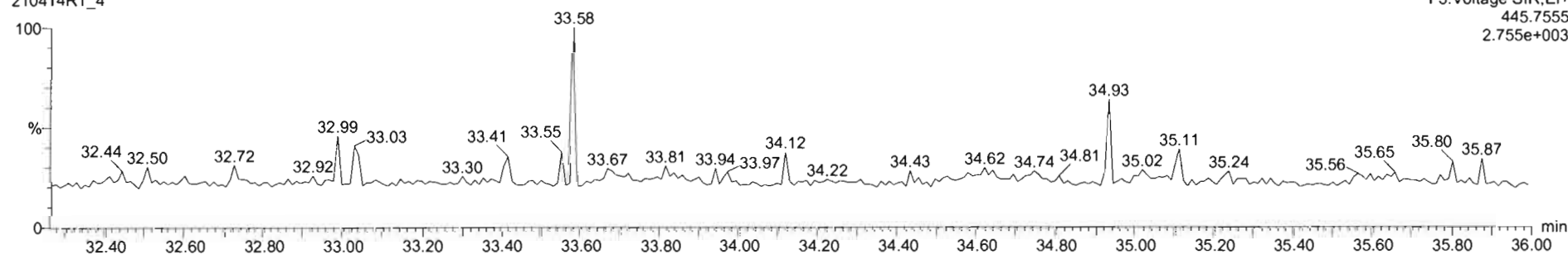


210414R1\_4



**DPE3**

210414R1\_4



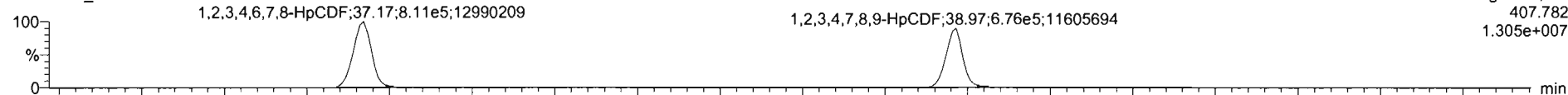
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

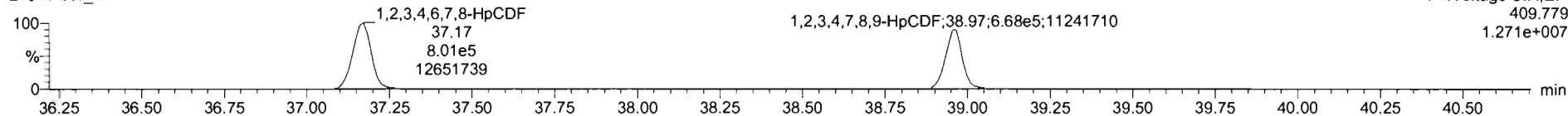
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_4

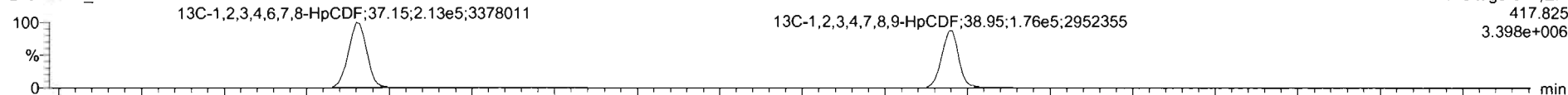


210414R1\_4

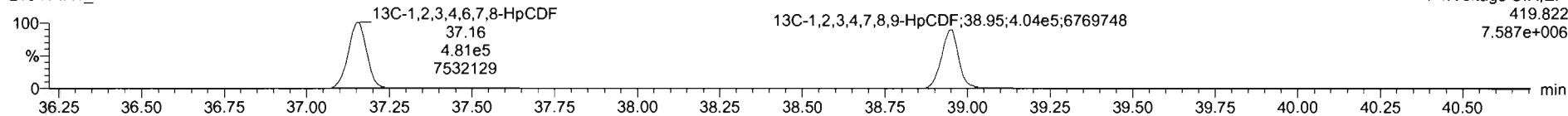


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_4

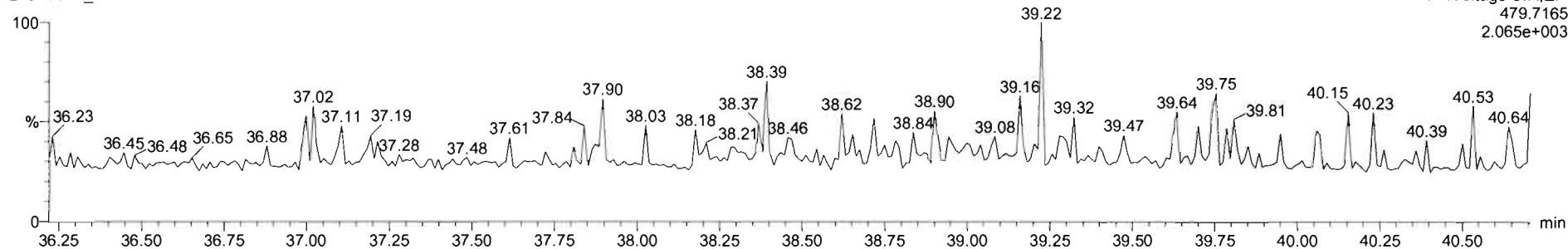


210414R1\_4



**DPE4**

210414R1\_4

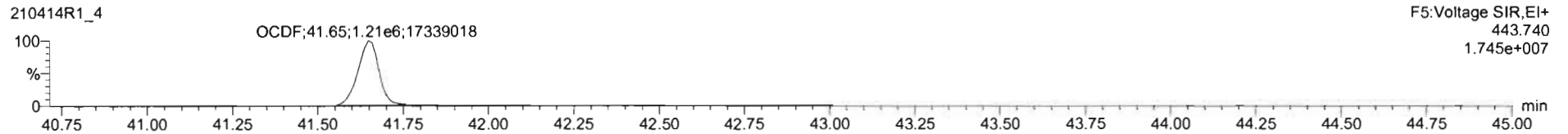
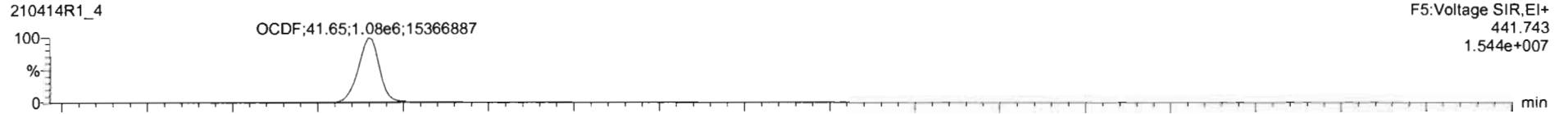


Dataset: Untitled

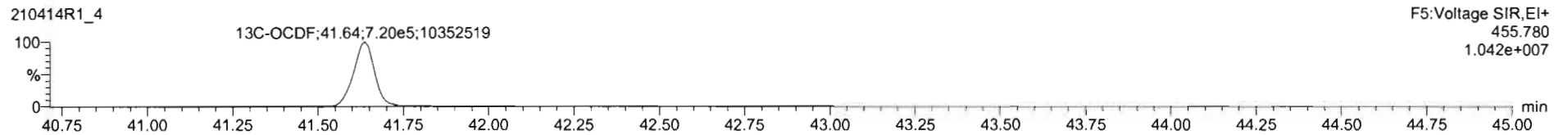
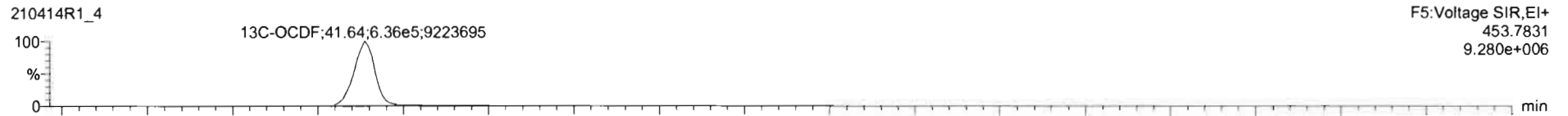
Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_4, Date: 14-Apr-2021, Time: 12:13:44, ID: ST210414R1-4 1613 CS4 21C0106, Description: 1613 CS4 21C0106

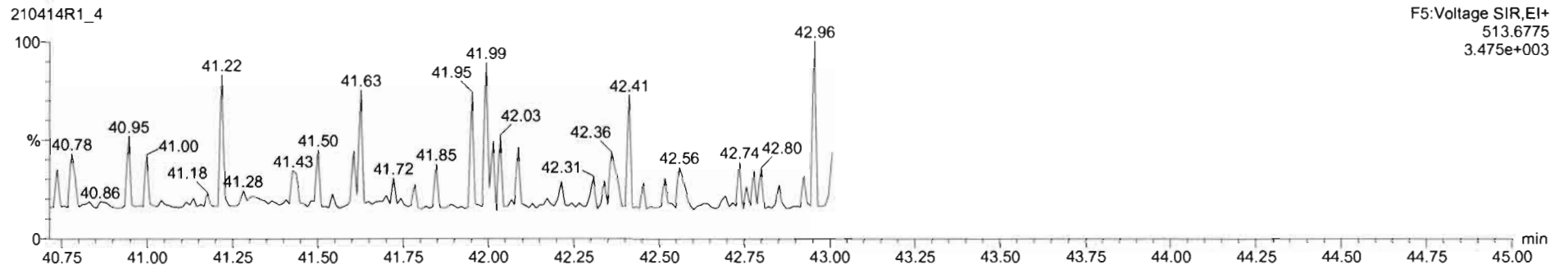
**OCDF**



**13C-OCDF**



**DPE5**

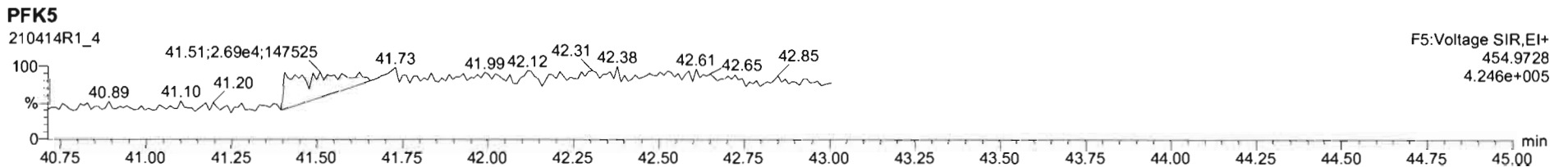
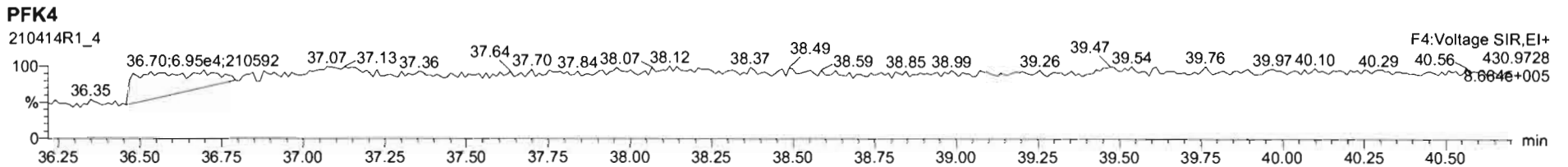
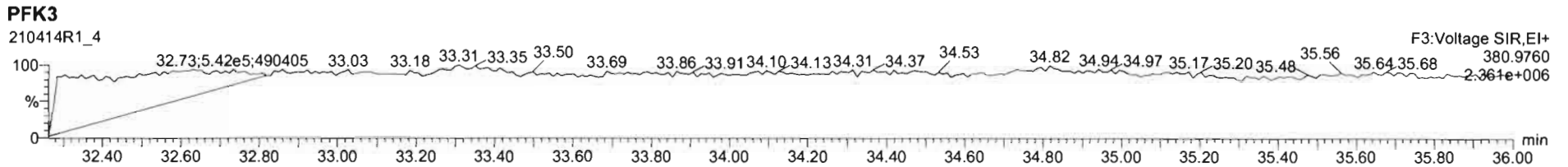
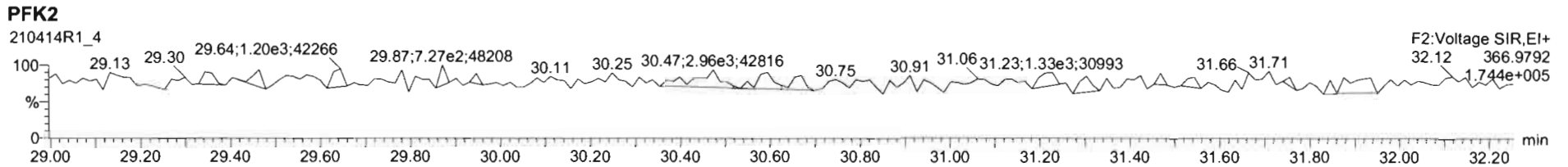
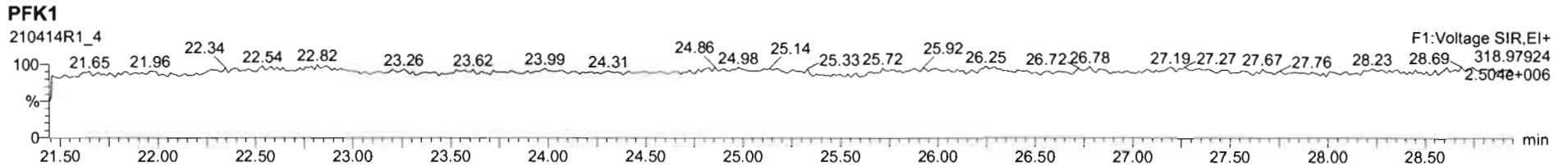


Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_4, Date: 14-Apr-2021, Time: 12:13:44, ID: ST210414R1-4 1613 CS4 21C0106, Description: 1613 CS4 21C0106



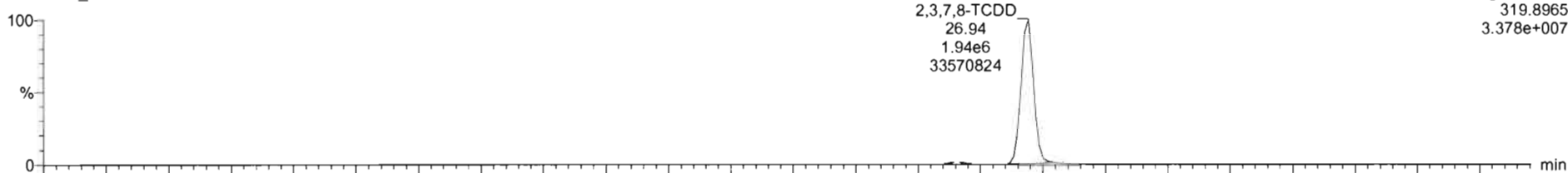
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

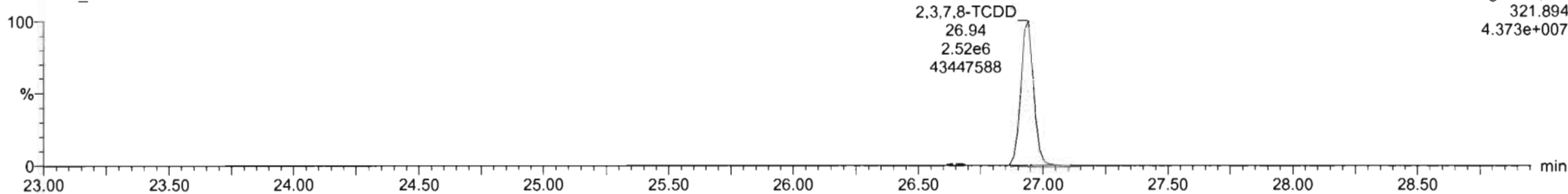
**2,3,7,8-TCDD**

210414R1\_5



F1:Voltage SIR,EI+  
319.8965  
3.378e+007

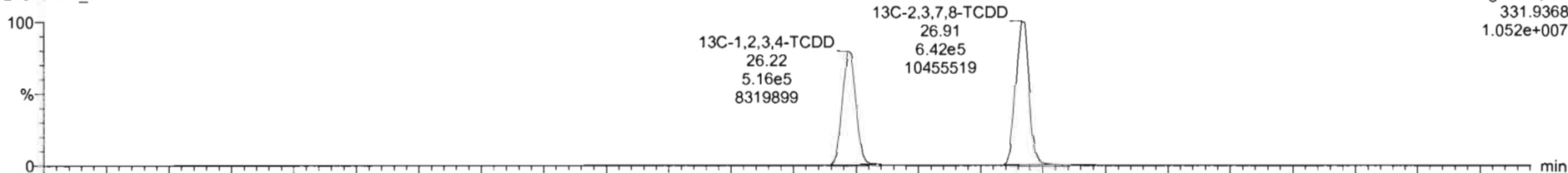
210414R1\_5



F1:Voltage SIR,EI+  
321.894  
4.373e+007

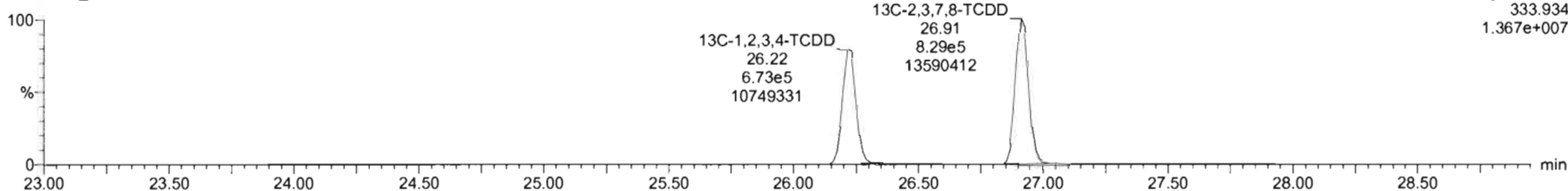
**13C-2,3,7,8-TCDD**

210414R1\_5



F1:Voltage SIR,EI+  
331.9368  
1.052e+007

210414R1\_5



F1:Voltage SIR,EI+  
333.934  
1.367e+007

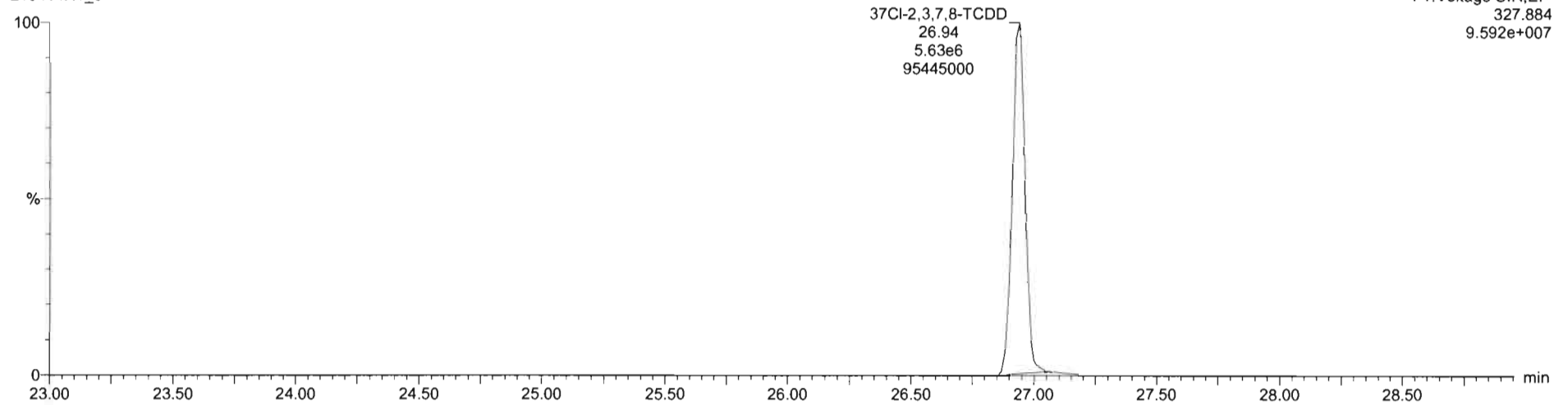
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

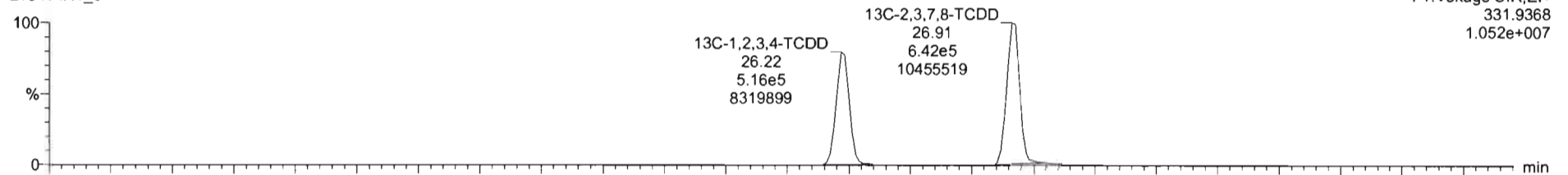
**37Cl-2,3,7,8-TCDD**

210414R1\_5

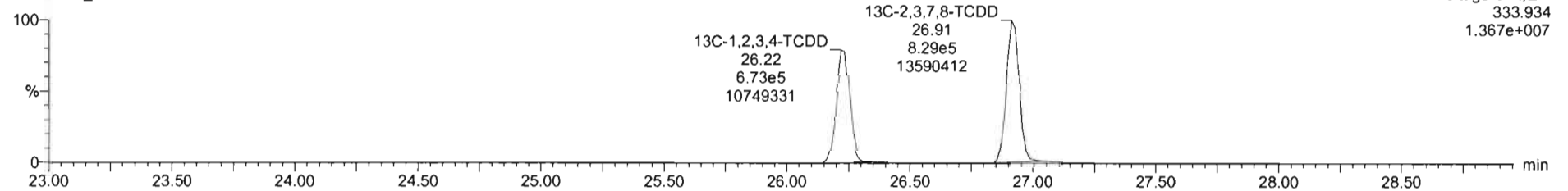


**13C-1,2,3,4-TCDD**

210414R1\_5



210414R1\_5





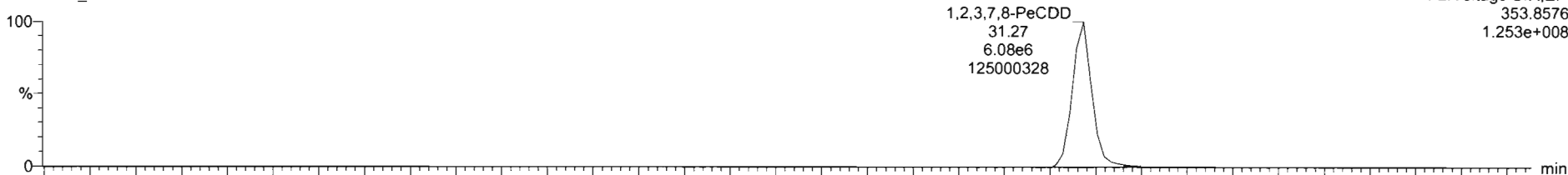
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

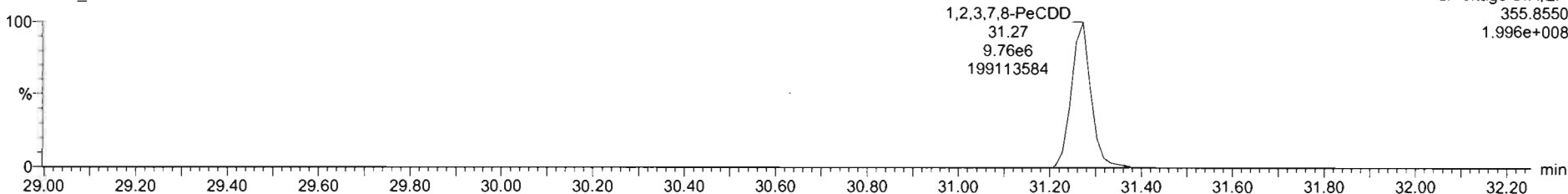
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

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

210414R1\_5

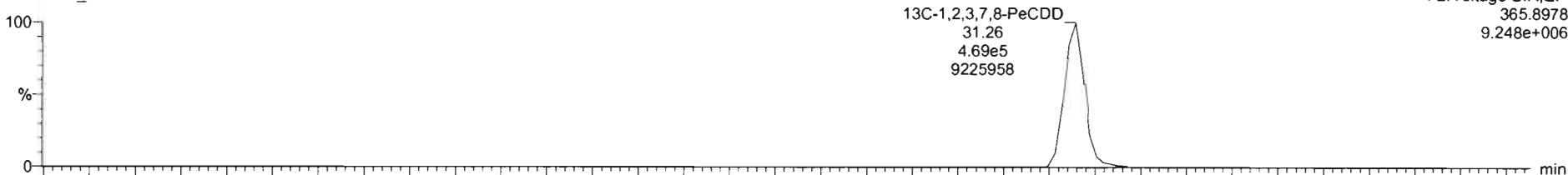


210414R1\_5

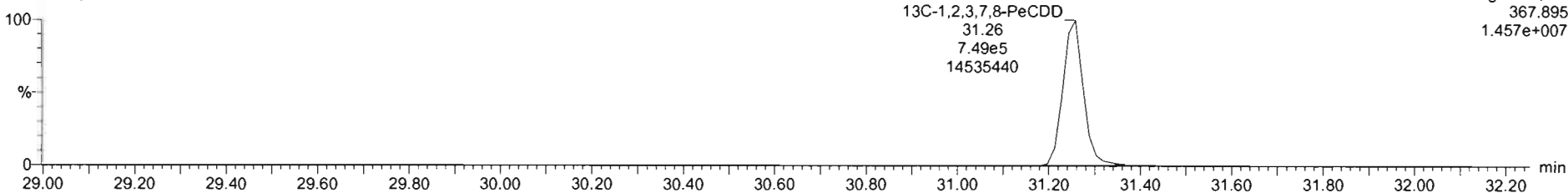


**13C-1,2,3,7,8-PeCDD**

210414R1\_5



210414R1\_5



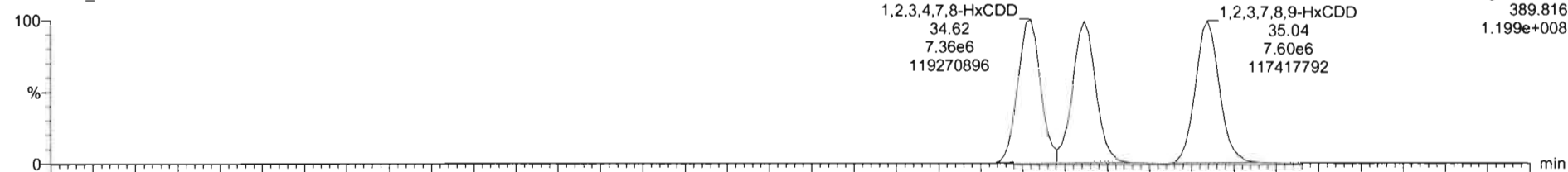
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

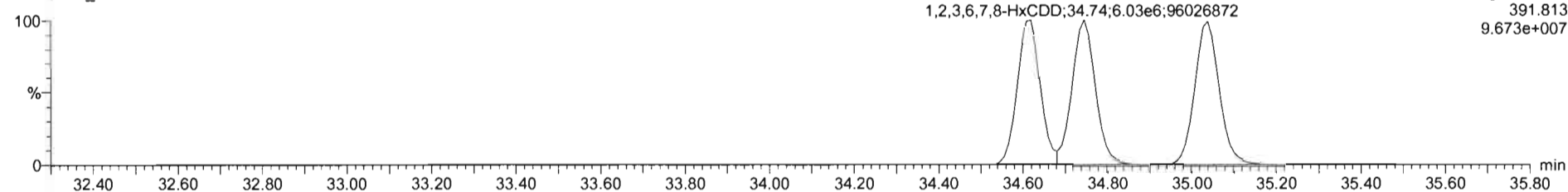
**1,2,3,4,7,8-HxCDD**

210414R1\_5



F3:Voltage SIR,EI+  
389.816  
1.199e+008

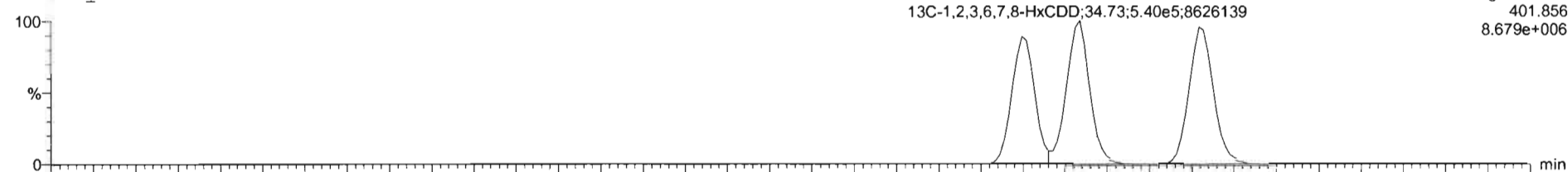
210414R1\_5



F3:Voltage SIR,EI+  
391.813  
9.673e+007

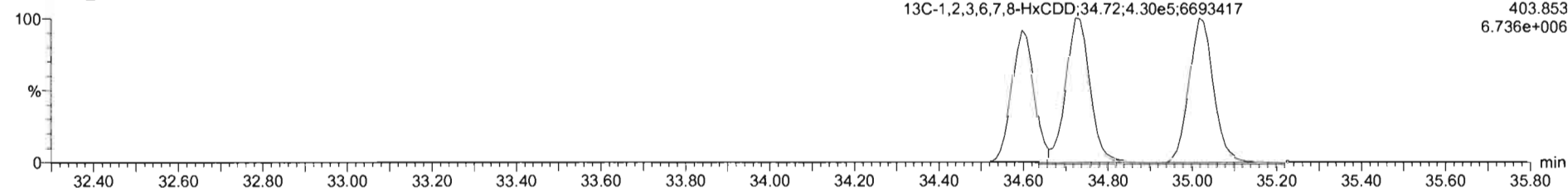
**13C-1,2,3,4,7,8-HxCDD**

210414R1\_5



F3:Voltage SIR,EI+  
401.856  
8.679e+006

210414R1\_5



F3:Voltage SIR,EI+  
403.853  
6.736e+006

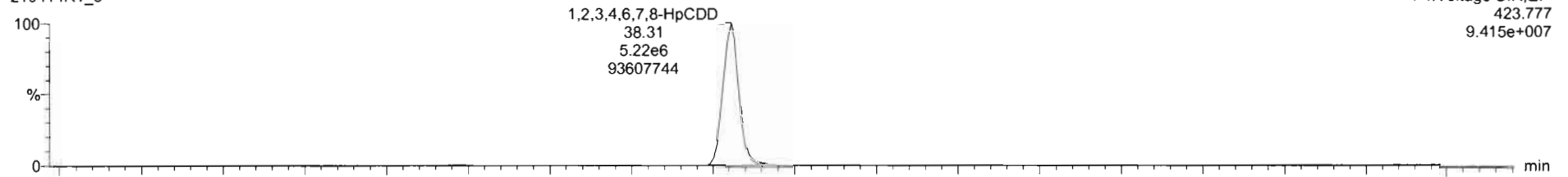
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

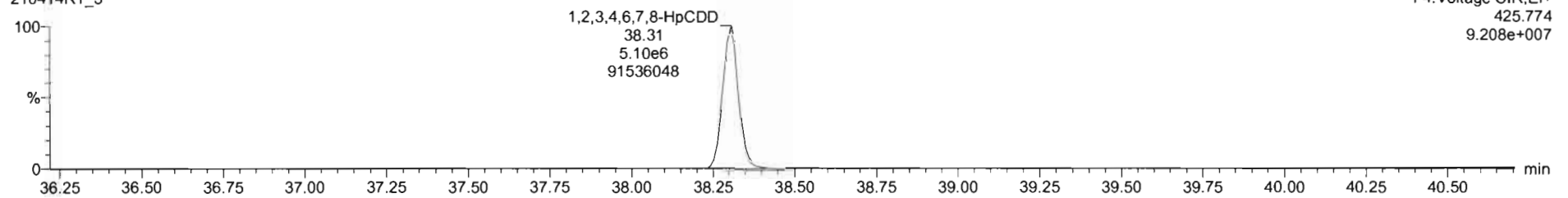
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

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

210414R1\_5

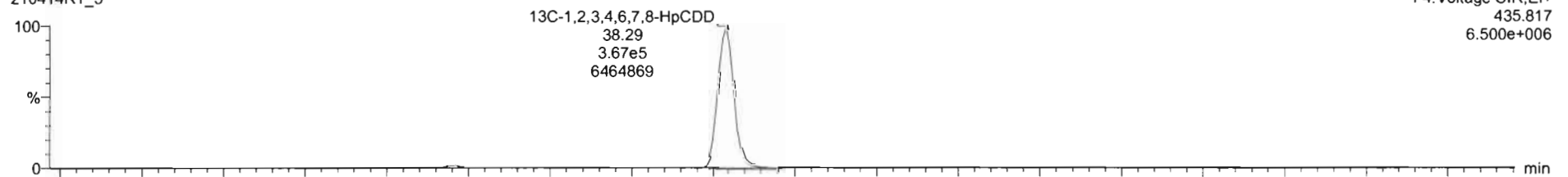


210414R1\_5

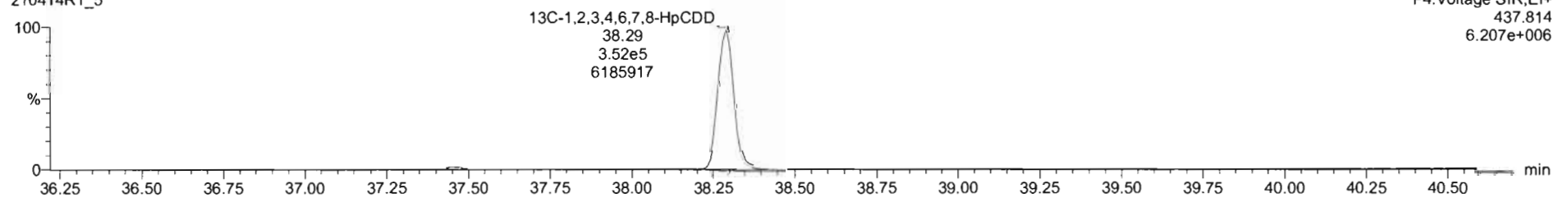


**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_5



210414R1\_5



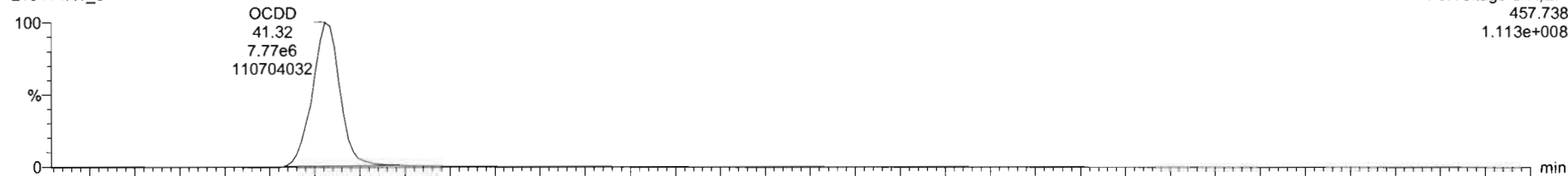
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

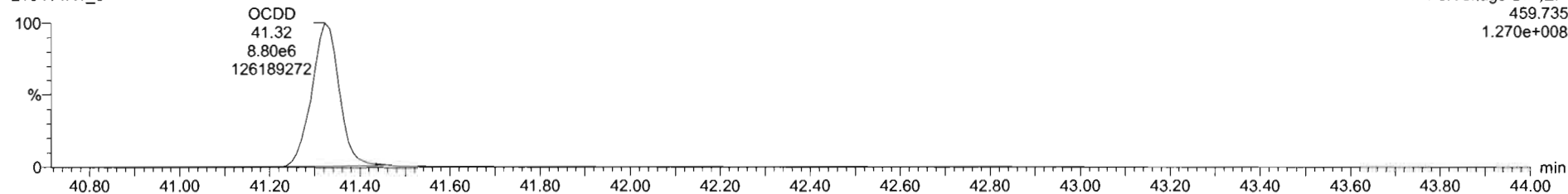
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

**OCDD**

210414R1\_5

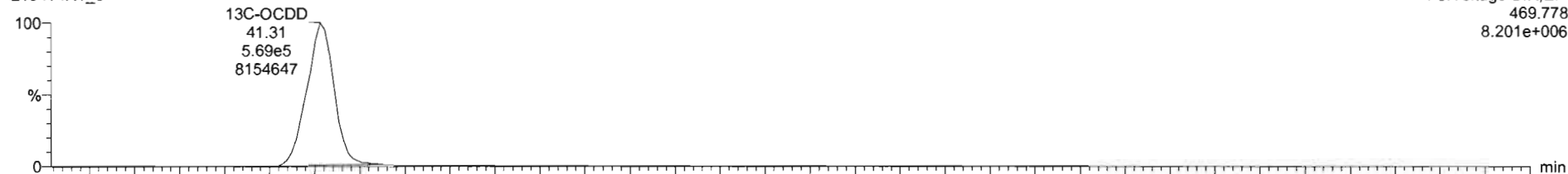


210414R1\_5

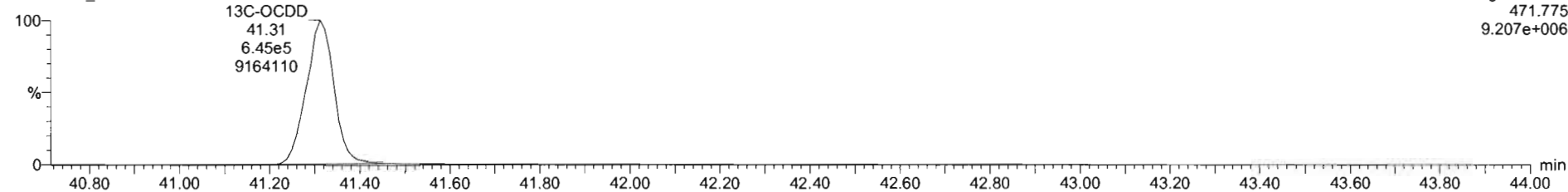


**13C-OCDD**

210414R1\_5



210414R1\_5



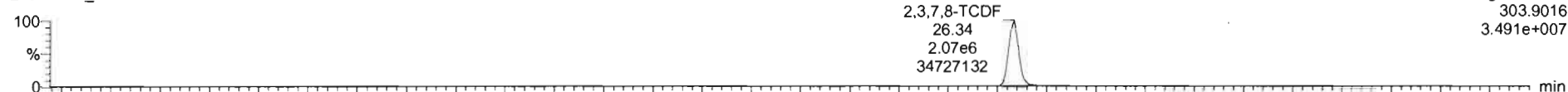
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

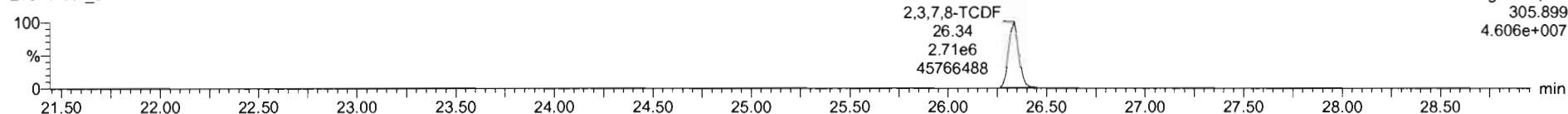
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

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

210414R1\_5

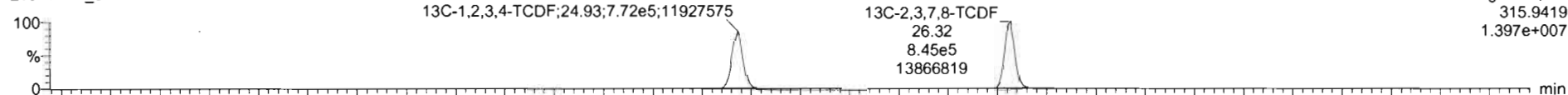


210414R1\_5

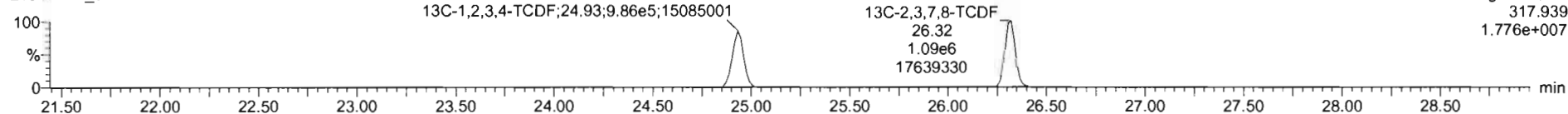


**13C-2,3,7,8-TCDF**

210414R1\_5

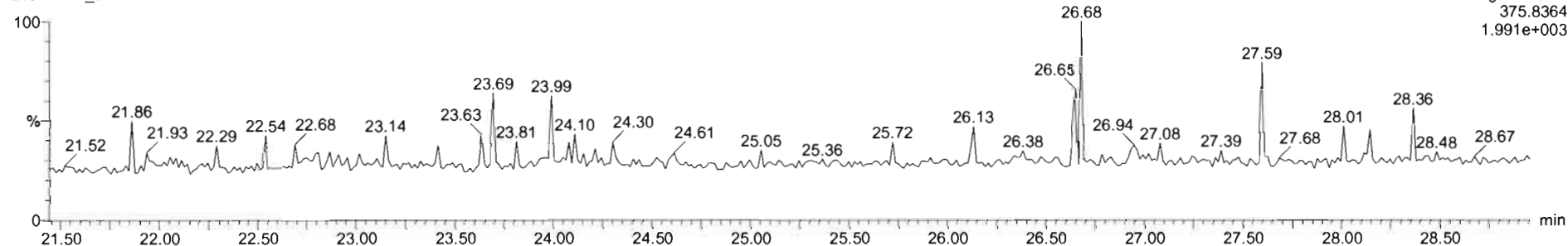


210414R1\_5



**DPE1**

210414R1\_5



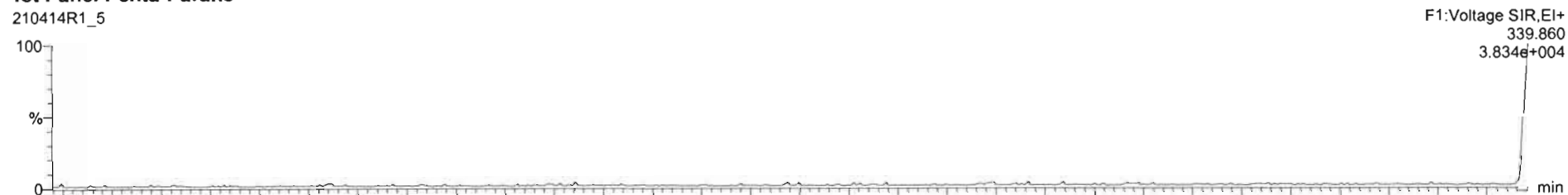
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

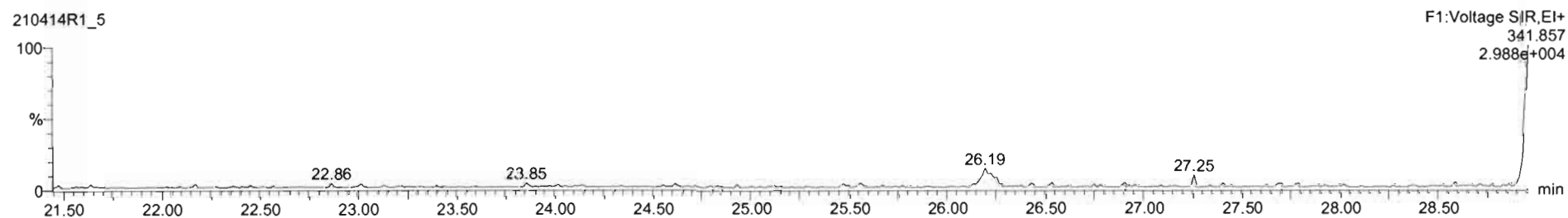
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

1st Func. Penta-Furans

210414R1\_5

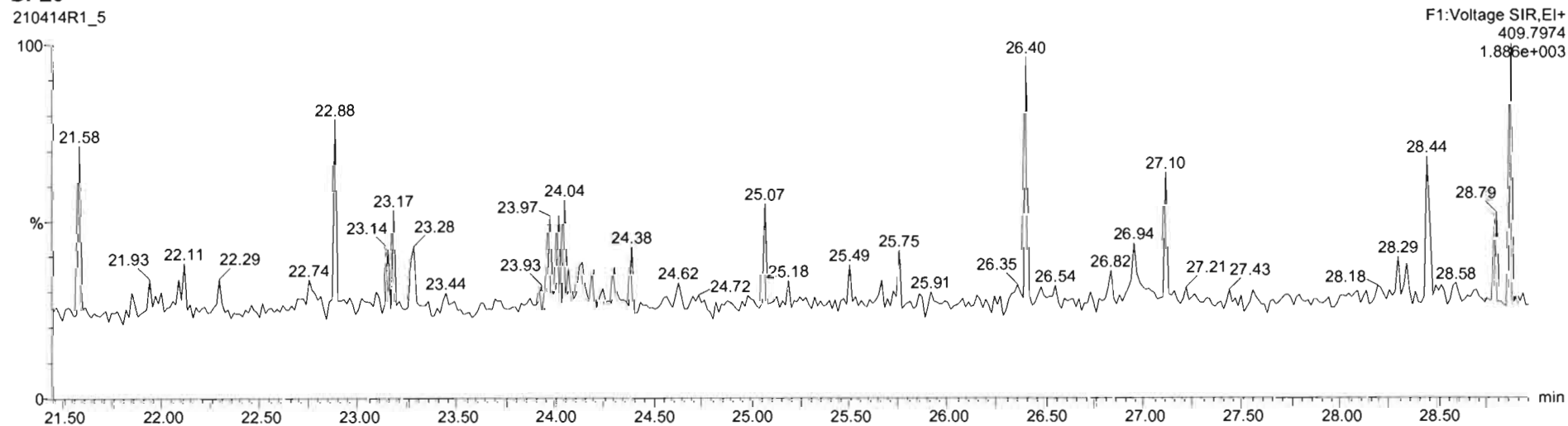


210414R1\_5



DPE6

210414R1\_5



Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

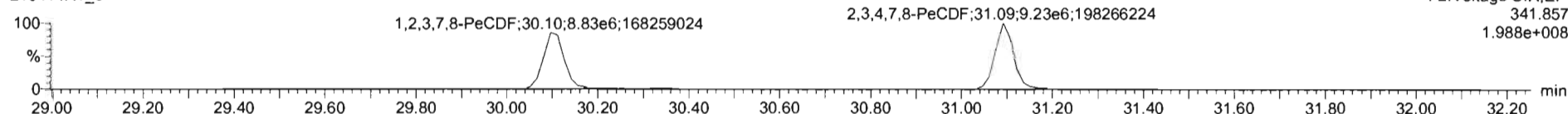
**1,2,3,7,8-PeCDF**

210414R1\_5



F2:Voltage SIR,EI+  
339.860  
3.049e+008

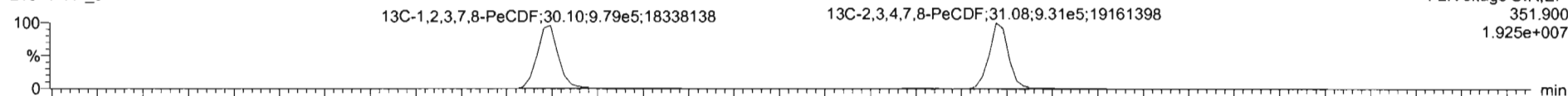
210414R1\_5



F2:Voltage SIR,EI+  
341.857  
1.988e+008

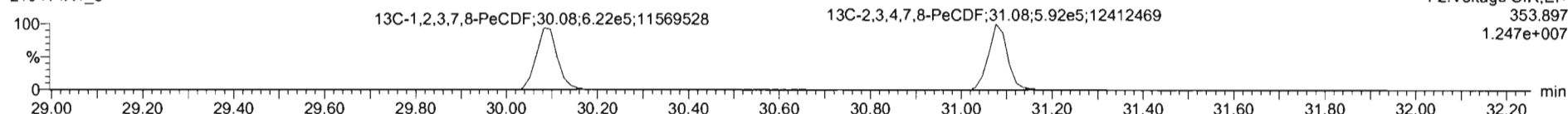
**13C-1,2,3,7,8-PeCDF**

210414R1\_5



F2:Voltage SIR,EI+  
351.900  
1.925e+007

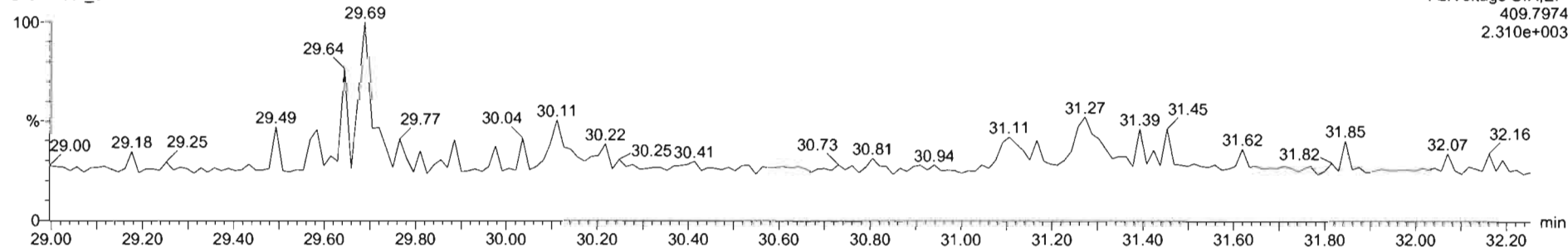
210414R1\_5



F2:Voltage SIR,EI+  
353.897  
1.247e+007

**DPE2**

210414R1\_5



F2:Voltage SIR,EI+  
409.7974  
2.310e+003

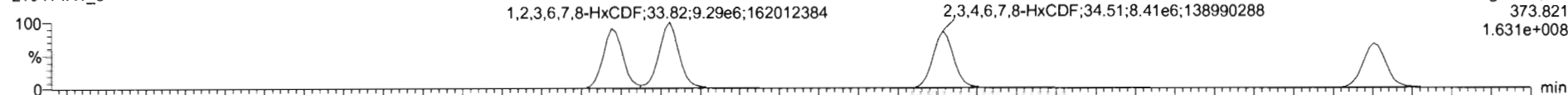
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

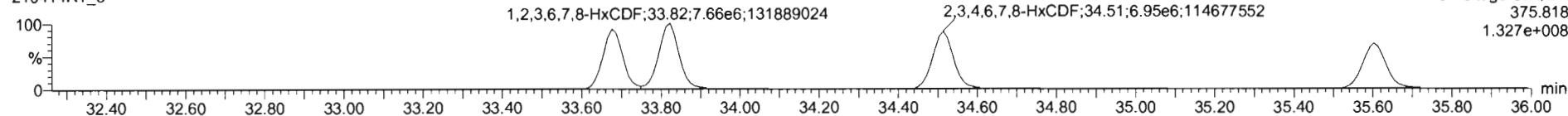
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

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

210414R1\_5

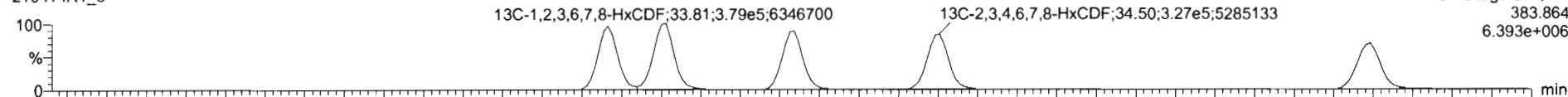


210414R1\_5

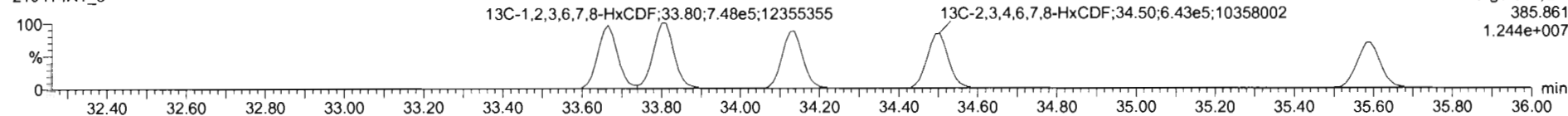


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_5

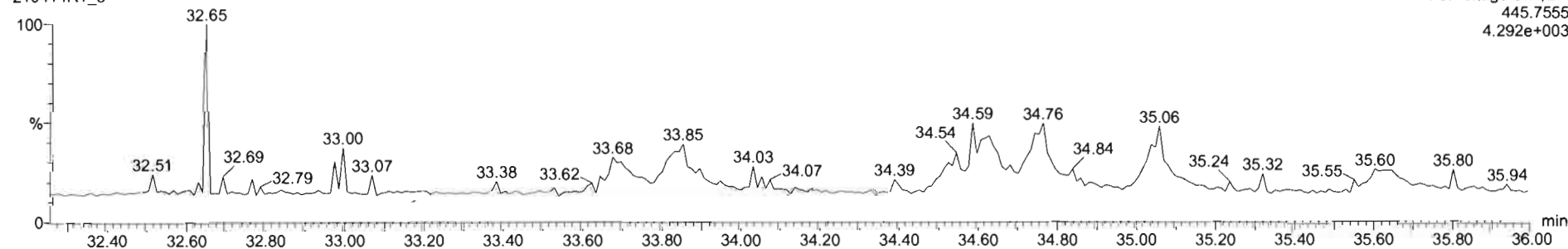


210414R1\_5



**DPE3**

210414R1\_5





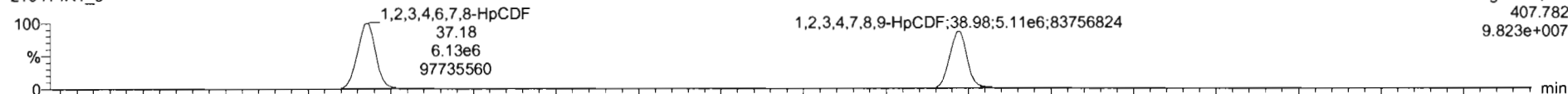
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

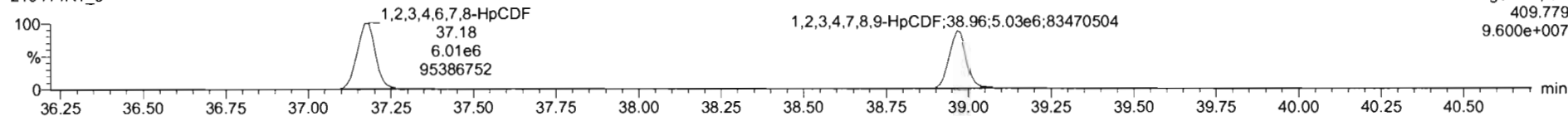
1,2,3,4,6,7,8-HpCDF

210414R1\_5



F4:Voltage SIR,EI+  
407.782  
9.823e+007

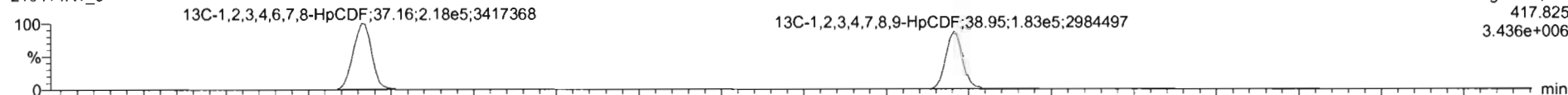
210414R1\_5



F4:Voltage SIR,EI+  
409.779  
9.600e+007

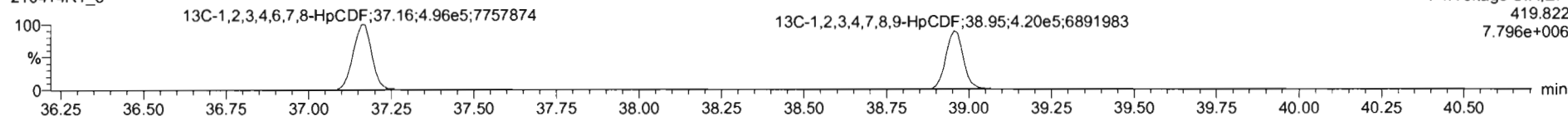
13C-1,2,3,4,6,7,8-HpCDF

210414R1\_5



F4:Voltage SIR,EI+  
417.825  
3.436e+006

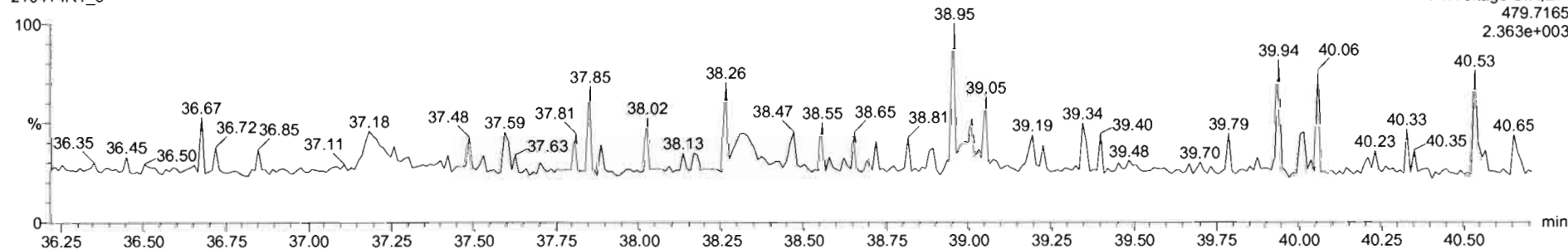
210414R1\_5



F4:Voltage SIR,EI+  
419.822  
7.796e+006

DPE4

210414R1\_5



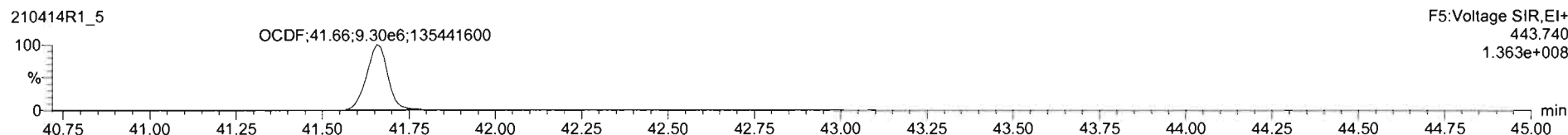
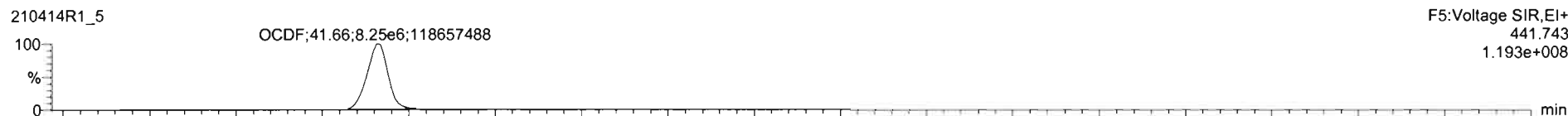
F4:Voltage SIR,EI+  
479.7165  
2.363e+003

Dataset: Untitled

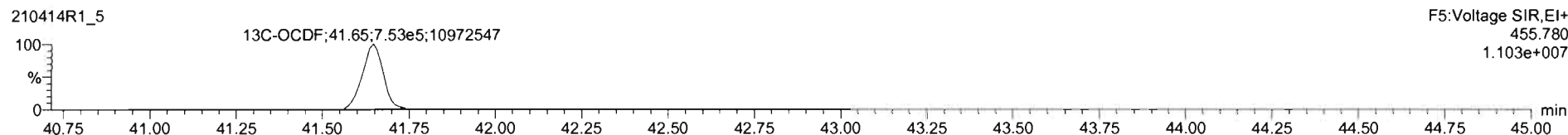
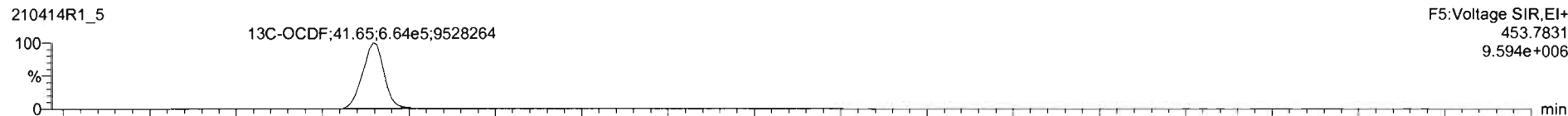
Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

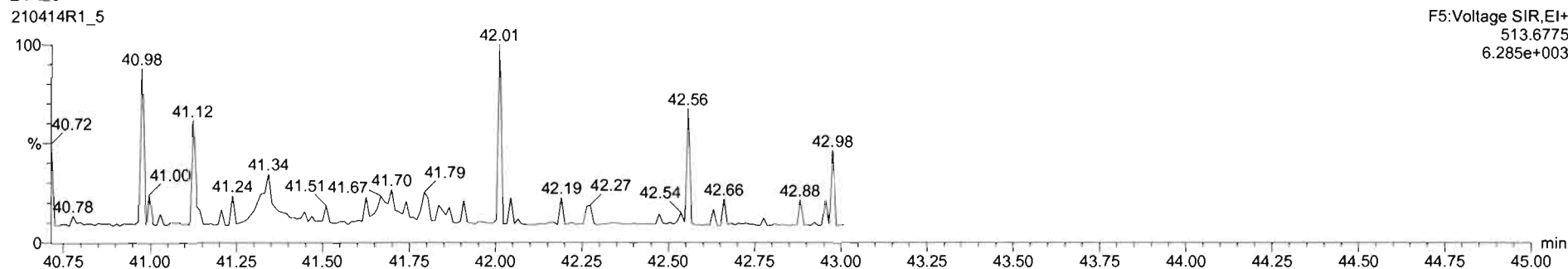
**OCDF**



**13C-OCDF**



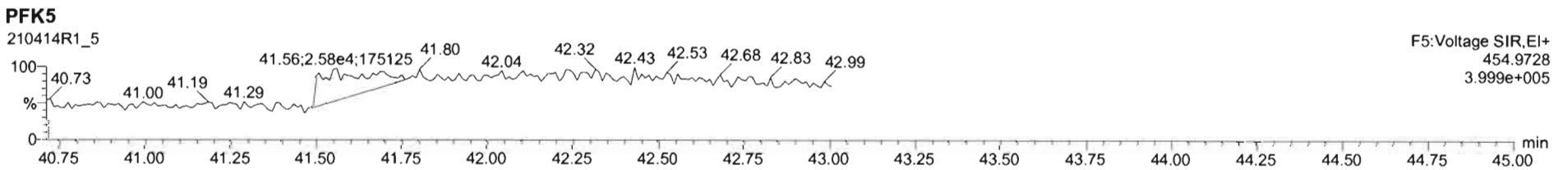
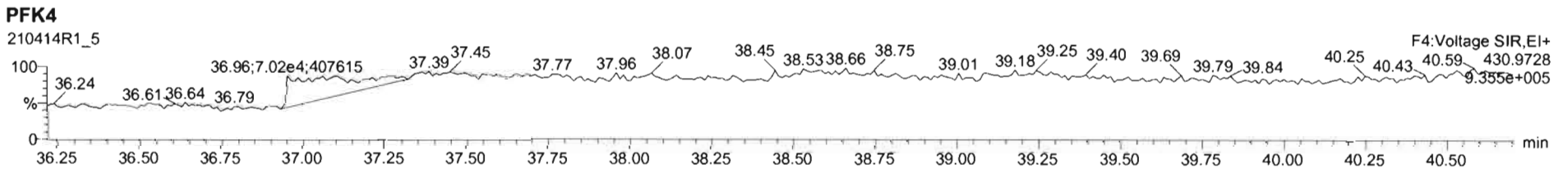
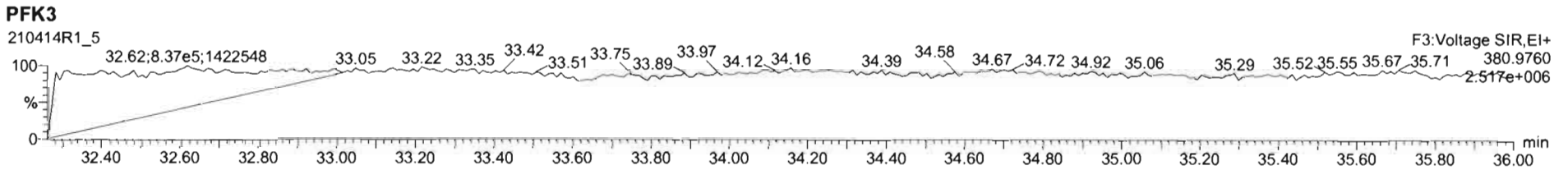
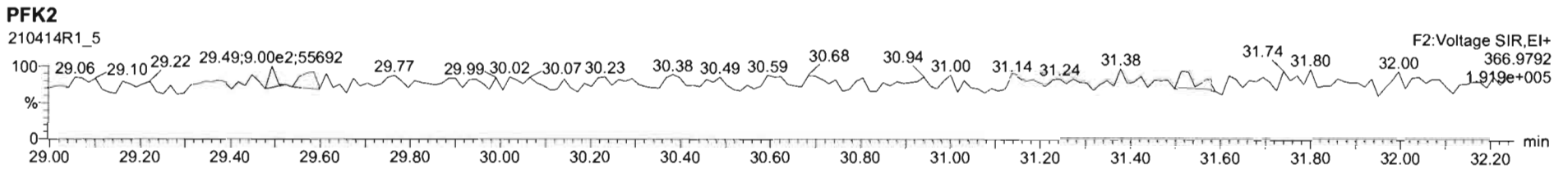
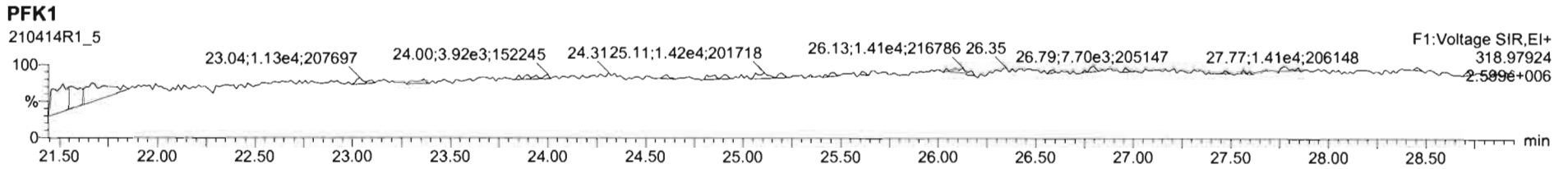
**DPE5**



Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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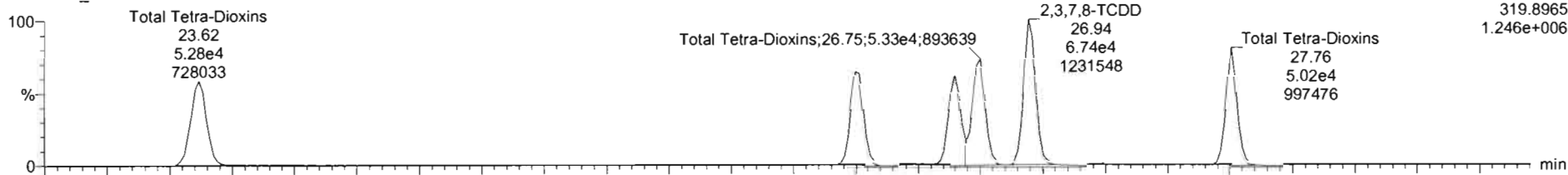
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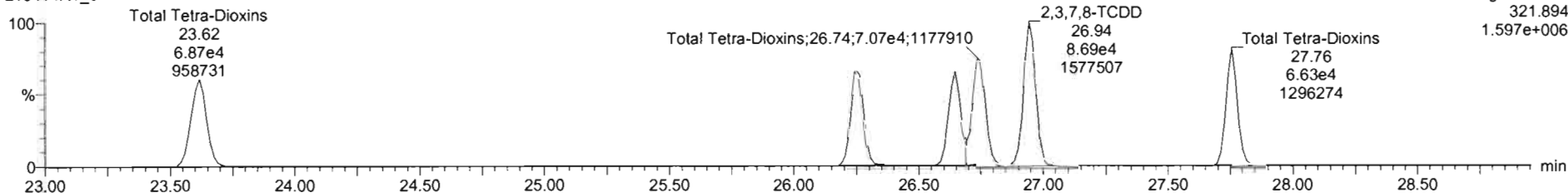
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**2,3,7,8-TCDD**

210414R1\_6

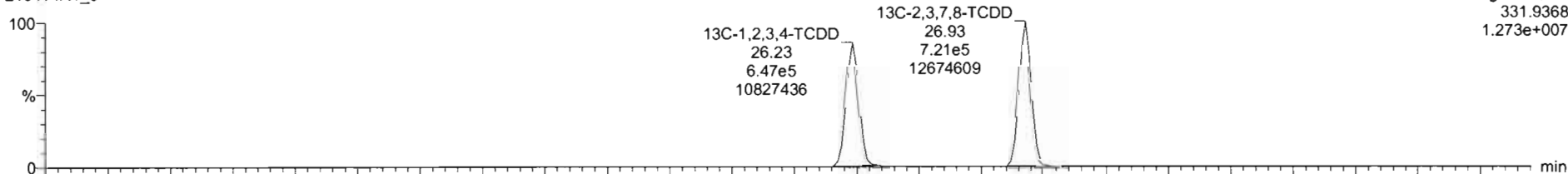


210414R1\_6

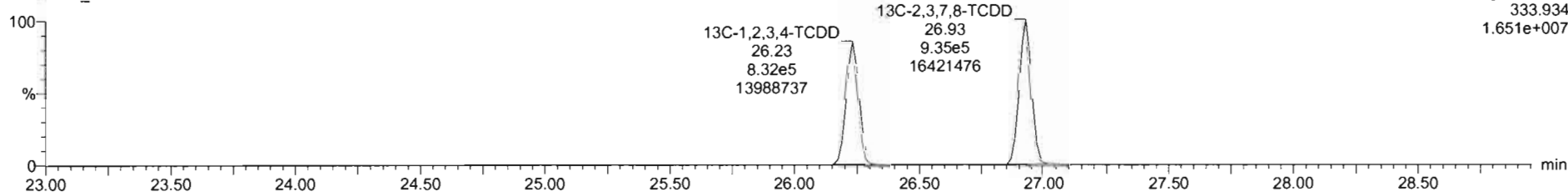


**13C-2,3,7,8-TCDD**

210414R1\_6



210414R1\_6



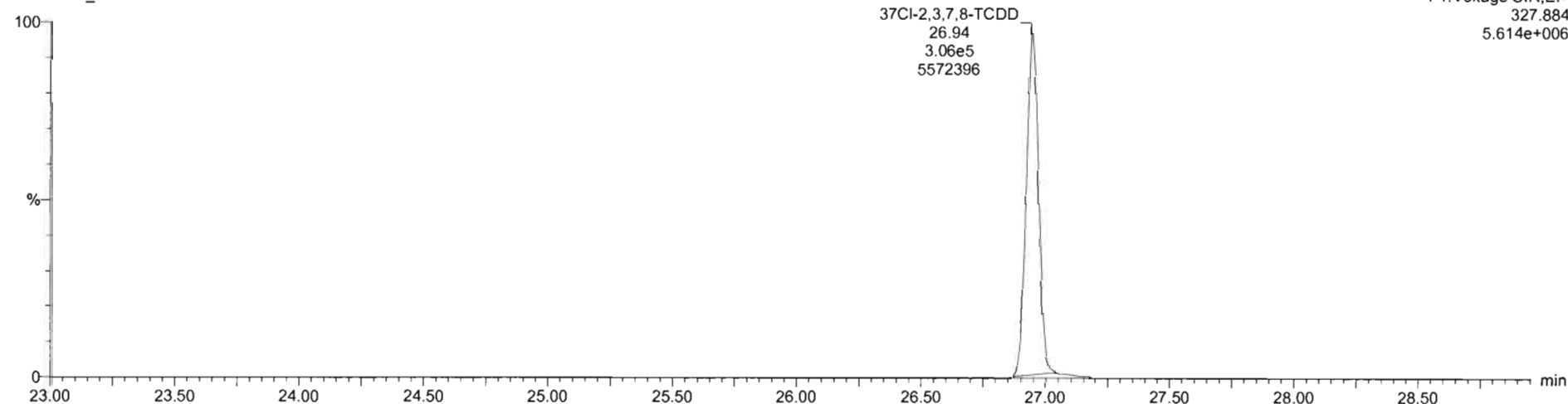
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**37Cl-2,3,7,8-TCDD**

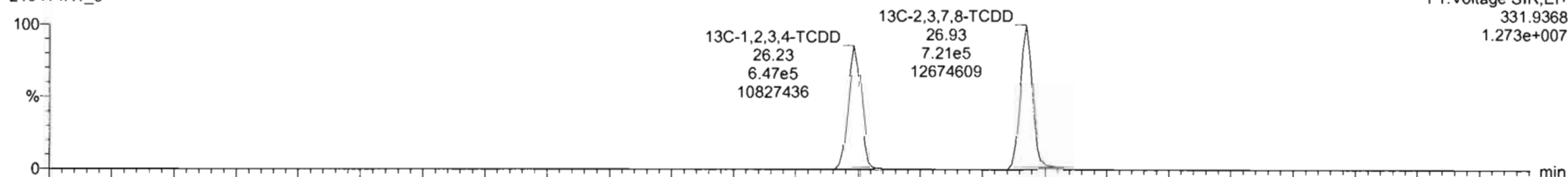
210414R1\_6



F1:Voltage SIR,EI+  
327.884  
5.614e+006

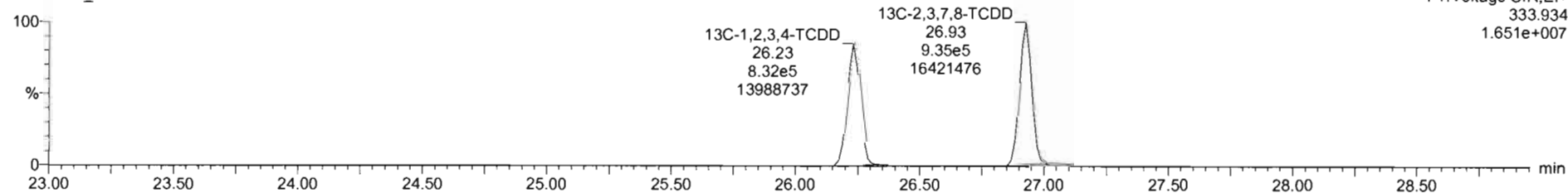
**13C-1,2,3,4-TCDD**

210414R1\_6



F1:Voltage SIR,EI+  
331.9368  
1.273e+007

210414R1\_6



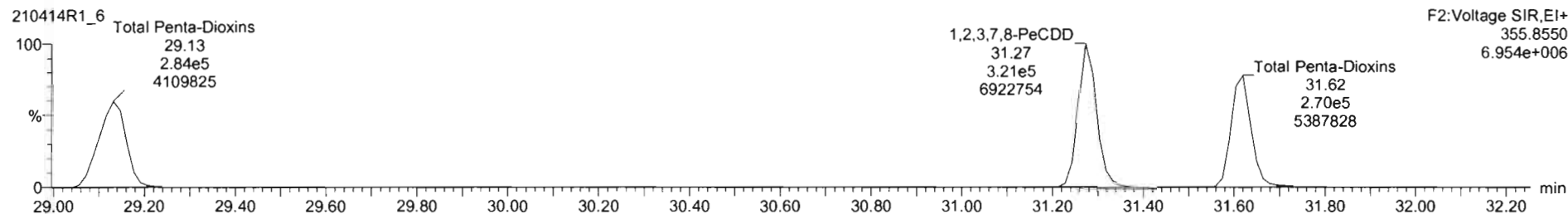
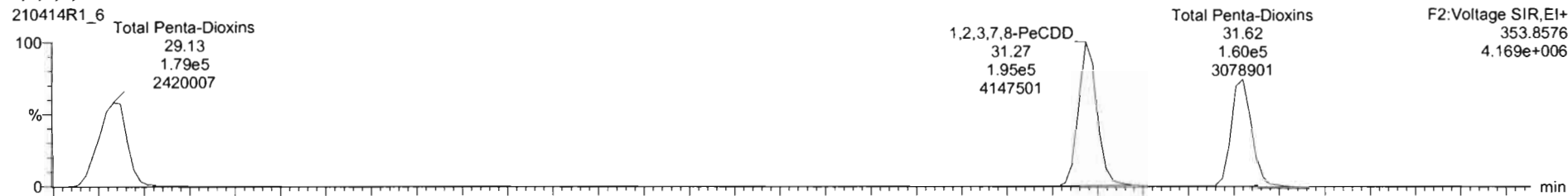
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Dataset: Untitled

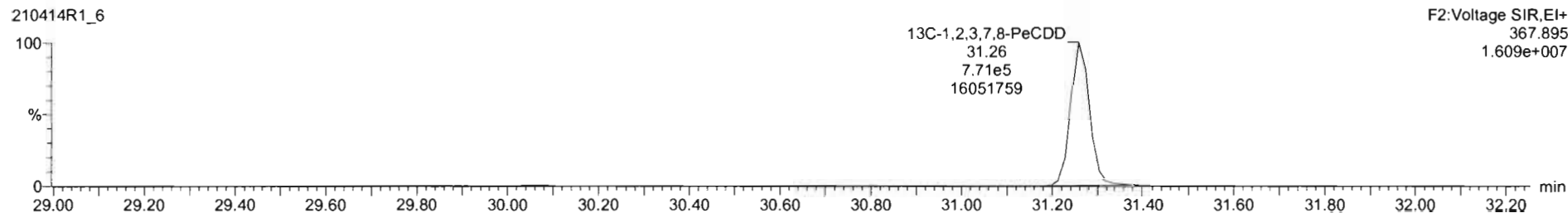
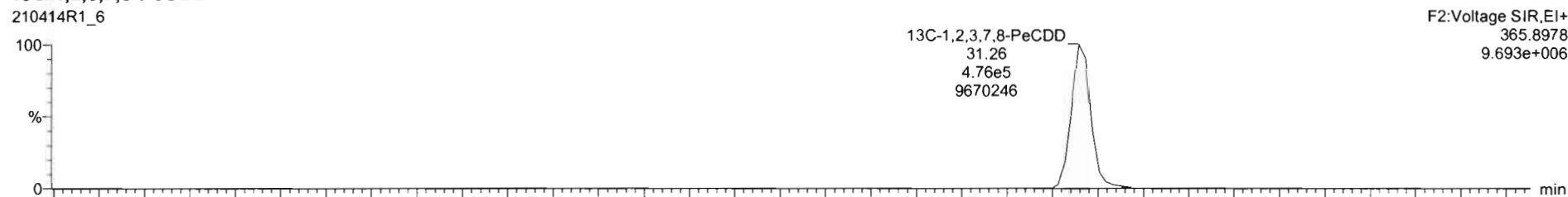
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**1,2,3,7,8-PeCDD**



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



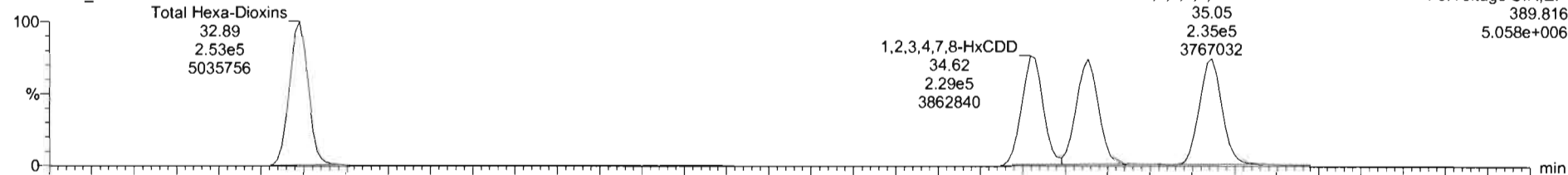
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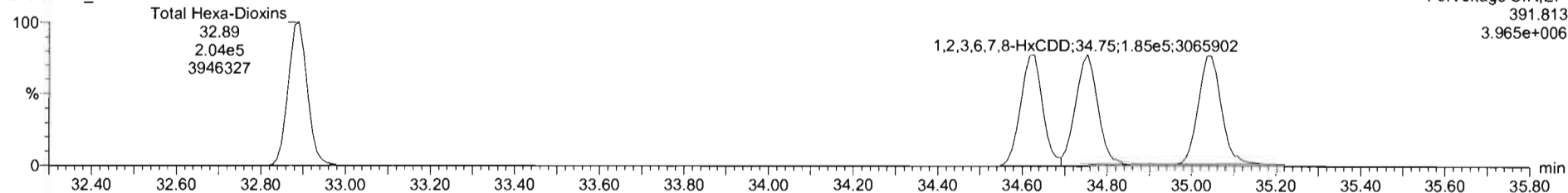
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1,2,3,4,7,8-HxCDD

210414R1\_6

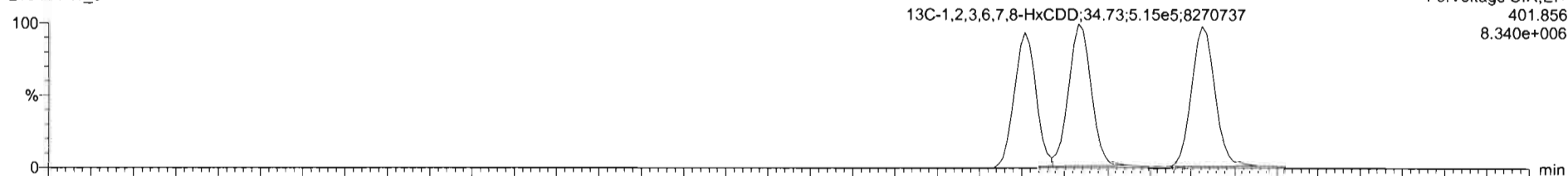


210414R1\_6

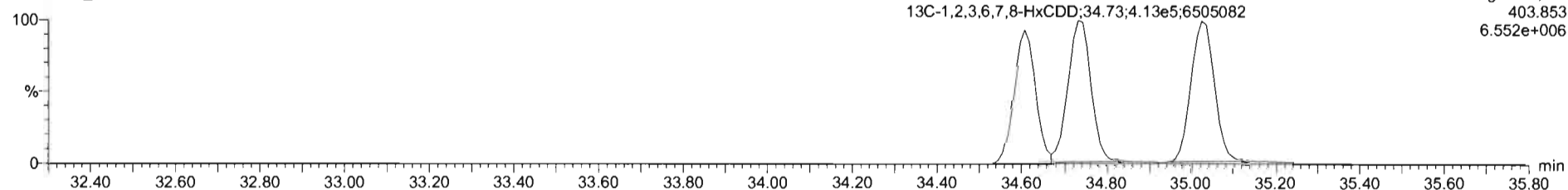


13C-1,2,3,4,7,8-HxCDD

210414R1\_6



210414R1\_6



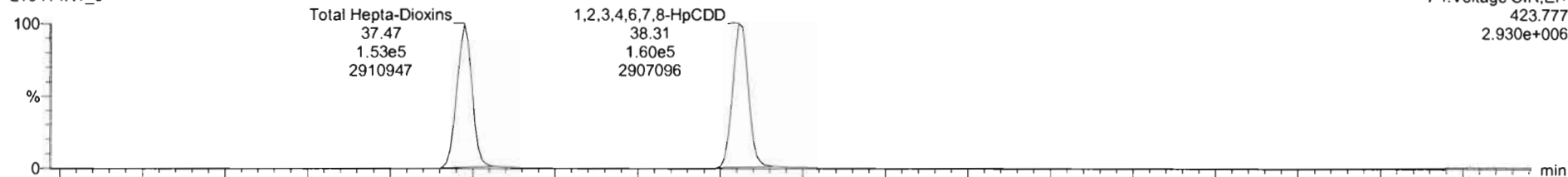
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

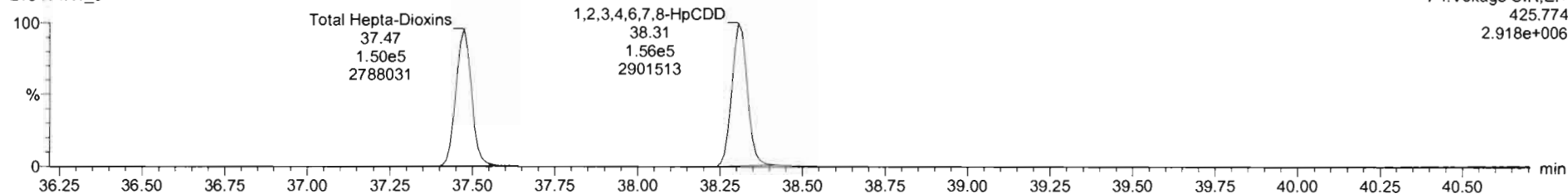
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1,2,3,4,6,7,8-HpCDD

210414R1\_6

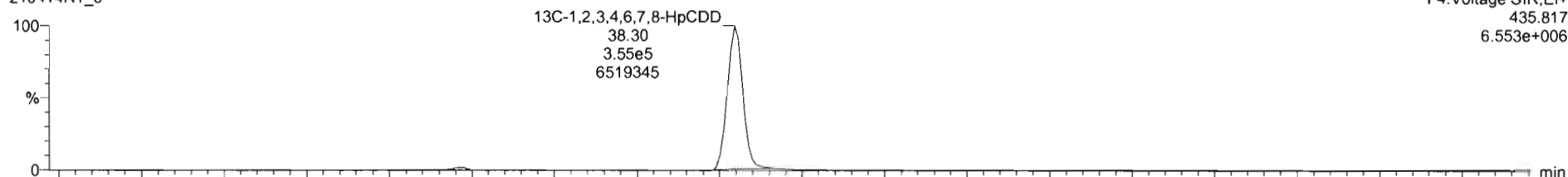


210414R1\_6

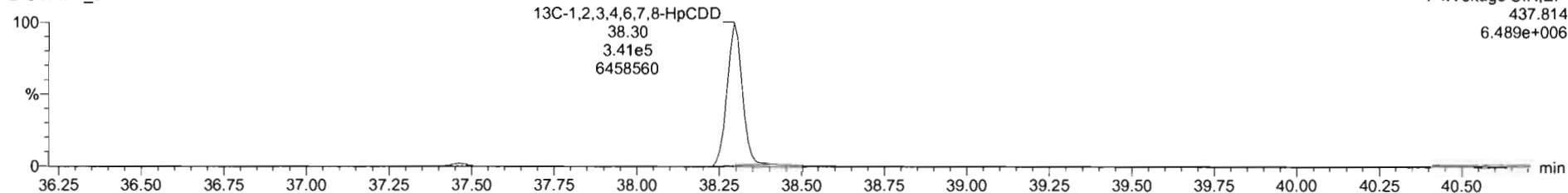


13C-1,2,3,4,6,7,8-HpCDD

210414R1\_6



210414R1\_6





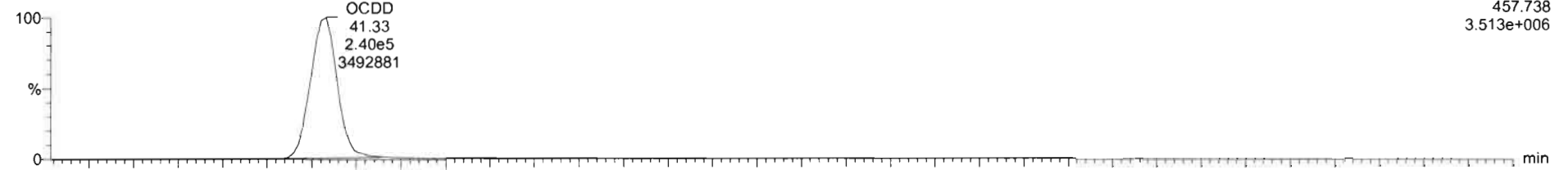
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

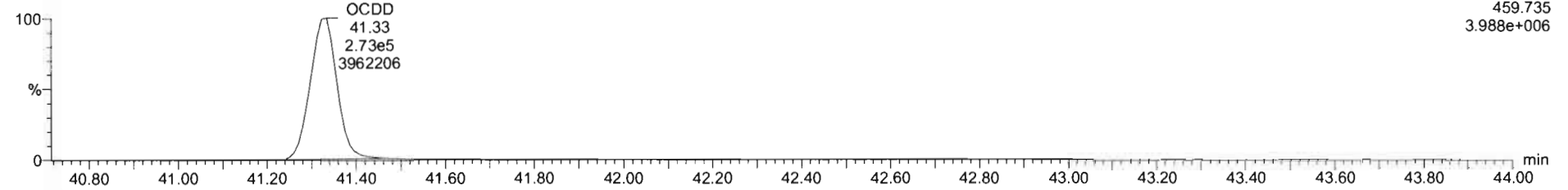
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**OCDD**

210414R1\_6

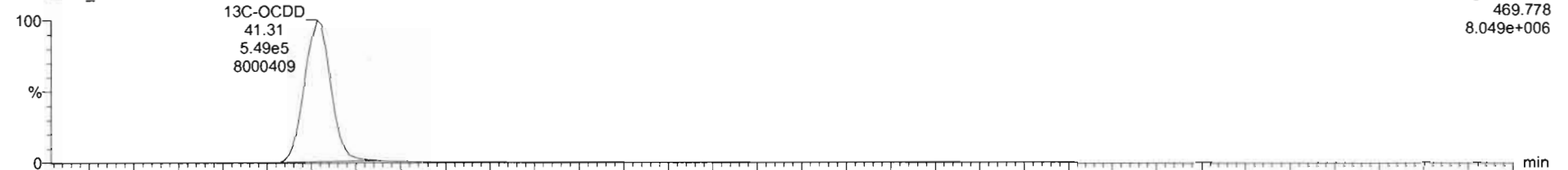


210414R1\_6

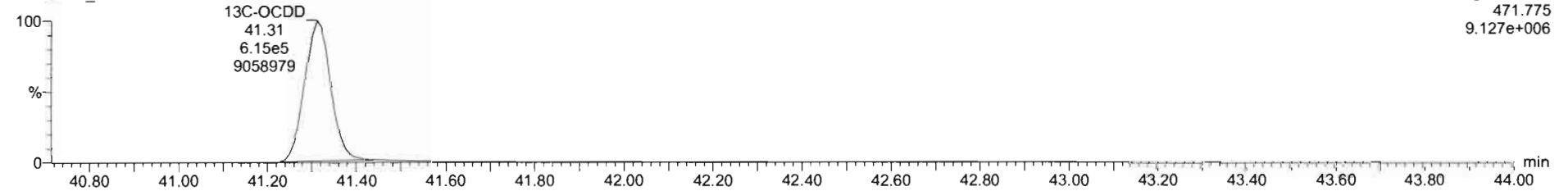


**13C-OCDD**

210414R1\_6



210414R1\_6

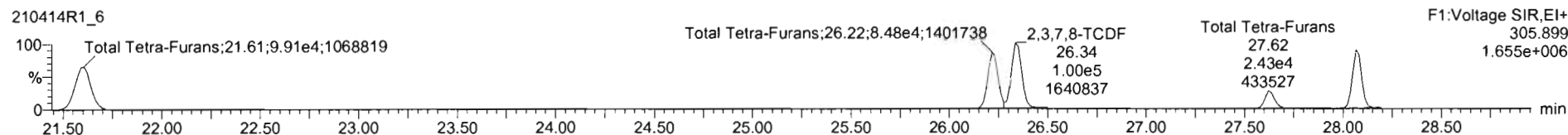
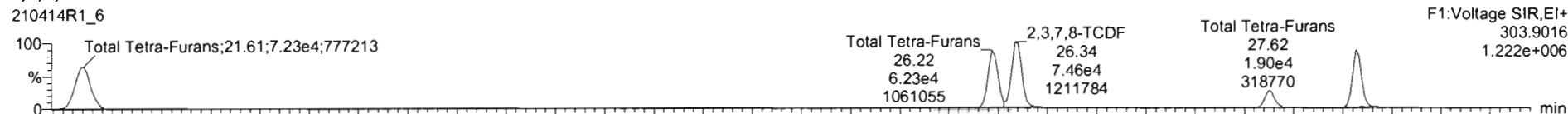


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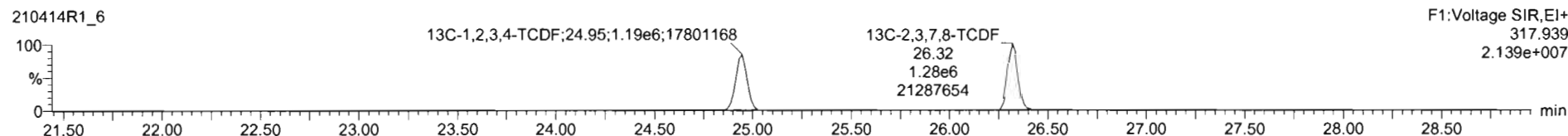
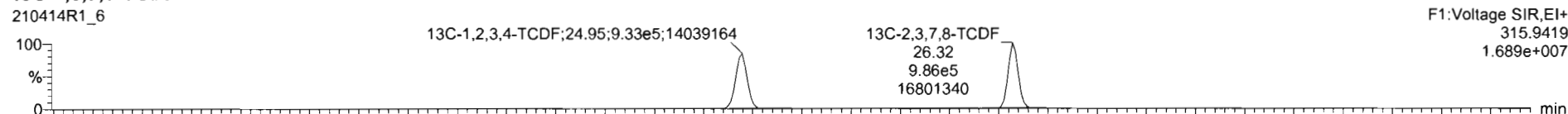
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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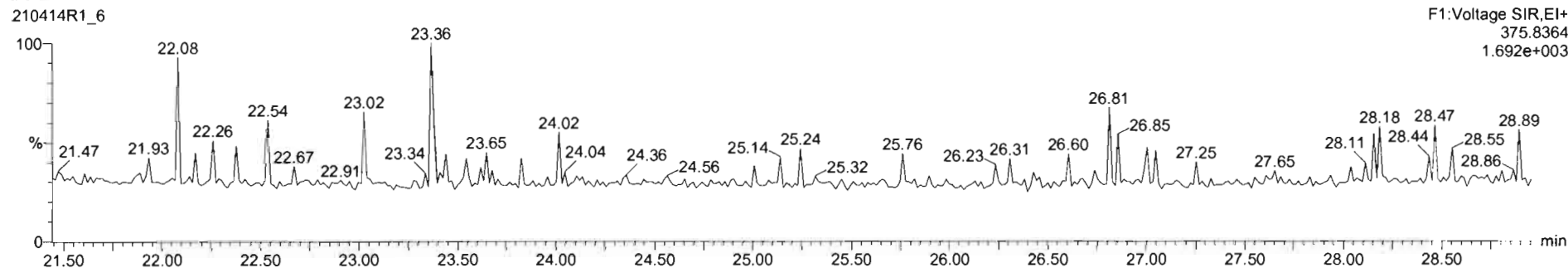
**2,3,7,8-TCDF**



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



**DPE1**



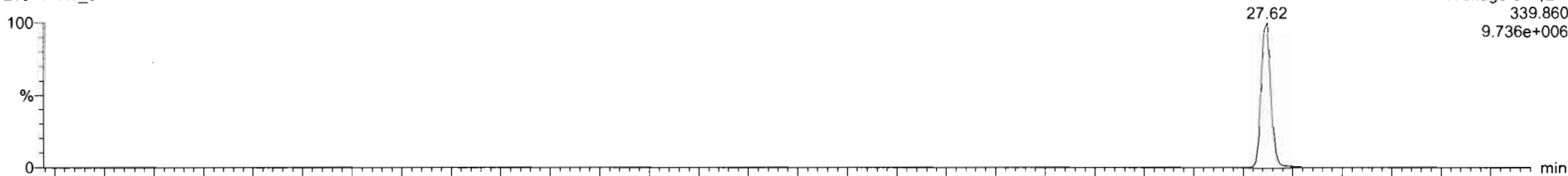
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

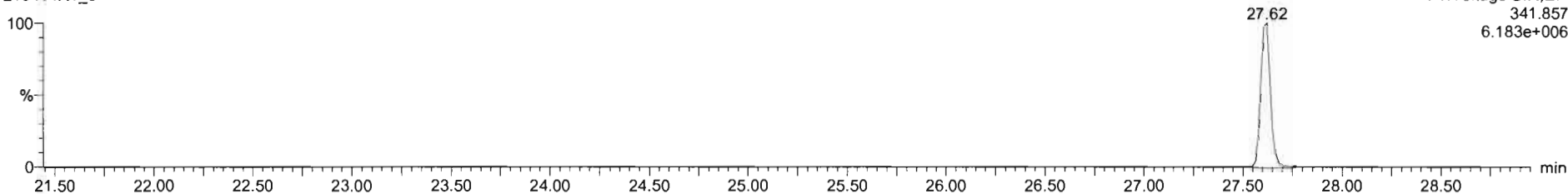
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1st Func. Penta-Furans

210414R1\_6

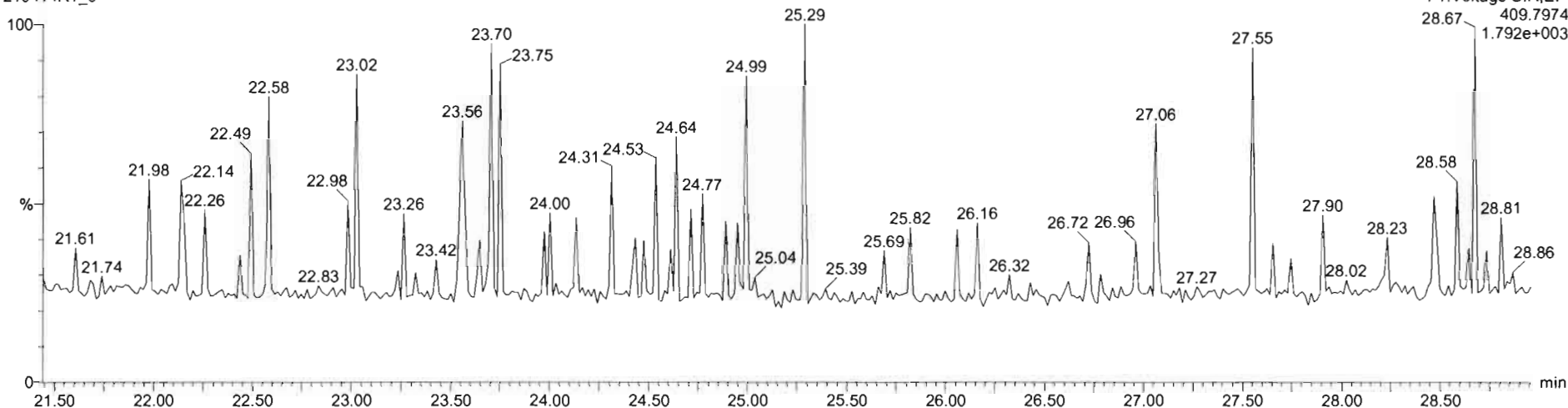


210414R1\_6



DPE6

210414R1\_6



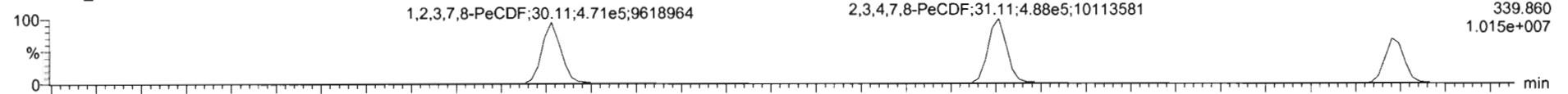
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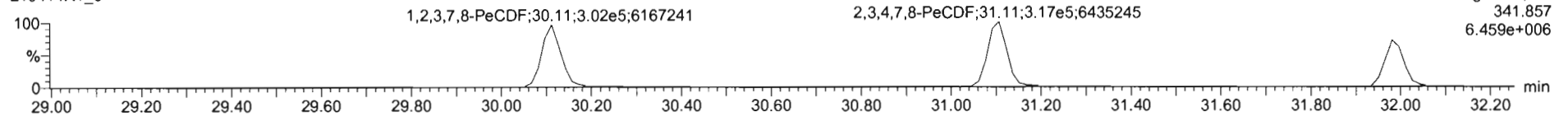
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**1,2,3,7,8-PeCDF**

210414R1\_6

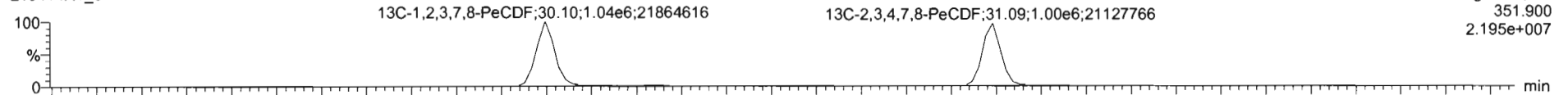


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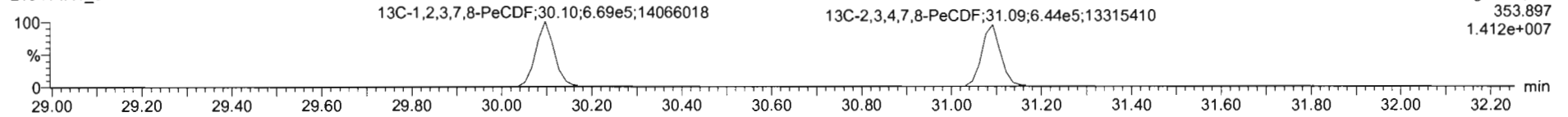


**13C-1,2,3,7,8-PeCDF**

210414R1\_6

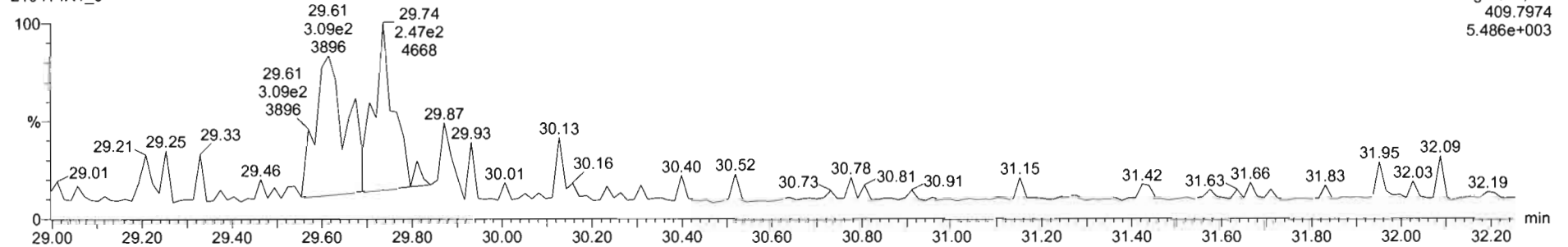


210414R1\_6



**DPE2**

210414R1\_6

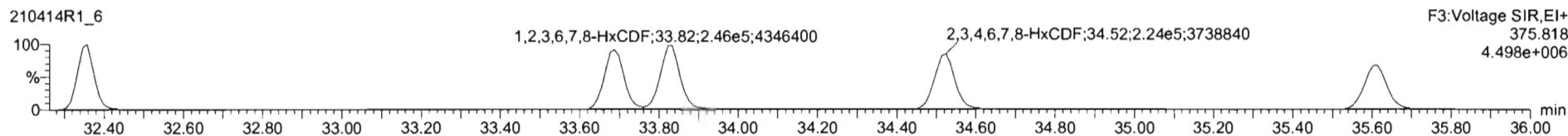
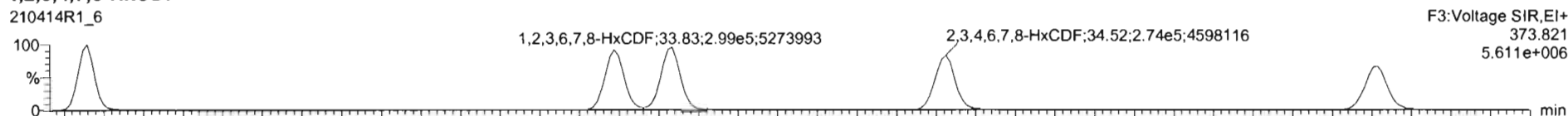


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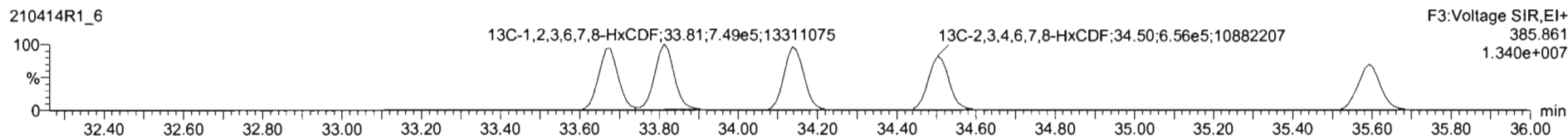
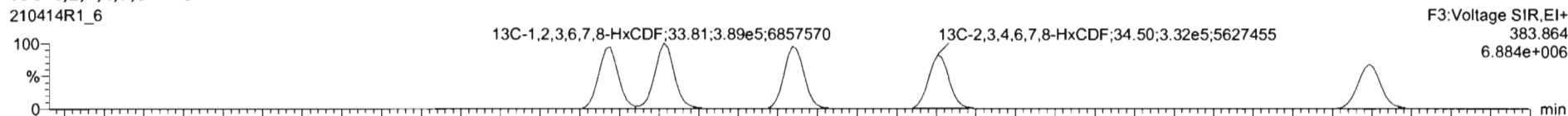
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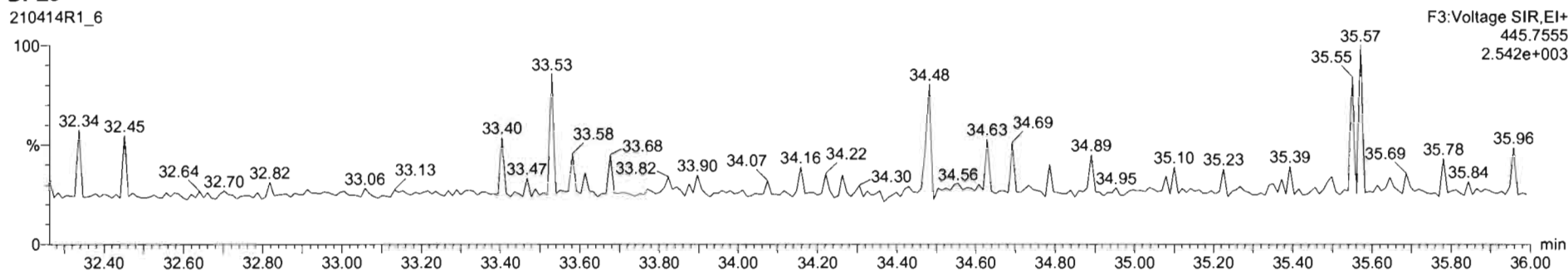
**1,2,3,4,7,8-HxCDF**



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



**DPE3**



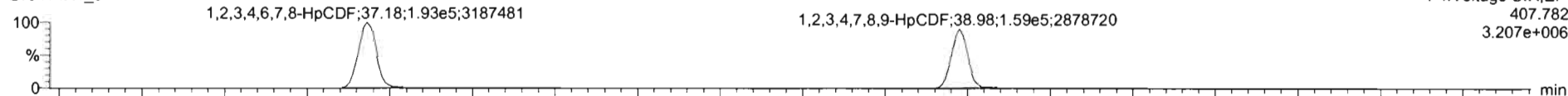
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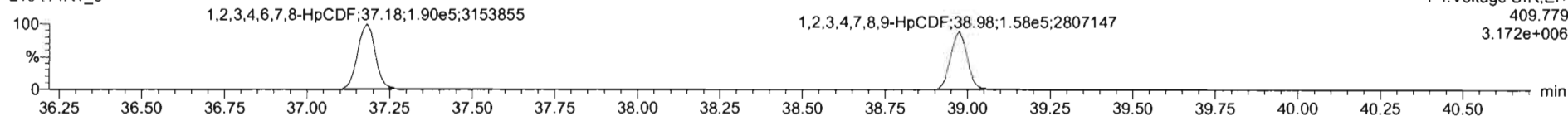
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_6

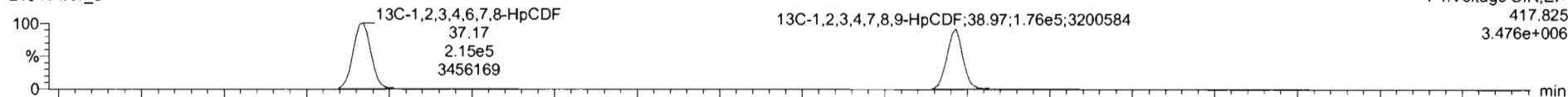


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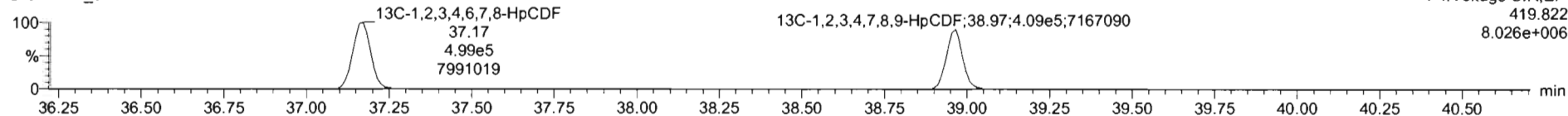


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_6

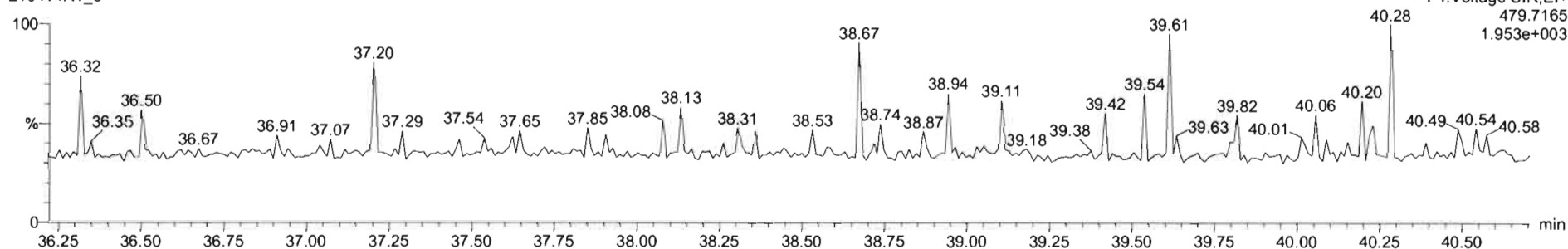


210414R1\_6



**DPE4**

210414R1\_6

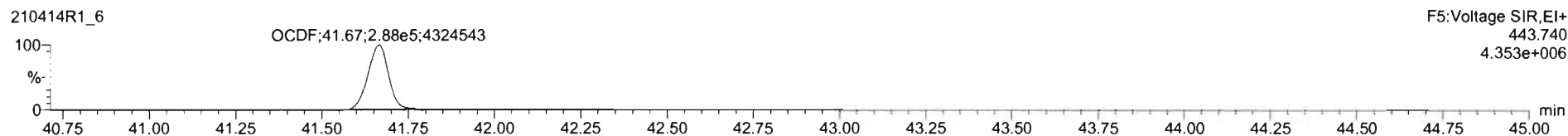
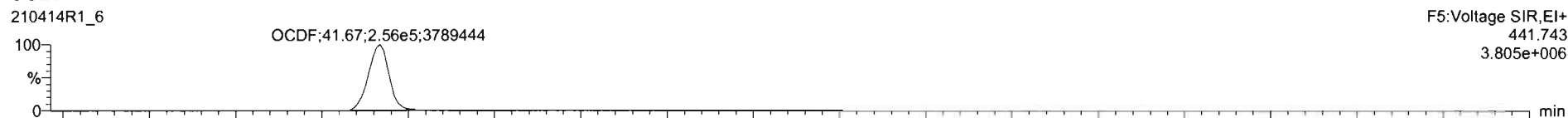


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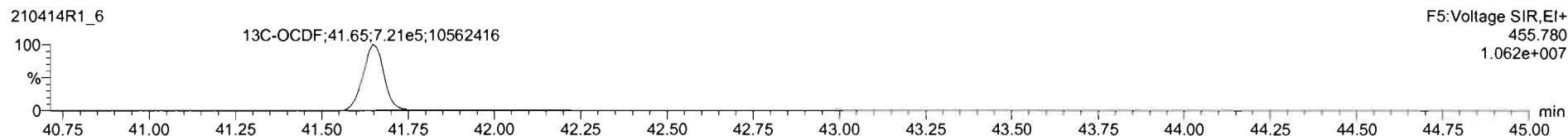
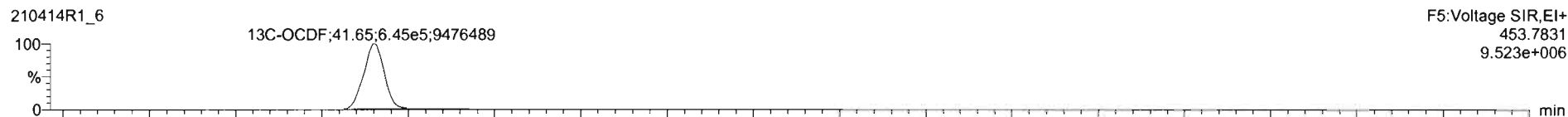
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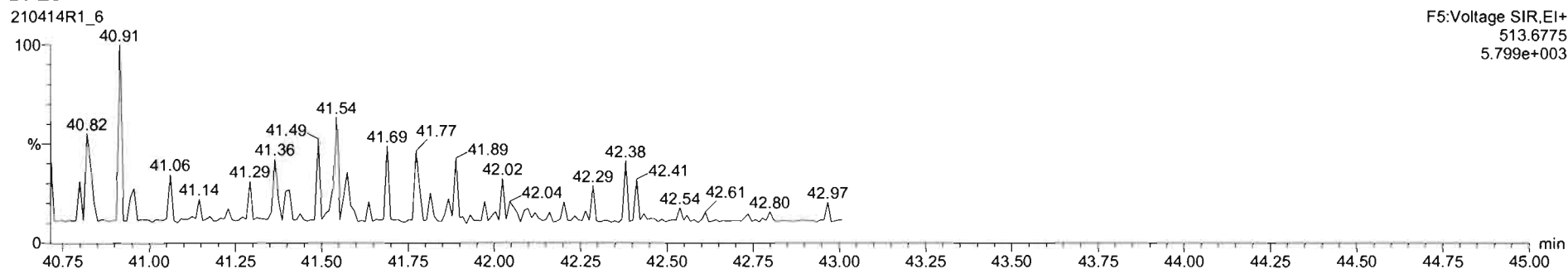
**OCDF**



**13C-OCDF**



**DPE5**



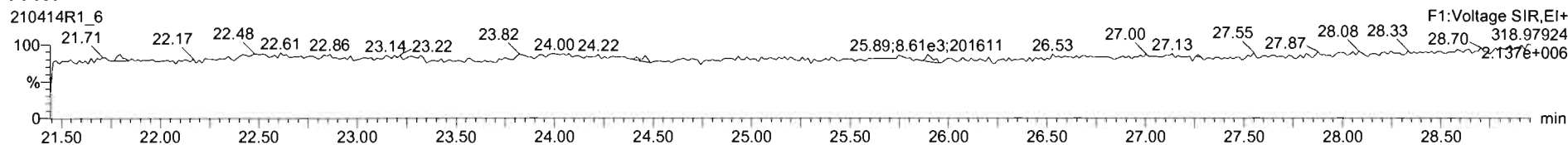
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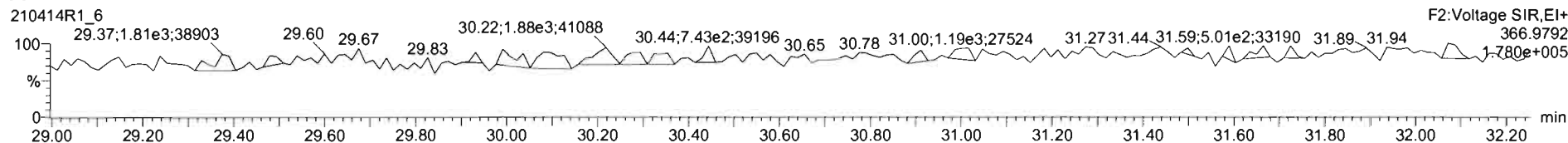
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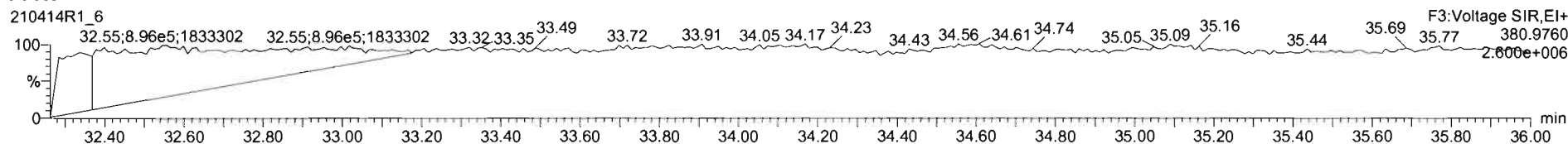
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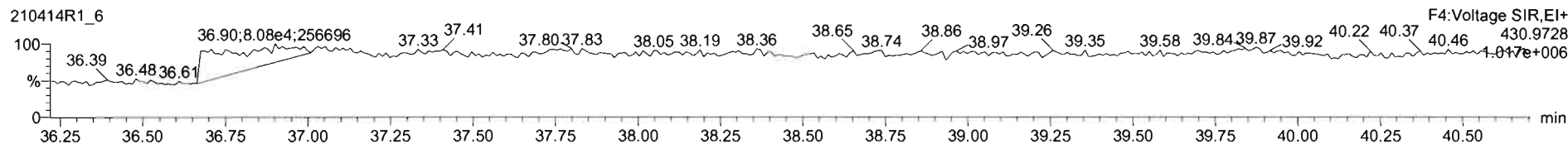
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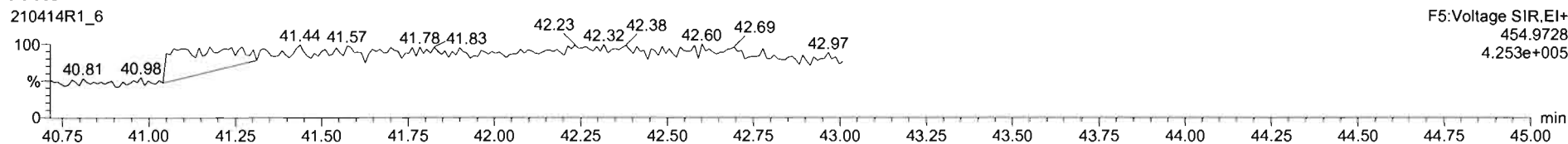
**PFK3**



**PFK4**



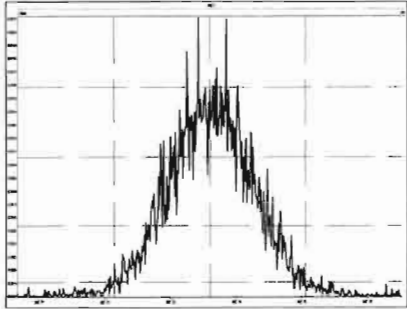
**PFK5**



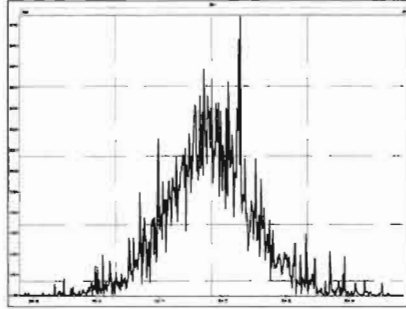


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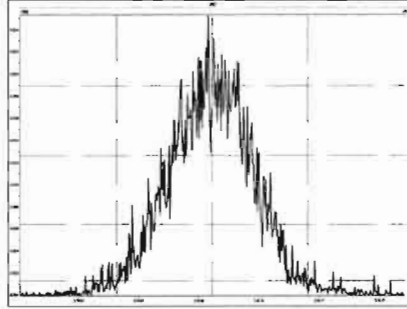
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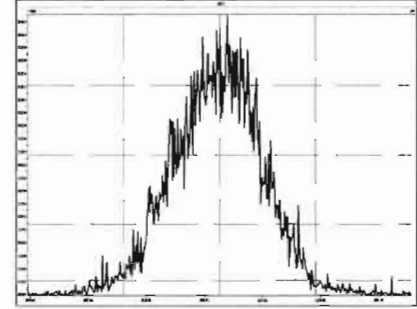
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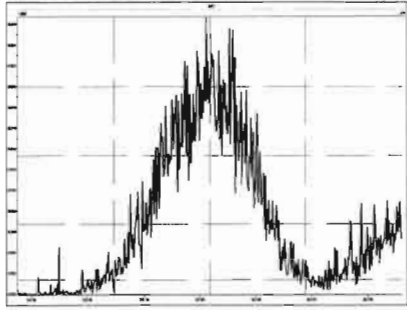
M 318.9792 R 10604



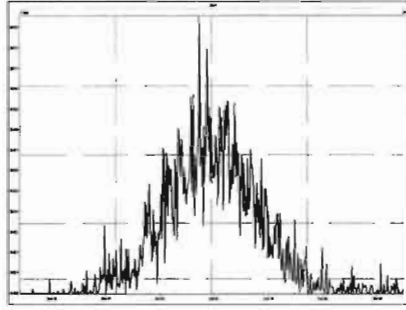
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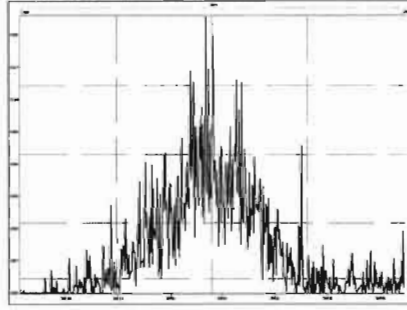
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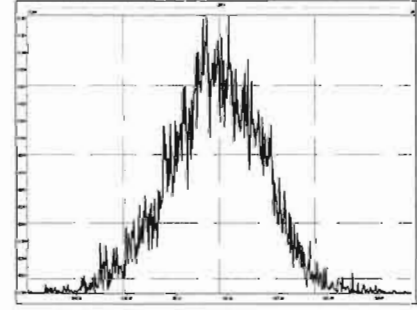
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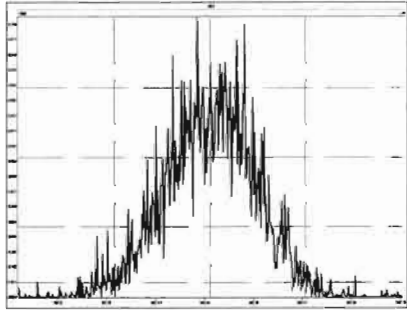
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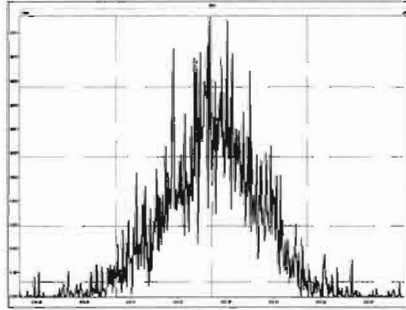
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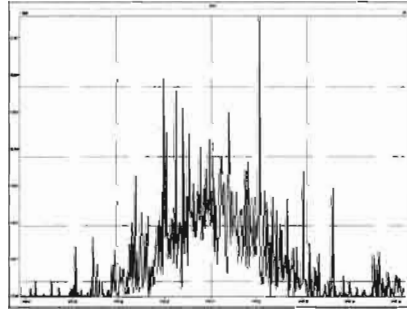
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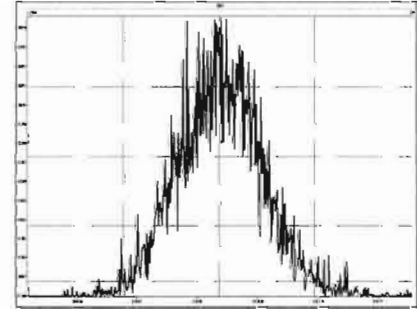
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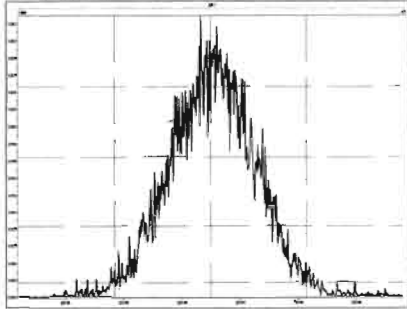


M 318.9792 R 11338

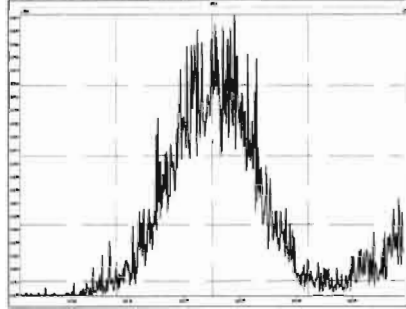


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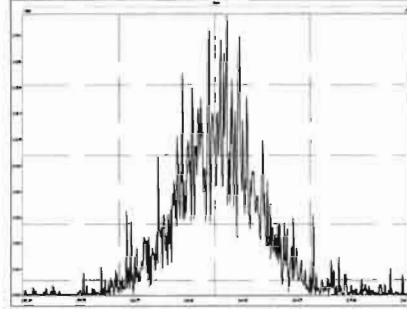
M 330.9792 R 11034



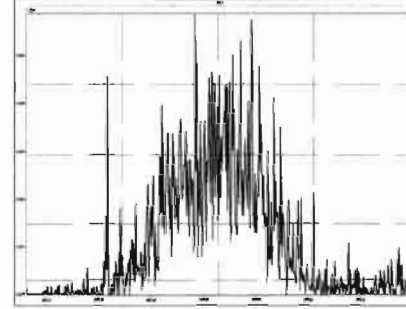
M 342.9792 R 11389



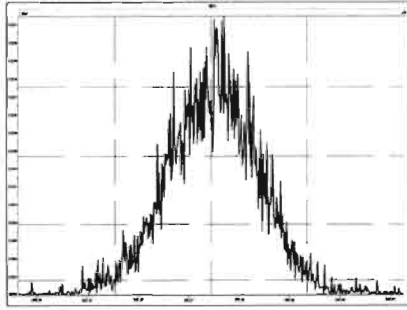
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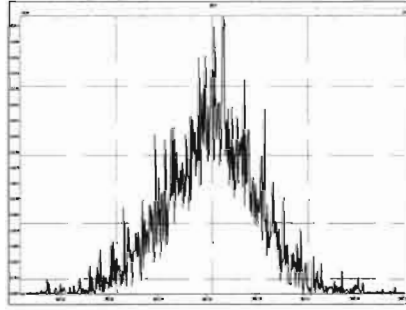
M 366.9792 R 12497



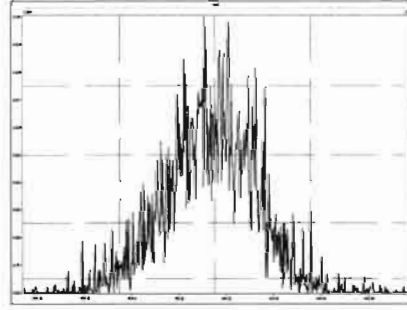
M 380.9760 R 9978



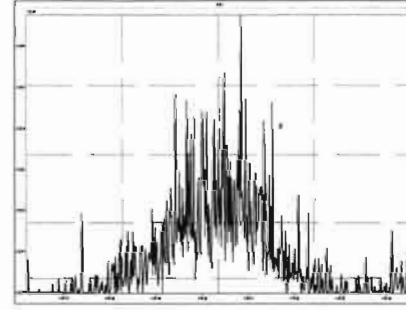
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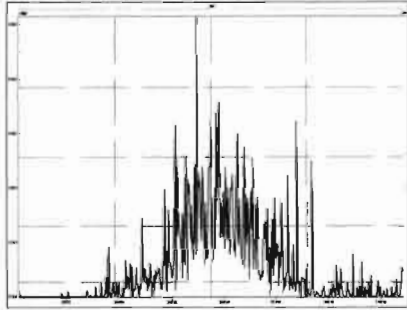
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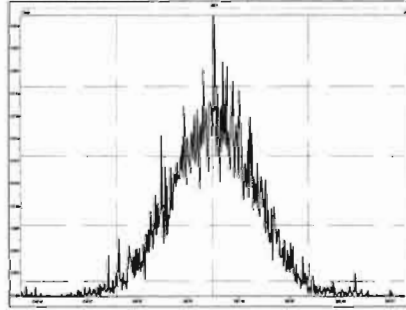
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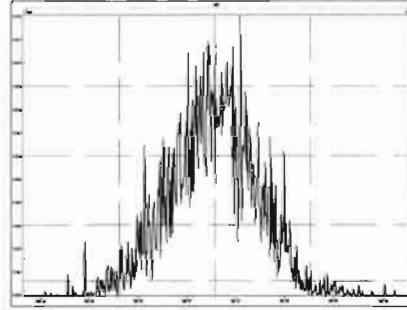
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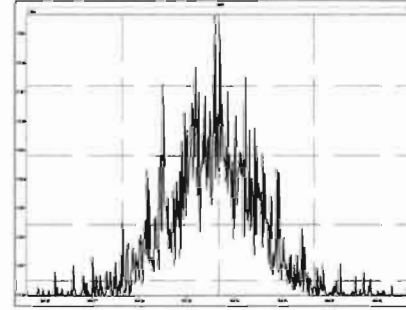
M 380.9760 R 11211



M 392.9760 R 12392

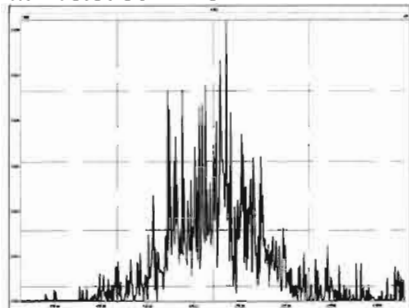


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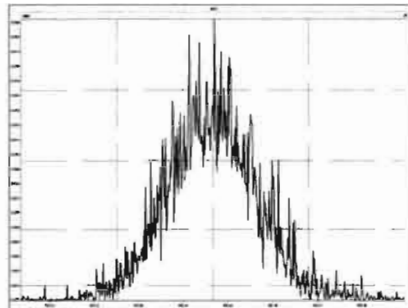


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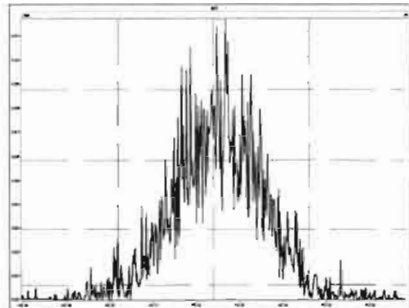
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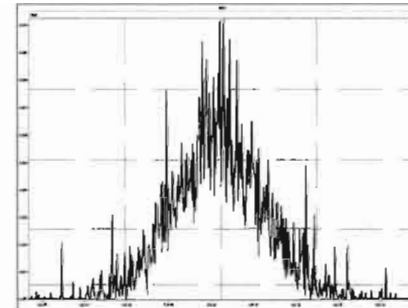
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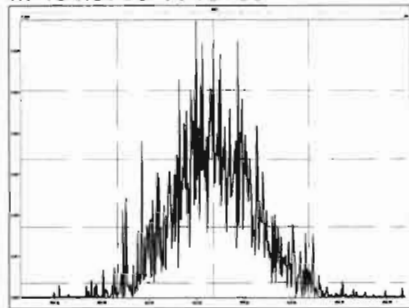
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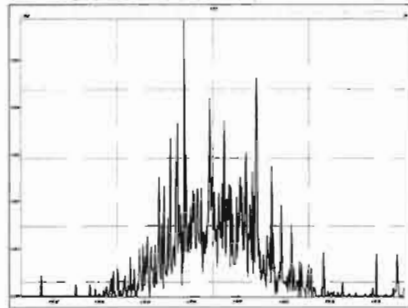
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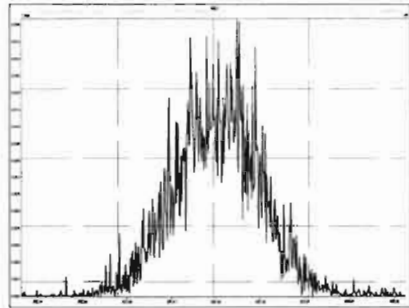
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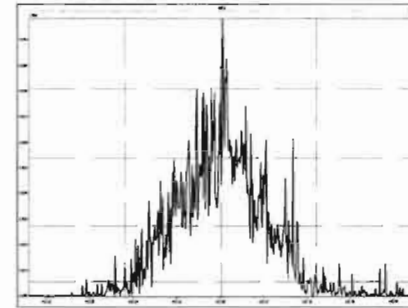
M 416.9760 R 15337



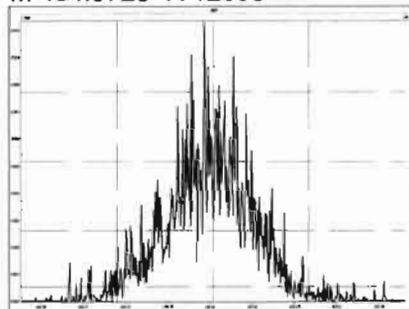
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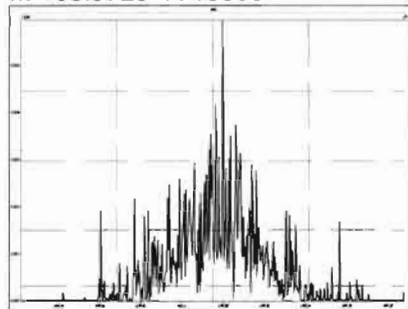
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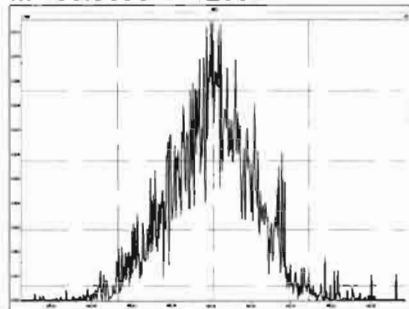
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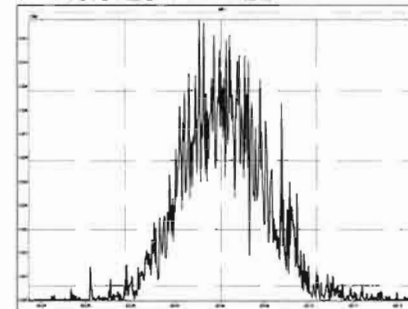
M 466.9728 R 19809



M 480.9696 R 12005

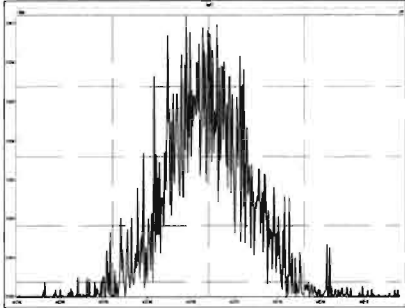


M 430.9728 R 11522

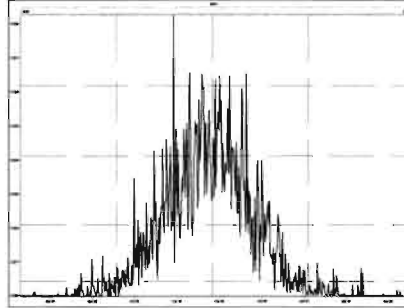


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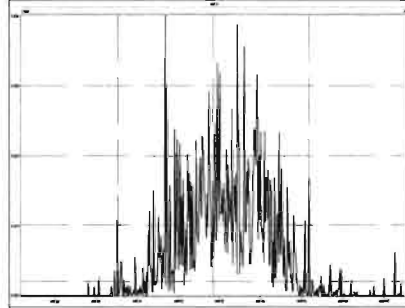
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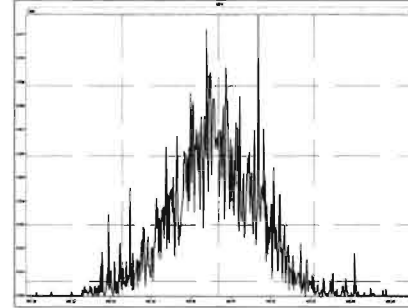
M 454.9728 R 12094



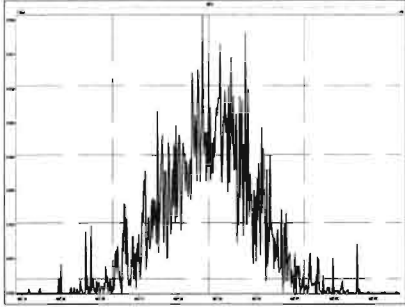
M 466.9728 R 18533



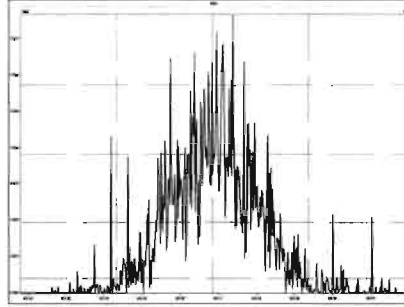
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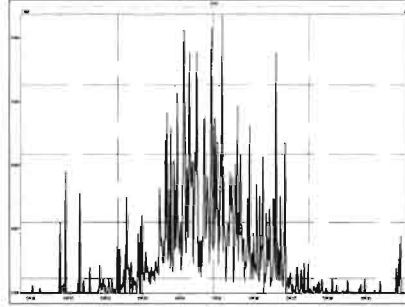
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M 504.9696 R 15745



M 516.9697 R 31899



Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_7.qld

Last Altered: Thursday, April 15, 2021 10:13:51 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:15:16 Pacific Daylight Time

*WIN 04/15/21*  
*DF04/15/21*

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

#	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	1.42e5	0.76	NO	0.929	1.000	26.945	26.93	1.001	1.001	9.5905	95.9	0.0124	9.59
2	2 1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.826	1.000	31.274	31.26	1.001	1.000	48.111	96.2	0.0507	48.1
3	3 1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.972	1.000	34.618	34.61	1.001	1.000	50.163	100	0.114	50.2
4	4 1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.877	1.000	34.744	34.74	1.001	1.001	52.884	106	0.119	52.9
5	5 1,2,3,7,8,9-HxCDD	3.89e5	1.25	NO	0.874	1.000	35.027	35.03	1.000	1.000	49.610	99.2	0.114	49.6
6	6 1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.899	1.000	38.296	38.31	1.000	1.001	48.692	97.4	0.133	48.7
7	7 OCDD	4.57e5	0.87	NO	0.852	1.000	41.310	41.31	1.000	1.000	102.28	102	0.151	102
8	8 2,3,7,8-TCDF	1.58e5	0.75	NO	0.747	1.000	26.309	26.34	1.000	1.001	9.8282	98.3	0.0164	9.83
9	9 1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.877	1.000	30.085	30.10	1.000	1.000	47.679	95.4	0.0773	47.7
10	10 2,3,4,7,8-PeCDF	6.89e5	1.54	NO	0.962	1.000	31.098	31.09	1.001	1.000	50.877	102	0.0782	50.9
11	11 1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.920	1.000	33.665	33.68	1.000	1.001	52.893	106	0.0947	52.9
12	12 1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.936	1.000	33.822	33.81	1.001	1.000	51.115	102	0.0912	51.1
13	13 2,3,4,6,7,8-HxCDF	4.67e5	1.22	NO	0.973	1.000	34.514	34.50	1.001	1.000	52.771	106	0.105	52.8
14	14 1,2,3,7,8,9-HxCDF	3.77e5	1.23	NO	0.940	1.000	35.592	35.60	1.000	1.001	50.158	100	0.134	50.2
15	15 1,2,3,4,6,7,8-HpCDF	3.61e5	1.01	NO	1.05	1.000	37.179	37.17	1.000	1.000	52.180	104	0.130	52.2
16	16 1,2,3,4,7,8,9-HpCDF	2.83e5	1.01	NO	1.05	1.000	38.966	38.97	1.000	1.000	49.625	99.2	0.143	49.6
17	17 OCDF	4.60e5	0.87	NO	0.771	1.000	41.645	41.65	1.000	1.000	100.69	101	0.140	101
18	18 13C-2,3,7,8-TCDD	1.59e6	0.76	NO	1.10	1.000	26.897	26.91	1.026	1.027	102.93	103	0.0486	
19	19 13C-1,2,3,7,8-PeCDD	1.16e6	0.63	NO	0.864	1.000	31.205	31.24	1.190	1.192	95.556	95.6	0.0791	
20	20 13C-1,2,3,4,7,8-HxCDD	7.55e5	1.25	NO	0.746	1.000	34.577	34.60	1.013	1.014	97.877	97.9	0.180	
21	21 13C-1,2,3,6,7,8-HxCDD	8.52e5	1.24	NO	0.847	1.000	34.717	34.72	1.017	1.017	97.415	97.4	0.158	
22	22 13C-1,2,3,7,8,9-HxCDD	8.97e5	1.24	NO	0.868	1.000	35.003	35.02	1.026	1.026	100.01	100	0.154	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.19e5	1.02	NO	0.664	1.000	38.269	38.28	1.121	1.122	90.141	90.1	0.290	
24	24 13C-OCDD	1.05e6	0.90	NO	0.561	1.000	41.303	41.30	1.210	1.210	180.80	90.4	0.297	
25	25 13C-2,3,7,8-TCDF	2.15e6	0.77	NO	1.09	1.000	26.307	26.31	1.003	1.003	96.733	96.7	0.0460	
26	26 13C-1,2,3,7,8-PeCDF	1.58e6	1.57	NO	0.809	1.000	30.048	30.08	1.146	1.147	95.821	95.8	0.119	
27	27 13C-2,3,4,7,8-PeCDF	1.41e6	1.58	NO	0.803	1.000	31.034	31.08	1.184	1.185	86.278	86.3	0.120	
28	28 13C-1,2,3,4,7,8-HxCDF	9.81e5	0.51	NO	1.01	1.000	33.659	33.66	0.986	0.986	93.862	93.9	0.192	
29	29 13C-1,2,3,6,7,8-HxCDF	1.05e6	0.51	NO	1.07	1.000	33.788	33.80	0.990	0.990	94.332	94.3	0.181	
30	30 13C-2,3,4,6,7,8-HxCDF	9.09e5	0.51	NO	0.910	1.000	34.485	34.49	1.010	1.011	96.732	96.7	0.214	
31	31 13C-1,2,3,7,8,9-HxCDF	8.01e5	0.52	NO	0.828	1.000	35.573	35.58	1.042	1.043	93.545	93.5	0.235	

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_7.qld

Last Altered: Thursday, April 15, 2021 10:13:51 Pacific Daylight Time

Printed: Thursday, April 15, 2021 10:15:16 Pacific Daylight Time

Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

	# 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	6.60e5	0.43	NO	0.661	1.000	37.150	37.16	1.089	1.089	96.587	96.6	0.244	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.45e5	0.43	NO	0.566	1.000	38.938	38.95	1.141	1.141	93.255	93.3	0.285	
34	34 13C-OCDF	1.18e6	0.87	NO	0.663	1.000	41.634	41.64	1.220	1.220	172.93	86.5	0.209	
35	35 37Cl-2,3,7,8-TCDD	2.78e5			2.07	1.000	27.125	26.93	1.035	1.027	9.5990	96.0	0.00554	
36	36 13C-1,2,3,4-TCDD	1.40e6	0.77	NO	1.00	1.000	26.290	26.22	1.000	1.000	100.00	100	0.0537	
37	37 13C-1,2,3,4-TCDF	2.03e6	0.78	NO	1.00	1.000	25.020	24.93	1.000	1.000	100.00	100	0.0503	
38	38 13C-1,2,3,4,6,9-HxCDF	1.03e6	0.51	NO	1.00	1.000	34.190	34.13	1.000	1.000	100.00	100	0.194	

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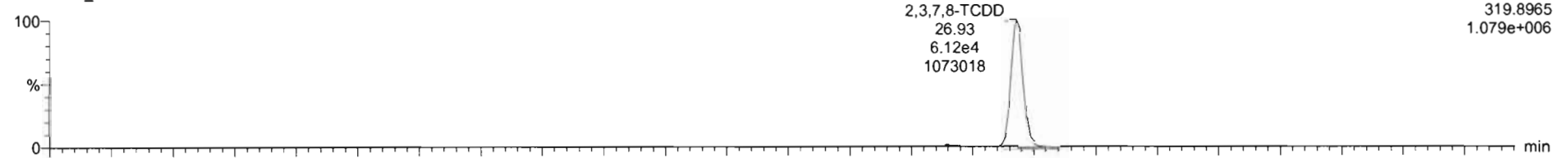
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
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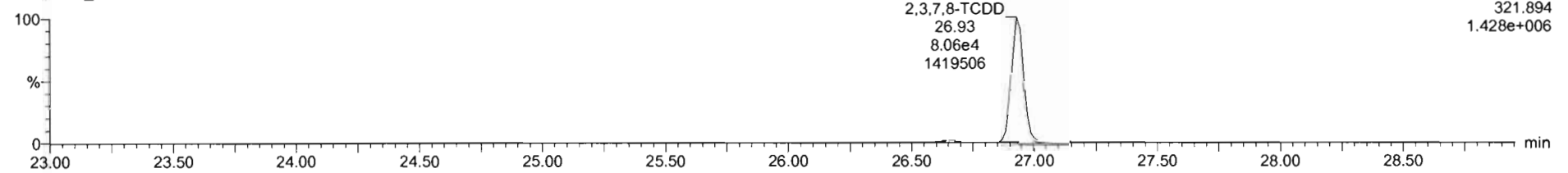
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**2,3,7,8-TCDD**

210414R1\_7

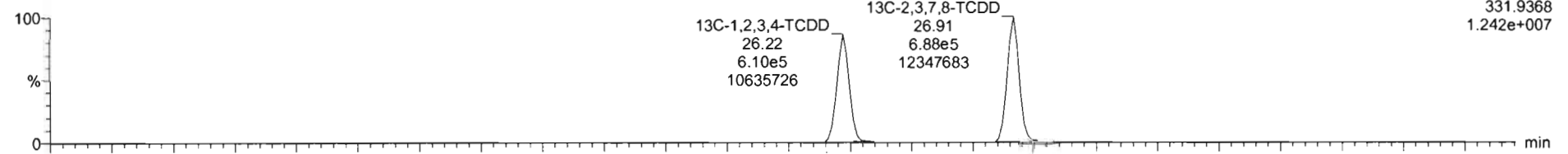


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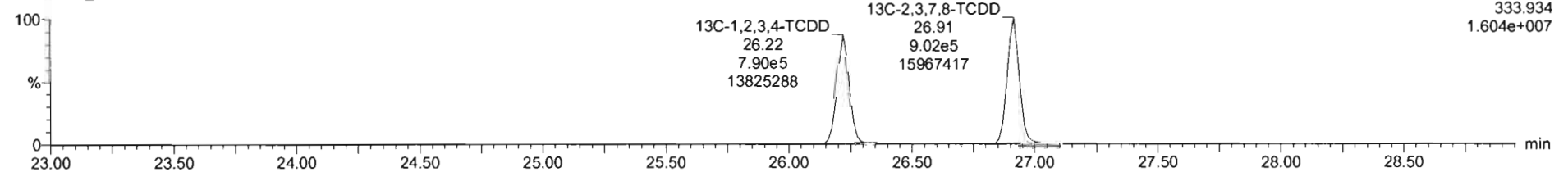


**13C-2,3,7,8-TCDD**

210414R1\_7



210414R1\_7



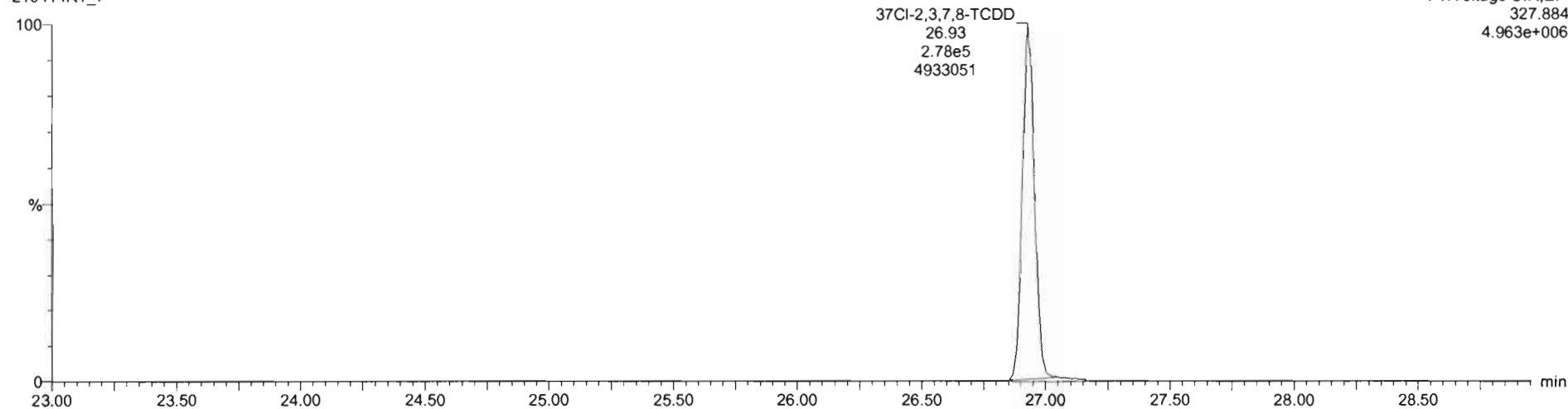
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

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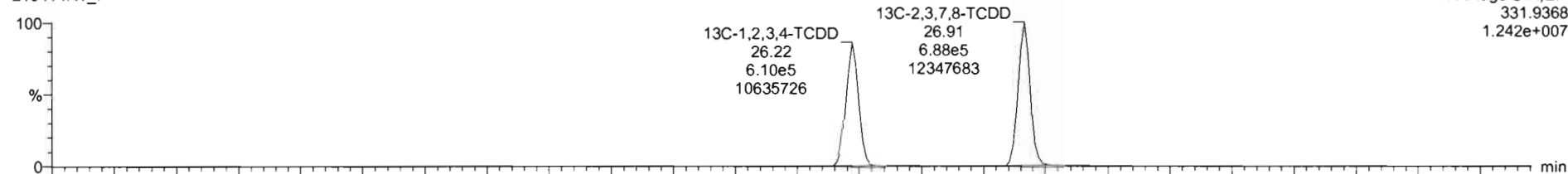
**37Cl-2,3,7,8-TCDD**

210414R1\_7

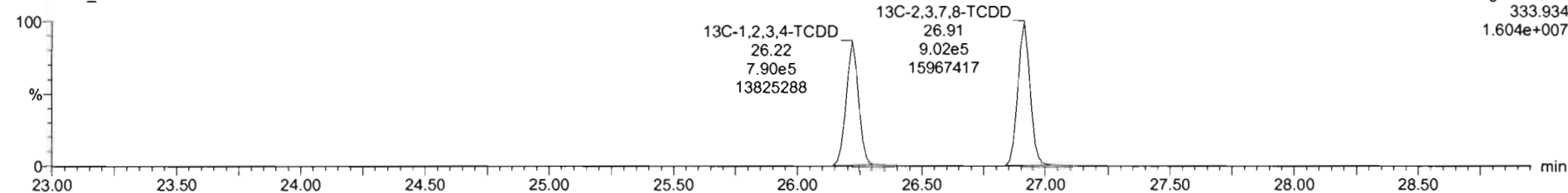


**13C-1,2,3,4-TCDD**

210414R1\_7



210414R1\_7





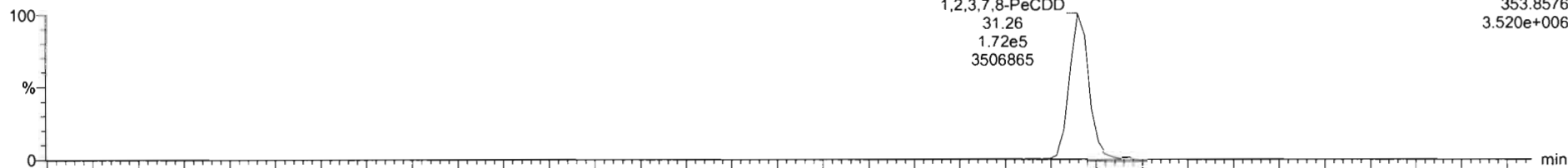
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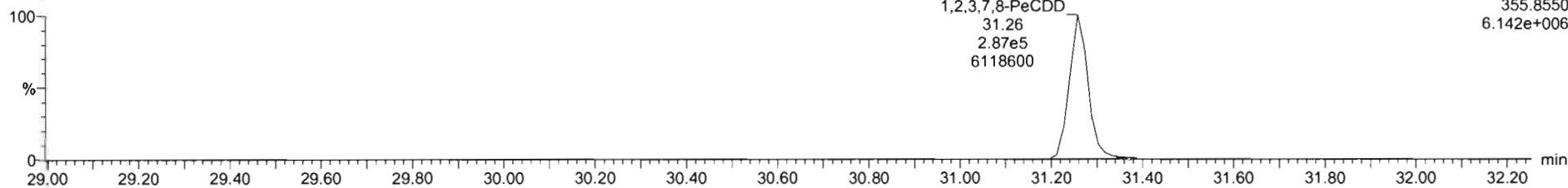
**1,2,3,7,8-PeCDD**

210414R1\_7



F2:Voltage SIR,EI+  
353.8576  
3.520e+006

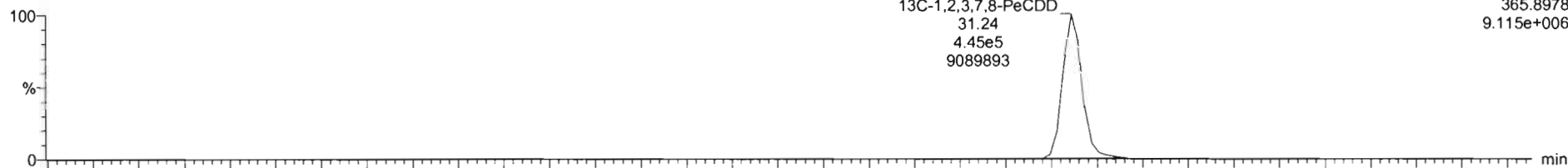
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F2:Voltage SIR,EI+  
355.8550  
6.142e+006

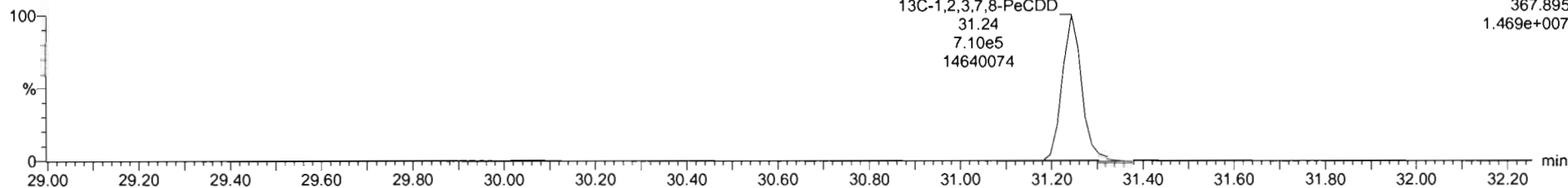
**13C-1,2,3,7,8-PeCDD**

210414R1\_7



F2:Voltage SIR,EI+  
365.8978  
9.115e+006

210414R1\_7



F2:Voltage SIR,EI+  
367.895  
1.469e+007

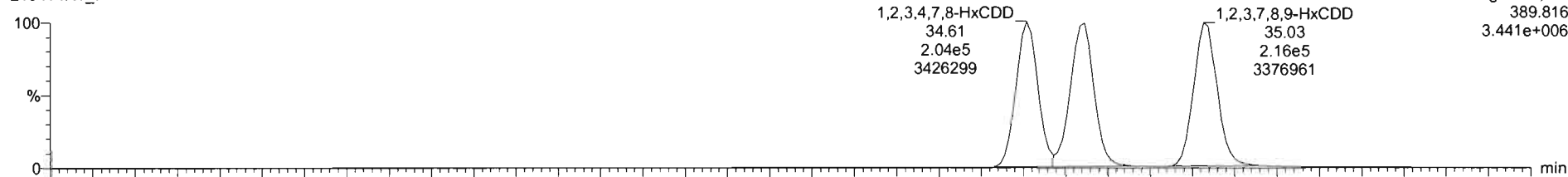
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

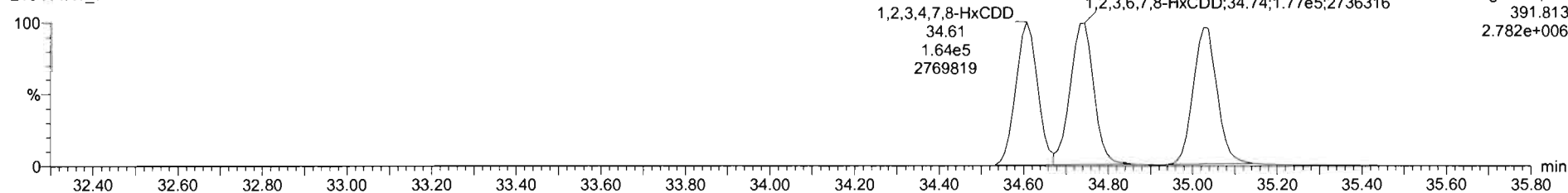
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1,2,3,4,7,8-HxCDD

210414R1\_7

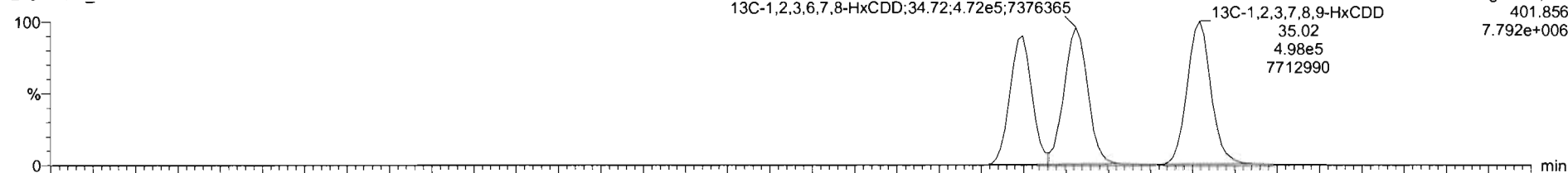


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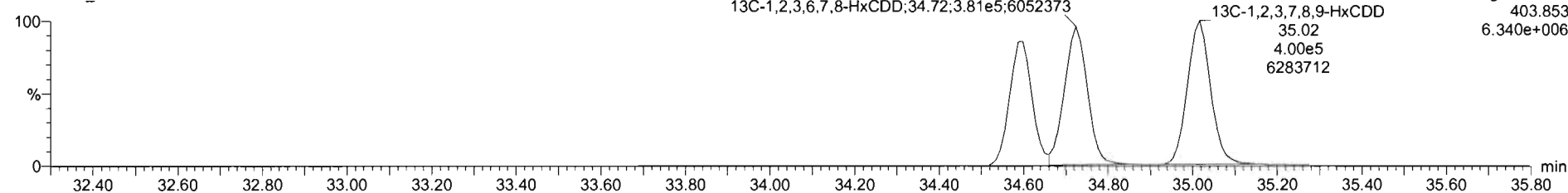


13C-1,2,3,4,7,8-HxCDD

210414R1\_7



210414R1\_7



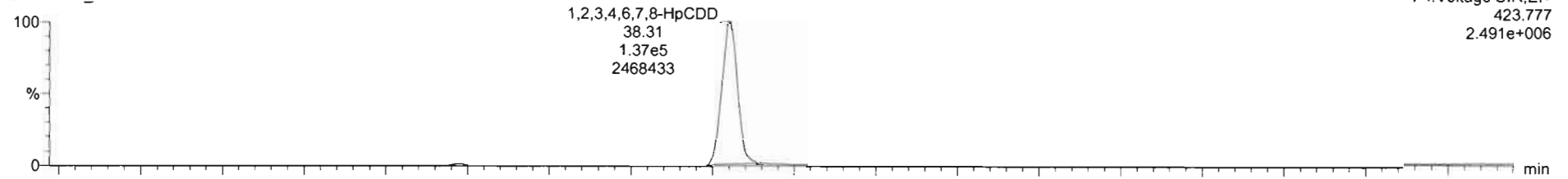
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

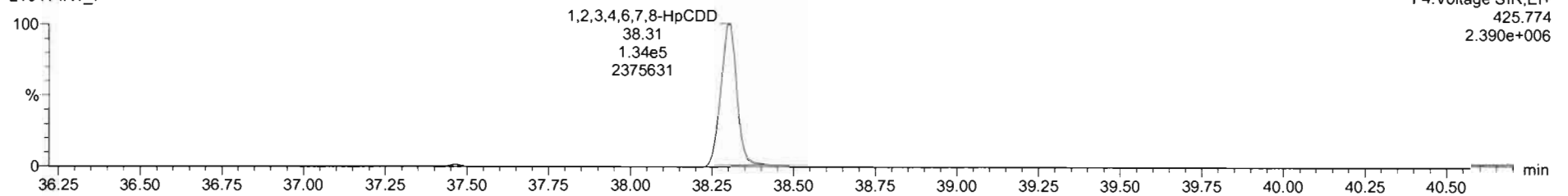
Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

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

210414R1\_7

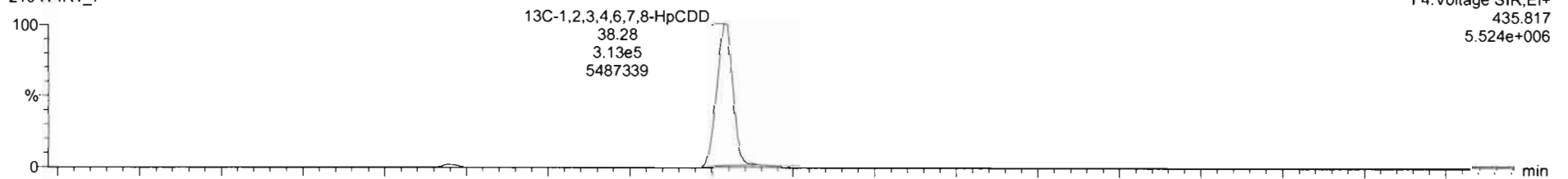


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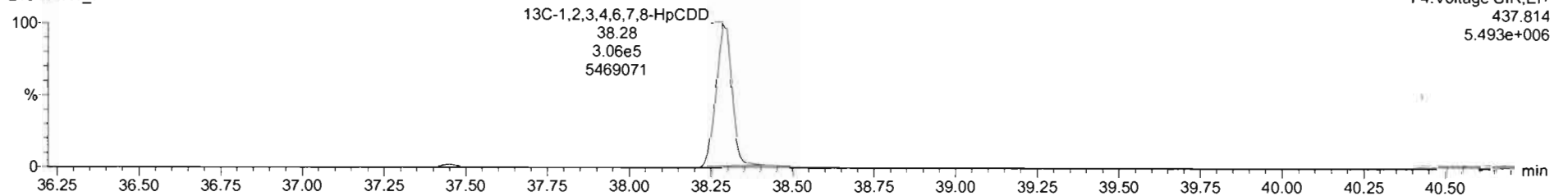


**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_7



210414R1\_7



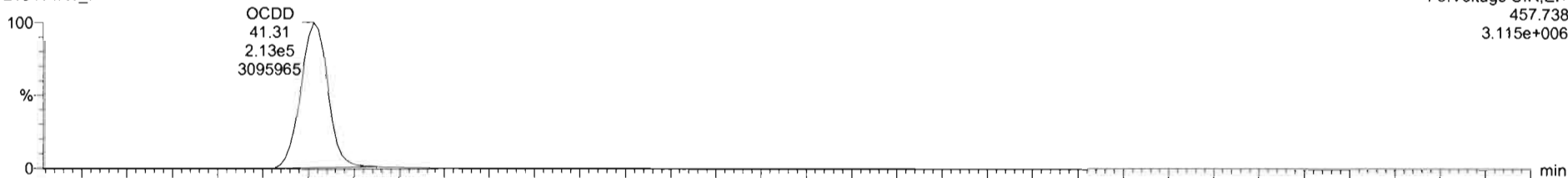
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

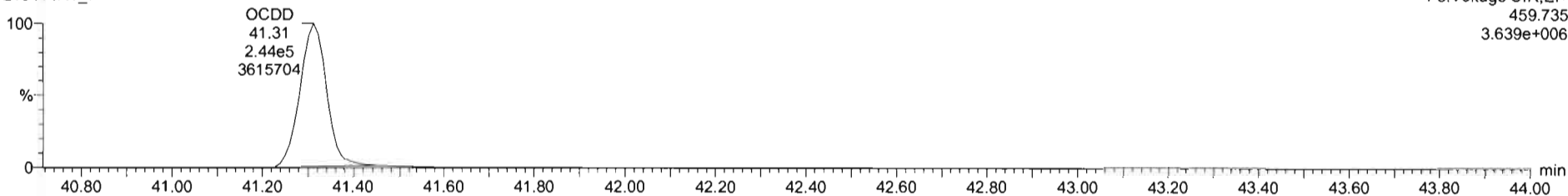
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**OCDD**

210414R1\_7

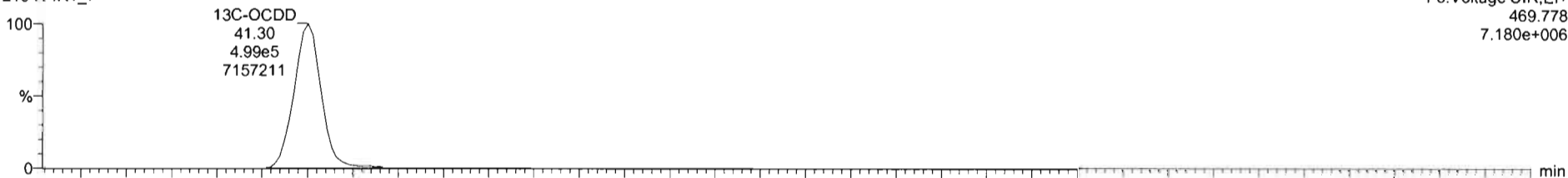


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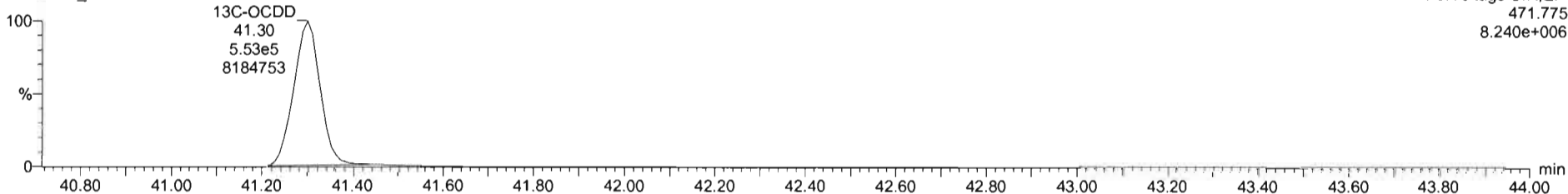


**13C-OCDD**

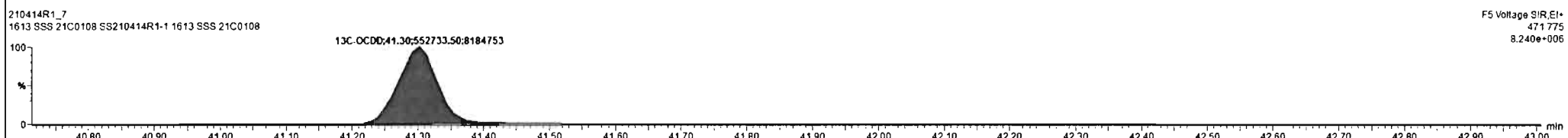
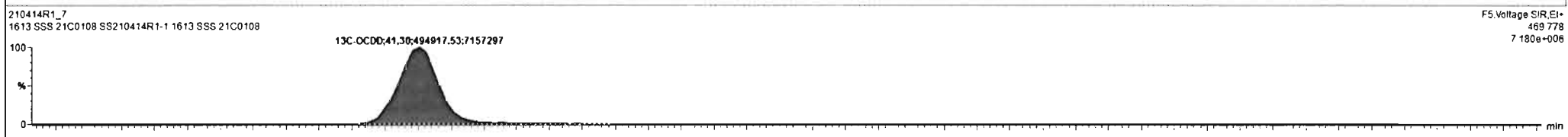
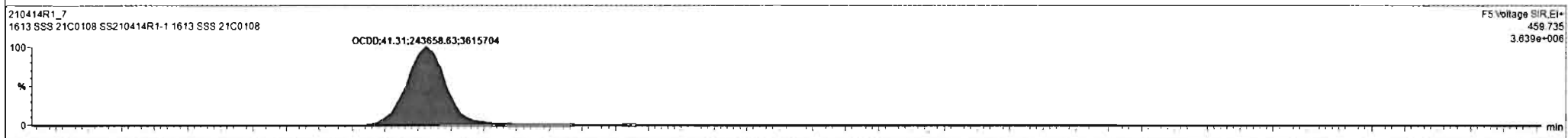
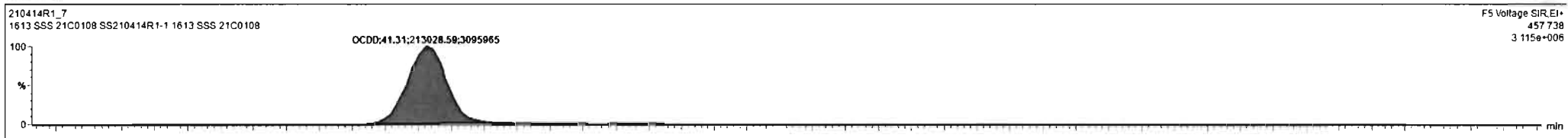
210414R1\_7



210414R1\_7



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.42e5	0.76	NO	0.9201	1.000	26.43	1.001	9.50	95.9	0.0124	9.50
2 1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.8257	1.000	31.26	1.000	48.1	96.2	0.0507	48.1
3 1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.9725	1.000	34.61	1.000	50.2	100	0.114	50.2
4 1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.8771	1.000	34.74	1.001	52.9	106	0.119	52.9
5 1,2,3,7,8,9-HxCDD	3.69e5	1.25	NO	0.8739	1.000	35.03	1.000	49.6	99.2	0.114	49.6
6 1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.8967	1.000	38.31	1.001	48.7	97.4	0.133	48.7
7 OCDD	4.57e5	0.87	NO	0.8524	1.000	41.31	1.000	102	102	0.151	102
8 2,3,7,8-TCDF	1.58e5	0.75	NO	0.7466	1.000	26.34	1.001	8.83	98.3	0.0164	8.83
9 1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.8771	1.000	30.10	1.000	47.7	95.4	0.0773	47.7
10 2,3,4,7,8-PeCDF	6.89e5	1.54	NO	0.9621	1.000	31.09	1.000	50.9	102	0.0782	50.9
11 1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.9202	1.000	33.68	1.001	52.9	106	0.0947	52.9
12 1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.9363	1.000	33.81	1.000	51.1	102	0.0912	51.1
13 2,3,4,6,7,8-HxCDF	4.67e5	1.22	NO	0.9725	1.000	34.50	1.000	52.8	106	0.105	52.8



Regdx 210414R1\_7 CAP NUM

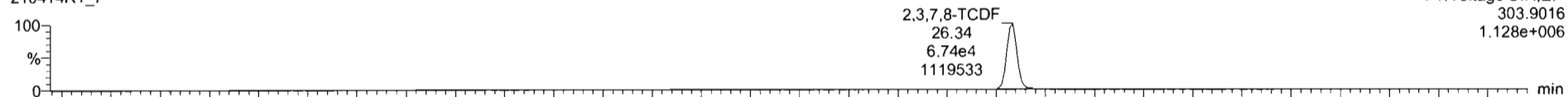
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

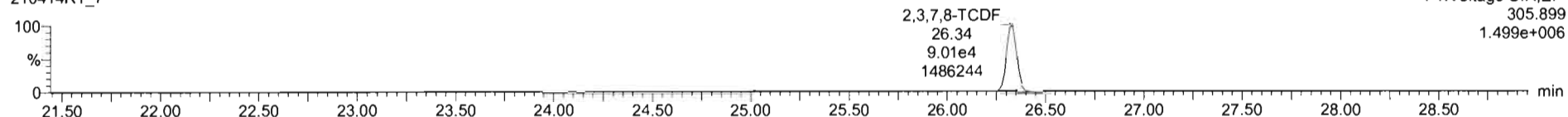
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**2,3,7,8-TCDF**

210414R1\_7

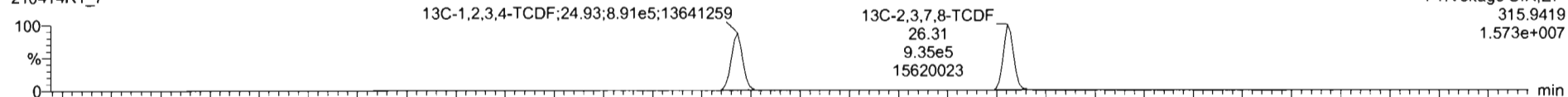


210414R1\_7

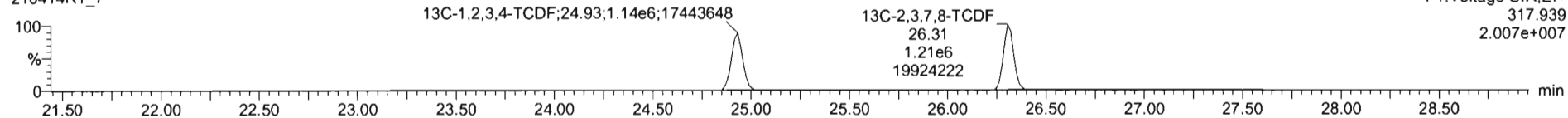


**13C-2,3,7,8-TCDF**

210414R1\_7

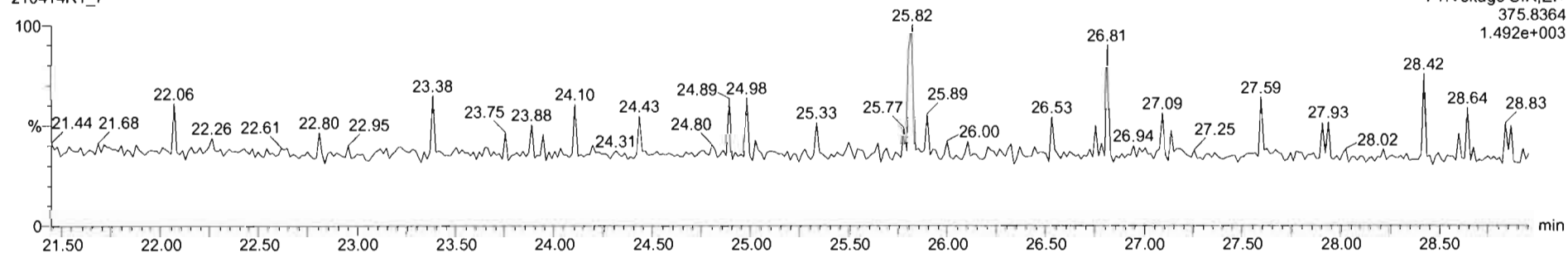


210414R1\_7



**DPE1**

210414R1\_7



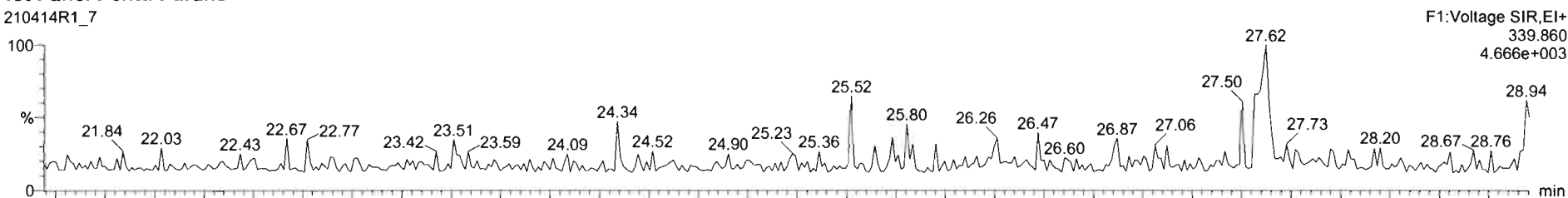
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

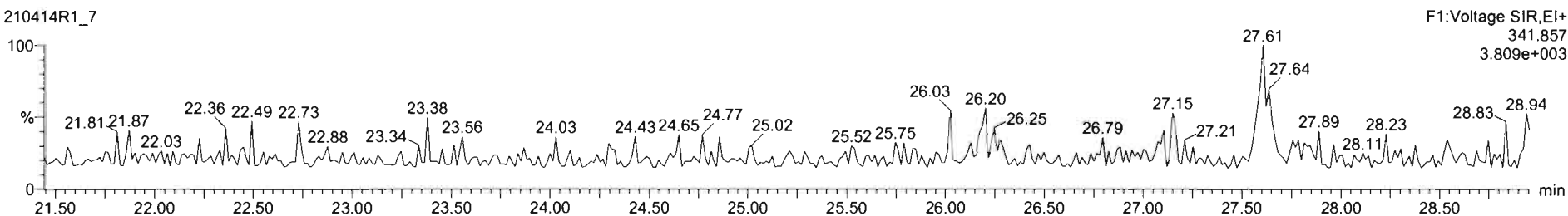
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1st Func. Penta-Furans

210414R1\_7

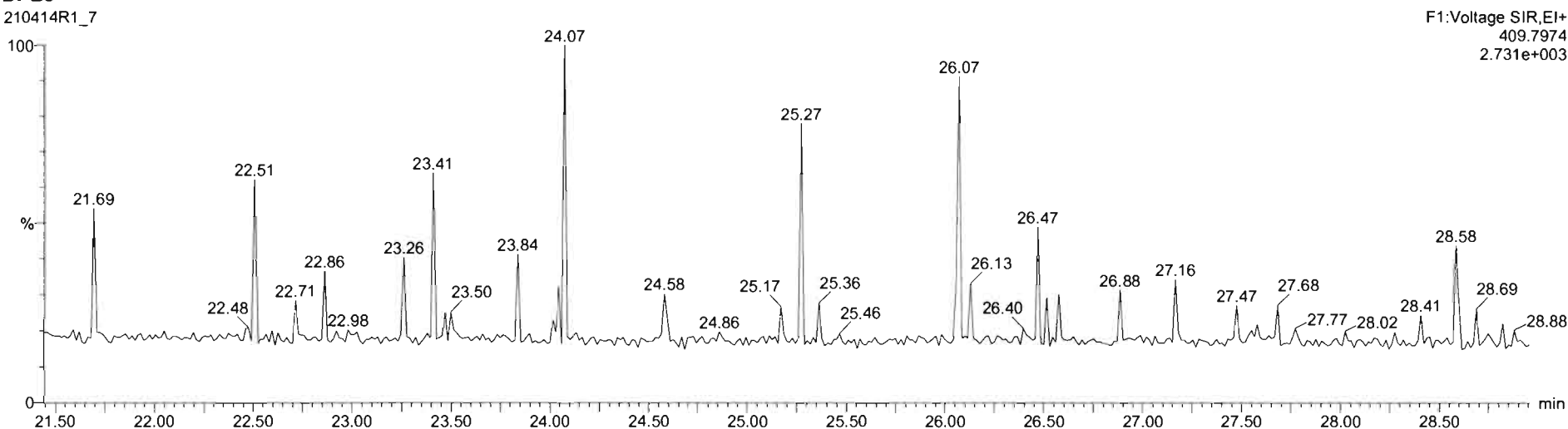


210414R1\_7



DPE6

210414R1\_7



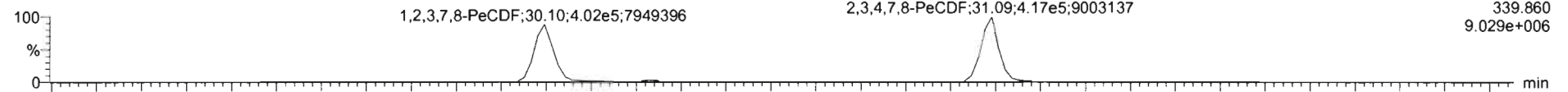
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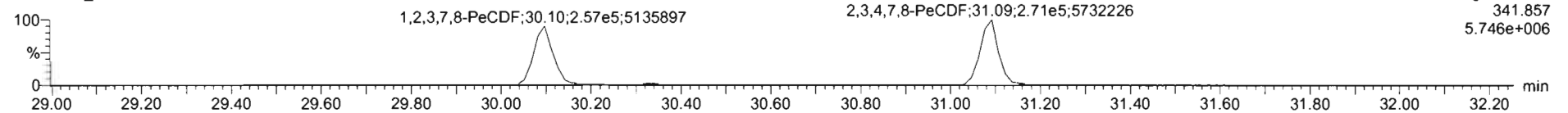
**1,2,3,7,8-PeCDF**

