



June 18, 2021

Vista Work Order No. 2105021

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 May 04, 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.

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. 2105021

Case Narrative

Sample Condition on Receipt:

Seven sediment samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

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.

Internal standard recoveries were less than 10% in sample "USMPDI-051SC-A-10-10.8-210430". The sample was re-extracted and the recoveries were similar. The data from the re-extraction have been reported.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2105021-01	USMPDI-024SC-A-08-09-210430	30-Apr-21 10:30	04-May-21 09:40	Amber Glass, 120 mL
2105021-02	USMPDI-024SC-A-09-9.7-210430	30-Apr-21 10:30	04-May-21 09:40	Amber Glass, 120 mL
2105021-03	USMPDI-029SC-A-10-11-210430	30-Apr-21 14:30	04-May-21 09:40	Amber Glass, 120 mL
2105021-04	USMPDI-029SC-A-11-12-210430	30-Apr-21 14:30	04-May-21 09:40	Amber Glass, 120 mL
2105021-05	USMPDI-051SC-A-08-09-210430	30-Apr-21 08:48	04-May-21 09:40	Amber Glass, 120 mL
2105021-06	USMPDI-051SC-A-09-10-210430	30-Apr-21 08:48	04-May-21 09:40	Amber Glass, 120 mL
2105021-07	USMPDI-051SC-A-10-10.8-210430	30-Apr-21 08:48	04-May-21 09:40	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B1E0138 Date Extracted: 17-May-2021 7:13		Lab Sample: B1E0138-BLK1 Date Analyzed: 24-May-21 22:16 Column: ZB-DIOXIN					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0844			IS 13C-2,3,7,8-TCDD	59.3	25 - 164		
1,2,3,7,8-PeCDD	ND	0.245			13C-1,2,3,7,8-PeCDD	59.1	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.189			13C-1,2,3,4,7,8-HxCDD	52.8	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.207			13C-1,2,3,6,7,8-HxCDD	54.3	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.222			13C-1,2,3,7,8,9-HxCDD	51.6	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.230			13C-1,2,3,4,6,7,8-HpCDD	53.6	23 - 140		
OCDD	ND	0.491			13C-OCDD	45.7	17 - 157		
2,3,7,8-TCDF	ND	0.0555			13C-2,3,7,8-TCDF	60.0	24 - 169		
1,2,3,7,8-PeCDF	ND	0.157			13C-1,2,3,7,8-PeCDF	55.8	24 - 185		
2,3,4,7,8-PeCDF	ND	0.129			13C-2,3,4,7,8-PeCDF	59.7	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.102			13C-1,2,3,4,7,8-HxCDF	56.7	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.102			13C-1,2,3,6,7,8-HxCDF	57.6	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.115			13C-2,3,4,6,7,8-HxCDF	56.8	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.162			13C-1,2,3,7,8,9-HxCDF	53.8	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.133			13C-1,2,3,4,6,7,8-HpCDF	52.4	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.164			13C-1,2,3,4,7,8,9-HpCDF	50.8	26 - 138		
OCDF	ND	0.374			13C-OCDF	48.2	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	69.8	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.0844							
Total PeCDD	ND	0.245							
Total HxCDD	ND	0.222							
Total HpCDD	ND	0.230							
Total TCDF	ND		0.0570						
Total PeCDF	ND	0.157							
Total HxCDF	ND	0.162							
Total HpCDF	ND	0.164							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid	QC Batch: B1E0138	Lab Sample: B1E0138-BS1					
Sample Size: 10.0 g	Date Extracted: 17-May-2021 7:13	Date Analyzed: 24-May-21 20:43	Column: ZB-DIOXIN				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	24.6	20.0	123	67 - 158	IS 13C-2,3,7,8-TCDD	40.8	20 - 175
1,2,3,7,8-PeCDD	122	100	122	70 - 142	13C-1,2,3,7,8-PeCDD	47.8	21 - 227
1,2,3,4,7,8-HxCDD	117	100	117	70 - 164	13C-1,2,3,4,7,8-HxCDD	47.0	21 - 193
1,2,3,6,7,8-HxCDD	122	100	122	76 - 134	13C-1,2,3,6,7,8-HxCDD	47.3	25 - 163
1,2,3,7,8,9-HxCDD	119	100	119	64 - 162	13C-1,2,3,7,8,9-HxCDD	51.1	21 - 193
1,2,3,4,6,7,8-HpCDD	116	100	116	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	50.8	26 - 166
OCDD	229	200	115	78 - 144	13C-OCDD	46.6	13 - 199
2,3,7,8-TCDF	23.8	20.0	119	75 - 158	13C-2,3,7,8-TCDF	39.1	22 - 152
1,2,3,7,8-PeCDF	127	100	127	80 - 134	13C-1,2,3,7,8-PeCDF	44.2	21 - 192
2,3,4,7,8-PeCDF	126	100	126	68 - 160	13C-2,3,4,7,8-PeCDF	44.3	13 - 328
1,2,3,4,7,8-HxCDF	118	100	118	72 - 134	13C-1,2,3,4,7,8-HxCDF	47.8	19 - 202
1,2,3,6,7,8-HxCDF	114	100	114	84 - 130	13C-1,2,3,6,7,8-HxCDF	49.4	21 - 159
2,3,4,6,7,8-HxCDF	119	100	119	70 - 156	13C-2,3,4,6,7,8-HxCDF	50.0	22 - 176
1,2,3,7,8,9-HxCDF	114	100	114	78 - 130	13C-1,2,3,7,8,9-HxCDF	47.9	17 - 205
1,2,3,4,6,7,8-HpCDF	121	100	121	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	49.2	21 - 158
1,2,3,4,7,8,9-HpCDF	120	100	120	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	48.7	20 - 186
OCDF	231	200	115	63 - 170	13C-OCDF	45.7	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	45.8	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: B1F0018 Date Extracted: 03-Jun-2021 7:05		Lab Sample: B1F0018-BLK1 Date Analyzed: 08-Jun-21 15:39 Column: ZB-DIOXIN				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0267			IS 13C-2,3,7,8-TCDD	144	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0556			13C-1,2,3,7,8-PeCDD	80.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0865			13C-1,2,3,4,7,8-HxCDD	87.1	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0881			13C-1,2,3,6,7,8-HxCDD	86.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0904			13C-1,2,3,7,8,9-HxCDD	85.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.477			13C-1,2,3,4,6,7,8-HpCDD	72.1	23 - 140	
OCDD	ND		0.339		13C-OCDD	67.9	17 - 157	
2,3,7,8-TCDF	ND	0.0216			13C-2,3,7,8-TCDF	88.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0898			13C-1,2,3,7,8-PeCDF	89.7	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0882			13C-2,3,4,7,8-PeCDF	83.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0297			13C-1,2,3,4,7,8-HxCDF	94.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0278			13C-1,2,3,6,7,8-HxCDF	91.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0313			13C-2,3,4,6,7,8-HxCDF	94.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0431			13C-1,2,3,7,8,9-HxCDF	89.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0384			13C-1,2,3,4,6,7,8-HpCDF	84.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0425			13C-1,2,3,4,7,8,9-HpCDF	83.2	26 - 138	
OCDF	1.09			J	13C-OCDF	75.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	68.3	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 0.000327			
TOTALS								
Total TCDD	ND	0.0267						
Total PeCDD	ND	0.0556						
Total HxCDD	ND	0.0904						
Total HpCDD	ND	0.477						
Total TCDF	ND	0.0216						
Total PeCDF	ND	0.0898						
Total HxCDF	ND	0.0431						
Total HpCDF	ND	0.0425						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid	QC Batch: B1F0018	Lab Sample: B1F0018-BS1					
Sample Size: 10.0 g	Date Extracted: 03-Jun-2021 7:05	Date Analyzed: 08-Jun-21 12:37	Column: ZB-DIOXIN				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	22.1	20.0	111	67 - 158	IS 13C-2,3,7,8-TCDD	103	20 - 175
1,2,3,7,8-PeCDD	121	100	121	70 - 142	13C-1,2,3,7,8-PeCDD	73.4	21 - 227
1,2,3,4,7,8-HxCDD	129	100	129	70 - 164	13C-1,2,3,4,7,8-HxCDD	77.9	21 - 193
1,2,3,6,7,8-HxCDD	125	100	125	76 - 134	13C-1,2,3,6,7,8-HxCDD	79.2	25 - 163
1,2,3,7,8,9-HxCDD	124	100	124	64 - 162	13C-1,2,3,7,8,9-HxCDD	83.3	21 - 193
1,2,3,4,6,7,8-HpCDD	125	100	125	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	71.9	26 - 166
OCDD	257	200	128	78 - 144	13C-OCDD	65.8	13 - 199
2,3,7,8-TCDF	22.3	20.0	112	75 - 158	13C-2,3,7,8-TCDF	65.5	22 - 152
1,2,3,7,8-PeCDF	124	100	124	80 - 134	13C-1,2,3,7,8-PeCDF	74.2	21 - 192
2,3,4,7,8-PeCDF	126	100	126	68 - 160	13C-2,3,4,7,8-PeCDF	64.2	13 - 328
1,2,3,4,7,8-HxCDF	119	100	119	72 - 134	13C-1,2,3,4,7,8-HxCDF	84.1	19 - 202
1,2,3,6,7,8-HxCDF	119	100	119	84 - 130	13C-1,2,3,6,7,8-HxCDF	83.5	21 - 159
2,3,4,6,7,8-HxCDF	121	100	121	70 - 156	13C-2,3,4,6,7,8-HxCDF	91.8	22 - 176
1,2,3,7,8,9-HxCDF	123	100	123	78 - 130	13C-1,2,3,7,8,9-HxCDF	83.5	17 - 205
1,2,3,4,6,7,8-HpCDF	122	100	122	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	83.5	21 - 158
1,2,3,4,7,8,9-HpCDF	121	100	121	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	81.4	20 - 186
OCDF	244	200	122	63 - 170	13C-OCDF	76.1	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	48.2	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: USMPDI-024SC-A-08-09-210430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105021-01 Date Received: 04-May-2021 9:40
Project: GascoSiltronic: US Moorings	Sample Size: 17.0 g	QC Batch: B1E0138 Date Extracted: 17-May-2021 7:13
Date Collected: 30-Apr-2021 10:30	% Solids: 58.9	Date Analyzed: 25-May-21 12:52 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0865			IS 13C-2,3,7,8-TCDD	75.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.119			13C-1,2,3,7,8-PeCDD	90.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.427			13C-1,2,3,4,7,8-HxCDD	70.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND		0.308		13C-1,2,3,6,7,8-HxCDD	82.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.404			13C-1,2,3,7,8,9-HxCDD	79.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	5.13				13C-1,2,3,4,6,7,8-HpCDD	66.6	23 - 140	
OCDD	50.5				13C-OCDD	50.8	17 - 157	
2,3,7,8-TCDF	0.833				13C-2,3,7,8-TCDF	65.4	24 - 169	
1,2,3,7,8-PeCDF	2.10			J	13C-1,2,3,7,8-PeCDF	81.5	24 - 185	
2,3,4,7,8-PeCDF	0.787			J	13C-2,3,4,7,8-PeCDF	82.9	21 - 178	
1,2,3,4,7,8-HxCDF	4.76				13C-1,2,3,4,7,8-HxCDF	82.7	26 - 152	
1,2,3,6,7,8-HxCDF	1.17			J	13C-1,2,3,6,7,8-HxCDF	85.5	26 - 123	
2,3,4,6,7,8-HxCDF	0.241			J	13C-2,3,4,6,7,8-HxCDF	83.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.221		13C-1,2,3,7,8,9-HxCDF	77.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	3.00				13C-1,2,3,4,6,7,8-HpCDF	64.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.825			J	13C-1,2,3,4,7,8,9-HpCDF	64.5	26 - 138	
OCDF	5.36				13C-OCDF	56.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	82.3	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 1.11

TOTALS			
Total TCDD	ND	0.0865	
Total PeCDD	ND		0.133
Total HxCDD	2.13		2.50
Total HpCDD	10.9		
Total TCDF	2.37		2.78
Total PeCDF	5.14		5.52
Total HxCDF	8.44		8.86
Total HpCDF	6.62		

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-024SC-A-09-9.7-210430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105021-02 Date Received: 04-May-2021 9:40
Project: GascoSiltronic: US Moorings	Sample Size: 17.1 g	QC Batch: B1E0138 Date Extracted: 17-May-2021 7:13
Date Collected: 30-Apr-2021 10:30	% Solids: 58.8	Date Analyzed: 25-May-21 13:39 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.110			IS 13C-2,3,7,8-TCDD	60.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.160			13C-1,2,3,7,8-PeCDD	74.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.458			13C-1,2,3,4,7,8-HxCDD	66.1	32 - 141	
1,2,3,6,7,8-HxCDD	ND		0.485		13C-1,2,3,6,7,8-HxCDD	76.3	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.414			13C-1,2,3,7,8,9-HxCDD	78.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	8.80				13C-1,2,3,4,6,7,8-HpCDD	70.9	23 - 140	
OCDD	110				13C-OCDD	55.1	17 - 157	
2,3,7,8-TCDF	2.26				13C-2,3,7,8-TCDF	55.8	24 - 169	
1,2,3,7,8-PeCDF	3.23				13C-1,2,3,7,8-PeCDF	70.9	24 - 185	
2,3,4,7,8-PeCDF	ND		1.32		13C-2,3,4,7,8-PeCDF	70.7	21 - 178	
1,2,3,4,7,8-HxCDF	4.81				13C-1,2,3,4,7,8-HxCDF	78.6	26 - 152	
1,2,3,6,7,8-HxCDF	1.44			J	13C-1,2,3,6,7,8-HxCDF	81.4	26 - 123	
2,3,4,6,7,8-HxCDF	0.391			J	13C-2,3,4,6,7,8-HxCDF	80.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.325		13C-1,2,3,7,8,9-HxCDF	79.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	3.82				13C-1,2,3,4,6,7,8-HpCDF	69.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	1.43			J	13C-1,2,3,4,7,8,9-HpCDF	65.9	26 - 138	
OCDF	10.6				13C-OCDF	56.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	69.8	35 - 197	

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

TEQMinWHO2005Dioxin 1.16

TOTALS								
Total TCDD	ND	0.110						
Total PeCDD	ND		0.231					
Total HxCDD	3.33		3.82					
Total HpCDD	20.0							
Total TCDF	6.22		7.11					
Total PeCDF	5.23		8.35					
Total HxCDF	10.2		10.7					
Total HpCDF	11.1							

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-029SC-A-10-11-210430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105021-03 Date Received: 04-May-2021 9:40
Project: GascoSiltronic: US Moorings	Sample Size: 17.6 g	QC Batch: B1E0138 Date Extracted: 17-May-2021 7:13
Date Collected: 30-Apr-2021 14:30	% Solids: 57.8	Date Analyzed: 25-May-21 14:25 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.153		IS 13C-2,3,7,8-TCDD	61.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.247			13C-1,2,3,7,8-PeCDD	80.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.407			13C-1,2,3,4,7,8-HxCDD	68.7	32 - 141	
1,2,3,6,7,8-HxCDD	0.980			J	13C-1,2,3,6,7,8-HxCDD	73.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.426			13C-1,2,3,7,8,9-HxCDD	78.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	19.3				13C-1,2,3,4,6,7,8-HpCDD	65.7	23 - 140	
OCDD	299				13C-OCDD	56.5	17 - 157	
2,3,7,8-TCDF	6.48				13C-2,3,7,8-TCDF	54.7	24 - 169	
1,2,3,7,8-PeCDF	9.37				13C-1,2,3,7,8-PeCDF	72.0	24 - 185	
2,3,4,7,8-PeCDF	5.02				13C-2,3,4,7,8-PeCDF	69.4	21 - 178	
1,2,3,4,7,8-HxCDF	14.1				13C-1,2,3,4,7,8-HxCDF	76.2	26 - 152	
1,2,3,6,7,8-HxCDF	3.88				13C-1,2,3,6,7,8-HxCDF	84.0	26 - 123	
2,3,4,6,7,8-HxCDF	1.30			J	13C-2,3,4,6,7,8-HxCDF	80.1	28 - 136	
1,2,3,7,8,9-HxCDF	0.862			J	13C-1,2,3,7,8,9-HxCDF	75.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	10.4				13C-1,2,3,4,6,7,8-HpCDF	68.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.68				13C-1,2,3,4,7,8,9-HpCDF	69.1	26 - 138	
OCDF	29.6				13C-OCDF	60.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	68.1	35 - 197	

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

TEQMinWHO2005Dioxin 4.98

TOTALS		
Total TCDD	0.271	0.497
Total PeCDD	ND	0.480
Total HxCDD	7.10	7.39
Total HpCDD	46.3	
Total TCDF	22.0	23.5
Total PeCDF	27.6	
Total HxCDF	31.4	
Total HpCDF	30.4	

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

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

Sample ID: USMPDI-029SC-A-11-12-210430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105021-04 Date Received: 04-May-2021 9:40
Project: GascoSiltronic: US Moorings	Sample Size: 17.3 g	QC Batch: B1E0138 Date Extracted: 17-May-2021 7:13
Date Collected: 30-Apr-2021 14:30	% Solids: 58.4	Date Analyzed: 25-May-21 15:12 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.510		IS 13C-2,3,7,8-TCDD	30.2	25 - 164	
1,2,3,7,8-PeCDD	ND		0.853		13C-1,2,3,7,8-PeCDD	45.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND		1.41		13C-1,2,3,4,7,8-HxCDD	45.2	32 - 141	
1,2,3,6,7,8-HxCDD	7.71				13C-1,2,3,6,7,8-HxCDD	49.6	28 - 130	
1,2,3,7,8,9-HxCDD	2.95				13C-1,2,3,7,8,9-HxCDD	59.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	222				13C-1,2,3,4,6,7,8-HpCDD	59.4	23 - 140	
OCDD	4990				13C-OCDD	61.1	17 - 157	
2,3,7,8-TCDF	15.3				13C-2,3,7,8-TCDF	28.1	24 - 169	
1,2,3,7,8-PeCDF	25.5				13C-1,2,3,7,8-PeCDF	42.0	24 - 185	
2,3,4,7,8-PeCDF	13.2				13C-2,3,4,7,8-PeCDF	40.6	21 - 178	
1,2,3,4,7,8-HxCDF	65.1				13C-1,2,3,4,7,8-HxCDF	54.0	26 - 152	
1,2,3,6,7,8-HxCDF	18.1				13C-1,2,3,6,7,8-HxCDF	58.6	26 - 123	
2,3,4,6,7,8-HxCDF	3.46				13C-2,3,4,6,7,8-HxCDF	59.2	28 - 136	
1,2,3,7,8,9-HxCDF	5.41				13C-1,2,3,7,8,9-HxCDF	51.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	94.7				13C-1,2,3,4,6,7,8-HpCDF	60.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	19.9				13C-1,2,3,4,7,8,9-HpCDF	54.4	26 - 138	
OCDF	279				13C-OCDF	60.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	37.4	35 - 197	

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

TEQMinWHO2005Dioxin 21.5

TOTALS		
Total TCDD	3.67	5.29
Total PeCDD	8.78	12.2
Total HxCDD	89.2	90.6
Total HpCDD	601	
Total TCDF	60.5	64.1
Total PeCDF	82.0	83.1
Total HxCDF	172	175
Total HpCDF	314	

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-051SC-A-08-09-210430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105021-05 Date Received: 04-May-2021 9:40
Project: GascoSiltronic: US Moorings	Sample Size: 24.9 g	QC Batch: B1E0138 Date Extracted: 17-May-2021 7:13
Date Collected: 30-Apr-2021 8:48	% Solids: 40.6	Date Analyzed: 25-May-21 15:59 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.363			IS 13C-2,3,7,8-TCDD	23.7	25 - 164	H
1,2,3,7,8-PeCDD	ND		0.845		13C-1,2,3,7,8-PeCDD	33.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	1.29			13C-1,2,3,4,7,8-HxCDD	38.6	32 - 141	
1,2,3,6,7,8-HxCDD	6.14				13C-1,2,3,6,7,8-HxCDD	47.6	28 - 130	
1,2,3,7,8,9-HxCDD	2.73				13C-1,2,3,7,8,9-HxCDD	58.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	153				13C-1,2,3,4,6,7,8-HpCDD	63.3	23 - 140	
OCDD	1280				13C-OCDD	54.9	17 - 157	
2,3,7,8-TCDF	6.39				13C-2,3,7,8-TCDF	21.2	24 - 169	H
1,2,3,7,8-PeCDF	8.92				13C-1,2,3,7,8-PeCDF	29.1	24 - 185	
2,3,4,7,8-PeCDF	6.86				13C-2,3,4,7,8-PeCDF	26.0	21 - 178	
1,2,3,4,7,8-HxCDF	12.2				13C-1,2,3,4,7,8-HxCDF	44.7	26 - 152	
1,2,3,6,7,8-HxCDF	3.00				13C-1,2,3,6,7,8-HxCDF	55.2	26 - 123	
2,3,4,6,7,8-HxCDF	1.65			J	13C-2,3,4,6,7,8-HxCDF	57.2	28 - 136	
1,2,3,7,8,9-HxCDF	1.34			J	13C-1,2,3,7,8,9-HxCDF	51.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	28.8				13C-1,2,3,4,6,7,8-HpCDF	59.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		1.98		13C-1,2,3,4,7,8,9-HpCDF	59.1	26 - 138	
OCDF	36.6				13C-OCDF	59.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	28.5	35 - 197	H

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 7.88

TOTALS			
Total TCDD	1.45		2.27
Total PeCDD	2.26		5.45
Total HxCDD	44.9		45.6
Total HpCDD	343		
Total TCDF	25.5		31.5
Total PeCDF	39.3		42.3
Total HxCDF	66.0		
Total HpCDF	86.8		88.8

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

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

Sample ID: USMPDI-051SC-A-09-10-210430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105021-06 Date Received: 04-May-2021 9:40
Project: GascoSiltronic: US Moorings	Sample Size: 23.1 g	QC Batch: B1E0138 Date Extracted: 17-May-2021 7:13
Date Collected: 30-Apr-2021 8:48	% Solids: 43.3	Date Analyzed: 25-May-21 16:46 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.255		IS 13C-2,3,7,8-TCDD	20.8	25 - 164	H
1,2,3,7,8-PeCDD	ND		0.581		13C-1,2,3,7,8-PeCDD	34.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	1.71			13C-1,2,3,4,7,8-HxCDD	39.6	32 - 141	
1,2,3,6,7,8-HxCDD	3.65				13C-1,2,3,6,7,8-HxCDD	45.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND	1.35			13C-1,2,3,7,8,9-HxCDD	55.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	94.3				13C-1,2,3,4,6,7,8-HpCDD	52.3	23 - 140	
OCDD	749				13C-OCDD	39.9	17 - 157	
2,3,7,8-TCDF	5.04				13C-2,3,7,8-TCDF	17.7	24 - 169	H
1,2,3,7,8-PeCDF	5.44				13C-1,2,3,7,8-PeCDF	29.5	24 - 185	
2,3,4,7,8-PeCDF	4.99				13C-2,3,4,7,8-PeCDF	24.4	21 - 178	
1,2,3,4,7,8-HxCDF	7.99				13C-1,2,3,4,7,8-HxCDF	47.6	26 - 152	
1,2,3,6,7,8-HxCDF	2.14			J	13C-1,2,3,6,7,8-HxCDF	52.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND		1.31		13C-2,3,4,6,7,8-HxCDF	51.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		1.21		13C-1,2,3,7,8,9-HxCDF	49.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	22.6				13C-1,2,3,4,6,7,8-HpCDF	50.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		2.02		13C-1,2,3,4,7,8,9-HpCDF	53.6	26 - 138	
OCDF	45.2				13C-OCDF	44.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	27.3	35 - 197	H

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 4.95

TOTALS			
Total TCDD	ND		1.91
Total PeCDD	1.63		4.58
Total HxCDD	31.6		33.4
Total HpCDD	246		
Total TCDF	24.6		26.9
Total PeCDF	27.8		30.6
Total HxCDF	43.5		46.0
Total HpCDF	75.3		77.3

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-051SC-A-10-10.8-210430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105021-07 Date Received: 04-May-2021 9:40
Project: GascoSiltronic: US Moorings	Sample Size: 18.6 g	QC Batch: B1F0018 Date Extracted: 03-Jun-2021 7:05
Date Collected: 30-Apr-2021 8:48	% Solids: 55.2	Date Analyzed: 09-Jun-21 19:07 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.615				IS 13C-2,3,7,8-TCDD	64.0	25 - 164	
1,2,3,7,8-PeCDD	ND		0.925		13C-1,2,3,7,8-PeCDD	44.8	25 - 181	
1,2,3,4,7,8-HxCDD	1.70			J	13C-1,2,3,4,7,8-HxCDD	38.8	32 - 141	
1,2,3,6,7,8-HxCDD	8.10				13C-1,2,3,6,7,8-HxCDD	39.5	28 - 130	
1,2,3,7,8,9-HxCDD	3.33				13C-1,2,3,7,8,9-HxCDD	34.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	301				13C-1,2,3,4,6,7,8-HpCDD	18.6	23 - 140	H
OCDD	1700				13C-OCDD	4.99	17 - 157	H
2,3,7,8-TCDF	13.2				13C-2,3,7,8-TCDF	53.2	24 - 169	
1,2,3,7,8-PeCDF	10.6				13C-1,2,3,7,8-PeCDF	49.5	24 - 185	
2,3,4,7,8-PeCDF	9.88				13C-2,3,4,7,8-PeCDF	41.8	21 - 178	
1,2,3,4,7,8-HxCDF	17.1				13C-1,2,3,4,7,8-HxCDF	44.3	26 - 152	
1,2,3,6,7,8-HxCDF	4.64				13C-1,2,3,6,7,8-HxCDF	43.3	26 - 123	
2,3,4,6,7,8-HxCDF	3.98				13C-2,3,4,6,7,8-HxCDF	33.8	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.664			13C-1,2,3,7,8,9-HxCDF	38.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	52.6				13C-1,2,3,4,6,7,8-HpCDF	27.3	28 - 143	H
1,2,3,4,7,8,9-HpCDF	3.93				13C-1,2,3,4,7,8,9-HpCDF	24.9	26 - 138	H
OCDF	104			B	13C-OCDF	8.34	17 - 157	H
					CRS 37Cl-2,3,7,8-TCDD	30.2	35 - 197	H

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 13.2

TOTALS		
Total TCDD	6.65	7.93
Total PeCDD	8.25	11.8
Total HxCDD	92.9	96.0
Total HpCDD	882	
Total TCDF	102	105
Total PeCDF	91.5	93.0
Total HxCDF	94.1	
Total HpCDF	151	

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

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

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2105021 5.7°C

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: VISTA-20210430-130346
Sample Custodian: SN
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-024SC-A-08-09-210430	N	SE	04/30/2021	10:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
002	USMPDI-024SC-A-09-9.7-210430	N	SE	04/30/2021	10:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
003	USMPDI-029SC-A-10-11-210430	N	SE	04/30/2021	14:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	USMPDI-029SC-A-11-12-210430	N	SE	04/30/2021	14:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
005	USMPDI-051SC-A-08-09-210430	N	SE	04/30/2021	8:48	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
006	USMPDI-051SC-A-09-10-210430	N	SE	04/30/2021	8:48	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
007	USMPDI-051SC-A-10-10.8-210430	N	SE	04/30/2021	8:48	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Print Name: COPEIRO	Print Name: Justin Brisotto	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: VAC	Company:	Company:	Company:	Company:
Date/Time: 5/3/21 08:30	Date/Time: 05/04/21 09:40	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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



Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2105021 TAT Std

Samples Arrival:	Date/Time <u>05-04-21 0940</u>		Initials: <u>(P)</u>		Location: <u>WR-2</u>		
					Shelf/Rack: <u>N/A</u>		
Delivered By:	<u>FedEx</u>	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	<u>Ice</u>	Blue Ice		Techni Ice	Dry Ice	None	
Temp °C: <u>5.8</u>	(uncorrected)	Probe used: Y / <u>N</u>			Thermometer ID: <u>IR-3</u>		
Temp °C: <u>5.7</u>	(corrected)						

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Airbill <u>—</u> Trk # <u>77361564 7101</u>	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Shipping Container	<u>Vista</u>	Client	<u>Retain</u>
	Return	Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Logged In:	Date/Time <u>05/04/21 13:09</u>		Initials: <u>K2</u>
	Location: <u>WR-2</u>		Shelf/Rack: <u>D-5</u>
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2105021

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2105021-01	A USMPDI-024SC-A-08-09-2104 30	<input checked="" type="checkbox"/>	30-Apr-21 10:30 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105021-02	A USMPDI-024SC-A-09-9.7-2104 30	<input checked="" type="checkbox"/>	30-Apr-21 10:30 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105021-03	A USMPDI-029SC-A-10-11-2104 30	<input checked="" type="checkbox"/>	30-Apr-21 14:30 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105021-04	A USMPDI-029SC-A-11-12-2104 30	<input checked="" type="checkbox"/>	30-Apr-21 14:30 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105021-05	A USMPDI-051SC-A-08-09-2104 30	<input checked="" type="checkbox"/>	30-Apr-21 08:48 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105021-06	A USMPDI-051SC-A-09-10-2104 30	<input checked="" type="checkbox"/>	30-Apr-21 08:48 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105021-07	A USMPDI-051SC-A-10-10.8-210 430	<input checked="" type="checkbox"/>	30-Apr-21 08:48 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	

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

	Yes	No	NA	Comments:
Sample Container Intact?	<input checked="" type="checkbox"/>			
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>	
Adequate Sample Volume?	<input checked="" type="checkbox"/>			
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>			

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None
ACC Other

Verified by/Date: VA 05/04/21

EXTRACTION INFORMATION

Process Sheet

Workorder: **2105021**

Prep Expiration: 2022-04-30
Client: Anchor QEA, LLC

Workorder Due: 01-Jun-21 00:00

TAT: 28

Method: 1613 Full List
Matrix: Solid

Prep Batch: BIE0138

Client Matrix: Sediment

Prep Data Entered: OF 05/20/21
Date and Initials

Also run: Percent Solids

Initial Sequence: SIE0050

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Date Received	Location	Comments
2105021-01	A ↑ ↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-024SC-A-08-09-210430	04-May-21 09:40	WR-2 D-5	
2105021-02		<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-024SC-A-09-9.7-210430	04-May-21 09:40	WR-2 D-5	
2105021-03		<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-029SC-A-10-11-210430	04-May-21 09:40	WR-2 D-5	
2105021-04		<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-029SC-A-11-12-210430	04-May-21 09:40	WR-2 D-5	
2105021-05		<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-051SC-A-08-09-210430	04-May-21 09:40	WR-2 D-5	
2105021-06		<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-051SC-A-09-10-210430	04-May-21 09:40	WR-2 D-5	
2105021-07		<input checked="" type="checkbox"/>	<input type="checkbox"/>	USMPDI-051SC-A-10-10.8-210430	04-May-21 09:40	WR-2 D-5	