210414R1\_7



F2: Voltage SIR, EI+  
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9.029e+006

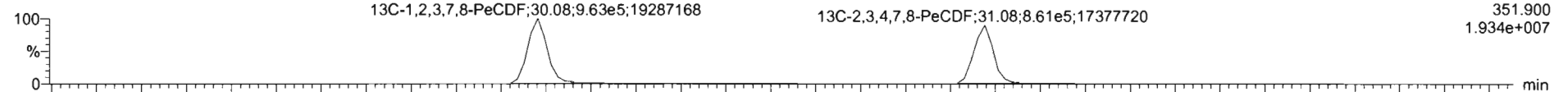
210414R1\_7



F2: Voltage SIR, EI+  
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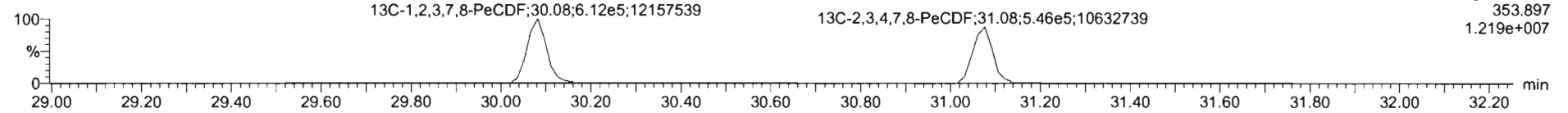
**13C-1,2,3,7,8-PeCDF**

210414R1\_7



F2: Voltage SIR, EI+  
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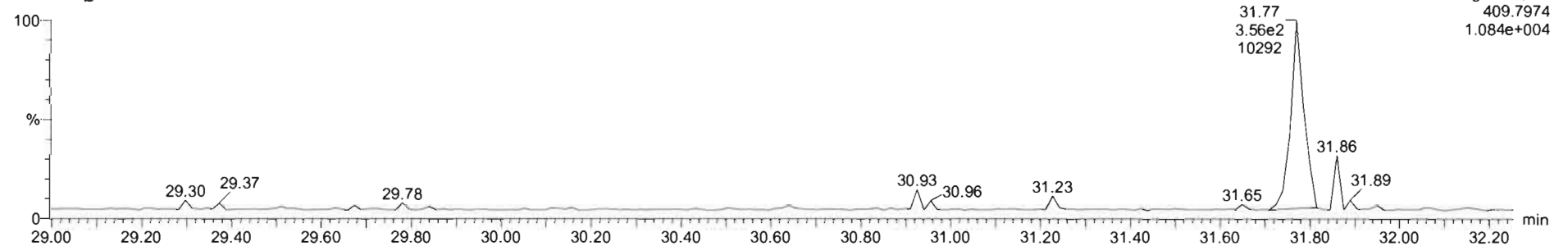
210414R1\_7



F2: Voltage SIR, EI+  
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1.219e+007

**DPE2**

210414R1\_7



F2: Voltage SIR, EI+  
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Dataset: Untitled

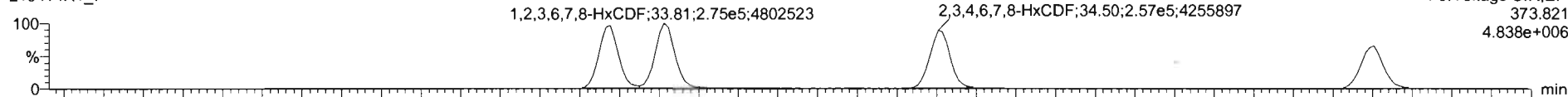
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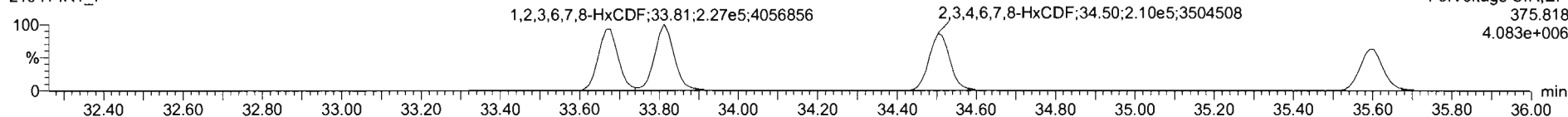
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**1,2,3,4,7,8-HxCDF**

210414R1\_7

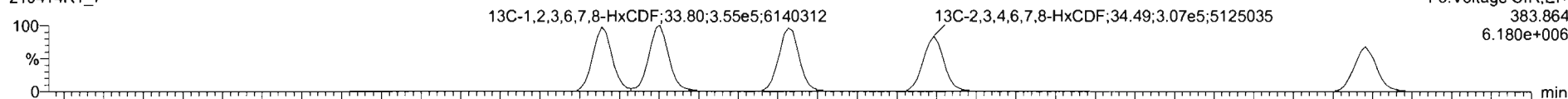


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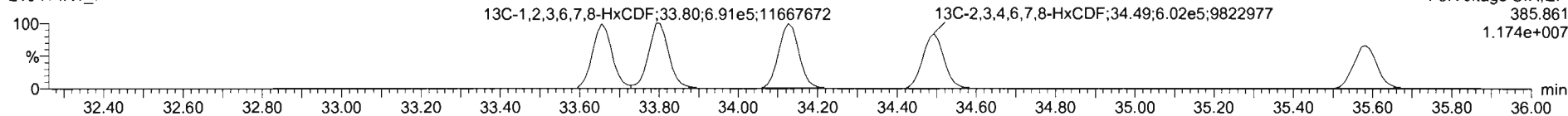


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_7

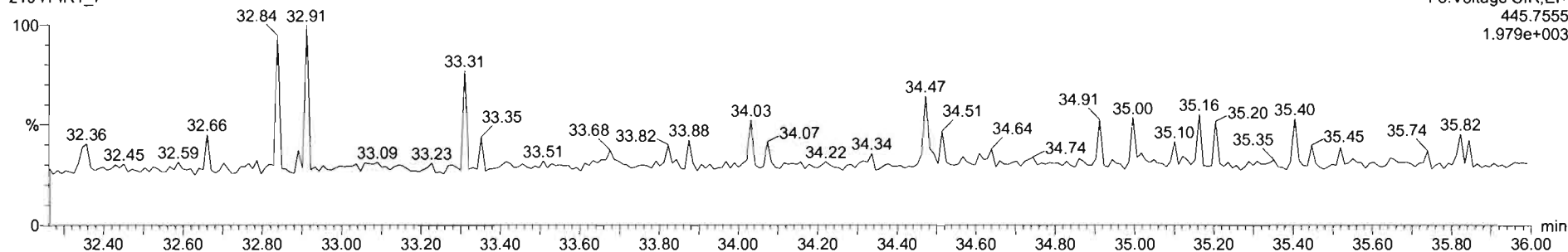


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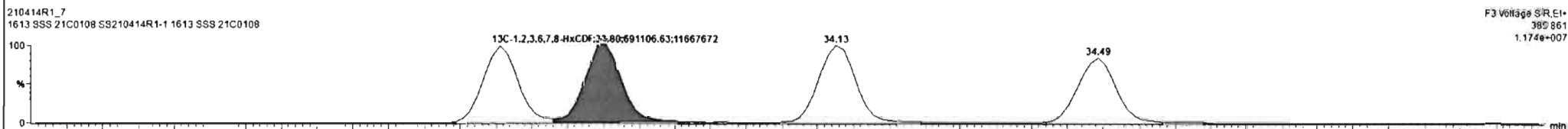
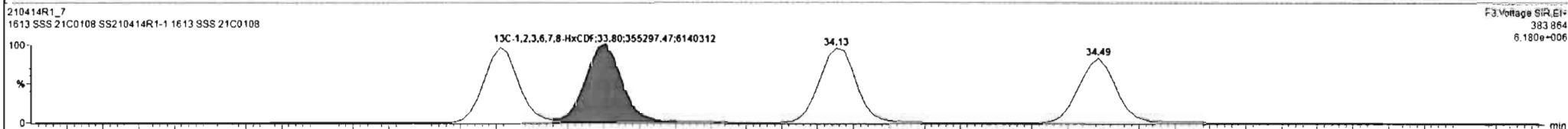
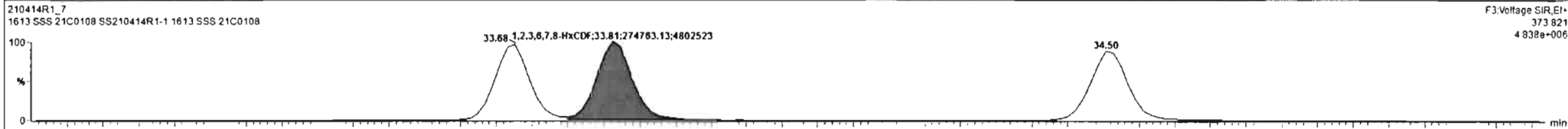
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210414R1\_7

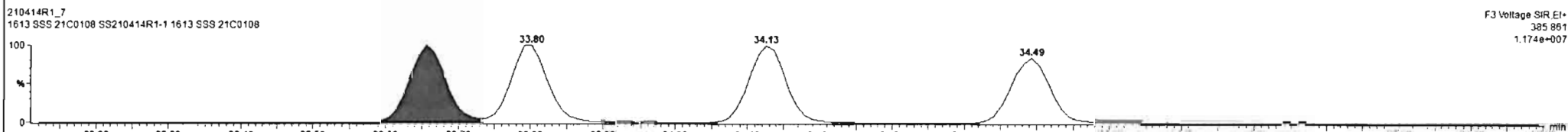
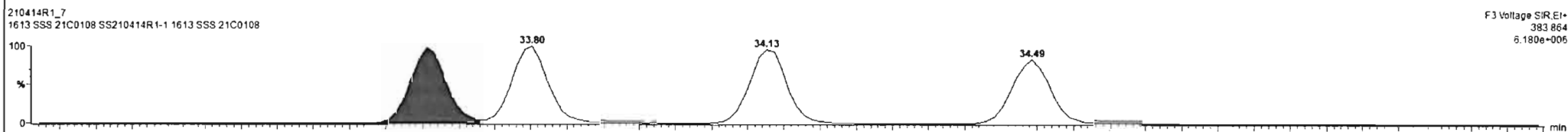
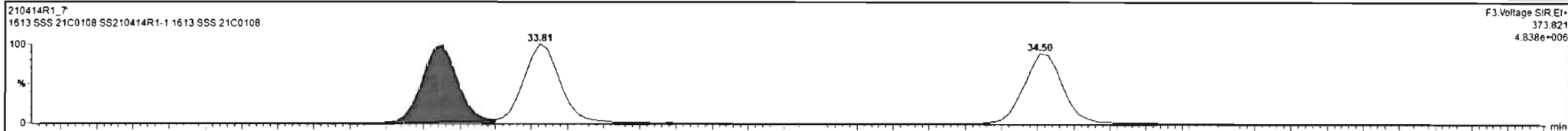


210414R1\_7 - SS210414R1-1 1613 SSS 21C0108 - 1613 SSS 21C0108

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	NRec	DL	EMPC
1	2,3,7,8-TCDD	1.42e5	0.76	NO	0.9291	1.000	26.93	1.001	9.59	95.9	0.0124	9.59
2	1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.8257	1.000	31.26	1.000	48.1	96.2	0.0507	48.1
3	1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.9725	1.000	34.61	1.000	50.2	100	0.114	50.2
4	1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.8771	1.000	34.74	1.001	52.9	106	0.119	52.9
5	1,2,3,7,8,9-HxCDD	3.89e5	1.25	NO	0.8739	1.000	35.03	1.000	49.6	99.2	0.114	49.6
6	1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.8987	1.000	36.31	1.001	48.7	97.4	0.133	48.7
7	OCDD	4.57e5	0.87	NO	0.8524	1.000	41.31	1.000	102	102	0.151	102
8	2,3,7,8-TCDF	1.58e5	0.75	NO	0.7466	1.000	26.34	1.001	9.83	98.3	0.0164	9.83
9	1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.8771	1.000	30.10	1.000	47.7	95.4	0.0773	47.7
10	2,3,4,7,8-PeCDF	8.89e5	1.54	NO	0.9621	1.000	31.09	1.000	50.9	102	0.0782	50.9
11	1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.9202	1.000	33.68	1.001	52.9	106	0.0947	52.9
12	1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.9363	1.000	33.81	1.000	51.1	102	0.0912	51.1
13	1,2,3,4,6,7,8-HxCDF	4.87e5	1.22	NO	0.9725	1.000	34.50	1.000	52.8	106	0.1051	52.8



Name	Resp	RA	nHy	RRF	wt/wal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.42e5	0.78	NO	0.9291	1.000	28.93	1.001	9.59	95.9	0.0124	9.59
2 1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.8257	1.000	31.26	1.000	48.1	96.2	0.0507	48.1
3 1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.9725	1.000	34.61	1.000	50.2	100	0.114	50.2
4 1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.8771	1.000	34.74	1.001	52.9	106	0.119	52.9
5 1,2,3,7,8,9-HxCDD	3.89e5	1.25	NO	0.8739	1.000	35.03	1.000	49.6	99.2	0.114	49.6
6 1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.8967	1.000	38.31	1.001	48.7	97.4	0.133	48.7
7 OCDD	4.57e5	0.87	NO	0.8524	1.000	41.31	1.000	102	102	0.151	102
8 2,3,7,8-TCDF	1.58e5	0.75	NO	0.7466	1.000	26.34	1.001	9.83	98.3	0.0164	9.83
9 1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.8771	1.000	30.10	1.000	47.7	95.4	0.0773	47.7
10 2,3,4,7,8-PeCDF	8.89e5	1.54	NO	0.9621	1.000	31.09	1.000	50.8	102	0.0782	50.9
11 1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.9002	1.000	33.68	1.001	52.9	106	0.0947	52.9
12 1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.9363	1.000	33.81	1.000	51.1	102	0.0912	51.1
13 2,3,4,6,7,8-HxCDF	4.87e5	1.22	NO	0.9725	1.000	34.50	1.000	52.6	106	0.105	52.8



Regdx 210414R1\_7 CAP NUM

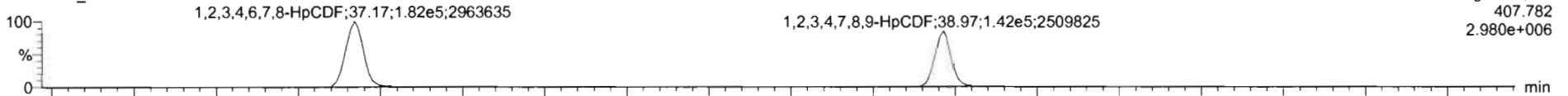
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

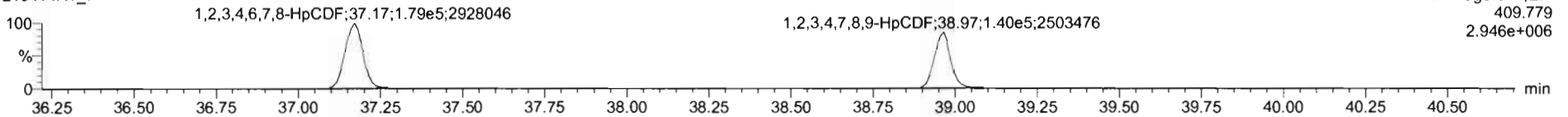
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_7

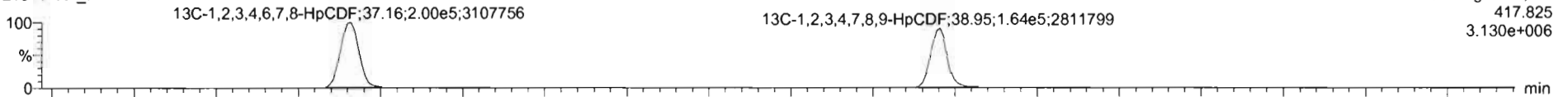


210414R1\_7

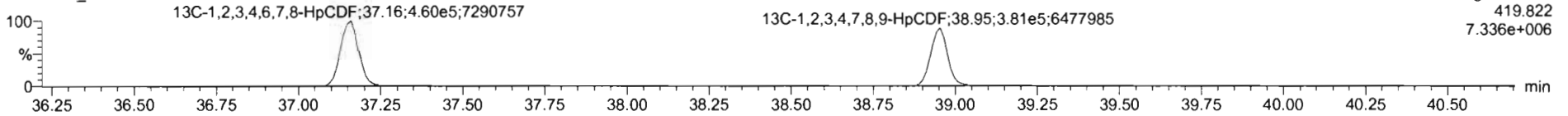


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_7

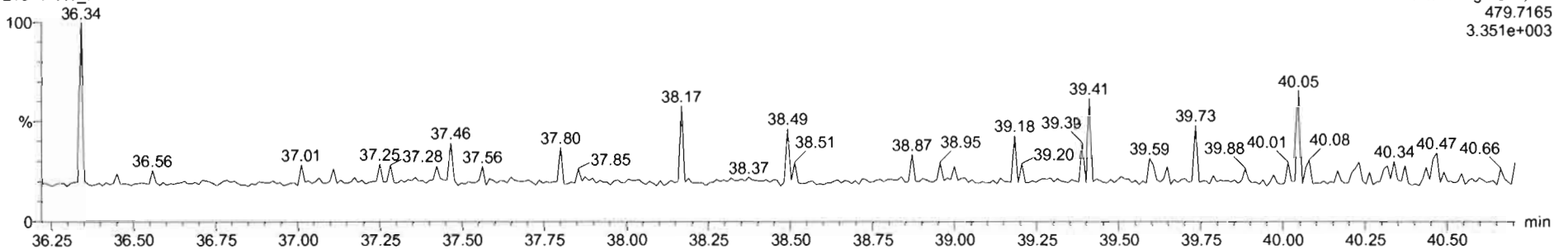


210414R1\_7



**DPE4**

210414R1\_7



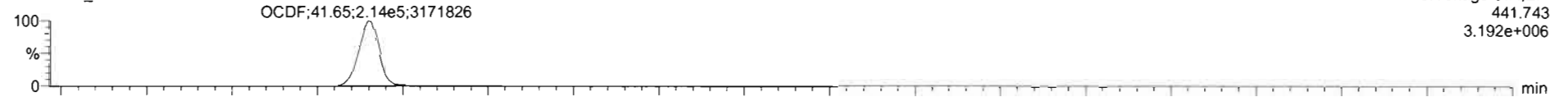
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

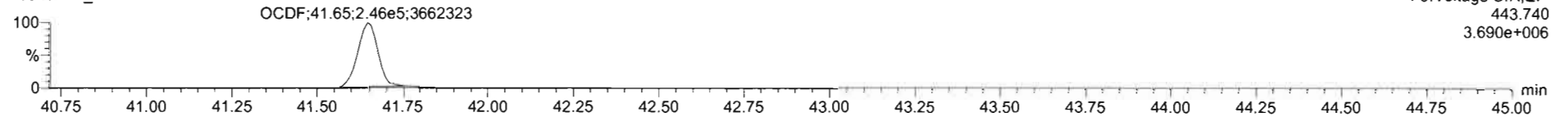
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**OCDF**

210414R1\_7



210414R1\_7

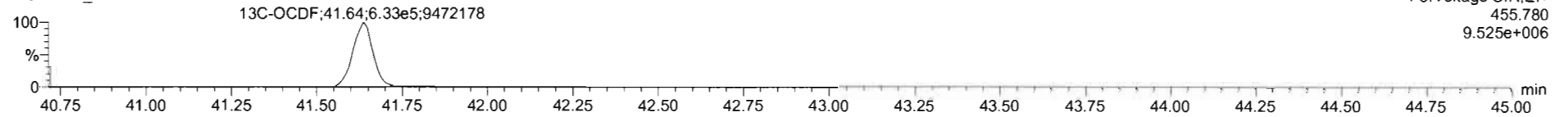


**13C-OCDF**

210414R1\_7

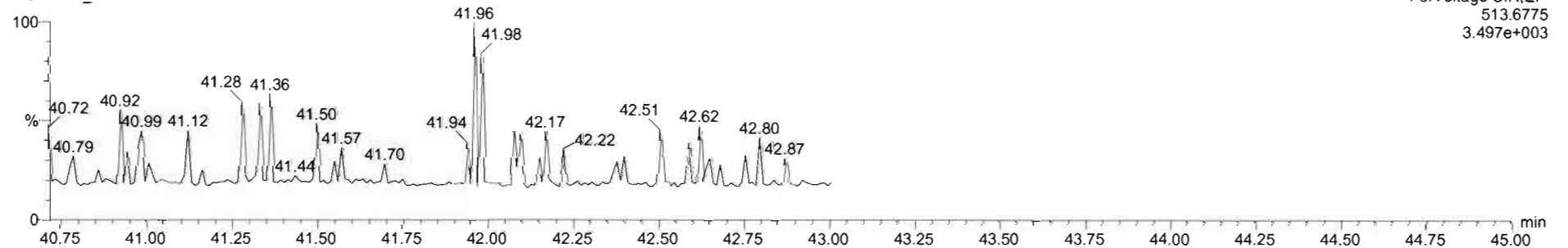


210414R1\_7



**DPE5**

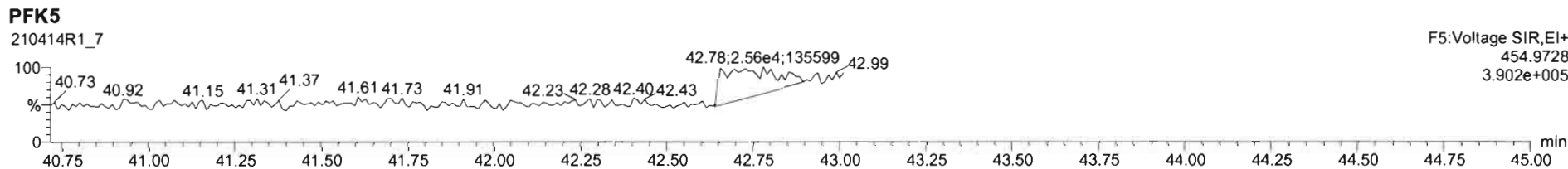
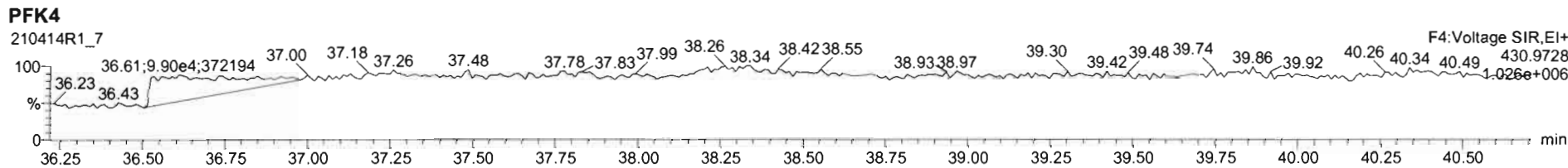
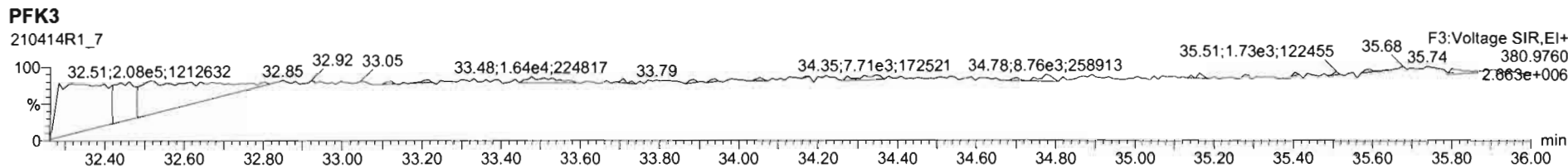
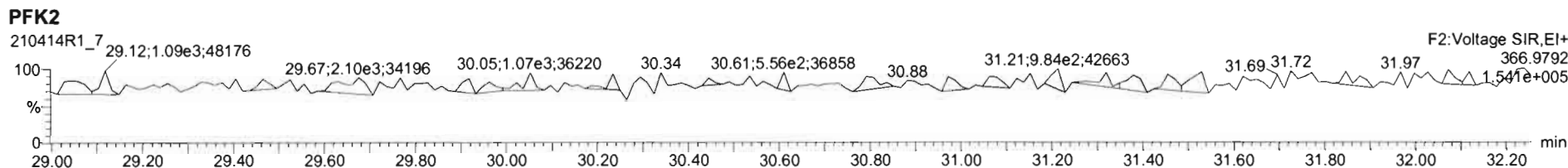
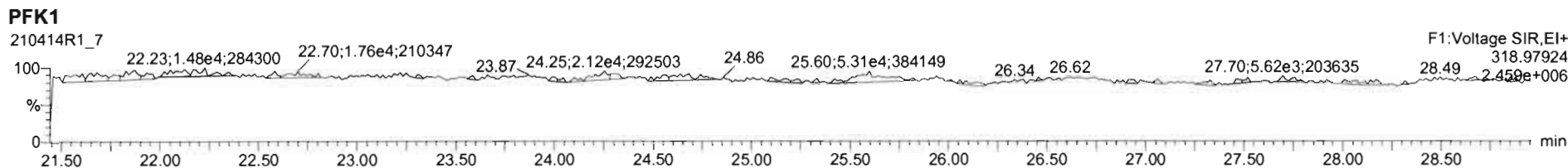
210414R1\_7



Dataset: Untitled

Last Altered: Thursday, April 15, 2021 10:05:01 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time  
 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

*HN 04/13/21*  
*DFo 4/13/21*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
 Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Compound name: Hexachlorobenzene  
 Response Factor: 0.98374  
 RRF SD: 0.0643, Relative SD: 6.53628  
 Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

*limited,*  
*New high points for:*  
 - Endosulfan I (alpha)  
 - 2,4'-DDE  
 - 4,4'-DDE  
 - Endosulfan II (beta)  
 - 2,4'-DDD ; 4,4'-DDD  
 - 2,4'-DDT ; 4,4'-DDT  
 - Methoxychlor

*@ 250*

*Detector @ 300*

*- 2nd last C resolution check done manually.*

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.34	NO	22.69	1.001	7.72e4	2.24e6	1.75	-12.3	0.862	bb
2	210412H1_3	10.0	1.25	NO	22.69	1.001	7.57e5	3.72e6	10.3	3.5	1.02	bb
3	210412H1_4	100	1.27	NO	22.71	1.001	6.44e6	3.25e6	101	0.6	0.990	bb
4	210412H1_5	250	1.26	NO	22.71	1.001	2.13e7	4.32e6	250	0.1	0.985	bb
5	210412H1_6	1200	1.26	NO	22.71	1.001	1.20e8	5.04e6	1210	1.2	0.996	bb
6	210412H1_7	50.0	1.27	NO	22.71	1.001	2.69e6	2.56e6	53.4	6.9	1.05	bb

Compound name: Alpha-BHC  
 Response Factor: 0.827177  
 RRF SD: 0.0463407, Relative SD: 5.60227  
 Response type: Internal Std ( Ref 35 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	2.13	NO	23.24	1.001	1.91e4	6.46e5	1.79	-10.5	0.740	MM
2	210412H1_3	10.0	2.13	NO	23.24	1.001	1.78e5	1.08e6	9.93	-0.7	0.821	bb
3	210412H1_4	100	2.11	NO	23.26	1.001	1.58e6	9.55e5	100	0.3	0.829	bb
4	210412H1_5	250	2.10	NO	23.26	1.001	5.46e6	1.29e6	256	2.3	0.846	bb
5	210412H1_6	1200	2.09	NO	23.26	1.001	3.25e7	1.59e6	1240	3.2	0.854	db
6	210412H1_7	50.0	2.12	NO	23.26	1.001	6.72e5	7.70e5	52.7	5.5	0.873	bb

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time  
 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

**Compound name: Lindane (gamma-BHC)**

Response Factor: 0.859755  
 RRF SD: 0.0193005, Relative SD: 2.24488  
 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	210412H1_2	2.00	2.17	NO	26.59	1.001	1.68e4	4.94e5	1.98	-1.2	0.849	MM
2	210412H1_3	10.0	2.24	NO	26.60	1.001	1.36e5	7.96e5	9.92	-0.8	0.852	bb
3	210412H1_4	100	2.12	NO	26.60	1.001	1.19e6	7.11e5	97.4	-2.6	0.837	bb
4	210412H1_5	250	2.08	NO	26.60	1.001	4.22e6	9.90e5	248	-0.8	0.853	bb
5	210412H1_6	1200	2.09	NO	26.60	1.001	2.52e7	1.19e6	1230	2.6	0.882	bb
6	210412H1_7	50.0	2.13	NO	26.60	1.001	5.03e5	5.68e5	51.4	2.9	0.885	bb

**Compound name: Beta-BHC**

Response Factor: 0.997699  
 RRF SD: 0.0276423, Relative SD: 2.77061  
 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	210412H1_2	2.00	2.40	NO	28.59	1.001	1.38e4	3.63e5	1.91	-4.5	0.953	MM
2	210412H1_3	10.0	2.09	NO	28.61	1.001	1.17e5	5.79e5	10.2	1.7	1.01	bb
3	210412H1_4	100	2.11	NO	28.61	1.001	1.03e6	5.29e5	97.8	-2.2	0.976	bb
4	210412H1_5	250	2.11	NO	28.61	1.001	3.68e6	7.34e5	251	0.4	1.00	bb
5	210412H1_6	1200	2.11	NO	28.61	1.001	2.25e7	9.14e5	1230	2.7	1.02	bd
6	210412H1_7	50.0	2.12	NO	28.61	1.001	4.24e5	4.18e5	50.9	1.9	1.02	bb

**Compound name: Delta-BHC**

Response Factor: 0.907324  
 RRF SD: 0.0726019, Relative SD: 8.00176  
 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	210412H1_2	2.00	2.10	NO	30.25	1.000	1.27e4	4.13e5	1.69	-15.5	0.767	MM
2	210412H1_3	10.0	2.09	NO	30.27	1.000	1.25e5	6.63e5	10.4	3.7	0.941	bb



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time  
 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

**Compound name: Delta-BHC**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	100	2.08	NO	30.27	1.001	1.11e6	6.17e5	99.3	-0.7	0.901	bb
4	210412H1_5	250	2.07	NO	30.27	1.001	4.03e6	8.73e5	254	1.7	0.923	bb
5	210412H1_6	1200	2.09	NO	30.28	1.001	2.50e7	1.11e6	1240	3.7	0.941	bb
6	210412H1_7	50.0	2.14	NO	30.27	1.001	4.70e5	4.83e5	53.5	7.1	0.972	bb

**Compound name: Heptachlor**

Response Factor: 1.0998

RRF SD: 0.0554536, Relative SD: 5.04216

Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.12	NO	28.74	1.002	1.50e4	3.72e5	1.83	-8.5	1.01	bb
2	210412H1_3	10.0	1.29	NO	28.76	1.002	1.28e5	5.97e5	9.78	-2.2	1.08	bd
3	210412H1_4	100	1.29	NO	28.74	1.001	1.19e6	5.45e5	99.7	-0.3	1.10	bb
4	210412H1_5	250	1.29	NO	28.74	1.001	4.33e6	7.78e5	253	1.4	1.11	bb
5	210412H1_6	1200	1.27	NO	28.76	1.001	2.66e7	9.58e5	1260	5.2	1.16	bb
6	210412H1_7	50.0	1.29	NO	28.74	1.001	4.79e5	4.17e5	52.2	4.5	1.15	bb

**Compound name: Aldrin**

Response Factor: 1.09177

RRF SD: 0.0688342, Relative SD: 6.30483

Response type: Internal Std ( Ref 40 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.54	NO	30.83	1.001	1.55e4	3.98e5	1.79	-10.7	0.975	db
2	210412H1_3	10.0	1.65	NO	30.83	1.001	1.38e5	6.49e5	9.73	-2.7	1.06	bb
3	210412H1_4	100	1.58	NO	30.83	1.001	1.24e6	5.63e5	101	1.2	1.11	bb
4	210412H1_5	250	1.58	NO	30.83	1.001	4.32e6	7.89e5	250	0.2	1.09	bb
5	210412H1_6	1200	1.58	NO	30.84	1.001	2.60e7	9.27e5	1290	7.2	1.17	bb
6	210412H1_7	50.0	1.57	NO	30.83	1.001	5.11e5	4.46e5	52.4	4.9	1.15	bb

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

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 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

**Compound name: Oxychlordane**

Response Factor: 1.0616

RRF SD: 0.0989139, Relative SD: 9.31748

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.78	NO	33.37	1.000	3.60e3	1.03e5	1.64	-18.2	0.869	MM
2	210412H1_3	10.0	1.47	NO	33.40	1.001	3.67e4	1.65e5	10.4	4.5	1.11	bb
3	210412H1_4	100	1.58	NO	33.38	1.001	3.14e5	1.49e5	99.0	-1.0	1.05	bb
4	210412H1_5	250	1.59	NO	33.38	1.001	1.12e6	2.05e5	258	3.2	1.10	bb
5	210412H1_6	1200	1.58	NO	33.40	1.001	7.08e6	2.68e5	1250	3.8	1.10	bb
6	210412H1_7	50.0	1.61	NO	33.38	1.001	1.24e5	1.09e5	53.8	7.6	1.14	bb

**Compound name: cis-Heptachlor Epoxide**

Response Factor: 1.07548

RRF SD: 0.100746, Relative SD: 9.36755

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.27	NO	34.16	1.000	4.39e3	1.25e5	1.63	-18.5	0.877	bb
2	210412H1_3	10.0	1.50	NO	34.17	1.001	4.40e4	2.03e5	10.1	0.9	1.09	bb
3	210412H1_4	100	1.58	NO	34.17	1.001	3.96e5	1.79e5	103	3.1	1.11	bb
4	210412H1_5	250	1.56	NO	34.17	1.001	1.41e6	2.58e5	254	1.5	1.09	bb
5	210412H1_6	1200	1.58	NO	34.17	1.000	8.80e6	3.17e5	1290	7.4	1.16	bb
6	210412H1_7	50.0	1.52	NO	34.17	1.001	1.55e5	1.37e5	52.8	5.5	1.14	bb

**Compound name: trans-Heptachlor Epoxide**

Response Factor: 0.290681

RRF SD: 0.0109251, Relative SD: 3.75845

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.66	NO	34.65	1.015	1.36e3	1.25e5	1.87	-6.3	0.272	MM
2	210412H1_3	10.0	1.53	NO	34.65	1.015	1.22e4	2.03e5	10.3	3.2	0.300	bb

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

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**Compound name: trans-Heptachlor Epoxide**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	100	1.64	NO	34.65	1.015	1.02e5	1.79e5	98.7	-1.3	0.287	bb
4	210412H1_5	250	1.58	NO	34.65	1.015	3.74e5	2.58e5	250	-0.1	0.290	bb
5	210412H1_6	1200	1.59	NO	34.67	1.015	2.31e6	3.17e5	1250	4.4	0.304	bb
6	210412H1_7	50.0	1.75	NO	34.65	1.015	3.98e4	1.37e5	50.1	0.1	0.291	bb

**Compound name: trans-Chlordane (gamma)**

Response Factor: 1.13624

RRF SD: 0.0736643, Relative SD: 6.48314

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.63	NO	35.06	1.001	3.55e3	8.62e4	1.81	-9.5	1.03	bb
2	210412H1_3	10.0	1.76	NO	35.06	1.000	3.43e4	1.42e5	10.6	6.0	1.20	bd
3	210412H1_4	100	1.55	NO	35.06	1.000	3.02e5	1.30e5	102	2.3	1.16	bd
4	210412H1_5	250	1.55	NO	35.06	1.000	1.08e6	1.89e5	252	0.6	1.14	bd
5	210412H1_6	1200	1.58	NO	35.08	1.001	6.43e6	2.51e5	1130	-6.0	1.07	bd
6	210412H1_7	50.0	1.60	NO	35.06	1.001	1.17e5	9.68e4	53.2	6.5	1.21	bd

**Compound name: trans-Nonachlor**

Response Factor: 1.05879

RRF SD: 0.0547281, Relative SD: 5.16894

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.83	NO	35.25	1.001	3.74e3	9.87e4	1.79	-10.4	0.949	MM
2	210412H1_3	10.0	1.73	NO	35.25	1.000	3.59e4	1.67e5	10.1	1.2	1.07	db
3	210412H1_4	100	1.58	NO	35.25	1.001	3.12e5	1.46e5	101	1.1	1.07	db
4	210412H1_5	250	1.56	NO	35.25	1.001	1.12e6	2.08e5	255	1.9	1.08	db
5	210412H1_6	1200	1.58	NO	35.26	1.001	6.80e6	2.59e5	1240	3.2	1.09	db
6	210412H1_7	50.0	1.60	NO	35.25	1.001	1.17e5	1.07e5	51.5	2.9	1.09	db

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

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**Compound name: cis-Chlordane**

Response Factor: 1.16456

RRF SD: 0.0923907, Relative SD: 7.93353

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.93	NO	35.73	1.015	3.87e3	9.87e4	1.68	-15.9	0.979	bd
2	210412H1_3	10.0	1.63	NO	35.73	1.014	4.05e4	1.67e5	10.4	3.9	1.21	bd
3	210412H1_4	100	1.60	NO	35.73	1.015	3.46e5	1.46e5	102	1.8	1.19	bd
4	210412H1_5	250	1.57	NO	35.73	1.015	1.24e6	2.08e5	256	2.4	1.19	bd
5	210412H1_6	1200	1.58	NO	35.75	1.015	7.41e6	2.59e5	1230	2.1	1.19	bd
6	210412H1_7	50.0	1.62	NO	35.73	1.015	1.32e5	1.07e5	52.8	5.7	1.23	bd

**Compound name: Endosulfan I (alpha)**

Response Factor: 1.22932

RRF SD: 0.13527, Relative SD: 11.0037

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	10.0	1.69	NO	35.83	1.000	1.82e4	6.71e4	11.1	10.7	1.36	MM
2	210412H1_3	15.0	1.50	NO	35.85	1.001	4.34e4	1.08e5	16.4	9.0	1.34	db
3	210412H1_4	100	1.60	NO	35.83	1.000	2.30e5	1.01e5	92.6	-7.4	1.14	db
4	210412H1_5	250	1.61	NO	35.83	1.000	8.07e5	1.55e5	212	-15.0	1.04	db
5	210412H1_6	1200	1.58	NO	35.85	1.000	5.02e6	2.42e5	845	-29.6	0.865	dbX
6	210412H1_7	50.0	1.52	NO	35.83	1.000	9.25e4	7.32e4	51.4	2.8	1.26	db

**Compound name: 2,4'-DDE**

Response Factor: 1.02459

RRF SD: 0.0335613, Relative SD: 3.27558

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.34	NO	35.70	1.000	9.21e4	2.32e6	1.93	-3.3	0.991	dd
2	210412H1_3	10.0	1.53	NO	35.70	1.000	8.22e5	3.88e6	10.3	3.5	1.06	bb

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time  
 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

**Compound name: 2,4'-DDE**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	100	1.52	NO	35.70	1.000	6.69e6	3.33e6	98.1	-1.9	1.00	bb
4	210412H1_5	250	1.52	NO	35.70	1.000	2.32e7	4.62e6	245	-1.9	1.01	bb
5	210412H1_6	1200	1.21	NO	35.70	1.000	1.14e8	5.56e6	1000	-16.4	0.857	bbX
6	210412H1_7	50.0	1.50	NO	35.70	1.000	2.63e6	2.47e6	51.8	3.6	1.06	bb

**Compound name: 4,4'-DDE**

Response Factor: 1.03778

RRF SD: 0.0558903, Relative SD: 5.38555

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.50	NO	36.77	1.000	6.29e4	1.65e6	1.83	-8.4	0.951	MM
2	210412H1_3	10.0	1.51	NO	36.77	1.000	5.83e5	2.70e6	10.4	3.9	1.08	bd
3	210412H1_4	100	1.52	NO	36.77	1.000	4.80e6	2.33e6	99.1	-0.9	1.03	bb
4	210412H1_5	250	1.52	NO	36.77	1.000	1.65e7	3.18e6	250	-0.1	1.04	bb
5	210412H1_6	1200	1.30	NO	36.78	1.001	9.14e7	3.92e6	1120	-6.5	0.970	bbX
6	210412H1_7	50.0	1.54	NO	36.77	1.001	1.82e6	1.66e6	52.7	5.5	1.09	bb

**Compound name: Dieldrin**

Response Factor: 1.02956

RRF SD: 0.0872437, Relative SD: 8.47387

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.60	NO	37.29	1.001	8.53e3	2.45e5	1.69	-15.6	0.869	MM
2	210412H1_3	10.0	1.67	NO	37.29	1.001	8.22e4	4.04e5	9.90	-1.0	1.02	bb
3	210412H1_4	100	1.56	NO	37.28	1.000	6.98e5	3.37e5	101	0.7	1.04	bb
4	210412H1_5	250	1.56	NO	37.28	1.000	2.43e6	4.66e5	254	1.5	1.05	bd
5	210412H1_6	1200	1.54	NO	37.29	1.001	1.40e7	5.40e5	1260	5.2	1.08	bb
6	210412H1_7	50.0	1.61	NO	37.28	1.000	2.74e5	2.43e5	54.6	9.2	1.12	bd

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

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**Compound name: Endrin**

Response Factor: 1.00779

RRF SD: 0.0677766, Relative SD: 6.72524

Response type: Internal Std ( Ref 49 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.49	NO	38.67	1.000	6.97e3	1.97e5	1.76	-12.2	0.885	MM
2	210412H1_3	10.0	1.67	NO	38.69	1.001	6.97e4	3.42e5	10.1	1.3	1.02	bb
3	210412H1_4	100	1.61	NO	38.67	1.000	5.08e5	2.50e5	101	0.6	1.01	bb
4	210412H1_5	250	1.58	NO	38.67	1.000	1.75e6	3.51e5	248	-0.9	0.998	bb
5	210412H1_6	1200	1.57	NO	38.69	1.001	1.07e7	4.27e5	1240	3.2	1.04	bb
6	210412H1_7	50.0	1.59	NO	38.67	1.000	1.59e5	1.46e5	54.0	8.0	1.09	bb

**Compound name: cis-Nonachlor**

Response Factor: 1.00043

RRF SD: 0.0943678, Relative SD: 9.4327

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.24	NO	38.96	1.000	4.24e3	1.30e5	1.63	-18.4	0.816	MM
2	210412H1_3	10.0	1.63	NO	38.96	1.000	4.40e4	2.18e5	10.1	1.0	1.01	bb
3	210412H1_4	100	1.59	NO	38.96	1.000	3.69e5	1.80e5	103	2.5	1.03	bb
4	210412H1_5	250	1.54	NO	38.96	1.000	1.29e6	2.45e5	264	5.5	1.06	bb
5	210412H1_6	1200	1.57	NO	38.97	1.001	7.89e6	3.24e5	1210	1.2	1.01	db
6	210412H1_7	50.0	1.58	NO	38.96	1.000	1.36e5	1.25e5	54.1	8.2	1.08	db

**Compound name: Endosulfan II (beta)**

Response Factor: 1.07037

RRF SD: 0.147377, Relative SD: 13.7688

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	10.0	1.33	NO	39.69	1.000	9.97e3	3.91e4	11.9	18.9	1.27	bb
2	210412H1_3	15.0	1.75	NO	39.69	1.000	2.53e4	7.22e4	16.4	9.2	1.17	bb

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**Compound name: Endosulfan II (beta)**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	100	1.61	NO	39.69	1.000	1.23e5	6.36e4	90.6	-9.4	0.970	bb
4	210412H1_5	250	1.59	NO	39.69	1.000	4.20e5	9.18e4	214	-14.4	0.916	bb
5	210412H1_6	1200	1.55	NO	39.70	1.000	2.64e6	1.85e5	667	-44.4	0.595	bbX
6	210412H1_7	50.0	1.67	NO	39.69	1.000	4.73e4	4.62e4	47.8	-4.3	1.02	bb

**Compound name: 2,4'-DDD**

Response Factor: 1.06618

RRF SD: 0.0507498, Relative SD: 4.75998

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.42	NO	37.90	1.000	8.71e4	2.18e6	1.88	-6.1	1.00	MM
2	210412H1_3	10.0	1.58	NO	37.90	1.000	8.12e5	3.66e6	10.4	4.0	1.11	bb
3	210412H1_4	100	1.58	NO	37.90	1.000	6.68e6	3.17e6	98.8	-1.2	1.05	bb
4	210412H1_5	250	1.58	NO	37.90	1.000	2.26e7	4.33e6	244	-2.2	1.04	bb
5	210412H1_6	1200	1.21	NO	37.90	1.000	1.10e8	5.58e6	925	-22.9	0.822	bbX
6	210412H1_7	50.0	1.58	NO	37.90	1.000	2.64e6	2.35e6	52.8	5.6	1.13	bb

**Compound name: 2,4'-DDT**

Response Factor: 1.04671

RRF SD: 0.054406, Relative SD: 5.19781

Response type: Internal Std ( Ref 53 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.36	NO	39.02	1.000	6.14e4	1.57e6	1.87	-6.6	0.978	MM
2	210412H1_3	10.0	1.56	NO	39.03	1.000	5.90e5	2.67e6	10.5	5.4	1.10	bd
3	210412H1_4	100	1.57	NO	39.02	1.000	4.66e6	2.26e6	98.6	-1.4	1.03	bd
4	210412H1_5	250	1.57	NO	39.02	1.000	1.57e7	3.08e6	244	-2.5	1.02	bd
5	210412H1_6	1200	1.35	NO	39.03	1.000	9.35e7	4.01e6	1110	-7.2	0.971	bdX
6	210412H1_7	50.0	1.59	NO	39.02	1.000	1.76e6	1.60e6	52.6	5.2	1.10	bd

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**Compound name: 4,4'-DDD**

Response Factor: 1.1629

RRF SD: 0.0445739, Relative SD: 3.833

Response type: Internal Std ( Ref 54 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.42	NO	39.15	1.000	8.16e4	1.84e6	1.91	-4.6	1.11	MM
2	210412H1_3	10.0	1.57	NO	39.15	1.000	7.40e5	3.11e6	10.2	2.4	1.19	db
3	210412H1_4	100	1.58	NO	39.15	1.000	6.08e6	2.64e6	99.1	-0.9	1.15	db
4	210412H1_5	250	1.59	NO	39.15	1.000	2.05e7	3.60e6	245	-2.1	1.14	db
5	210412H1_6	1200	1.19	NO	39.15	1.000	1.04e8	4.82e6	927	-22.7	0.899	dbX
6	210412H1_7	50.0	1.59	NO	39.15	1.000	2.29e6	1.87e6	52.6	5.2	1.22	db

**Compound name: 4,4'-DDT**

Response Factor: 1.13245

RRF SD: 0.072692, Relative SD: 6.41899

Response type: Internal Std ( Ref 55 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.36	NO	40.20	1.000	5.06e4	1.24e6	1.80	-10.1	1.02	MM
2	210412H1_3	10.0	1.59	NO	40.22	1.000	5.00e5	2.12e6	10.4	4.0	1.18	bd
3	210412H1_4	100	1.58	NO	40.20	1.000	3.91e6	1.73e6	99.9	-0.1	1.13	bb
4	210412H1_5	250	1.57	NO	40.20	1.000	1.30e7	2.30e6	249	-0.6	1.13	db
5	210412H1_6	1200	1.43	NO	40.22	1.000	8.13e7	3.07e6	1170	-2.6	1.10	dbX
6	210412H1_7	50.0	1.58	NO	40.20	1.000	1.39e6	1.15e6	53.4	6.7	1.21	bb

**Compound name: Endosulfan Sulfate**

Response Factor: 1.03659

RRF SD: 0.0214055, Relative SD: 2.065

Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	10.0	1.69	NO	41.41	1.001	1.21e4	5.82e4	10.0	0.5	1.04	bb
2	210412H1_3	15.0	1.45	NO	41.41	1.000	3.25e4	1.02e5	15.4	2.3	1.06	bb



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**Compound name: Endosulfan Sulfate**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	100	1.63	NO	41.40	1.000	1.64e5	7.77e4	102	1.9	1.06	bb
4	210412H1_5	250	1.58	NO	41.40	1.000	5.51e5	1.07e5	249	-0.2	1.03	db
5	210412H1_6	1200	1.55	NO	41.41	1.000	3.34e6	1.36e5	1190	-1.2	1.02	db
6	210412H1_7	50.0	1.63	NO	41.40	1.000	5.29e4	5.27e4	48.4	-3.3	1.00	bb

**Compound name: 4,4'-Methoxychlor**

Response Factor: 1.2205

RRF SD: 0.0524226, Relative SD: 4.29517

Response type: Internal Std ( Ref 57 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	10.0	6.29	NO	43.25	1.000	3.22e5	1.40e7	9.43	-5.7	1.15	bb
2	210412H1_3	15.0	5.85	NO	43.25	1.000	8.76e5	2.34e7	15.3	2.0	1.25	bb
3	210412H1_4	100	5.92	NO	43.25	1.000	3.92e6	1.63e7	98.6	-1.4	1.20	bb
4	210412H1_5	250	5.85	NO	43.25	1.000	1.26e7	2.08e7	248	-0.8	1.21	bb
5	210412H1_6	1200	4.38	NO	43.25	1.000	6.71e7	2.88e7	954	-20.5	0.970	dbX
6	210412H1_7	50.0	5.96	NO	43.25	1.000	1.19e6	9.21e6	52.9	5.9	1.29	bb

**Compound name: Mirex**

Response Factor: 1.03352

RRF SD: 0.0750862, Relative SD: 7.2651

Response type: Internal Std ( Ref 58 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	2.00	1.43	NO	43.87	1.000	2.40e4	6.76e5	1.72	-14.0	0.888	bb
2	210412H1_3	10.0	1.55	NO	43.87	1.000	2.32e5	1.09e6	10.3	2.9	1.06	bb
3	210412H1_4	100	1.58	NO	43.87	1.000	1.53e6	7.39e5	100	0.0	1.03	bd
4	210412H1_5	250	1.57	NO	43.87	1.000	4.71e6	9.08e5	251	0.5	1.04	dd
5	210412H1_6	1200	1.56	NO	43.88	1.001	3.05e7	1.18e6	1250	4.5	1.08	dd
6	210412H1_7	50.0	1.58	NO	43.87	1.000	4.43e5	4.04e5	53.1	6.2	1.10	bb

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**Compound name: Endrin Aldehyde**

Response Factor: 1.02826

RRF SD: 0.106919, Relative SD: 10.398

Response type: Internal Std ( Ref 59 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	10.0	0.63	NO	40.81	1.001	9.57e3	5.79e5	8.03	-19.7	0.826	MM
2	210412H1_3	15.0	0.57	NO	40.81	1.000	2.60e4	8.44e5	15.0	-0.3	1.03	MM
3	210412H1_4	100	0.62	NO	40.81	1.001	1.65e5	7.28e5	110	10.3	1.13	MM
4	210412H1_5	250	0.61	NO	40.81	1.001	5.13e5	9.98e5	250	-0.0	1.03	MM
5	210412H1_6	1200	0.63	NO	40.81	1.000	3.70e6	1.44e6	1250	4.3	1.07	MM
6	210412H1_7	50.0	0.61	NO	40.81	1.001	6.19e4	5.72e5	52.7	5.4	1.08	MM

**Compound name: Endrin Ketone**

Response Factor: 0.926307

RRF SD: 0.0422244, Relative SD: 4.55836

Response type: Internal Std ( Ref 60 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	10.0	0.79	NO	43.99	1.000	1.25e4	7.32e5	9.21	-7.9	0.853	MM
2	210412H1_3	15.0	0.62	NO	44.01	1.001	3.36e4	1.23e6	14.7	-1.7	0.910	db
3	210412H1_4	100	0.61	NO	43.99	1.000	1.68e5	9.08e5	99.9	-0.1	0.925	db
4	210412H1_5	250	0.61	NO	43.99	1.000	5.35e5	1.14e6	253	1.2	0.937	db
5	210412H1_6	1200	0.63	NO	44.01	1.001	3.52e6	1.51e6	1260	4.8	0.970	db
6	210412H1_7	50.0	0.61	NO	43.99	1.000	5.49e4	5.71e5	51.9	3.8	0.961	db

**Compound name: 13C6-Hexachlorobenzene**

Response Factor: 0.8665

RRF SD: 0.0119493, Relative SD: 1.37903

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.26	NO	22.67	0.870	2.24e6	2.55e6	50.6	1.3	0.878	bb
2	210412H1_3	50.0	1.27	NO	22.68	0.871	3.72e6	4.27e6	50.3	0.5	0.871	bb

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**Compound name: 13C6-Hexachlorobenzene**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	50.0	1.28	NO	22.69	0.870	3.25e6	3.79e6	49.6	-0.9	0.859	bb
4	210412H1_5	50.0	1.27	NO	22.69	0.870	4.32e6	5.10e6	48.9	-2.2	0.847	bb
5	210412H1_6	50.0	1.28	NO	22.69	0.870	5.04e6	5.74e6	50.7	1.3	0.878	bb
6	210412H1_7	50.0	1.29	NO	22.69	0.871	2.56e6	2.95e6	50.0	0.0	0.867	bb

**Compound name: 13C6-Alpha-BHC**

Response Factor: 0.258247

RRF SD: 0.00937557, Relative SD: 3.63047

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.80	NO	23.21	0.891	6.46e5	2.55e6	49.1	-1.8	0.253	bb
2	210412H1_3	50.0	0.79	NO	23.23	0.891	1.08e6	4.27e6	49.2	-1.6	0.254	bb
3	210412H1_4	50.0	0.79	NO	23.23	0.891	9.55e5	3.79e6	48.8	-2.5	0.252	bb
4	210412H1_5	50.0	0.79	NO	23.23	0.891	1.29e6	5.10e6	49.0	-2.1	0.253	bb
5	210412H1_6	50.0	0.79	NO	23.23	0.891	1.59e6	5.74e6	53.5	7.0	0.276	bb
6	210412H1_7	50.0	0.78	NO	23.23	0.891	7.70e5	2.95e6	50.5	1.1	0.261	bb

**Compound name: 13C6-Lindane (gamma)**

Response Factor: 0.193689

RRF SD: 0.00758953, Relative SD: 3.9184

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.78	NO	26.55	1.019	4.94e5	2.55e6	50.0	0.0	0.194	bb
2	210412H1_3	50.0	0.79	NO	26.57	1.020	7.96e5	4.27e6	48.1	-3.8	0.186	bb
3	210412H1_4	50.0	0.79	NO	26.57	1.019	7.11e5	3.79e6	48.4	-3.1	0.188	bb
4	210412H1_5	50.0	0.79	NO	26.57	1.019	9.90e5	5.10e6	50.1	0.3	0.194	bb
5	210412H1_6	50.0	0.79	NO	26.59	1.020	1.19e6	5.74e6	53.6	7.2	0.208	bb
6	210412H1_7	50.0	0.80	NO	26.57	1.020	5.68e5	2.95e6	49.7	-0.6	0.193	bb

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**Compound name: 13C6-Beta-BHC**

Response Factor: 0.143718  
 RRF SD: 0.00814648, Relative SD: 5.66837  
 Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.79	NO	28.58	1.097	3.63e5	2.55e6	49.6	-0.9	0.142	bb
2	210412H1_3	50.0	0.79	NO	28.58	1.097	5.79e5	4.27e6	47.1	-5.7	0.136	bb
3	210412H1_4	50.0	0.80	NO	28.59	1.097	5.29e5	3.79e6	48.5	-2.9	0.140	bb
4	210412H1_5	50.0	0.79	NO	28.59	1.097	7.34e5	5.10e6	50.1	0.2	0.144	bd
5	210412H1_6	50.0	0.79	NO	28.59	1.097	9.14e5	5.74e6	55.4	10.8	0.159	dd
6	210412H1_7	50.0	0.79	NO	28.58	1.097	4.18e5	2.95e6	49.2	-1.5	0.142	bb

**Compound name: 13C6-Delta-BHC**

Response Factor: 0.167939  
 RRF SD: 0.0131784, Relative SD: 7.84712  
 Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.79	NO	30.24	1.160	4.13e5	2.55e6	48.2	-3.6	0.162	bd
2	210412H1_3	50.0	0.80	NO	30.25	1.161	6.63e5	4.27e6	46.2	-7.6	0.155	bb
3	210412H1_4	50.0	0.80	NO	30.25	1.160	6.17e5	3.79e6	48.4	-3.1	0.163	bb
4	210412H1_5	50.0	0.78	NO	30.25	1.160	8.73e5	5.10e6	51.0	2.0	0.171	bb
5	210412H1_6	50.0	0.80	NO	30.25	1.160	1.11e6	5.74e6	57.4	14.8	0.193	bd
6	210412H1_7	50.0	0.80	NO	30.25	1.161	4.83e5	2.95e6	48.8	-2.4	0.164	bb

**Compound name: 13C10-Heptachlor**

Response Factor: 0.148331  
 RRF SD: 0.0101227, Relative SD: 6.8244  
 Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.26	NO	28.69	1.101	3.72e5	2.55e6	49.2	-1.5	0.146	bb
2	210412H1_3	50.0	1.32	NO	28.71	1.102	5.97e5	4.27e6	47.1	-5.8	0.140	bd

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**Compound name: 13C10-Heptachlor**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	50.0	1.30	NO	28.71	1.101	5.45e5	3.79e6	48.4	-3.1	0.144	bb
4	210412H1_5	50.0	1.30	NO	28.71	1.101	7.78e5	5.10e6	51.4	2.8	0.153	bd
5	210412H1_6	50.0	1.28	NO	28.72	1.102	9.58e5	5.74e6	56.2	12.5	0.167	bb
6	210412H1_7	50.0	1.29	NO	28.71	1.102	4.17e5	2.95e6	47.6	-4.8	0.141	bb

**Compound name: 13C12-Aldrin**

Response Factor: 0.154064

RRF SD: 0.00456286, Relative SD: 2.96166

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.59	NO	30.79	1.181	3.98e5	2.55e6	50.7	1.4	0.156	bb
2	210412H1_3	50.0	1.58	NO	30.80	1.182	6.49e5	4.27e6	49.3	-1.4	0.152	bb
3	210412H1_4	50.0	1.53	NO	30.80	1.181	5.63e5	3.79e6	48.2	-3.5	0.149	bb
4	210412H1_5	50.0	1.57	NO	30.80	1.181	7.89e5	5.10e6	50.3	0.5	0.155	bb
5	210412H1_6	50.0	1.57	NO	30.80	1.181	9.27e5	5.74e6	52.4	4.9	0.162	bb
6	210412H1_7	50.0	1.53	NO	30.80	1.182	4.46e5	2.95e6	49.0	-1.9	0.151	bb

**Compound name: 13C10-Oxychlordan**

Response Factor: 0.0404203

RRF SD: 0.00333032, Relative SD: 8.23923

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.51	NO	33.35	1.280	1.03e5	2.55e6	50.2	0.4	0.0406	MM
2	210412H1_3	50.0	1.60	NO	33.37	1.281	1.65e5	4.27e6	47.9	-4.2	0.0387	bb
3	210412H1_4	50.0	1.59	NO	33.35	1.279	1.49e5	3.79e6	48.7	-2.6	0.0394	bb
4	210412H1_5	50.0	1.56	NO	33.35	1.279	2.05e5	5.10e6	49.8	-0.3	0.0403	bb
5	210412H1_6	50.0	1.65	NO	33.37	1.280	2.68e5	5.74e6	57.7	15.4	0.0467	bb
6	210412H1_7	50.0	1.61	NO	33.35	1.280	1.09e5	2.95e6	45.7	-8.7	0.0369	bb

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**Compound name: 13C10-cis-Heptachlor Epoxide**

Response Factor: 0.0493127  
 RRF SD: 0.00328402, Relative SD: 6.65959  
 Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.59	NO	34.14	1.310	1.25e5	2.55e6	49.8	-0.5	0.0491	bb
2	210412H1_3	50.0	1.57	NO	34.14	1.310	2.03e5	4.27e6	48.1	-3.8	0.0475	bb
3	210412H1_4	50.0	1.63	NO	34.14	1.309	1.79e5	3.79e6	47.8	-4.5	0.0471	bb
4	210412H1_5	50.0	1.53	NO	34.14	1.309	2.58e5	5.10e6	51.2	2.5	0.0505	bb
5	210412H1_6	50.0	1.66	NO	34.16	1.310	3.17e5	5.74e6	56.0	12.1	0.0553	bb
6	210412H1_7	50.0	1.57	NO	34.14	1.310	1.37e5	2.95e6	47.0	-5.9	0.0464	bb

**Compound name: 13C10-trans-Chlordane (gamma)**

Response Factor: 0.0358233  
 RRF SD: 0.00411878, Relative SD: 11.4975  
 Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.48	NO	35.03	1.344	8.62e4	2.55e6	47.2	-5.6	0.0338	bb
2	210412H1_3	50.0	1.53	NO	35.05	1.345	1.42e5	4.27e6	46.5	-6.9	0.0333	bb
3	210412H1_4	50.0	1.56	NO	35.05	1.344	1.30e5	3.79e6	47.8	-4.3	0.0343	bb
4	210412H1_5	50.0	1.70	NO	35.05	1.344	1.89e5	5.10e6	51.6	3.3	0.0370	bd
5	210412H1_6	50.0	1.86	NO	35.05	1.344	2.51e5	5.74e6	61.0	22.0	0.0437	bd
6	210412H1_7	50.0	1.47	NO	35.03	1.344	9.68e4	2.95e6	45.8	-8.4	0.0328	bd

**Compound name: 13C10-trans-Nonachlor**

Response Factor: 0.0637986  
 RRF SD: 0.00377851, Relative SD: 5.92255  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.55	NO	35.22	0.983	9.87e4	1.62e6	47.8	-4.4	0.0610	bb
2	210412H1_3	50.0	1.66	NO	35.24	0.983	1.67e5	2.79e6	47.0	-6.0	0.0600	bb

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**Compound name: 13C10-trans-Nonachlor**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	50.0	1.59	NO	35.22	0.983	1.46e5	2.36e6	48.5	-3.1	0.0619	bb
4	210412H1_5	50.0	1.55	NO	35.22	0.983	2.08e5	3.18e6	51.2	2.4	0.0653	db
5	210412H1_6	50.0	1.66	NO	35.24	0.983	2.59e5	3.69e6	55.1	10.2	0.0703	db
6	210412H1_7	50.0	1.64	NO	35.22	0.983	1.07e5	1.67e6	50.4	0.9	0.0644	db

**Compound name: 13C9-Endosulfan I (alpha)**

Response Factor: 0.0430788

RRF SD: 0.00364853, Relative SD: 8.46943

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.65	NO	35.82	1.000	6.71e4	1.62e6	48.1	-3.8	0.0414	bb
2	210412H1_3	50.0	1.64	NO	35.82	0.999	1.08e5	2.79e6	44.9	-10.3	0.0387	bb
3	210412H1_4	50.0	1.70	NO	35.82	0.999	1.01e5	2.36e6	49.8	-0.5	0.0429	db
4	210412H1_5	50.0	1.63	NO	35.82	0.999	1.55e5	3.18e6	56.4	12.8	0.0486	db
5	210412H1_6	50.0	1.99	YES	35.83	1.000	2.42e5	3.69e6	76.1	52.1	0.0655	dbX
6	210412H1_7	50.0	1.61	NO	35.82	1.000	7.32e4	1.67e6	50.9	1.8	0.0439	bb

**Compound name: 13C12-2,4'-DDE**

Response Factor: 1.43414

RRF SD: 0.0362706, Relative SD: 2.52908

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.60	NO	35.69	0.996	2.32e6	1.62e6	50.0	0.1	1.44	bb
2	210412H1_3	50.0	1.59	NO	35.69	0.996	3.88e6	2.79e6	48.4	-3.2	1.39	bb
3	210412H1_4	50.0	1.58	NO	35.69	0.996	3.33e6	2.36e6	49.2	-1.5	1.41	bb
4	210412H1_5	50.0	1.56	NO	35.69	0.996	4.62e6	3.18e6	50.6	1.2	1.45	bb
5	210412H1_6	50.0	1.57	NO	35.70	0.996	5.56e6	3.69e6	52.5	5.0	1.51	bbX
6	210412H1_7	50.0	1.59	NO	35.69	0.996	2.47e6	1.67e6	51.7	3.4	1.48	bb

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**Compound name: 13C12-4,4'-DDE**

Response Factor: 0.994684  
 RRF SD: 0.0188461, Relative SD: 1.89469  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.58	NO	36.75	1.026	1.65e6	1.62e6	51.4	2.7	1.02	bd
2	210412H1_3	50.0	1.54	NO	36.75	1.025	2.70e6	2.79e6	48.7	-2.6	0.969	bb
3	210412H1_4	50.0	1.58	NO	36.75	1.025	2.33e6	2.36e6	49.8	-0.5	0.990	bb
4	210412H1_5	50.0	1.58	NO	36.75	1.025	3.18e6	3.18e6	50.2	0.4	0.998	bd
5	210412H1_6	50.0	1.58	NO	36.75	1.025	3.92e6	3.69e6	53.5	6.9	1.06	bdX
6	210412H1_7	50.0	1.56	NO	36.74	1.025	1.66e6	1.67e6	50.0	-0.0	0.995	bb

**Compound name: 13C12-Dieldrin**

Response Factor: 0.146259  
 RRF SD: 0.00296056, Relative SD: 2.02419  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.65	NO	37.25	1.039	2.45e5	1.62e6	51.8	3.6	0.152	dd
2	210412H1_3	50.0	1.57	NO	37.26	1.039	4.04e5	2.79e6	49.4	-1.1	0.145	db
3	210412H1_4	50.0	1.61	NO	37.26	1.039	3.37e5	2.36e6	48.8	-2.4	0.143	dd
4	210412H1_5	50.0	1.60	NO	37.26	1.039	4.66e5	3.18e6	50.0	0.1	0.146	db
5	210412H1_6	50.0	1.61	NO	37.26	1.039	5.40e5	3.69e6	50.0	0.1	0.146	bb
6	210412H1_7	50.0	1.61	NO	37.26	1.040	2.43e5	1.67e6	49.9	-0.2	0.146	bb

**Compound name: 13C12-Endrin**

Response Factor: 0.110653  
 RRF SD: 0.0128941, Relative SD: 11.6527  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.61	NO	38.66	1.079	1.97e5	1.62e6	54.9	9.9	0.122	bb
2	210412H1_3	50.0	1.57	NO	38.66	1.078	3.42e5	2.79e6	55.3	10.6	0.122	bb



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**Compound name: 13C12-Endrin**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	50.0	1.55	NO	38.66	1.078	2.50e5	2.36e6	48.0	-4.1	0.106	bb
4	210412H1_5	50.0	1.55	NO	38.66	1.078	3.51e5	3.18e6	49.9	-0.2	0.110	bb
5	210412H1_6	50.0	1.62	NO	38.66	1.078	4.27e5	3.69e6	52.3	4.5	0.116	bd
6	210412H1_7	50.0	1.54	NO	38.66	1.079	1.46e5	1.67e6	39.6	-20.8	0.0877	bb

**Compound name: 13C10-cis-Nonachlor**

Response Factor: 0.0791427

RRF SD: 0.00463454, Relative SD: 5.85594

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.61	NO	38.94	1.087	1.30e5	1.62e6	50.7	1.5	0.0803	db
2	210412H1_3	50.0	1.63	NO	38.94	1.086	2.18e5	2.79e6	49.2	-1.5	0.0779	db
3	210412H1_4	50.0	1.61	NO	38.94	1.086	1.80e5	2.36e6	48.2	-3.5	0.0764	db
4	210412H1_5	50.0	1.66	NO	38.94	1.086	2.45e5	3.18e6	48.7	-2.6	0.0771	dd
5	210412H1_6	50.0	1.80	NO	38.94	1.086	3.24e5	3.69e6	55.5	11.1	0.0879	db
6	210412H1_7	50.0	1.63	NO	38.94	1.087	1.25e5	1.67e6	47.5	-5.0	0.0752	db

**Compound name: 13C9-Endosulfan II**

Response Factor: 0.0267143

RRF SD: 0.00178216, Relative SD: 6.6712

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.72	NO	39.67	1.107	3.91e4	1.62e6	45.3	-9.5	0.0242	bb
2	210412H1_3	50.0	1.62	NO	39.67	1.107	7.22e4	2.79e6	48.4	-3.1	0.0259	bb
3	210412H1_4	50.0	1.65	NO	39.67	1.107	6.36e4	2.36e6	50.4	0.9	0.0270	bb
4	210412H1_5	50.0	1.83	NO	39.67	1.107	9.18e4	3.18e6	54.0	8.0	0.0288	db
5	210412H1_6	50.0	2.03	YES	39.69	1.107	1.85e5	3.69e6	93.7	87.4	0.0501	MMX
6	210412H1_7	50.0	1.47	NO	39.67	1.107	4.62e4	1.67e6	51.9	3.7	0.0277	bb

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**Compound name: 13C12-2,4'-DDD**

Response Factor: 1.35369

RRF SD: 0.0346379, Relative SD: 2.55878

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.58	NO	37.89	1.057	2.18e6	1.62e6	49.6	-0.7	1.34	bb
2	210412H1_3	50.0	1.56	NO	37.89	1.057	3.66e6	2.79e6	48.5	-3.1	1.31	bb
3	210412H1_4	50.0	1.55	NO	37.89	1.057	3.17e6	2.36e6	49.7	-0.7	1.34	bb
4	210412H1_5	50.0	1.56	NO	37.89	1.057	4.33e6	3.18e6	50.3	0.6	1.36	bb
5	210412H1_6	50.0	1.57	NO	37.89	1.057	5.58e6	3.69e6	55.8	11.7	1.51	bbX
6	210412H1_7	50.0	1.57	NO	37.89	1.057	2.35e6	1.67e6	52.0	3.9	1.41	bb

**Compound name: 13C12-2,4'-DDT**

Response Factor: 0.962489

RRF SD: 0.00602138, Relative SD: 0.625605

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.80	NO	39.00	1.088	1.57e6	1.62e6	50.4	0.7	0.969	bd
2	210412H1_3	50.0	1.77	NO	39.02	1.088	2.67e6	2.79e6	49.8	-0.4	0.958	bd
3	210412H1_4	50.0	1.79	NO	39.00	1.088	2.26e6	2.36e6	49.7	-0.6	0.957	bd
4	210412H1_5	50.0	1.80	NO	39.00	1.088	3.08e6	3.18e6	50.3	0.6	0.969	bd
5	210412H1_6	50.0	1.81	NO	39.02	1.088	4.01e6	3.69e6	56.5	12.9	1.09	bdX
6	210412H1_7	50.0	1.81	NO	39.00	1.088	1.60e6	1.67e6	49.9	-0.3	0.960	bd

**Compound name: 13C12-4,4'-DDD**

Response Factor: 1.1245

RRF SD: 0.0096083, Relative SD: 0.854448

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.58	NO	39.13	1.092	1.84e6	1.62e6	50.5	1.1	1.14	db
2	210412H1_3	50.0	1.57	NO	39.14	1.092	3.11e6	2.79e6	49.5	-1.0	1.11	db

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time  
 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

**Compound name: 13C12-4,4'-DDD**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	50.0	1.57	NO	39.13	1.092	2.64e6	2.36e6	49.7	-0.6	1.12	db
4	210412H1_5	50.0	1.58	NO	39.14	1.092	3.60e6	3.18e6	50.3	0.7	1.13	db
5	210412H1_6	50.0	1.57	NO	39.14	1.092	4.82e6	3.69e6	58.1	16.2	1.31	dbX
6	210412H1_7	50.0	1.57	NO	39.14	1.092	1.87e6	1.67e6	49.9	-0.2	1.12	db

**Compound name: 13C12-4,4'-DDT**

Response Factor: 0.73505

RRF SD: 0.0312753, Relative SD: 4.25485

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.56	NO	40.19	1.122	1.24e6	1.62e6	52.3	4.6	0.769	bb
2	210412H1_3	50.0	1.56	NO	40.20	1.122	2.12e6	2.79e6	51.7	3.4	0.760	db
3	210412H1_4	50.0	1.57	NO	40.19	1.121	1.73e6	2.36e6	49.9	-0.2	0.733	bb
4	210412H1_5	50.0	1.59	NO	40.19	1.121	2.30e6	3.18e6	49.2	-1.6	0.723	bb
5	210412H1_6	50.0	1.59	NO	40.20	1.122	3.07e6	3.69e6	56.6	13.2	0.832	bbX
6	210412H1_7	50.0	1.56	NO	40.19	1.122	1.15e6	1.67e6	46.9	-6.1	0.690	bb

**Compound name: 13C9-Endosulfan Sulfate**

Response Factor: 0.0345747

RRF SD: 0.00217755, Relative SD: 6.2981

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.66	NO	41.38	1.155	5.82e4	1.62e6	52.0	4.0	0.0360	bb
2	210412H1_3	50.0	1.68	NO	41.40	1.155	1.02e5	2.79e6	53.0	6.0	0.0366	bb
3	210412H1_4	50.0	1.58	NO	41.38	1.154	7.77e4	2.36e6	47.7	-4.7	0.0330	bb
4	210412H1_5	50.0	1.57	NO	41.38	1.154	1.07e5	3.18e6	48.4	-3.1	0.0335	bb
5	210412H1_6	50.0	1.56	NO	41.40	1.155	1.36e5	3.69e6	53.2	6.4	0.0368	bb
6	210412H1_7	50.0	1.52	NO	41.38	1.155	5.27e4	1.67e6	45.7	-8.6	0.0316	bb

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time  
 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

**Compound name: 13C12-Methoxychlor**

Response Factor: 0.720309  
 RRF SD: 0.130547, Relative SD: 18.1238  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	500	19.16	NO	43.24	1.207	1.40e7	1.62e6	599	19.8	0.863	bb
2	210412H1_3	500	19.77	NO	43.24	1.206	2.34e7	2.79e6	583	16.6	0.840	bb
3	210412H1_4	500	20.50	NO	43.24	1.206	1.63e7	2.36e6	480	-4.0	0.692	bb
4	210412H1_5	500	20.52	NO	43.24	1.206	2.08e7	3.18e6	455	-9.1	0.655	bb
5	210412H1_6	500	21.37	NO	43.25	1.207	2.88e7	3.69e6	542	8.3	0.780	dbX
6	210412H1_7	500	20.43	NO	43.24	1.207	9.21e6	1.67e6	383	-23.4	0.552	bb

**Compound name: 13C10-Mirex**

Response Factor: 0.328107  
 RRF SD: 0.065674, Relative SD: 20.0161  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.63	NO	43.85	1.224	6.76e5	1.62e6	63.7	27.3	0.418	dd
2	210412H1_3	50.0	1.60	NO	43.85	1.223	1.09e6	2.79e6	59.6	19.2	0.391	dd
3	210412H1_4	50.0	1.56	NO	43.85	1.223	7.39e5	2.36e6	47.8	-4.4	0.314	dd
4	210412H1_5	50.0	1.60	NO	43.85	1.223	9.08e5	3.18e6	43.5	-13.0	0.285	dd
5	210412H1_6	50.0	1.65	NO	43.85	1.223	1.18e6	3.69e6	48.6	-2.8	0.319	dd
6	210412H1_7	50.0	1.66	NO	43.85	1.224	4.04e5	1.67e6	36.9	-26.3	0.242	bd

**Compound name: 13C12-Endrin Aldehyde**

Response Factor: 0.0335745  
 RRF SD: 0.00338572, Relative SD: 10.0842  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	500	0.45	NO	40.78	1.138	5.79e5	1.62e6	533	6.5	0.0358	MM
2	210412H1_3	500	0.46	NO	40.80	1.138	8.44e5	2.79e6	450	-10.0	0.0302	MM

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time  
 Printed: Tuesday, April 13, 2021 12:02:04 Pacific Daylight Time

**Compound name: 13C12-Endrin Aldehyde**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210412H1_4	500	0.46	NO	40.78	1.138	7.28e5	2.36e6	460	-8.0	0.0309	MM
4	210412H1_5	500	0.46	NO	40.78	1.138	9.98e5	3.18e6	467	-6.6	0.0314	MM
5	210412H1_6	500	0.46	NO	40.80	1.138	1.44e6	3.69e6	580	16.0	0.0389	MM
6	210412H1_7	500	0.43	NO	40.78	1.138	5.72e5	1.67e6	510	2.0	0.0343	MM

**Compound name: 13C12-Endrin Ketone**

Response Factor: 0.0398171

RRF SD: 0.0044217, Relative SD: 11.105

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	500	0.48	NO	43.98	1.227	7.32e5	1.62e6	568	13.6	0.0452	bb
2	210412H1_3	500	0.45	NO	43.98	1.227	1.23e6	2.79e6	554	10.9	0.0441	bb
3	210412H1_4	500	0.46	NO	43.98	1.227	9.08e5	2.36e6	483	-3.3	0.0385	bb
4	210412H1_5	500	0.47	NO	43.98	1.227	1.14e6	3.18e6	451	-9.9	0.0359	db
5	210412H1_6	500	0.46	NO	43.98	1.227	1.51e6	3.69e6	514	2.8	0.0409	bb
6	210412H1_7	500	0.47	NO	43.98	1.227	5.71e5	1.67e6	430	-14.0	0.0342	bb

**Compound name: 13C-PCB-15**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	1.55	NO	26.06	1.000	2.55e6	2.55e6	50.0	0.0	1.00	bb
2	210412H1_3	50.0	1.55	NO	26.06	1.000	4.27e6	4.27e6	50.0	0.0	1.00	bb
3	210412H1_4	50.0	1.55	NO	26.07	1.000	3.79e6	3.79e6	50.0	0.0	1.00	bb
4	210412H1_5	50.0	1.56	NO	26.07	1.000	5.10e6	5.10e6	50.0	0.0	1.00	bb
5	210412H1_6	50.0	1.55	NO	26.07	1.000	5.74e6	5.74e6	50.0	0.0	1.00	bb
6	210412H1_7	50.0	1.57	NO	26.06	1.000	2.95e6	2.95e6	50.0	0.0	1.00	bb

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 11:50:39 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 12:02:19 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Compound name: 13C-PCB-60

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210412H1_2	50.0	0.80	NO	35.83	1.000	1.62e6	1.62e6	50.0	0.0	1.00	bb
2	210412H1_3	50.0	0.80	NO	35.85	1.000	2.79e6	2.79e6	50.0	0.0	1.00	bb
3	210412H1_4	50.0	0.81	NO	35.85	1.000	2.36e6	2.36e6	50.0	0.0	1.00	bb
4	210412H1_5	50.0	0.81	NO	35.85	1.000	3.18e6	3.18e6	50.0	0.0	1.00	bb
5	210412H1_6	50.0	0.82	NO	35.85	1.000	3.69e6	3.69e6	50.0	0.0	1.00	bb
6	210412H1_7	50.0	0.81	NO	35.83	1.000	1.67e6	1.67e6	50.0	0.0	1.00	bd

Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 14:51:23 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 14:51:42 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

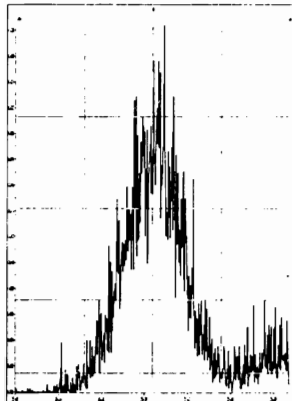
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3	210412H1_3	ST210412H1_3 1699 CS2 20B2102	12-Apr-21	16:39:21
4	210412H1_4	ST210412H1_4 1699 CS3.5 20B2104	12-Apr-21	17:26:09
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6	210412H1_6	ST210412H1_6 1699 CS5 20B2106	12-Apr-21	19:02:53
7	210412H1_7	ST210412H1_7 1699 CS3 21C0402	12-Apr-21	19:51:12
8	210412H1_8	SS210412H1_1 1699 SS 20B2107	12-Apr-21	20:39:33
9	210412H1_9	GC210412H1_1 GC BREAK	12-Apr-21	21:27:50
10	210412H1_10	B1C0235-BS1 OPR 1	12-Apr-21	22:16:14
11	210412H1_11	B1D0017-BS1 OPR 1	12-Apr-21	23:04:34
12	210412H1_12	SOLVENT BLANK	12-Apr-21	23:52:54
13	210412H1_13	B1C0235-BLK1 Method Blank 1	13-Apr-21	00:41:10
14	210412H1_14	B1D0017-BLK1 Method Blank 1	13-Apr-21	01:29:28
15	210412H1_15	2104002-02 SS-FB-2103300905 1.03768	13-Apr-21	02:17:53
16	210412H1_16	2104002-01 SS-RB-2103300910 1.05351	13-Apr-21	03:06:10
17	210412H1_17	2103248-01 MW48 1.03875	13-Apr-21	03:54:28
18	210412H1_18	2103248-03 KMW29 1.03359	13-Apr-21	04:42:48
19	210412H1_19	2103248-04 KMW31 1.03952	13-Apr-21	05:31:04
20	210412H1_20	2103248-02 MW49 1.01601	13-Apr-21	06:19:30
21	210412H1_21	2103248-05 KMW37 1.02843	13-Apr-21	07:07:47

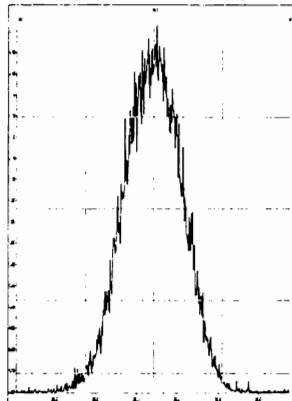
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Printed: Monday, April 12, 2021 13:26:37 Pacific Daylight Time

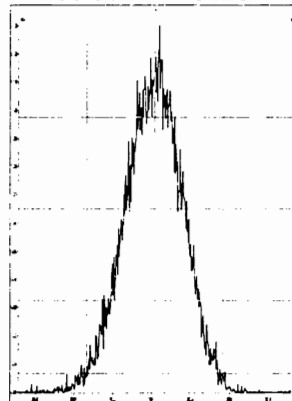
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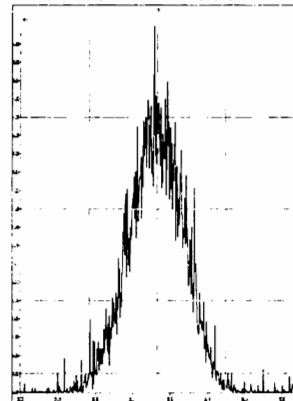
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M 280.9824 R 8228



M 292.9824 R 8967

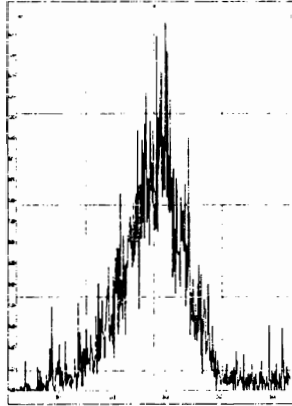




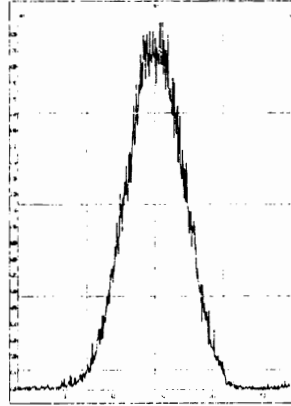
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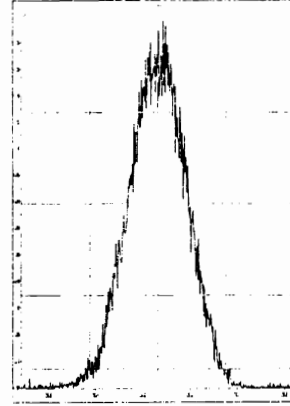
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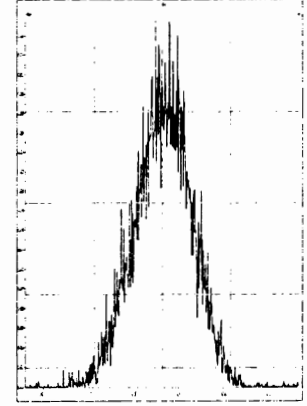
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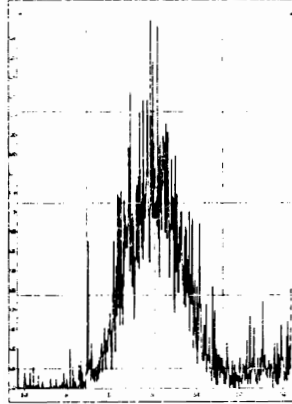
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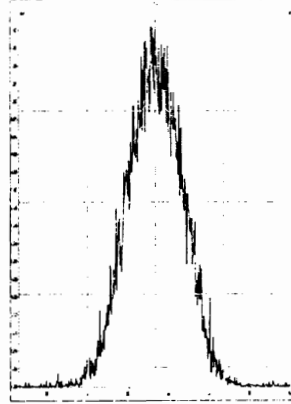
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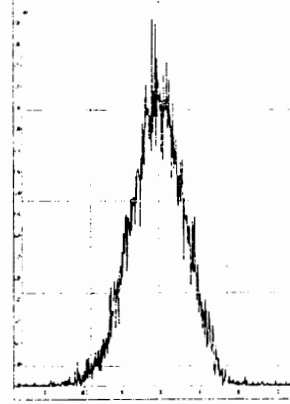
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M 268.9824 R 9614



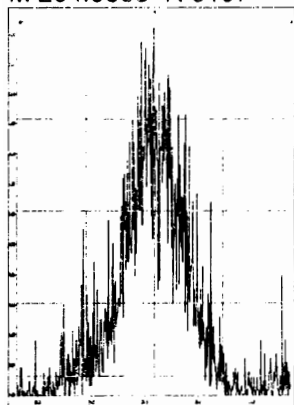
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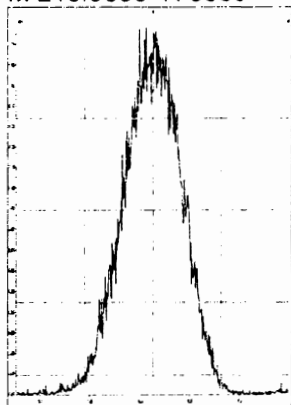
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Printed: Monday, April 12, 2021 13:28:54 Pacific Daylight Time

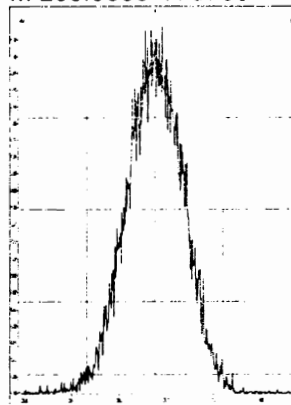
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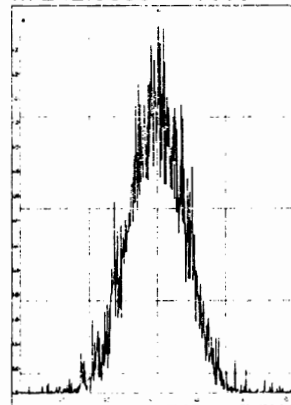
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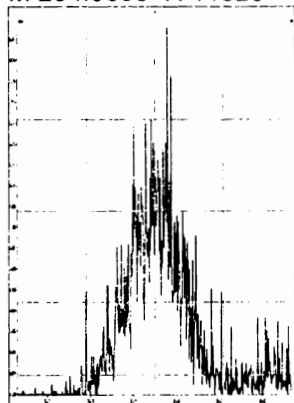
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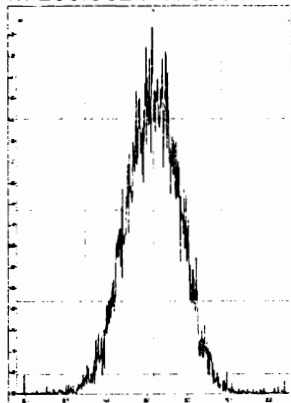
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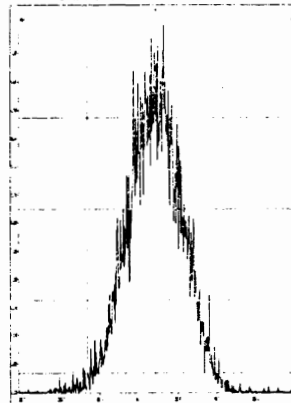
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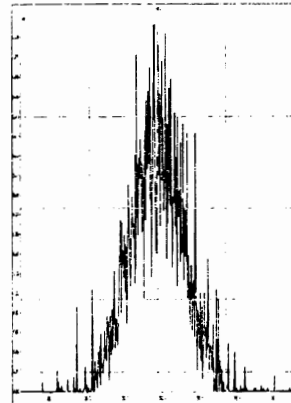
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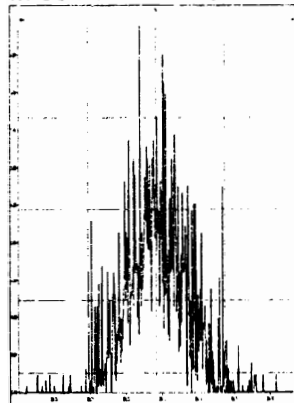
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M 292.9824 R 11765



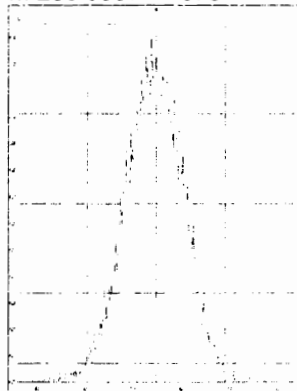
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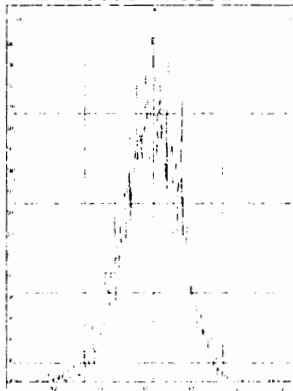
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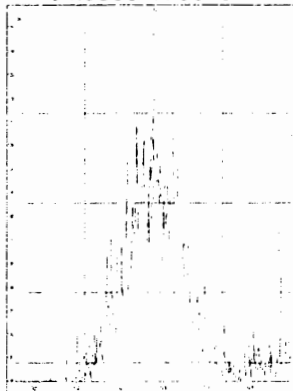
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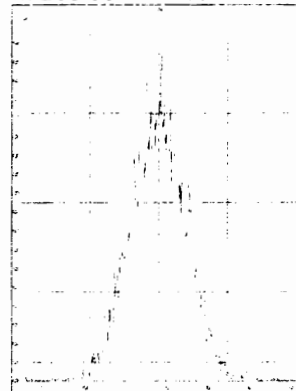
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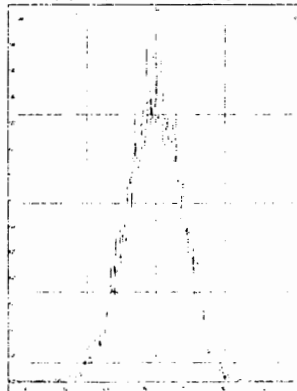
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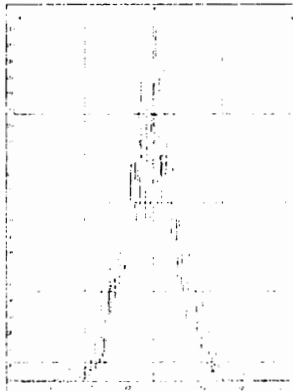
M 268.9824 R 8929



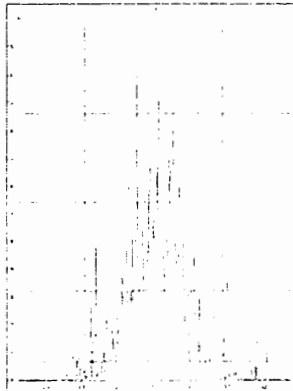
M 280.9824 R 8808



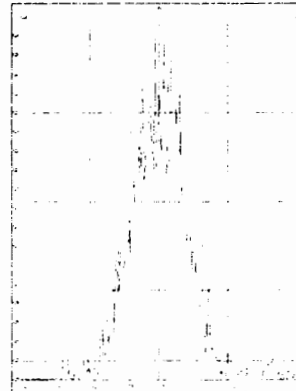
M 292.9824 R 10048



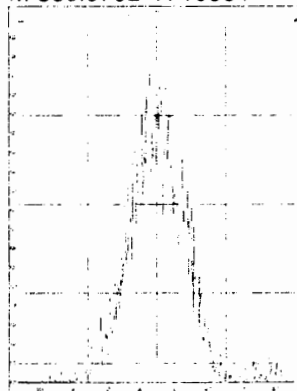
M 304.9824 R 10529



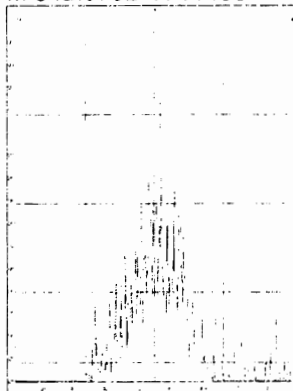
M 318.9792 R 9524



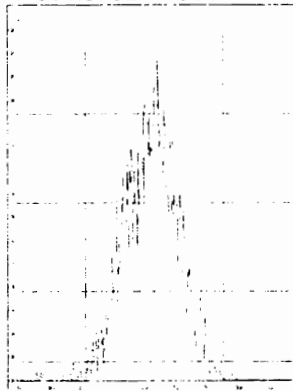
M 330.9792 R 10364



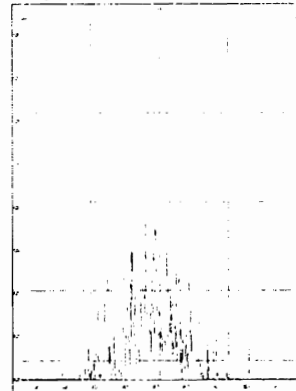
M 342.9792 R 11496



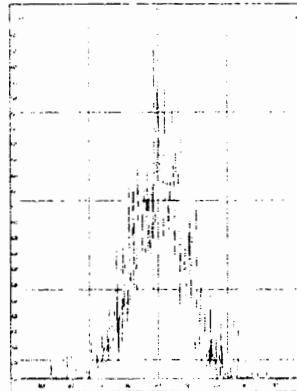
M 354.9792 R 9901



M 366.9792 R 22988



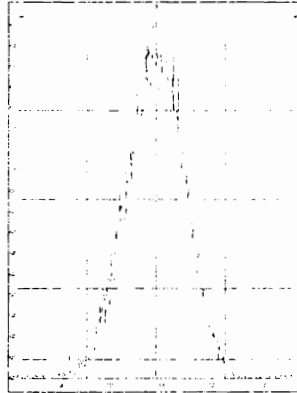
M 380.9760 R 13331



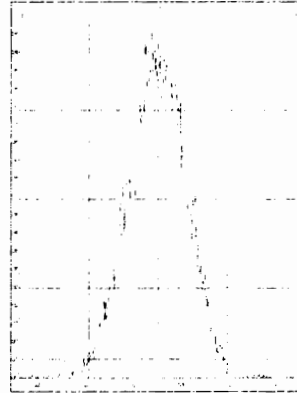
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Monday, April 12, 2021 13:30:42 Pacific Daylight Time

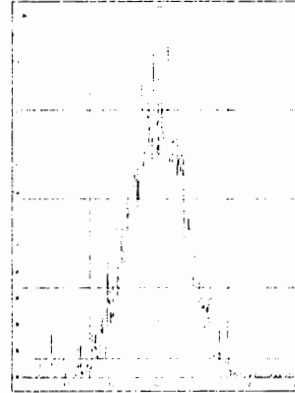
M 218.9856 R 8474



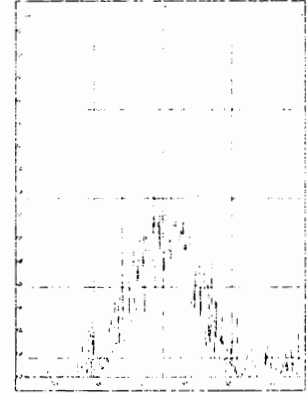
M 230.9856 R 8264



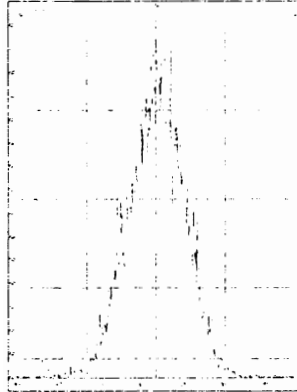
M 242.9856 R 9007



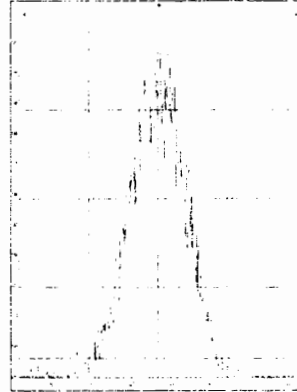
M 254.9856 R 9661



M 268.9824 R 9090



M 280.9824 R 9087



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_9.qld

Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210412H1\_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1\_1 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	9.80e3	0.63	NO	40.83
2	2 Endrin Ketone	8.65e3	0.67	NO	43.99
3	3 Endrin	2.41e5	1.61	NO	38.68
4	4 4,4'-DDE	6.82e3	1.23	NO	36.77
5	5 4,4'-DDD	4.24e4	1.43	NO	39.15
6	6 4,4'-DDT	3.96e6	1.58	NO	40.22

$$\frac{\epsilon_A + \epsilon_K}{\epsilon} \times 100\% = 7.65\%$$

PF 04/13/21  
HW 04/13/21

$$\frac{DD\epsilon + DDD}{DDT} \times 100\% = 1.24\%$$

Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_9.qld

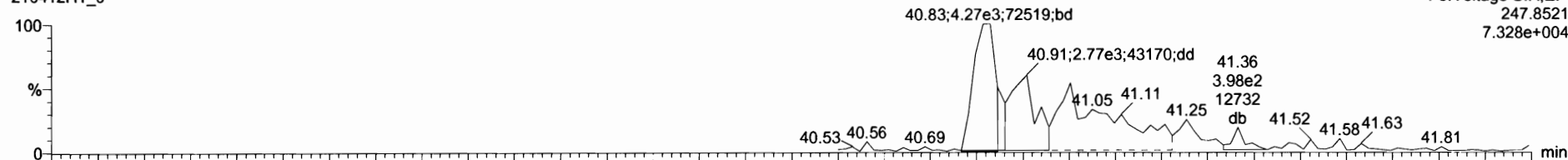
Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

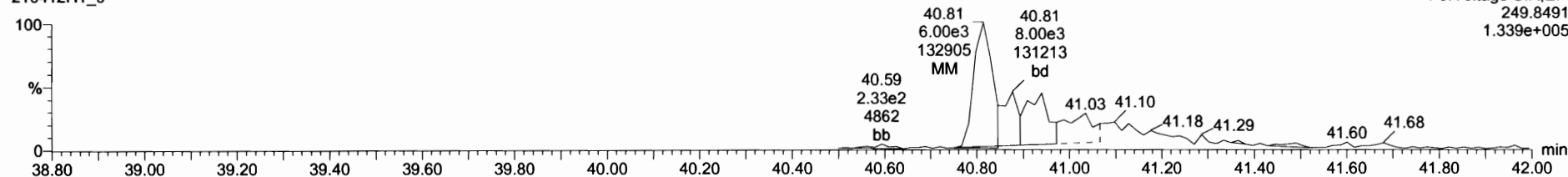
Name: 210412H1\_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1\_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde

210412H1\_9

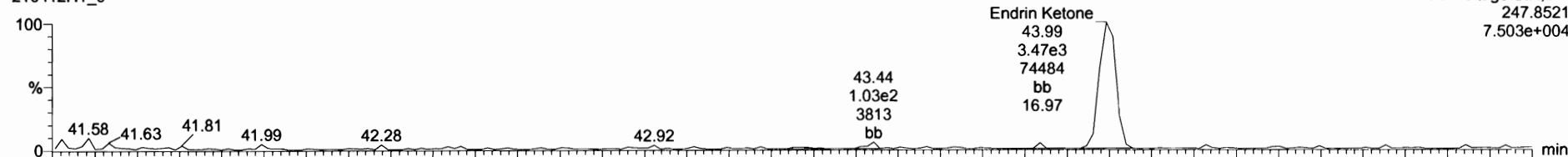


210412H1\_9

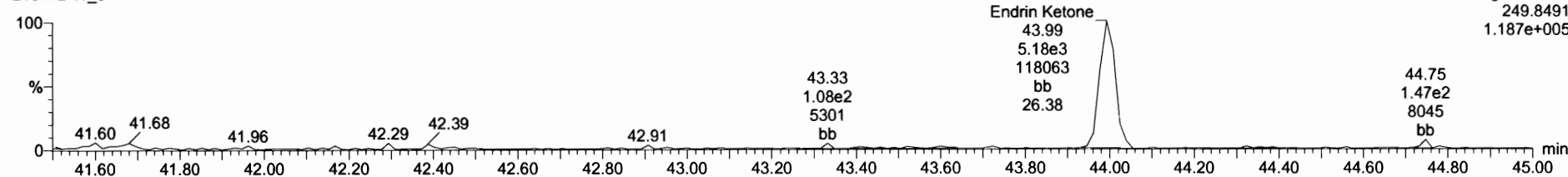


Endrin Ketone

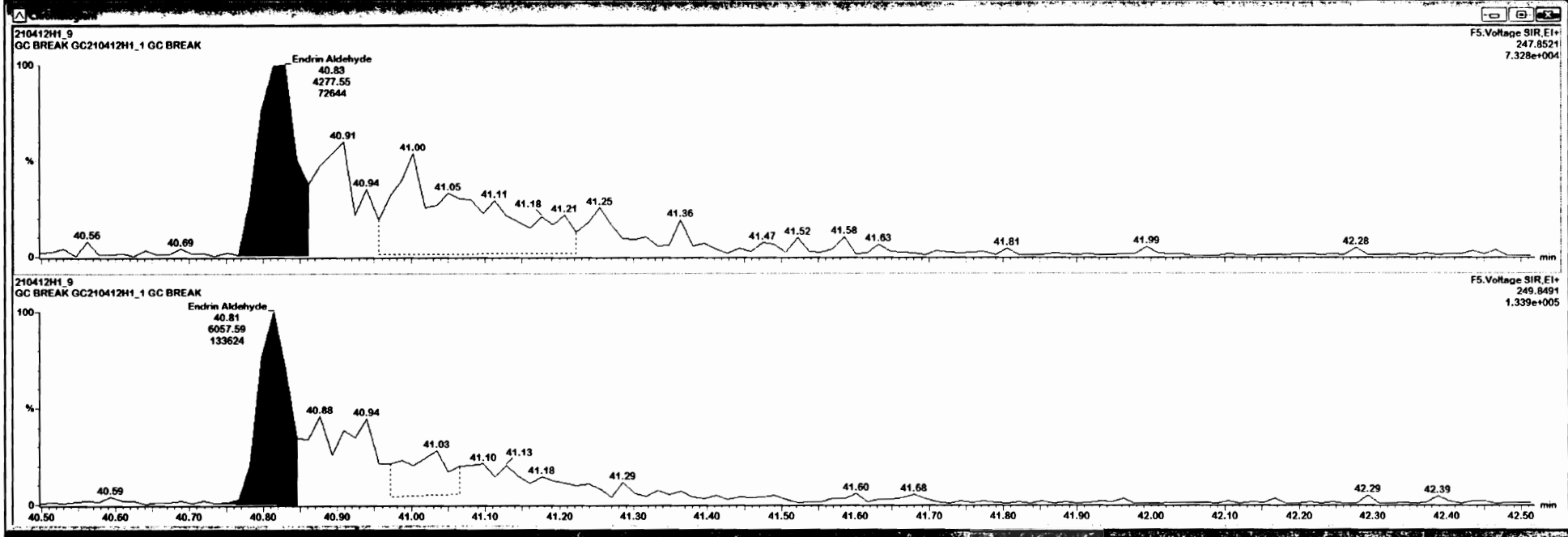
210412H1\_9



210412H1\_9



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 Endrin Aldehyde	7.85e3	0.67	NO		1.000	40.83	0.250				
2 Endrin Ketone	8.65e3	0.67	NO		1.000	43.99	0.000				
3 Endrin	2.41e5	1.61	NO		1.000	38.68	0.000				
4 4,4'-DDE	6.94e3	1.27	NO		1.000	36.77	0.000				
5 4,4'-DDD	4.23e4	1.42	NO		1.000	39.15	0.000				
6 4,4'-DDT	3.96e6	1.58	NO		1.000	40.22	0.000				
7 PFK4					1.000						
8 PFK5					1.000						



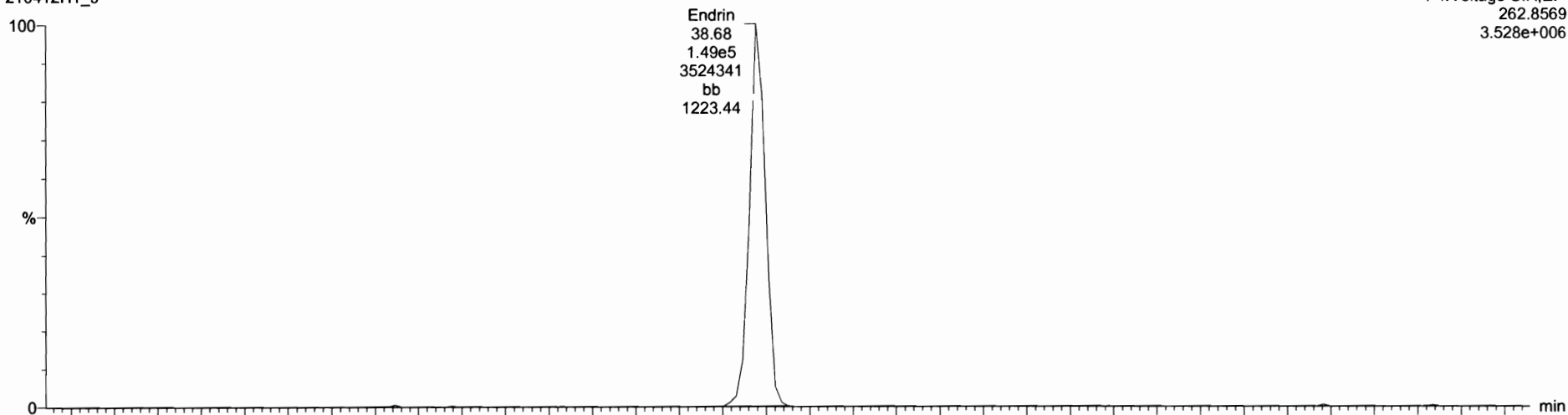
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Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

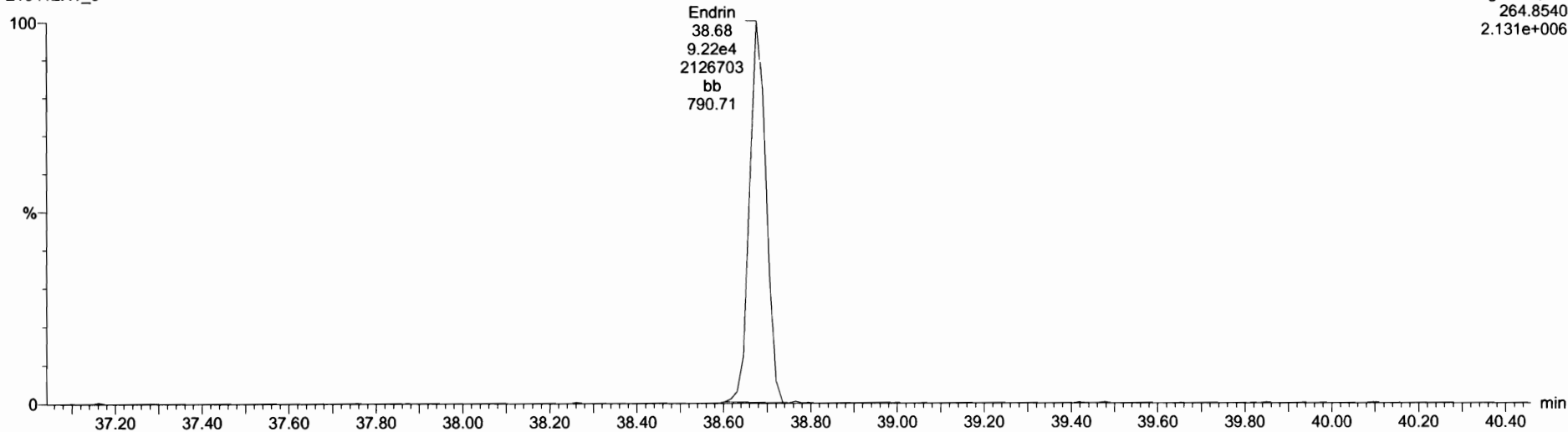
Name: 210412H1\_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1\_1 GC BREAK, Description: GC BREAK

Endrin

210412H1\_9



210412H1\_9





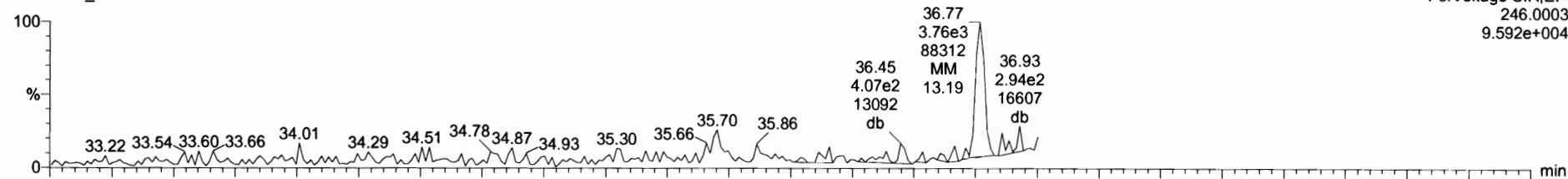
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_9.qld

Last Altered: Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

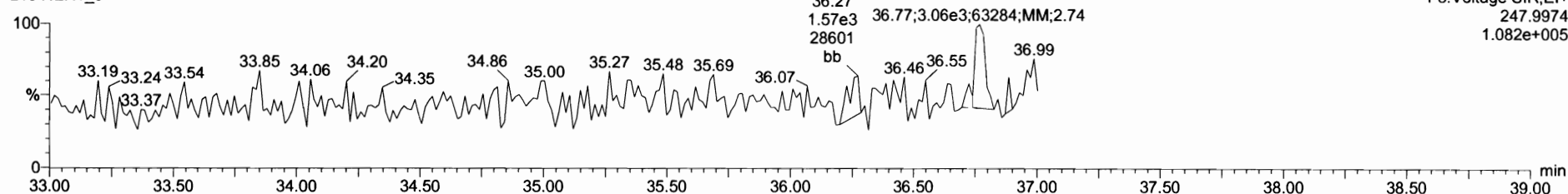
Name: 210412H1\_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1\_1 GC BREAK, Description: GC BREAK

4,4'-DDE

210412H1\_9

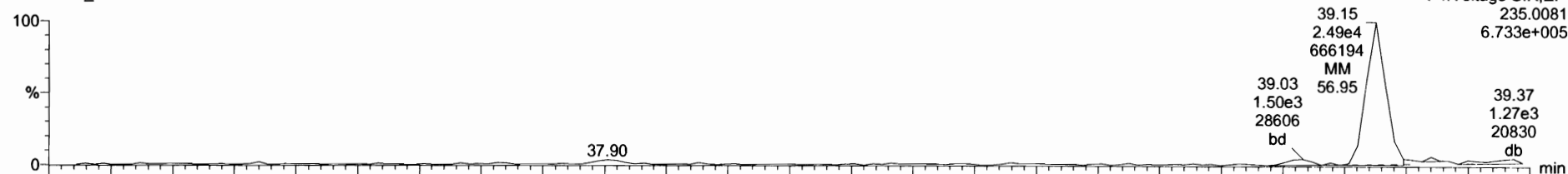


210412H1\_9

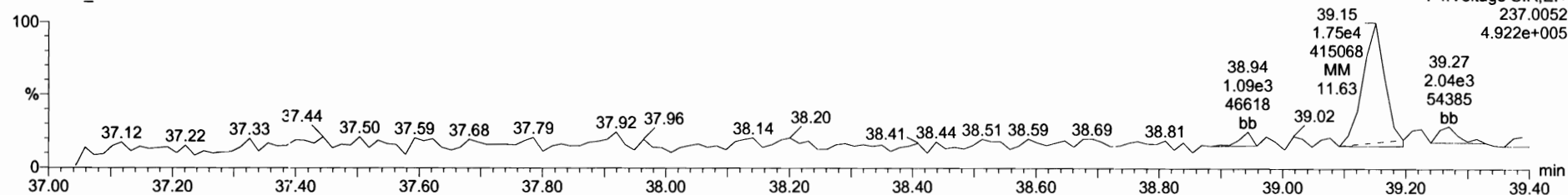


4,4'-DDD

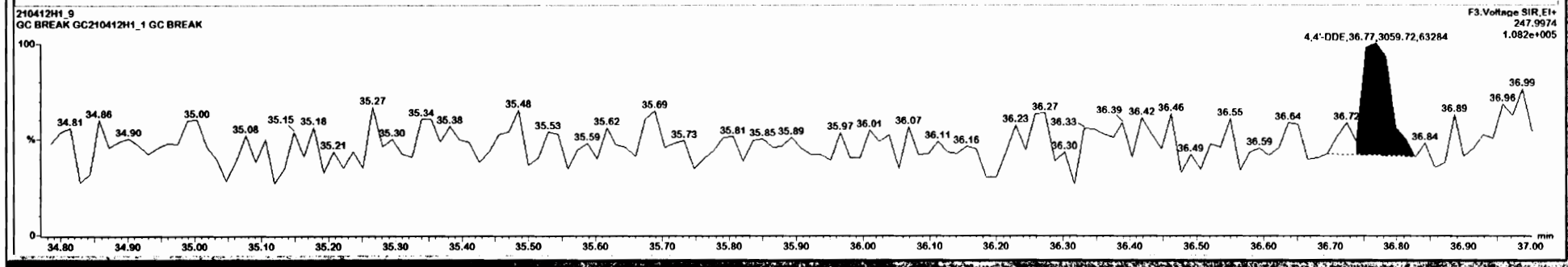
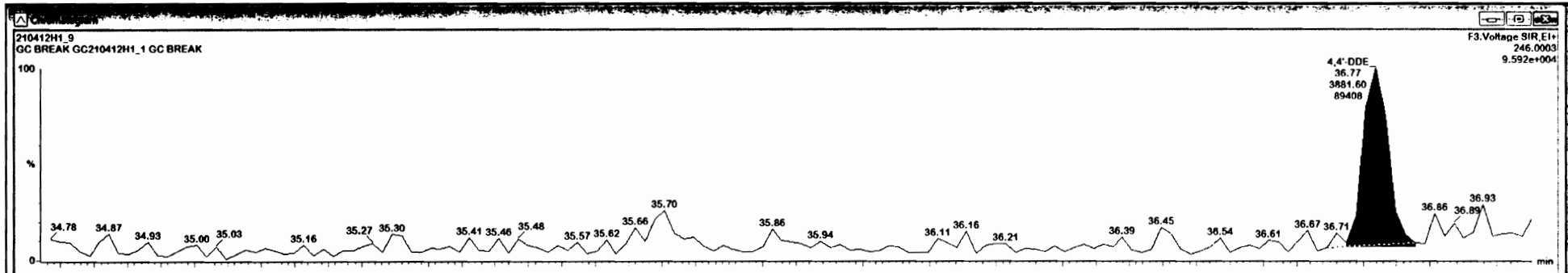
210412H1\_9



210412H1\_9



Name	Resp	RA	n/y	RRP	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 Endrin Aldehyde	1.03e4	0.71	NO		1.000	40.83	0.000				
2 Endrin Ketone	8.65e3	0.67	NO		1.000	43.99	0.000				
3 Endrin	2.41e5	1.61	NO		1.000	38.68	0.000				
4 4,4'-DDE	8.94e8	1.27	NO		1.000	36.77	0.000				
5 4,4'-DDD	4.23e4	1.42	NO		1.000	39.15	0.000				
6 4,4'-DDT	3.96e6	1.58	NO		1.000	40.22	0.000				
7 PFK4					1.000						
8 PFK5					1.000						



Dataset:        U:\vg10.PRO\Results\210412H1\210412H1\_9.qld

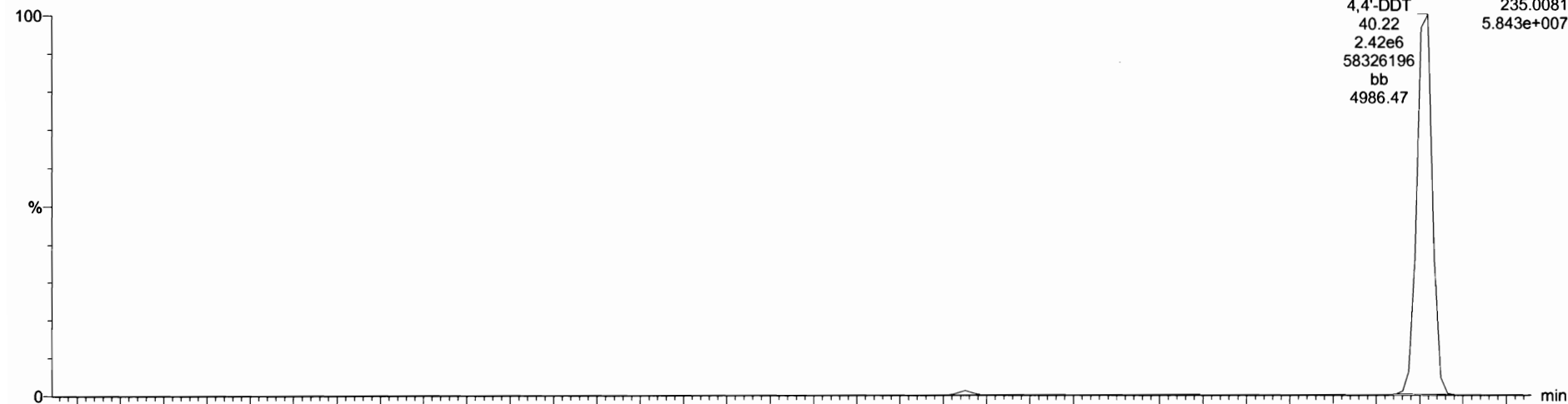
Last Altered:    Tuesday, April 13, 2021 14:46:40 Pacific Daylight Time

Printed:        Tuesday, April 13, 2021 14:47:05 Pacific Daylight Time

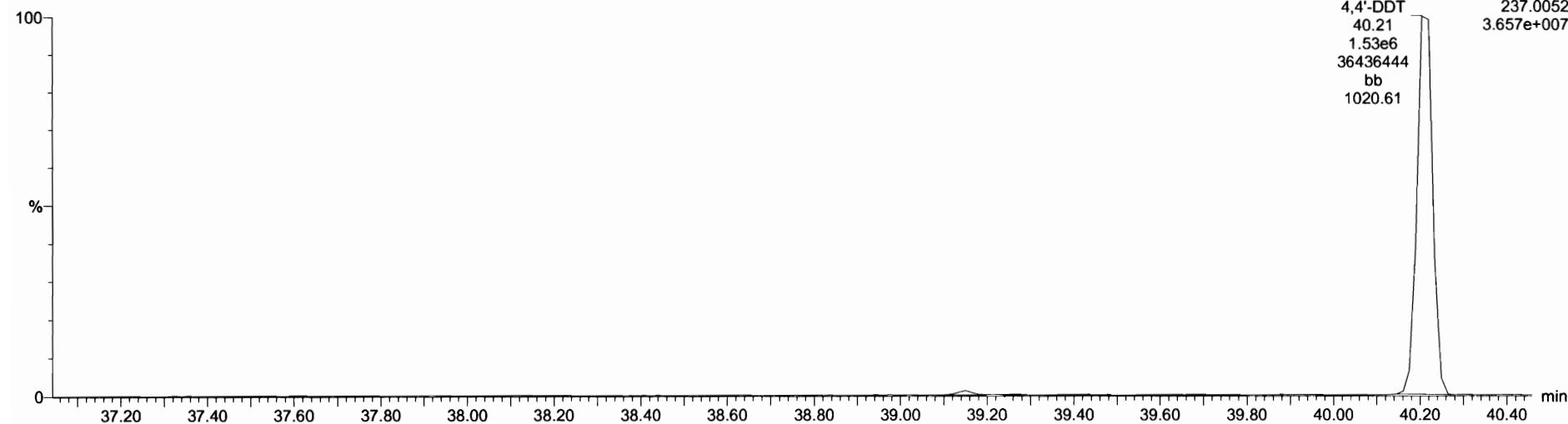
Name: 210412H1\_9, Date: 12-Apr-2021, Time: 21:27:50, ID: GC210412H1\_1 GC BREAK, Description: GC BREAK

**4,4'-DDT**

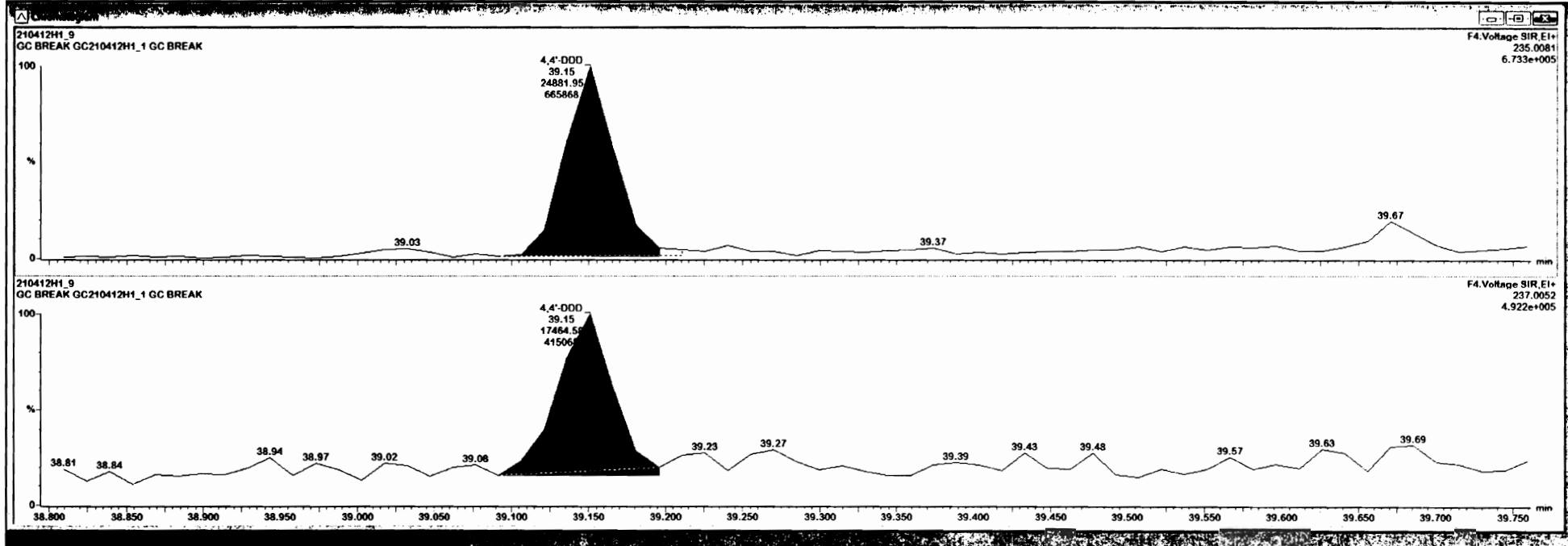
210412H1\_9



210412H1\_9



Name	Resp	RA	ivj	RRF	intVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 Endrin Aldehyde	1.03e4	0.71	NO		1.000	40.83	0.000				
2 Endrin Ketone	8.65e3	0.67	NO		1.000	43.99	0.000				
3 Endrin	2.41e5	1.61	NO		1.000	38.68	0.000				
4 4,4'-DDE	6.94e3	1.27	NO		1.000	36.77	0.000				
5 4,4'-DDD	4.92e4	1.42	NO		1.000	39.15	0.000				
6 4,4'-DDT	3.96e6	1.58	NO		1.000	40.22	0.000				
7 PFK4					1.000						
8 PFK5					1.000						



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

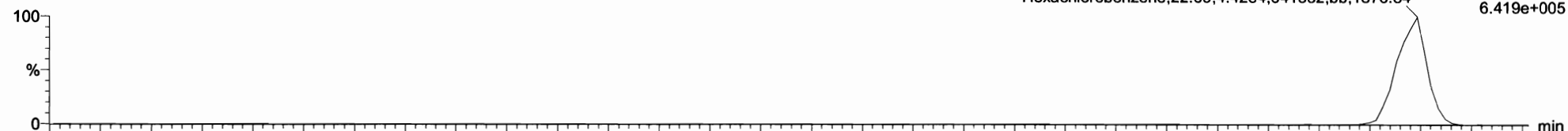
Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: 13 Apr 2021 09:35:52

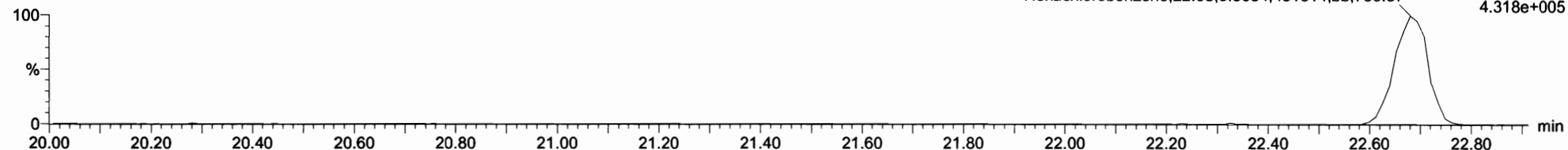
Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**Hexachlorobenzene**

210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

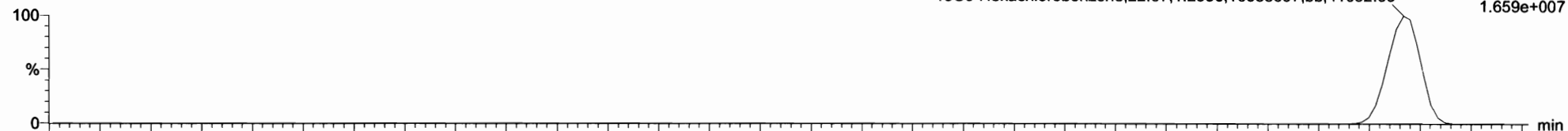


210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

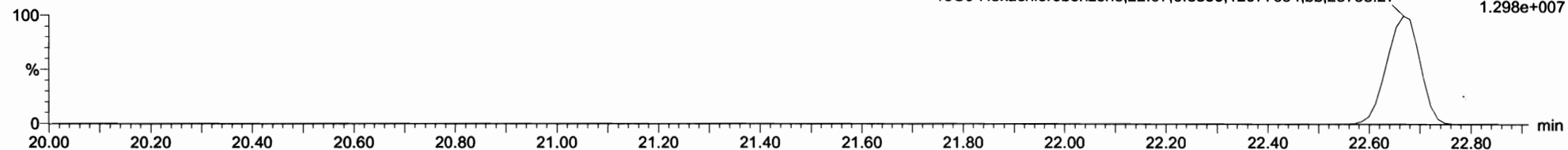


**13C6-Hexachlorobenzene**

210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901



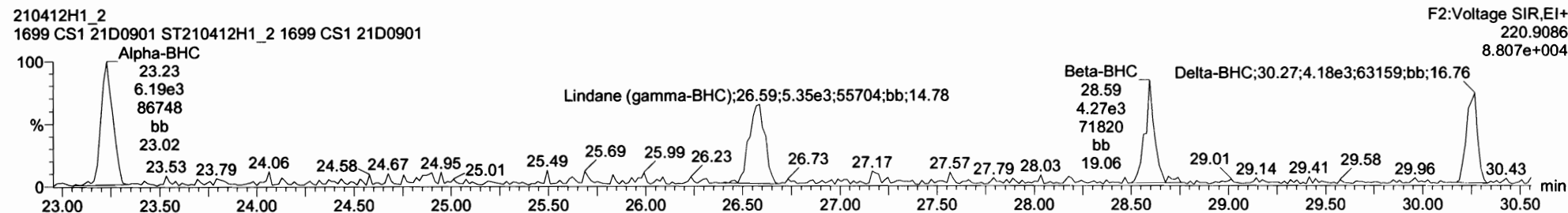
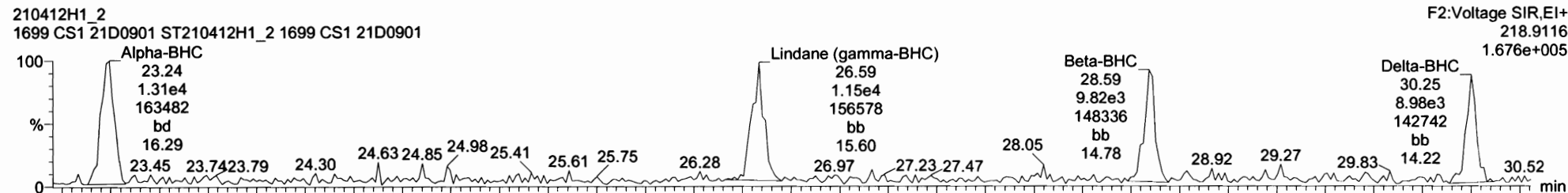
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

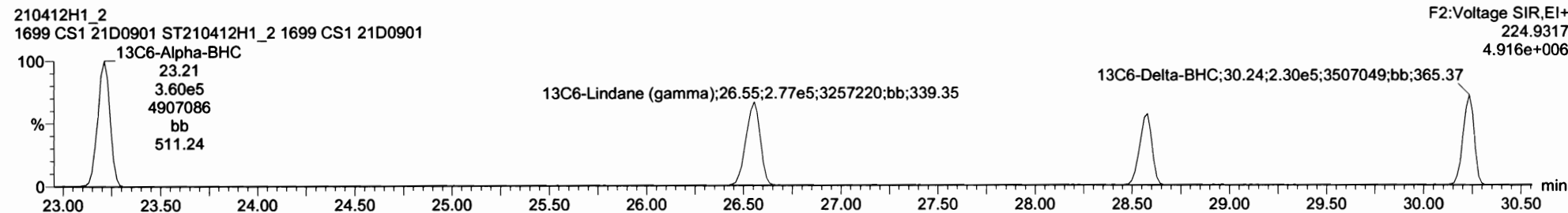
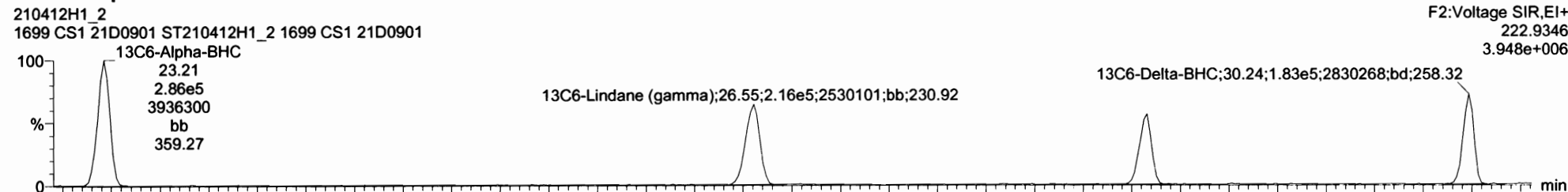
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

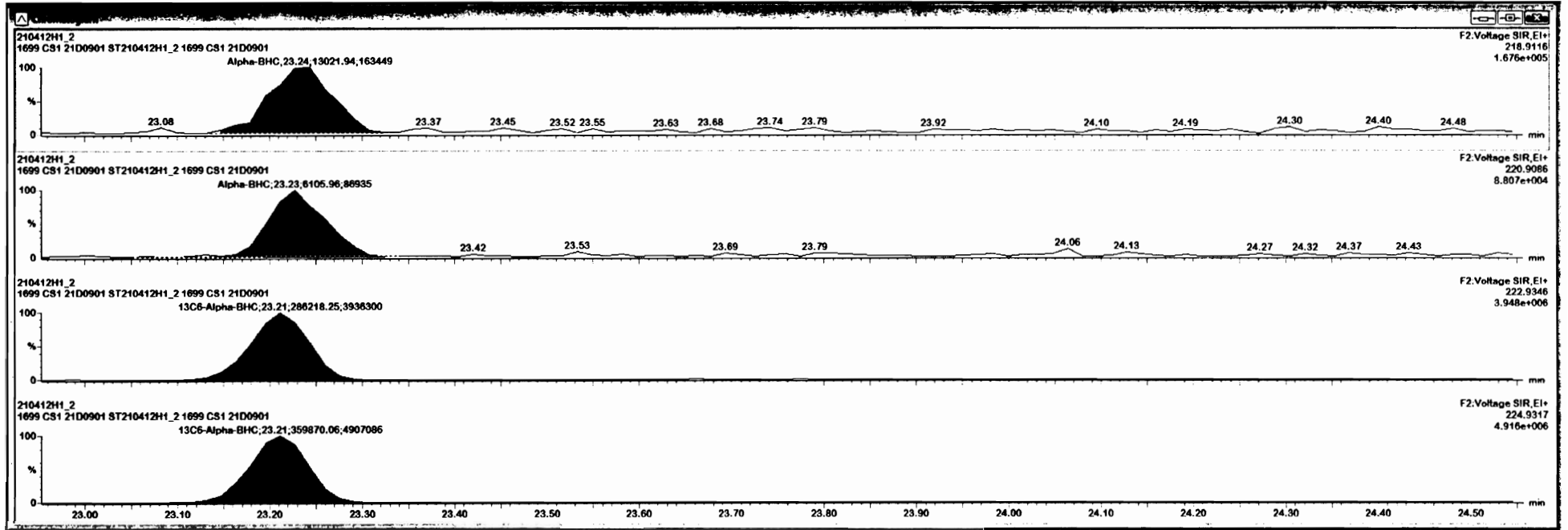
**BHC Totals**



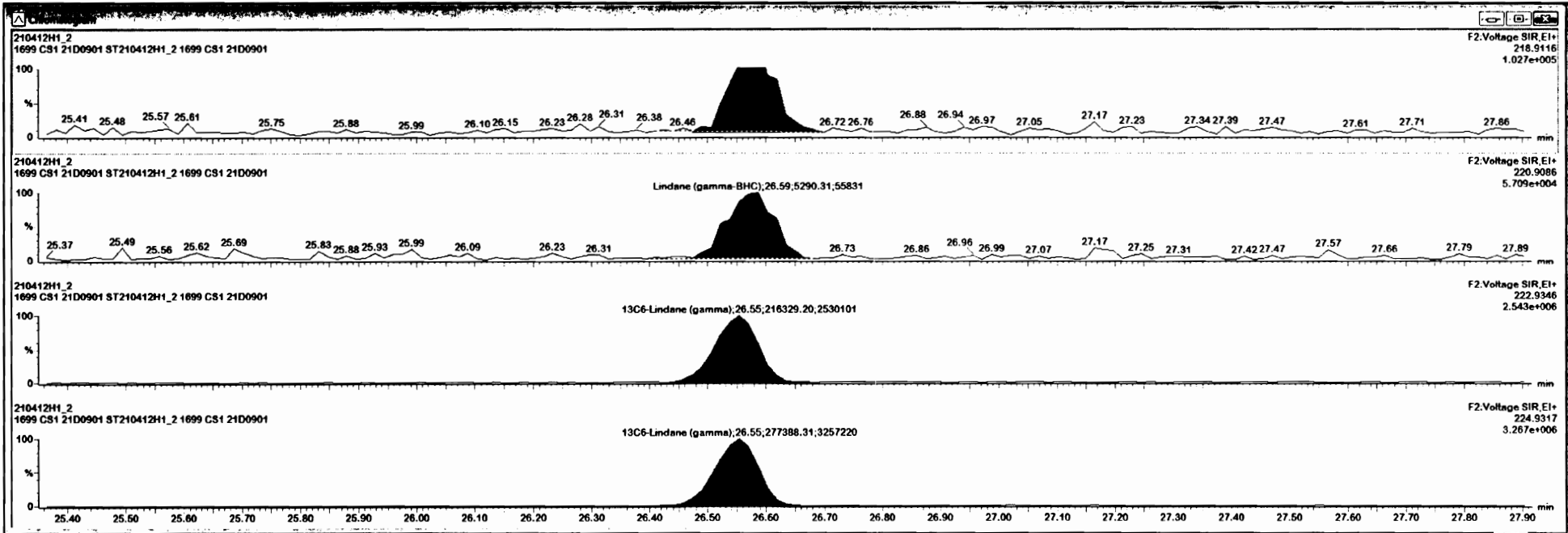
**BHC-isotopes**



#	Name	RT	RA	y/n	Area	IS Area	Std. Conc.	%Dev	%RSD	RRF M.	RRF SD
1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	Gamma-BHC	23.24	1.941	NO	1.8021e4	1.6021e6	2.000	-14.9	8.00	0.827	0.0443
4	Lindane (gamma-BHC)	28.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.64	1.10	0.0555
8	4,4'-DDMU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	Oxychlorane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109

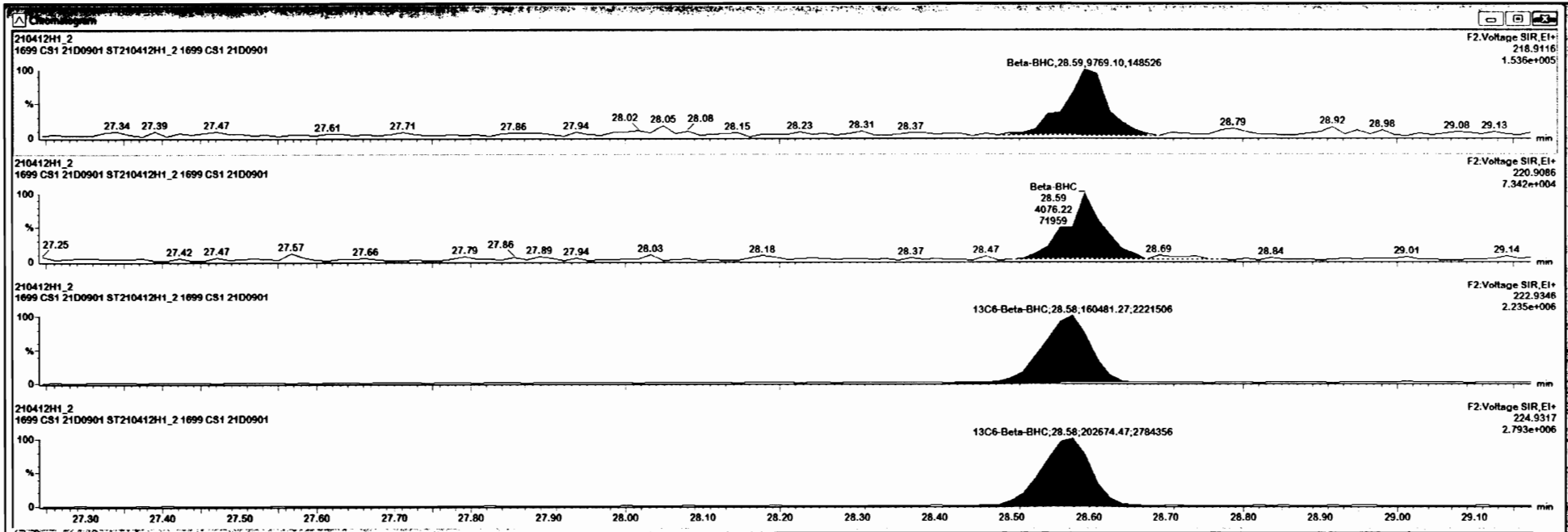


#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e5	10.000	376.1	188	0.102	0.192
2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	Lindane (gamma-BHC)	26.59	2.171	NO	1.8773e4	4.3672e5	2.000	-1.2	3.24	0.860	0.0193
5	Beta-BHC	26.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0680
10	Oxychlorane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3899e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109

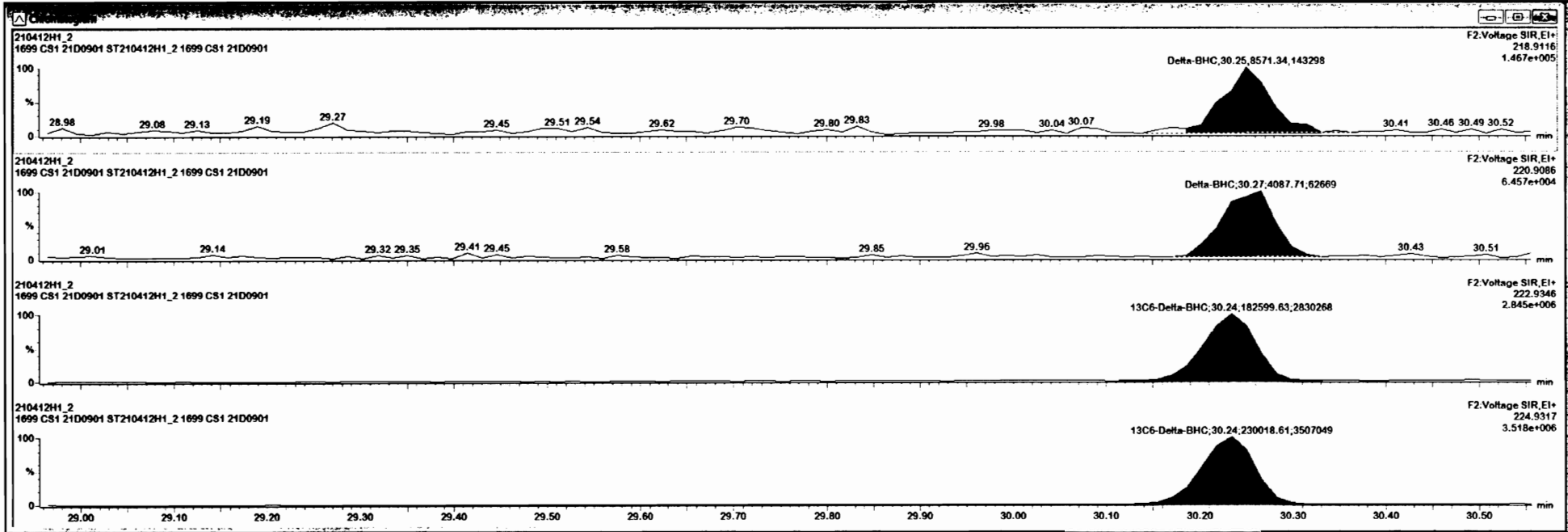




#	Name	RT	RA	yth	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e5	10.000	376.1	188	0.102	0.192
2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	Alpha-BHC	23.24	2.133	NO	1.9129e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	Beta-BHC	28.59	2.307	NO	1.2659e4	3.8391e5	2.000	-1.5	2.77	0.608	0.0276
6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	Heptachlor	28.74	1.119	NO	1.4962e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	4,4'-DDMU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	Oxychlorane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3689e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109



#	Name	RT	RA	Y/N	Area	S Area	Std. Conc.	%Dev	MRSD	RRF M.	RRF SD
1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e5	10.000	376.1	188	0.102	0.192
2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	Alpha-BHC	23.24	2.133	NO	1.9128e4	8.4809e5	2.000	-10.5	5.80	0.827	0.0463
4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	Delta-BHC	30.25	2.571	NO	1.2859e4	4.1432e5	2.000	-5.3	3.08	0.907	0.0726
7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	4,4'-DDMU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	Oxychlorane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0109



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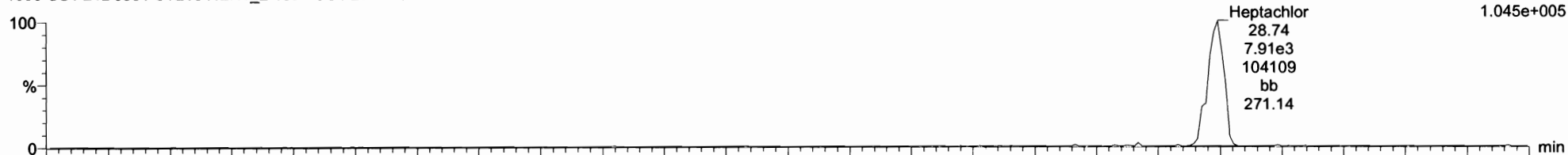
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Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**Heptachlor**

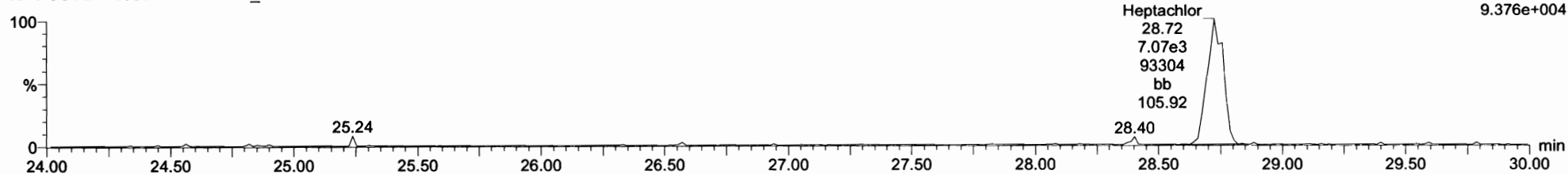
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F2:Voltage SIR,EI+  
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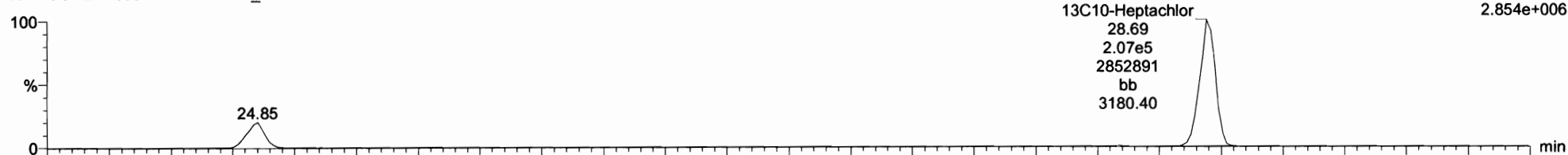
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**13C10-Heptachlor**

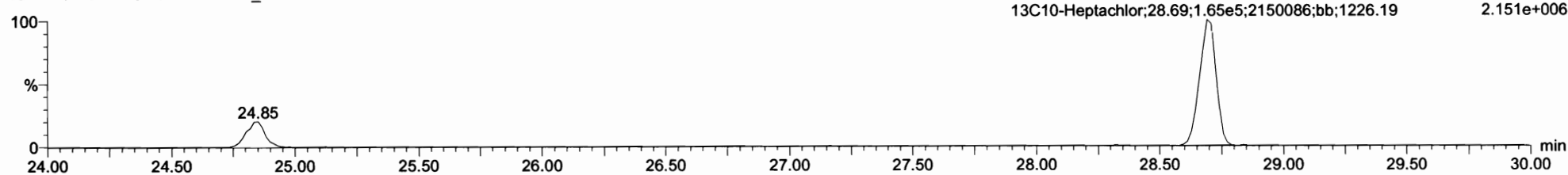
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F2:Voltage SIR,EI+  
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2.854e+006



210412H1\_2  
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F2:Voltage SIR,EI+  
278.8240  
2.151e+006



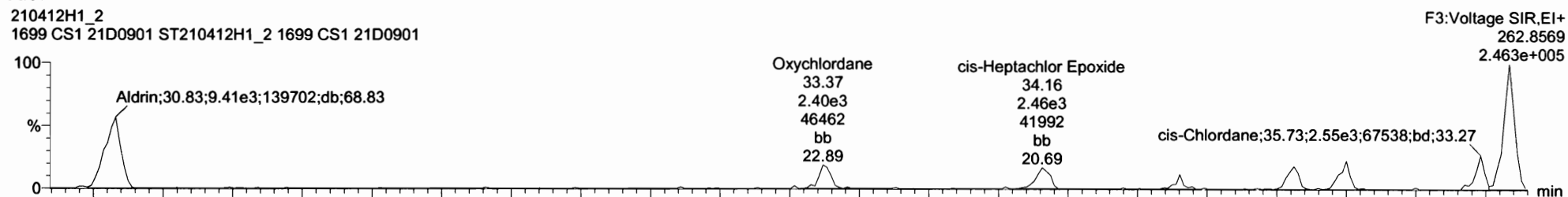
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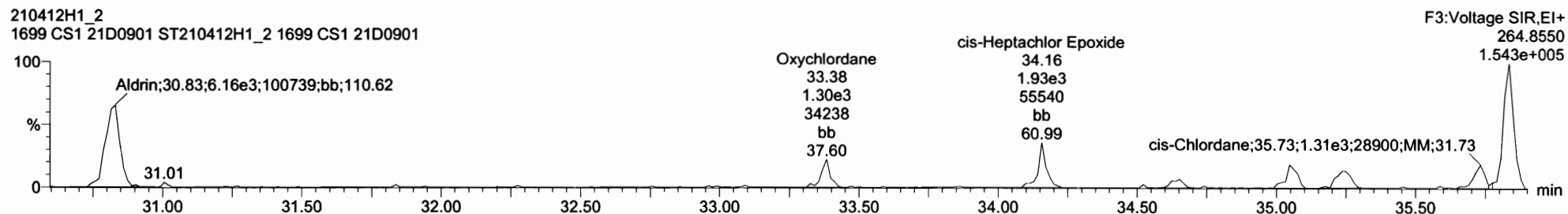
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**Aldrin-EI**

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1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

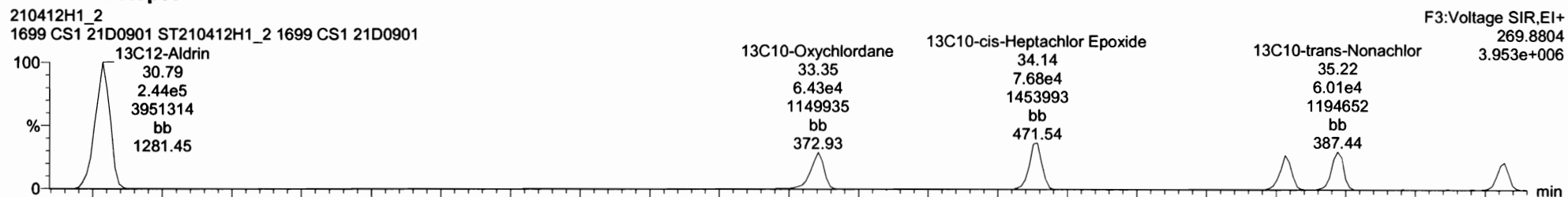


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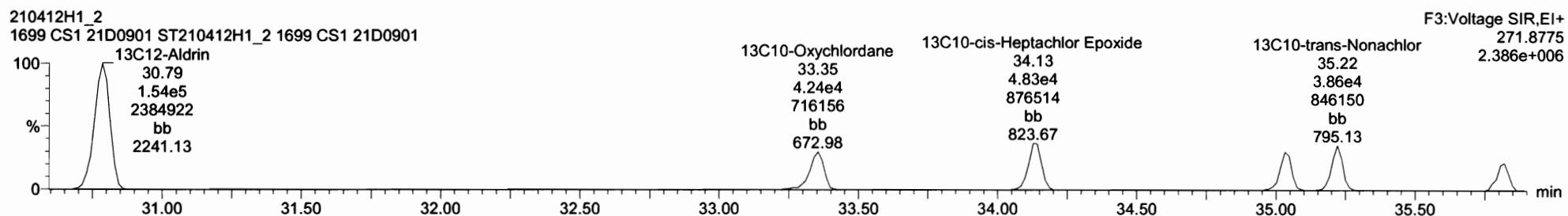


**Aldrin-EI-isotopes**

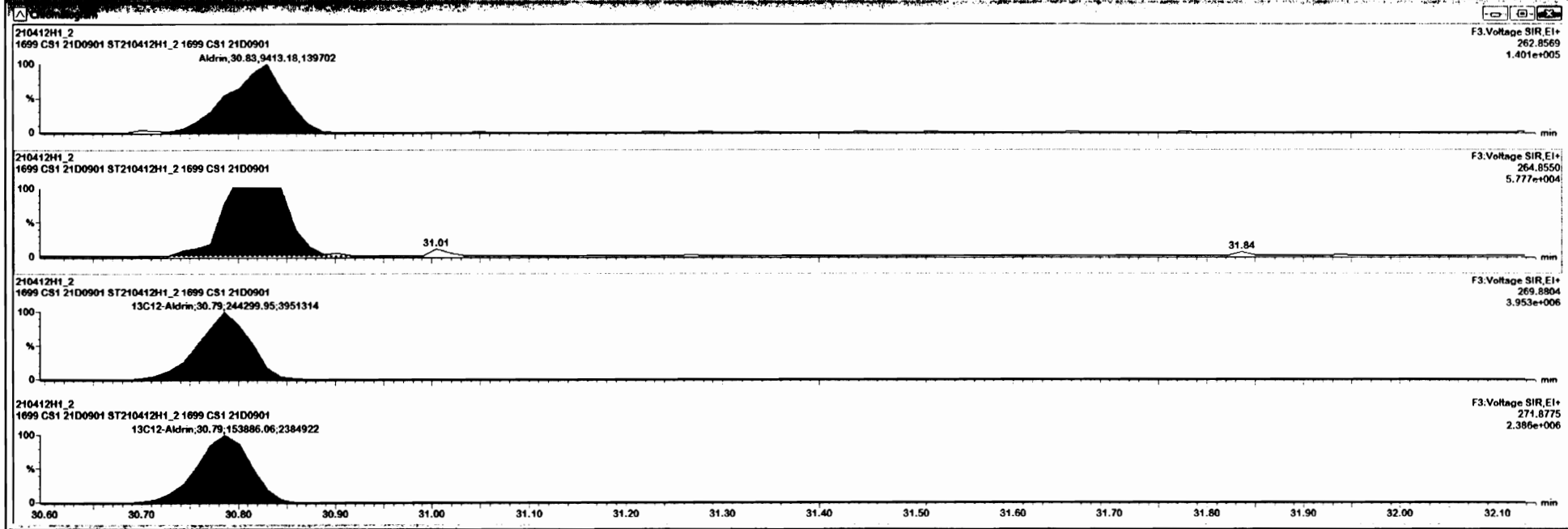
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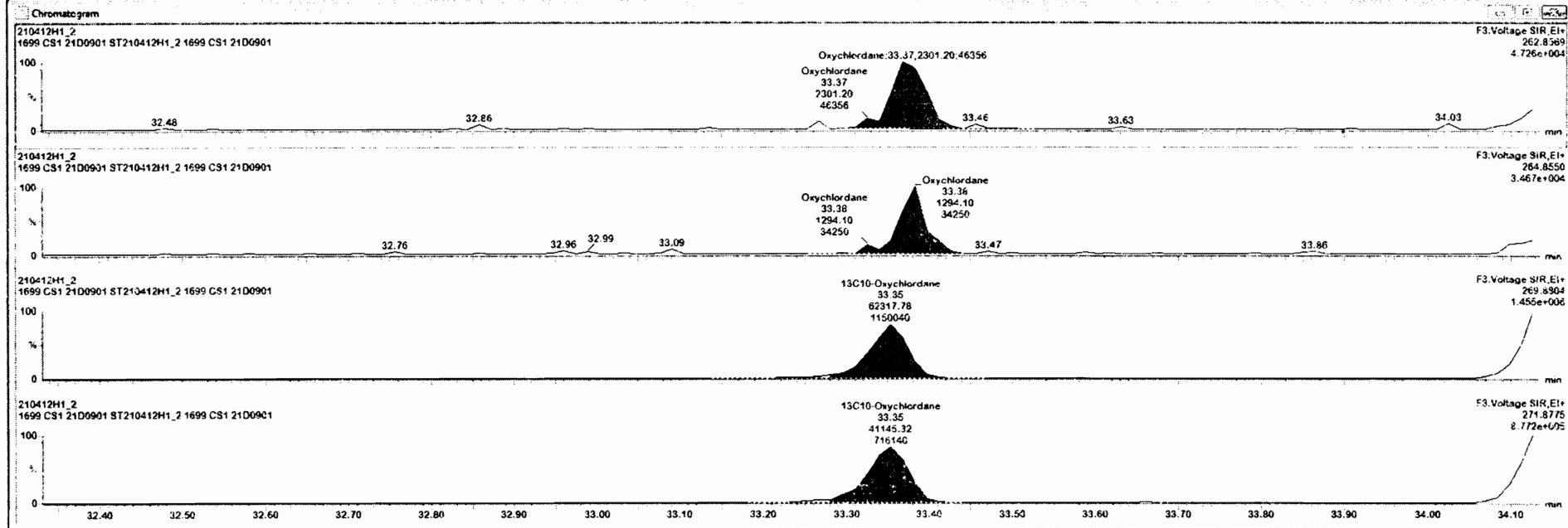
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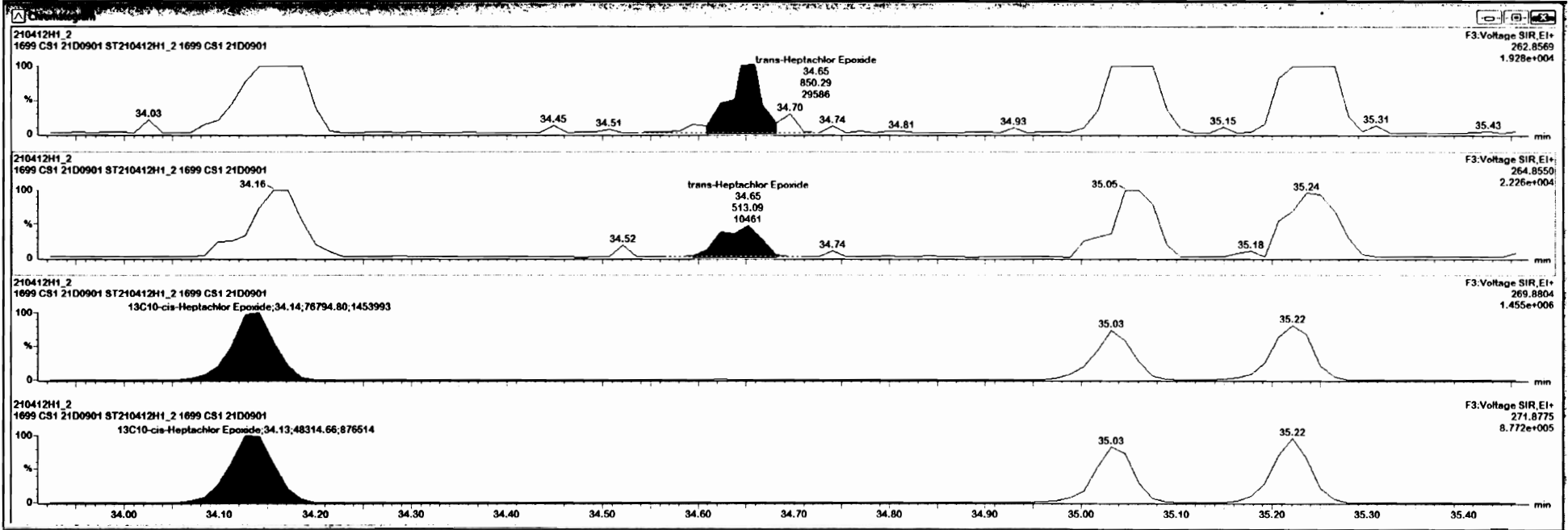
#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF	RRF SD
1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.880	0.0193
5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	Heptachlor	28.74	1.119	NO	1.4962e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	Aldrin	30.83	9.413	NO	1.1397e5	1.1397e5	2.000	-18.7	1.30	1.00	0.0600
10	Oxychlorane	33.37	1.797	NO	3.6178e3	1.0678e5	2.000	-19.9	10.1	1.06	0.107
11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	trans-Heptachlor Epoxide	34.65	1.657	NO	1.3634e3	1.2511e5	2.000	-6.3	3.76	0.291	0.0105



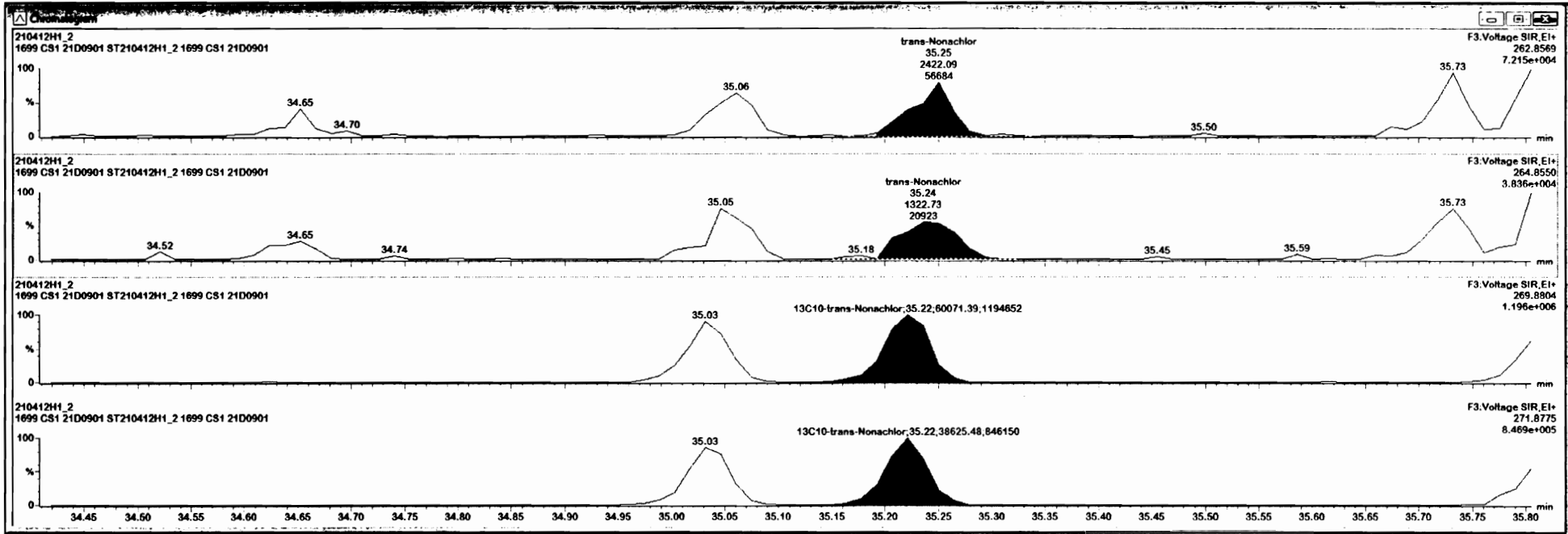
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9	nitro	32.23	1.542	NO	1.5526e4	3.5811e4	2.000	-10.7	8.30	1.09	5.0738
10	Oxychlorane	33.37	1.776	NO	3.5953e3	1.0346e5	2.000	-18.2	9.32	1.06	0.0989
11	2,6-Dimethylchloroepoxide	32.16	1.275	NO	4.3285e1	1.2511e1	2.000	-18.5	9.37	1.06	0.1011
12	trans-1,2-dichloroepoxide	34.25	1.657	NO	1.3734e3	1.2511e5	2.000	-8.3	3.76	0.251	0.0106
13	trans-1,2-dichloroepoxide	35.05	1.529	NO	1.5452e3	5.6201e4	2.000	-9.5	6.45	1.14	0.0737
14	trans-1,2-dichloroepoxide	35.25	1.819	NO	3.7445e3	9.8897e4	2.000	-10.4	5.77	1.05	0.0547
15	1,3-Dichlorane	35.72	1.924	NO	1.8053e3	9.8697e4	2.000	-10.5	7.83	1.16	0.0524
16	Endosulfan sulfate	37.82	1.639	NO	1.5247e4	6.7051e4	10.000	-7.9	11.0	1.21	0.1155
17	1,4-DCMU	35.47	3.051	NO	4.9175e4	2.3236e5	20.000	-87.1			
18	1,4-DCM	35.70	1.721	NO	6.2122e4	2.3236e5	2.000	-3.3	3.16	1.01	0.0336
19	1,4-DCM	35.77	1.001	NO	6.2912e4	1.8538e5	2.000	-6.4	5.35	1.04	0.0556
20	Delvon	37.23	1.600	NO	6.5269e3	2.4541e5	2.000	-19.8	8.47	1.03	0.0872



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Div	%RSD	RRF M	RRF SD
1	Hexachlorobutadiene	9.97	0.071	YES	5.4609e4	5.6050e6	10.000	376.1	188	0.102	0.192
2	Hexachlorobenzene	22.69	1.339	NO	7.7153e4	2.2366e6	2.000	-12.3	6.54	0.984	0.0643
3	Alpha-BHC	23.24	2.133	NO	1.9128e4	6.4609e5	2.000	-10.5	5.60	0.827	0.0463
4	Lindane (gamma-BHC)	26.59	2.171	NO	1.6773e4	4.9372e5	2.000	-1.2	2.24	0.860	0.0193
5	Beta-BHC	28.59	2.397	NO	1.3845e4	3.6316e5	2.000	-4.5	2.77	0.998	0.0276
6	Delta-BHC	30.25	2.097	NO	1.2659e4	4.1262e5	2.000	-15.5	8.00	0.907	0.0726
7	Heptachlor	28.74	1.119	NO	1.4982e4	3.7232e5	2.000	-8.5	5.04	1.10	0.0555
8	4,4'-DDNU	30.17	3.407	NO	1.9527e4	4.1262e5	2.000	-5.4	4.36	1.25	0.0545
9	Aldrin	30.83	1.540	NO	1.5526e4	3.9819e5	2.000	-10.7	6.30	1.09	0.0688
10	Oxychlorane	33.37	1.797	NO	3.6178e3	1.0676e5	2.000	-19.9	10.1	1.06	0.107
11	cis-Heptachlor Epoxide	34.16	1.275	NO	4.3889e3	1.2511e5	2.000	-18.5	9.37	1.08	0.101
12	trans-Heptachlor Epoxide	34.65	1.387	NO	1.2834e4	1.2811e5	2.000	-4.3	3.78	0.291	0.0108

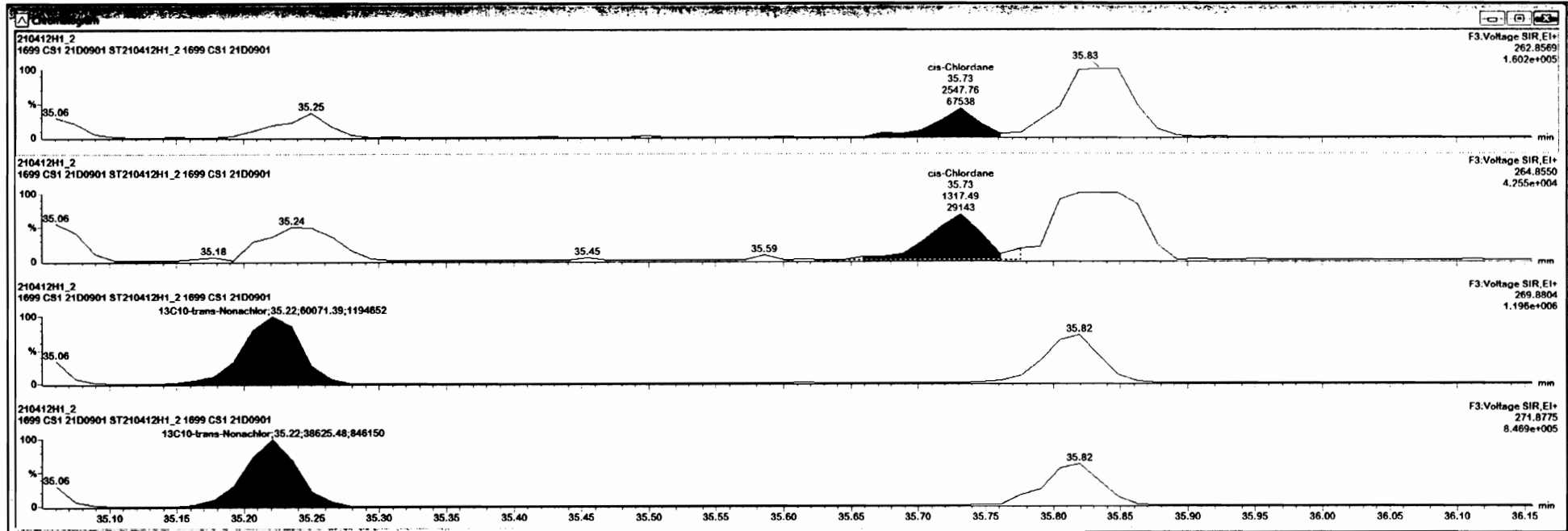


R	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
14	trans-Nonachlor	35.25	1.201	NO	2.7488e5	9.8897e4	2.000	-10.4	5.17	1.00	0.8547
15	cis-Chlordane	35.73	1.943	NO	3.8590e3	9.8697e4	2.000	-16.0	7.99	1.16	0.0930
16	Endosulfan I (alpha)	35.83	1.887	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Deidrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9886e5	2.000	-12.2	6.73	1.01	0.0678
22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544

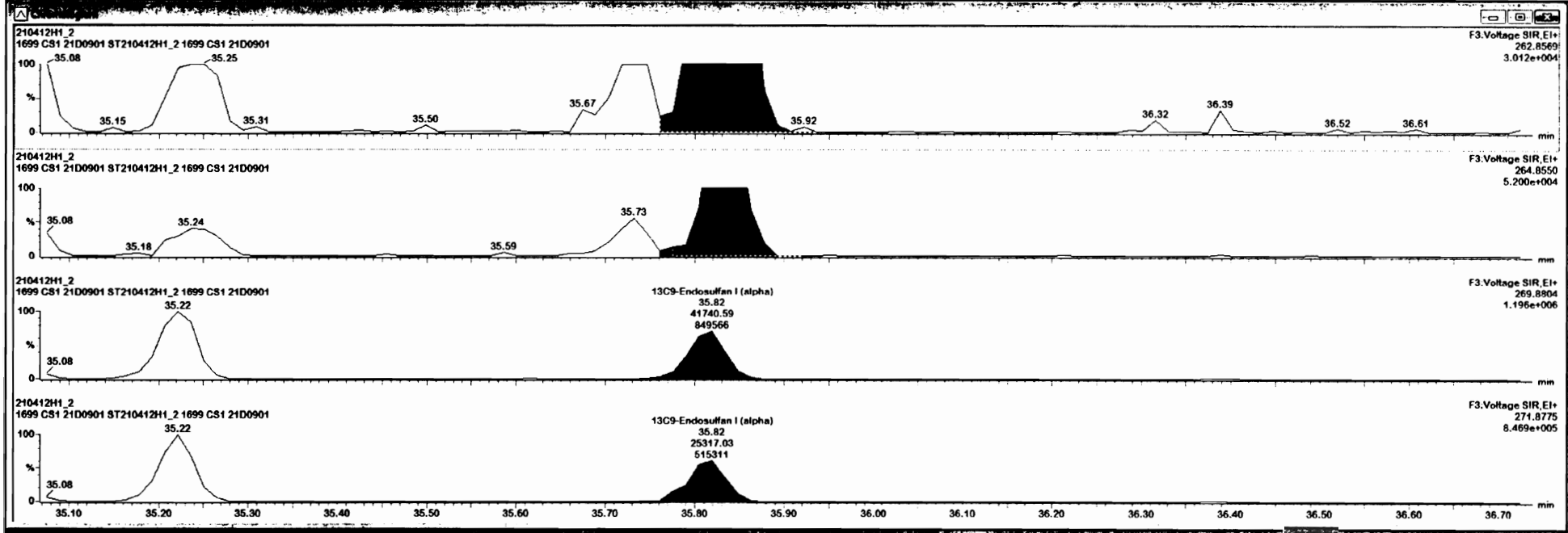




Rt	Name	RT	RA	yth	Area	S.Area	Std. Conc.	%Dev	%RSD	RRF M	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	cis-Chlordane	35.73	1.294	NO	1.1897e4	2.108	2.000	-11.8	7.83	1.18	0.0824
16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7056e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1	3.28	1.02	0.0336
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.04	0.0559
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9886e5	2.000	-12.2	6.73	1.01	0.0678
22	cis-Nonachlor	38.98	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan I (beta)	39.69	1.331	NO	9.9868e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



R	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	MSD	RRF M	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	ca-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endrin	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1	18.7	11.0	0.136
18	4,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Deidrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	ca-Nonachlor	38.98	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



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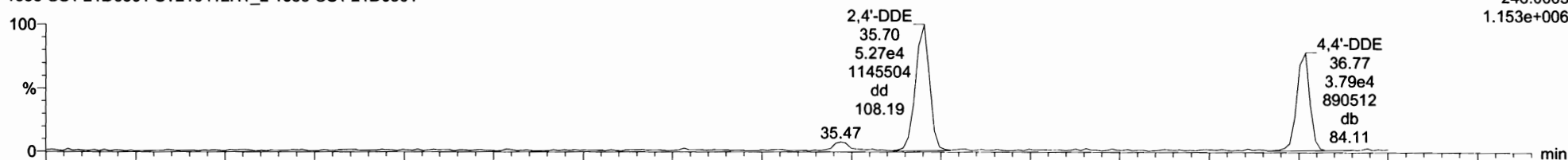
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Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**DDMU-DDE**

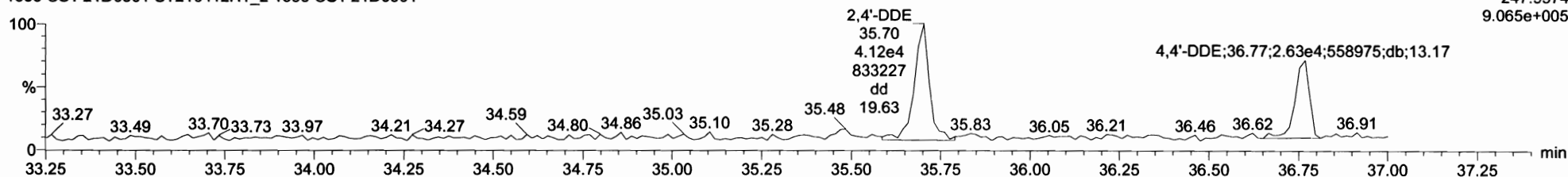
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F3:Voltage SIR,EI+  
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210412H1\_2  
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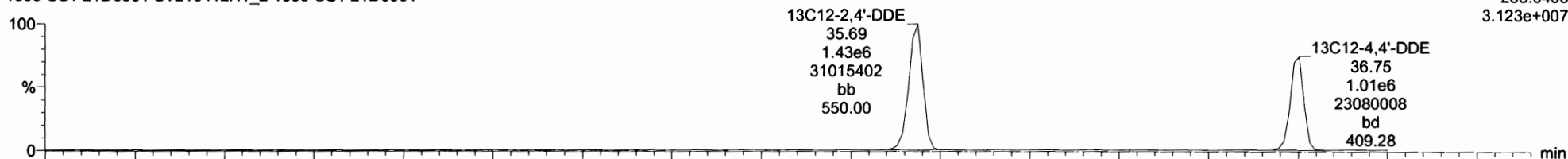
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**DDE-isotopes**

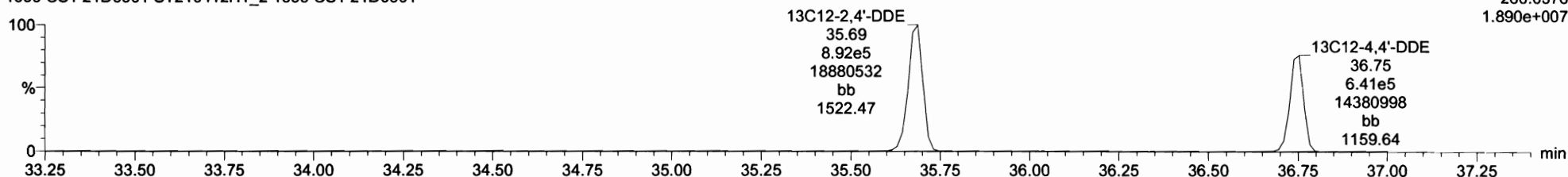
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1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F3:Voltage SIR,EI+  
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3.123e+007

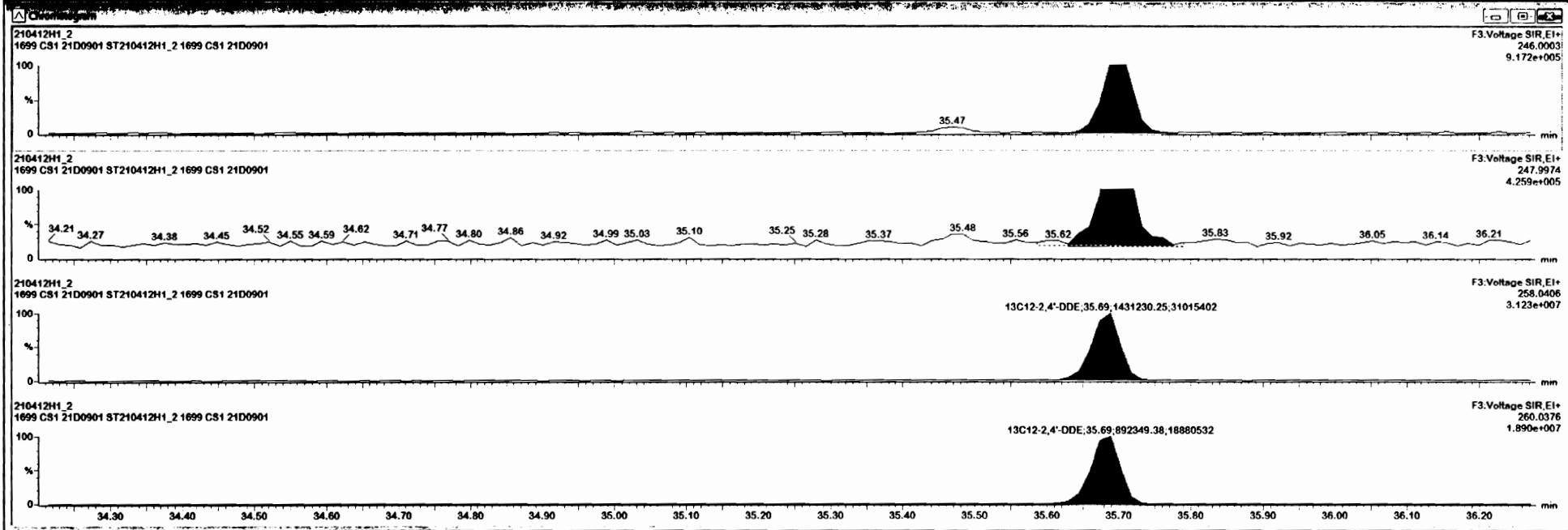


210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

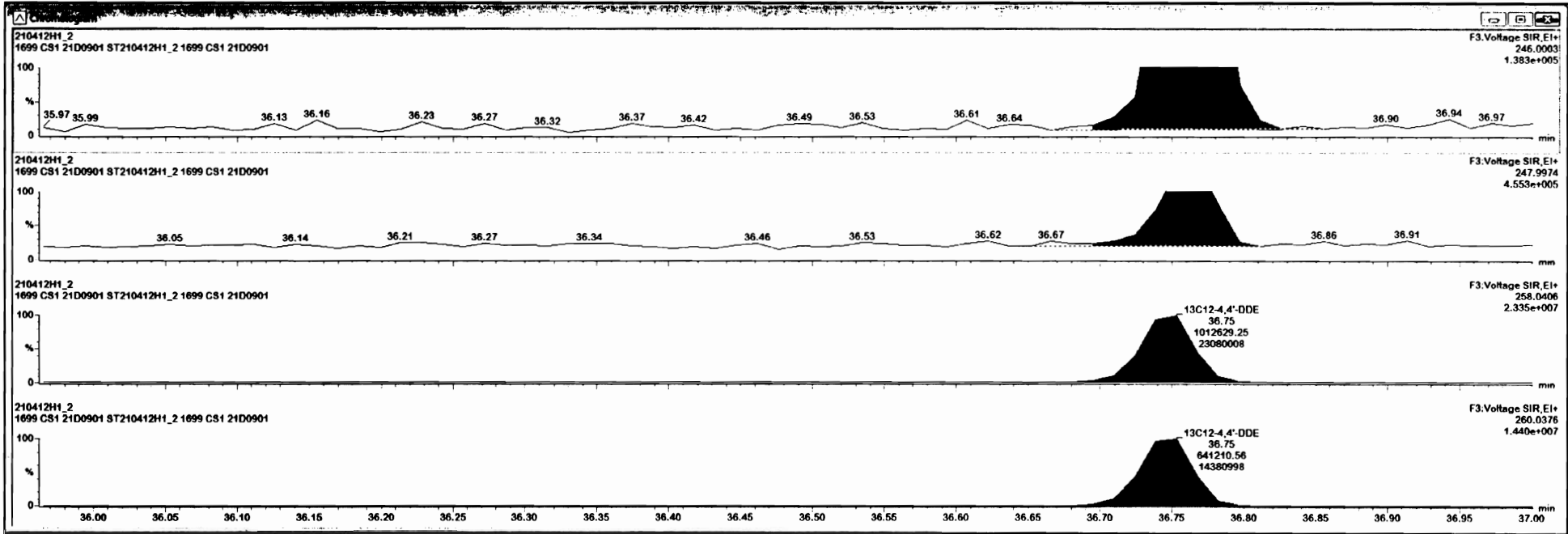
F3:Voltage SIR,EI+  
260.0376  
1.890e+007



F.	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	ca-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9178e4	2.3238e6	20.000	-87.1			
18	2,4'-DDE	35.69	1.250	NO	6.3128e3	2.2750e5	2.000	-3.3	3.28	1.82	0.0238
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Desdm	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9872e3	1.9896e5	2.000	-12.2	6.73	1.01	0.0678
22	ca-Nonachlor	38.98	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9688e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



R	Name	RT	RA	yfs	Area	S Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.05	0.0547
15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.887	NO	1.8245e4	8.7058e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.581	NO	1.8330e5	1.8330e5	2.000	3.3	5.38	1.04	0.0558
20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9886e5	2.000	-12.2	6.73	1.01	0.0678
22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



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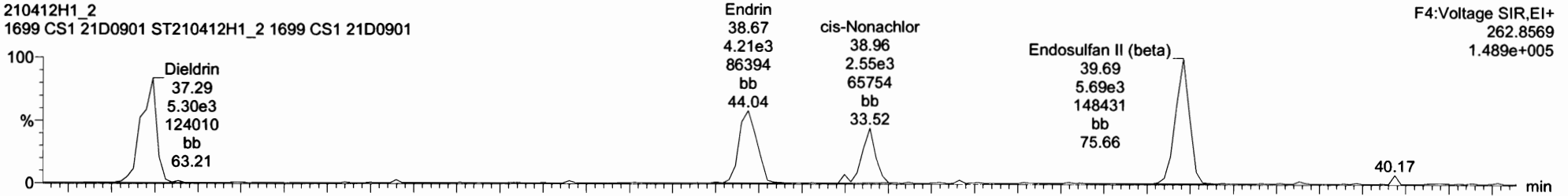
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Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**Dieldrin-EII**

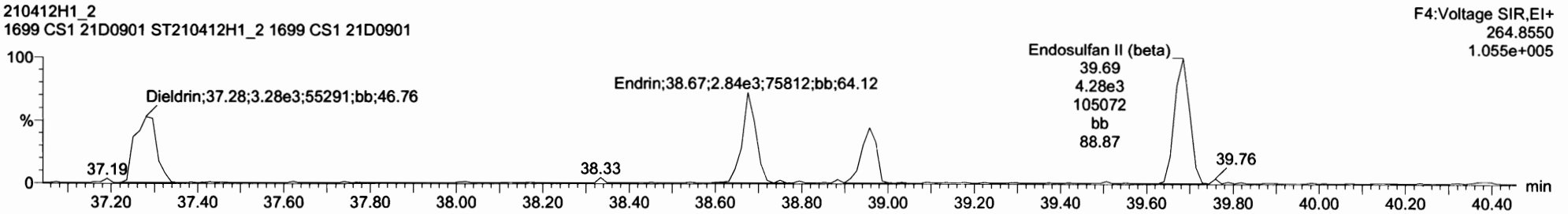
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1.489e+005



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

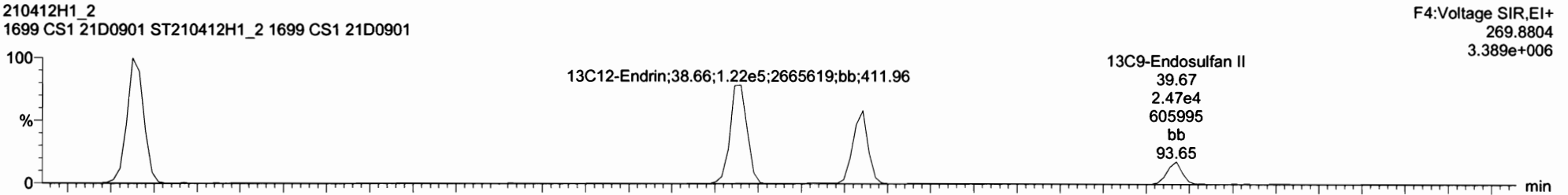
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**Dieldrin-EII-isotopes**

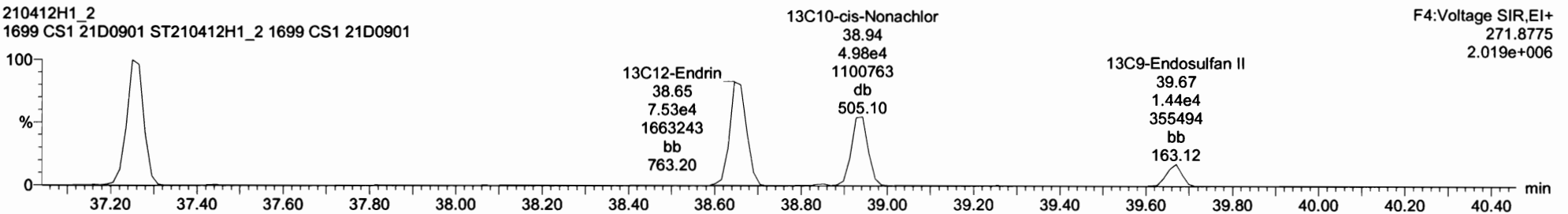
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3.389e+006

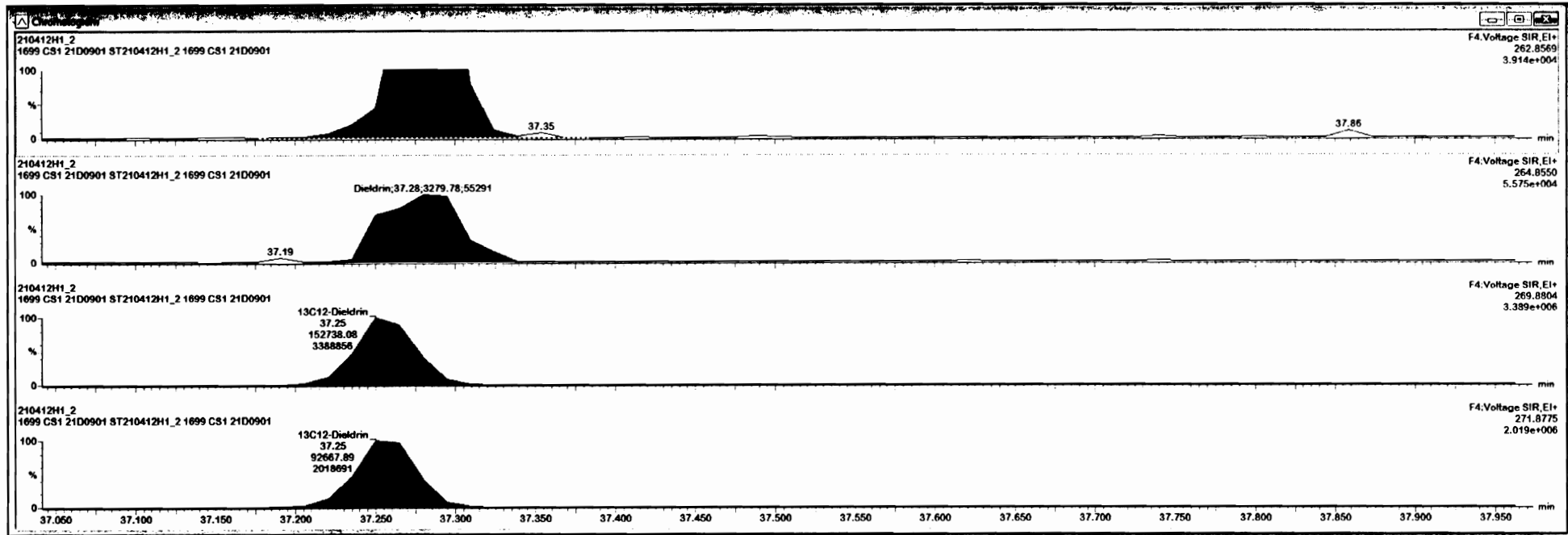


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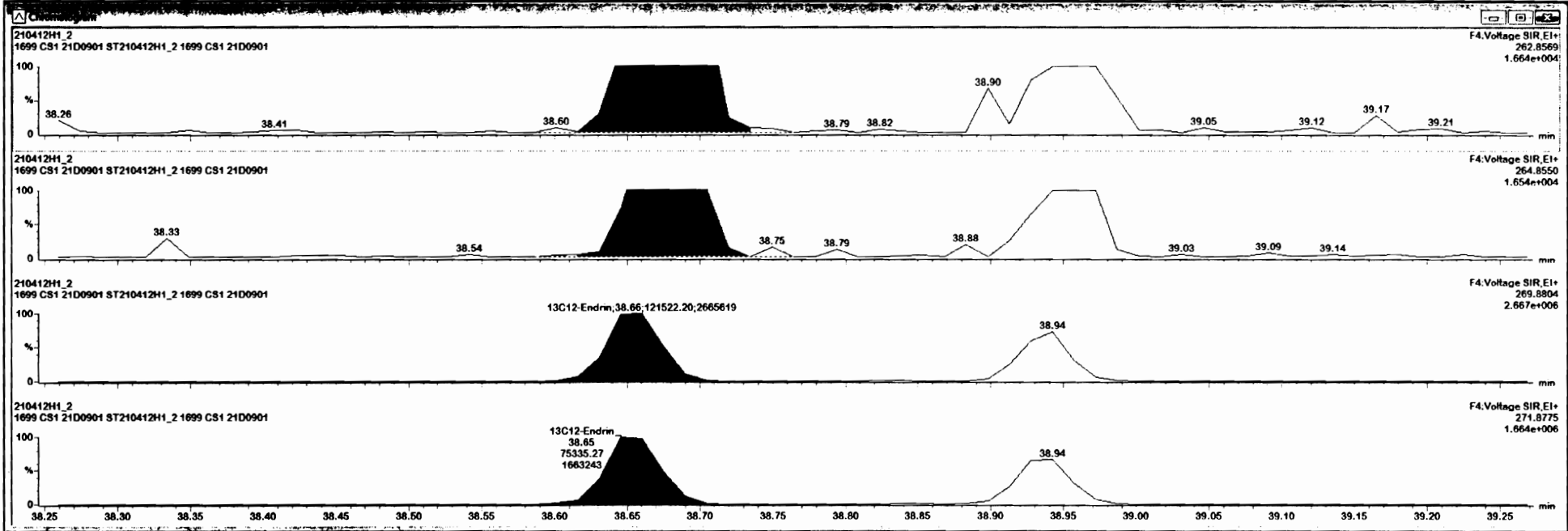
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14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	cs-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	<b>Dieldrin</b>	<b>37.35</b>	<b>1.780</b>	<b>NO</b>	<b>2.4841e4</b>	<b>2.800</b>	<b>2.000</b>	<b>-15.8</b>	<b>8.47</b>	<b>1.00</b>	<b>0.0672</b>
21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	cs-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.89	1.331	NO	9.9688e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.92	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544

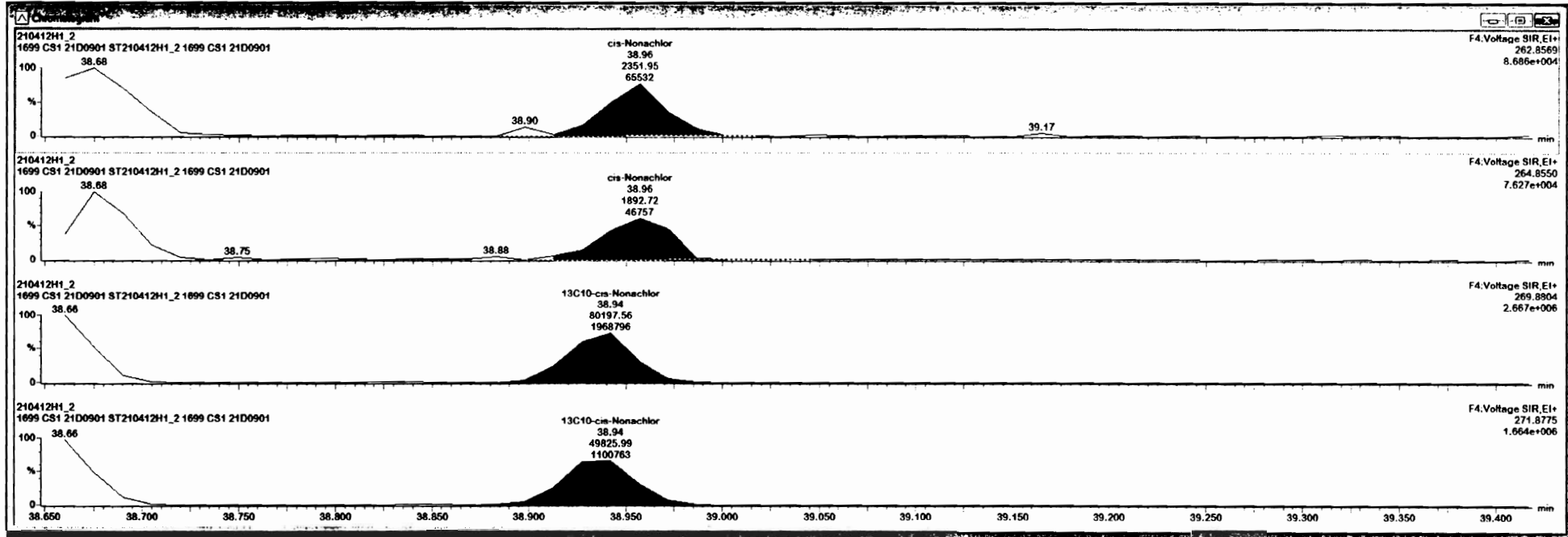


#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	ca-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9178e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	13C12-Endrin	38.65	1.201	NO	7.5335e27	1.6632e3	2.000	-22.3	8.72	1.01	0.0678
22	ca-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9868e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544





#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7056e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Deltram	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9886e5	2.000	-12.2	6.73	1.01	0.0678
22	cis-Nonachlor	38.96	1.263	NO	2.3519e5	1.3022e6	2.000	-18.4	8.43	1.00	0.0944
23	Endosulfan I (beta)	39.69	1.331	NO	9.9688e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544



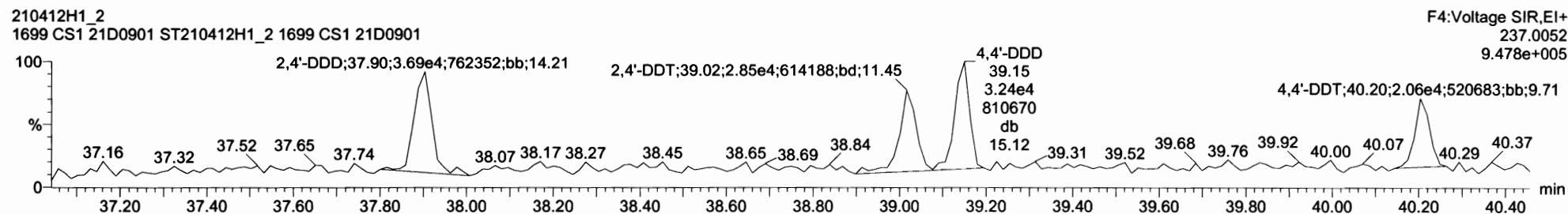
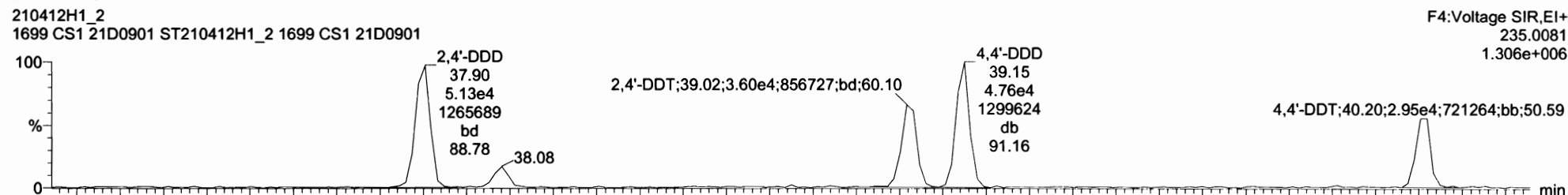
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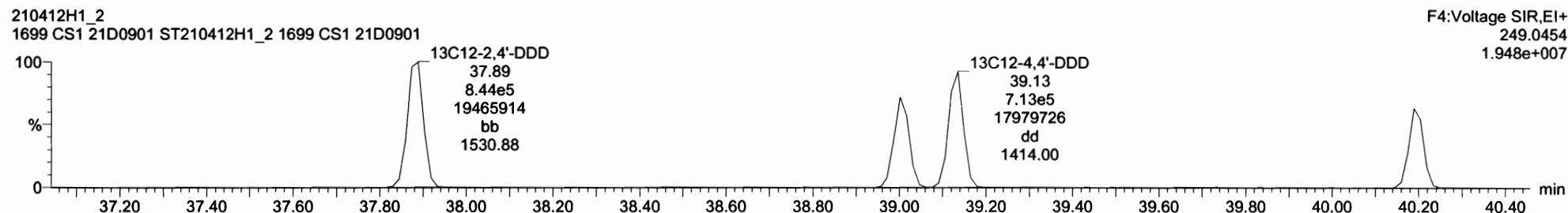
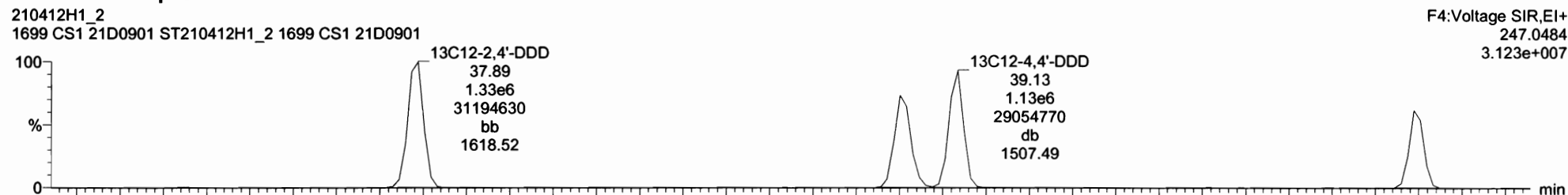
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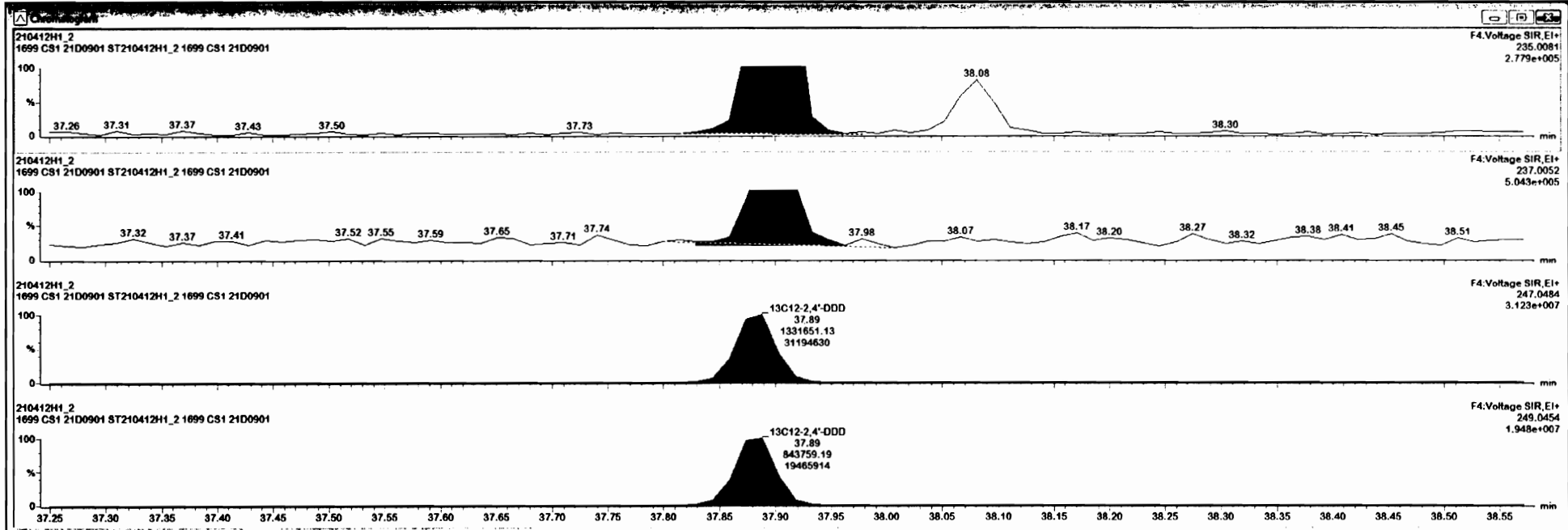
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DDD-DDT-isotopes

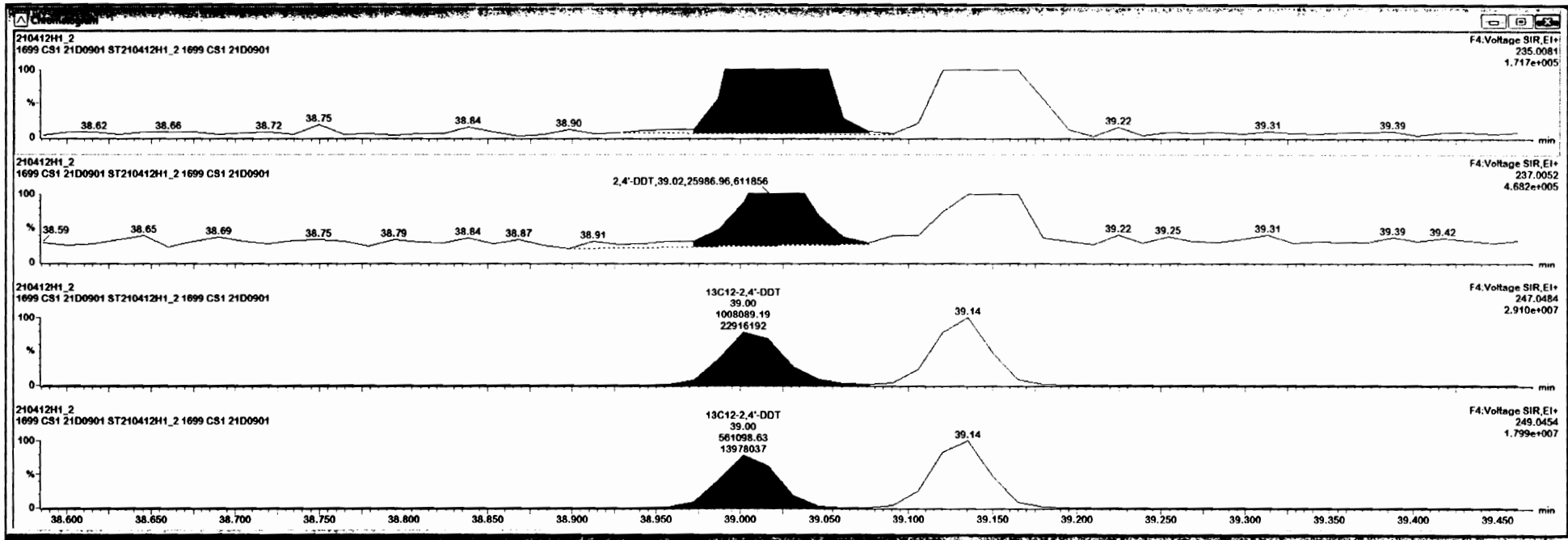


I	Name	RT	RA	Yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7445e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	cis-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.887	NO	1.8245e4	6.7056e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9688e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDT	37.73	1.728	NO	8.7705e4	2.1752e6	2.000	-4.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5692e6	2.000	-6.6	5.20	1.05	0.0544

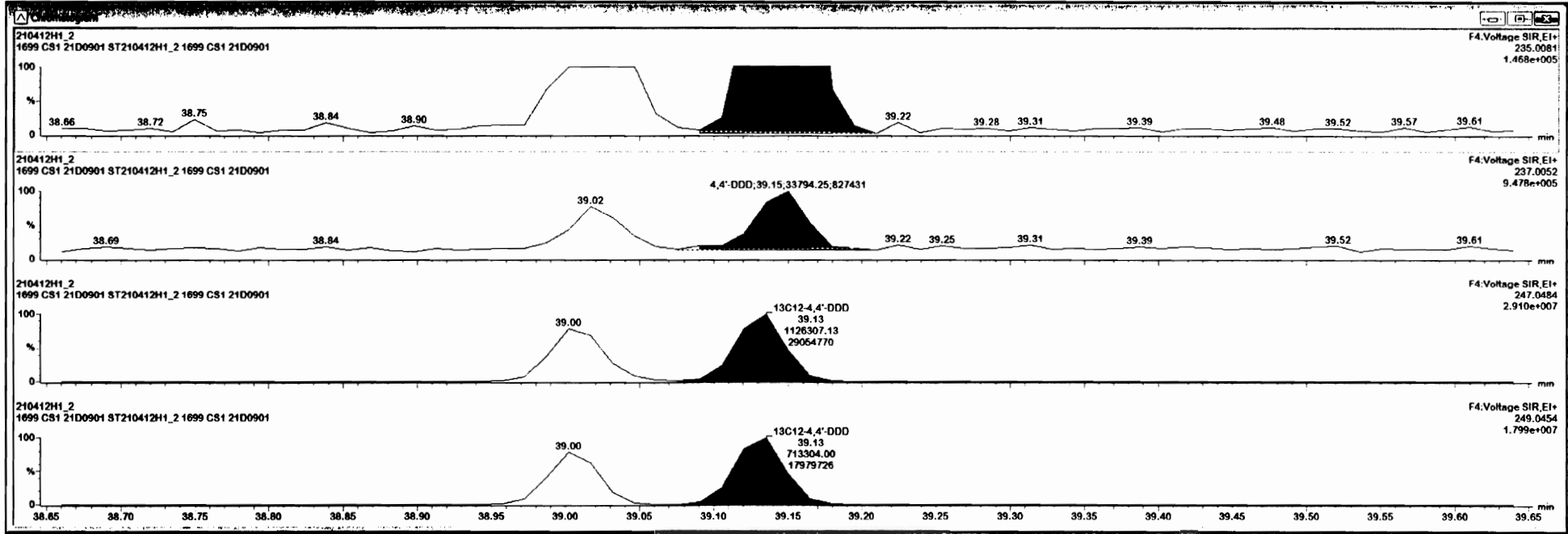


210412H1\_2 - ST210412H1\_2 1699 CS1 21D0901 - 1699 CS1 21D0901

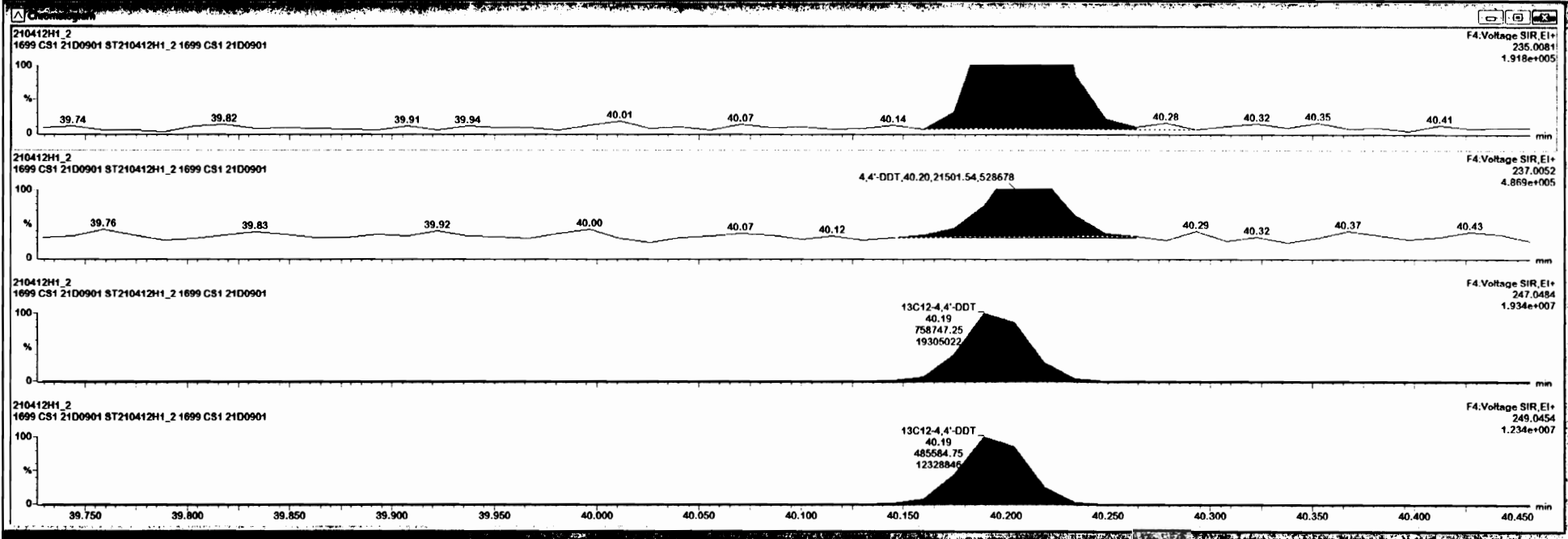
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14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	cs-Chlordane	35.73	1.934	NO	3.8653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	6.7058e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9176e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9686e5	2.000	-12.2	6.73	1.01	0.0678
22	cs-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9668e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.381	NO	6.1365e4	1.8692e6	2.000	-8.0	5.20	1.05	0.0544



Rt	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
14	trans-Nonachlor	35.25	1.831	NO	3.7448e3	9.8697e4	2.000	-10.4	5.17	1.06	0.0547
15	cis-Chlorthal	35.73	1.934	NO	3.9653e3	9.8697e4	2.000	-15.9	7.93	1.16	0.0924
16	Endosulfan I (alpha)	35.83	1.687	NO	1.8245e4	4.7058e4	10.000	10.7	11.0	1.23	0.135
17	4,4'-DDMU	35.47	3.051	NO	4.9178e4	2.3236e6	20.000	-87.1			
18	2,4'-DDE	35.70	1.335	NO	9.2122e4	2.3236e6	2.000	-3.3	3.28	1.02	0.0336
19	4,4'-DDE	36.77	1.501	NO	6.2910e4	1.6538e6	2.000	-8.4	5.39	1.04	0.0559
20	Dieldrin	37.29	1.600	NO	8.5289e3	2.4541e5	2.000	-15.6	8.47	1.03	0.0872
21	Endrin	38.67	1.491	NO	6.9672e3	1.9886e5	2.000	-12.2	6.73	1.01	0.0678
22	cis-Nonachlor	38.96	1.243	NO	4.2447e3	1.3002e5	2.000	-18.4	9.43	1.00	0.0944
23	Endosulfan II (beta)	39.69	1.331	NO	9.9688e3	3.9147e4	10.000	18.9	13.8	1.07	0.147
24	2,4'-DDD	37.90	1.424	NO	8.7093e4	2.1754e6	2.000	-6.1	4.76	1.07	0.0507
25	2,4'-DDT	39.02	1.361	NO	6.1357e4	1.5892e6	2.000	-6.6	5.20	1.05	0.0544



R	Name	RT	RA	yh	Area	S Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
27	4,4'-DDT	40.20	1.386	NO	1.6026e4	1.2445e4	2.659	-16.1	8.42	1.13	0.9727
28	Endosulfan Sulfate	41.41	1.688	NO	1.2127e4	5.8227e4	10.000	0.5	2.06	1.04	0.0214
29	4,4'-Methoxychlor	43.25	6.292	NO	3.2172e5	1.3974e7	10.000	-5.7	4.30	1.22	0.0524
30	Mirex	43.87	1.431	NO	2.4032e4	6.7833e5	2.000	-14.0	7.27	1.03	0.0751
31	Endrin Aldehyde	40.81	0.617	NO	9.5131e3	5.8150e5	10.000	-12.6	8.70	0.936	0.0815
32	Endrin Ketone	43.99	0.787	NO	1.2495e4	7.3233e5	10.000	-7.9	4.56	0.926	0.0422
33	13C4-Hexachlorobutadiene	9.95	1.278	NO	5.6050e6	2.5487e6	500.000	37.1	29.1	0.160	0.0467
34	13C6-Hexachlorobenzene	22.67	1.265	NO	2.2368e8	2.5487e8	50.000	1.3	1.38	0.867	0.0119
35	13C6-Alpha-BHC	23.21	0.795	NO	6.4609e5	2.5487e8	50.000	-1.8	3.63	0.258	0.00936
36	13C6-Lindane (gamma)	26.55	0.780	NO	4.9372e5	2.5487e8	50.000	0.0	3.92	0.194	0.00759
37	13C6-Beta-BHC	28.58	0.792	NO	3.6316e5	2.5487e8	50.000	-0.9	5.67	0.144	0.00815
38	13C6-Delta-BHC	30.24	0.794	NO	4.1262e5	2.5487e8	50.000	-3.6	7.85	0.168	0.0132



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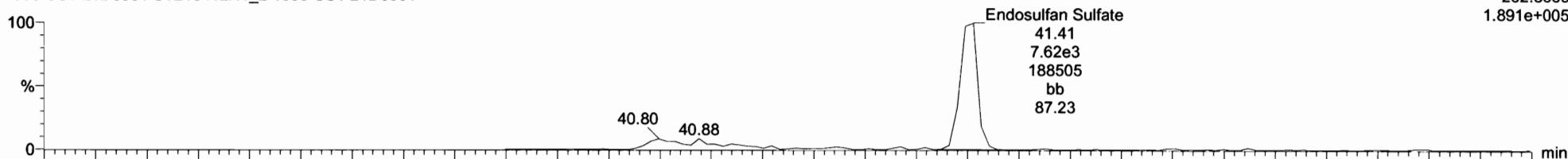
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**Endosulfan Sulfate**

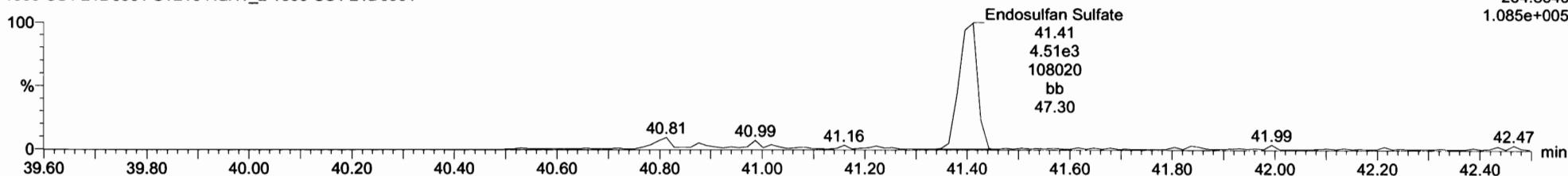
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
262.8569  
1.891e+005



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

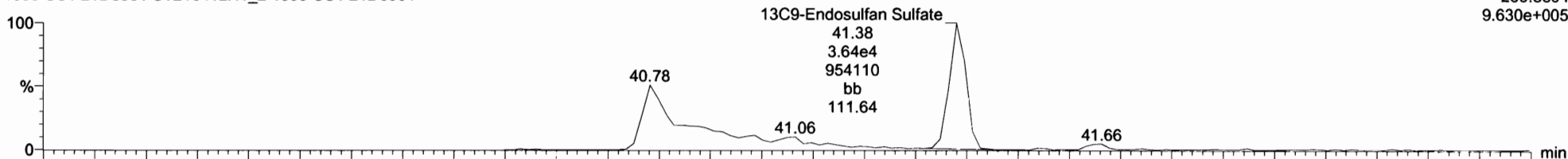
F5:Voltage SIR,EI+  
264.8540  
1.085e+005



**13C9-Endosulfan Sulfate**

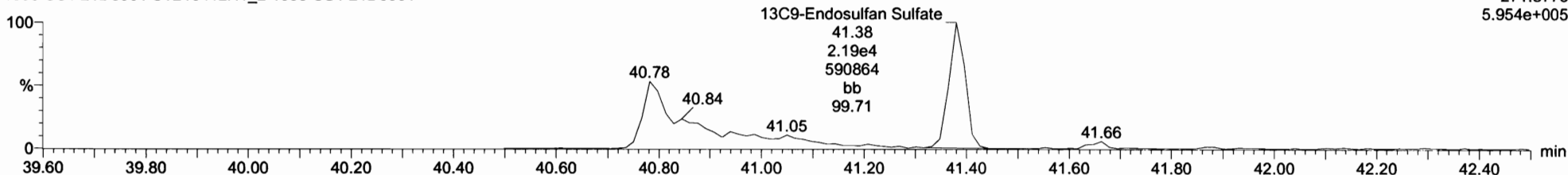
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
269.8804  
9.630e+005



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
271.8775  
5.954e+005



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

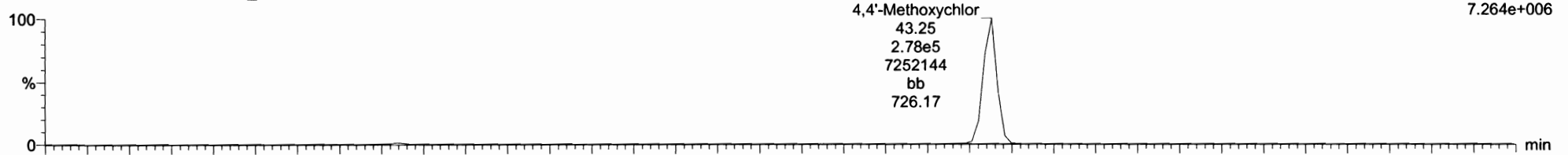
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**4,4'-Methoxychlor**

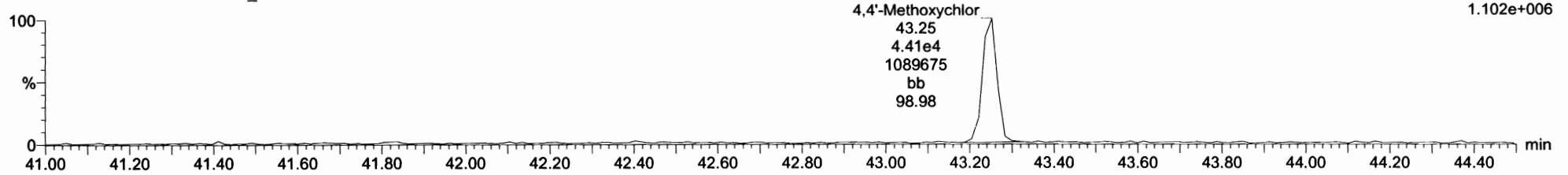
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
227.1072  
7.264e+006



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

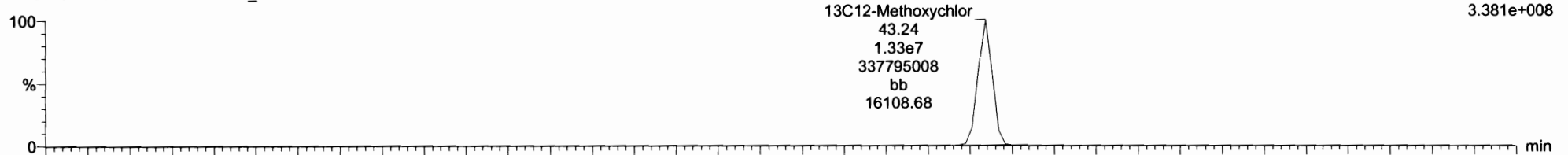
F5:Voltage SIR,EI+  
228.1106  
1.102e+006



**13C12-Methoxychlor**

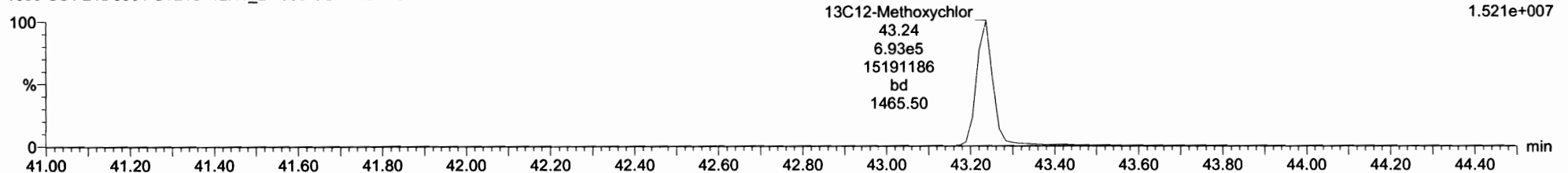
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
239.1475  
3.381e+008



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
240.1508  
1.521e+007





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

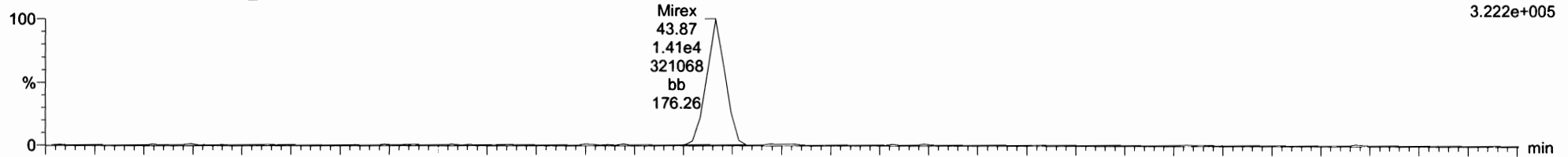
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**Mirex**

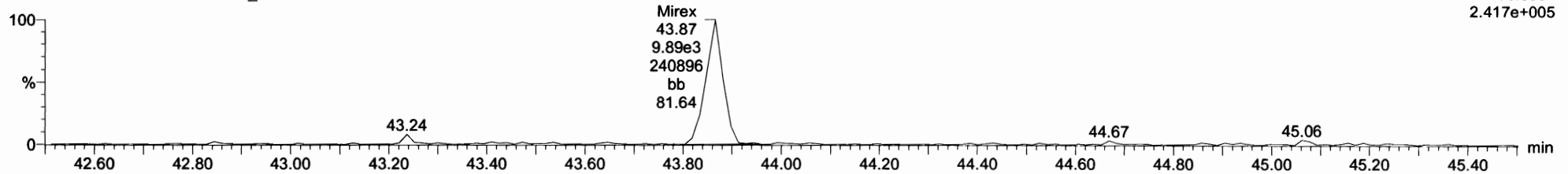
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
236.8413  
3.222e+005



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

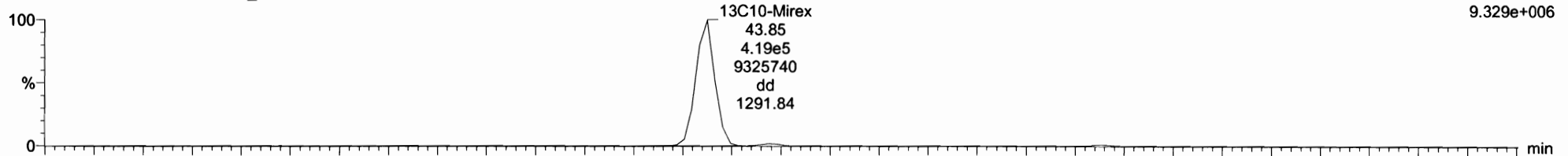
F5:Voltage SIR,EI+  
238.8384  
2.417e+005



**13C10-Mirex**

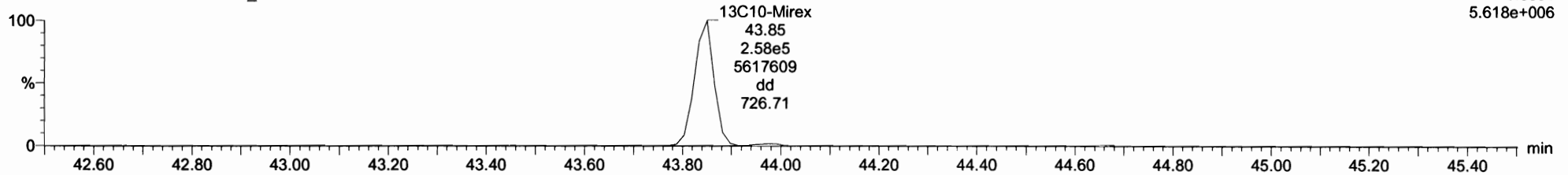
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
241.8581  
9.329e+006



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
243.8551  
5.618e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

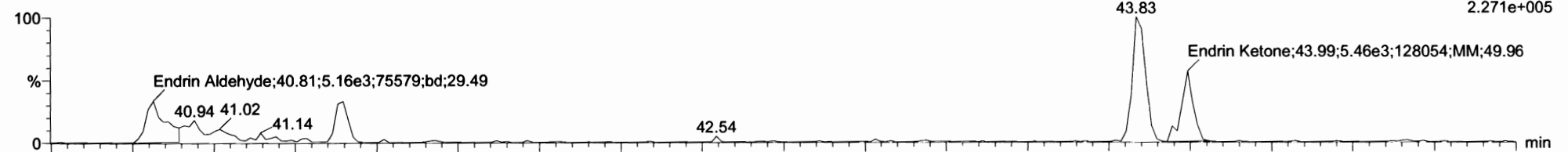
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

EA-EK

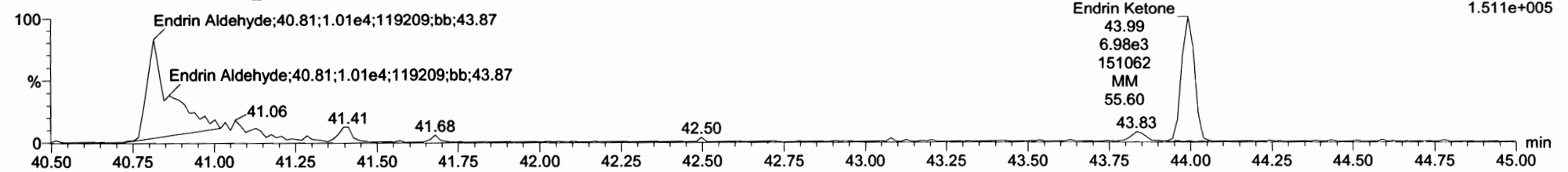
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
247.8521  
2.271e+005



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

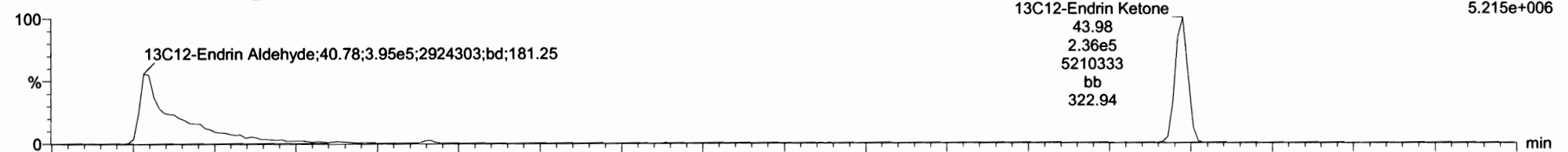
F5:Voltage SIR,EI+  
249.8491  
1.511e+005



EA-EK-isotopes

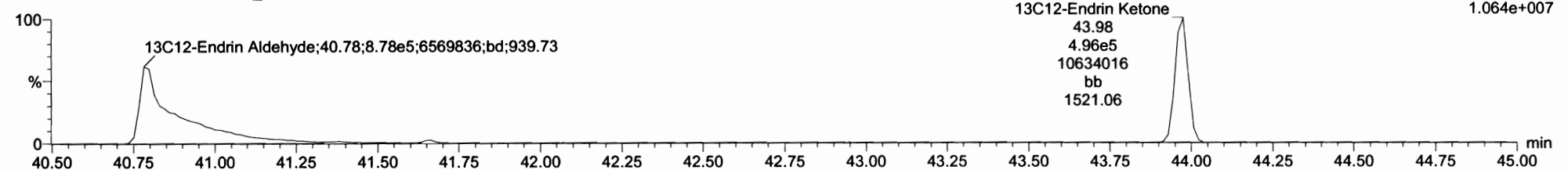
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F5:Voltage SIR,EI+  
253.8722  
5.215e+006

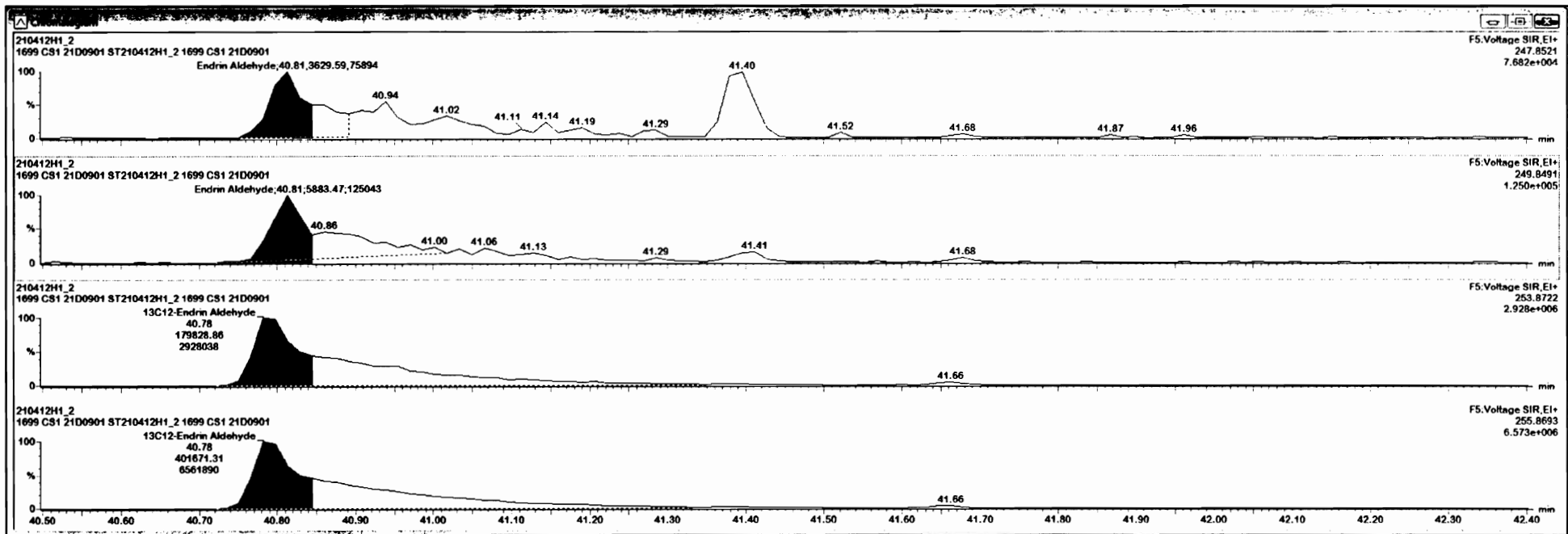


210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

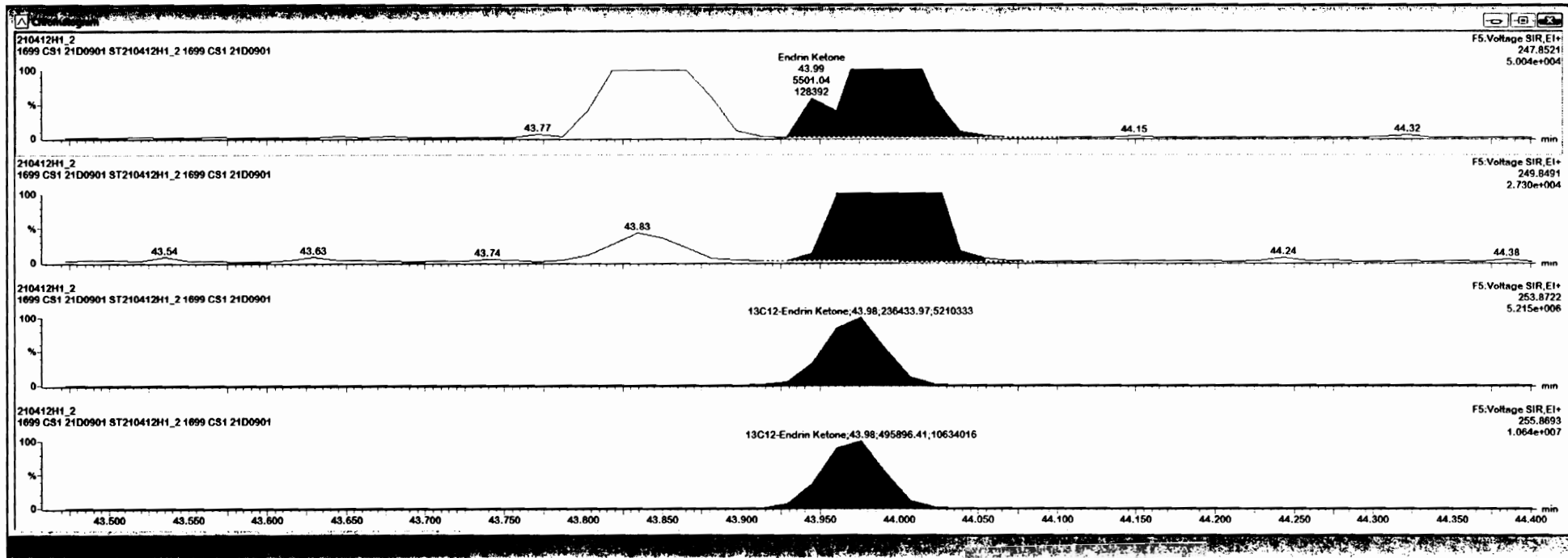
F5:Voltage SIR,EI+  
255.8693  
1.064e+007



#	Name	RT	RA	yh	Area	ES Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
27	4,4'-DDT	40.20	1.356	NO	5.0649e4	1.2443e6	2.000	-10.1	6.42	1.13	0.0727
28	Endosulfan Sulfate	41.41	1.688	NO	1.2127e4	5.8227e4	10.000	0.5	2.06	1.04	0.0214
29	4,4'-Methoxychlor	43.25	6.292	NO	3.2172e5	1.3974e7	10.000	-5.7	4.30	1.22	0.0524
30	Mirex	43.87	1.431	NO	2.4032e4	6.7833e5	2.000	-14.0	7.27	1.03	0.0751
31	Endrin Aldehyde	40.81	0.977	NO	5.5133e5	1.8155e6	15.000	-12.8	8.78	0.938	0.0815
32	Endrin Ketone	43.99	0.787	NO	1.2495e4	7.3233e5	10.000	-7.9	4.56	0.926	0.0422
33	13C4-Hexachlorobutadiene	9.95	1.278	NO	5.6050e6	2.5487e6	500.000	37.1	29.1	0.160	0.0467
34	13C6-Hexachlorobenzene	22.67	1.285	NO	2.2398e6	2.5487e6	50.000	1.3	1.38	0.867	0.0119
35	13C6-Alpha-BHC	23.21	0.795	NO	6.4809e5	2.5487e6	50.000	-1.8	3.83	0.258	0.00938
36	13C6-Lindane (gamma)	26.55	0.780	NO	4.9372e5	2.5487e6	50.000	0.0	3.92	0.194	0.00759
37	13C6-Beta-BHC	28.58	0.792	NO	3.8316e5	2.5487e6	50.000	-0.9	5.67	0.144	0.00815
38	13C6-Delta-BHC	30.24	0.794	NO	4.1262e5	2.5487e6	50.000	-3.6	7.85	0.168	0.0132



Rt	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
27	4,4'-DDT	40.20	1.356	NO	5.0649e4	1.2443e6	2.000	-10.1	6.42	1.13	0.0727
28	Endosulfan Sulfate	41.41	1.688	NO	1.2127e4	5.8227e4	10.000	0.5	2.06	1.04	0.0214
29	4,4'-Methoxychlor	43.25	6.292	NO	3.2172e5	1.3974e7	10.000	-5.7	4.30	1.22	0.0524
30	Mirex	43.87	1.431	NO	2.4032e4	6.7833e5	2.000	-14.0	7.27	1.03	0.0751
31	Endrin Aldehyde	40.81	0.617	NO	9.5131e3	5.8150e5	10.000	-12.6	8.70	0.936	0.0815
32	Endrin Ketone	43.99	1.177	NO	5.5010e4	1.2839e6	10.000	-7.9	4.98	0.928	0.6422
33	13C4-Hexachlorobutadiene	9.95	1.278	NO	5.6050e6	2.5487e6	500.000	37.1	29.1	0.160	0.9467
34	13C6-Hexachlorobenzene	22.67	1.265	NO	2.2398e6	2.5487e6	50.000	1.3	1.38	0.867	0.6119
35	13C6-Alpha-BHC	23.21	0.795	NO	6.4809e5	2.5487e6	50.000	-1.6	3.63	0.258	0.09938
36	13C6-Lindane (gamma)	26.55	0.780	NO	4.9372e5	2.5487e6	50.000	0.0	3.92	0.194	0.00759
37	13C6-Beta-BHC	28.58	0.792	NO	3.6316e5	2.5487e6	50.000	-0.9	5.67	0.144	0.00815
38	13C6-Delta-BHC	30.24	0.794	NO	4.1262e5	2.5487e6	50.000	-3.6	7.85	0.168	0.0132



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

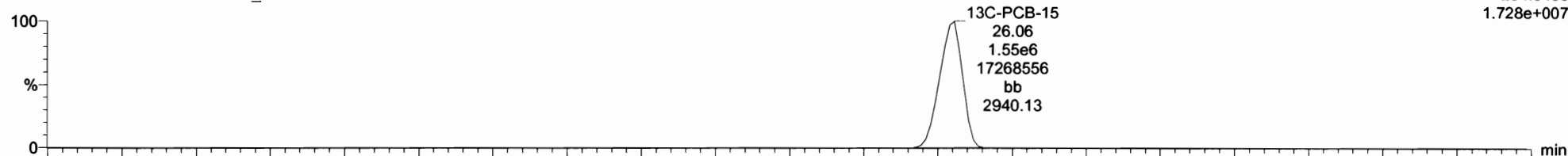
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**13C-PCB-15**

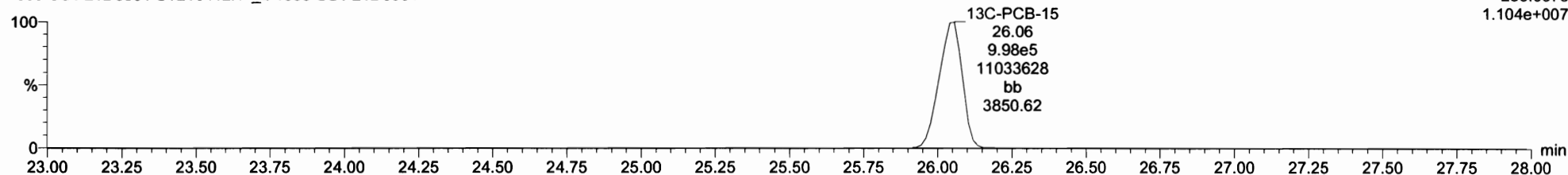
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F2:Voltage SIR,EI+  
234.0406  
1.728e+007



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

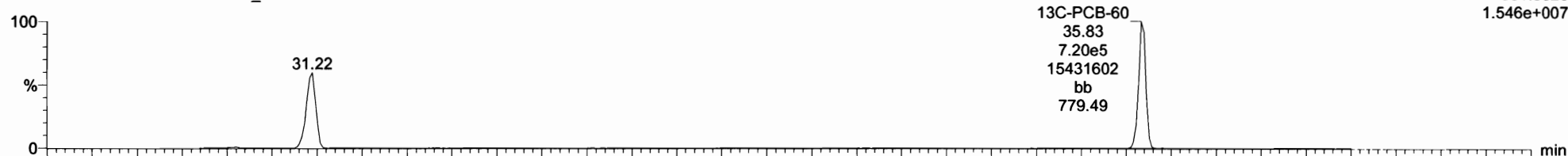
F2:Voltage SIR,EI+  
236.0376  
1.104e+007



**13C-PCB-60**

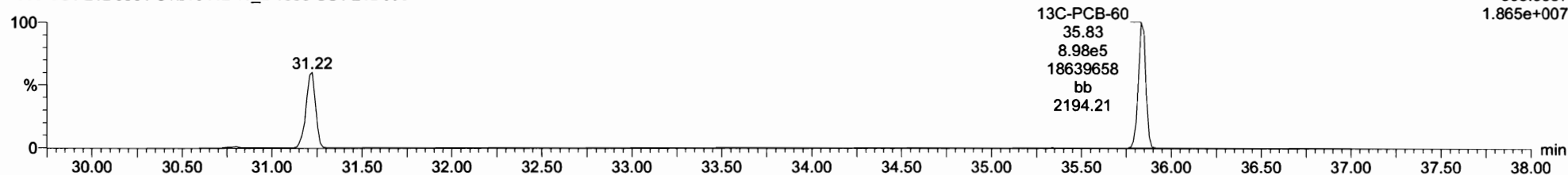
210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F3:Voltage SIR,EI+  
301.9626  
1.546e+007



210412H1\_2  
1699 CS1 21D0901 ST210412H1\_2 1699 CS1 21D0901

F3:Voltage SIR,EI+  
303.9597  
1.865e+007

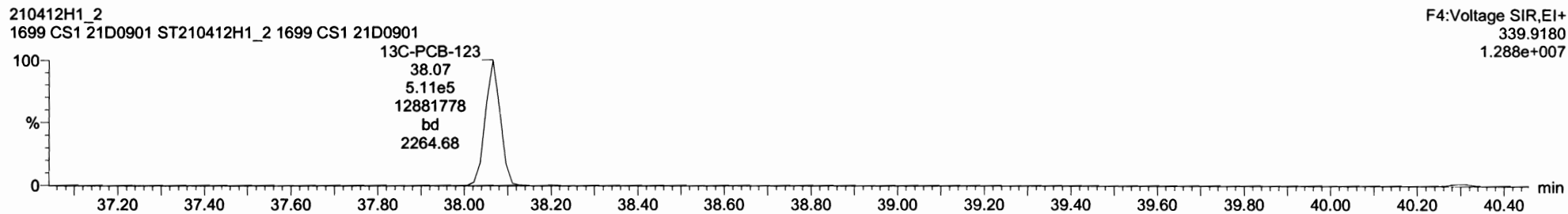
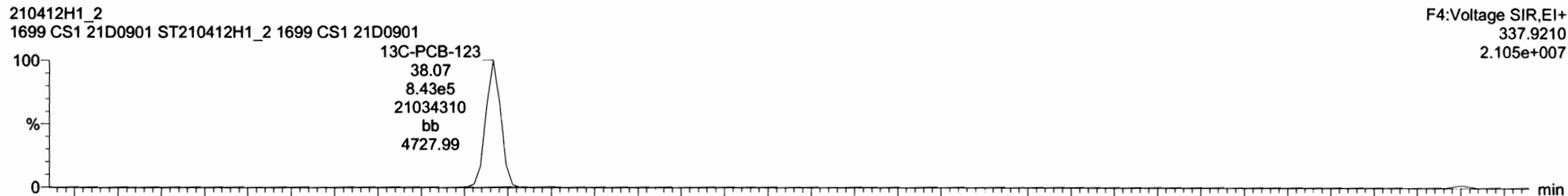


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

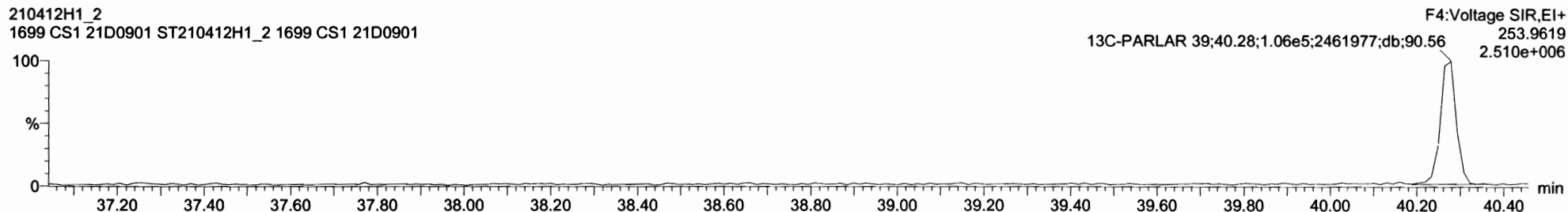
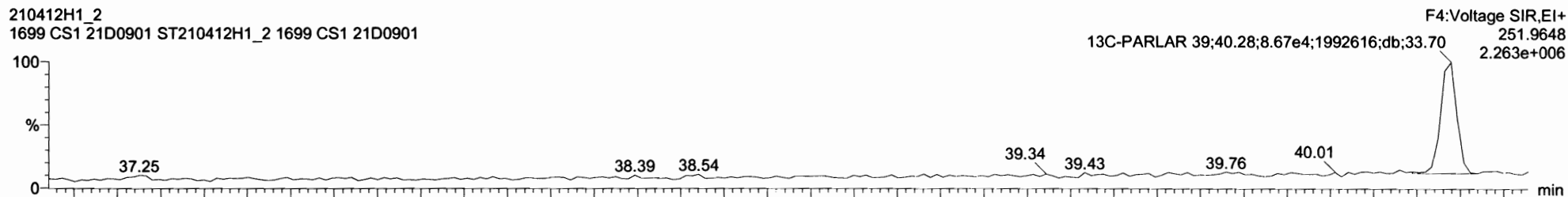
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

**13C-PCB-123**



**13C-PARLAR 39**



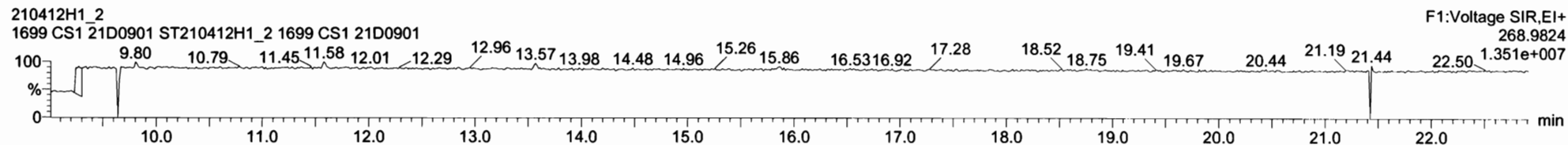
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

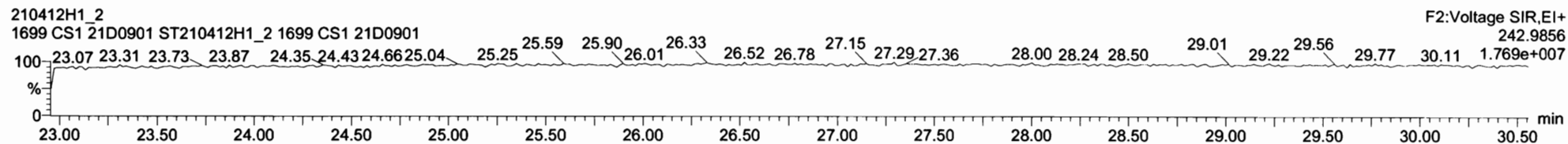
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_2, Date: 12-Apr-2021, Time: 15:48:16, ID: ST210412H1\_2 1699 CS1 21D0901, Description: 1699 CS1 21D0901

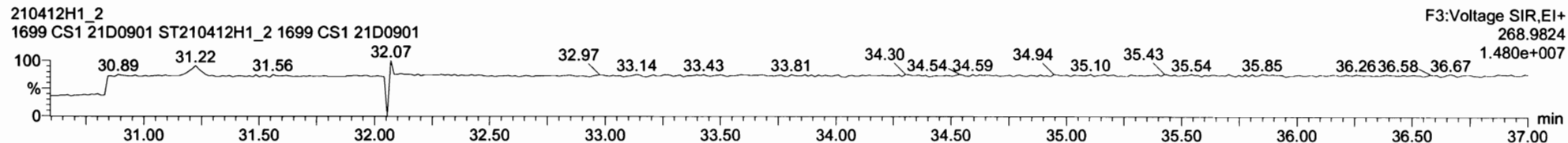
**PFK1**



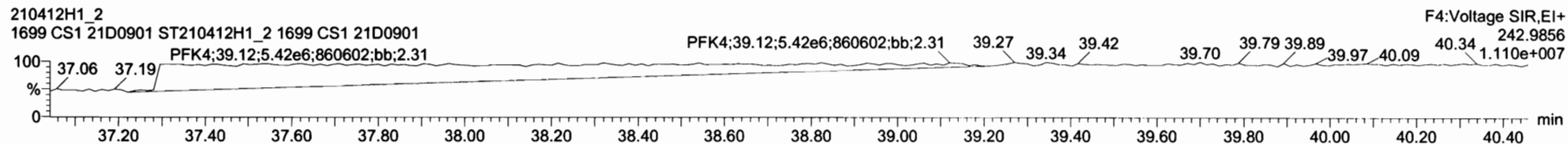
**PFK2**



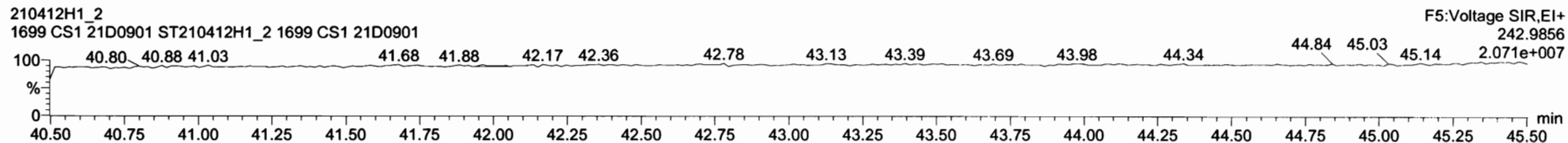
**PFK3**



**PFK4**



**PFK5**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

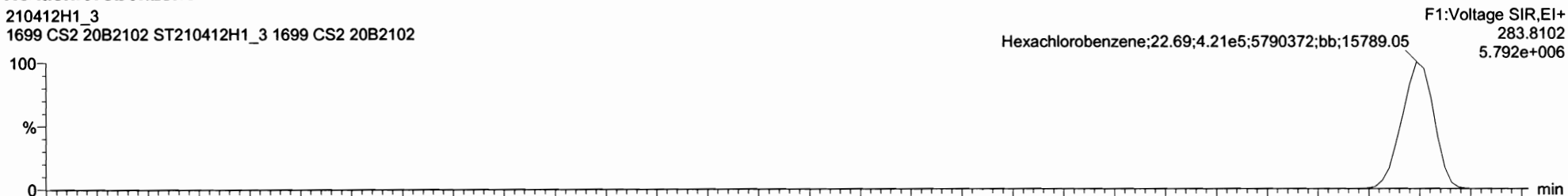
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

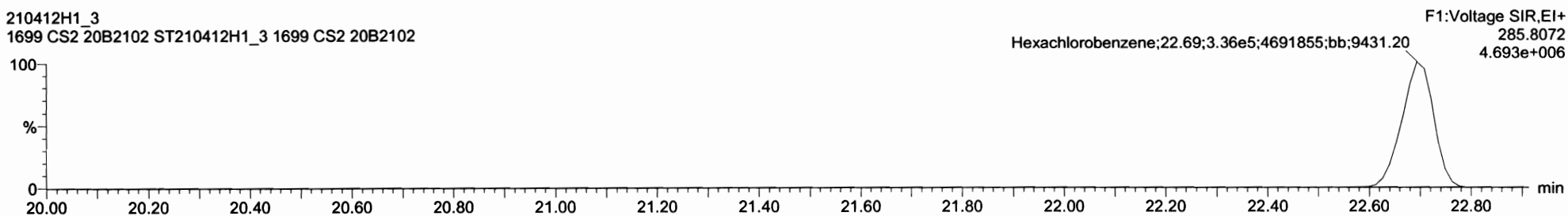
Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

### Hexachlorobenzene

210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

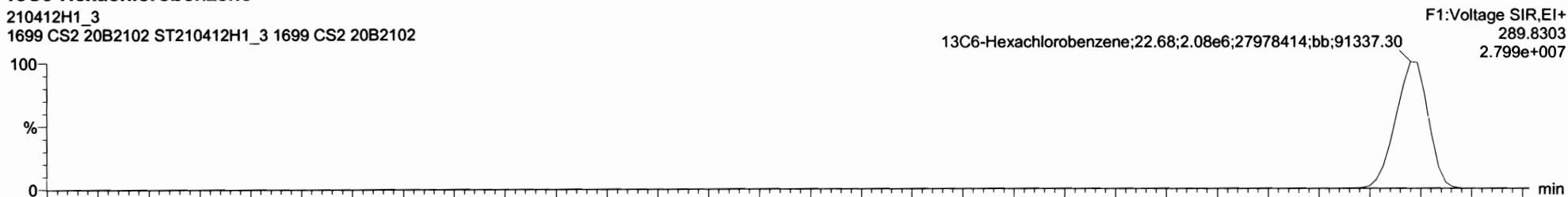


210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

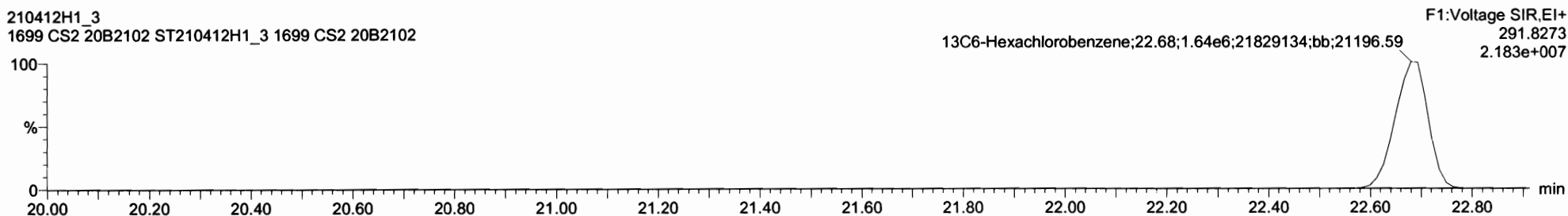


### 13C6-Hexachlorobenzene

210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

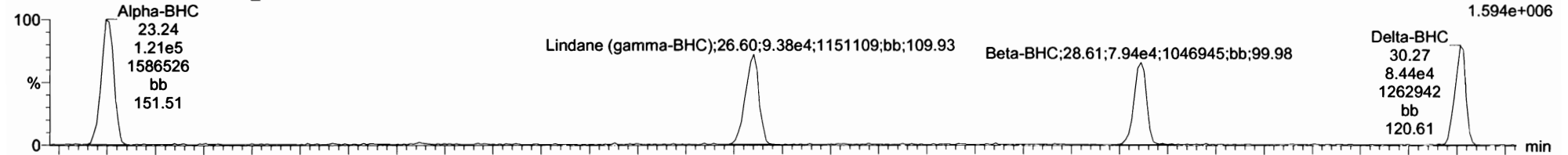
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**BHC Totals**

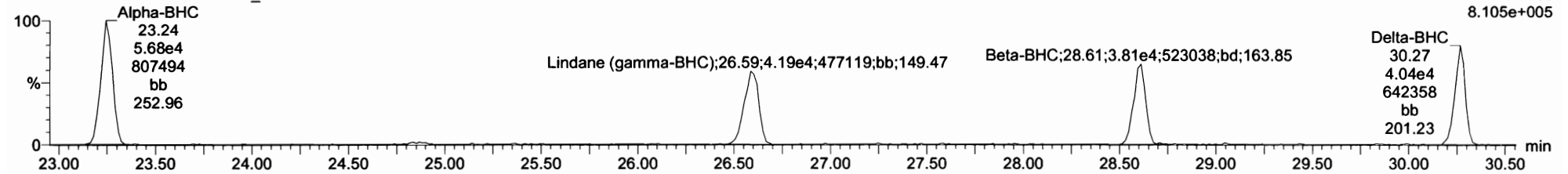
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F2:Voltage SIR,EI+  
218.9116  
1.594e+006



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

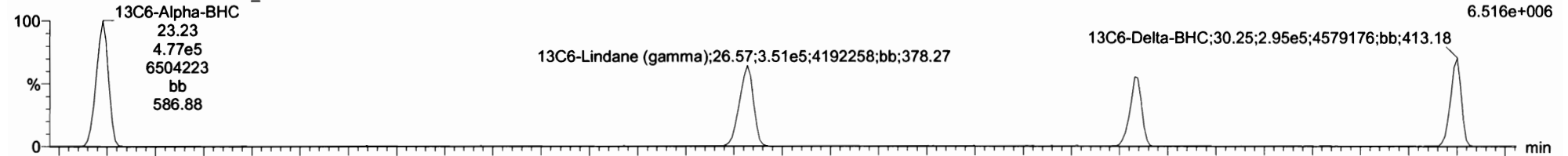
F2:Voltage SIR,EI+  
220.9086  
8.105e+005



**BHC-isotopes**

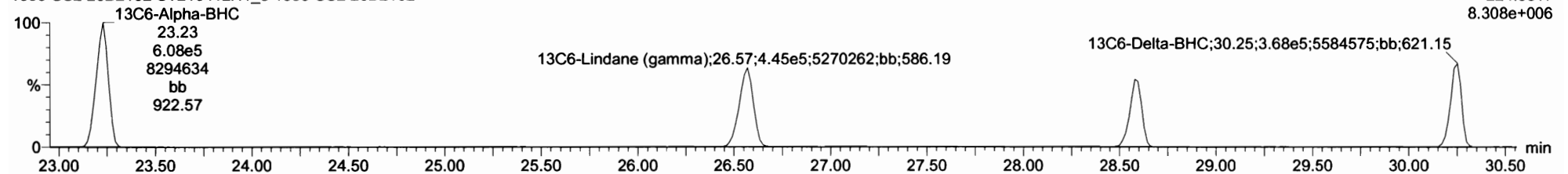
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F2:Voltage SIR,EI+  
222.9346  
6.516e+006



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F2:Voltage SIR,EI+  
224.9317  
8.308e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

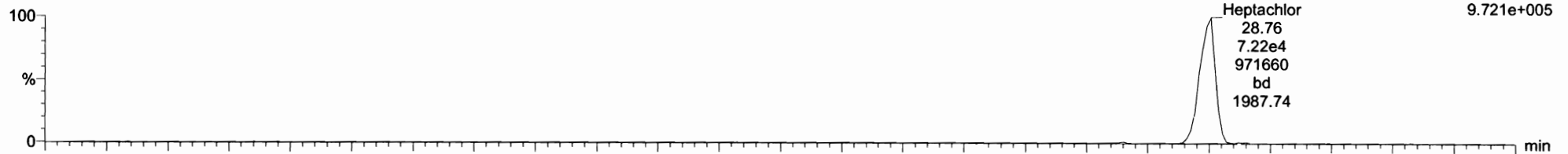
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**Heptachlor**

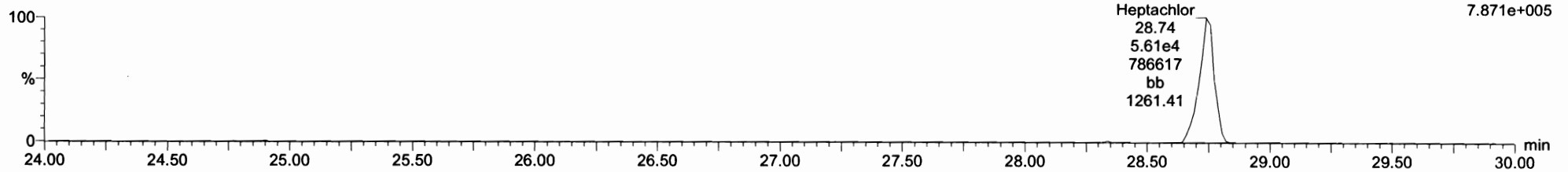
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F2:Voltage SIR,EI+  
271.8102  
9.721e+005



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

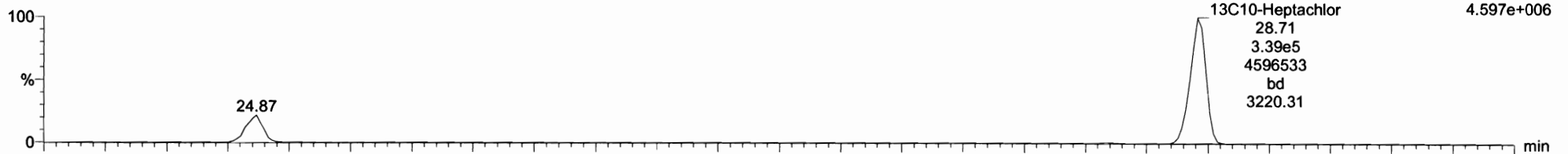
F2:Voltage SIR,EI+  
273.8072  
7.871e+005



**13C10-Heptachlor**

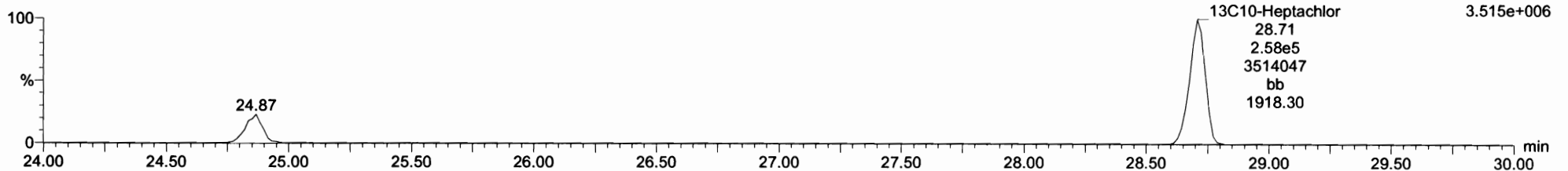
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F2:Voltage SIR,EI+  
276.8269  
4.597e+006



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F2:Voltage SIR,EI+  
278.8240  
3.515e+006



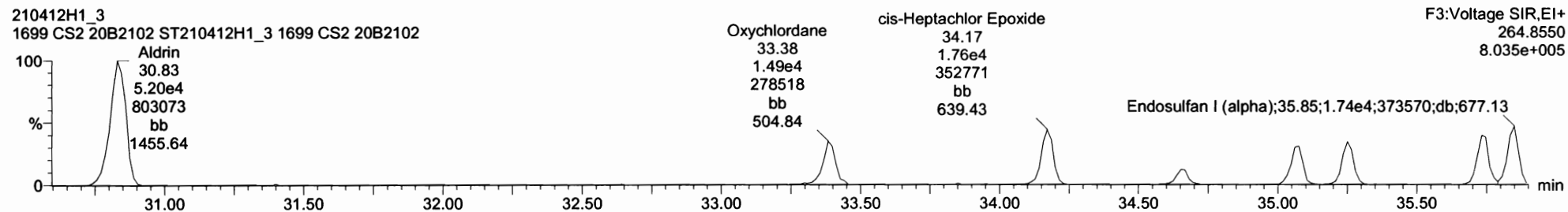
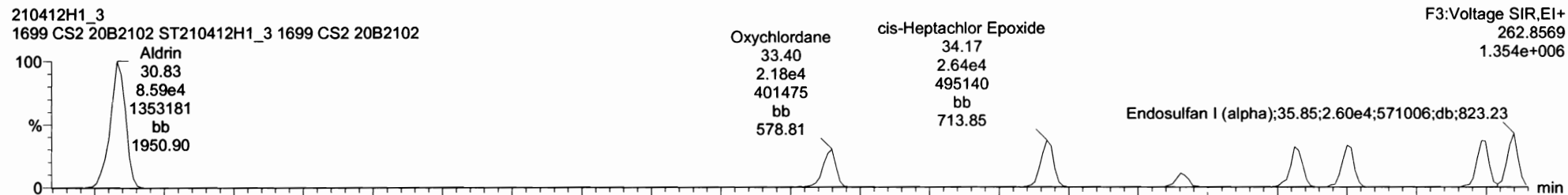
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

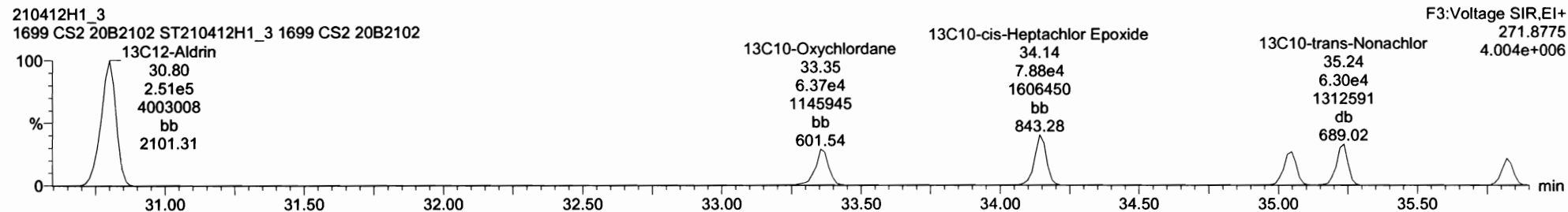
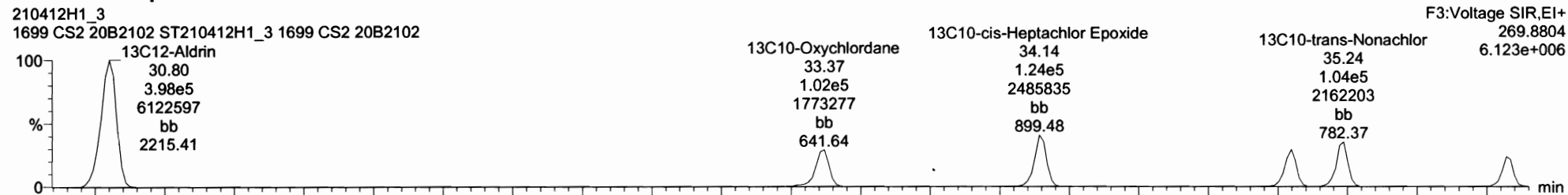
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**Aldrin-EI**



**Aldrin-EI-isotopes**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

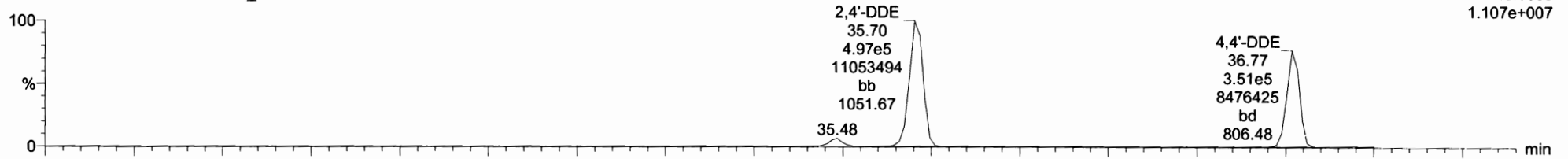
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**DDMU-DDE**

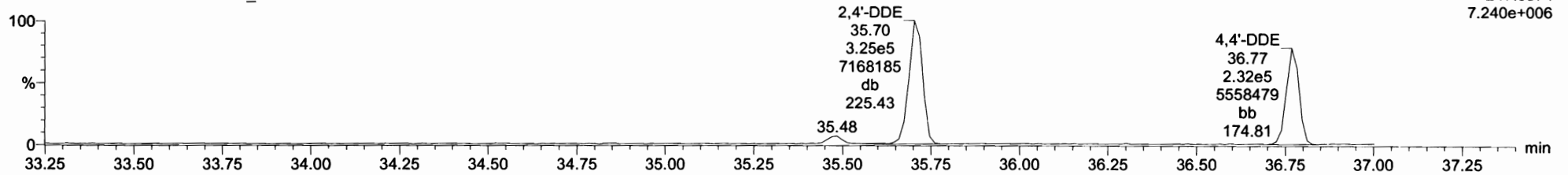
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F3:Voltage SIR,EI+  
246.0003  
1.107e+007



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

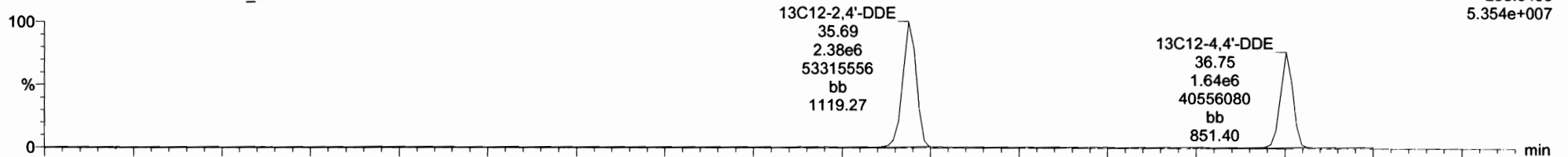
F3:Voltage SIR,EI+  
247.9974  
7.240e+006



**DDE-isotopes**

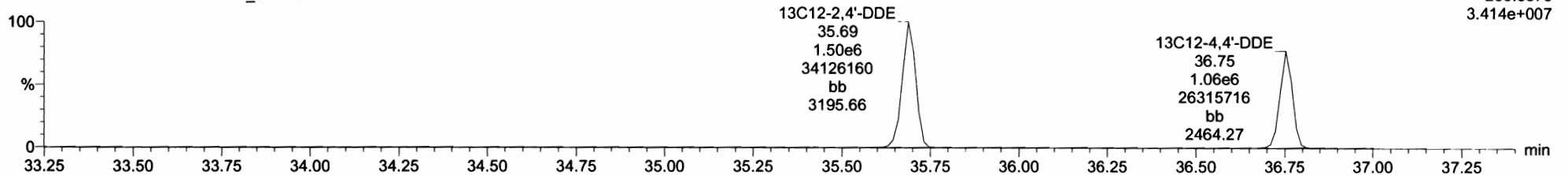
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F3:Voltage SIR,EI+  
258.0406  
5.354e+007



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F3:Voltage SIR,EI+  
260.0376  
3.414e+007

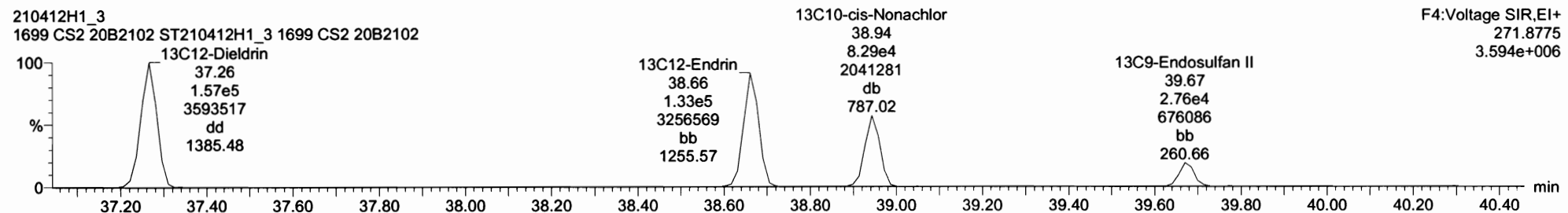
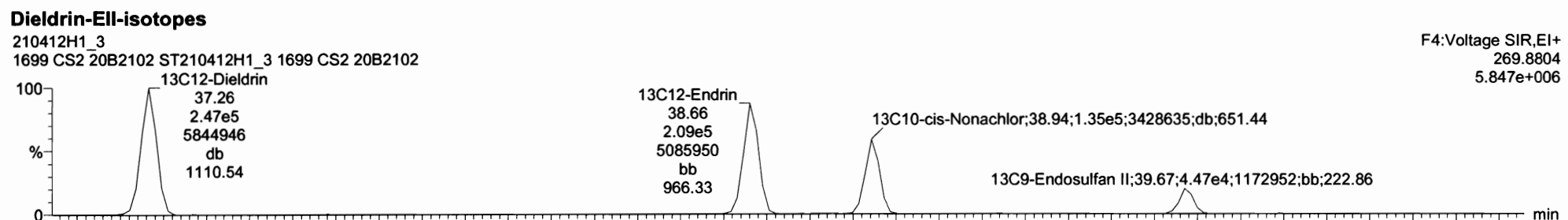
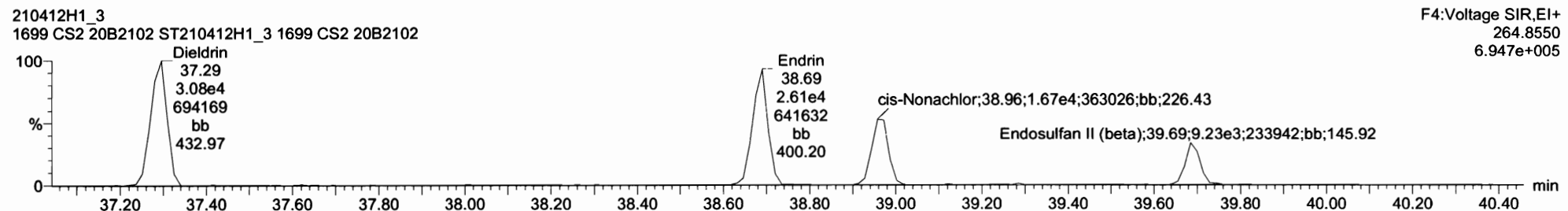
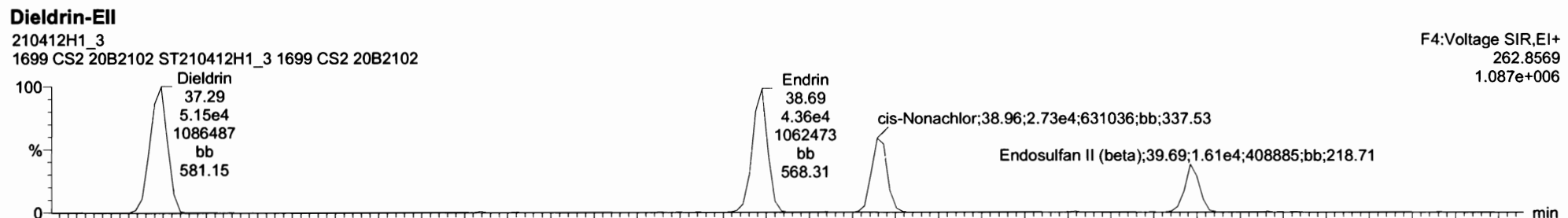


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102



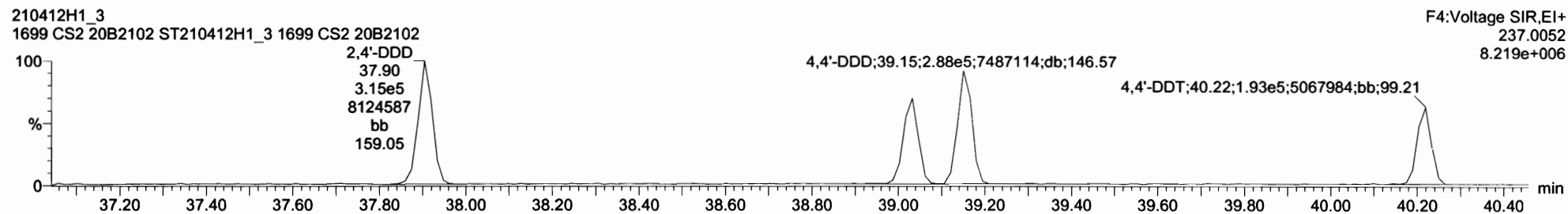
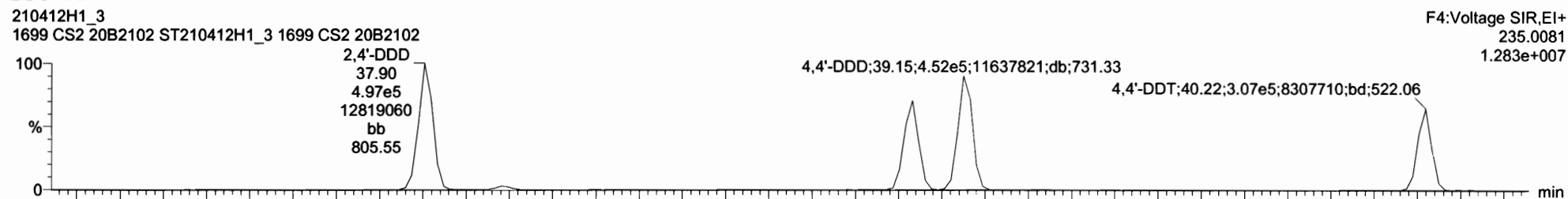
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

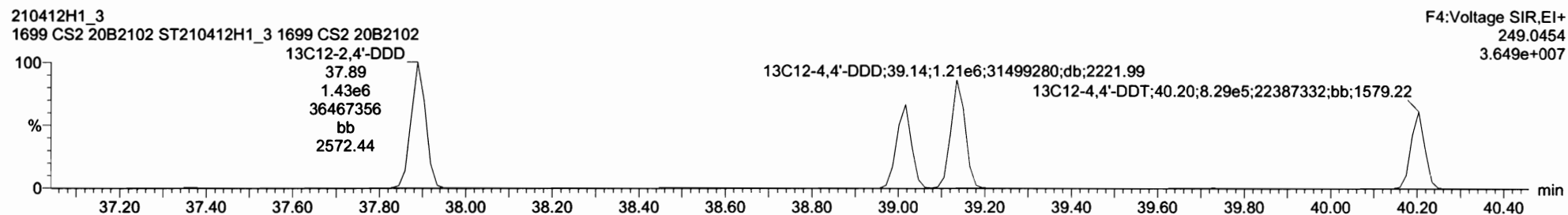
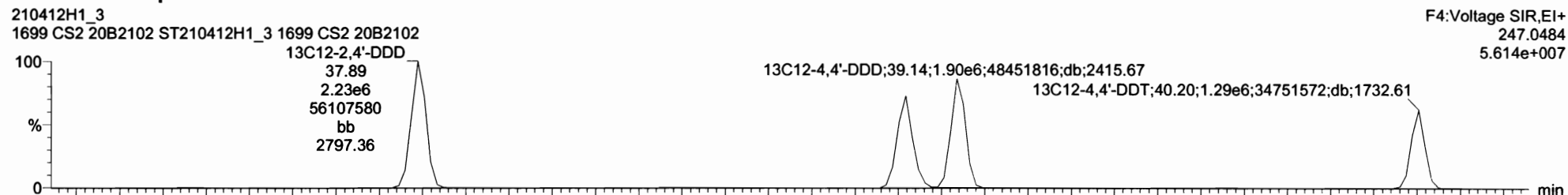
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

DDD-DDT



DDD-DDT-isotopes



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

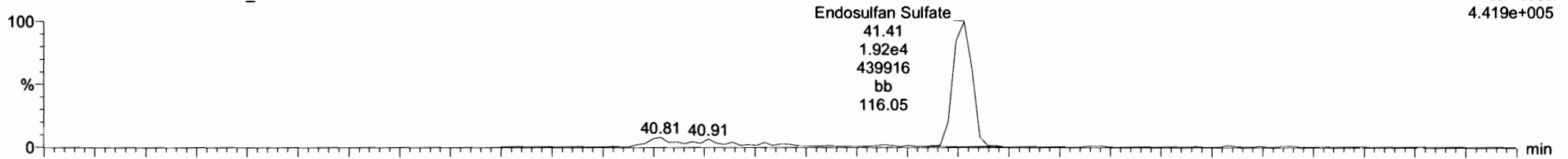
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**Endosulfan Sulfate**

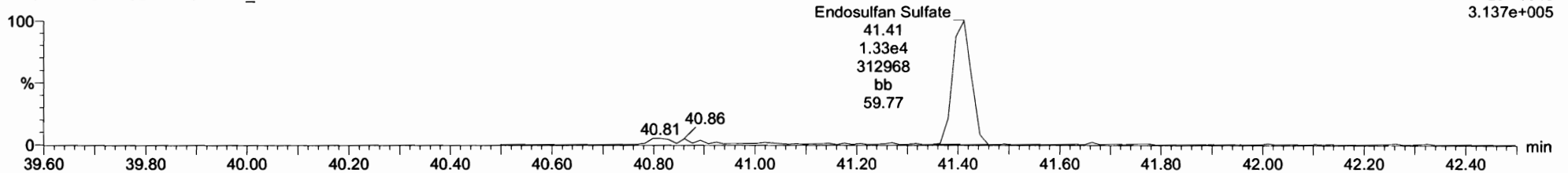
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
262.8569  
4.419e+005



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

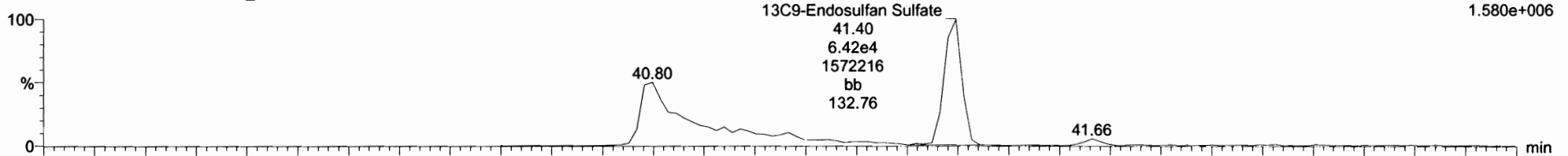
F5:Voltage SIR,EI+  
264.8540  
3.137e+005



**13C9-Endosulfan Sulfate**

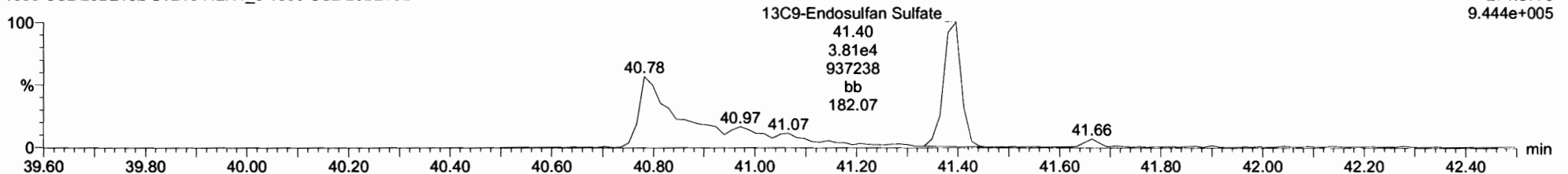
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
269.8804  
1.580e+006



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
271.8775  
9.444e+005



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

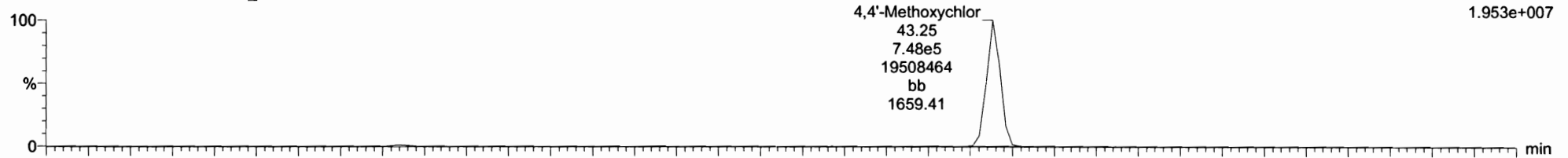
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**4,4'-Methoxychlor**

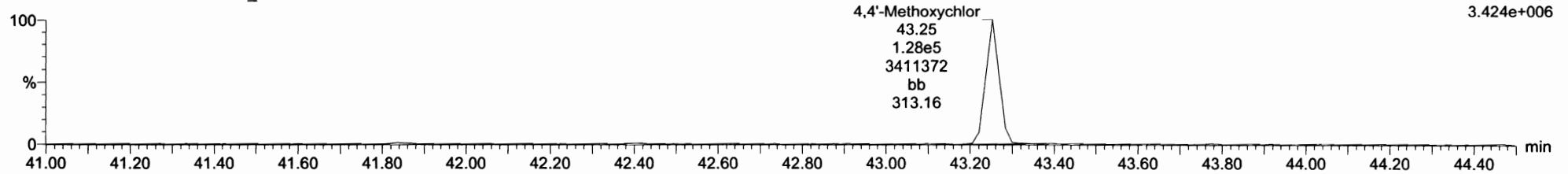
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
227.1072  
1.953e+007



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

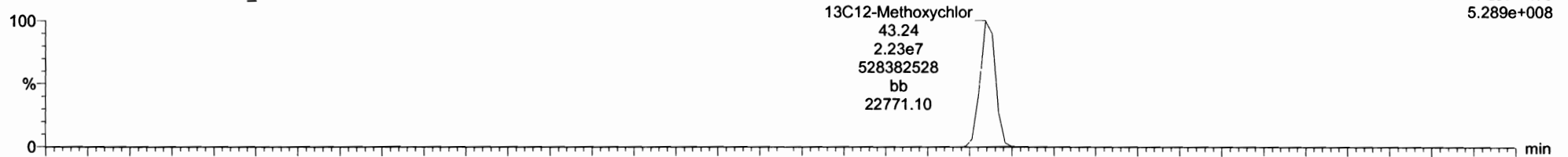
F5:Voltage SIR,EI+  
228.1106  
3.424e+006



**13C12-Methoxychlor**

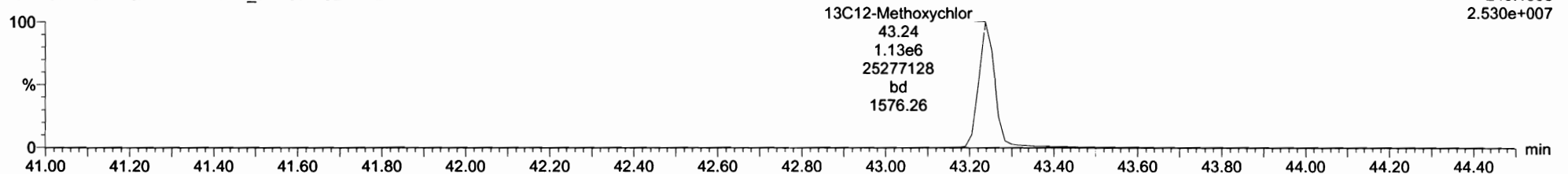
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
239.1475  
5.289e+008



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
240.1508  
2.530e+007





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

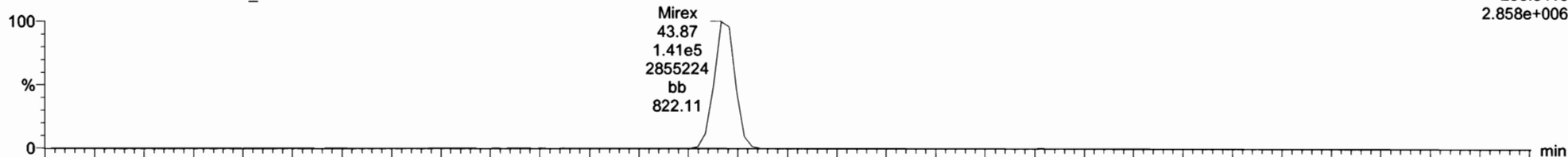
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**Mirex**

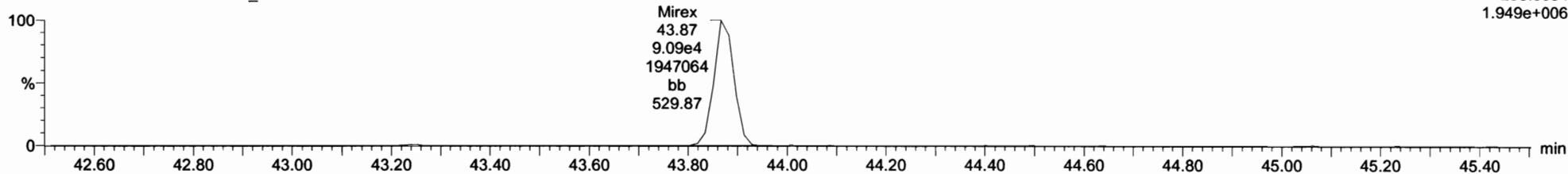
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
236.8413  
2.858e+006



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

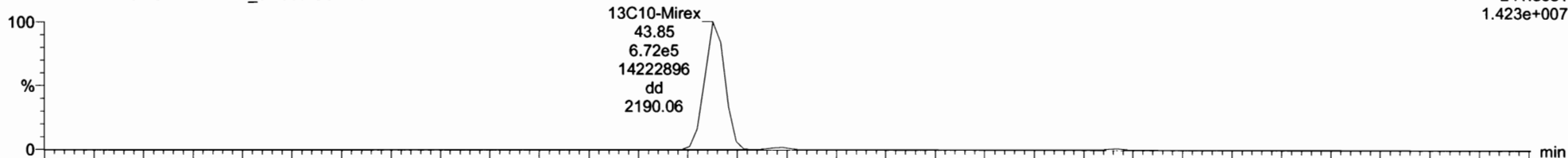
F5:Voltage SIR,EI+  
238.8384  
1.949e+006



**13C10-Mirex**

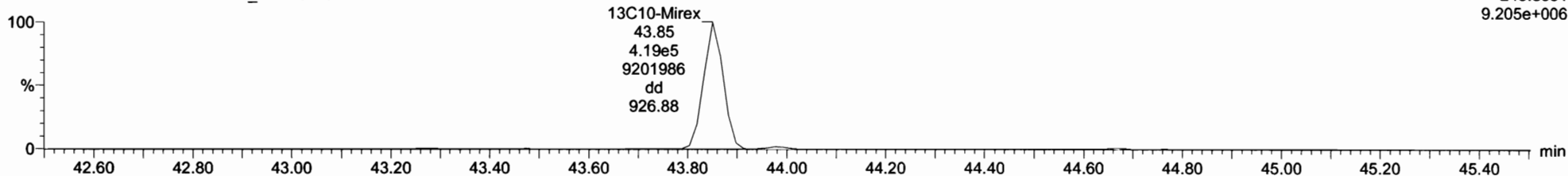
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
241.8581  
1.423e+007



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
243.8551  
9.205e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

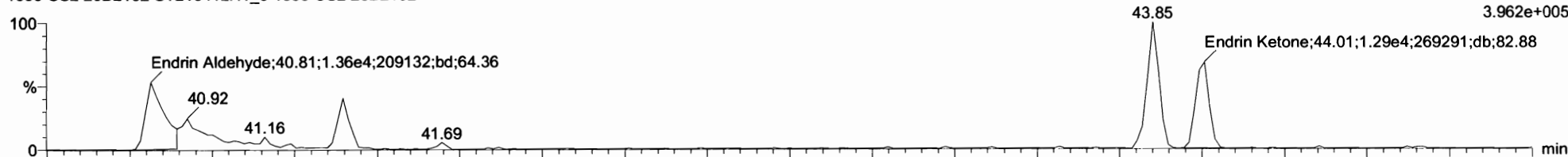
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

EA-EK

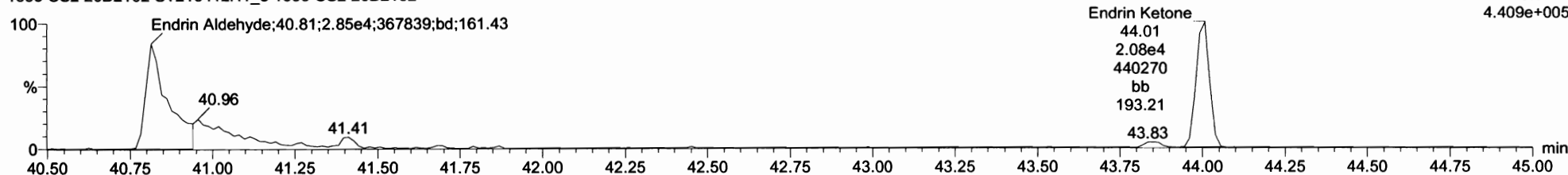
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
247.8521  
3.962e+005



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

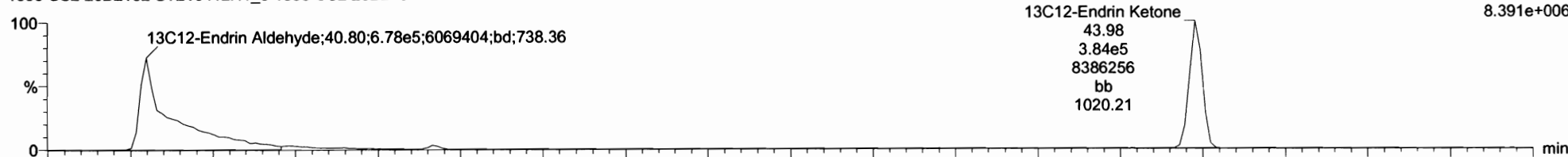
F5:Voltage SIR,EI+  
249.8491  
4.409e+005



EA-EK-isotopes

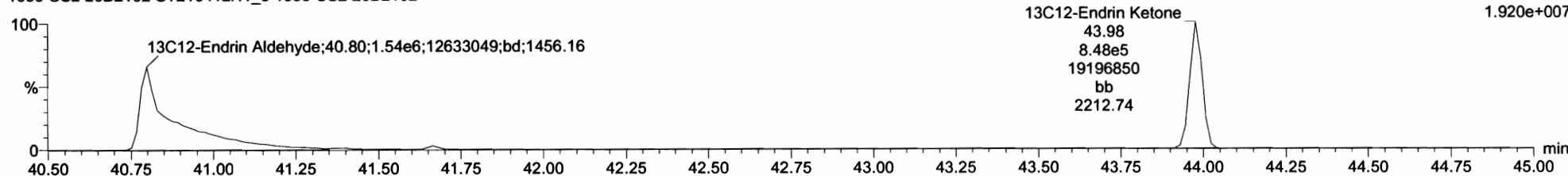
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
253.8722  
8.391e+006

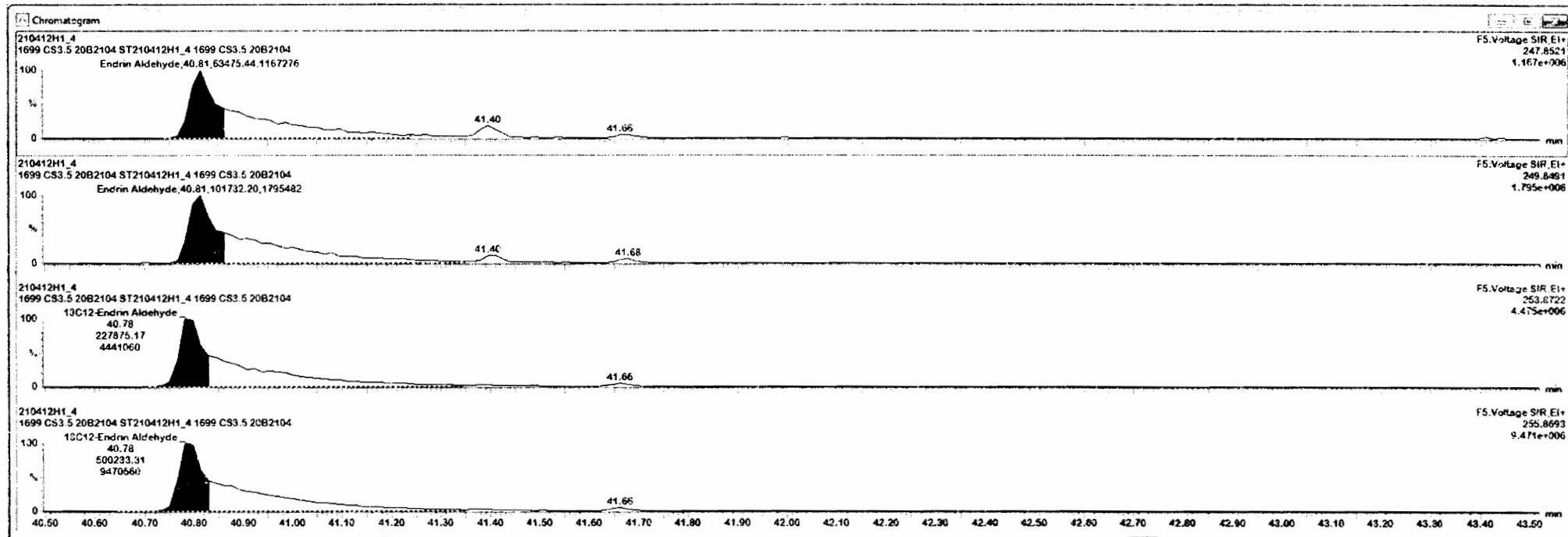


210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F5:Voltage SIR,EI+  
255.8693  
1.920e+007



RT	Name	RT	Area	IS Area	Std. Conc	%Dev	%RSD	RPF U	RPF SD		
31	Endrin Aldehyde	43.81	0.624	ND	1.8521e5	7.2811e5	100.000	10.5	10.7	1.03	0.110
32	Endrin ketone	43.99	0.810	ND	1.9303e5	9.0794e5	100.000	-0.1	4.59	0.529	0.0422
33	13C4-Hexachlorobutadiene	5.28	1.273	ND	6.4582e6	3.7898e6	50.000	6.1	29.1	0.167	0.0497
34	13C6-Hexachlorobenzene	22.89	1.280	ND	3.2544e6	3.7898e6	50.000	-0.5	1.38	0.867	0.0119
35	13C8-Alpha-BHC	23.23	0.789	ND	9.5452e5	3.7898e6	50.000	-2.9	3.83	0.270	0.0038
36	13C8-Epsilon-gamma	28.57	0.792	ND	7.1158e5	3.7898e6	50.000	-3.1	3.92	0.194	0.00759
37	13C9-Beta-BHC	28.59	0.801	ND	5.2833e5	3.7898e6	50.000	-2.9	6.87	0.144	0.00215
38	13C8-Delta-BHC	35.26	0.797	ND	6.1885e5	3.7898e6	50.000	-3.1	7.75	0.189	0.0122
39	13C10-Heptachlor	23.71	1.287	ND	5.4457e5	3.7898e6	50.000	-3.1	6.52	0.140	0.010
40	13C12-Alpha	35.90	1.533	ND	5.0320e5	3.7898e6	50.000	-7.5	2.96	0.154	0.00469
41	13C10-Oxydichlorane	33.35	1.592	ND	1.4913e5	3.7898e6	50.000	-2.8	8.24	0.0404	0.00203
42	13C10-cis-Heptachlor Epoxide	34.14	0.822	ND	1.7597e5	3.7898e6	50.000	-4.1	6.66	0.0492	0.00229



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

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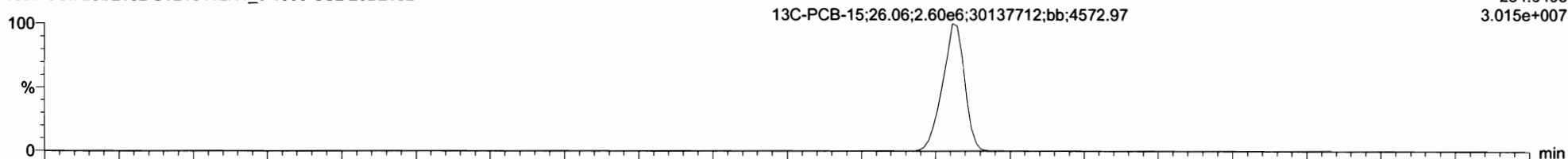
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**13C-PCB-15**

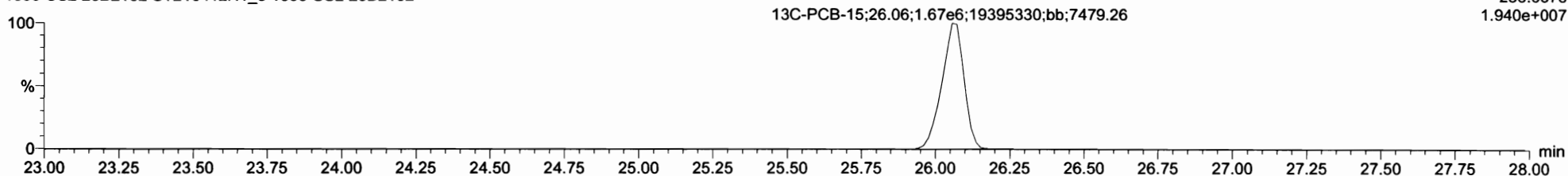
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F2:Voltage SIR,EI+  
234.0406  
3.015e+007



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

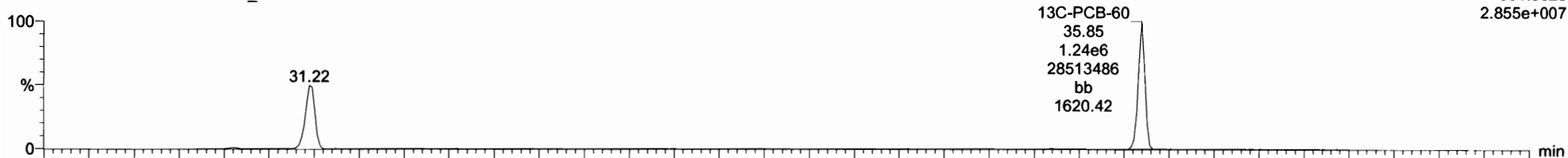
F2:Voltage SIR,EI+  
236.0376  
1.940e+007



**13C-PCB-60**

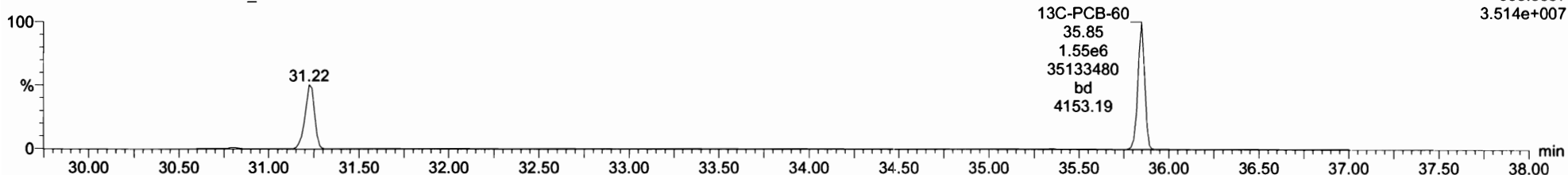
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F3:Voltage SIR,EI+  
301.9626  
2.855e+007



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F3:Voltage SIR,EI+  
303.9597  
3.514e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

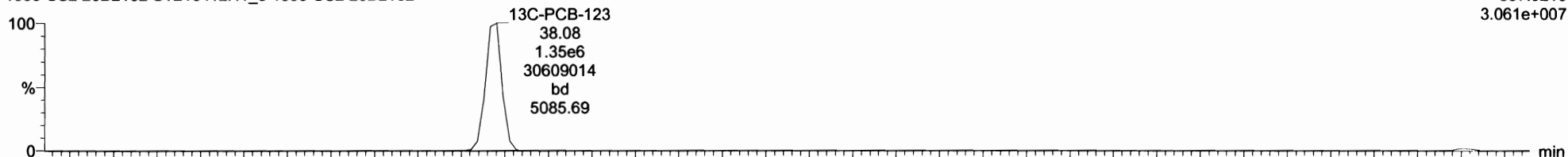
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

**13C-PCB-123**

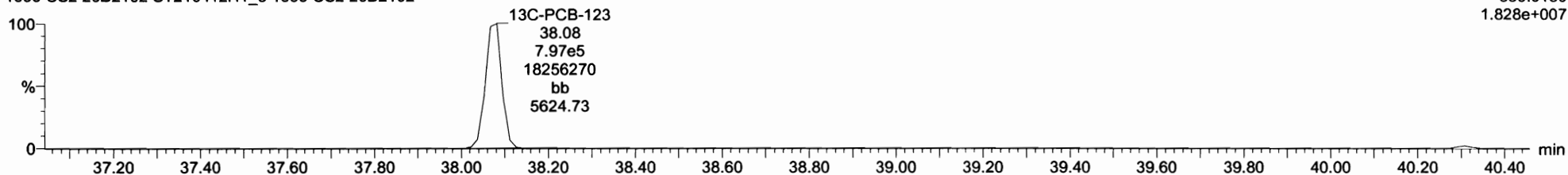
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F4:Voltage SIR,EI+  
337.9210  
3.061e+007



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

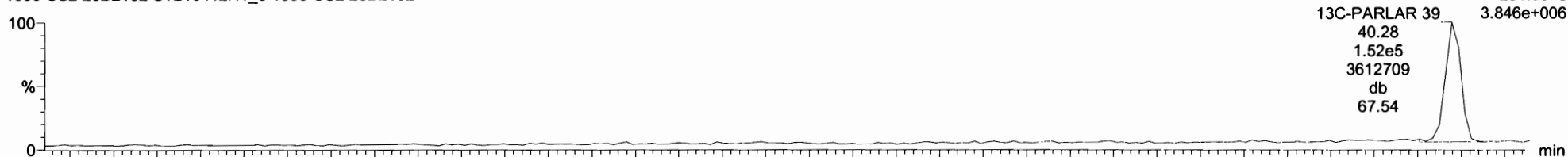
F4:Voltage SIR,EI+  
339.9180  
1.828e+007



**13C-PARLAR 39**

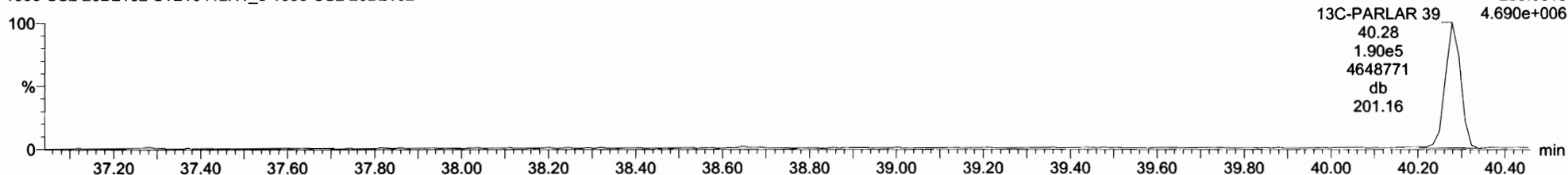
210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F4:Voltage SIR,EI+  
251.9648  
3.846e+006



210412H1\_3  
1699 CS2 20B2102 ST210412H1\_3 1699 CS2 20B2102

F4:Voltage SIR,EI+  
253.9619  
4.690e+006



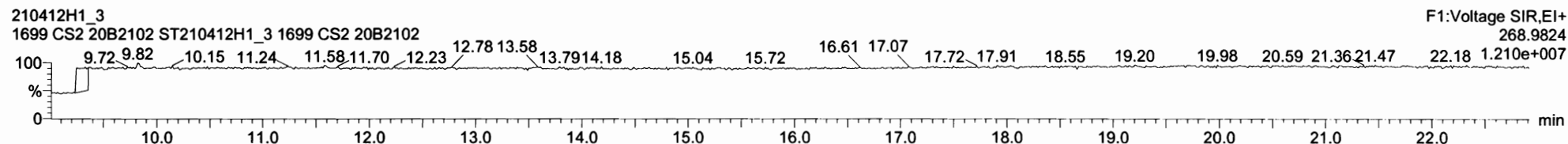
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

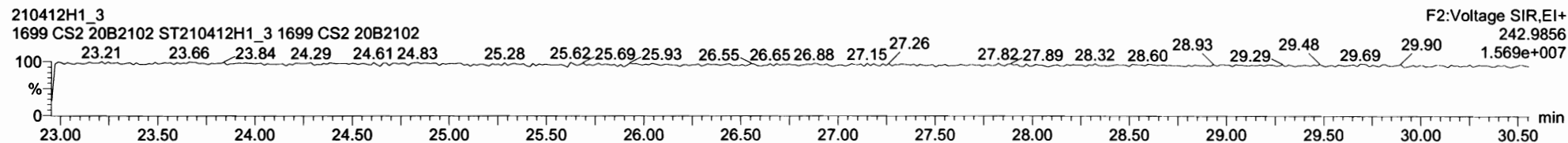
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_3, Date: 12-Apr-2021, Time: 16:39:21, ID: ST210412H1\_3 1699 CS2 20B2102, Description: 1699 CS2 20B2102

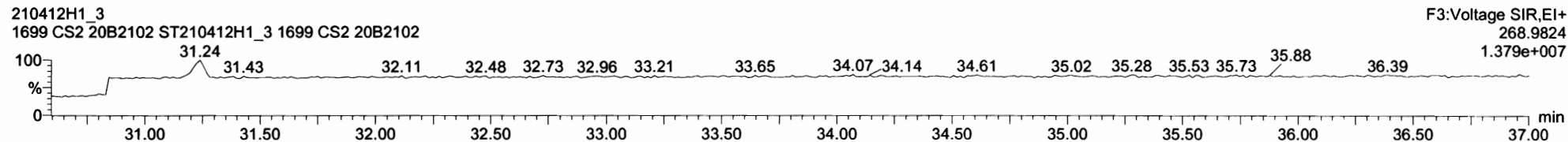
**PFK1**



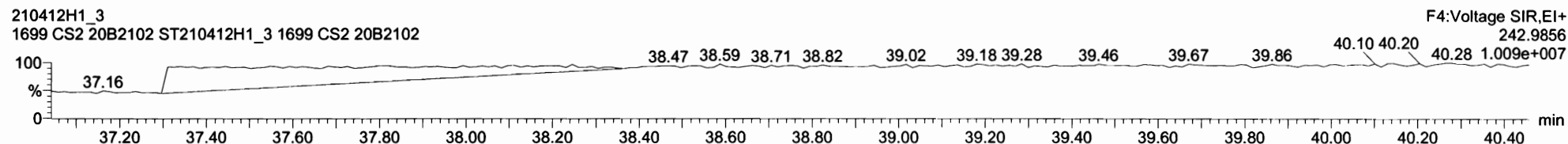
**PFK2**



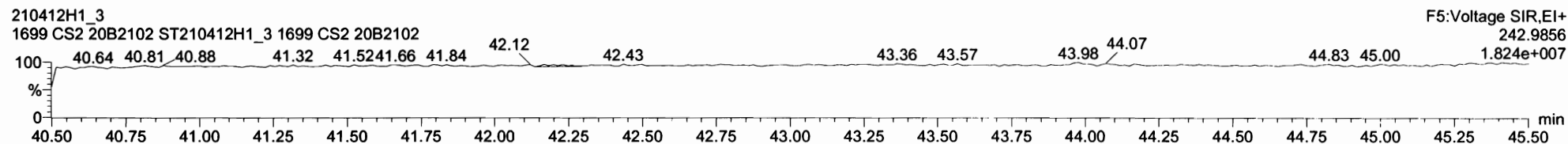
**PFK3**



**PFK4**



**PFK5**



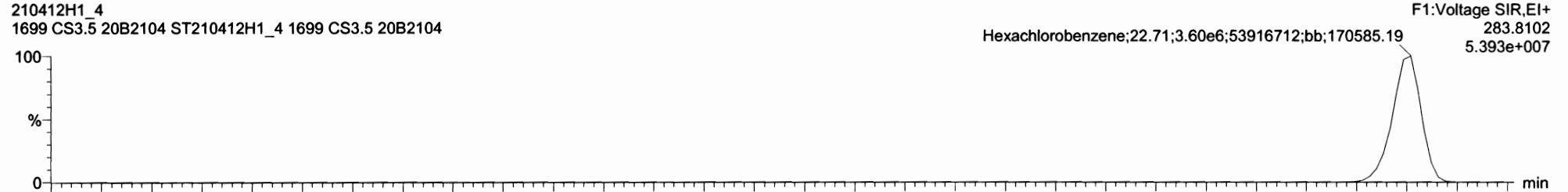
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

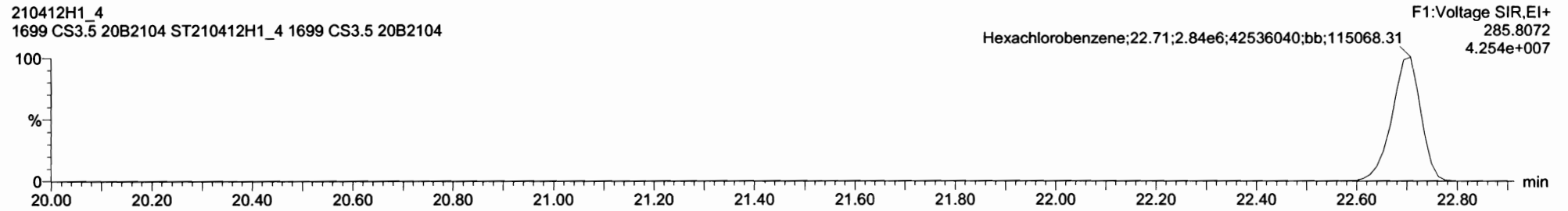
Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**Hexachlorobenzene**

210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

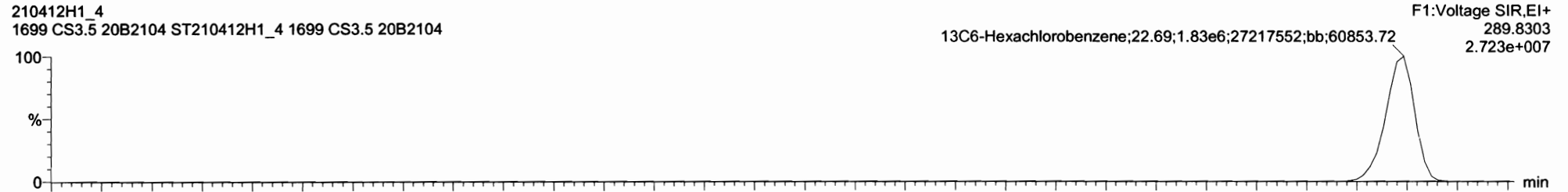


210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

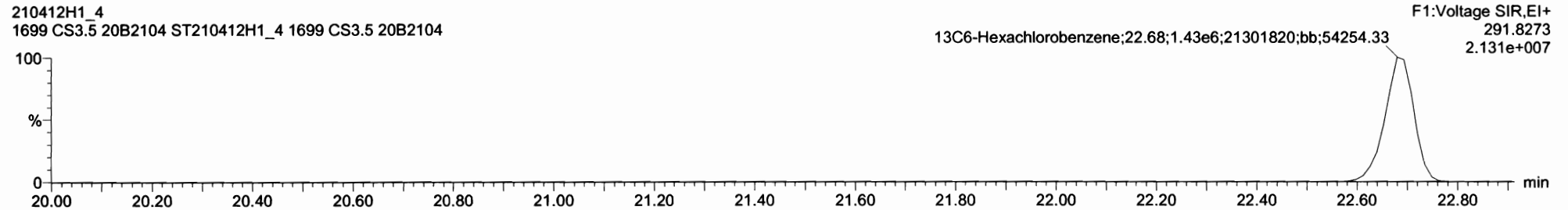


**13C6-Hexachlorobenzene**

210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104



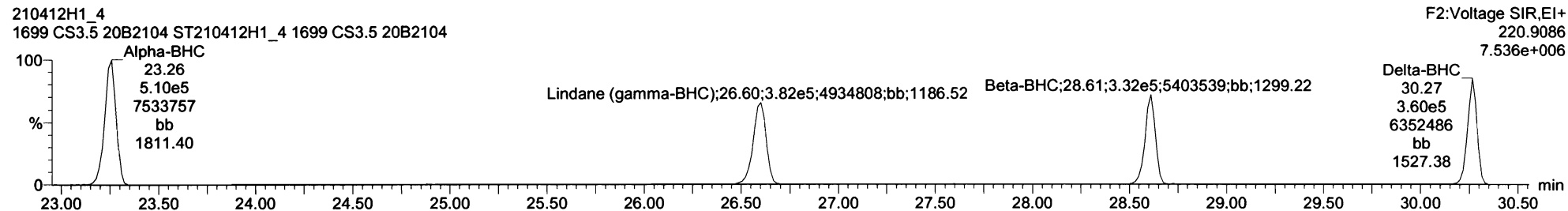
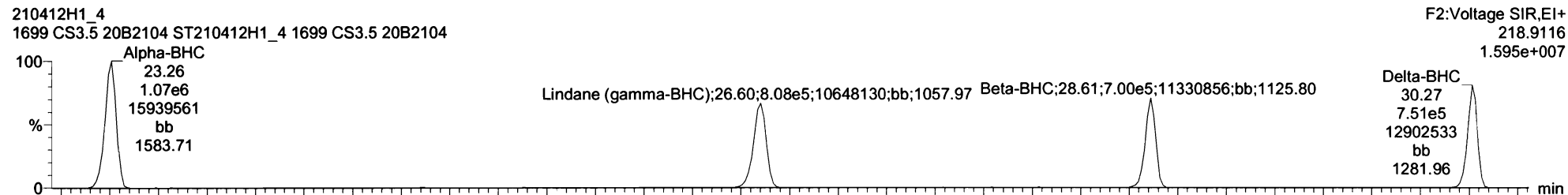
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

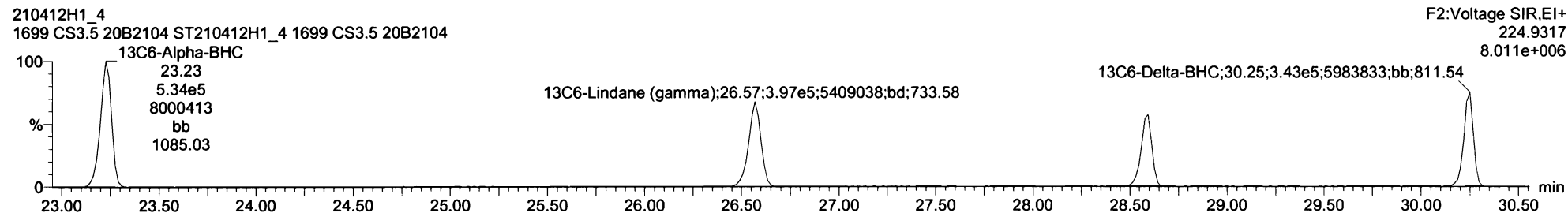
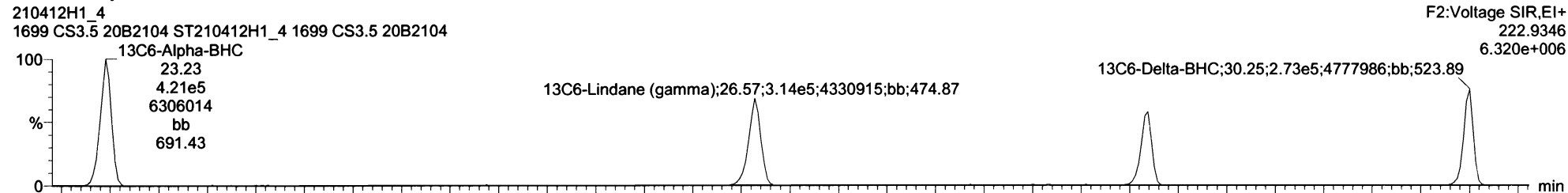
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**BHC Totals**



**BHC-isotopes**





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

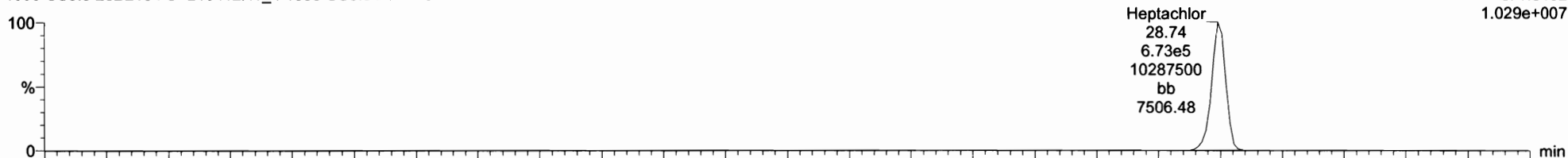
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**Heptachlor**

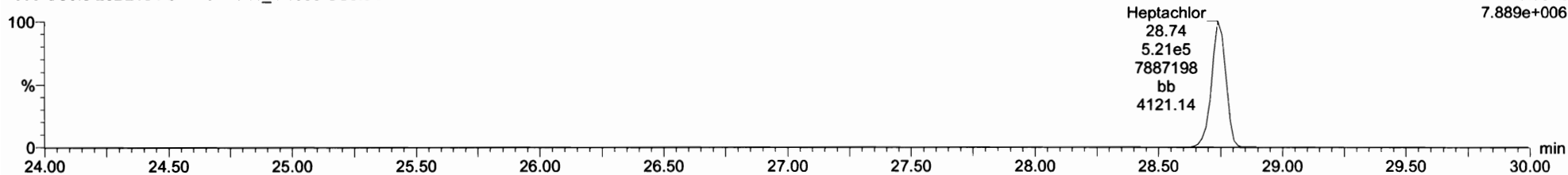
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F2:Voltage SIR,EI+  
271.8102  
1.029e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

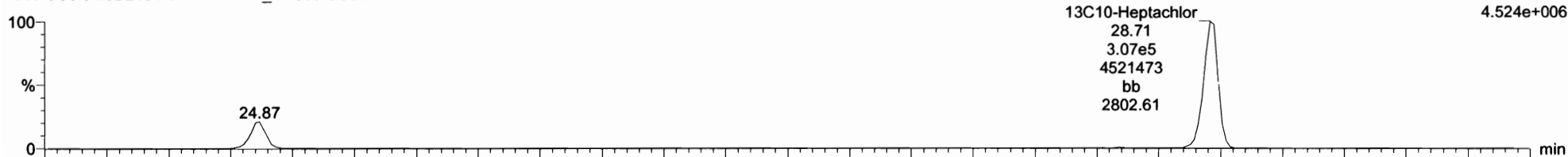
F2:Voltage SIR,EI+  
273.8072  
7.889e+006



**13C10-Heptachlor**

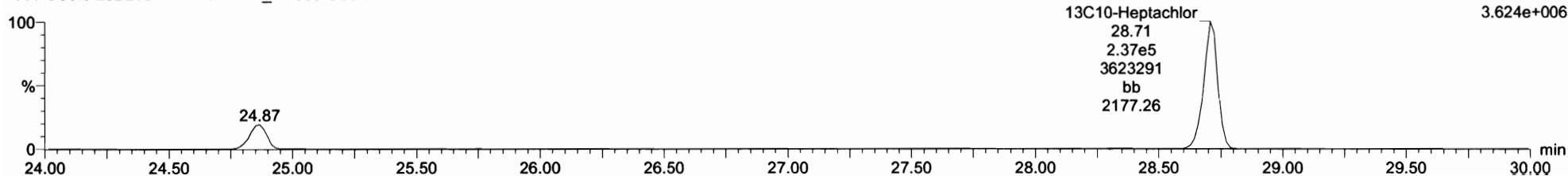
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F2:Voltage SIR,EI+  
276.8269  
4.524e+006



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F2:Voltage SIR,EI+  
278.8240  
3.624e+006

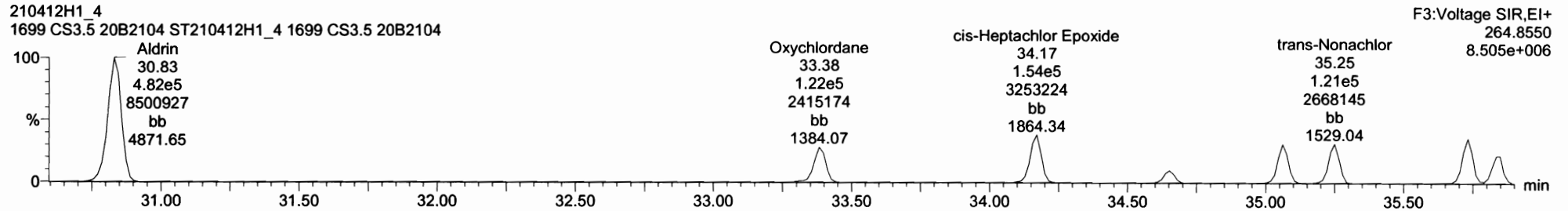
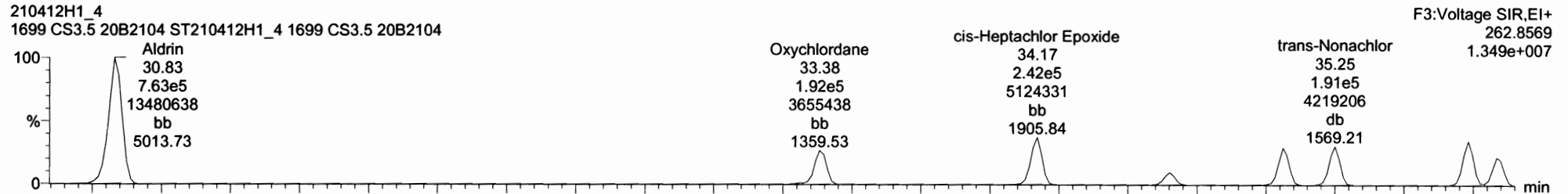


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

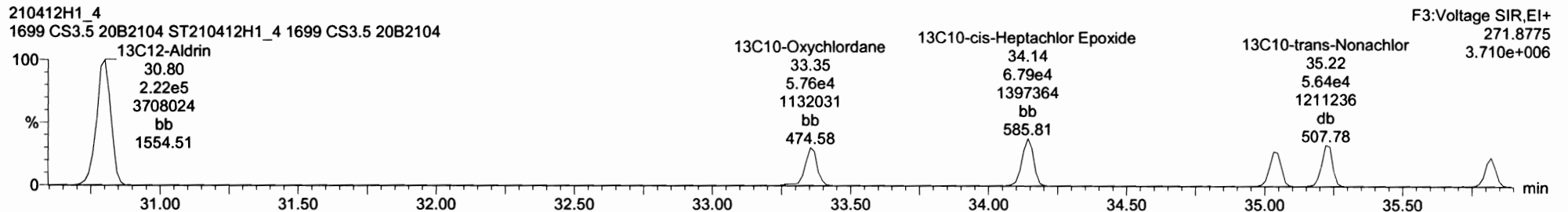
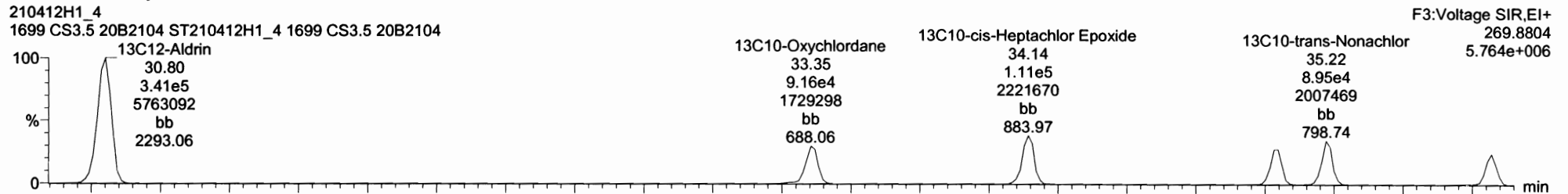
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**Aldrin-EI**



**Aldrin-EI-isotopes**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

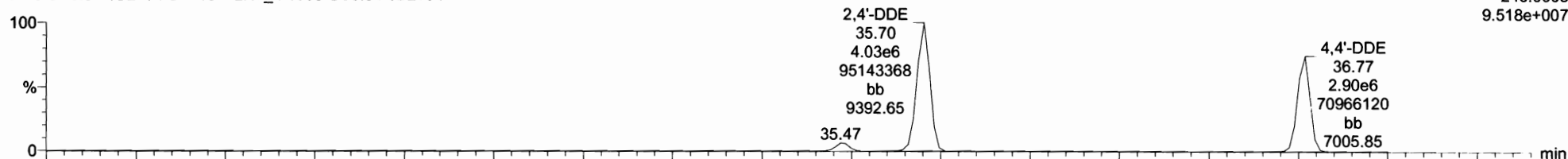
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**DDMU-DDE**

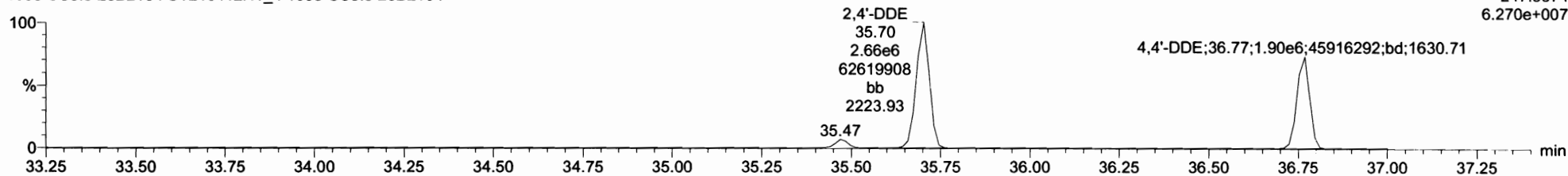
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F3:Voltage SIR,EI+  
246.0003  
9.518e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

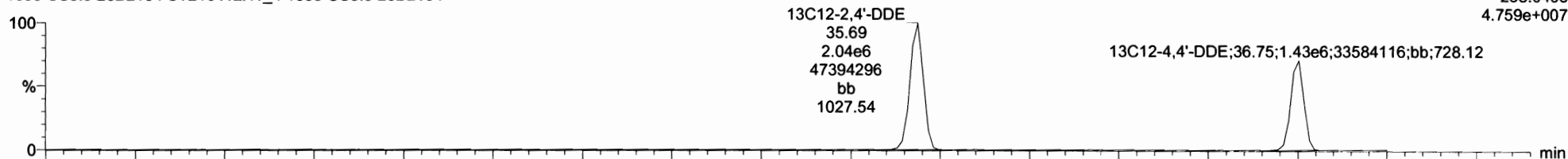
F3:Voltage SIR,EI+  
247.9974  
6.270e+007



**DDE-isotopes**

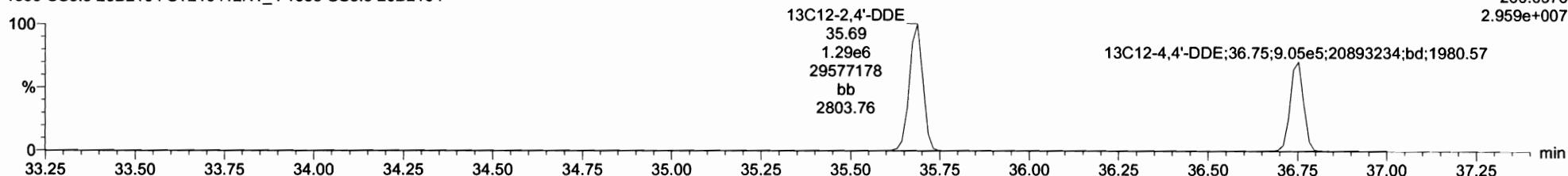
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F3:Voltage SIR,EI+  
258.0406  
4.759e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F3:Voltage SIR,EI+  
260.0376  
2.959e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

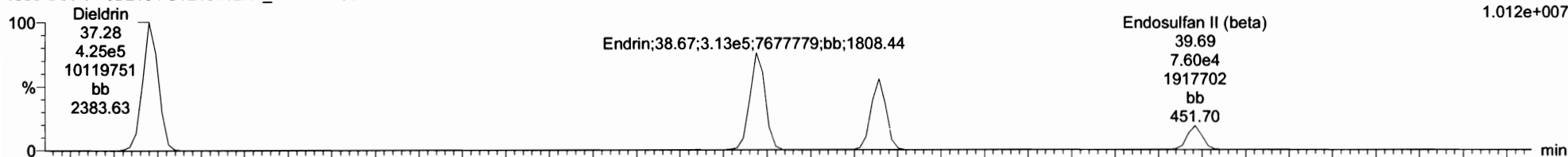
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**Dieldrin-EII**

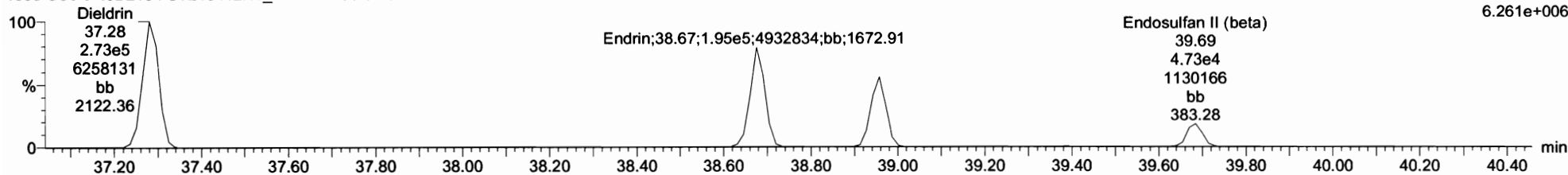
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F4:Voltage SIR,EI+  
262.8569  
1.012e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

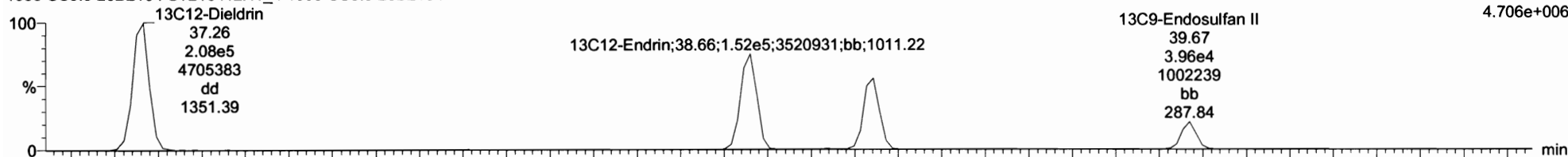
F4:Voltage SIR,EI+  
264.8550  
6.261e+006



**Dieldrin-EII-isotopes**

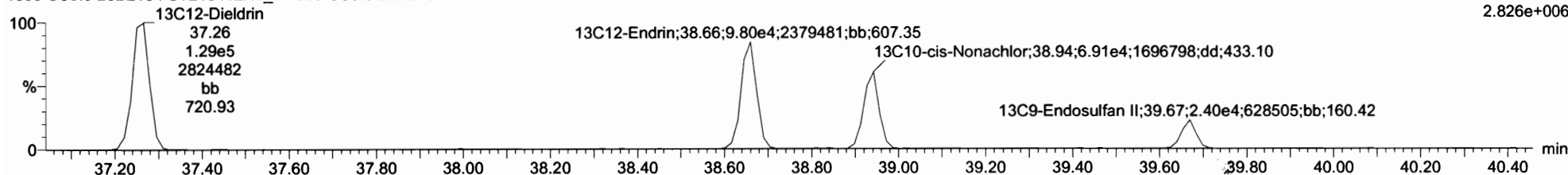
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F4:Voltage SIR,EI+  
269.8804  
4.706e+006



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F4:Voltage SIR,EI+  
271.8775  
2.826e+006



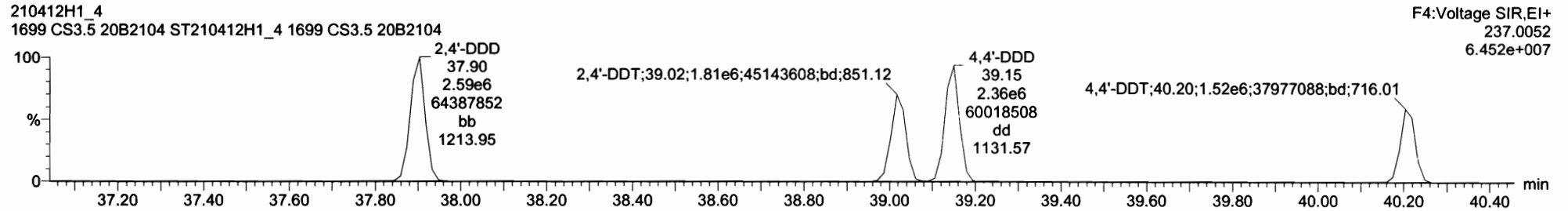
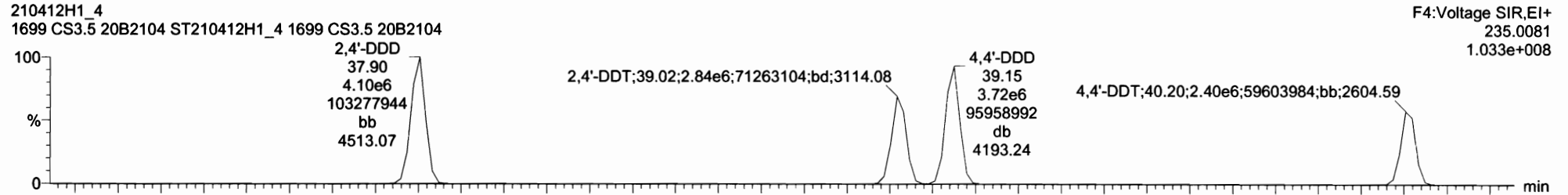
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

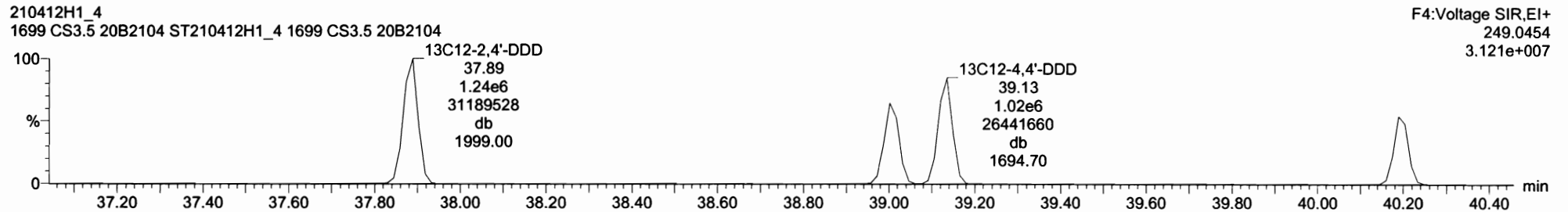
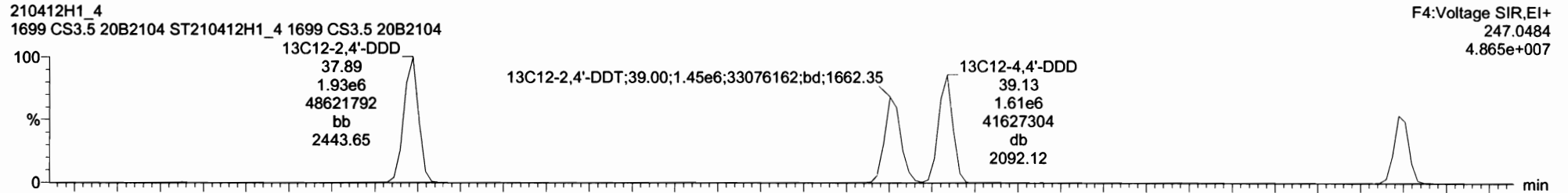
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

DDD-DDT



DDD-DDT-isotopes



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

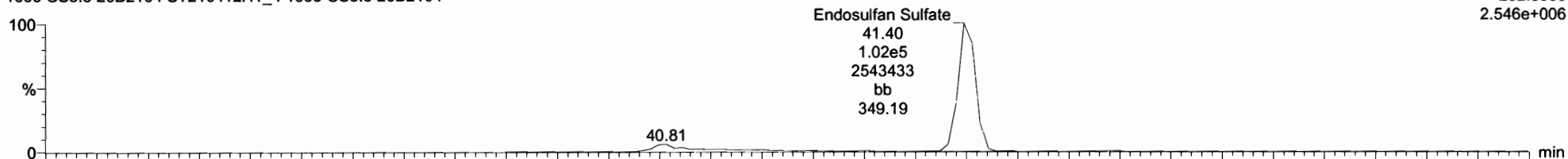
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**Endosulfan Sulfate**

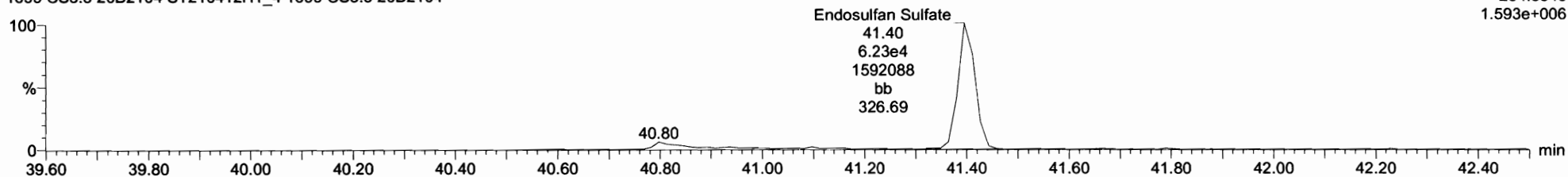
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
262.8569  
2.546e+006



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

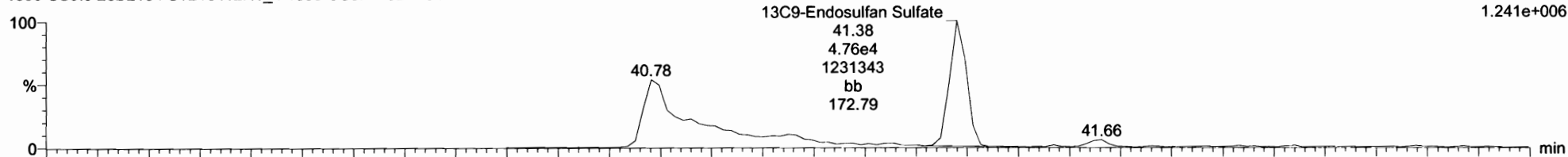
F5:Voltage SIR,EI+  
264.8540  
1.593e+006



**13C9-Endosulfan Sulfate**

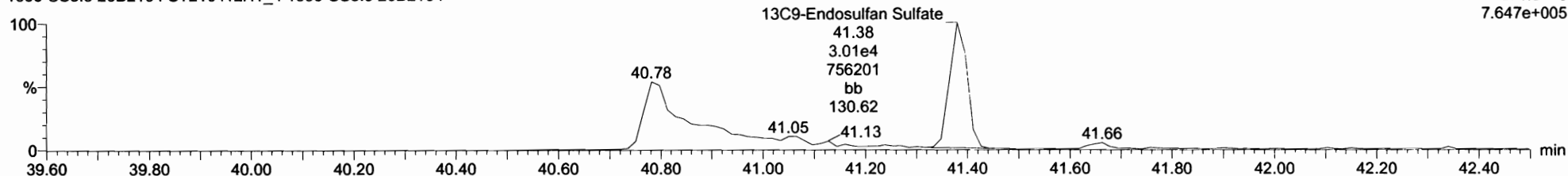
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
269.8804  
1.241e+006



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
271.8775  
7.647e+005



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

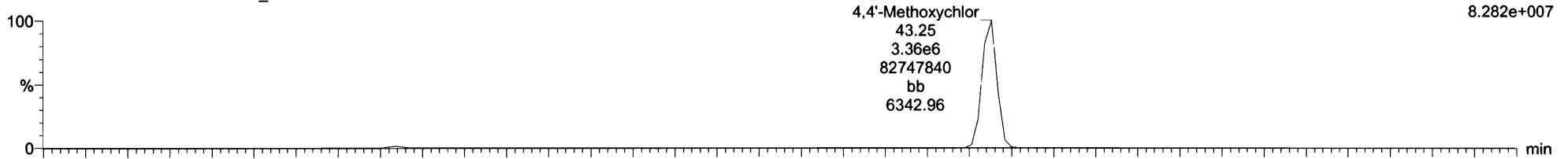
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**4,4'-Methoxychlor**

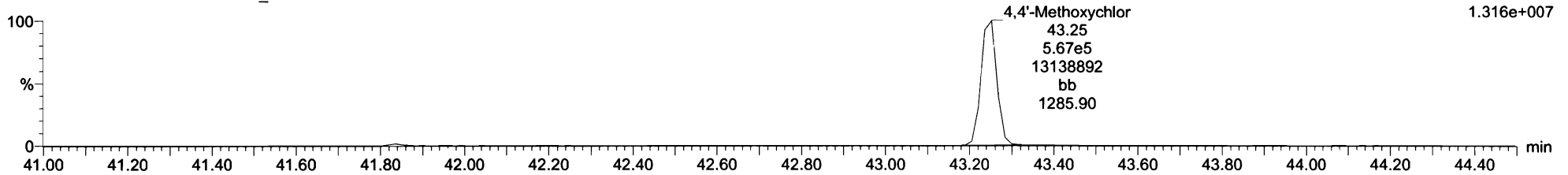
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
227.1072  
8.282e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

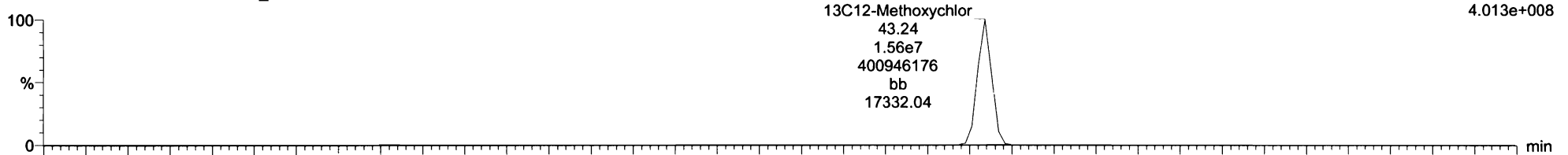
F5:Voltage SIR,EI+  
228.1106  
1.316e+007



**13C12-Methoxychlor**

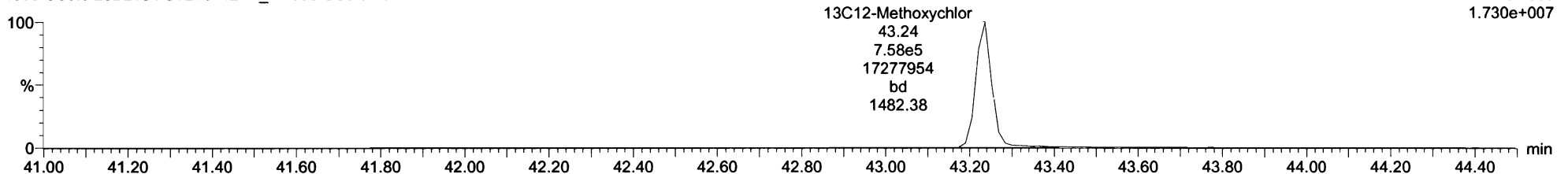
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
239.1475  
4.013e+008



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
240.1508  
1.730e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

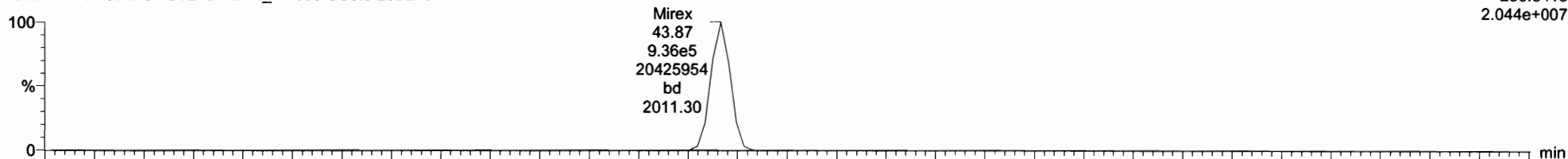
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**Mirex**

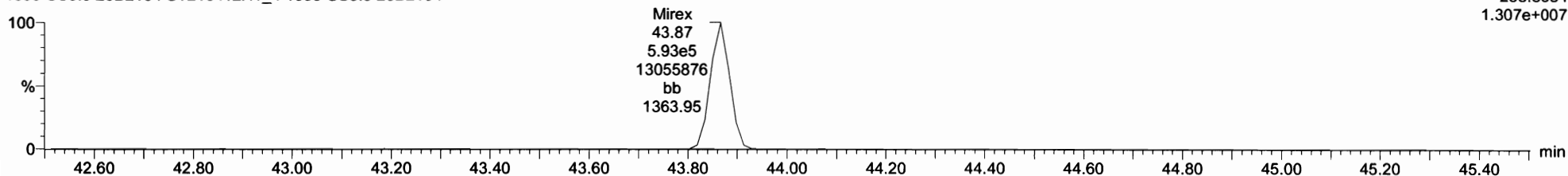
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
236.8413  
2.044e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

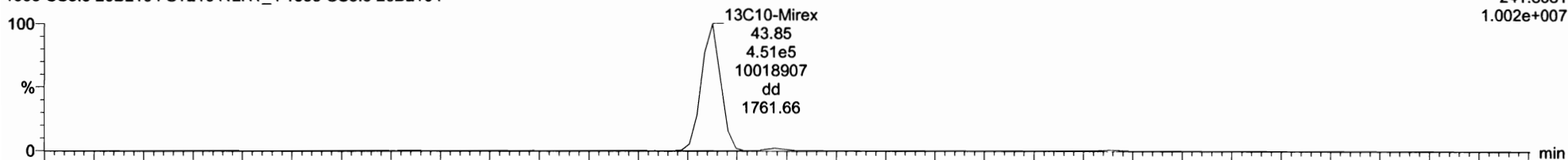
F5:Voltage SIR,EI+  
238.8384  
1.307e+007



**13C10-Mirex**

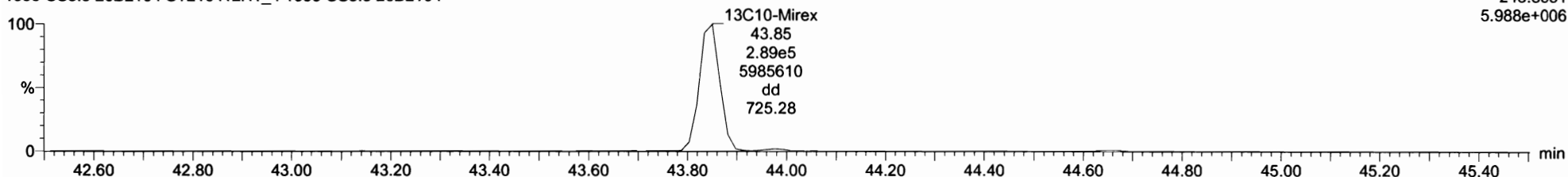
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
241.8581  
1.002e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
243.8551  
5.988e+006





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

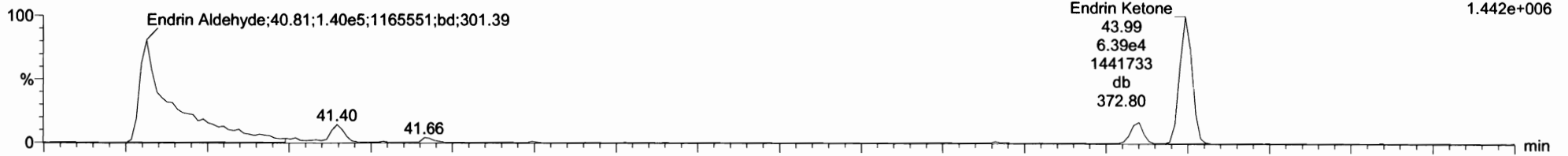
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

EA-EK

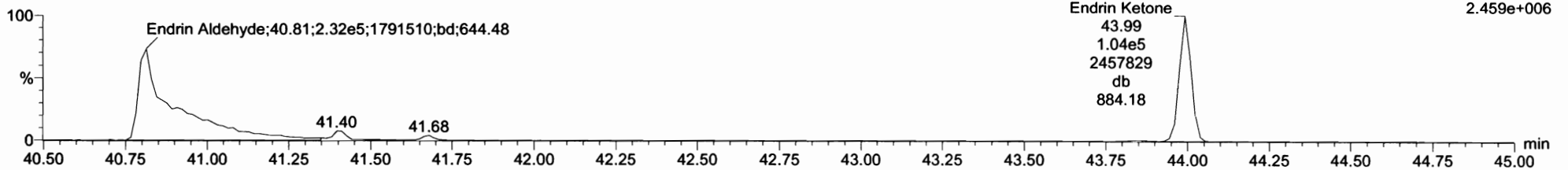
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
247.8521  
1.442e+006



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

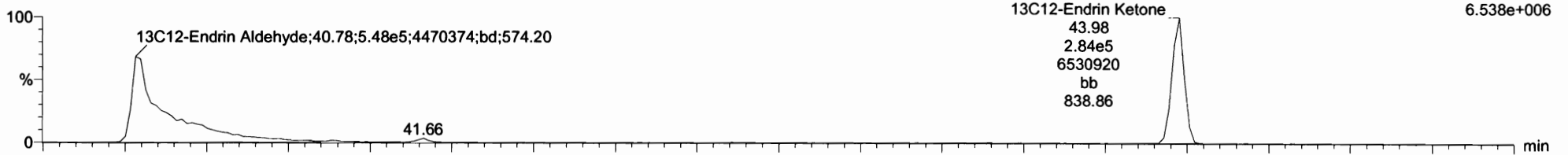
F5:Voltage SIR,EI+  
249.8491  
2.459e+006



EA-EK-isotopes

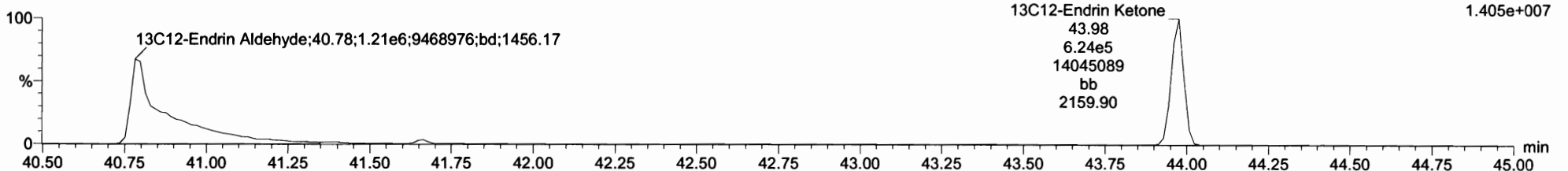
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
253.8722  
6.538e+006

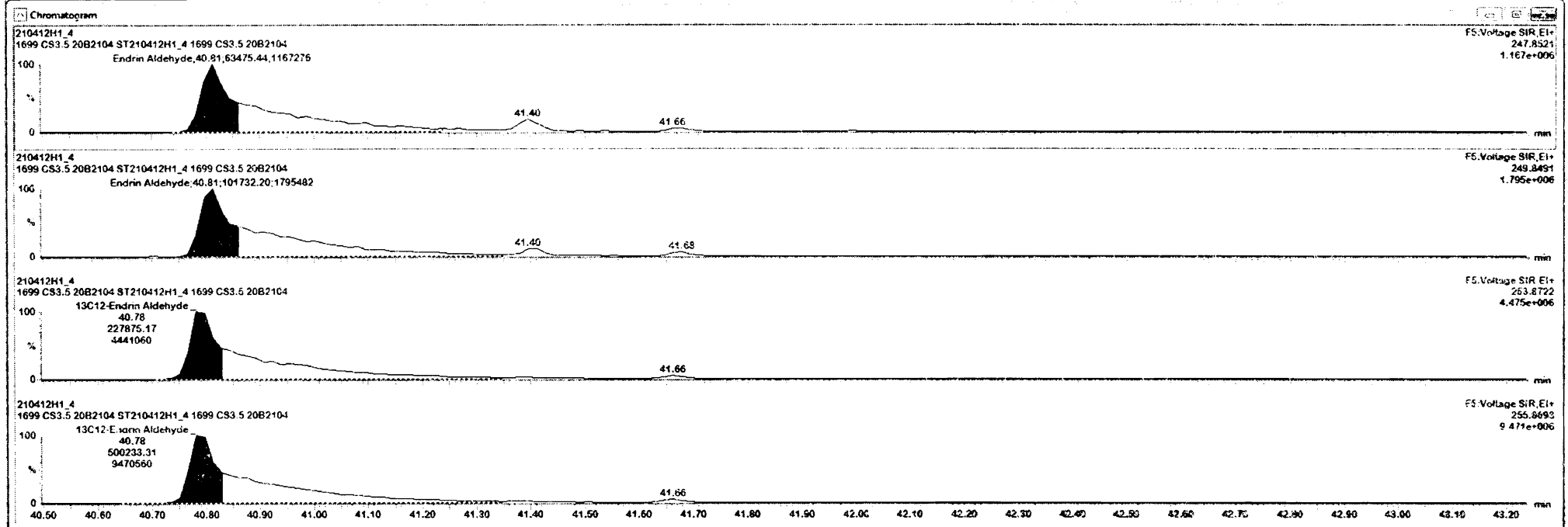


210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F5:Voltage SIR,EI+  
255.8693  
1.405e+007



No.	Name	RT	RS	y.n	Area	IS Area	Std. Conc.	%Dev	%RSD	RRF M	RRF SD
31	31 Endrin Aldehyde	40.81	0.624	NO	1.6521e5	7.2811e5	100.000	10.5	10.7	1.02	0.110
32	32 Endrin Ketone	40.95	0.515	NO	1.5823e5	9.0794e5	100.000	-0.1	4.55	0.925	0.0412
33	33 13C4-Hexachlorobutadiene	3.52	1.275	NO	6.4520e5	3.7698e5	50.000	6.2	25.1	0.160	0.0467
34	34 13C5-Hexachlorobenzene	22.65	1.280	NO	1.7544e5	3.7698e5	50.000	-0.5	1.30	0.967	0.0119
35	35 13C6-Alpha-BHC	27.25	0.769	NO	5.5457e5	3.7698e5	50.000	-2.1	1.40	0.255	0.0594
36	36 13C8-Lindane (gamma)	28.57	0.752	NO	7.1108e5	3.7698e5	50.000	-0.1	3.91	0.194	0.00755
37	37 13C8-Beta-BHC	28.59	0.861	NO	4.2393e5	3.7698e5	50.000	-2.9	5.97	0.144	0.00115
38	38 13C6-Delta-BHC	30.25	0.767	NO	6.1855e5	3.7698e5	50.000	-0.1	7.65	0.183	0.0102
39	39 13C10-Heptachlor	28.71	1.267	NO	5.4457e5	3.7698e5	50.000	-1.1	6.83	0.142	0.0101
40	40 13C12-Endrin	35.80	1.523	NO	5.6220e5	3.7698e5	50.000	-0.5	2.96	0.154	0.00409
41	41 13C10-Gamma-chlorane	37.35	1.562	NO	1.4518e5	3.7698e5	50.000	-2.9	5.24	0.0404	0.00333
42	42 13C10-Delta-Heptachlor Eoo	34.14	1.632	NO	1.7847e5	3.7698e5	50.000	-4.1	6.66	0.0497	0.00329