WO Comments: 1613: 10g dw

Pre-Prep Check Out: OF 05/06/21

Prep Check Out: OF 05/17/21

Prep Reconciled Initials/Date: OF 05/06/21

Pre-Prep Check In: OF 05/06/21

Prep Check In: OF 05/17/21

Spike Reconciled Initials/Date: AO 05/17/21

VialBoxID: Yerba Mate

PREPARATION BENCH SHEET

Matrix: Solid

B1E0138

Chemist: AO

Method: 1613 Full List

Prep Date/Time: 17-May-21 07:13

Prepared using: HRMS - Soxhlet

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer:	OF 05/19/21	OF 05/19/21	OF 05/19/21	Florisil CHEM/ DATE	RS CHEM/WIT DATE
					CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE		
A1	B1E0138-BLK1	N/A	(10.00)	AO OF 05/17/21	AO OF 05/19/21	AO 05/19/21	AO 05/19/21	AO 05/19/21	AO 05/19/21	OF 05/20/21
A2	B1E0138-BS1	↓	(10.00)	↓	↓	↓	↓	↓	↓	↓
A3	B1E0138-DUP1 2105020-07	16.36	16.44	↓	↓	NA	black	↓	↓	↓
A4	2105020-01	19.39	19.45	↓	↓	↓	brown	↓	↓	↓
A5	2105020-02	17.43	17.45	↓	↓	↓	↓	↓	↓	↓
A6	2105020-03	15.81	15.97	↓	↓	↓	black	↓	↓	↓
A7	2105020-04	14.89	14.97	↓	↓	↓	brown	↓	↓	↓
A8	2105020-05	14.44	14.50	↓	↓	↓	↓	↓	↓	↓
A9	2105020-06	15.86	16.01	↓	↓	↓	↓	↓	↓	↓
A10	2105020-07	16.36	16.60	↓	↓	↓	black	↓	↓	↓
A11	2105020-08	16.84	17.00	↓	↓	↓	yellow	↓	↓	↓
A12	2105020-09	16.73	16.86	↓	↓	↓	↓	↓	↓	↓
B1	2105021-01	16.98	17.02	↓	↓	↓	↓	↓	↓	↓
B2	2105021-02	17.01	17.08	↓	↓	↓	↓	↓	↓	↓
B3	2105021-03	17.30	17.55	↓	↓	↓	↓	↓	↓	↓

IS: <u>21C0101, 10ML</u> (V8)	Cycle Time	APP: SEFUN (SOX) SDS	Check Out: Chemist/Date: <u>OF 05/17/21</u>	Soxhlet Siphoned Chemist/Date: <u>AO 05/17/21</u>	Notes:
NS: <u>20F0107, 10ML</u> (V4)	Start Date/Time	SOLV: <u>TOL.</u>	Check In: Chemist/Date: <u>OF 05/17/21</u>	Vial Transfer Chemist/Date: <u>OF 05/20/21</u>	
PS/CRS: <u>20H2501, 10ML</u> (V1)	05/17/21 13:52	Other: <u>N/A</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20H2502, 10ML</u> (V3)	Stop Date/Time	Final Volume(s) <u>20ML</u>			
(Diox/F) PCB PAH PEST PBDE HCB	05/18/21 06:27	<u>C14</u>			

Comments:

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

PREPARATION BENCH SHEET

Matrix: Solid

B1E0138

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 17-May-21 07:13

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer:	OF 05/19/21	OF 05/19/21	OF 05/19/21	RS CHEM/WIT DATE	
					CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE		Florisil CHEM/ DATE
B5	2105021-04	17.13	17.26	AO OF 05/17/21	AO OF 05/19/21	NA	AO 05/19/21	AO 05/19/21	AO 05/19/21	OF 05/20/21
B7	2105021-05	24.65	24.87	↓	↓	↓	yellow black ↓	↓	↓	↓
B8	2105021-06	23.08	23.14							
B9	2105021-07	18.12	18.35							
B10	2105046-01	18.79	18.83							
B11	2105046-02	17.61	17.76							
B12	2105046-03	18.12	18.35	↓	↓	↓	↓	↓	↓	
D7	2105046-04	17.90	18.05							

IS: <u>21C0101, 10ML (V8)</u>	Cycle Time	APP: SEFUN <u>SOX</u> SDS	Check Out: Chemist/Date: <u>OF 05/17/21</u>	Soxhlet Siphoned Chemist/Date: <u>AO 05/17/21</u>	Notes:
NS: <u>20F0107, 10ML (V4)</u>	Start Date/Time	SOLV: <u>TOL.</u>	Check In: Chemist/Date: <u>OF 05/17/21</u>	Vial Transfer Chemist/Date: <u>OF 05/20/21</u>	
PS/CRS: <u>20H2501, 10ML (V1)</u>	05/17/21 13:52	Other: <u>N/A</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20H2502, 10ML (V3)</u>	Stop Date/Time	Final Volume(s) <u>20ML</u>			
<u>Diox/F</u> PCB PAH PEST PBDE HCB	<u>05/18/21 06:27</u>	<u>C14</u>			

Comments:

- 1 = Sample approached dryness on rotovap
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- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist
- 7 = Soxhlet approached dryness

Batch: B1E0138

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2105020-01	19.45	51.58502	10.0333	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-02	17.45	57.36568	10.0103	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-03	15.97	63.25678	10.1021	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-04	14.97	67.15543	10.0532	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-05	14.5	69.25099	10.0414	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-06	16.01	63.05732	10.0955	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-07	16.6	61.14286	10.1497	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-08	17	59.38932	10.0962	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105020-09	16.86	59.76409	10.0762	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105021-01	17.02	58.88554	10.0223	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105021-02	17.08	58.77342	10.0385	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105021-03	17.55	57.80591	10.1449	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105021-04	17.26	58.38384	10.0771	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105021-05	24.87	40.57143	10.0901	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105021-06	23.14	43.3291	10.0264	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105021-07	18.35	55.20134	10.1294	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105046-01	18.83	53.2294	10.0231	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105046-02	17.76	56.77966	10.0841	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105046-03	18.35	55.1948	10.1282	20	17-May-21 07:13	OQF			Sediment	1613 Full List
2105046-04	18.05	55.85831	10.0824	20	17-May-21 07:13	OQF			Sediment	1613 Full List
B1E0138-BLK1	10			20	17-May-21 07:13	OQF				QC
B1E0138-BS1	10			20	17-May-21 07:13	OQF	20F0107	10		QC
B1E0138-DUP1	16.44	61.14286	10.0579	20	17-May-21 07:13	OQF				QC

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

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B1E0041

Analyst: OF ✓ Test Code: %Moist/%Solids

Analyte: Dried at 110°C +/- 5°C Units: %
 Oven ID: 01 02 ✓

Data Entry Verified by:
 (Initial and Date) CHT 05/10/21

Inst HRMS-09 ✓

Date/Time IN: 05/06/21 1005 ✓ Date/Time OUT: 05/10/21 1009 ✓

Particle Size	SampID	SampType	E Initial and Date: OF 05/06/21		G CHT 05/10/21		H Dry Sample Weight (g)	I %Solids RawVal	K OF 05/06/21				P OF 05/06/21
			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	
	2105021-01	A	1.2400 ✓	7.8800 ✓	5.1500 ✓	3.9100	58.89	Mud ✓	n/a	n/a	n/a	n/a	x ✓
	2105021-02	A	1.2400 ✓	7.1100 ✓	4.6900 ✓	3.4500	58.77	Mud ✓	n/a	n/a	n/a	n/a	x ✓
	2105021-03	A	1.2500 ✓	8.3600 ✓	5.3600 ✓	4.1100	57.81	Mud ✓	n/a	n/a	n/a	n/a	x ✓
	2105021-04	A	1.2500 ✓	6.2000 ✓	4.1400 ✓	2.8900	58.38	Mud ✓	n/a	n/a	n/a	n/a	x ✓
	2105021-05	A	1.2600 ✓	10.0100 ✓	4.8100 ✓	3.5500	40.57	Dirt ✓	n/a	n/a	n/a	n/a	x ✓
	2105021-06	A	1.2500 ✓	9.1200 ✓	4.6600 ✓	3.4100	43.33	Dirt ✓	n/a	n/a	n/a	n/a	x ✓
	2105021-07	A	1.2500 ✓	7.2100 ✓	4.5400 ✓	3.2900	55.20	Dirt ✓	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 B1E0041

Analyst: **OF**

Test Code: %Moist/%Solids

Analyte:

Units: %

Data Entry Verified by:
(Initial and Date) _____

Dried at 110°C +/- 5°C

Oven ID: 01 **02**

Inst **HRMS-09**

Date/Time IN: **05/06/21** Date/Time OUT: **05/10/21**
10:05 **10:09**

* CAT **051012**

Particle Size	SamplD	SampType	Initial and Date:	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl- Before	pH After	Acid Added	Sample Homogenized*
			OF 05/06/21	CAT 051012		OF 05/06/21		OF 05/06/21				OF 05/06/21	
		A		1.24	7.88	5.15	N/A	N/A	mud		N/A		X
				1.24	7.11	4.69							X
				1.25	8.36	5.36							X
				1.25	6.20	4.84	4.14						X
				1.26	10.01	4.81			dirt				X
				1.25	9.12	4.66							X
				1.25	7.21	4.54							X

*Sample homogenized in sample container unless otherwise noted.

Rx #1 KJR
5/28/21

RUSH!

Process Sheet

Workorder: **2105021**

Prep Expiration: 2022-04-30
Client: Anchor QEA, LLC

Workorder Due: 01-Jun-21 00:00

TAT: 28

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

Prep Batch: BIF0018

Prep Data Entered: AO 06/08/21
Date and Initials

Initial Sequence: SIF0020

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Date Received	Location	Comments
2105021-01		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-034SC-A-08-09-210430	04-May-21 09:40	WR-2 D-5	
2105021-02		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-024SC-A-09-9.7-210430	04-May-21 09:40	WR-2 D-5	
2105021-03		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-029SC-A-10-11-210430	04-May-21 09:40	WR-2 D-5	
2105021-04		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-030SC-A-11-12-210430	04-May-21 09:40	WR-2 D-5	
2105021-05		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-051SC-A-08-09-210430	04-May-21 09:40	WR-2 D-5	
2105021-06		<input type="checkbox"/>	<input type="checkbox"/>	USMPDI-051SC-A-08-10-210430	04-May-21 09:40	WR-2 D-5	
2105021-07		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-051SC-A-10-10.8-210430	04-May-21 09:40	WR-2 D-5	

WO Comments: 1613: 10g dw

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

Prep Check Out: AO 06/03/21
Prep Check In: TC 06/03/21

Prep Reconciled Initials/Date: TC 06/03/21
Spike Reconciled Initials/Date: AO 06/03/21
VialBoxID: Red Velvet

PREPARATION BENCH SHEET

Matrix: Solid

B1F0018

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 03-Jun-21 07:05

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/DATE	ABSG CHEM/DATE	AA CHEM/DATE	Florisil CHEM/DATE	RS CHEM/WIT DATE
	B1F0018-BLK1	N/A	(10.00)	AO 06/03/21	AO 06/04/21	NA	AO 06/04/21	AO 06/04/21	AO 06/04/21	AO 06/04/21
	B1F0018-BS1	↓	(10.00)	↓	↓	↓	↓	↓	↓	↓
	B1F0018-DUP1 2105221-01	11.31	11.63	↓	↓	↓	↓	↓	↓	↓
	2105021-07RE1	18.12	18.55	↓	↓	↓	yellow	↓	↓	↓
	2105200-03	10.00	10.01	↓	↓	↓	↓	↓	↓	↓
	2105200-04	10.00	10.13	↓	↓	↓	↓	↓	↓	↓
	2105200-05	10.00	10.03	↓	↓	↓	↓	↓	↓	↓
	2105200-06	10.00	10.36	↓	↓	↓	↓	↓	↓	↓
	2105200-09	5.00	5.17	↓	↓	↓	↓	↓	↓	↓
	2105200-10	10.00	10.13	↓	↓	↓	↓	↓	↓	↓
	2105200-11	10.00	10.06	↓	↓	↓	↓	↓	↓	↓
	2105200-12	10.00	10.41	↓	↓	↓	↓	↓	↓	↓
	2105200-16	5.00	5.34	↓	↓	↓	blue	↓	↓	↓
	2105200-18	10.00	10.02	↓	↓	↓	↓	↓	↓	↓
	2105200-19	10.00	10.22	↓	↓	↓	↓	↓	↓	↓

IS: <u>210101, 101 (V7)</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>AO 06/02/21</u>	Soxhlet Siphoned Chemist/Date: <u>AO 04/13/21</u>	Notes:
NS: <u>20F0107, 101 (V4)</u>	Start Date/Time	SOLV: <u>TG1</u>	Check In: Chemist/Date: <u>TC 06/03/21</u>	Vial Transfer Chemist/Date: <u>AO 06/04/21</u>	
PS/CRS: <u>21E1801, 5mL (V8)</u>	Stop Date/Time	Other: <u>NA</u>	Balance ID: <u>HRMS-9</u>		
RS: <u>21E1802, 10mL (V8)</u>	Final Volume(s) <u>C14</u>				
<u>Sox</u> PCB PAH PEST PBDE HCB	<u>06/03/21 1220</u>	<u>20mL</u>			

Comments:

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

PREPARATION BENCH SHEET

Matrix: Solid

B1F0018

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 03-Jun-21 07:05

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
	2105221-01	11.31	11.42	AO TC 06/03/21	AO JK 06/04/21	NA	AO 06/04/21	AO 06/04/21	AO 06/04/21	AO JK 06/04/21
	2105221-02	12.06	12.36	↓	↓	↓	↓	↓	↓	↓
	2105221-03	12.29	12.40	↓	↓	↓	↓	↓	↓	↓
	2105221-05	19.76	19.82	↓	↓	↓	↓	↓	↓	↓
	2105221-06	16.89	17.00	↓	↓	↓	↓	↓	↓	↓
	2105221-07	15.25	15.42	↓	↓	↓	↓	↓	↓	↓
	2105221-09	11.91	12.21	↓	↓	↓	↓	↓	↓	↓

IS: <u>210101, 10u (V2)</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>AO 06/03/21</u>	Soxhlet Siphoned Chemist/Date: <u>AO 06/02/21</u>	Notes:
NS: <u>20F0107, 10u (V4)</u>	Start Date/Time	SOLV: <u>T01</u>	Check In: Chemist/Date: _____	Vial Transfer Chemist/Date: <u>AO 06/01/21</u>	
PS/CRS: <u>21E1801, 5uL (V8)</u>	<u>06/02/21 1220</u>	Other: <u>NA</u>	Balance ID: <u>HRMS-9</u>		
RS: <u>21E1802, 10uL (V8)</u>	Stop Date/Time	Final Volume(s) <u>C14</u> <u>20uL</u>			
Diox/F PCB PAH PEST PBDE HCB	<u>06/03/21 0001</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

Batch: B1F0018

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2105021-07RE1	18.55	55.20134	10.2398	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
2105200-03	10.01			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-04	10.13			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-05	10.03			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-06	10.36			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-09	5.17			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-10	10.13			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-11	10.06			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-12	10.41			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-16	5.34			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-18	10.02			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105200-19	10.22			20	03-Jun-21 07:05	TC			Soil	1613 Full List
2105221-01	11.42	88.44106	10.1000	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
2105221-02	12.36	82.94648	10.2522	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
2105221-03	12.4	81.39662	10.0932	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
2105221-05	19.82	50.53691	10.0164	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
2105221-06	17	59.19421	10.0630	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
2105221-07	15.42	65.59098	10.1141	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
2105221-09	12.21	83.97129	10.2529	20	03-Jun-21 07:05	TC			Sediment	1613 Full List
B1F0018-BLK1	10			20	03-Jun-21 07:05	TC				QC
B1F0018-BS1	10			20	03-Jun-21 07:05	TC	20F0107	10		QC
B1F0018-DUP1	11.63	88.44106	10.2856953	20	03-Jun-21 07:05	TC				QC

All bolded data on report verified against written benchsheet by (initial/date) AO 06/08/21

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

Last Altered: Wednesday, May 26, 2021 3:12:50 PM Pacific Daylight Time
Printed: Wednesday, May 26, 2021 3:13:26 PM Pacific Daylight Time

Handwritten: Hc 5-26-2021 C1 06/02/2021

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank, Task: ST210524D2-1

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD		NO	1.05	10.000					0.0844	
2	1,2,3,7,8-PeCDD		NO	0.881	10.000					0.245	
3	1,2,3,4,7,8-HxCDD		NO	1.14	10.000					0.189	
4	1,2,3,6,7,8-HxCDD		NO	1.01	10.000					0.207	
5	1,2,3,7,8,9-HxCDD		NO	1.02	10.000					0.222	
6	1,2,3,4,6,7,8-HpCDD		NO	1.07	10.000					0.230	
7	OCDD		NO	1.00	10.000					0.491	
8	2,3,7,8-TCDF		NO	0.864	10.000					0.0555	
9	1,2,3,7,8-PeCDF		NO	0.948	10.000					0.157	
10	2,3,4,7,8-PeCDF		NO	1.04	10.000					0.129	
11	1,2,3,4,7,8-HxCDF		NO	1.04	10.000					0.102	
12	1,2,3,6,7,8-HxCDF		NO	1.07	10.000					0.102	
13	2,3,4,6,7,8-HxCDF		NO	1.12	10.000					0.115	
14	1,2,3,7,8,9-HxCDF		NO	1.10	10.000					0.162	
15	1,2,3,4,6,7,8-HpCDF		NO	1.16	10.000					0.133	
16	1,2,3,4,7,8,9-HpCDF		NO	1.19	10.000					0.164	
17	OCDF		NO	0.909	10.000					0.374	
18	13C-2,3,7,8-TCDD	7.04e4	0.73	NO	1.15	10.000	26.91	1.024	118.62	59.3	0.376
19	13C-1,2,3,7,8-PeCDD	5.43e4	0.61	NO	0.887	10.000	31.07	1.183	118.20	59.1	0.266
20	13C-1,2,3,4,7,8-HxCDD	3.95e4	1.28	NO	0.645	10.000	34.52	1.014	105.54	52.8	0.604
21	13C-1,2,3,6,7,8-HxCDD	4.51e4	1.27	NO	0.717	10.000	34.64	1.018	108.62	54.3	0.544
22	13C-1,2,3,7,8,9-HxCDD	4.27e4	1.26	NO	0.714	10.000	34.96	1.027	103.19	51.6	0.546
23	13C-1,2,3,4,6,7,8-HpCDD	3.63e4	1.10	NO	0.583	10.000	38.33	1.127	107.29	53.6	0.863
24	13C-OCDD	4.79e4	0.87	NO	0.451	10.000	41.78	1.228	182.97	45.7	0.661
25	13C-2,3,7,8-TCDF	1.19e5	0.78	NO	1.09	10.000	26.34	1.003	120.06	60.0	0.303
26	13C-1,2,3,7,8-PeCDF	8.20e4	1.71	NO	0.805	10.000	29.96	1.141	111.69	55.8	0.903
27	13C-2,3,4,7,8-PeCDF	8.63e4	1.66	NO	0.792	10.000	30.91	1.177	119.43	59.7	0.917
28	13C-1,2,3,4,7,8-HxCDF	6.56e4	0.50	NO	0.997	10.000	33.54	0.986	113.43	56.7	0.871
29	13C-1,2,3,6,7,8-HxCDF	6.87e4	0.50	NO	1.03	10.000	33.69	0.990	115.16	57.6	0.844
30	13C-2,3,4,6,7,8-HxCDF	6.19e4	0.50	NO	0.940	10.000	34.40	1.011	113.58	56.8	0.924
31	13C-1,2,3,7,8,9-HxCDF	5.32e4	0.48	NO	0.852	10.000	35.54	1.044	107.63	53.8	1.02

Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

Last Altered: Wednesday, May 26, 2021 3:12:50 PM Pacific Daylight Time

Printed: Wednesday, May 26, 2021 3:13:26 PM Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank, Task: ST210524D2-1

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32 13C-1,2,3,4,6,7,8-HpCDF	4.42e4	0.43	NO	0.727	10.000	37.13	1.091	104.88	52.4	0.761	
33 13C-1,2,3,4,7,8,9-HpCDF	3.58e4	0.42	NO	0.608	10.000	39.07	1.148	101.60	50.8	0.909	
34 13C-OCDF	7.05e4	0.90	NO	0.631	10.000	42.14	1.238	192.66	48.2	0.795	
35 37Cl-2,3,7,8-TCDD	6.43e4			2.22	10.000	26.94	1.026	55.853	69.8	0.0359	
36 13C-1,2,3,4-TCDD	1.04e5	0.76	NO	1.00	10.000	26.26	1.000	200.00	100	0.431	
37 13C-1,2,3,4-TCDF	1.82e5	0.79	NO	1.00	10.000	25.04	1.000	200.00	100	0.330	
38 13C-1,2,3,4,6,9-HxCDF	1.16e5	0.49	NO	1.00	10.000	34.03	1.000	200.00	100	0.868	
39 Total Tetra-Dioxins				1.05	10.000					0.0565	
40 Total Penta-Dioxins				0.881	10.000					0.0727	
41 Total Hexa-Dioxins				1.01	10.000					0.0943	
42 Total Hepta-Dioxins				1.07	10.000					0.0977	
43 Total Tetra-Furans				0.864	10.000			0.00000		0.0205	0.0573
44 1st Func. Penta-Furans				0.948	10.000					0.0234	
45 Total Penta-Furans				0.948	10.000					0.0456	
46 Total Hexa-Furans				1.12	10.000					0.0661	
47 Total Hepta-Furans				1.16	10.000					0.0802	

Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

Last Altered: Wednesday, May 26, 2021 3:12:50 PM Pacific Daylight Time

Printed: Wednesday, May 26, 2021 3:13:26 PM Pacific Daylight Time

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank, Task: ST210524D2-1

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	Total Tetra-Furans	26.28	5.660e2	4.870e2	2.547e1	1.669e1	1.53	YES	0.000e0	0.00000	0.057269	0.0205

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\210524D2\210524D2-5.qld

Last Altered: Wednesday, May 26, 2021 3:12:50 PM Pacific Daylight Time

Printed: Wednesday, May 26, 2021 3:13:26 PM Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank, Task: ST210524D2-1

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

Hepta-Furans

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

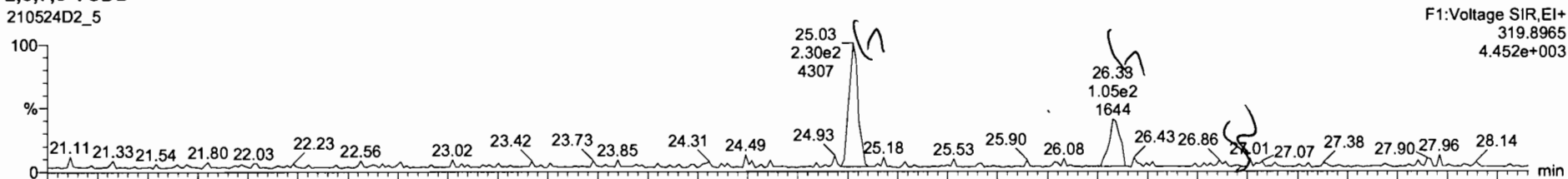
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Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

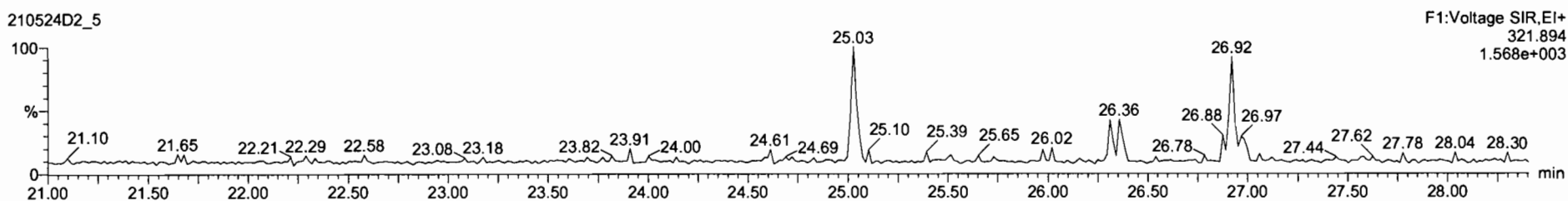
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Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD
210524D2_5



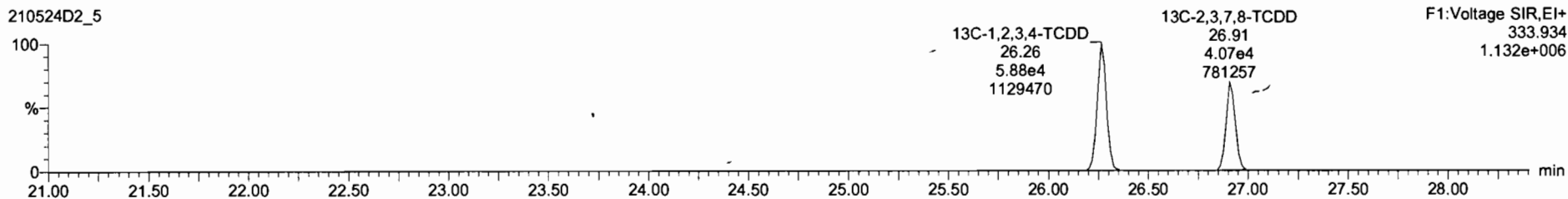
210524D2_5



13C-2,3,7,8-TCDD
210524D2_5



210524D2_5

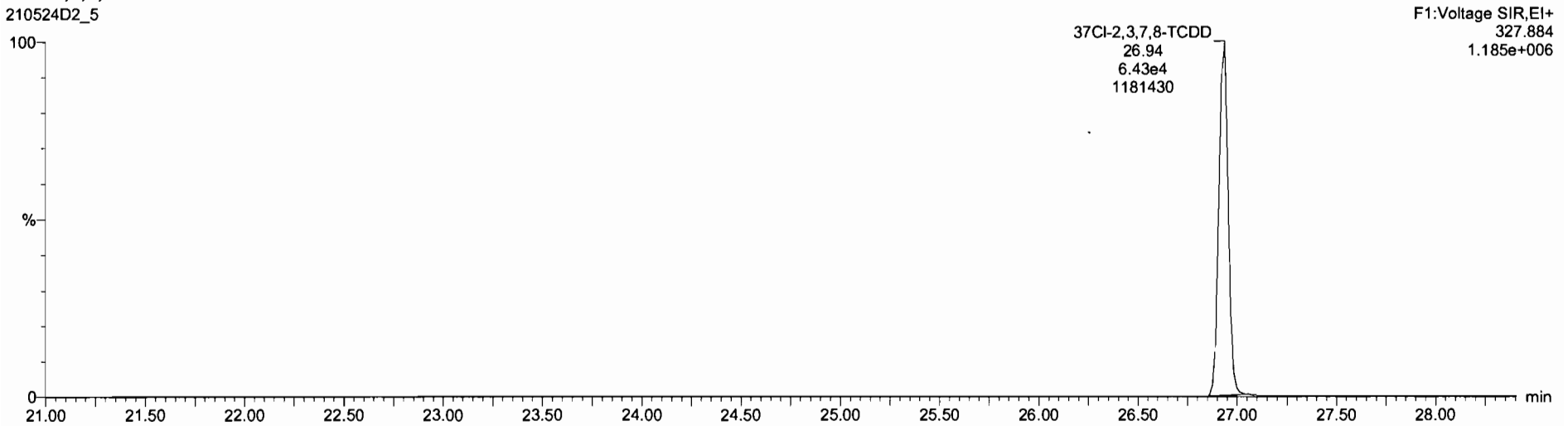


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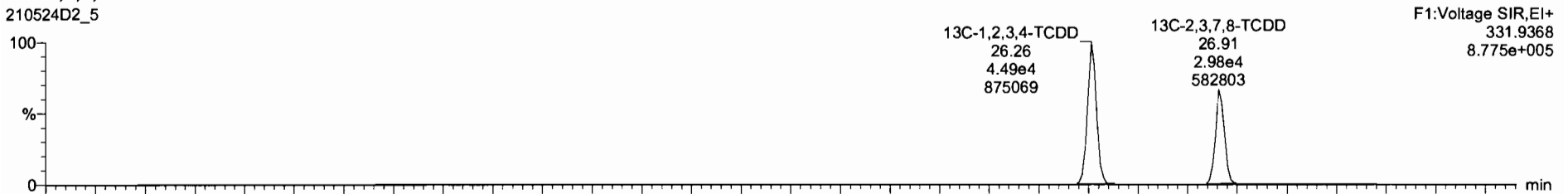
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Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

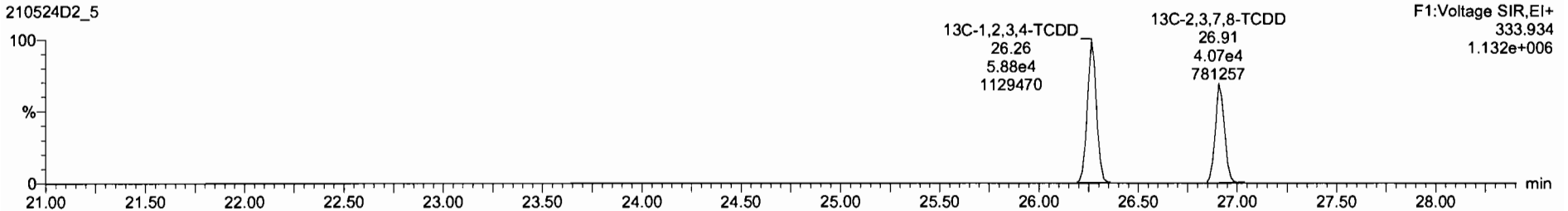
37Cl-2,3,7,8-TCDD
210524D2_5



13C-1,2,3,4-TCDD
210524D2_5



210524D2_5



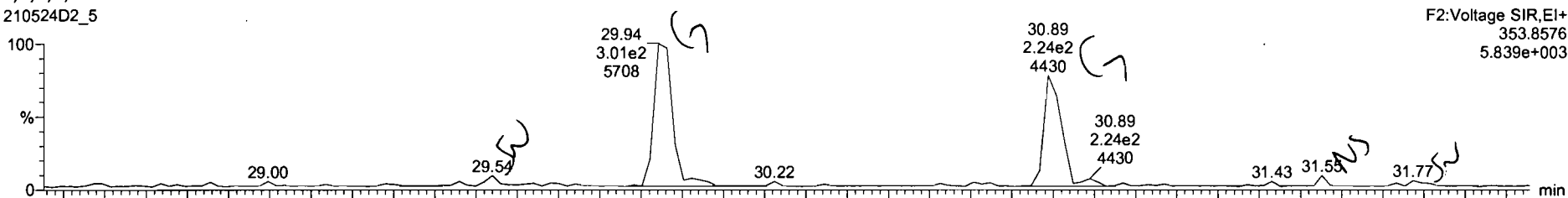
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Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

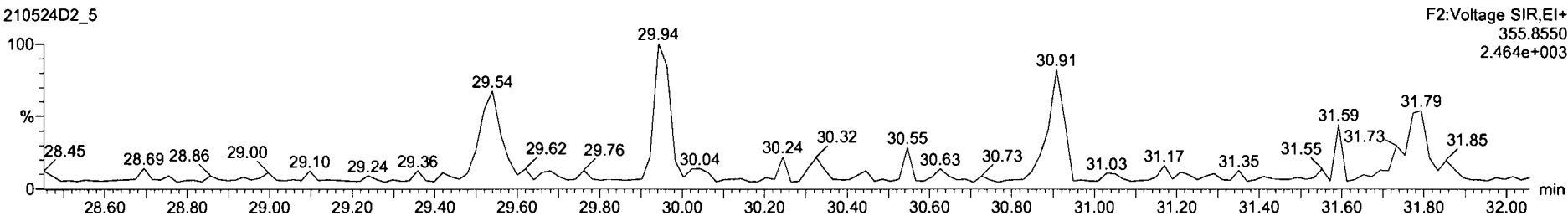
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1,2,3,7,8-PeCDD

210524D2_5



210524D2_5

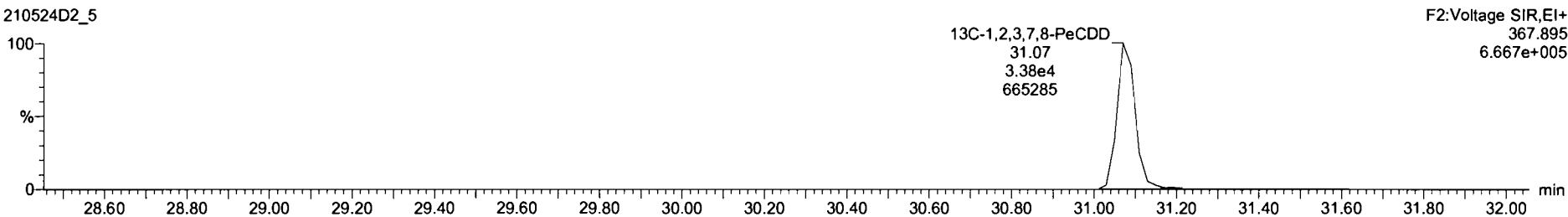


13C-1,2,3,7,8-PeCDD

210524D2_5



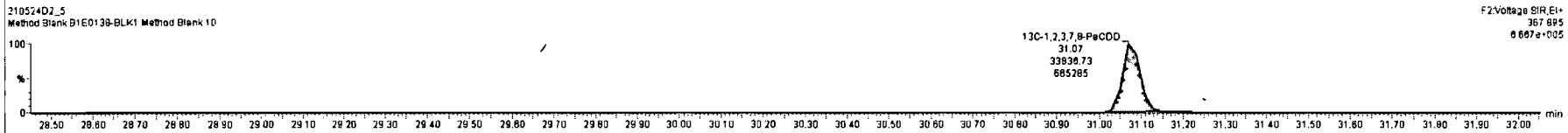
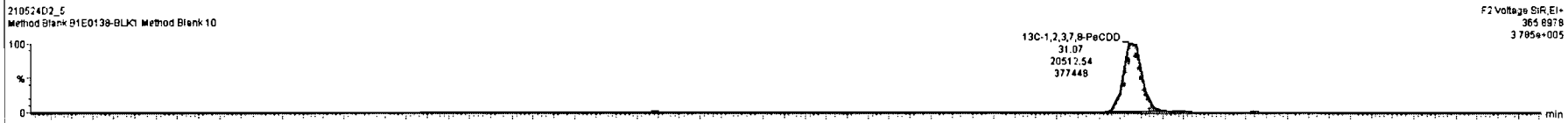
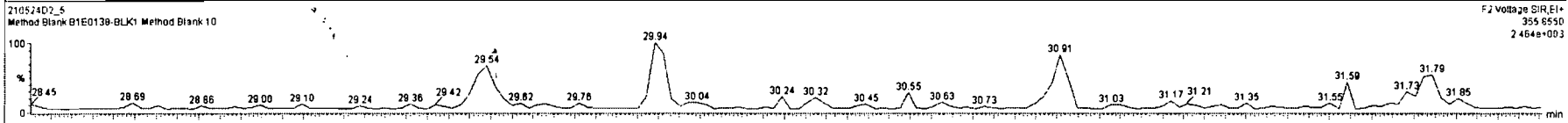
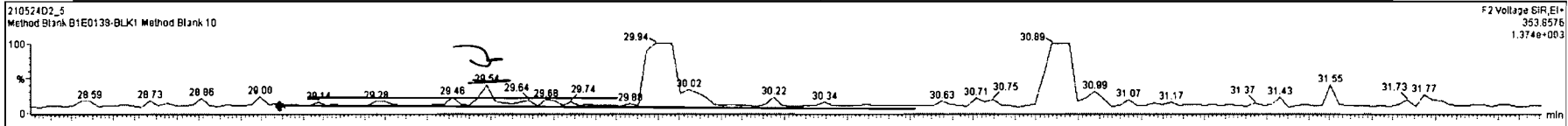
210524D2_5



210524D2_5 - B1E0138-BLK1 Method Blank 10 - Method Blank

Name	Resp	RA	rv	RF	wAdj	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.88	10.000				0.0727		
41 Total Hexa-Dioxins				1.01	10.000				0.0943		
42 Total Hepta-Dioxins				1.07	10.000				0.0977		
43 Total Tetra-Furans				0.86	10.000				0.0205		
44 1st Func. Penta-Furans				0.95	10.000				0.0234		
45 Total Penta-Furans				0.95	10.000				0.0456		
46 Total Hexa-Furans				1.12	10.000				0.0661		

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



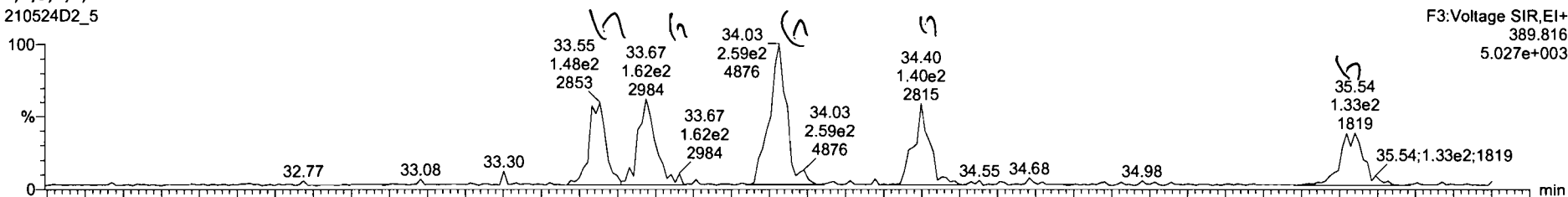
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Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

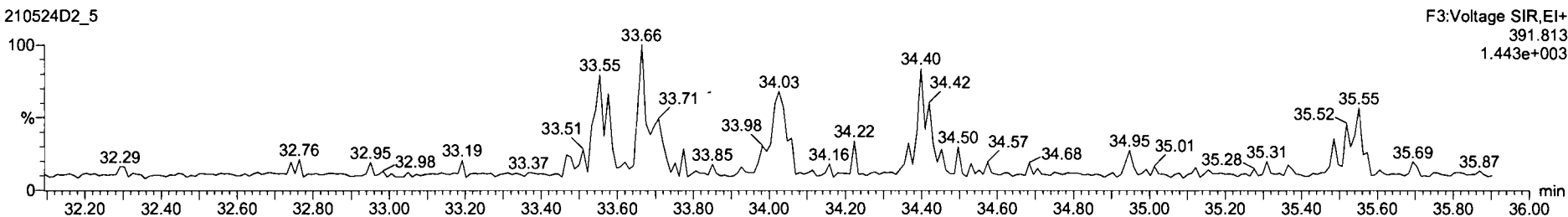
Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

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

210524D2_5

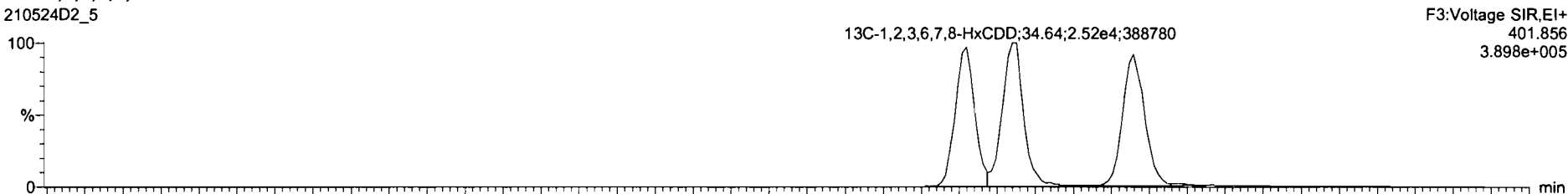


210524D2_5

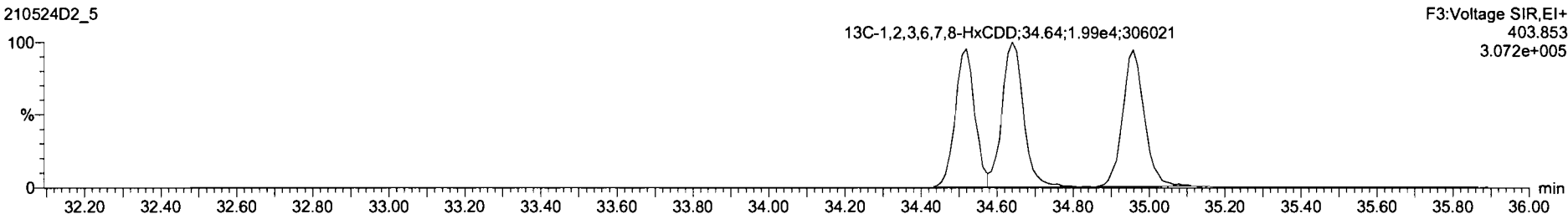


13C-1,2,3,4,7,8-HxCDD

210524D2_5



210524D2_5

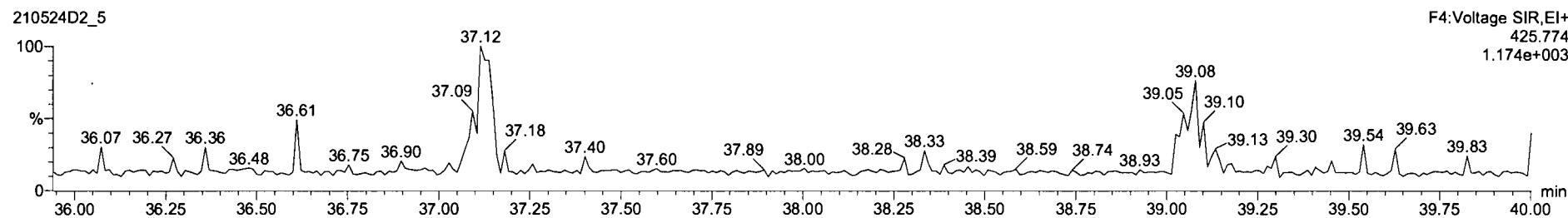
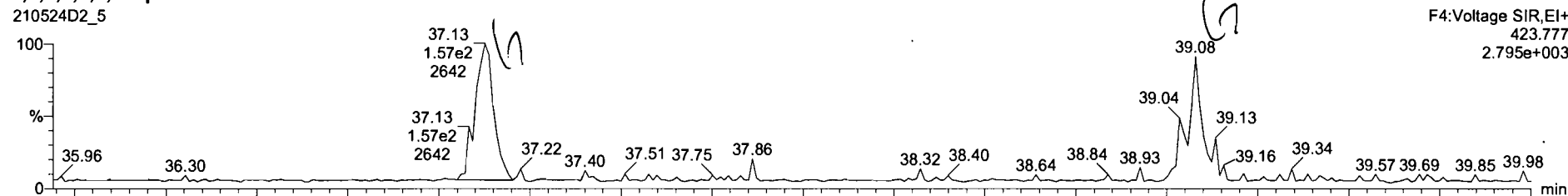


Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

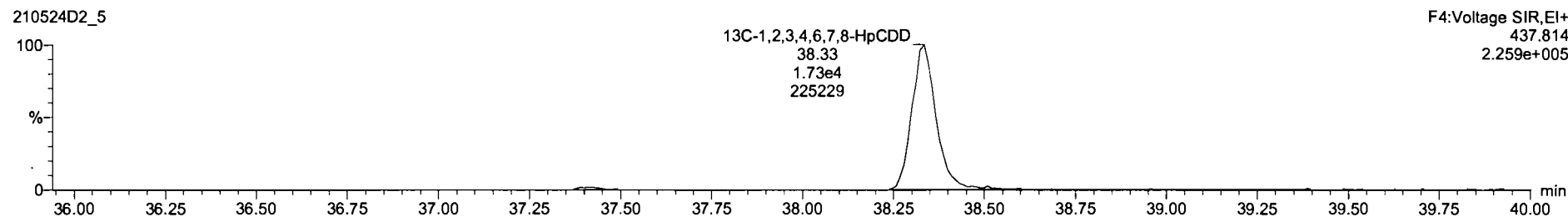
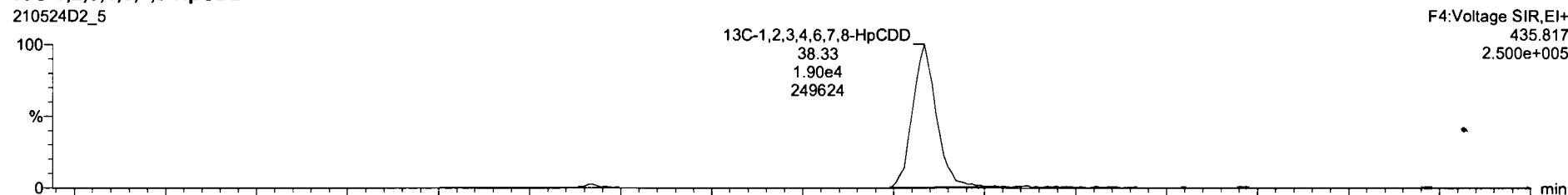
Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

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



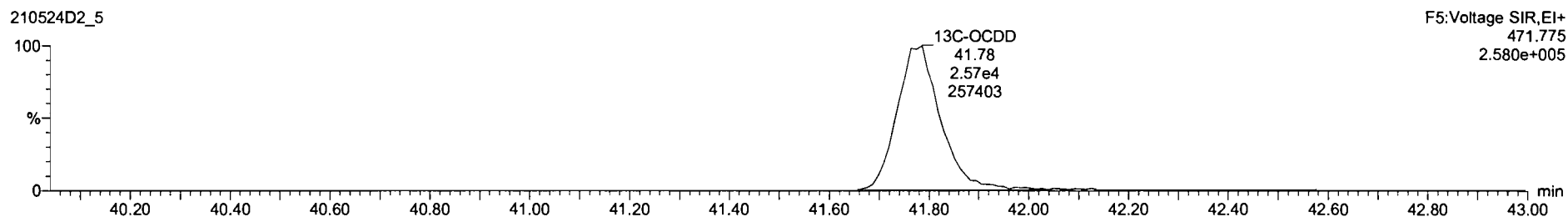
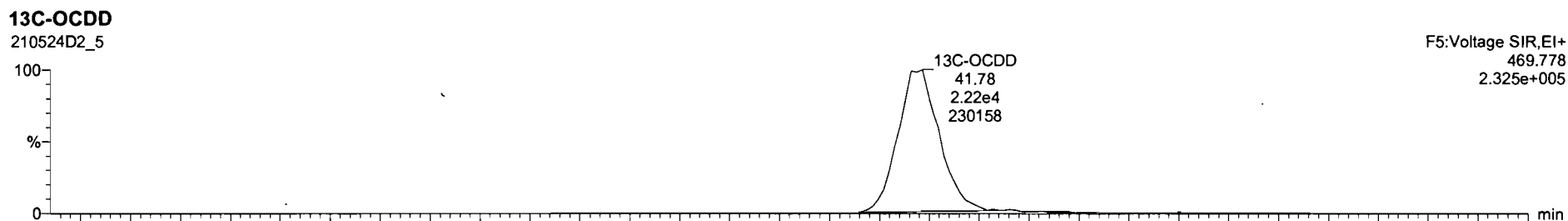
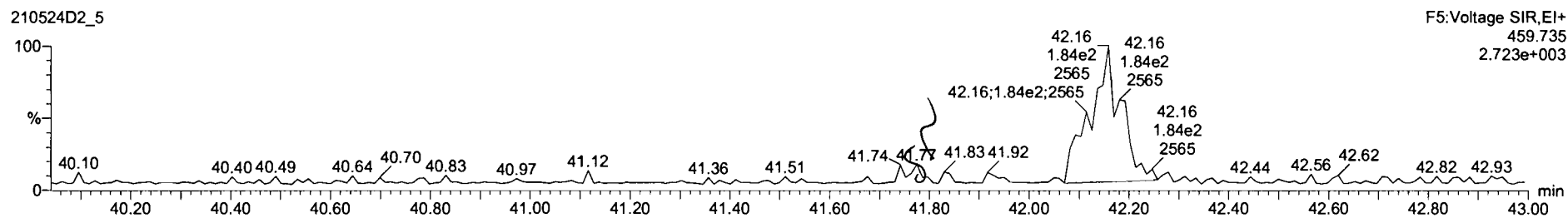
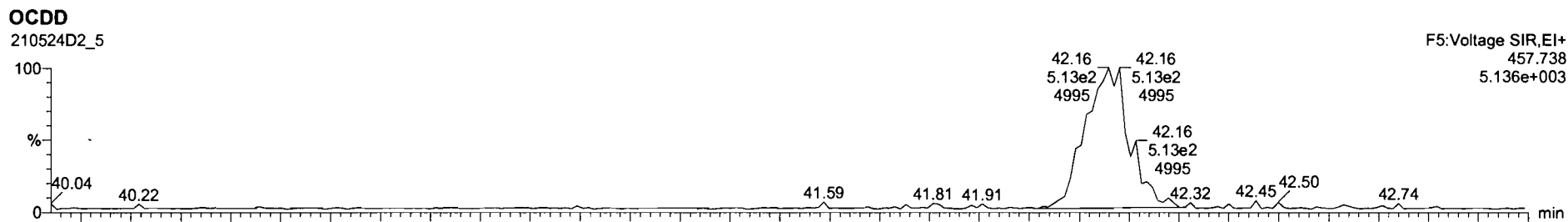
13C-1,2,3,4,6,7,8-HpCDD



Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

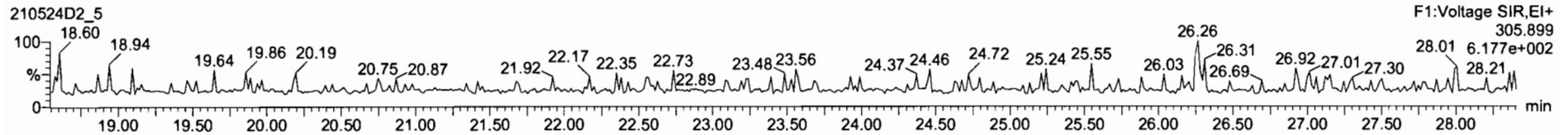
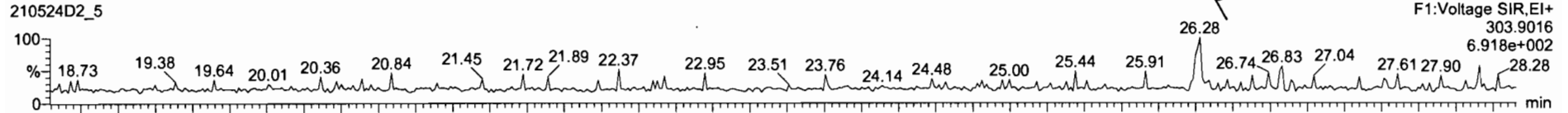


Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

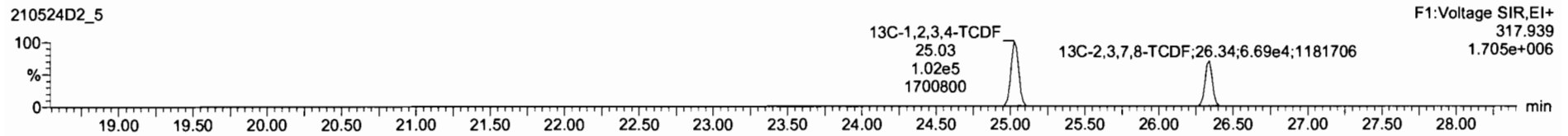
Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

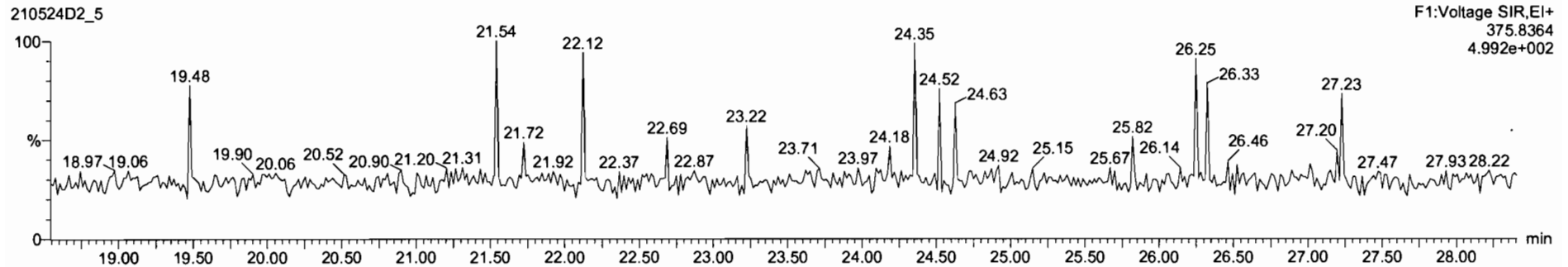
2,3,7,8-TCDF



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

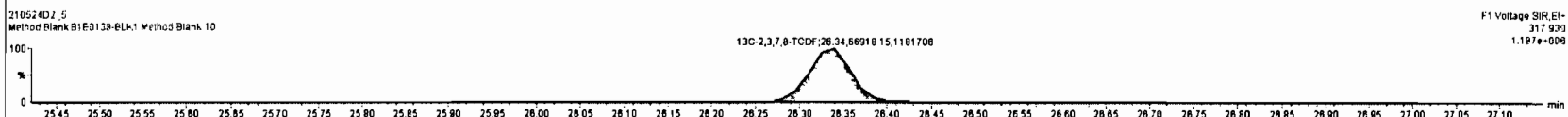
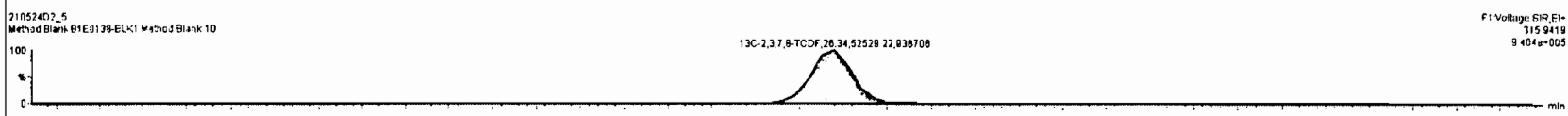
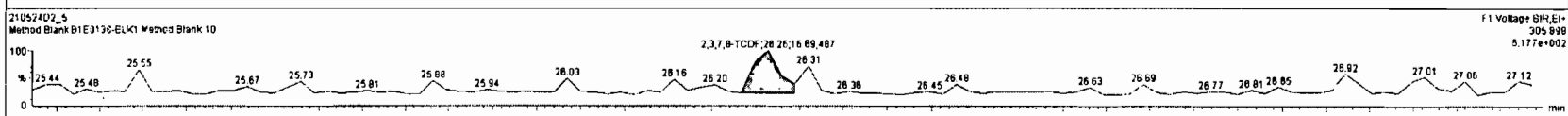
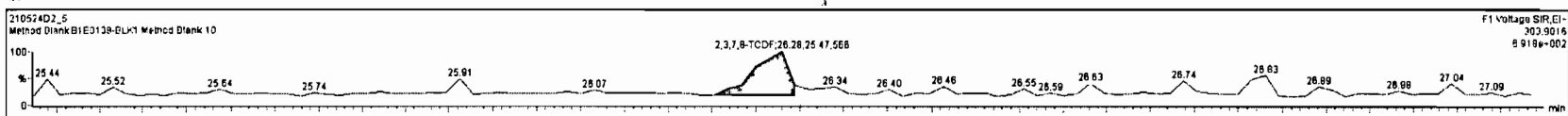


DPE1



#	Name	Resp	RA	nV	RF	WAVol	RT	RTT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxine				1.07	10.000					0.0977	
43	Total Tetra-Furans				0.96	10.000			0.000		0.0205	0.0573
44	1st Func. Penta-Furans				0.95	10.000					0.0234	
45	Total Penta-Furans				0.95	10.000					0.0456	
46	Total Hexa-Furans				1.12	10.000					0.0661	
47	Total Hepta-Furans				1.16	10.000					0.0802	

#	Name	RT	ref Resp	nd Resp	RA	nV	EMPC	Conc.
1	2,3,7,8-TCDF	26.26	2.547e1	1.869e1	1.53	YES	0.057269	0.00000



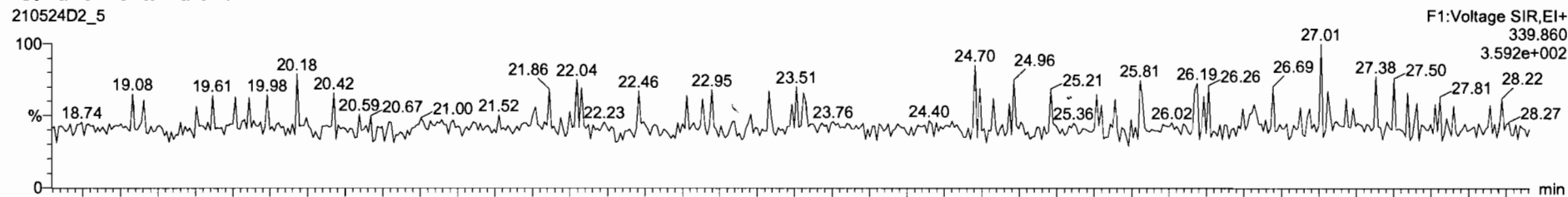
Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

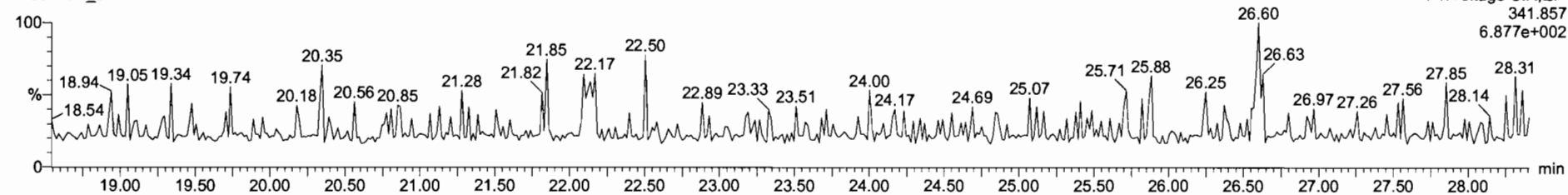
1st Func. Penta-Furans

210524D2_5



F1:Voltage SIR,EI+
339.860
3.592e+002

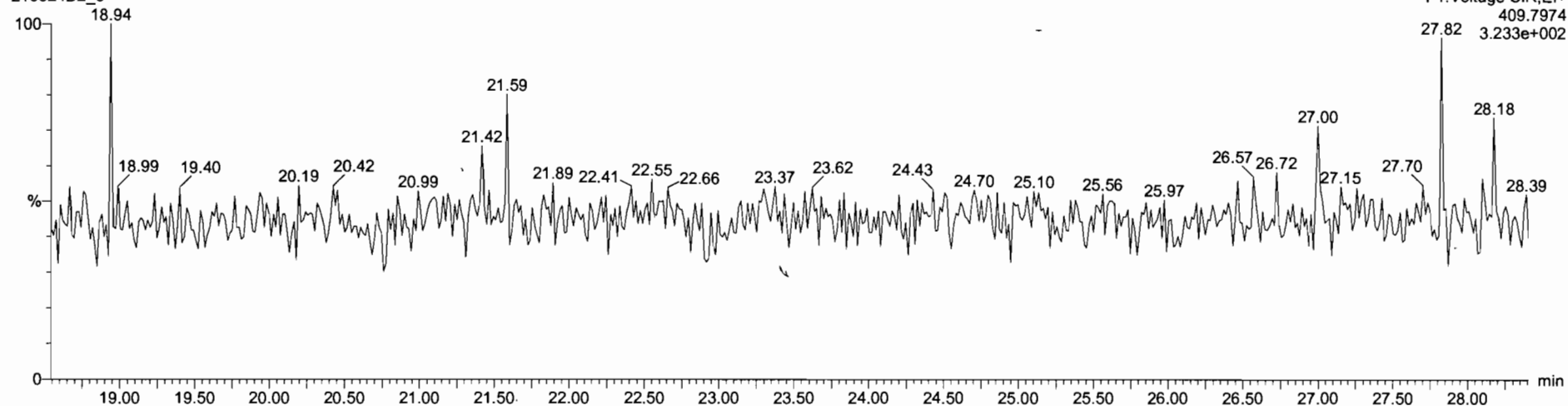
210524D2_5



F1:Voltage SIR,EI+
341.857
6.877e+002

DPE6

210524D2_5



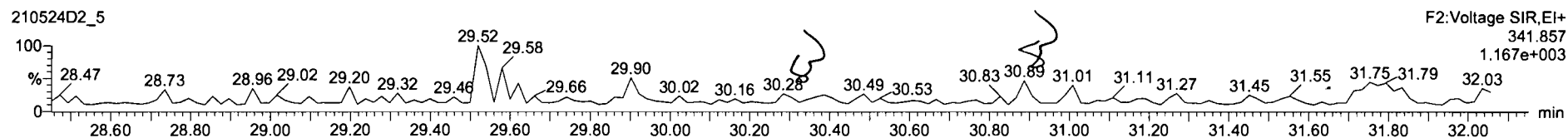
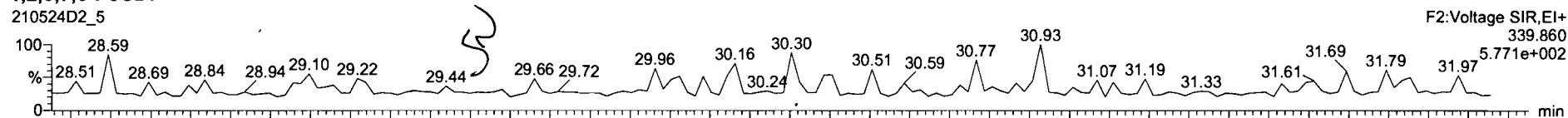
F1:Voltage SIR,EI+
409.7974
3.233e+002

Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

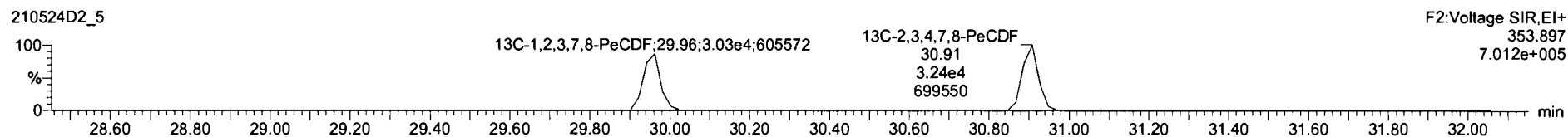
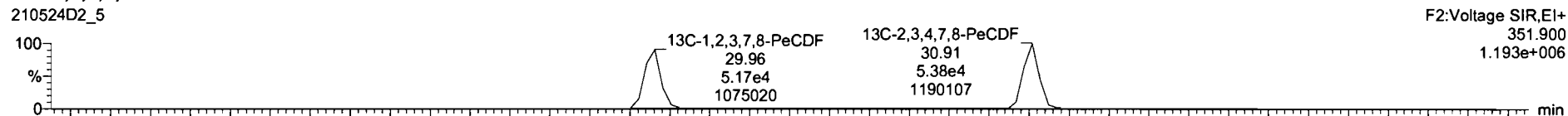
Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

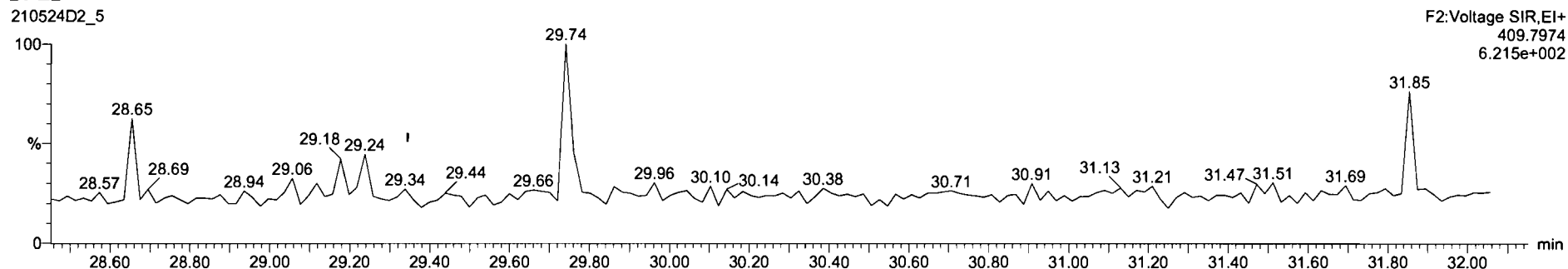
1,2,3,7,8-PeCDF



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



DPE2

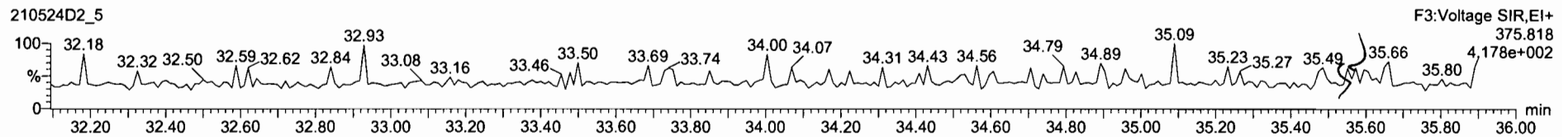
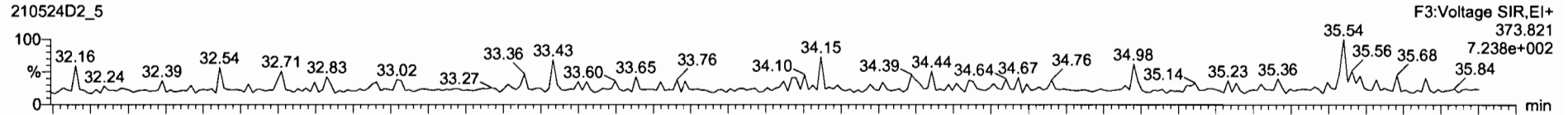


Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

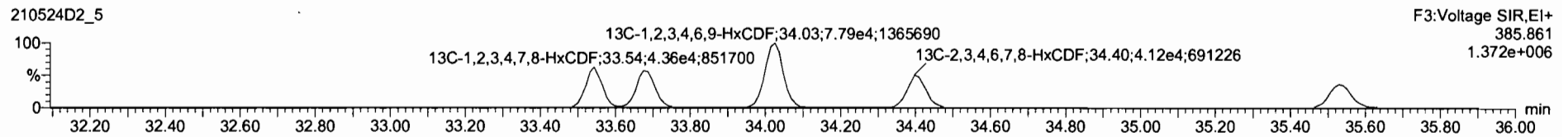
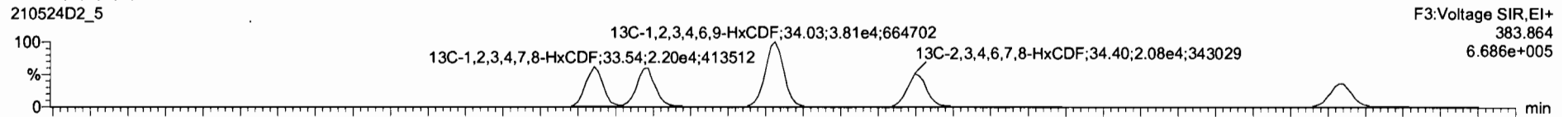
Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

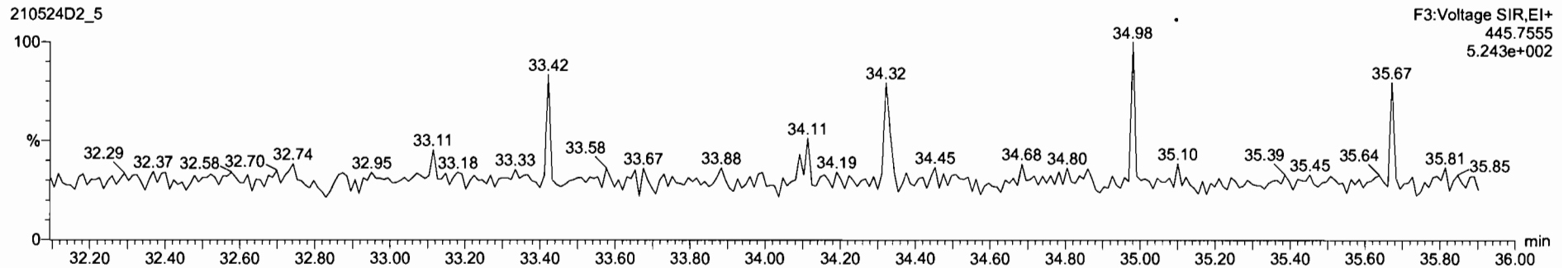
1,2,3,4,7,8-HxCDF



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



DPE3

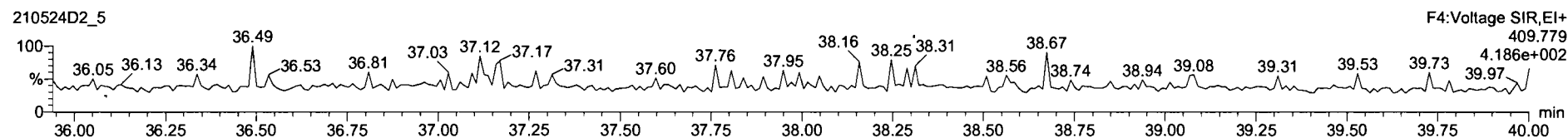
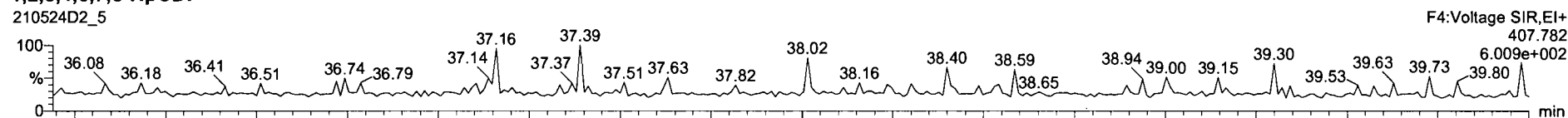


Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

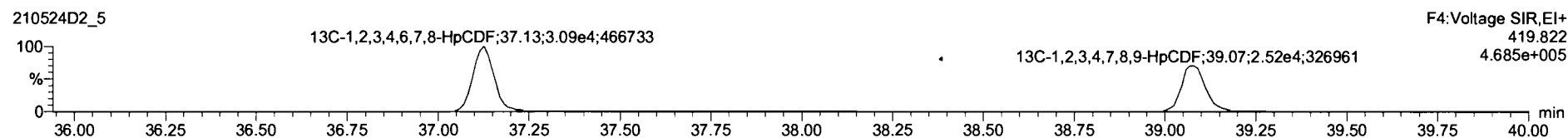
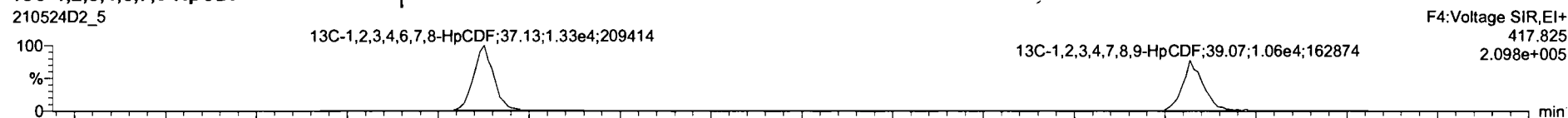
Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank

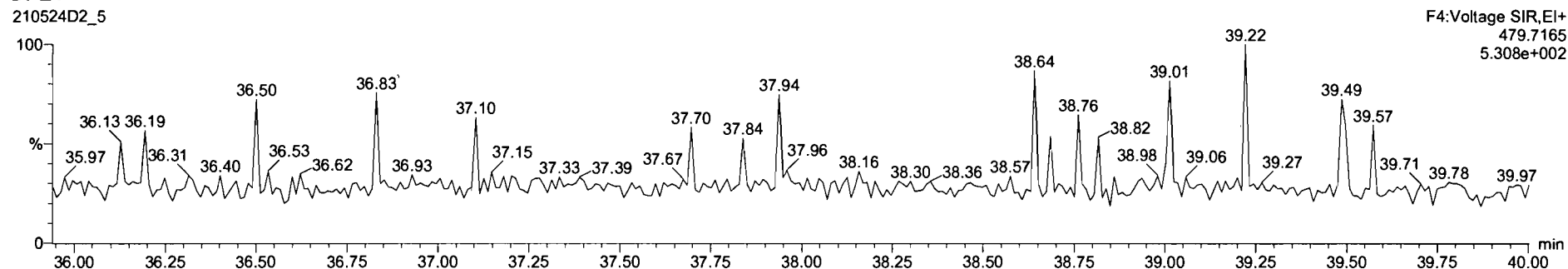
1,2,3,4,6,7,8-HpCDF



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



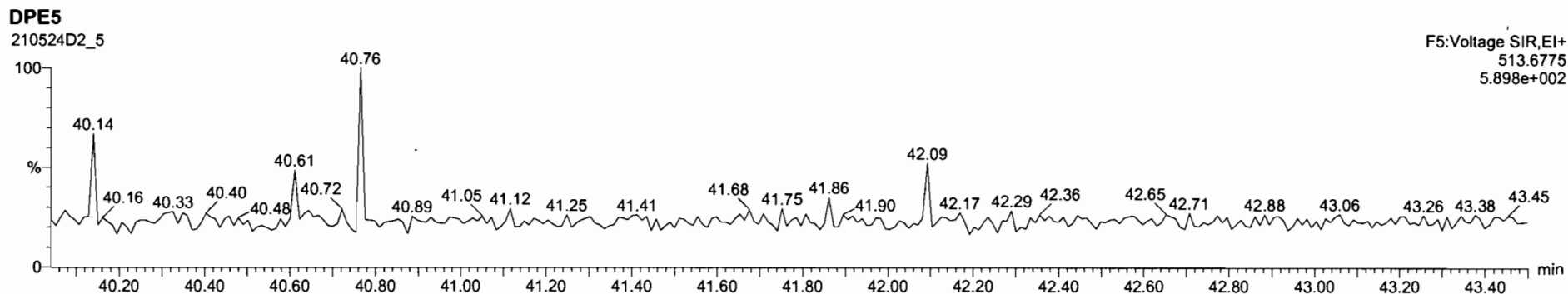
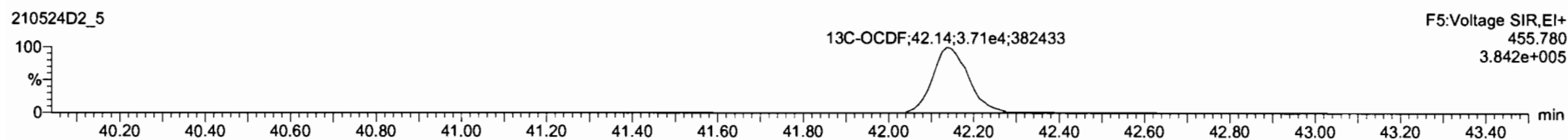
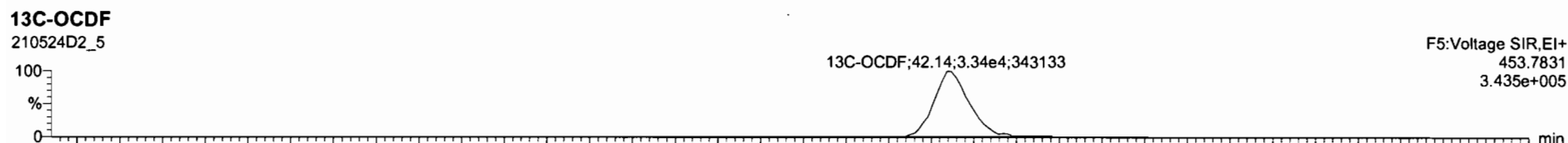
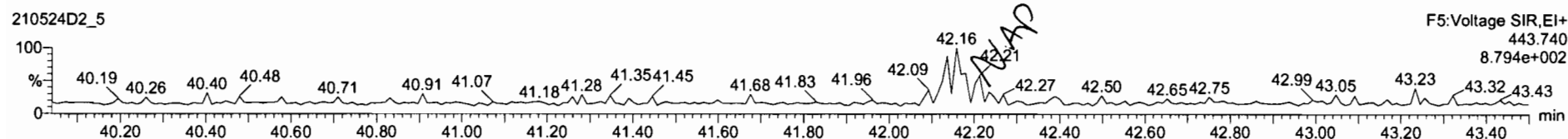
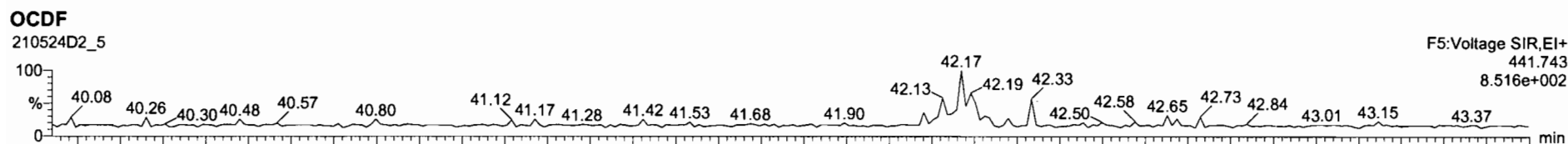
DPE4



Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

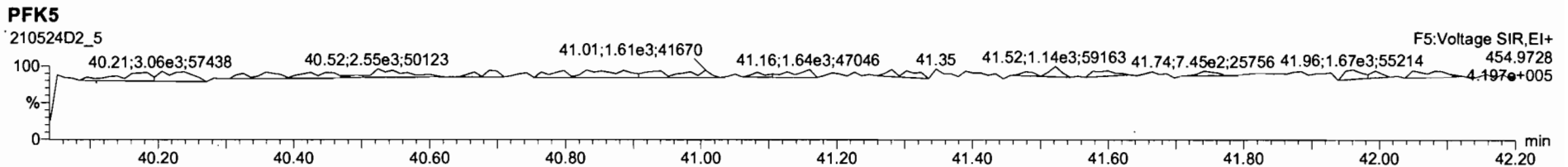
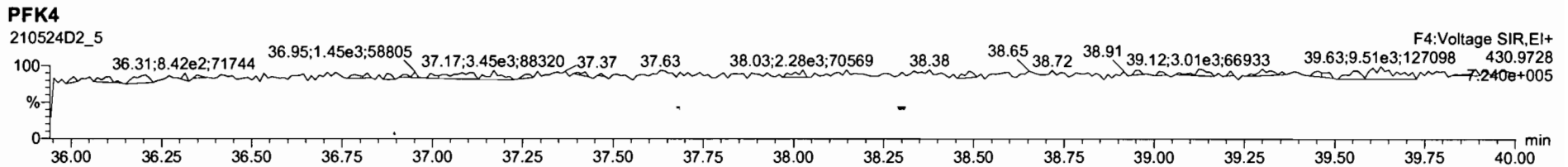
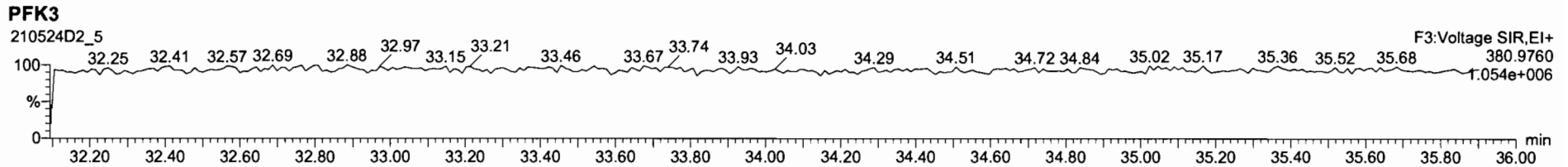
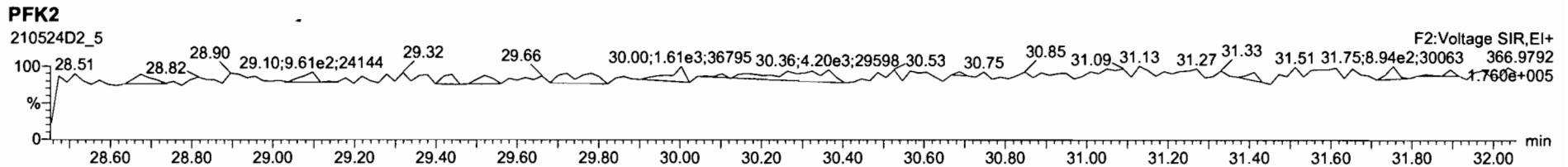
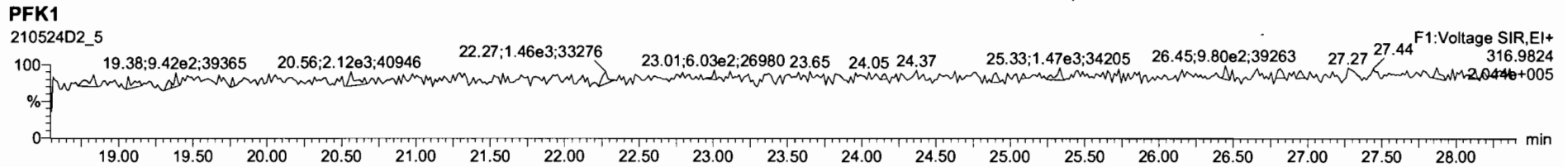
Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\210524D2\210524D2-5.qld

Last Altered: Tuesday, May 25, 2021 08:52:13 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:09:05 Pacific Daylight Time

Name: 210524D2_5, Date: 24-May-2021, Time: 22:16:47, ID: B1E0138-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\210524D2\210524D2-3.qld

Last Altered: Thursday, June 10, 2021 08:30:14 Pacific Daylight Time
Printed: Thursday, June 10, 2021 08:30:55 Pacific Daylight Time

HZ 6-10-2021

CT06/10/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_5-19-21.mdb 19 May 2021 12:17:04
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR, Task: ST210524D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.13e3	0.77	NO	1.05	10.000	26.95	1.001	24.550		0.234	24.5
2	1,2,3,7,8-PeCDD	1.94e4	0.61	NO	0.881	10.000	31.11	1.000	122.10		0.429	122
3	1,2,3,4,7,8-HxCDD	2.03e4	1.26	NO	1.14	10.000	34.56	1.001	117.25		0.822	117
4	1,2,3,6,7,8-HxCDD	2.09e4	1.28	NO	1.01	10.000	34.68	1.000	122.09		0.858	122
5	1,2,3,7,8,9-HxCDD	2.21e4	1.27	NO	1.02	10.000	34.98	1.001	119.18		0.817	119
6	1,2,3,4,6,7,8-HpCDD	1.82e4	1.07	NO	1.07	10.000	38.41	1.000	115.86		1.40	116
7	OCDD	2.41e4	0.92	NO	1.00	10.000	42.03	1.000	229.45		5.60	229
8	2,3,7,8-TCDF	6.77e3	0.77	NO	0.864	10.000	26.36	1.001	23.768		0.165	23.8
9	1,2,3,7,8-PeCDF	3.33e4	1.64	NO	0.948	10.000	29.98	1.000	127.34		0.488	127
10	2,3,4,7,8-PeCDF	3.56e4	1.61	NO	1.04	10.000	30.95	1.001	126.31		0.370	126
11	1,2,3,4,7,8-HxCDF	2.93e4	1.28	NO	1.04	10.000	33.56	1.000	117.92		0.610	118
12	1,2,3,6,7,8-HxCDF	3.11e4	1.22	NO	1.07	10.000	33.71	1.000	114.41		0.595	114
13	2,3,4,6,7,8-HxCDF	3.11e4	1.29	NO	1.12	10.000	34.45	1.001	118.54		0.695	119
14	1,2,3,7,8,9-HxCDF	2.54e4	1.27	NO	1.10	10.000	35.55	1.001	113.70		1.04	114
15	1,2,3,4,6,7,8-HpCDF	2.51e4	1.02	NO	1.16	10.000	37.19	1.000	121.29		1.04	121
16	1,2,3,4,7,8,9-HpCDF	2.11e4	1.03	NO	1.19	10.000	39.13	1.000	120.16		1.42	120
17	OCDF	3.02e4	0.91	NO	0.909	10.000	42.36	1.001	230.95		1.39	231
18	13C-2,3,7,8-TCDD	3.99e4	0.78	NO	1.15	10.000	26.92	1.024	81.625	40.8	0.588	
19	13C-1,2,3,7,8-PeCDD	3.61e4	0.60	NO	0.887	10.000	31.11	1.184	95.565	47.8	0.405	
20	13C-1,2,3,4,7,8-HxCDD	3.02e4	1.27	NO	0.645	10.000	34.54	1.015	93.977	47.0	0.671	
21	13C-1,2,3,6,7,8-HxCDD	3.38e4	1.27	NO	0.717	10.000	34.67	1.019	94.665	47.3	0.604	
22	13C-1,2,3,7,8,9-HxCDD	3.64e4	1.33	NO	0.714	10.000	34.96	1.027	102.14	51.1	0.606	
23	13C-1,2,3,4,6,7,8-HpCDD	2.95e4	1.05	NO	0.583	10.000	38.40	1.128	101.55	50.8	0.904	
24	13C-OCDD	4.20e4	0.87	NO	0.451	10.000	42.02	1.234	186.41	46.6	2.87	
25	13C-2,3,7,8-TCDF	6.60e4	0.76	NO	1.09	10.000	26.34	1.002	78.151	39.1	0.413	
26	13C-1,2,3,7,8-PeCDF	5.51e4	1.64	NO	0.805	10.000	29.98	1.141	88.436	44.2	0.594	
27	13C-2,3,4,7,8-PeCDF	5.43e4	1.67	NO	0.792	10.000	30.93	1.177	88.671	44.3	0.604	
28	13C-1,2,3,4,7,8-HxCDF	4.76e4	0.48	NO	0.997	10.000	33.55	0.986	95.691	47.8	0.670	
29	13C-1,2,3,6,7,8-HxCDF	5.06e4	0.50	NO	1.03	10.000	33.70	0.990	98.726	49.4	0.649	
30	13C-2,3,4,6,7,8-HxCDF	4.69e4	0.51	NO	0.940	10.000	34.43	1.012	100.06	50.0	0.711	
31	13C-1,2,3,7,8,9-HxCDF	4.07e4	0.49	NO	0.852	10.000	35.53	1.044	95.703	47.9	0.784	
32	13C-1,2,3,4,6,7,8-HpCDF	3.57e4	0.43	NO	0.727	10.000	37.18	1.092	98.466	49.2	0.918	

Dataset: U:\VG7.PRO\Results\210524D2\210524D2-3.qld

Last Altered: Thursday, June 10, 2021 08:30:14 Pacific Daylight Time
 Printed: Thursday, June 10, 2021 08:30:55 Pacific Daylight Time

Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR, Task: ST210524D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	2.96e4	0.45	NO	0.608	10.000	39.12	1.149	97.446	48.7	1.10	
34	13C-OCDF	5.76e4	0.91	NO	0.631	10.000	42.33	1.244	182.92	45.7	0.656	
35	37Cl-2,3,7,8-TCDD	3.47e4			2.22	10.000	26.94	1.025	36.642	45.8	0.0435	
36	13C-1,2,3,4-TCDD	8.53e4	0.82	NO	1.00	10.000	26.28	1.000	200.00	100	0.673	
37	13C-1,2,3,4-TCDF	1.55e5	0.76	NO	1.00	10.000	25.04	1.000	200.00	100	0.451	
38	13C-1,2,3,4,6,9-HxCDF	9.98e4	0.49	NO	1.00	10.000	34.04	1.000	200.00	100	0.668	

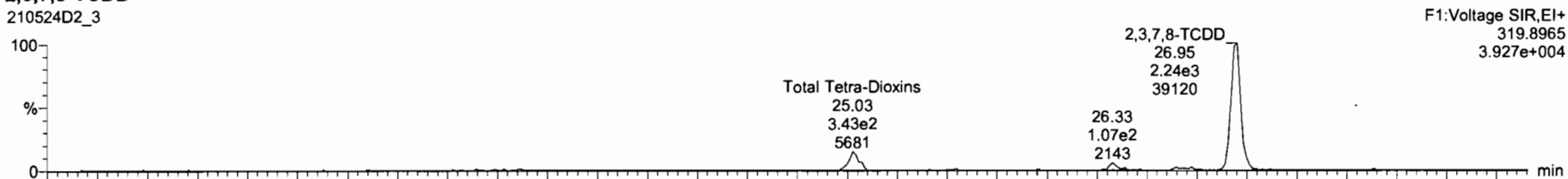
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Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:08:38 Pacific Daylight Time

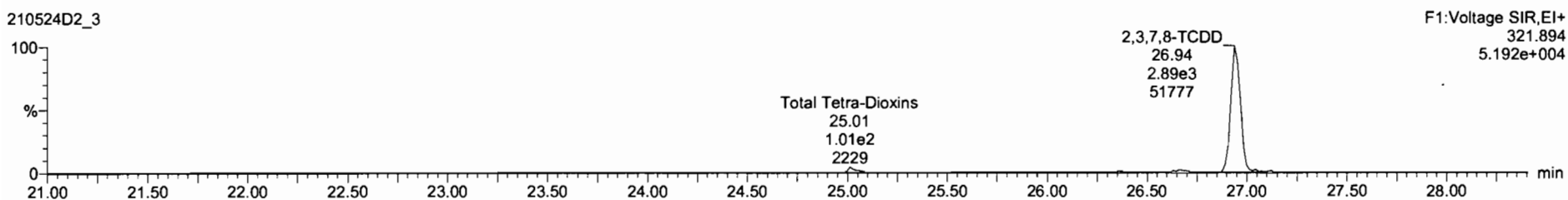
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Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR

2,3,7,8-TCDD
210524D2_3



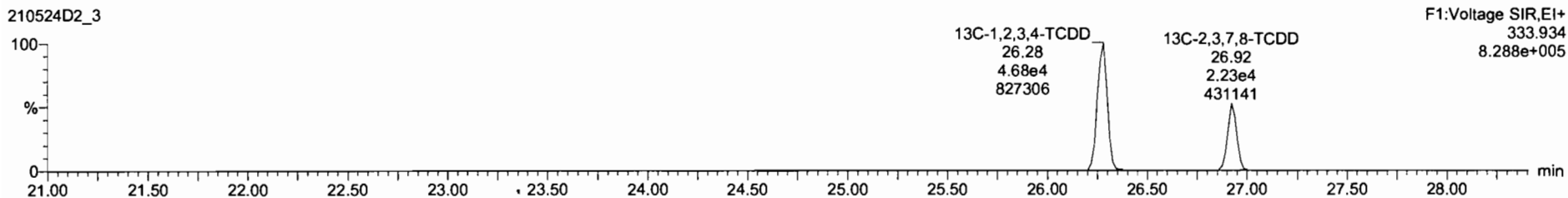
210524D2_3



13C-2,3,7,8-TCDD
210524D2_3



210524D2_3



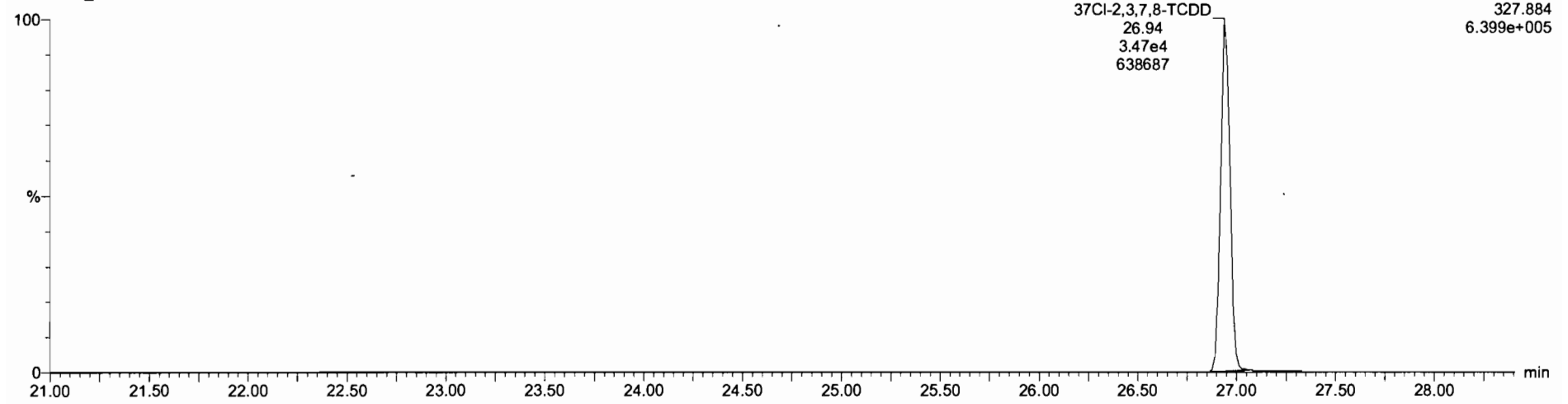
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Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:08:38 Pacific Daylight Time

Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR

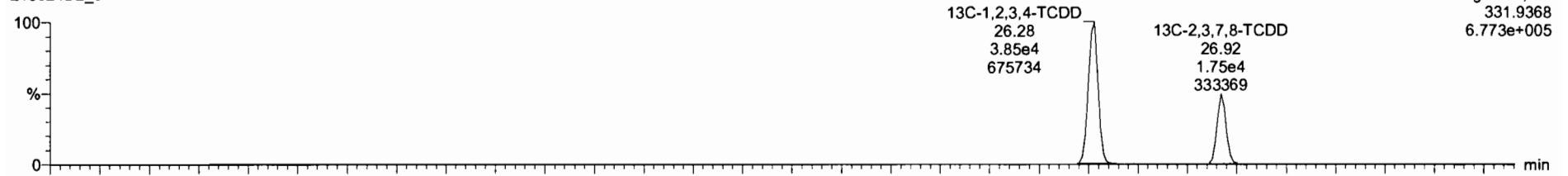
37Cl-2,3,7,8-TCDD

210524D2_3

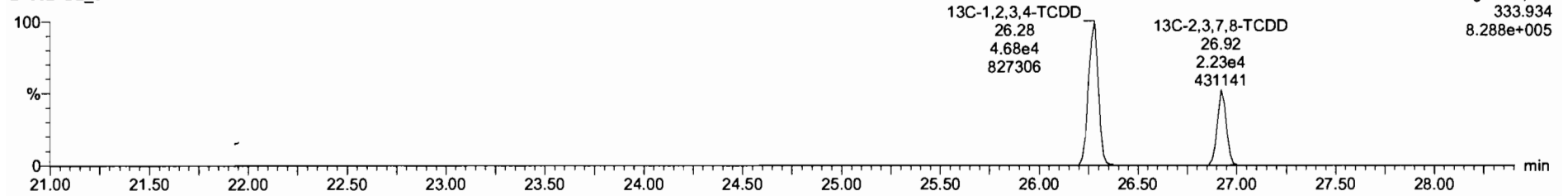


13C-1,2,3,4-TCDD

210524D2_3



210524D2_3



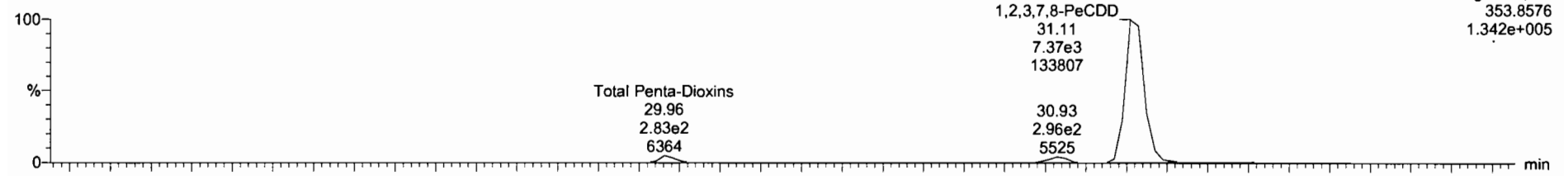
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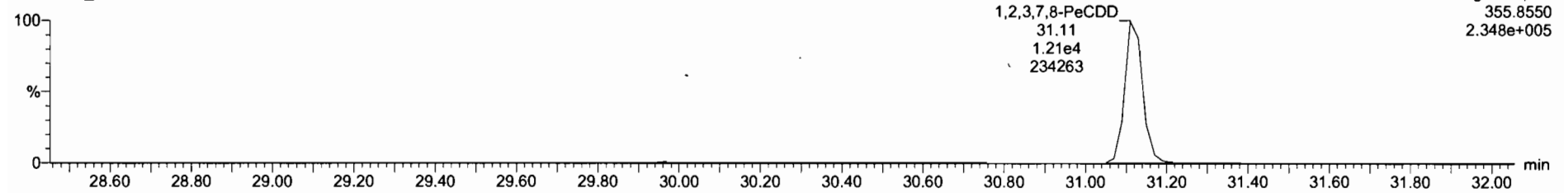
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1,2,3,7,8-PeCDD

210524D2_3

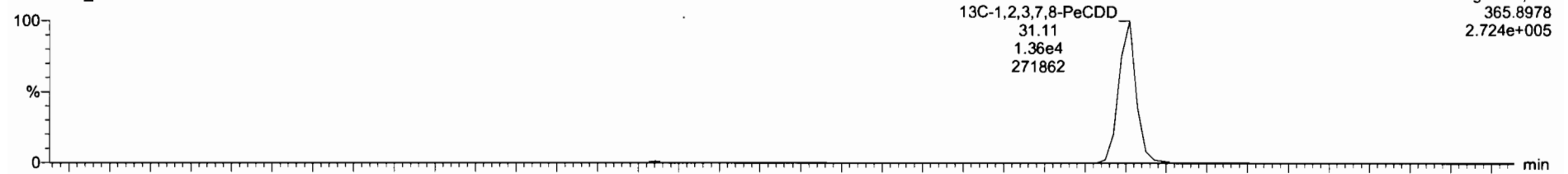


210524D2_3

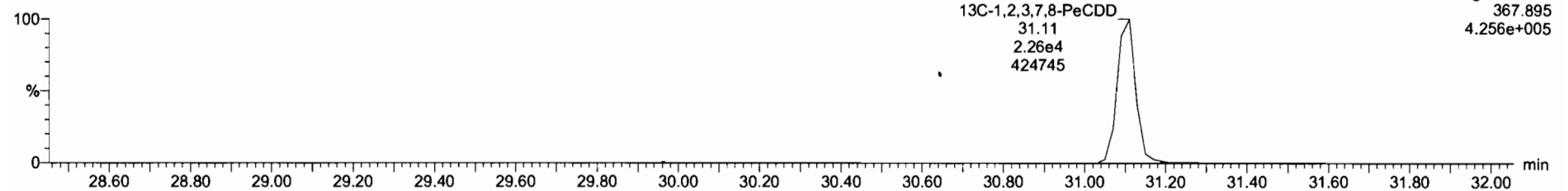


13C-1,2,3,7,8-PeCDD

210524D2_3



210524D2_3



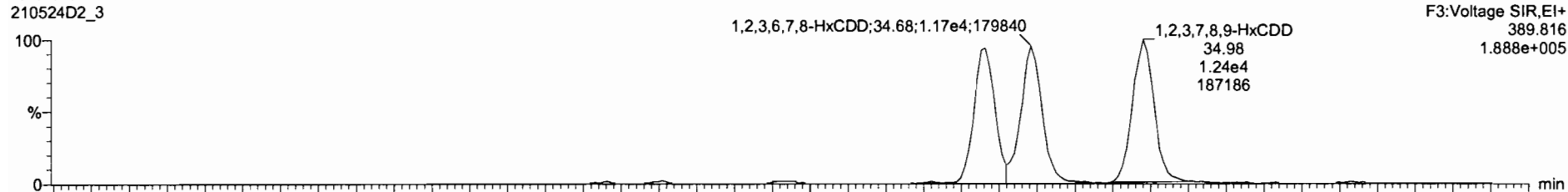
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Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
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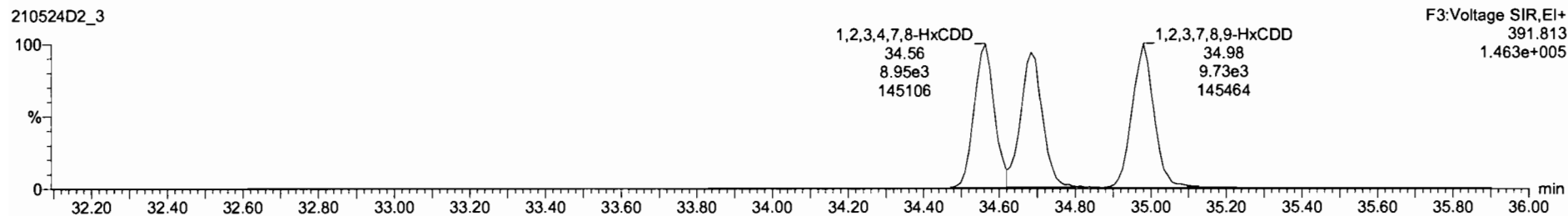
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1,2,3,4,7,8-HxCDD

210524D2_3

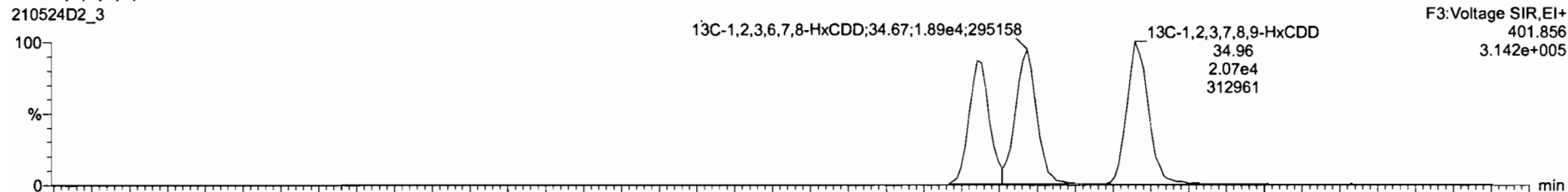


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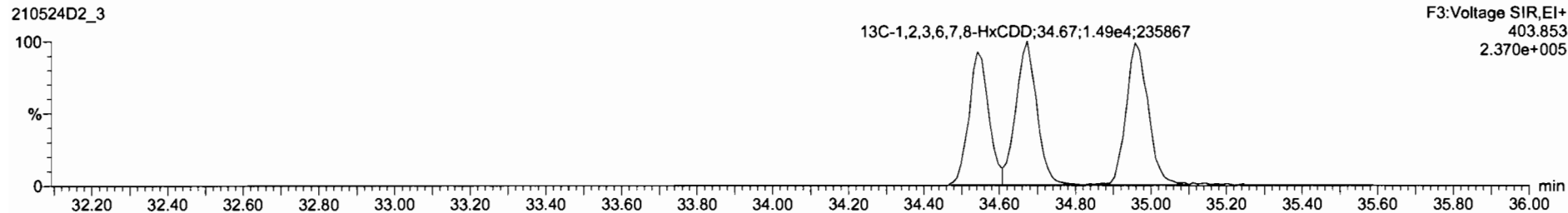


13C-1,2,3,4,7,8-HxCDD

210524D2_3



210524D2_3



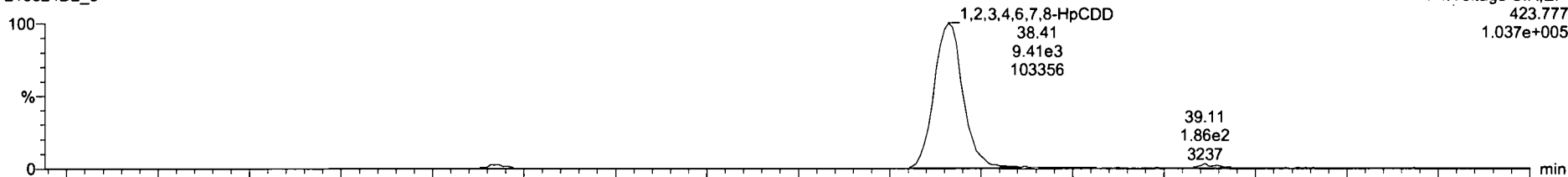
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Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:08:38 Pacific Daylight Time

Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR

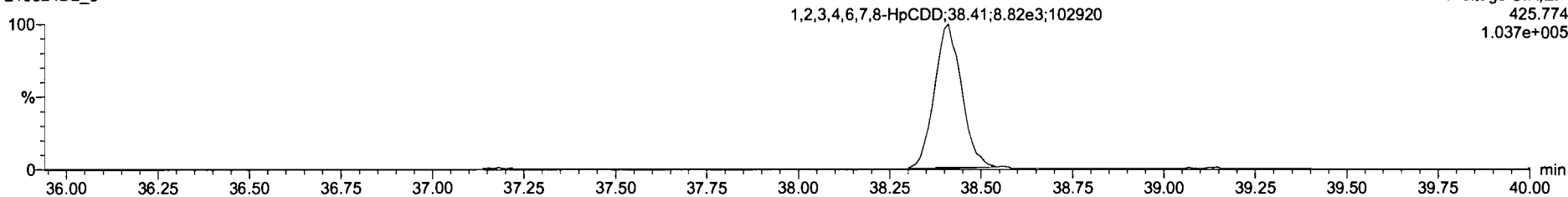
1,2,3,4,6,7,8-HpCDD

210524D2_3



F4:Voltage SIR,EI+
423.777
1.037e+005

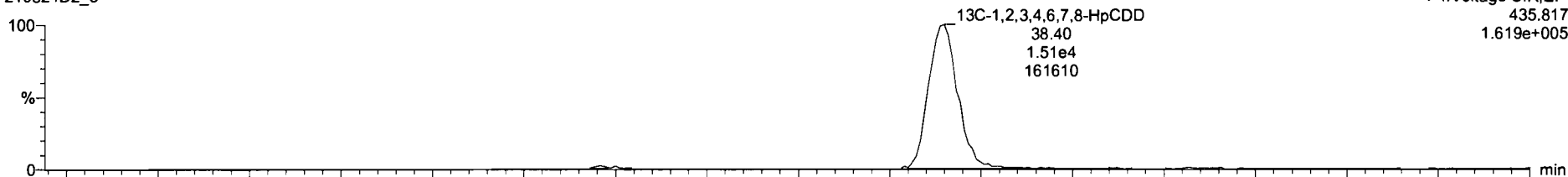
210524D2_3



F4:Voltage SIR,EI+
425.774
1.037e+005

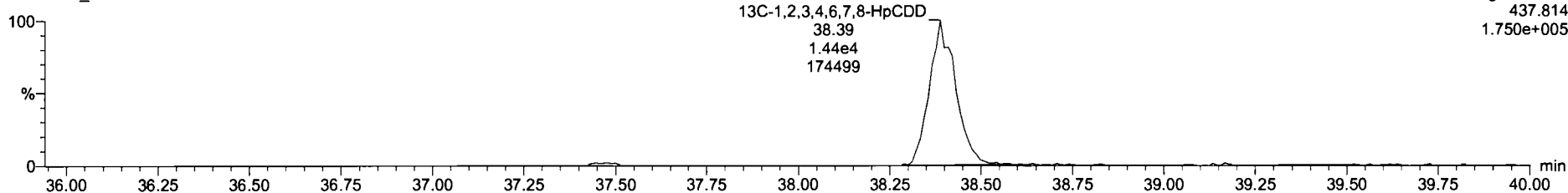
13C-1,2,3,4,6,7,8-HpCDD

210524D2_3



F4:Voltage SIR,EI+
435.817
1.619e+005

210524D2_3

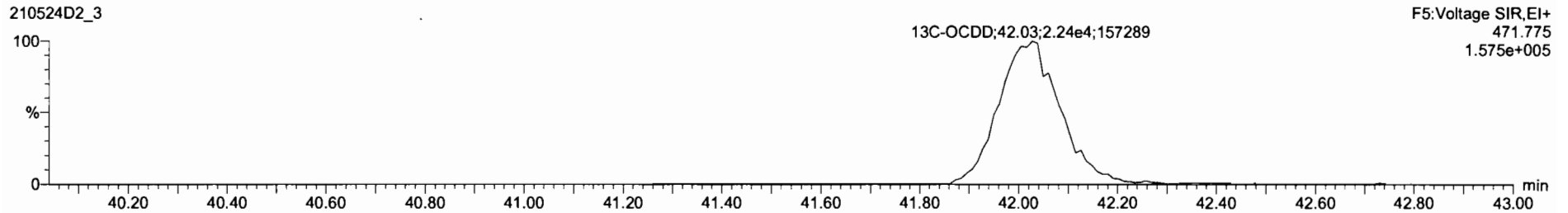
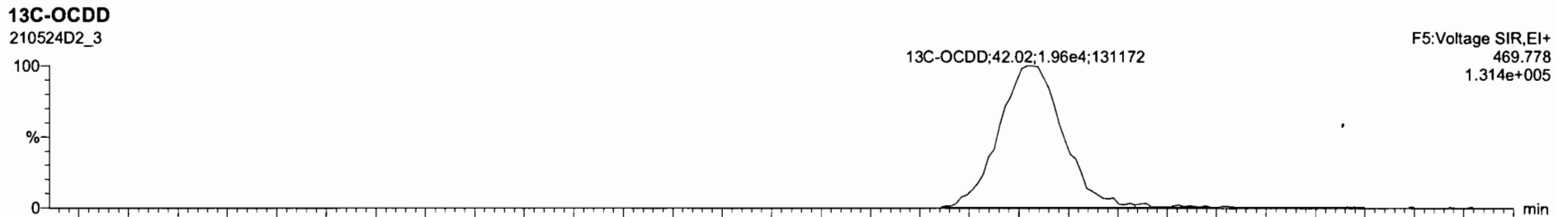
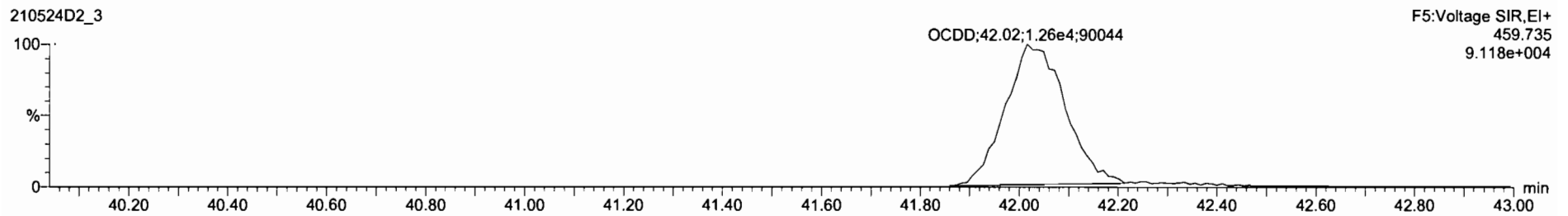
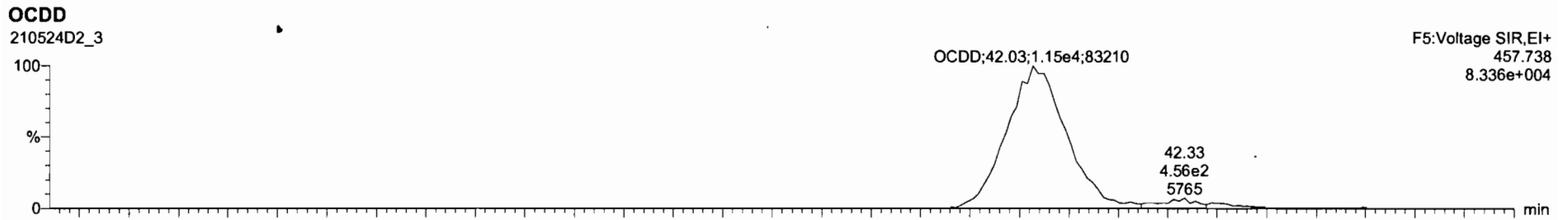


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437.814
1.750e+005

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Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:08:38 Pacific Daylight Time

Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR



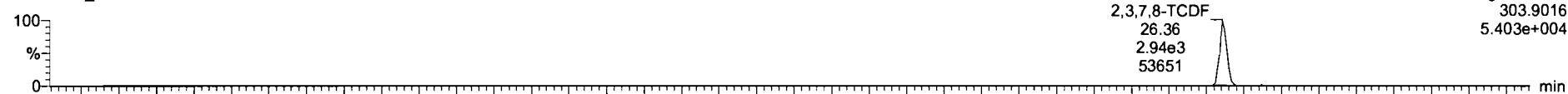
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Printed: Wednesday, May 26, 2021 12:08:38 Pacific Daylight Time

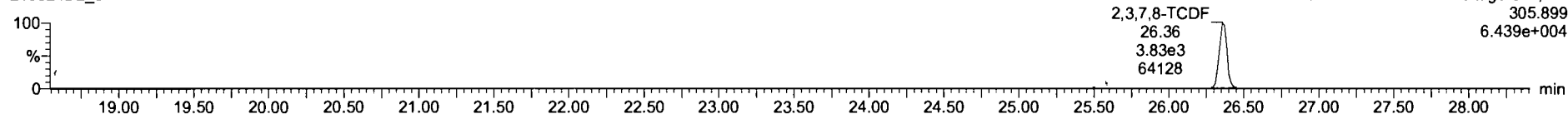
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2,3,7,8-TCDF

210524D2_3

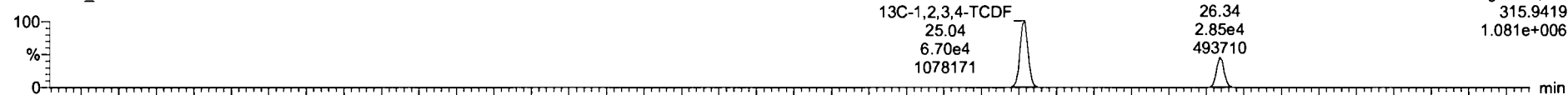


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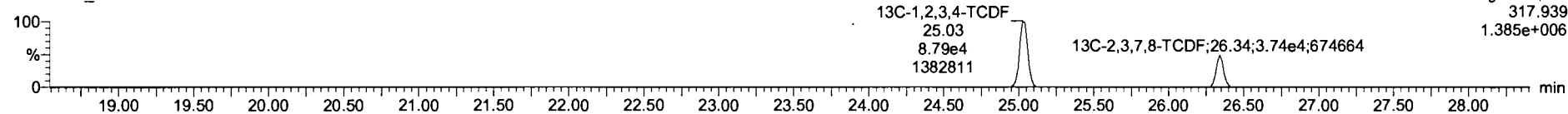


13C-2,3,7,8-TCDF

210524D2_3

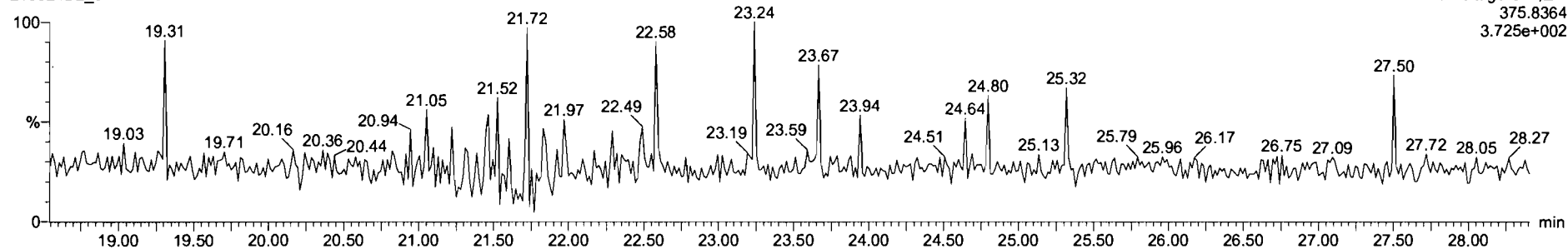


210524D2_3



DPE1

210524D2_3

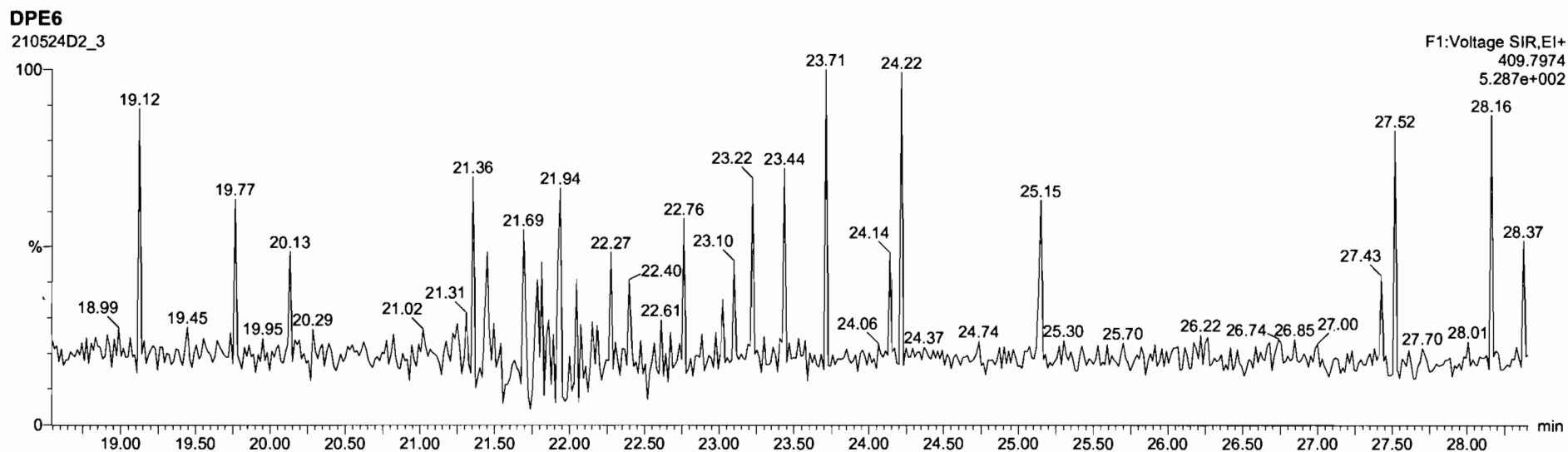
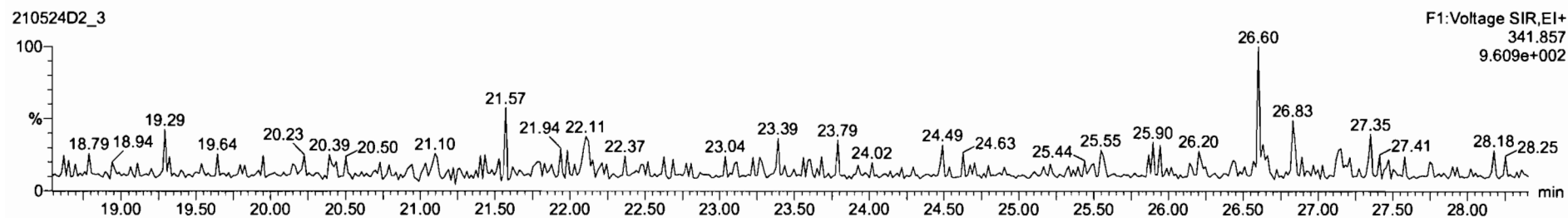
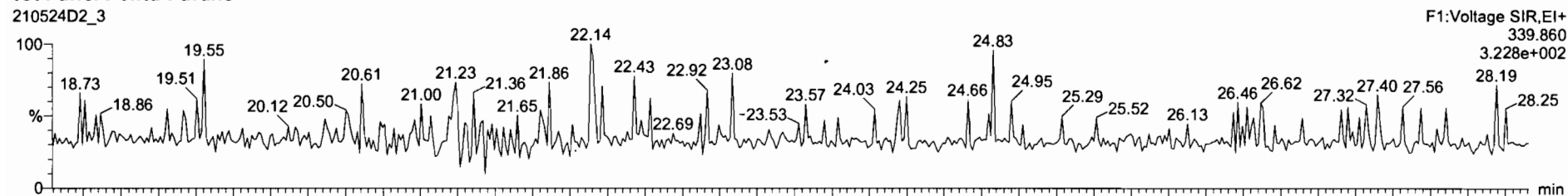


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Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
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Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans



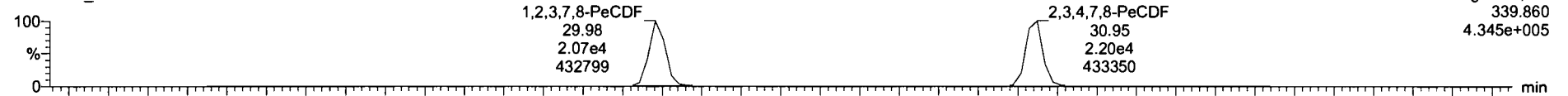
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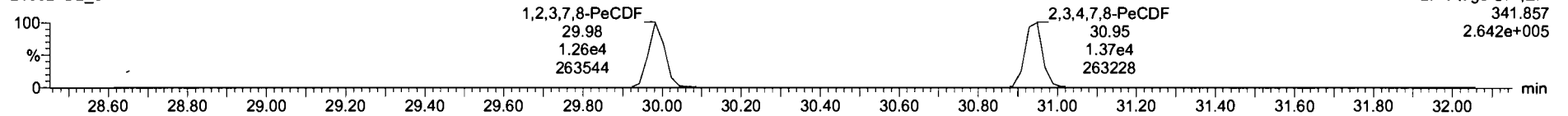
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1,2,3,7,8-PeCDF

210524D2_3

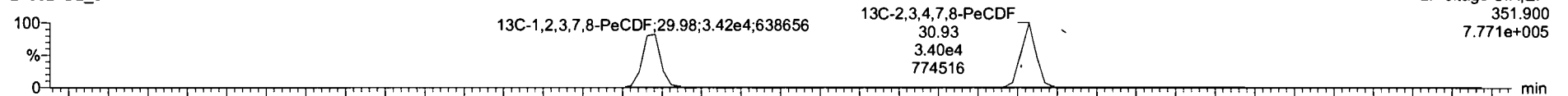


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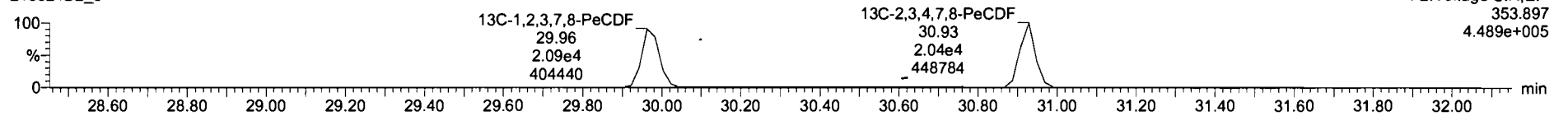