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

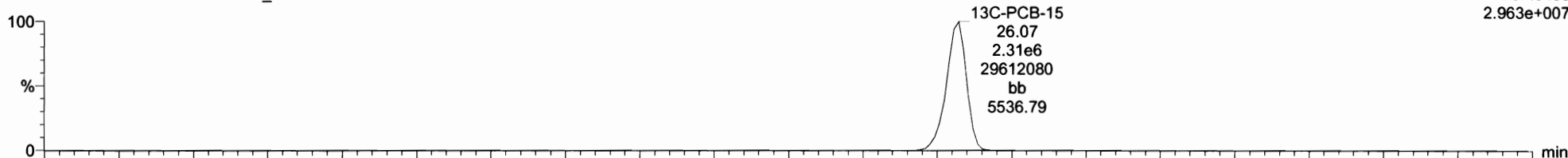
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**13C-PCB-15**

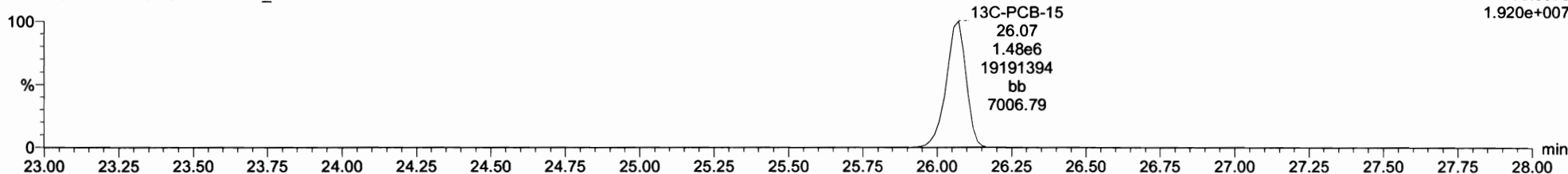
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F2:Voltage SIR,EI+  
234.0406  
2.963e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

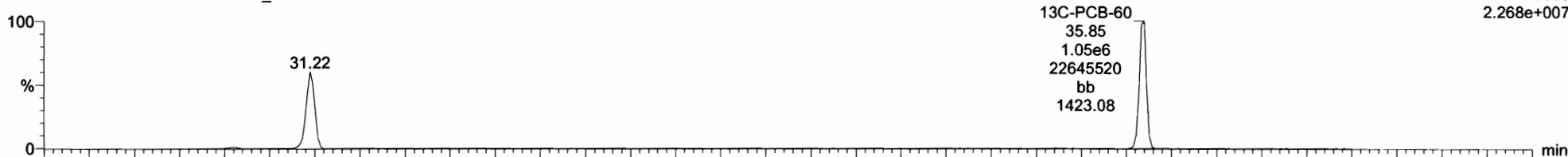
F2:Voltage SIR,EI+  
236.0376  
1.920e+007



**13C-PCB-60**

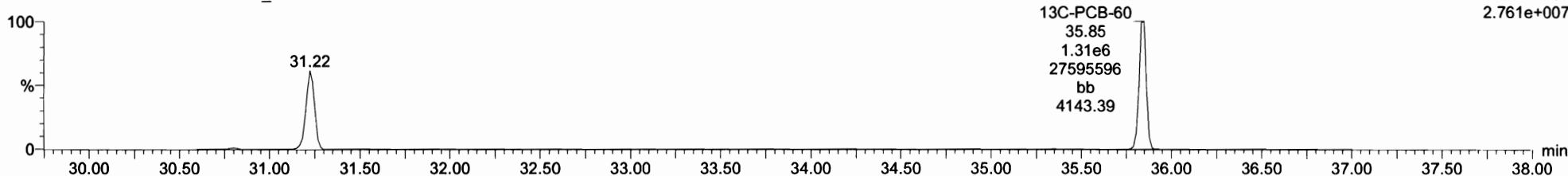
210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F3:Voltage SIR,EI+  
301.9626  
2.268e+007



210412H1\_4  
1699 CS3.5 20B2104 ST210412H1\_4 1699 CS3.5 20B2104

F3:Voltage SIR,EI+  
303.9597  
2.761e+007



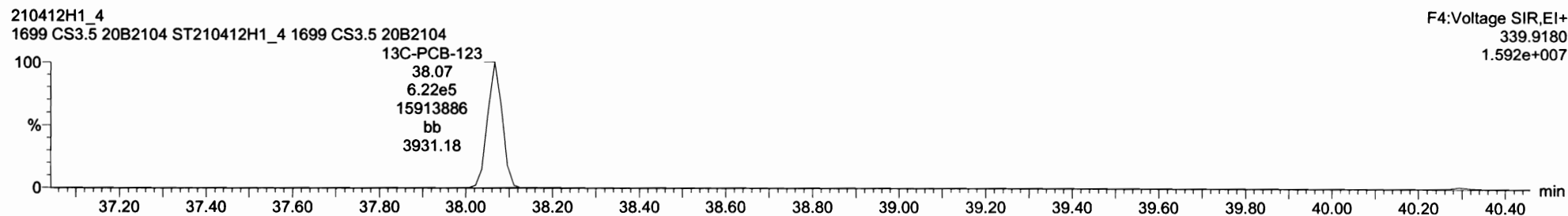
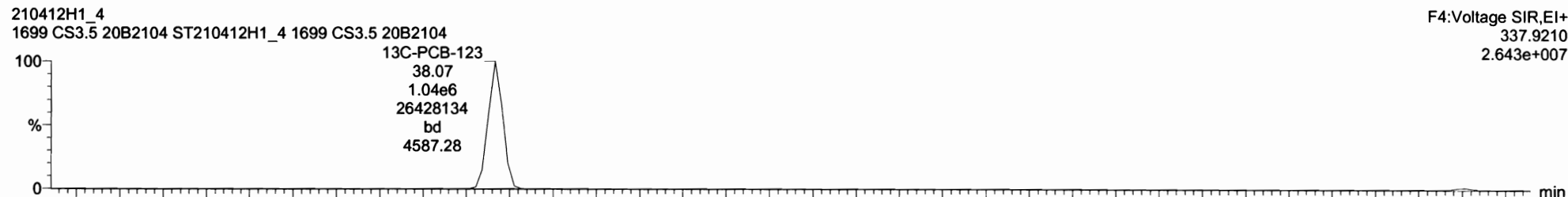
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

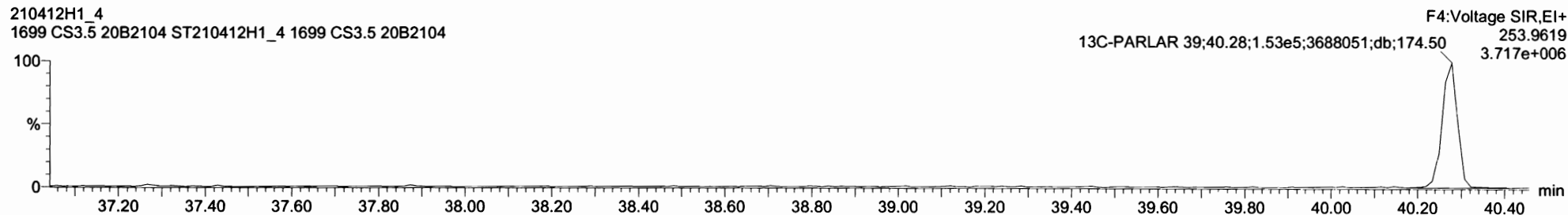
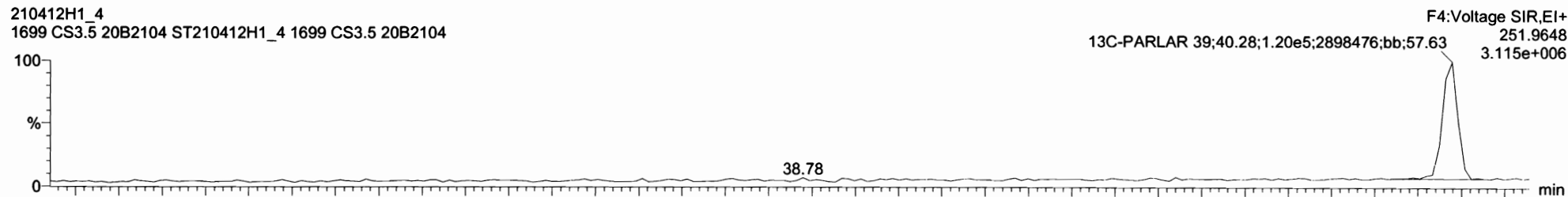
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

**13C-PCB-123**



**13C-PARLAR 39**



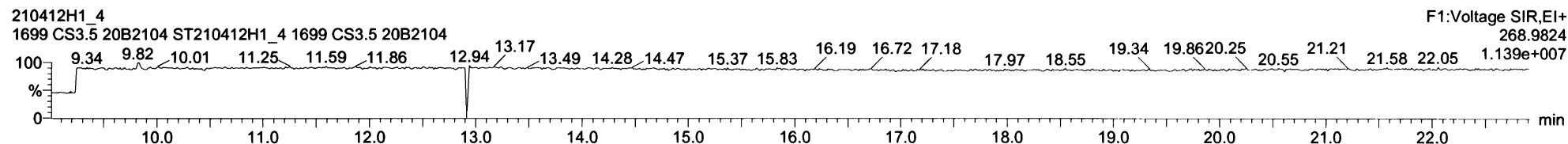
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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

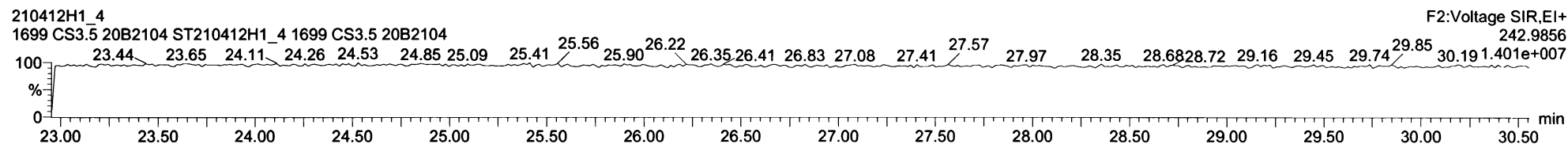
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_4, Date: 12-Apr-2021, Time: 17:26:09, ID: ST210412H1\_4 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

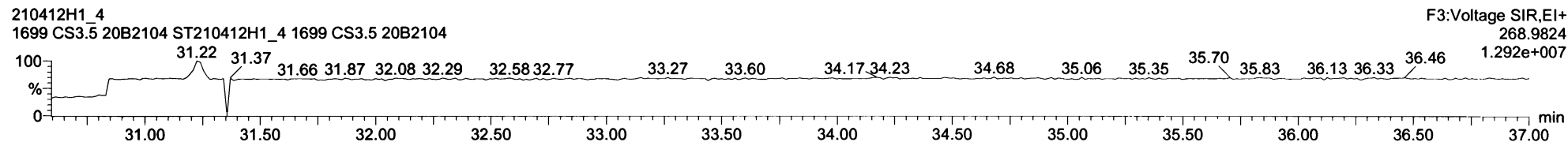
**PFK1**



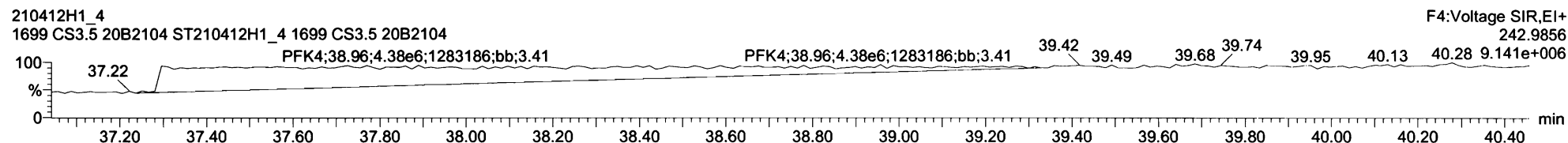
**PFK2**



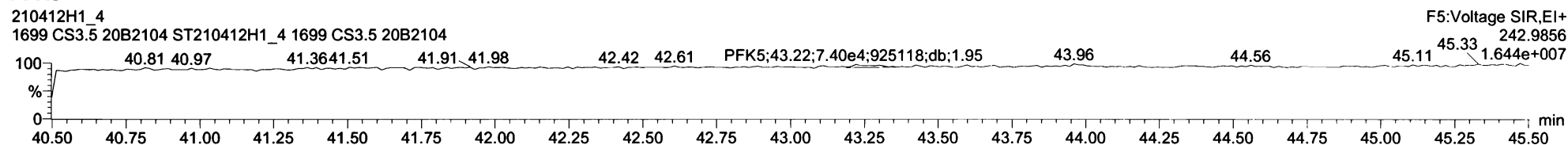
**PFK3**



**PFK4**



**PFK5**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

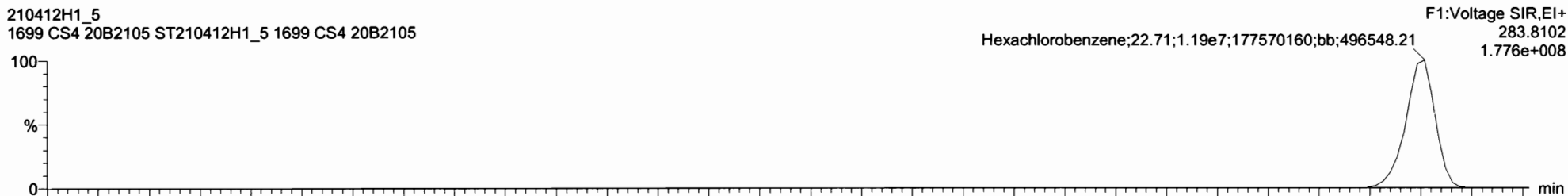
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

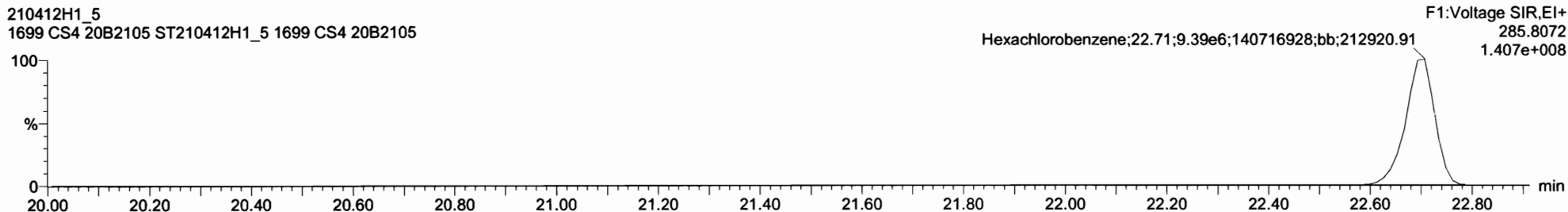
Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**Hexachlorobenzene**

210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

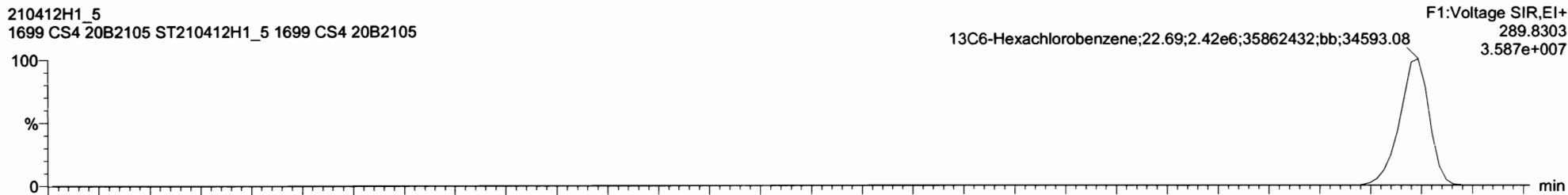


210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

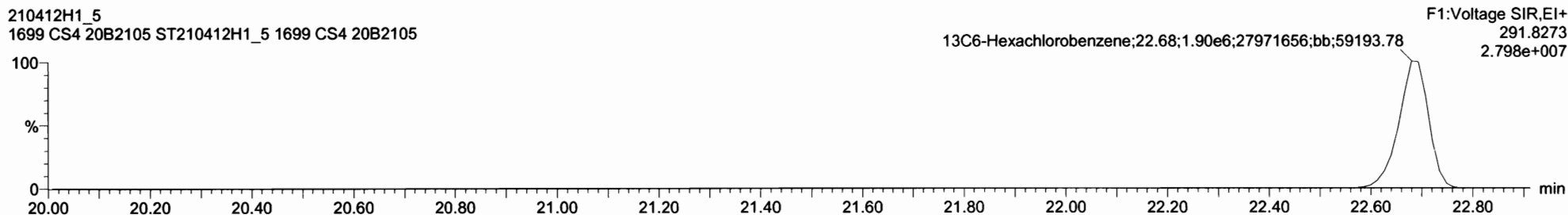


**13C6-Hexachlorobenzene**

210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

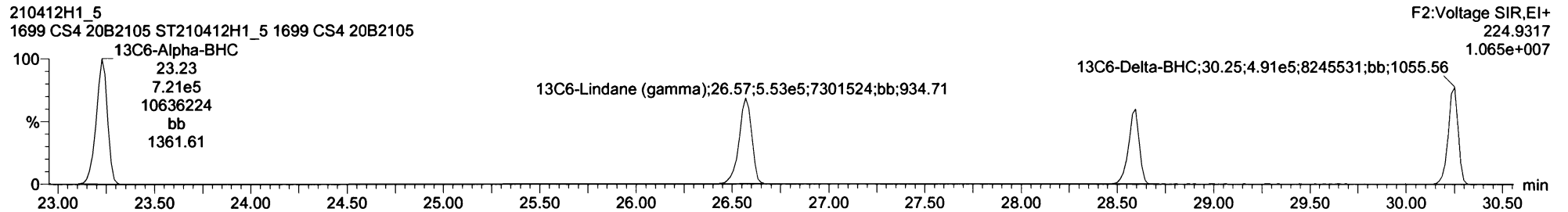
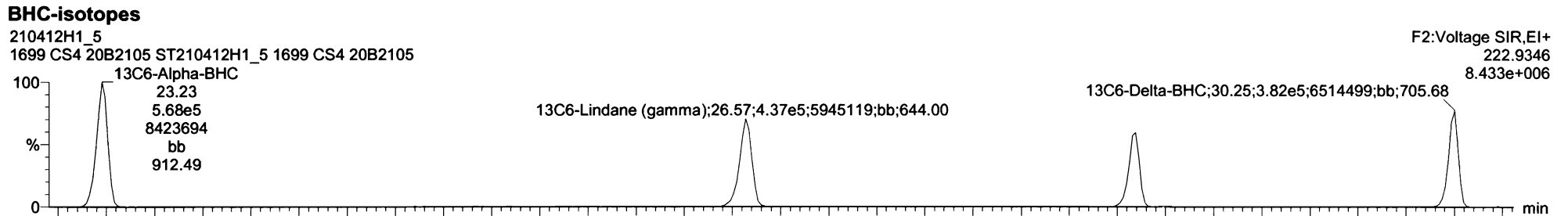
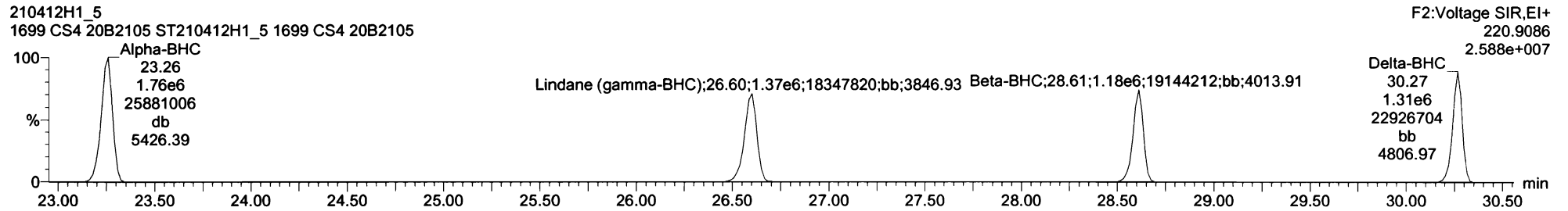
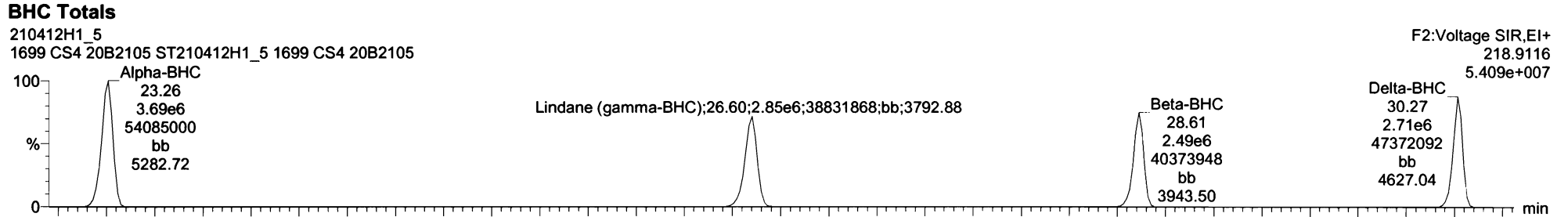


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

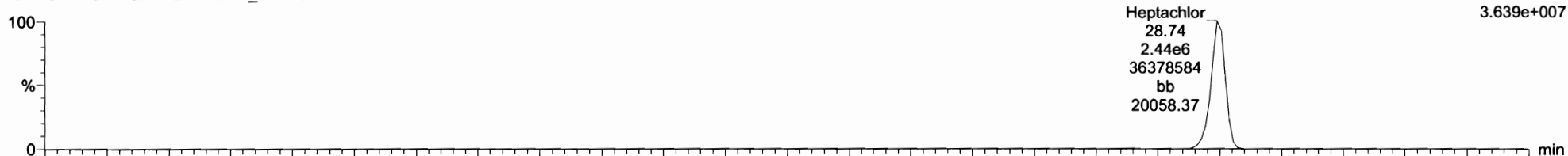
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**Heptachlor**

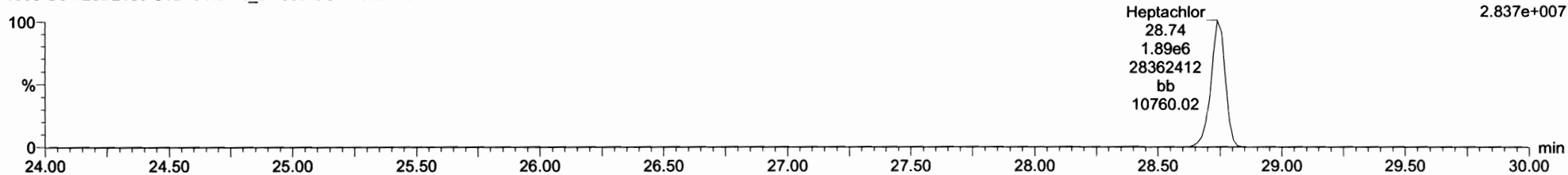
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F2:Voltage SIR,EI+  
271.8102  
3.639e+007



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

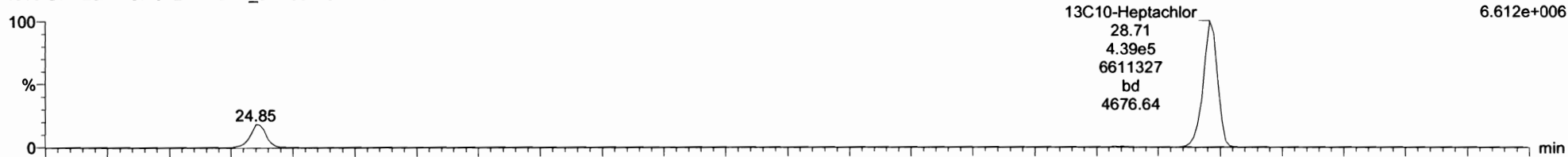
F2:Voltage SIR,EI+  
273.8072  
2.837e+007



**13C10-Heptachlor**

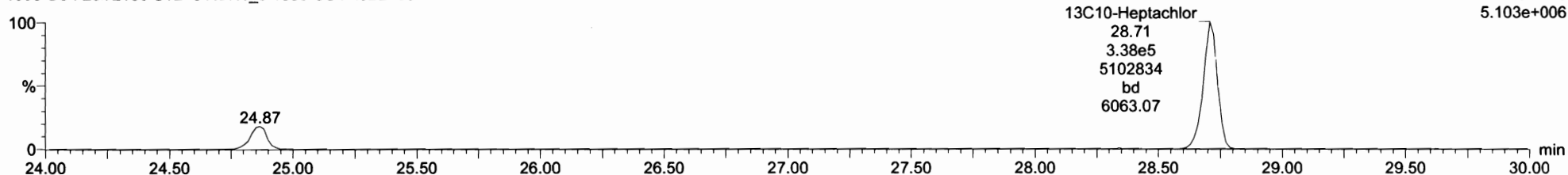
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F2:Voltage SIR,EI+  
276.8269  
6.612e+006



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F2:Voltage SIR,EI+  
278.8240  
5.103e+006





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

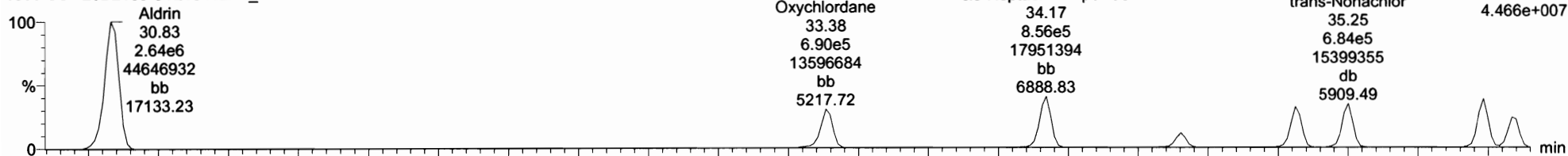
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

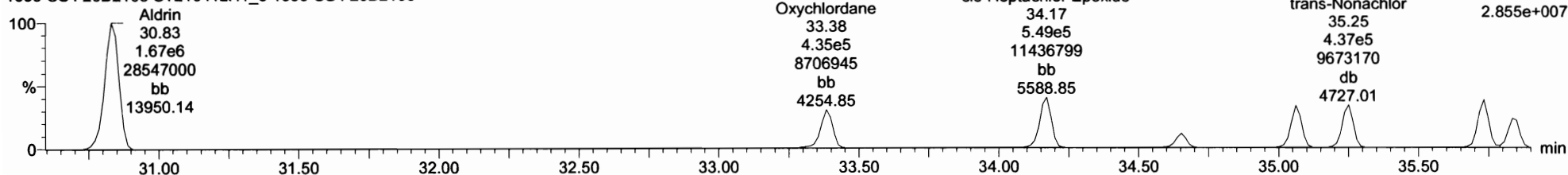
Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**Aldrin-EI**

210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

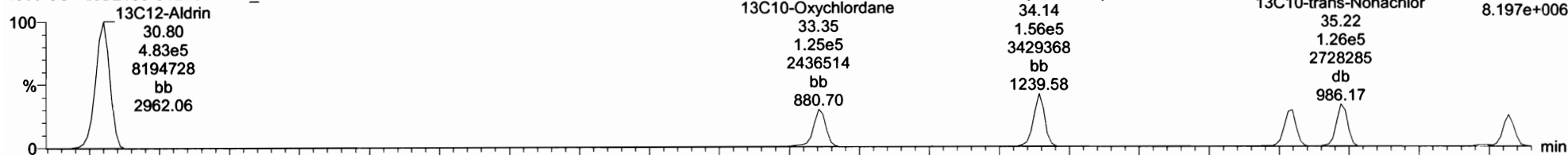


210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

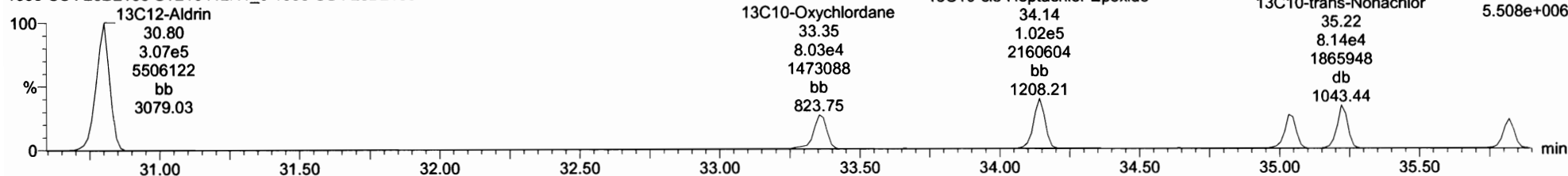


**Aldrin-EI-isotopes**

210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

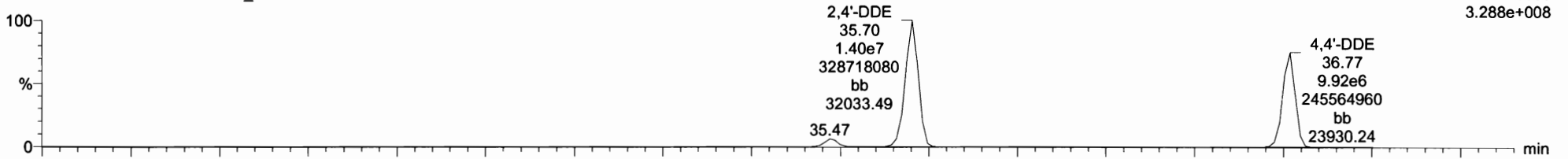
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**DDMU-DDE**

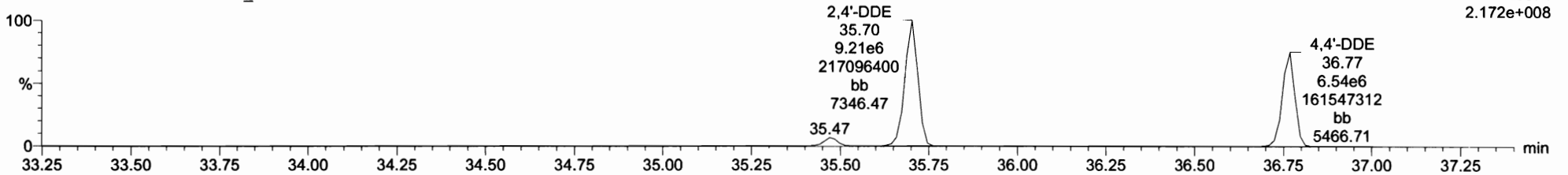
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F3:Voltage SIR,EI+  
246.0003  
3.288e+008



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

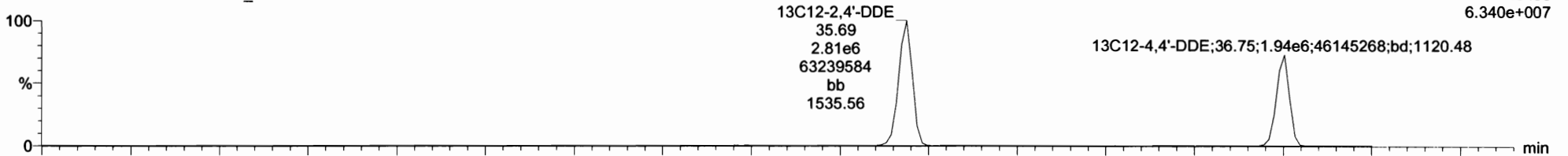
F3:Voltage SIR,EI+  
247.9974  
2.172e+008



**DDE-isotopes**

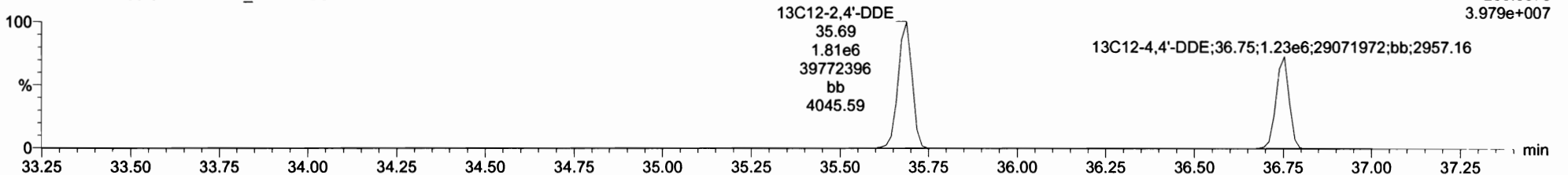
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F3:Voltage SIR,EI+  
258.0406  
6.340e+007



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F3:Voltage SIR,EI+  
260.0376  
3.979e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

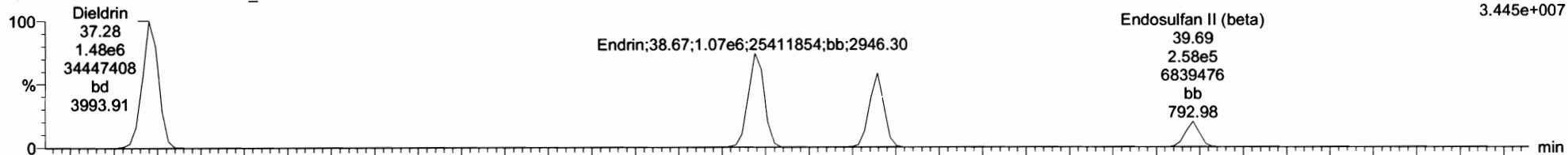
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**Dieldrin-EII**

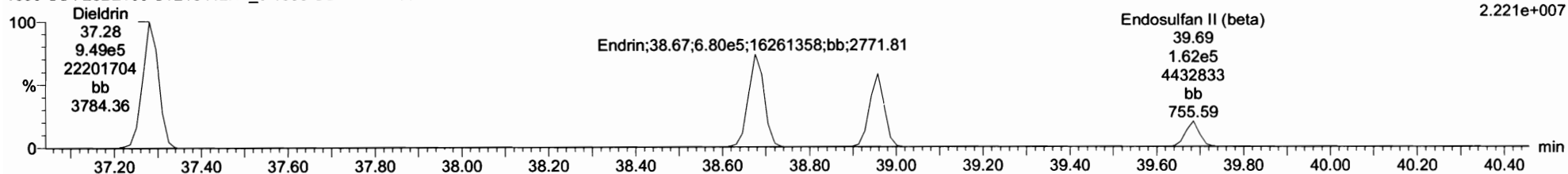
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F4:Voltage SIR,EI+  
262.8569  
3.445e+007



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

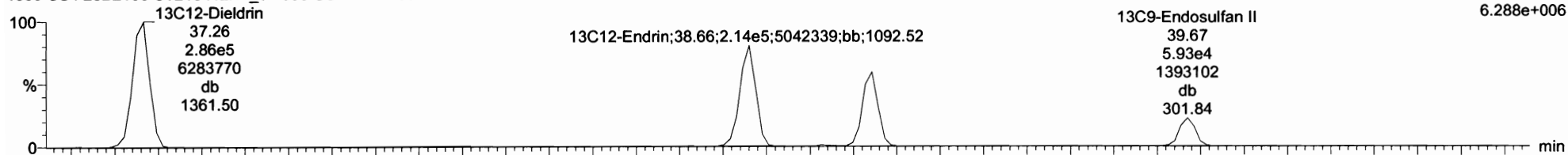
F4:Voltage SIR,EI+  
264.8550  
2.221e+007



**Dieldrin-EII-isotopes**

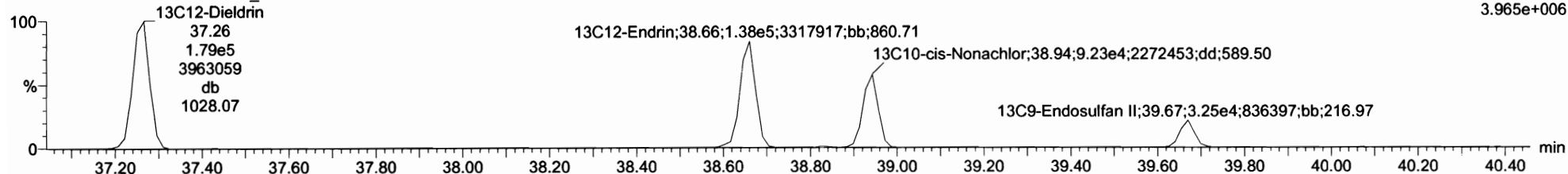
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F4:Voltage SIR,EI+  
269.8804  
6.288e+006



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F4:Voltage SIR,EI+  
271.8775  
3.965e+006

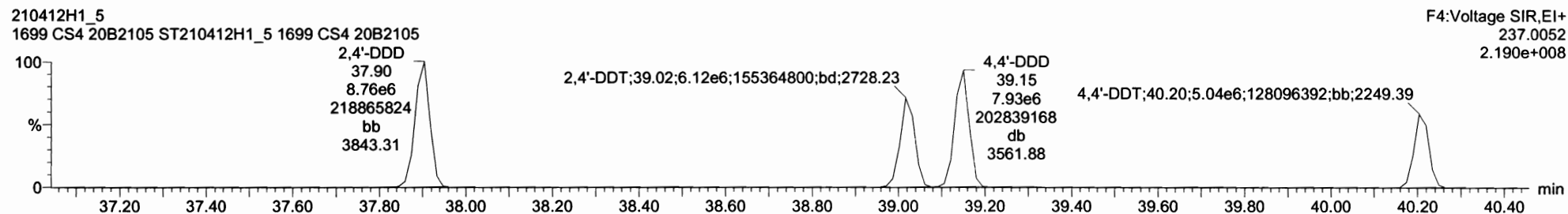
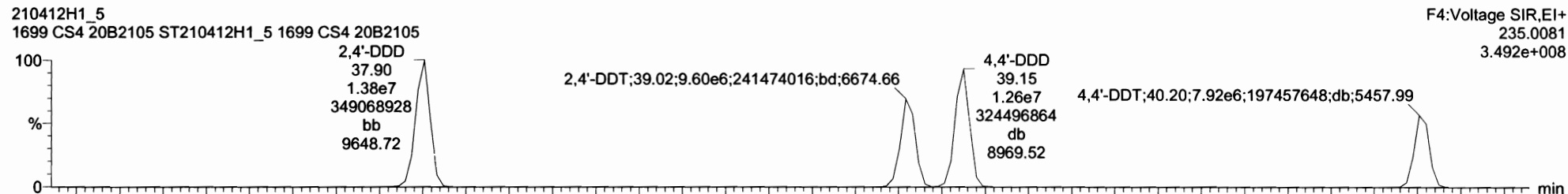


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

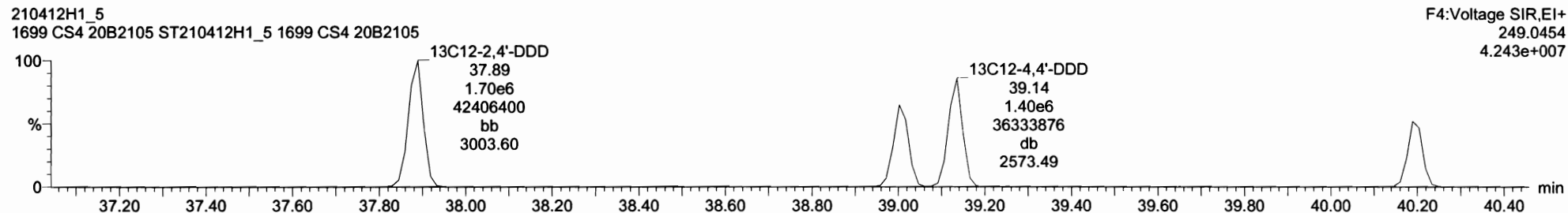
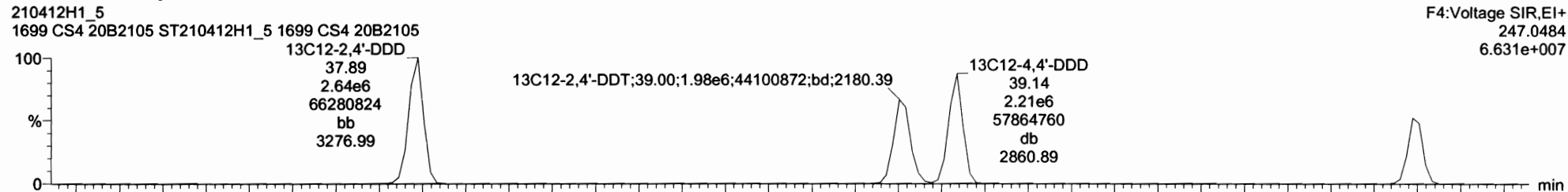
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

DDD-DDT



DDD-DDT-isotopes



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

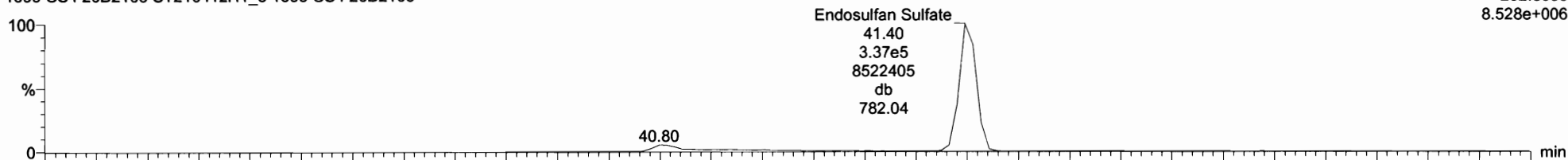
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**Endosulfan Sulfate**

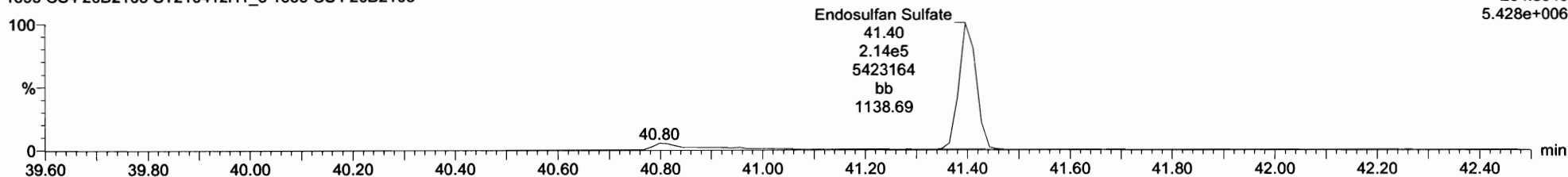
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
262.8569  
8.528e+006



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

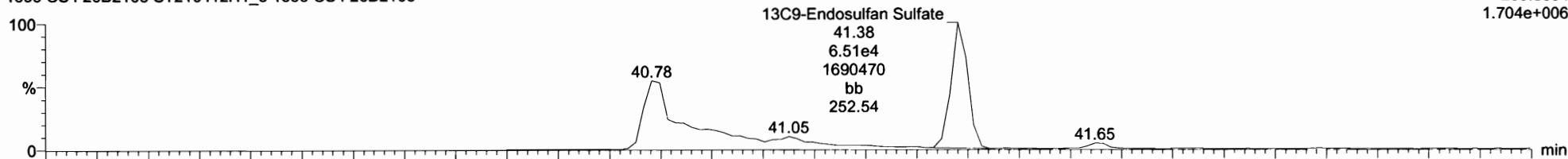
F5:Voltage SIR,EI+  
264.8540  
5.428e+006



**13C9-Endosulfan Sulfate**

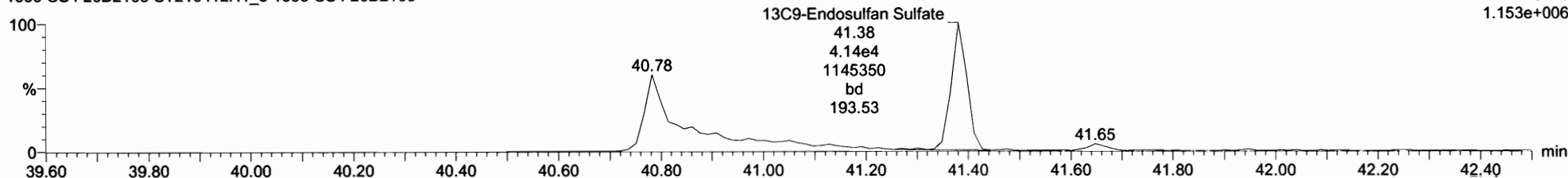
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
269.8804  
1.704e+006



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
271.8775  
1.153e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

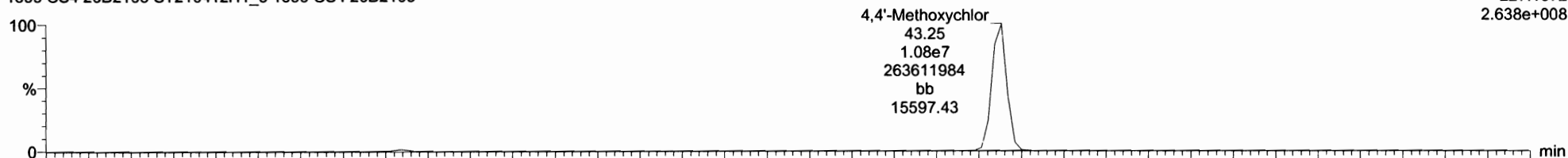
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**4,4'-Methoxychlor**

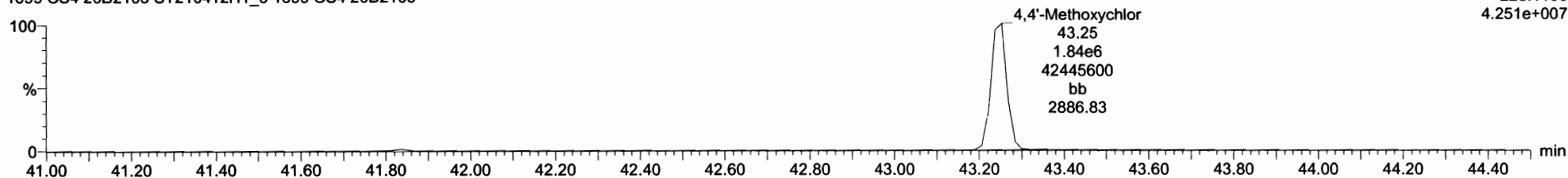
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
227.1072  
2.638e+008



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

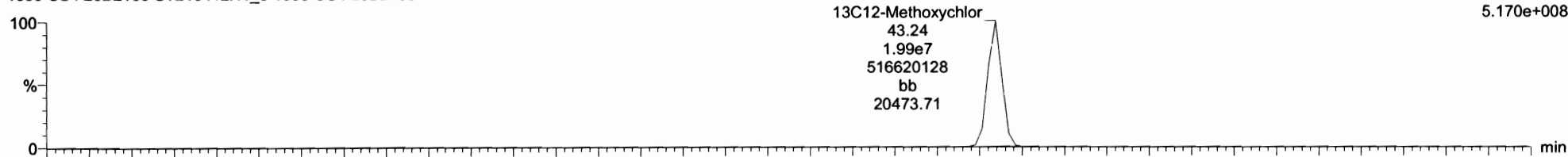
F5:Voltage SIR,EI+  
228.1106  
4.251e+007



**13C12-Methoxychlor**

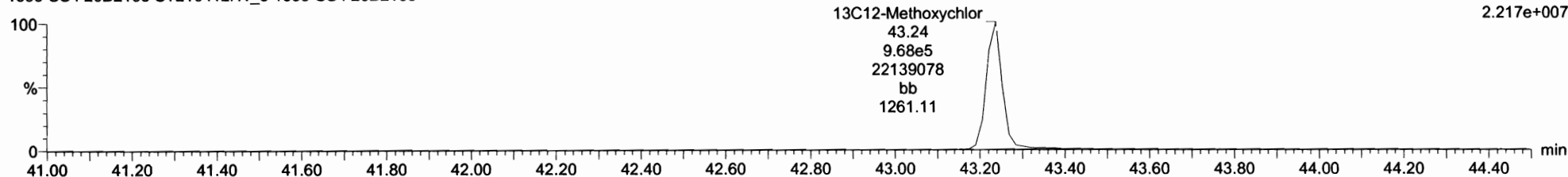
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
239.1475  
5.170e+008



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
240.1508  
2.217e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

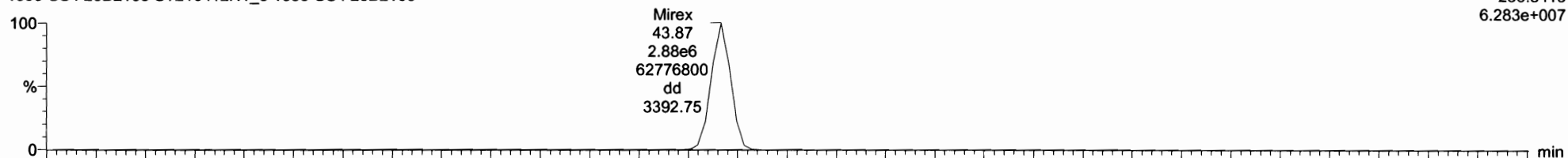
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**Mirex**

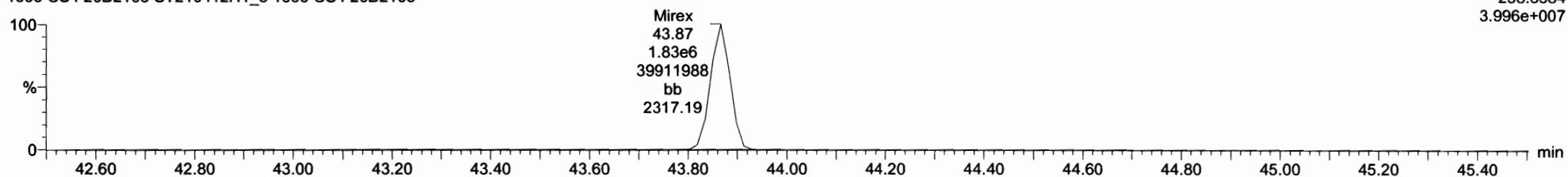
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
236.8413  
6.283e+007



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

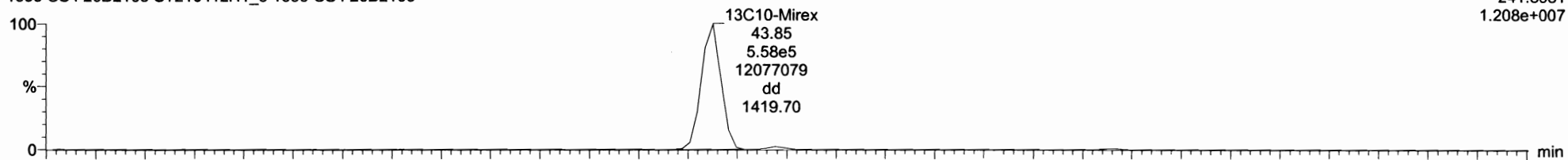
F5:Voltage SIR,EI+  
238.8384  
3.996e+007



**13C10-Mirex**

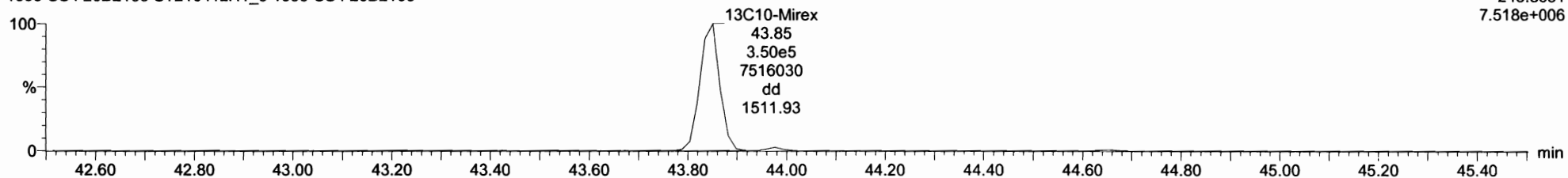
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
241.8581  
1.208e+007



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F5:Voltage SIR,EI+  
243.8551  
7.518e+006



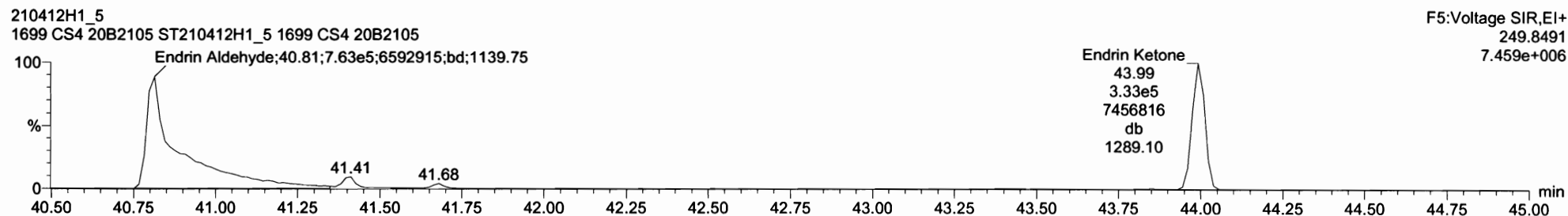
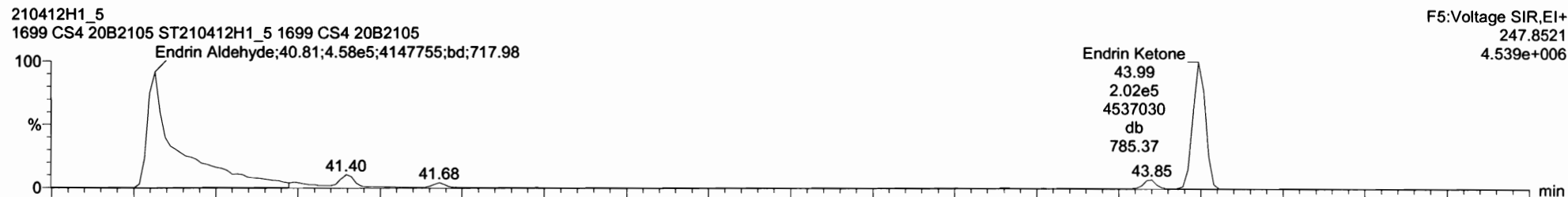
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

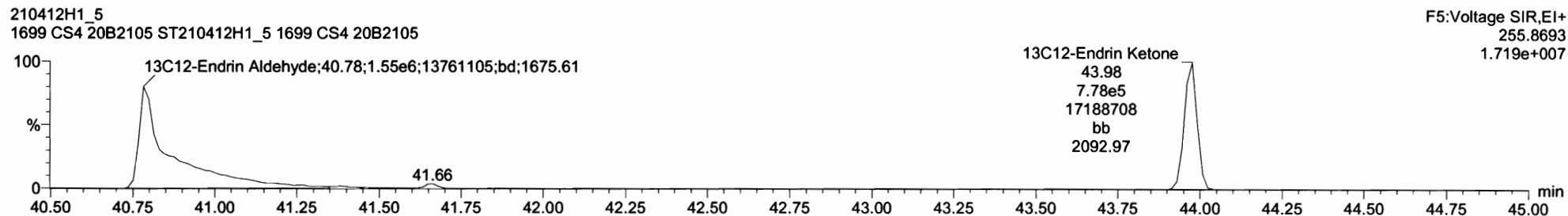
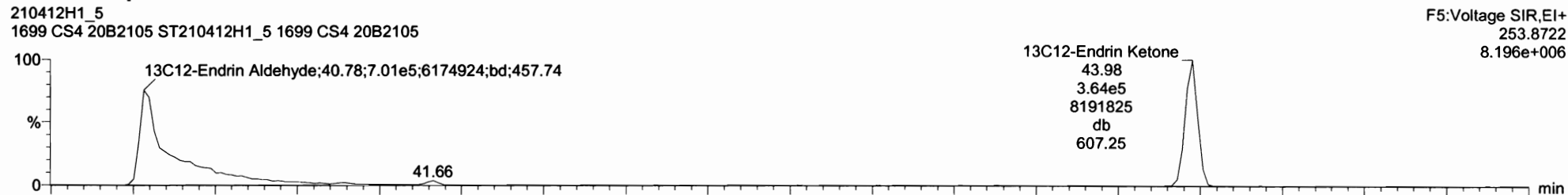
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

EA-EK

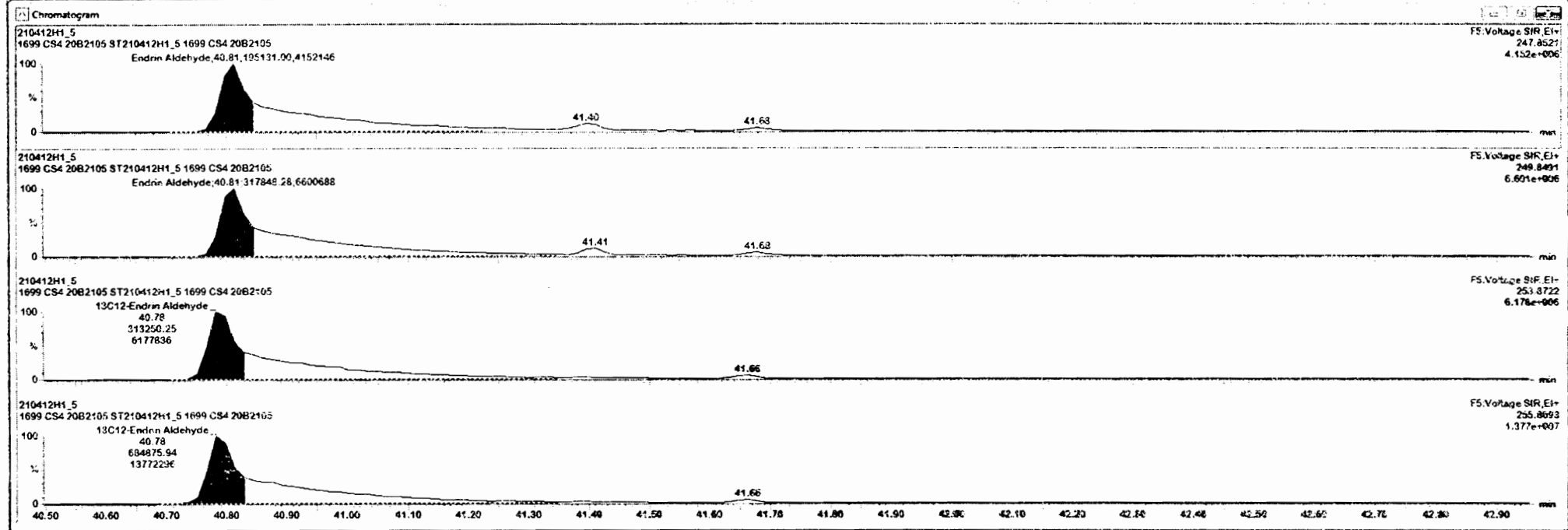


EA-EK-isotopes





#	Name	RT	Rn	Yn	Area	IS-Area	Std. Conc	%Dev	NRSC	Off. W.	RRF SD
31	21 Endrin Aldehyde	40.81	0.614	ND	5.1253e5	9.9613e5	250.000	0.1	10.7	1.03	0.110
32	22 Endrin Ketone	40.99	0.006	ND	5.1402e4	1.1414e6	250.000	1.2	4.93	0.526	0.0003
33	33 13C12-Hexachlorobutadiene	9.59	1.273	ND	6.8209e6	5.0672e5	500.000	-10.0	29.1	0.160	0.0487
34	34 13C12-Hexachlorobenzene	22.89	1.275	ND	4.3175e6	5.0972e5	50.000	-2.2	1.38	0.367	0.0102
35	35 13C12-Alpha-BHC	23.20	0.767	ND	1.2492e6	5.0972e5	50.000	-2.1	3.43	0.327	0.00926
36	36 13C12-Epsilon-Gamma	26.57	0.761	ND	9.8024e5	5.0972e5	50.000	0.3	3.92	0.151	0.00756
37	37 13C12-Beta-BHC	28.59	1.194	ND	7.3395e5	5.0972e5	50.000	0.2	5.91	0.144	0.00395
38	38 13C12-Delta-BHC	31.24	2.779	ND	8.7275e5	5.0972e5	50.000	2.0	7.41	0.187	0.0102
39	39 13C12-Heptachlor	29.71	1.268	ND	7.7954e5	5.0672e5	50.000	2.8	8.02	0.140	0.0101
40	40 13C12-Gamma	30.80	1.473	ND	7.8979e5	5.0972e5	50.000	0.5	2.96	0.154	0.00450
41	41 13C12-Oxychloridane	31.35	1.558	ND	2.0307e5	5.0972e5	50.000	-0.3	8.24	0.0404	0.00003
42	42 13C12-Om-Heptachlor Epi	24.14	1.507	ND	2.5793e5	5.0972e5	50.000	2.5	6.96	0.0467	0.00008



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

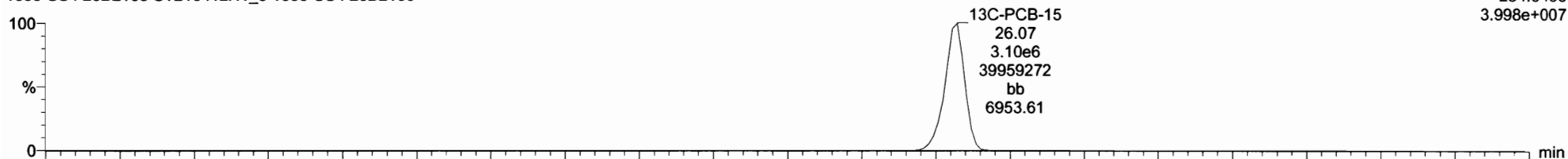
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**13C-PCB-15**

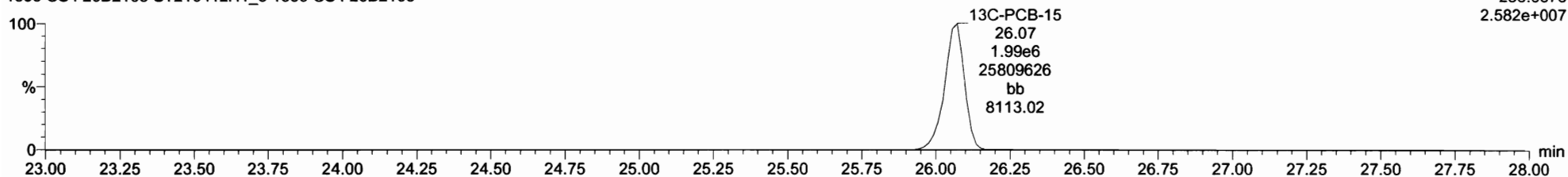
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F2:Voltage SIR,EI+  
234.0406  
3.998e+007



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

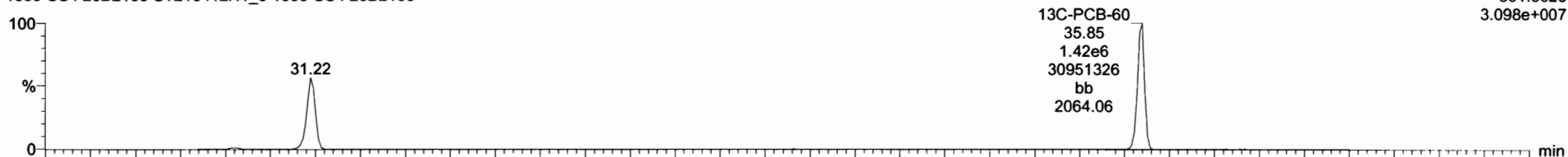
F2:Voltage SIR,EI+  
236.0376  
2.582e+007



**13C-PCB-60**

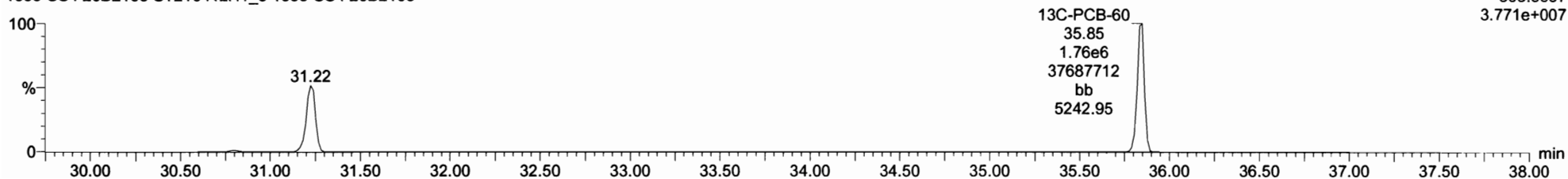
210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F3:Voltage SIR,EI+  
301.9626  
3.098e+007



210412H1\_5  
1699 CS4 20B2105 ST210412H1\_5 1699 CS4 20B2105

F3:Voltage SIR,EI+  
303.9597  
3.771e+007



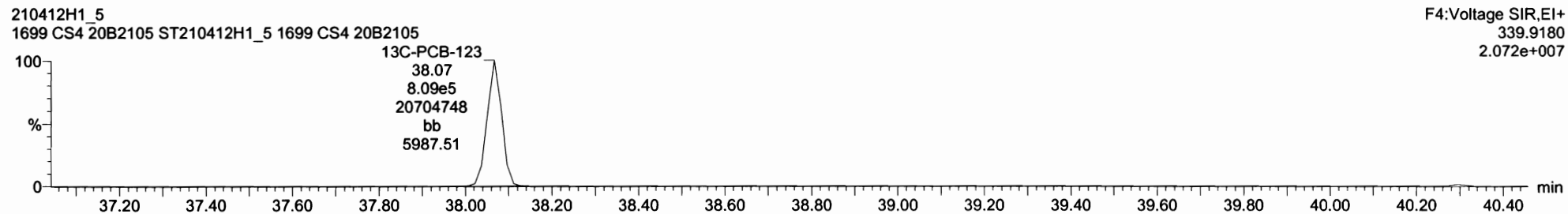
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

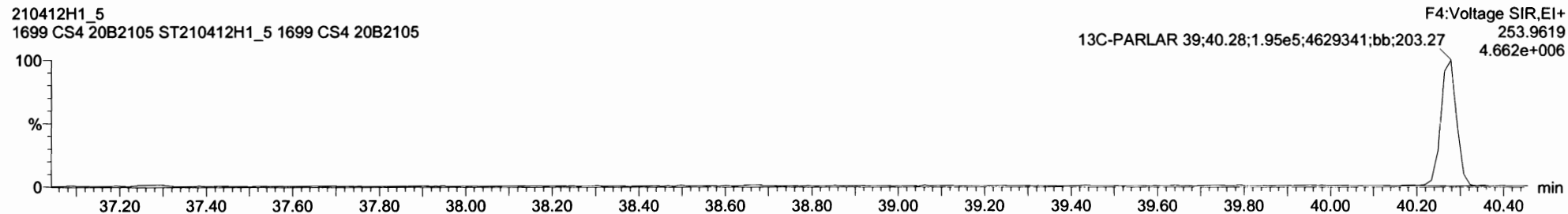
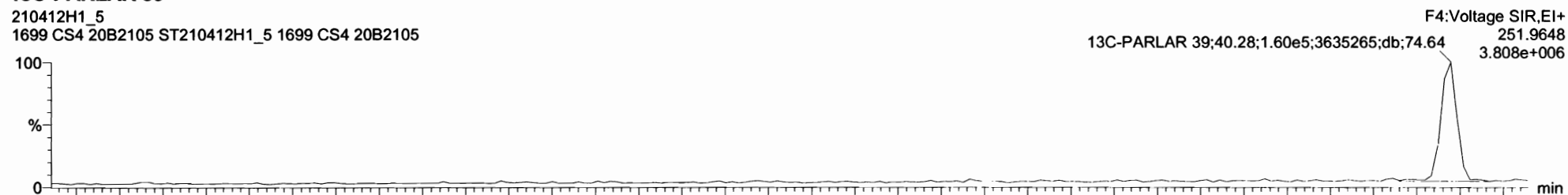
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

**13C-PCB-123**



**13C-PARLAR 39**



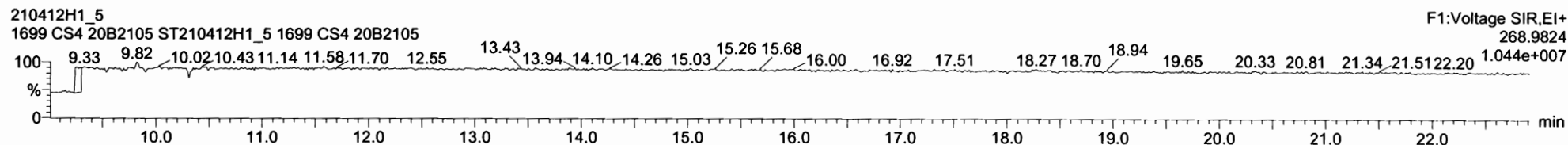
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

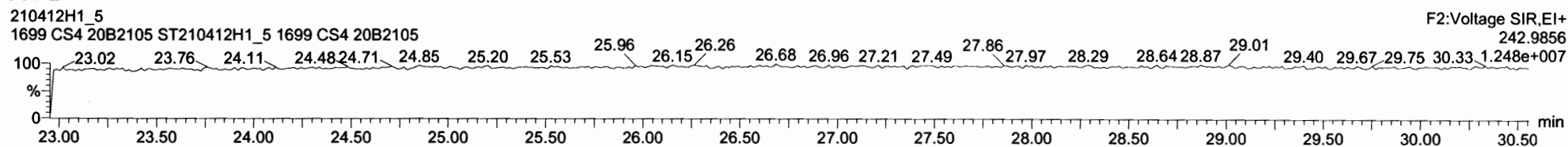
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_5, Date: 12-Apr-2021, Time: 18:14:31, ID: ST210412H1\_5 1699 CS4 20B2105, Description: 1699 CS4 20B2105

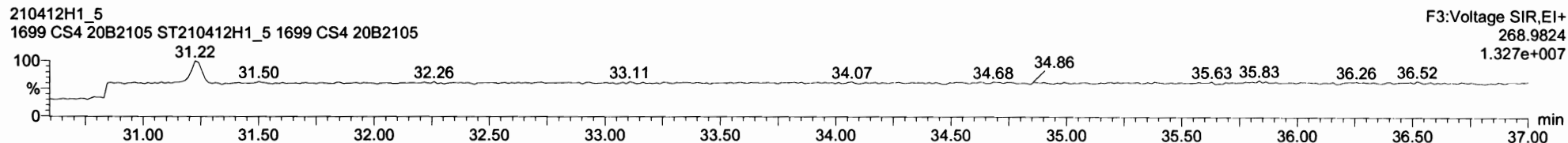
**PFK1**



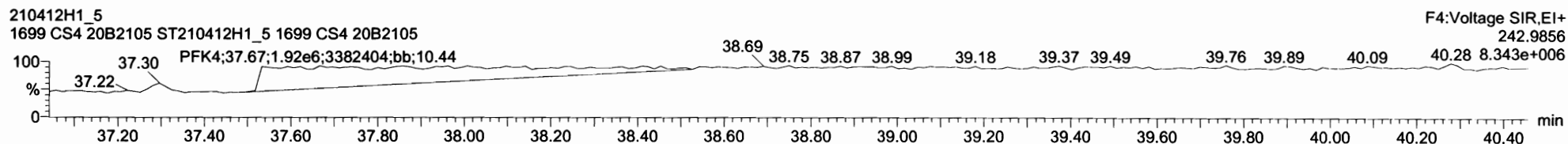
**PFK2**



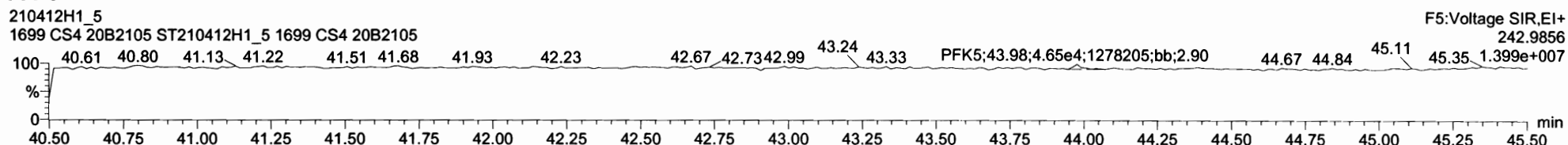
**PFK3**



**PFK4**



**PFK5**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

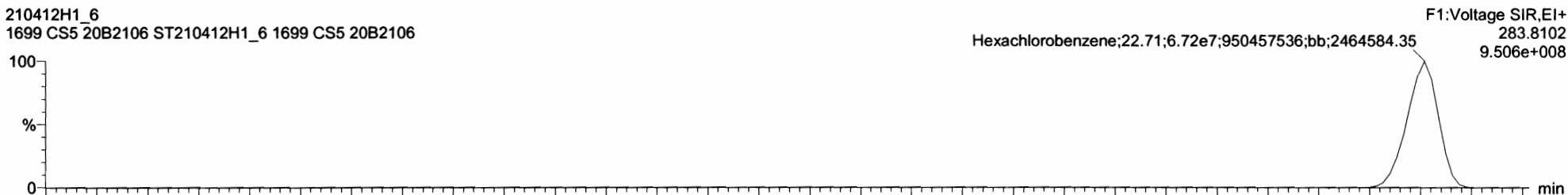
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

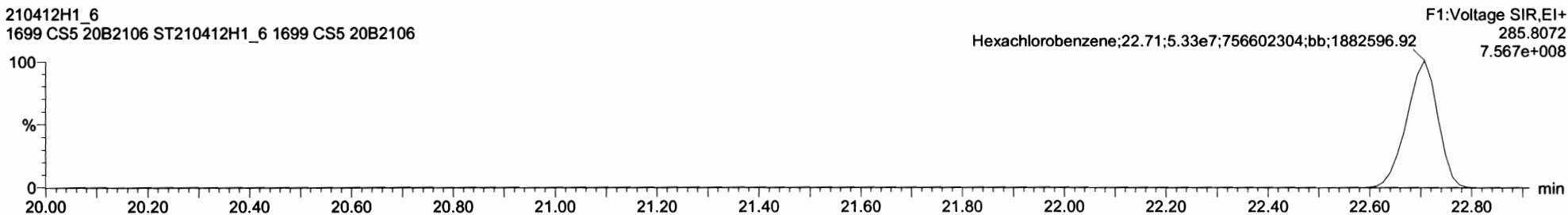
Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**Hexachlorobenzene**

210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

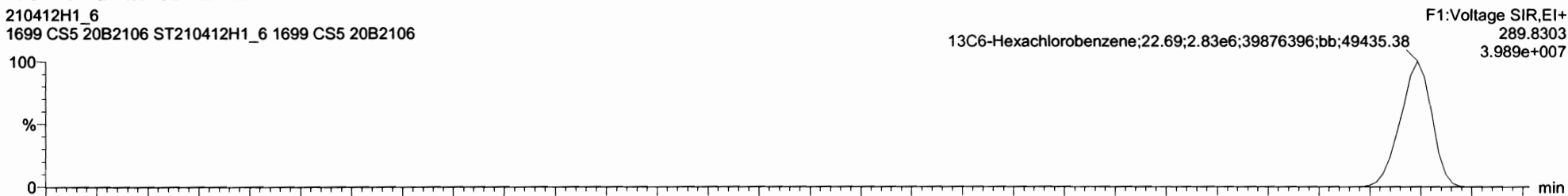


210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

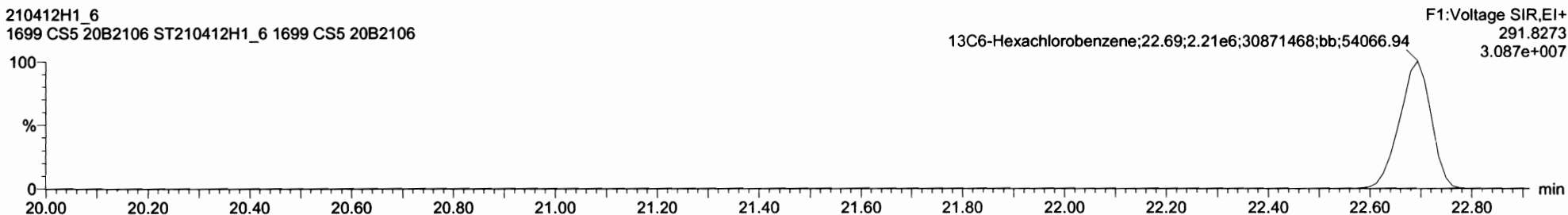


**13C6-Hexachlorobenzene**

210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106



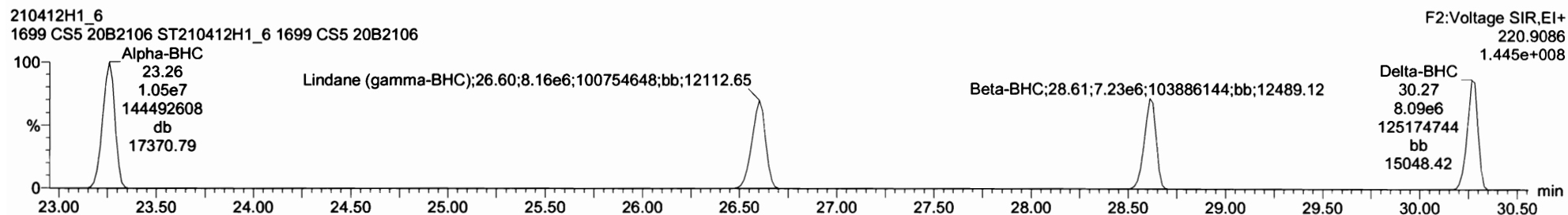
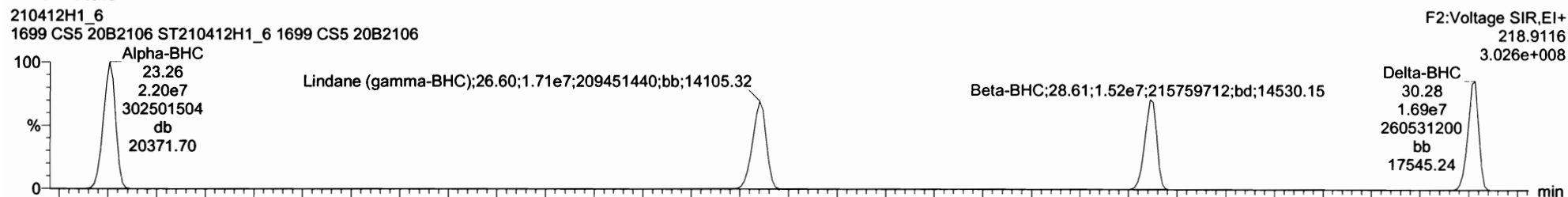
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

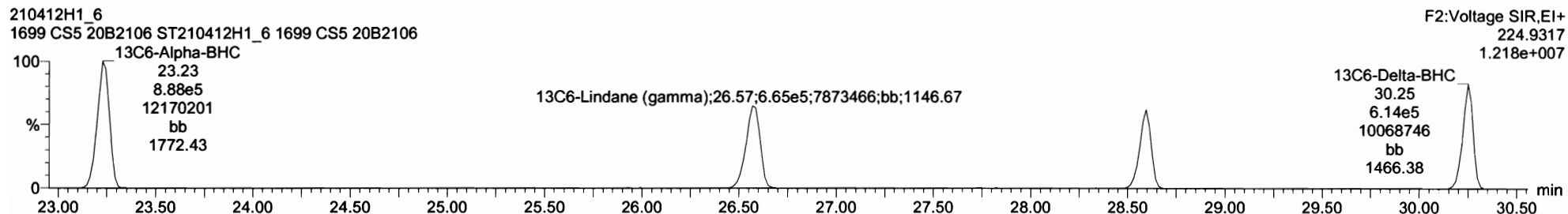
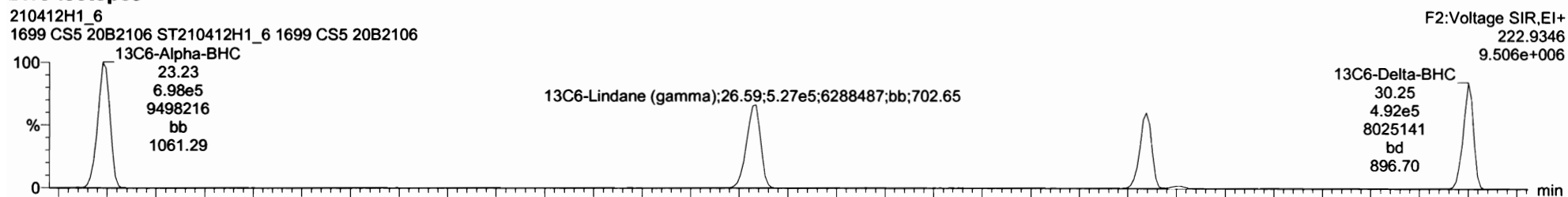
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**BHC Totals**



**BHC-isotopes**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

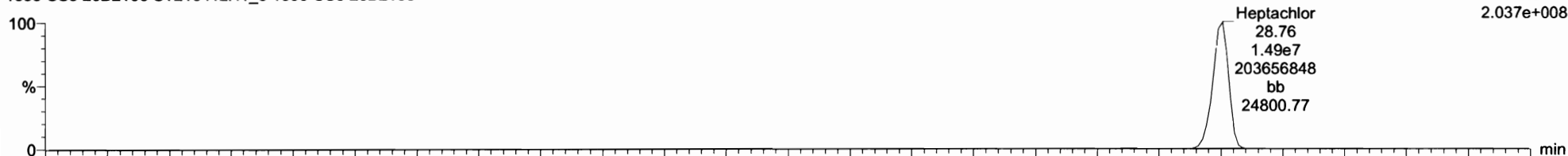
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**Heptachlor**

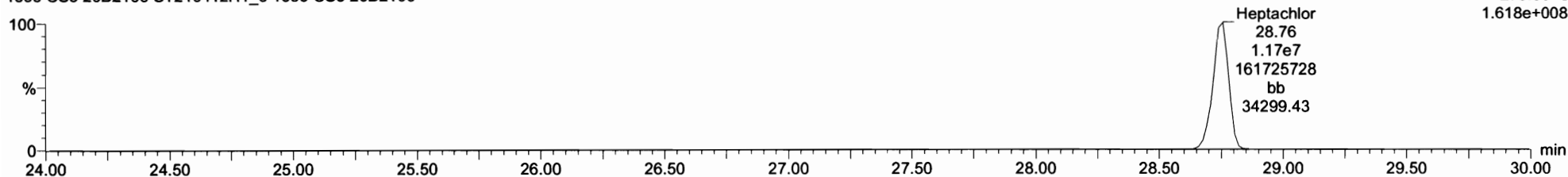
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F2:Voltage SIR,EI+  
271.8102  
2.037e+008



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

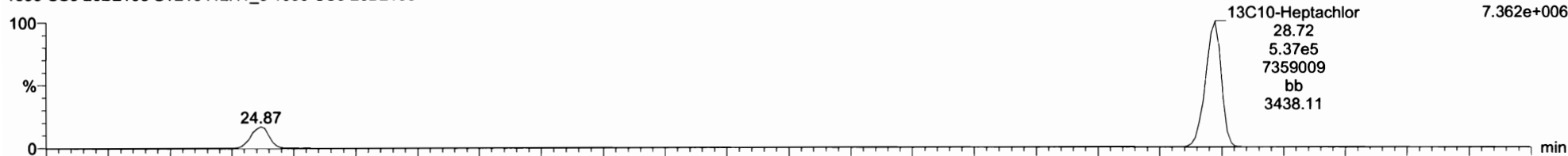
F2:Voltage SIR,EI+  
273.8072  
1.618e+008



**13C10-Heptachlor**

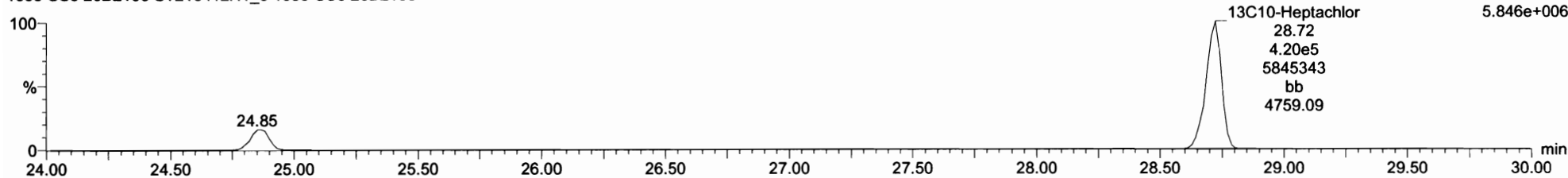
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F2:Voltage SIR,EI+  
276.8269  
7.362e+006



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F2:Voltage SIR,EI+  
278.8240  
5.846e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

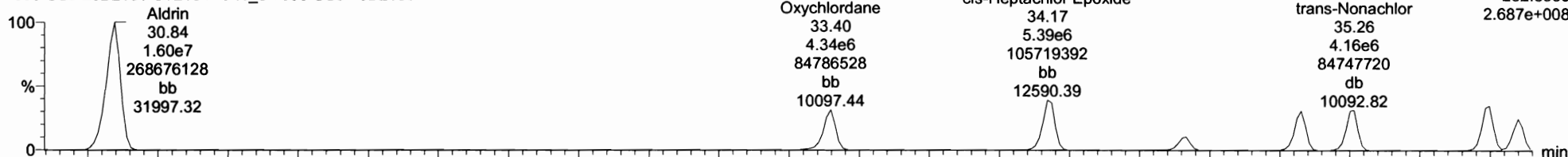
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

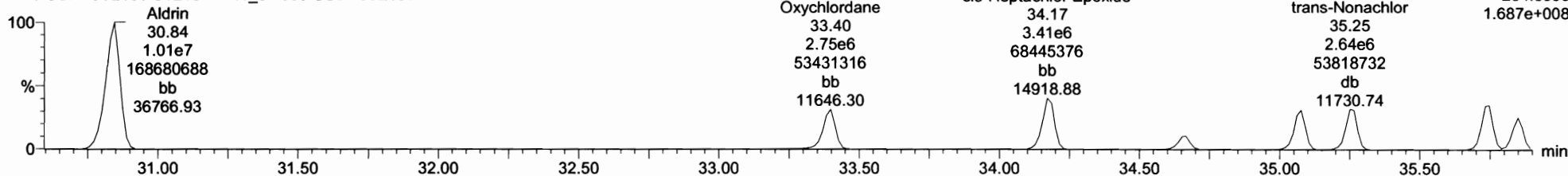
**Aldrin-EI**

210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106



F3:Voltage SIR,EI+  
262.8569  
2.687e+008

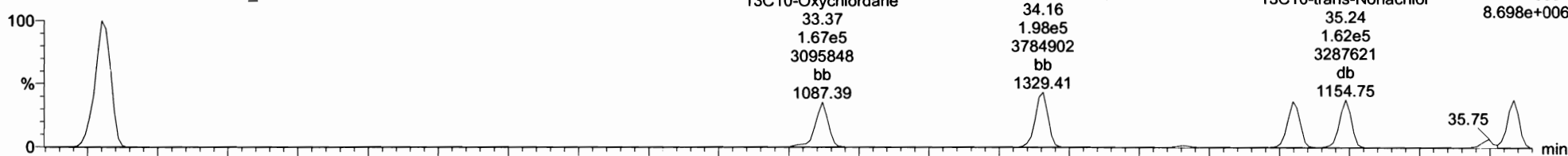
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106



F3:Voltage SIR,EI+  
264.8550  
1.687e+008

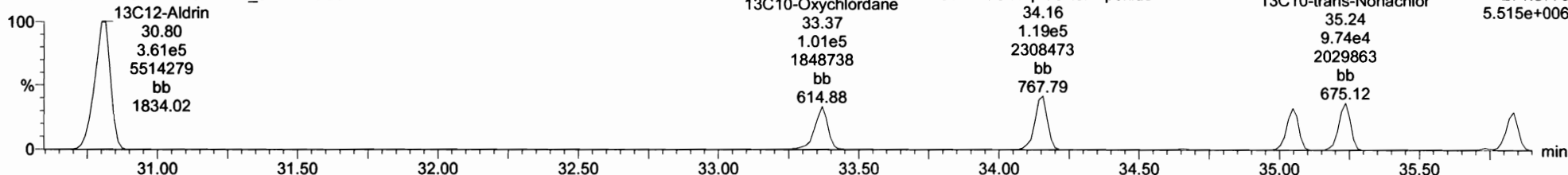
**Aldrin-EI-isotopes**

210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106



F3:Voltage SIR,EI+  
269.8804  
8.698e+006

210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106



F3:Voltage SIR,EI+  
271.8775  
5.515e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

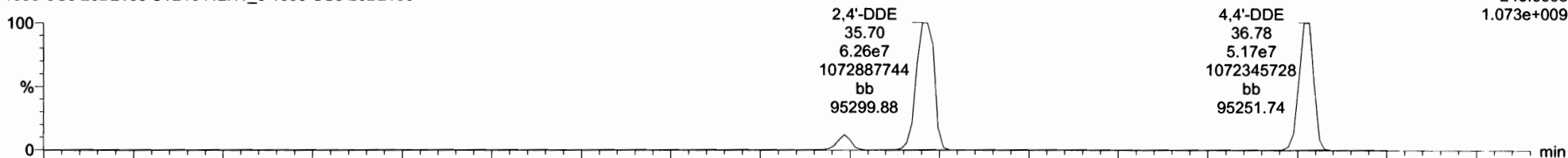
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**DDMU-DDE**

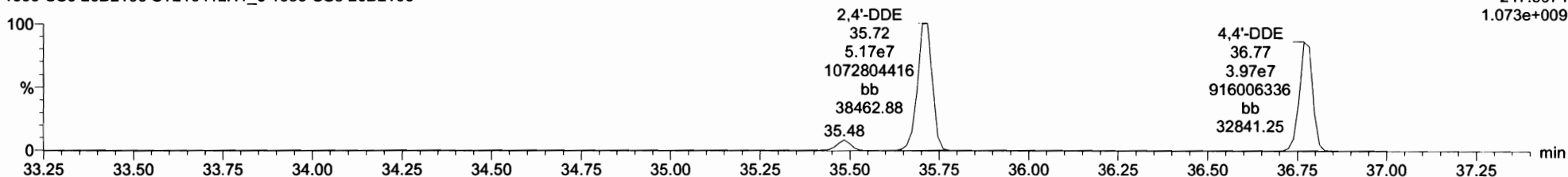
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F3:Voltage SIR,EI+  
246.0003  
1.073e+009



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

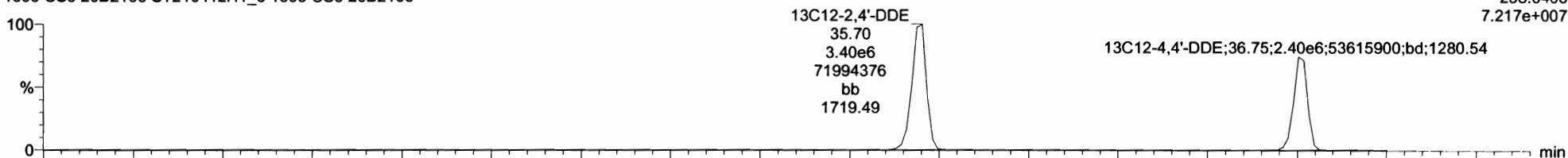
F3:Voltage SIR,EI+  
247.9974  
1.073e+009



**DDE-isotopes**

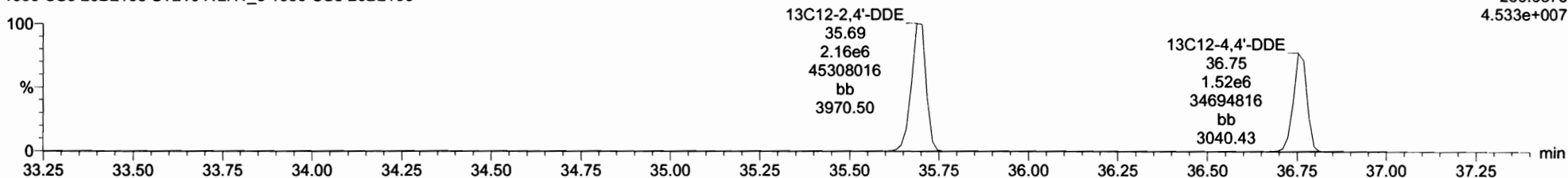
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F3:Voltage SIR,EI+  
258.0406  
7.217e+007



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F3:Voltage SIR,EI+  
260.0376  
4.533e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

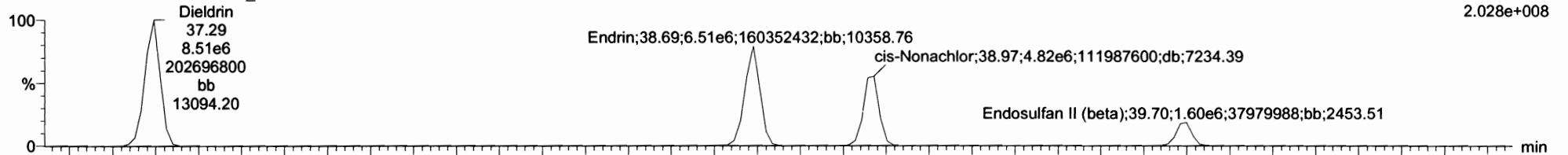
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**Dieldrin-EII**

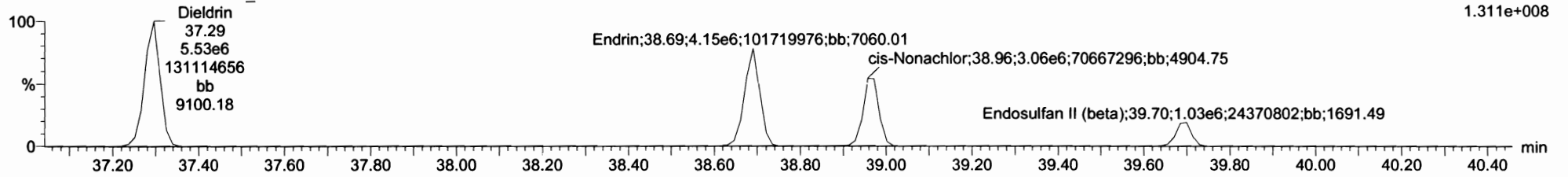
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F4:Voltage SIR,EI+  
262.8569  
2.028e+008



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

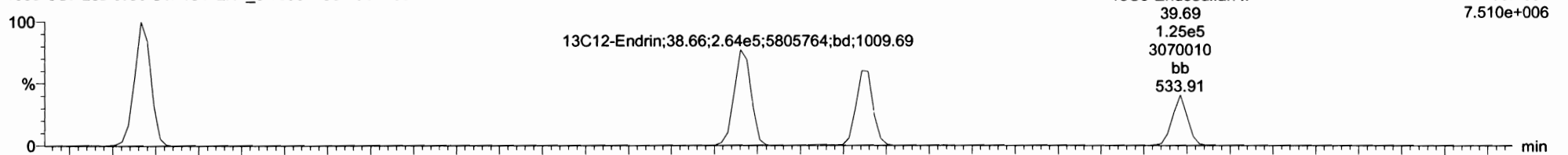
F4:Voltage SIR,EI+  
264.8550  
1.311e+008



**Dieldrin-EII-isotopes**

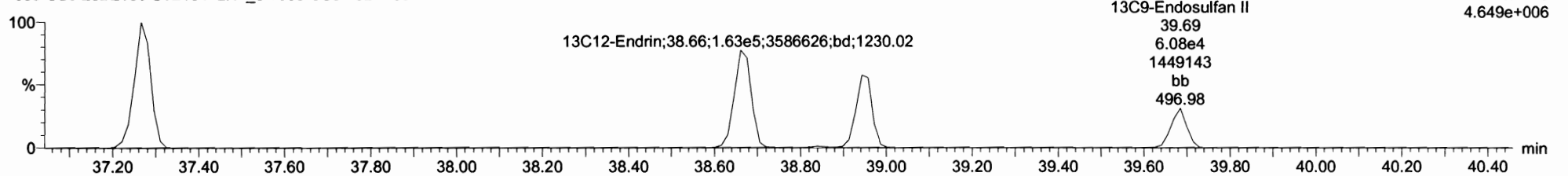
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F4:Voltage SIR,EI+  
269.8804  
7.510e+006



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F4:Voltage SIR,EI+  
271.8775  
4.649e+006



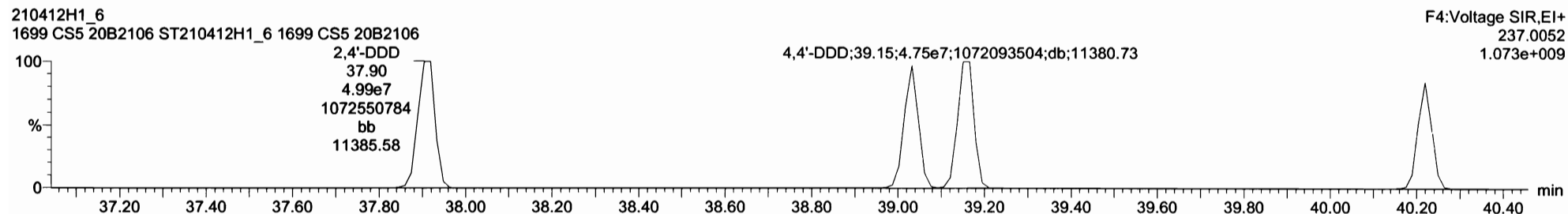
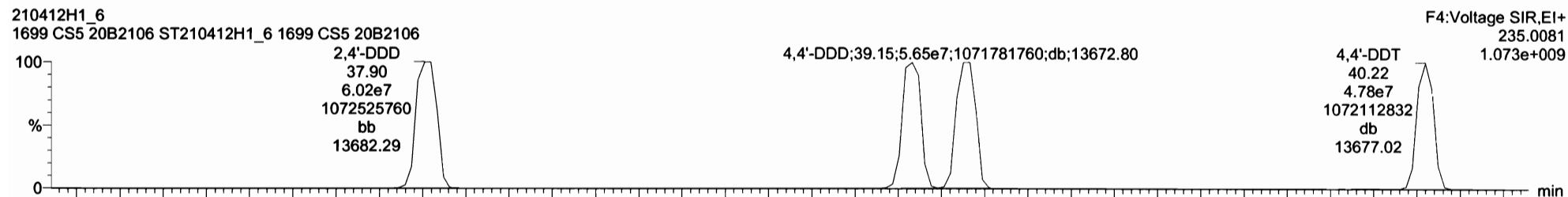
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

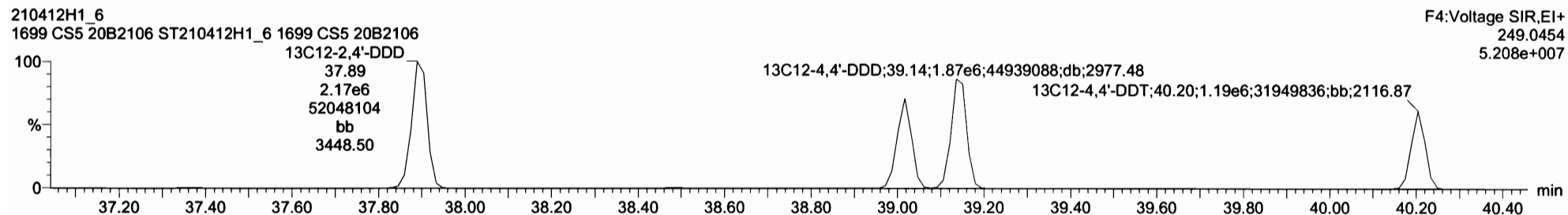
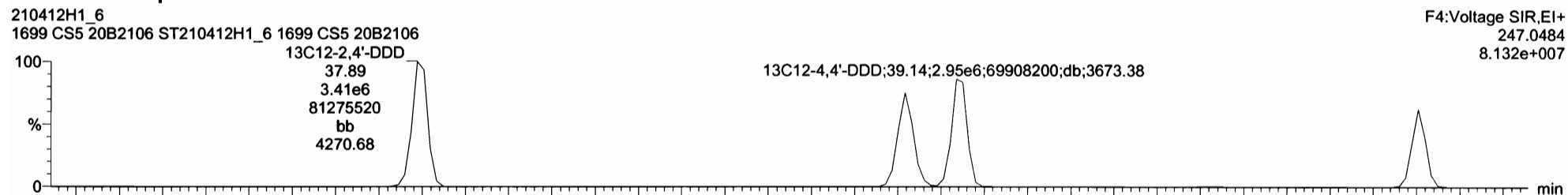
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

DDD-DDT



DDD-DDT-isotopes



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

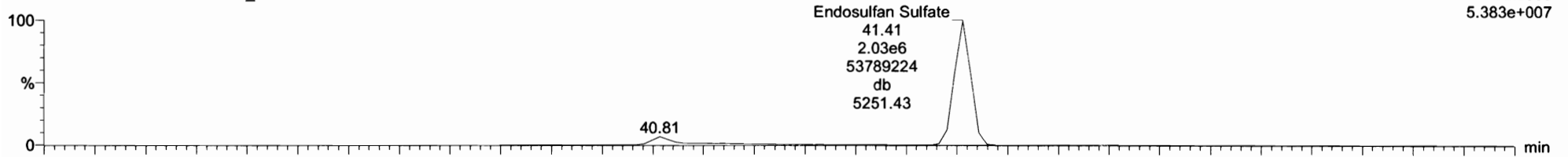
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**Endosulfan Sulfate**

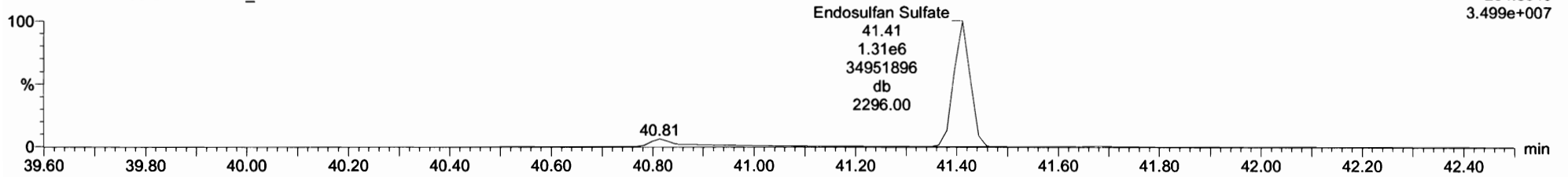
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
262.8569  
5.383e+007



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

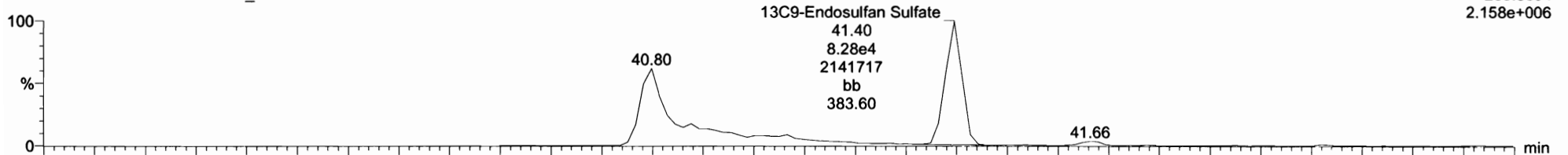
F5:Voltage SIR,EI+  
264.8540  
3.499e+007



**13C9-Endosulfan Sulfate**

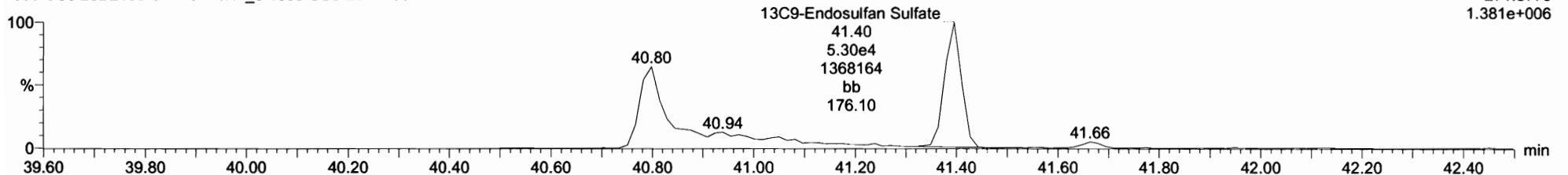
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
269.8804  
2.158e+006



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
271.8775  
1.381e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

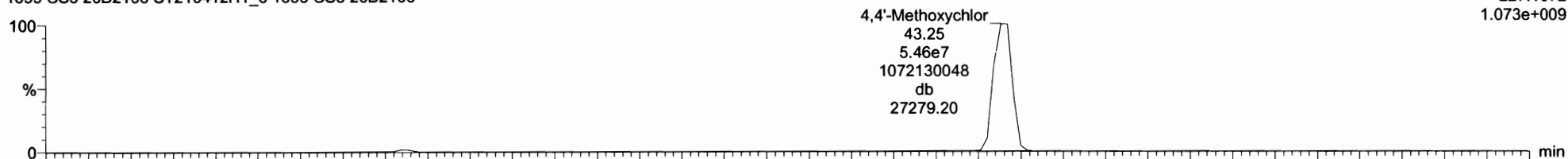
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**4,4'-Methoxychlor**

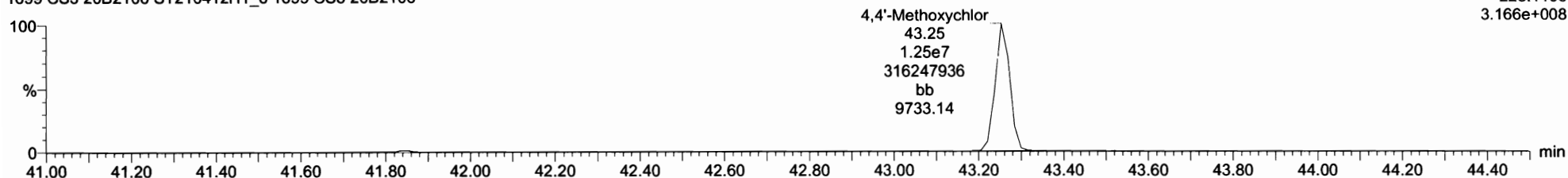
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
227.1072  
1.073e+009



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

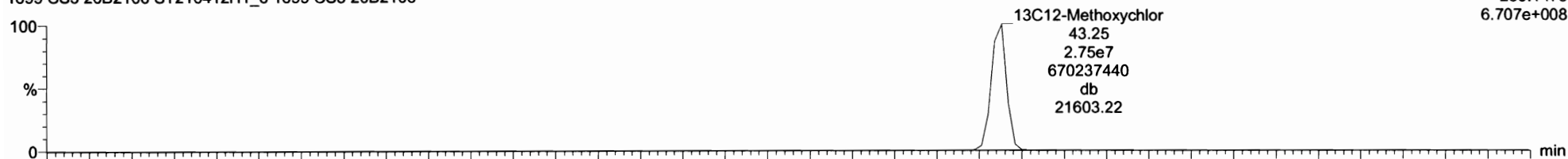
F5:Voltage SIR,EI+  
228.1106  
3.166e+008



**13C12-Methoxychlor**

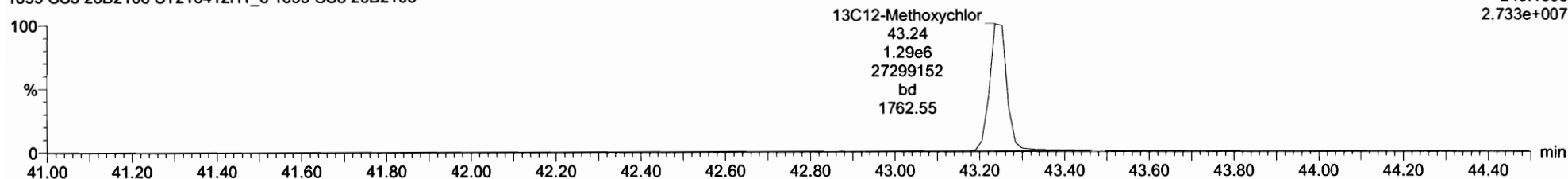
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
239.1475  
6.707e+008



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
240.1508  
2.733e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

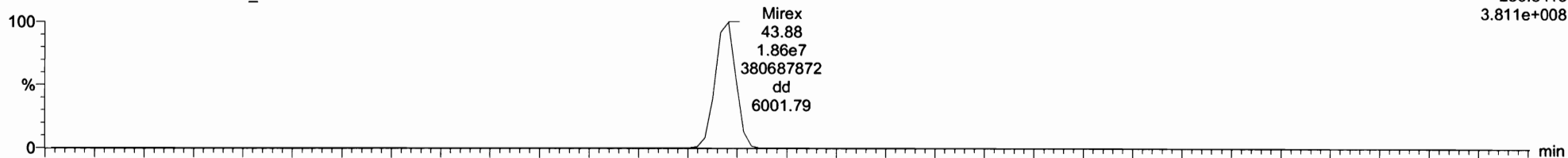
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**Mirex**

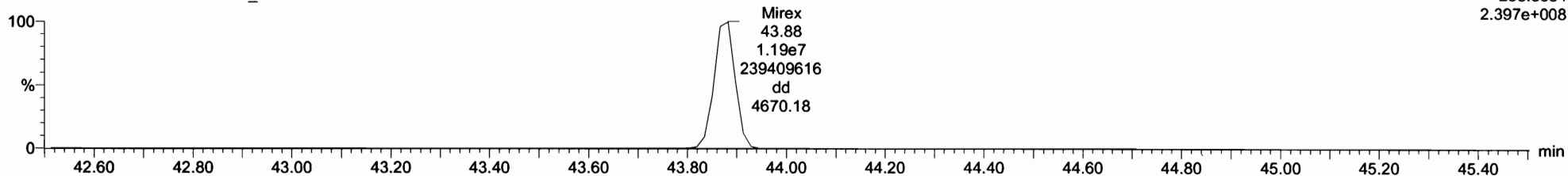
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
236.8413  
3.811e+008



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

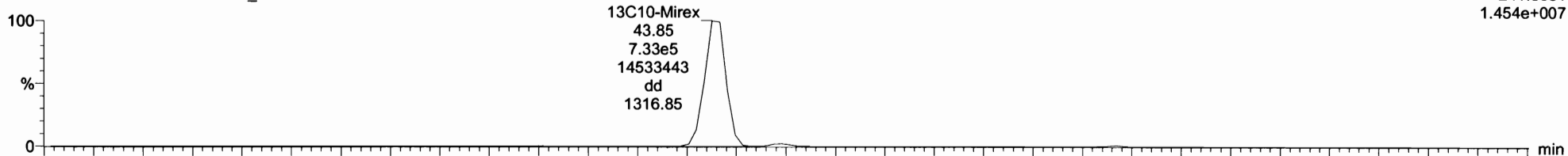
F5:Voltage SIR,EI+  
238.8384  
2.397e+008



**13C10-Mirex**

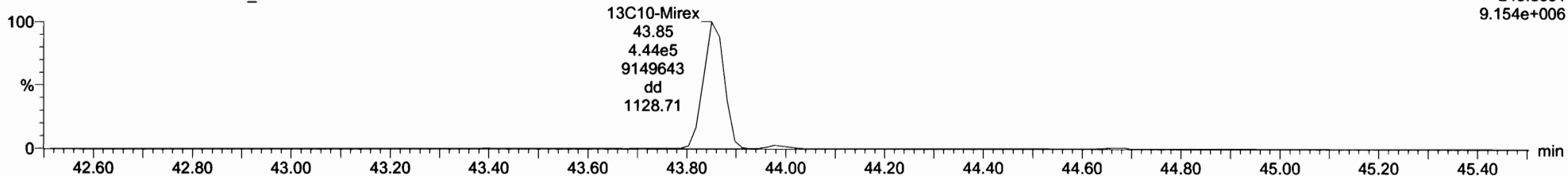
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
241.8581  
1.454e+007



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
243.8551  
9.154e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

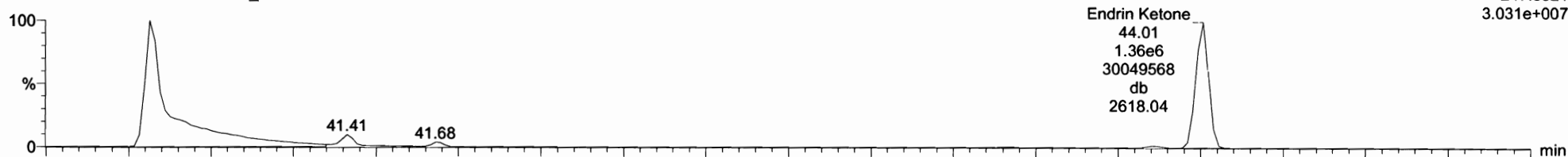
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

EA-EK

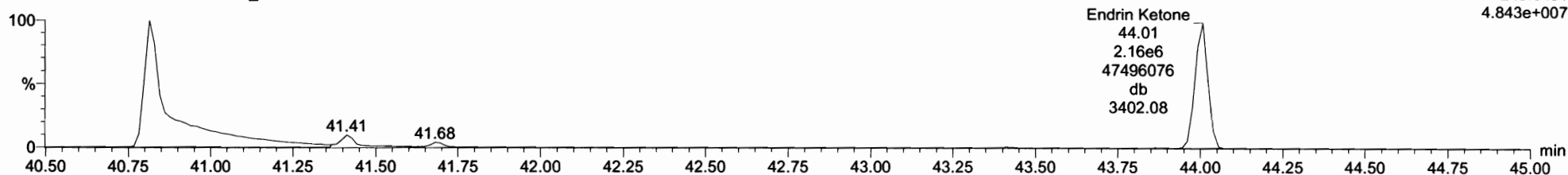
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
247.8521  
3.031e+007



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

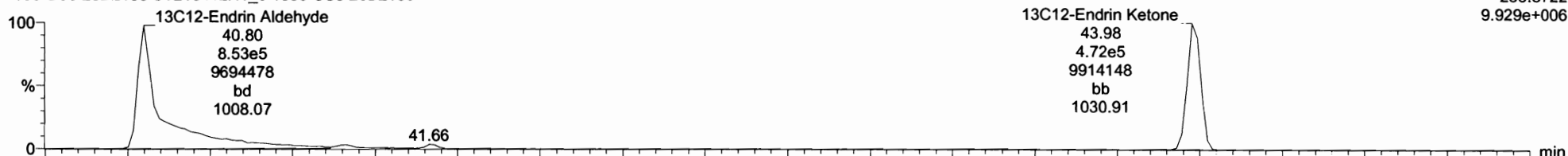
F5:Voltage SIR,EI+  
249.8491  
4.843e+007



EA-EK-isotopes

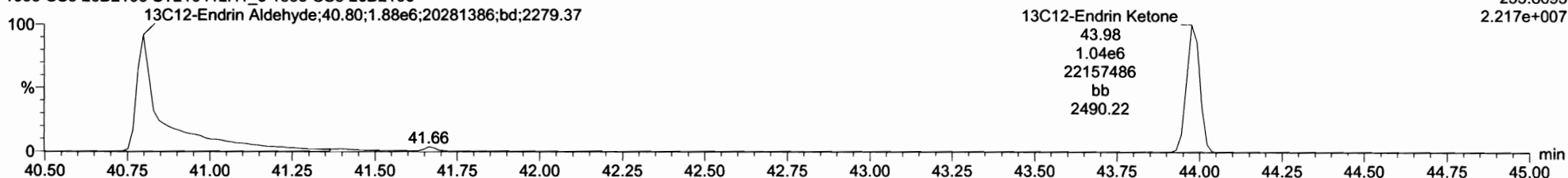
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F5:Voltage SIR,EI+  
253.8722  
9.929e+006



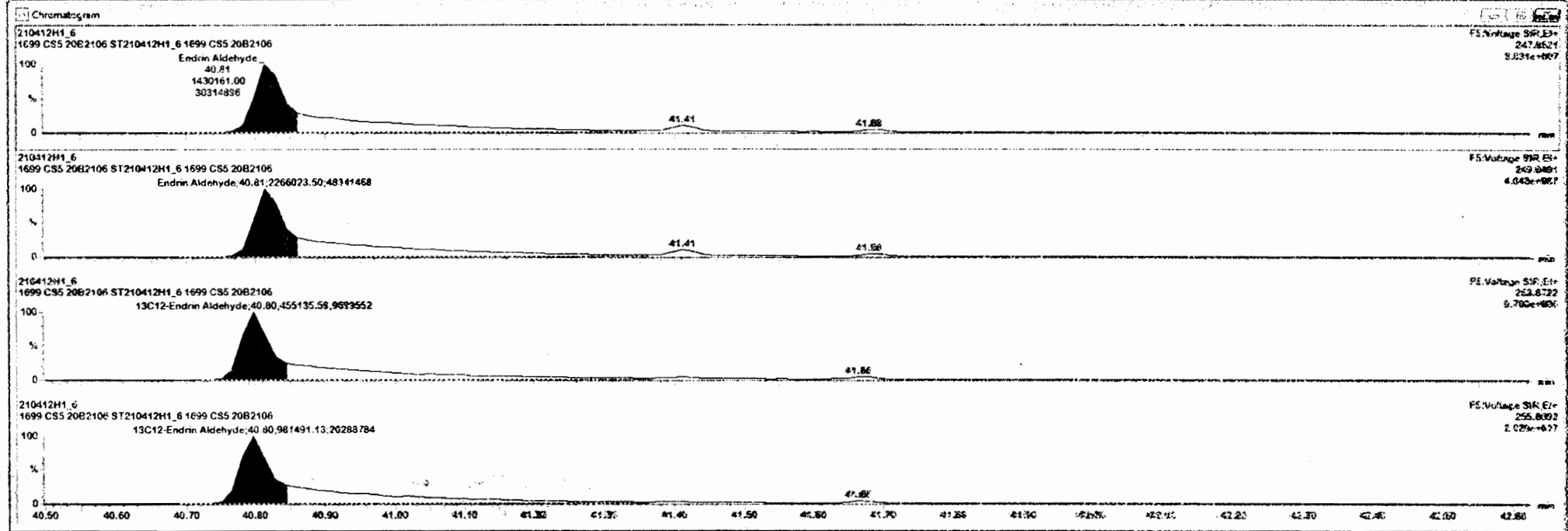
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106  
13C12-Endrin Aldehyde;40.80;1.88e6;20281386;bd;2279.37

F5:Voltage SIR,EI+  
255.8693  
2.217e+007



210412H1\_6 ST2 210412H1\_6 1699 CS5 20B2106 1699 CS5 20B2106

N	Name	RT	RA	Y/N	Area	IS Area	Std. Conc.	N.Dev.	NRSD	RRF N	RRF SD
31	31 Snow-Aldehyde	40.81	0.811	NO	3.6902e6	1.4396e6	1200.000	4.4	10.7	1.00	0.118
32	32 Endrin Ketone	44.31	0.828	NO	3.5195e6	1.5033e6	1200.000	4.8	4.56	0.926	0.0412
33	33 13C12-Hexachlorocyclopentadiene	5.92	1.278	NO	5.8852e6	5.7398e6	500.000	38.2	39.1	0.160	0.0467
34	34 13C12-Hexachlorobenzene	22.55	1.202	NO	5.0410e6	5.7398e6	50.000	1.31	1.28	0.967	0.0119
35	35 13C12-Alpha-BHC	20.23	0.788	NO	1.5814e6	5.7398e6	50.000	7.01	2.63	0.253	0.08938
36	36 13C12-Gamma-Gammr	26.59	0.792	NO	1.1920e6	5.7398e6	50.000	7.21	2.52	0.191	0.06759
37	37 13C12-Beta-BHC	29.58	0.791	NO	5.1355e6	5.7398e6	50.000	10.9	5.97	0.144	0.06915
38	38 13C12-Delta-BHC	30.24	0.801	NO	1.1082e6	5.7398e6	50.000	14.9	1.95	0.169	0.0732
39	39 13C10-Heptachlor	28.72	1.279	NO	5.5711e6	5.7398e6	50.000	12.5	8.82	0.148	0.0101
40	40 13C12-Endrin	30.90	1.589	NO	9.2774e6	5.7398e6	50.000	4.9	2.96	0.154	0.00456
41	41 13C12-Oxychlorane	37.17	1.655	NO	2.1754e6	5.7398e6	50.000	15.4	5.24	0.304	0.00233
42	42 13C12-Os-Heptachlor Epi	34.16	1.693	NO	3.1725e6	5.7398e6	50.000	12.1	6.60	0.149	0.00129





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

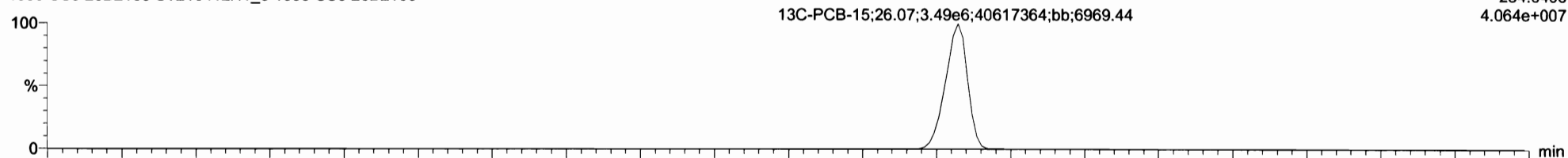
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**13C-PCB-15**

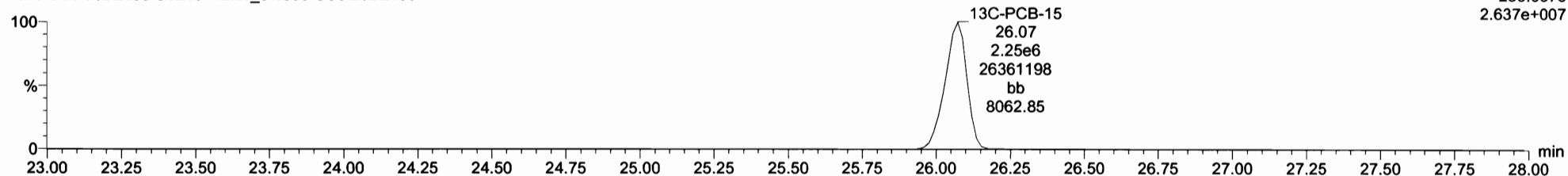
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F2:Voltage SIR,EI+  
234.0406  
4.064e+007



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

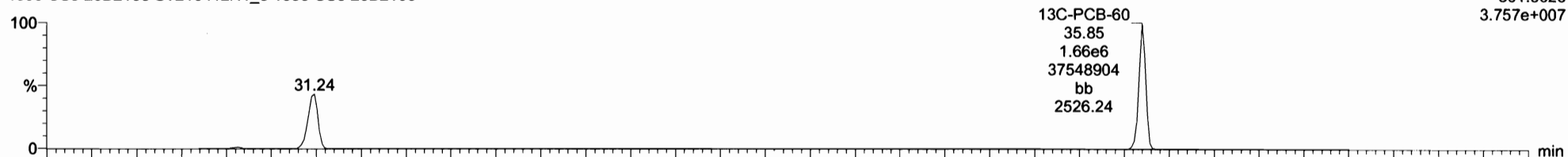
F2:Voltage SIR,EI+  
236.0376  
2.637e+007



**13C-PCB-60**

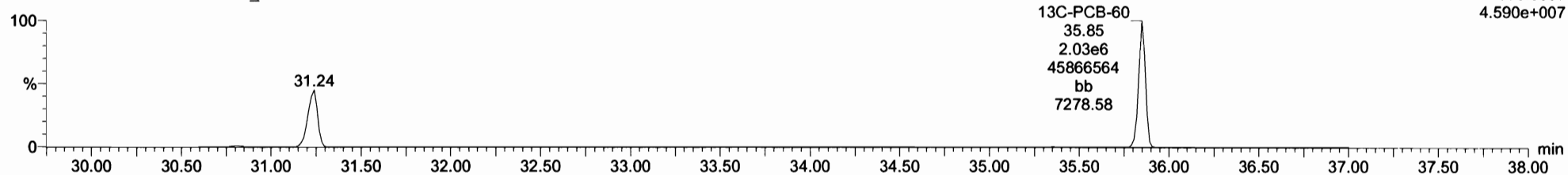
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F3:Voltage SIR,EI+  
301.9626  
3.757e+007



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F3:Voltage SIR,EI+  
303.9597  
4.590e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

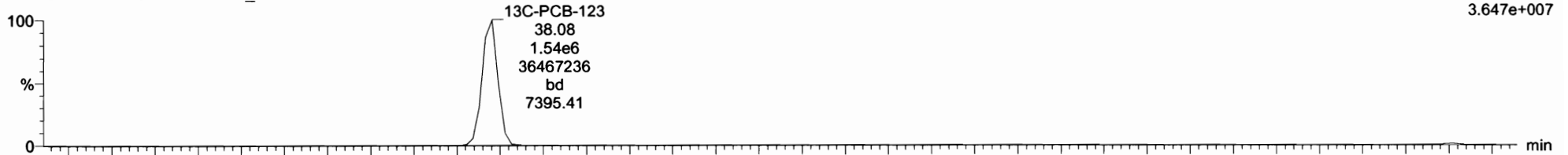
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_6, Date: 12-Apr-2021, Time: 19:02:53, ID: ST210412H1\_6 1699 CS5 20B2106, Description: 1699 CS5 20B2106

**13C-PCB-123**

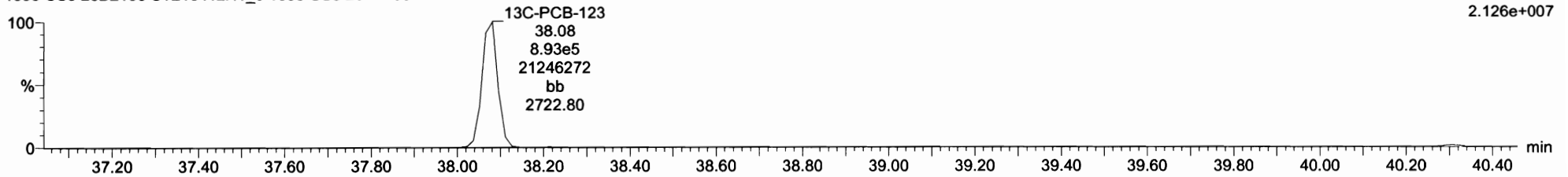
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F4:Voltage SIR,EI+  
337.9210  
3.647e+007



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

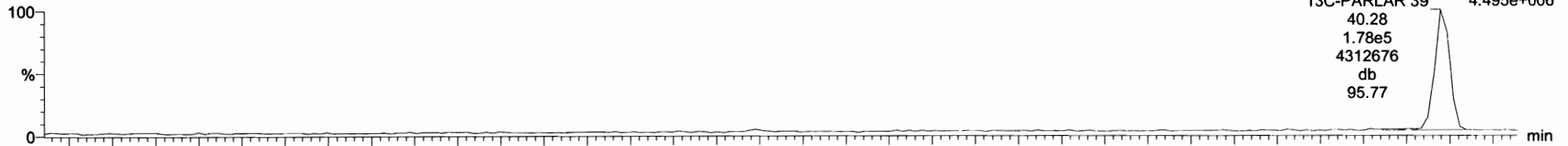
F4:Voltage SIR,EI+  
339.9180  
2.126e+007



**13C-PARLAR 39**

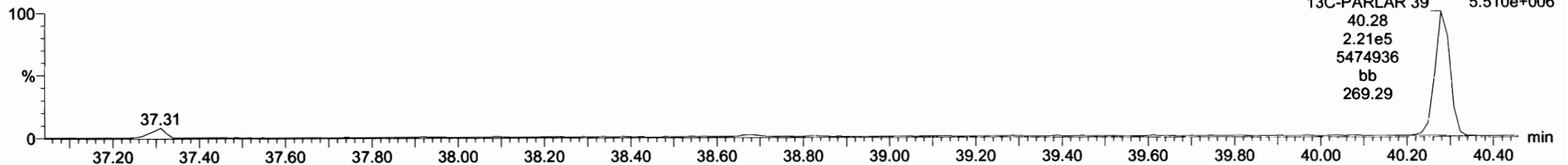
210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F4:Voltage SIR,EI+  
251.9648  
4.495e+006



210412H1\_6  
1699 CS5 20B2106 ST210412H1\_6 1699 CS5 20B2106

F4:Voltage SIR,EI+  
253.9619  
5.510e+006



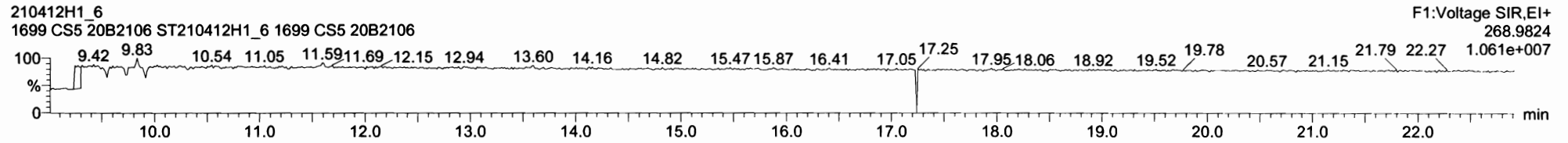
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

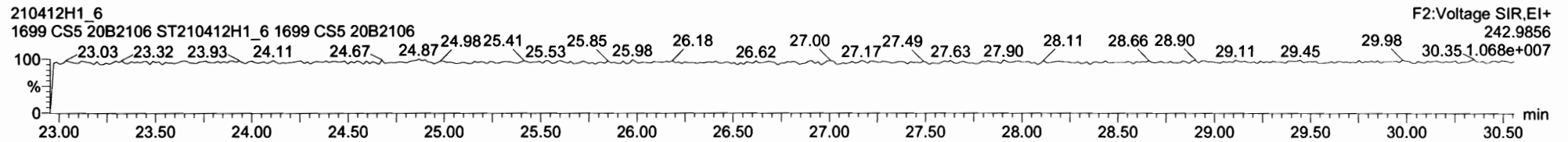
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

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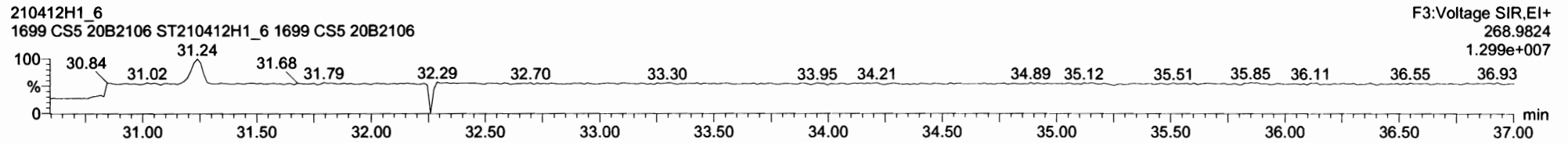
**PFK1**



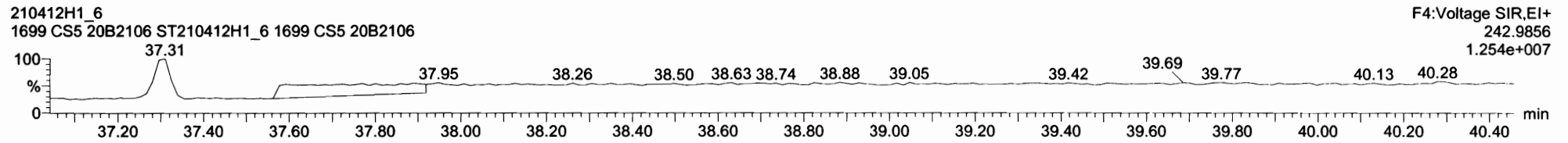
**PFK2**



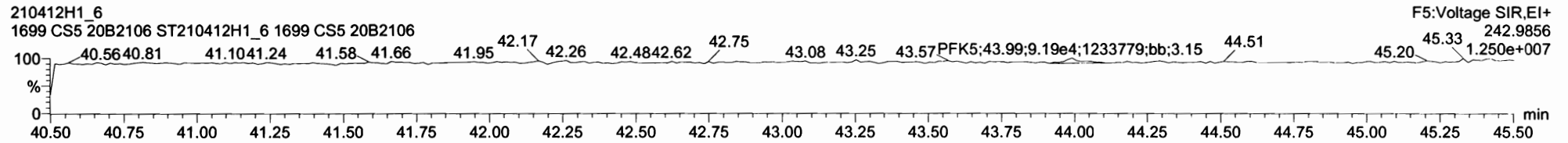
**PFK3**



**PFK4**



**PFK5**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

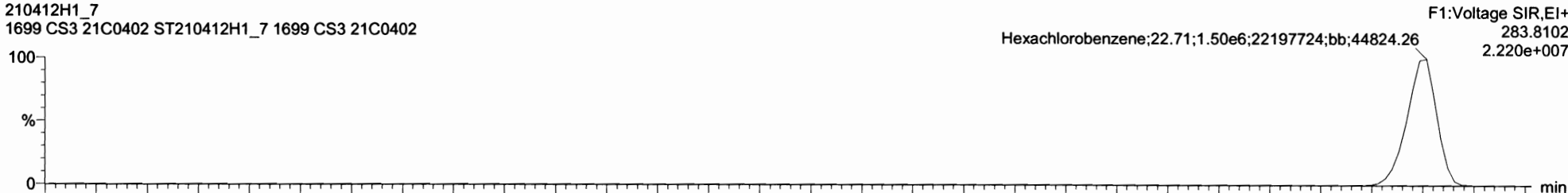
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

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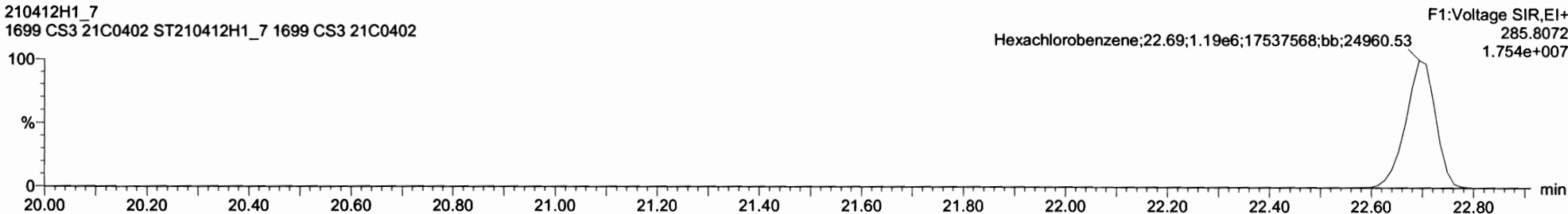
Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Hexachlorobenzene**

210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

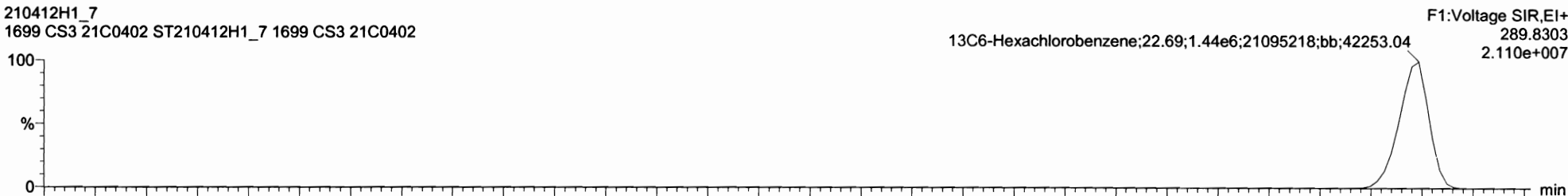


210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

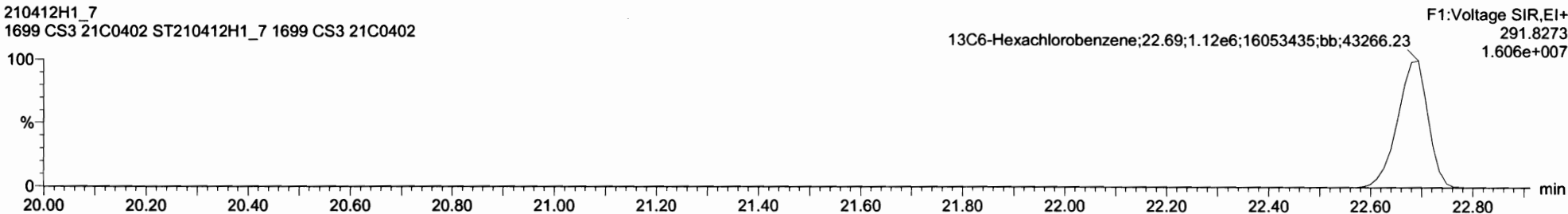


**13C6-Hexachlorobenzene**

210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402



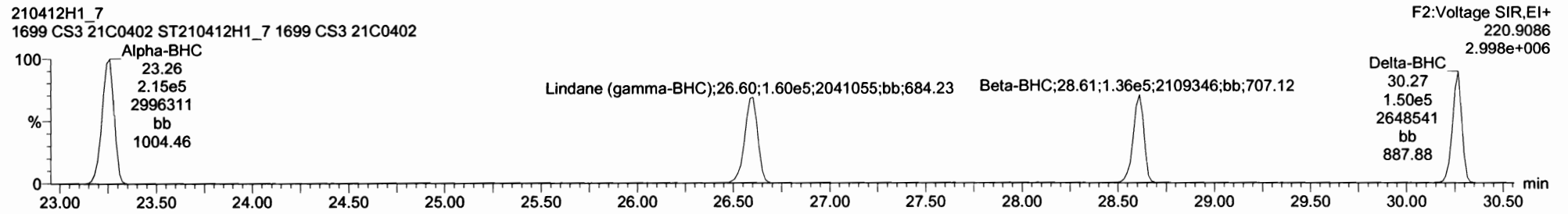
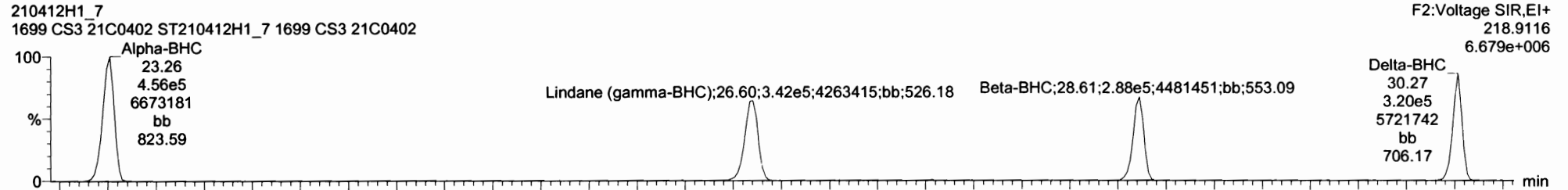
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Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

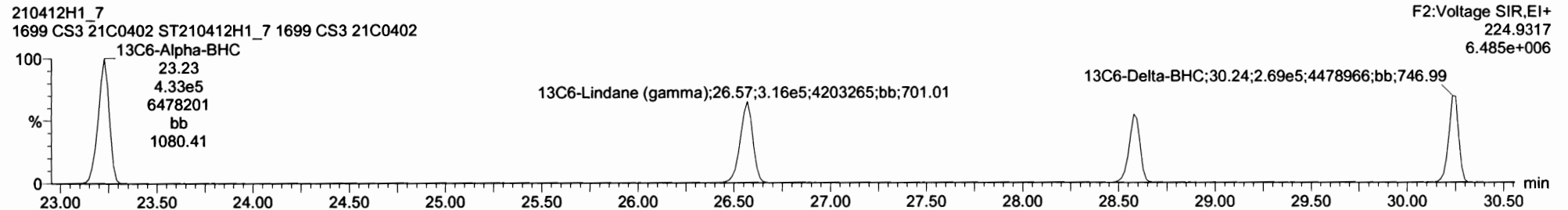
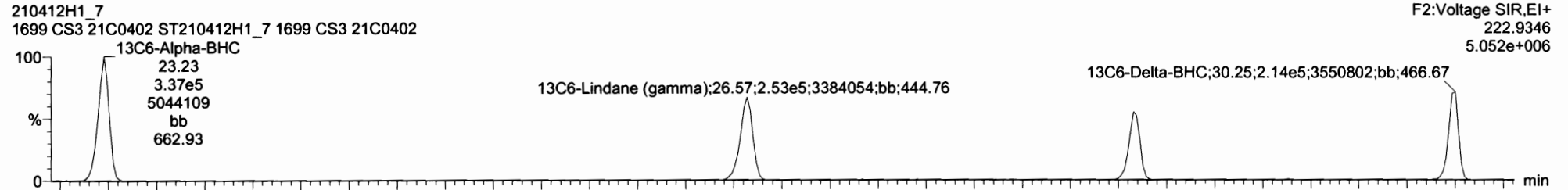
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**BHC Totals**



**BHC-isotopes**

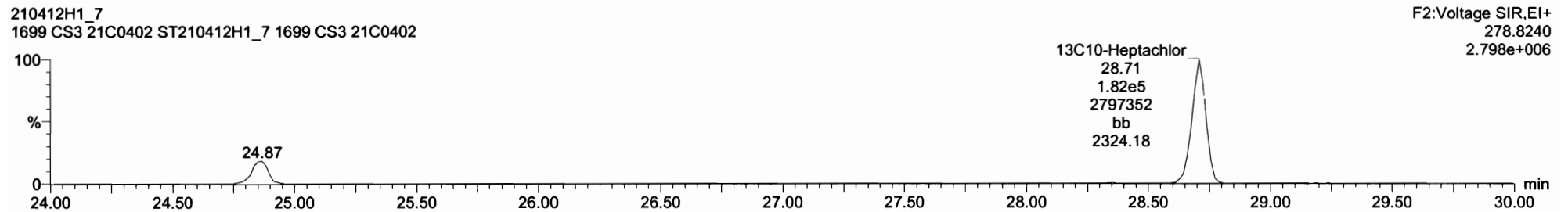
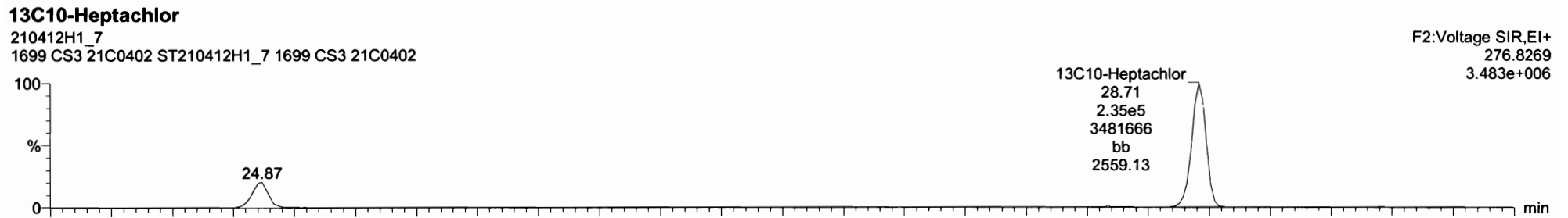
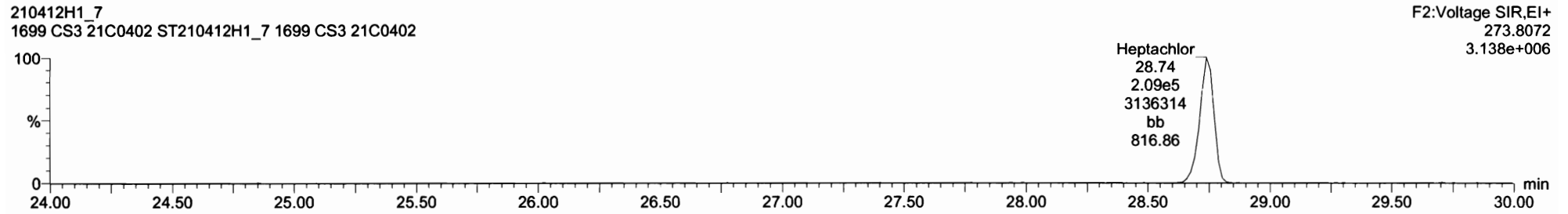
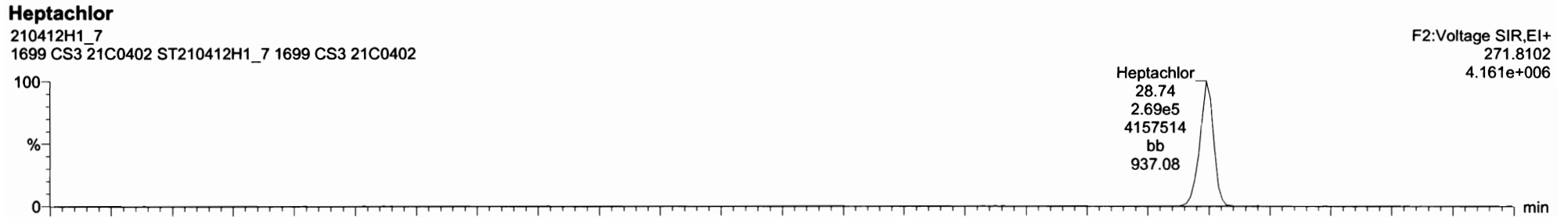


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

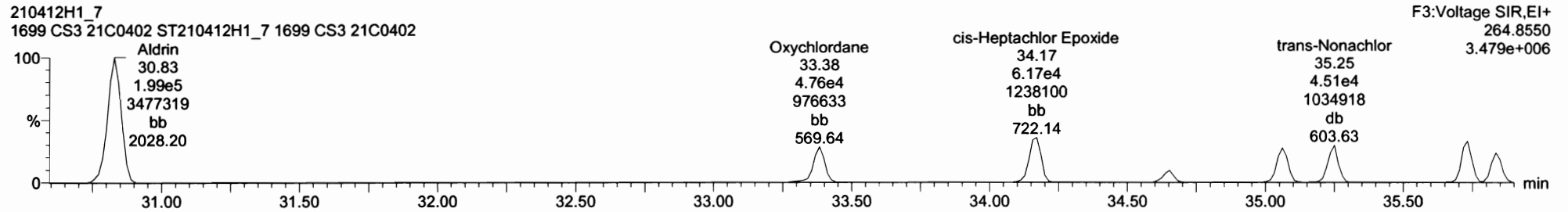
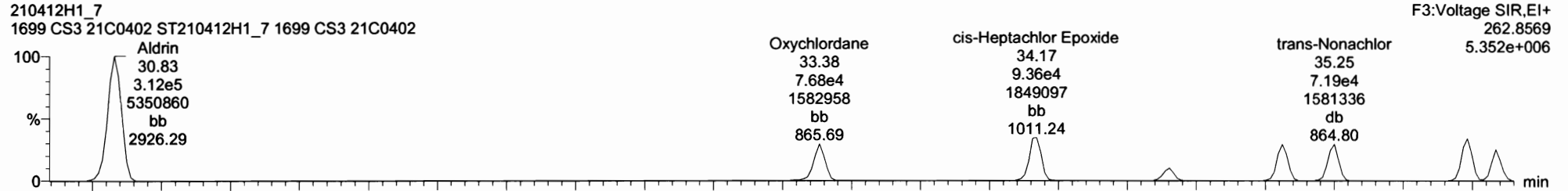


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

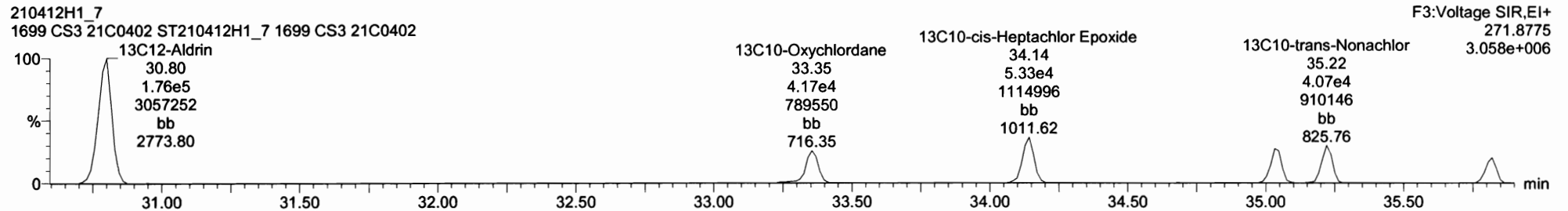
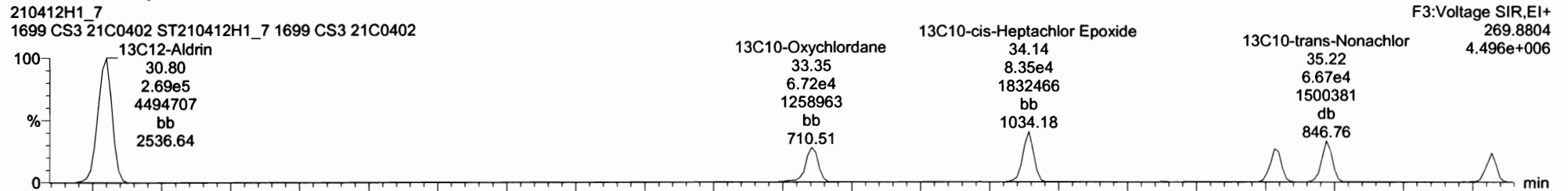
Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Aldrin-EI**



**Aldrin-EI-isotopes**



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

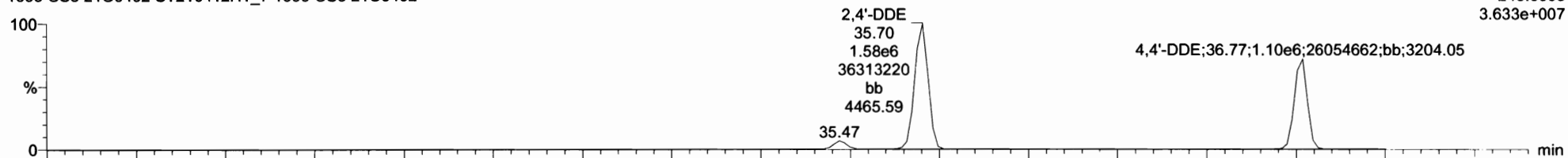
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**DDMU-DDE**

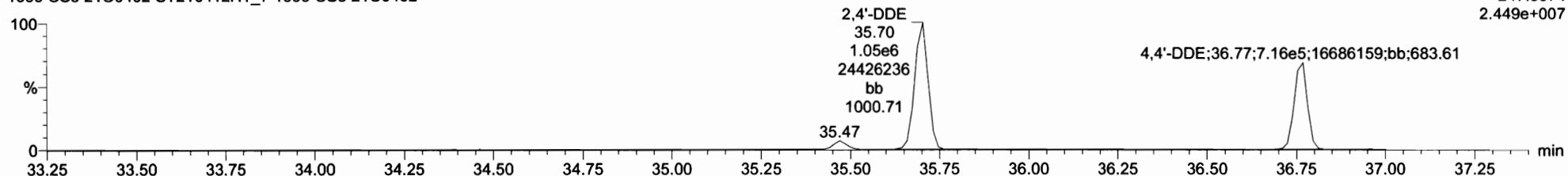
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F3:Voltage SIR,EI+  
246.0003  
3.633e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

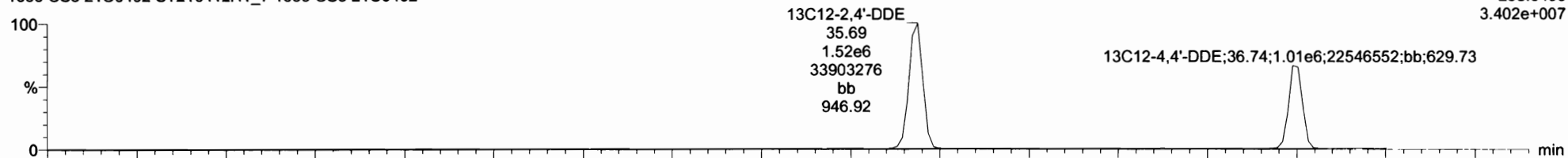
F3:Voltage SIR,EI+  
247.9974  
2.449e+007



**DDE-isotopes**

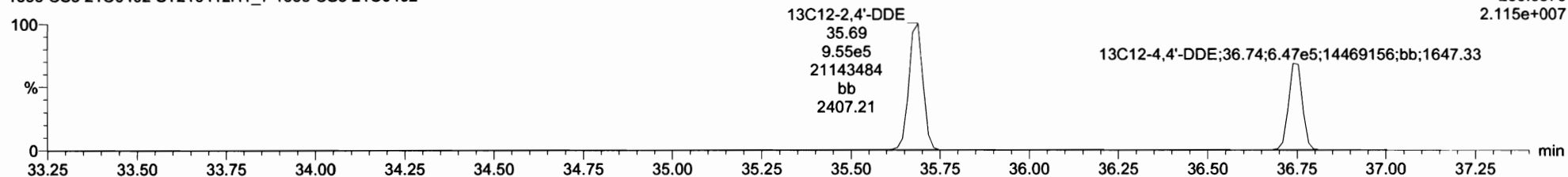
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F3:Voltage SIR,EI+  
258.0406  
3.402e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F3:Voltage SIR,EI+  
260.0376  
2.115e+007



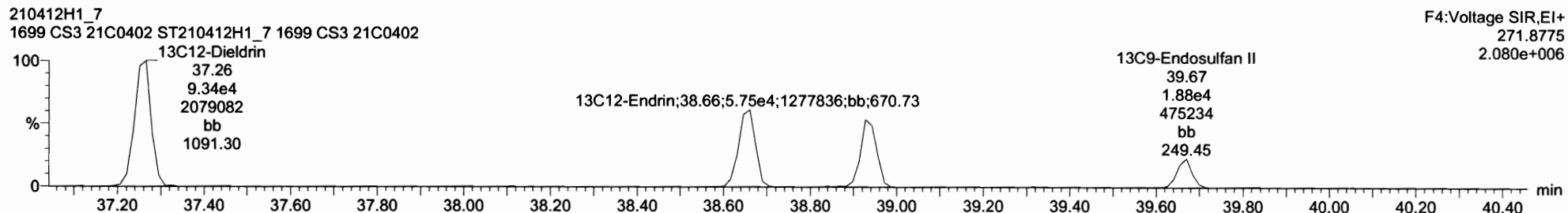
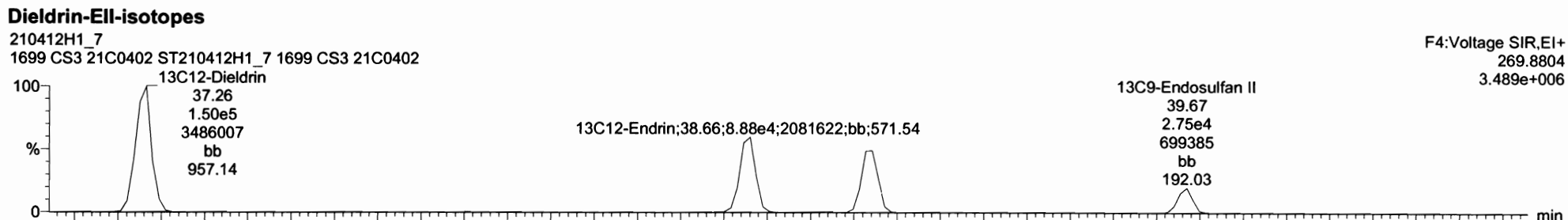
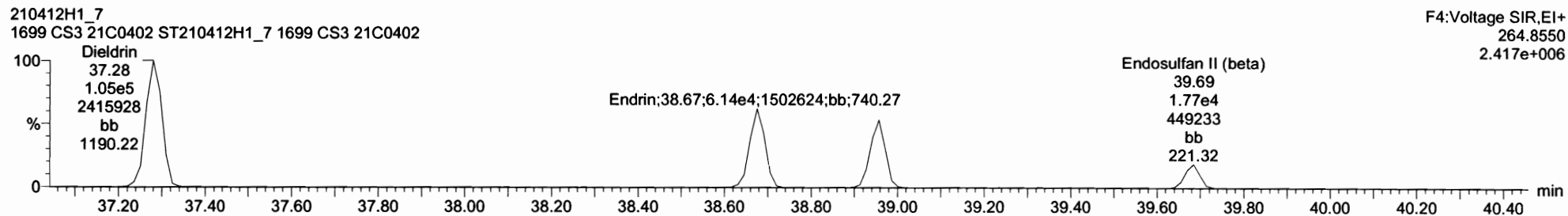
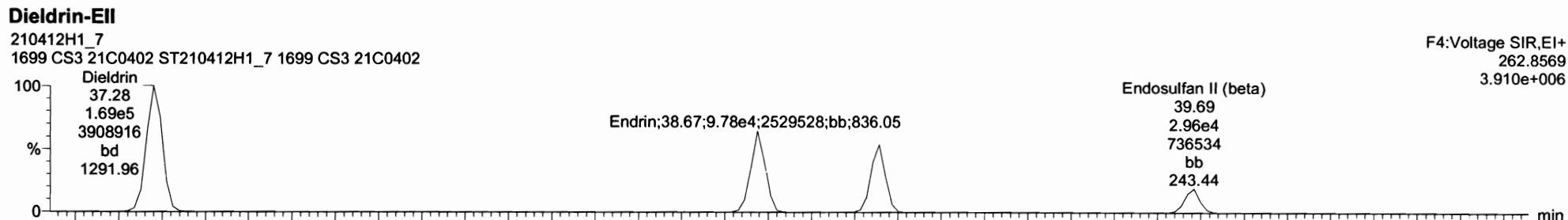


Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

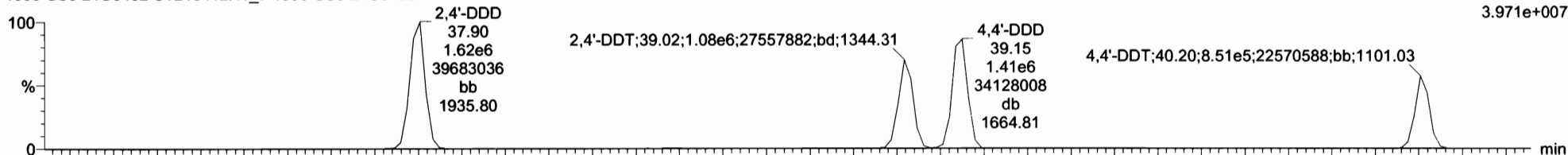
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT

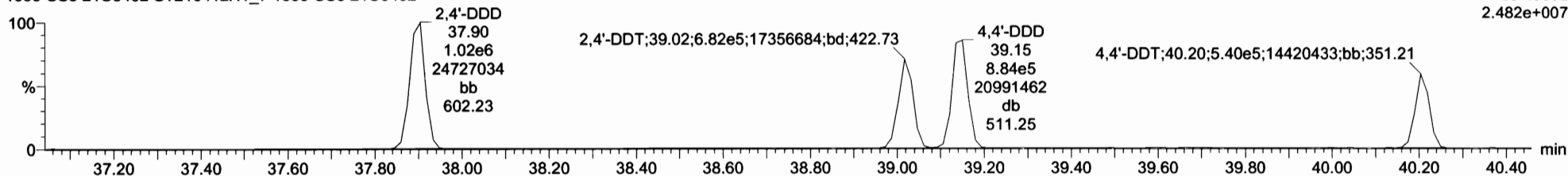
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F4:Voltage SIR,EI+  
235.0081  
3.971e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

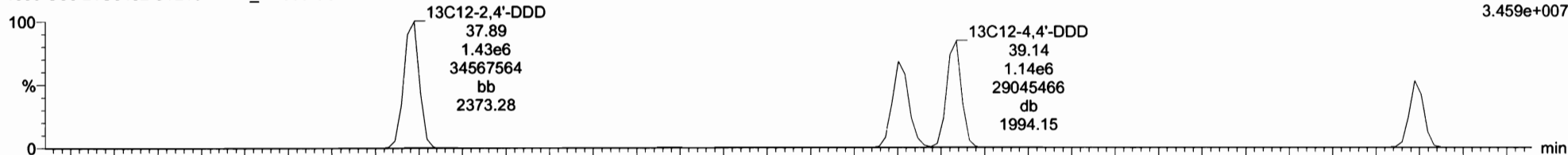
F4:Voltage SIR,EI+  
237.0052  
2.482e+007



DDD-DDT-isotopes

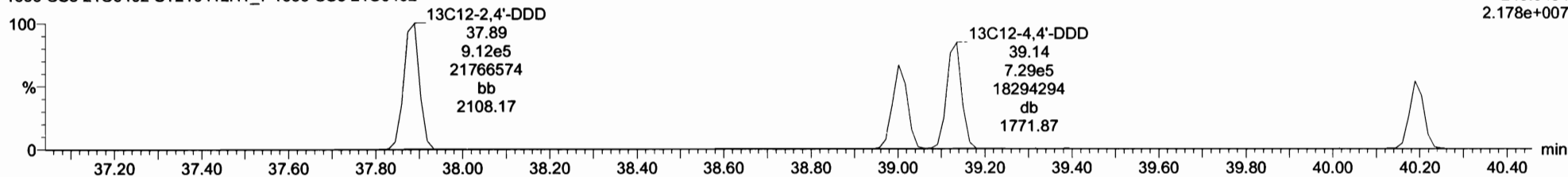
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F4:Voltage SIR,EI+  
247.0484  
3.459e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F4:Voltage SIR,EI+  
249.0454  
2.178e+007



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

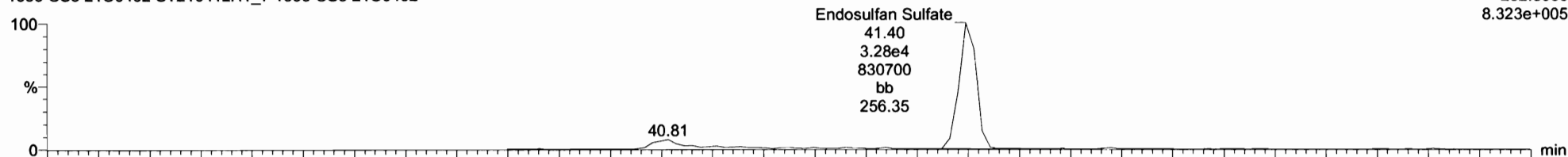
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Endosulfan Sulfate**

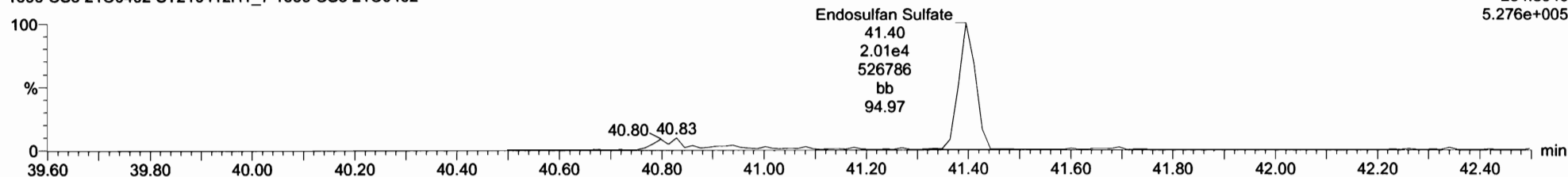
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
262.8569  
8.323e+005



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

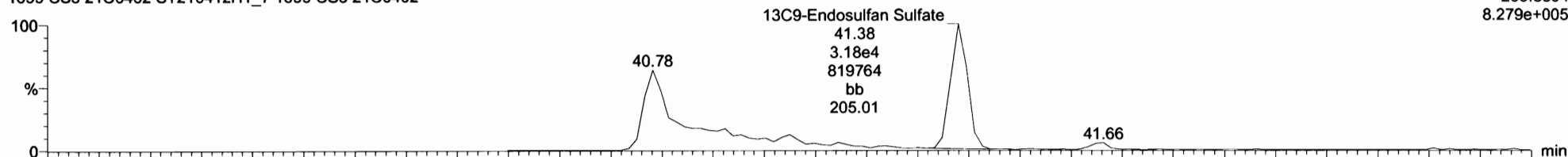
F5:Voltage SIR,EI+  
264.8540  
5.276e+005



**13C9-Endosulfan Sulfate**

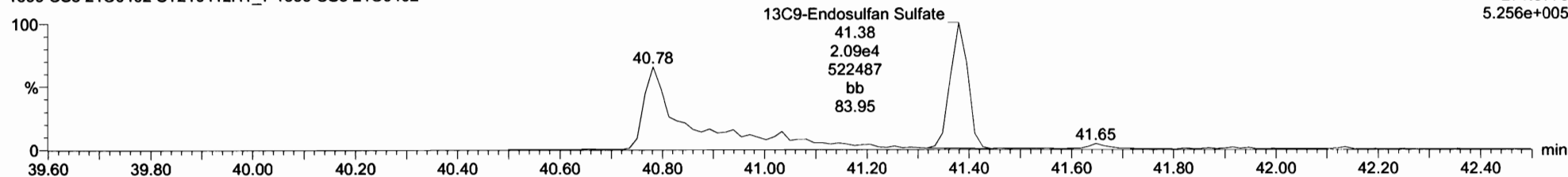
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
269.8804  
8.279e+005



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
271.8775  
5.256e+005



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

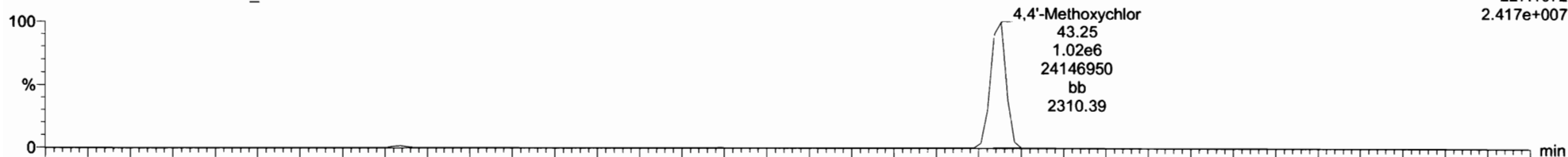
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**4,4'-Methoxychlor**

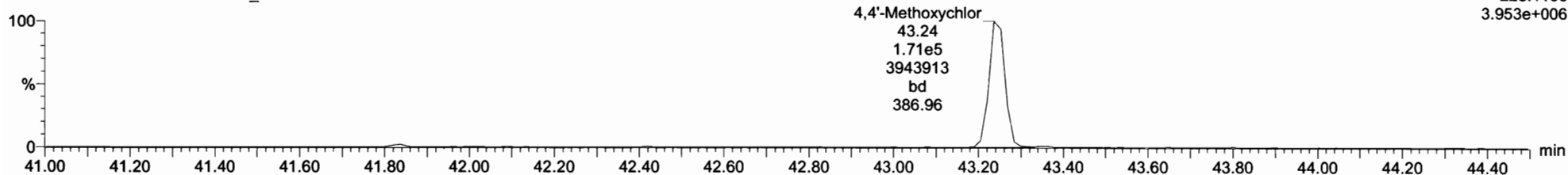
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
227.1072  
2.417e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

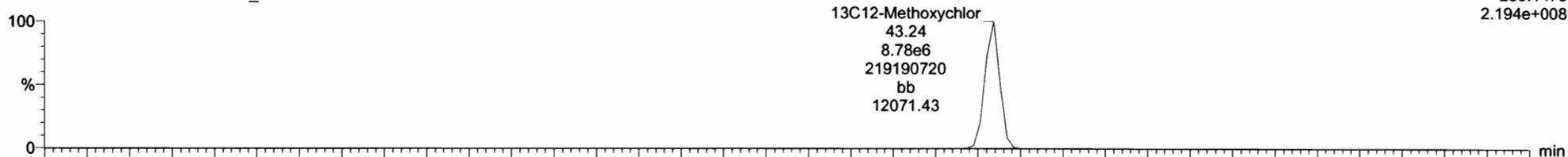
F5:Voltage SIR,EI+  
228.1106  
3.953e+006



**13C12-Methoxychlor**

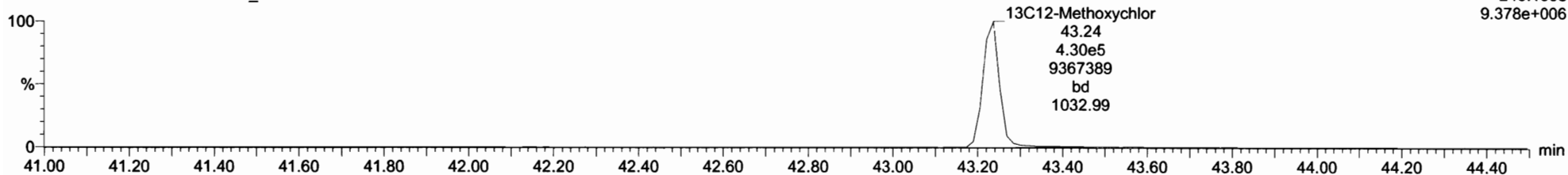
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
239.1475  
2.194e+008



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
240.1508  
9.378e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

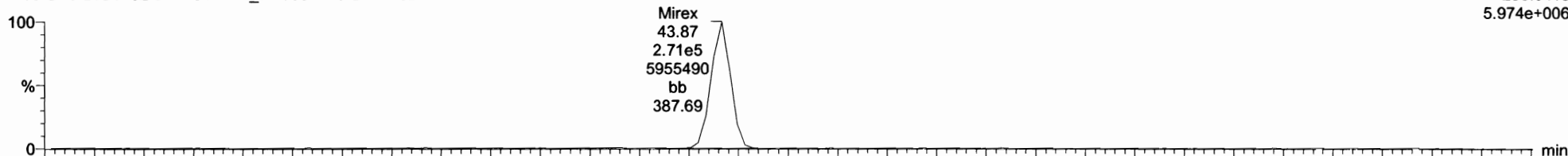
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**Mirex**

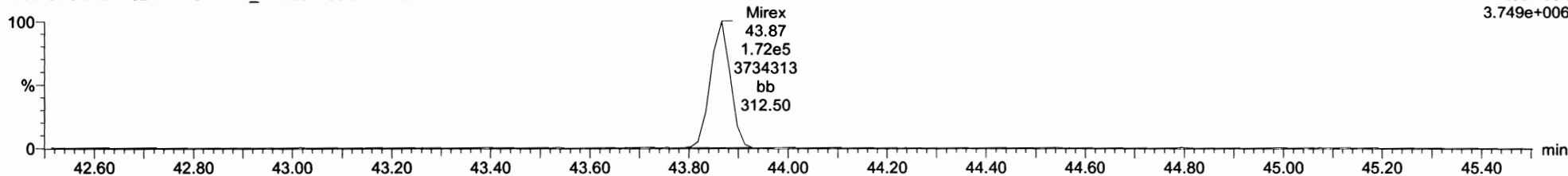
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
236.8413  
5.974e+006



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

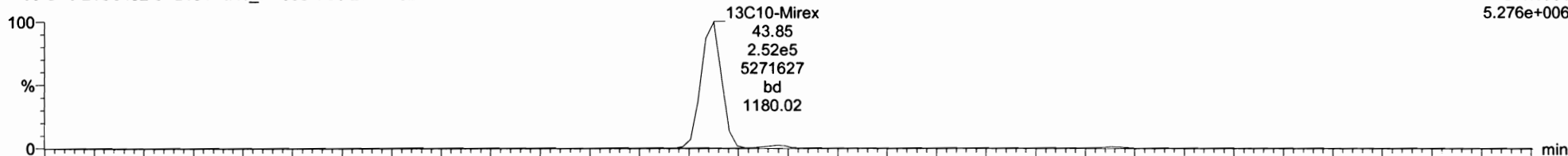
F5:Voltage SIR,EI+  
238.8384  
3.749e+006



**13C10-Mirex**

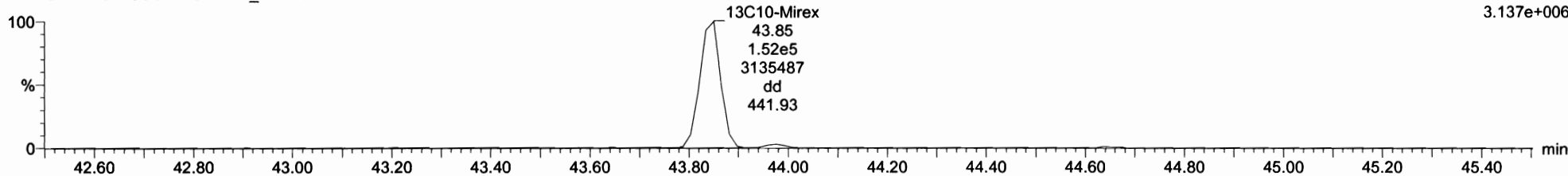
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
241.8581  
5.276e+006



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
243.8551  
3.137e+006



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

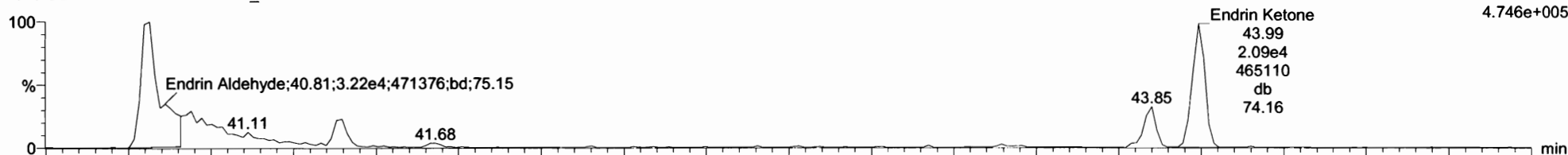
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK

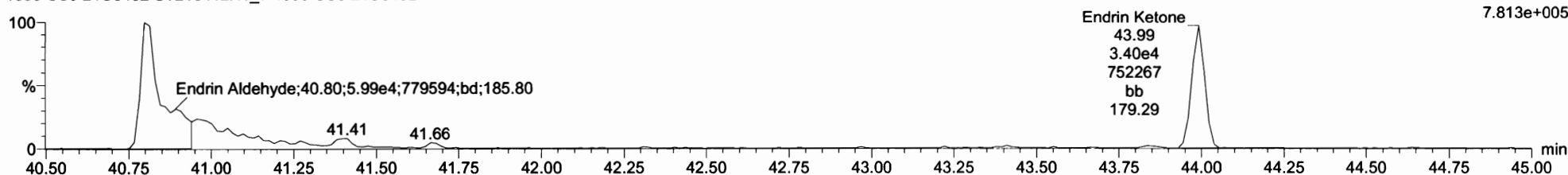
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
247.8521  
4.746e+005



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

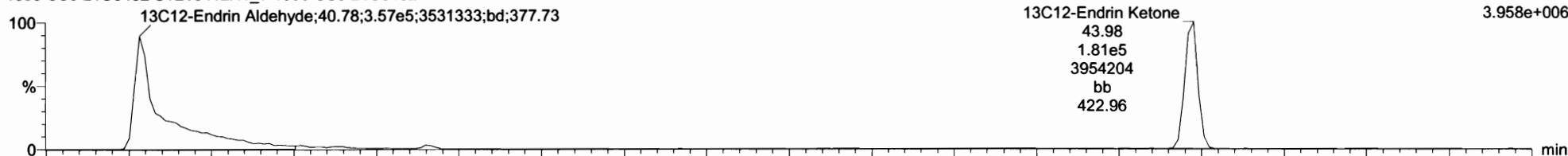
F5:Voltage SIR,EI+  
249.8491  
7.813e+005



EA-EK-isotopes

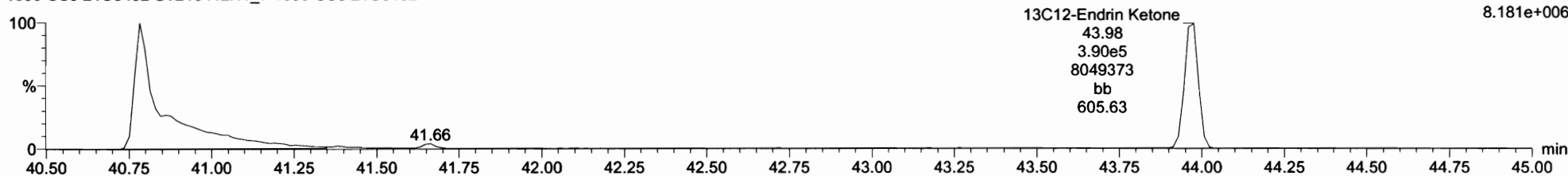
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
253.8722  
3.958e+006

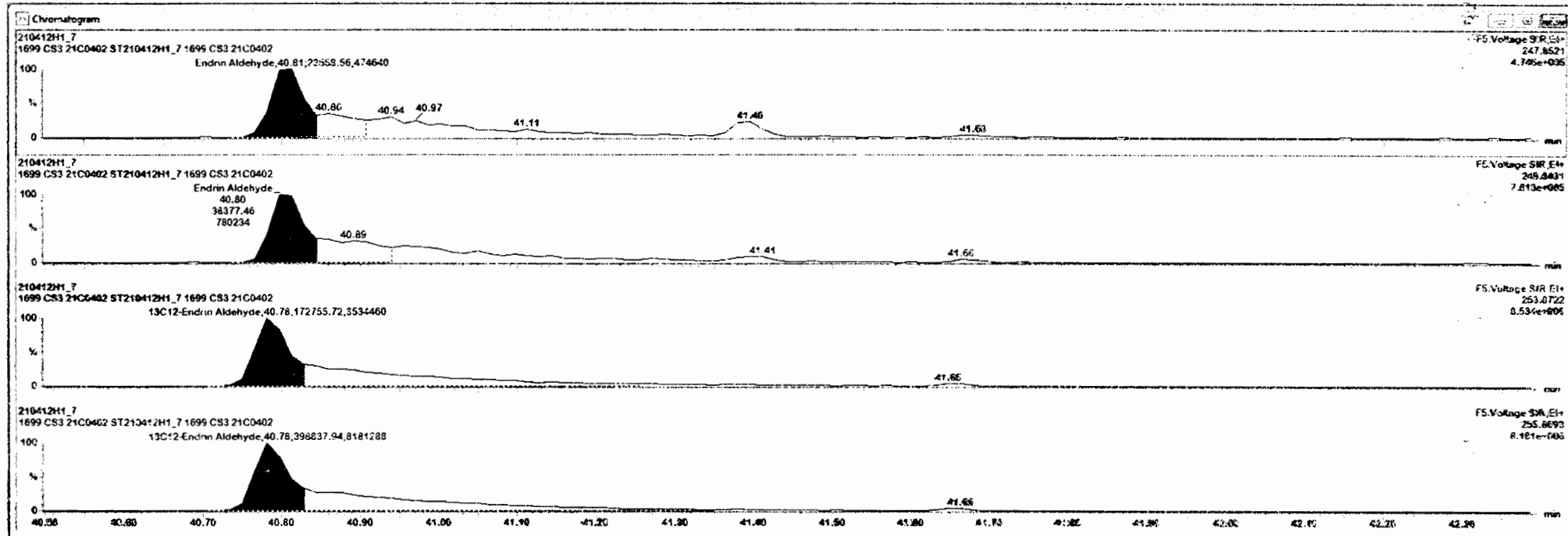


210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F5:Voltage SIR,EI+  
255.8693  
8.181e+006



#	Name	RT	CU	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
31	Endrin Aldehyde	40.81	0.614	NO	6.1928e4	5.7159e5	50.000	5.2	10.7	1.00	0.110
32	Endrin ketone	41.95	0.712	NO	5.4557e4	5.7102e5	50.000	7.5	4.75	0.924	0.0473
33	13C12-Hexachlorob. lactone	9.99	1.24F	NO	4.0528e5	2.5601e6	500.000	26.7	29.1	0.180	0.0467
34	13C12-Hexachlorobenzene	22.59	1.257	NO	2.5570e5	2.5601e6	50.000	0.2	1.35	0.367	0.2115
35	13C12-Alpha-BHC	21.27	0.777	NO	7.8932e5	2.5601e6	50.000	1.1	2.63	0.250	0.00336
36	13C12-Lindane (gamma)	28.57	0.800	NO	6.8925e5	2.5601e6	50.000	-0.8	3.92	0.194	0.00759
37	13C12-Beta-BHC	29.55	0.763	NO	4.1759e5	2.5601e6	50.000	-1.5	5.67	0.144	0.00815
38	13C12-Delta-BHC	30.25	0.755	NO	4.8278e5	2.5601e6	50.000	-2.4	7.85	0.188	0.0102
39	13C12-Heptachlor	28.71	1.260	NO	4.1670e5	2.5601e6	50.000	4.8	6.62	0.148	0.0101
40	13C12-Lindrin	30.80	1.528	NO	4.4585e5	2.5601e6	50.000	-1.9	2.96	0.154	0.00456
41	13C12-Oxychlorane	33.34	1.011	NO	1.0202e5	2.5601e6	50.000	-2.7	5.24	0.0404	0.00333
42	13C12-Delta-tectachlor Epi	34.14	1.566	NO	1.3687e5	2.5601e6	50.000	-5.9	5.66	0.0450	0.00228



Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

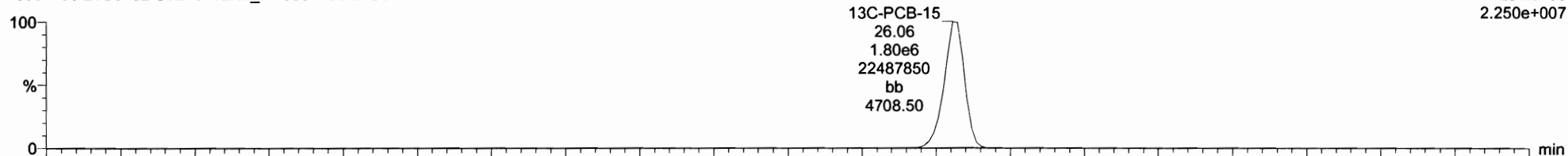
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**13C-PCB-15**

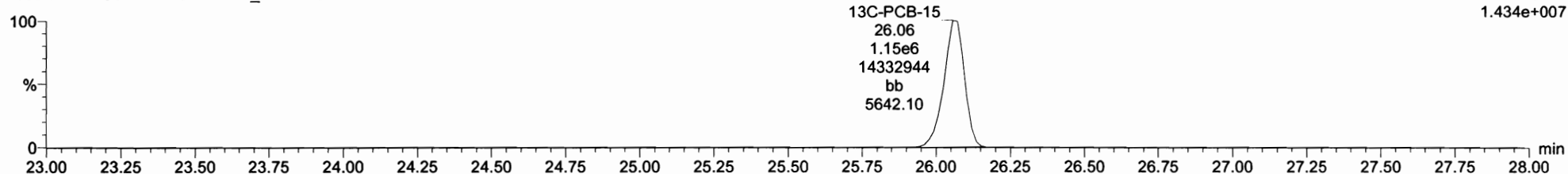
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F2:Voltage SIR,EI+  
234.0406  
2.250e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

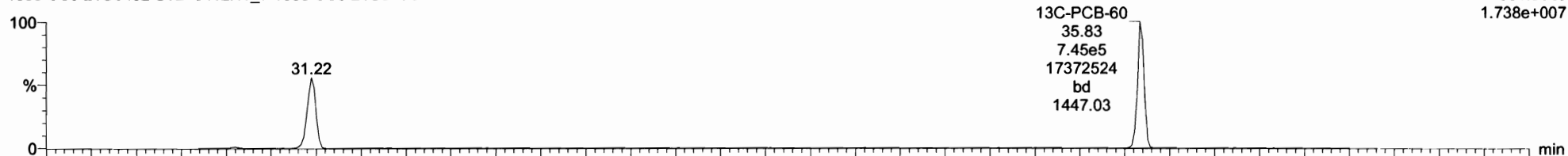
F2:Voltage SIR,EI+  
236.0376  
1.434e+007



**13C-PCB-60**

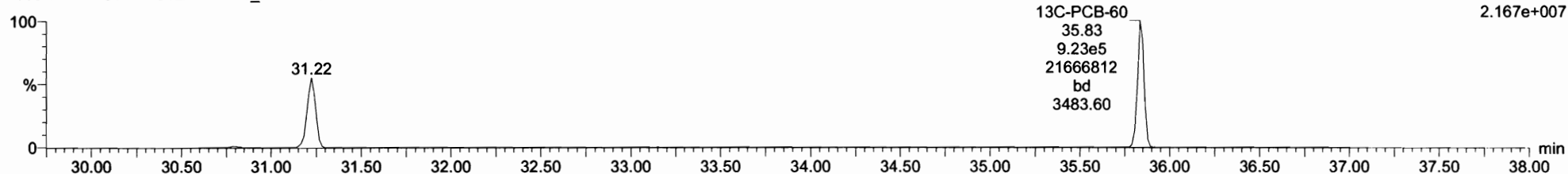
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F3:Voltage SIR,EI+  
301.9626  
1.738e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F3:Voltage SIR,EI+  
303.9597  
2.167e+007





Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

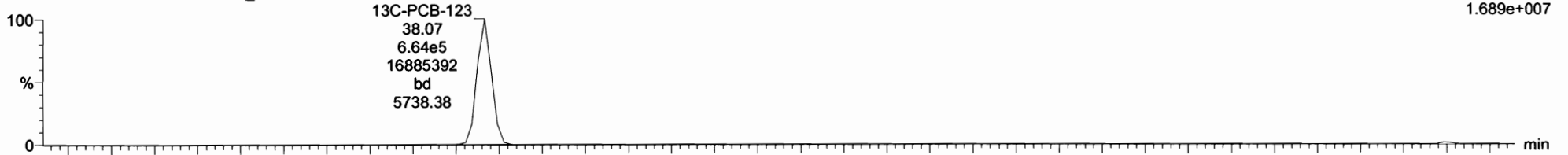
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

**13C-PCB-123**

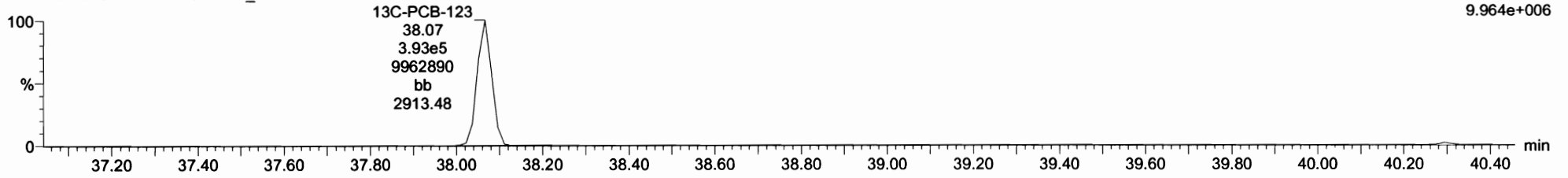
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F4:Voltage SIR,EI+  
337.9210  
1.689e+007



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

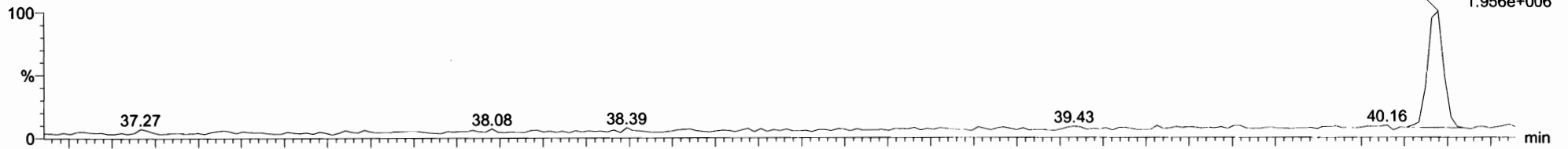
F4:Voltage SIR,EI+  
339.9180  
9.964e+006



**13C-PARLAR 39**

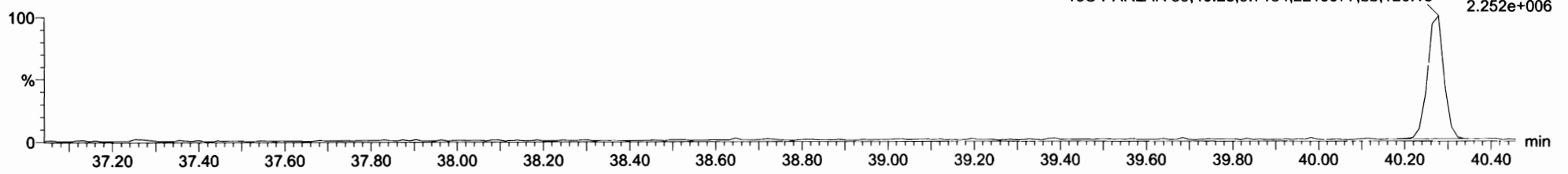
210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F4:Voltage SIR,EI+  
251.9648  
1.956e+006  
13C-PARLAR 39;40.28;7.79e4;1813025;bb;46.66



210412H1\_7  
1699 CS3 21C0402 ST210412H1\_7 1699 CS3 21C0402

F4:Voltage SIR,EI+  
253.9619  
2.252e+006  
13C-PARLAR 39;40.28;9.71e4;2219077;bb;120.19



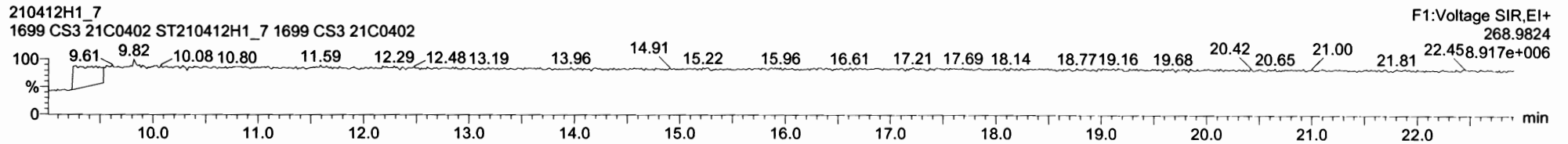
Dataset: U:\vg10.PRO\Results\210412H1\210412H1\_CRV.qld

Last Altered: Tuesday, April 13, 2021 09:35:52 Pacific Daylight Time

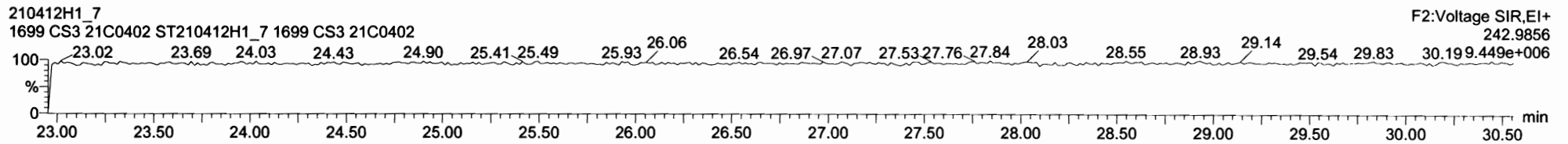
Printed: Tuesday, April 13, 2021 09:42:56 Pacific Daylight Time

Name: 210412H1\_7, Date: 12-Apr-2021, Time: 19:51:12, ID: ST210412H1\_7 1699 CS3 21C0402, Description: 1699 CS3 21C0402

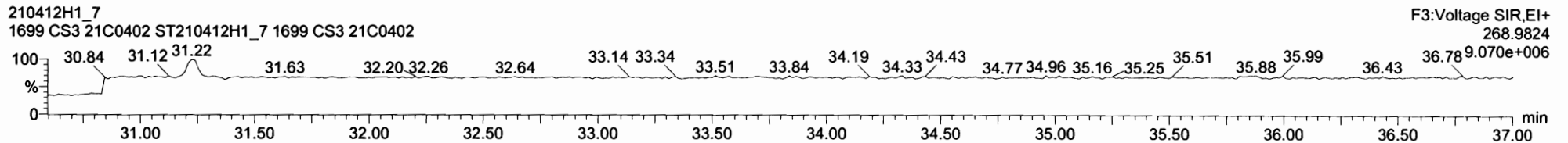
**PFK1**



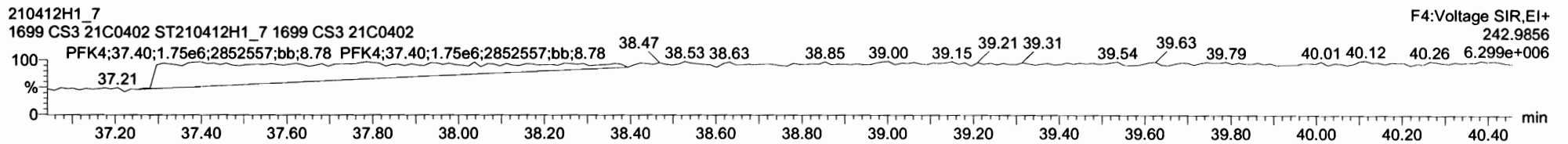
**PFK2**



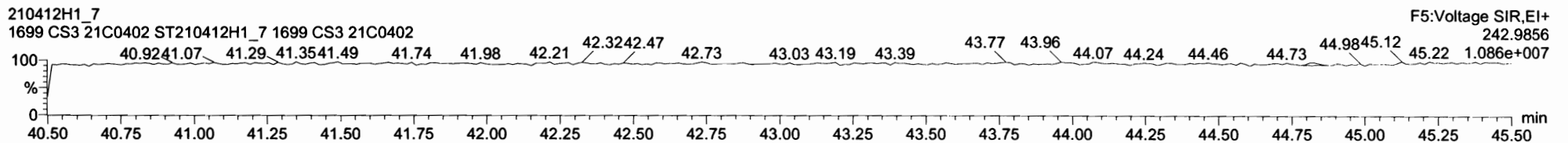
**PFK3**



**PFK4**

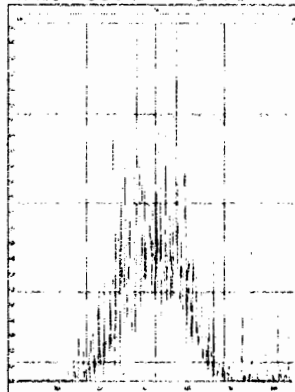


**PFK5**

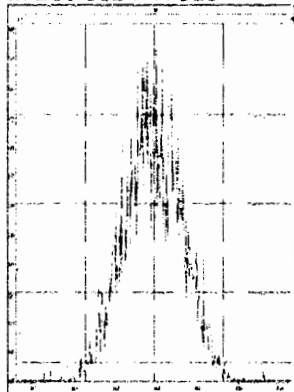


Printed: Tuesday, April 13, 2021 08:19:43 Pacific Daylight Time

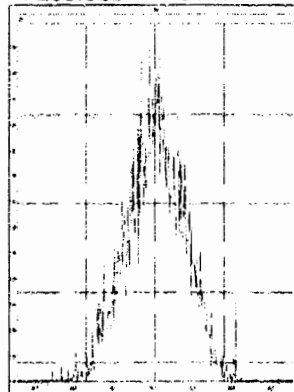
M 254.9856 R 10178



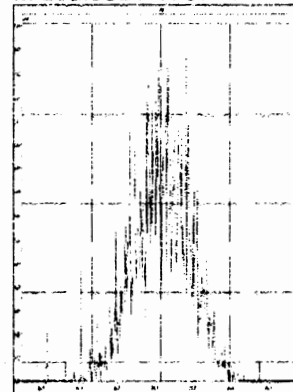
M 268.9824 R 9254



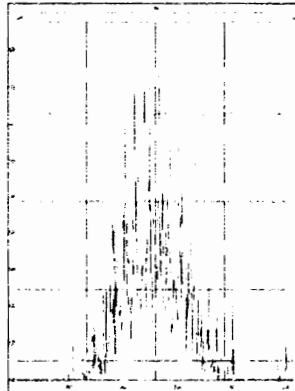
M 280.9824 R 9147



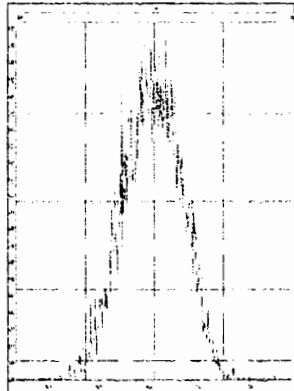
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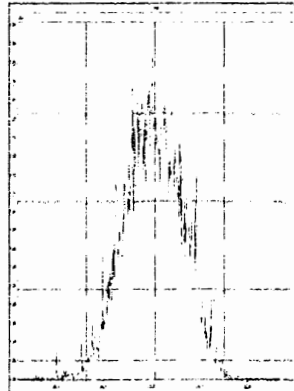
M 204.9888 R 10931



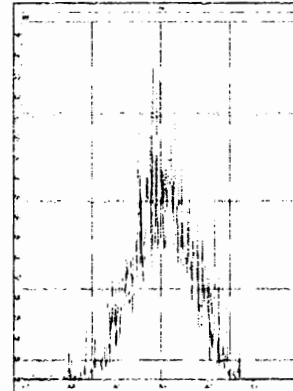
M 218.9856 R 8368



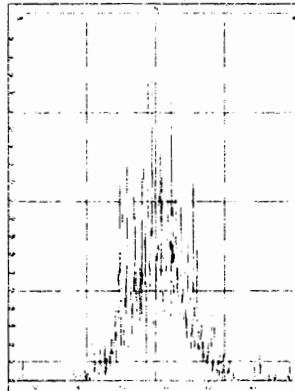
M 230.9856 R 8792



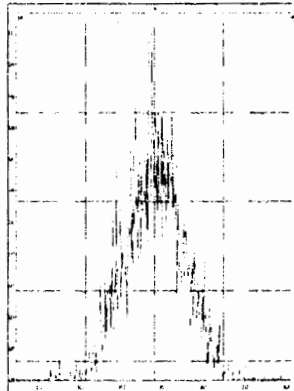
M 242.9856 R 9255



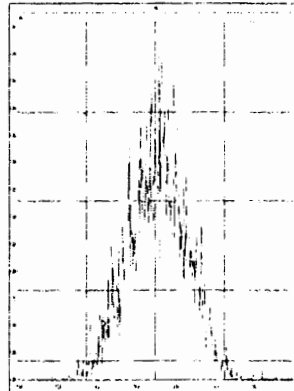
M 254.9856 R 9219



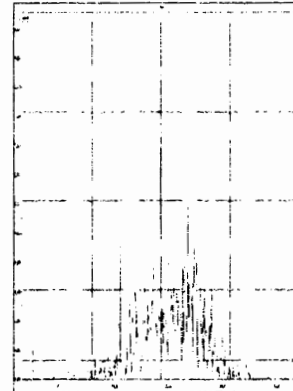
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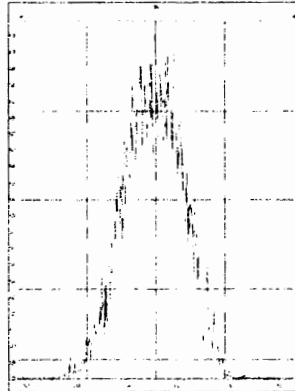
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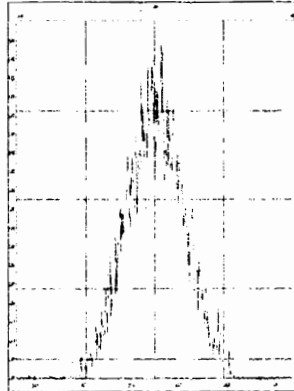
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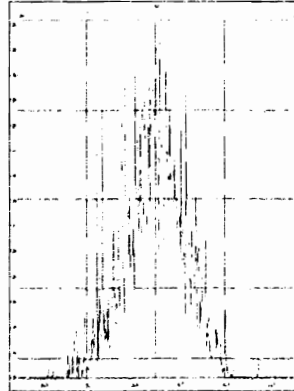
M 218.9856 R 8368



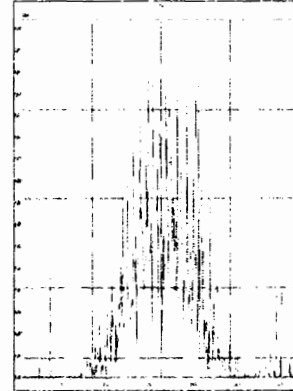
M 230.9856 R 8852



M 242.9856 R 9689

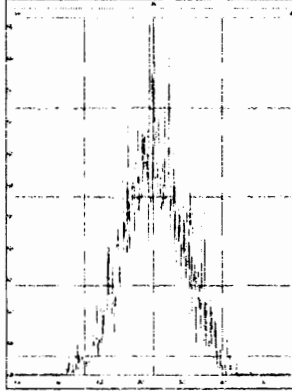


M 254.9856 R 10972

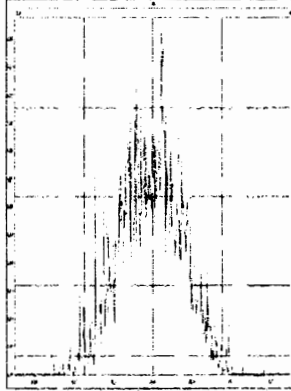


Printed: Tuesday, April 13, 2021 08:19:43 Pacific Daylight Time

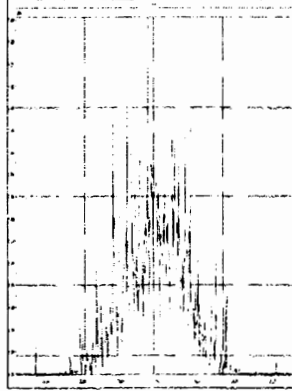
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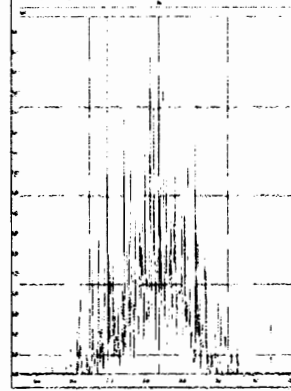
M 280.9824 R 9132



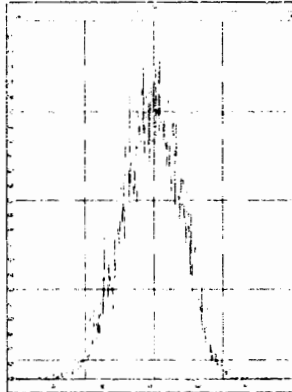
M 292.9824 R 10206



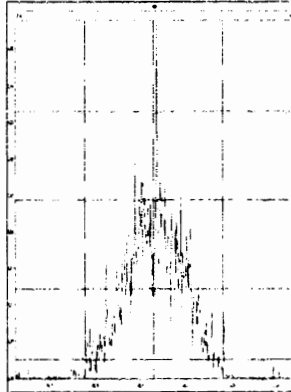
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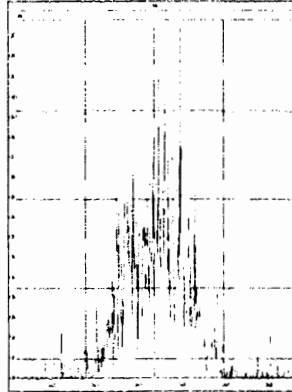
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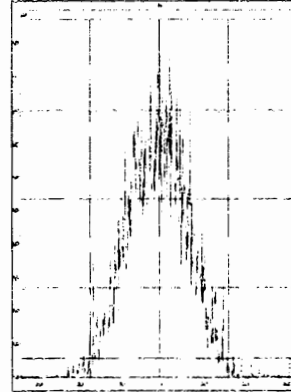
M 242.9856 R 9102



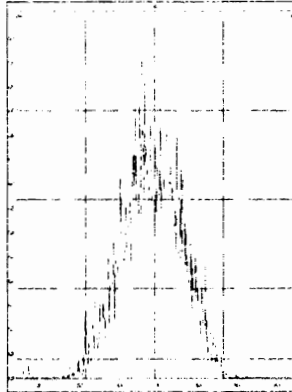
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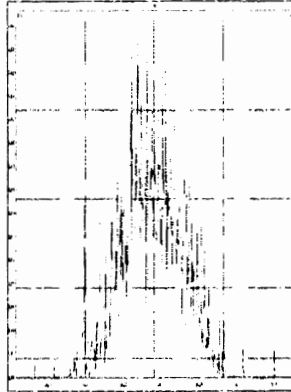
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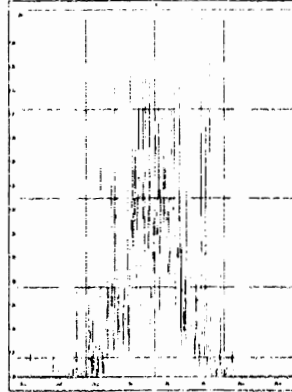
M 280.9824 R 8714



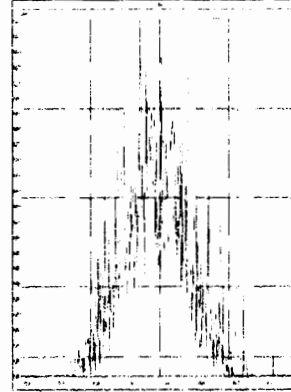
M 292.9824 R 9471



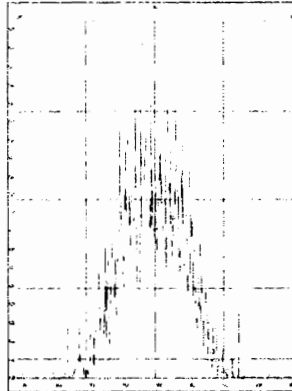
M 304.9824 R 14056



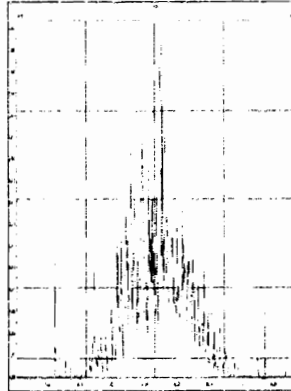
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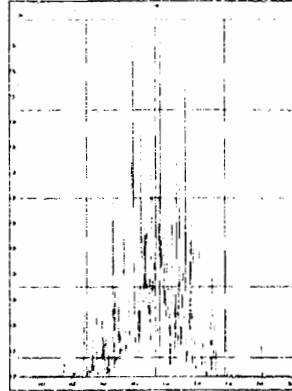
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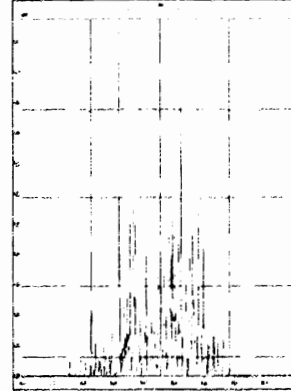
M 342.9792 R 9684



M 354.9792 R 36641

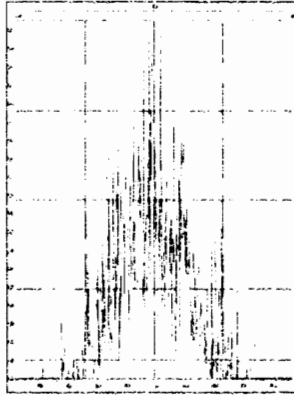


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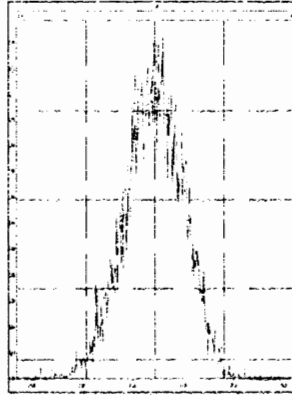


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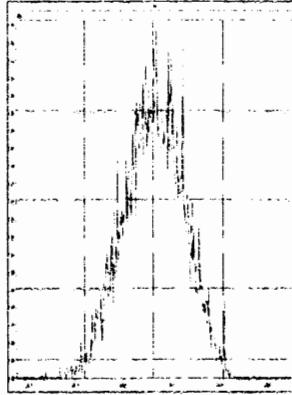
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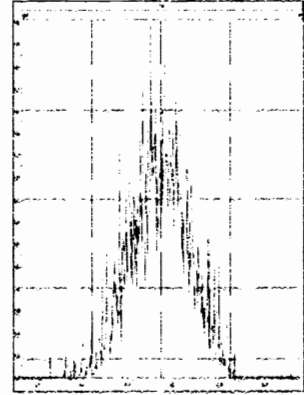
M 218.9856 R 8351



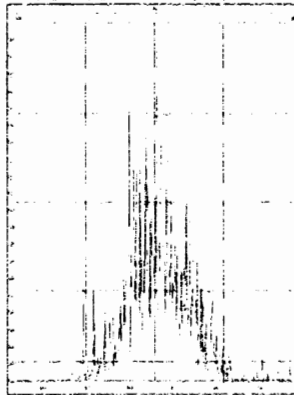
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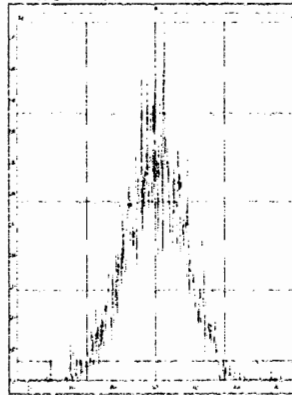
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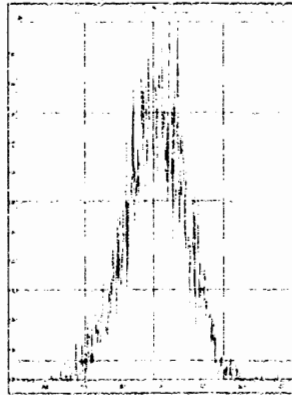
M 254.9856 R 12854



M 268.9824 R 9391



M 280.9824 R 8968



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 14:50:01 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 14:50:38 Pacific Daylight Time

DF04/13/21  
HN 04/13/21

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49

Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210412H1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	6.74e6	3.39e6	1.27	NO	0.984	1.000	22.71	1.001	1.000	NO	101.19	101	0.00106	101
2	3 Alpha-BHC	1.70e6	1.01e6	2.10	NO	0.827	1.000	23.26	1.001	1.001	NO	101.38	101	0.0547	101
3	4 Lindane (gamma-...	1.27e6	7.46e5	2.11	NO	0.860	1.000	26.60	1.001	1.000	NO	99.155	99.2	0.0797	99.2
4	5 Beta-BHC	1.06e6	5.39e5	2.10	NO	0.998	1.000	28.61	1.001	1.001	NO	98.795	98.8	0.0839	98.8
5	6 Delta-BHC	1.17e6	6.19e5	2.13	NO	0.907	1.000	30.27	1.001	1.001	NO	103.93	104	0.0759	104
6	7 Heptachlor	1.14e6	5.22e5	1.28	NO	1.10	1.000	28.74	1.001	1.001	NO	99.114	99.1	0.0277	99.1
7	9 Aldrin	1.22e6	5.59e5	1.56	NO	1.09	1.000	30.83	1.001	1.001	NO	100.38	100	0.0207	100
8	10 Oxychlorane	3.23e5	1.48e5	1.58	NO	1.06	1.000	33.38	1.001	1.001	NO	102.80	103	0.0639	103
9	11 cis-Heptachlor Ep...	4.00e5	1.79e5	1.58	NO	1.08	1.000	34.17	1.001	1.001	NO	104.07	104	0.0502	104
10	12 trans-Heptachlor E...	1.11e5	1.79e5	1.57	NO	0.291	1.000	34.65	1.015	1.016	NO	106.36	106	0.186	106
11	13 trans-Chlordane (g...	3.00e5	1.29e5	1.60	NO	1.14	1.000	35.06	1.001	1.001	NO	102.32	102	0.0707	102
12	14 trans-Nonachlor	3.18e5	1.43e5	1.60	NO	1.06	1.000	35.25	1.001	1.000	NO	105.14	105	0.0650	105
13	15 cis-Chlordane	3.45e5	1.43e5	1.56	NO	1.16	1.000	35.73	1.014	1.016	NO	103.74	104	0.0591	104
14	16 Endosulfan I (alpha)	2.42e5	1.04e5	1.55	NO	1.23	1.000	35.83	1.000	1.001	NO	94.683	94.7	0.0771	94.7
15	18 2,4'-DDE	6.74e6	3.37e6	1.51	NO	1.02	1.000	35.70	1.000	1.000	NO	97.643	97.6	0.0278	97.6
16	19 4,4'-DDE	4.55e6	2.25e6	1.53	NO	1.04	1.000	36.77	1.000	1.000	NO	97.333	97.3	0.0394	97.3
17	20 Dieldrin	6.91e5	3.25e5	1.60	NO	1.03	1.000	37.28	1.000	1.001	NO	103.20	103	0.0700	103
18	21 Endrin	4.63e5	2.29e5	1.60	NO	1.01	1.000	38.68	1.000	1.001	NO	100.32	100	0.0913	100
19	22 cis-Nonachlor	3.45e5	1.67e5	1.61	NO	1.00	1.000	38.96	1.000	1.000	NO	102.92	103	0.129	103
20	23 Endosulfan II (beta)	1.21e5	6.13e4	1.69	NO	1.07	1.000	39.68	1.000	1.000	NO	92.072	92.1	0.310	92.1
21	24 2,4'-DDD	6.54e6	3.04e6	1.58	NO	1.07	1.000	37.90	1.000	1.000	NO	100.93	101	0.0487	101
22	25 2,4'-DDT	4.43e6	1.94e6	1.57	NO	1.05	1.000	39.02	1.000	1.000	NO	108.87	109	0.0736	109
23	26 4,4'-DDD	5.72e6	2.47e6	1.59	NO	1.16	1.000	39.15	1.000	1.000	NO	99.641	99.6	0.0509	99.6
24	27 4,4'-DDT	3.57e6	1.58e6	1.57	NO	1.13	1.000	40.20	1.000	1.001	NO	99.710	99.7	0.0850	99.7
25	28 Endosulfan Sulfate	1.55e5	7.29e4	1.55	NO	1.04	1.000	41.40	1.000	1.000	NO	102.60	103	0.316	103
26	29 4,4'-Methoxychlor	3.36e6	1.39e7	5.91	NO	1.22	1.000	43.25	1.000	1.000	NO	99.093	99.1	0.0311	99.1
27	30 Mirex	1.28e6	6.10e5	1.58	NO	1.03	1.000	43.87	1.000	1.001	NO	101.54	102	0.104	102
28	31 Endrin Aldehyde	1.69e5	7.42e5	0.59	NO	1.03	1.000	40.81	1.001	1.000	NO	110.63	111	0.483	111
29	32 Endrin Ketone	1.82e5	8.18e5	0.61	NO	0.926	1.000	43.99	1.000	1.000	NO	120.19	120	0.460	120
30	34 13C6-Hexachlorob...	3.39e6	4.18e6	1.29	NO	0.867	1.000	22.69	0.870	0.871	NO	46.703	93.4	0.00148	93.4
31	35 13C6-Alpha-BHC	1.01e6	4.18e6	0.79	NO	0.258	1.000	23.23	0.891	0.891	NO	46.877	93.8	0.0651	93.8

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50-1501

Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 14:50:01 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 14:50:38 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210412H1

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (ga...	7.46e5	4.18e6	0.79	NO	0.194	1.000	26.57	1.019	1.019	NO	46.014	92.0	0.0868	
33	37 13C6-Beta-BHC	5.39e5	4.18e6	0.80	NO	0.144	1.000	28.60	1.097	1.097	NO	44.806	89.6	0.117	
34	38 13C6-Delta-BHC	6.19e5	4.18e6	0.81	NO	0.168	1.000	30.25	1.160	1.160	NO	44.045	88.1	0.100	
35	39 13C10-Heptachlor	5.22e5	4.18e6	1.29	NO	0.148	1.000	28.71	1.101	1.102	NO	42.029	84.1	0.0341	
36	40 13C12-Aldrin	5.59e5	4.18e6	1.57	NO	0.154	1.000	30.80	1.181	1.181	NO	43.357	86.7	0.0555	
37	41 13C10-Oxychlorda...	1.48e5	4.18e6	1.57	NO	0.0404	1.000	33.35	1.279	1.280	NO	43.822	87.6	0.212	
38	42 13C10-cis-Heptac...	1.79e5	4.18e6	1.59	NO	0.0493	1.000	34.14	1.310	1.310	NO	43.322	86.6	0.174	
39	43 13C10-trans-Chlor...	1.29e5	4.18e6	1.61	NO	0.0358	1.000	35.03	1.344	1.344	NO	43.076	86.2	0.239	
40	44 13C10-trans-Nona...	1.43e5	2.51e6	1.58	NO	0.0638	1.000	35.22	0.983	0.983	NO	44.642	89.3	0.129	
41	45 13C9-Endosulfan I...	1.04e5	2.51e6	1.60	NO	0.0431	1.000	35.82	1.000	1.000	NO	48.150	96.3	0.191	
42	46 13C12-2,4'-DDE	3.37e6	2.51e6	1.57	NO	1.43	1.000	35.69	0.996	0.995	NO	46.821	93.6	0.0344	
43	47 13C12-4,4'-DDE	2.25e6	2.51e6	1.58	NO	0.995	1.000	36.75	1.026	1.026	NO	45.183	90.4	0.0496	
44	48 13C12-Dieldrin	3.25e5	2.51e6	1.59	NO	0.146	1.000	37.27	1.040	1.040	NO	44.319	88.6	0.0644	
45	49 13C12-Endrin	2.29e5	2.51e6	1.63	NO	0.111	1.000	38.66	1.079	1.079	NO	41.238	82.5	0.0851	
46	50 13C10-cis-Nonach...	1.67e5	2.51e6	1.69	NO	0.0791	1.000	38.94	1.087	1.087	NO	42.214	84.4	0.119	
47	51 13C9-Endosulfan II	6.13e4	2.51e6	1.68	NO	0.0267	1.000	39.67	1.107	1.107	NO	45.777	91.6	0.352	
48	52 13C12-2,4'-DDD	3.04e6	2.51e6	1.56	NO	1.35	1.000	37.89	1.057	1.057	NO	44.814	89.6	0.0254	
49	53 13C12-2,4'-DDT	1.94e6	2.51e6	1.60	NO	0.962	1.000	39.00	1.088	1.089	NO	40.299	80.6	0.0357	
50	54 13C12-4,4'-DDD	2.47e6	2.51e6	1.59	NO	1.12	1.000	39.14	1.092	1.092	NO	43.773	87.5	0.0305	
51	55 13C12-4,4'-DDT	1.58e6	2.51e6	1.58	NO	0.735	1.000	40.19	1.122	1.122	NO	42.843	85.7	0.0467	
52	56 13C9-Endosulfan ...	7.29e4	2.51e6	1.51	NO	0.0346	1.000	41.38	1.155	1.156	NO	42.040	84.1	0.365	
53	57 13C12-Methoxychlor	1.39e7	2.51e6	20.10	NO	0.720	1.000	43.24	1.207	1.207	NO	385.22	77.0	0.0526	
54	58 13C10-Mirex	6.10e5	2.51e6	1.59	NO	0.328	1.000	43.85	1.224	1.228	NO	37.106	74.2	0.0439	
55	59 13C12-Endrin Alde...	7.42e5	2.51e6	0.44	NO	0.0336	1.000	40.78	1.138	1.139	NO	440.61	88.1	0.471	
56	60 13C12-Endrin Ket...	8.18e5	2.51e6	0.46	NO	0.0398	1.000	43.98	1.227	1.227	NO	409.69	81.9	0.397	
57	62 13C-PCB-15	4.18e6	4.18e6	1.56	NO	1.00	1.000	26.07	1.000	1.000	NO	50.000	100	0.00825	

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Last Altered: Tuesday, April 13, 2021 14:50:01 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 14:50:43 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED.cdb 13 Apr 2021 11:50:39

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210412H1

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1	63 13C-PCB-60	2.51e6	2.51e6	0.82	NO	1.00	1.000	35.83	1.000	1.000	NO	50.000	100	0.0205	



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

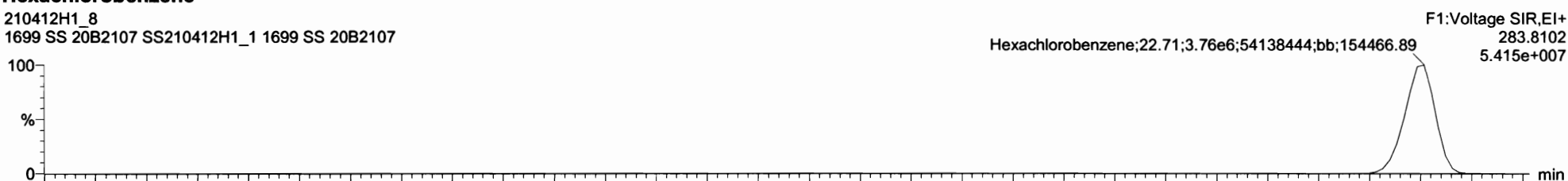
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Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-12-21LIMITED-TEST.cdb 13 Apr 2021 11:14:30

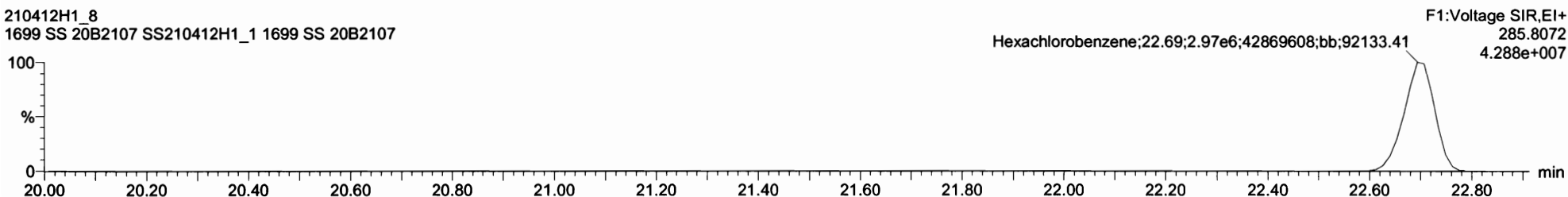
Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**Hexachlorobenzene**

210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

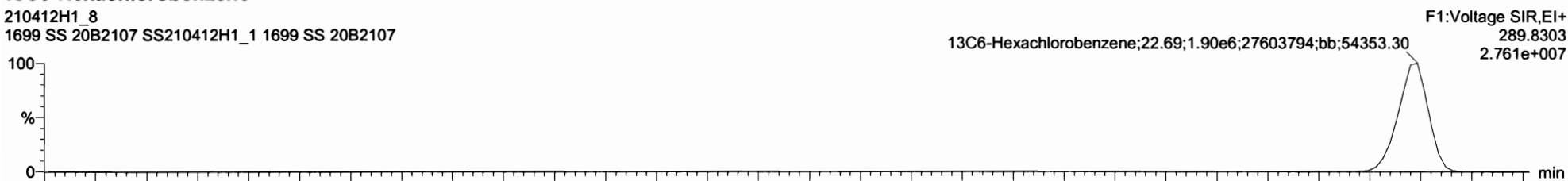


210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

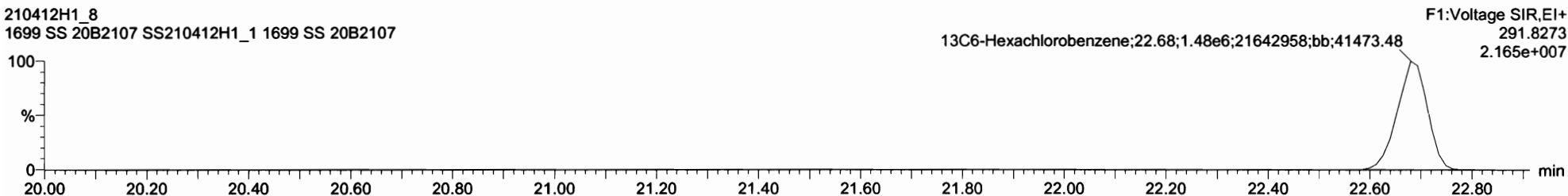


**13C6-Hexachlorobenzene**

210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107



Dataset: Untitled

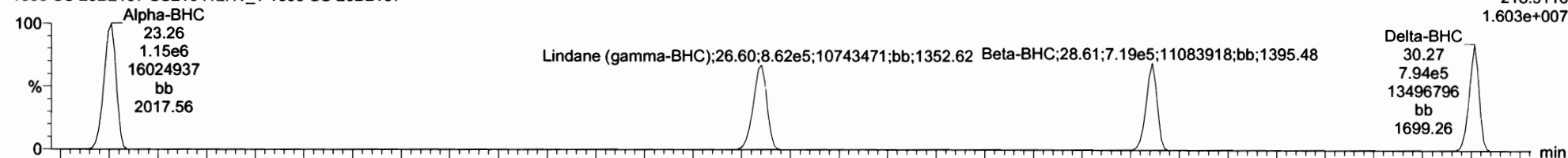
Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

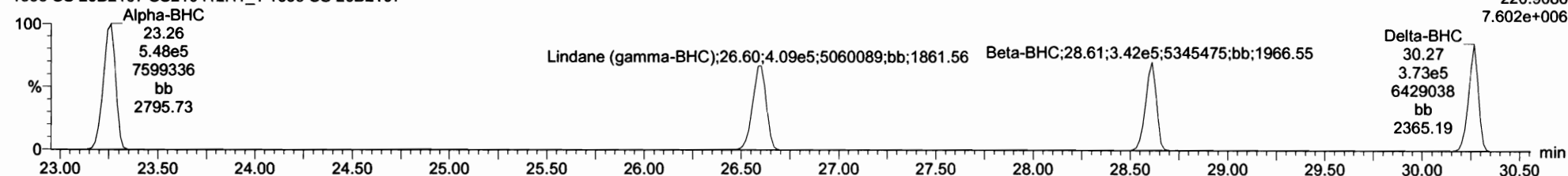
Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

### BHC Totals

210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

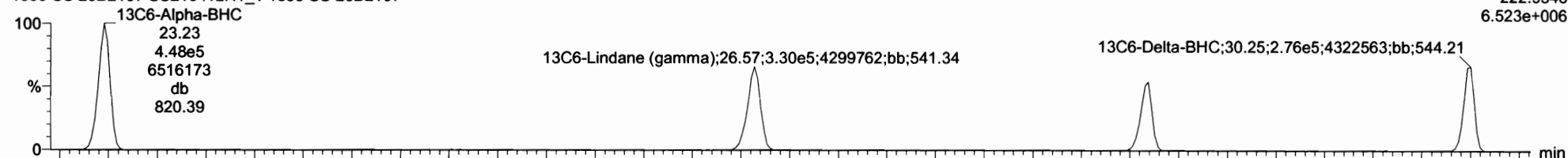


210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

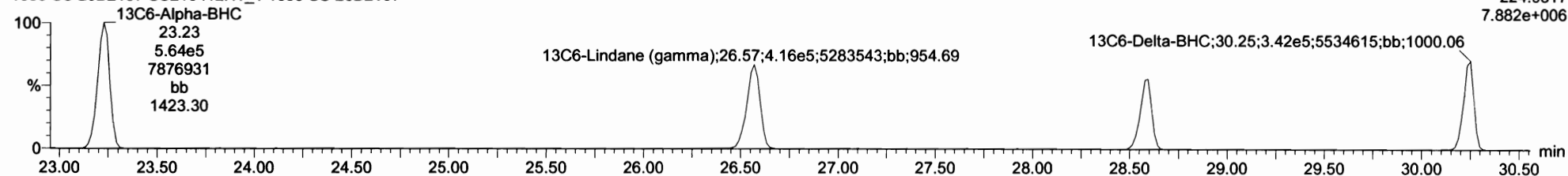


### BHC-isotopes

210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

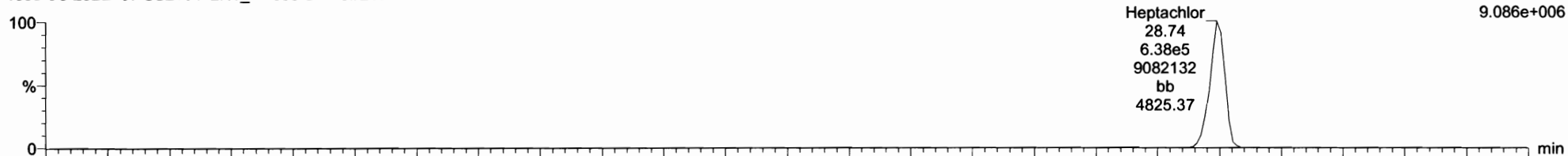
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**Heptachlor**

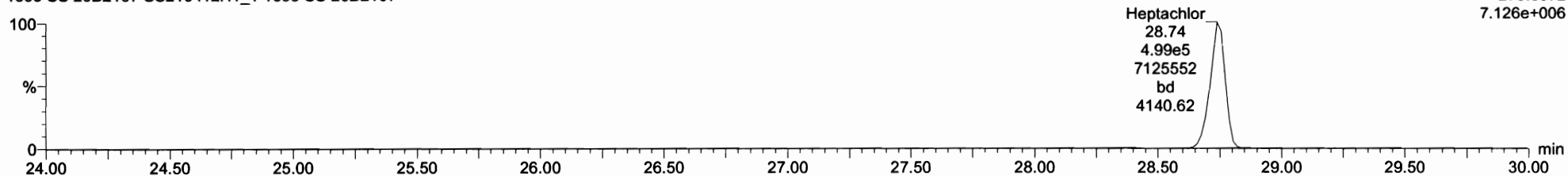
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F2:Voltage SIR,EI+  
271.8102  
9.086e+006



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

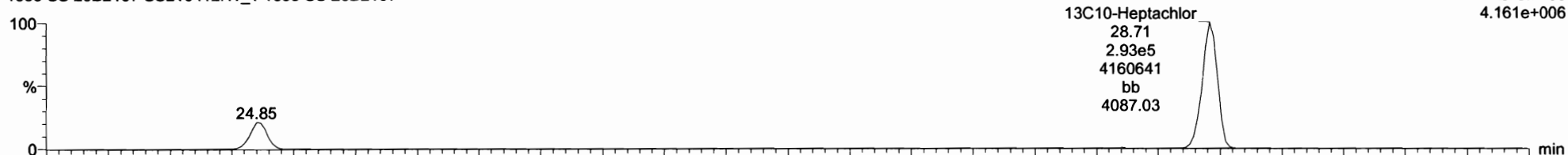
F2:Voltage SIR,EI+  
273.8072  
7.126e+006



**13C10-Heptachlor**

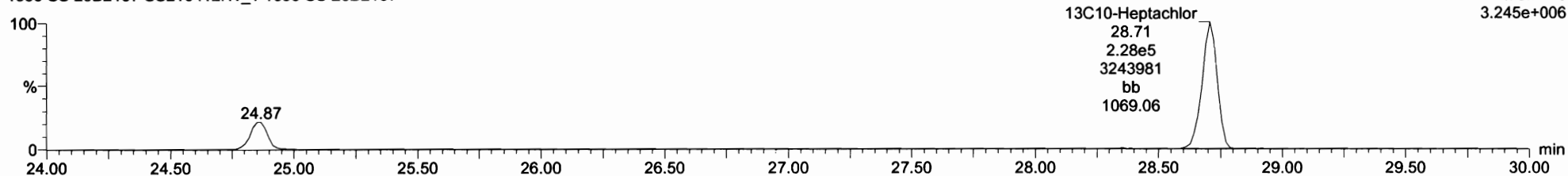
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F2:Voltage SIR,EI+  
276.8269  
4.161e+006



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F2:Voltage SIR,EI+  
278.8240  
3.245e+006



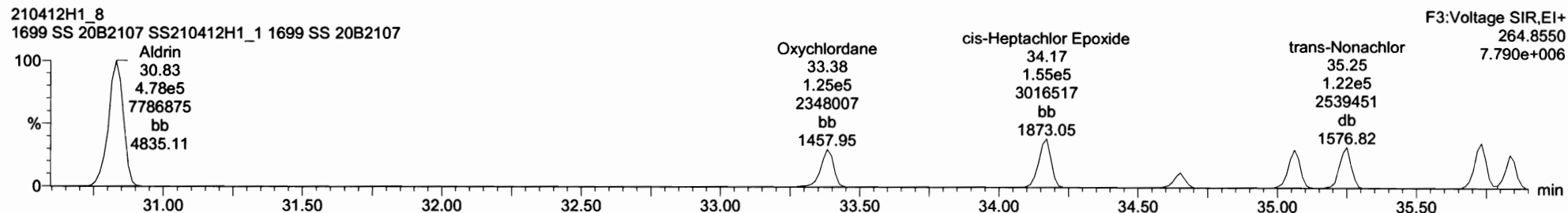
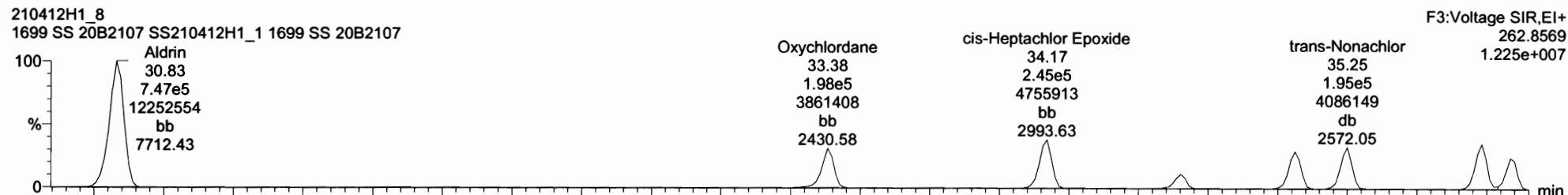
Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

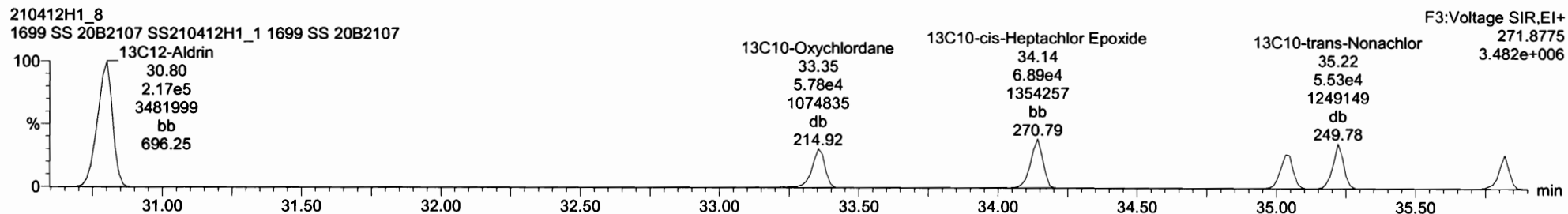
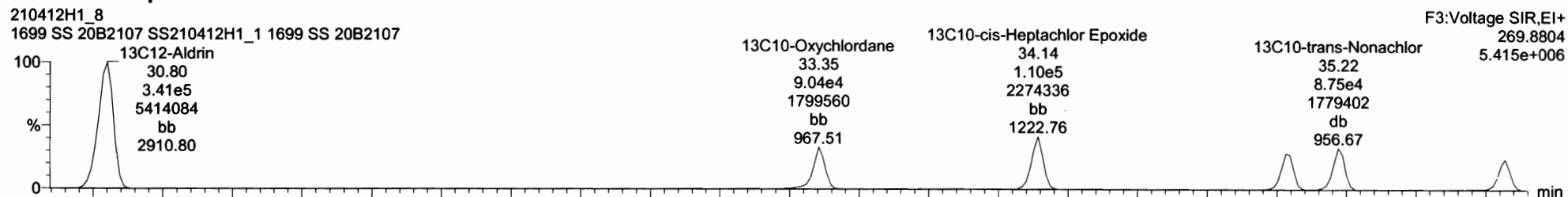
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

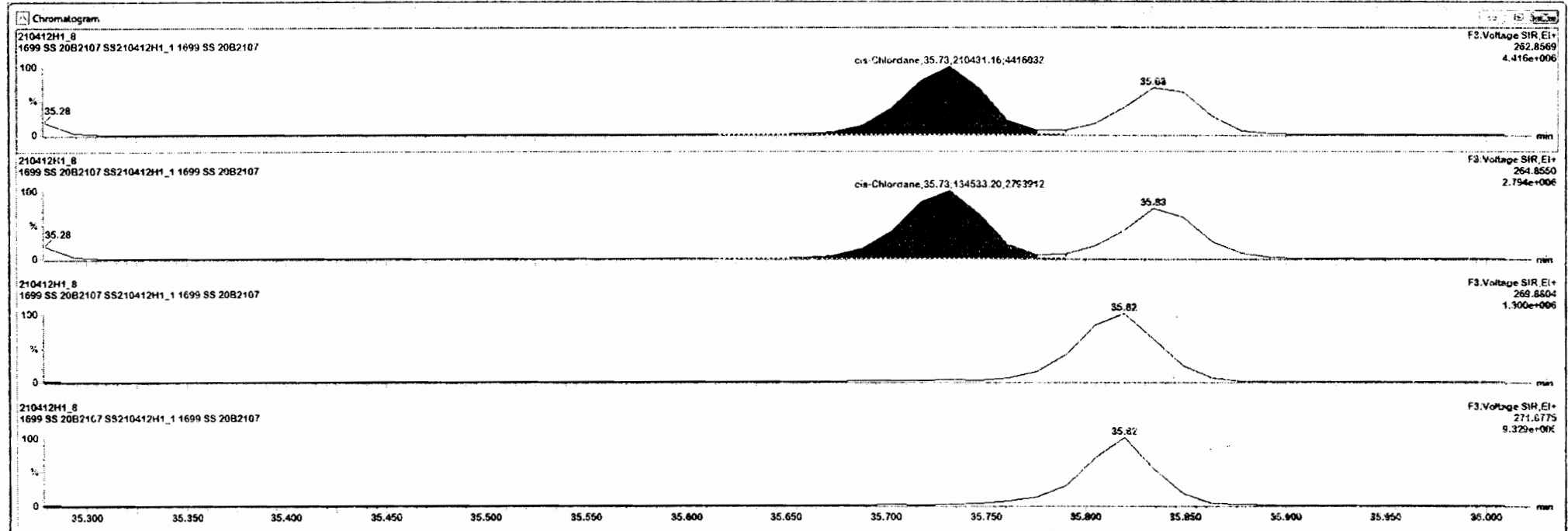
**Aldrin-EI**



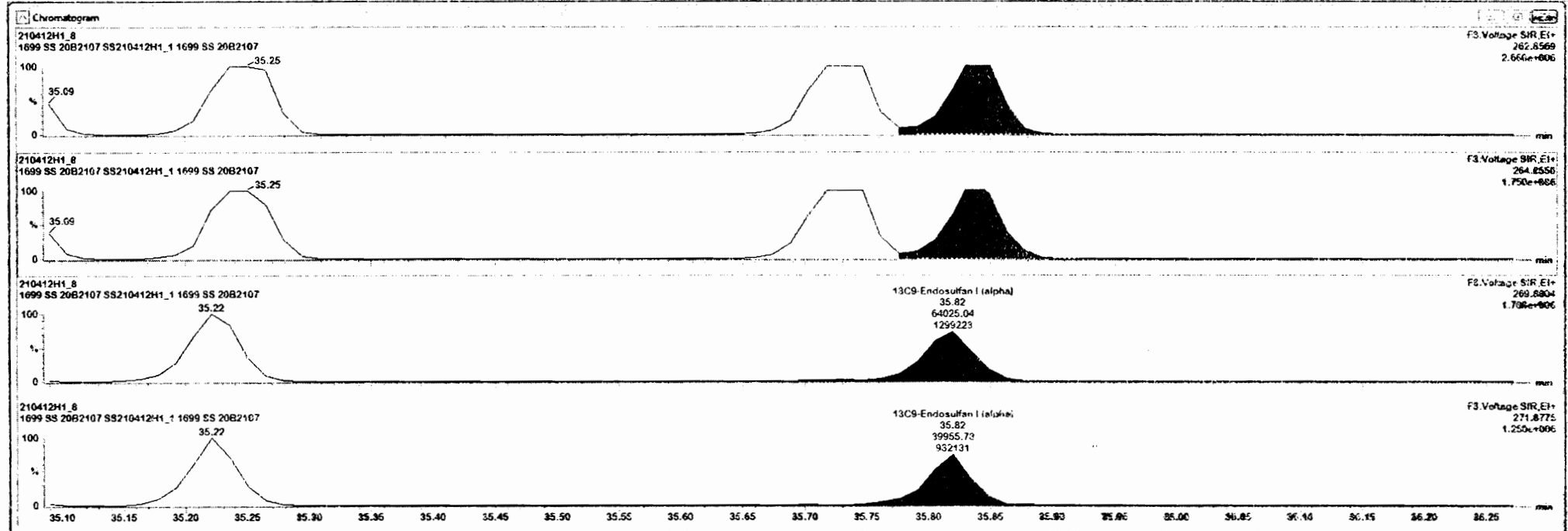
**Aldrin-EI-isotopes**



#	Name	Resp	SAREA	RA	n/y	RRF	wt/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
14	trans-Nonachlor	3.16e5	1.43e5	1.20	NO	1.16	1.0000	35.25	35.22	1.001	1.000	NO	125.1	105	0.0650	125
15	cis-Chlordane	3.45e5	1.43e5	1.56	NO	1.16	1.0000	35.73	35.77	1.014	1.016	NO	103.7	104	0.0591	104
16	Endosulfan (alpha)	2.28e5	1.04e5	1.54	NO	1.23	1.0000	35.82	35.85	1.000	1.001	NO	92.21	92.2	0.0771	92.2
17	4,4'-DDMU	6.16e3	3.17e6	4.55	YES	1.0000	35.47	35.47	0.994	0.994	NO	0.2230	0.223	0.0238	0.198	
18	2,4'-DDE	6.74e5	2.77e5	1.51	NO	1.02	1.0000	35.75	35.69	1.000	1.000	NO	57.04	57.6	0.0278	57.6
19	4,4'-DDE	4.55e5	2.25e5	1.53	NO	1.04	1.0000	35.77	35.75	1.000	1.000	NO	97.33	97.3	0.0354	97.3
20	Dieldrin	6.51e5	2.25e5	1.60	NO	1.02	1.0000	37.28	37.30	1.000	1.001	NO	102.2	103	0.0700	103
21	Endrin	4.53e5	2.25e5	1.60	NO	1.01	1.0000	37.93	38.70	1.000	1.001	NO	102.3	103	0.0613	103
22	cis-Nonachlor	3.45e5	1.67e5	1.61	NO	1.00	1.0000	35.96	36.94	1.000	1.000	NO	102.9	103	0.129	103
23	Endosulfan (beta)	1.21e5	6.13e4	1.63	NO	1.07	1.0000	39.65	39.67	1.000	1.000	NO	92.07	92.1	0.310	92.1
24	2,4'-DDD	6.54e5	2.04e5	1.58	NO	1.07	1.0000	37.30	37.89	1.000	1.000	NO	102.9	101	0.0487	101
25	2,4'-DDT	4.43e5	1.94e5	1.67	NO	1.05	1.0000	39.02	39.03	1.000	1.000	NO	103.9	105	0.0736	105



#	Name	Reso	SAREA	RA	n/y	RRF	w/w%	RT	Pred.RT	RRT	Pred.RRT	Check.RRT	Conc	%Rec	DL	EMPC
14	trans-Nonachlor	2.18e5	1.43e5	1.80	NO	1.06	1.0000	35.25	35.22	1.001	1.070	NO	105.1	105	0.0670	105
15	cis-Nonachlor	2.45e5	1.43e5	1.56	NO	1.16	1.0000	35.73	35.77	1.014	1.016	NO	103.7	104	0.0591	104
16	Endosulfan I (alpha)	2.41e5	1.04e5	1.56	NO	1.23	1.0000	35.82	35.85	1.000	1.001	NO	94.46	94.5	0.0771	64.5
17	2,4-DDTU	6.15e3	0.37e3	4.55	YES	1.0000	25.47	35.47	0.994	0.994	NO	0.2232	0.223	0.0228	0.188	
18	2,4-DDE	6.74e3	0.37e3	1.51	NO	1.02	1.0000	35.70	35.25	1.000	1.000	NO	57.64	57.6	0.0278	57.6
19	2,4-DDC	4.55e5	2.25e5	1.53	NO	1.04	1.0000	36.77	36.75	1.000	1.000	NO	97.34	97.2	0.0294	97.3
20	Dieldrin	6.51e5	3.25e5	1.80	NO	1.23	1.0000	37.28	37.30	1.001	1.001	NO	103.2	103	0.0700	103
21	Endrin	4.85e5	2.25e5	1.60	NO	1.01	1.0000	36.85	36.70	1.000	1.001	NO	101.2	100	0.0512	100
22	cis-Nonachlor	3.45e5	1.67e5	1.71	NO	1.00	1.0000	36.90	36.94	1.000	1.000	NO	102.9	102	0.1269	102
23	Endosulfan II (beta)	1.21e5	0.15e4	1.65	NO	1.07	1.0000	39.68	39.67	1.000	1.000	NO	90.07	92.1	0.210	52.1
24	2,4-DDC	6.54e5	3.04e5	1.56	NO	1.07	1.0000	37.90	37.89	1.000	1.000	NO	100.9	101	0.0487	101
25	2,4-DDT	4.45e5	1.54e5	1.57	NO	1.05	1.0000	39.02	39.03	1.000	1.000	NO	108.9	106	0.0736	106



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

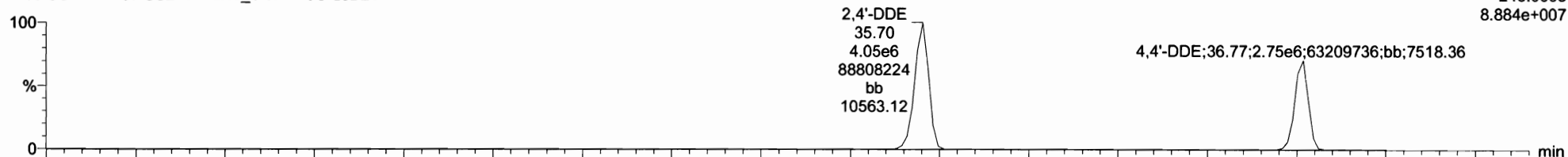
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**DDMU-DDE**

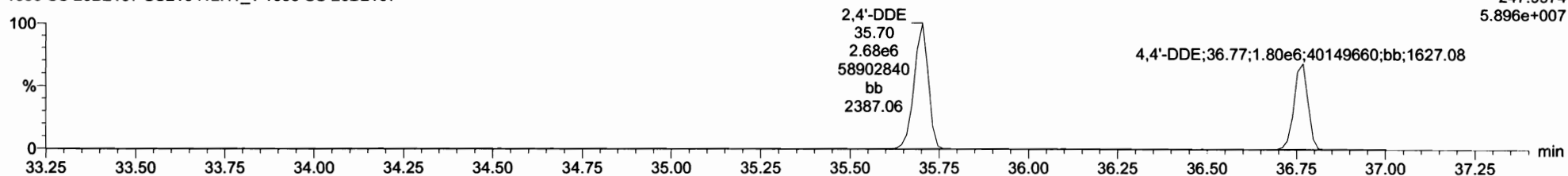
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F3:Voltage SIR,EI+  
246.0003  
8.884e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

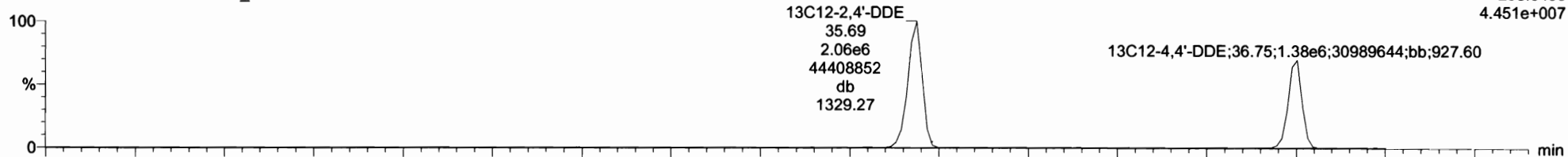
F3:Voltage SIR,EI+  
247.9974  
5.896e+007



**DDE-isotopes**

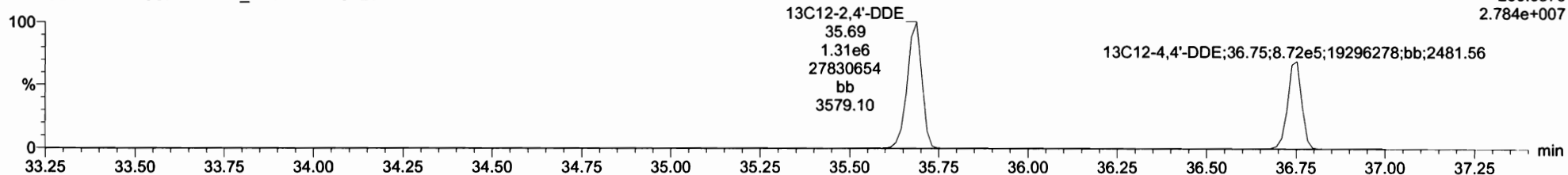
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F3:Voltage SIR,EI+  
258.0406  
4.451e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F3:Voltage SIR,EI+  
260.0376  
2.784e+007



Dataset: Untitled

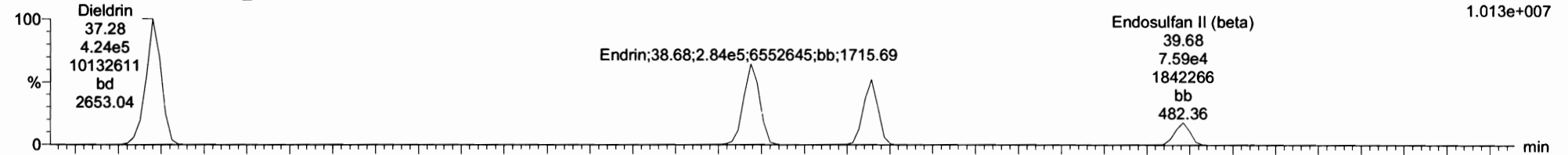
Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**Dieldrin-EII**

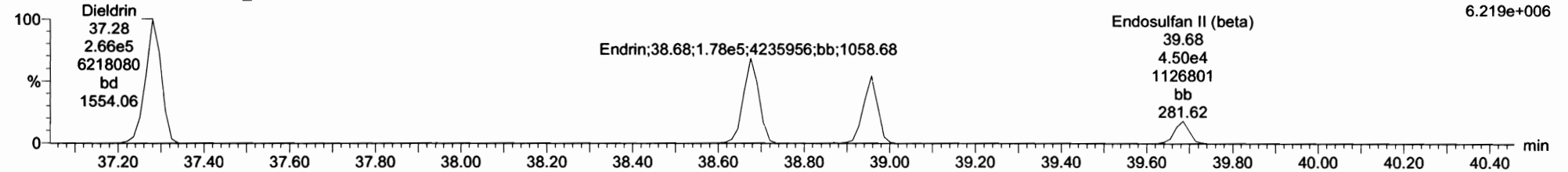
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
262.8569  
1.013e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

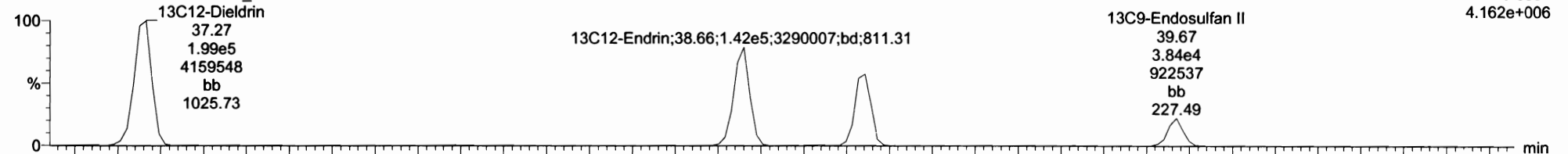
F4:Voltage SIR,EI+  
264.8550  
6.219e+006



**Dieldrin-EII-isotopes**

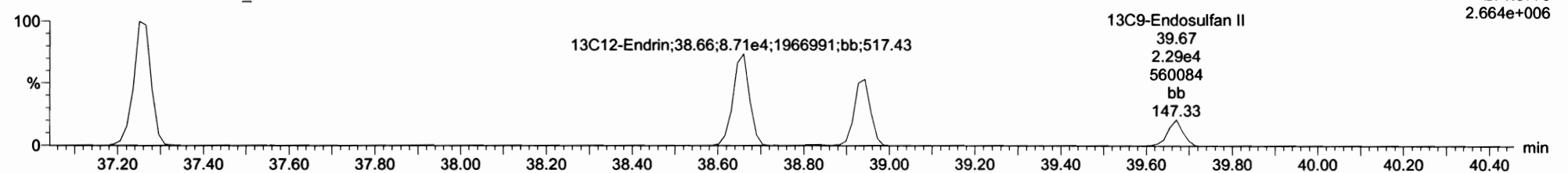
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
269.8804  
4.162e+006



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
271.8775  
2.664e+006





Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

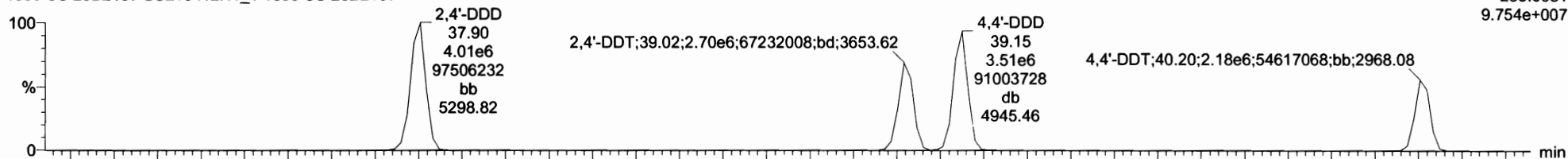
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

DDD-DDT

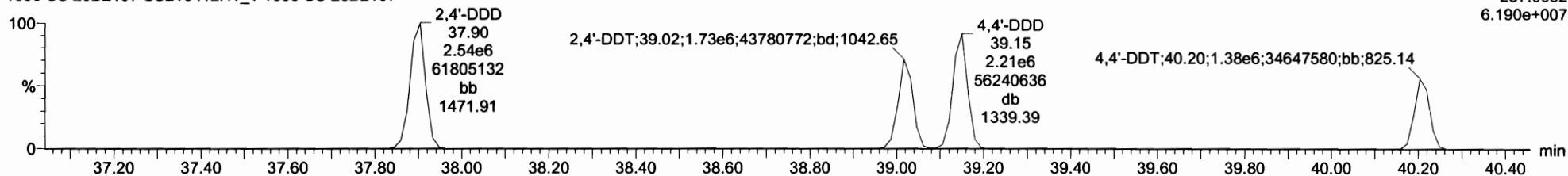
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
235.0081  
9.754e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

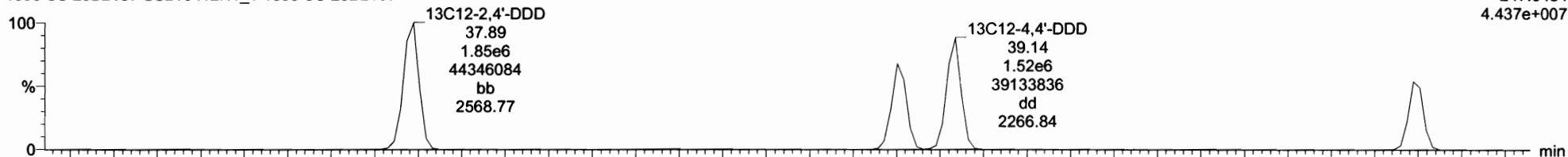
F4:Voltage SIR,EI+  
237.0052  
6.190e+007



DDD-DDT-isotopes

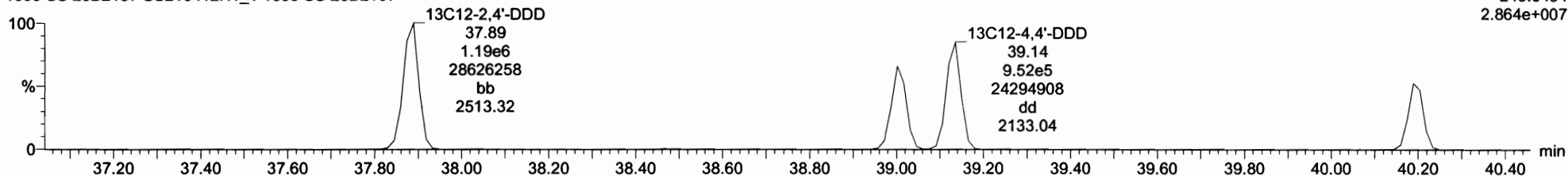
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
247.0484  
4.437e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
249.0454  
2.864e+007



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

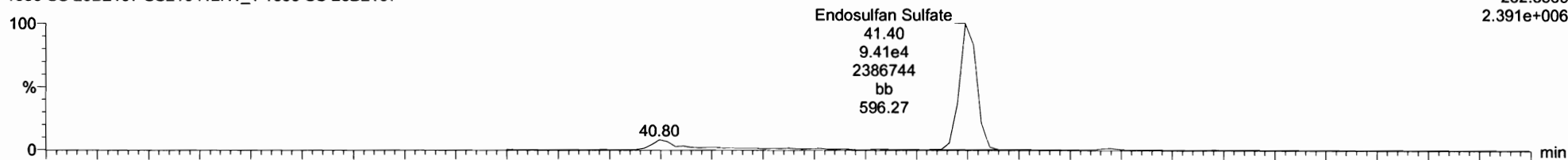
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**Endosulfan Sulfate**

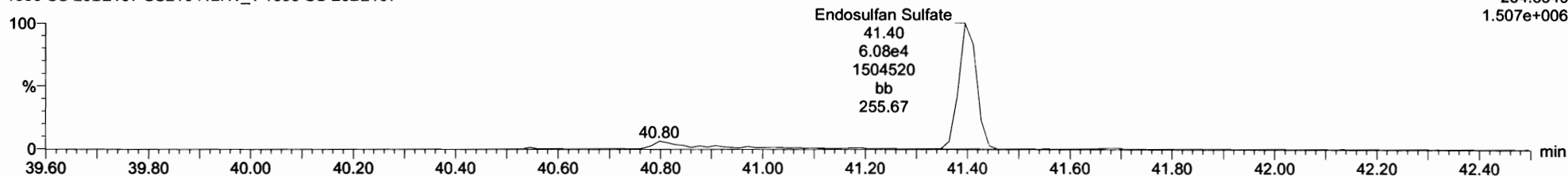
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
262.8569  
2.391e+006



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

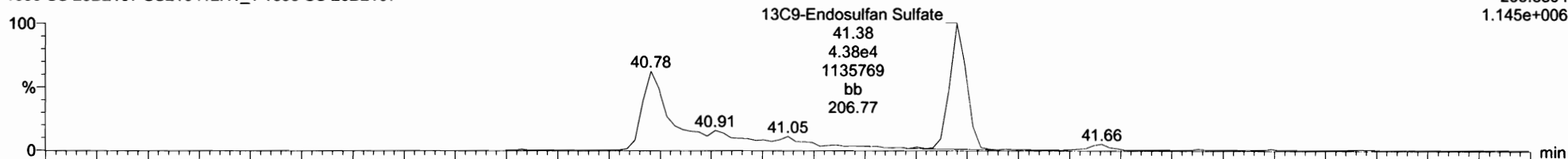
F5:Voltage SIR,EI+  
264.8540  
1.507e+006



**13C9-Endosulfan Sulfate**

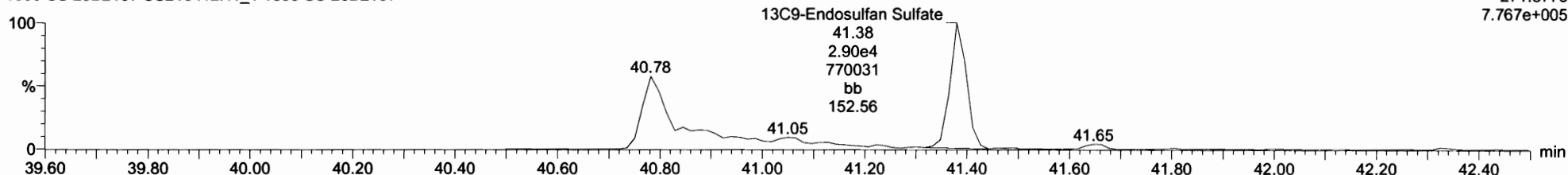
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
269.8804  
1.145e+006



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
271.8775  
7.767e+005



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

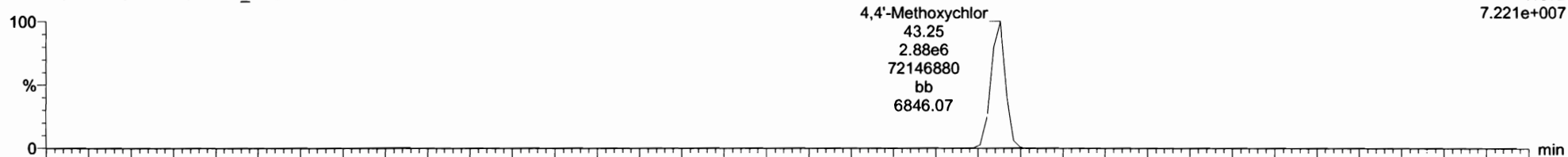
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**4,4'-Methoxychlor**

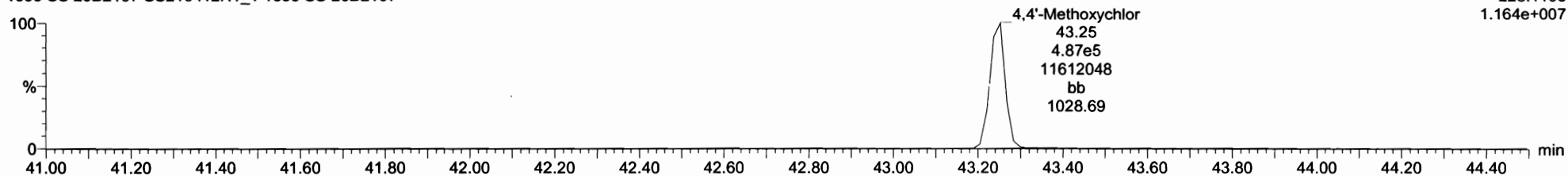
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
227.1072  
7.221e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

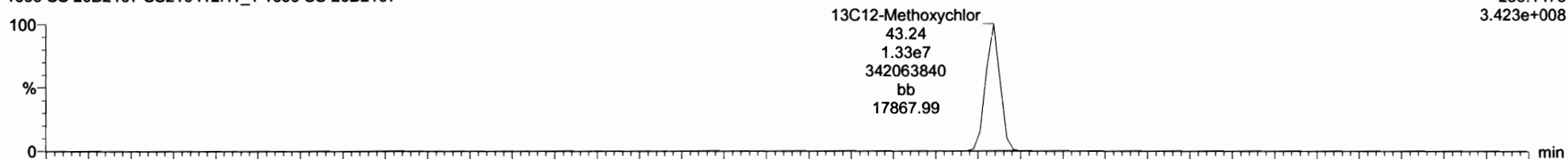
F5:Voltage SIR,EI+  
228.1106  
1.164e+007



**13C12-Methoxychlor**

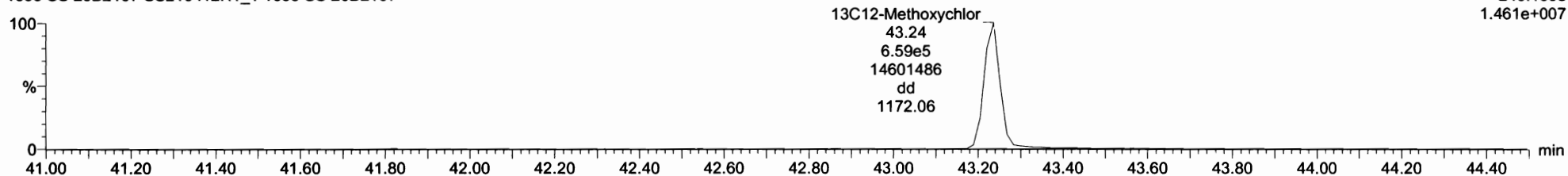
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
239.1475  
3.423e+008



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
240.1508  
1.461e+007



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

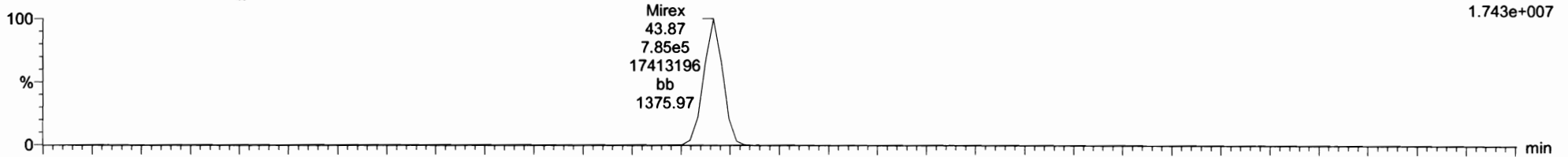
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**Mirex**

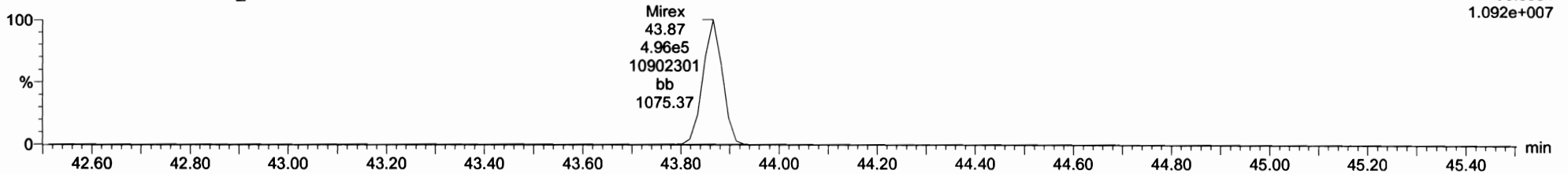
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
236.8413  
1.743e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

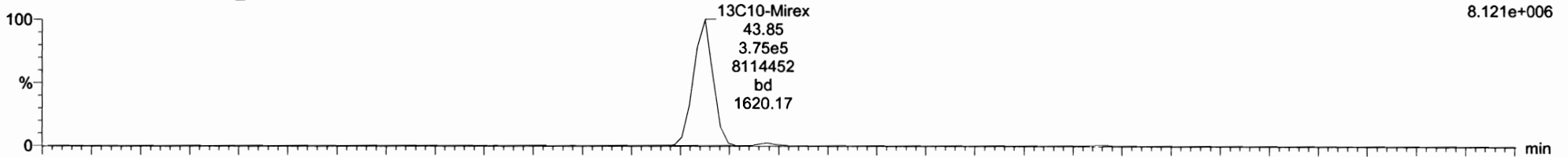
F5:Voltage SIR,EI+  
238.8384  
1.092e+007



**13C10-Mirex**

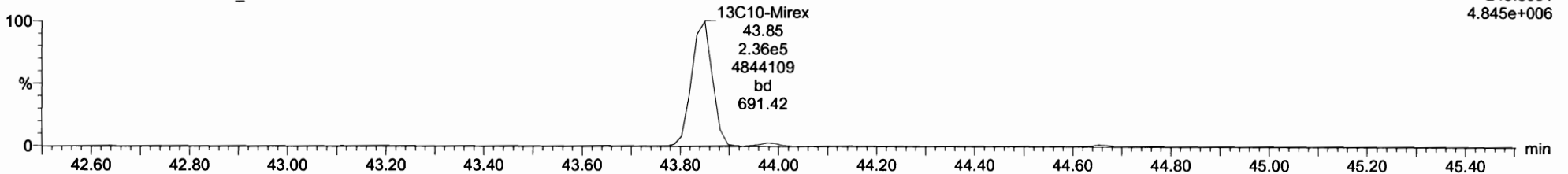
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
241.8581  
8.121e+006



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
243.8551  
4.845e+006



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

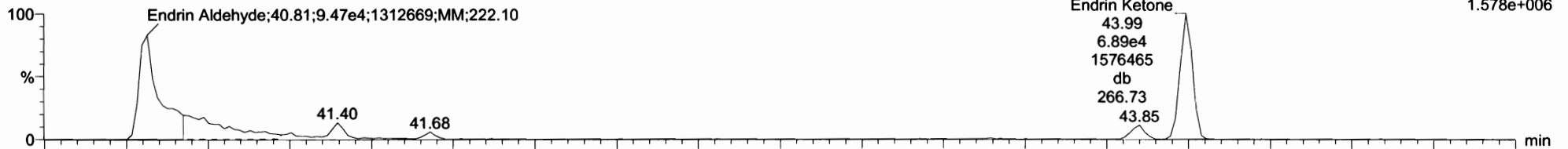
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

EA-EK

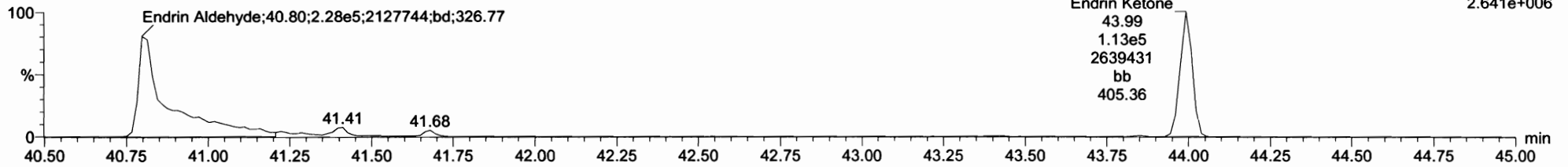
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
247.8521  
1.578e+006



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

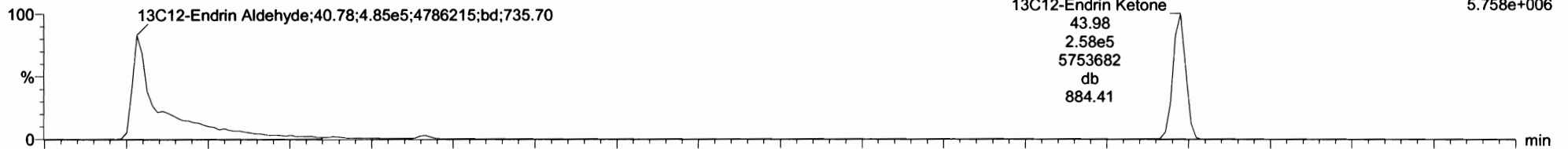
F5:Voltage SIR,EI+  
249.8491  
2.641e+006



EA-EK-isotopes

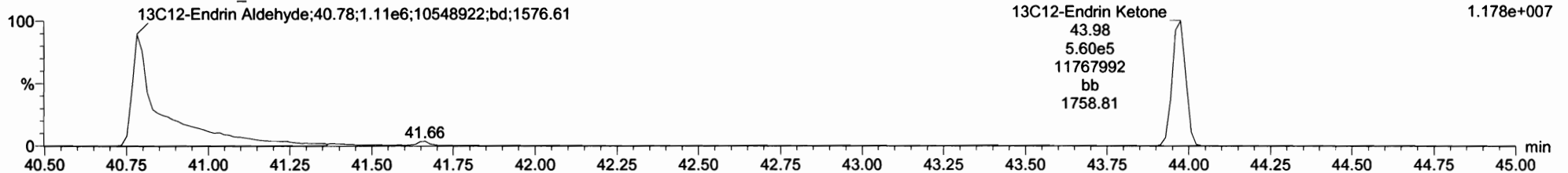
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
253.8722  
5.758e+006

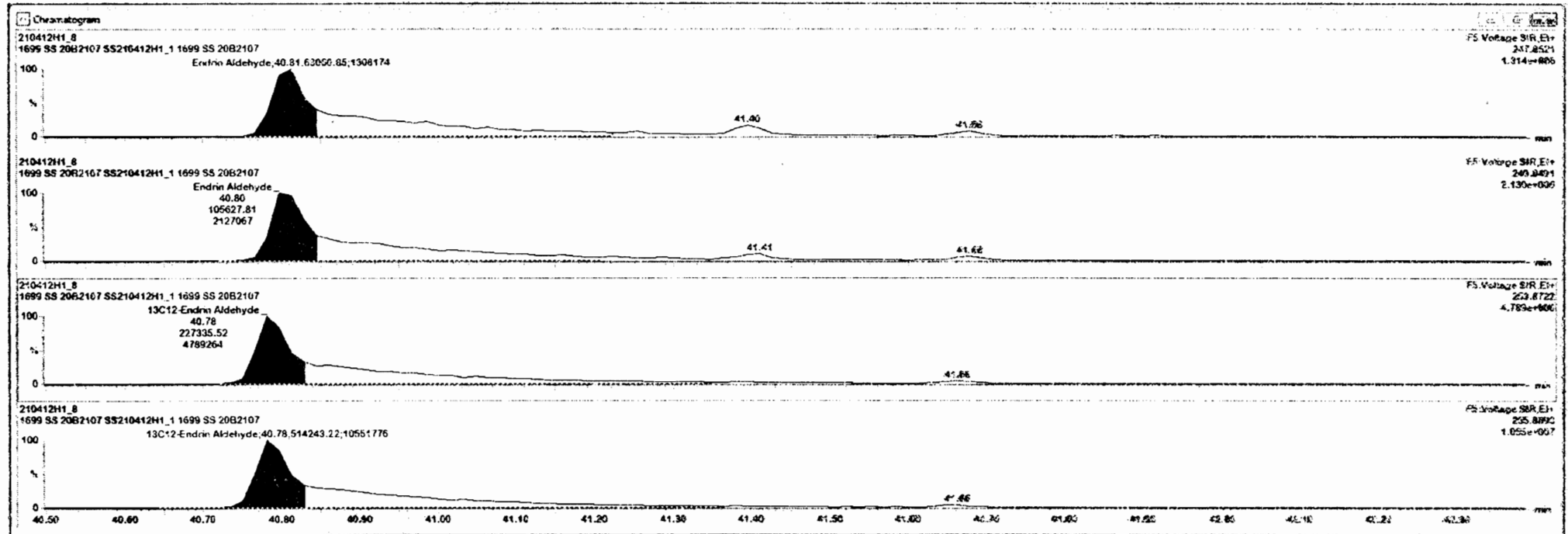


210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F5:Voltage SIR,EI+  
255.8693  
1.178e+007



#	Name	Resid	S AREA	RA	n/y	RRF	Wt/Val	RT	Prod RT	RRT	Prod RRT	Chem: RRT	Conc	%Rec	DL	EQPC
27	4.1-20"	3.47e6	1.50e6	1.57	NO	1.13	1.0000	40.20	40.33	1.020	1.020	NO	99.70	99.7	0.0350	99.7
28	Endosulfan Sulfate	1.55e6	7.29e4	1.55	NO	1.54	1.0000	41.40	41.30	1.000	1.000	NO	102.6	101	0.216	100
29	4.4-Methoxychlor	3.36e6	1.35e7	5.91	NO	1.22	1.0000	43.25	43.24	1.000	1.000	NO	99.99	99.1	0.071	99.3
30	Mirex	1.22e6	6.12e5	1.59	NO	1.53	1.0000	43.59	43.59	1.000	1.001	NO	101.5	102	0.124	100
31	31 Endrin Aldehyde	1.65e6	7.42e5	0.80	NO	1.00	1.0000	40.81	40.76	1.001	1.000	NO	112.6	114	0.436	114
32	32 Endrin Ketone	1.82e5	5.18e5	0.61	NO	0.93	1.0000	40.59	40.59	1.000	1.000	NO	120.2	120	0.496	120
33	33 13C4-hexachlorobutadi	1.47e6	4.18e5	1.26	NO	0.16	1.0000	9.97	9.95	0.332	0.332	NO	45.1	8.0	0.0040	
34	34 13C8-hexachlorododec	2.29e6	4.18e5	1.26	NO	0.27	1.0000	22.99	22.71	0.870	0.871	NO	49.7	92.4	0.0142	
35	35 13C6-Alpha-BHC	1.01e6	4.18e5	0.79	NO	0.26	1.0000	23.21	23.22	0.951	0.951	NO	46.93	93.8	0.0651	
36	36 13C6-Lambda-gamma	7.45e5	4.18e5	0.79	NO	0.19	1.0000	26.57	26.56	1.019	1.019	NO	42.01	92.0	0.0398	
37	37 13C6-Beta-BHC	5.39e5	4.18e5	0.80	NO	0.14	1.0000	28.00	28.55	1.057	1.057	NO	44.57	89.3	0.117	
38	38 13C2-Delta-BHC	6.19e5	4.18e5	0.51	NO	0.17	1.0000	30.25	30.24	1.160	1.160	NO	44.05	89.1	0.100	



Dataset: Untitled

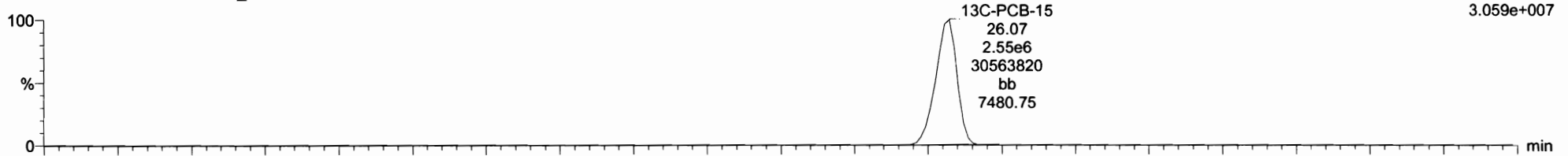
Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time  
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**13C-PCB-15**

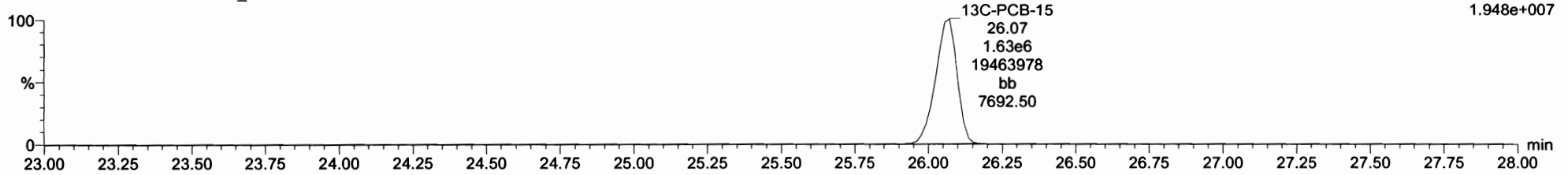
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F2:Voltage SIR,EI+  
234.0406  
3.059e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

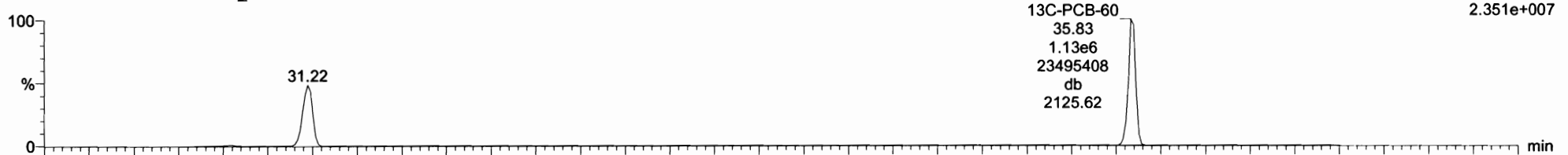
F2:Voltage SIR,EI+  
236.0376  
1.948e+007



**13C-PCB-60**

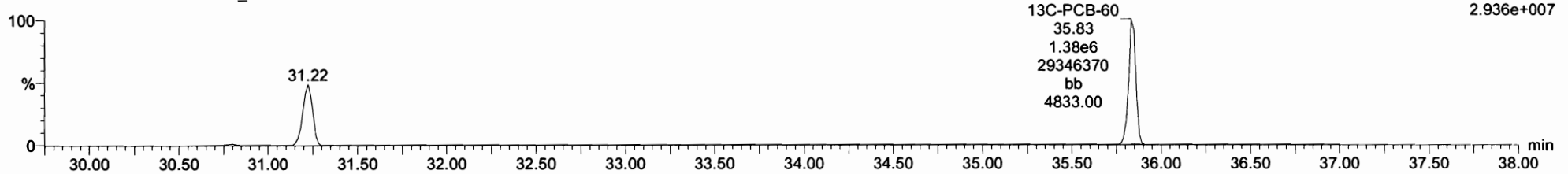
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F3:Voltage SIR,EI+  
301.9626  
2.351e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F3:Voltage SIR,EI+  
303.9597  
2.936e+007



Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

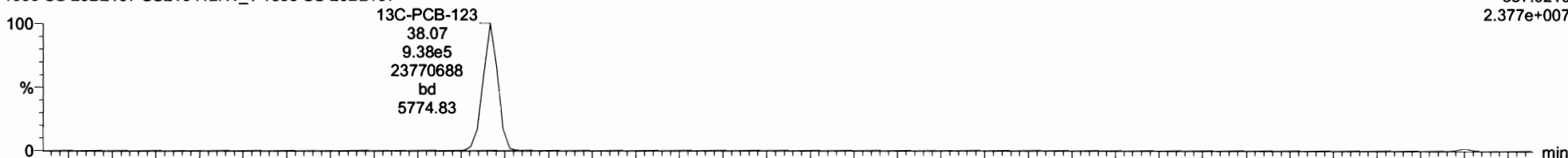
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**13C-PCB-123**

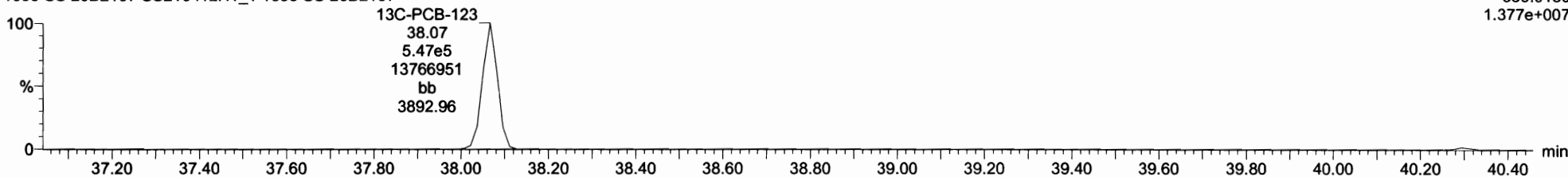
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
337.9210  
2.377e+007



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

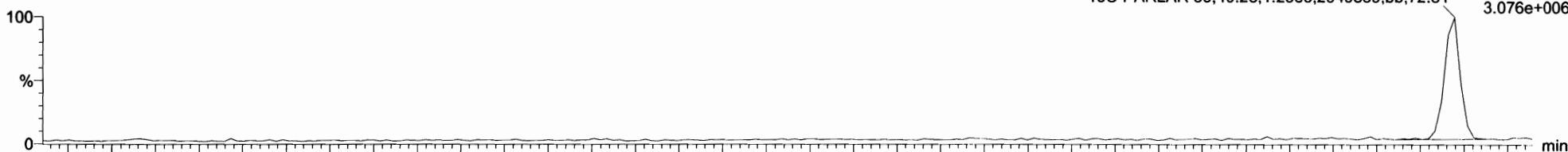
F4:Voltage SIR,EI+  
339.9180  
1.377e+007



**13C-PARLAR 39**

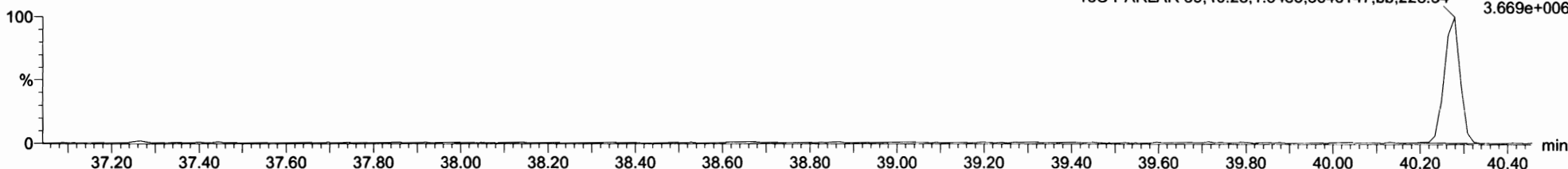
210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
251.9648  
3.076e+006  
13C-PARLAR 39;40.28;1.25e5;2949839;bb;72.31



210412H1\_8  
1699 SS 20B2107 SS210412H1\_1 1699 SS 20B2107

F4:Voltage SIR,EI+  
253.9619  
3.669e+006  
13C-PARLAR 39;40.28;1.54e5;3646147;bb;228.34





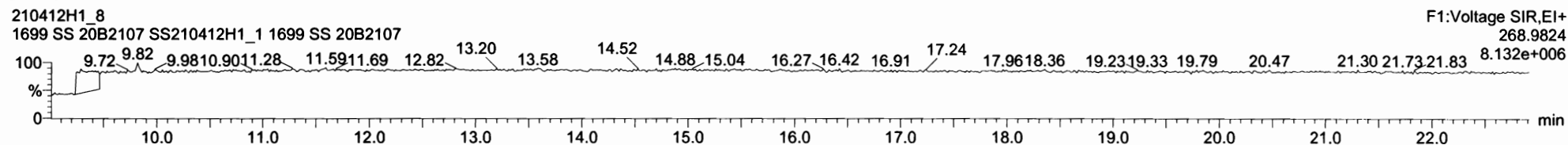
Dataset: Untitled

Last Altered: Tuesday, April 13, 2021 12:09:06 Pacific Daylight Time

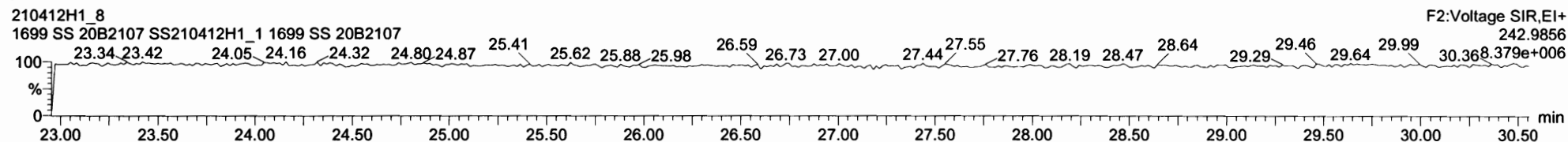
Printed: Tuesday, April 13, 2021 12:11:04 Pacific Daylight Time

Name: 210412H1\_8, Date: 12-Apr-2021, Time: 20:39:33, ID: SS210412H1\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

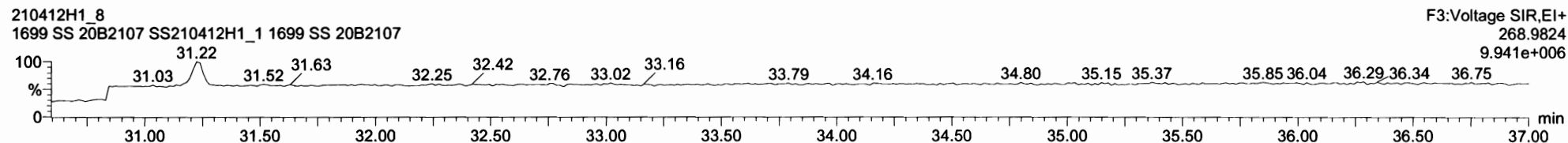
**PFK1**



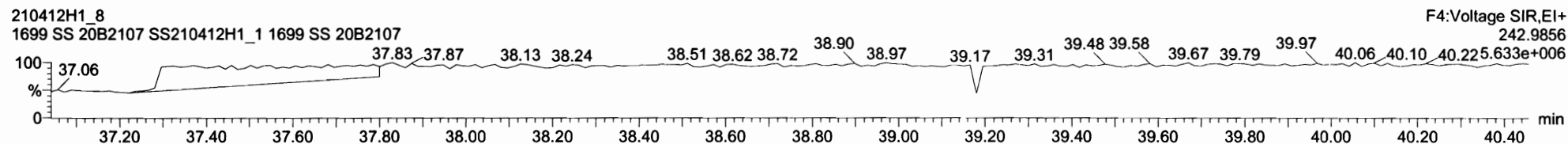
**PFK2**



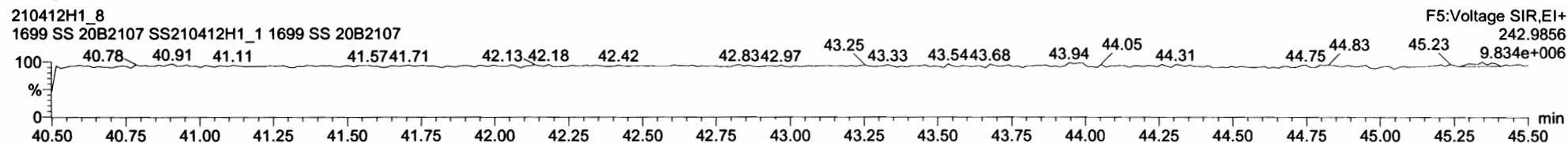
**PFK3**



**PFK4**



**PFK5**



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:56:56 Pacific Daylight Time

*HN 04/21/21  
DF 04/21/21*

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Compound name: Hexachlorobenzene  
Response Factor: 0.983668  
RRF SD: 0.0766006, Relative SD: 7.78725  
Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

*- Limited, High point @ 250 for:  
Endosulfan(II) beta  
- Detector @ 290  
- Some masses did not centroid @ Final  
resolution check  
- one mass had column bleed*

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1*	210420H5_1	2.00	1.27	NO	22.69	1.001	4.75e4	1.42e6	1.70	-14.9	0.837	bb
2	210420H5_2	10.0	1.26	NO	22.71	1.001	5.62e5	2.74e6	10.4	4.1	1.02	bb
3	210420H5_3	100	1.25	NO	22.69	1.001	4.16e6	2.11e6	100	-0.0	0.983	bb
4	210420H5_4	250	1.25	NO	22.69	1.001	6.13e6	1.20e6	259	3.6	1.02	bb
5	210420H5_5	1200	1.25	NO	22.72	1.001	2.90e7	1.23e6	1200	-0.0	0.984	bb
6	210420H5_6	50.0	1.26	NO	22.69	1.001	1.16e6	1.10e6	53.6	7.2	1.05	bb

Compound name: Alpha-BHC  
Response Factor: 0.81689  
RRF SD: 0.0811486, Relative SD: 9.93384  
Response type: Internal Std ( Ref 35 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	2.04	NO	23.26	1.001	1.02e4	3.87e5	1.61	-19.5	0.657	bb
2	210420H5_2	10.0	2.13	NO	23.26	1.001	1.24e5	7.69e5	9.89	-1.1	0.808	bb
3	210420H5_3	100	2.06	NO	23.26	1.001	9.98e5	5.89e5	104	3.7	0.847	bb
4	210420H5_4	250	2.08	NO	23.24	1.001	1.47e6	3.37e5	266	6.6	0.871	bb
5	210420H5_5	1200	2.10	NO	23.28	1.001	7.11e6	3.44e5	1270	5.6	0.863	bb
6	210420H5_6	50.0	2.11	NO	23.24	1.001	2.67e5	3.12e5	52.4	4.8	0.856	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time  
 Printed: Wednesday, April 21, 2021 10:56:56 Pacific Daylight Time

**Compound name: Lindane (gamma-BHC)**

Response Factor: 0.847024

RRF SD: 0.0731341, Relative SD: 8.63424

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	210420H5_1	2.00	2.22	NO	26.60	1.001	8.33e3	2.96e5	1.66	-16.8	0.705	MM
2	210420H5_2	10.0	2.11	NO	26.60	1.001	9.94e4	5.89e5	9.96	-0.4	0.844	bb
3	210420H5_3	100	2.09	NO	26.60	1.001	7.83e5	4.55e5	101	1.5	0.860	bb
4	210420H5_4	250	2.11	NO	26.60	1.001	1.16e6	2.56e5	266	6.5	0.902	bb
5	210420H5_5	1200	2.11	NO	26.62	1.001	5.59e6	2.59e5	1270	6.0	0.898	bb
6	210420H5_6	50.0	2.16	NO	26.60	1.001	2.03e5	2.32e5	51.6	3.3	0.875	bb

**Compound name: Beta-BHC**

Response Factor: 0.983396

RRF SD: 0.0836988, Relative SD: 8.51121

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	210420H5_1	2.00	2.04	NO	28.61	1.001	6.77e3	2.06e5	1.68	-16.2	0.824	bb
2	210420H5_2	10.0	2.12	NO	28.61	1.001	7.82e4	4.07e5	9.78	-2.2	0.961	dd
3	210420H5_3	100	2.14	NO	28.61	1.001	6.29e5	3.11e5	103	2.7	1.01	bb
4	210420H5_4	250	2.16	NO	28.61	1.001	9.16e5	1.75e5	267	6.6	1.05	bb
5	210420H5_5	1200	2.11	NO	28.63	1.001	4.53e6	1.83e5	1260	4.9	1.03	bb
6	210420H5_6	50.0	2.21	NO	28.61	1.001	1.62e5	1.58e5	52.1	4.2	1.02	bb

**Compound name: Delta-BHC**

Response Factor: 0.908413

RRF SD: 0.0966847, Relative SD: 10.6432

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	210420H5_1	2.00	1.99	NO	30.27	1.000	7.25e3	2.53e5	1.58	-21.2	0.716	MM
2	210420H5_2	10.0	2.13	NO	30.28	1.001	9.20e4	5.03e5	10.1	0.6	0.914	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 10:56:56 Pacific Daylight Time

**Compound name: Delta-BHC**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	100	2.12	NO	30.27	1.000	7.34e5	3.94e5	103	2.5	0.931	bb
4	210420H5_4	250	2.12	NO	30.27	1.000	1.08e6	2.24e5	266	6.3	0.965	bb
5	210420H5_5	1200	2.09	NO	30.28	1.000	5.48e6	2.38e5	1260	5.4	0.957	bb
6	210420H5_6	50.0	2.15	NO	30.27	1.000	1.92e5	1.98e5	53.2	6.4	0.967	bb

**Compound name: Heptachlor**

Response Factor: 1.10302

RRF SD: 0.0801718, Relative SD: 7.2684

Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.23	NO	28.72	1.001	6.74e3	1.73e5	1.77	-11.5	0.976	bb
2	210420H5_2	10.0	1.26	NO	28.74	1.001	7.07e4	3.42e5	9.38	-6.2	1.03	bb
3	210420H5_3	100	1.25	NO	28.74	1.001	5.75e5	2.58e5	101	1.2	1.12	bb
4	210420H5_4	250	1.24	NO	28.74	1.001	8.06e5	1.40e5	262	4.6	1.15	bb
5	210420H5_5	1200	1.24	NO	28.76	1.001	4.27e6	1.51e5	1280	6.7	1.18	bb
6	210420H5_6	50.0	1.21	NO	28.74	1.001	1.37e5	1.18e5	52.6	5.2	1.16	bb

**Compound name: Aldrin**

Response Factor: 1.11558

RRF SD: 0.114931, Relative SD: 10.3023

Response type: Internal Std ( Ref 40 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.46	NO	30.83	1.001	9.35e3	2.62e5	1.60	-19.9	0.894	bb
2	210420H5_2	10.0	1.63	NO	30.83	1.001	1.06e5	4.72e5	10.1	0.6	1.12	bb
3	210420H5_3	100	1.59	NO	30.83	1.001	8.18e5	3.65e5	100	0.5	1.12	bb
4	210420H5_4	250	1.61	NO	30.83	1.001	1.18e6	2.03e5	260	4.2	1.16	bb
5	210420H5_5	1200	1.59	NO	30.84	1.001	5.65e6	1.93e5	1310	9.4	1.22	bb
6	210420H5_6	50.0	1.61	NO	30.83	1.001	2.17e5	1.85e5	52.6	5.3	1.17	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time  
 Printed: Wednesday, April 21, 2021 10:56:56 Pacific Daylight Time

**Compound name: Oxychlordane**

Response Factor: 1.10645

RRF SD: 0.0859234, Relative SD: 7.76569

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.95	NO	33.38	1.001	2.79e3	7.34e4	1.72	-14.1	0.951	MM
2	210420H5_2	10.0	1.68	NO	33.38	1.001	3.03e4	1.39e5	9.83	-1.7	1.09	bb
3	210420H5_3	100	1.58	NO	33.38	1.001	2.34e5	1.06e5	99.8	-0.2	1.10	bb
4	210420H5_4	250	1.61	NO	33.38	1.001	3.40e5	6.00e4	256	2.4	1.13	bb
5	210420H5_5	1200	1.60	NO	33.40	1.001	1.67e6	5.94e4	1270	5.7	1.17	bb
6	210420H5_6	50.0	1.67	NO	33.38	1.001	5.96e4	4.99e4	54.0	7.9	1.19	bb

**Compound name: cis-Heptachlor Epoxide**

Response Factor: 1.12979

RRF SD: 0.116014, Relative SD: 10.2687

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.59	NO	34.16	1.000	3.50e3	9.56e4	1.62	-18.9	0.916	bb
2	210420H5_2	10.0	1.42	NO	34.17	1.001	4.17e4	1.88e5	9.83	-1.7	1.11	bb
3	210420H5_3	100	1.65	NO	34.16	1.000	3.14e5	1.37e5	102	1.7	1.15	bb
4	210420H5_4	250	1.59	NO	34.17	1.001	4.54e5	7.35e4	274	9.5	1.24	bb
5	210420H5_5	1200	1.59	NO	34.19	1.001	2.21e6	7.52e4	1300	8.5	1.23	bb
6	210420H5_6	50.0	1.54	NO	34.16	1.000	7.93e4	6.95e4	50.5	0.9	1.14	bb

**Compound name: trans-Heptachlor Epoxide**

Response Factor: 0.272591

RRF SD: 0.021613, Relative SD: 7.92871

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.55	NO	34.65	1.015	9.12e2	9.56e4	1.75	-12.6	0.238	bb
2	210420H5_2	10.0	1.64	NO	34.65	1.015	1.02e4	1.88e5	9.92	-0.8	0.270	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: trans-Heptachlor Epoxide**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	100	1.58	NO	34.64	1.015	7.34e4	1.37e5	98.6	-1.4	0.269	bb
4	210420H5_4	250	1.60	NO	34.65	1.015	1.08e5	7.35e4	269	7.7	0.294	bb
5	210420H5_5	1200	1.57	NO	34.67	1.015	5.38e5	7.52e4	1310	9.4	0.298	bb
6	210420H5_6	50.0	1.62	NO	34.65	1.015	1.85e4	6.95e4	48.8	-2.3	0.266	bb

**Compound name: trans-Chlordane (gamma)**

Response Factor: 1.19396

RRF SD: 0.0738287, Relative SD: 6.18351

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.45	NO	35.06	1.001	2.80e3	6.56e4	1.79	-10.5	1.07	bb
2	210420H5_2	10.0	1.54	NO	35.06	1.000	2.91e4	1.25e5	9.79	-2.1	1.17	bb
3	210420H5_3	100	1.62	NO	35.06	1.001	2.22e5	9.42e4	98.8	-1.2	1.18	bb
4	210420H5_4	250	1.60	NO	35.06	1.001	3.24e5	5.06e4	268	7.2	1.28	bd
5	210420H5_5	1200	1.58	NO	35.08	1.001	1.55e6	5.28e4	1230	2.6	1.22	bd
6	210420H5_6	50.0	1.64	NO	35.06	1.001	5.56e4	4.48e4	52.0	4.0	1.24	bb

**Compound name: trans-Nonachlor**

Response Factor: 1.08976

RRF SD: 0.100148, Relative SD: 9.18989

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.33	NO	35.25	1.001	2.67e3	7.40e4	1.66	-17.2	0.902	MM
2	210420H5_2	10.0	1.54	NO	35.25	1.001	2.99e4	1.41e5	9.74	-2.6	1.06	bb
3	210420H5_3	100	1.65	NO	35.24	1.000	2.31e5	1.04e5	102	2.3	1.12	bb
4	210420H5_4	250	1.57	NO	35.25	1.001	3.37e5	5.70e4	271	8.5	1.18	db
5	210420H5_5	1200	1.58	NO	35.25	1.000	1.61e6	5.85e4	1260	5.3	1.15	db
6	210420H5_6	50.0	1.57	NO	35.24	1.000	5.51e4	4.88e4	51.8	3.6	1.13	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: cis-Chlordane**

Response Factor: 1.203

RRF SD: 0.141612, Relative SD: 11.7715 /

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.37	NO	35.73	1.015	2.72e3	7.40e4	1.53	-23.6	0.919	bd
2	210420H5_2	10.0	1.66	NO	35.73	1.015	3.41e4	1.41e5	10.1	0.8	1.21	bd
3	210420H5_3	100	1.61	NO	35.73	1.015	2.59e5	1.04e5	104	4.0	1.25	bd
4	210420H5_4	250	1.55	NO	35.73	1.015	3.68e5	5.70e4	269	7.5	1.29	bd
5	210420H5_5	1200	1.59	NO	35.75	1.015	1.78e6	5.85e4	1260	5.2	1.27	bd
6	210420H5_6	50.0	1.77	NO	35.72	1.014	6.23e4	4.88e4	53.1	6.1	1.28	bd

**Compound name: Endosulfan I (alpha)**

Response Factor: 1.21348

RRF SD: 0.140397, Relative SD: 11.5698 /

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	10.0	1.50	NO	35.85	1.001	1.24e4	4.49e4	11.4	13.8	1.38	db
2	210420H5_2	15.0	1.79	NO	35.85	1.001	3.61e4	9.10e4	16.4	9.0	1.32	db
3	210420H5_3	100	1.62	NO	35.83	1.000	1.69e5	7.05e4	99.0	-1.0	1.20	db
4	210420H5_4	250	1.56	NO	35.83	1.000	2.38e5	4.11e4	239	-4.5	1.16	db
5	210420H5_5	1200	1.58	NO	35.85	1.001	1.19e6	5.07e4	968	-19.3	0.979	db
6	210420H5_6	50.0	1.63	NO	35.83	1.000	4.11e4	3.32e4	51.0	2.0	1.24	db

**Compound name: 2,4'-DDE**

Response Factor: 1.01376

RRF SD: 0.0612235, Relative SD: 6.03928 /

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.52	NO	35.70	1.000	6.06e4	1.70e6	1.76	-12.1	0.892	db
2	210420H5_2	10.0	1.50	NO	35.70	1.000	6.86e5	3.31e6	10.2	2.3	1.04	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 2,4'-DDE**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	100	1.50	NO	35.70	1.001	5.14e6	2.52e6	101	0.7	1.02	bb
4	210420H5_4	250	1.50	NO	35.70	1.000	7.11e6	1.37e6	257	2.6	1.04	bb
5	210420H5_5	1200	1.50	NO	35.72	1.001	3.41e7	1.37e6	1220	1.9	1.03	bb
6	210420H5_6	50.0	1.50	NO	35.70	1.001	1.29e6	1.21e6	52.3	4.6	1.06	bb

**Compound name: 4,4'-DDE**

Response Factor: 1.03376

RRF SD: 0.0498663, Relative SD: 4.8238

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.37	NO	36.77	1.000	4.66e4	1.24e6	1.82	-9.0	0.941	db
2	210420H5_2	10.0	1.50	NO	36.77	1.000	5.00e5	2.39e6	10.1	1.2	1.05	bd
3	210420H5_3	100	1.49	NO	36.75	1.000	3.66e6	1.79e6	99.2	-0.8	1.03	bb
4	210420H5_4	250	1.49	NO	36.77	1.001	5.16e6	9.78e5	255	2.0	1.05	bb
5	210420H5_5	1200	1.49	NO	36.77	1.000	2.46e7	9.79e5	1220	1.4	1.05	bb
6	210420H5_6	50.0	1.52	NO	36.77	1.001	8.85e5	8.13e5	52.6	5.3	1.09	bb

**Compound name: Dieldrin**

Response Factor: 1.0539

RRF SD: 0.0583874, Relative SD: 5.54015

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.88	NO	37.28	1.000	6.33e3	1.62e5	1.85	-7.5	0.975	bb
2	210420H5_2	10.0	1.55	NO	37.28	1.000	6.40e4	3.21e5	9.46	-5.4	0.998	bd
3	210420H5_3	100	1.57	NO	37.28	1.001	5.01e5	2.39e5	99.3	-0.7	1.05	bb
4	210420H5_4	250	1.58	NO	37.28	1.001	7.40e5	1.34e5	261	4.5	1.10	bb
5	210420H5_5	1200	1.55	NO	37.30	1.001	3.46e6	1.34e5	1230	2.6	1.08	bb
6	210420H5_6	50.0	1.61	NO	37.28	1.001	1.29e5	1.15e5	53.2	6.4	1.12	bb



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Compound name: Endrin  
 Response Factor: 0.978837  
 RRF SD: 0.073704, Relative SD: 7.52975  
 Response type: Internal Std ( Ref 49 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.63	NO	38.68	1.001	2.97e3	8.52e4	1.78	-11.0	0.871	bb
2	210420H5_2	10.0	1.61	NO	38.68	1.000	3.69e4	1.93e5	9.78	-2.2	0.957	bb
3	210420H5_3	100	1.57	NO	38.67	1.001	2.30e5	1.24e5	95.2	-4.8	0.932	bb
4	210420H5_4	250	1.57	NO	38.67	1.001	2.99e5	5.89e4	259	3.7	1.01	bb
5	210420H5_5	1200	1.57	NO	38.69	1.001	1.38e6	5.33e4	1320	10.2	1.08	bb
6	210420H5_6	50.0	1.54	NO	38.68	1.000	3.91e4	3.83e4	52.1	4.1	1.02	bb

Compound name: cis-Nonachlor  
 Response Factor: 1.0546  
 RRF SD: 0.145261, Relative SD: 13.774  
 Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.41	NO	38.94	1.000	3.02e3	8.85e4	1.62	-19.1	0.853	MM
2	210420H5_2	10.0	1.54	NO	38.96	1.000	3.31e4	1.68e5	9.33	-6.7	0.984	bb
3	210420H5_3	100	1.57	NO	38.96	1.001	2.69e5	1.27e5	100	0.3	1.06	bb
4	210420H5_4	250	1.58	NO	38.96	1.001	3.89e5	6.02e4	306	22.6	1.29	bb
5	210420H5_5	1200	1.57	NO	38.97	1.001	1.78e6	7.17e4	1180	-1.9	1.03	bb
6	210420H5_6	50.0	1.60	NO	38.96	1.001	6.26e4	5.66e4	52.4	4.9	1.11	bb

Compound name: Endosulfan II (beta)  
 Response Factor: 1.0892  
 RRF SD: 0.107685, Relative SD: 9.88659  
 Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	10.0	1.80	NO	39.69	1.000	6.49e3	2.69e4	11.1	10.7	1.21	bb
2	210420H5_2	15.0	1.53	NO	39.69	1.000	1.82e4	5.04e4	16.6	10.5	1.20	bb

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**Compound name: Endosulfan II (beta)**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	100	1.62	NO	39.69	1.000	8.20e4	4.02e4	93.5	-6.5	1.02	bd
4	210420H5_4	250	1.53	NO	39.68	1.000	1.22e5	2.48e4	225	-10.1	0.980	bd
5	210420H5_5	1200	1.56	NO	39.70	1.000	5.90e5	3.32e4	817	-32.0	0.741	bbX
6	210420H5_6	50.0	1.67	NO	39.69	1.000	2.04e4	1.97e4	47.7	-4.7	1.04	bb

**Compound name: 2,4'-DDD**

Response Factor: 1.02559

RRF SD: 0.0826181, Relative SD: 8.05567

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.61	NO	37.90	1.000	3.65e4	1.06e6	1.68	-15.8	0.863	MM
2	210420H5_2	10.0	1.62	NO	37.90	1.000	4.49e5	2.11e6	10.4	4.0	1.07	bd
3	210420H5_3	100	1.58	NO	37.89	1.000	3.36e6	1.64e6	100	0.0	1.03	bb
4	210420H5_4	250	1.58	NO	37.90	1.001	4.88e6	9.25e5	257	3.0	1.06	bb
5	210420H5_5	1200	1.59	NO	37.90	1.000	2.49e7	9.92e5	1230	2.2	1.05	bb
6	210420H5_6	50.0	1.61	NO	37.89	1.000	8.66e5	7.92e5	53.3	6.6	1.09	bb

**Compound name: 2,4'-DDT**

Response Factor: 1.01849

RRF SD: 0.0673218, Relative SD: 6.60995

Response type: Internal Std ( Ref 53 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.49	NO	39.02	1.000	2.03e4	5.60e5	1.78	-11.1	0.906	MM
2	210420H5_2	10.0	1.63	NO	39.02	1.000	2.38e5	1.15e6	10.2	1.5	1.03	dd
3	210420H5_3	100	1.57	NO	39.02	1.000	1.87e6	9.28e5	98.9	-1.1	1.01	dd
4	210420H5_4	250	1.57	NO	39.02	1.000	2.72e6	4.90e5	272	9.0	1.11	bd
5	210420H5_5	1200	1.57	NO	39.03	1.000	1.38e7	5.73e5	1180	-1.5	1.00	dd
6	210420H5_6	50.0	1.61	NO	39.02	1.000	4.31e5	4.10e5	51.6	3.1	1.05	dd

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Compound name: 4,4'-DDD  
 Response Factor: 1.10259  
 RRF SD: 0.0655778, Relative SD: 5.94762 /  
 Response type: Internal Std ( Ref 54 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.44	NO	39.15	1.000	3.22e4	8.29e5	1.76	-12.0	0.970	MM
2	210420H5_2	10.0	1.59	NO	39.15	1.000	3.78e5	1.69e6	10.1	1.4	1.12	dd
3	210420H5_3	100	1.60	NO	39.13	1.000	2.91e6	1.30e6	102	1.5	1.12	db
4	210420H5_4	250	1.58	NO	39.15	1.000	4.17e6	7.38e5	256	2.5	1.13	db
5	210420H5_5	1200	1.59	NO	39.15	1.000	2.09e7	7.72e5	1230	2.4	1.13	db
6	210420H5_6	50.0	1.56	NO	39.15	1.001	6.69e5	5.83e5	52.0	4.1	1.15	db

Compound name: 4,4'-DDT  
 Response Factor: 1.109  
 RRF SD: 0.07463, Relative SD: 6.72951 /  
 Response type: Internal Std ( Ref 55 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.44	NO	40.21	1.000	1.54e4	3.98e5	1.75	-12.6	0.969	dd
2	210420H5_2	10.0	1.53	NO	40.21	1.000	1.82e5	8.32e5	9.89	-1.1	1.10	dd
3	210420H5_3	100	1.59	NO	40.20	1.000	1.41e6	6.35e5	99.9	-0.1	1.11	db
4	210420H5_4	250	1.58	NO	40.20	1.000	2.12e6	3.65e5	262	4.8	1.16	db
5	210420H5_5	1200	1.59	NO	40.22	1.000	1.02e7	3.70e5	1240	3.3	1.15	db
6	210420H5_6	50.0	1.58	NO	40.21	1.000	2.99e5	2.55e5	52.9	5.8	1.17	dd

Compound name: Endosulfan Sulfate  
 Response Factor: 1.03685  
 RRF SD: 0.0488543, Relative SD: 4.71178 /  
 Response type: Internal Std ( Ref 56 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	10.0	1.48	NO	41.40	1.000	6.94e3	3.51e4	9.53	-4.7	0.988	MM
2	210420H5_2	15.0	1.62	NO	41.40	1.000	2.03e4	6.89e4	14.2	-5.4	0.981	bb

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**Compound name: Endosulfan Sulfate**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	100	1.56	NO	41.40	1.000	1.04e5	5.01e4	99.6	-0.4	1.03	bb
4	210420H5_4	250	1.59	NO	41.40	1.000	1.55e5	2.78e4	268	7.3	1.11	bb
5	210420H5_5	1200	1.60	NO	41.41	1.000	6.87e5	2.70e4	1230	2.3	1.06	bb
6	210420H5_6	50.0	1.48	NO	41.40	1.000	2.18e4	2.08e4	50.5	0.9	1.05	bb

**Compound name: 4,4'-Methoxychlor**

Response Factor: 1.1575

RRF SD: 0.0517055, Relative SD: 4.467

Response type: Internal Std ( Ref 57 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	10.0	5.46	NO	43.25	1.000	9.38e4	4.44e6	9.13	-8.7	1.06	MM
2	210420H5_2	15.0	5.23	NO	43.25	1.000	3.09e5	8.73e6	15.3	2.1	1.18	bb
3	210420H5_3	100	5.28	NO	43.24	1.000	1.42e6	6.15e6	100	0.1	1.16	db
4	210420H5_4	250	5.19	NO	43.24	1.000	2.11e6	3.57e6	255	1.9	1.18	bb
5	210420H5_5	1200	5.40	NO	43.25	1.000	7.99e6	2.85e6	1210	0.8	1.17	db
6	210420H5_6	50.0	5.34	NO	43.24	1.000	2.55e5	2.12e6	51.9	3.9	1.20	bb

**Compound name: Mirex**

Response Factor: 1.02204

RRF SD: 0.102678, Relative SD: 10.0464

Response type: Internal Std ( Ref 58 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	2.00	1.51	NO	43.85	1.000	1.09e4	3.33e5	1.60	-20.2	0.816	bb
2	210420H5_2	10.0	1.56	NO	43.87	1.001	1.29e5	5.90e5	10.7	6.9	1.09	bb
3	210420H5_3	100	1.56	NO	43.85	1.000	8.75e5	4.19e5	102	2.2	1.04	bd
4	210420H5_4	250	1.56	NO	43.85	1.000	1.37e6	2.54e5	264	5.5	1.08	bd
5	210420H5_5	1200	1.58	NO	43.87	1.000	4.65e6	1.84e5	1240	3.1	1.05	bd
6	210420H5_6	50.0	1.64	NO	43.85	1.000	1.62e5	1.54e5	51.2	2.4	1.05	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: Endrin Aldehyde**

Response Factor: 1.18428

RRF SD: 0.101334, Relative SD: 8.55658

Response type: Internal Std ( Ref 59 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	10.0	0.65	NO	40.81	1.001	8.19e3	4.06e5	8.51	-14.9	1.01	MM
2	210420H5_2	15.0	0.64	NO	40.81	1.001	2.88e4	8.47e5	14.4	-4.1	1.14	MM
3	210420H5_3	100	0.61	NO	40.80	1.000	1.49e5	6.30e5	99.6	-0.4	1.18	MM
4	210420H5_4	250	0.61	NO	40.80	1.000	2.23e5	3.53e5	267	6.6	1.26	MM
5	210420H5_5	1200	0.61	NO	40.81	1.000	1.03e6	3.44e5	1270	5.7	1.25	MM
6	210420H5_6	50.0	0.57	NO	40.80	1.000	3.66e4	2.88e5	53.6	7.1	1.27	MM

**Compound name: Endrin Ketone**

Response Factor: 1.04012

RRF SD: 0.087256, Relative SD: 8.38902

Response type: Internal Std ( Ref 60 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	10.0	0.61	NO	43.99	1.000	6.74e3	3.65e5	8.88	-11.2	0.923	bb
2	210420H5_2	15.0	0.67	NO	43.99	1.000	1.98e4	6.96e5	13.7	-8.7	0.949	bb
3	210420H5_3	100	0.60	NO	43.99	1.000	1.04e5	5.07e5	98.9	-1.1	1.03	db
4	210420H5_4	250	0.62	NO	43.99	1.000	1.59e5	2.85e5	267	6.8	1.11	db
5	210420H5_5	1200	0.61	NO	44.01	1.001	6.42e5	2.39e5	1290	7.5	1.12	db
6	210420H5_6	50.0	0.58	NO	43.99	1.001	2.25e4	2.03e5	53.4	6.7	1.11	db

**Compound name: 13C6-Hexachlorobenzene**

Response Factor: 0.893569

RRF SD: 0.045963, Relative SD: 5.14375

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.27	NO	22.68	0.870	1.42e6	1.58e6	50.2	0.4	0.897	bb
2	210420H5_2	50.0	1.28	NO	22.69	0.870	2.74e6	3.27e6	47.0	-6.1	0.839	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 13C6-Hexachlorobenzene**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	50.0	1.29	NO	22.68	0.870	2.11e6	2.46e6	48.0	-3.9	0.859	bb
4	210420H5_4	50.0	1.29	NO	22.68	0.870	1.20e6	1.32e6	50.8	1.7	0.908	bb
5	210420H5_5	50.0	1.29	NO	22.71	0.871	1.23e6	1.26e6	54.4	8.7	0.972	bb
6	210420H5_6	50.0	1.27	NO	22.68	0.870	1.10e6	1.24e6	49.6	-0.8	0.887	bb

**Compound name: 13C6-Alpha-BHC**

Response Factor: 0.249499

RRF SD: 0.0130567, Relative SD: 5.23314

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	0.80	NO	23.23	0.891	3.87e5	1.58e6	49.0	-2.0	0.244	bb
2	210420H5_2	50.0	0.79	NO	23.23	0.891	7.69e5	3.27e6	47.2	-5.7	0.235	bb
3	210420H5_3	50.0	0.78	NO	23.23	0.891	5.89e5	2.46e6	48.0	-4.1	0.239	bb
4	210420H5_4	50.0	0.79	NO	23.23	0.891	3.37e5	1.32e6	51.0	1.9	0.254	bb
5	210420H5_5	50.0	0.80	NO	23.24	0.891	3.44e5	1.26e6	54.5	8.9	0.272	bb
6	210420H5_6	50.0	0.80	NO	23.23	0.891	3.12e5	1.24e6	50.5	1.0	0.252	bb

**Compound name: 13C6-Lindane (gamma)**

Response Factor: 0.189647

RRF SD: 0.00866734, Relative SD: 4.57024

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	0.77	NO	26.57	1.020	2.96e5	1.58e6	49.2	-1.5	0.187	bb
2	210420H5_2	50.0	0.79	NO	26.57	1.019	5.89e5	3.27e6	47.5	-4.9	0.180	bb
3	210420H5_3	50.0	0.80	NO	26.57	1.020	4.55e5	2.46e6	48.8	-2.4	0.185	bb
4	210420H5_4	50.0	0.79	NO	26.57	1.020	2.56e5	1.32e6	51.0	2.0	0.193	bb
5	210420H5_5	50.0	0.78	NO	26.59	1.020	2.59e5	1.26e6	54.1	8.1	0.205	bb
6	210420H5_6	50.0	0.78	NO	26.57	1.020	2.32e5	1.24e6	49.4	-1.3	0.187	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 13C6-Beta-BHC**

Response Factor: 0.130772

RRF SD: 0.00723362, Relative SD: 5.53148

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	0.79	NO	28.59	1.097	2.06e5	1.58e6	49.7	-0.6	0.130	bb
2	210420H5_2	50.0	0.79	NO	28.59	1.097	4.07e5	3.27e6	47.6	-4.9	0.124	bb
3	210420H5_3	50.0	0.78	NO	28.59	1.097	3.11e5	2.46e6	48.3	-3.3	0.126	bb
4	210420H5_4	50.0	0.79	NO	28.59	1.097	1.75e5	1.32e6	50.4	0.8	0.132	bb
5	210420H5_5	50.0	0.75	NO	28.61	1.097	1.83e5	1.26e6	55.3	10.5	0.145	bd
6	210420H5_6	50.0	0.77	NO	28.60	1.097	1.58e5	1.24e6	48.7	-2.5	0.127	bb

**Compound name: 13C6-Delta-BHC**

Response Factor: 0.165218

RRF SD: 0.0123835, Relative SD: 7.49527

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	0.78	NO	30.25	1.161	2.53e5	1.58e6	48.4	-3.2	0.160	bb
2	210420H5_2	50.0	0.80	NO	30.25	1.160	5.03e5	3.27e6	46.6	-6.8	0.154	bb
3	210420H5_3	50.0	0.78	NO	30.25	1.161	3.94e5	2.46e6	48.4	-3.2	0.160	bb
4	210420H5_4	50.0	0.78	NO	30.25	1.161	2.24e5	1.32e6	51.1	2.2	0.169	bd
5	210420H5_5	50.0	0.81	NO	30.27	1.161	2.38e5	1.26e6	57.1	14.1	0.189	bb
6	210420H5_6	50.0	0.79	NO	30.25	1.161	1.98e5	1.24e6	48.4	-3.2	0.160	bb

**Compound name: 13C10-Heptachlor**

Response Factor: 0.106401

RRF SD: 0.00793347, Relative SD: 7.45621

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.35	NO	28.71	1.102	1.73e5	1.58e6	51.3	2.6	0.109	bb
2	210420H5_2	50.0	1.29	NO	28.71	1.101	3.42e5	3.27e6	49.1	-1.8	0.105	bd

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 13C10-Heptachlor**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	50.0	1.30	NO	28.71	1.102	2.58e5	2.46e6	49.2	-1.6	0.105	bb
4	210420H5_4	50.0	1.29	NO	28.71	1.102	1.40e5	1.32e6	49.5	-0.9	0.105	bb
5	210420H5_5	50.0	1.30	NO	28.72	1.102	1.51e5	1.26e6	56.2	12.4	0.120	bb
6	210420H5_6	50.0	1.37	NO	28.71	1.102	1.18e5	1.24e6	44.7	-10.6	0.0951	bb

**Compound name: 13C12-Aldrin**

Response Factor: 0.152163

RRF SD: 0.00723545, Relative SD: 4.75505

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.55	NO	30.79	1.181	2.62e5	1.58e6	54.3	8.7	0.165	bb
2	210420H5_2	50.0	1.53	NO	30.80	1.181	4.72e5	3.27e6	47.4	-5.1	0.144	bb
3	210420H5_3	50.0	1.55	NO	30.79	1.182	3.65e5	2.46e6	48.7	-2.6	0.148	bb
4	210420H5_4	50.0	1.62	NO	30.79	1.181	2.03e5	1.32e6	50.4	0.8	0.153	bb
5	210420H5_5	50.0	1.62	NO	30.80	1.181	1.93e5	1.26e6	50.1	0.2	0.153	bb
6	210420H5_6	50.0	1.58	NO	30.79	1.182	1.85e5	1.24e6	49.0	-2.0	0.149	bb

**Compound name: 13C10-Oxychlordan**

Response Factor: 0.0440861

RRF SD: 0.00255714, Relative SD: 5.80034

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.55	NO	33.35	1.280	7.34e4	1.58e6	52.6	5.2	0.0464	bb
2	210420H5_2	50.0	1.56	NO	33.35	1.279	1.39e5	3.27e6	48.3	-3.3	0.0426	bb
3	210420H5_3	50.0	1.57	NO	33.35	1.280	1.06e5	2.46e6	48.7	-2.5	0.0430	bb
4	210420H5_4	50.0	1.63	NO	33.35	1.280	6.00e4	1.32e6	51.3	2.6	0.0453	bb
5	210420H5_5	50.0	1.60	NO	33.37	1.280	5.94e4	1.26e6	53.3	6.6	0.0470	bb
6	210420H5_6	50.0	1.59	NO	33.35	1.280	4.99e4	1.24e6	45.7	-8.6	0.0403	bb



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 13C10-cis-Heptachlor Epoxide**

Response Factor: 0.057409

RRF SD: 0.00211143, Relative SD: 3.67788

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.58	NO	34.14	1.310	9.56e4	1.58e6	52.6	5.2	0.0604	bb
2	210420H5_2	50.0	1.58	NO	34.14	1.310	1.88e5	3.27e6	50.1	0.2	0.0575	bb
3	210420H5_3	50.0	1.63	NO	34.14	1.310	1.37e5	2.46e6	48.3	-3.3	0.0555	bb
4	210420H5_4	50.0	1.71	NO	34.14	1.310	7.35e4	1.32e6	48.3	-3.4	0.0554	bb
5	210420H5_5	50.0	1.61	NO	34.16	1.310	7.52e4	1.26e6	51.8	3.5	0.0594	bb
6	210420H5_6	50.0	1.61	NO	34.14	1.310	6.95e4	1.24e6	48.9	-2.2	0.0561	bb

**Compound name: 13C10-trans-Chlordane (gamma)**

Response Factor: 0.0389938

RRF SD: 0.00216762, Relative SD: 5.55888

Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.54	NO	35.03	1.344	6.56e4	1.58e6	53.2	6.3	0.0415	bd
2	210420H5_2	50.0	1.67	NO	35.05	1.344	1.25e5	3.27e6	48.9	-2.2	0.0381	bb
3	210420H5_3	50.0	1.66	NO	35.03	1.344	9.42e4	2.46e6	49.1	-1.9	0.0383	bd
4	210420H5_4	50.0	1.61	NO	35.03	1.344	5.06e4	1.32e6	49.0	-2.0	0.0382	bd
5	210420H5_5	50.0	1.71	NO	35.05	1.344	5.28e4	1.26e6	53.5	7.0	0.0417	bd
6	210420H5_6	50.0	1.54	NO	35.03	1.344	4.48e4	1.24e6	46.4	-7.3	0.0362	bb

**Compound name: 13C10-trans-Nonachlor**

Response Factor: 0.0771941

RRF SD: 0.00279016, Relative SD: 3.61447

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.58	NO	35.22	0.983	7.40e4	9.19e5	52.2	4.4	0.0806	db
2	210420H5_2	50.0	1.60	NO	35.22	0.983	1.41e5	1.86e6	49.2	-1.7	0.0759	bb

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Compound name: 13C10-trans-Nonachlor

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	50.0	1.60	NO	35.22	0.983	1.04e5	1.41e6	47.5	-4.9	0.0734	db
4	210420H5_4	50.0	1.62	NO	35.22	0.983	5.70e4	7.30e5	50.5	1.1	0.0780	db
5	210420H5_5	50.0	1.68	NO	35.24	0.983	5.85e4	7.33e5	51.7	3.5	0.0799	db
6	210420H5_6	50.0	1.59	NO	35.22	0.983	4.88e4	6.48e5	48.8	-2.4	0.0754	bb

Compound name: 13C9-Endosulfan I (alpha)

Response Factor: 0.0540932  
 RRF SD: 0.00788491, Relative SD: 14.5765  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.58	NO	35.82	0.999	4.49e4	9.19e5	45.2	-9.7	0.0489	bb
2	210420H5_2	50.0	1.63	NO	35.82	0.999	9.10e4	1.86e6	45.3	-9.3	0.0490	bb
3	210420H5_3	50.0	1.53	NO	35.82	1.000	7.05e4	1.41e6	46.1	-7.8	0.0499	bb
4	210420H5_4	50.0	1.78	NO	35.82	1.000	4.11e4	7.30e5	52.1	4.1	0.0563	db
5	210420H5_5	50.0	1.89	NO	35.82	0.999	5.07e4	7.33e5	63.9	27.9	0.0692	dd
6	210420H5_6	50.0	1.62	NO	35.82	1.000	3.32e4	6.48e5	47.4	-5.2	0.0513	db

Compound name: 13C12-2,4'-DDE

Response Factor: 1.83959  
 RRF SD: 0.0455247, Relative SD: 2.47472  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.58	NO	35.69	0.996	1.70e6	9.19e5	50.3	0.6	1.85	bb
2	210420H5_2	50.0	1.57	NO	35.69	0.996	3.31e6	1.86e6	48.5	-3.0	1.78	bb
3	210420H5_3	50.0	1.58	NO	35.67	0.996	2.52e6	1.41e6	48.4	-3.2	1.78	bb
4	210420H5_4	50.0	1.59	NO	35.69	0.996	1.37e6	7.30e5	50.9	1.7	1.87	dd
5	210420H5_5	50.0	1.59	NO	35.69	0.996	1.37e6	7.33e5	51.0	2.0	1.88	bb
6	210420H5_6	50.0	1.61	NO	35.67	0.996	1.21e6	6.48e5	51.0	2.0	1.88	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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 Printed: Wednesday, April 21, 2021 10:56:56 Pacific Daylight Time

**Compound name: 13C12-4,4'-DDE**

Response Factor: 1.30559

RRF SD: 0.0411217, Relative SD: 3.14967

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.59	NO	36.76	1.025	1.24e6	9.19e5	51.6	3.3	1.35	bb
2	210420H5_2	50.0	1.58	NO	36.76	1.025	2.39e6	1.86e6	49.4	-1.2	1.29	bb
3	210420H5_3	50.0	1.60	NO	36.74	1.025	1.79e6	1.41e6	48.4	-3.2	1.26	bd
4	210420H5_4	50.0	1.57	NO	36.74	1.025	9.78e5	7.30e5	51.3	2.6	1.34	bd
5	210420H5_5	50.0	1.59	NO	36.75	1.025	9.79e5	7.33e5	51.2	2.4	1.34	bb
6	210420H5_6	50.0	1.61	NO	36.74	1.025	8.13e5	6.48e5	48.1	-3.9	1.26	bb

**Compound name: 13C12-Dieldrin**

Response Factor: 0.17716

RRF SD: 0.00549997, Relative SD: 3.10451

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.60	NO	37.27	1.039	1.62e5	9.19e5	49.9	-0.3	0.177	bb
2	210420H5_2	50.0	1.56	NO	37.27	1.039	3.21e5	1.86e6	48.8	-2.4	0.173	bb
3	210420H5_3	50.0	1.55	NO	37.25	1.039	2.39e5	1.41e6	47.8	-4.4	0.169	bb
4	210420H5_4	50.0	1.61	NO	37.25	1.039	1.34e5	7.30e5	51.9	3.8	0.184	bd
5	210420H5_5	50.0	1.59	NO	37.27	1.039	1.34e5	7.33e5	51.4	2.9	0.182	bb
6	210420H5_6	50.0	1.58	NO	37.25	1.039	1.15e5	6.48e5	50.2	0.4	0.178	bb

**Compound name: 13C12-Endrin**

Response Factor: 0.0827786

RRF SD: 0.0156846, Relative SD: 18.9476

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.61	NO	38.65	1.078	8.52e4	9.19e5	56.0	12.0	0.0927	bb
2	210420H5_2	50.0	1.64	NO	38.66	1.078	1.93e5	1.86e6	62.8	25.6	0.104	bd

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 13C12-Endrin**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	50.0	1.56	NO	38.65	1.079	1.24e5	1.41e6	52.8	5.6	0.0874	bb
4	210420H5_4	50.0	1.54	NO	38.65	1.079	5.89e4	7.30e5	48.7	-2.6	0.0806	bb
5	210420H5_5	50.0	1.58	NO	38.66	1.078	5.33e4	7.33e5	44.0	-12.1	0.0728	bb
6	210420H5_6	50.0	1.48	NO	38.66	1.079	3.83e4	6.48e5	35.7	-28.5	0.0592	bb

**Compound name: 13C10-cis-Nonachlor**

Response Factor: 0.0907588  
 RRF SD: 0.00568362, Relative SD: 6.26234  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.62	NO	38.93	1.086	8.85e4	9.19e5	53.1	6.1	0.0963	db
2	210420H5_2	50.0	1.52	NO	38.94	1.086	1.68e5	1.86e6	50.0	-0.0	0.0907	db
3	210420H5_3	50.0	1.56	NO	38.93	1.086	1.27e5	1.41e6	49.5	-1.0	0.0898	db
4	210420H5_4	50.0	1.57	NO	38.93	1.086	6.02e4	7.30e5	45.5	-9.1	0.0825	db
5	210420H5_5	50.0	1.71	NO	38.94	1.086	7.17e4	7.33e5	53.9	7.8	0.0978	db
6	210420H5_6	50.0	1.57	NO	38.93	1.086	5.66e4	6.48e5	48.1	-3.8	0.0873	db

**Compound name: 13C9-Endosulfan II**

Response Factor: 0.0298598  
 RRF SD: 0.00259705, Relative SD: 8.69749  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.56	NO	39.67	1.107	2.69e4	9.19e5	49.0	-1.9	0.0293	bb
2	210420H5_2	50.0	1.56	NO	39.67	1.107	5.04e4	1.86e6	45.4	-9.1	0.0271	bb
3	210420H5_3	50.0	1.58	NO	39.67	1.107	4.02e4	1.41e6	47.7	-4.6	0.0285	bb
4	210420H5_4	50.0	1.66	NO	39.67	1.107	2.48e4	7.30e5	56.9	13.8	0.0340	bb
5	210420H5_5	50.0	2.09	YES	39.69	1.107	3.32e4	7.33e5	75.8	51.6	0.0453	MMX
6	210420H5_6	50.0	1.46	NO	39.67	1.107	1.97e4	6.48e5	50.9	1.8	0.0304	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 13C12-2,4'-DDD**

Response Factor: 1.21438

RRF SD: 0.0844571, Relative SD: 6.95478

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.53	NO	37.89	1.057	1.06e6	9.19e5	47.4	-5.2	1.15	bb
2	210420H5_2	50.0	1.55	NO	37.89	1.057	2.11e6	1.86e6	46.7	-6.5	1.14	bb
3	210420H5_3	50.0	1.56	NO	37.87	1.057	1.64e6	1.41e6	47.7	-4.7	1.16	bb
4	210420H5_4	50.0	1.57	NO	37.87	1.057	9.25e5	7.30e5	52.1	4.3	1.27	bb
5	210420H5_5	50.0	1.56	NO	37.89	1.057	9.92e5	7.33e5	55.7	11.5	1.35	bb
6	210420H5_6	50.0	1.61	NO	37.87	1.057	7.92e5	6.48e5	50.3	0.7	1.22	bb

**Compound name: 13C12-2,4'-DDT**

Response Factor: 0.661999

RRF SD: 0.0631618, Relative SD: 9.54107

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.78	NO	39.00	1.088	5.60e5	9.19e5	46.1	-7.9	0.610	bd
2	210420H5_2	50.0	1.79	NO	39.00	1.088	1.15e6	1.86e6	46.8	-6.5	0.619	bd
3	210420H5_3	50.0	1.84	NO	39.00	1.088	9.28e5	1.41e6	49.6	-0.8	0.657	dd
4	210420H5_4	50.0	1.80	NO	39.00	1.088	4.90e5	7.30e5	50.7	1.3	0.671	bd
5	210420H5_5	50.0	1.79	NO	39.02	1.088	5.73e5	7.33e5	59.1	18.2	0.782	dd
6	210420H5_6	50.0	1.75	NO	39.00	1.088	4.10e5	6.48e5	47.8	-4.4	0.633	bd

**Compound name: 13C12-4,4'-DDD**

Response Factor: 0.949767

RRF SD: 0.0658139, Relative SD: 6.92947

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.57	NO	39.14	1.092	8.29e5	9.19e5	47.5	-5.0	0.902	db
2	210420H5_2	50.0	1.57	NO	39.14	1.092	1.69e6	1.86e6	48.0	-4.0	0.912	db

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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Compound name: 13C12-4,4'-DDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	50.0	1.56	NO	39.13	1.092	1.30e6	1.41e6	48.5	-3.1	0.920	db
4	210420H5_4	50.0	1.55	NO	39.13	1.092	7.38e5	7.30e5	53.2	6.4	1.01	db
5	210420H5_5	50.0	1.59	NO	39.15	1.092	7.72e5	7.33e5	55.5	11.0	1.05	db
6	210420H5_6	50.0	1.60	NO	39.12	1.092	5.83e5	6.48e5	47.4	-5.3	0.900	db

Compound name: 13C12-4,4'-DDT

Response Factor: 0.454584

RRF SD: 0.0419801, Relative SD: 9.23485

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.61	NO	40.19	1.121	3.98e5	9.19e5	47.6	-4.8	0.433	db
2	210420H5_2	50.0	1.59	NO	40.19	1.121	8.32e5	1.86e6	49.3	-1.4	0.448	db
3	210420H5_3	50.0	1.62	NO	40.19	1.122	6.35e5	1.41e6	49.4	-1.2	0.449	db
4	210420H5_4	50.0	1.60	NO	40.19	1.122	3.65e5	7.30e5	54.9	9.8	0.499	bb
5	210420H5_5	50.0	1.62	NO	40.21	1.122	3.70e5	7.33e5	55.5	11.0	0.505	bb
6	210420H5_6	50.0	1.61	NO	40.19	1.122	2.55e5	6.48e5	43.3	-13.5	0.393	db

Compound name: 13C9-Endosulfan Sulfate

Response Factor: 0.0363159

RRF SD: 0.00227657, Relative SD: 6.26879

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.56	NO	41.38	1.154	3.51e4	9.19e5	52.6	5.2	0.0382	db
2	210420H5_2	50.0	1.67	NO	41.38	1.154	6.89e4	1.86e6	51.1	2.2	0.0371	db
3	210420H5_3	50.0	1.54	NO	41.38	1.155	5.01e4	1.41e6	48.8	-2.4	0.0355	bd
4	210420H5_4	50.0	1.82	NO	41.38	1.155	2.78e4	7.30e5	52.5	5.0	0.0381	bb
5	210420H5_5	50.0	1.54	NO	41.40	1.155	2.70e4	7.33e5	50.7	1.5	0.0368	bb
6	210420H5_6	50.0	1.46	NO	41.38	1.155	2.08e4	6.48e5	44.3	-11.5	0.0321	bb

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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**Compound name: 13C12-Methoxychlor**

Response Factor: 0.432533

RRF SD: 0.0635513, Relative SD: 14.6928

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	500	12.90	NO	43.24	1.206	4.44e6	9.19e5	559	11.8	0.483	db
2	210420H5_2	500	13.00	NO	43.24	1.206	8.73e6	1.86e6	544	8.8	0.471	db
3	210420H5_3	500	13.31	NO	43.24	1.207	6.15e6	1.41e6	503	0.6	0.435	db
4	210420H5_4	500	13.80	NO	43.24	1.207	3.57e6	7.30e5	566	13.1	0.489	db
5	210420H5_5	500	15.52	NO	43.24	1.206	2.85e6	7.33e5	450	-9.9	0.390	db
6	210420H5_6	500	14.04	NO	43.22	1.206	2.12e6	6.48e5	378	-24.3	0.327	bb

**Compound name: 13C10-Mirex**

Response Factor: 0.302372

RRF SD: 0.0503168, Relative SD: 16.6407

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.59	NO	43.84	1.223	3.33e5	9.19e5	60.0	19.9	0.363	bd
2	210420H5_2	50.0	1.61	NO	43.84	1.223	5.90e5	1.86e6	52.6	5.1	0.318	dd
3	210420H5_3	50.0	1.60	NO	43.83	1.223	4.19e5	1.41e6	49.1	-1.9	0.297	bd
4	210420H5_4	50.0	1.57	NO	43.83	1.223	2.54e5	7.30e5	57.5	14.9	0.348	bd
5	210420H5_5	50.0	1.67	NO	43.85	1.223	1.84e5	7.33e5	41.5	-17.0	0.251	bd
6	210420H5_6	50.0	1.59	NO	43.83	1.223	1.54e5	6.48e5	39.4	-21.1	0.238	bd

**Compound name: 13C12-Endrin Aldehyde**

Response Factor: 0.0457

RRF SD: 0.00162737, Relative SD: 3.56099

Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	500	0.33	NO	40.78	1.138	4.06e5	9.19e5	484	-3.3	0.0442	MM
2	210420H5_2	500	0.35	NO	40.78	1.138	8.47e5	1.86e6	499	-0.1	0.0456	MM

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

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 Printed: Wednesday, April 21, 2021 10:56:56 Pacific Daylight Time

**Compound name: 13C12-Endrin Aldehyde**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210420H5_3	500	0.35	NO	40.78	1.138	6.30e5	1.41e6	488	-2.4	0.0446	MM
4	210420H5_4	500	0.37	NO	40.78	1.138	3.53e5	7.30e5	528	5.7	0.0483	MM
5	210420H5_5	500	0.39	NO	40.80	1.138	3.44e5	7.33e5	514	2.8	0.0470	MM
6	210420H5_6	500	0.36	NO	40.78	1.138	2.88e5	6.48e5	487	-2.7	0.0445	MM

**Compound name: 13C12-Endrin Ketone**

Response Factor: 0.0360233  
 RRF SD: 0.00342716, Relative SD: 9.51373  
 Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	500	0.34	NO	43.98	1.227	3.65e5	9.19e5	551	10.2	0.0397	bb
2	210420H5_2	500	0.35	NO	43.98	1.227	6.96e5	1.86e6	520	4.1	0.0375	bb
3	210420H5_3	500	0.36	NO	43.98	1.227	5.07e5	1.41e6	498	-0.5	0.0359	bb
4	210420H5_4	500	0.36	NO	43.98	1.227	2.85e5	7.30e5	543	8.5	0.0391	bb
5	210420H5_5	500	0.37	NO	43.98	1.227	2.39e5	7.33e5	453	-9.4	0.0326	db
6	210420H5_6	500	0.38	NO	43.96	1.227	2.03e5	6.48e5	435	-13.0	0.0313	db

**Compound name: 13C-PCB-15**

Response Factor: 1  
 RRF SD: 0, Relative SD: 0  
 Response type: Internal Std ( Ref 62 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	1.54	NO	26.06	1.000	1.58e6	1.58e6	50.0	0.0	1.00	bb
2	210420H5_2	50.0	1.55	NO	26.07	1.000	3.27e6	3.27e6	50.0	0.0	1.00	bd
3	210420H5_3	50.0	1.56	NO	26.06	1.000	2.46e6	2.46e6	50.0	0.0	1.00	bd
4	210420H5_4	50.0	1.57	NO	26.06	1.000	1.32e6	1.32e6	50.0	0.0	1.00	bb
5	210420H5_5	50.0	1.57	NO	26.07	1.000	1.26e6	1.26e6	50.0	0.0	1.00	bb
6	210420H5_6	50.0	1.57	NO	26.06	1.000	1.24e6	1.24e6	50.0	0.0	1.00	bb



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_CRV.qld

Last Altered: Wednesday, April 21, 2021 10:38:29 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:01:21 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Compound name: 13C-PCB-60  
Response Factor: 1  
RRF SD: 0, Relative SD: 0  
Response type: Internal Std ( Ref 63 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210420H5_1	50.0	0.77	NO	35.85	1.000	9.19e5	9.19e5	50.0	0.0	1.00	bb
2	210420H5_2	50.0	0.79	NO	35.85	1.000	1.86e6	1.86e6	50.0	0.0	1.00	bb
3	210420H5_3	50.0	0.78	NO	35.83	1.000	1.41e6	1.41e6	50.0	0.0	1.00	bb
4	210420H5_4	50.0	0.78	NO	35.83	1.000	7.30e5	7.30e5	50.0	0.0	1.00	bd
5	210420H5_5	50.0	0.78	NO	35.85	1.000	7.33e5	7.33e5	50.0	0.0	1.00	bb
6	210420H5_6	50.0	0.79	NO	35.83	1.000	6.48e5	6.48e5	50.0	0.0	1.00	bd

Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 11:18:37 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:19:12 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

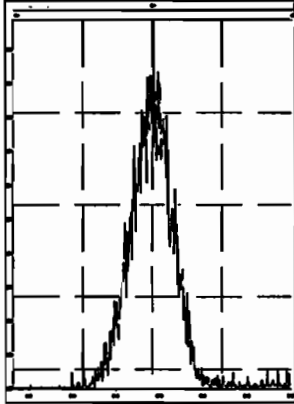
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210420H5_1	ST210420H5_1 1699 CS1 21D0901	20-Apr-21	18:15:12
2	210420H5_2	ST210420H5_2 1699 CS2 20B2102	20-Apr-21	19:02:05
3	210420H5_3	ST210420H5_3 1699 CS3.5 20B2104	20-Apr-21	19:50:22
4	210420H5_4	ST210420H5_4 1699 CS4 21D0902	20-Apr-21	20:38:48
5	210420H5_5	ST210420H5_5 1699 CS5 21D0903	20-Apr-21	21:27:08
6	210420H5_6	ST210420H5_6 1699 CS3 21C0402	20-Apr-21	22:15:33
7	210420H5_7	SS210420H5_1 1699 SS 20B2107	20-Apr-21	23:03:52
8	210420H5_8	GC210420H5_1 GC BREAK	20-Apr-21	23:52:13
9	210420H5_9	SOLVENT BLANK	21-Apr-21	00:48:44
10	210420H5_10	B1D0080-BS4 OPR 1	21-Apr-21	01:35:34
11	210420H5_11	SOLVENT BLANK	21-Apr-21	02:23:56
12	210420H5_12	2104002-04 USMPDI-077SS-210330 1.76	21-Apr-21	03:12:19
13	210420H5_13	B1D0071-DUP2 Duplicate 2.16	21-Apr-21	04:00:40
14	210420H5_14	2103216-11RE1@5X USMPDI-064RAB-00-10...	21-Apr-21	04:49:01
15	210420H5_15	2103216-02RE1@10X USMPDI-058RAB-10-2...	21-Apr-21	05:37:22
16	210420H5_16	2103219-01@5X USMPDI-068RAB-00-10-210...	21-Apr-21	06:25:44
17	210420H5_17	2103219-04 @5X USMPDI-069RAB-00-10-21...	21-Apr-21	07:14:04

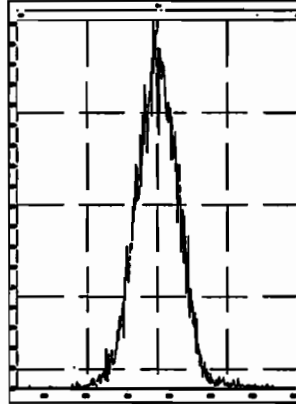
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:10:55 Pacific Daylight Time

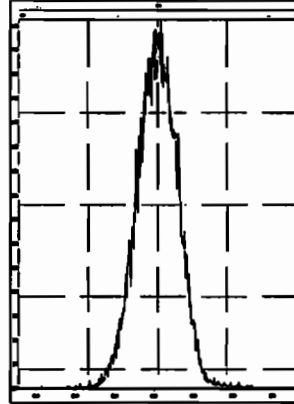
M 254.9856 R 11974



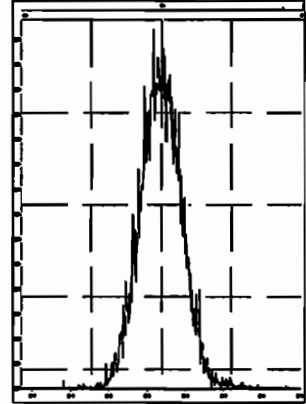
M 268.9824 R 12044



M 280.9824 R 11767



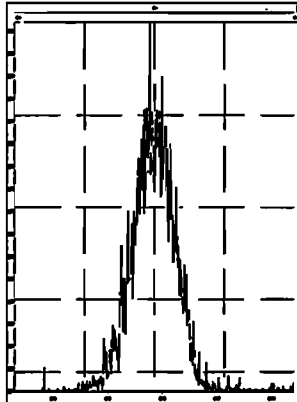
M 292.9824 R 11907



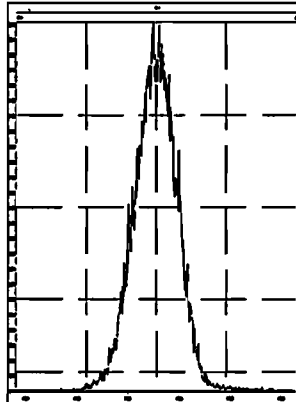
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:11:15 Pacific Daylight Time

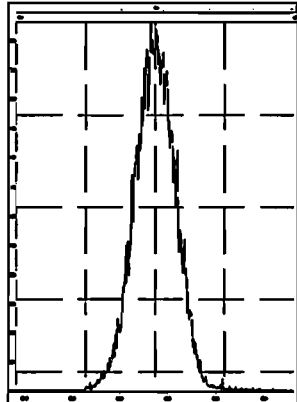
M 204.9888 R 11977



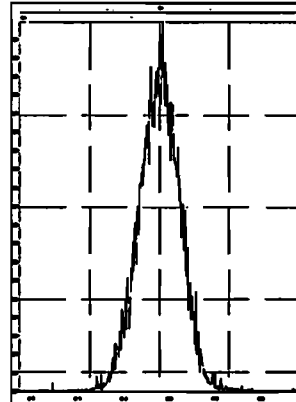
M 218.9856 R 11902



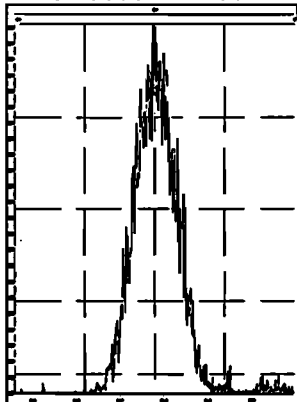
M 230.9856 R 11493



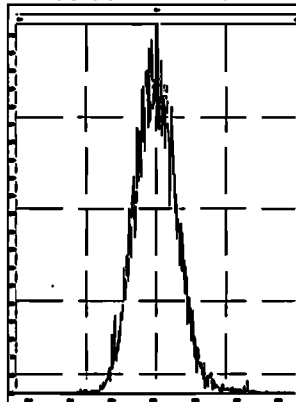
M 242.9856 R 11904



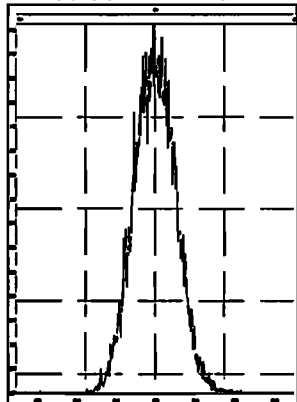
M 254.9856 R 12904



M 268.9824 R 12051



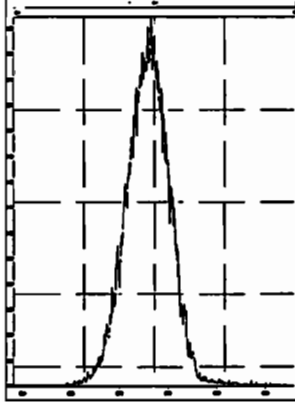
M 280.9824 R 11974



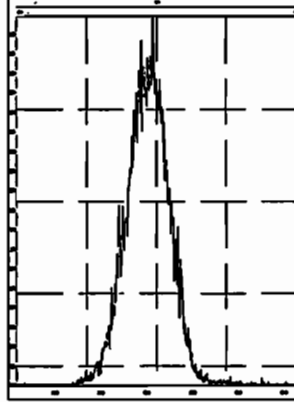
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:12:02 Pacific Daylight Time

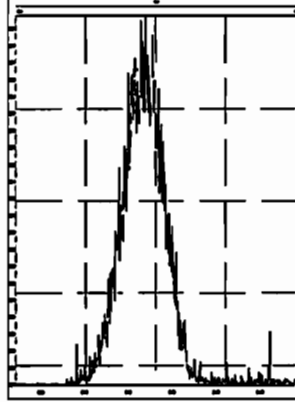
M 230.9856 R 11365



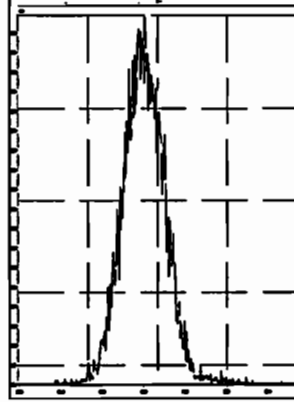
M 242.9856 R 12120



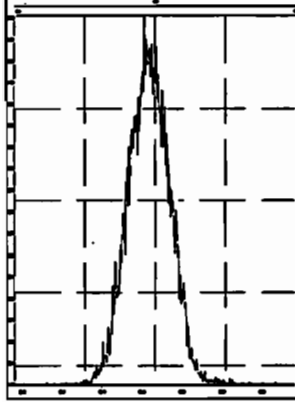
M 254.9856 R 11976



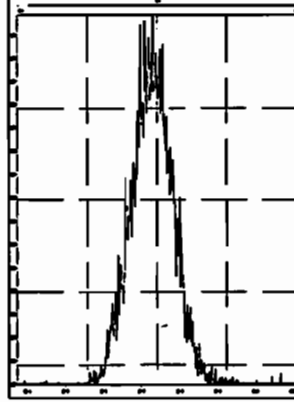
M 268.9824 R 12264



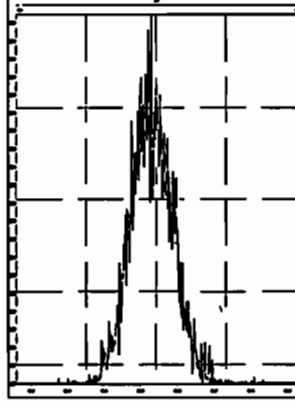
M 280.9824 R 11977



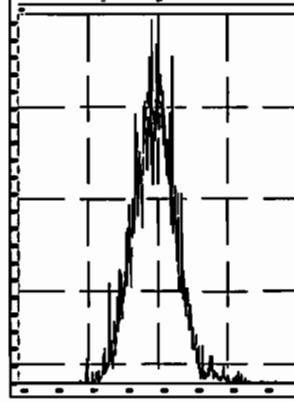
M 292.9824 R 11978



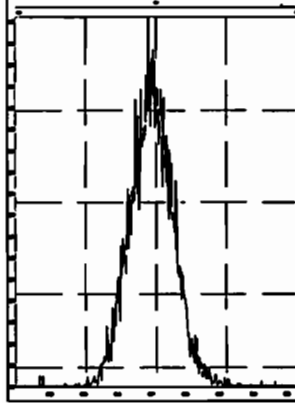
M 304.9824 R 12267



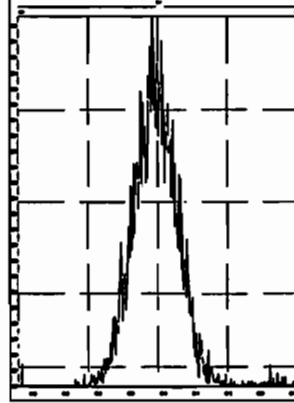
M 318.9792 R 13071



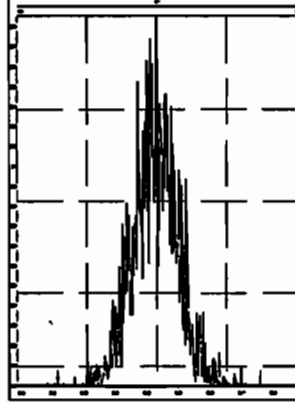
M 330.9792 R 11628



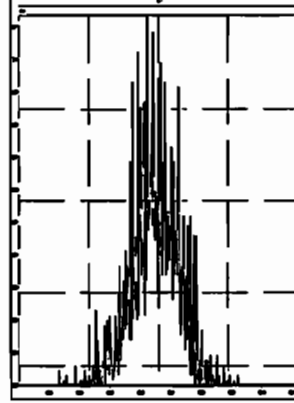
M 342.9792 R 12049



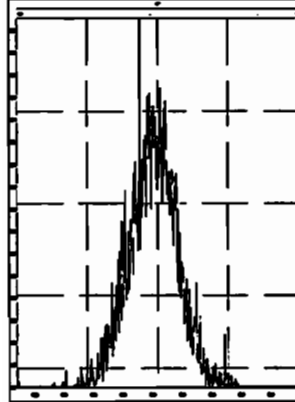
M 354.9792 R 13074



M 366.9792 R 13604



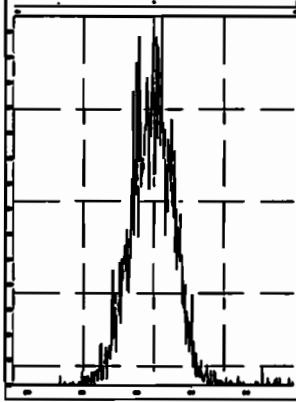
M 380.9760 R 11429



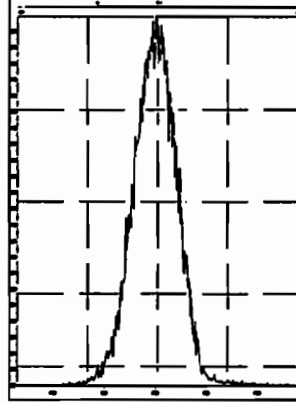
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 3 @ 250.(ppm)

Printed: Tuesday, April 20, 2021 18:11:42 Pacific Daylight Time

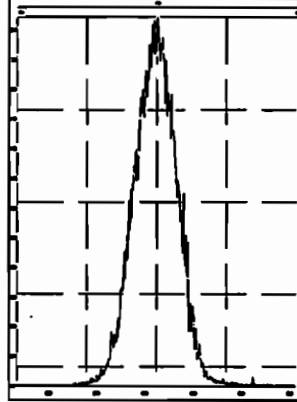
M 204.9888 R 12740



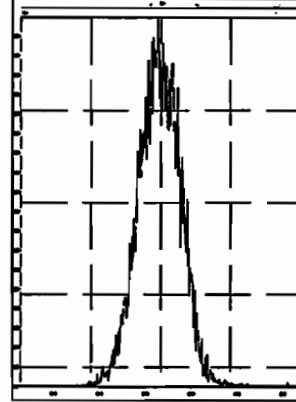
M 218.9856 R 11426



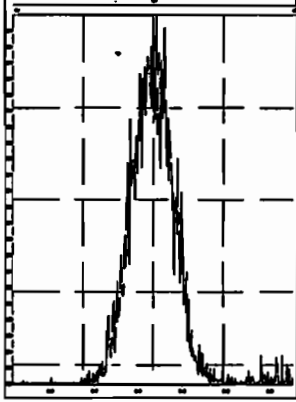
M 230.9856 R 11362



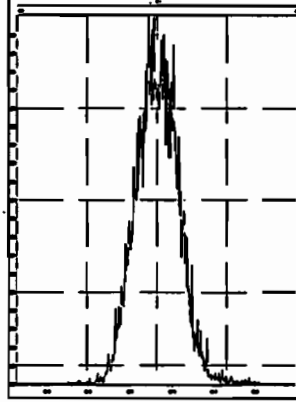
M 242.9856 R 11976



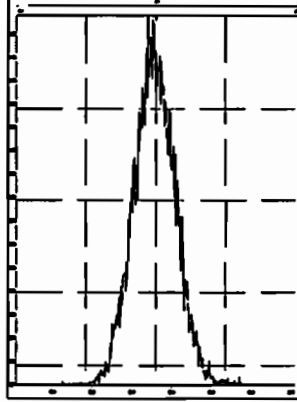
M 254.9856 R 12343



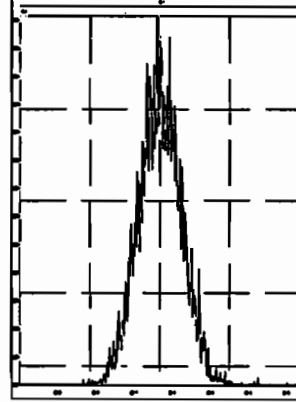
M 268.9824 R 12051



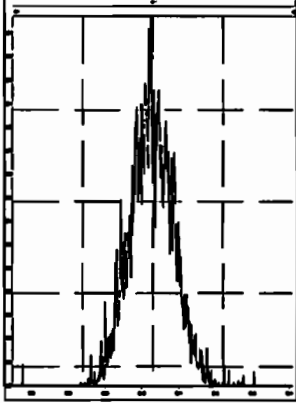
M 280.9824 R 12125



M 292.9824 R 12194



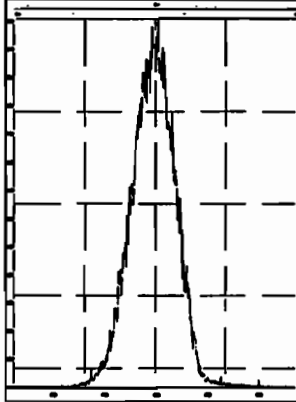
M 304.9824 R 11628



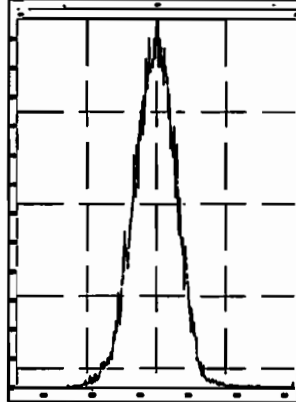
File: Experiment: 1699\_zb50\_10k.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Tuesday, April 20, 2021 18:12:20 Pacific Daylight Time

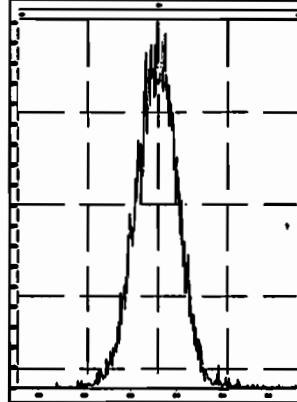
M 218.9856 R 11427



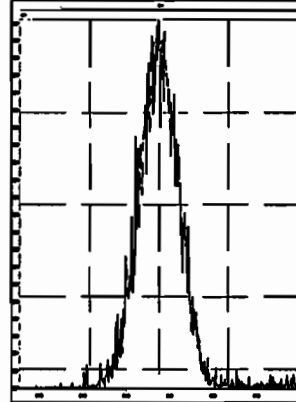
M 230.9856 R 11050



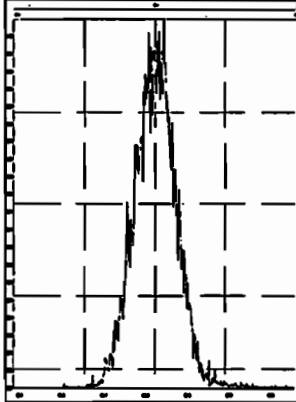
M 242.9856 R 12049



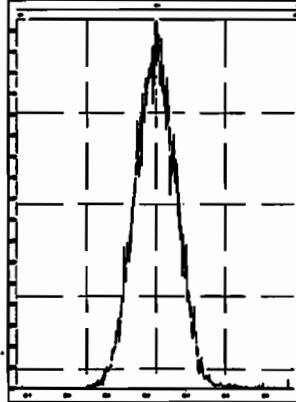
M 254.9856 R 12499



M 268.9824 R 11833



M 280.9824 R 12500



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_8.qld

Last Altered: Wednesday, April 21, 2021 11:17:05 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:22:10 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