13C-1,2,3,7,8-PeCDF

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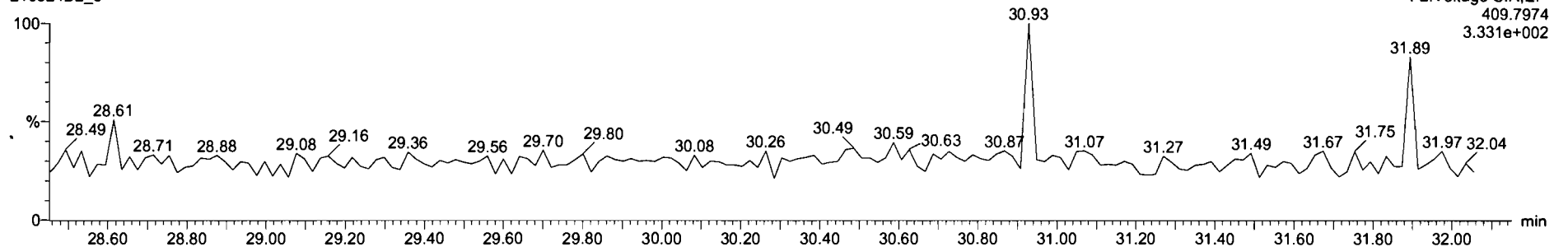


210524D2_3



DPE2

210524D2_3



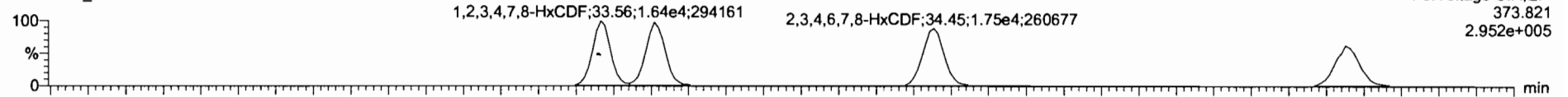
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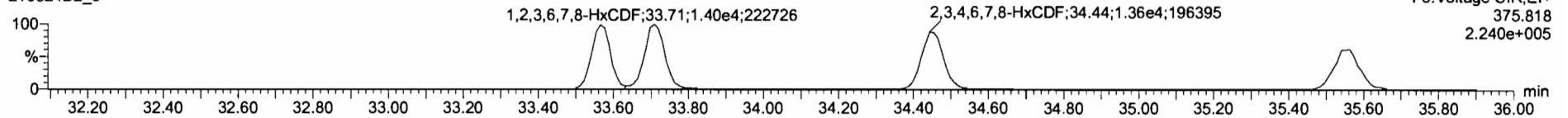
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1,2,3,4,7,8-HxCDF

210524D2_3

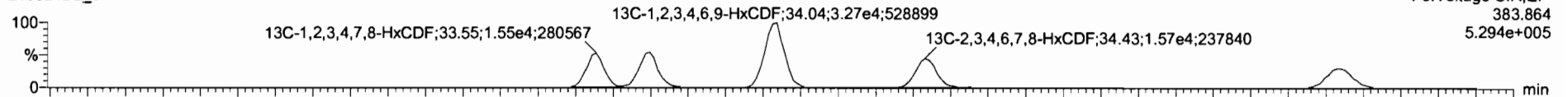


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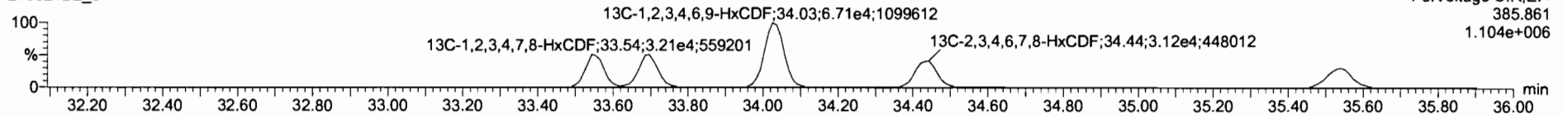


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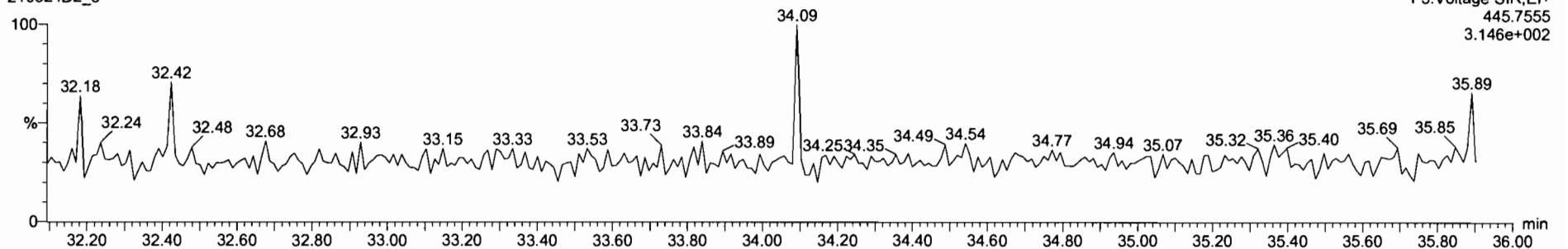


210524D2_3



DPE3

210524D2_3

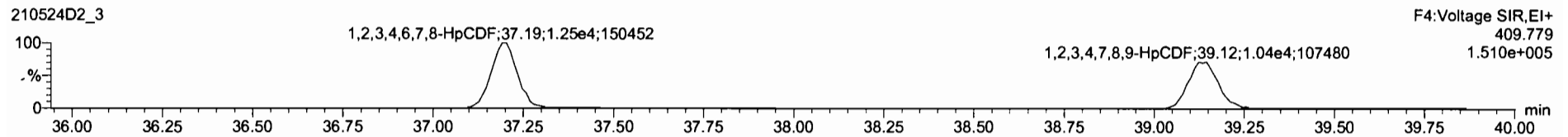
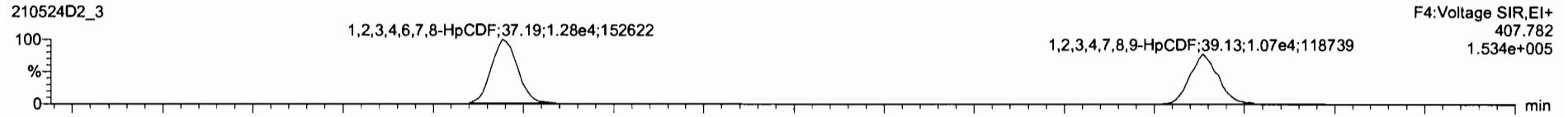


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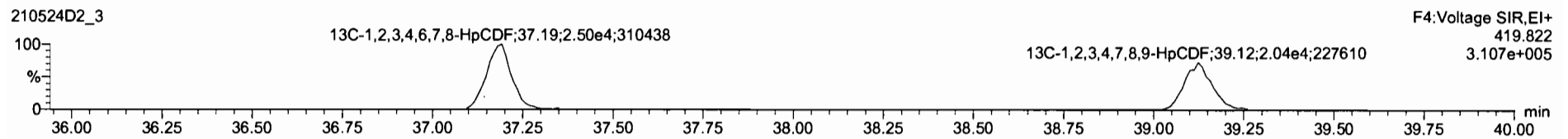
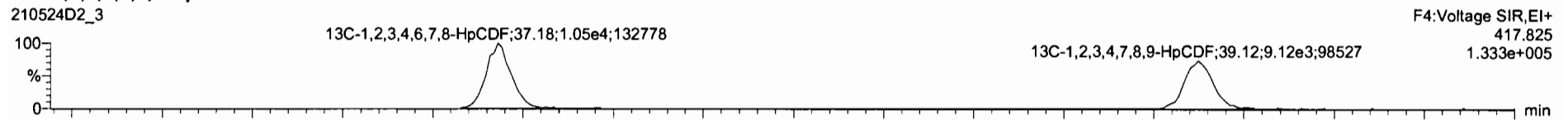
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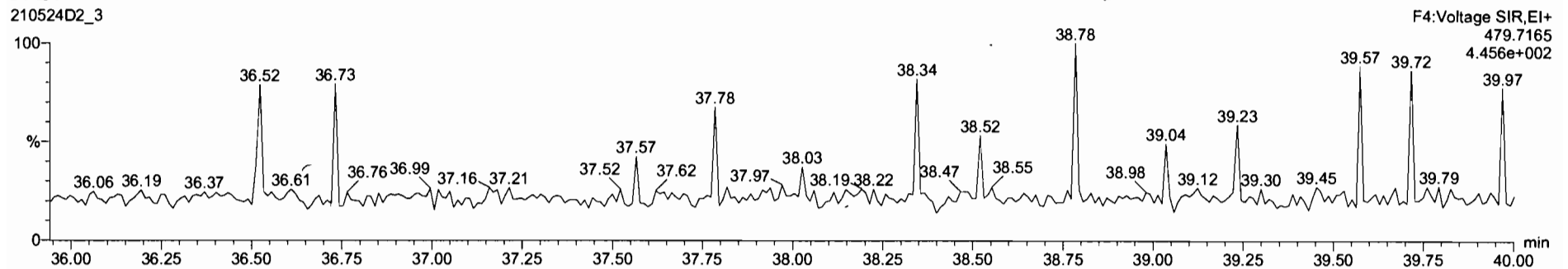
1,2,3,4,6,7,8-HpCDF



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



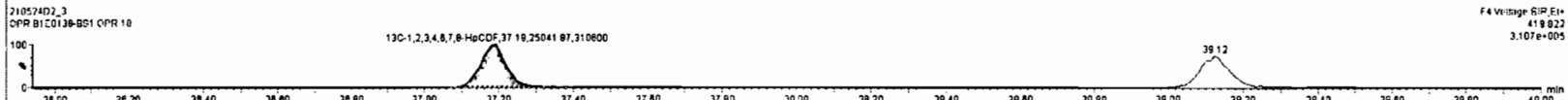
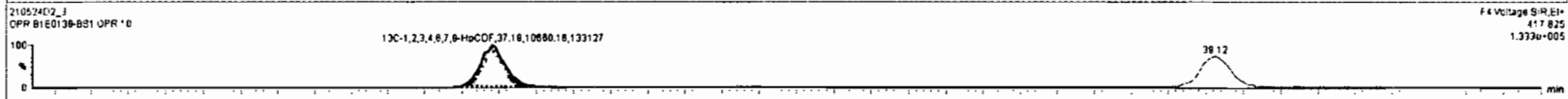
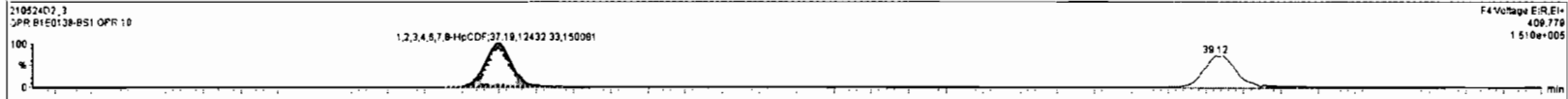
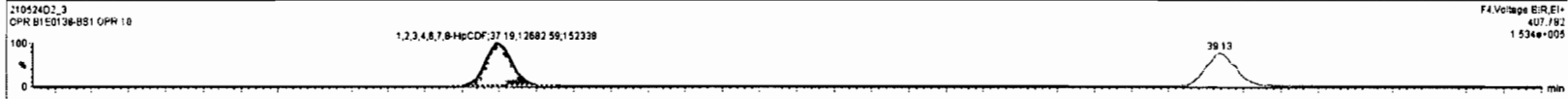
DPE4



21052402_3 - B1E0138-BS1 OPR 10 - OPR

#	Name	Resp	RA	rv	RNF	wt/wst	RT	RTT	Conc	%Plac	DL	EMPC
6	1,2,3,4,6,7,8-HpCDD	1.82e4	1.07	NO	1.07	10.000	38.41	1.000	118		1.40	118
7	OCDD	2.41e4	0.92	NO	1.00	10.000	42.03	1.000	229		5.80	229
8	2,3,7,8-TCDF	6.77e3	0.77	NO	0.86	10.000	26.36	1.001	23.8		0.155	23.8
9	1,2,3,7,8-PeCDF	3.33e4	1.84	NO	0.95	10.000	29.98	1.000	127		0.498	127
10	2,3,4,7,8-PeCDF	3.58e4	1.61	NO	1.04	10.000	30.95	1.001	126		0.370	126
11	1,2,3,4,7,8-HxCDF	2.93e4	1.28	NO	1.04	10.000	33.56	1.000	118		0.610	118
12	1,2,3,6,7,8-HxCDF	3.11e4	1.22	NO	1.07	10.000	33.71	1.000	114		0.595	114
13	2,3,4,6,7,8-HxCDF	3.11e4	1.29	NO	1.12	10.000	34.45	1.001	119		0.895	119
14	1,2,3,7,8-HxCDF	2.54e4	1.27	NO	1.10	10.000	35.55	1.001	114		1.04	114
15	1,2,3,4,6,7,8-HpCDF	2.51e4	1.02	NO	1.18	10.000	37.19	1.000	121		1.04	121
16	1,2,3,4,7,8-HpCDF	2.11e4	1.03	NO	1.19	10.000	38.13	1.000	120		1.42	120

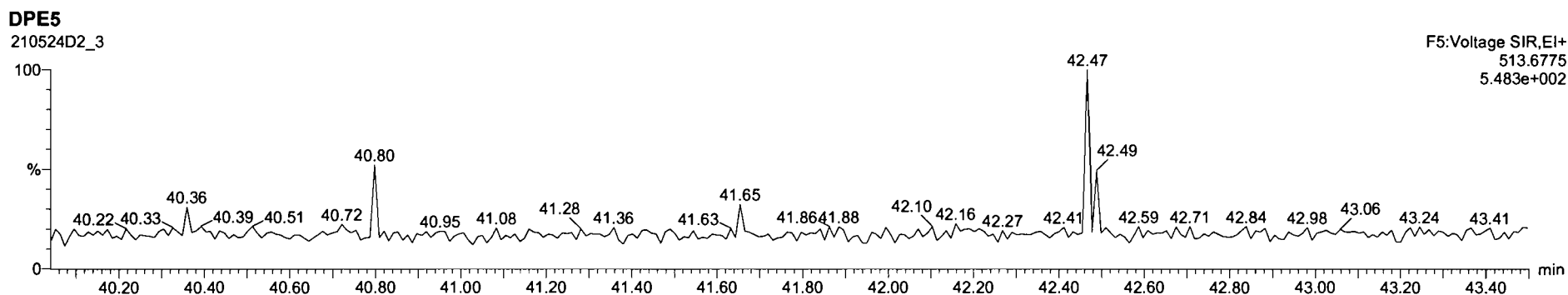
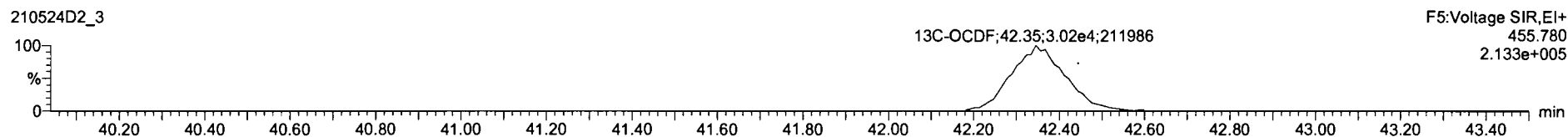
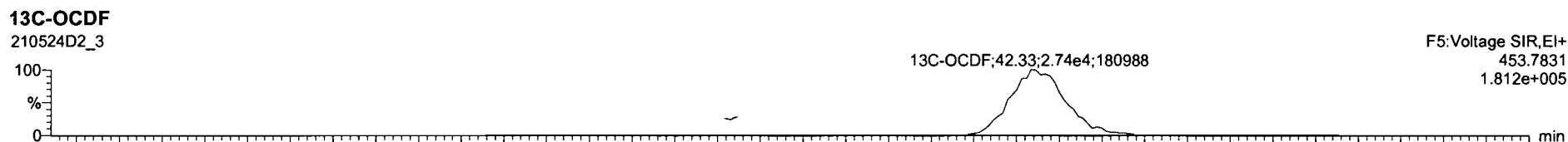
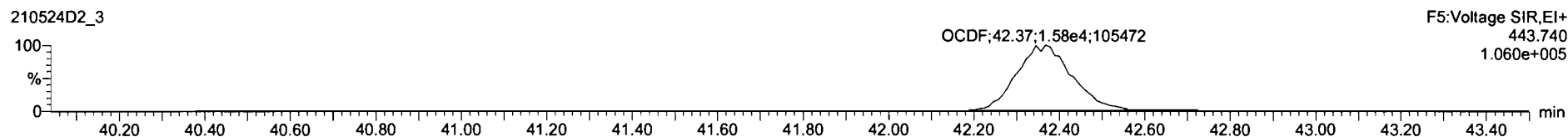
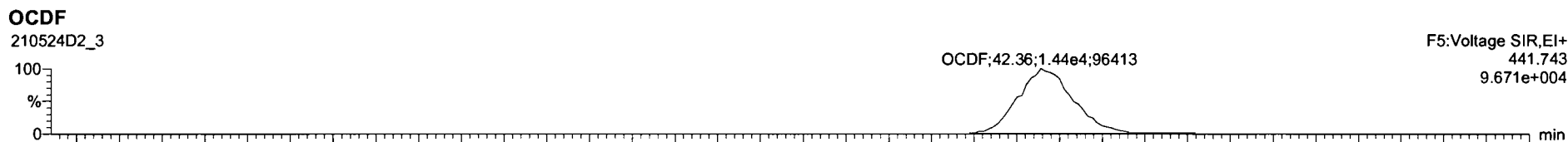
#	Name	RT	m1 Resp	m2 Resp	RA	rv	EMPC	Conc
1								



Dataset: U:\VG7.PRO\Results\210524D2\210524D2-3.qld

Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:08:38 Pacific Daylight Time

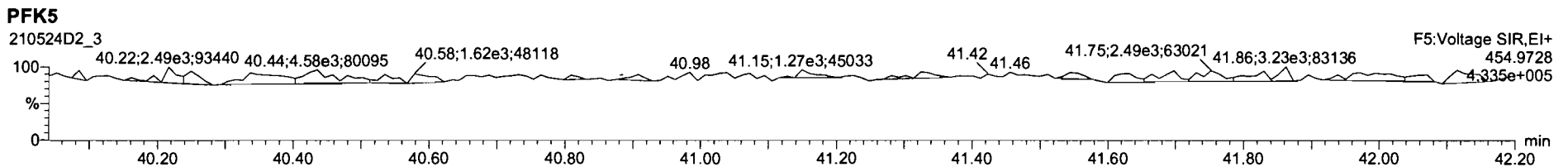
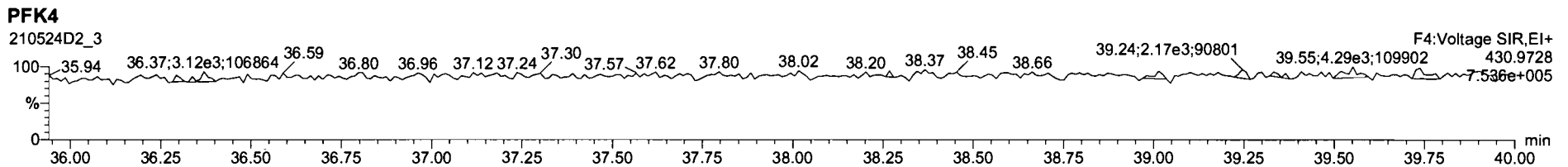
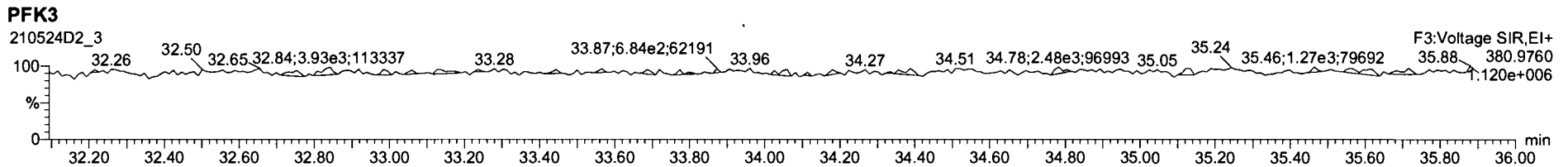
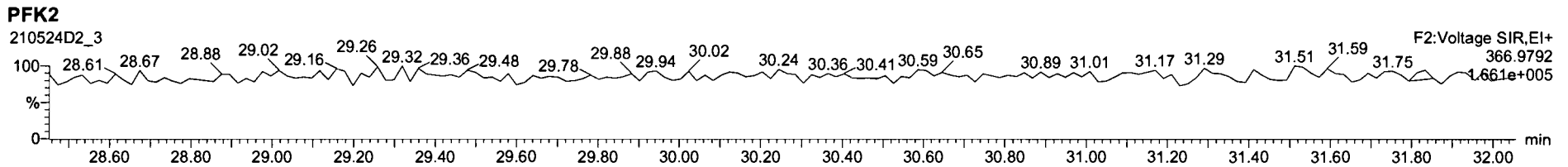
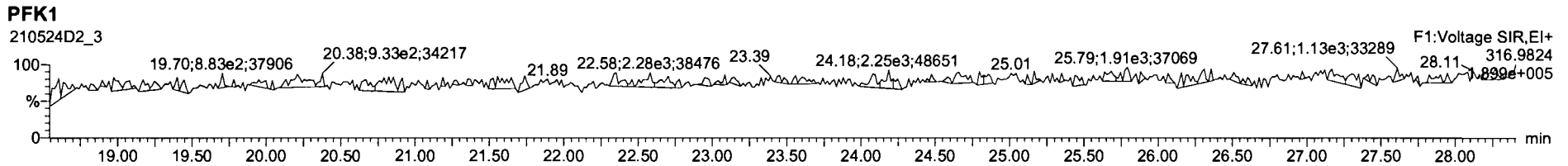
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Dataset: U:\VG7.PRO\Results\210524D2\210524D2-3.qld

Last Altered: Tuesday, May 25, 2021 08:51:44 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:08:38 Pacific Daylight Time

Name: 210524D2_3, Date: 24-May-2021, Time: 20:43:24, ID: B1E0138-BS1 OPR 10, Description: OPR



Dataset: U:\VG12.PRO\Results\210608R1\210608R1_8.qld

Last Altered: Monday, June 14, 2021 15:09:10 Pacific Daylight Time

Printed: Monday, June 14, 2021 15:10:49 Pacific Daylight Time

ly 06-14-2021

C106/17/2021

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-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	2,3,7,8-TCDD			NO	0.929	10.000	26.684		1.001				0.0267	
2	1,2,3,7,8-PeCDD			NO	0.826	10.000	31.121		1.001				0.0556	
3	1,2,3,4,7,8-HxCDD			NO	0.972	10.000	34.466		1.001				0.0865	
4	1,2,3,6,7,8-HxCDD			NO	0.877	10.000	34.592		1.001				0.0881	
5	1,2,3,7,8,9-HxCDD			NO	0.874	10.000	34.874		1.000				0.0904	
6	1,2,3,4,6,7,8-HpCDD			NO	0.899	10.000	38.246		1.000				0.477	
7	OCDD	1.55e2	0.51	YES	0.852	10.000	41.314	41.30	1.000	1.000	0.47309		0.155	0.339
8	2,3,7,8-TCDF			NO	0.747	10.000	26.019		1.000				0.0216	
9	1,2,3,7,8-PeCDF			NO	0.877	10.000	29.902		1.000				0.0898	
10	2,3,4,7,8-PeCDF			NO	0.962	10.000	30.931		1.001				0.0882	
11	1,2,3,4,7,8-HxCDF			NO	0.920	10.000	33.523		1.000				0.0297	
12	1,2,3,6,7,8-HxCDF			NO	0.936	10.000	33.670		1.001				0.0278	
13	2,3,4,6,7,8-HxCDF			NO	0.973	10.000	34.361		1.001				0.0313	
14	1,2,3,7,8,9-HxCDF			NO	0.940	10.000	35.430		1.000				0.0431	
15	1,2,3,4,6,7,8-HpCDF			NO	1.05	10.000	37.055		1.000				0.0384	
16	1,2,3,4,7,8,9-HpCDF			NO	1.05	10.000	38.907		1.000				0.0425	
17	OCDF	4.27e2	0.84	NO	0.771	10.000	41.639	41.64	1.000	1.000	1.0900		0.133	1.09
18	13C-2,3,7,8-TCDD	4.32e5	0.78	NO	1.10	10.000	26.624	26.65	1.027	1.028	286.99	143	0.211	
19	13C-1,2,3,7,8-PeCDD	1.90e5	0.61	NO	0.864	10.000	30.998	31.09	1.196	1.199	161.86	80.9	0.325	
20	13C-1,2,3,4,7,8-HxCDD	1.31e5	1.32	NO	0.746	10.000	34.443	34.44	1.014	1.014	174.23	87.1	0.551	
21	13C-1,2,3,6,7,8-HxCDD	1.48e5	1.28	NO	0.847	10.000	34.562	34.57	1.017	1.018	173.13	86.6	0.486	
22	13C-1,2,3,7,8,9-HxCDD	1.49e5	1.28	NO	0.868	10.000	34.861	34.86	1.026	1.026	169.94	85.0	0.474	
23	13C-1,2,3,4,6,7,8-HpCDD	9.67e4	1.04	NO	0.664	10.000	38.207	38.24	1.125	1.125	144.14	72.1	0.588	
24	13C-OCDD	1.54e5	0.90	NO	0.561	10.000	41.153	41.31	1.211	1.216	271.75	67.9	1.02	
25	13C-2,3,7,8-TCDF	3.94e5	0.77	NO	1.09	10.000	26.015	26.02	1.003	1.003	177.90	88.9	0.253	
26	13C-1,2,3,7,8-PeCDF	2.94e5	1.63	NO	0.809	10.000	29.730	29.90	1.147	1.153	179.46	89.7	0.687	
27	13C-2,3,4,7,8-PeCDF	2.70e5	1.64	NO	0.803	10.000	30.690	30.91	1.184	1.192	166.01	83.0	0.693	
28	13C-1,2,3,4,7,8-HxCDF	1.93e5	0.50	NO	1.01	10.000	33.515	33.51	0.987	0.986	188.90	94.4	0.725	
29	13C-1,2,3,6,7,8-HxCDF	1.99e5	0.50	NO	1.07	10.000	33.644	33.65	0.990	0.990	183.50	91.7	0.683	
30	13C-2,3,4,6,7,8-HxCDF	1.73e5	0.50	NO	0.910	10.000	34.334	34.34	1.011	1.011	188.38	94.2	0.806	
31	13C-1,2,3,7,8,9-HxCDF	1.49e5	0.48	NO	0.828	10.000	35.411	35.42	1.042	1.043	178.38	89.2	0.885	

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_8.qld

Last Altered: Monday, June 14, 2021 15:09:10 Pacific Daylight Time
Printed: Monday, June 14, 2021 15:10:49 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.13e5	0.43	NO	0.661	10.000	37.018	37.04	1.090	1.090	168.95	84.5	0.742	
33	13C-1,2,3,4,7,8,9-HpCDF	9.52e4	0.42	NO	0.566	10.000	38.778	38.90	1.141	1.145	166.46	83.2	0.867	
34	13C-OCDF	2.03e5	0.89	NO	0.663	10.000	41.540	41.63	1.223	1.225	303.80	75.9	0.758	
35	37Cl-2,3,7,8-TCDD	7.70e4			2.07	10.000	26.824	26.67	1.035	1.029	27.324	68.3	0.0231	
36	13C-1,2,3,4-TCDD	2.73e5	0.78	NO	1.00	10.000	26.070	25.93	1.000	1.000	200.00	100	0.233	
37	13C-1,2,3,4-TCDF	4.05e5	0.80	NO	1.00	10.000	24.760	24.57	1.000	1.000	200.00	100	0.277	
38	13C-1,2,3,4,6,9-HxCDF	2.02e5	0.49	NO	1.00	10.000	34.040	33.97	1.000	1.000	200.00	100	0.733	
39	Total Tetra-Dioxins				0.929	10.000	24.620		0.000				0.0144	
40	Total Penta-Dioxins				0.826	10.000	29.960		0.000				0.0131	
41	Total Hexa-Dioxins				0.877	10.000	33.635		0.000				0.0701	
42	Total Hepta-Dioxins				0.899	10.000	37.640		0.000				0.331	
43	Total Tetra-Furans				0.747	10.000	23.610		0.000				0.00899	
44	1st Func. Penta-Furans				0.877	10.000	27.620		0.000				0.0143	
45	Total Penta-Furans				0.877	10.000	29.275		0.000				0.0135	
46	Total Hexa-Furans				0.973	10.000	33.555		0.000				0.0170	
47	Total Hepta-Furans				1.05	10.000	37.835		0.000				0.0188	

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_8.qld
Last Altered: Monday, June 14, 2021 15:09:10 Pacific Daylight Time
Printed: Monday, June 14, 2021 15:10:49 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\db\DIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-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											

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_8.qld

Last Altered: Monday, June 14, 2021 15:09:10 Pacific Daylight Time
Printed: Monday, June 14, 2021 15:10:49 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

Dataset: Untitled

Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time

Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

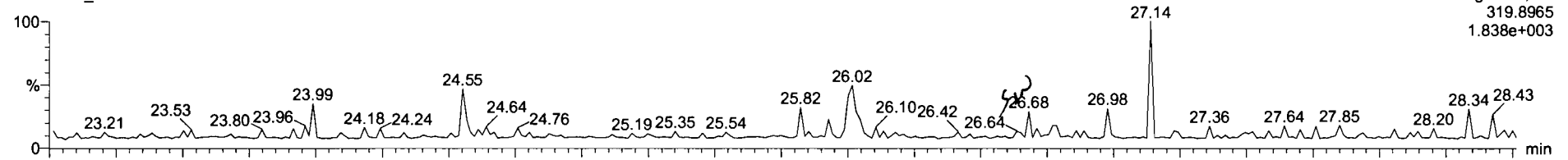
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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

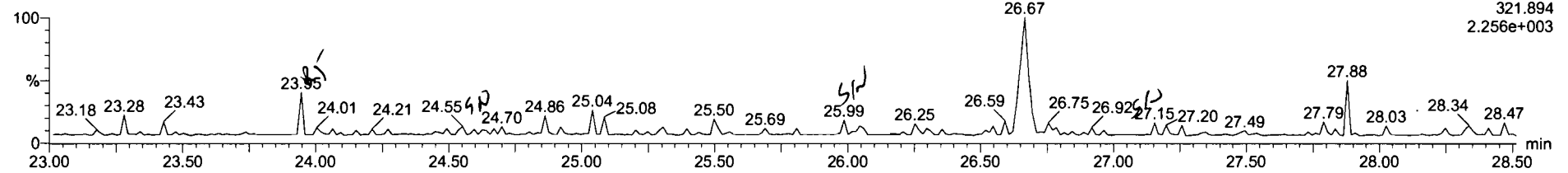
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2,3,7,8-TCDD

210608R1_8

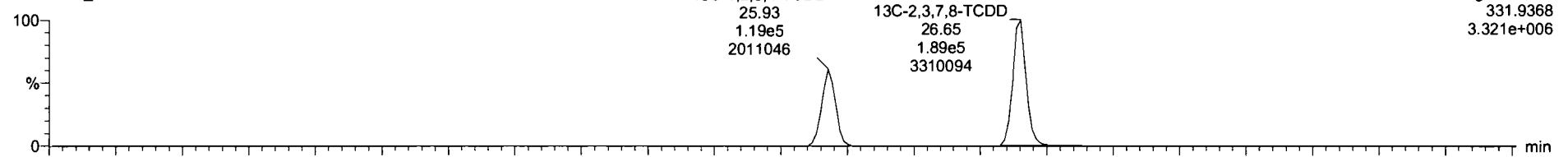


210608R1_8

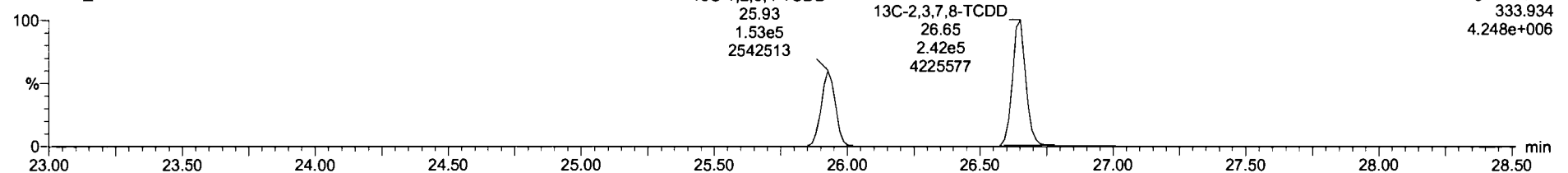


13C-2,3,7,8-TCDD

210608R1_8



210608R1_8



Dataset: Untitled

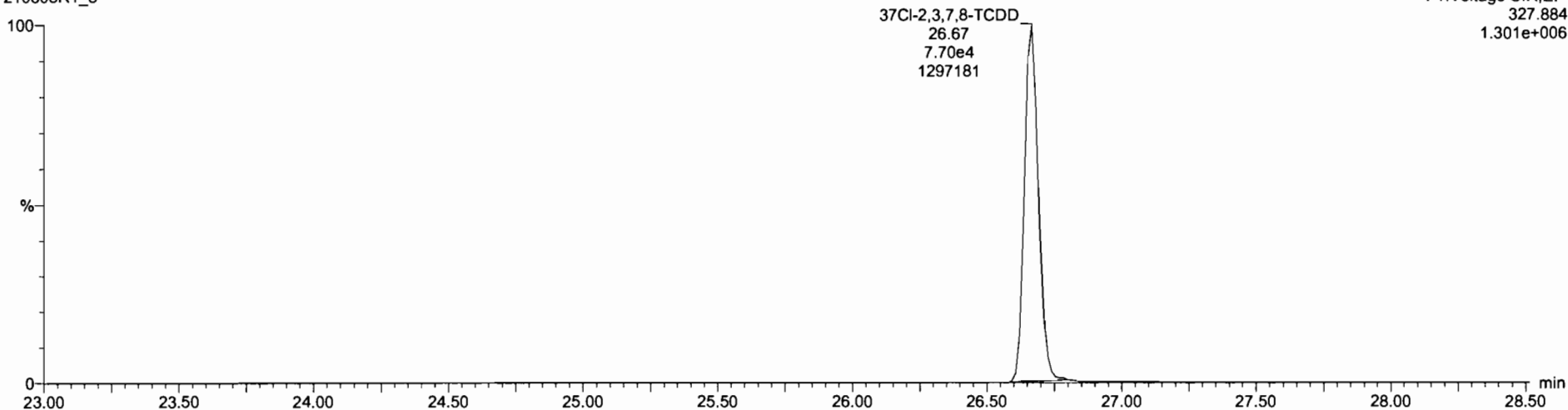
Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time

Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

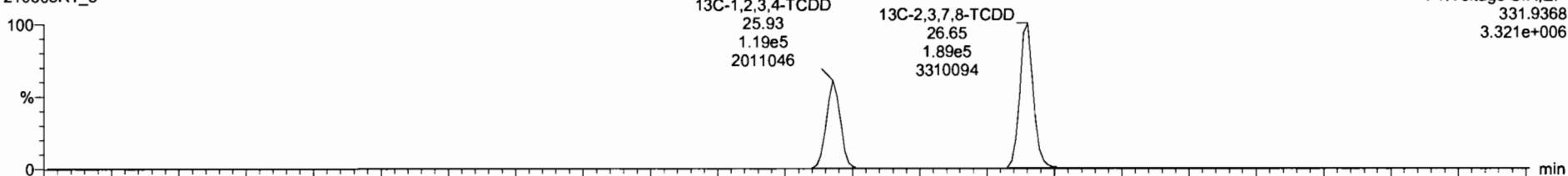
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210608R1_8

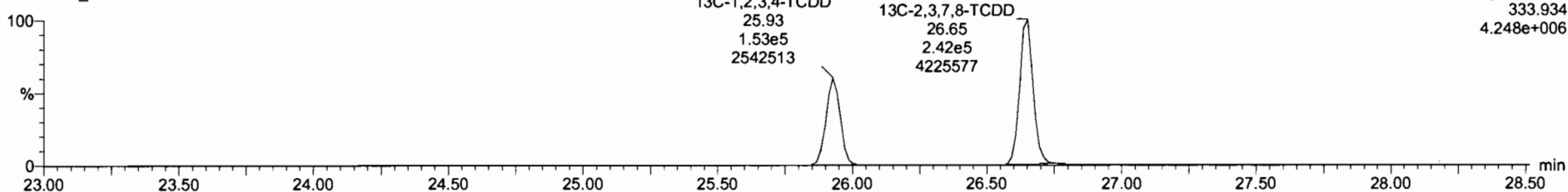


13C-1,2,3,4-TCDD

210608R1_8



210608R1_8



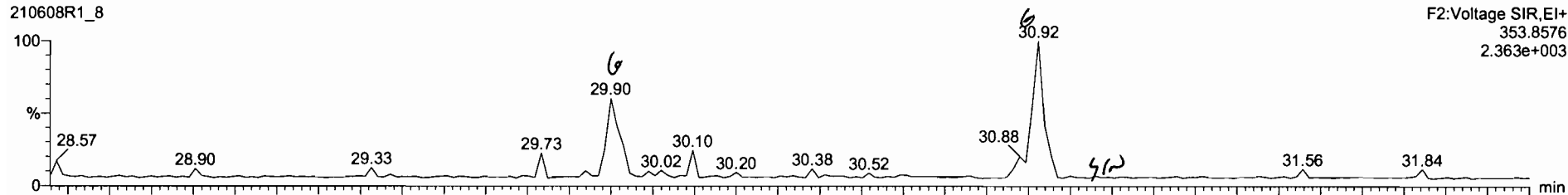
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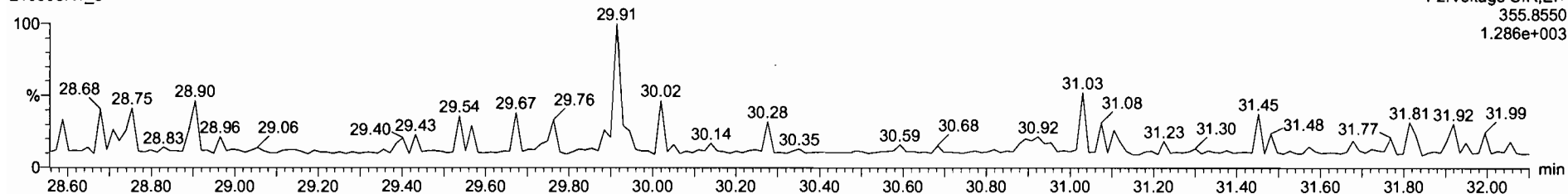
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1,2,3,7,8-PeCDD

210608R1_8

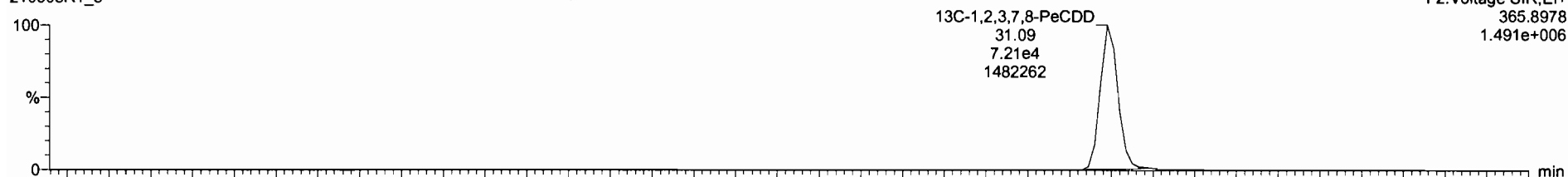


210608R1_8

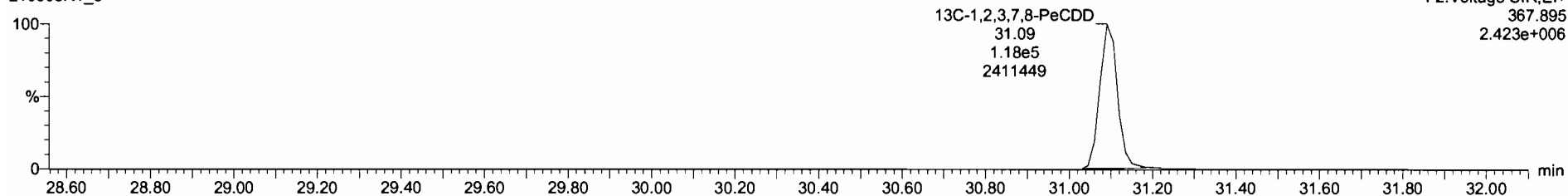


13C-1,2,3,7,8-PeCDD

210608R1_8



210608R1_8



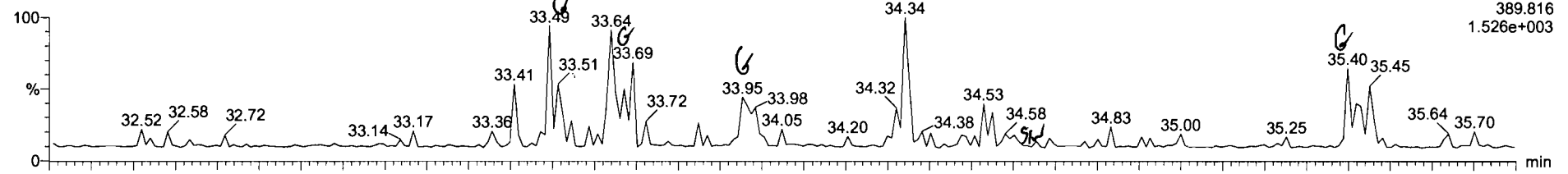
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Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

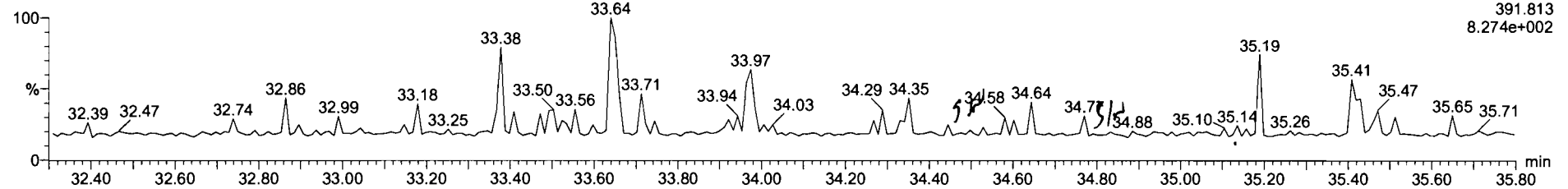
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1,2,3,4,7,8-HxCDD

210608R1_8

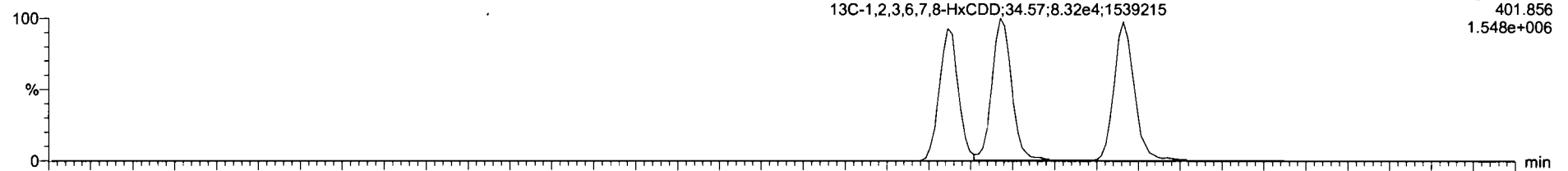


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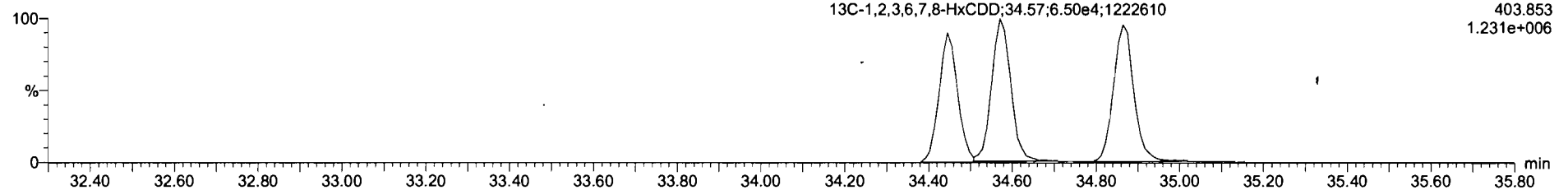


13C-1,2,3,4,7,8-HxCDD

210608R1_8



210608R1_8



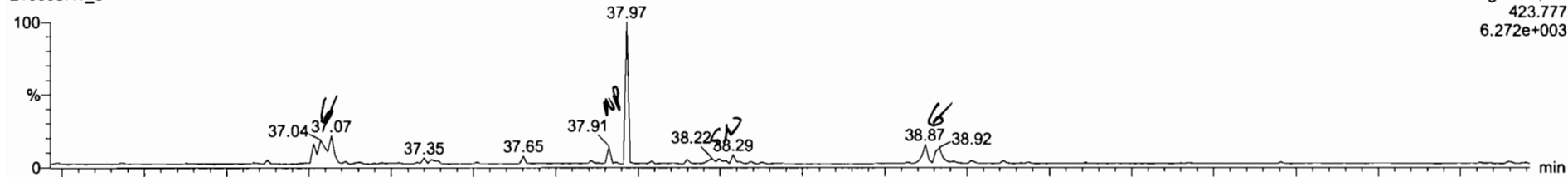
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Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

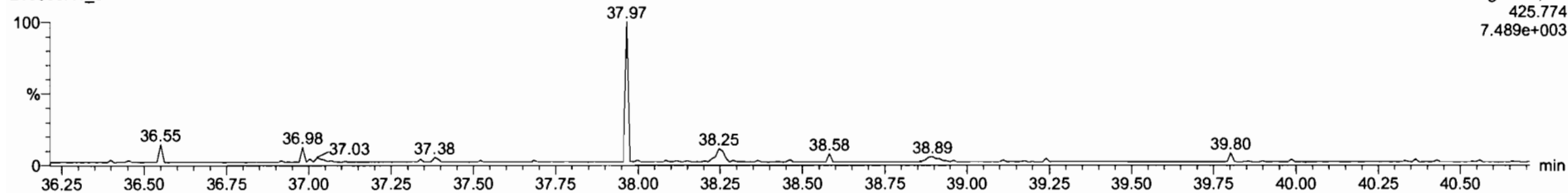
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1,2,3,4,6,7,8-HpCDD

210608R1_8

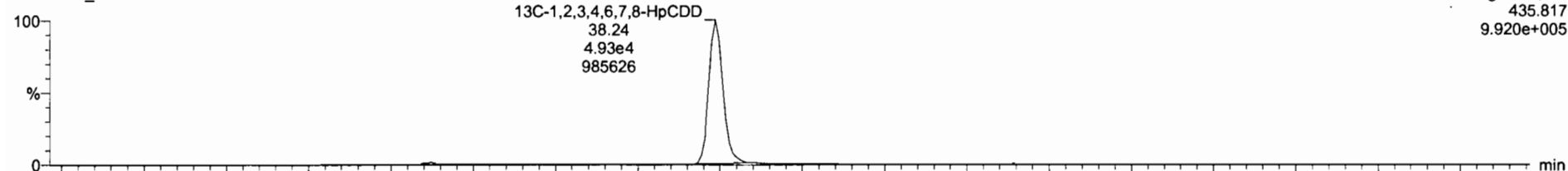


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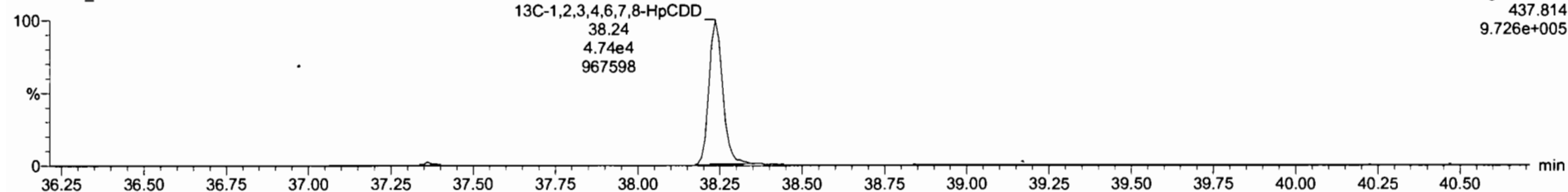


13C-1,2,3,4,6,7,8-HpCDD

210608R1_8



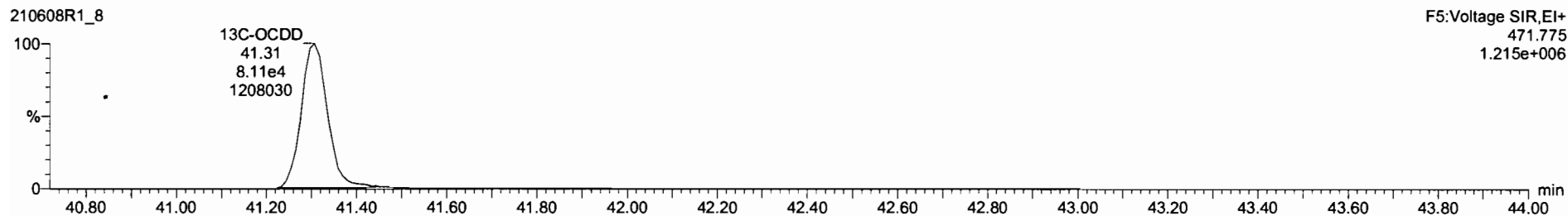
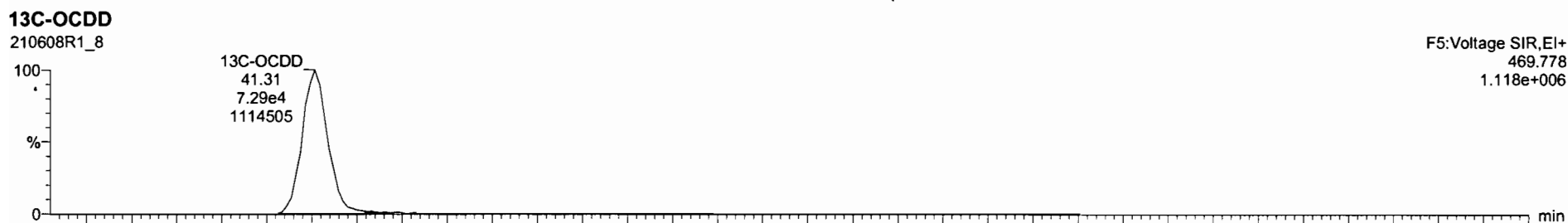
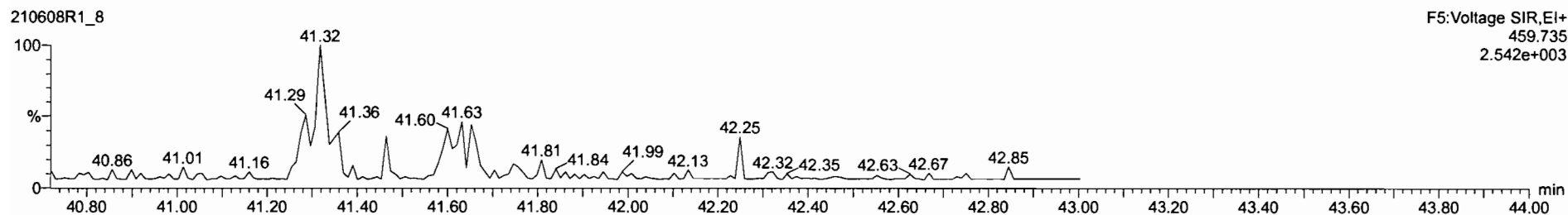
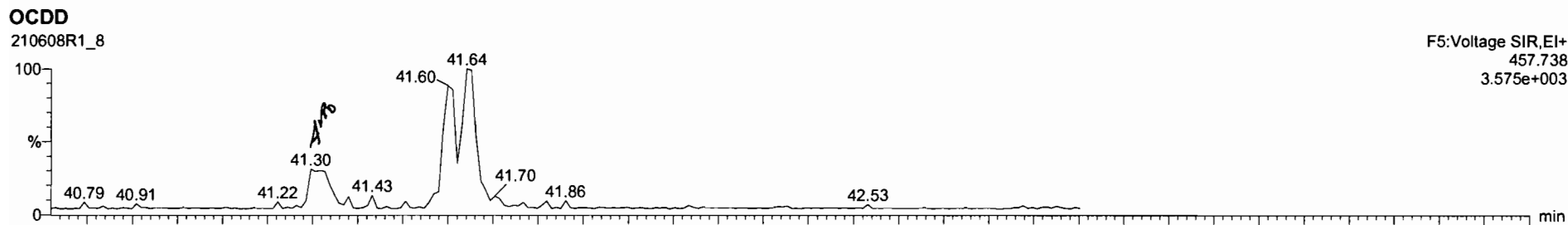
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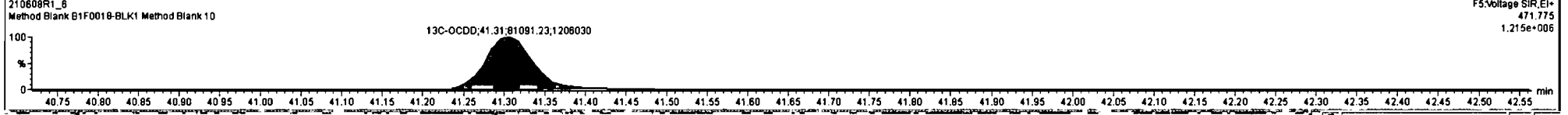
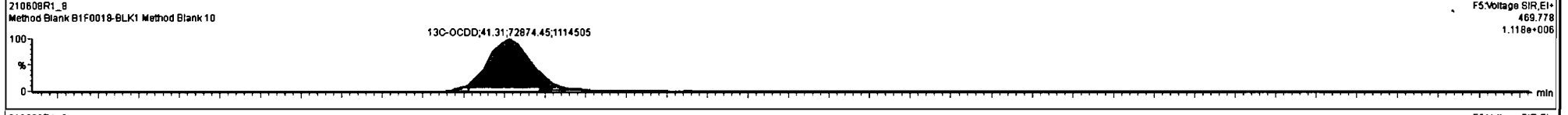
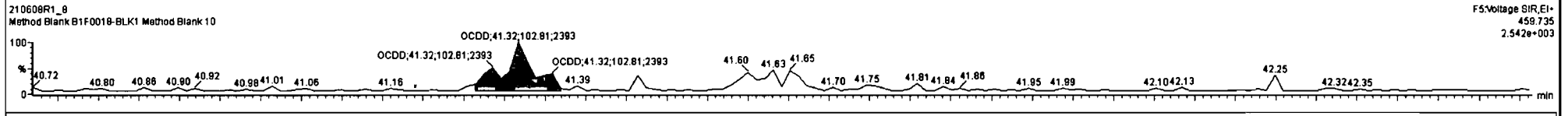
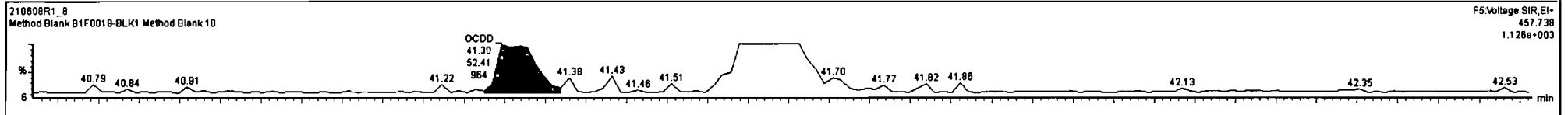
Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank



210608R1_8 - E1F0018-BLK1 Method Blank 10 - Method Blank

Name	Resp	RA	n/y	RF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	1.55e2	0.51	YES	0.8524	10.000	41.30	1.000	-0.473	-	0.155	-0.339
8 2,3,7,8-TCDF			NO	0.7466	10.000					0.0216	
9 1,2,3,7,8-PeCDF			NO	0.8771	10.000					0.0896	

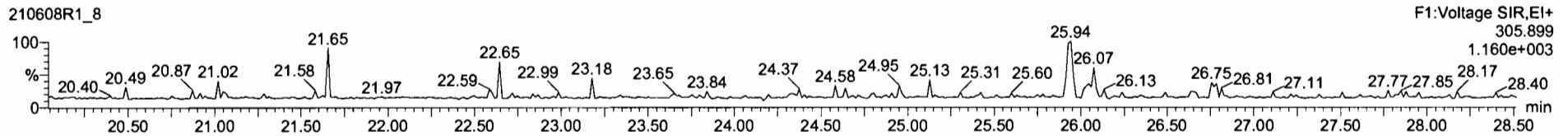
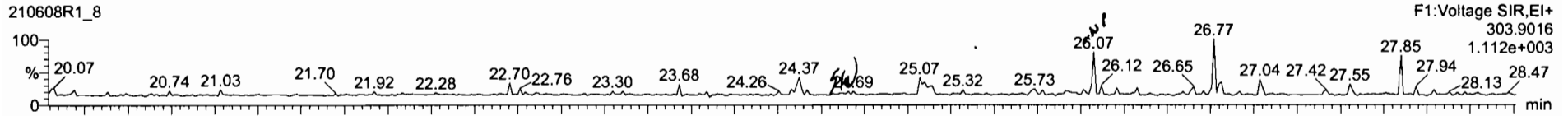


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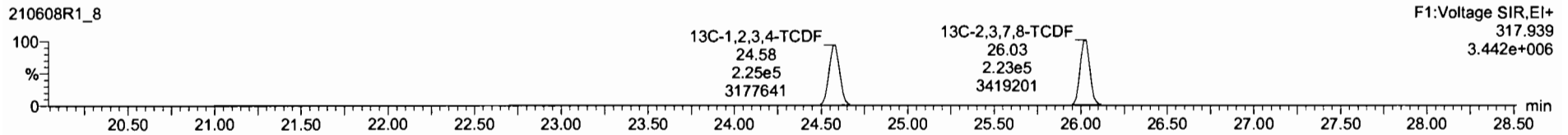
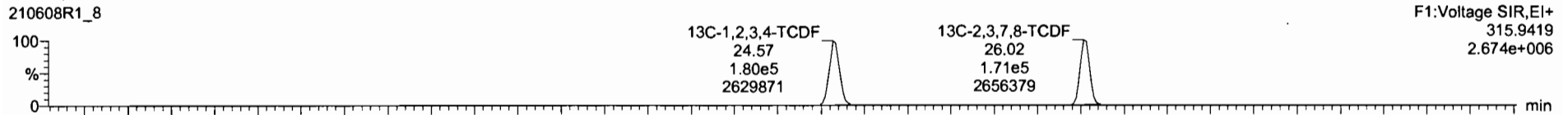
Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

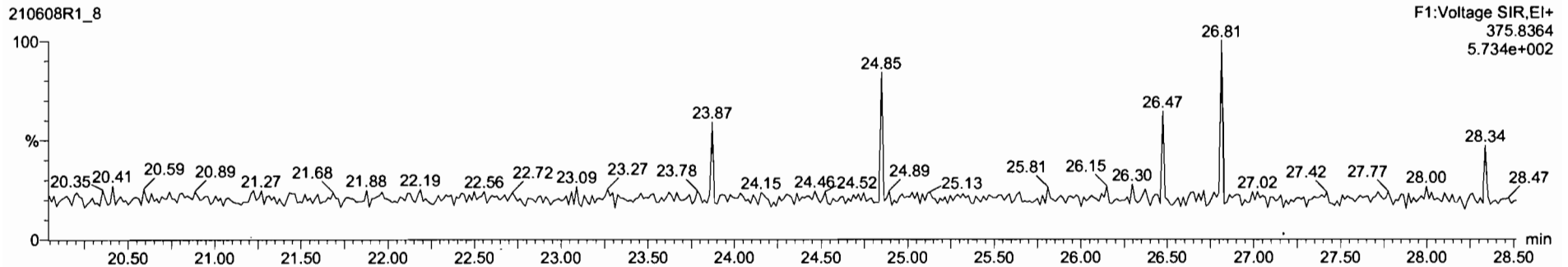
2,3,7,8-TCDF



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



DPE1



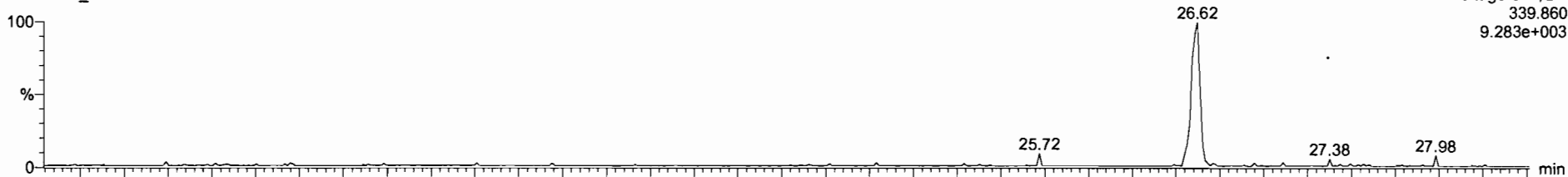
Dataset: Untitled

Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

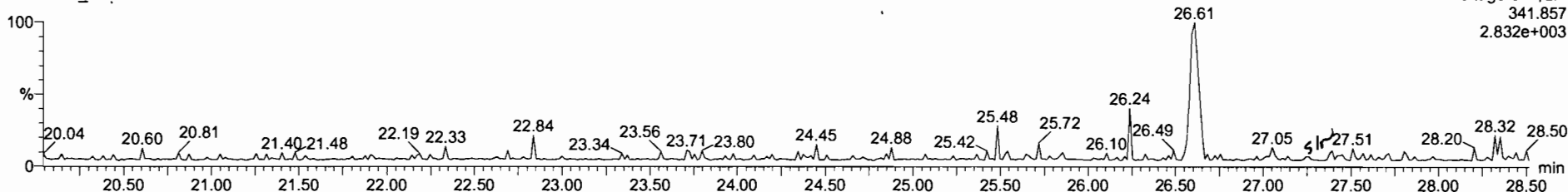
Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