DF 04/21/21

H/N 04/21/21

Name: 210420H5\_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5\_1 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	1.06e4	0.64	NO	40.81
2	2 Endrin Ketone	6.29e3	0.52	NO	44.01
3	3 Endrin	9.16e4	1.80	NO	38.69
4	4 4,4'-DDE	5.42e3	0.83	YES	36.77
5	5 4,4'-DDD	3.66e4	1.45	NO	39.15
6	6 4,4'-DDT	1.30e6	1.53	NO	40.22

$$\frac{\sum A + EK}{E} \times 100\% = 18.4\%$$

$$\frac{DDE + DDD}{DDT} \times 100\% = 3.23\%$$



Dataset: Untitled

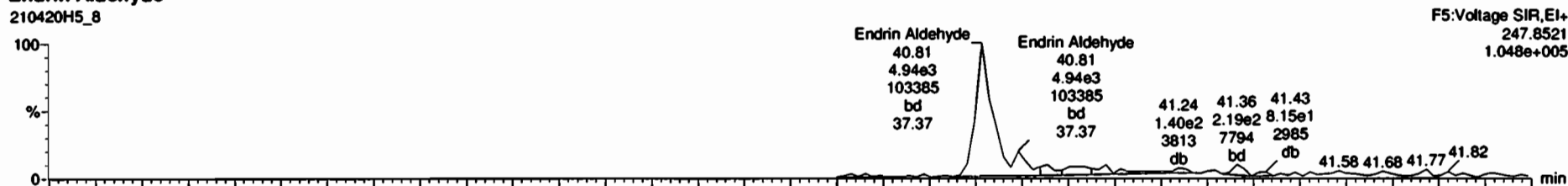
Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

Method: U:\vg10.PRO\MethDB\1699\_GC-break.mdb 13 Apr 2021 10:33:50  
Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

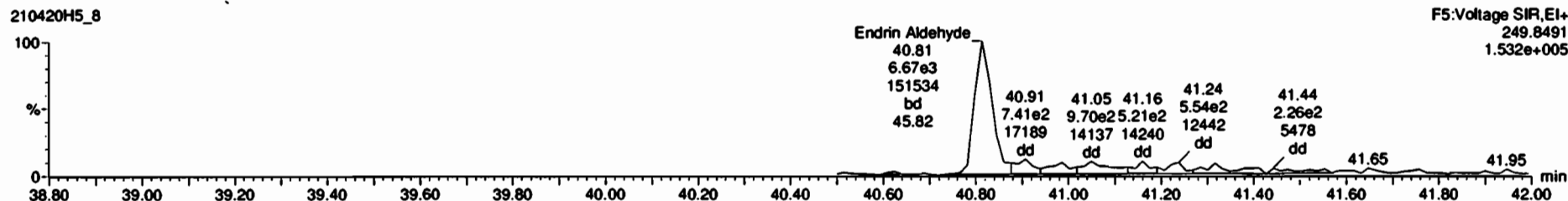
Name: 210420H5\_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5\_1 GC BREAK, Description: GC BREAK

Endrin Aldehyde

210420H5\_8

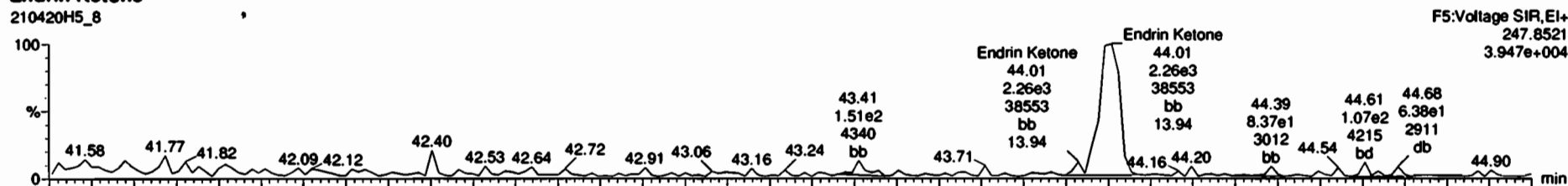


210420H5\_8

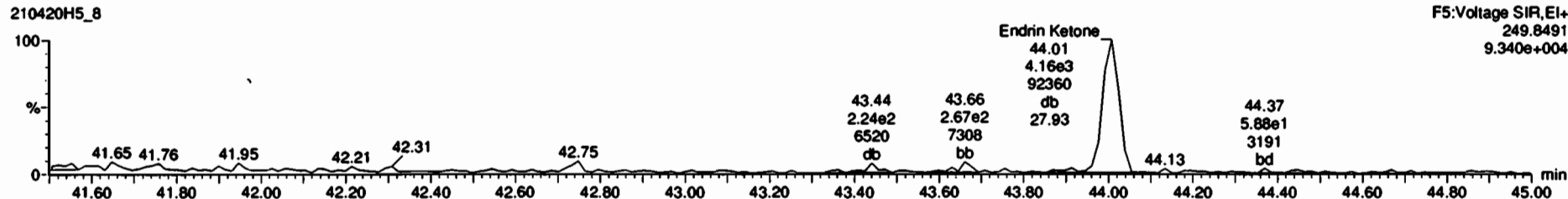


Endrin Ketone

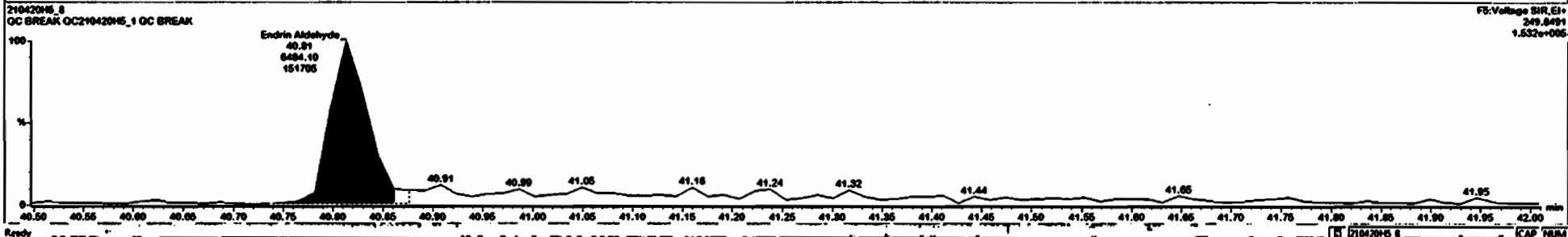
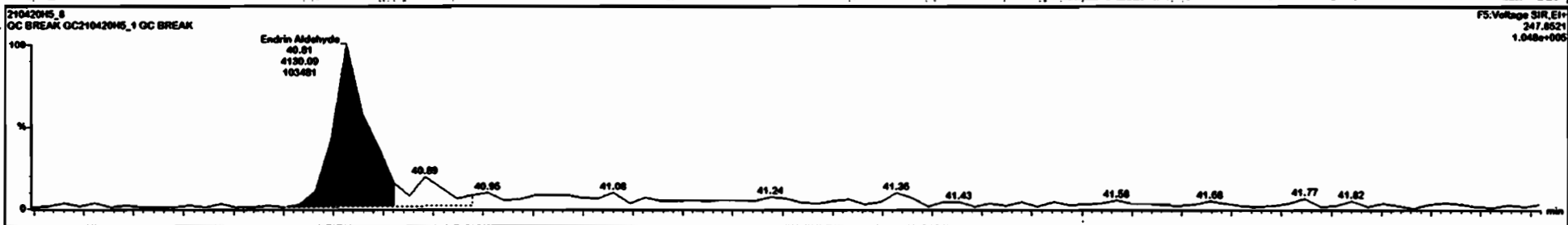
210420H5\_8



210420H5\_8

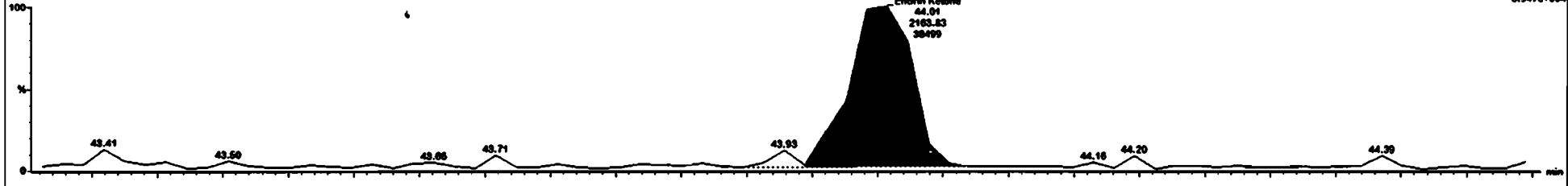


Peak	Name	Resp	RA	Sly	RT	RT	RT	Conc	%Inc	QL	EMC
1	Endrin Aldohyde	1.88e4	0.841	NO	1.000	40.81	0.000				
2	Endrin Aldohyde	6.41e3	0.54	NO	1.000	44.81	0.000				
3	Endrin Aldohyde	9.16e4	1.28	NO	1.000	38.80	0.000				
4	2,4-DDE	8.78e3	0.72	YES	11.000	135.77	0.000				
5	2,4-DDE	3.78e4	1.45	NO	1.000	38.15	0.000				
6	2,4-DDE	1.38e4	1.53	NO	1.000	40.22	0.000				
7	PPV				1.000						
8	PPV				1.000						

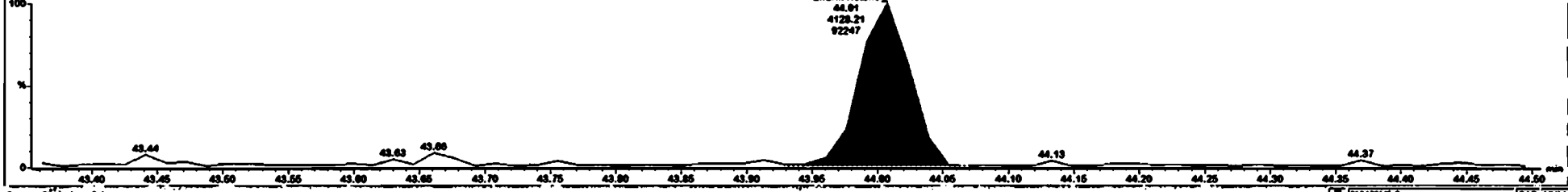


#	Name	Rate	RA	dy	RF	IntVal	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde	1.00e4	0.64	NO		1.000	40.81	0.000				
2	Endrin Ketone	6.26e3	0.62	NO		1.000	44.01	0.000				
3	Endrin	9.10e4	1.00	NO		1.000	36.00	0.000				
4	4,4'-DDE	0.79e3	0.72	YES		1.000	30.77	0.000				
5	4,4'-DDD	3.78e4	1.45	NO		1.000	30.15	0.000				
6	4,4'-DDT	1.30e0	1.53	NO		1.000	40.22	0.000				
7	PKK1					1.000						
8	PKK3					1.000						

210420H5\_8 GC BREAK GC210420H5\_1 GC BREAK FS:Voltage SIR\_EI+ 247.8521 3.947e+004



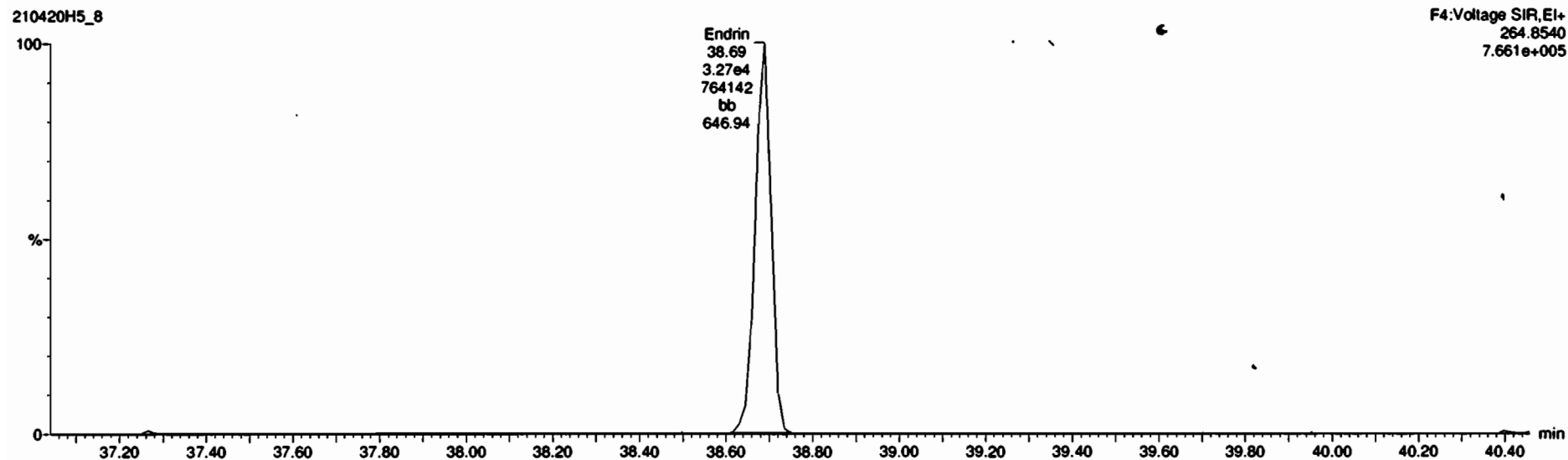
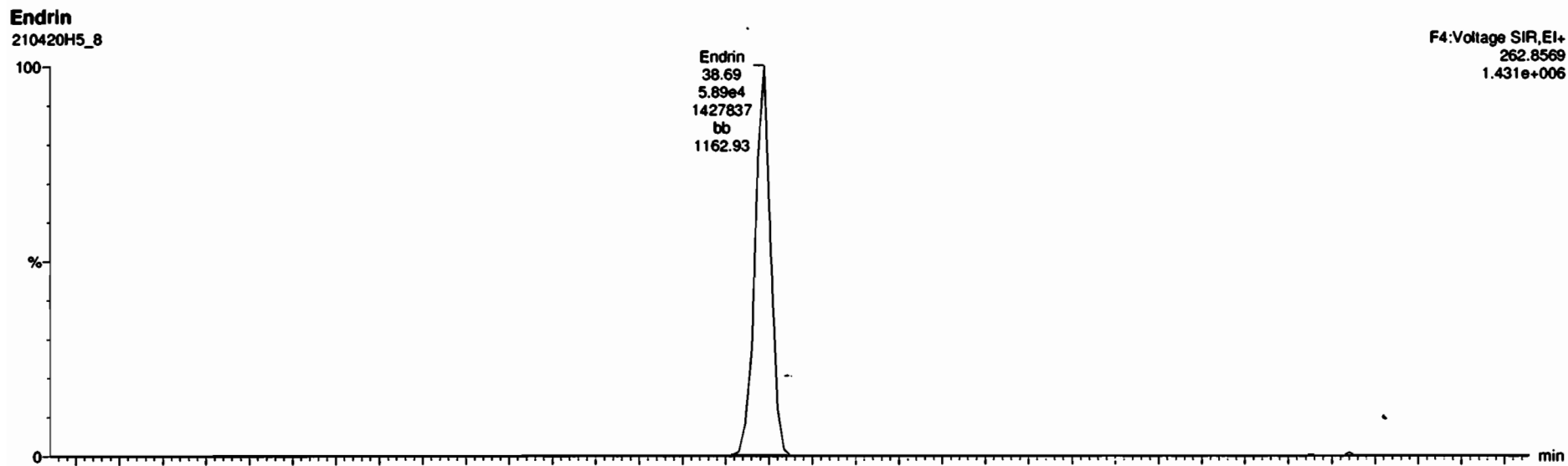
210420H5\_8 GC BREAK GC210420H5\_1 GC BREAK FS:Voltage SIR\_EI+ 249.8491 9.340e+004



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

Name: 210420H5\_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5\_1 GC BREAK, Description: GC BREAK



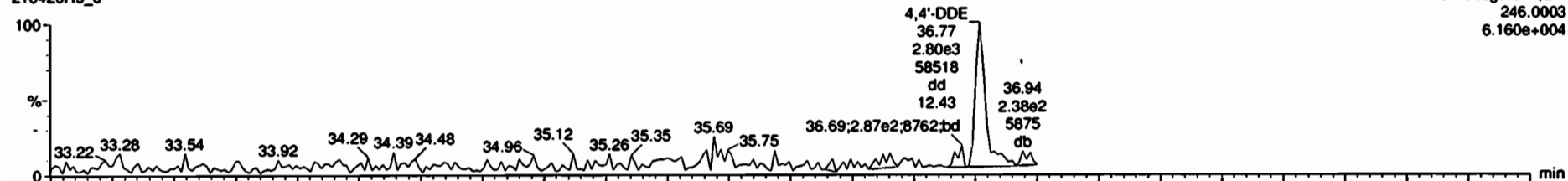
Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

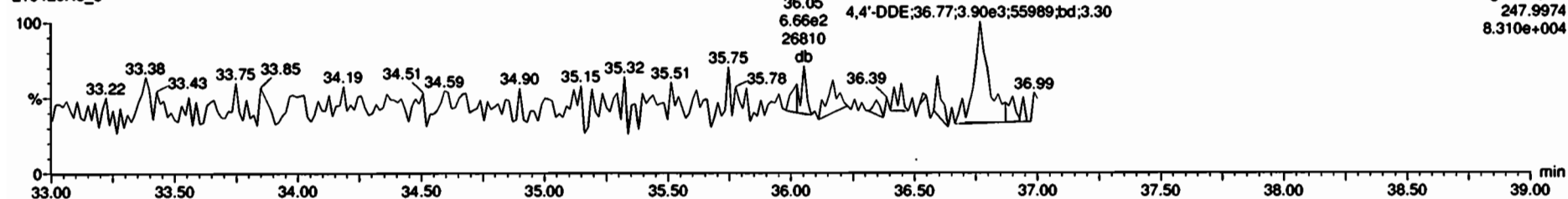
Name: 210420H5\_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5\_1 GC BREAK, Description: GC BREAK

4,4'-DDE

210420H5\_8



210420H5\_8

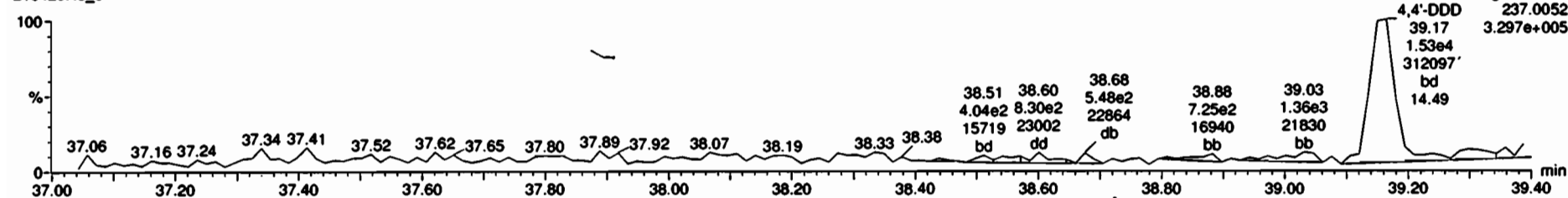


4,4'-DDD

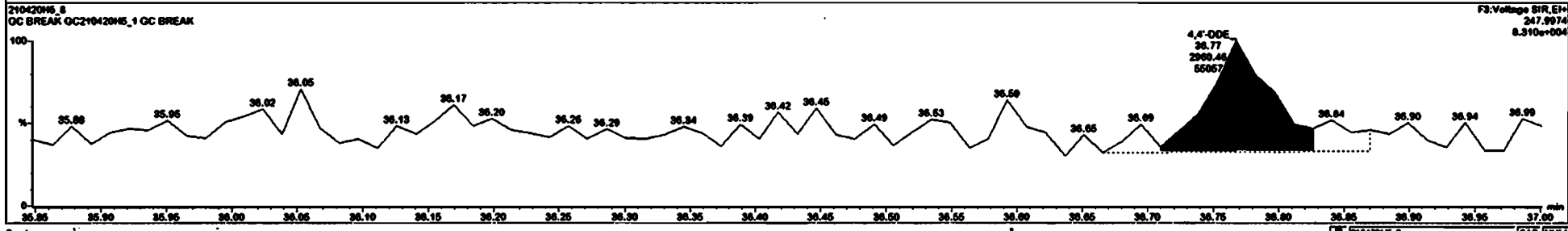
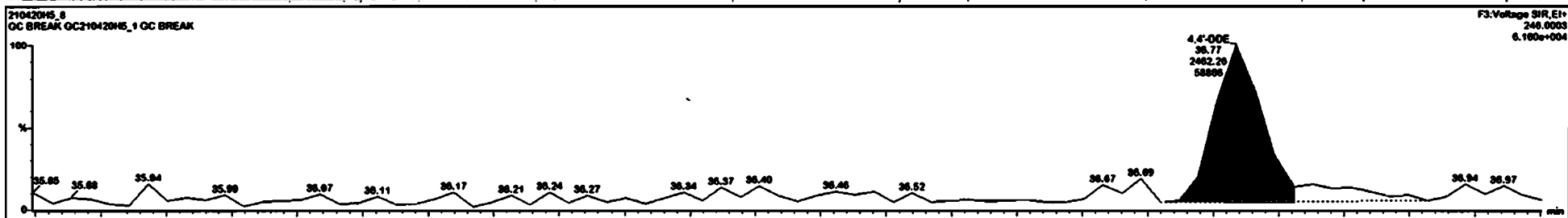
210420H5\_8



210420H5\_8



Name	Resp	RA	dy	RF	WRet	RT	RRT	ClcE	%Rec	DL	EuPC
1 Endrin Aldehyde	1.86e4	0.64	NO		1.000	46.81	0.000				
2 Endrin Ketone	6.29e3	0.52	NO		1.000	44.91	0.000				
3 Endrin	9.16e4	1.00	NO		1.000	38.00	0.000				
4 4,4'-DDE	1.42e3	0.63	YES		1.000	36.77	0.000				
5 4,4'-DDD	3.78e4	1.45	NO		1.000	39.15	0.000				
6 4,4'-DDT	1.39e5	1.53	NO		1.000	46.22	0.000				
7 PPK4					1.000						
8 PPK5					1.000						

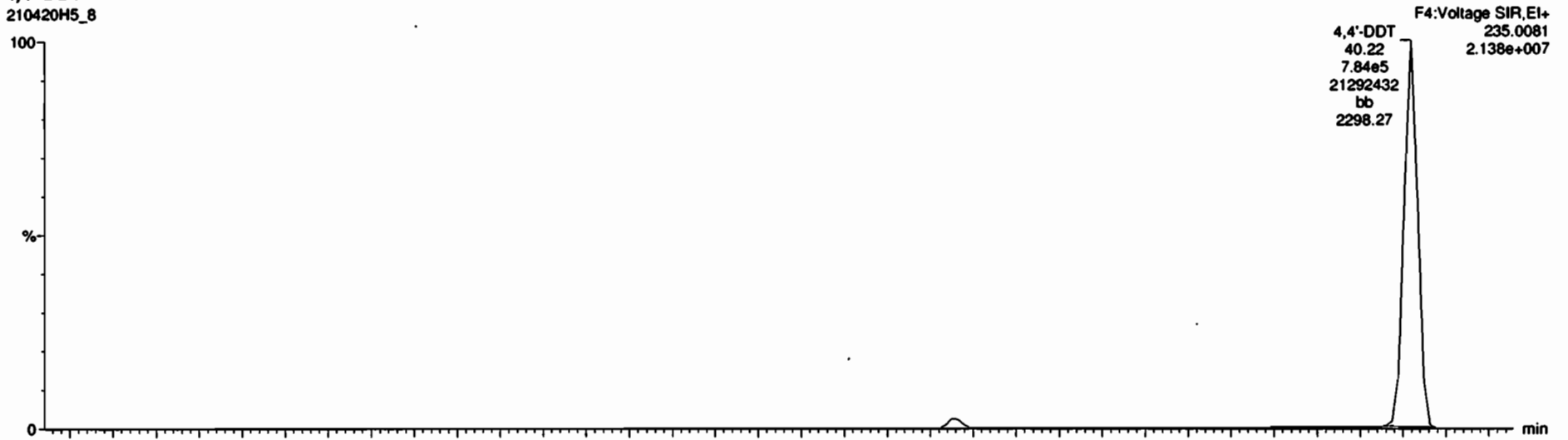


Dataset: Untitled

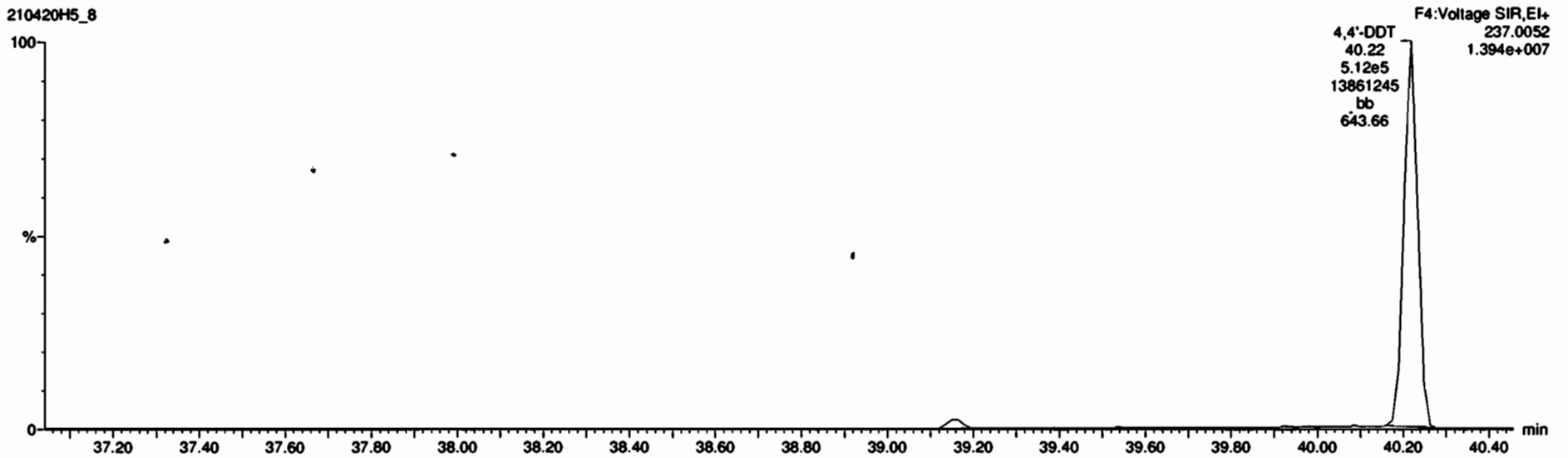
Last Altered: Wednesday, April 21, 2021 11:13:34 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:14:19 Pacific Daylight Time

Name: 210420H5\_8, Date: 20-Apr-2021, Time: 23:52:13, ID: GC210420H5\_1 GC BREAK, Description: GC BREAK

4,4'-DDT  
210420H5\_8

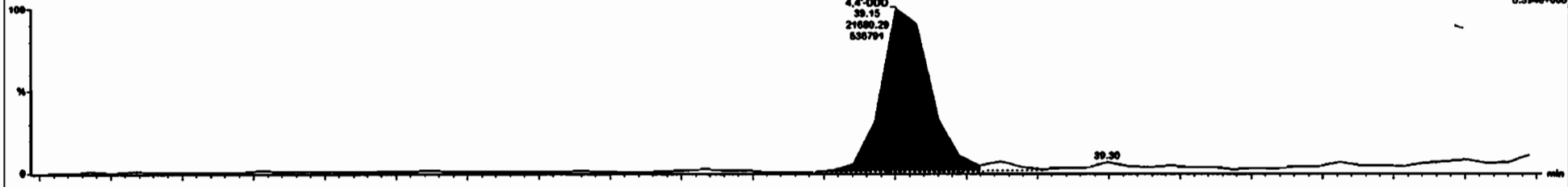


210420H5\_8

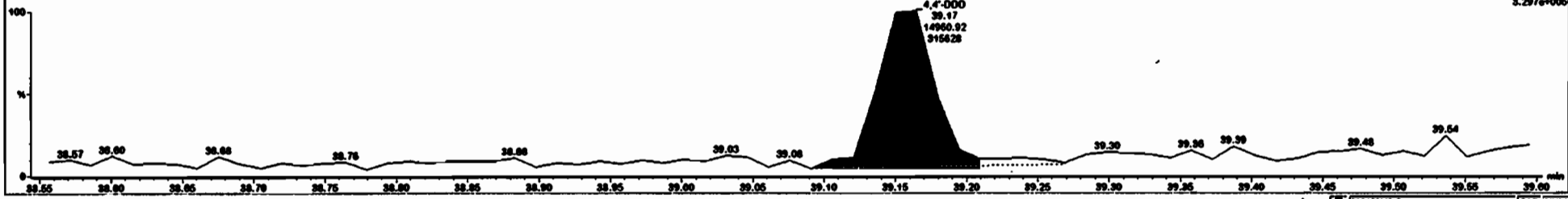


Peak	Name	Area	RA	RV	RVP	IntVal	RT	RRT	Conc	%RSD	DL	EMPC
1	Endrin Aldehyde	1.06e4	0.64	NO		1.000	40.81	0.000				
2	Endrin Ketone	6.29e3	0.52	NO		1.000	44.01	0.000				
3	Endrin	9.16e4	1.80	NO		1.000	38.09	0.000				
4	4,4'-DDE	5.42e3	0.83	YES		1.000	38.77	0.000				
5	4,4'-DDD	1.88e4	1.45	NO		1.000	39.15	0.000				
6	4,4'-DDT	1.36e5	1.53	NO		1.000	40.22	0.000				
7	PPKS					1.000						
8	PPKS					1.000						

210420H5\_8 GC BREAK GC210420H5\_1 GC BREAK F4:Voltage SIR\_EI+ 235.0061 5.394e+005



210420H5\_8 GC BREAK GC210420H5\_1 GC BREAK F4:Voltage SIR\_EI+ 237.0052 3.297e+005





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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

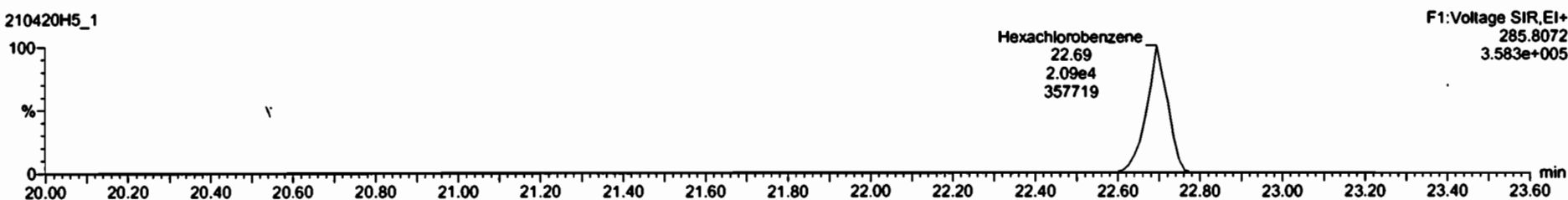
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Name: 210420H5\_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5\_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901

Hexachlorobenzene  
210420H5\_1



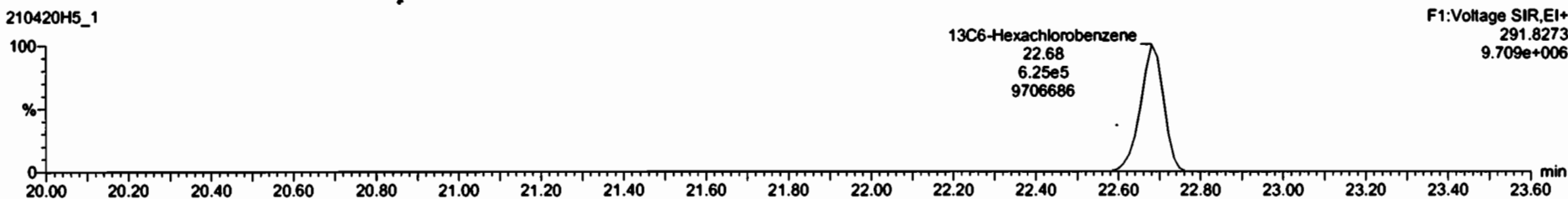
210420H5\_1



13C6-Hexachlorobenzene  
210420H5\_1



210420H5\_1

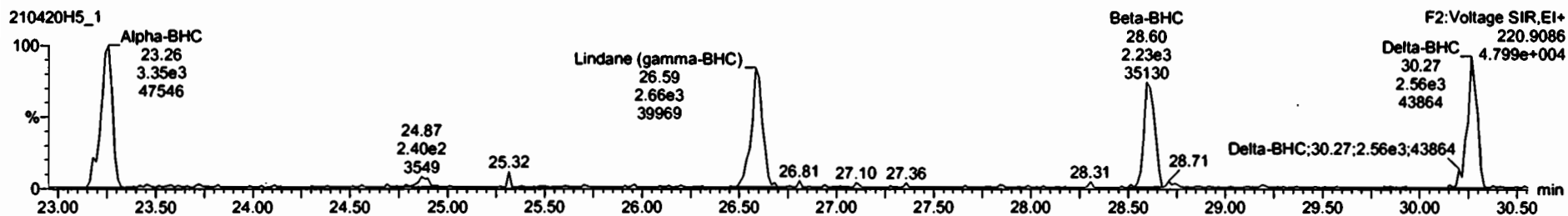
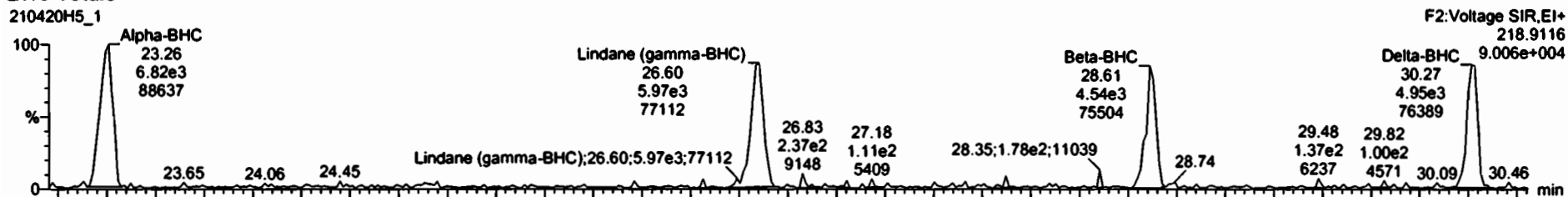


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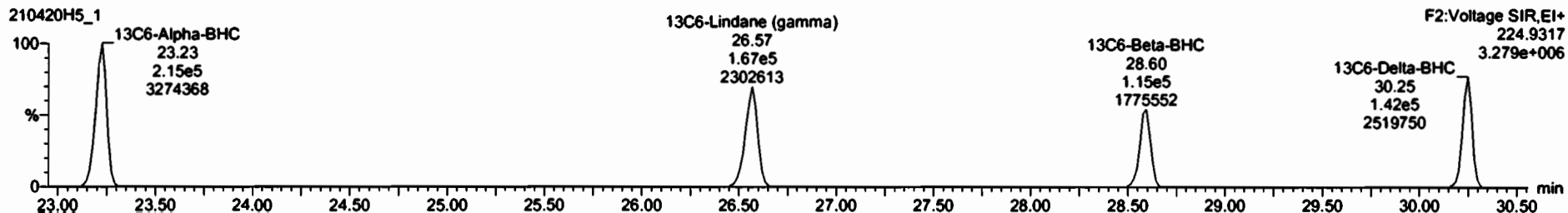
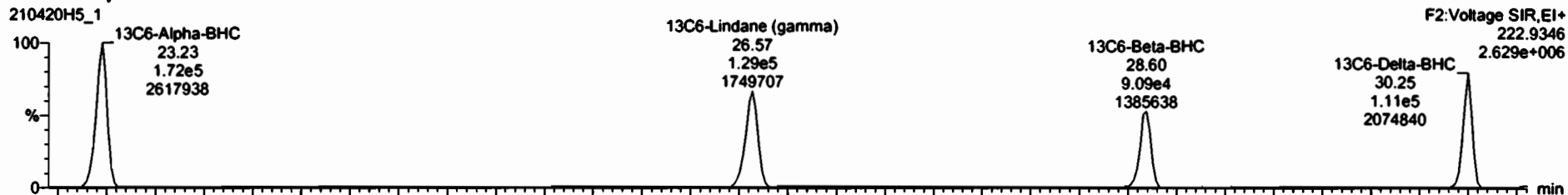
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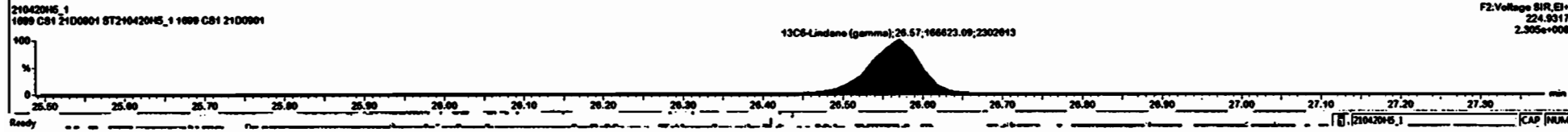
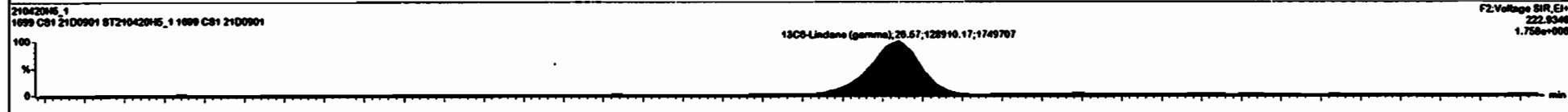
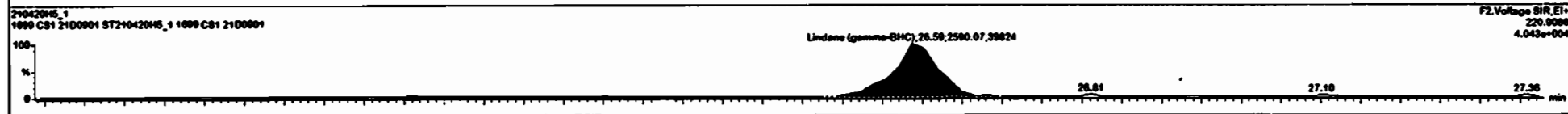
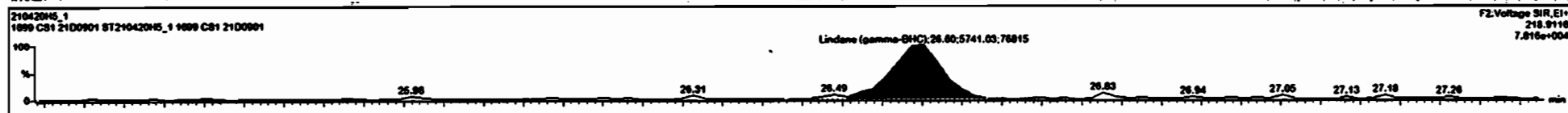
**BHC Totals**



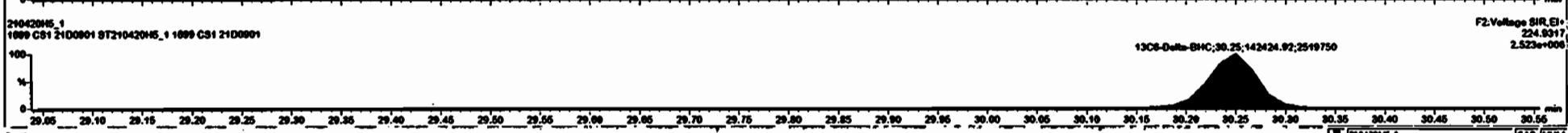
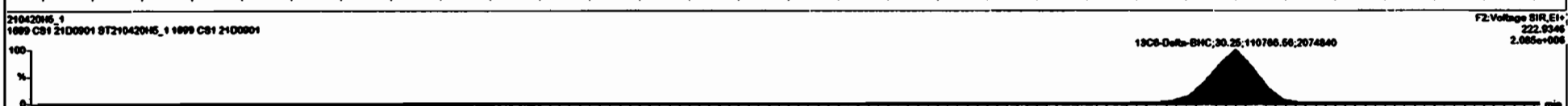
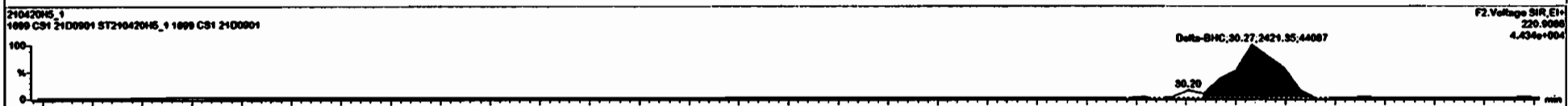
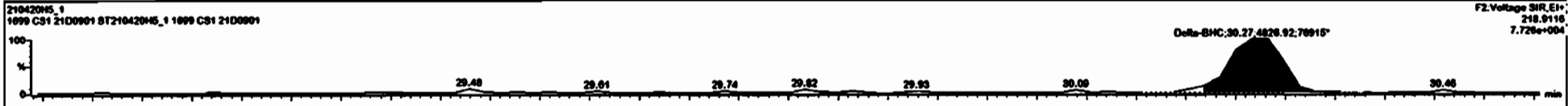
**BHC-isotopes**



#	Name	Resp	SURFA	RA	dy	RFP	valvol	RT	Pred RT	RRT	Pred RRT	Check RRT	Calc	%Rec	DL	EMPC
1	Mesochlorobutadiene	7.42e3	3.54e6	0.17	YES	0.02	1.0000	9.97	9.99	1.000	1.002	NO	44.80	449	0.0613	11.8
2	Mesochlorobenzene	4.75e4	1.42e6	1.27	NO	0.08	1.0000	22.89	22.89	1.001	1.000	NO	1.702	85.1	0.00131	1.70
3	Alpha-BHC	1.62e4	3.87e5	2.84	NO	0.02	1.0000	23.28	23.26	1.001	1.001	NO	1.600	89.5	0.0440	1.61
4	Lindane (gamma-BHC)	8.33e3	2.88e5	2.22	NO	0.05	1.0000	26.60	26.59	1.001	1.000	NO	1.684	83.2	0.0225	1.68
5	Beta-BHC	6.77e3	2.86e5	2.84	NO	0.08	1.0000	26.81	26.82	1.001	1.001	NO	1.675	83.8	0.0609	1.68
6	Delta-BHC	7.25e3	2.53e5	1.99	NO	0.91	1.0000	30.27	30.29	1.001	1.001	NO	1.570	78.8	0.0493	1.58
7	Heptachlor	6.74e3	1.73e5	1.23	NO	1.10	1.0000	38.72	38.74	1.001	1.001	NO	1.779	88.5	0.0124	1.77
8	4,4'-DDE	1.29e4	2.53e5	3.10	NO	1.33	1.0000	38.17	38.18	0.997	0.998	NO	1.789	88.5	0.0382	1.77
9	Alrin	9.35e3	2.62e5	1.48	NO	1.12	1.0000	38.83	38.82	1.001	1.001	NO	1.802	89.1	0.00902	1.80
10	Chrychlorane	2.79e3	7.34e4	1.95	NO	1.11	1.0000	33.28	33.30	1.001	1.001	NO	1.718	85.9	0.0290	1.72
11	cis-Heptachlor Epoxide	3.58e3	9.58e4	1.59	NO	1.13	1.0000	34.18	34.18	1.000	1.001	NO	1.622	81.1	0.0187	1.62
12	trans-Heptachlor Epoxide	9.12e2	9.58e4	1.55	NO	0.27	1.0000	34.85	34.89	1.015	1.016	NO	1.749	87.4	0.0774	1.75
13	trans-Chlordane (gamma)	2.89e3	6.58e4	1.45	NO	1.19	1.0000	35.68	35.67	1.001	1.001	NO	1.799	89.5	0.0285	1.79
14	trans-Hexachlor	2.87e3	7.89e4	1.33	NO	1.00	1.0000	35.25	35.22	1.001	1.000	NO	1.858	82.8	0.0250	1.88
15	cis-Chlordane	2.72e3	7.89e4	1.37	NO	1.28	1.0000	35.73	35.77	1.015	1.016	NO	1.529	78.4	0.0227	1.53
16	Endosulfan I (alpha)	1.24e4	4.49e4	1.56	NO	1.21	1.0000	35.85	35.85	1.001	1.001	NO	11.38	114	0.0375	11.4
17	4,4'-DDE	3.43e4	1.70e6	3.28	NO	1.0000	35.47	35.47	0.994	0.994	NO	2.462	12.3	0.0154	2.48	
18	2,4'-DDE	6.06e4	1.70e6	1.52	NO	1.01	1.0000	35.78	35.60	1.000	1.000	NO	1.759	87.9	0.0300	1.78
19	4,4'-DDE	4.89e4	1.24e6	1.37	NO	1.03	1.0000	38.77	38.76	1.000	1.000	NO	1.620	91.0	0.0491	1.62
20	Alrin	6.33e3	1.62e5	1.88	NO	1.05	1.0000	37.28	37.30	1.000	1.001	NO	1.850	82.5	0.0351	1.85



#	Peak #	Name	Resp	ISAREA	RA	Inty	RFI	Wave	RT	Pred RT	RT	Pred RT	Check RT	Conc.	%Acc	DL	ENPC
1	1	Hexachlorobenzene	7.42e3	3.54e5	0.17	YES	0.02	1.0000	9.97	9.99	1.000	1.002	ND	44.89	449	0.0013	11.8
2	2	Hexachlorobenzene	4.75e4	1.42e6	1.27	NO	0.98	1.0000	22.69	22.68	1.001	1.000	ND	1.702	85.1	0.00131	1.70
3	3	Alpha-BHC	1.62e4	3.67e5	2.04	NO	0.62	1.0000	23.26	23.26	1.001	1.001	ND	1.609	80.5	0.0440	1.61
4	4	Lindane (gamma-BHC)	6.33e3	2.89e5	2.22	NO	0.25	1.0000	26.60	26.58	1.001	1.000	ND	1.684	83.2	0.0625	1.68
5	5	Beta-BHC	6.77e3	2.89e5	2.04	NO	0.98	1.0000	26.61	26.62	1.001	1.001	ND	1.675	83.0	0.0629	1.68
6	6	Delta-BHC	7.95e3	2.53e5	1.89	NO	0.91	1.0000	30.27	30.28	1.001	1.001	ND	1.576	78.8	0.0493	1.58
7	7	Heptachlor	6.74e3	1.73e5	1.23	NO	1.19	1.0000	30.72	30.74	1.001	1.001	ND	1.770	88.5	0.0124	1.77
8	8	4,4'-DDMU	1.29e4	2.53e5	3.19	NO	1.33	1.0000	30.17	30.19	0.997	0.998	ND	1.789	88.5	0.0382	1.77
9	9	Asprn	9.55e3	2.62e5	1.48	NO	1.12	1.0000	30.63	30.62	1.001	1.001	ND	1.602	88.1	0.00902	1.60
10	10	Oryzthardane	2.79e3	7.34e4	1.85	NO	1.11	1.0000	33.38	33.38	1.001	1.001	ND	1.716	85.9	0.0289	1.72
11	11	cis-Heptachlor Epoxide	3.58e3	9.58e4	1.59	NO	1.13	1.0000	34.18	34.18	1.000	1.001	ND	1.622	81.1	0.0187	1.62
12	12	trans-Heptachlor Epoxide	9.12e2	9.58e4	1.55	NO	0.27	1.0000	34.65	34.69	1.015	1.016	ND	1.749	87.4	0.0774	1.75
13	13	trans-Chlordane (gamma)	2.88e3	6.58e4	1.45	NO	1.19	1.0000	35.08	35.07	1.001	1.001	ND	1.790	88.5	0.0285	1.79
14	14	trans-Monochlor	2.67e3	7.48e4	1.33	NO	1.09	1.0000	35.25	35.22	1.001	1.000	ND	1.658	82.8	0.0250	1.66
15	15	cis-Chlordane	2.72e3	7.48e4	1.37	NO	1.29	1.0000	35.73	35.77	1.015	1.016	ND	1.529	78.4	0.0227	1.53
16	16	Endosulfan I (alpha)	1.24e4	4.49e4	1.56	NO	1.21	1.0000	36.85	36.85	1.001	1.001	ND	11.38	114	0.0375	11.4
17	17	4,4'-DDMU	3.43e4	1.70e5	3.28	NO		1.0000	35.47	35.47	0.994	0.994	ND	2.482	12.3	0.0154	2.46
18	18	2,4'-DDE	6.88e4	1.70e5	1.52	NO	1.01	1.0000	35.70	35.69	1.000	1.000	ND	1.759	87.9	0.0309	1.76
19	19	4,4'-DDE	4.88e4	1.24e5	1.37	NO	1.03	1.0000	36.77	36.78	1.000	1.000	ND	1.620	91.0	0.0491	1.62
20	20	Dieldrin	6.33e3	1.62e5	1.88	NO	1.05	1.0000	37.28	37.30	1.000	1.001	ND	1.858	92.5	0.0351	1.85



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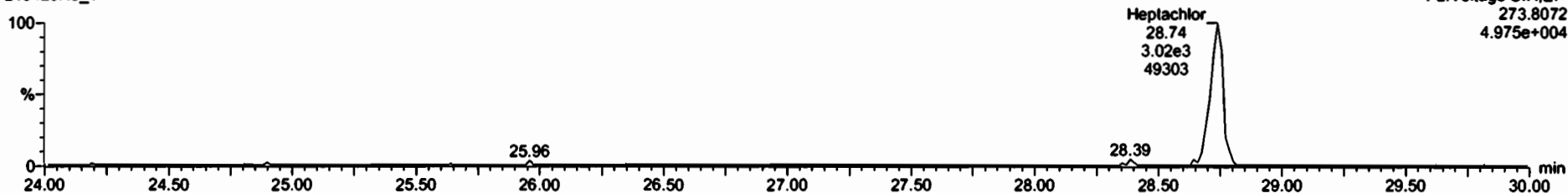
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**Heptachlor**

210420H5\_1



210420H5\_1

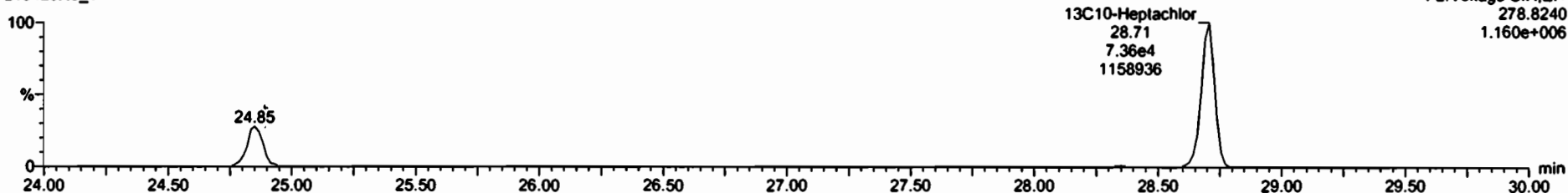


**13C10-Heptachlor**

210420H5\_1



210420H5\_1



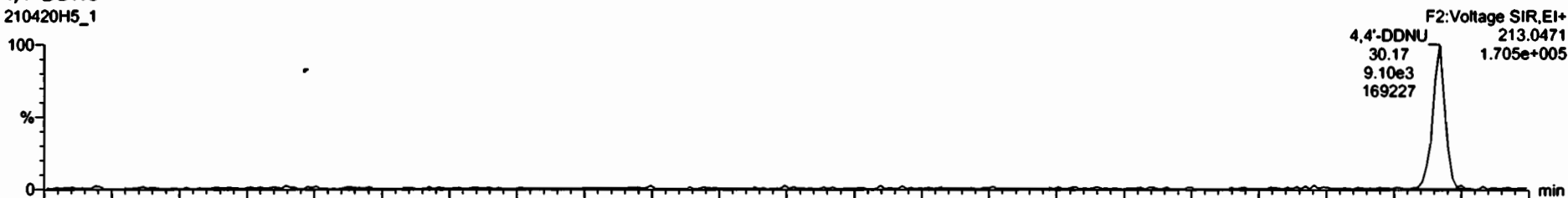
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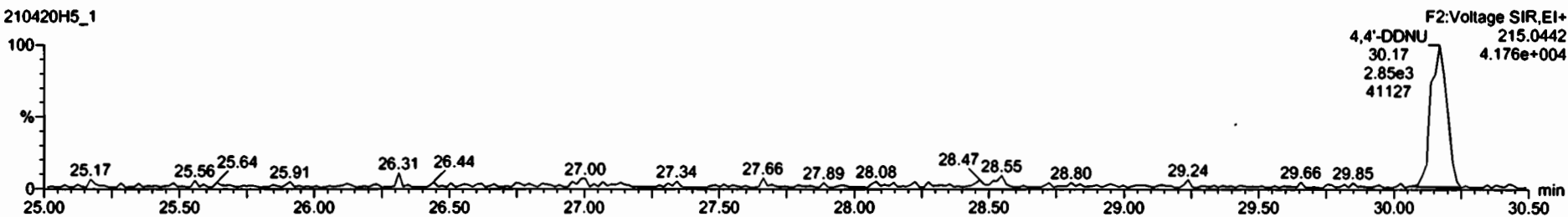
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4,4'-DDNU

210420H5\_1



210420H5\_1

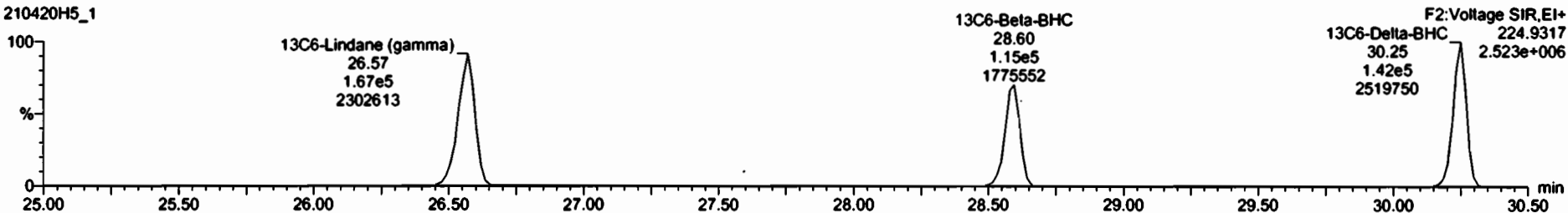


13C6-Delta-BHC

210420H5\_1



210420H5\_1

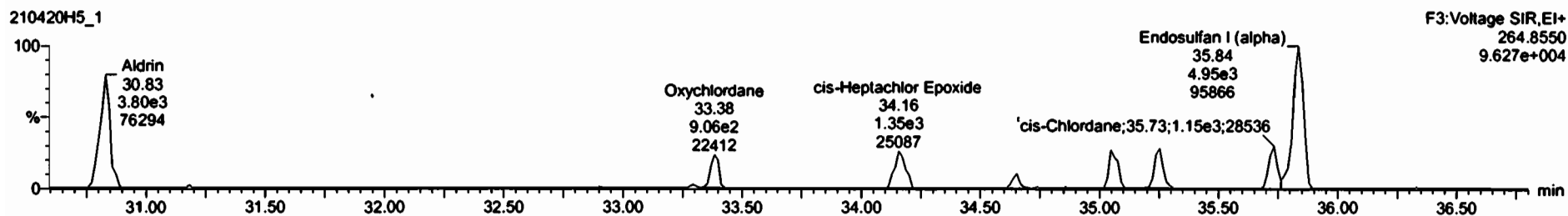
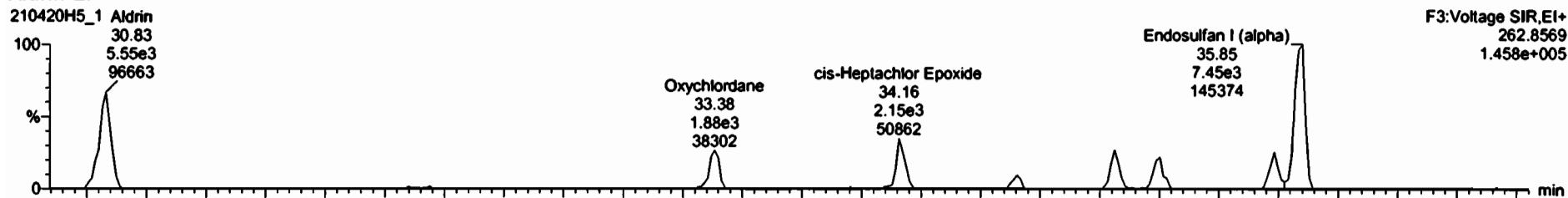


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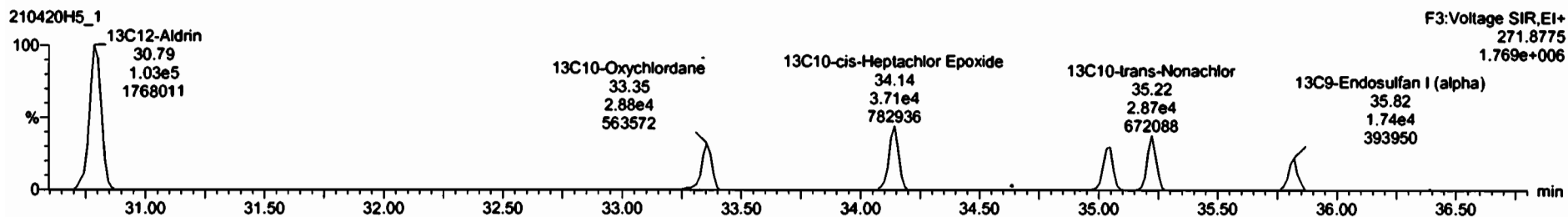
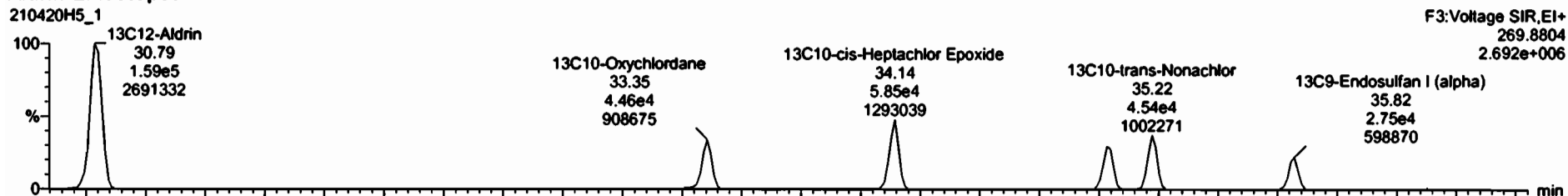
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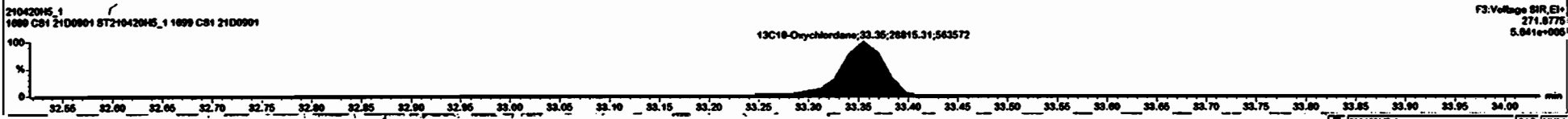
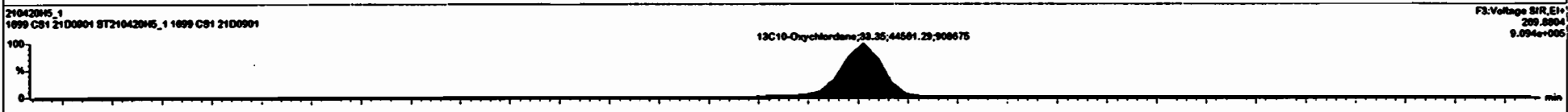
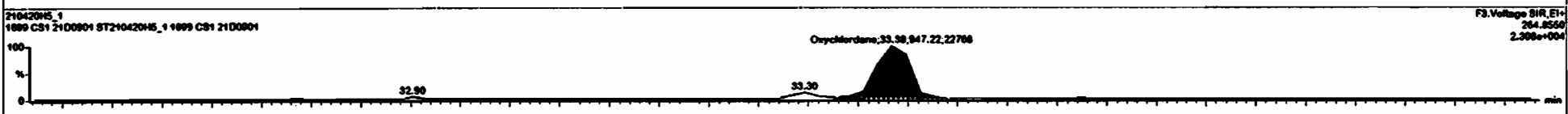
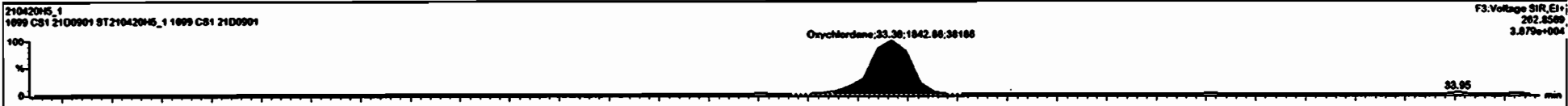
**Aldrin-EI**



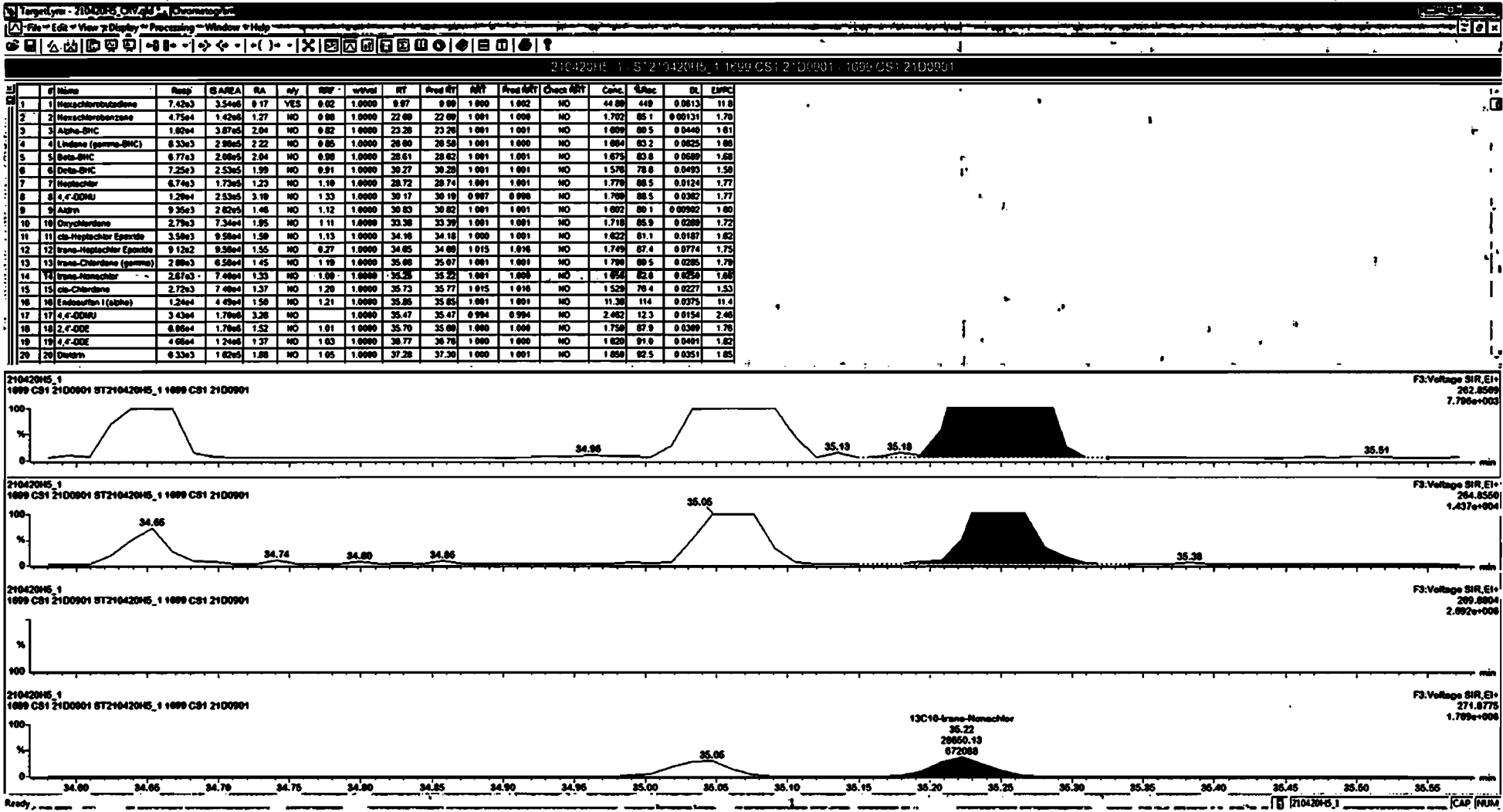
**Aldrin-EI-isotopes**



#	Name	Resp	AREA	SA	int	RF	whwt	RT	Pred RT	RRT	Pred RRT	Check RRT	Conc	%Ac	DL	EMPC
1	Hexachlorobutadiene	7.42e3	3.54e6	0.17	YES	0.02	1.0000	9.97	9.99	1.000	1.002	NO	44.80	449	0.0013	11.8
2	Hexachlorobenzene	4.75e4	1.42e6	1.27	NO	0.00	1.0000	22.60	22.60	1.001	1.000	NO	1.702	85.1	0.00131	1.70
3	Alpha-BHC	1.62e4	3.67e5	2.04	NO	0.02	1.0000	23.28	23.28	1.001	1.001	NO	1.600	89.5	0.0440	1.61
4	Lindane (gamma-BHC)	8.33e3	2.90e5	2.22	NO	0.05	1.0000	26.60	26.58	1.001	1.000	NO	1.694	83.2	0.0625	1.68
5	Beta-BHC	6.77e3	2.06e5	2.04	NO	0.00	1.0000	26.61	26.62	1.001	1.001	NO	1.675	83.8	0.0609	1.68
6	Delta-BHC	7.25e3	2.53e5	1.99	NO	0.01	1.0000	26.27	26.28	1.001	1.001	NO	1.576	79.8	0.0493	1.58
7	Heptachlor	6.74e3	1.73e5	1.23	NO	1.10	1.0000	26.72	26.74	1.001	1.001	NO	1.770	88.5	0.0121	1.77
8	4,4'-DDMU	1.20e4	2.53e5	3.10	NO	1.33	1.0000	30.17	30.19	0.997	0.998	NO	1.760	88.5	0.0382	1.77
9	Alprn	9.35e3	2.62e5	1.48	NO	1.12	1.0000	30.83	30.82	1.001	1.001	NO	1.602	80.1	0.00902	1.60
10	Orychardane	2.78e3	7.34e4	1.95	NO	1.11	1.0000	33.30	33.30	1.001	1.001	NO	1.718	85.9	0.0280	1.72
11	cis-Heptachlor Epoxide	3.50e3	9.56e4	1.50	NO	1.13	1.0000	34.16	34.18	1.000	1.001	NO	1.622	81.1	0.0187	1.62
12	trans-Heptachlor Epoxide	9.12e2	9.96e4	1.55	NO	0.27	1.0000	34.85	34.89	1.015	1.016	NO	1.749	87.4	0.0774	1.75
13	trans-Chlordane (gamma)	2.88e3	6.58e4	1.45	NO	1.19	1.0000	35.08	35.07	1.001	1.001	NO	1.700	89.5	0.0285	1.70
14	trans-Manachlor	2.67e3	7.46e4	1.33	NO	1.00	1.0000	35.25	35.22	1.001	1.000	NO	1.650	82.8	0.0250	1.66
15	cis-Chlordane	2.72e3	7.46e4	1.37	NO	1.20	1.0000	35.73	35.77	1.015	1.016	NO	1.529	76.4	0.0227	1.53
16	Endosulfan I (alpha)	1.24e4	4.49e4	1.50	NO	1.21	1.0000	35.85	35.85	1.001	1.001	NO	1.130	114	0.0375	11.4
17	4,4'-DDMU	3.43e4	1.70e6	3.20	NO	1.0000	1.0000	35.47	35.47	0.994	0.994	NO	2.482	12.3	0.0154	2.46
18	2,4'-DDE	6.06e4	1.70e6	1.52	NO	1.01	1.0000	35.70	35.69	1.000	1.000	NO	1.750	87.9	0.0300	1.76
19	4,4'-DDE	4.06e4	1.24e6	1.37	NO	1.03	1.0000	36.77	36.76	1.000	1.000	NO	1.620	91.0	0.0491	1.62
20	Deltam	6.33e3	1.62e5	1.80	NO	1.05	1.0000	37.28	37.30	1.000	1.001	NO	1.650	82.5	0.0351	1.65







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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

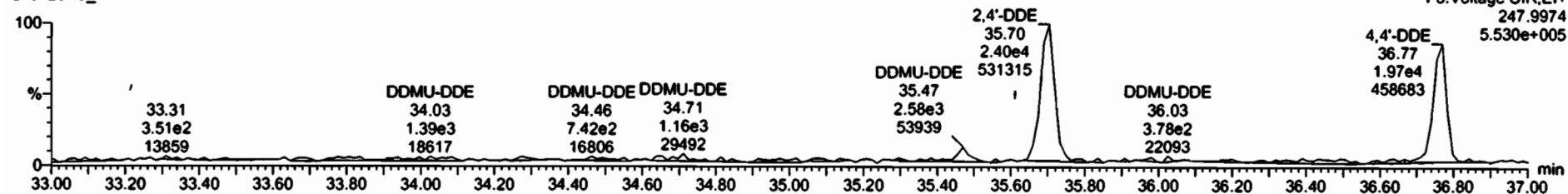
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**DDMU-DDE**

210420H5\_1



210420H5\_1

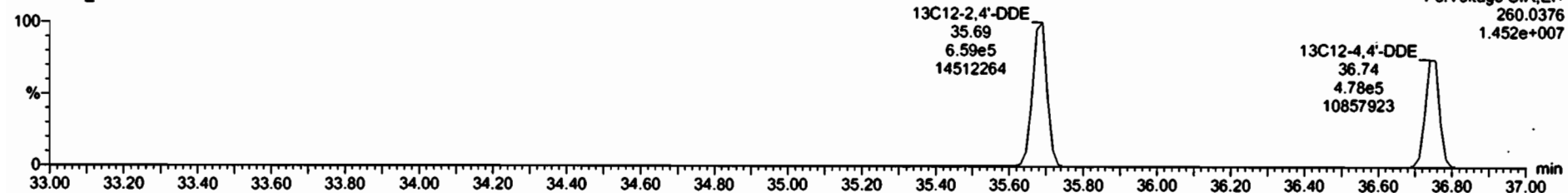


**DDE-isotopes**

210420H5\_1



210420H5\_1



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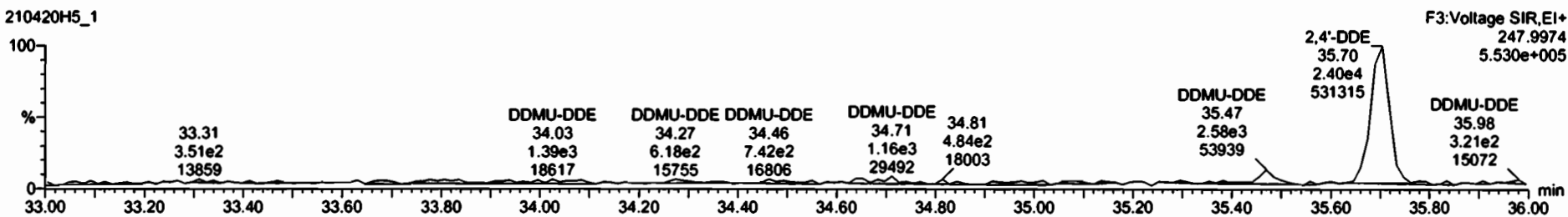
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2,4'-DDE

210420H5\_1



210420H5\_1

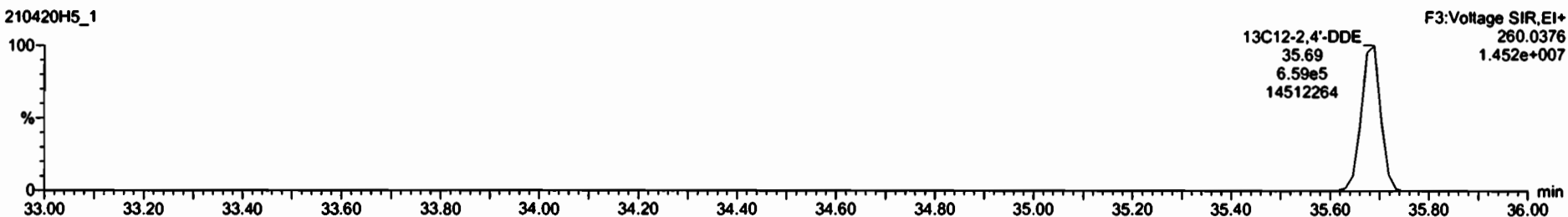


13C12-2,4'-DDE

210420H5\_1



210420H5\_1



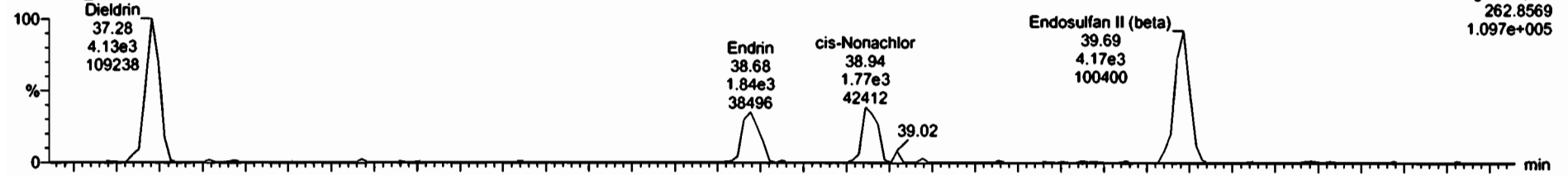
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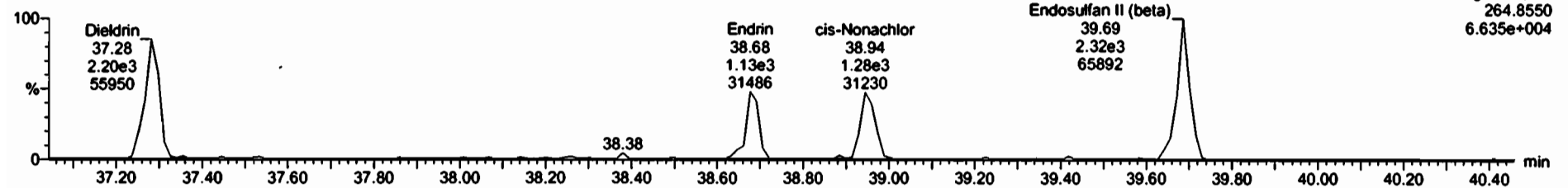
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Dieldrin-EII

210420H5\_1

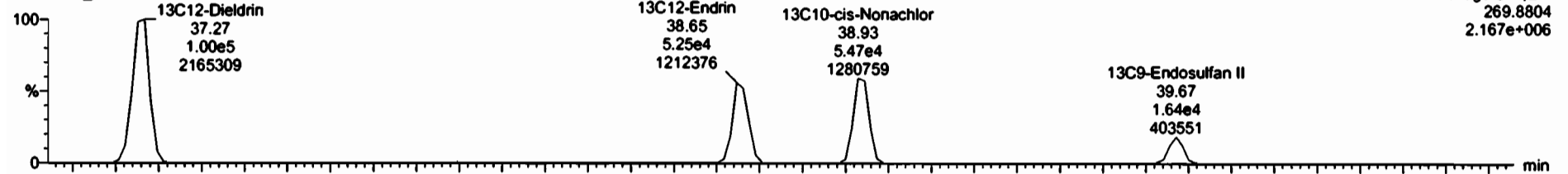


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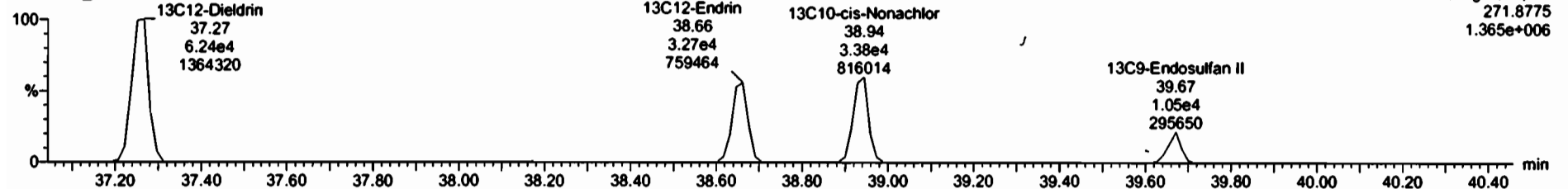


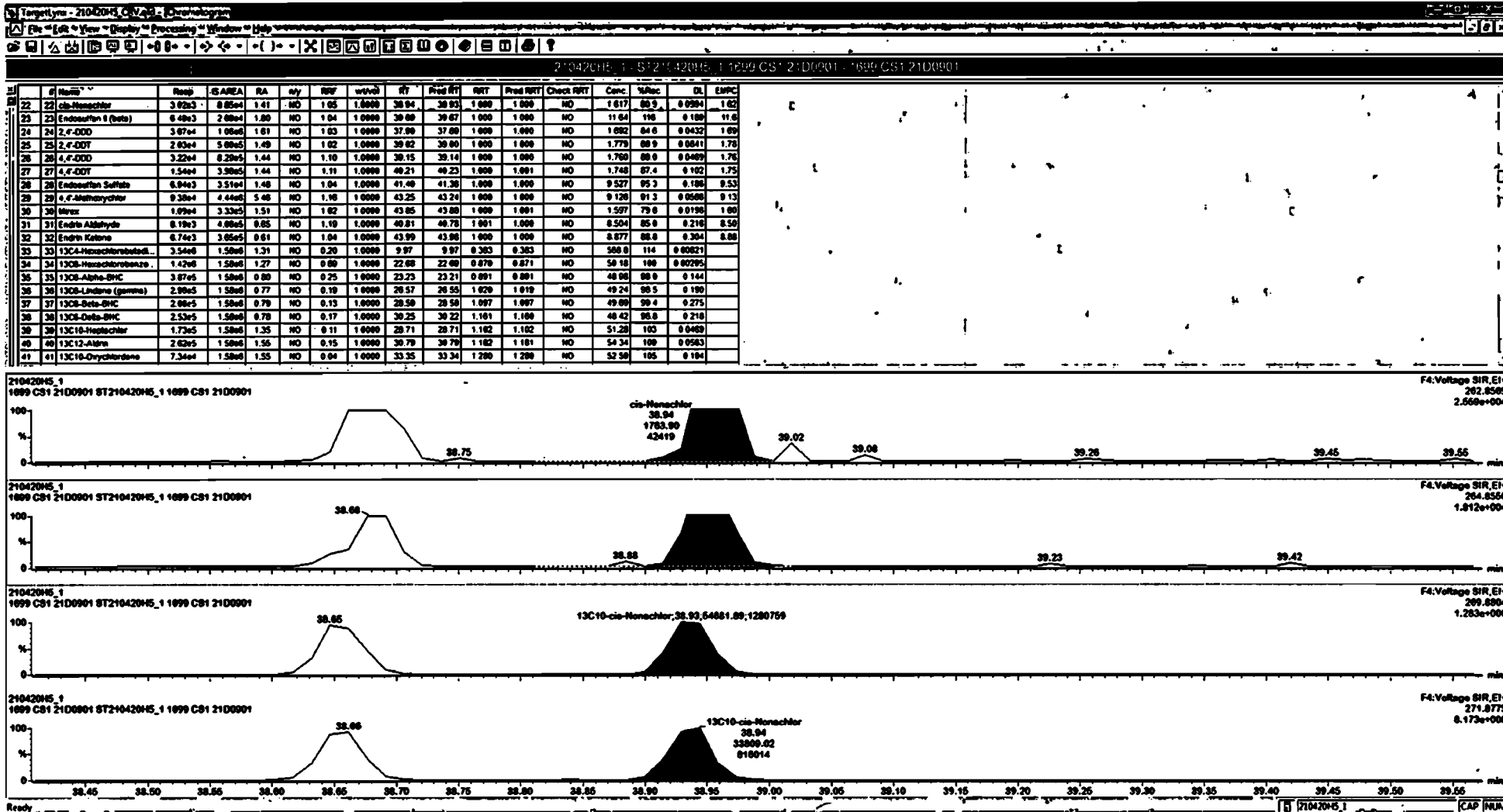
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210420H5\_1



210420H5\_1





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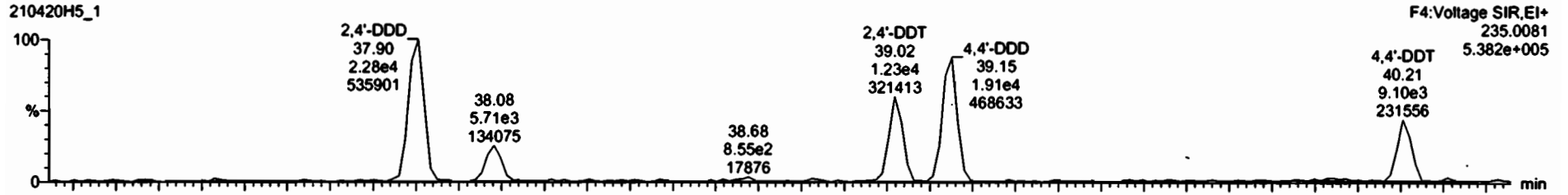
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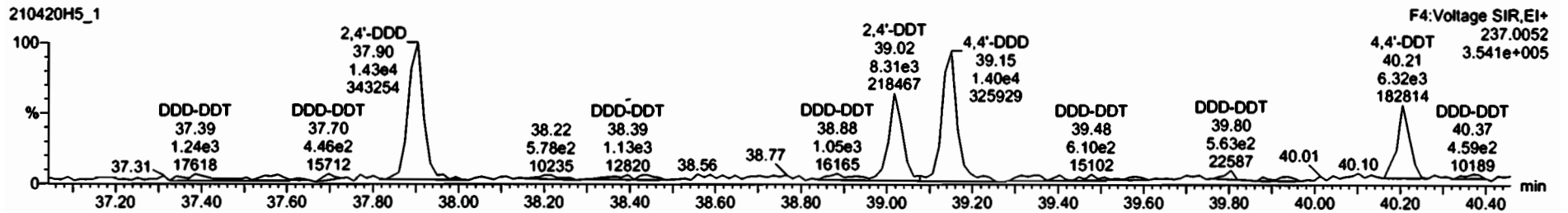
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DDD-DDT

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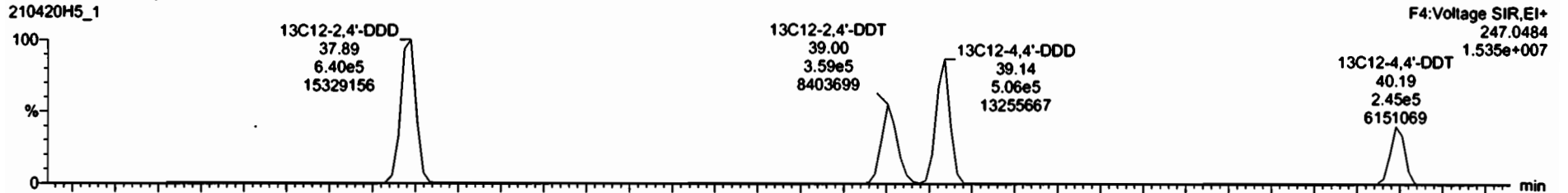


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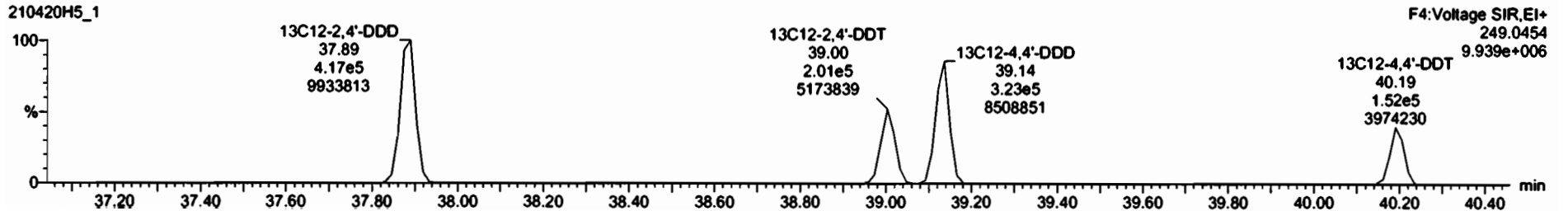


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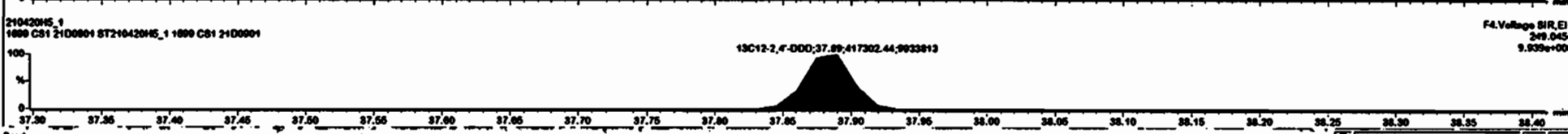
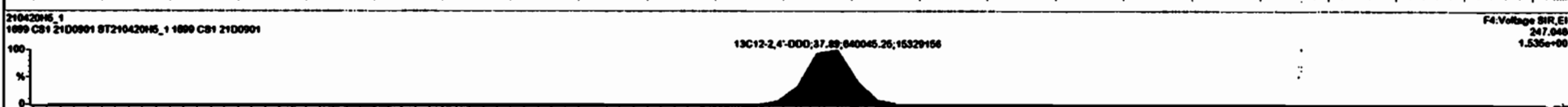
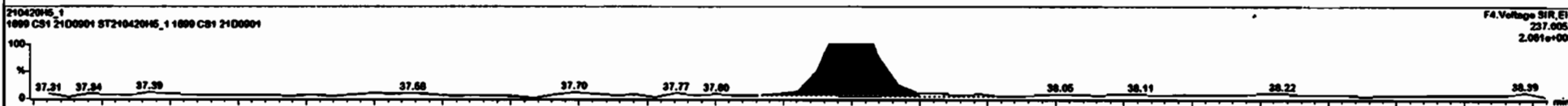
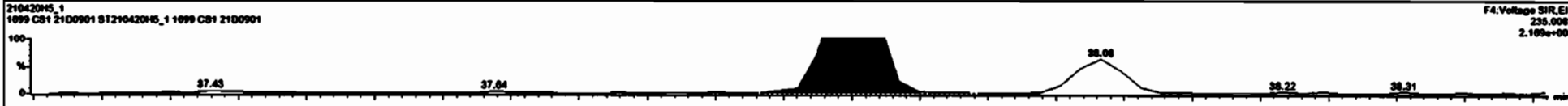
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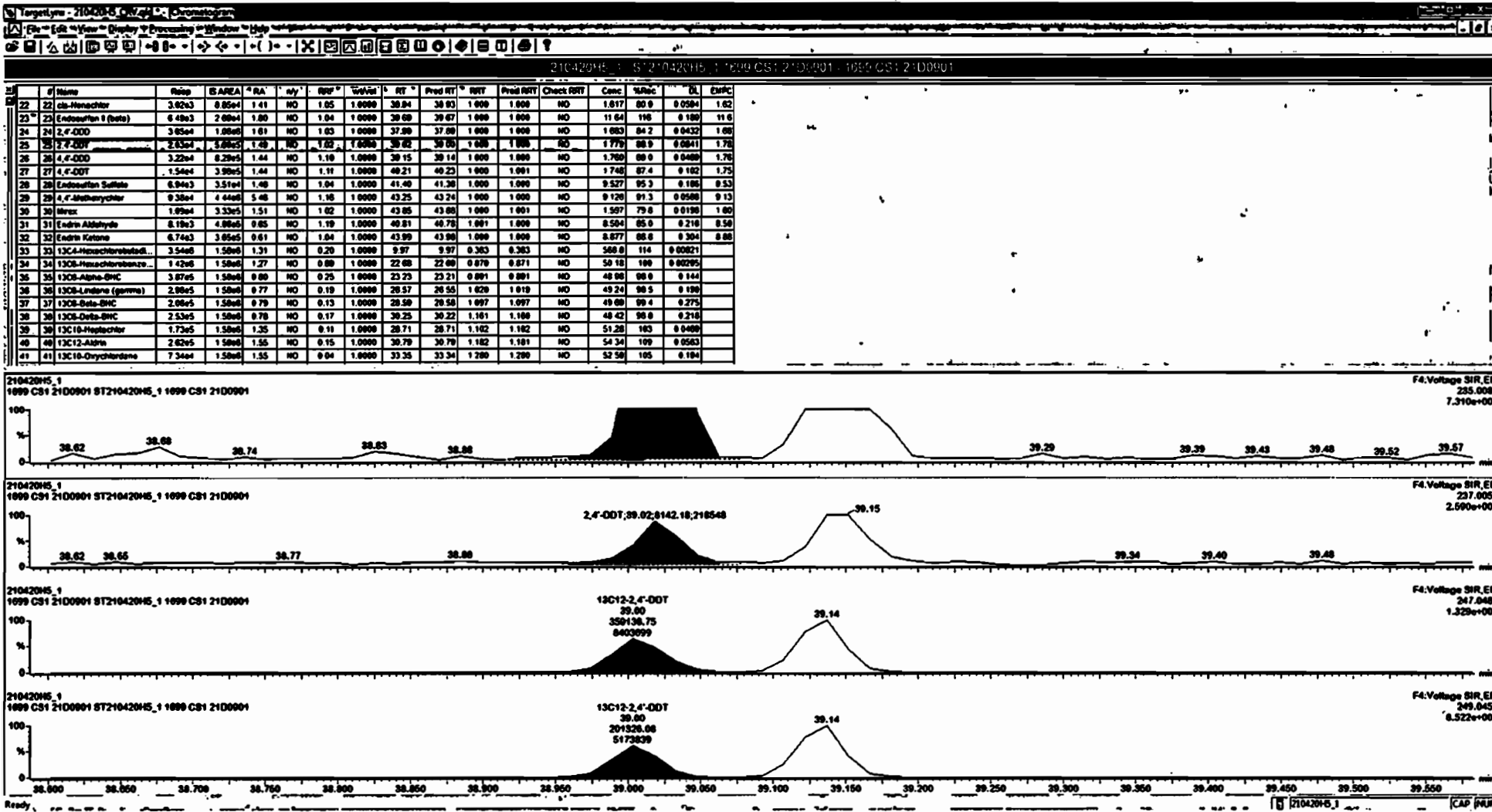


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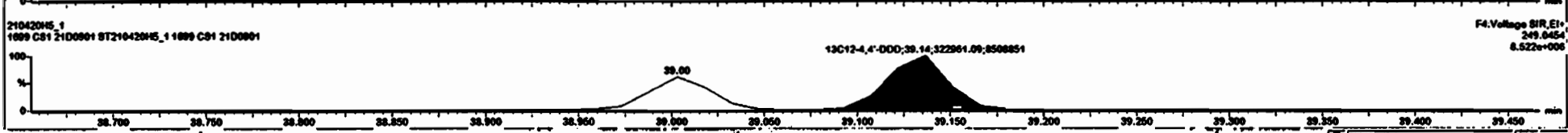
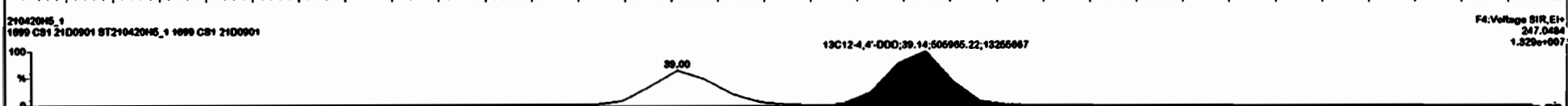
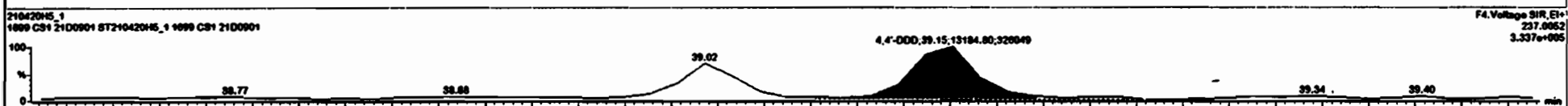
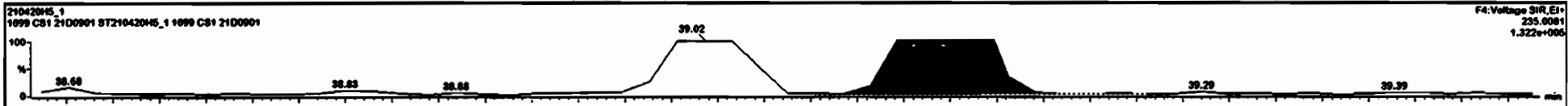
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22	2,4-Hexachlor	3.02e3	8.85e4	1.41	HO	1.05	1.0000	38.84	38.93	1.000	1.000	HO	1.017	88.9	0.0594	1.62	
23	Endosulfan 0 (beta)	6.49e3	2.89e4	1.80	HO	1.04	1.0000	39.89	39.97	1.000	1.000	HO	11.64	116	0.180	11.6	
24	2,4'-DDD	3.85e4	1.88e5	1.81	HO	1.05	1.0000	37.99	37.89	1.000	1.000	HO	1.003	84.2	0.0432	1.68	
25	2,4'-DDT	2.62e4	5.90e5	1.49	HO	1.02	1.0000	39.82	39.80	1.000	1.000	HO	1.779	88.9	0.0841	1.78	
26	4,4'-DDD	3.22e4	8.29e5	1.44	HO	1.10	1.0000	38.15	38.14	1.000	1.000	HO	1.780	88.0	0.0489	1.78	
27	4,4'-DDT	1.54e4	3.98e5	1.44	HO	1.11	1.0000	40.21	40.23	1.000	1.001	HO	1.748	87.4	0.102	1.75	
28	Endosulfan Sulfate	8.94e3	3.51e4	1.48	HO	1.04	1.0000	41.40	41.38	1.000	1.000	HO	9.527	95.3	0.188	9.53	
29	4,4'-Alkylhexachlor	9.38e4	4.44e6	5.48	HO	1.18	1.0000	43.25	43.24	1.000	1.000	HO	9.126	91.3	0.0586	9.13	
30	Mirex	1.89e4	3.33e5	1.51	HO	1.02	1.0000	43.85	43.88	1.000	1.001	HO	1.597	79.8	0.0196	1.60	
31	Endrin Aldehyde	8.19e3	4.98e5	0.85	HO	1.19	1.0000	48.81	48.78	1.001	1.000	HO	8.504	85.8	0.216	8.50	
32	Endrin Ketone	8.74e3	3.85e5	0.61	HO	1.04	1.0000	43.99	43.96	1.000	1.000	HO	8.877	88.8	0.384	8.88	
33	13C4-Hexachlorobutadi...	3.54e8	1.58e8	1.31	HO	0.28	1.0000	9.97	9.97	0.383	0.383	HO	588.8	114	0.6021		
34	13C8-Hexachlorobenzene	1.42e8	1.58e8	1.27	HO	0.88	1.0000	22.88	22.89	0.876	0.871	HO	58.18	108	0.60295		
35	13C8-Alpha-BHC	3.87e5	1.58e6	0.80	HO	0.25	1.0000	23.23	23.21	0.891	0.881	HO	48.88	98.0	0.144		
36	13C8-Lindane (gamma)	2.88e5	1.58e6	0.77	HO	0.19	1.0000	26.57	26.55	1.020	1.019	HO	49.24	88.5	0.190		
37	13C8-Beta-BHC	2.88e5	1.58e6	0.79	HO	0.13	1.0000	28.58	28.58	1.097	1.097	HO	49.88	98.4	0.275		
38	13C8-Delta-BHC	2.53e5	1.58e6	0.78	HO	0.17	1.0000	30.25	30.22	1.181	1.188	HO	48.42	98.8	0.218		
39	13C18-Hexachlor	1.73e5	1.58e6	1.35	HO	0.11	1.0000	28.71	28.71	1.182	1.182	HO	51.28	103	0.0489		
40	13C12-Altra	2.62e5	1.58e6	1.55	HO	0.15	1.0000	30.79	30.79	1.182	1.181	HO	54.34	109	0.0583		
41	13C18-Oxychlorde...	7.34e4	1.58e6	1.55	HO	0.84	1.0000	33.35	33.34	1.280	1.280	HO	52.58	105	0.184		







#	Name	Resp	SAREA	RA	dy	RF	%Vol	RT	Prod RT	RRT	Prod RRT	Check RRT	Conc.	%Rec	DL	EMPC
22	cis-Hexachlor	3.82e3	8.85e4	1.41	NO	1.05	1.0000	38.94	38.93	1.000	1.000	NO	1.617	80.9	0.0584	1.62
23	Endosulfan S (beta)	6.48e3	2.08e4	1.80	NO	1.04	1.0000	39.68	39.67	1.000	1.000	NO	11.64	116	0.188	11.6
24	2,4'-DDD	3.65e4	1.68e5	1.61	NO	1.03	1.0000	37.89	37.89	1.000	1.000	NO	1.093	84.2	0.0432	1.08
25	2,4'-DDT	2.63e4	5.98e5	1.49	NO	1.02	1.0000	38.02	38.00	1.000	1.000	NO	1.779	85.9	0.0841	1.78
26	4,4'-DDD	3.22e4	8.28e5	1.44	NO	1.10	1.0000	38.15	38.14	1.000	1.000	NO	1.768	85.8	0.0488	1.76
27	4,4'-DDT	1.54e4	3.58e5	1.44	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	1.740	87.4	0.102	1.75
28	Endosulfan Sulfate	6.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	9.527	95.3	0.188	9.53
29	4,4'-Methoxychlor	9.38e4	4.44e5	5.08	NO	1.18	1.0000	43.25	43.24	1.000	1.000	NO	9.120	91.3	0.0586	9.13
30	Mirex	1.09e4	3.33e5	1.51	NO	1.02	1.0000	43.85	43.88	1.000	1.001	NO	1.597	79.8	0.0198	1.60
31	Endrin Aldehyde	8.19e3	4.08e5	0.85	NO	1.19	1.0000	46.81	46.78	1.001	1.000	NO	8.504	85.8	0.218	8.50
32	Endrin Ketone	6.74e3	3.85e5	0.81	NO	1.04	1.0000	43.99	43.98	1.000	1.000	NO	8.877	88.8	0.304	8.88
33	13C4-Hexachlorocyclohexadi...	3.54e6	1.58e6	1.31	NO	0.20	1.0000	9.97	9.97	0.383	0.383	NO	568.8	114	0.00821	
34	13C8-Hexachlorobenzene	1.42e6	1.58e6	1.27	NO	0.88	1.0000	22.08	22.08	0.870	0.871	NO	50.18	100	0.00295	
35	13C8-Alpha-BHC	3.87e5	1.58e6	0.80	NO	0.25	1.0000	23.23	23.21	0.891	0.891	NO	48.98	98.9	0.144	
36	13C8-Lindane (gamma)	2.98e5	1.58e6	0.77	NO	0.19	1.0000	26.57	26.55	1.020	1.019	NO	49.24	98.5	0.190	
37	13C8-Beta-BHC	2.88e5	1.58e6	0.78	NO	0.13	1.0000	28.58	28.58	1.097	1.097	NO	49.68	99.4	0.275	
38	13C8-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.161	NO	48.42	96.8	0.218	
39	13C18-Heptachlor	1.73e5	1.58e6	1.35	NO	0.11	1.0000	28.71	28.71	1.182	1.182	NO	51.28	103	8.0489	
40	13C12-Aldrin	2.62e5	1.58e6	1.55	NO	0.15	1.0000	38.79	38.79	1.182	1.181	NO	54.34	108	0.0563	
41	13C18-Dryochlorane	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.289	1.289	NO	52.58	105	0.194	



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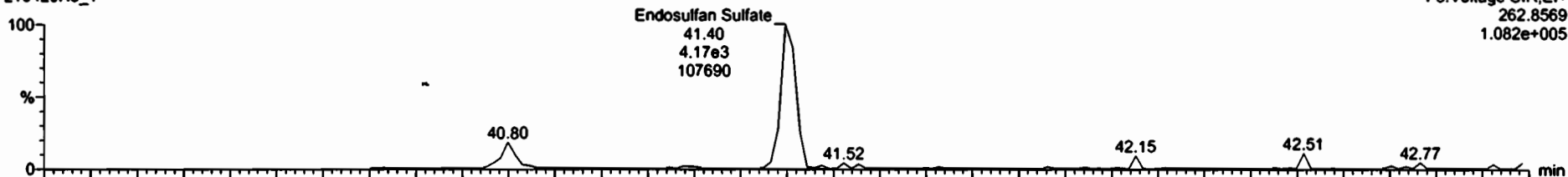
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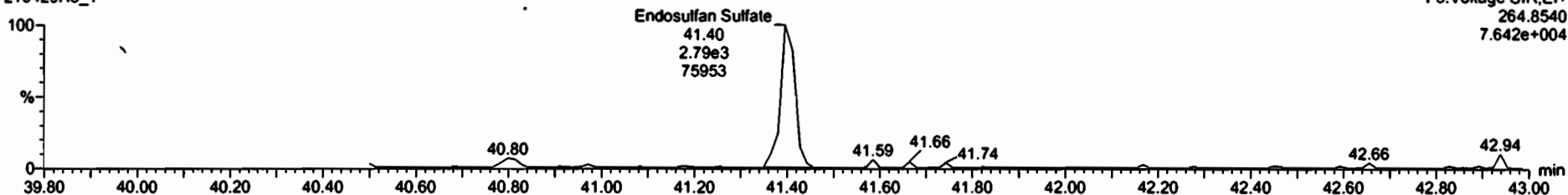
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**Endosulfan Sulfate**

210420H5\_1

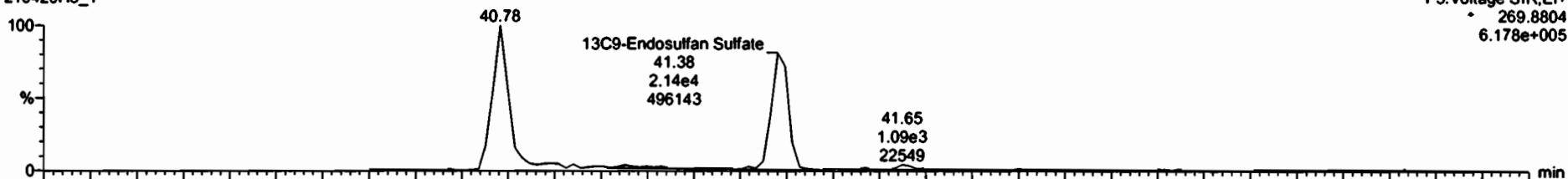


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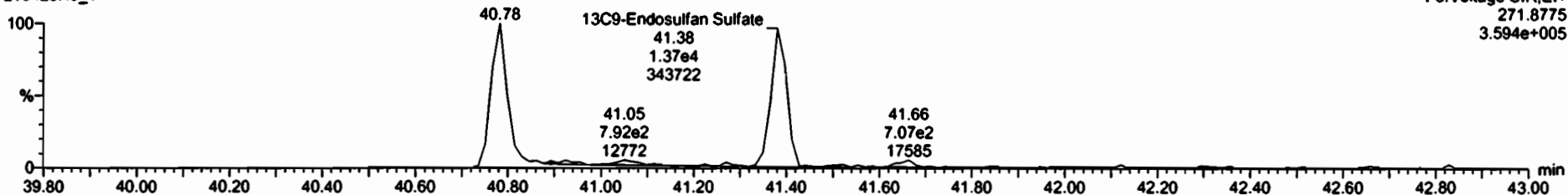


**13C9-Endosulfan Sulfate**

210420H5\_1



210420H5\_1



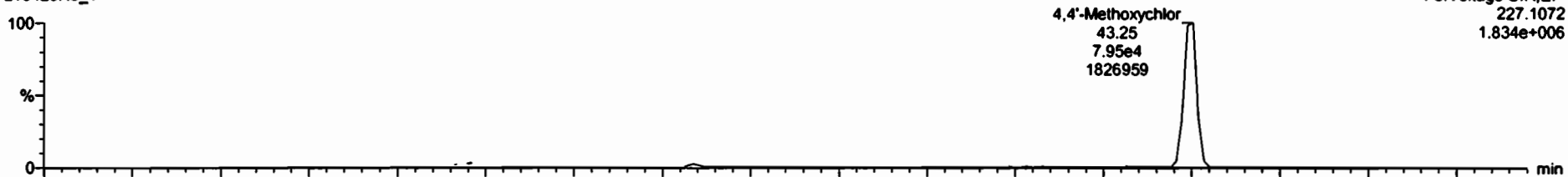
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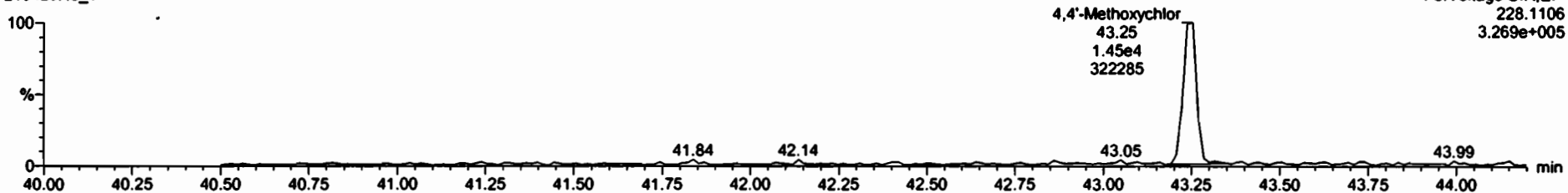
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**4,4'-Methoxychlor**

210420H5\_1



210420H5\_1

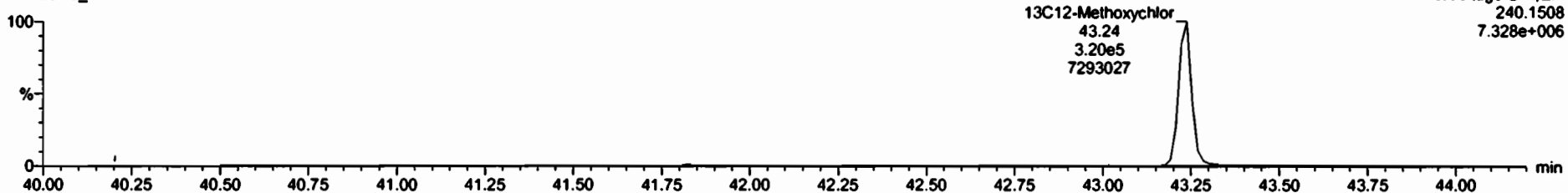


**13C12-Methoxychlor**

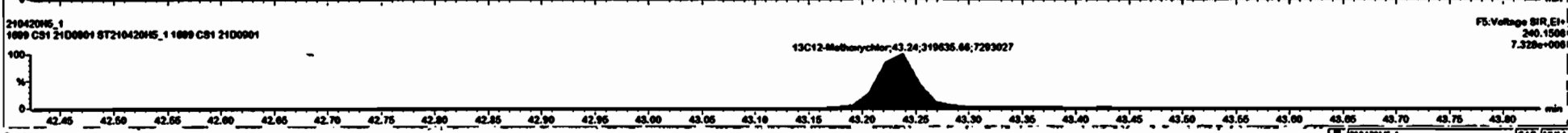
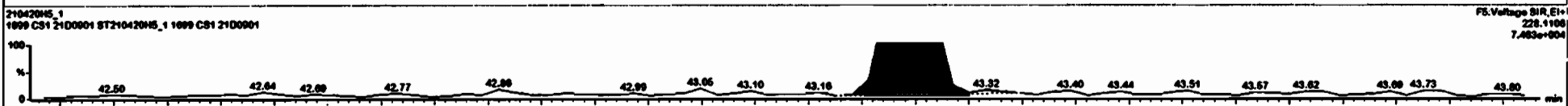
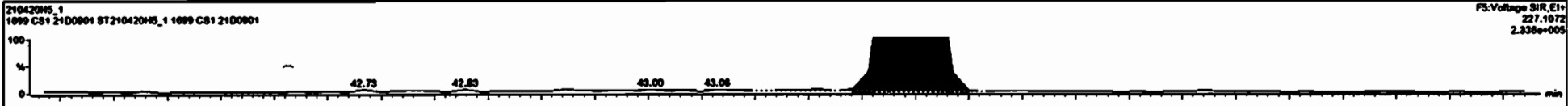
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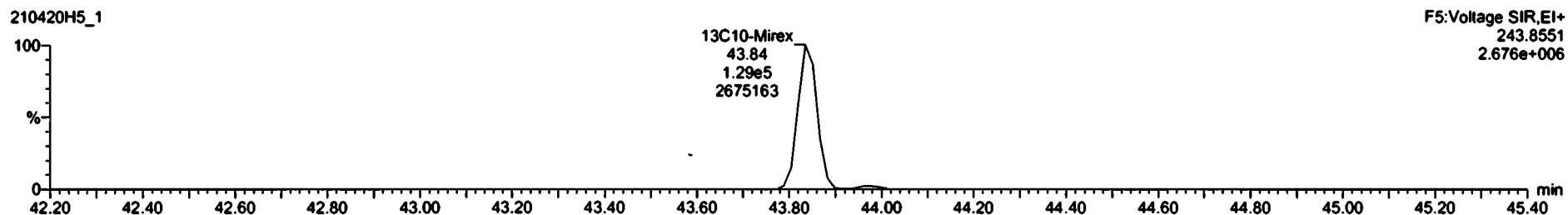
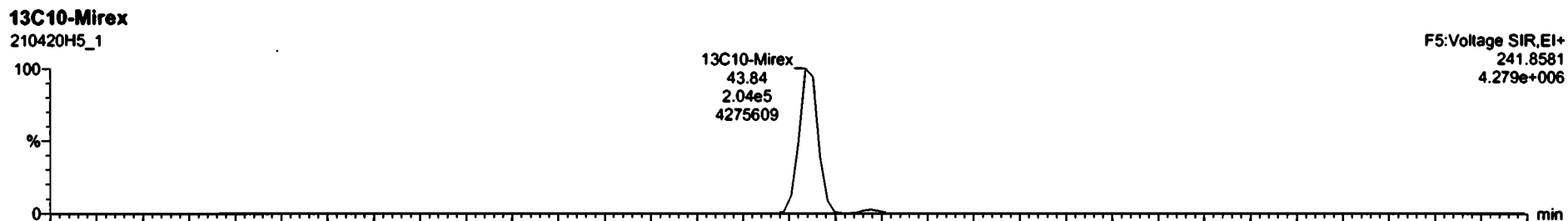
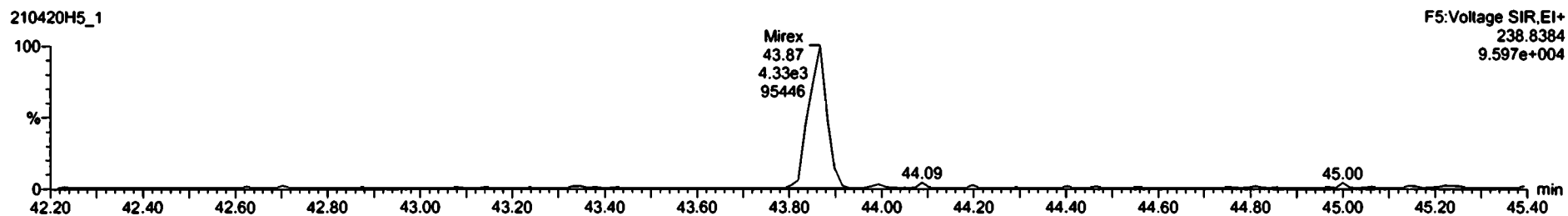
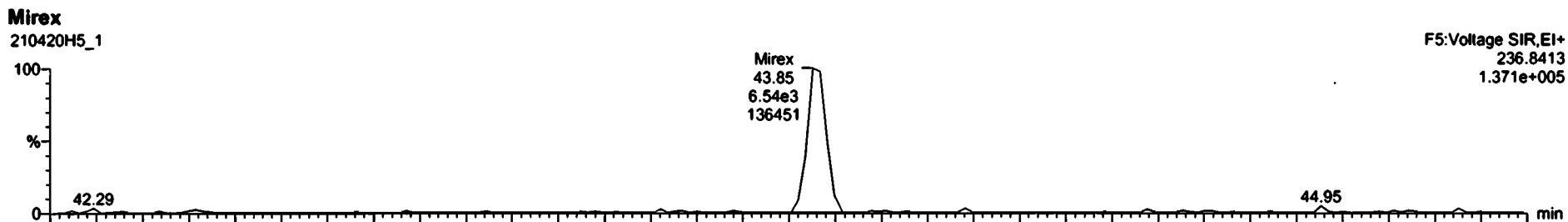
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22	2,4-Di-Methoxychlor	3.62e3	8.85e4	1.41	NO	1.05	1.0000	30.94	30.93	1.000	1.000	NO	1.617	99.9	0.0584	1.82
23	Endosulfan 0 (beta)	6.49e3	2.88e4	1.80	NO	1.04	1.0000	30.89	30.67	1.000	1.000	NO	11.64	116	0.189	11.6
24	2,4'-DDD	3.65e4	1.06e5	1.81	NO	1.03	1.0000	37.90	37.69	1.000	1.000	NO	1.683	94.2	0.0432	1.68
25	2,4'-DDT	2.63e4	5.89e5	1.49	NO	1.02	1.0000	39.02	39.00	1.000	1.000	NO	1.779	99.9	0.0641	1.78
26	4,4'-DDD	3.22e4	8.29e5	1.44	NO	1.19	1.0000	39.15	39.14	1.000	1.000	NO	1.780	99.0	0.0489	1.78
27	4,4'-DDT	1.54e4	3.98e5	1.44	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	1.748	97.4	0.102	1.75
28	Endosulfan Sulfate	6.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.30	1.000	1.000	NO	9.527	95.3	0.108	9.53
29	1,4'-Methoxychlor	9.38e4	4.44e5	3.48	MS	1.16	1.8605	43.35	43.24	1.020	1.020	NO	8.125	91.3	0.0668	8.13
30	Hexachlorocyclopentadiene	1.89e4	3.33e5	1.51	NO	1.02	1.0000	43.65	43.68	1.000	1.001	NO	1.597	79.6	0.0190	1.60
31	Endrin Aldehyde	8.19e3	4.08e5	0.85	NO	1.19	1.0000	46.81	46.70	1.001	1.000	NO	6.504	85.0	0.216	6.50
32	Endrin Ketone	6.74e3	3.85e5	0.61	NO	1.04	1.0000	43.99	43.98	1.000	1.000	NO	8.877	88.6	0.304	8.88
33	13C4-Hexachlorobenzene	3.54e6	1.58e6	1.31	NO	0.20	1.0000	9.97	9.97	0.383	0.383	NO	568.6	114	0.00221	
34	13C8-Hexachlorobenzene	1.47e6	1.58e6	1.27	NO	0.89	1.0000	22.68	22.69	0.870	0.871	NO	50.18	100	0.00295	
35	13C8-Alpha-BHC	3.87e5	1.58e6	0.88	NO	0.25	1.0000	23.23	23.21	0.891	0.891	NO	48.08	98.0	0.144	
36	13C8-Lindane (gamma)	2.89e5	1.58e6	0.77	NO	0.19	1.0000	26.57	26.56	1.020	1.019	NO	49.24	98.5	0.199	
37	13C8-Beta-BHC	2.09e5	1.58e6	0.79	NO	0.13	1.0000	28.59	28.58	1.097	1.097	NO	49.89	99.4	0.275	
38	13C8-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	48.42	98.8	0.218	
39	13C10-Methoxychlor	1.73e5	1.58e6	1.35	NO	0.11	1.0000	28.71	28.71	1.102	1.102	NO	51.28	183	0.0409	
40	13C12-Aldrin	2.62e5	1.58e6	1.55	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	54.34	189	0.0583	
41	13C10-Orythrodane	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.289	1.289	NO	52.59	185	0.194	



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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

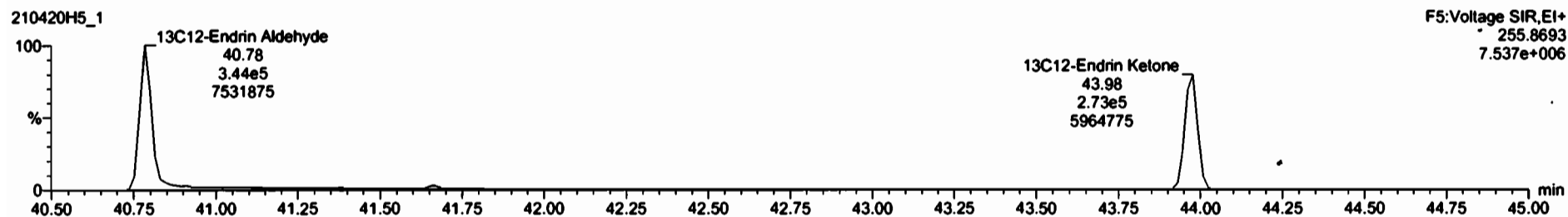
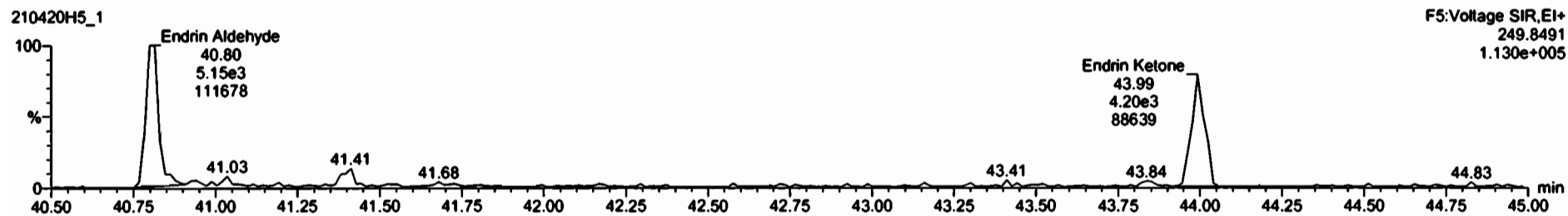
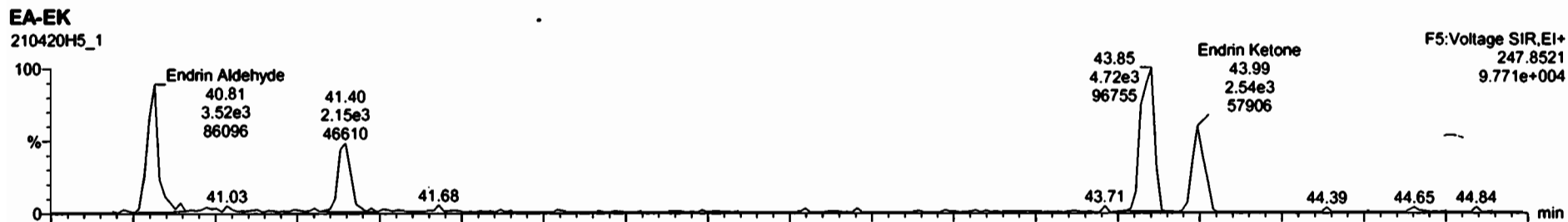
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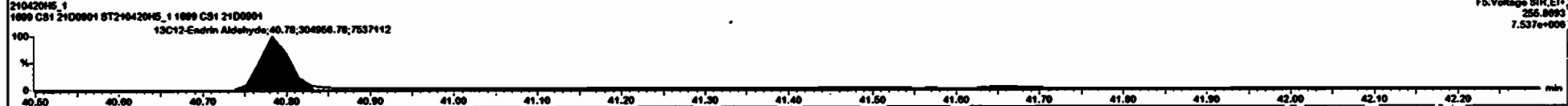
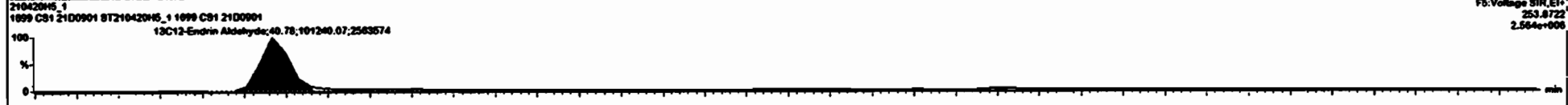
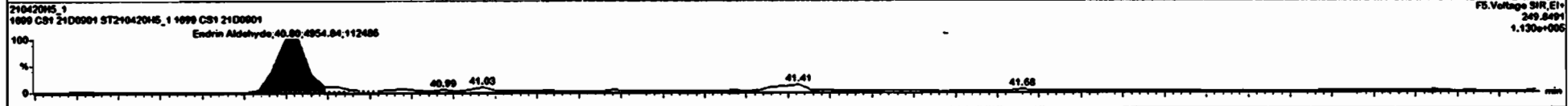
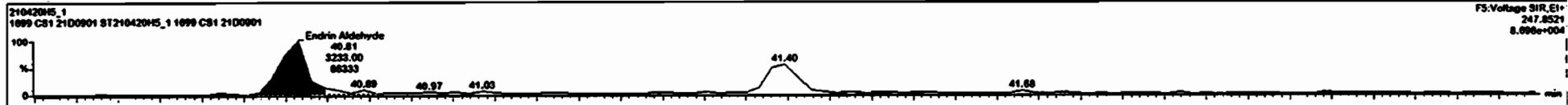
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_1, Date: 20-Apr-2021, Time: 18:15:12, ID: ST210420H5\_1 1699 CS1 21D0901, Description: 1699 CS1 21D0901



#	Name	Resp	ISAREA	RA	aly	RF	wt/wt	RT	Pred RT	RRT	Pred RRT	Check RRT	Calc	%Rec	DL	EMPC
22	cis-Hexachlor	3.62e3	0.85e4	1.41	NO	1.05	1.0000	30.84	30.93	1.000	1.000	NO	1.617	80.9	0.0584	1.62
23	Endosulfan S (beta)	6.49e3	2.08e4	1.80	NO	1.04	1.0000	39.69	39.67	1.000	1.000	NO	11.64	116	0.189	11.6
24	2,4'-DDD	3.65e4	1.05e5	1.61	NO	1.03	1.0000	37.80	37.80	1.000	1.000	NO	1.683	84.2	0.0432	1.68
25	2,4'-DDT	2.63e4	5.08e5	1.49	NO	1.02	1.0000	39.62	39.60	1.000	1.000	NO	1.779	88.9	0.0641	1.78
26	4,4'-DDD	3.22e4	8.29e5	1.44	NO	1.10	1.0000	38.15	38.14	1.000	1.000	NO	1.760	88.8	0.0469	1.76
27	4,4'-DDT	1.54e4	3.96e5	1.44	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	1.748	87.4	0.102	1.75
28	Endosulfan Sulfate	8.94e3	3.51e4	1.48	NO	1.04	1.0000	41.40	41.38	1.000	1.000	NO	9.527	95.3	0.108	9.53
29	4,4'-Alkylbiphenyl	9.38e4	4.44e6	5.48	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	9.126	91.3	0.0586	9.13
30	Mirex	1.89e4	3.33e5	1.51	NO	1.02	1.0000	43.85	43.88	1.000	1.001	NO	1.597	79.8	0.0198	1.60
31	Endrin Aldehyde	8.18e3	4.06e5	0.86	NO	1.19	1.0000	40.81	40.78	1.001	1.000	NO	8.584	85.8	0.216	8.58
32	Endrin Ketone	6.74e3	3.05e5	0.61	NO	1.04	1.0000	43.98	43.98	1.000	1.000	NO	8.677	88.8	0.304	8.68
33	13C14-Hexachlorobenzod...	3.54e6	1.58e6	1.31	NO	0.20	1.0000	9.97	9.97	0.383	0.383	NO	568.8	114	0.00221	
34	13C18-Hexachlorobenzene...	1.42e6	1.58e6	1.27	NO	0.89	1.0000	22.68	22.68	0.870	0.871	NO	50.18	100	0.00295	
35	13C18-Alpha-BHC	3.87e5	1.58e6	0.88	NO	0.25	1.0000	23.23	23.21	0.891	0.891	NO	48.98	98.0	0.144	
36	13C18-Lindane (gamma)	2.98e5	1.58e6	0.77	NO	0.19	1.0000	26.57	26.55	1.020	1.019	NO	49.24	98.5	0.189	
37	13C18-Beta-BHC	2.08e5	1.58e6	0.79	NO	0.13	1.0000	28.59	28.58	1.097	1.097	NO	49.89	99.4	0.275	
38	13C18-Delta-BHC	2.53e5	1.58e6	0.78	NO	0.17	1.0000	30.25	30.22	1.161	1.160	NO	48.42	98.6	0.218	
39	13C18-Hexachlor	1.73e5	1.58e6	1.25	NO	0.11	1.0000	28.71	28.71	1.102	1.102	NO	51.28	183	0.0469	
40	13C12-Aldrin	2.62e5	1.58e6	1.55	NO	0.15	1.0000	30.79	30.79	1.182	1.181	NO	54.34	109	0.0563	
41	13C18-Chrysothene	7.34e4	1.58e6	1.55	NO	0.04	1.0000	33.35	33.34	1.289	1.289	NO	52.58	105	0.194	



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

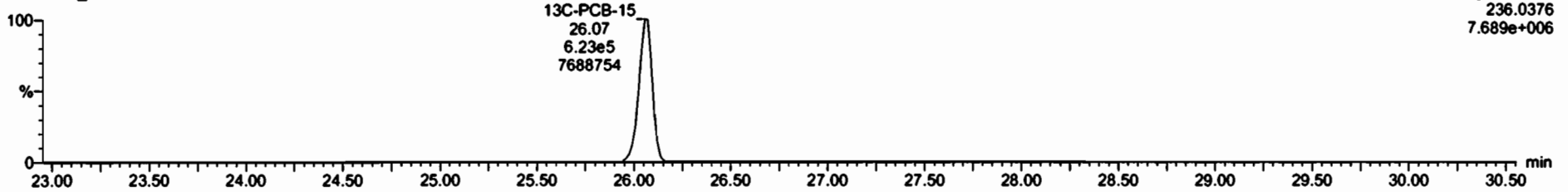
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13C-PCB-15

210420H5\_1



210420H5\_1

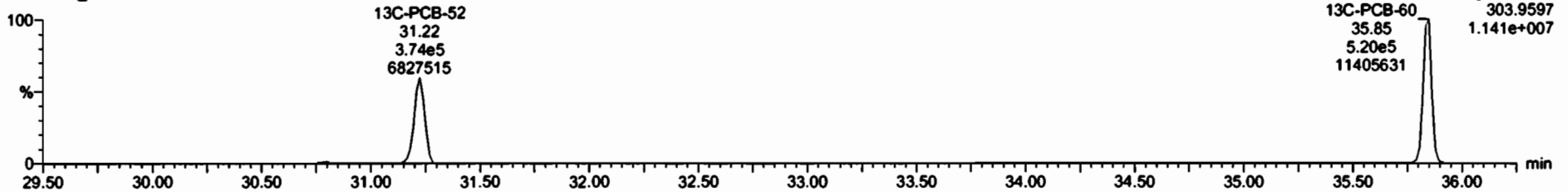


13C-PCB-60

210420H5\_1



210420H5\_1





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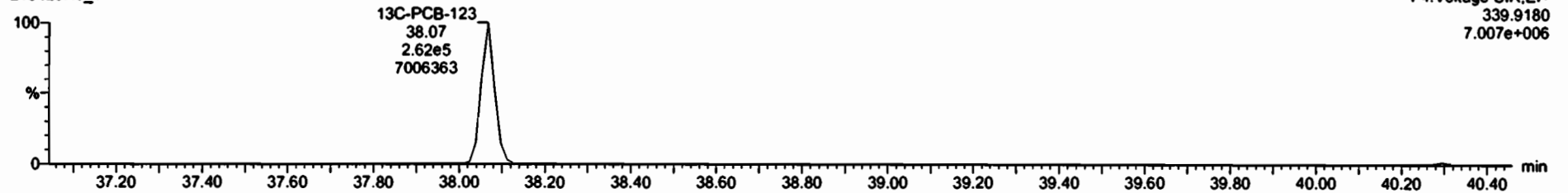
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**13C-PCB-123**

210420H5\_1



210420H5\_1

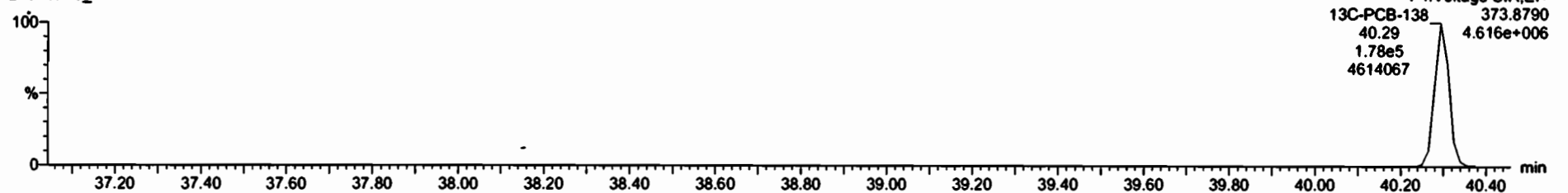


**13C-PCB-138**

210420H5\_1



210420H5\_1



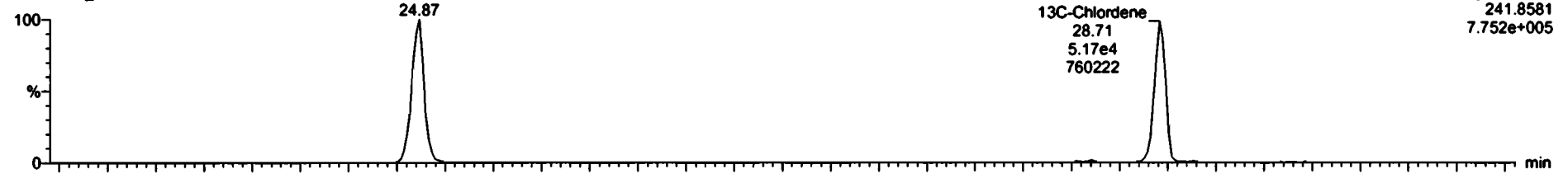
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

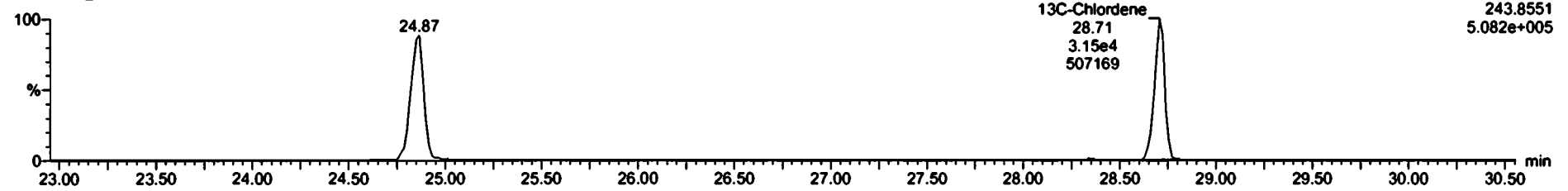
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**13C-Chlordene**

210420H5\_1

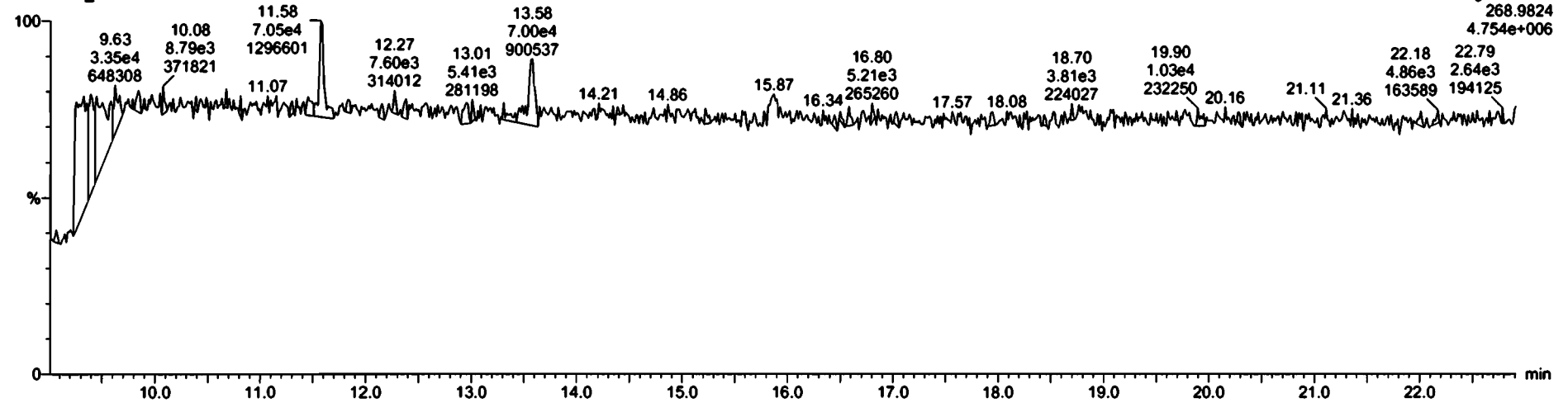


210420H5\_1



**PFK1**

210420H5\_1

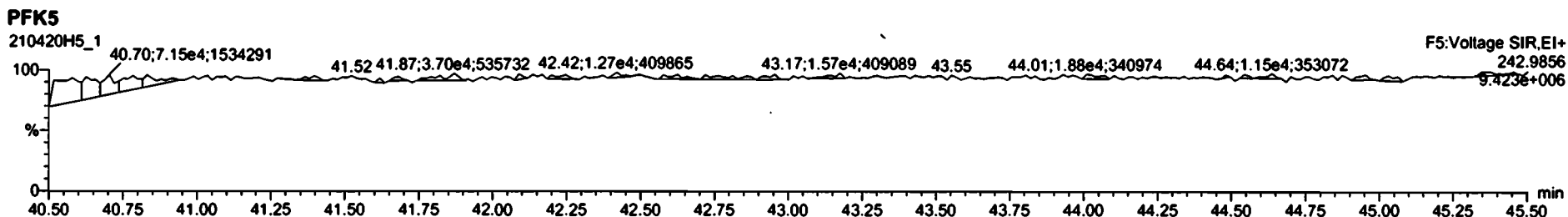
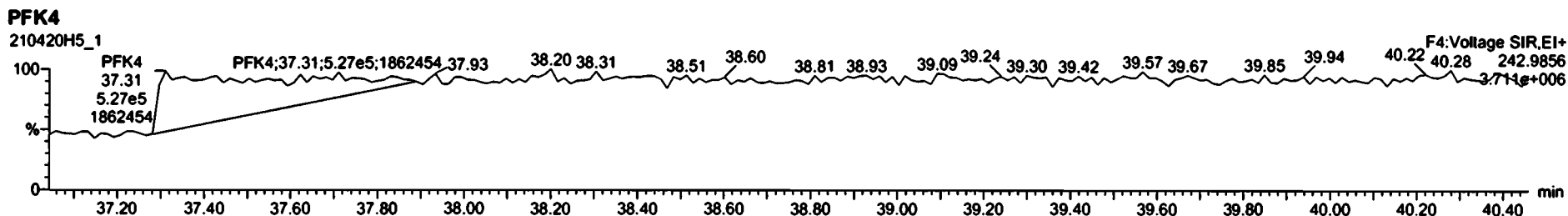
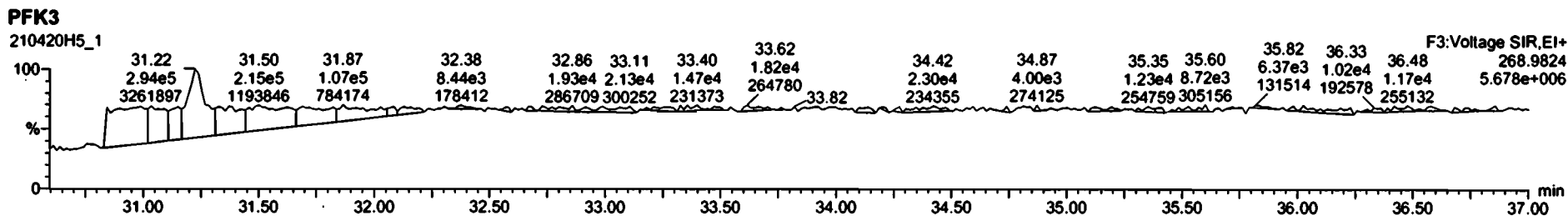
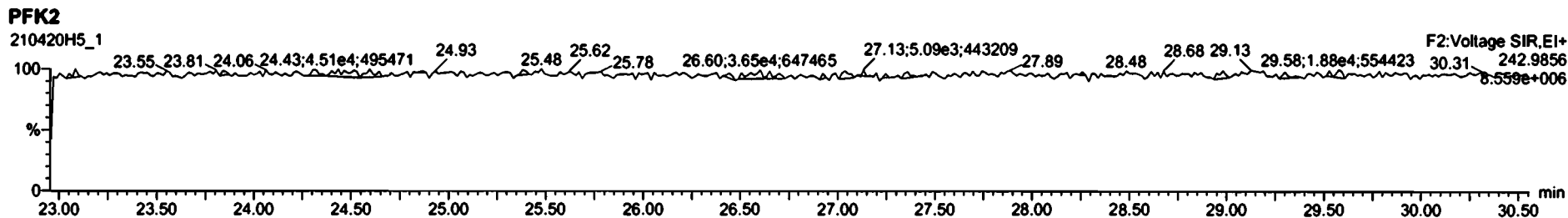


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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

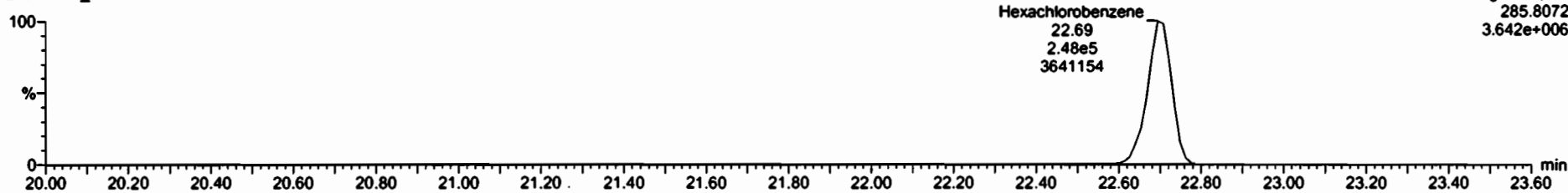
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Hexachlorobenzene

210420H5\_2



210420H5\_2

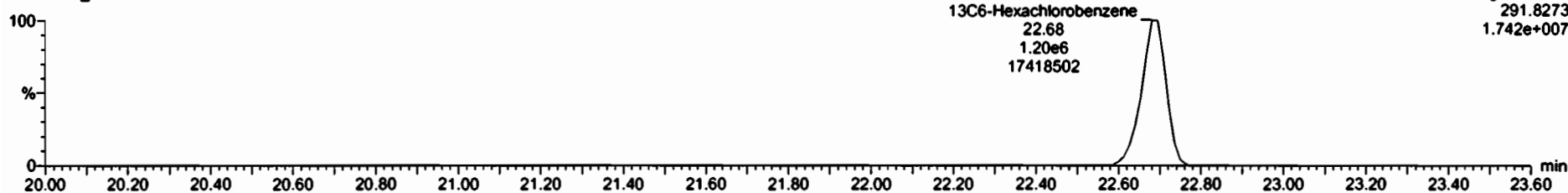


13C6-Hexachlorobenzene

210420H5\_2



210420H5\_2



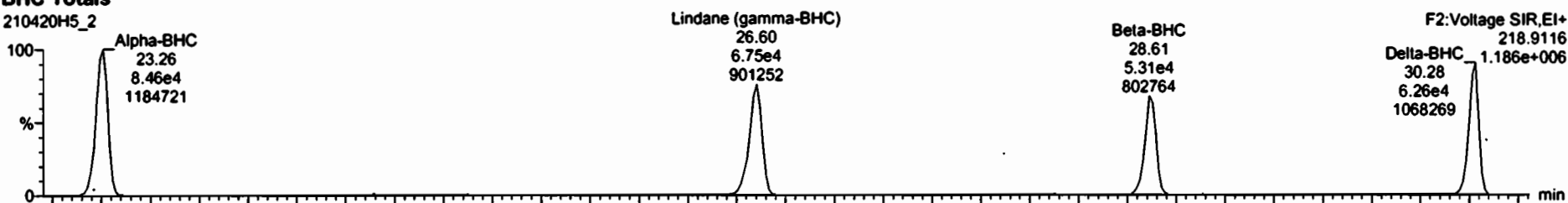
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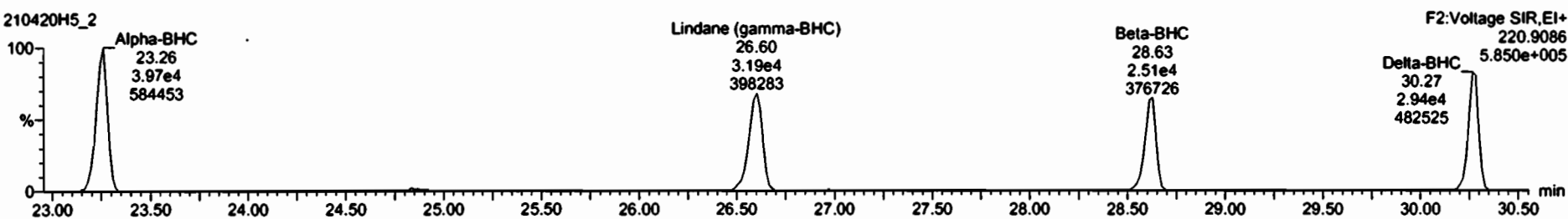
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**BHC Totals**

210420H5\_2

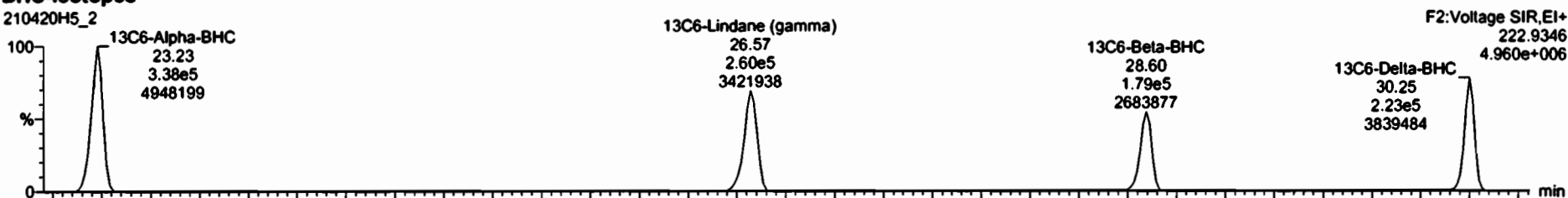


210420H5\_2

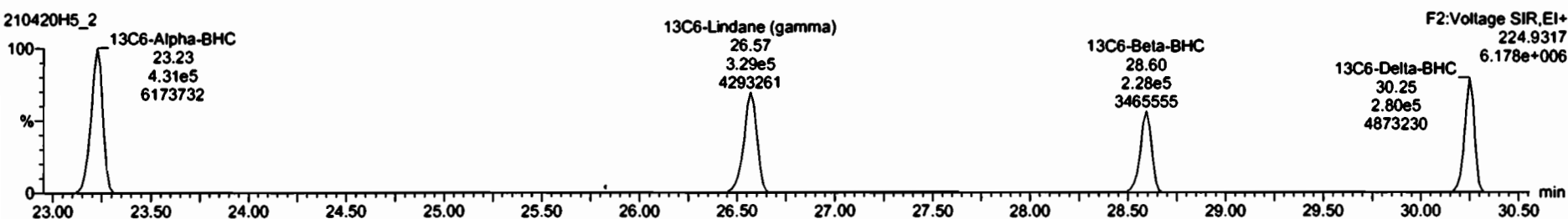


**BHC-Isotopes**

210420H5\_2



210420H5\_2



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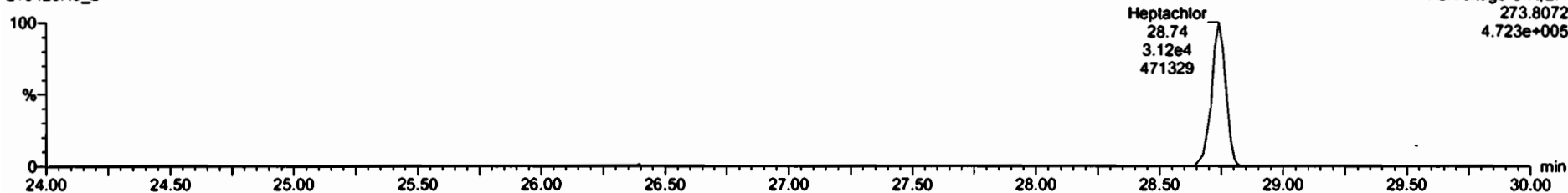
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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Heptachlor  
210420H5\_2



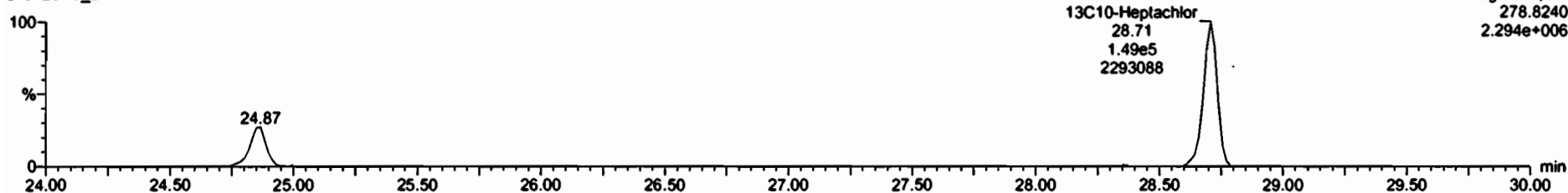
210420H5\_2



13C10-Heptachlor  
210420H5\_2



210420H5\_2



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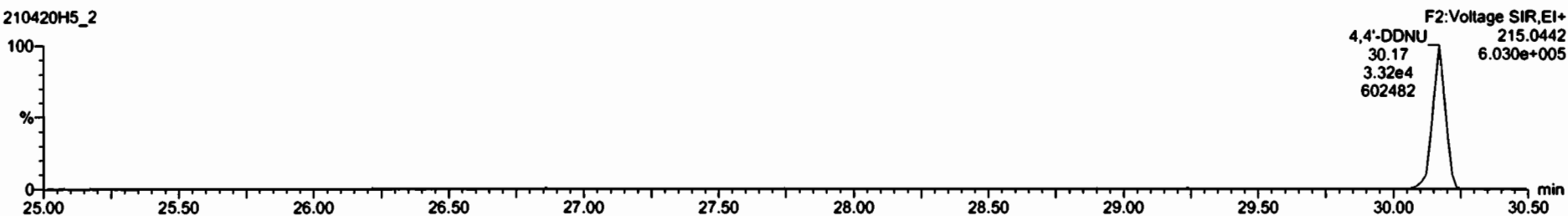
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4,4'-DDNU

210420H5\_2



210420H5\_2

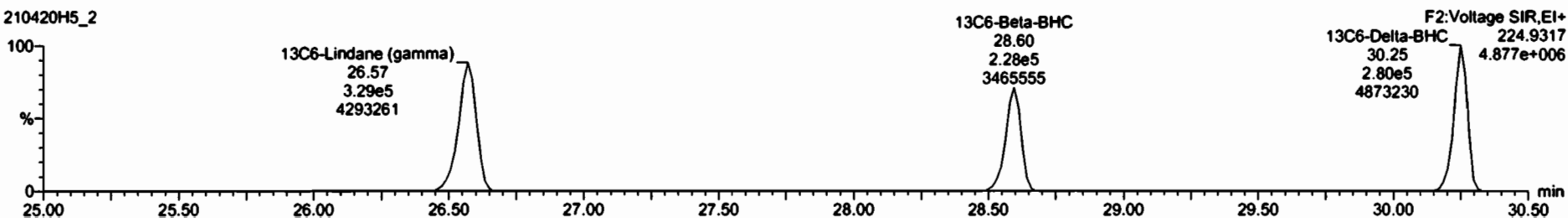


13C6-Delta-BHC

210420H5\_2



210420H5\_2



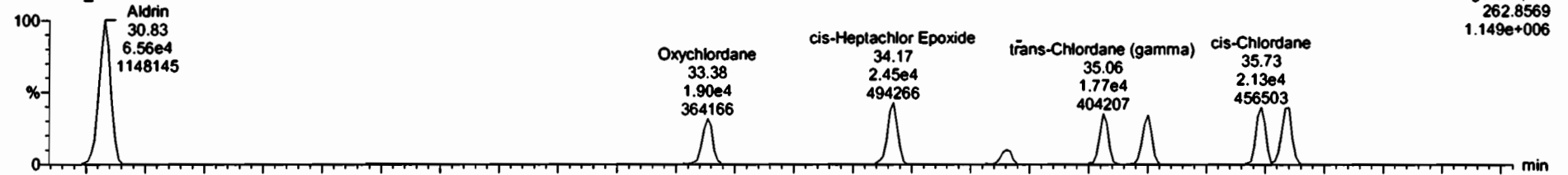
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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
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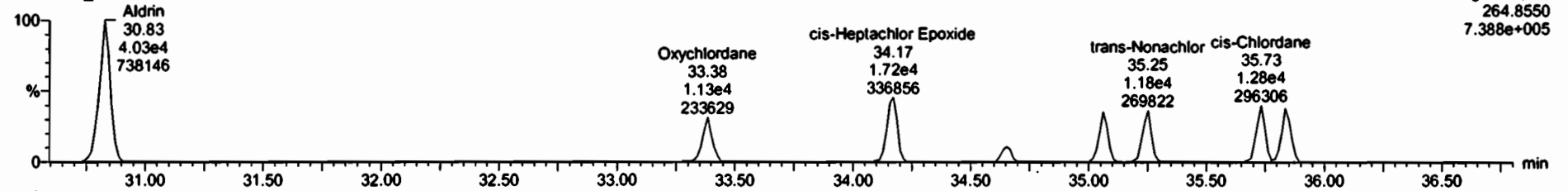
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**Aldrin-EI**

210420H5\_2

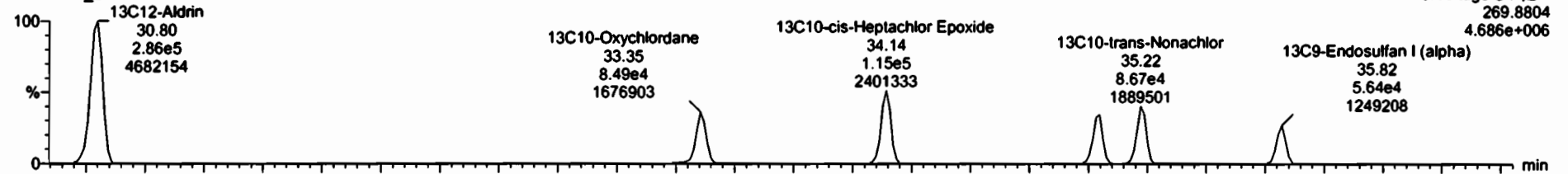


210420H5\_2

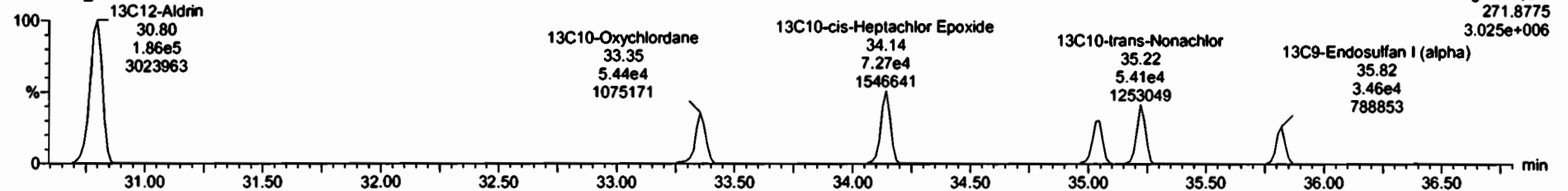


**Aldrin-EI-isotopes**

210420H5\_2



210420H5\_2





Dataset: Untitled

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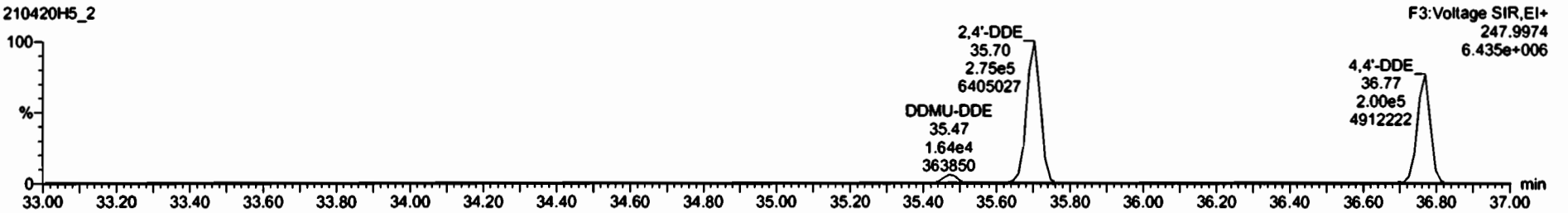
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**DDMU-DDE**

210420H5\_2



210420H5\_2

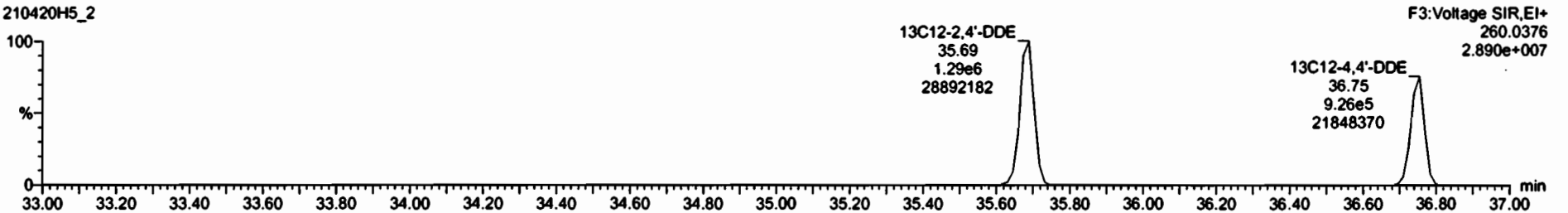


**DDE-Isotopes**

210420H5\_2



210420H5\_2



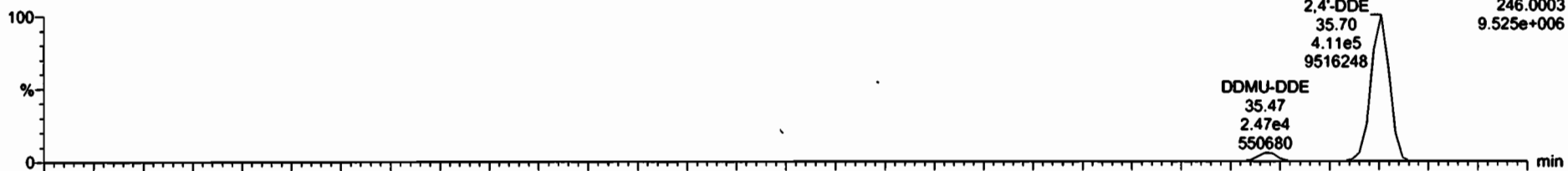
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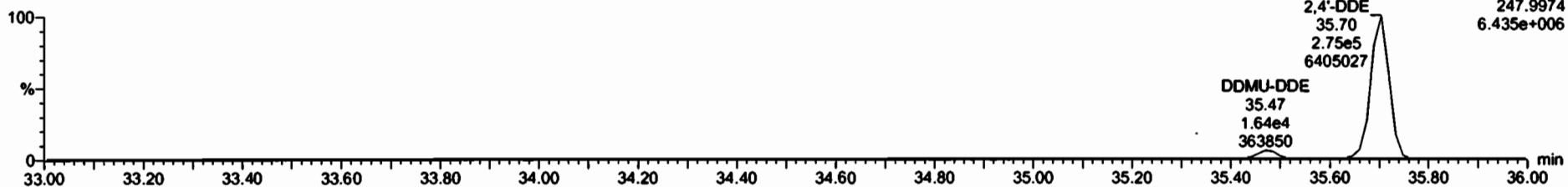
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**2,4'-DDE**

210420H5\_2



210420H5\_2

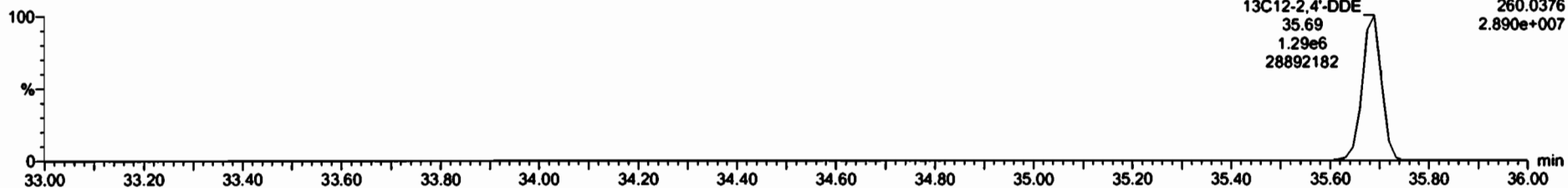


**13C12-2,4'-DDE**

210420H5\_2



210420H5\_2



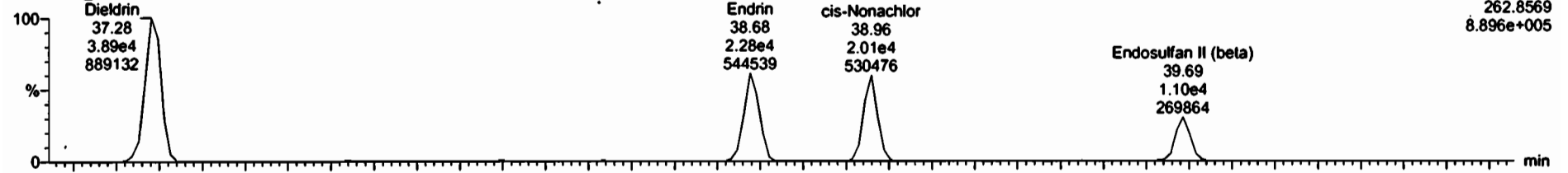
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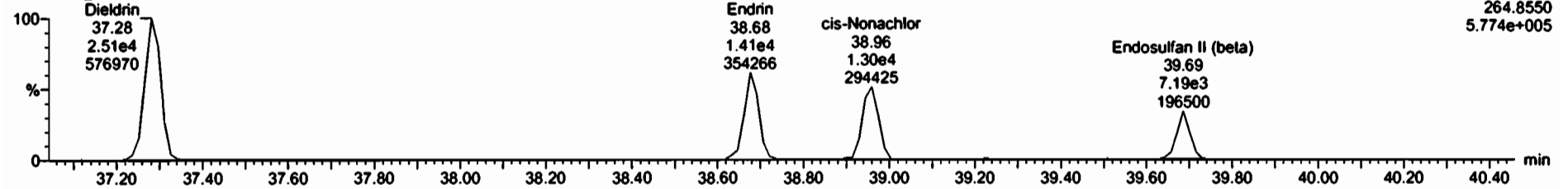
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**Dieldrin-EII**

210420H5\_2

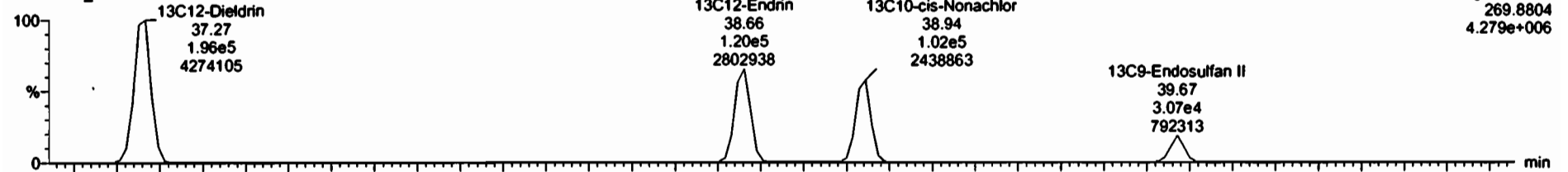


210420H5\_2

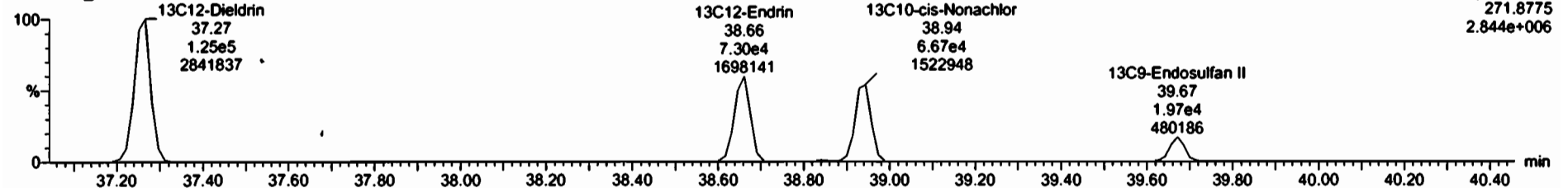


**Dieldrin-EII-isotopes**

210420H5\_2



210420H5\_2



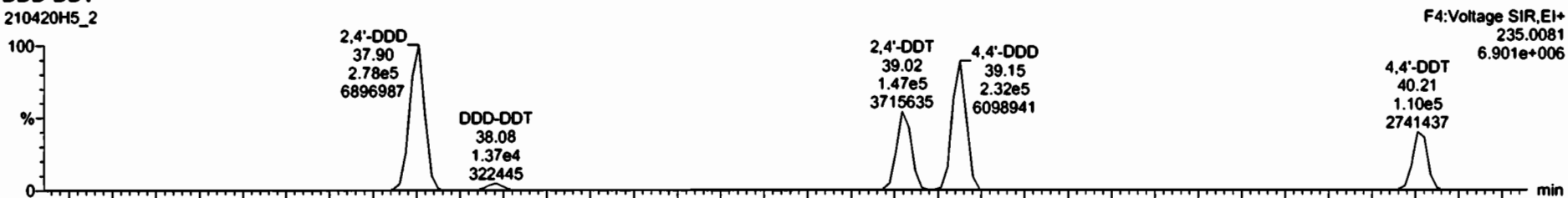
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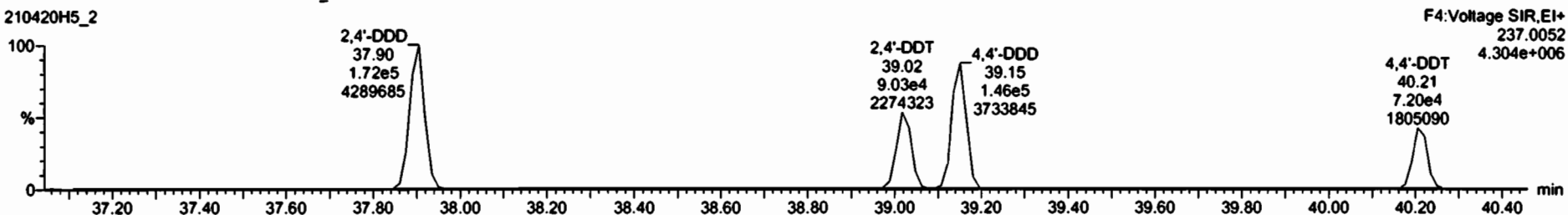
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DDD-DDT

210420H5\_2

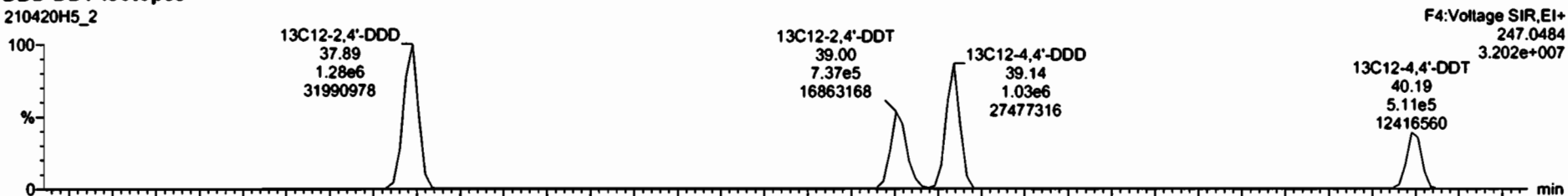


210420H5\_2

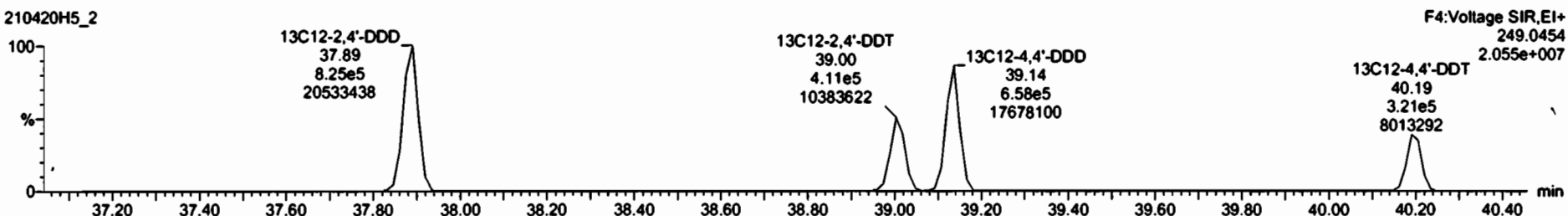


DDD-DDT-isotopes

210420H5\_2



210420H5\_2



Dataset: Untitled

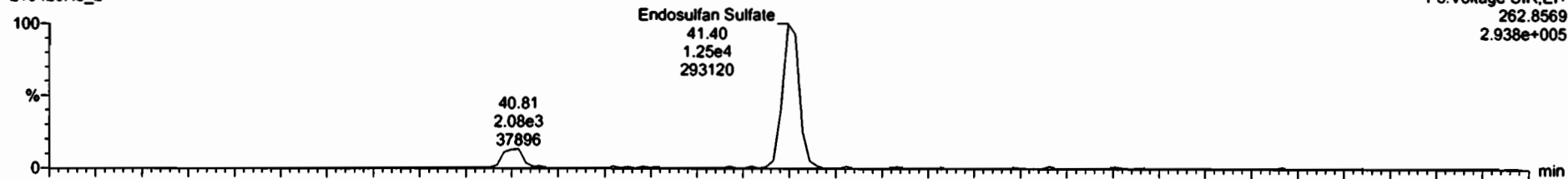
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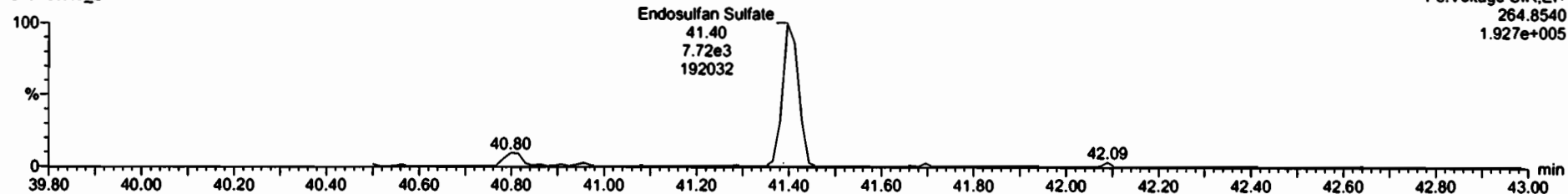
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**Endosulfan Sulfate**

210420H5\_2

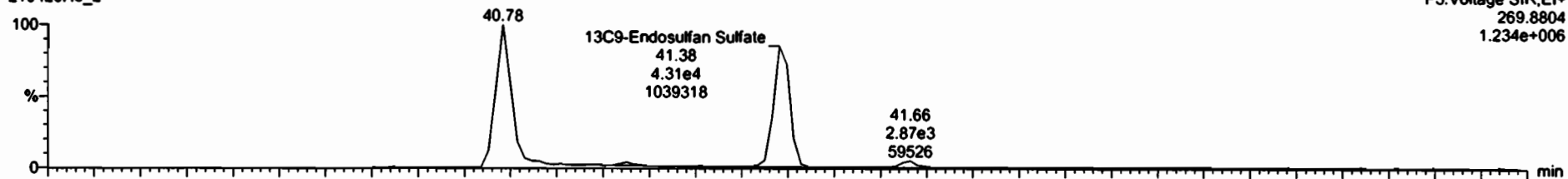


210420H5\_2

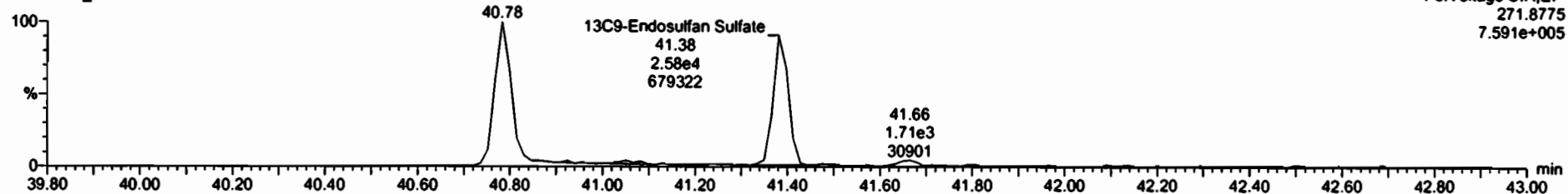


**13C9-Endosulfan Sulfate**

210420H5\_2



210420H5\_2



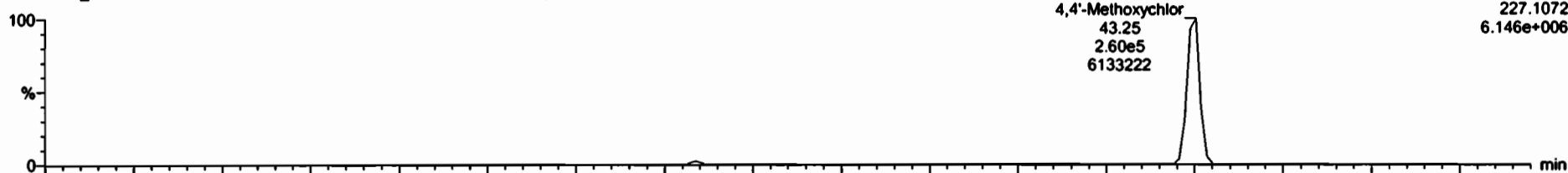
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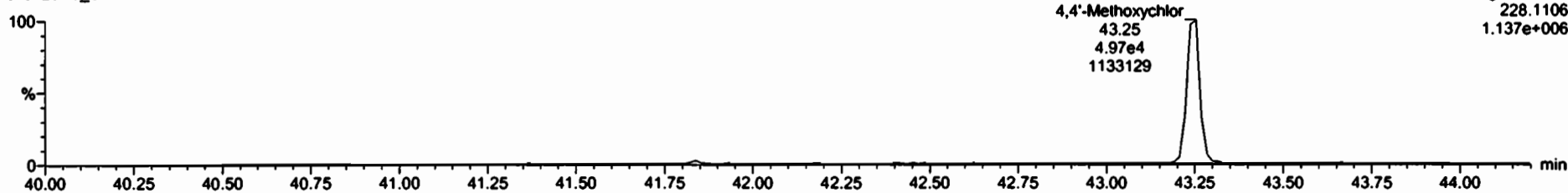
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4,4'-Methoxychlor

210420H5\_2

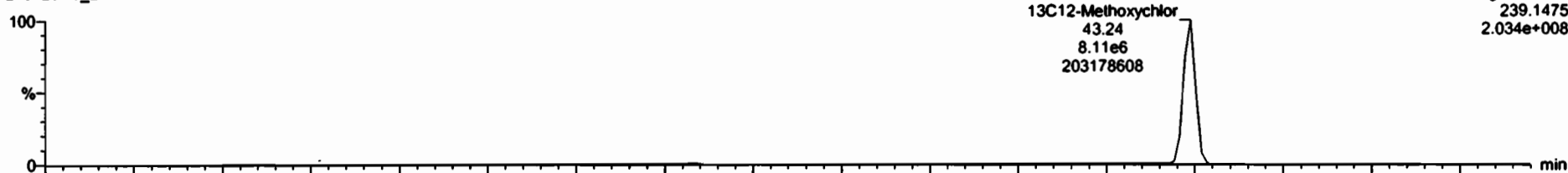


210420H5\_2

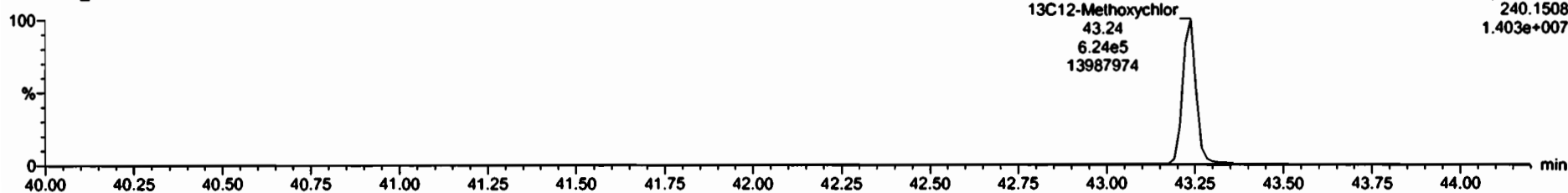


13C12-Methoxychlor

210420H5\_2



210420H5\_2

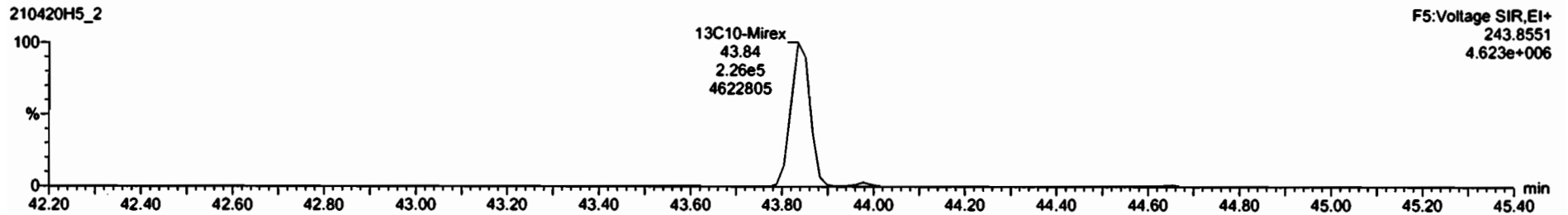
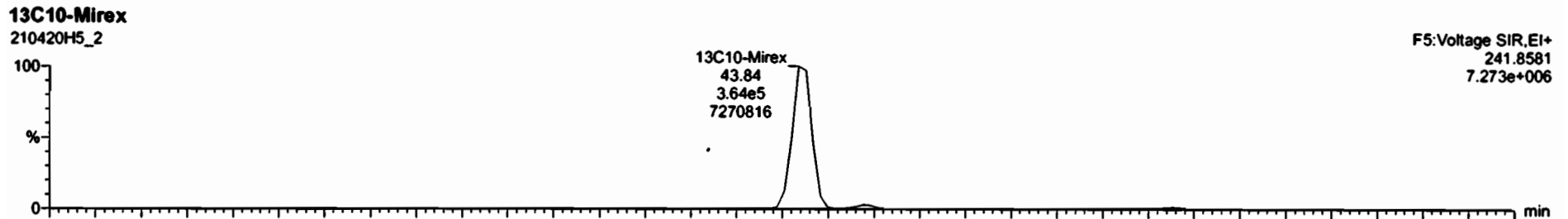
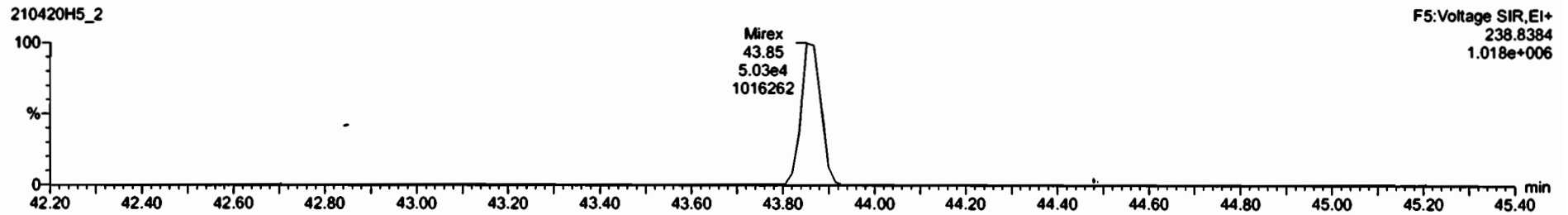
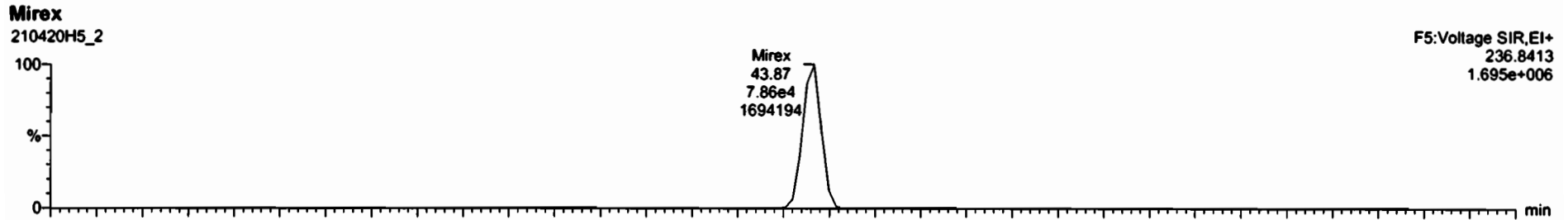


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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

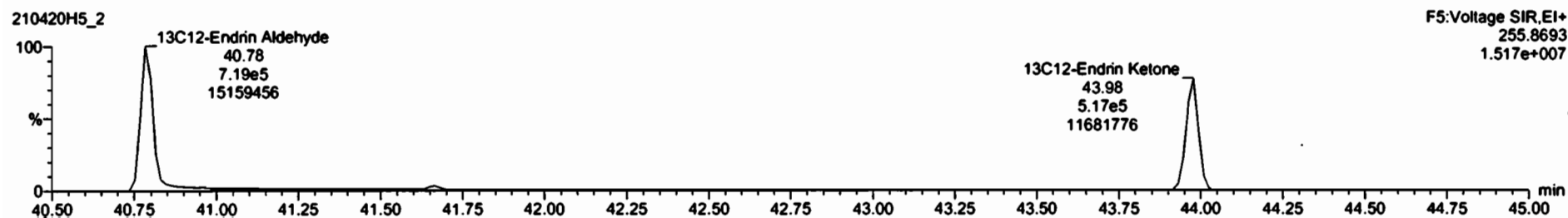
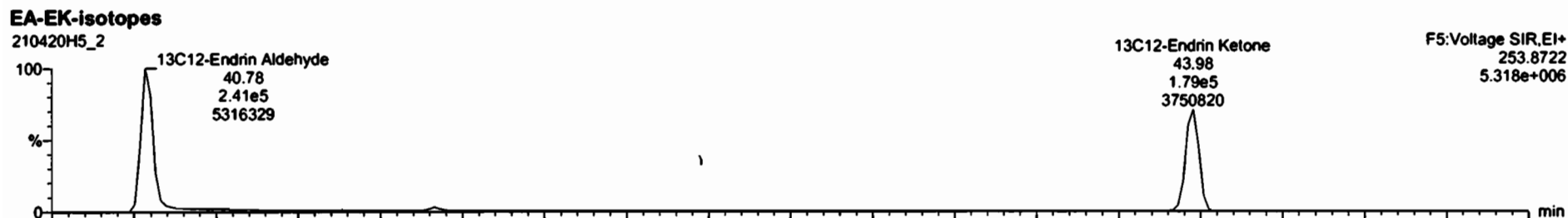
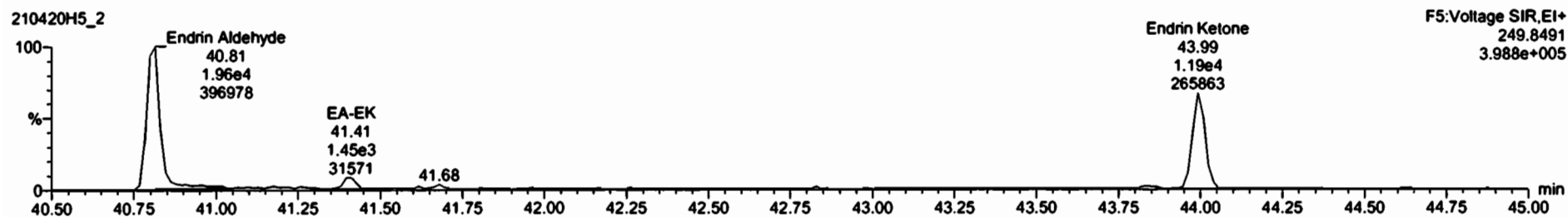
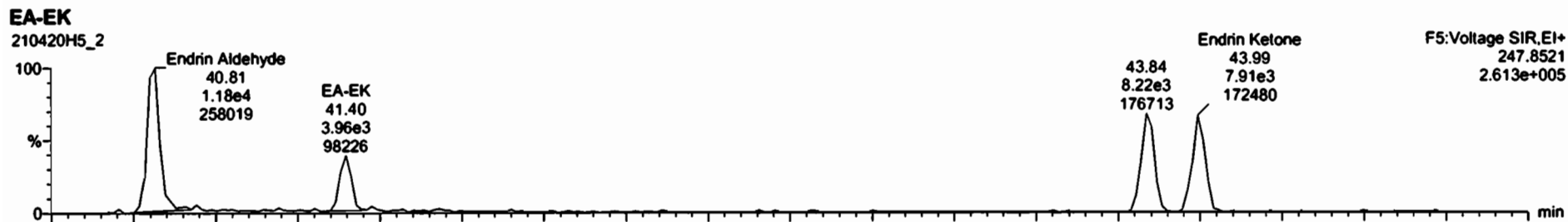
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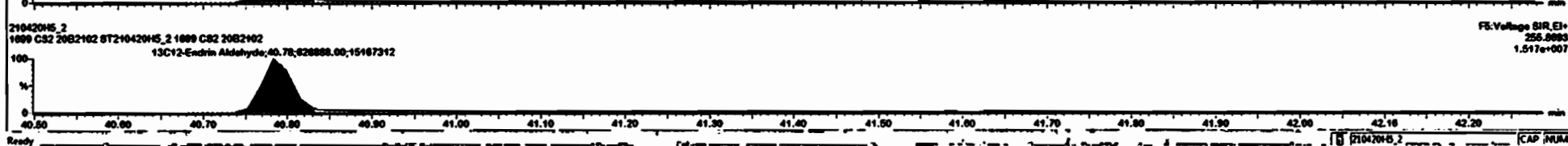
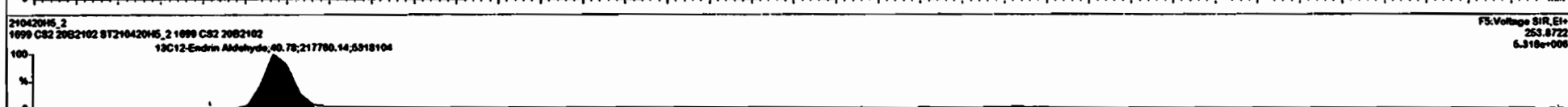
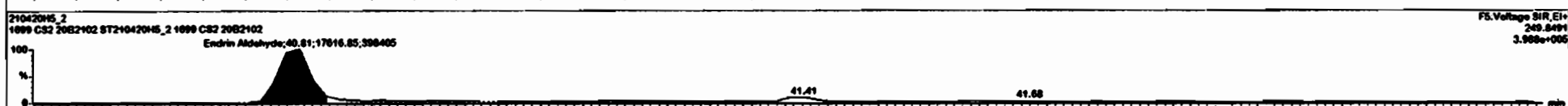
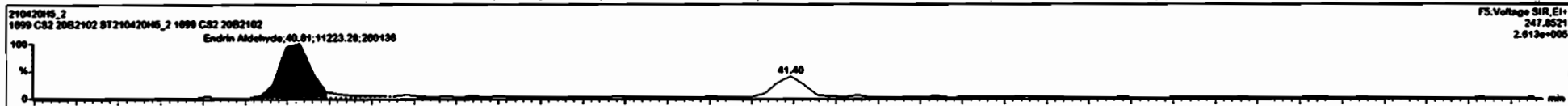
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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#	Name	RT	ISAREA	RA	WY	RWF	IntVol	RT	Pred RT	RRT	Pred RRT	Chkcd RRT	Conc	%Acc	DL	EMPC
20	Dieldrin	8.48e4	3.21e5	1.55	NO	1.05	1.0000	37.28	37.38	1.000	1.001	NO	9.485	94.6	0.0183	9.48
21	Endrin	3.68e4	1.83e5	1.61	NO	0.88	1.0000	38.68	38.79	1.000	1.001	NO	9.782	97.9	0.0323	9.78
22	cis-Hexachlor	3.31e4	1.68e5	1.54	NO	1.05	1.0000	38.98	39.04	1.000	1.000	NO	9.327	93.3	0.0335	9.33
23	Endosulfan S (beta)	1.82e4	5.04e4	1.53	NO	1.64	1.0000	39.69	39.67	1.000	1.000	NO	17.43	116	0.108	17.4
24	2,4'-DDD	4.49e5	2.11e6	1.82	NO	1.83	1.0000	37.90	37.89	1.000	1.000	NO	10.40	104	0.0291	10.4
25	2,4'-DDT	2.38e5	1.15e6	1.63	NO	1.02	1.0000	39.82	39.89	1.000	1.000	NO	10.15	102	0.0587	10.2
26	4,4'-DDD	3.78e5	1.88e6	1.58	NO	1.10	1.0000	38.15	38.14	1.000	1.000	NO	18.14	181	0.0317	18.1
27	4,4'-DDT	1.82e5	8.32e5	1.53	NO	1.11	1.0000	40.21	40.23	1.000	1.001	NO	9.885	98.9	0.0781	9.89
28	Endosulfan Sulfate	2.63e4	8.88e4	1.62	NO	1.04	1.0000	41.48	41.38	1.000	1.000	NO	14.19	94.6	0.113	14.2
29	4,4'-Methoxychlor	3.69e5	8.73e5	5.23	NO	1.16	1.0000	43.25	43.24	1.000	1.000	NO	15.31	102	0.0307	15.3
30	Mirex	1.29e5	5.90e5	1.58	NO	1.02	1.0000	43.87	43.88	1.001	1.001	NO	10.80	107	0.0168	10.7
31	Endrin Alderhyde	2.88e4	8.47e5	6.64	NO	1.10	1.0000	48.81	48.79	1.001	1.000	NO	14.35	95.9	0.134	14.4
32	Endrin Ketone	1.98e4	8.88e5	6.67	NO	1.04	1.0000	43.98	43.98	1.000	1.000	NO	13.00	91.3	0.218	13.7
33	13C12-Hexachlorobutadi	4.22e6	3.27e6	1.77	NO	0.20	1.0000	9.98	9.98	0.383	0.383	NO	328.4	65.7	0.00545	
34	13C8-Hexachlorobutadi	2.74e6	3.27e6	1.28	NO	0.88	1.0000	22.68	22.71	0.879	0.871	NO	48.98	93.9	0.00188	
35	13C8-Alpha-BHC	7.88e5	3.27e6	0.78	NO	0.25	1.0000	23.23	23.22	0.891	0.891	NO	47.16	94.3	0.0073	
36	13C8-Lindane (gamma)	5.88e5	3.27e6	0.78	NO	0.19	1.0000	26.57	26.58	1.019	1.019	NO	47.54	95.1	0.0085	
37	13C8-Beta-BHC	4.87e5	3.27e6	0.78	NO	0.13	1.0000	28.58	28.58	1.097	1.097	NO	47.57	95.1	0.128	
38	13C8-Delta-BHC	5.87e5	3.27e6	0.88	NO	0.17	1.0000	30.25	30.24	1.108	1.108	NO	48.58	93.2	0.102	
39	13C18-Heptachlor	3.42e5	3.27e6	1.29	NO	0.11	1.0000	28.71	28.72	1.101	1.102	NO	49.12	98.2	0.0591	



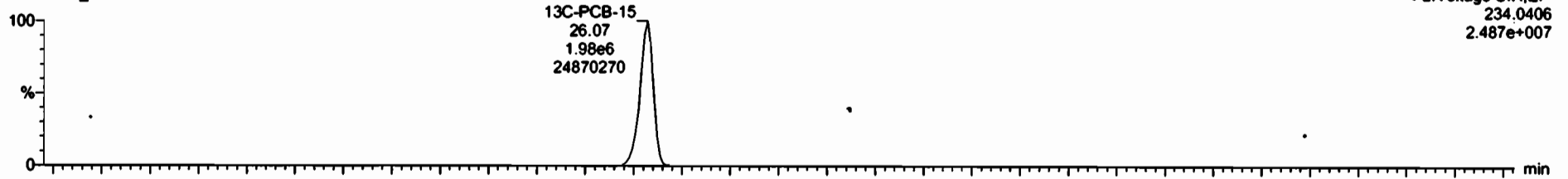
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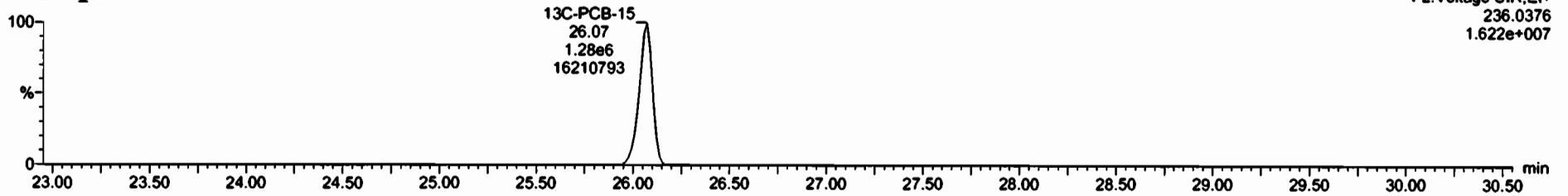
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13C-PCB-15

210420H5\_2

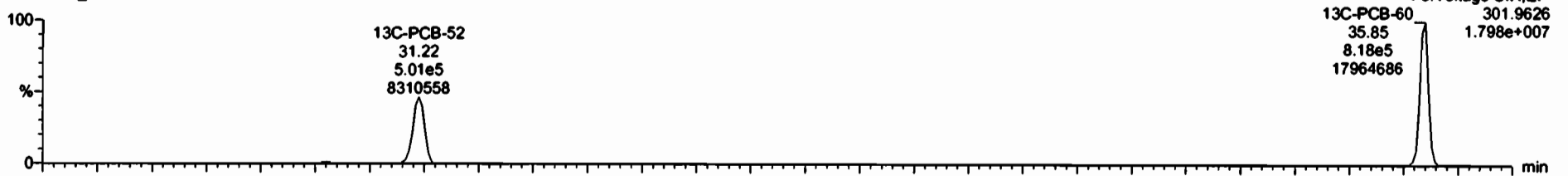


210420H5\_2

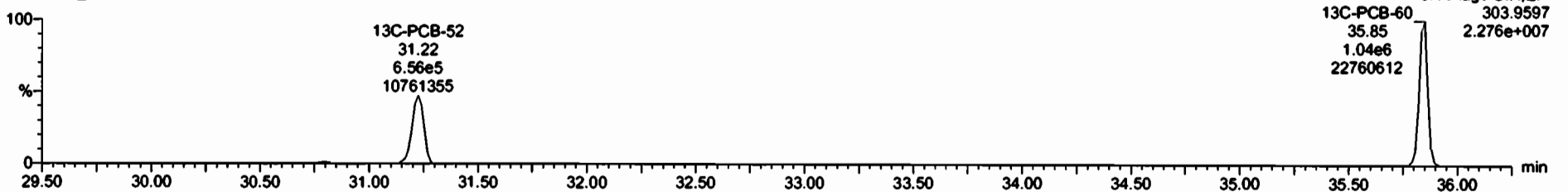


13C-PCB-60

210420H5\_2



210420H5\_2



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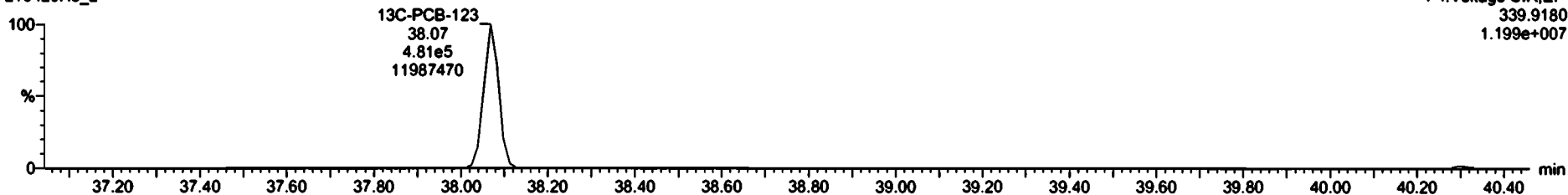
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13C-PCB-123

210420H5\_2



210420H5\_2

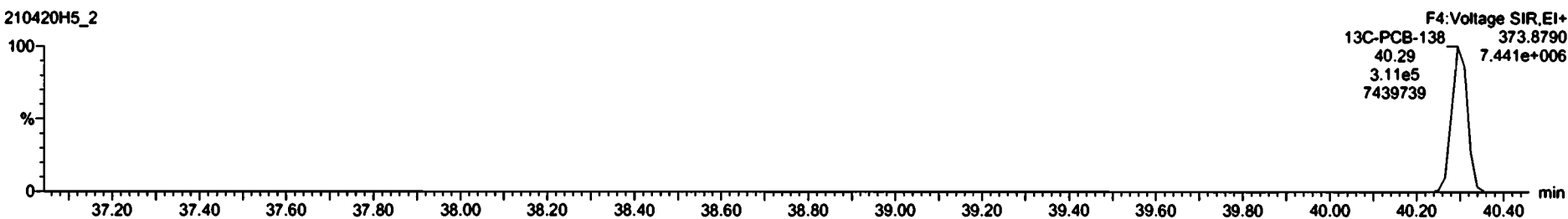


13C-PCB-138

210420H5\_2



210420H5\_2



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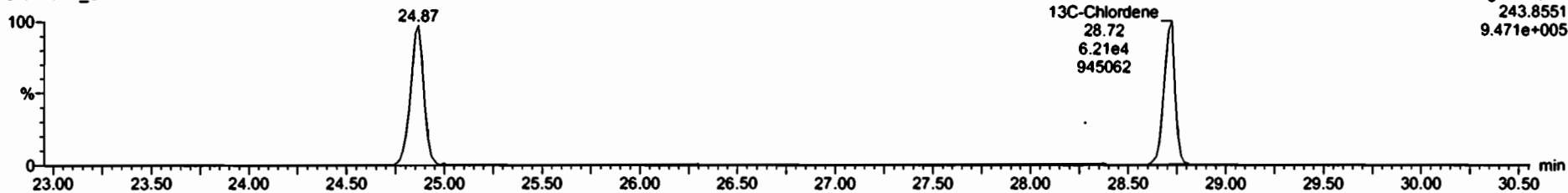
13C-Chlordene

210420H5\_2



F2:Voltage SIR,EI+  
241.8581  
1.541e+006

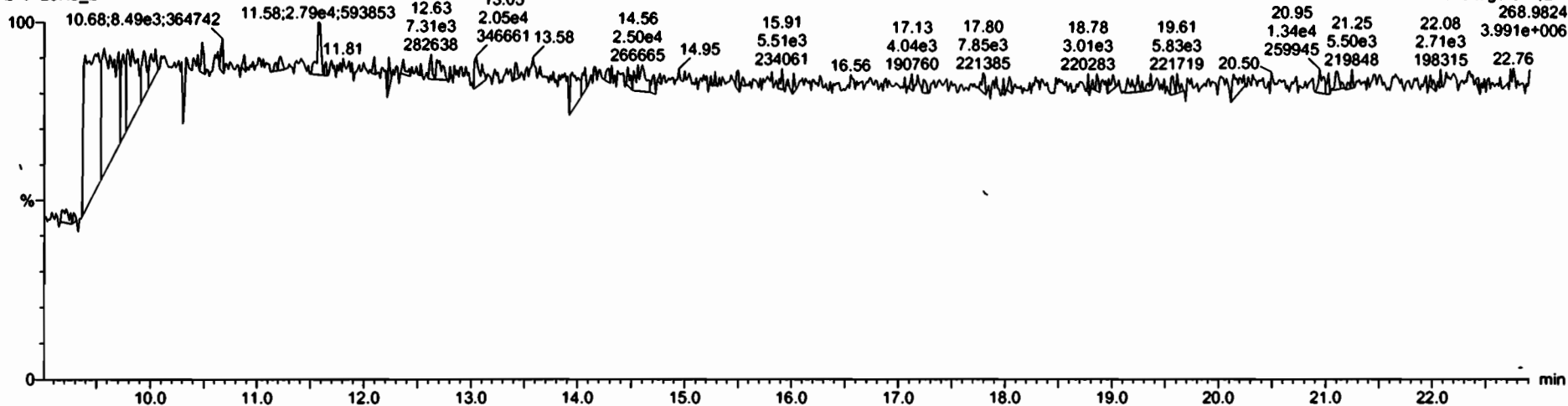
210420H5\_2



F2:Voltage SIR,EI+  
243.8551  
9.471e+005

PFK1

210420H5\_2



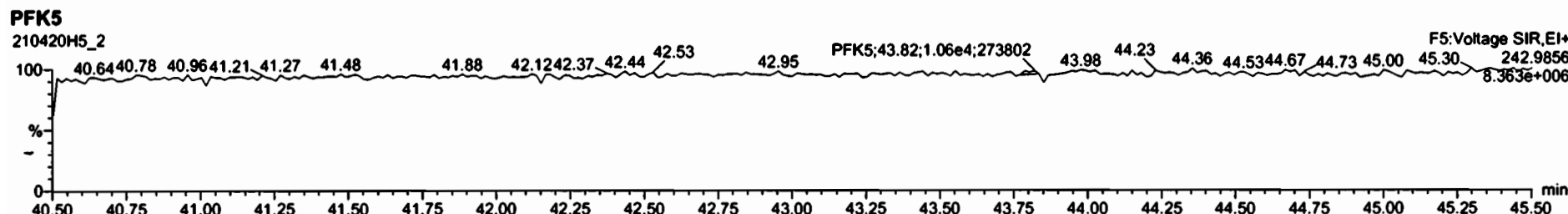
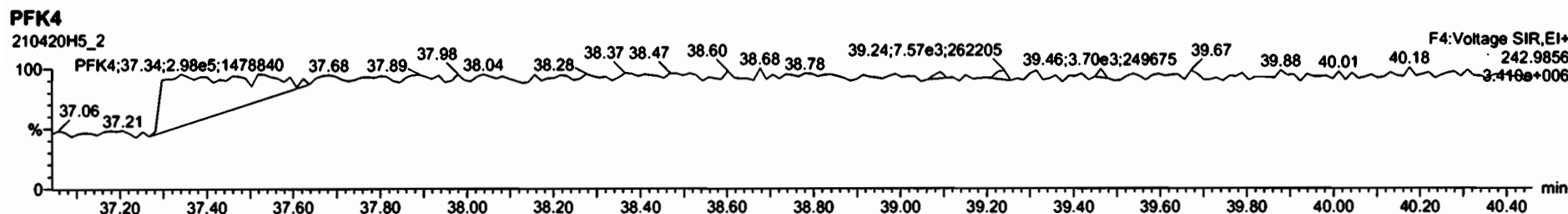
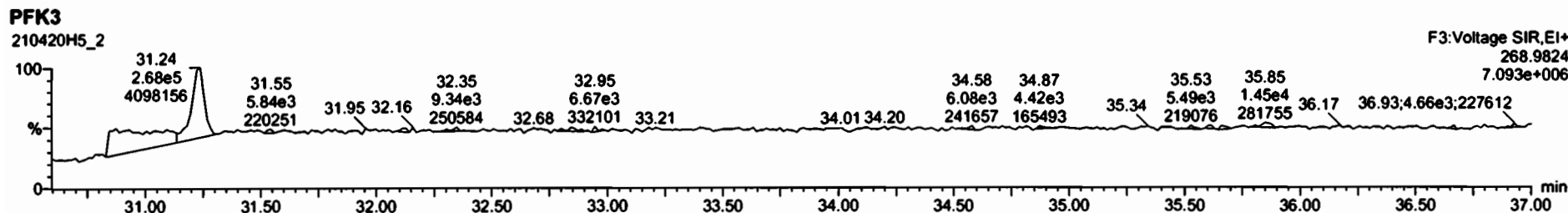
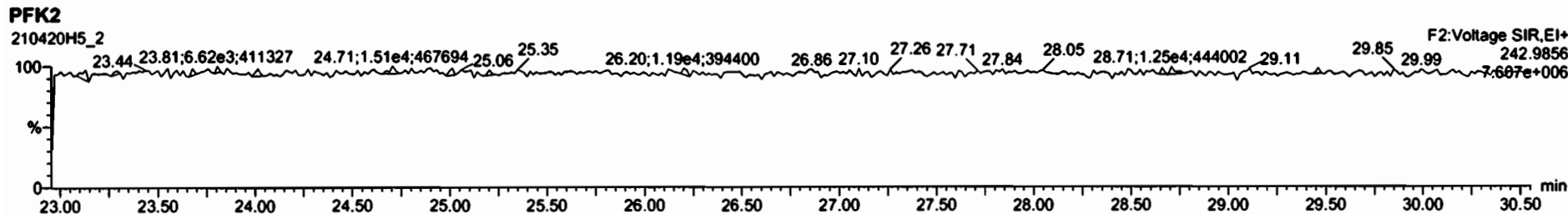
F1:Voltage SIR,EI+  
268.9824  
3.991e+006

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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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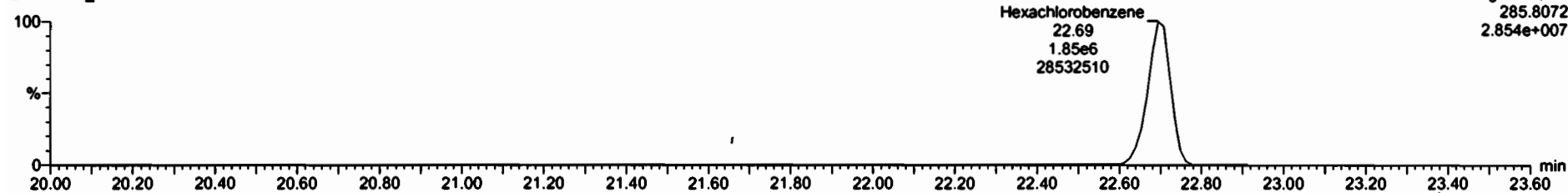
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**Hexachlorobenzene**

210420H5\_3



210420H5\_3

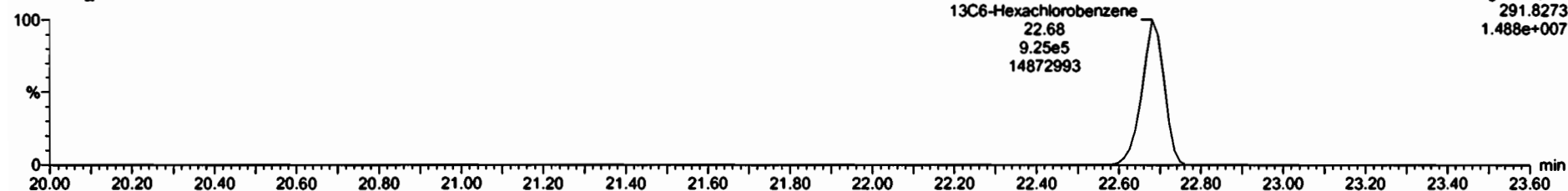


**<sup>13</sup>C6-Hexachlorobenzene**

210420H5\_3



210420H5\_3



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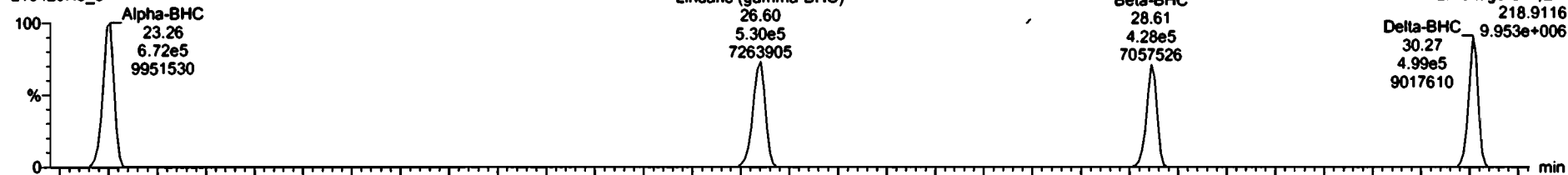
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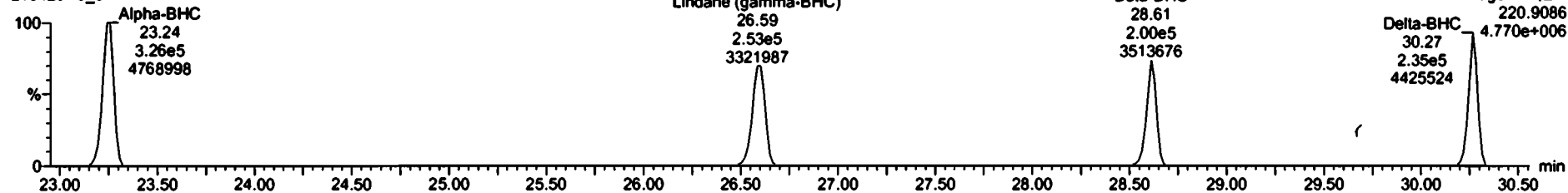
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**BHC Totals**

210420H5\_3

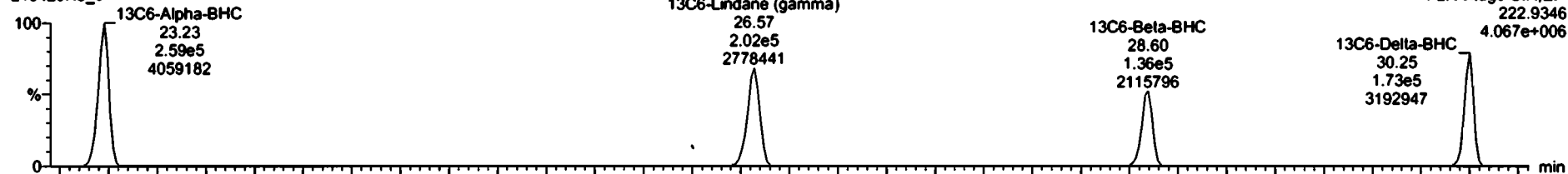


210420H5\_3

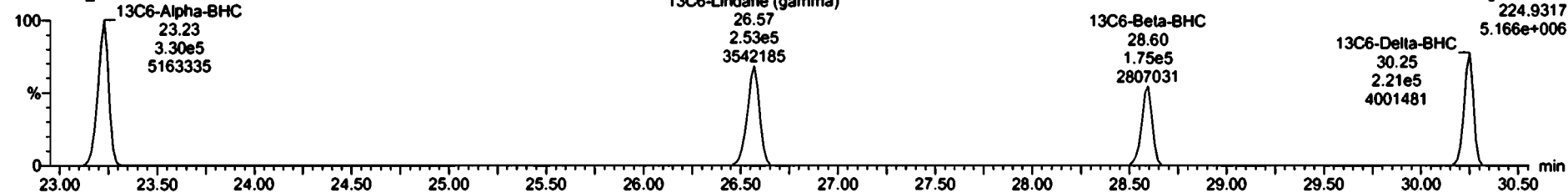


**BHC-isotopes**

210420H5\_3



210420H5\_3

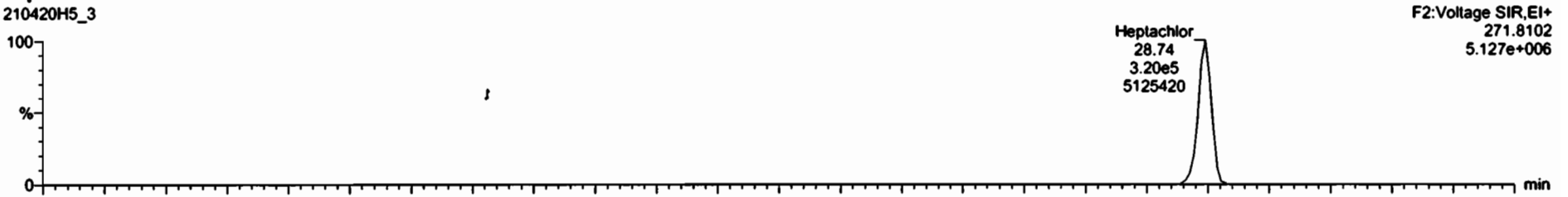


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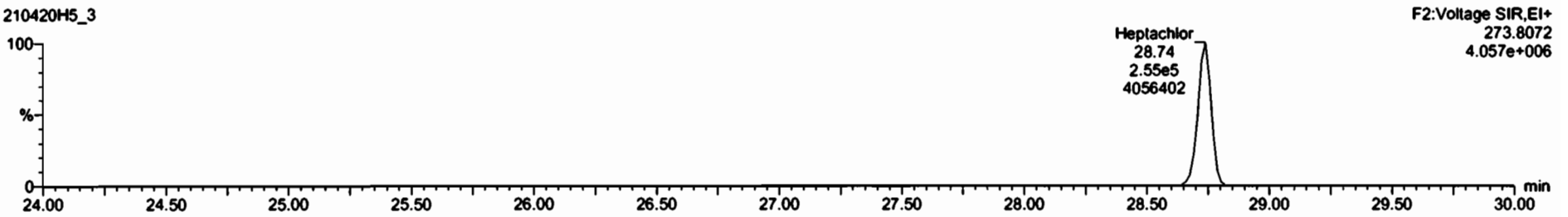
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**Heptachlor**  
210420H5\_3



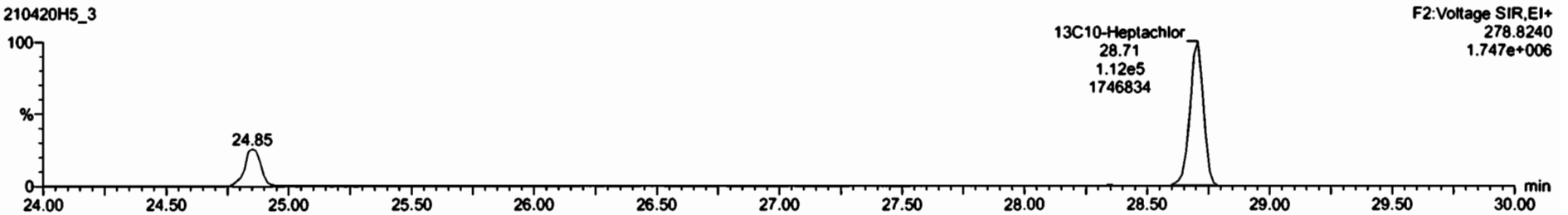
210420H5\_3



**13C10-Heptachlor**  
210420H5\_3



210420H5\_3



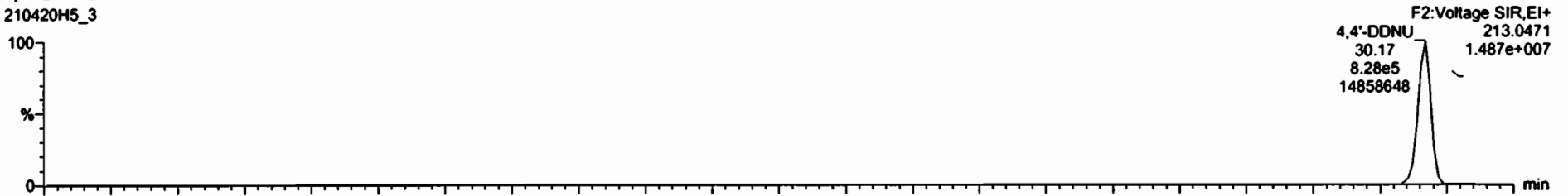


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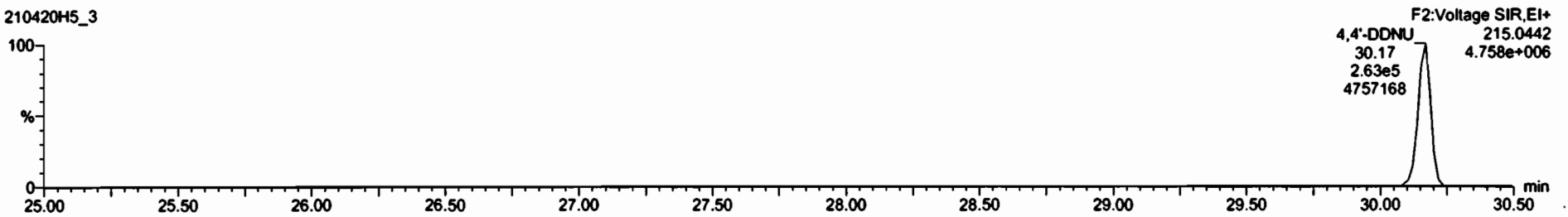
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4,4'-DDNU  
210420H5\_3



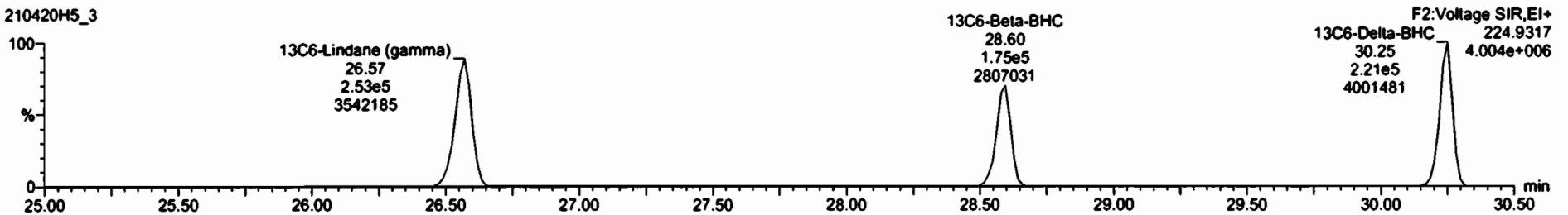
210420H5\_3



13C6-Delta-BHC  
210420H5\_3



210420H5\_3



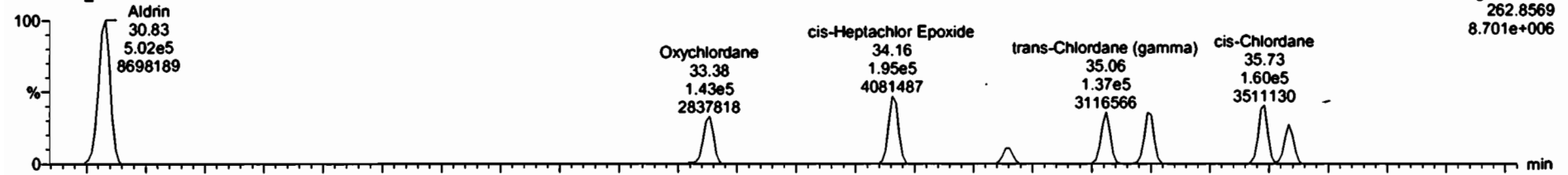
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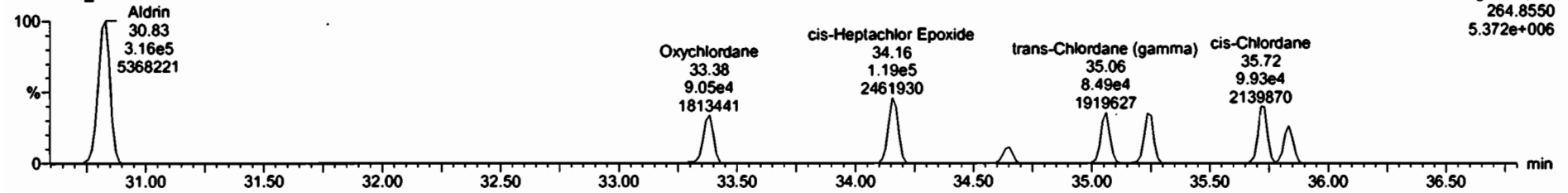
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**Aldrin-EI**

210420H5\_3

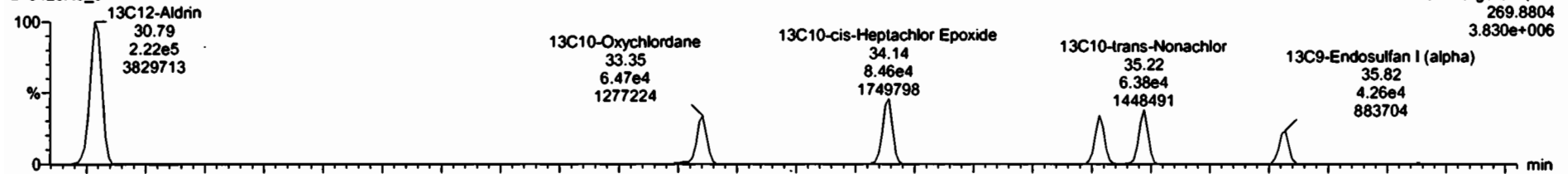


210420H5\_3

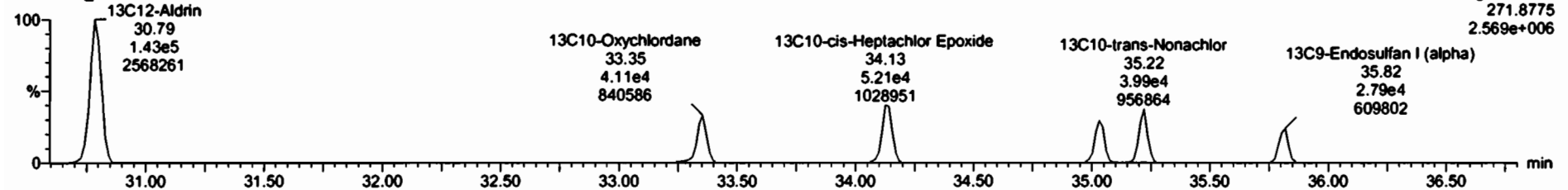


**Aldrin-EI-isotopes**

210420H5\_3



210420H5\_3



Dataset: Untitled

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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

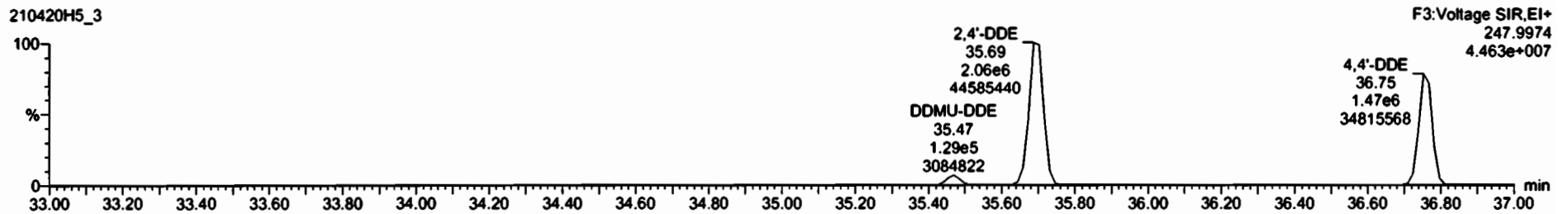
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**DDMU-DDE**

210420H5\_3



210420H5\_3

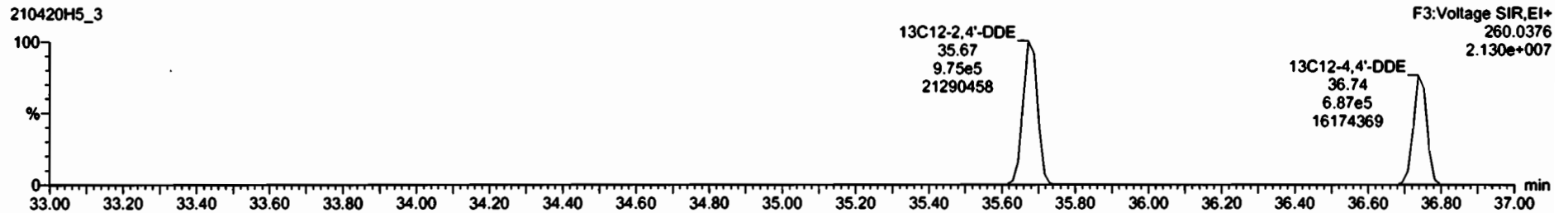


**DDE-isotopes**

210420H5\_3



210420H5\_3



Dataset: Untitled

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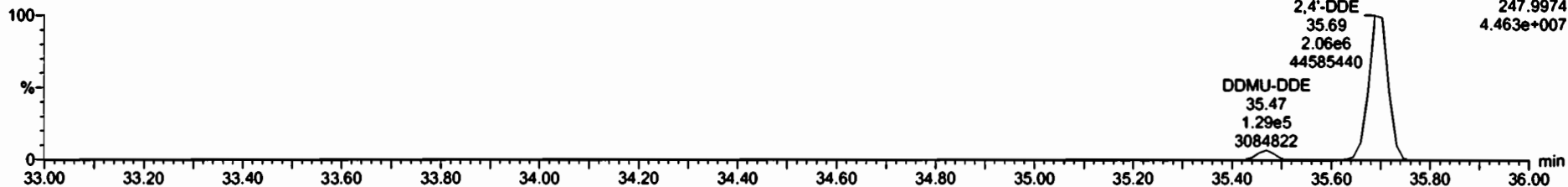
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2,4'-DDE

210420H5\_3



210420H5\_3

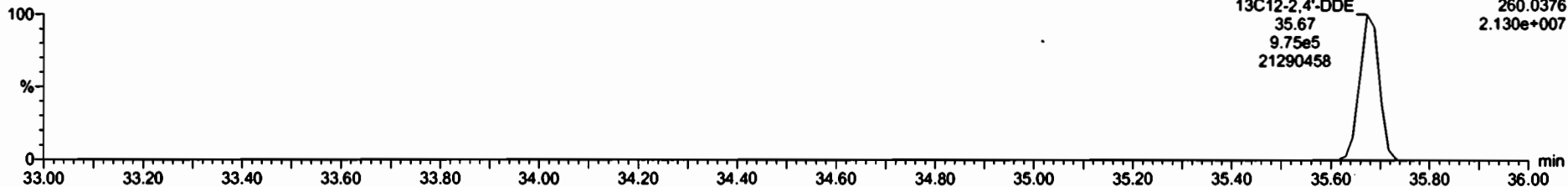


13C12-2,4'-DDE

210420H5\_3



210420H5\_3



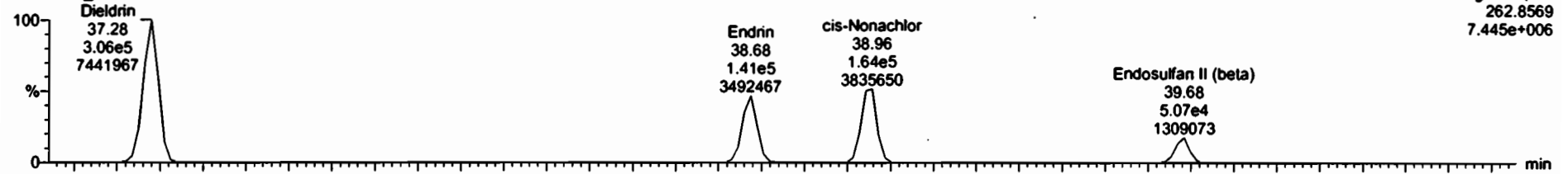
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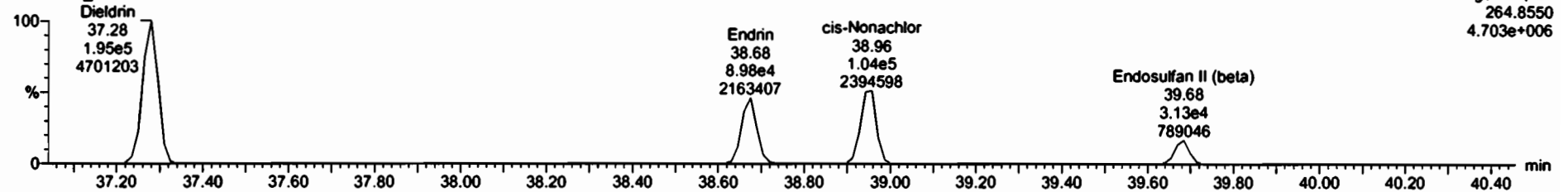
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Dieldrin-EII

210420H5\_3

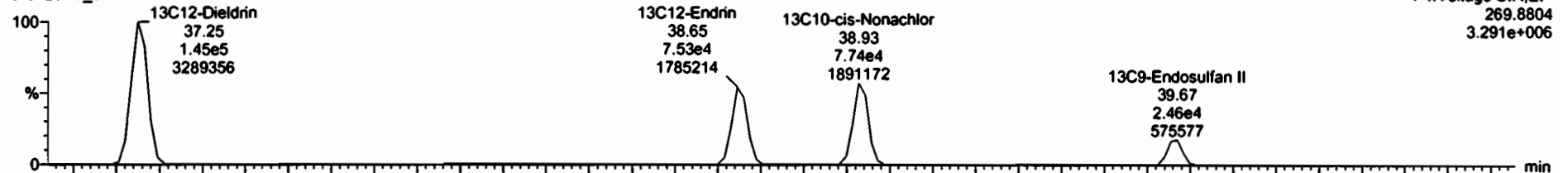


210420H5\_3

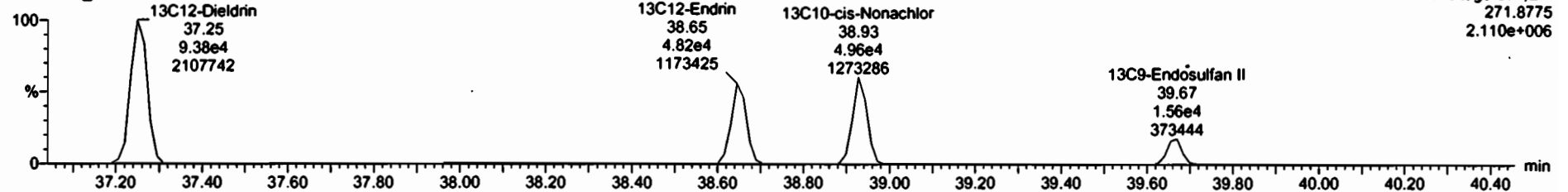


Dieldrin-EII-isotopes

210420H5\_3



210420H5\_3



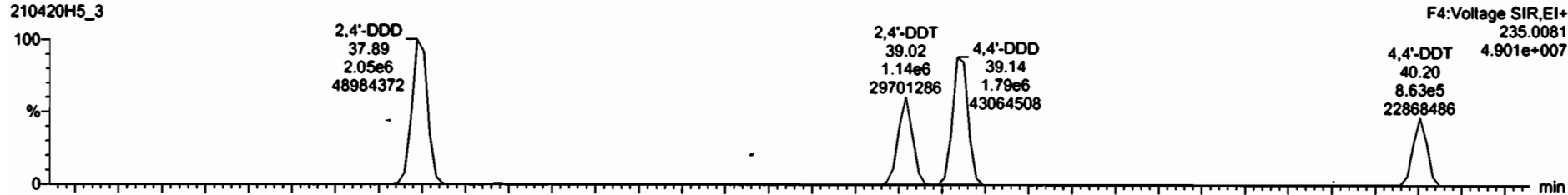
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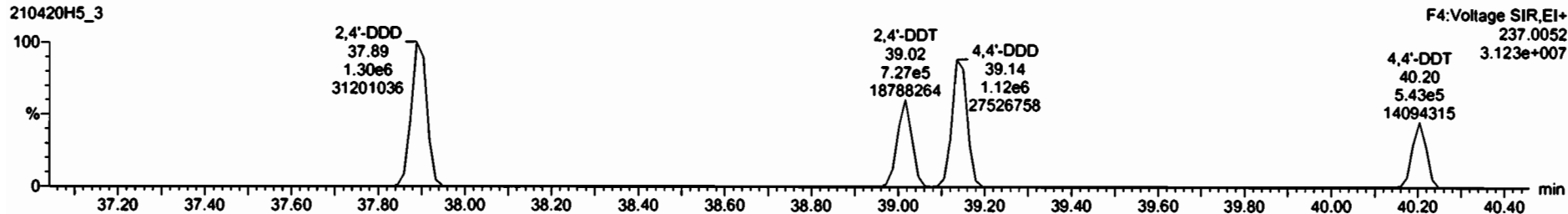
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DDD-DDT

210420H5\_3

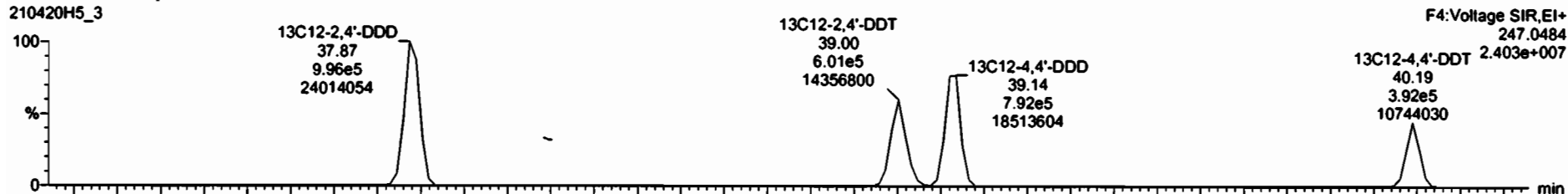


210420H5\_3

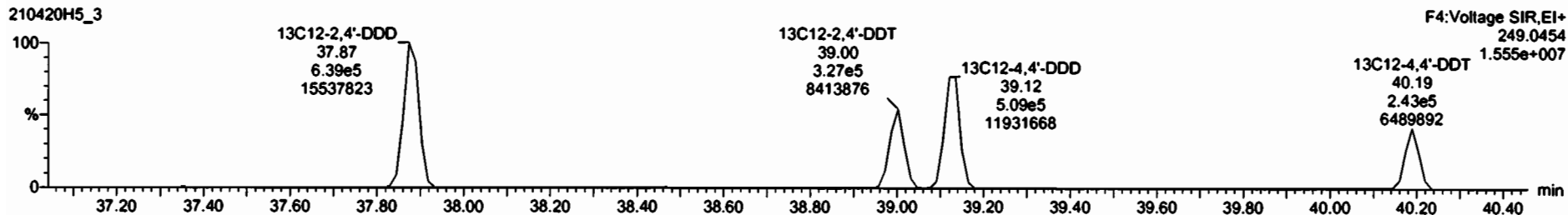


DDD-DDT-isotopes

210420H5\_3



210420H5\_3



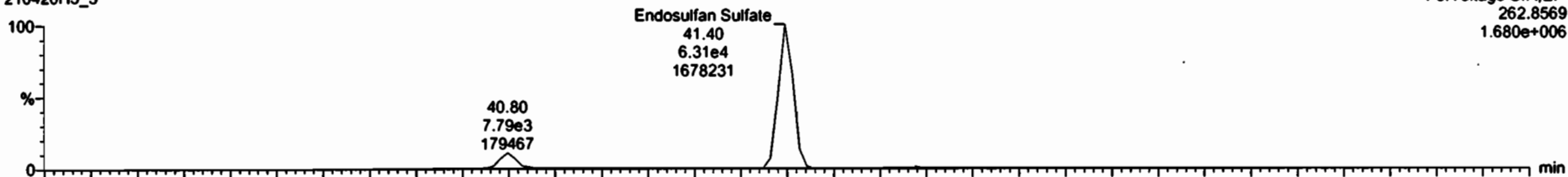
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

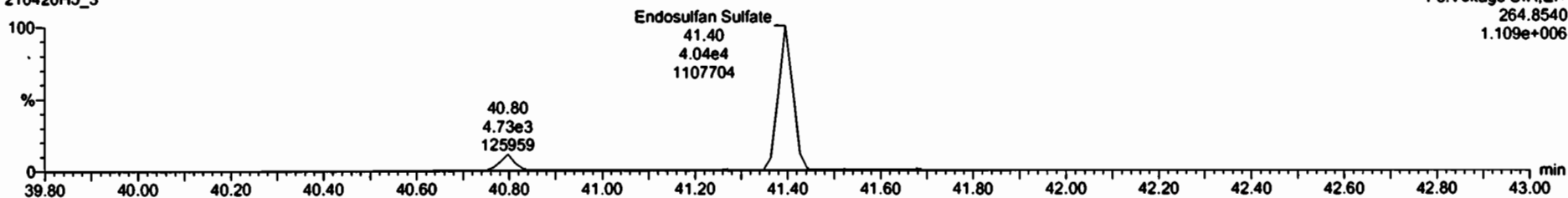
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Endosulfan Sulfate

210420H5\_3

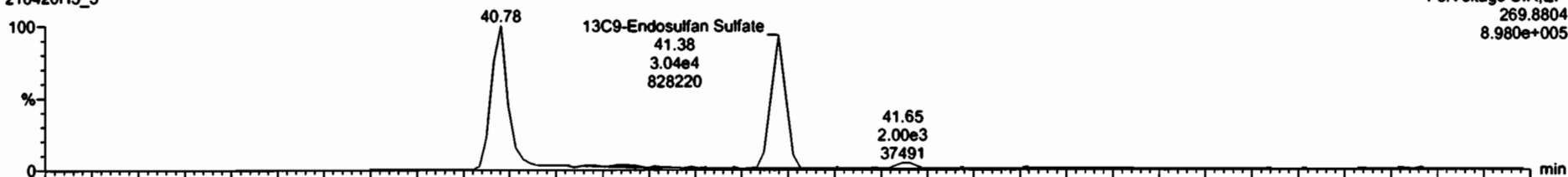


210420H5\_3

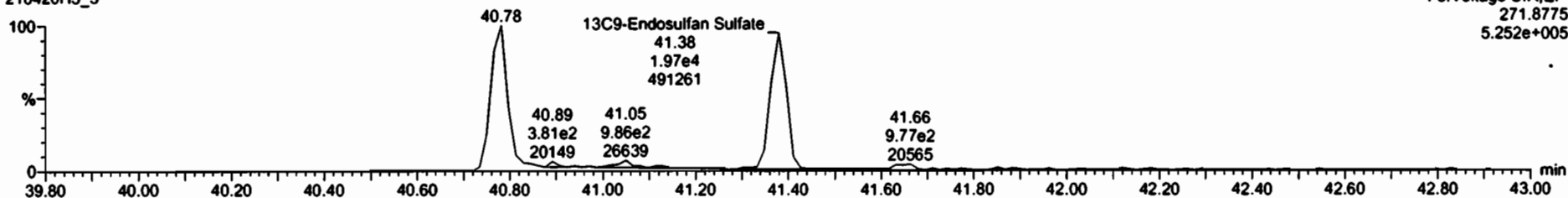


13C9-Endosulfan Sulfate

210420H5\_3



210420H5\_3



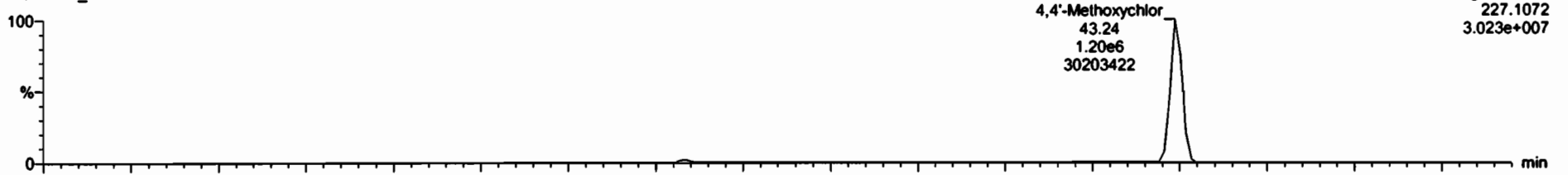
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

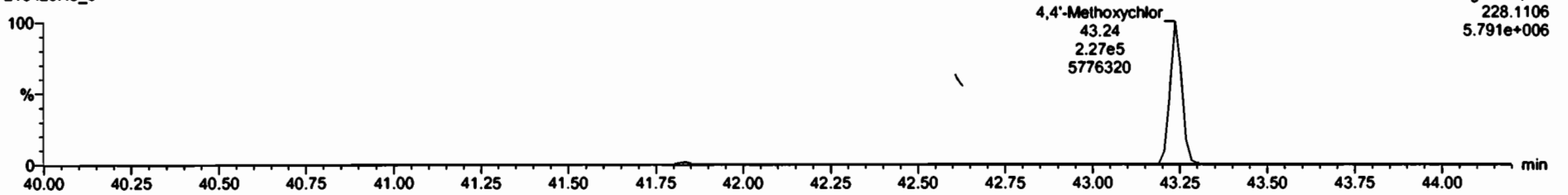
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**4,4'-Methoxychlor**

210420H5\_3

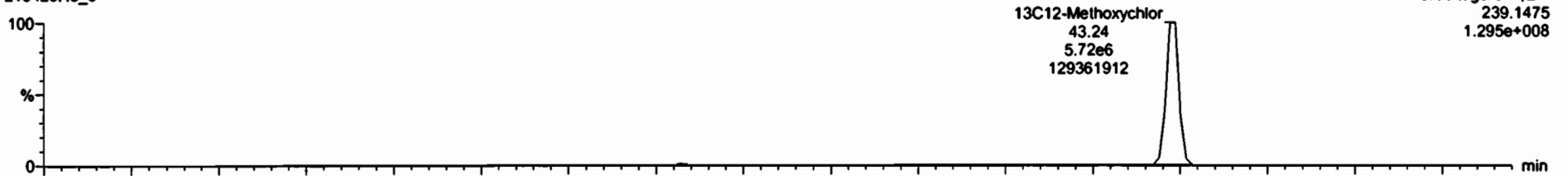


210420H5\_3

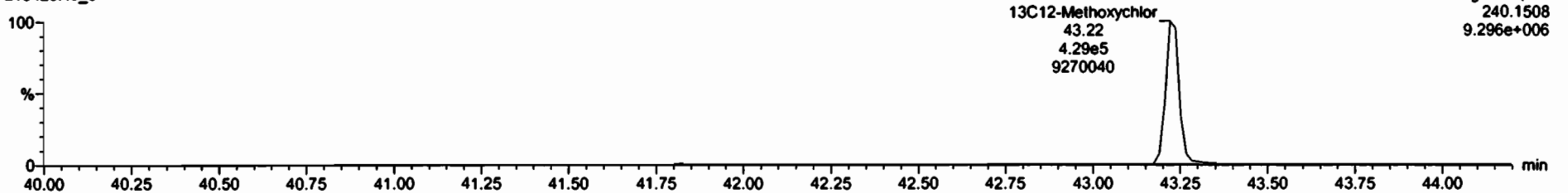


**13C12-Methoxychlor**

210420H5\_3



210420H5\_3

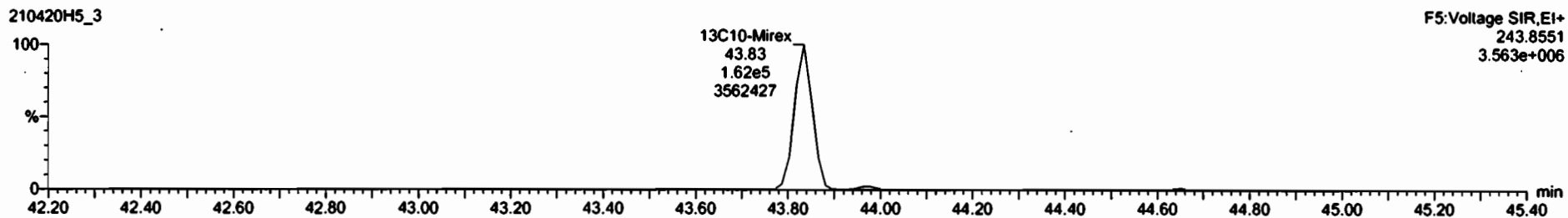
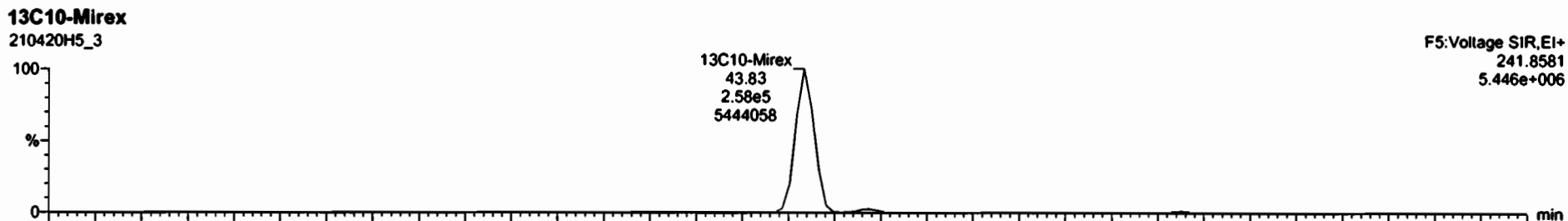
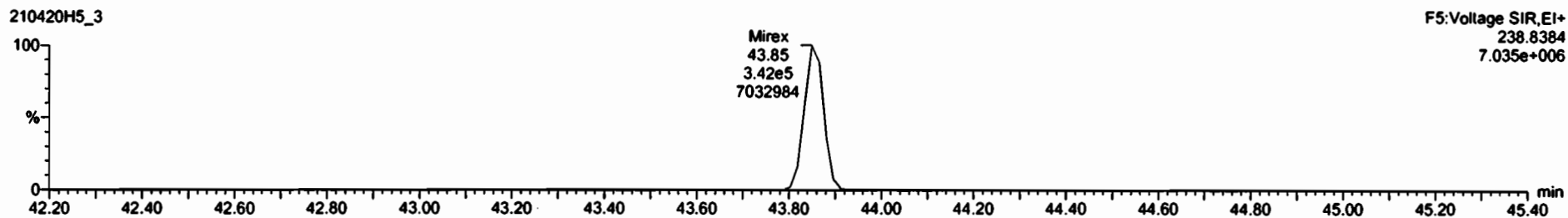
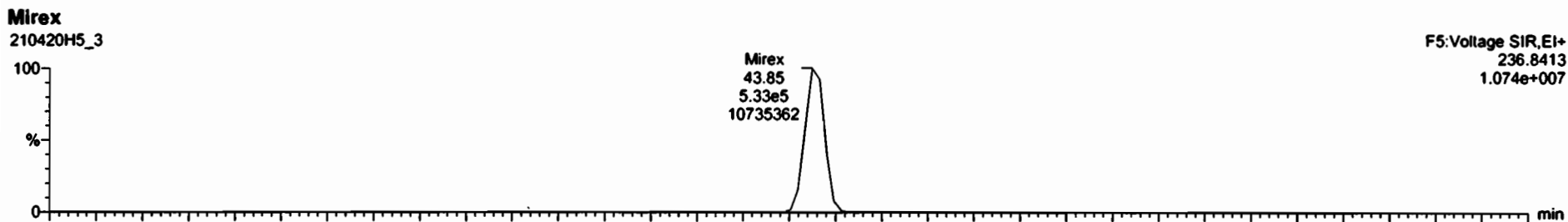




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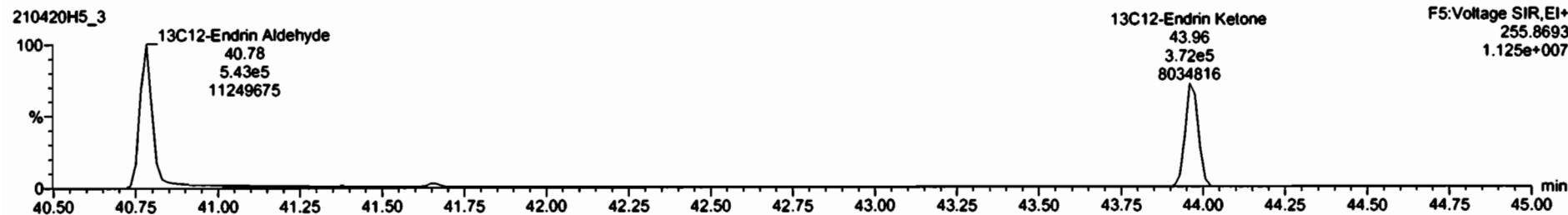
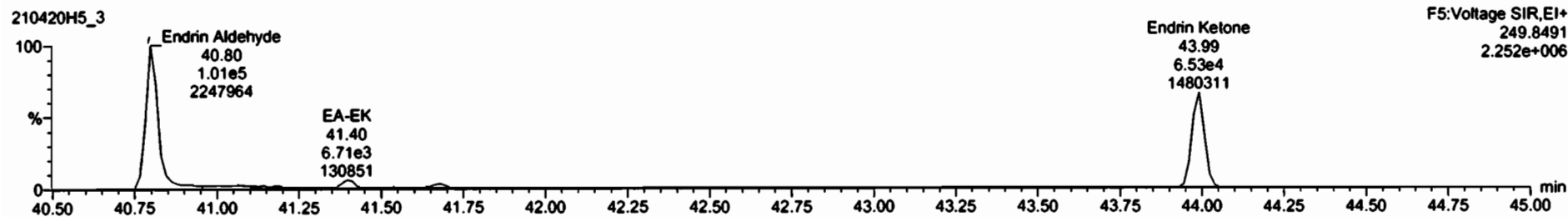
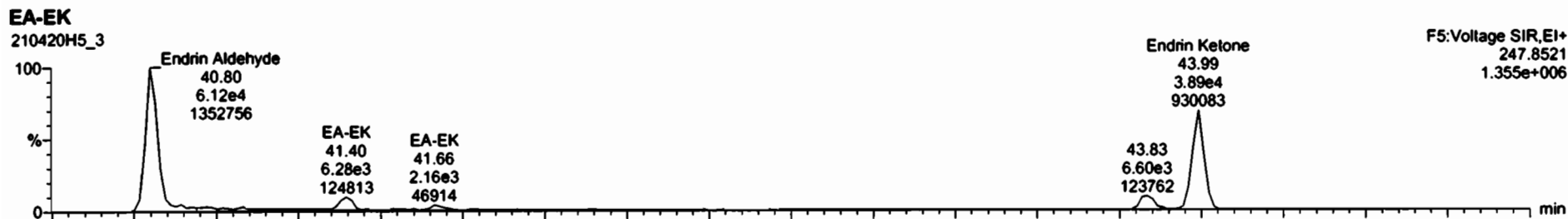
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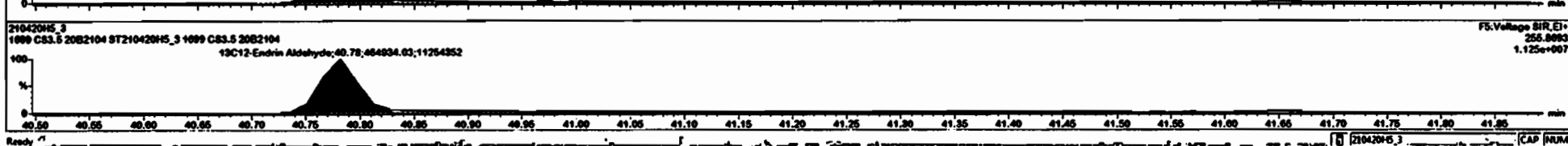
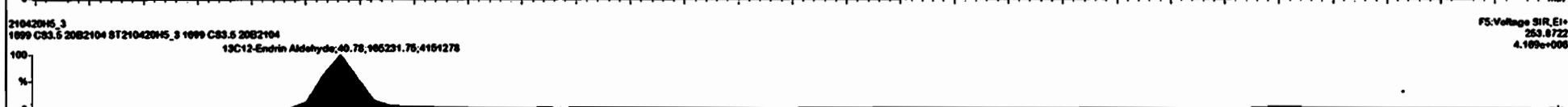
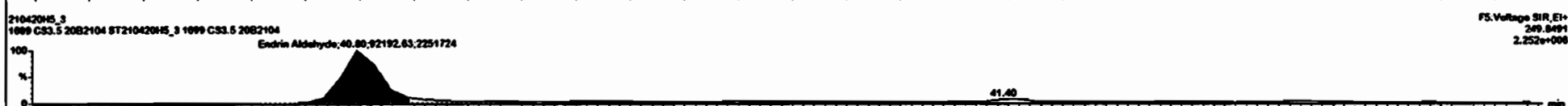
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RT	Area	IS Area	Std Conc	%Dev	%RSD	Wt %	Int SD
31	1.4825e5	6.2817e5	100.000	-0.4	0.51	1.00	0.101
32	1.0425e5	5.0600e5	100.000	-1.1	0.39	1.04	0.0673
33	4.0197e6	2.4818e6	500.000	-17.0	21.9	0.107	0.0414
34	2.1130e5	2.4818e6	50.000	-3.9	5.14	0.054	0.0460
35	5.8924e5	2.4818e6	50.000	-4.1	5.23	0.249	0.0121
36	4.5546e5	2.4818e6	50.000	-2.4	4.57	0.190	0.00867
37	3.1128e5	2.4818e6	50.000	-3.3	5.53	0.131	0.00723
38	3.8392e5	2.4818e6	50.000	-3.7	7.50	0.165	0.0124
39	2.5784e5	2.4818e6	50.000	-1.0	7.46	0.106	0.00793
40	3.6481e5	2.4818e6	50.000	-2.0	4.78	0.152	0.00724
41	1.0581e5	2.4818e6	50.000	-2.5	5.80	0.0441	0.00256
42	1.3885e5	2.4818e6	50.000	-3.3	3.68	0.0574	0.00211
43	9.4175e4	2.4818e6	50.000	-1.9	5.58	0.0380	0.00217
44	1.0289e5	1.4129e6	50.000	-4.9	3.81	0.0772	0.00278
45	7.0488e4	1.4129e6	50.000	-7.0	14.8	0.0541	0.00788
46	2.5158e4	1.4129e6	50.000	-3.2	2.47	1.84	0.0455
47	1.7862e4	1.4129e6	50.000	-3.2	3.15	1.31	0.0411
48	2.3833e5	1.4129e6	50.000	-4.4	3.10	0.177	0.00550
49	1.2354e5	1.4129e6	50.000	5.0	18.9	0.0628	0.0157
50	1.2884e5	1.4129e6	50.000	-1.0	6.26	0.0908	0.00568



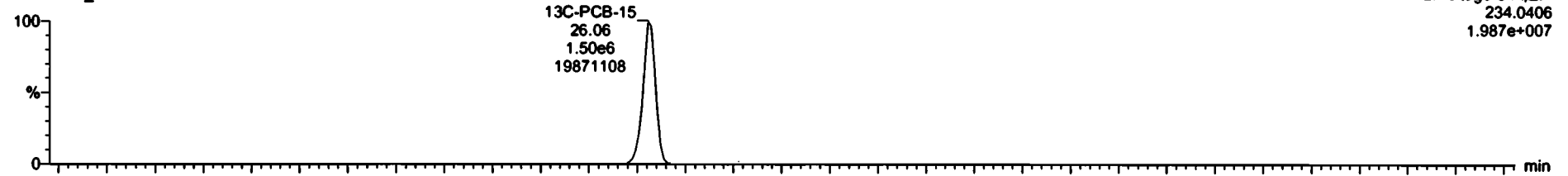
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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

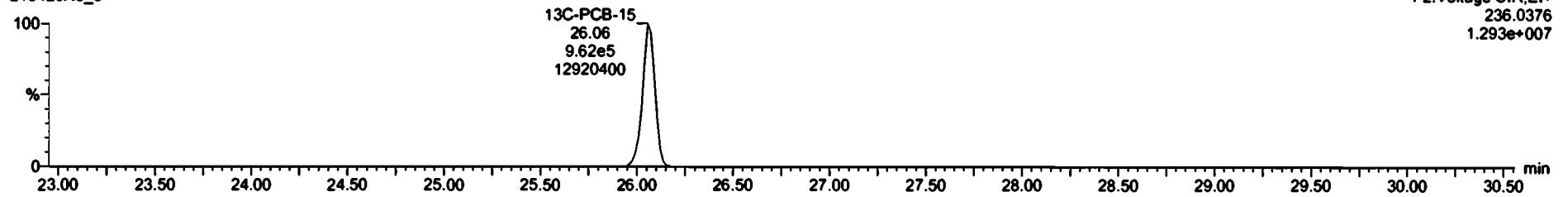
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13C-PCB-15

210420H5\_3



210420H5\_3

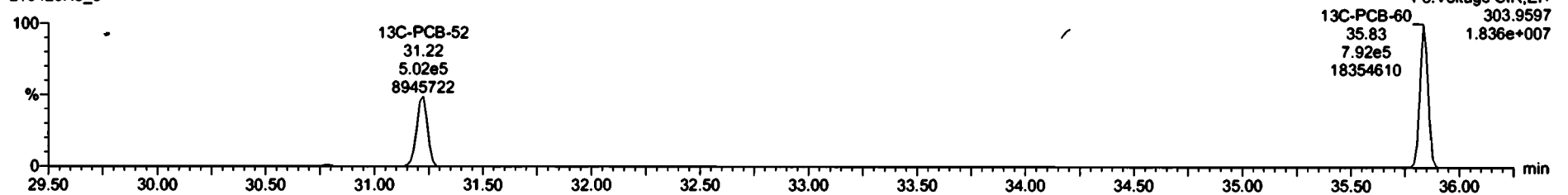


13C-PCB-60

210420H5\_3



210420H5\_3



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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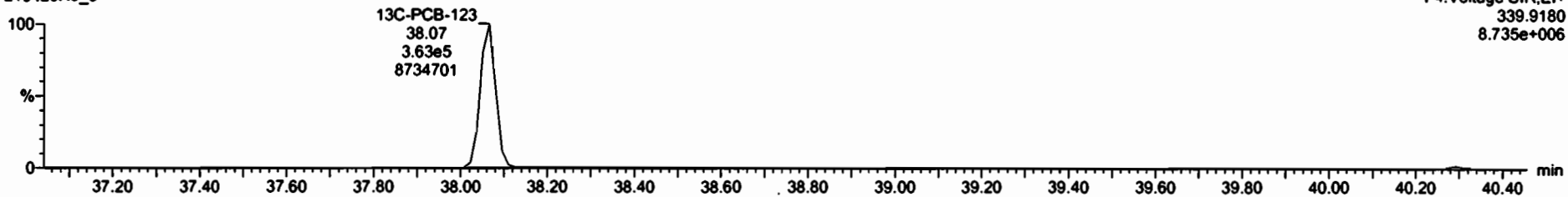
13C-PCB-123

210420H5\_3



F4:Voltage SIR,EI+  
337.9210  
1.387e+007

210420H5\_3



F4:Voltage SIR,EI+  
339.9180  
8.735e+006

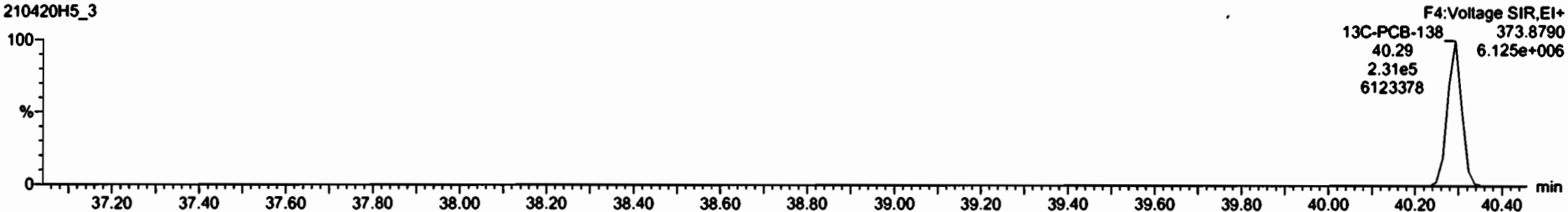
13C-PCB-138

210420H5\_3



F4:Voltage SIR,EI+  
371.8820  
7.532e+006

210420H5\_3



F4:Voltage SIR,EI+  
373.8790  
6.125e+006

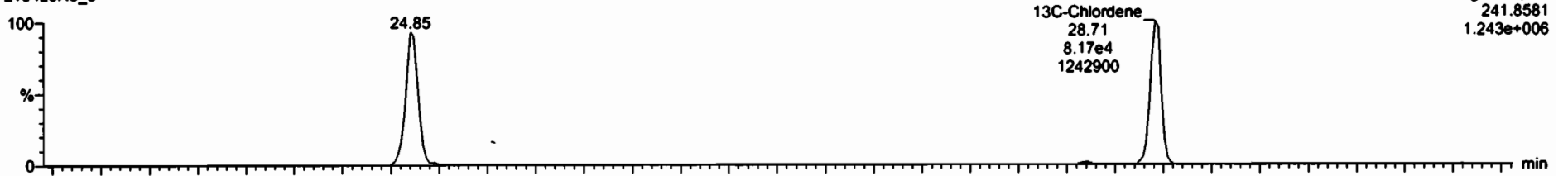
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

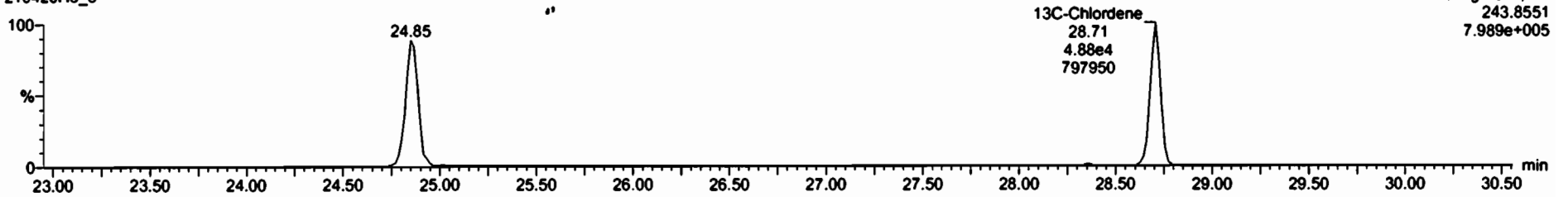
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13C-Chlordene

210420H5\_3

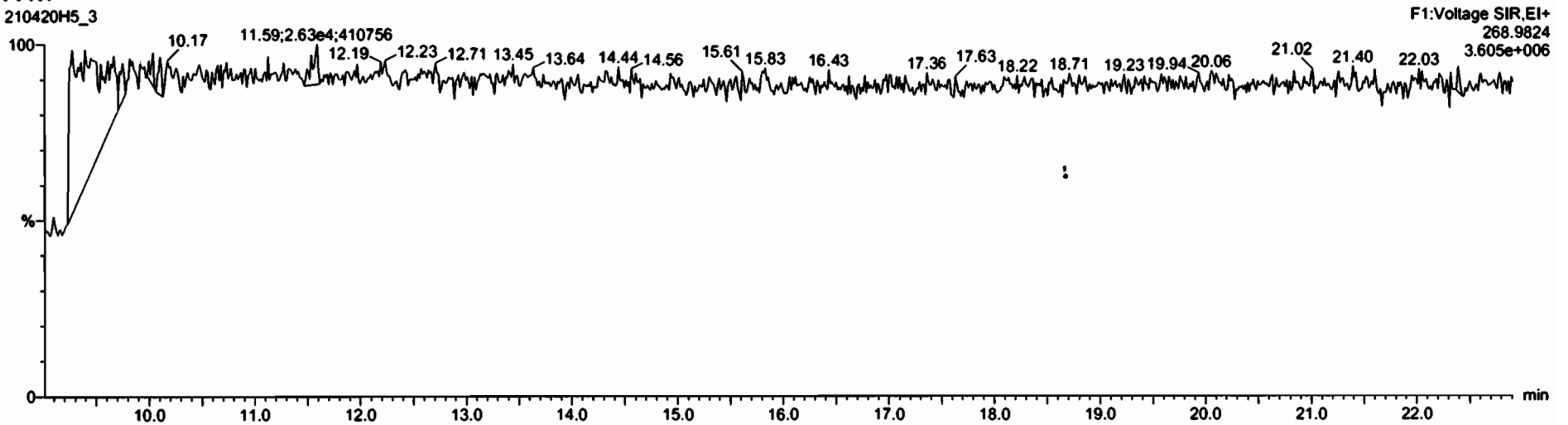


210420H5\_3



PFK1

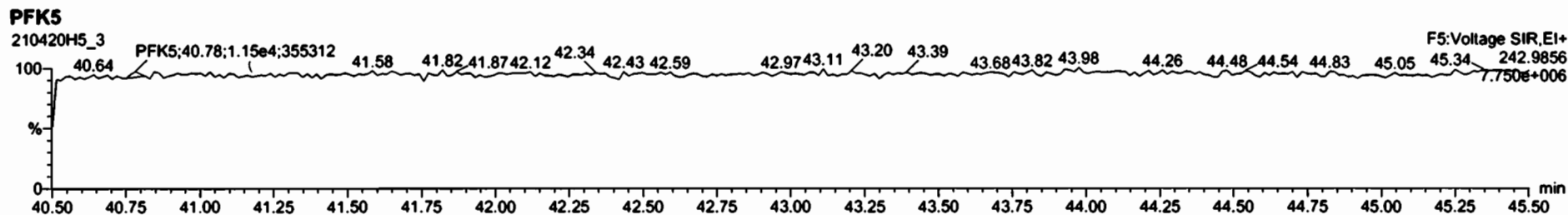
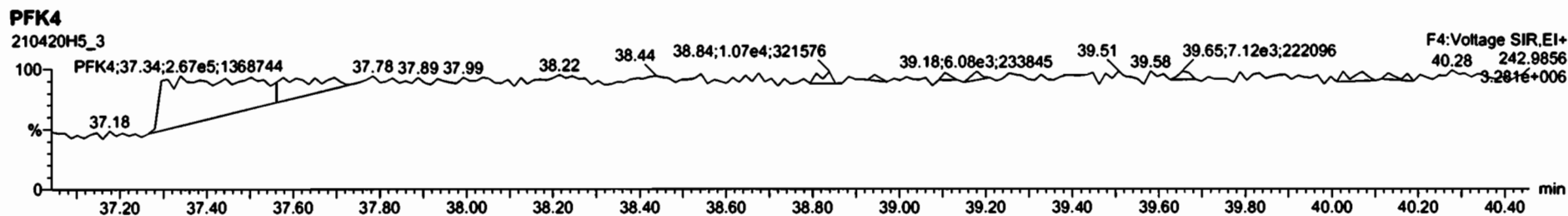
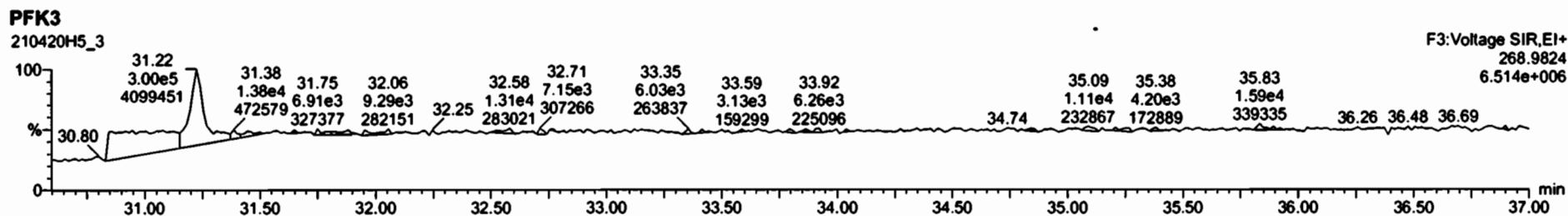
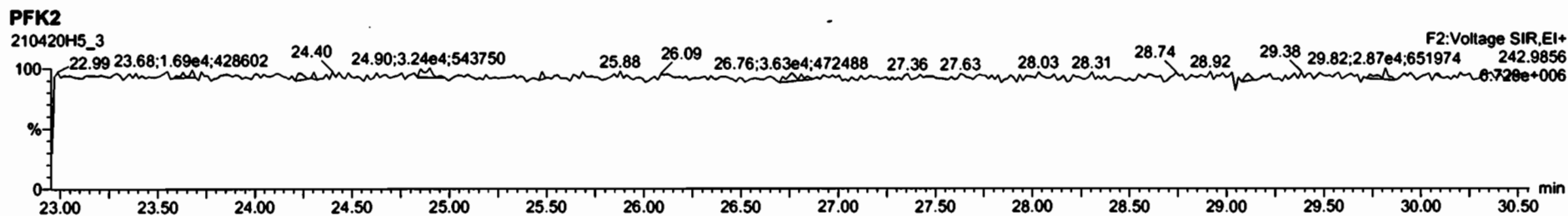
210420H5\_3



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
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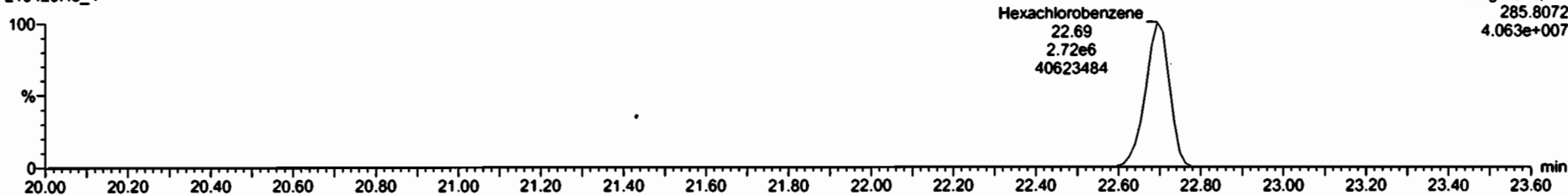
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Hexachlorobenzene

210420H5\_4



210420H5\_4

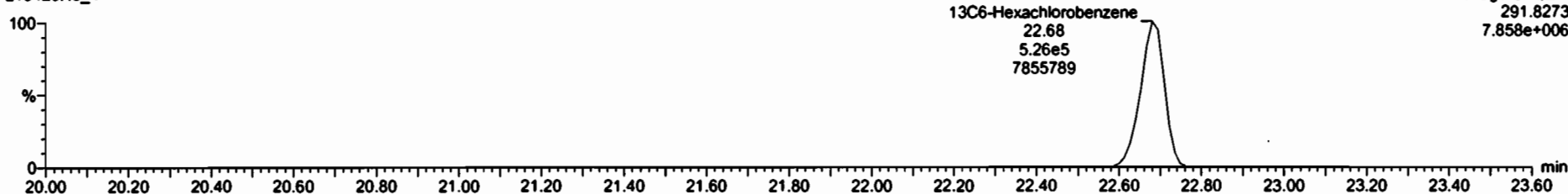


13C6-Hexachlorobenzene

210420H5\_4



210420H5\_4





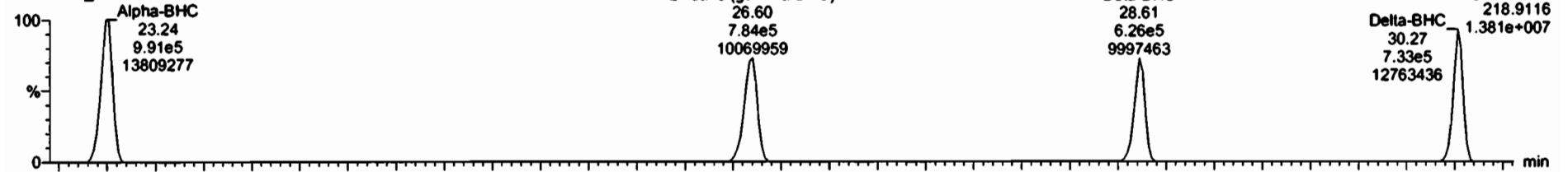
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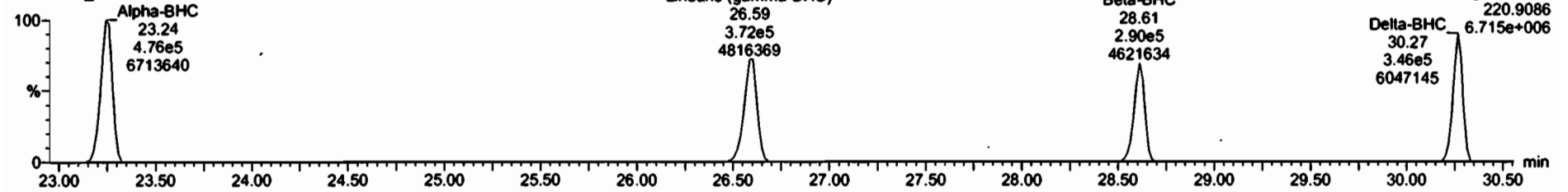
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**BHC Totals**

210420H5\_4

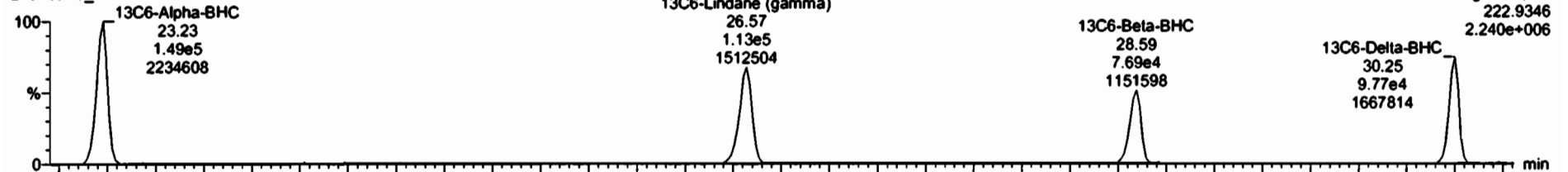


210420H5\_4

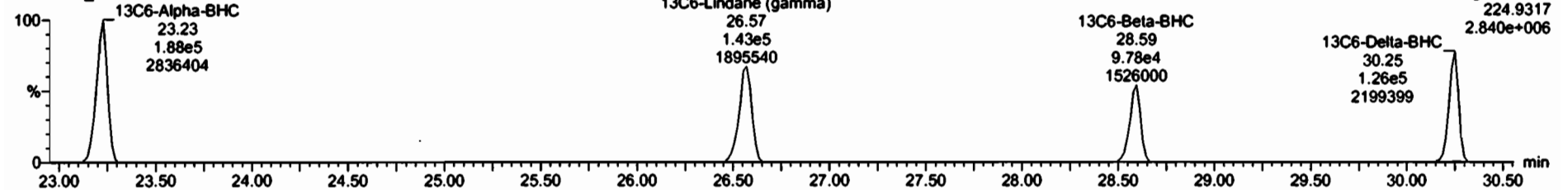


**BHC-isotopes**

210420H5\_4



210420H5\_4

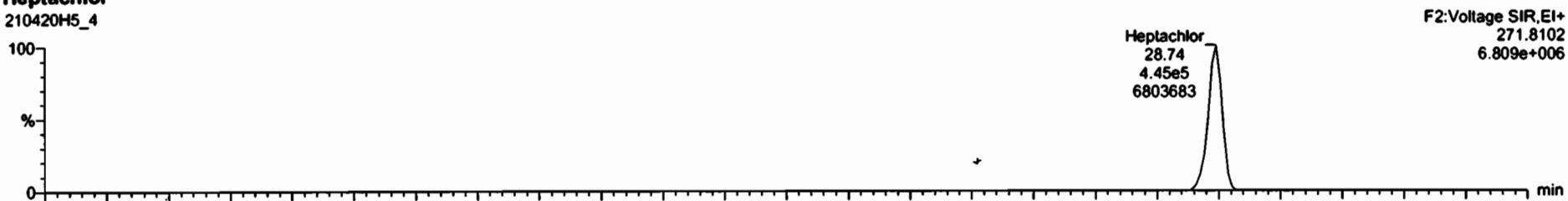


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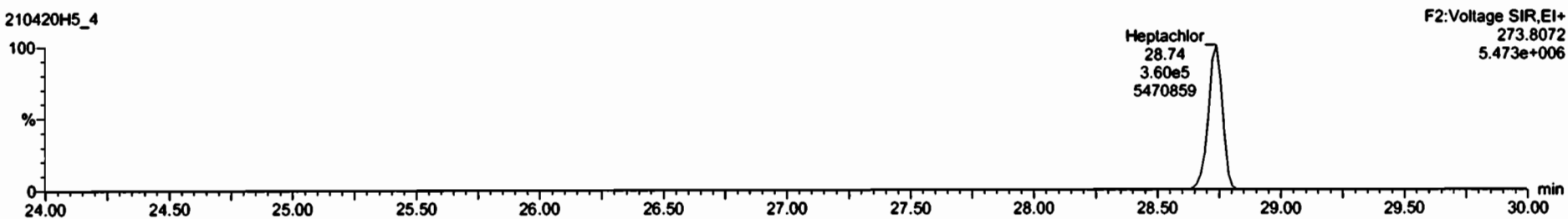
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**Heptachlor**  
210420H5\_4



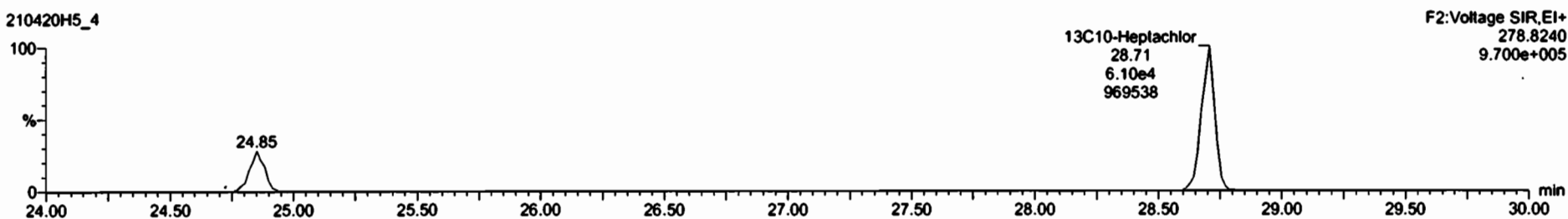
210420H5\_4



**13C10-Heptachlor**  
210420H5\_4



210420H5\_4



Dataset: Untitled

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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

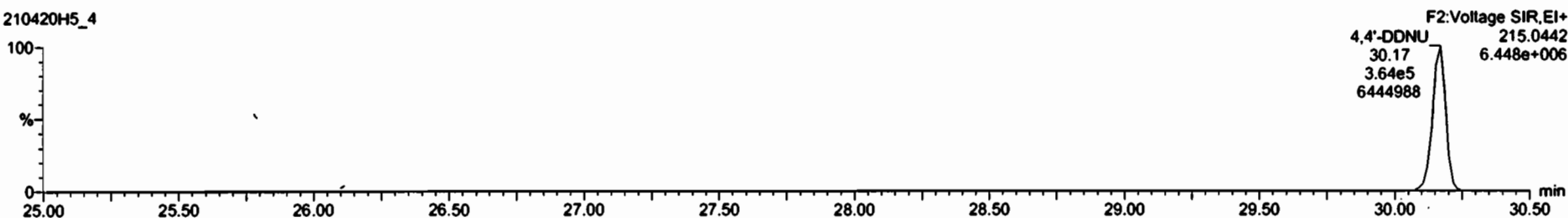
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4,4'-DDNU

210420H5\_4



210420H5\_4

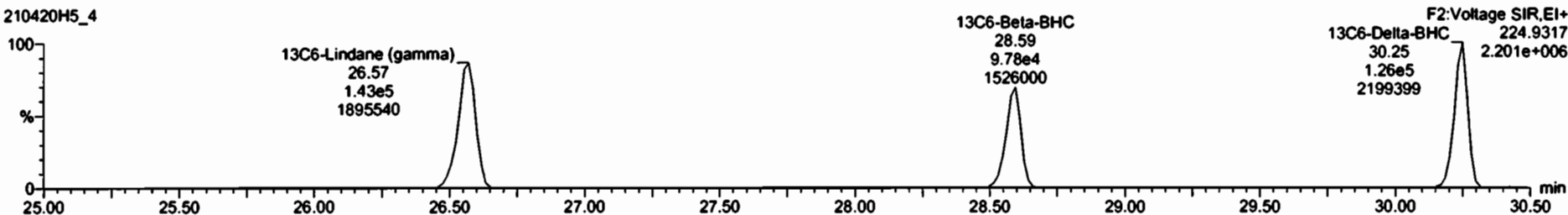


13C6-Delta-BHC

210420H5\_4



210420H5\_4



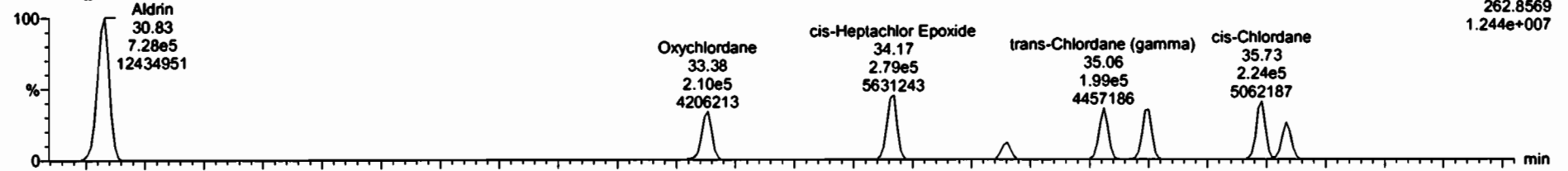
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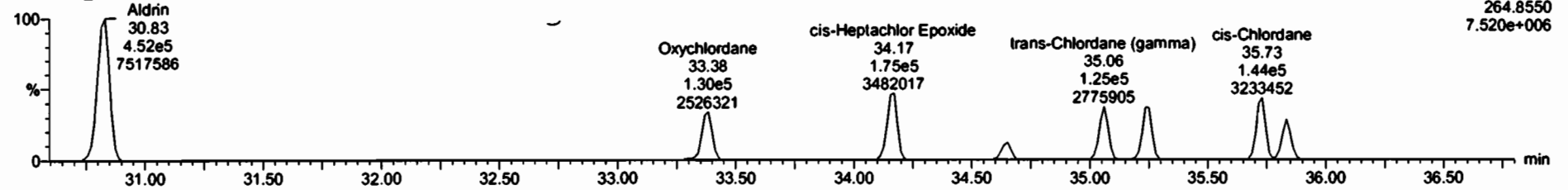
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**Aldrin-EI**

210420H5\_4

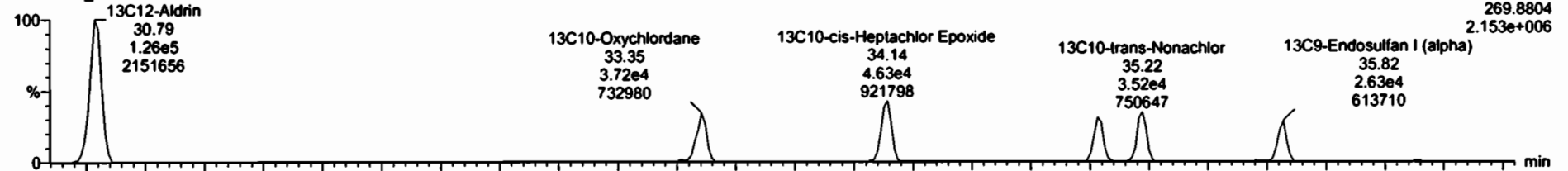


210420H5\_4

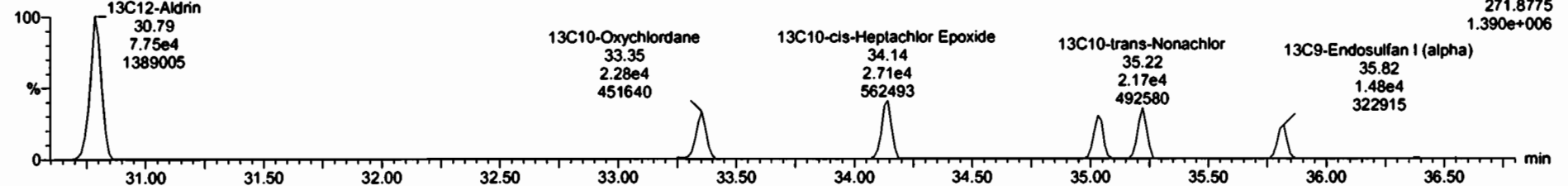


**Aldrin-EI-isotopes**

210420H5\_4



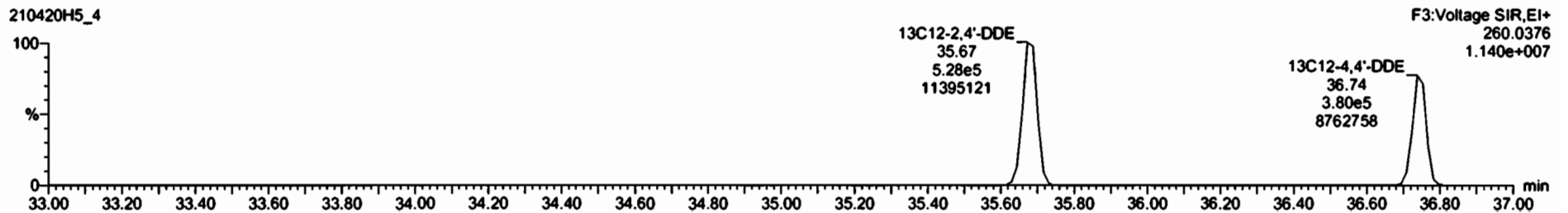
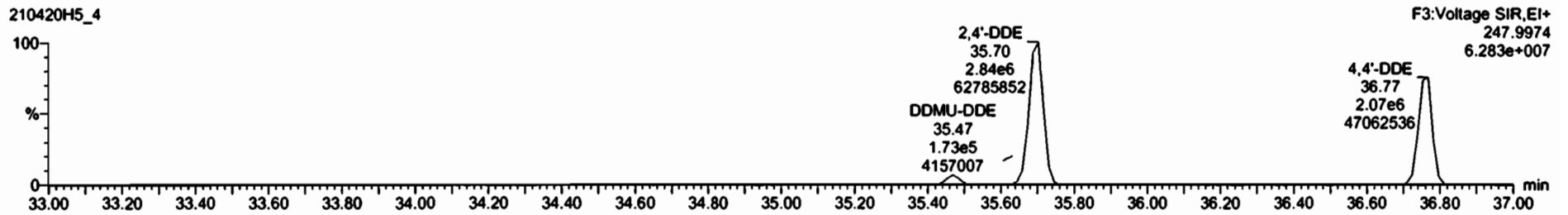
210420H5\_4



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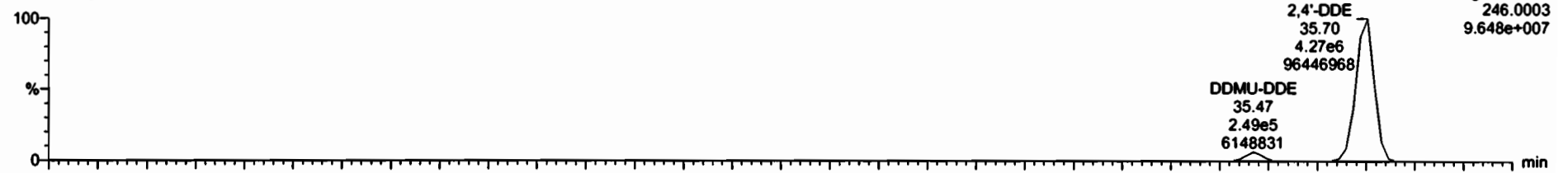
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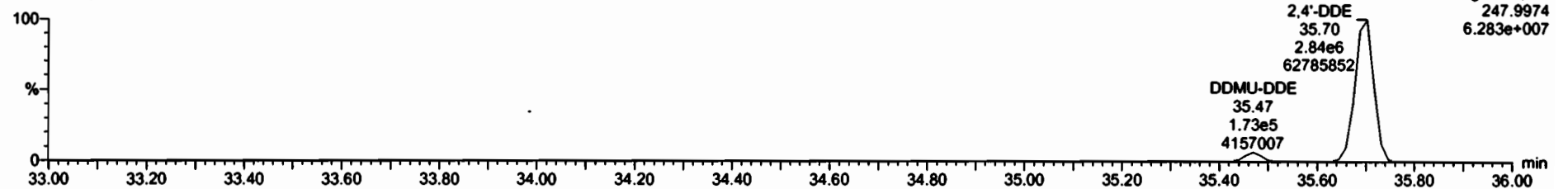
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**2,4'-DDE**

210420H5\_4

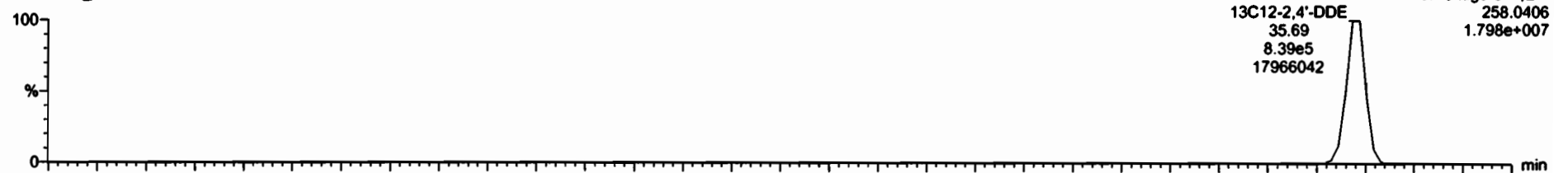


210420H5\_4

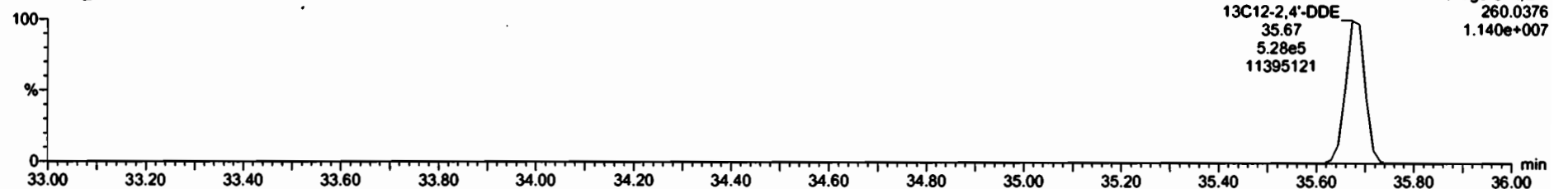


**13C12-2,4'-DDE**

210420H5\_4



210420H5\_4



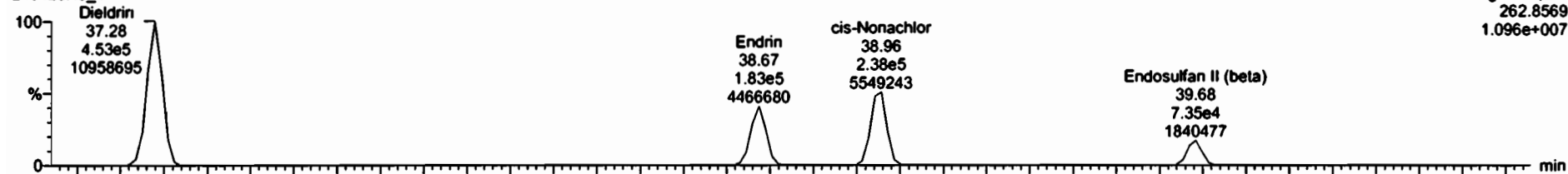
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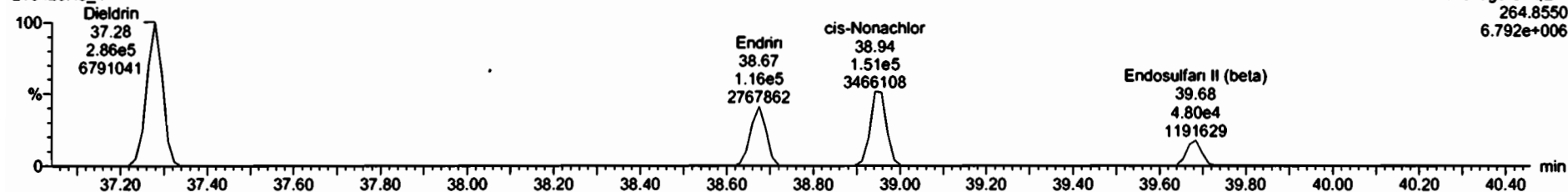
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Dieldrin-EI1

210420H5\_4

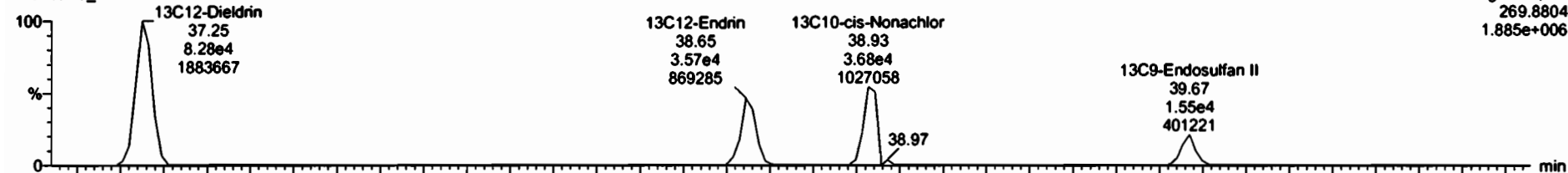


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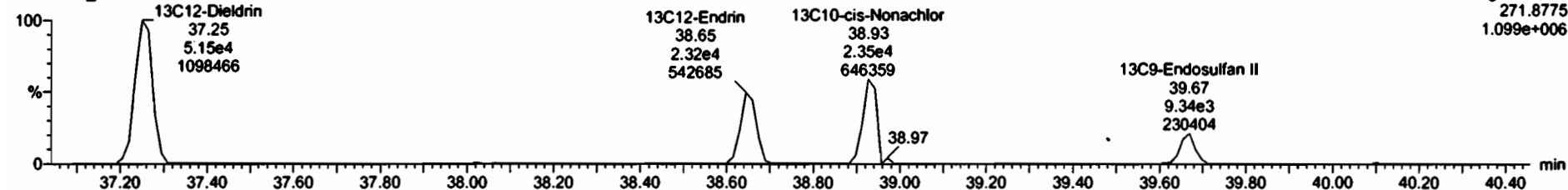


Dieldrin-EI1-isotopes

210420H5\_4



210420H5\_4



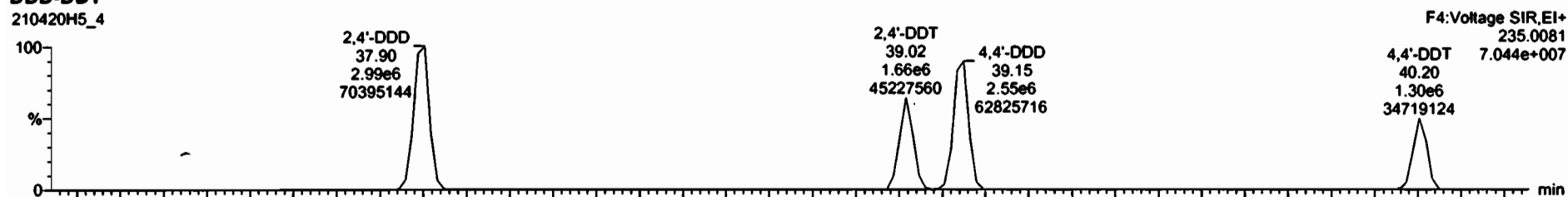
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

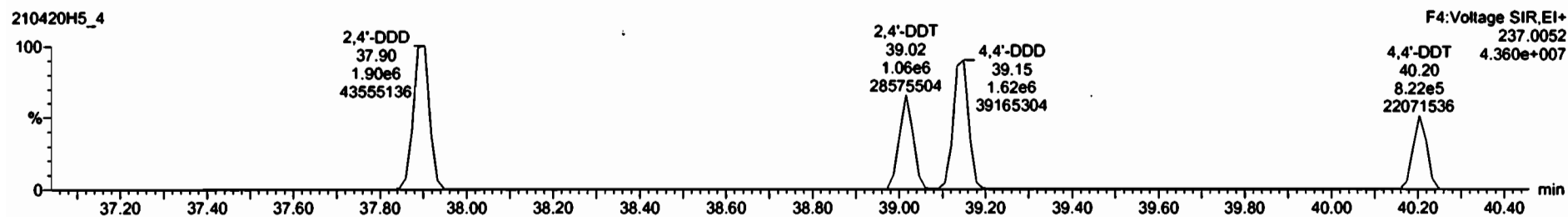
Name: 210420H5\_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5\_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902

DDD-DDT

210420H5\_4

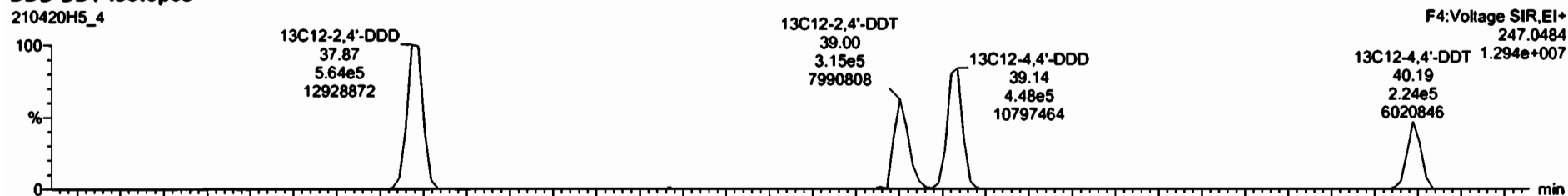


210420H5\_4

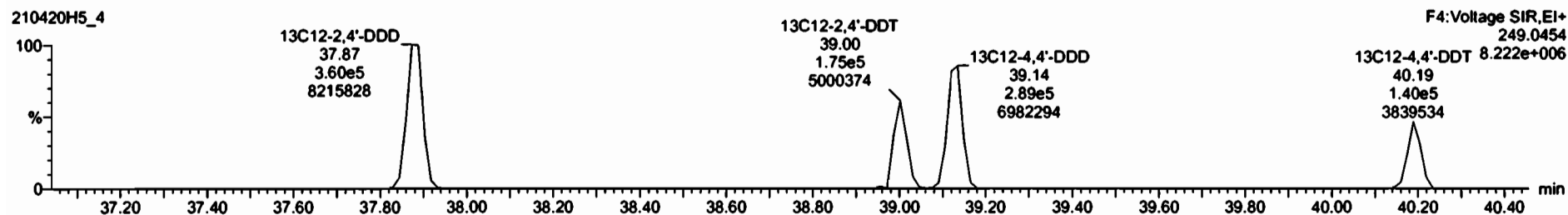


DDD-DDT-isotopes

210420H5\_4



210420H5\_4





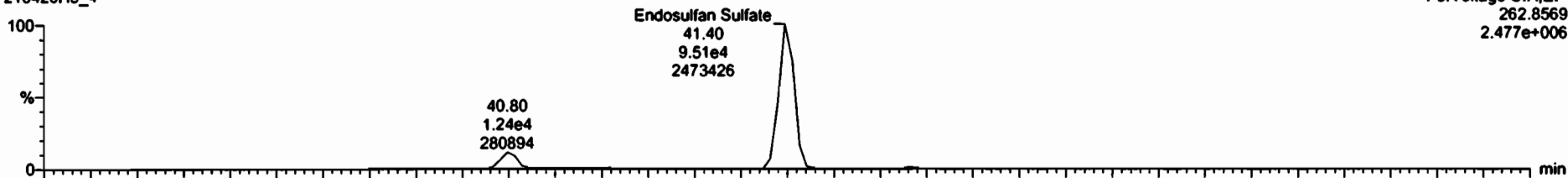
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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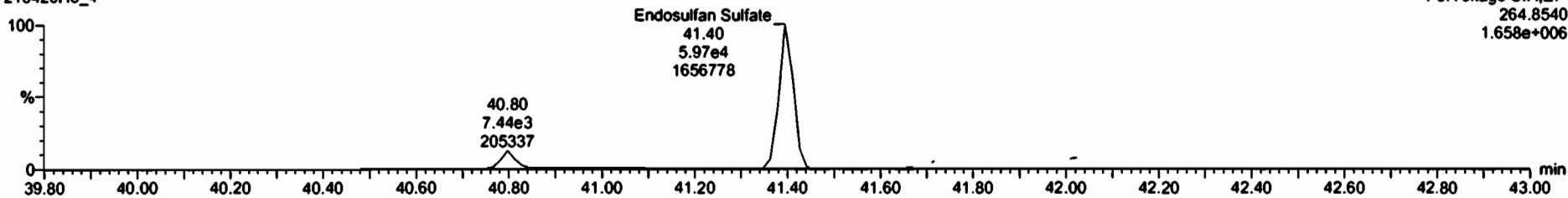
**Endosulfan Sulfate**

210420H5\_4



F5:Voltage SIR,EI+  
262.8569  
2.477e+006

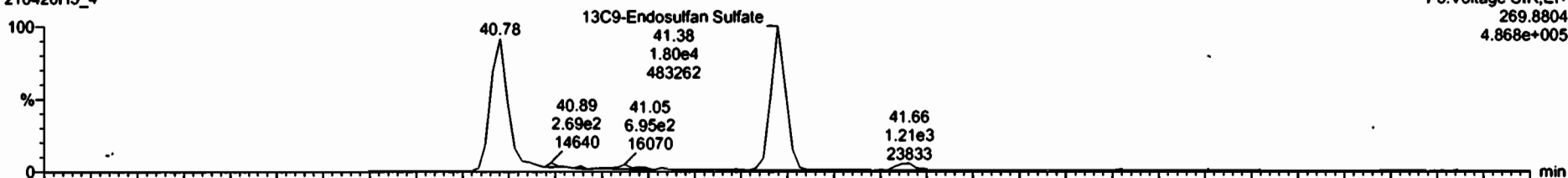
210420H5\_4



F5:Voltage SIR,EI+  
264.8540  
1.658e+006

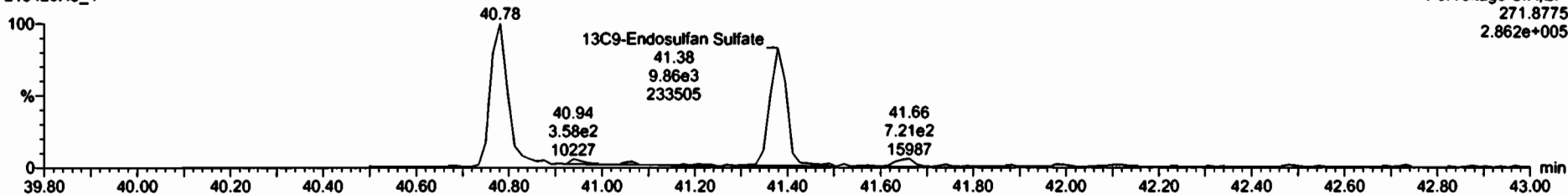
**13C9-Endosulfan Sulfate**

210420H5\_4



F5:Voltage SIR,EI+  
269.8804  
4.868e+005

210420H5\_4



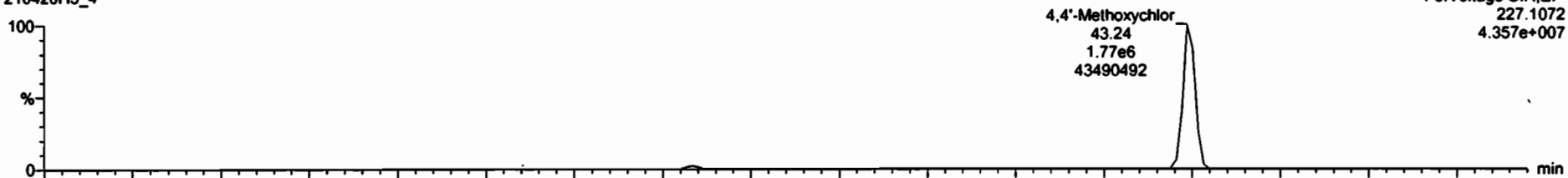
F5:Voltage SIR,EI+  
271.8775  
2.862e+005

Dataset: Untitled

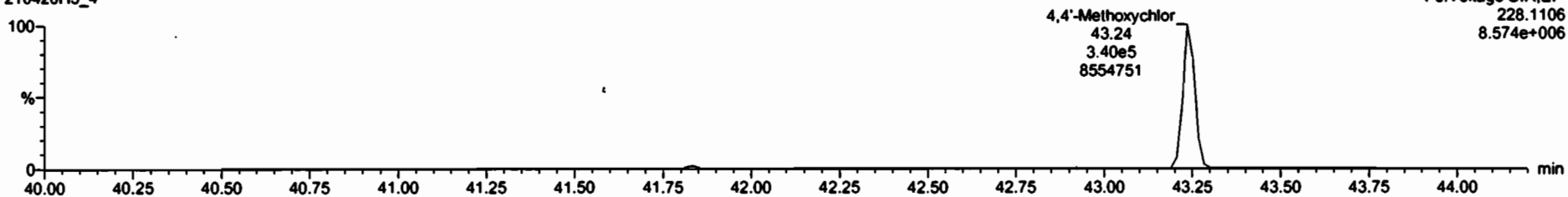
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5\_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902

**4,4'-Methoxychlor**  
210420H5\_4



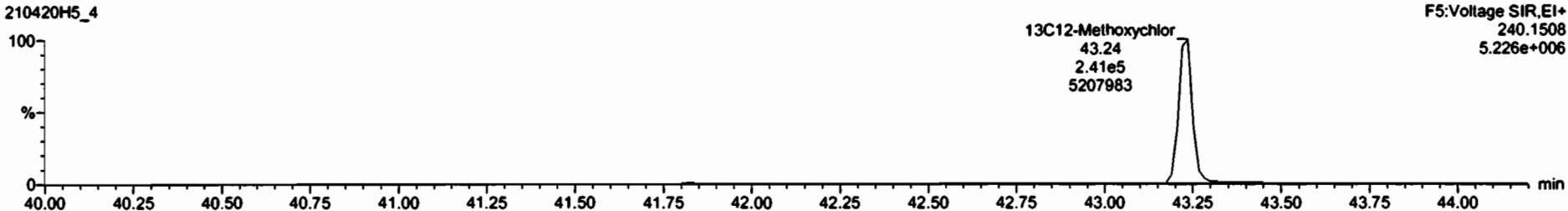
210420H5\_4



**13C12-Methoxychlor**  
210420H5\_4



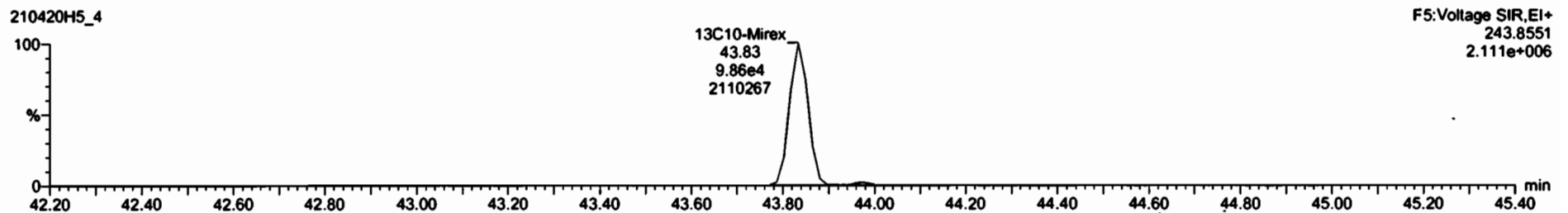
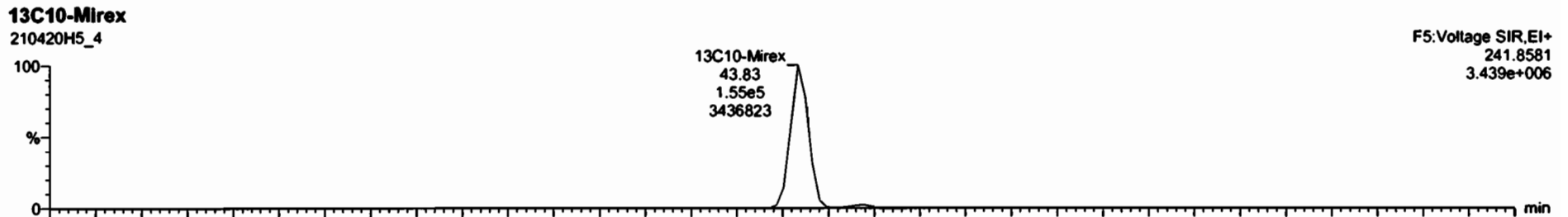
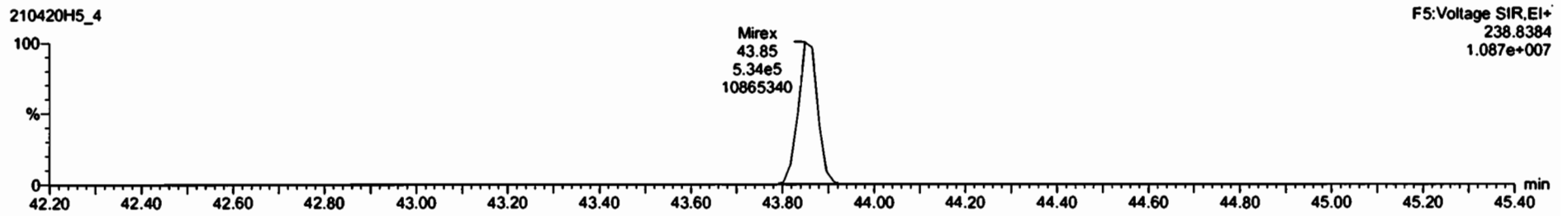
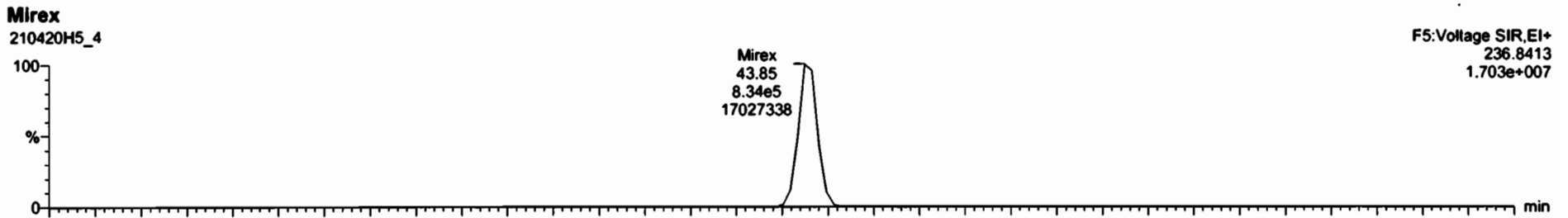
210420H5\_4



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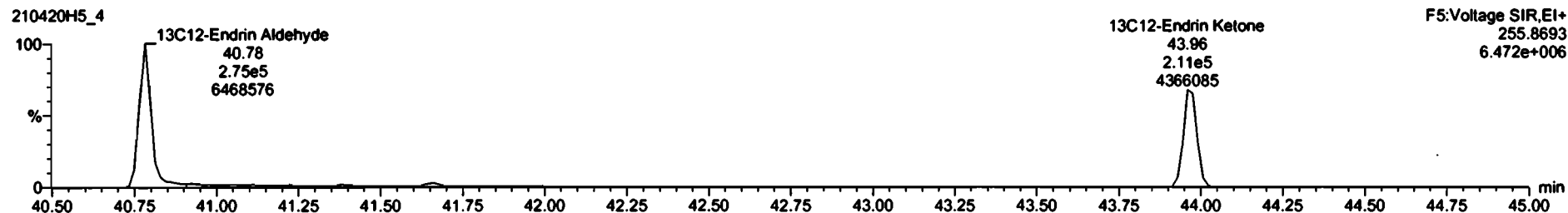
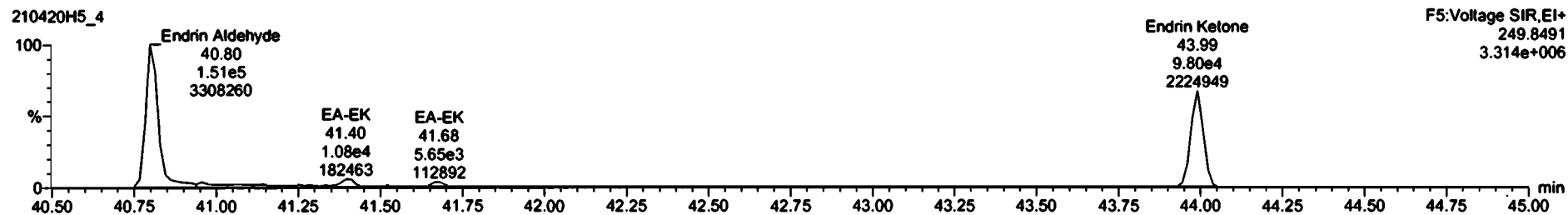
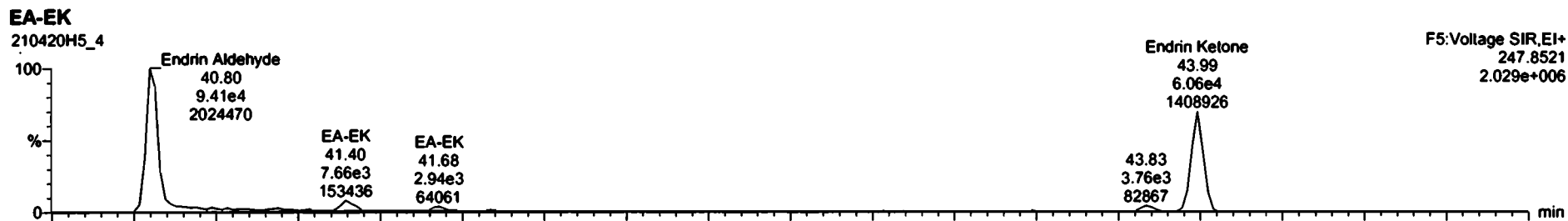
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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5\_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902



#	Name	RT	RA	Yth	g	Area	S Area	*Std Conc	%Det	*%RSD	RPF U	RPF SD
22	2,2-Dib-Hexachlor	38.80	1.575	NO	3.8843e5	6.0248e4	250.000	22.6	13.8	1.05	0.145	
23	Endosulfan S (beta)	39.00	1.532	NO	1.2155e5	2.4818e4	250.000	-5.4	15.7	1.04	0.162	
24	2,4'-DDD	37.90	1.578	NO	4.8821e6	9.2452e5	250.000	3.0	8.08	1.03	0.0828	
25	2,4'-DDT	39.82	1.572	NO	2.7188e6	4.8887e5	250.000	9.0	6.61	1.02	0.0873	
26	4,4'-DDD	38.15	1.578	NO	4.1712e6	7.3784e5	250.000	2.5	5.95	1.10	0.0856	
27	4,4'-DDT	40.20	1.575	NO	2.1179e6	3.6458e5	250.000	4.8	6.73	1.11	0.0748	
28	Endosulfan Sulfate	41.40	1.581	NO	1.5479e5	2.7831e4	250.000	7.3	4.71	1.04	0.0488	
29	1,4'-Methoxychlor	43.24	5.182	NO	2.1888e6	3.5728e5	250.000	1.8	4.47	1.18	0.0517	
30	mirex	43.85	1.562	NO	1.3884e6	2.5375e5	250.000	5.5	10.0	1.02	0.103	
31	Endrin Aldehyde	48.80	0.614	NO	2.2258e5	3.5255e5	250.000	8.7	8.51	1.10	0.101	
32	Endrin Ketone	43.99	0.619	NO	1.5888e5	2.8549e5	250.000	8.8	8.39	1.84	0.0873	
33	13CA-Hexachlorobutadiene	9.97	1.210	NO	2.9888e6	1.3250e6	500.000	14.6	21.0	0.197	0.0414	
34	13CB-Hexachlorobenzene	22.08	1.288	NO	1.2837e6	1.3250e6	50.000	1.7	5.14	0.884	0.0488	
35	13CB-Alpha-BHC	23.23	0.781	NO	3.3895e5	1.3250e6	50.000	1.8	5.23	0.249	0.0131	
36	13CB-Lindane (gamma)	26.57	0.784	NO	2.5834e5	1.3250e6	50.000	2.0	4.57	0.188	0.00887	
37	13CB-Beta-BHC	28.59	0.788	NO	1.7488e5	1.3250e6	50.000	0.8	5.53	0.131	0.00723	
38	13CB-Delta-BHC	38.25	0.778	NO	2.2371e5	1.3250e6	50.000	2.2	7.58	0.165	0.0124	
39	13C10-Hexachlor	28.71	1.280	NO	1.3895e5	1.3250e6	50.000	-0.9	7.48	0.106	0.00783	
40	13C12-Aldrin	38.79	1.621	NO	2.0320e5	1.3250e6	50.000	0.6	4.78	0.152	0.00724	
41	13C10-Ortho-chlordane	33.35	1.634	NO	5.8857e4	1.3250e6	50.000	2.0	5.88	0.0441	0.00258	



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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

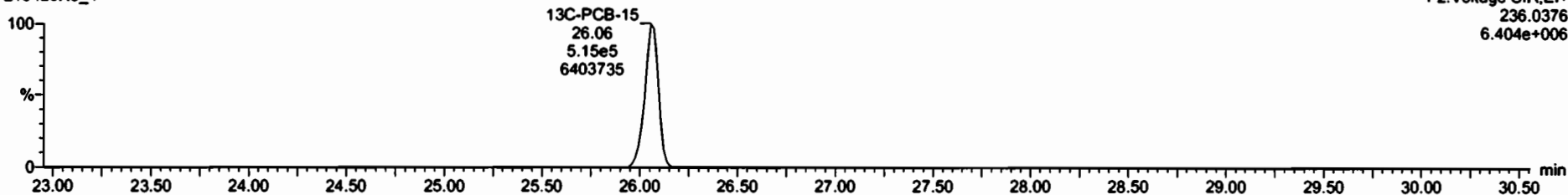
Name: 210420H5\_4, Date: 20-Apr-2021, Time: 20:38:48, ID: ST210420H5\_4 1699 CS4 21D0902, Description: 1699 CS4 21D0902

**13C-PCB-15**

210420H5\_4



210420H5\_4

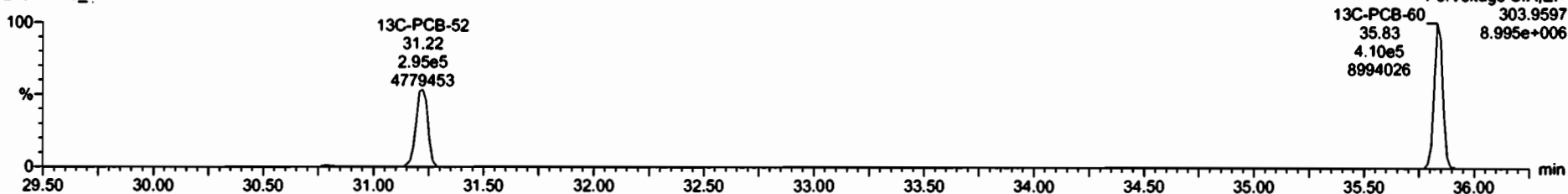


**13C-PCB-60**

210420H5\_4



210420H5\_4



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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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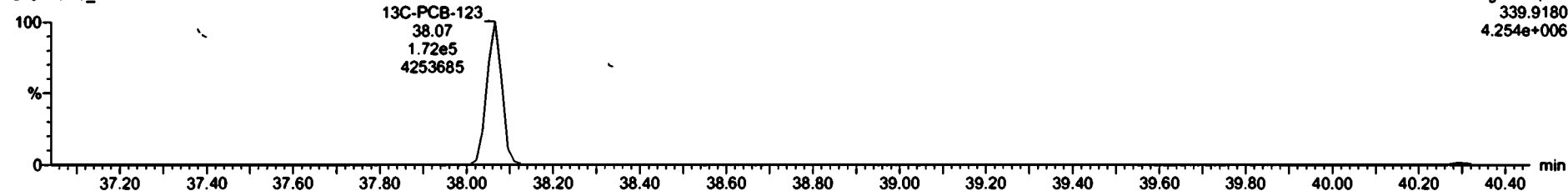
**13C-PCB-123**

210420H5\_4



F4:Voltage SIR,EI+  
337.9210  
6.812e+006

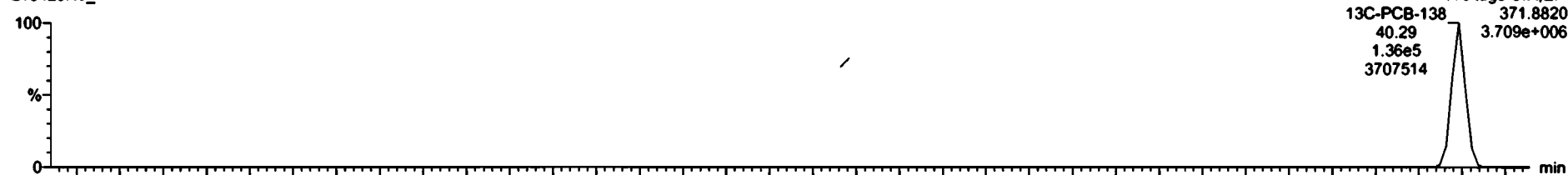
210420H5\_4



F4:Voltage SIR,EI+  
339.9180  
4.254e+006

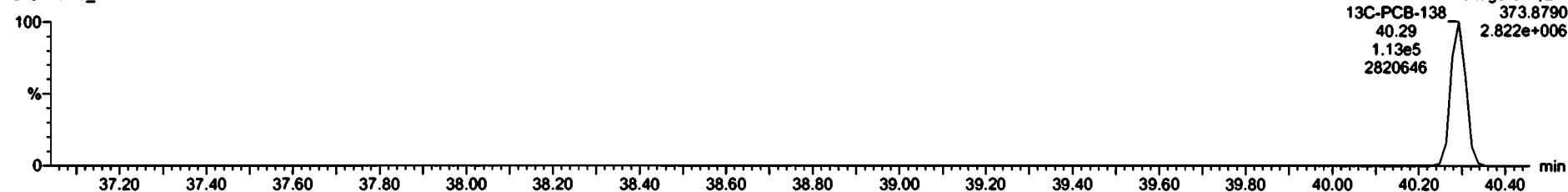
**13C-PCB-138**

210420H5\_4



F4:Voltage SIR,EI+  
371.8820  
3.709e+006

210420H5\_4



F4:Voltage SIR,EI+  
373.8790  
2.822e+006

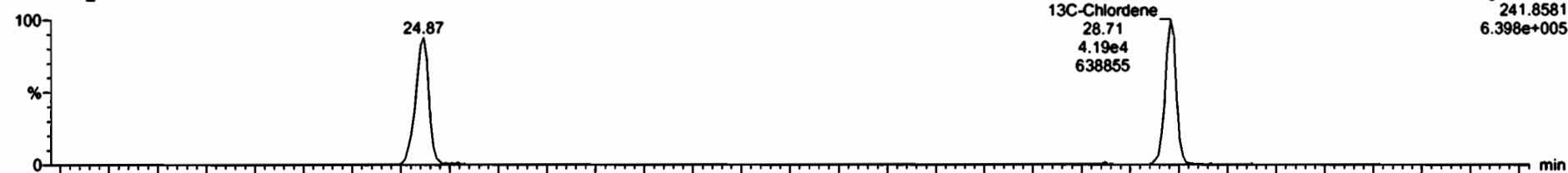
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

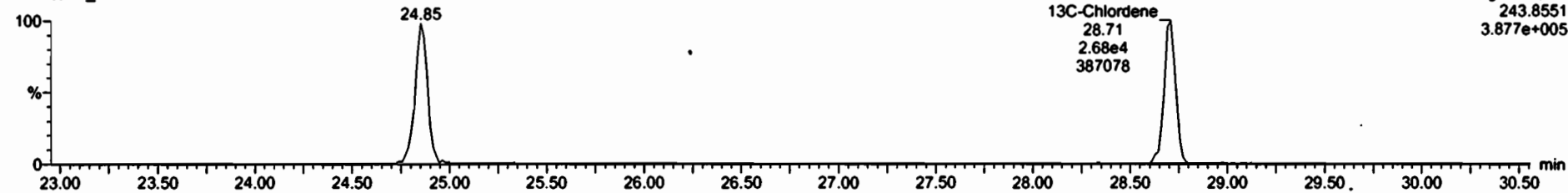
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**13C-Chlordene**

210420H5\_4

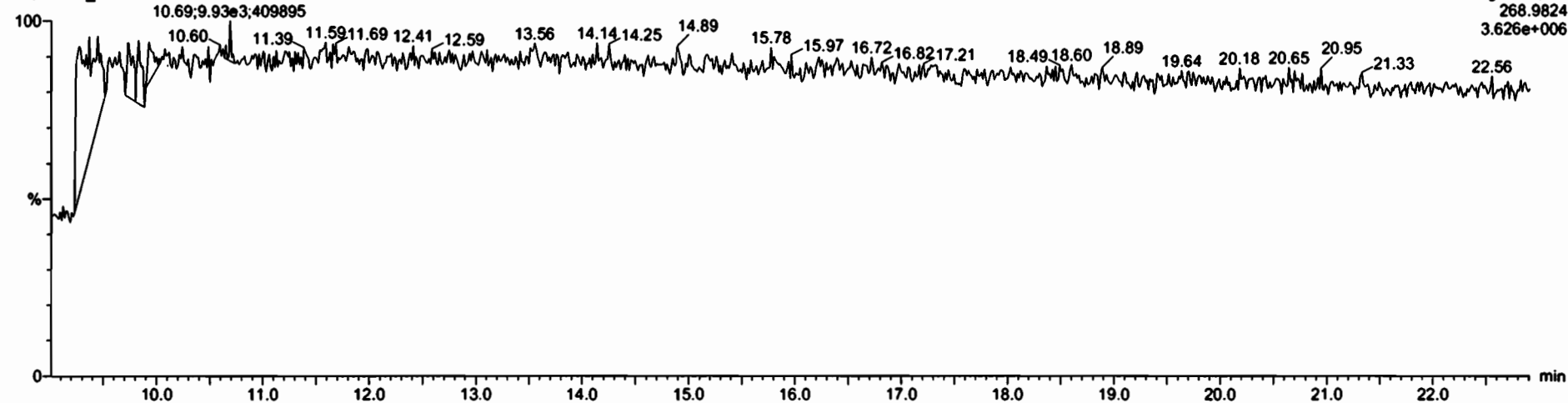


210420H5\_4



**PFK1**

210420H5\_4

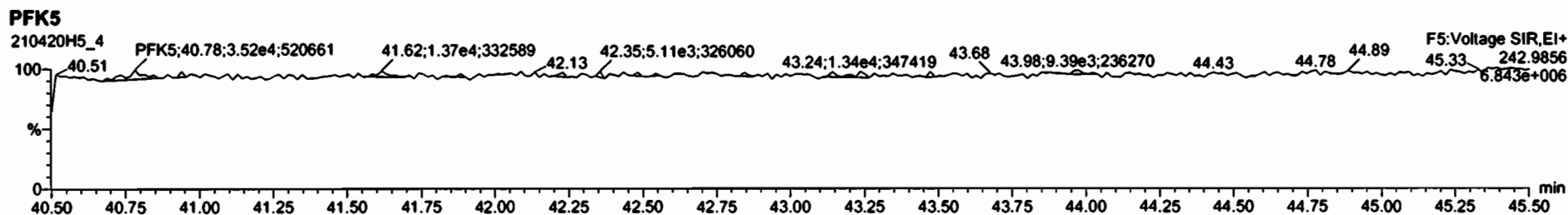
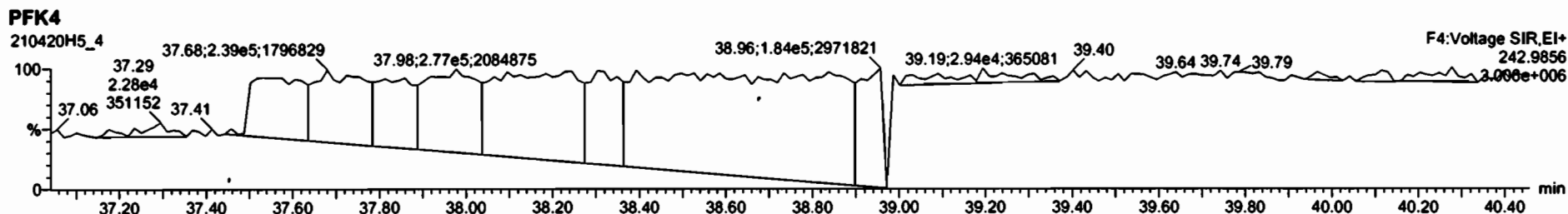
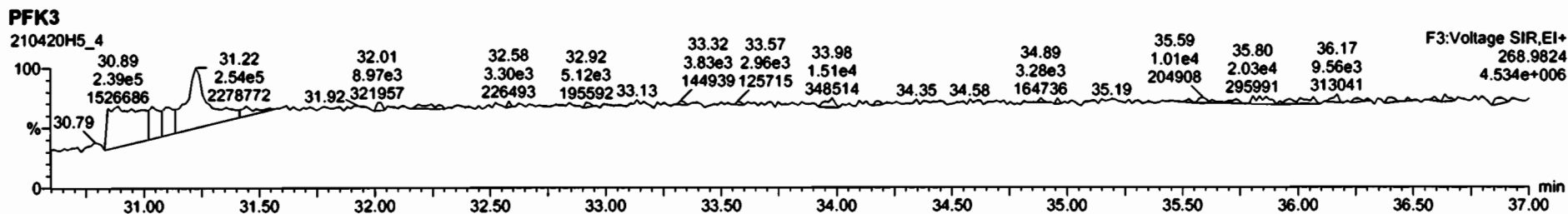
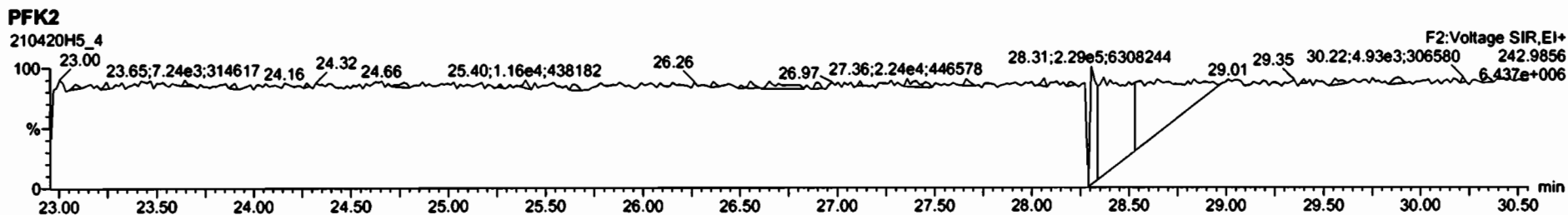




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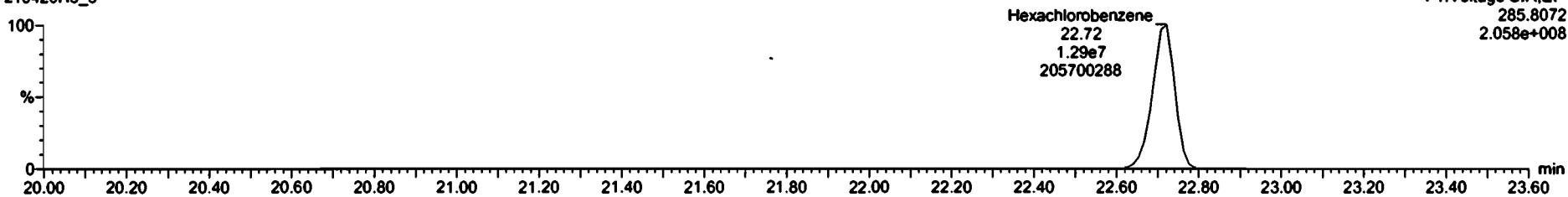
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**Hexachlorobenzene**

210420H5\_5



210420H5\_5

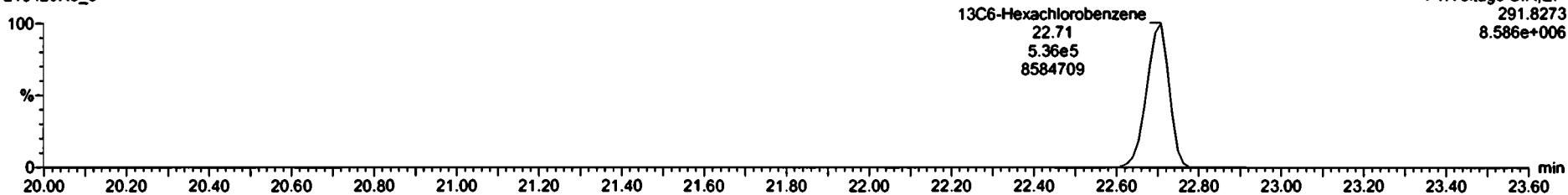


**<sup>13</sup>C6-Hexachlorobenzene**

210420H5\_5



210420H5\_5



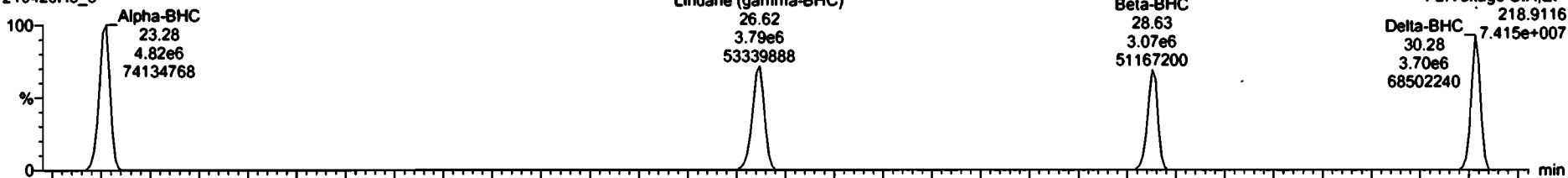
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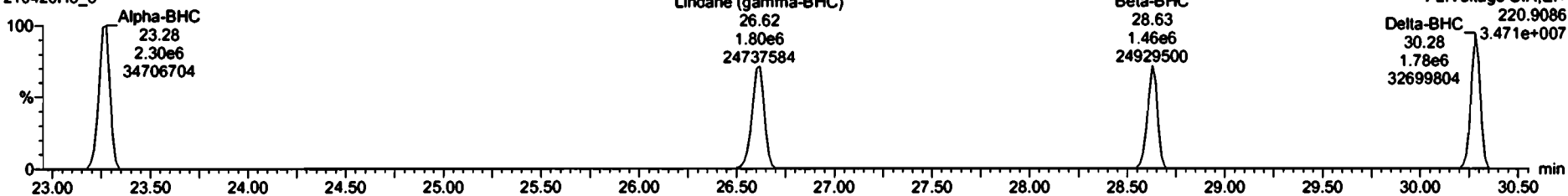
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**BHC Totals**

210420H5\_5

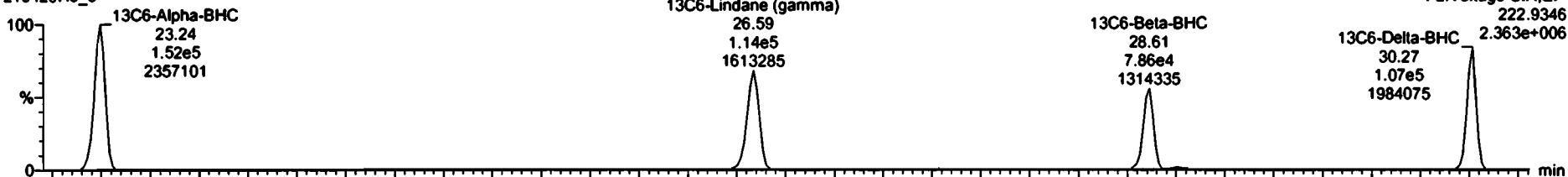


210420H5\_5

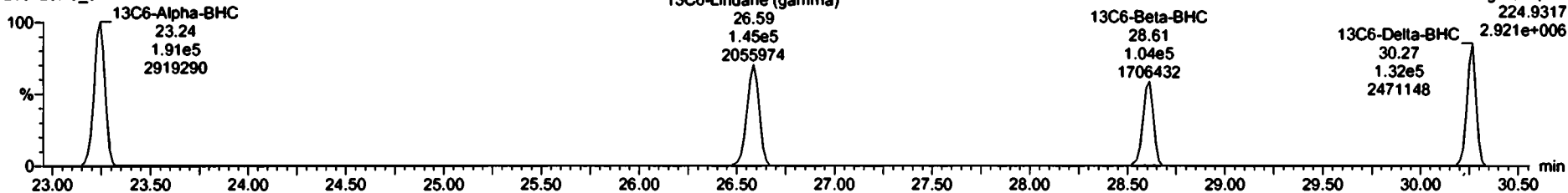


**BHC-isotopes**

210420H5\_5



210420H5\_5



Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

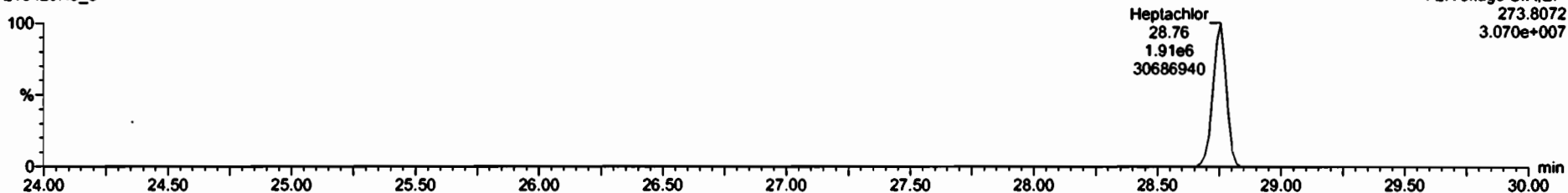
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**Heptachlor**

210420H5\_5



210420H5\_5

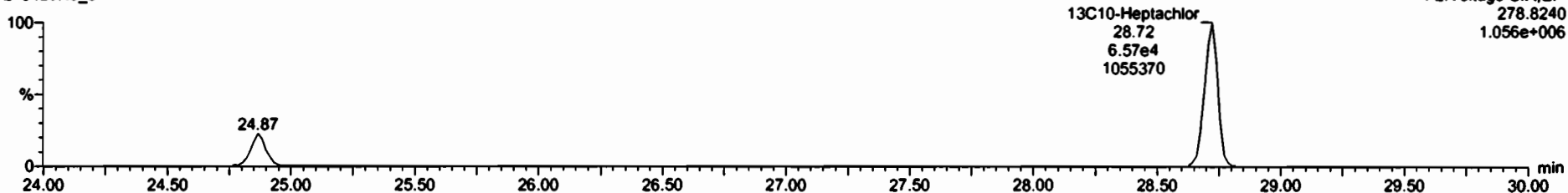


**13C10-Heptachlor**

210420H5\_5



210420H5\_5



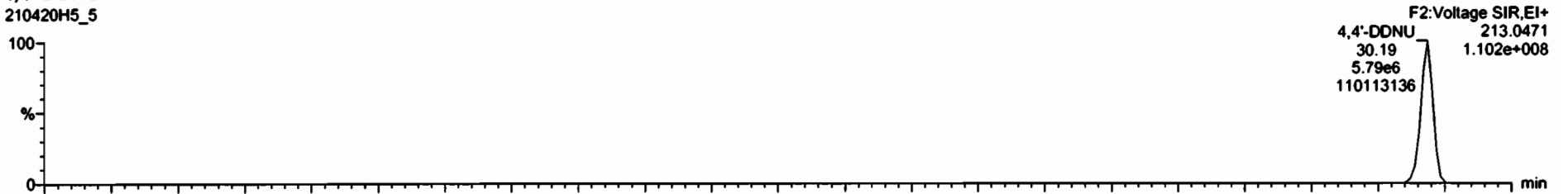
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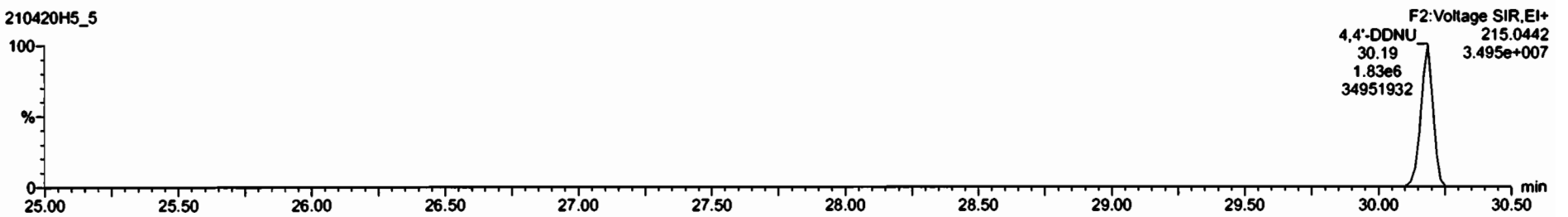
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4,4'-DDNU

210420H5\_5

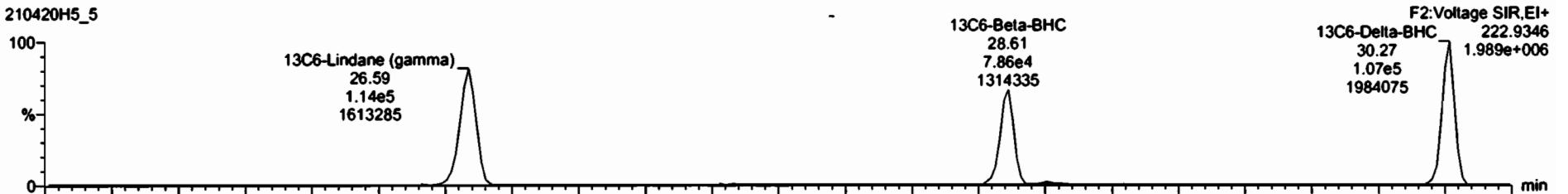


210420H5\_5

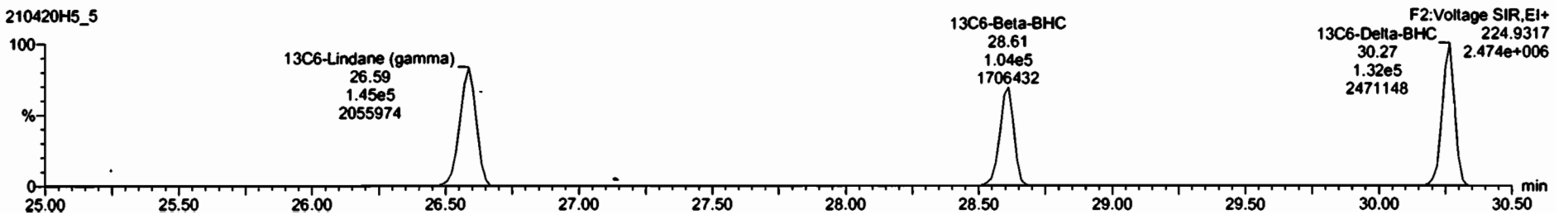


13C6-Delta-BHC

210420H5\_5



210420H5\_5



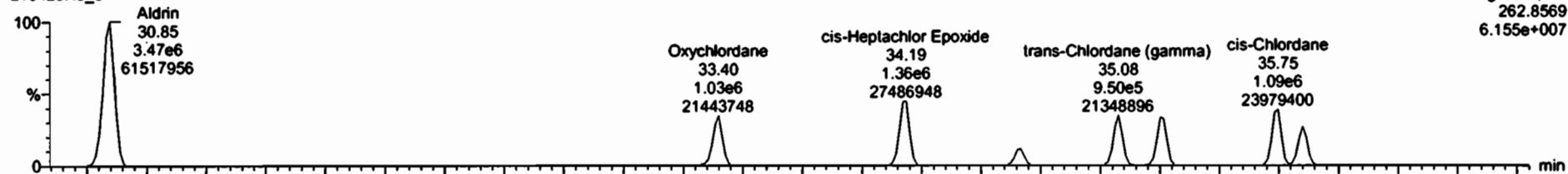
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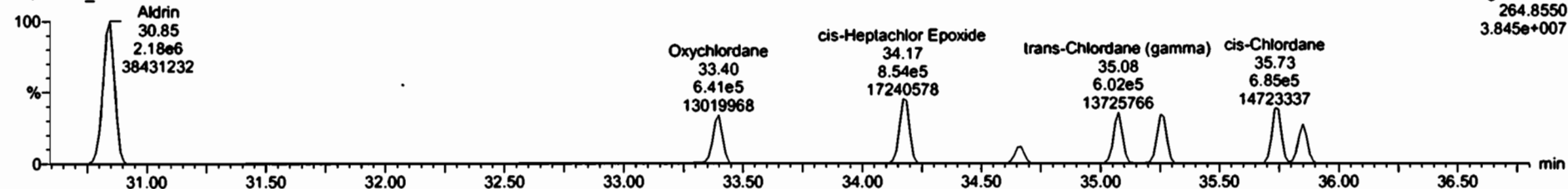
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**Aldrin-EI**

210420H5\_5

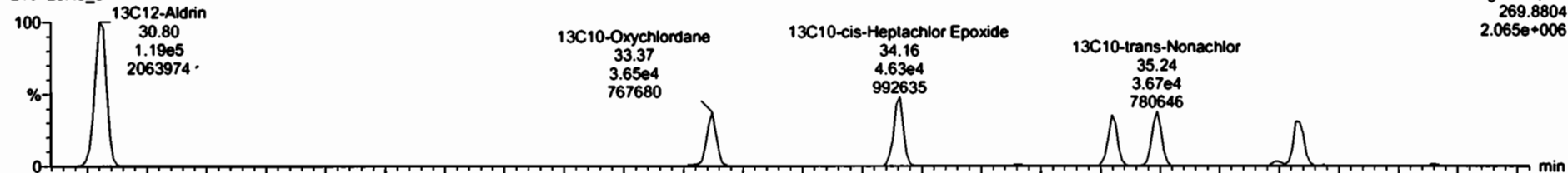


210420H5\_5

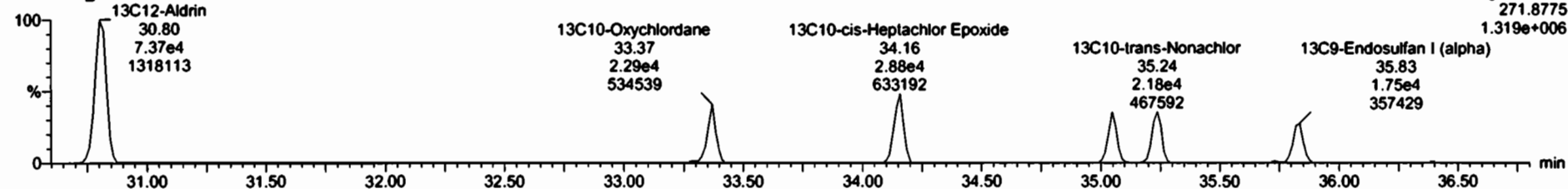


**Aldrin-EI-isotopes**

210420H5\_5



210420H5\_5



Dataset: Untitled

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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

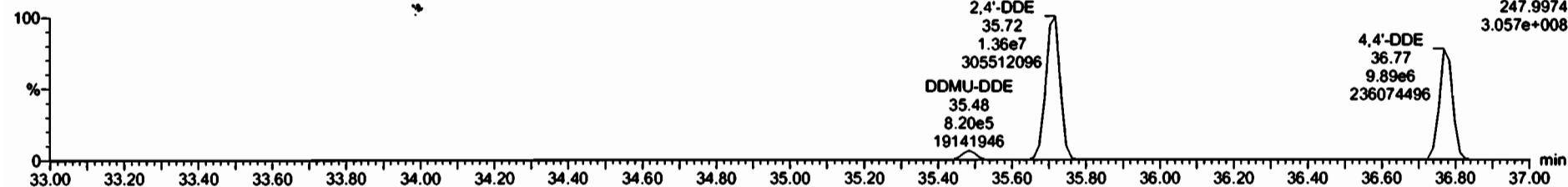
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**DDMU-DDE**

210420H5\_5



210420H5\_5

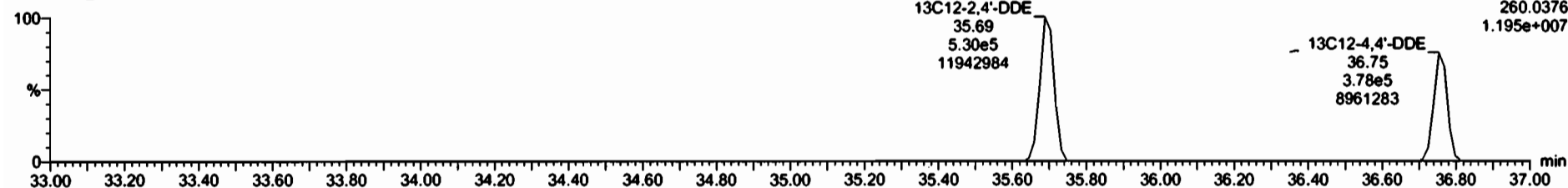


**DDE-isotopes**

210420H5\_5



210420H5\_5



Dataset: Untitled

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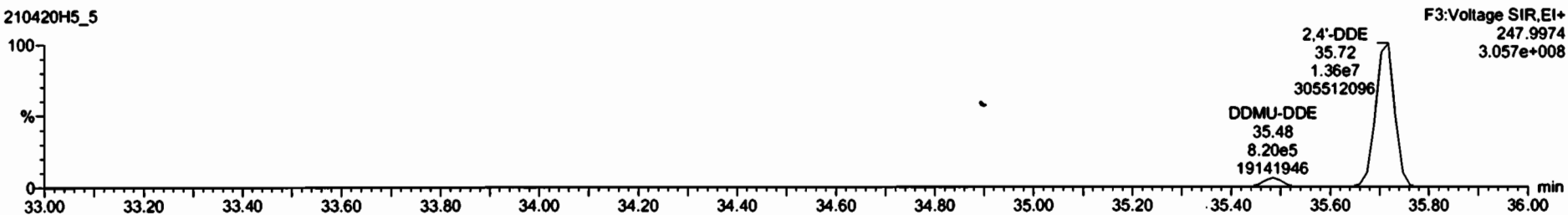
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2,4'-DDE

210420H5\_5



210420H5\_5

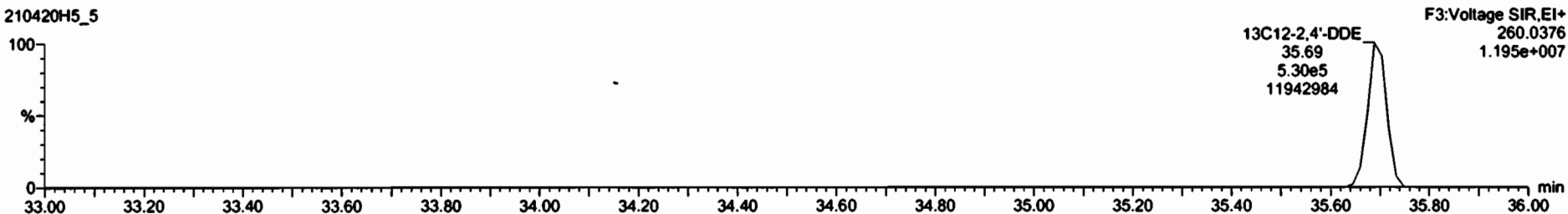


13C12-2,4'-DDE

210420H5\_5



210420H5\_5



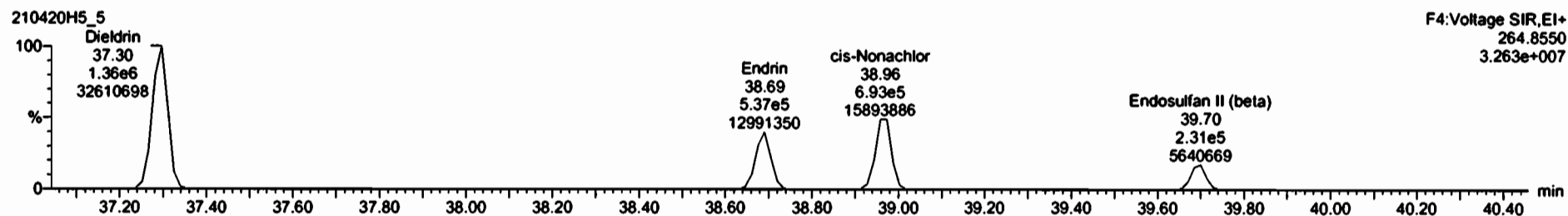
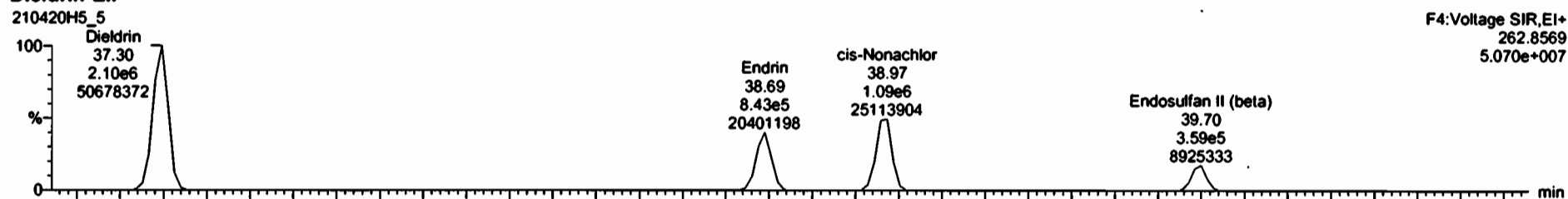


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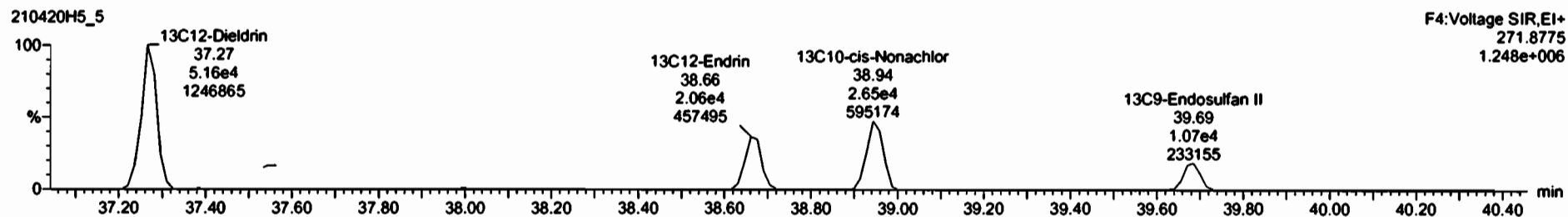
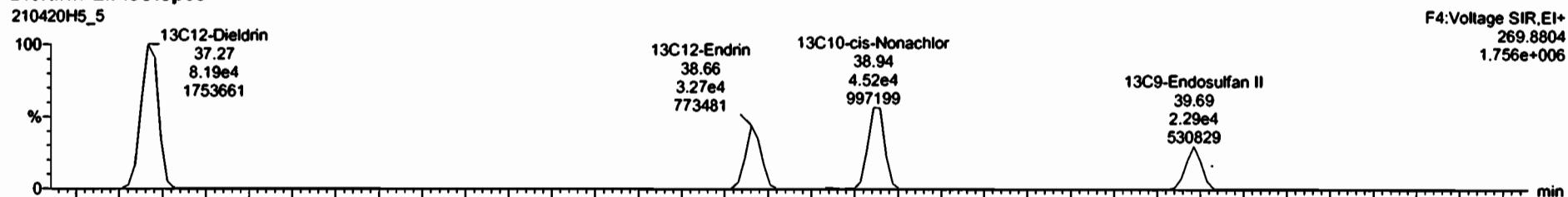
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_5, Date: 20-Apr-2021, Time: 21:27:08, ID: ST210420H5\_5 1699 CS5 21D0903, Description: 1699 CS5 21D0903

**Dieldrin-EII**



**Dieldrin-EII-isotopes**



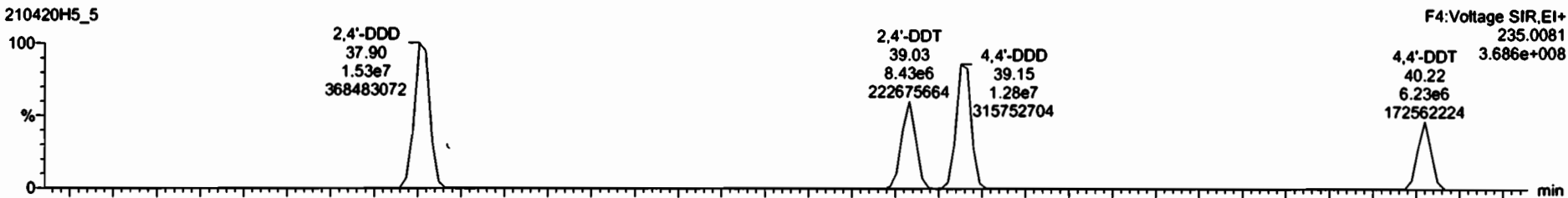
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

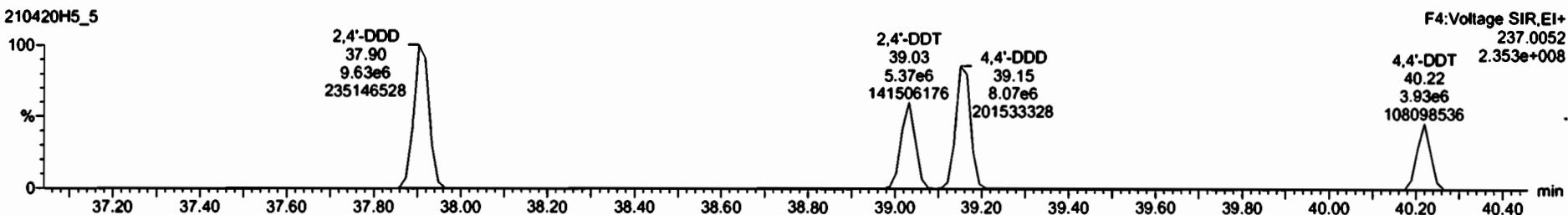
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DDD-DDT

210420H5\_5

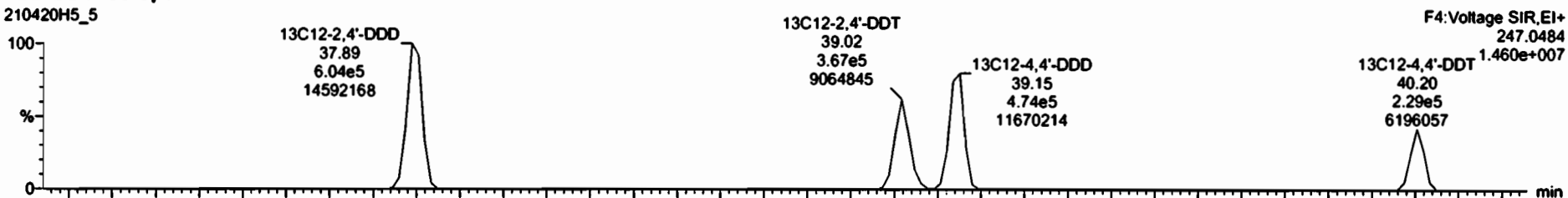


210420H5\_5

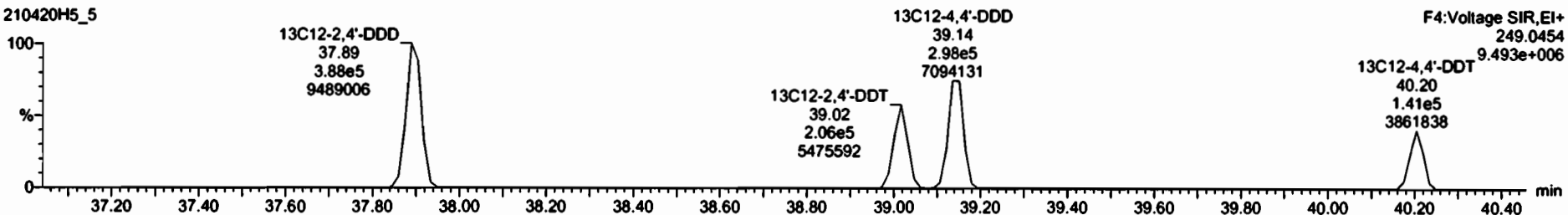


DDD-DDT-isotopes

210420H5\_5



210420H5\_5



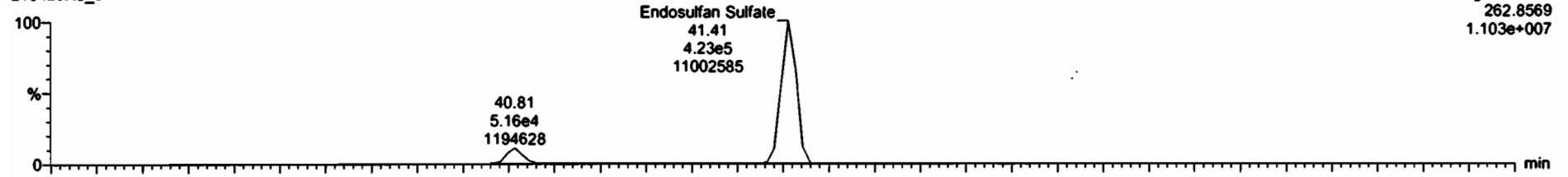
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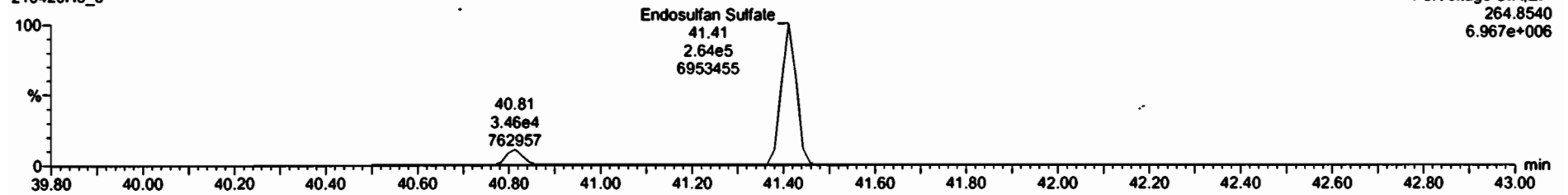
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Endosulfan Sulfate

210420H5\_5

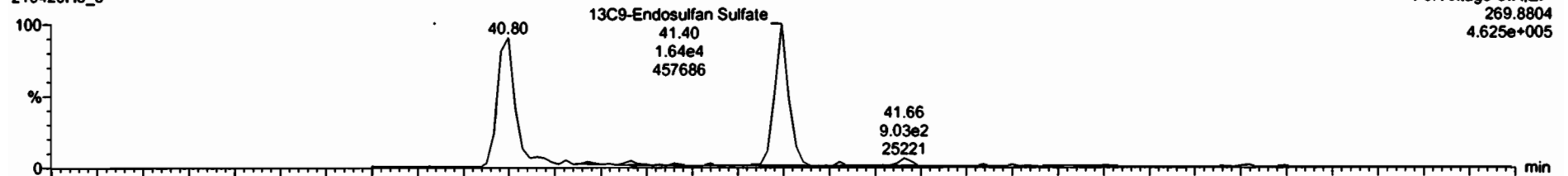


210420H5\_5

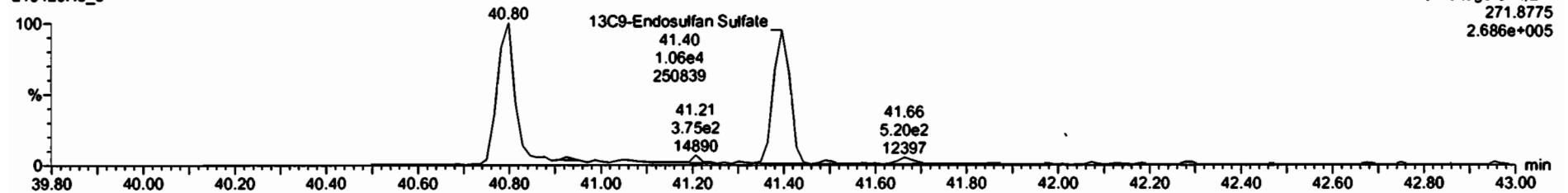


13C9-Endosulfan Sulfate

210420H5\_5



210420H5\_5

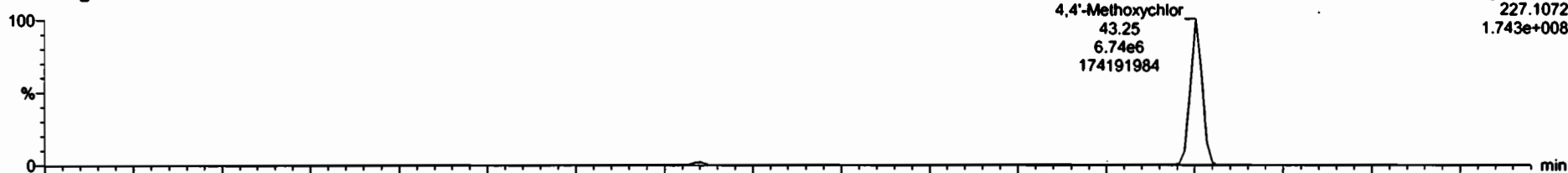


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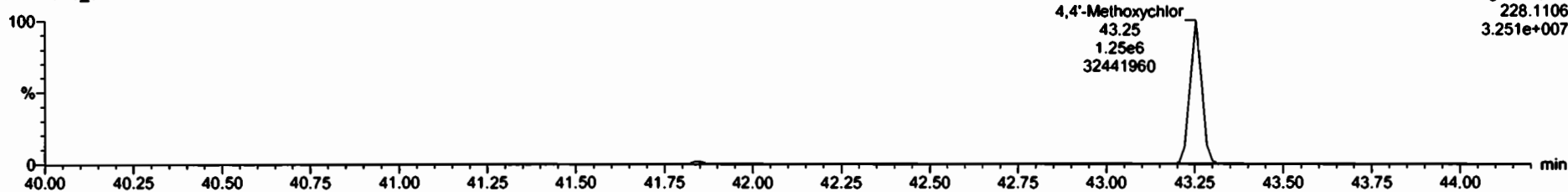
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

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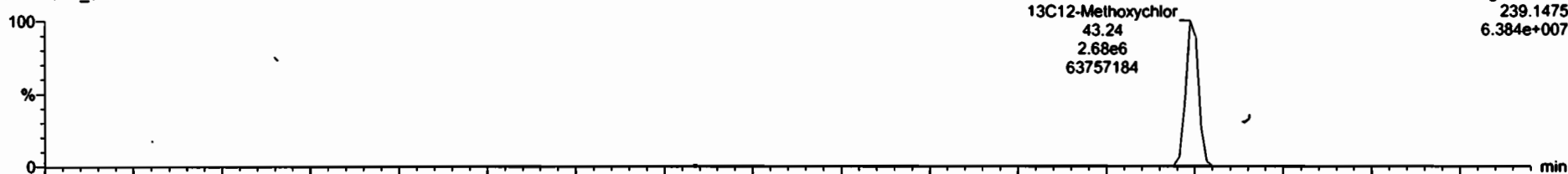
**4,4'-Methoxychlor**  
210420H5\_5



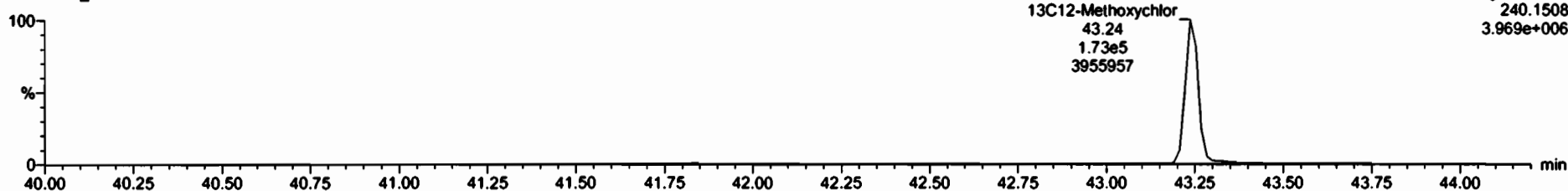
210420H5\_5



**13C12-Methoxychlor**  
210420H5\_5



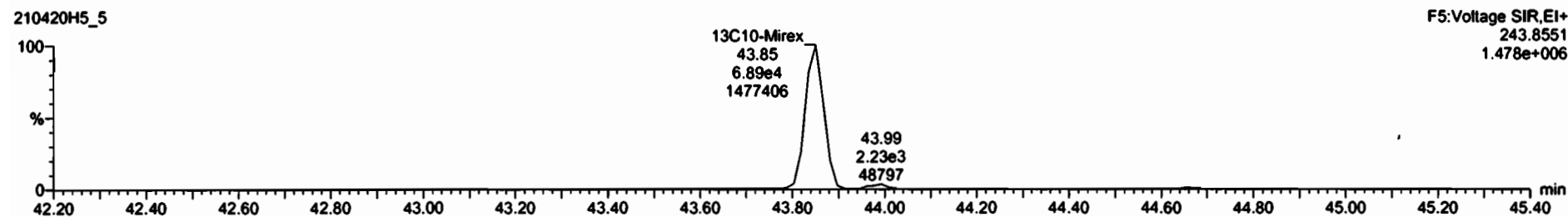
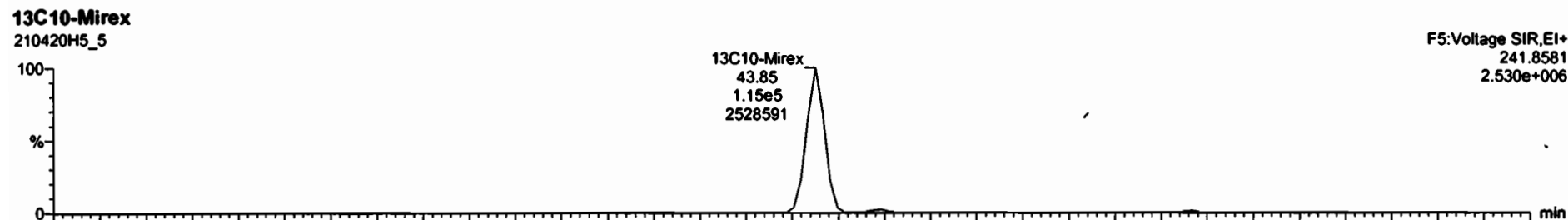
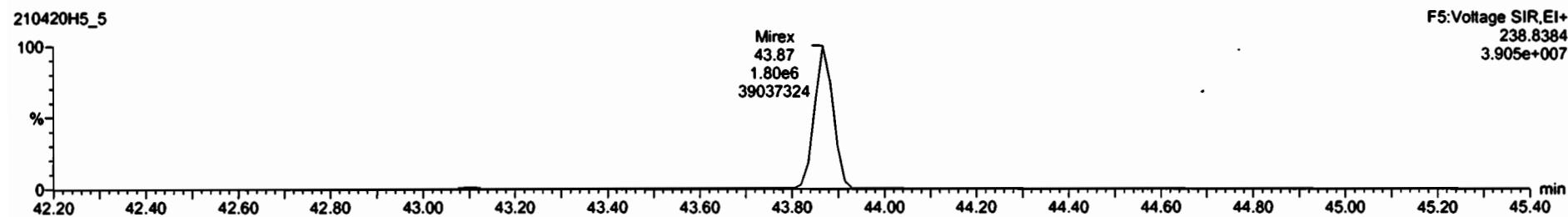
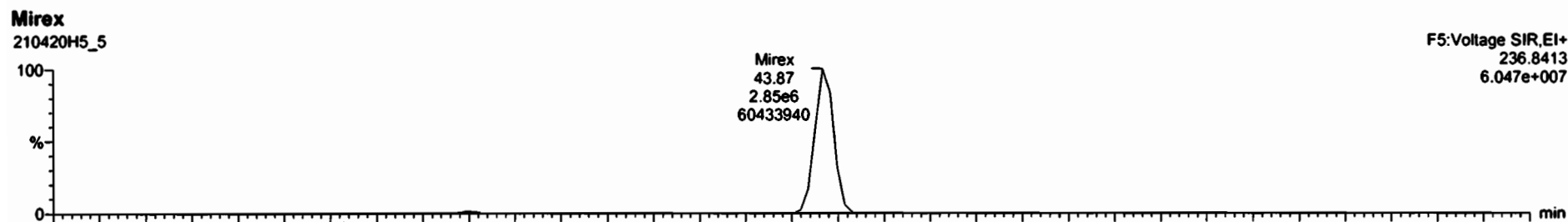
210420H5\_5



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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

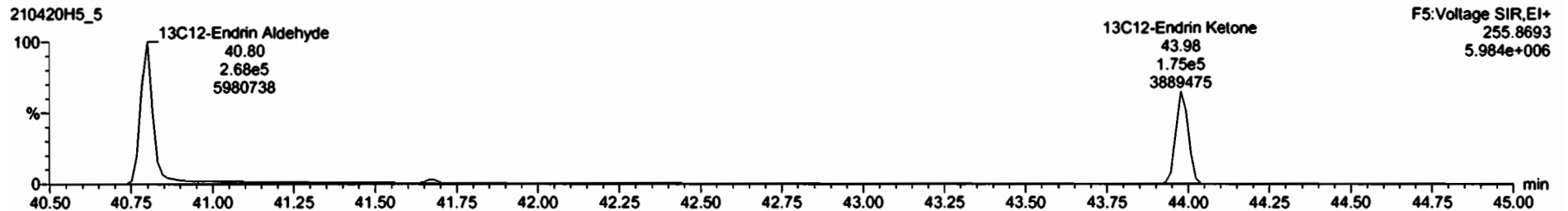
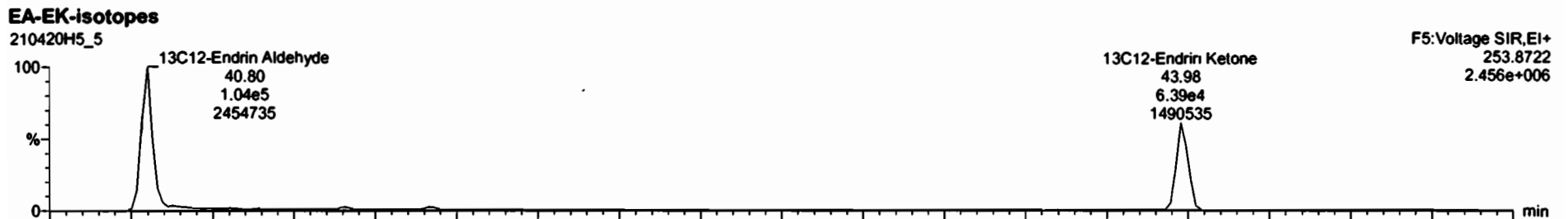
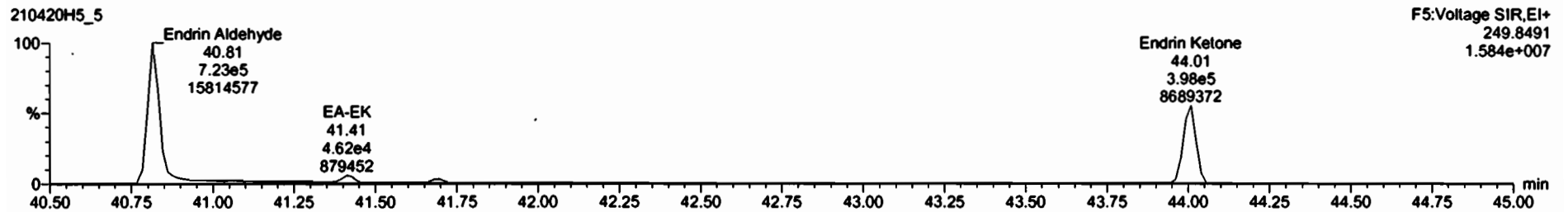
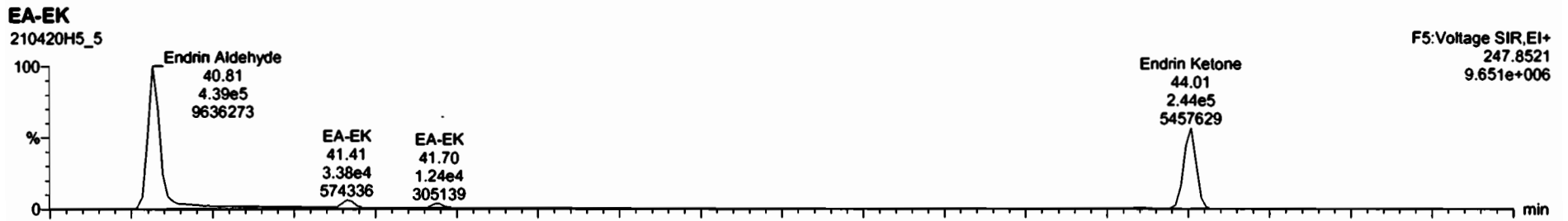
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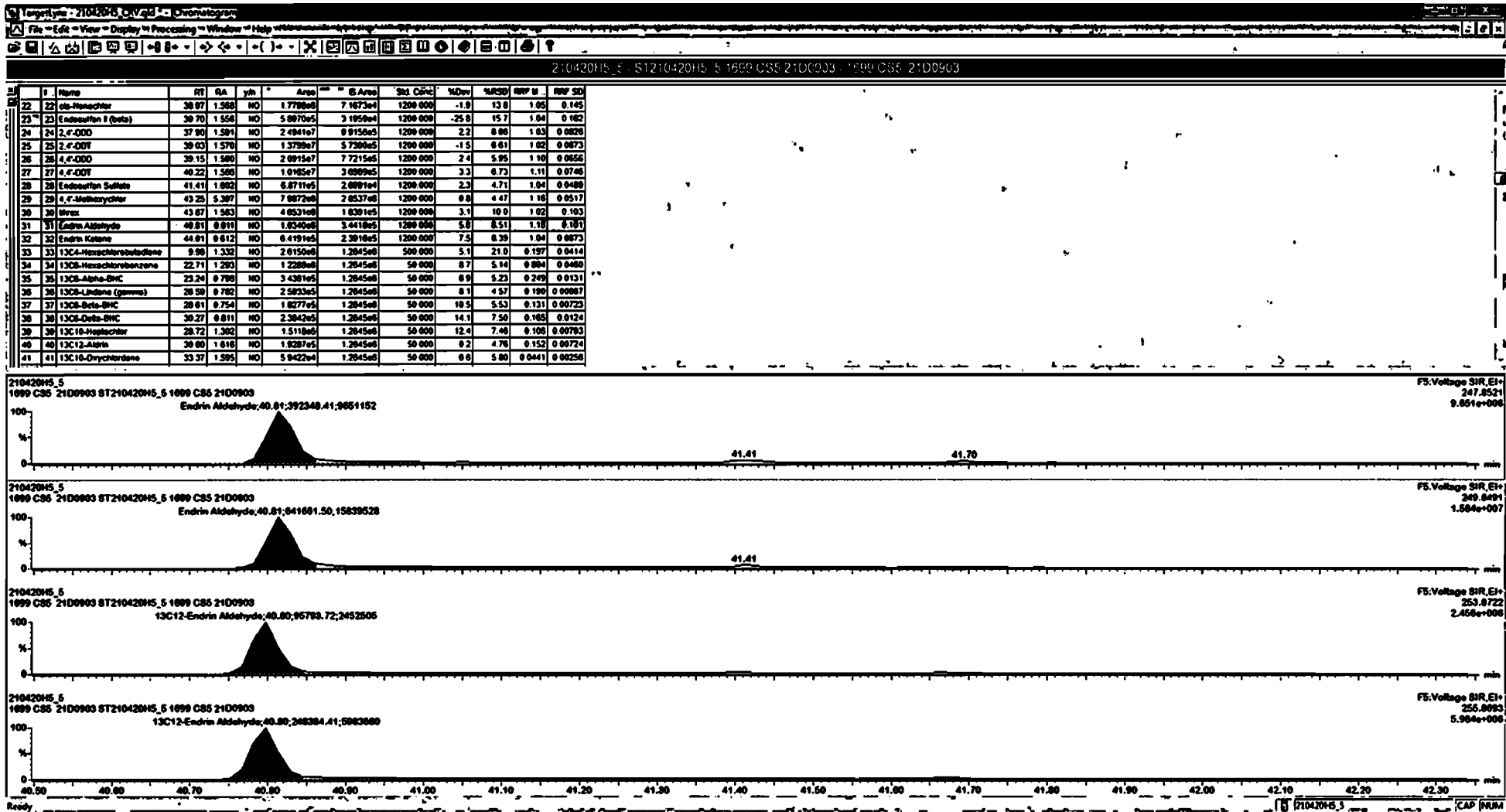


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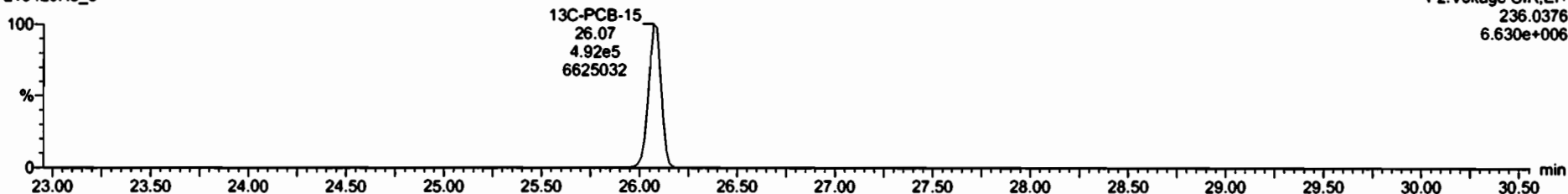
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13C-PCB-15

210420H5\_5



210420H5\_5

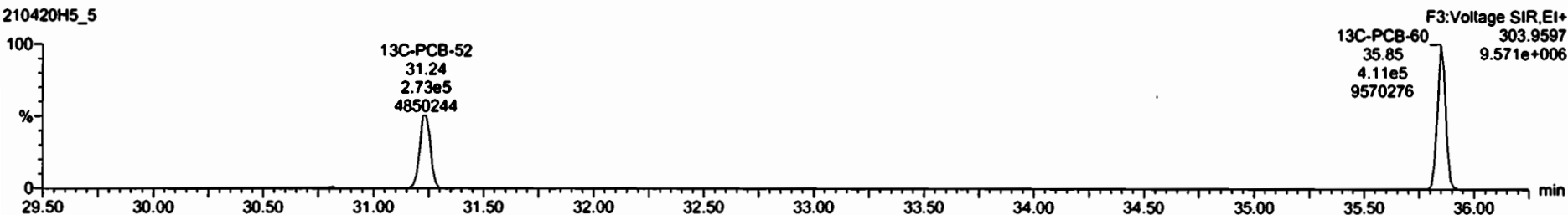


13C-PCB-60

210420H5\_5



210420H5\_5





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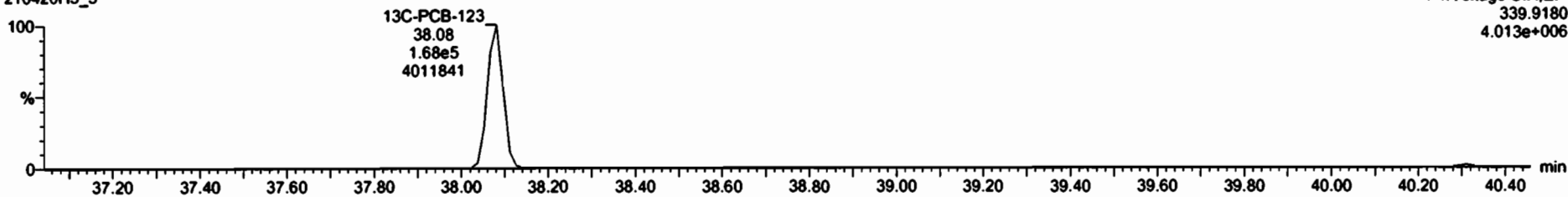
13C-PCB-123

210420H5\_5



F4:Voltage SIR,EI+  
337.9210  
6.502e+006

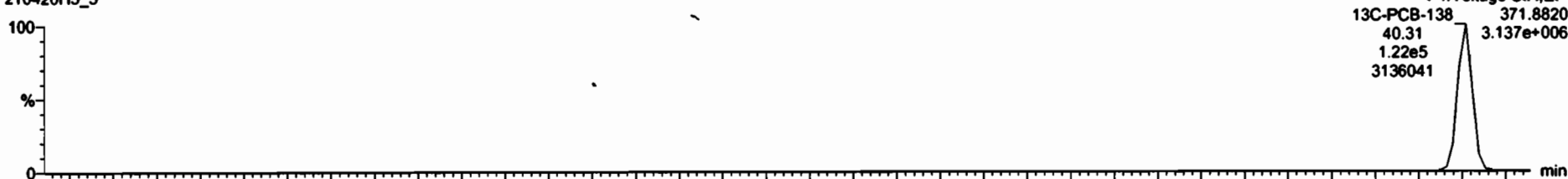
210420H5\_5



F4:Voltage SIR,EI+  
339.9180  
4.013e+006

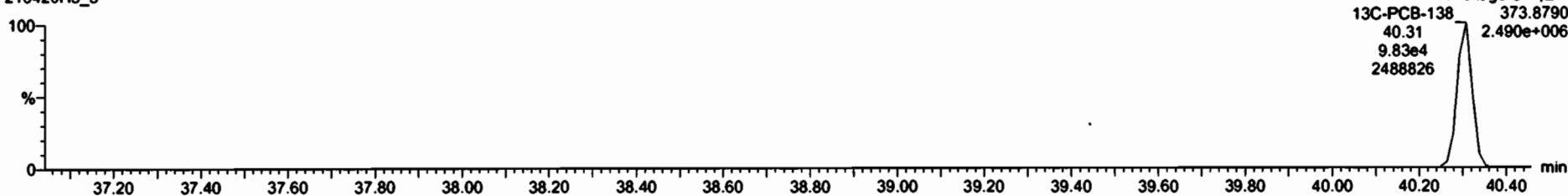
13C-PCB-138

210420H5\_5



F4:Voltage SIR,EI+  
371.8820  
3.137e+006

210420H5\_5



F4:Voltage SIR,EI+  
373.8790  
2.490e+006

Dataset: Untitled

Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

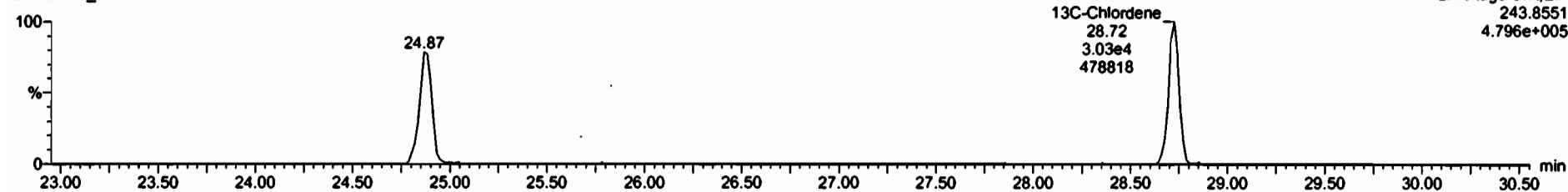
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**13C-Chlordene**

210420H5\_5

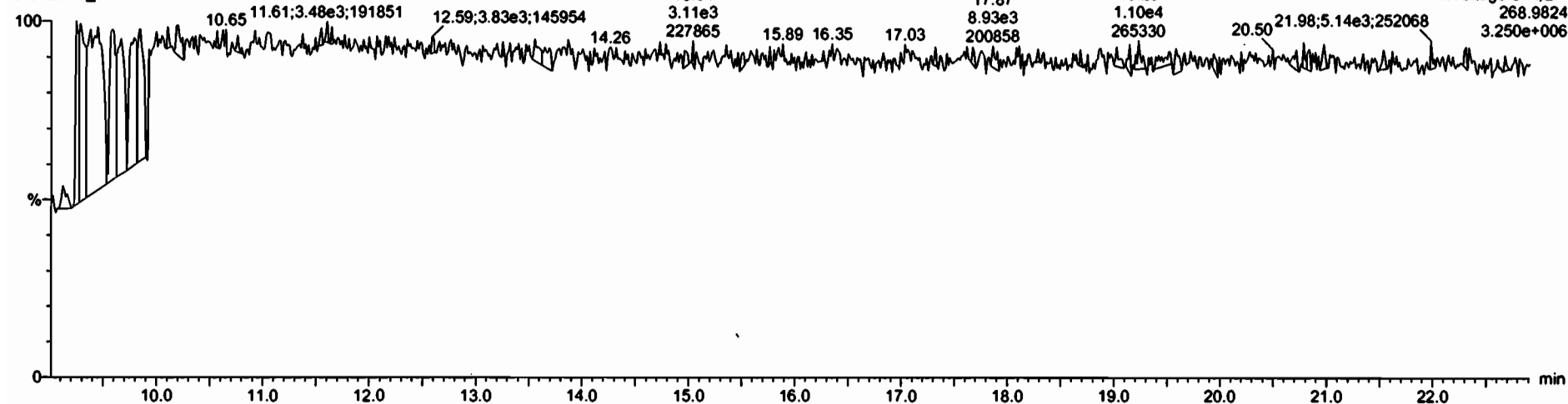


210420H5\_5



**PFK1**

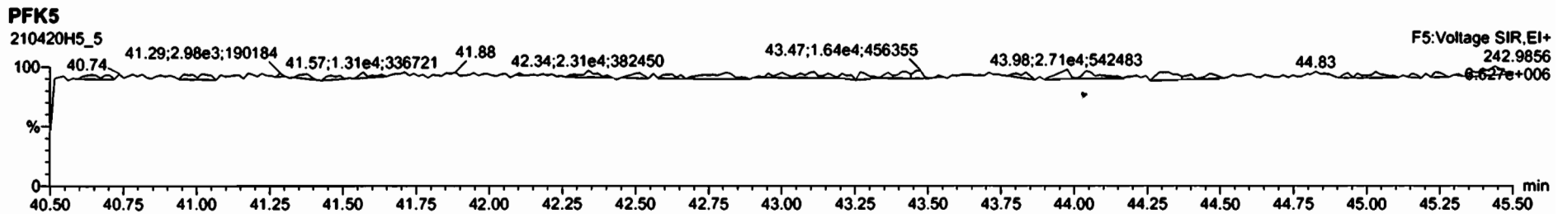
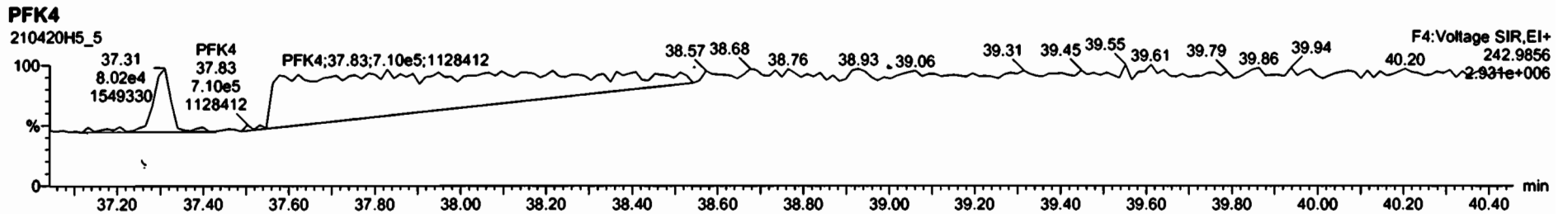
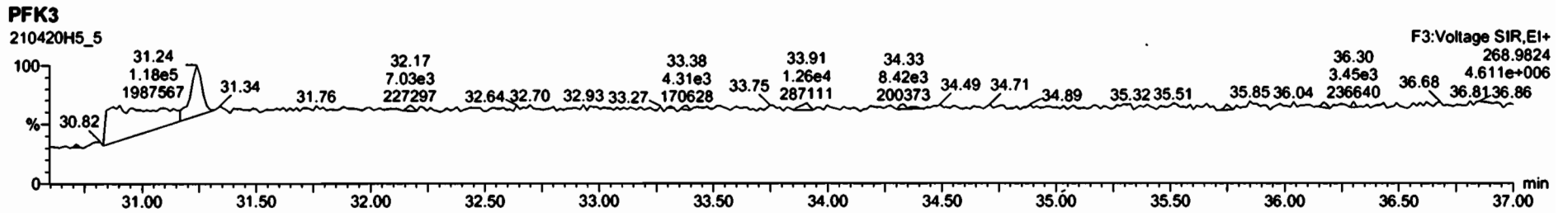
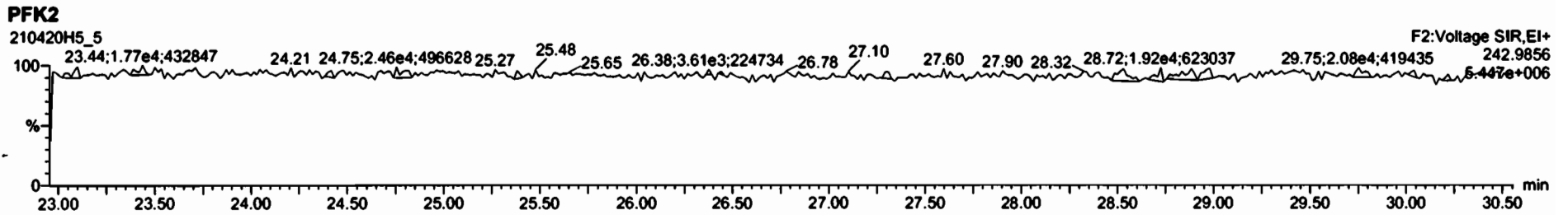
210420H5\_5



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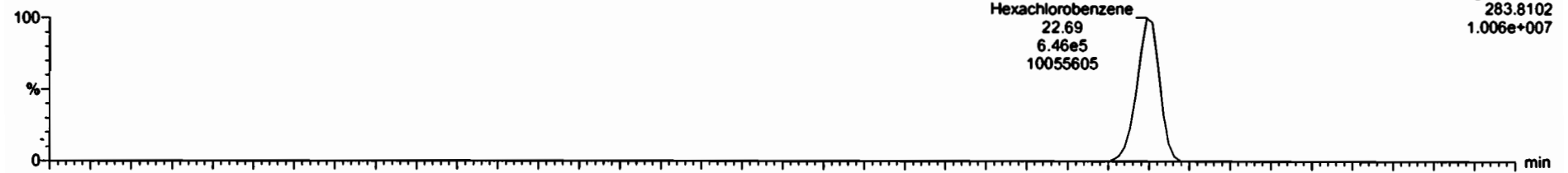
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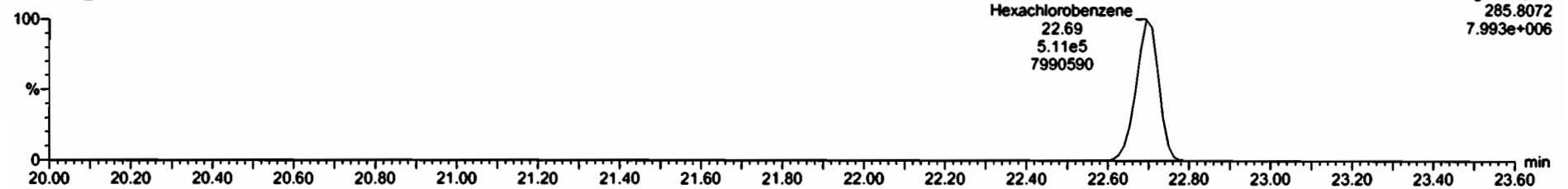
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**Hexachlorobenzene**

210420H5\_6



210420H5\_6

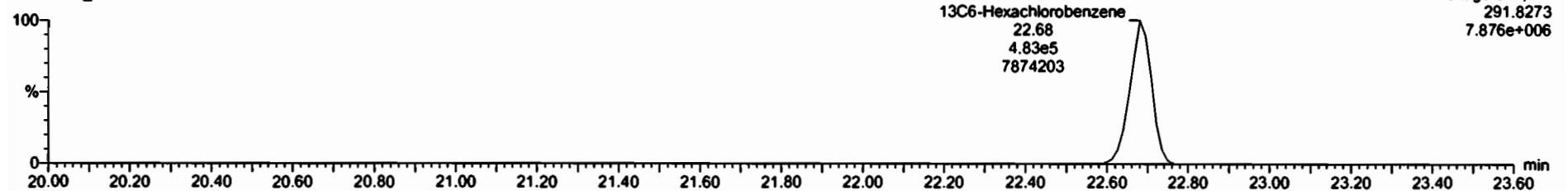


**<sup>13</sup>C6-Hexachlorobenzene**

210420H5\_6



210420H5\_6



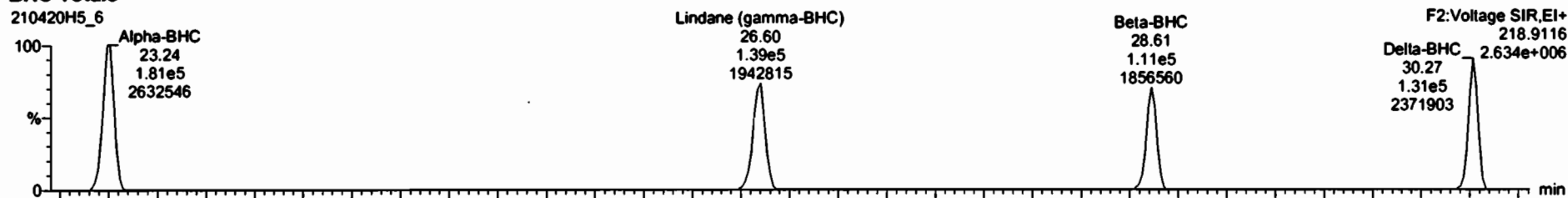
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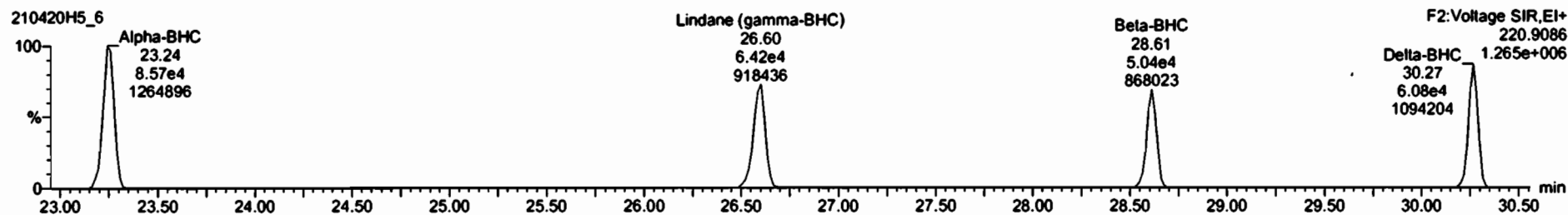
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**BHC Totals**

210420H5\_6

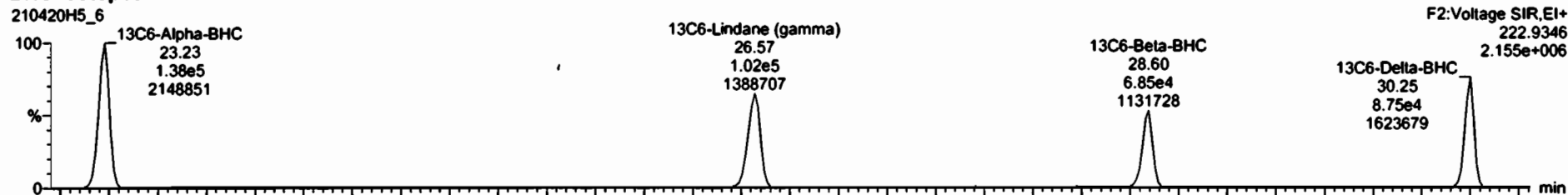


210420H5\_6

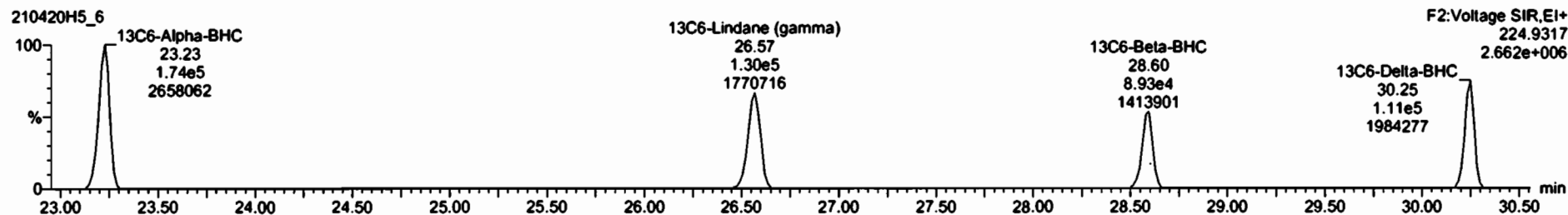


**BHC-Isotopes**

210420H5\_6



210420H5\_6



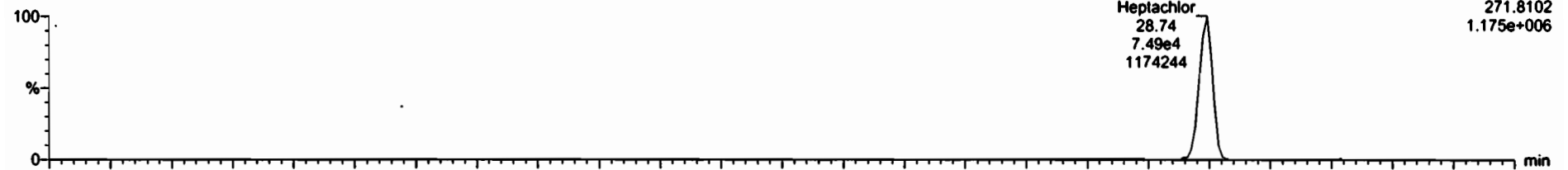
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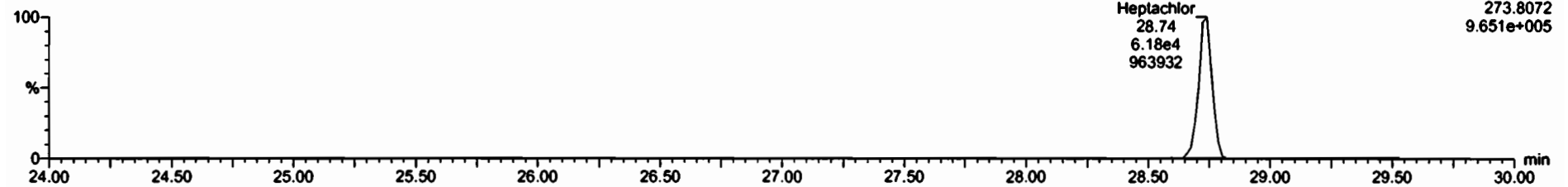
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**Heptachlor**

210420H5\_6

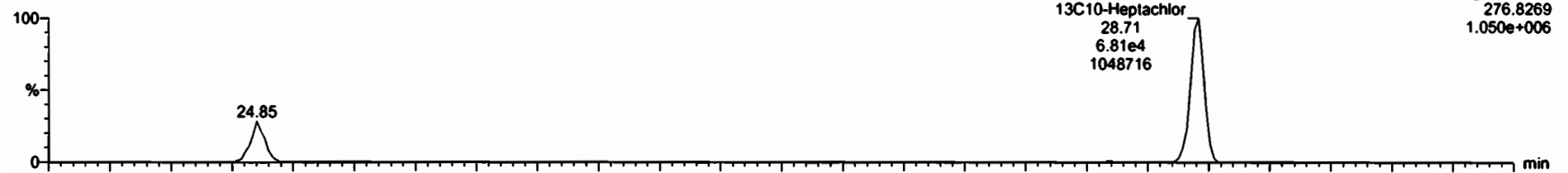


210420H5\_6

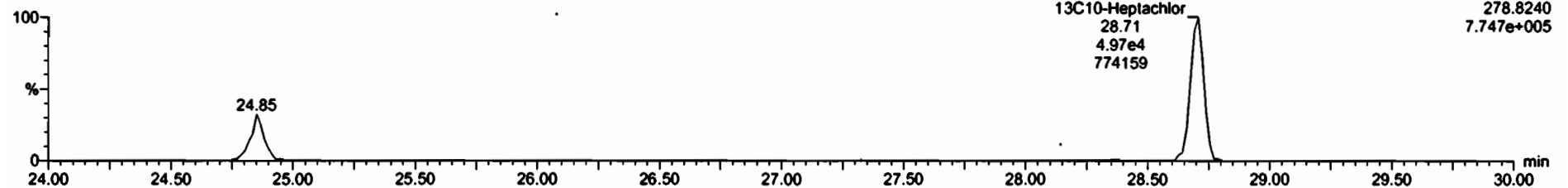


**13C10-Heptachlor**

210420H5\_6



210420H5\_6

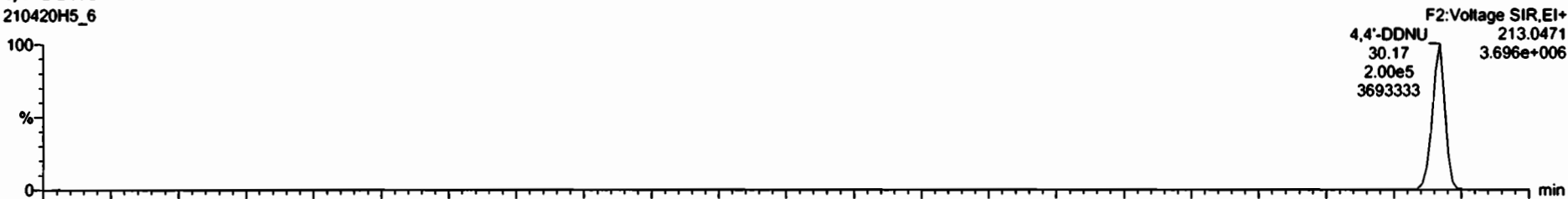


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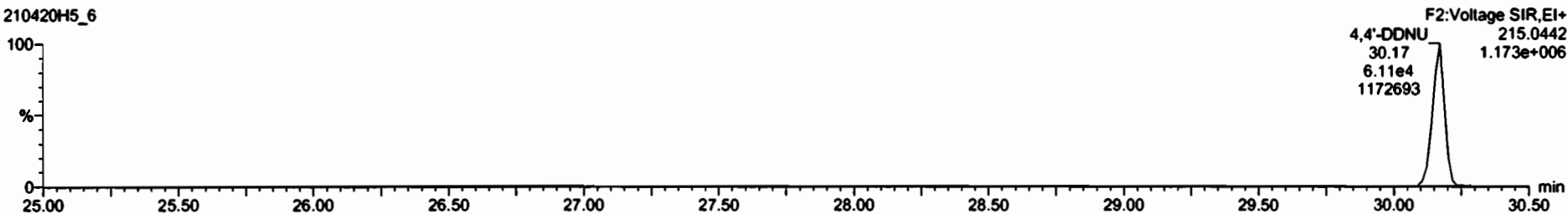
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**4,4'-DDNU**  
210420H5\_6



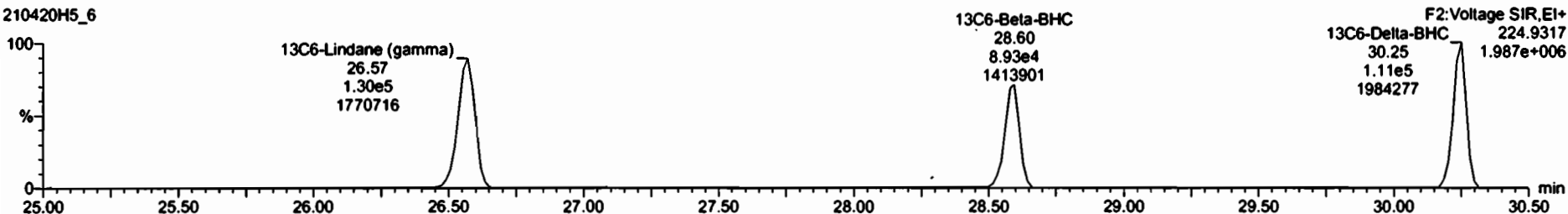
210420H5\_6



**13C6-Delta-BHC**  
210420H5\_6



210420H5\_6



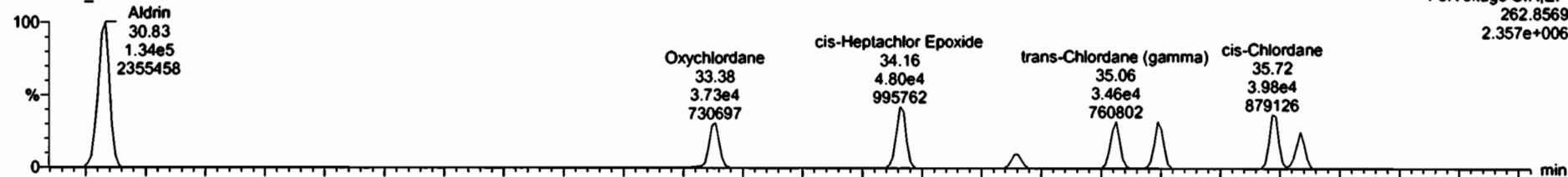
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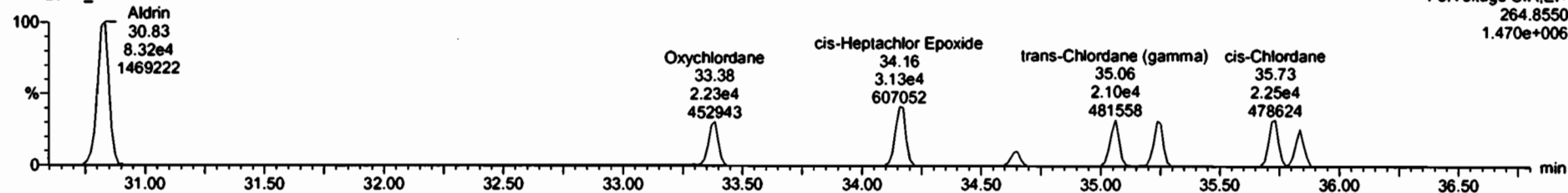
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**Aldrin-EI**

210420H5\_6

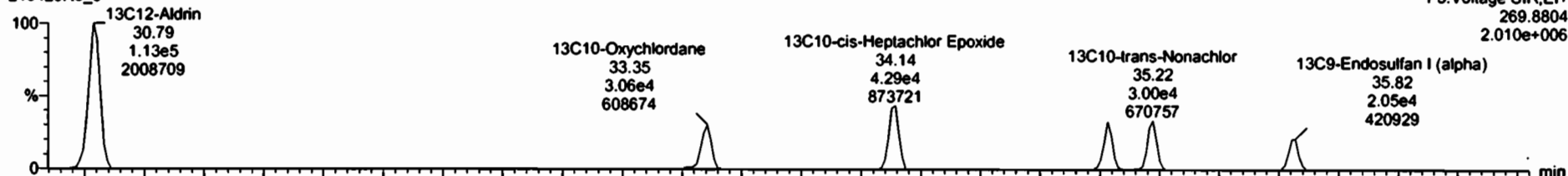


210420H5\_6

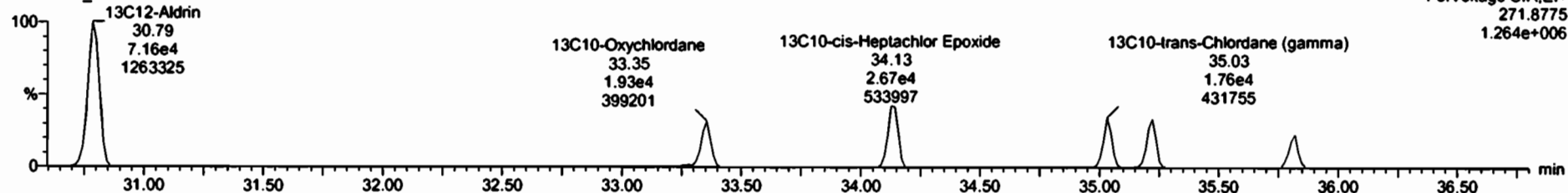


**Aldrin-EI-isotopes**

210420H5\_6



210420H5\_6





Dataset: Untitled

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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

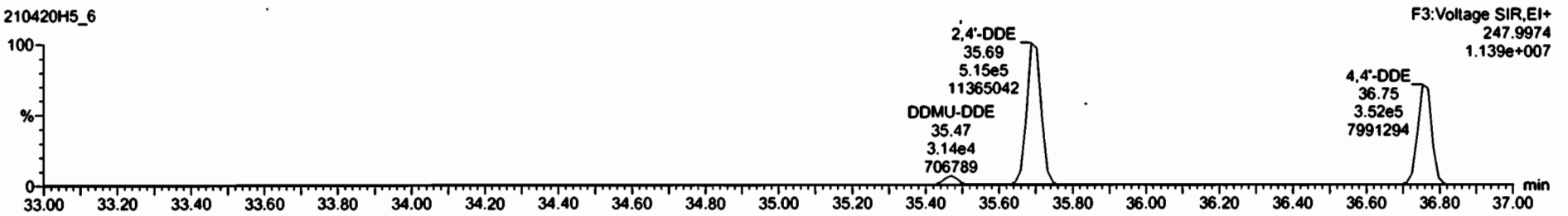
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**DDMU-DDE**

210420H5\_6



210420H5\_6

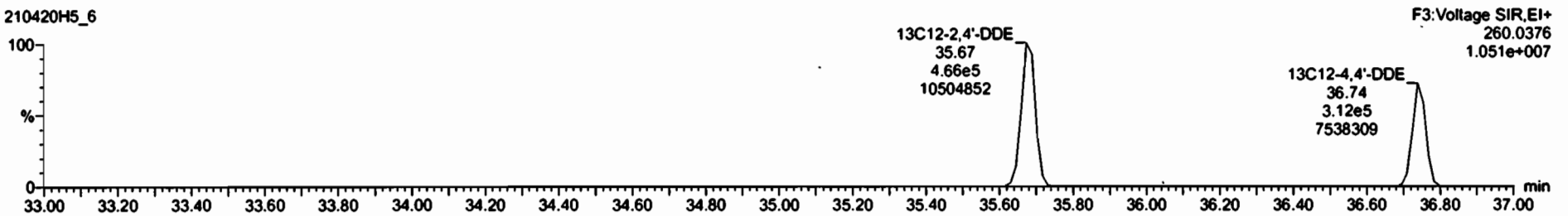


**DDE-isotopes**

210420H5\_6



210420H5\_6



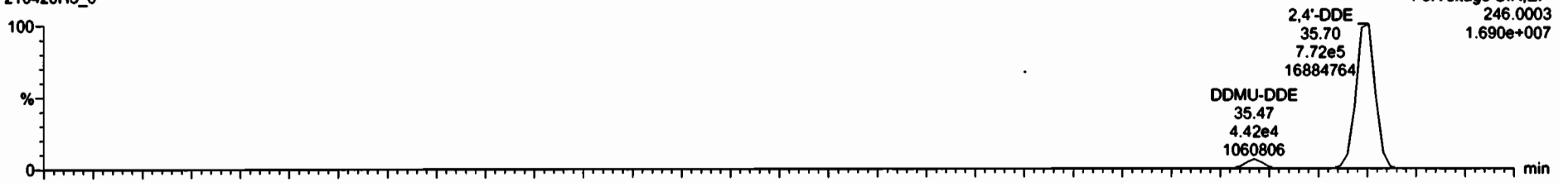
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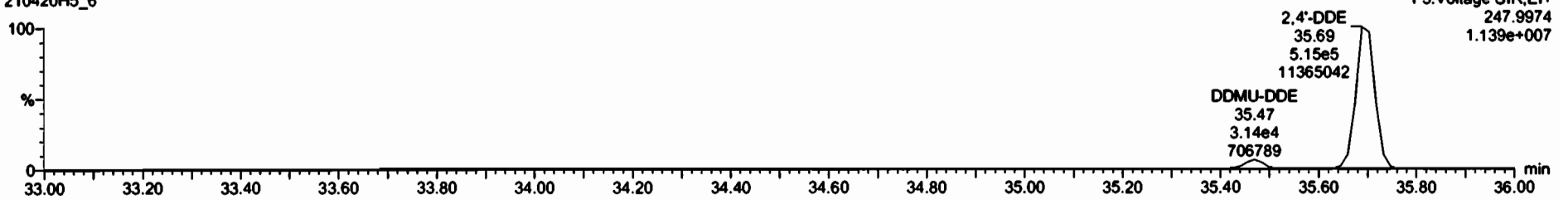
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**2,4'-DDE**

210420H5\_6

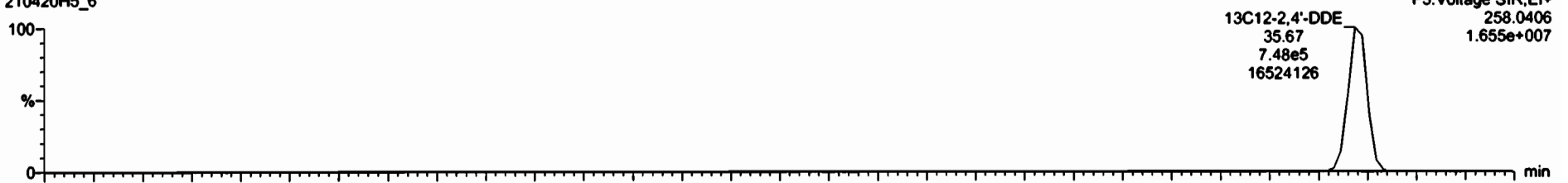


210420H5\_6

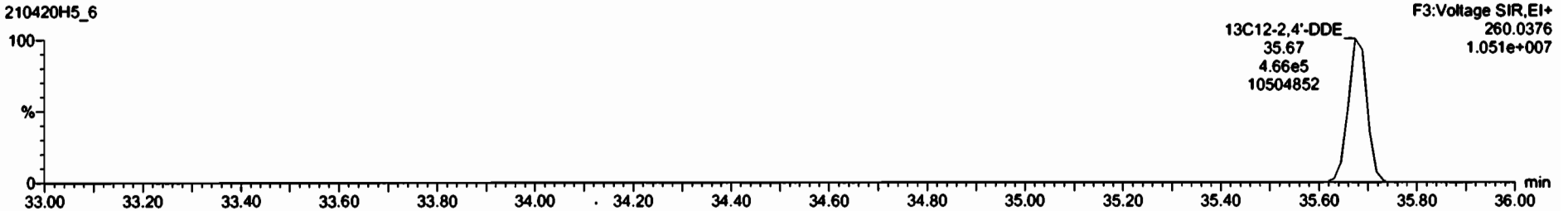


**13C12-2,4'-DDE**

210420H5\_6



210420H5\_6



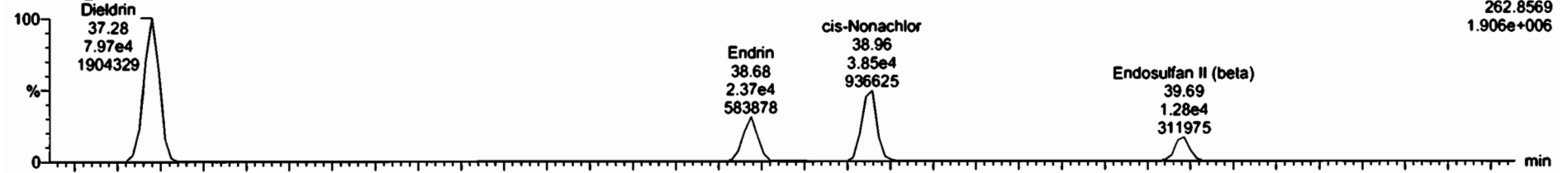
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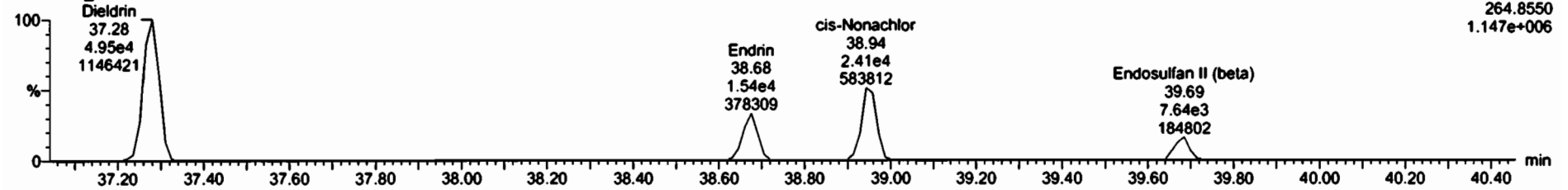
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Dieldrin-EII

210420H5\_6

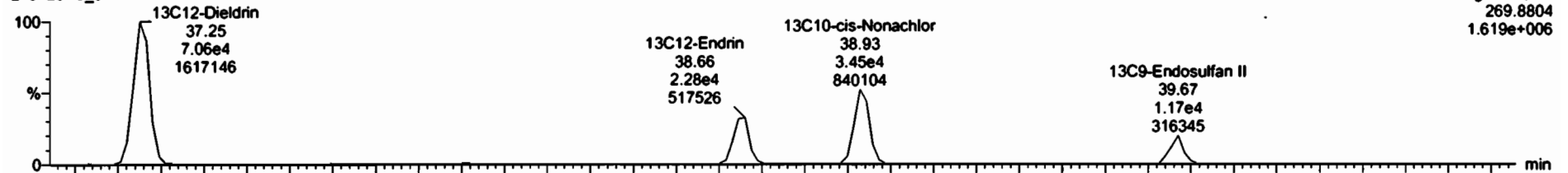


210420H5\_6

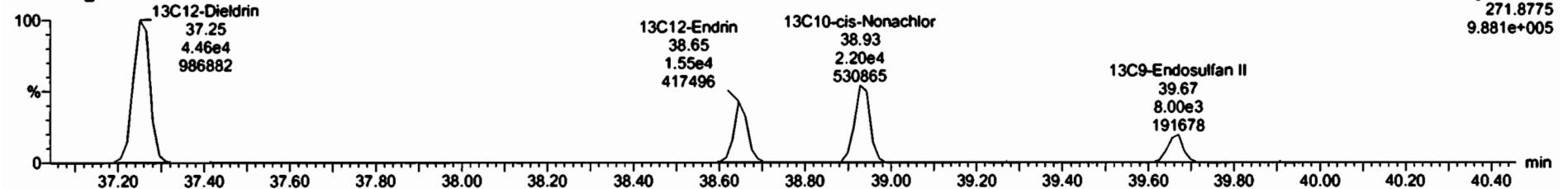


Dieldrin-EII-isotopes

210420H5\_6



210420H5\_6

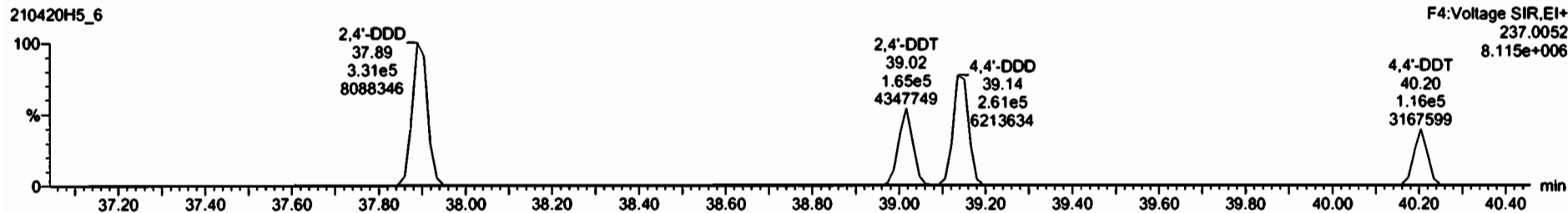
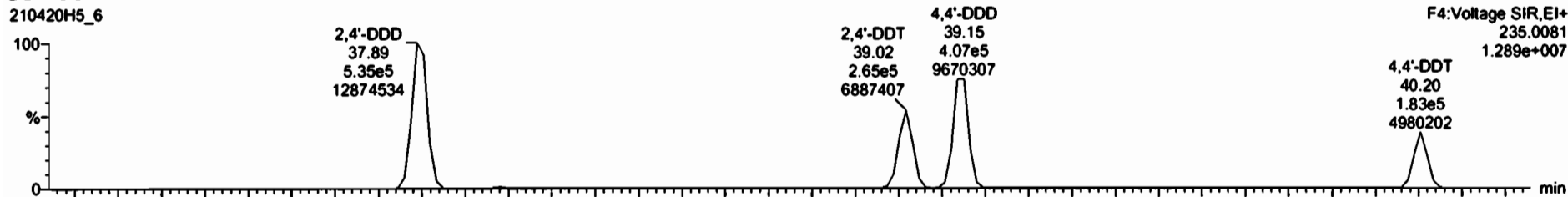


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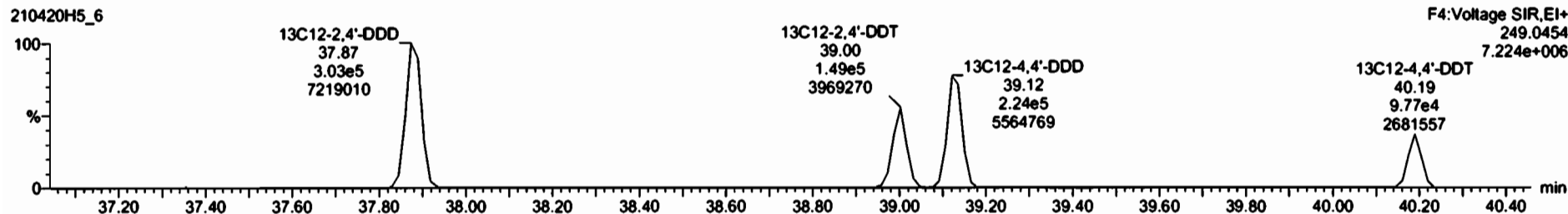
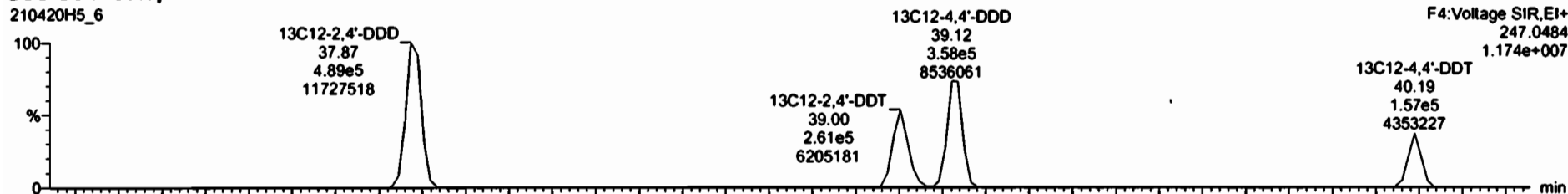
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5\_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



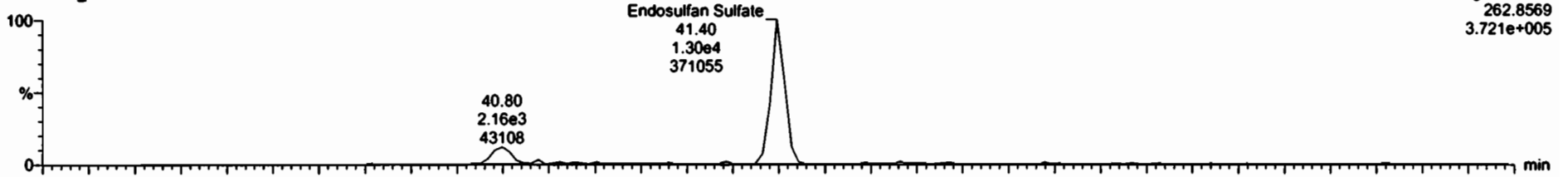
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5\_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

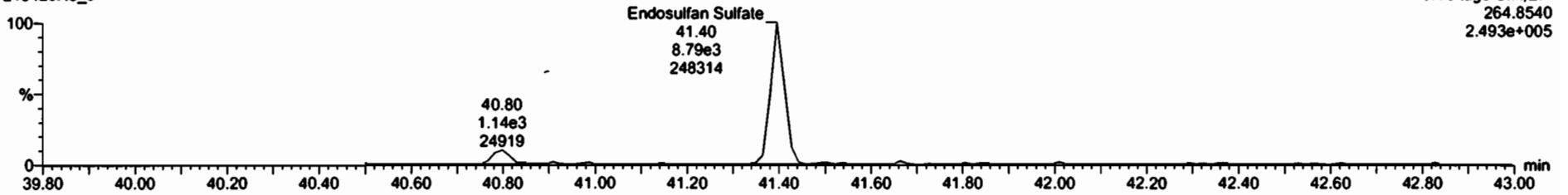
Endosulfan Sulfate

210420H5\_6



F5:Voltage SIR,EI+  
262.8569  
3.721e+005

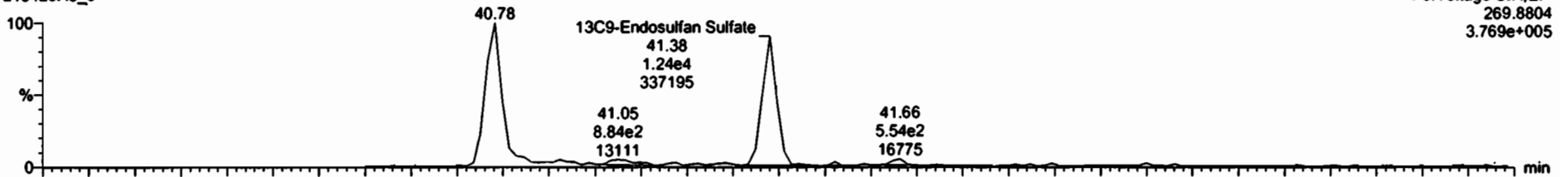
210420H5\_6



F5:Voltage SIR,EI+  
264.8540  
2.493e+005

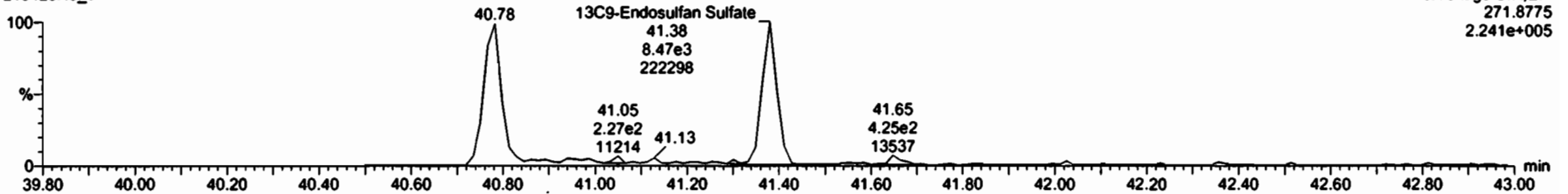
13C9-Endosulfan Sulfate

210420H5\_6



F5:Voltage SIR,EI+  
269.8804  
3.769e+005

210420H5\_6



F5:Voltage SIR,EI+  
271.8775  
2.241e+005

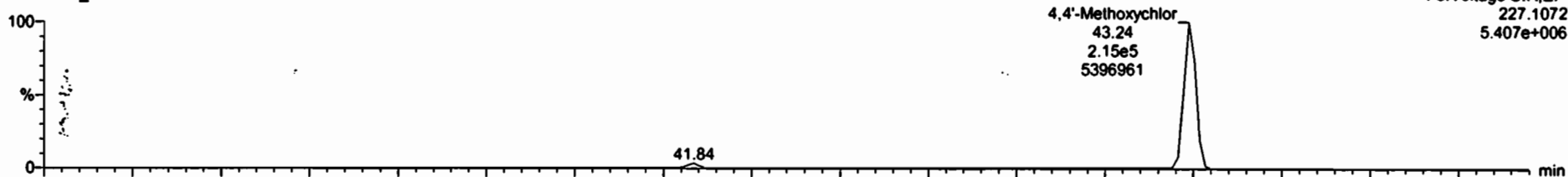
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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

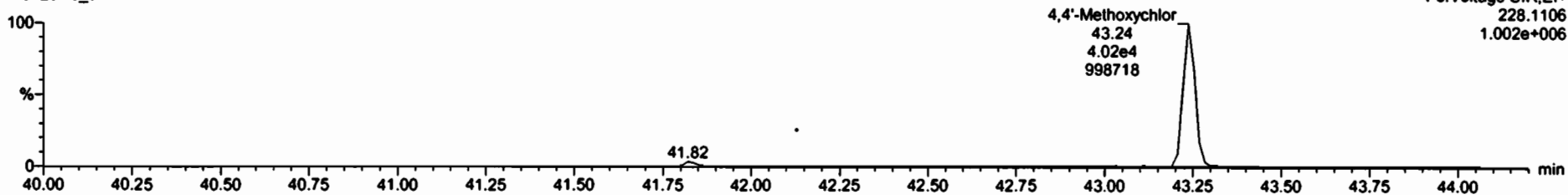
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**4,4'-Methoxychlor**

210420H5\_6



210420H5\_6

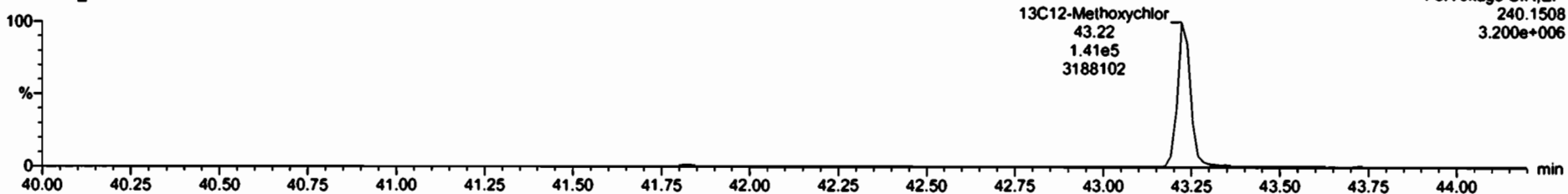


**13C12-Methoxychlor**

210420H5\_6



210420H5\_6



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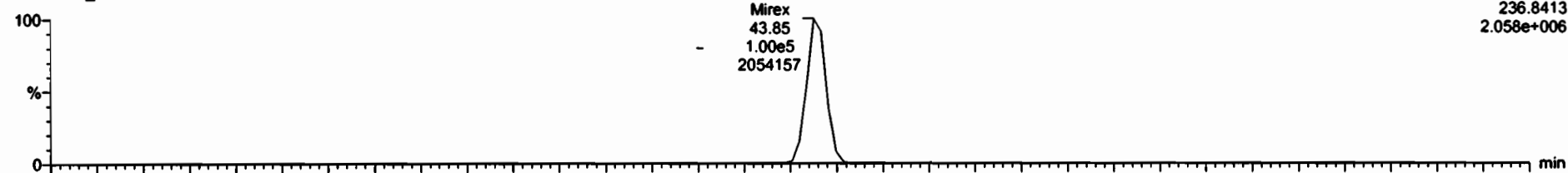
Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

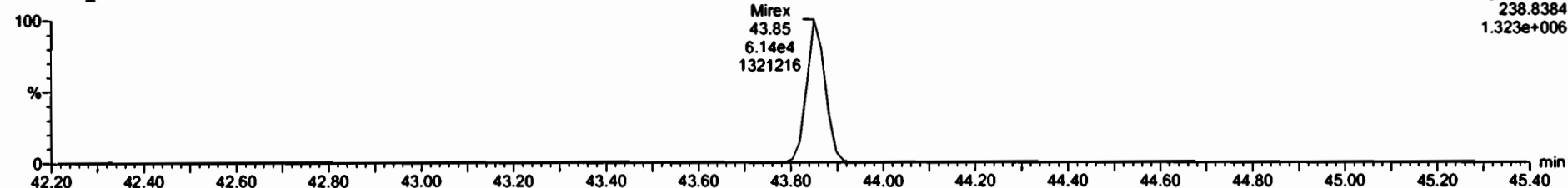
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**Mirex**

210420H5\_6

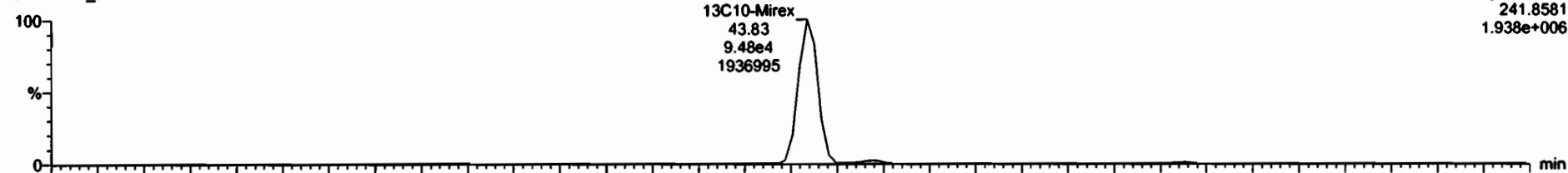


210420H5\_6

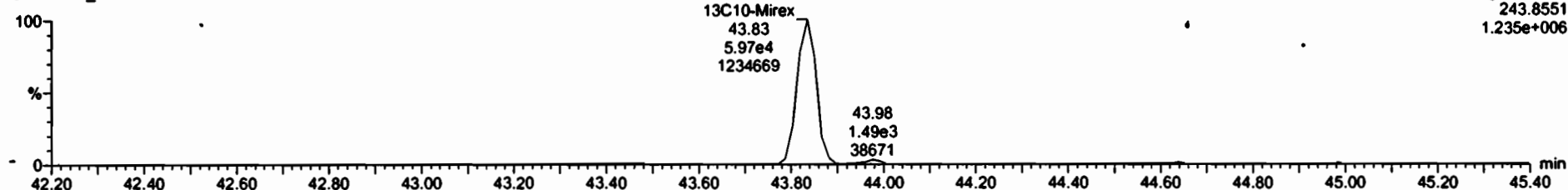


**13C10-Mirex**

210420H5\_6



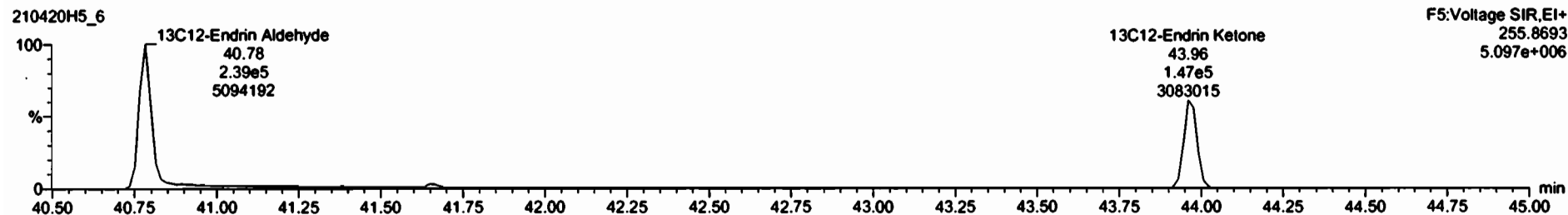
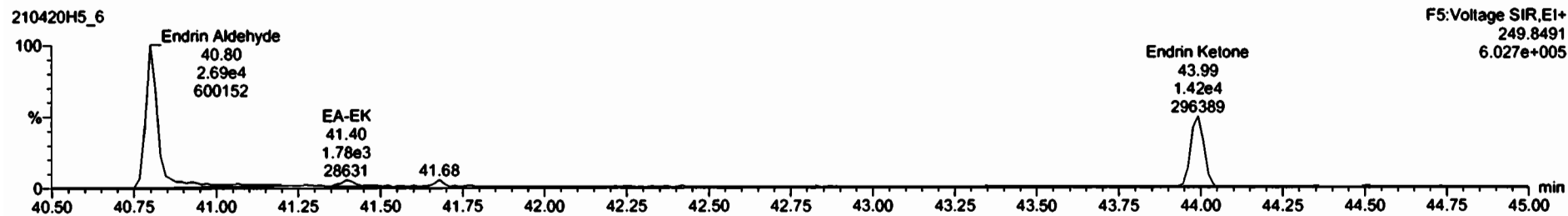
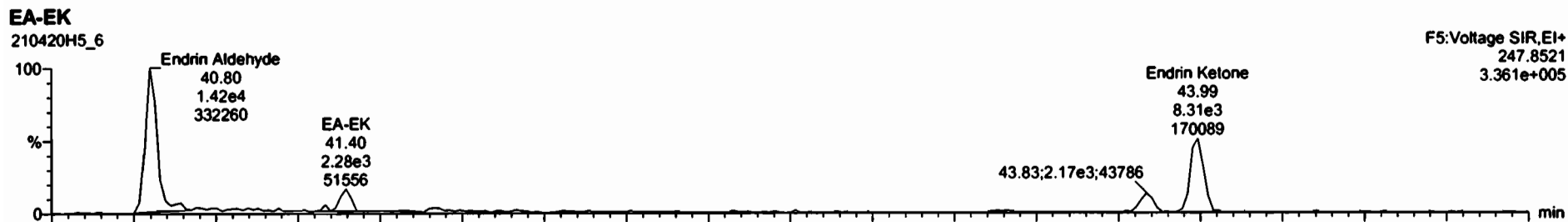
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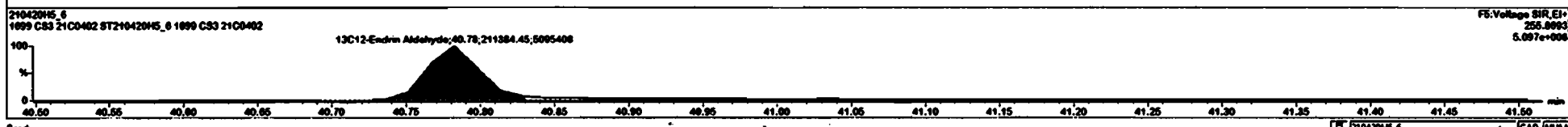
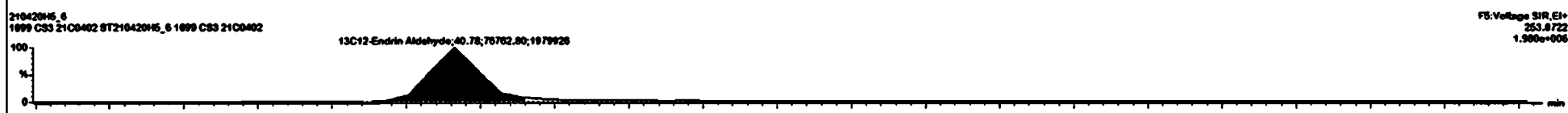
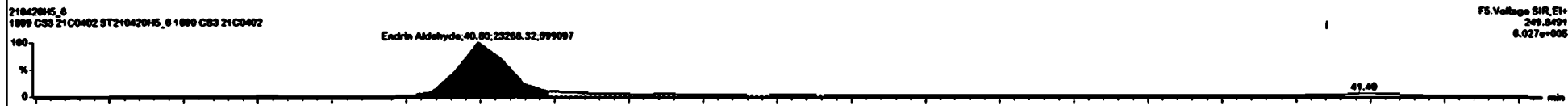
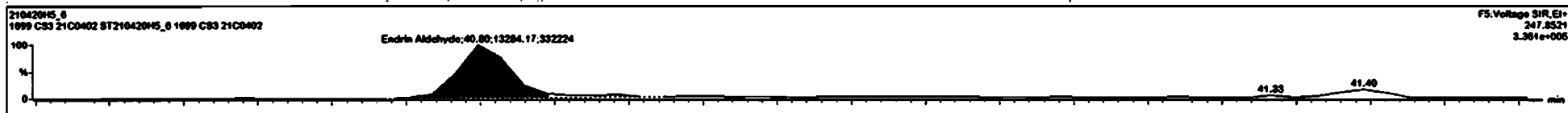
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5\_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402





Sl	RT	RA	Yth	Area	Σ Area	Std Conc	%Dev	%RSD	RPF @	RPF SD
29	29	4'-Methoxychlor	NO	2.5483e5	2.1189e6	50.000	3.9	4.47	1.16	0.0517
30	30	Mirex	NO	1.6171e5	1.5444e5	50.000	2.4	10.0	1.02	0.103
31	31	Endrin Aldehyde	NO	3.8552e4	2.8815e5	50.000	7.1	8.56	1.18	0.181
32	32	Endrin Ketone	NO	2.2521e4	2.0290e5	50.000	6.7	6.39	1.04	0.0873
33	33	13C4-Hexachlorocyclopentadiene	NO	2.6734e6	1.2385e6	500.000	17.9	21.0	0.197	0.0414
34	34	13C8-Hexachlorobenzene	NO	1.0980e6	1.2385e6	50.000	-6.8	5.14	0.894	0.0408
35	35	13C6-Alpha-BHC	NO	3.1198e5	1.2385e6	50.000	1.0	5.23	0.249	0.0131
36	36	13C8-Lindane (gamma)	NO	2.3189e5	1.2385e6	50.000	-1.3	4.57	0.190	0.00867
37	37	13C8-Beta-BHC	NO	1.5785e5	1.2385e6	50.000	-2.5	5.53	0.131	0.00723
38	38	13C6-Delta-BHC	NO	1.8813e5	1.2385e6	50.000	-3.2	7.58	0.165	0.0124
39	39	13C18-Heptachlor	NO	1.1784e5	1.2385e6	50.000	-10.6	7.46	0.105	0.00793
40	40	13C12-Aldrin	NO	1.8477e5	1.2385e6	50.000	-2.0	4.76	0.152	0.00724
41	41	13C18-Chrysothene	NO	4.8822e4	1.2385e6	50.000	-8.0	5.80	0.0441	0.00258
42	42	13C18-cis-Heptachlor Epo	NO	6.9534e4	1.2385e6	50.000	-2.2	3.68	0.0574	0.00211
43	43	13C18-trans-Chlordane (g...)	NO	4.4788e4	1.2385e6	50.000	-7.3	5.58	0.0290	0.00217
44	44	13C18-trans-Nonachlor	NO	4.8812e4	6.4789e5	50.000	-2.4	3.61	0.0772	0.00278
45	45	13C8-Endosulfan I (alpha)	NO	3.3222e4	6.4789e5	50.000	-5.2	14.6	0.0541	0.00788
46	46	13C12-2,4'-DDE	NO	1.2149e6	6.4789e5	50.000	2.0	2.47	1.84	0.0455
47	47	13C12-4,4'-DDE	NO	6.1298e5	6.4789e5	50.000	-3.9	3.15	1.31	0.0411
48	48	13C12-Dieldrin	NO	1.1521e5	6.4789e5	50.000	0.4	3.10	0.177	0.00556



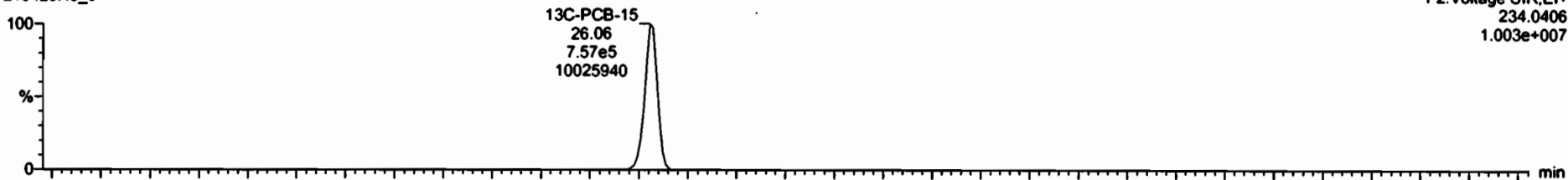
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

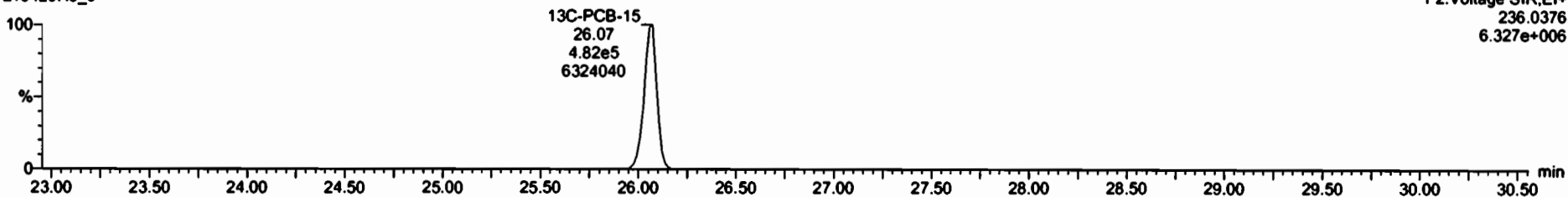
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13C-PCB-15

210420H5\_6



210420H5\_6

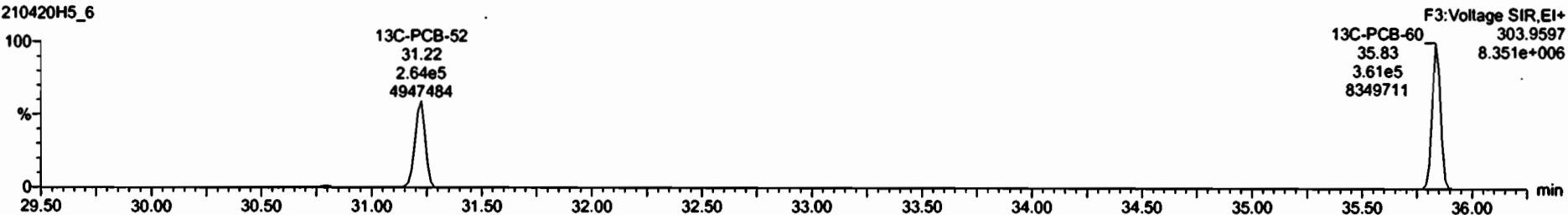


13C-PCB-60

210420H5\_6



210420H5\_6



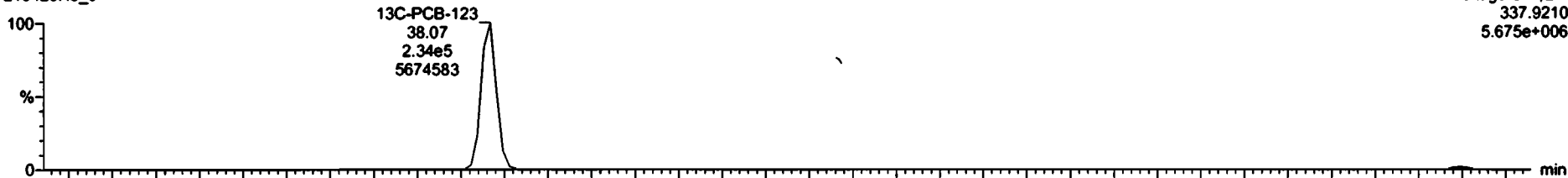
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Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

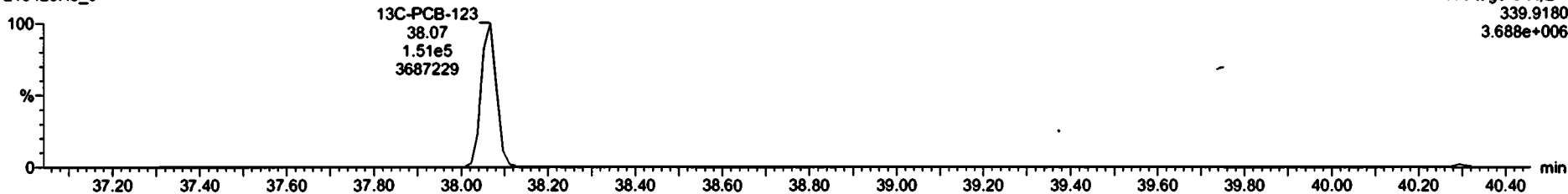
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13C-PCB-123

210420H5\_6



210420H5\_6

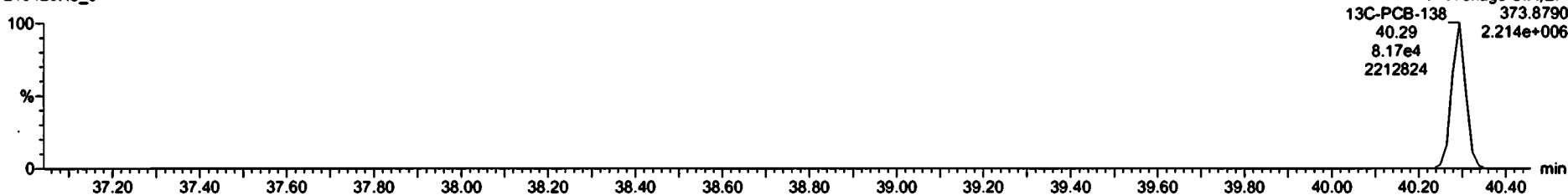


13C-PCB-138

210420H5\_6



210420H5\_6



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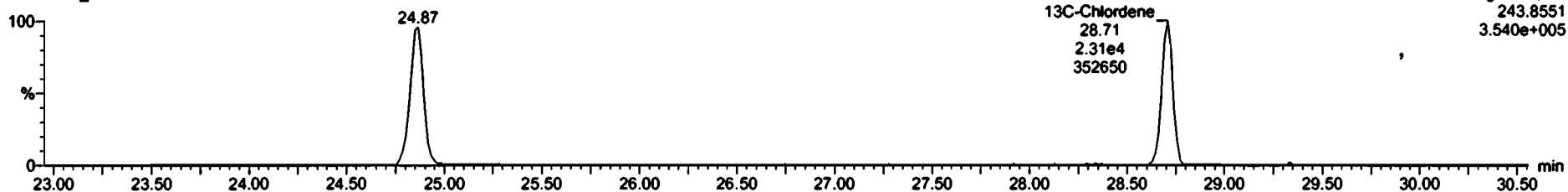
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13C-Chlordene

210420H5\_6

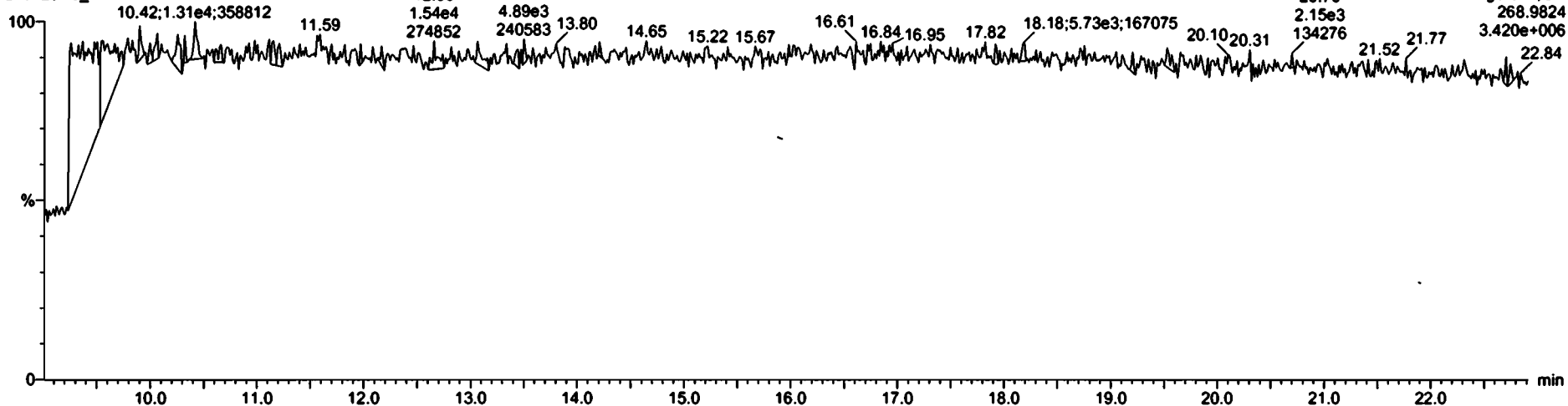


210420H5\_6



PFK1

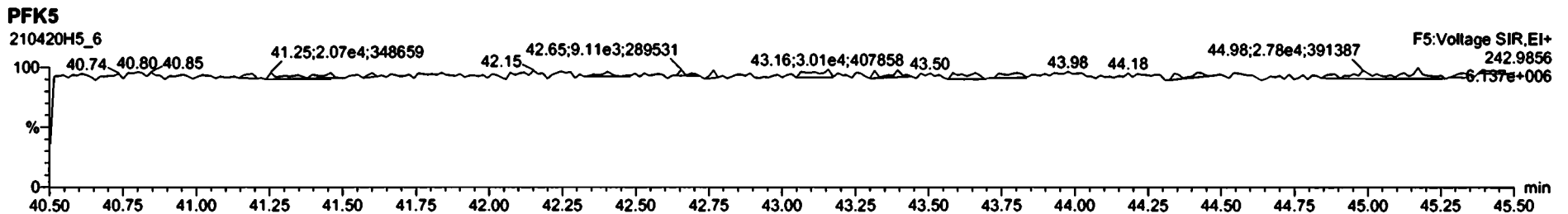
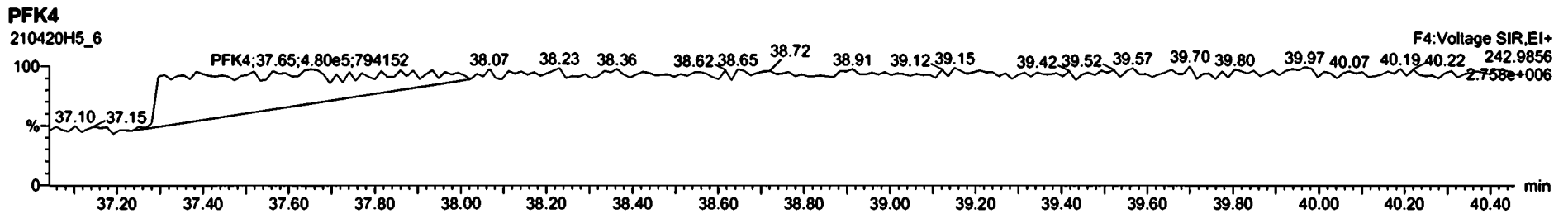
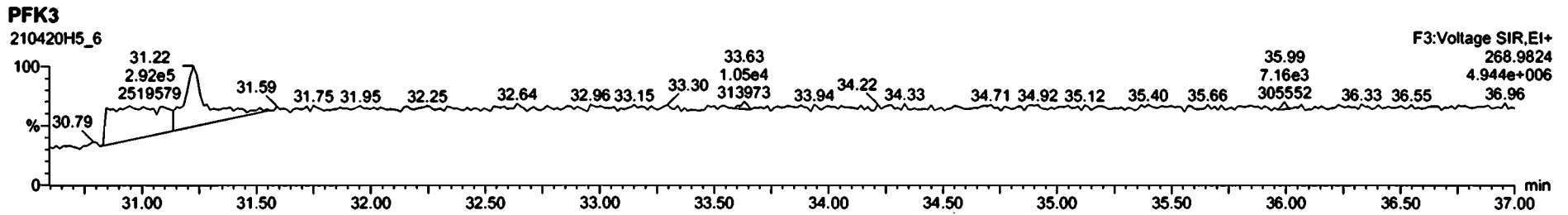
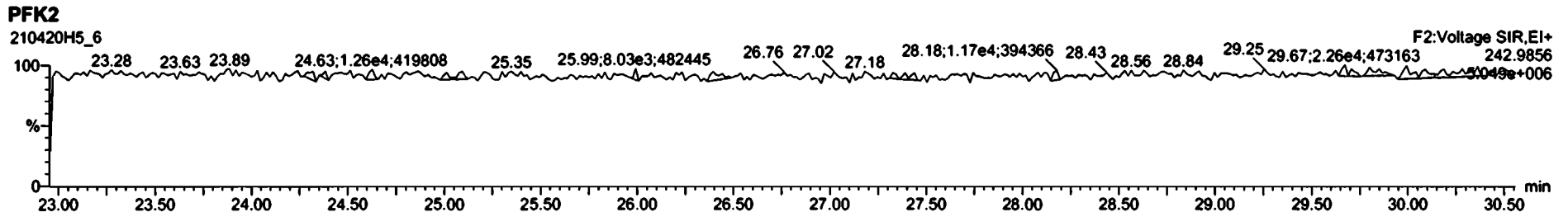
210420H5\_6



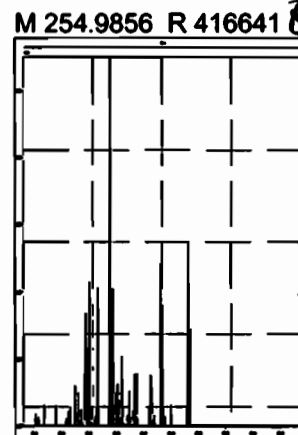
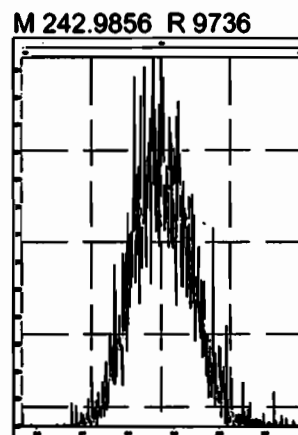
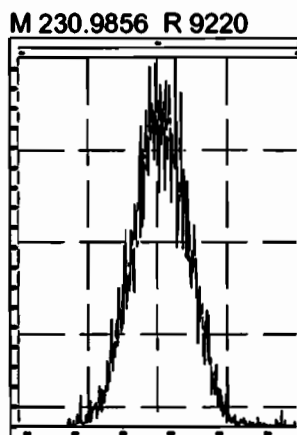
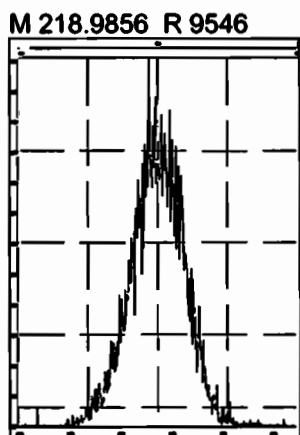
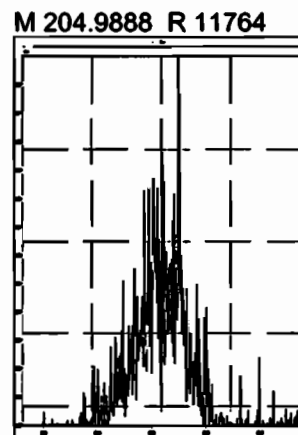
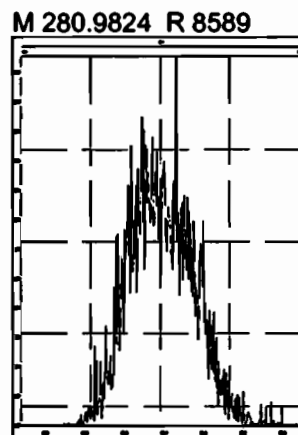
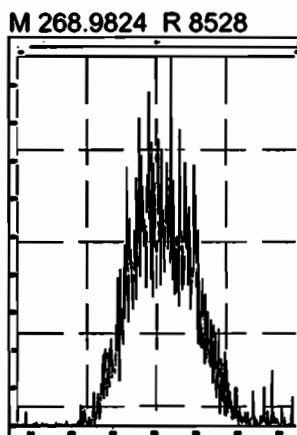
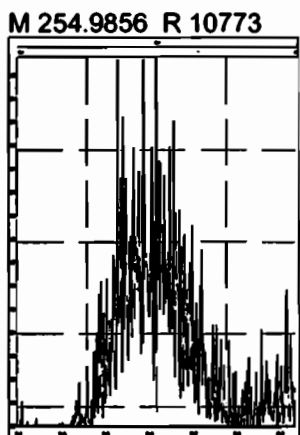
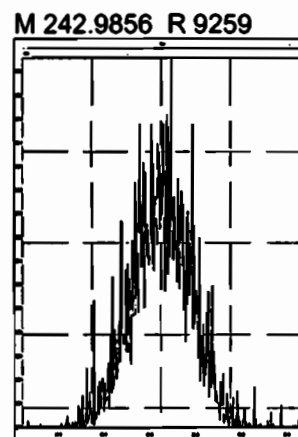
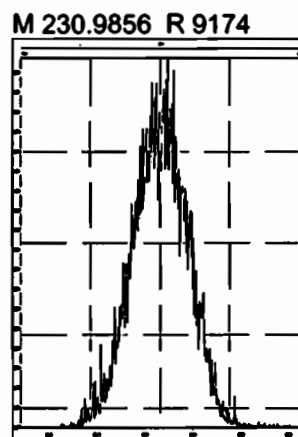
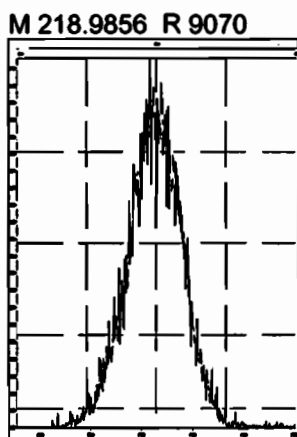
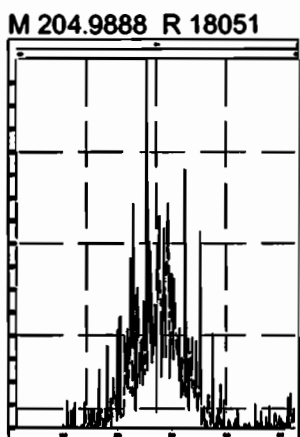
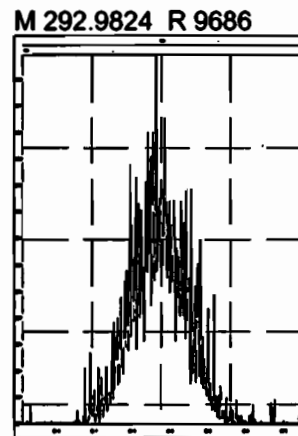
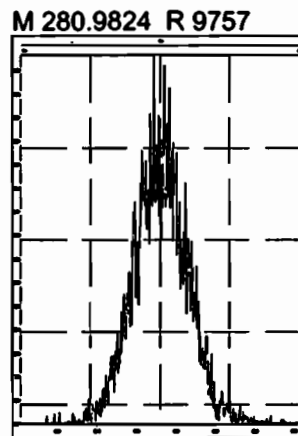
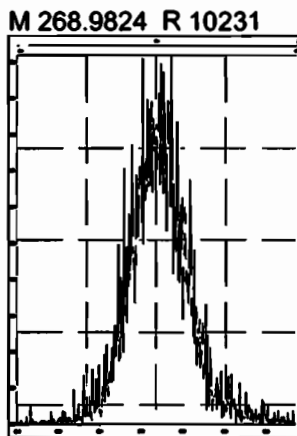
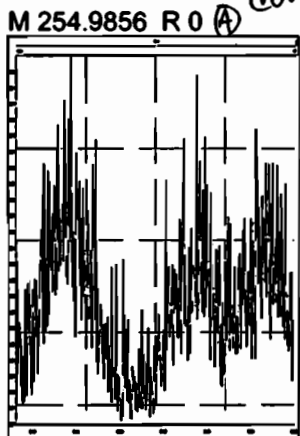
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Last Altered: Wednesday, April 21, 2021 10:40:25 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 10:41:06 Pacific Daylight Time

Name: 210420H5\_6, Date: 20-Apr-2021, Time: 22:15:33, ID: ST210420H5\_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402



*Column bleed*



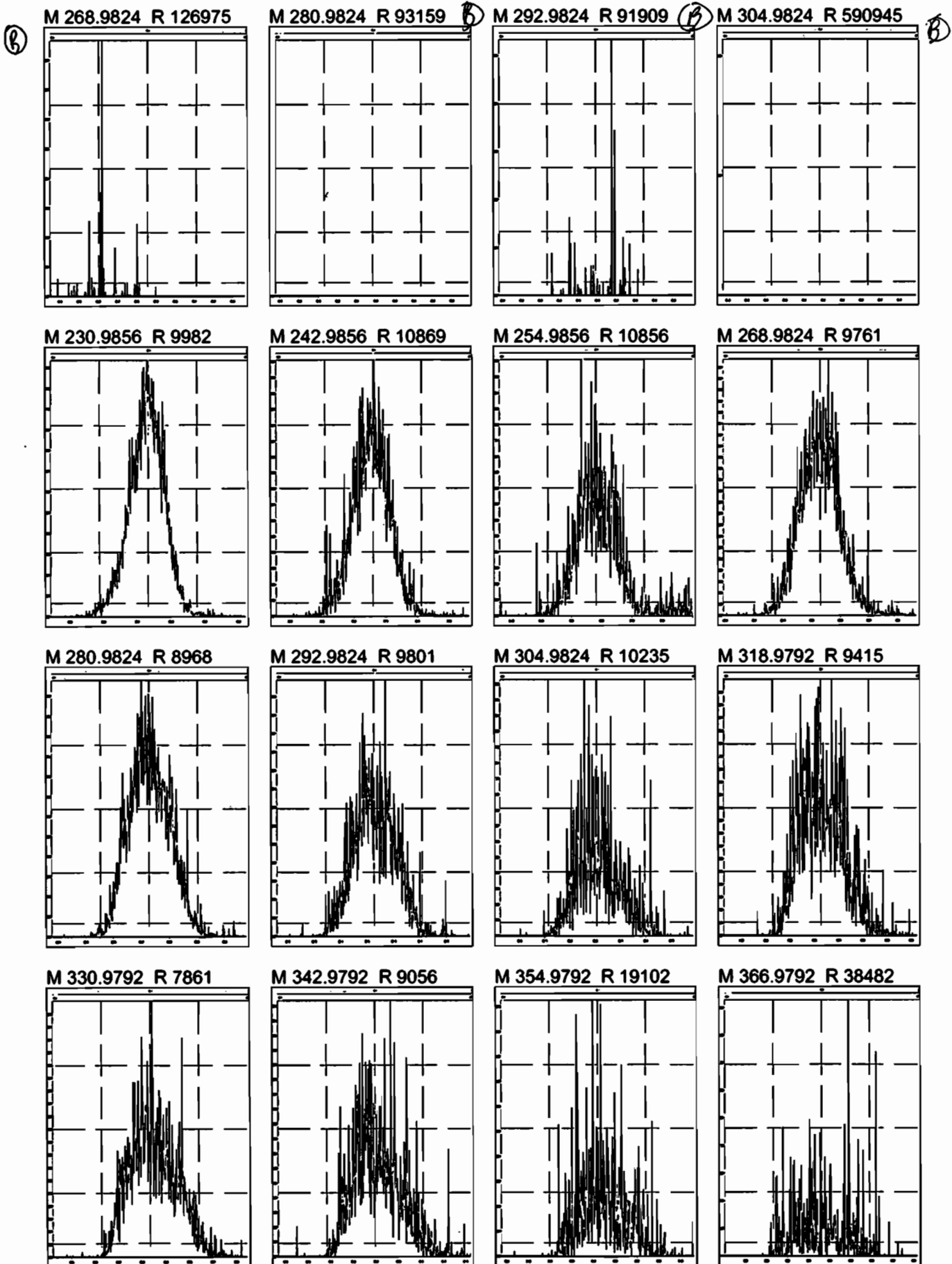
*Mass did not control*

13 mess  
Did not control

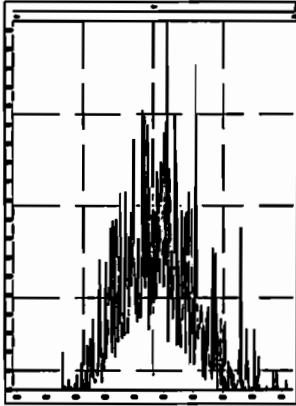
Resolution Check Report

MassLynx 4.1 SCN815

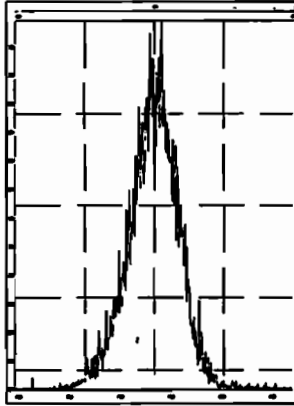
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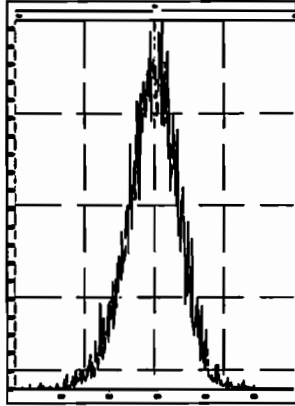
M 380.9760 R 9298



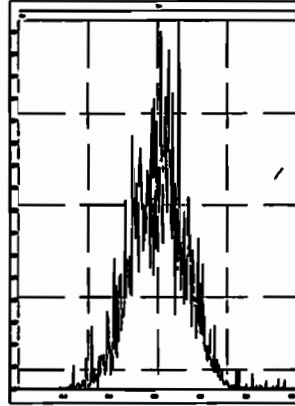
M 218.9856 R 10178



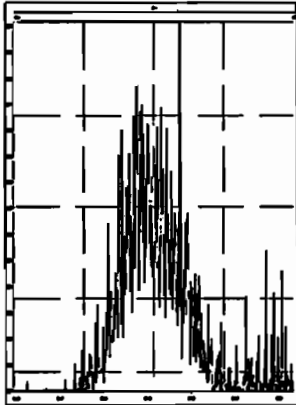
M 230.9856 R 9594



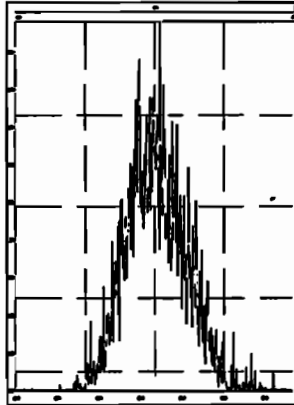
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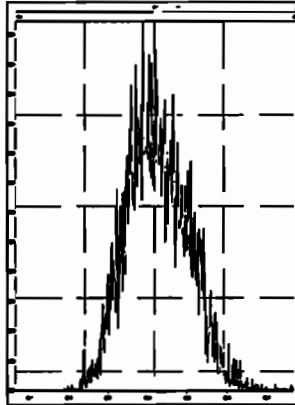
M 254.9856 R 10508



M 268.9824 R 9070



M 280.9824 R 8830





Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:06:00 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:07:06 Pacific Daylight Time

DF04/21/21  
HM 04/21/21

Method: U:\vg10.PRO\MethDB\1699rrt-04-12-21.mdb 12 Apr 2021 14:28:49  
Calibration: U:\vg10.PRO\CurveDB\vb-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5\_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5\_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210420H5

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	3.65e6	1.84e6	1.27	NO	0.984	1.000	22.71	1.001	1.000	NO	101.20	101	0.00100	101
2	3 Alpha-BHC	8.63e5	5.21e5	2.12	NO	0.817	1.000	23.26	1.001	1.001	NO	101.41	101	0.0270	101
3	4 Lindane (gamma-...	6.68e5	3.91e5	2.13	NO	0.847	1.000	26.60	1.001	1.000	NO	100.96	101	0.0375	101
4	5 Beta-BHC	5.40e5	2.71e5	2.15	NO	0.983	1.000	28.61	1.001	1.001	NO	101.17	101	0.0388	101
5	6 Delta-BHC	6.52e5	3.45e5	2.10	NO	0.908	1.000	30.27	1.001	1.001	NO	103.88	104	0.0307	104
6	7 Heptachlor	4.57e5	2.01e5	1.29	NO	1.10	1.000	28.74	1.001	1.001	NO	103.04	103	0.0199	103
7	9 Aldrin	7.12e5	3.05e5	1.61	NO	1.12	1.000	30.83	1.001	1.001	NO	104.52	105	0.0345	105
8	10 Oxychlorodane	1.96e5	8.62e4	1.63	NO	1.11	1.000	33.38	1.001	1.001	NO	102.67	103	0.102	103
9	11 cis-Heptachlor Ep...	2.62e5	1.12e5	1.63	NO	1.13	1.000	34.16	1.000	1.001	NO	103.74	104	0.0739	104
10	12 trans-Heptachlor E...	6.15e4	1.12e5	1.77	NO	0.273	1.000	34.65	1.015	1.016	NO	101.01	101	0.306	101
11	13 trans-Chlordane (g...	1.82e5	7.36e4	1.57	NO	1.19	1.000	35.06	1.001	1.001	NO	103.75	104	0.106	104
12	14 trans-Nonachlor	1.86e5	8.15e4	1.65	NO	1.09	1.000	35.25	1.001	1.000	NO	104.67	105	0.0989	105
13	15 cis-Chlordane	2.07e5	8.15e4	1.58	NO	1.20	1.000	35.73	1.014	1.016	NO	105.67	106	0.0896	106
14	16 Endosulfan I (alpha)	1.34e5	5.91e4	1.56	NO	1.21	1.000	35.83	1.000	1.001	NO	93.658	93.7	0.124	93.7
15	18 2,4'-DDE	4.19e6	2.04e6	1.49	NO	1.01	1.000	35.70	1.001	1.000	NO	101.49	101	0.0314	101
16	19 4,4'-DDE	2.77e6	1.34e6	1.51	NO	1.03	1.000	36.77	1.001	1.000	NO	99.934	99.9	0.0438	99.9
17	20 Dieldrin	4.12e5	1.93e5	1.59	NO	1.05	1.000	37.28	1.001	1.001	NO	101.04	101	0.0666	101
18	21 Endrin	1.45e5	7.32e4	1.58	NO	0.979	1.000	38.68	1.000	1.001	NO	100.95	101	0.163	101
19	22 cis-Nonachlor	1.79e5	8.63e4	1.57	NO	1.05	1.000	38.96	1.001	1.000	NO	98.581	98.6	0.129	98.6
20	23 Endosulfan II (beta)	5.93e4	3.04e4	1.57	NO	1.09	1.000	39.69	1.000	1.000	NO	89.529	89.5	0.319	89.5
21	24 2,4'-DDD	2.65e6	1.28e6	1.55	NO	1.03	1.000	37.89	1.000	1.000	NO	100.87	101	0.0849	101
22	25 2,4'-DDT	1.35e6	6.15e5	1.56	NO	1.02	1.000	39.02	1.000	1.000	NO	107.93	108	0.158	108
23	26 4,4'-DDD	2.02e6	9.10e5	1.54	NO	1.10	1.000	39.15	1.000	1.000	NO	100.66	101	0.103	101
24	27 4,4'-DDT	9.00e5	4.07e5	1.57	NO	1.11	1.000	40.20	1.000	1.001	NO	99.736	99.7	0.220	99.7
25	28 Endosulfan Sulfate	6.90e4	3.11e4	1.69	NO	1.04	1.000	41.40	1.000	1.000	NO	107.07	107	0.405	107
26	29 4,4'-Methoxychlor	7.31e5	3.17e6	5.37	NO	1.16	1.000	43.24	1.000	1.000	NO	99.500	99.5	0.0807	99.5
27	30 Mirex	4.53e5	2.15e5	1.53	NO	1.02	1.000	43.85	1.000	1.001	NO	102.82	103	0.108	103
28	31 Endrin Aldehyde	1.15e5	4.33e5	0.60	NO	1.18	1.000	40.80	1.000	1.000	NO	111.67	112	0.511	112
29	32 Endrin Ketone	7.44e4	2.96e5	0.60	NO	1.04	1.000	43.99	1.000	1.000	NO	120.65	121	0.918	121
30	34 13C6-Hexachlorob...	1.84e6	2.27e6	1.29	NO	0.894	1.000	22.69	0.870	0.871	NO	45.330	90.7	0.0008...	
31	35 13C6-Alpha-BHC	5.21e5	2.27e6	0.80	NO	0.249	1.000	23.23	0.891	0.891	NO	46.090	92.2	0.0683	

75-1251

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:06:00 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 11:07:06 Pacific Daylight Time

Name: 210420H5\_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5\_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210420H5

#	Name	Resp	IS Area	RA	n/y	RRF	w/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (ga...	3.91e5	2.27e6	0.77	NO	0.190	1.000	26.57	1.019	1.019	NO	45.491	91.0	0.0899	
33	37 13C6-Beta-BHC	2.71e5	2.27e6	0.77	NO	0.131	1.000	28.60	1.097	1.097	NO	45.824	91.6	0.130	
34	38 13C6-Delta-BHC	3.45e5	2.27e6	0.79	NO	0.165	1.000	30.25	1.160	1.160	NO	46.131	92.3	0.103	
35	39 13C10-Heptachlor	2.01e5	2.27e6	1.30	NO	0.106	1.000	28.71	1.101	1.102	NO	41.698	83.4	0.0325	
36	40 13C12-Aldrin	3.05e5	2.27e6	1.59	NO	0.152	1.000	30.80	1.181	1.181	NO	44.265	88.5	0.0531	
37	41 13C10-Oxychlorda...	8.62e4	2.27e6	1.57	NO	0.0441	1.000	33.35	1.279	1.280	NO	43.153	86.3	0.183	
38	42 13C10-cis-Heptac...	1.12e5	2.27e6	1.56	NO	0.0574	1.000	34.14	1.310	1.310	NO	42.925	85.9	0.141	
39	43 13C10-trans-Chlor...	7.36e4	2.27e6	1.55	NO	0.0390	1.000	35.03	1.344	1.344	NO	41.671	83.3	0.207	
40	44 13C10-trans-Nona...	8.15e4	1.21e6	1.51	NO	0.0772	1.000	35.22	0.983	0.983	NO	43.542	87.1	0.120	
41	45 13C9-Endosulfan I...	5.91e4	1.21e6	1.68	NO	0.0541	1.000	35.82	1.000	1.000	NO	45.060	90.1	0.172	
42	46 13C12-2,4'-DDE	2.04e6	1.21e6	1.57	NO	1.84	1.000	35.67	0.996	0.995	NO	45.664	91.3	0.0202	
43	47 13C12-4,4'-DDE	1.34e6	1.21e6	1.59	NO	1.31	1.000	36.74	1.025	1.026	NO	42.291	84.6	0.0284	
44	48 13C12-Dieldrin	1.93e5	1.21e6	1.61	NO	0.177	1.000	37.25	1.040	1.040	NO	44.963	89.9	0.0808	
45	49 13C12-Endrin	7.32e4	1.21e6	1.64	NO	0.0828	1.000	38.66	1.079	1.079	NO	36.457	72.9	0.173	
46	50 13C10-cis-Nonach...	8.63e4	1.21e6	1.58	NO	0.0908	1.000	38.93	1.086	1.087	NO	39.188	78.4	0.158	
47	51 13C9-Endosulfan II	3.04e4	1.21e6	1.70	NO	0.0299	1.000	39.67	1.107	1.107	NO	41.955	83.9	0.479	
48	52 13C12-2,4'-DDD	1.28e6	1.21e6	1.61	NO	1.21	1.000	37.89	1.057	1.057	NO	43.490	87.0	0.0333	
49	53 13C12-2,4'-DDT	6.15e5	1.21e6	1.58	NO	0.662	1.000	39.00	1.088	1.089	NO	38.298	76.6	0.0612	
50	54 13C12-4,4'-DDD	9.10e5	1.21e6	1.60	NO	0.950	1.000	39.14	1.092	1.092	NO	39.510	79.0	0.0426	
51	55 13C12-4,4'-DDT	4.07e5	1.21e6	1.59	NO	0.455	1.000	40.19	1.122	1.122	NO	36.874	73.7	0.0891	
52	56 13C9-Endosulfan ...	3.11e4	1.21e6	1.58	NO	0.0363	1.000	41.38	1.155	1.156	NO	35.252	70.5	0.506	
53	57 13C12-Methoxychlor	3.17e6	1.21e6	13.95	NO	0.433	1.000	43.24	1.207	1.207	NO	302.32	60.5	0.135	
54	58 13C10-Mirex	2.15e5	1.21e6	1.60	NO	0.302	1.000	43.83	1.223	1.228	NO	29.355	58.7	0.0427	
55	59 13C12-Endrin Alde...	4.33e5	1.21e6	0.37	NO	0.0457	1.000	40.78	1.138	1.139	NO	390.62	78.1	0.860	
56	60 13C12-Endrin Ket...	2.96e5	1.21e6	0.38	NO	0.0360	1.000	43.98	1.227	1.227	NO	339.21	67.8	1.09	
57	62 13C-PCB-15	2.27e6	2.27e6	1.57	NO	1.00	1.000	26.07	1.000	1.000	NO	50.000	100	0.00857	

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

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Printed: Wednesday, April 21, 2021 11:07:10 Pacific Daylight Time

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Calibration: U:\vg10.PRO\CurveDB\db-50\_1699vg10-4-20-21LIMITED.cdb 21 Apr 2021 10:38:29

Name: 210420H5\_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5\_1 1699 SS 20B2107, Description: 1699 SS 20B2107, Task: ICAL210420H5

#	Name	Resp	IS Area	RA	n/y	RRF	wt/vol	RT	RRT	Pred.RRT	CheckRRT	Conc.	%Rec,	DL	EMPC
1	63 13C-PCB-60	1.21e6	1.21e6	0.80	NO	1.00	1.000	35.83	1.000	1.000	NO	50.000	100	0.0228	

Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

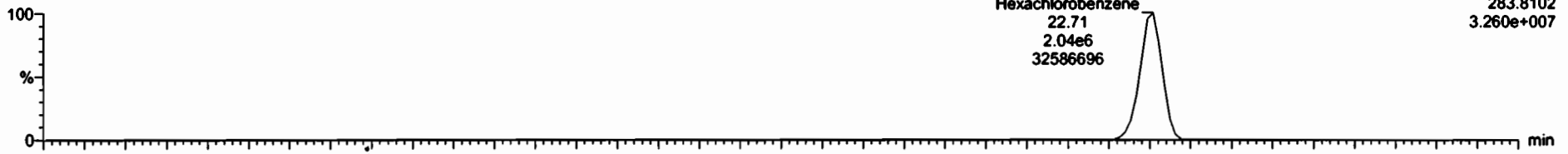
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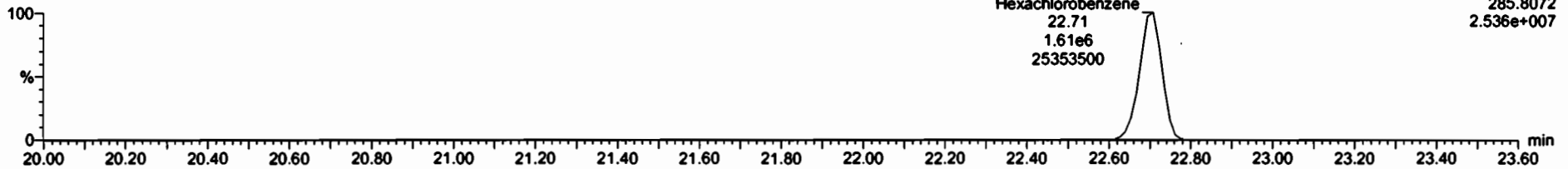
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**Hexachlorobenzene**

210420H5\_7

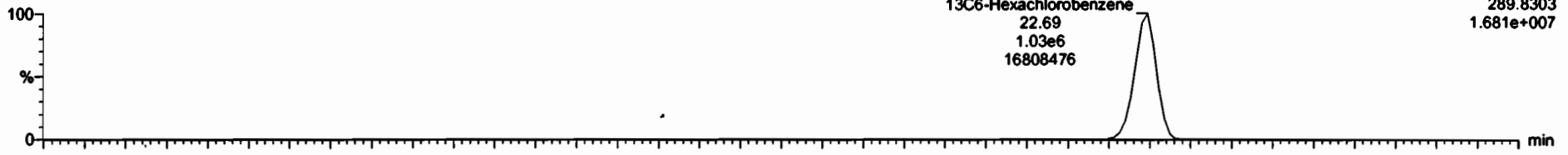


210420H5\_7

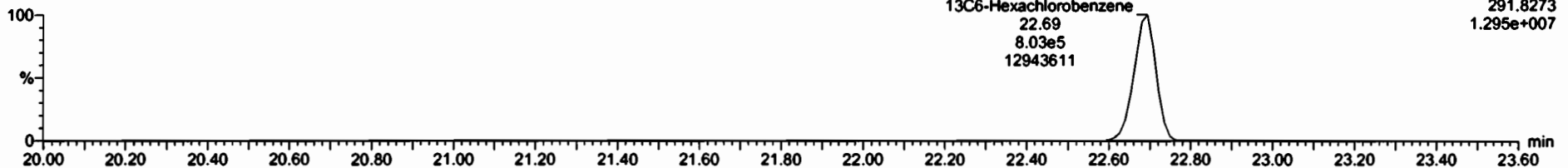


**13C6-Hexachlorobenzene**

210420H5\_7



210420H5\_7



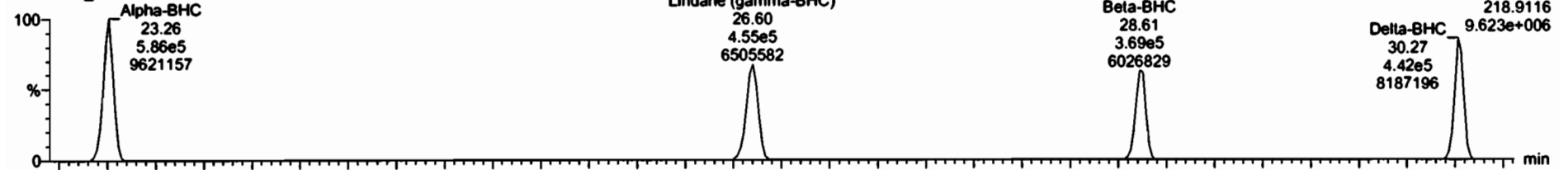
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Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

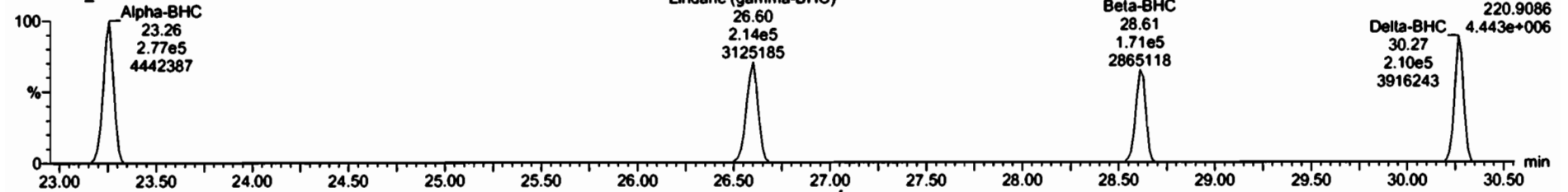
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**BHC Totals**

210420H5\_7

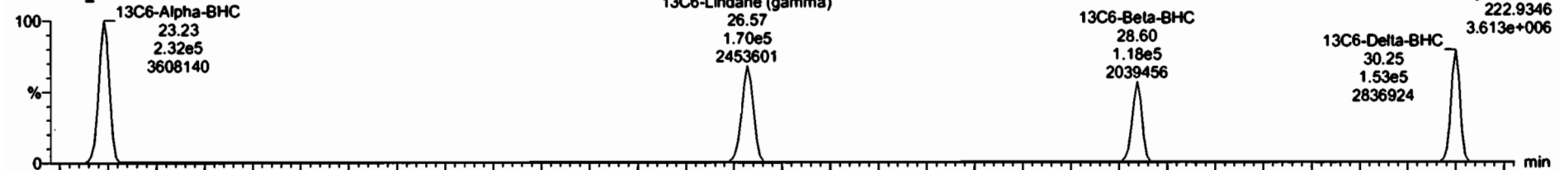


210420H5\_7

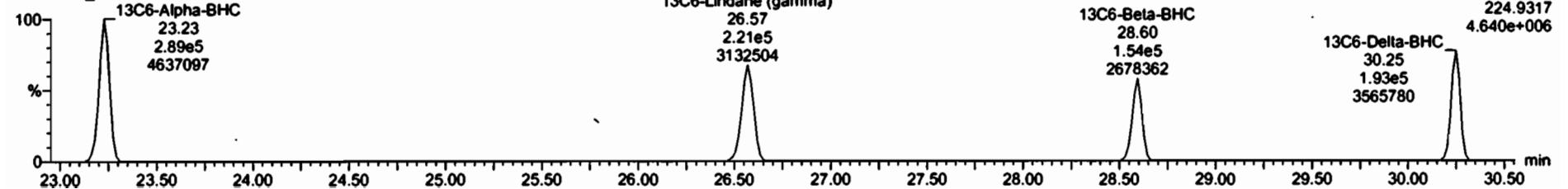


**BHC-isotopes**

210420H5\_7



210420H5\_7



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

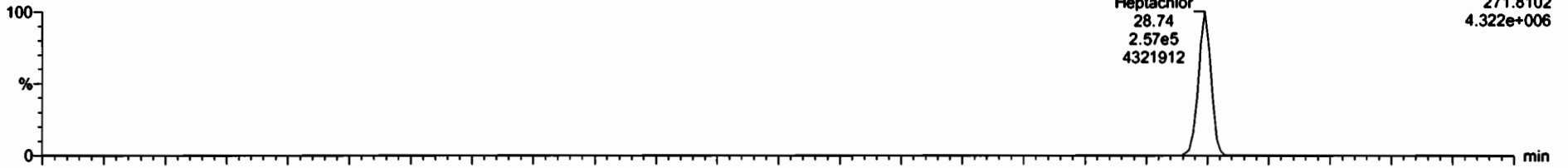
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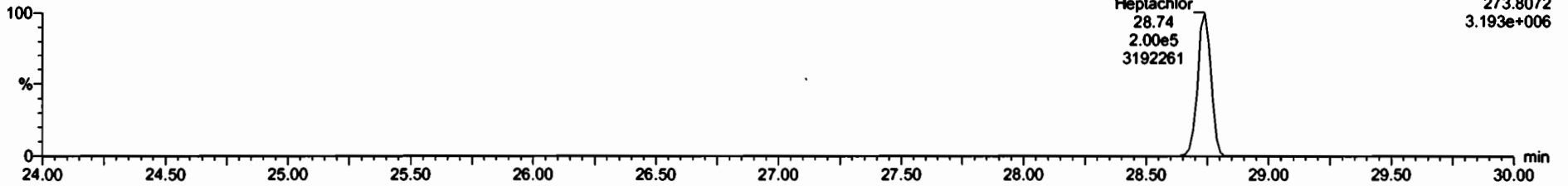
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**Heptachlor**

210420H5\_7

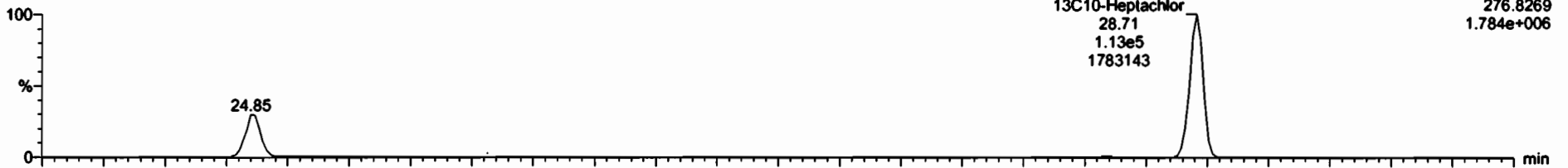


210420H5\_7

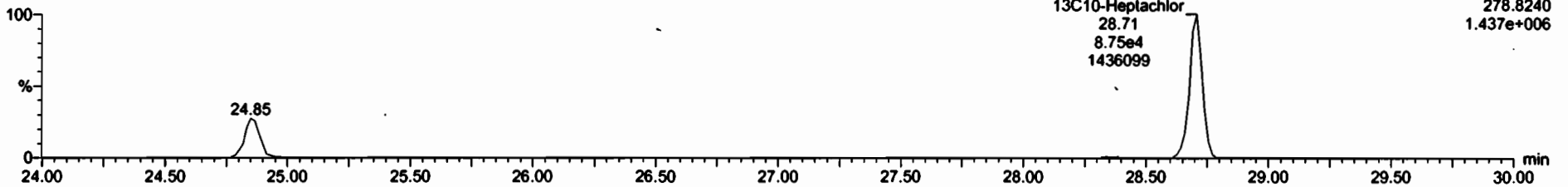


**<sup>13</sup>C<sup>10</sup>-Heptachlor**

210420H5\_7



210420H5\_7



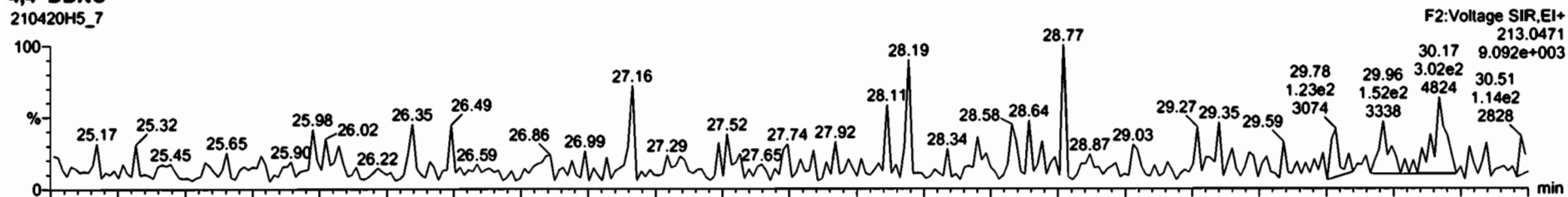
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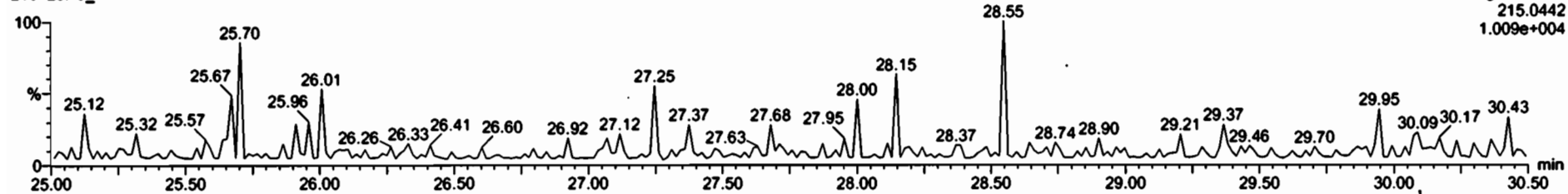
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4,4'-DDNU

210420H5\_7



210420H5\_7

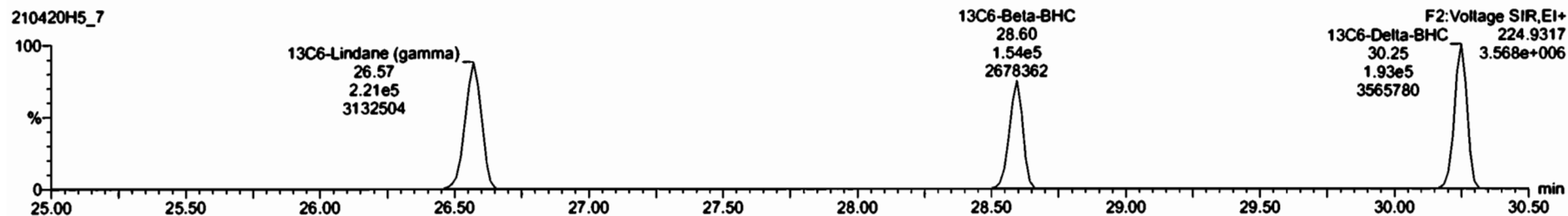


13C6-Delta-BHC

210420H5\_7



210420H5\_7



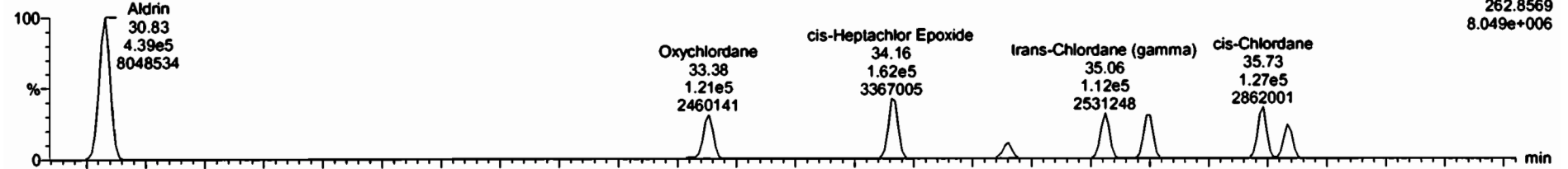
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Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

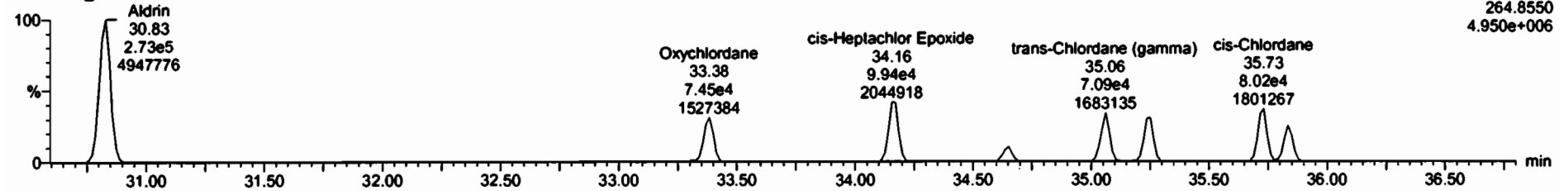
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**Aldrin-EI**

210420H5\_7

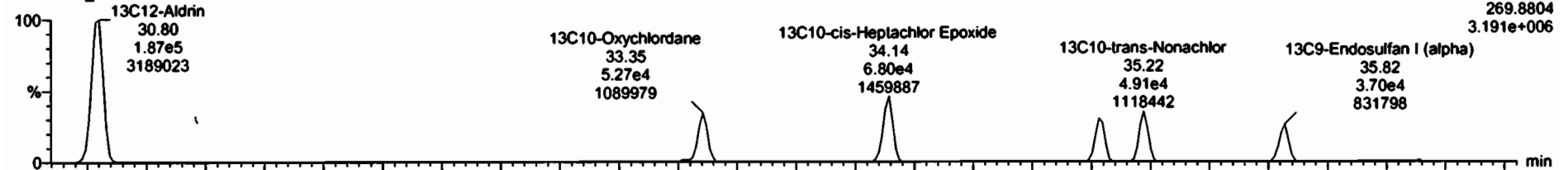


210420H5\_7

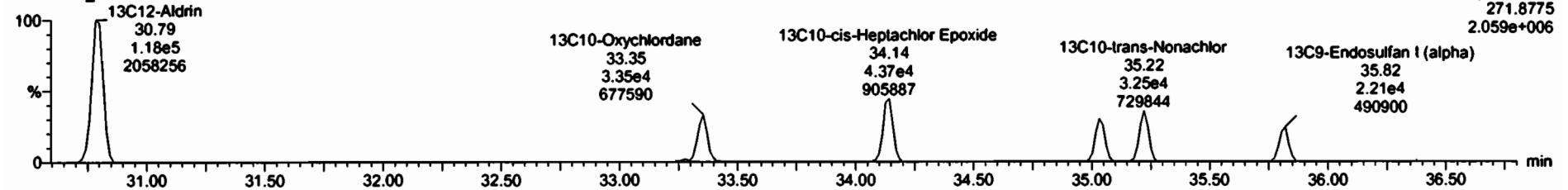


**Aldrin-EI-Isotopes**

210420H5\_7



210420H5\_7





Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

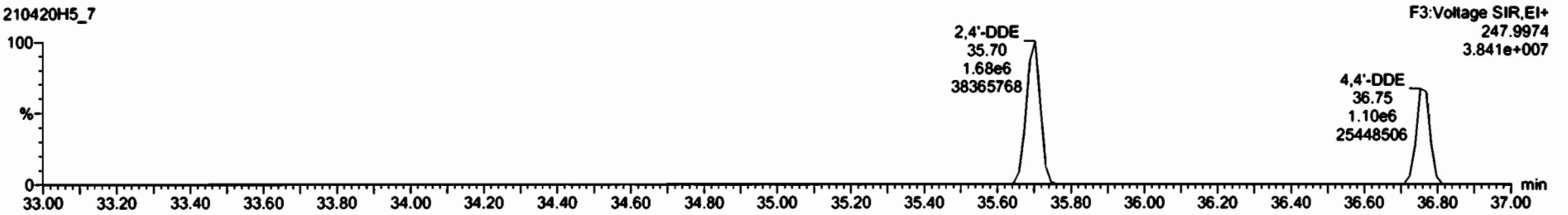
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**DDMU-DDE**

210420H5\_7



210420H5\_7

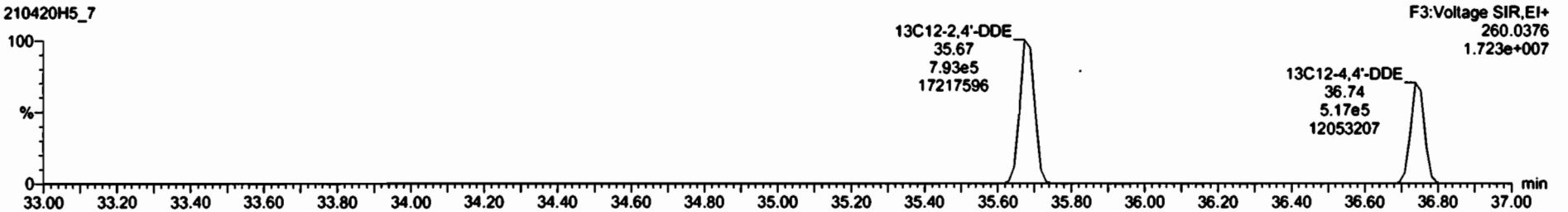


**DDE-isotopes**

210420H5\_7



210420H5\_7



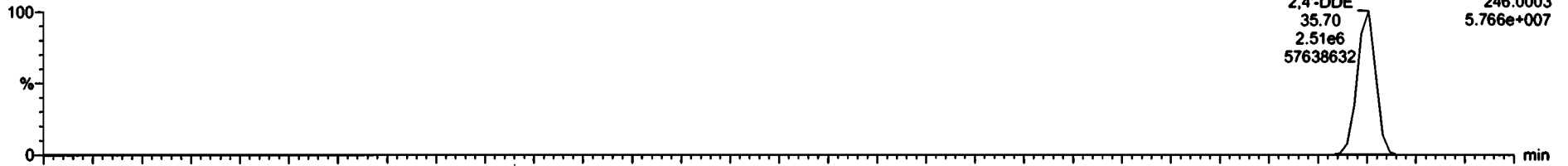
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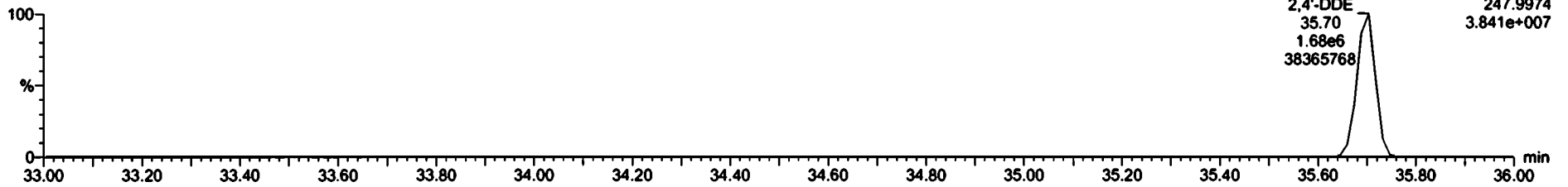
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**2,4'-DDE**

210420H5\_7



210420H5\_7

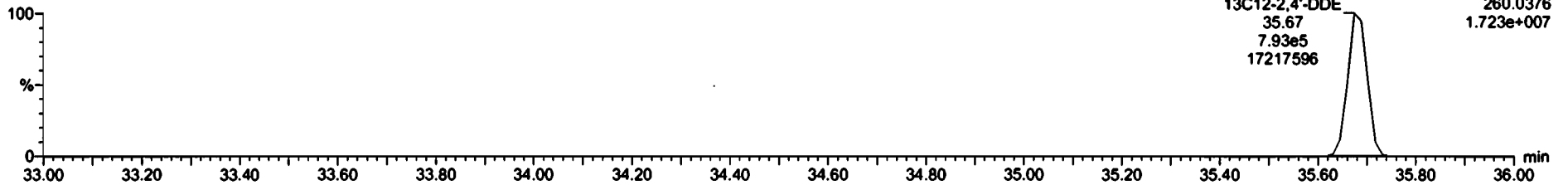


**13C12-2,4'-DDE**

210420H5\_7



210420H5\_7



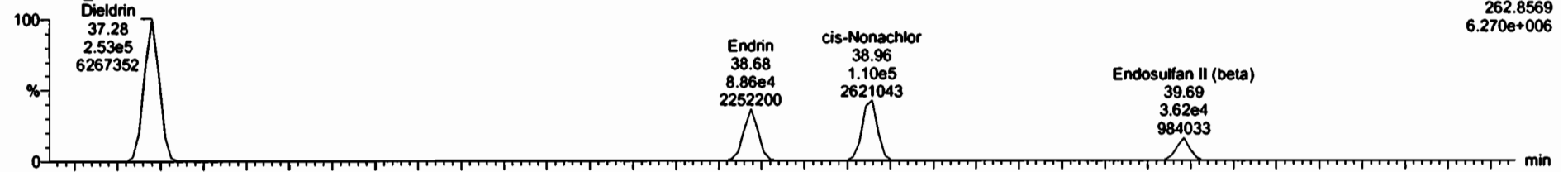
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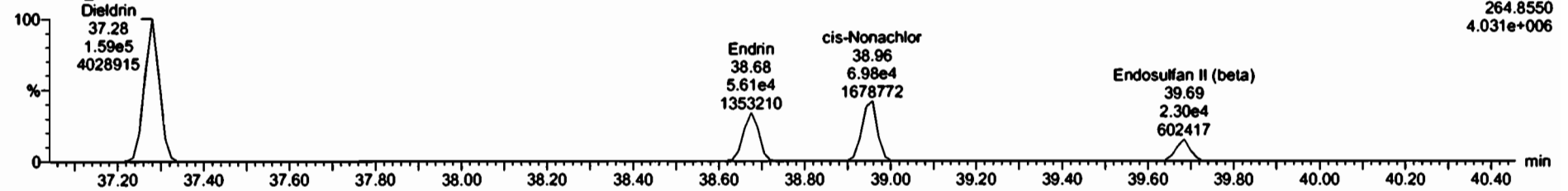
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Dieldrin-EII

210420H5\_7

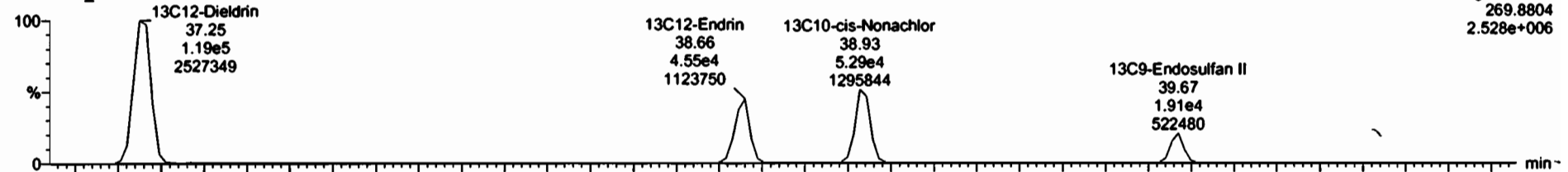


210420H5\_7

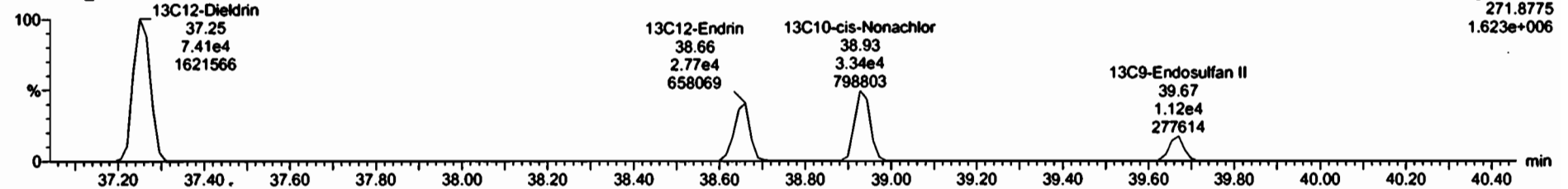


Dieldrin-EII-isotopes

210420H5\_7



210420H5\_7



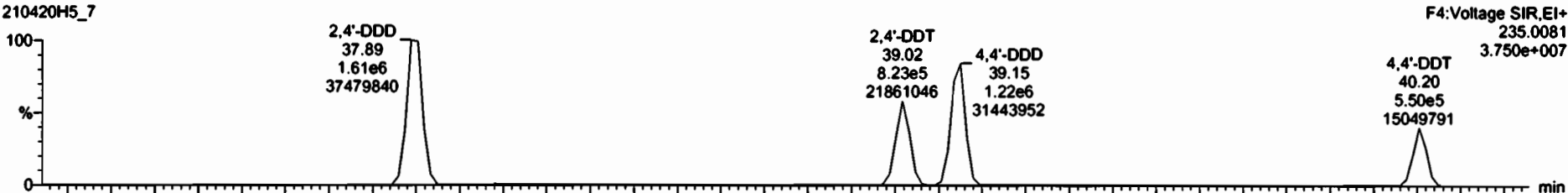
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Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

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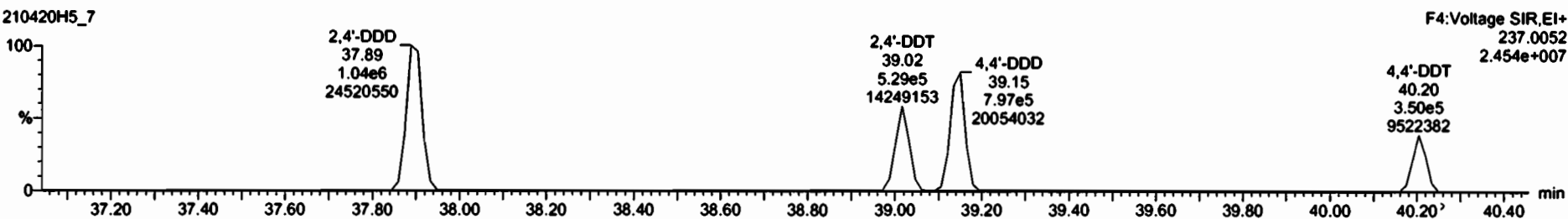
DDD-DDT

210420H5\_7



F4:Voltage SIR,EI+  
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3.750e+007

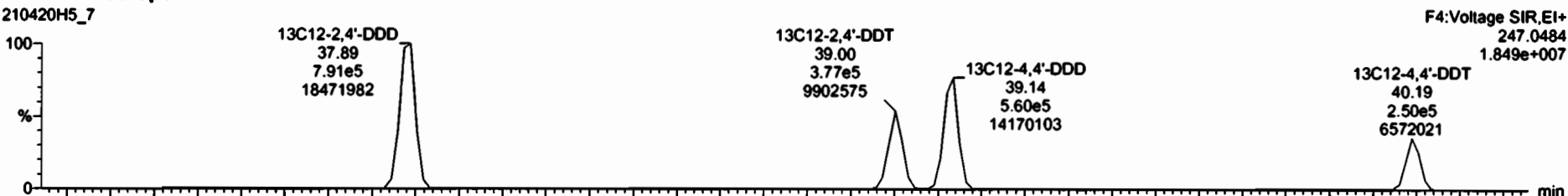
210420H5\_7



F4:Voltage SIR,EI+  
237.0052  
2.454e+007

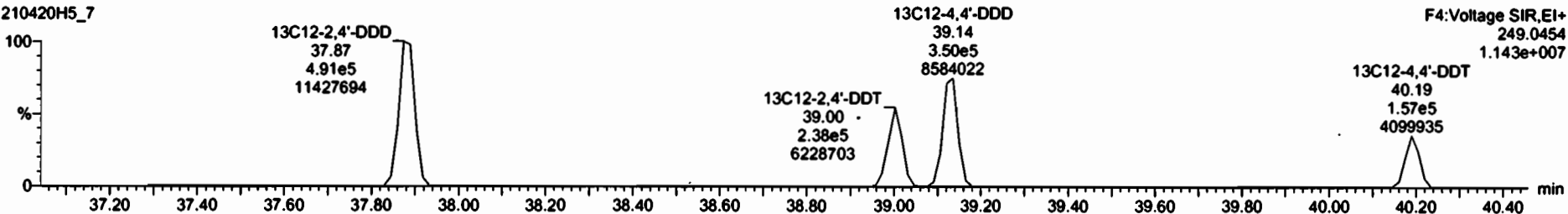
DDD-DDT-isotopes

210420H5\_7



F4:Voltage SIR,EI+  
247.0484  
1.849e+007

210420H5\_7



F4:Voltage SIR,EI+  
249.0454  
1.143e+007

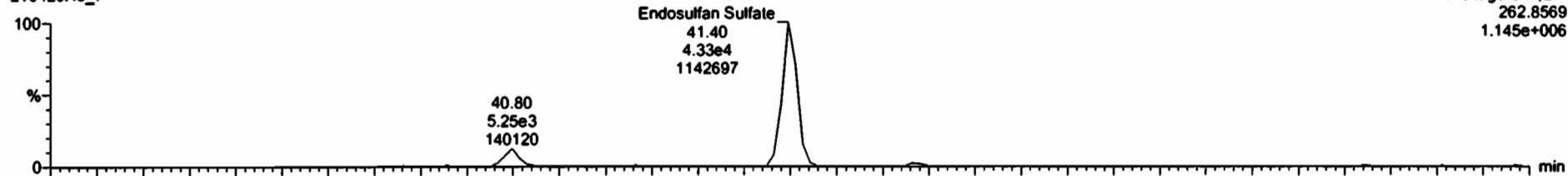
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Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

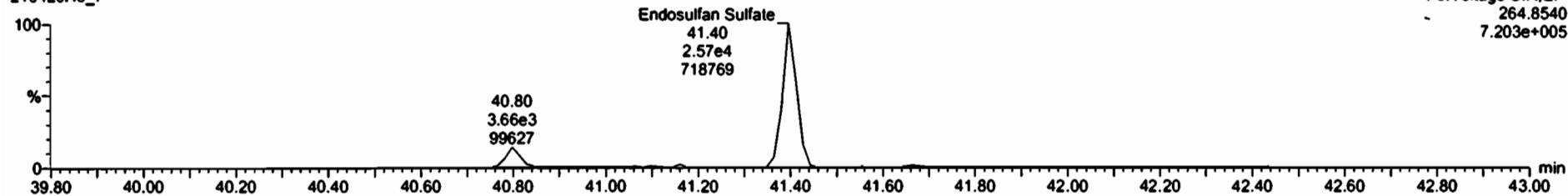
Name: 210420H5\_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

Endosulfan Sulfate

210420H5\_7

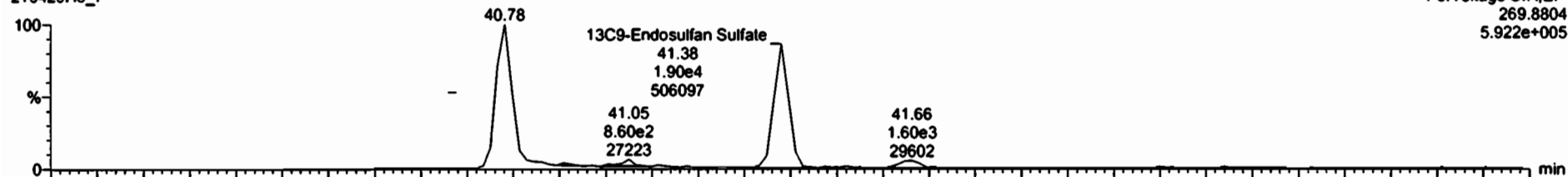


210420H5\_7

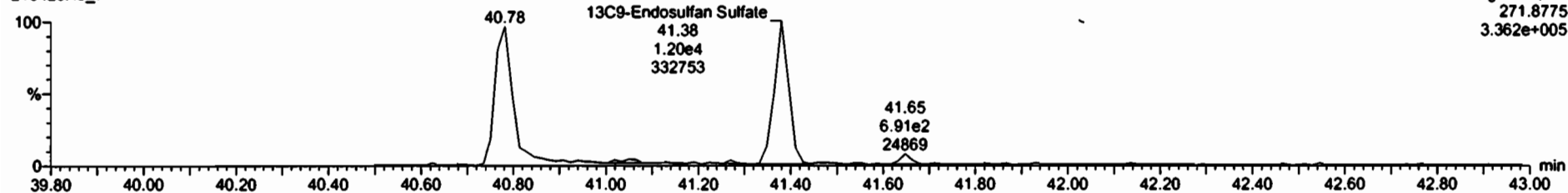


13C9-Endosulfan Sulfate

210420H5\_7



210420H5\_7

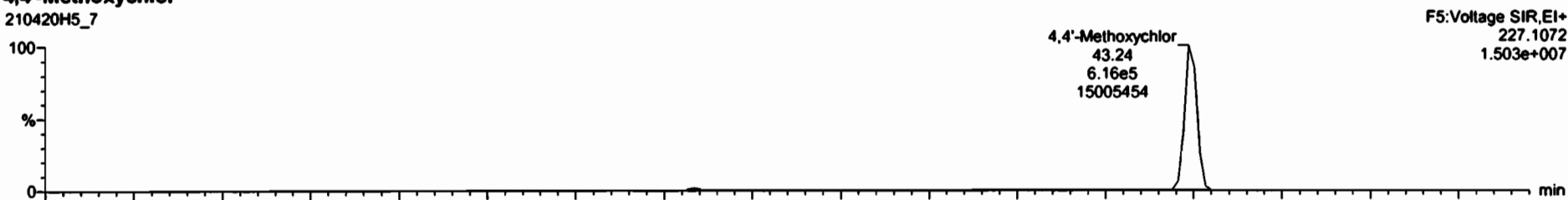


Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

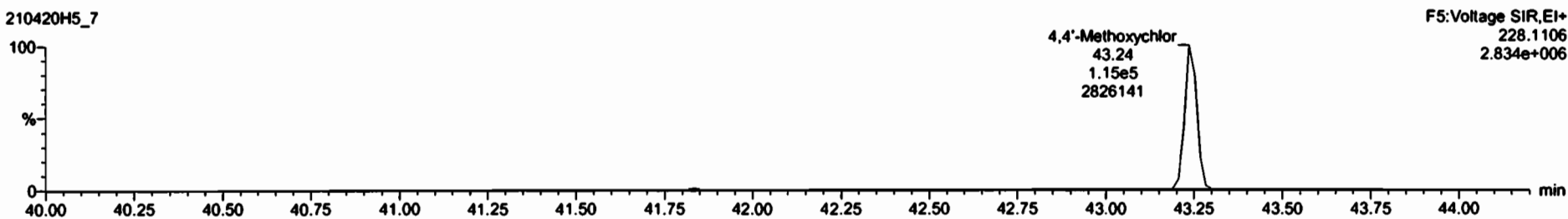
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Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5\_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5\_1 1699 SS 20B2107, Description: 1699 SS 20B2107

**4,4'-Methoxychlor**  
210420H5\_7



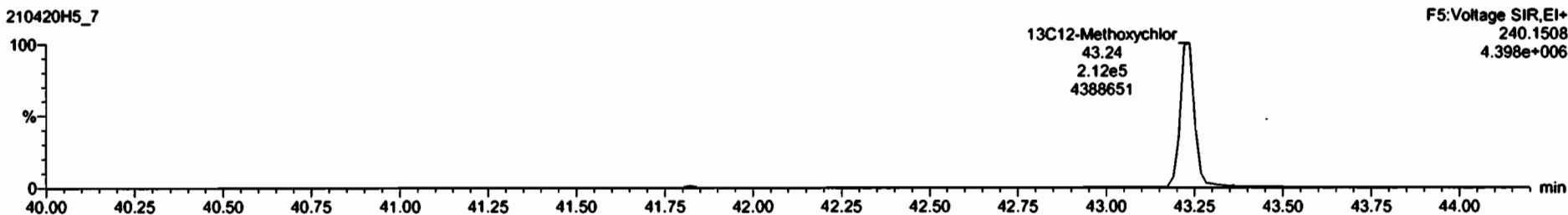
210420H5\_7



**13C12-Methoxychlor**  
210420H5\_7



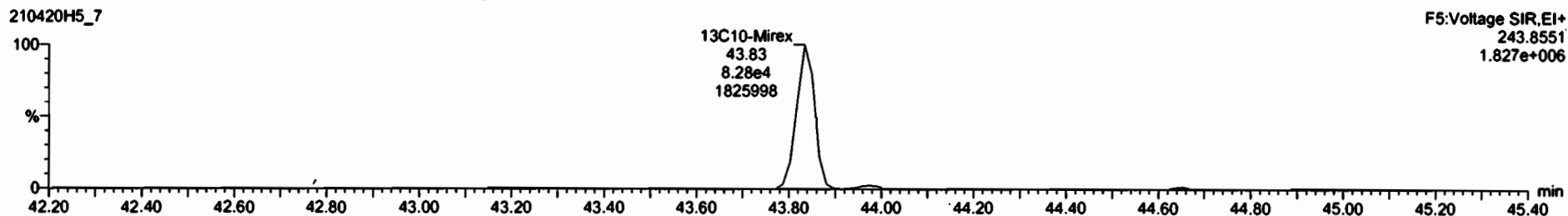
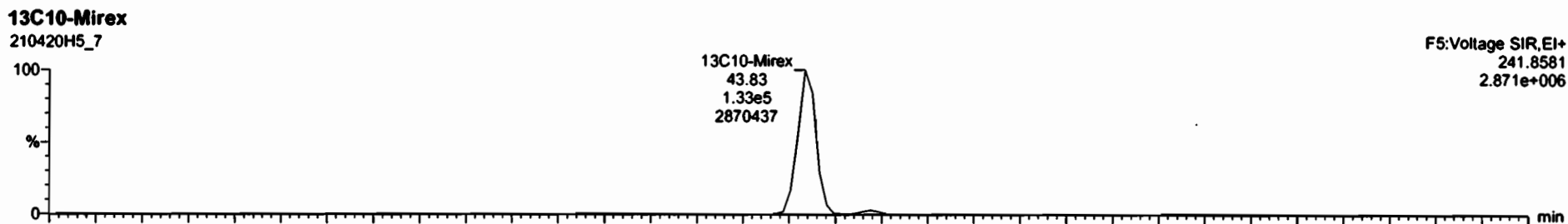
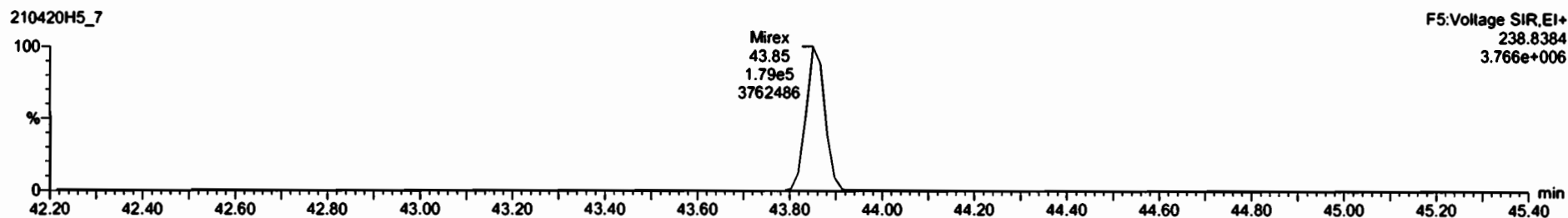
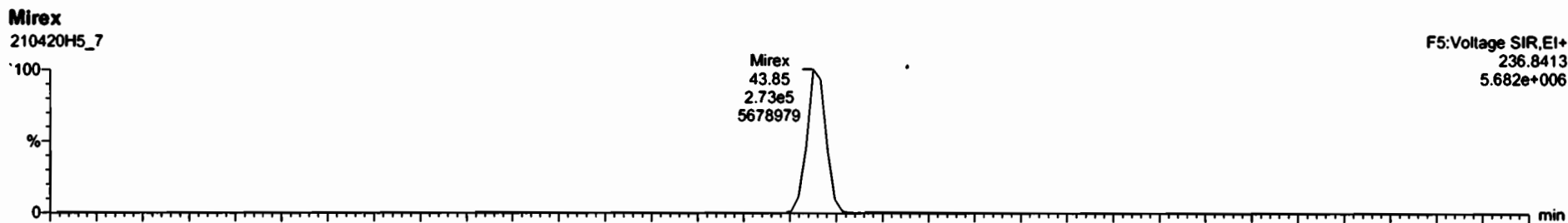
210420H5\_7



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

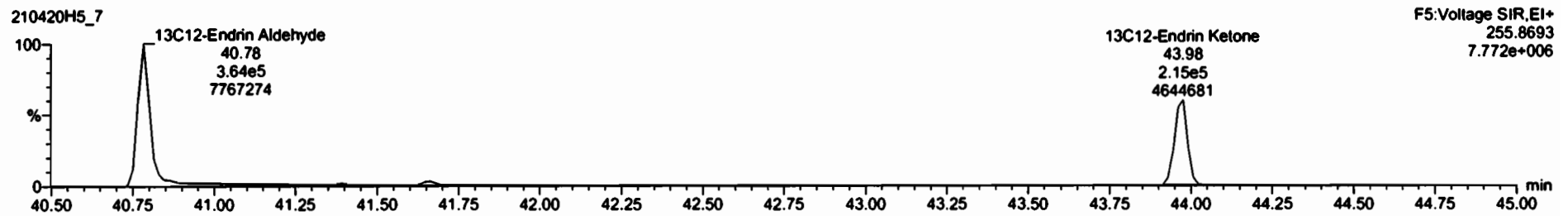
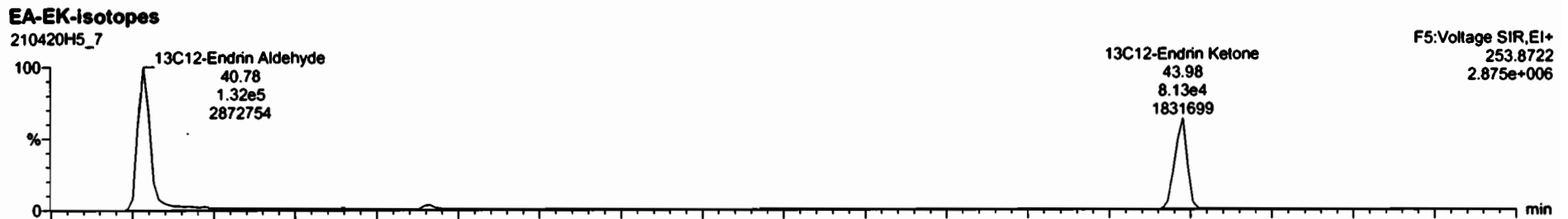
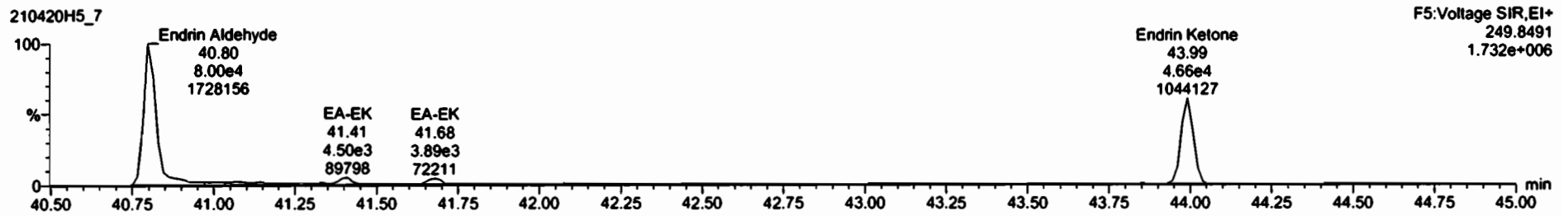
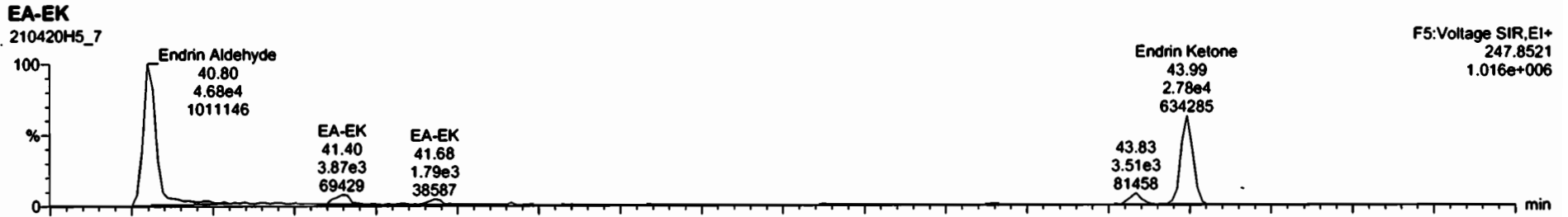
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Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

Name: 210420H5\_7, Date: 20-Apr-2021, Time: 23:03:52, ID: SS210420H5\_1 1699 SS 20B2107, Description: 1699 SS 20B2107





#	Name	Resp	SAREA	RA	ny	RFV	wval	RT	Pred RT	g	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

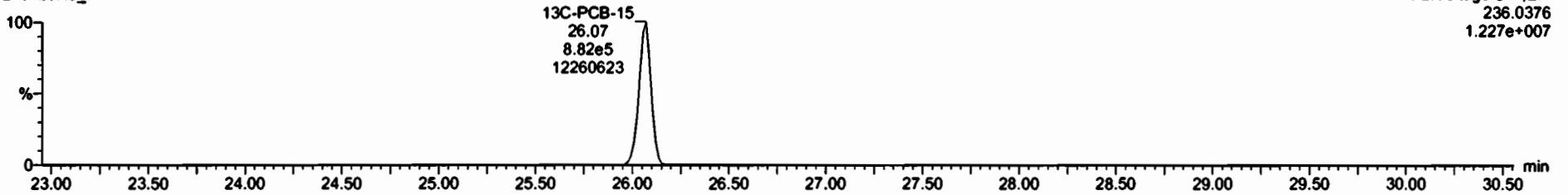
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**13C-PCB-15**

210420H5\_7



210420H5\_7

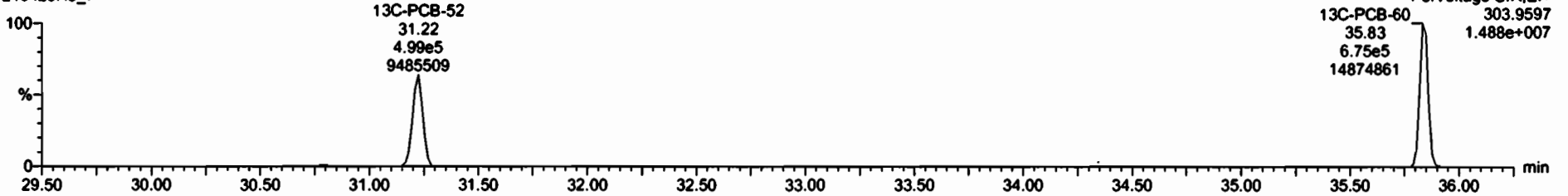


**13C-PCB-60**

210420H5\_7



210420H5\_7



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time

Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

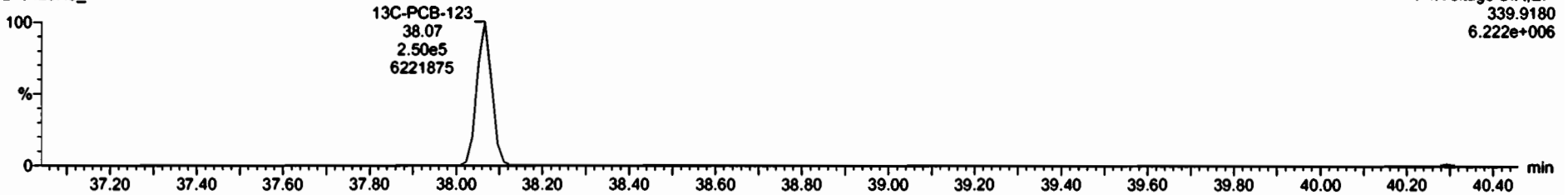
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**13C-PCB-123**

210420H5\_7

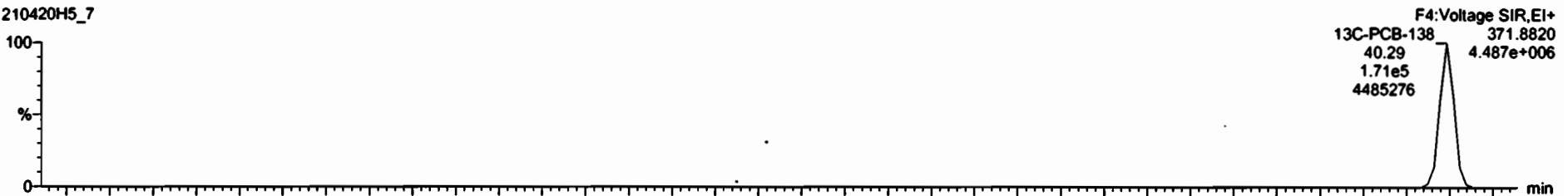


210420H5\_7

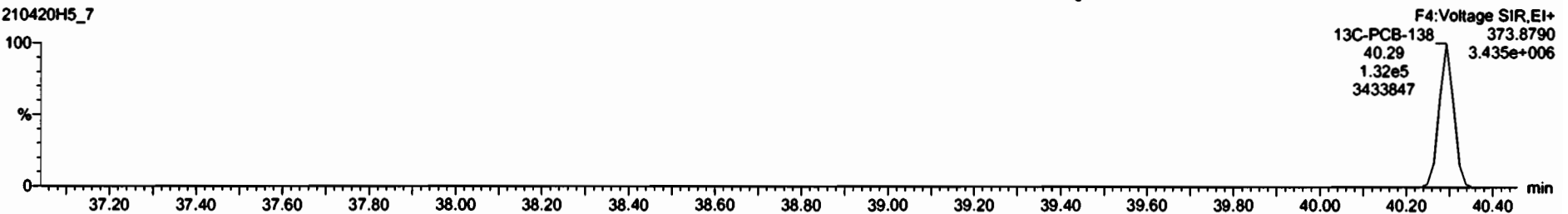


**13C-PCB-138**

210420H5\_7



210420H5\_7



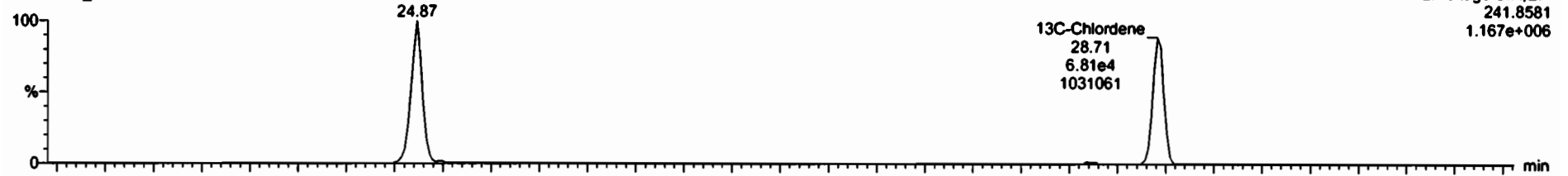
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Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

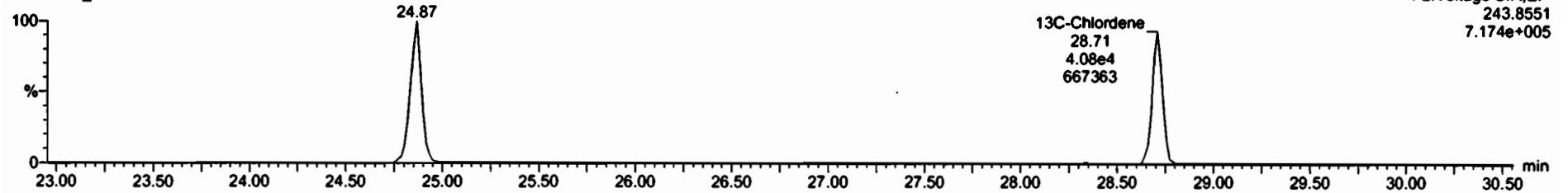
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13C-Chlordene

210420H5\_7

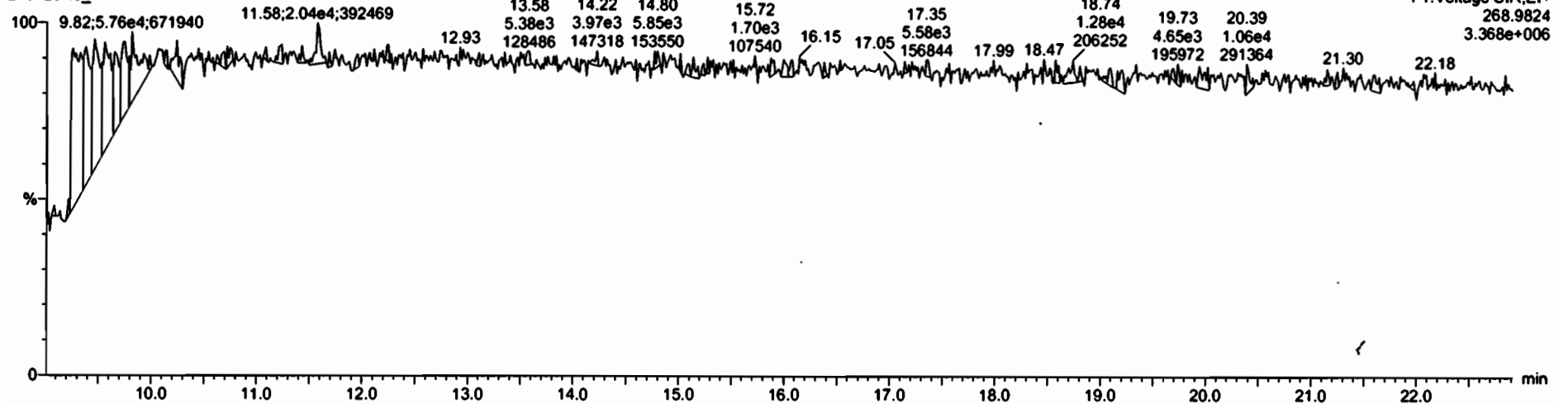


210420H5\_7



PFK1

210420H5\_7



Dataset: U:\vg10.PRO\Results\210420H5\210420H5\_7.qld

Last Altered: Wednesday, April 21, 2021 11:03:20 Pacific Daylight Time  
Printed: Wednesday, April 21, 2021 11:04:48 Pacific Daylight Time

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