210608R1_8

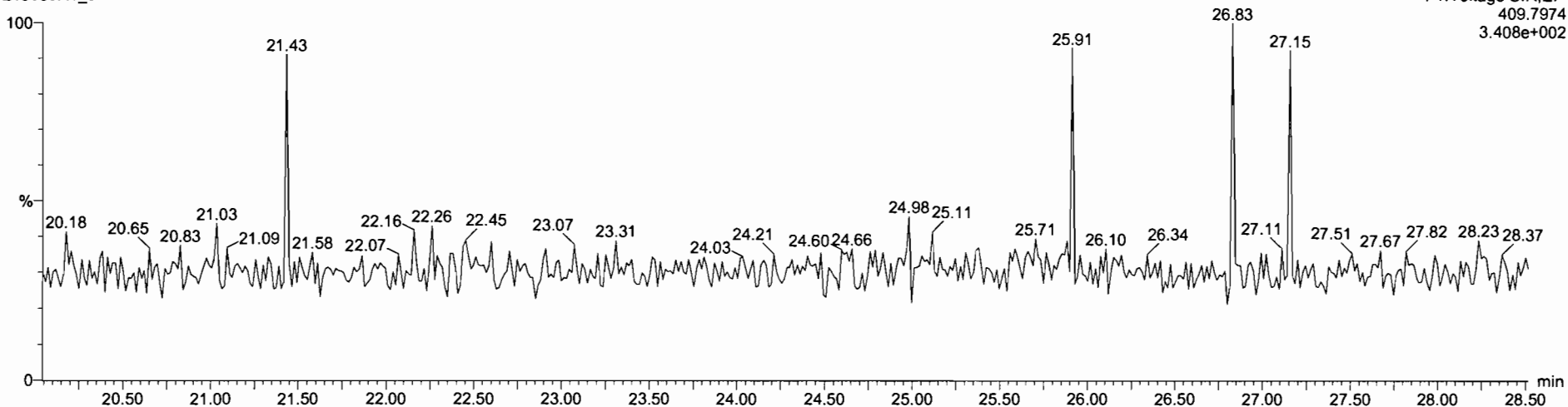


210608R1_8



DPE6

210608R1_8



Dataset: Untitled

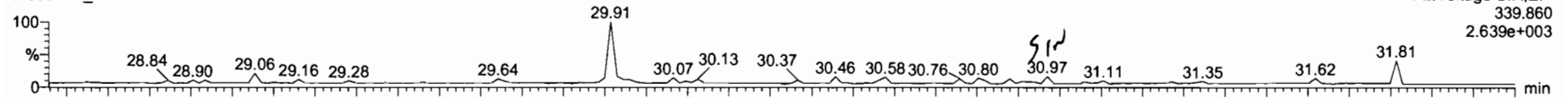
Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time

Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

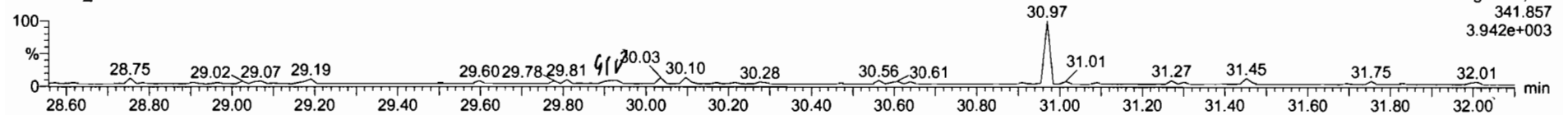
Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDF

210608R1_8



210608R1_8

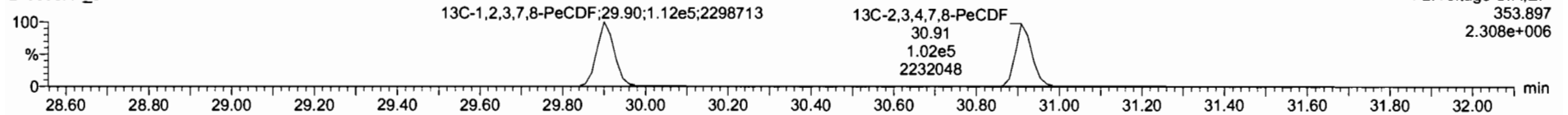


13C-1,2,3,7,8-PeCDF

210608R1_8

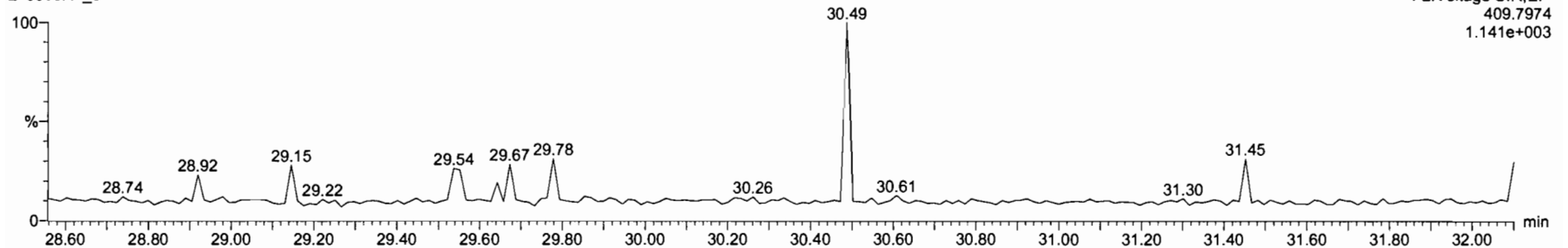


210608R1_8



DPE2

210608R1_8

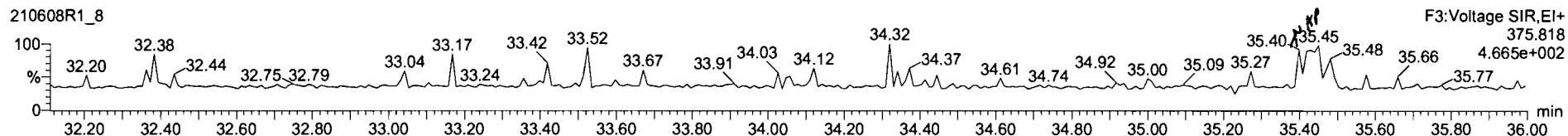
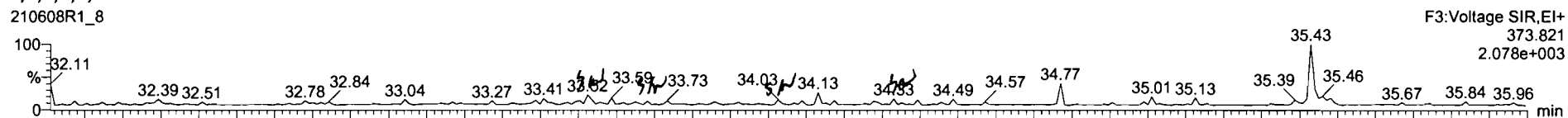


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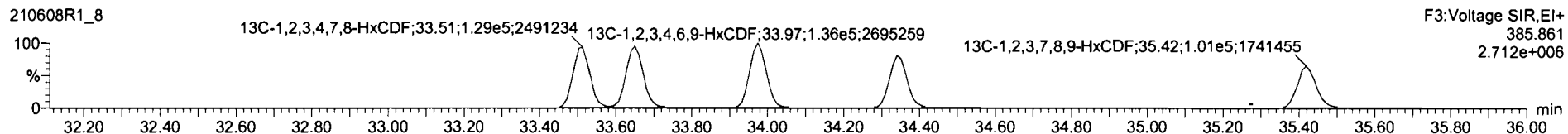
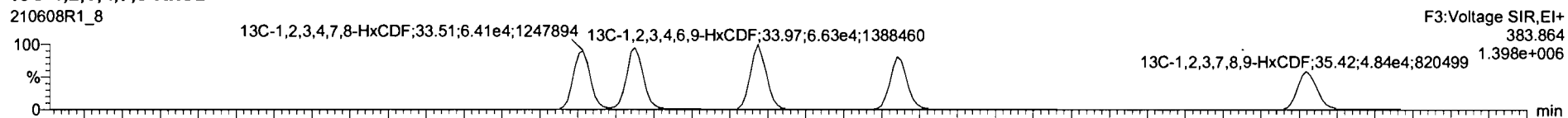
Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

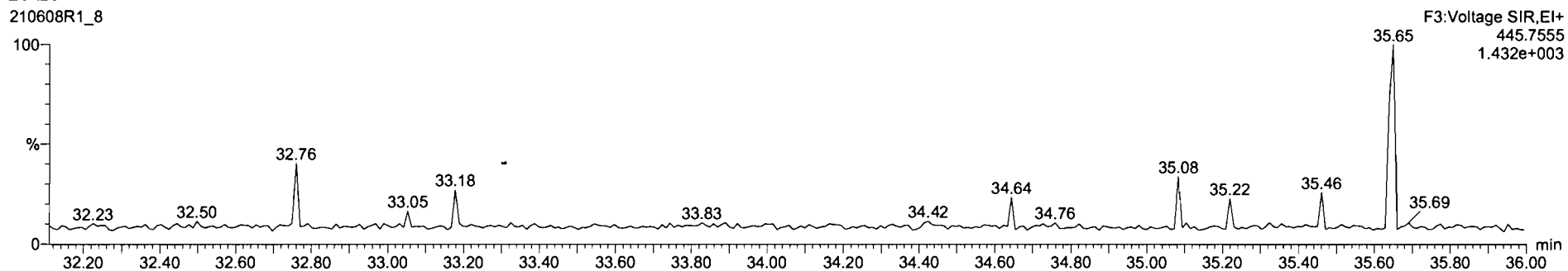
1,2,3,4,7,8-HxCDF



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



DPE3



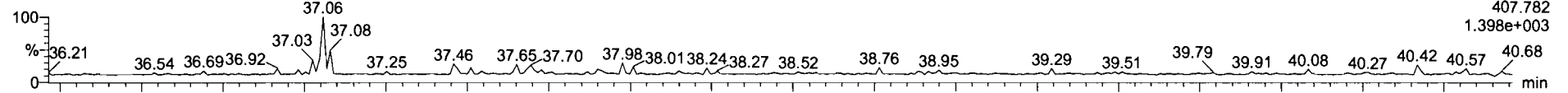
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Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

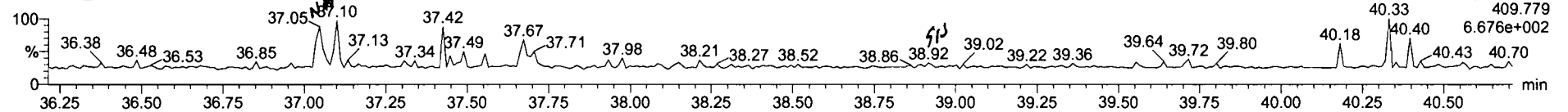
Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

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

210608R1_8

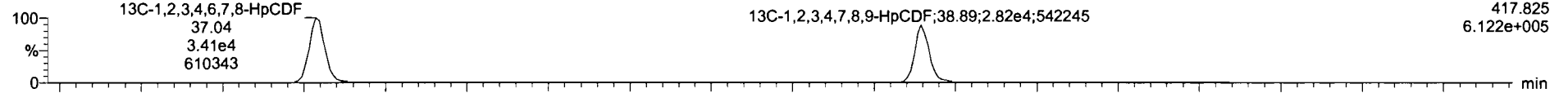


210608R1_8

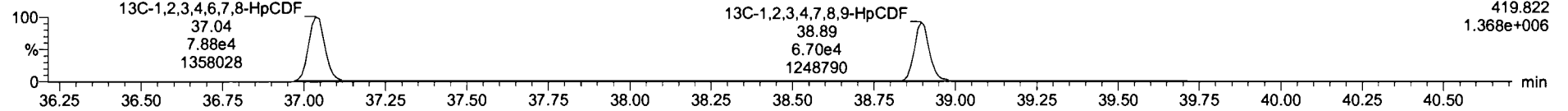


13C-1,2,3,4,6,7,8-HpCDF

210608R1_8

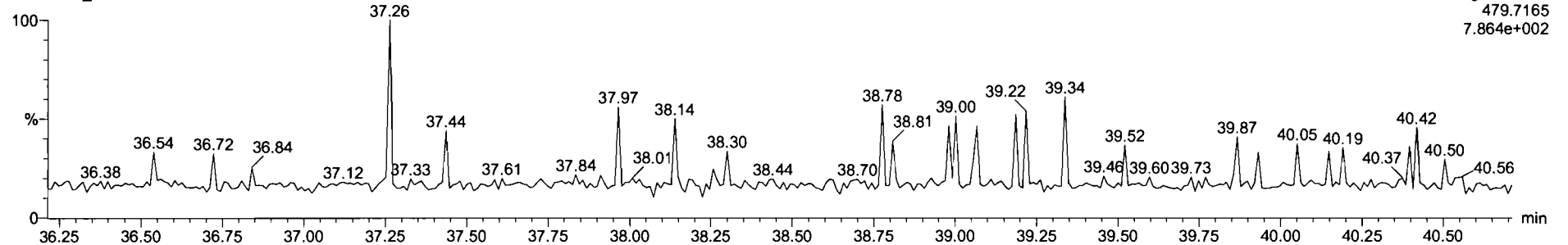


210608R1_8



DPE4

210608R1_8

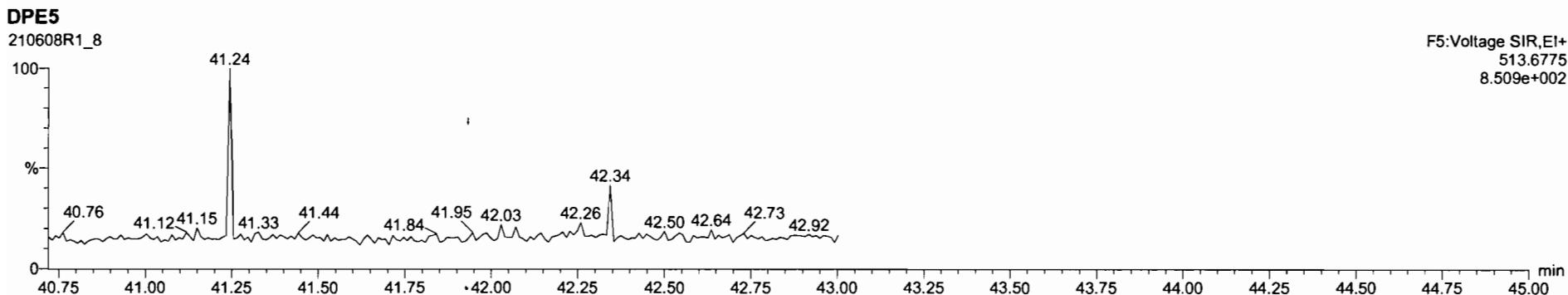
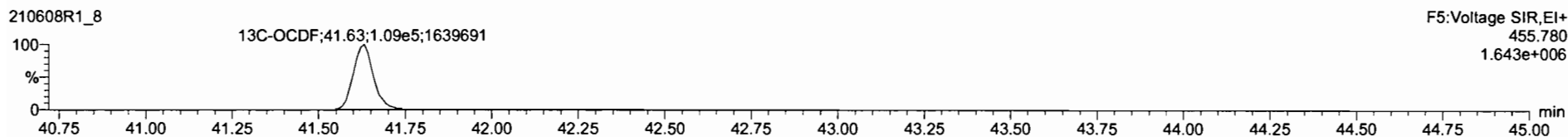
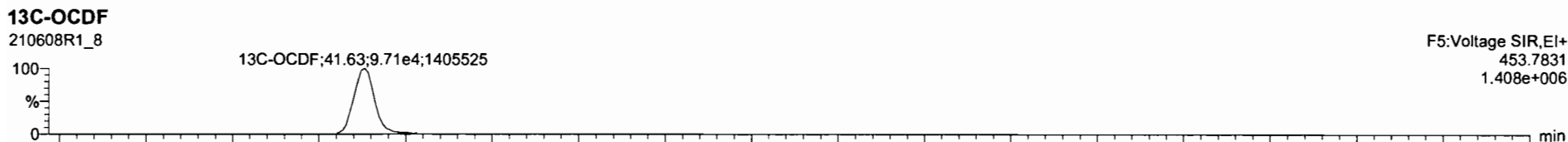
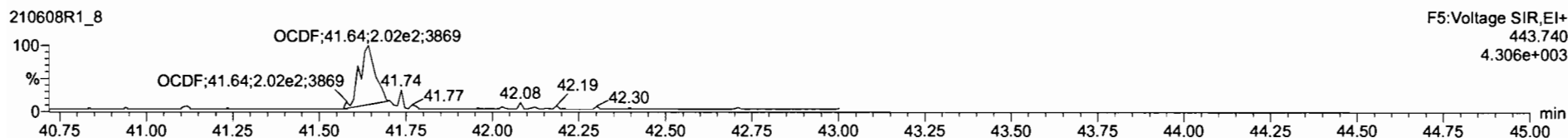
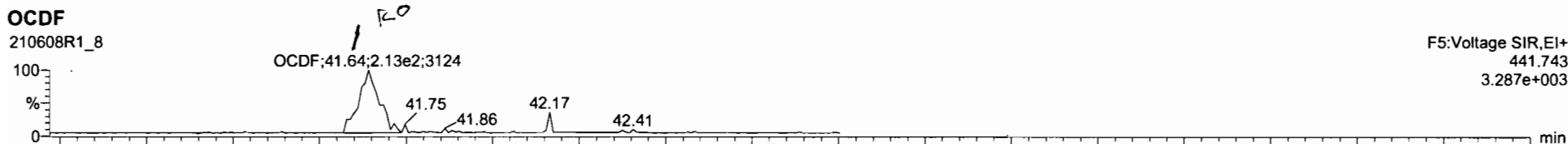


Dataset: Untitled

Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time

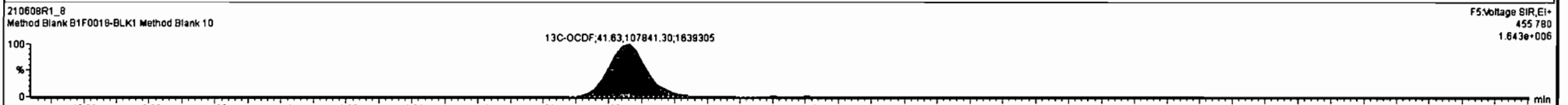
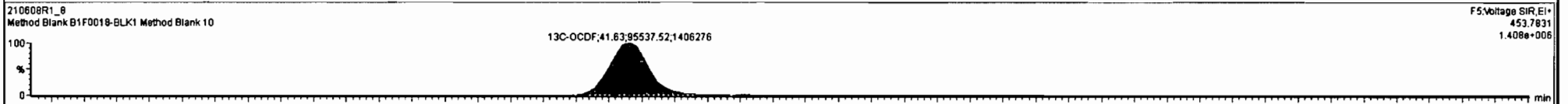
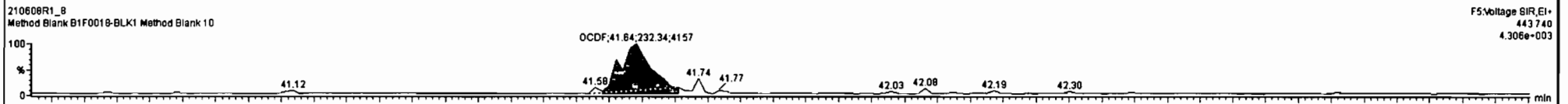
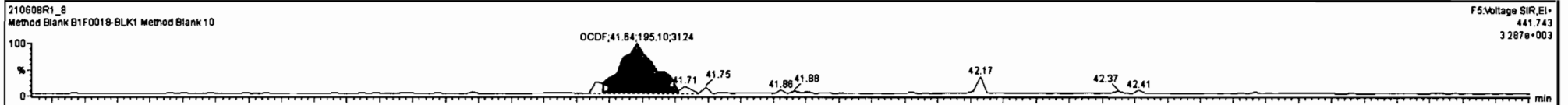
Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank



#	Name	Resp	RA	nNy	RRF	wtA/d	RT	RRT	Conc	%Rec	DL	EMPC
17	OCDf,41.84	4.27e2	0.84	NO	0.7712	10.000	41.84	1.000	1.09	0.133	1.09	
18	13C-2,3,7,8-TCDD	4.32e5	0.78	NO	1.1040	10.000	26.65	1.028	287	143	0.211	
19	13C-1,2,3,7,8-PeCDD	1.90e5	0.81	NO	0.8635	10.000	31.09	1.199	162	80.9	0.325	

#	Name	RT	m1 Resp	m2 Resp	RA	nNy	EMPC	Conc
1								

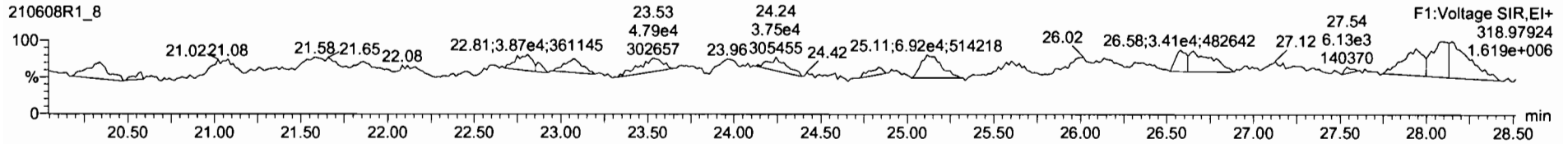


Dataset: Untitled

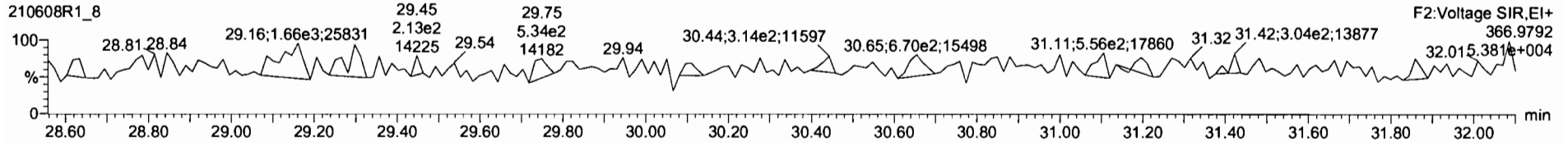
Last Altered: Wednesday, June 09, 2021 10:02:59 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 10:03:43 Pacific Daylight Time

Name: 210608R1_8, Date: 08-Jun-2021, Time: 15:39:32, ID: B1F0018-BLK1 Method Blank 10, Description: Method Blank

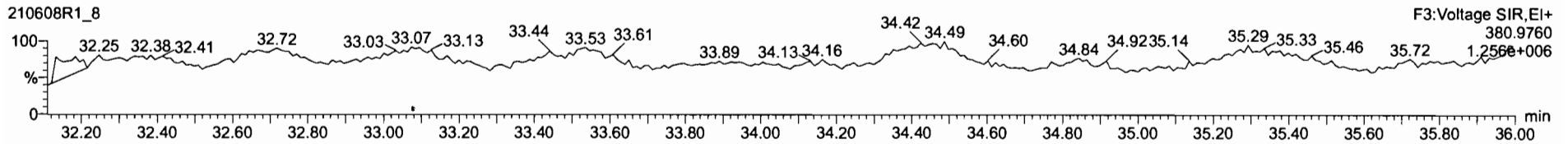
PFK1



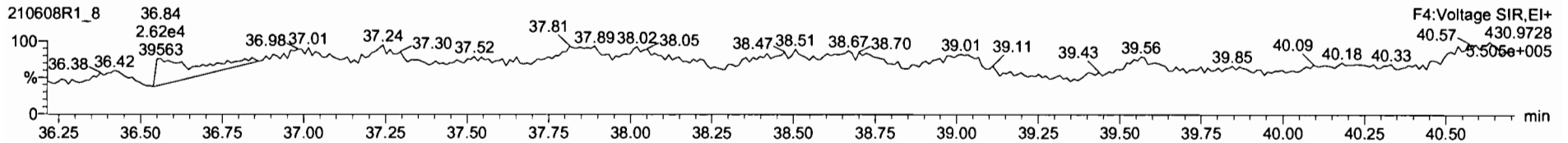
PFK2



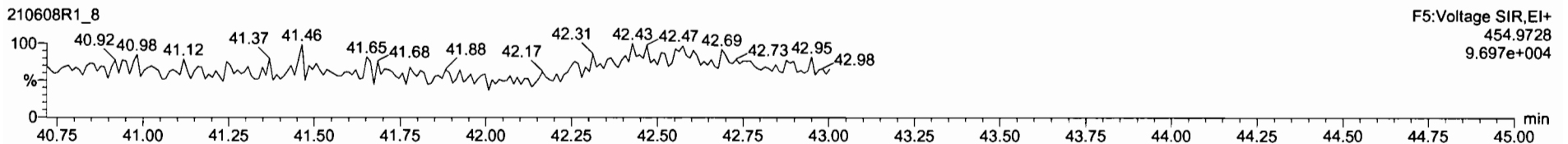
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\210608R1\210608R1_4.qld

Last Altered: Thursday, June 17, 2021 14:12:07 Pacific Daylight Time
Printed: Thursday, June 17, 2021 14:13:01 Pacific Daylight Time

dy 06-17-2021

C100/17/2021

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-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	2.51e4	0.79	NO	0.929	10.000	26.698	26.68	1.001	1.001	22.108		0.0981	22.1
2	2 1,2,3,7,8-PeCDD	6.83e4	0.62	NO	0.826	10.000	31.136	31.12	1.001	1.000	121.30		0.276	121
3	3 1,2,3,4,7,8-HxCDD	6.02e4	1.28	NO	0.972	10.000	34.477	34.47	1.001	1.000	128.62		0.480	129
4	4 1,2,3,6,7,8-HxCDD	6.10e4	1.25	NO	0.877	10.000	34.602	34.59	1.001	1.000	125.30		0.451	125
5	5 1,2,3,7,8,9-HxCDD	6.50e4	1.28	NO	0.874	10.000	34.884	34.88	1.000	1.000	124.14		0.424	124
6	6 1,2,3,4,6,7,8-HpCDD	4.45e4	1.06	NO	0.899	10.000	38.268	38.27	1.000	1.000	125.29		0.646	125
7	7 OCDD	6.69e4	0.85	NO	0.852	10.000	41.346	41.35	1.000	1.000	256.68		2.93	257
8	8 2,3,7,8-TCDF	1.98e4	0.77	NO	0.747	10.000	26.034	26.05	1.000	1.001	22.342		0.0745	22.3
9	9 1,2,3,7,8-PeCDF	1.08e5	1.64	NO	0.877	10.000	29.917	29.93	1.000	1.001	123.93		0.323	124
10	10 2,3,4,7,8-PeCDF	1.04e5	1.60	NO	0.962	10.000	30.961	30.94	1.001	1.000	126.13		0.352	126
11	11 1,2,3,4,7,8-HxCDF	7.73e4	1.22	NO	0.920	10.000	33.534	33.53	1.000	1.000	119.34		0.507	119
12	12 1,2,3,6,7,8-HxCDF	8.28e4	1.22	NO	0.936	10.000	33.680	33.67	1.001	1.000	119.23		0.444	119
13	13 2,3,4,6,7,8-HxCDF	8.13e4	1.27	NO	0.973	10.000	34.372	34.36	1.001	1.000	120.86		0.503	121
14	14 1,2,3,7,8,9-HxCDF	6.62e4	1.22	NO	0.940	10.000	35.440	35.44	1.000	1.000	122.92		0.711	123
15	15 1,2,3,4,6,7,8-HpCDF	5.83e4	1.03	NO	1.05	10.000	37.066	37.06	1.000	1.000	121.81		0.611	122
16	16 1,2,3,4,7,8,9-HpCDF	4.84e4	1.02	NO	1.05	10.000	38.928	38.93	1.000	1.000	121.44		0.631	121
17	17 OCDF	7.86e4	0.87	NO	0.771	10.000	41.691	41.69	1.000	1.000	243.99		1.12	244
18	18 13C-2,3,7,8-TCDD	2.45e5	0.78	NO	1.10	10.000	26.640	26.67	1.027	1.028	206.03	103	0.294	
19	19 13C-1,2,3,7,8-PeCDD	1.36e5	0.62	NO	0.864	10.000	31.016	31.10	1.196	1.199	146.80	73.4	0.352	
20	20 13C-1,2,3,4,7,8-HxCDD	9.63e4	1.30	NO	0.746	10.000	34.454	34.46	1.014	1.014	155.79	77.9	0.613	
21	21 13C-1,2,3,6,7,8-HxCDD	1.11e5	1.29	NO	0.847	10.000	34.573	34.58	1.017	1.018	158.37	79.2	0.540	
22	22 13C-1,2,3,7,8,9-HxCDD	1.20e5	1.29	NO	0.868	10.000	34.872	34.87	1.026	1.026	166.53	83.3	0.527	
23	23 13C-1,2,3,4,6,7,8-HpCDD	7.91e4	1.08	NO	0.664	10.000	38.220	38.26	1.125	1.126	143.84	71.9	0.700	
24	24 13C-OCDD	1.22e5	0.90	NO	0.561	10.000	41.166	41.34	1.211	1.216	263.28	65.8	1.27	
25	25 13C-2,3,7,8-TCDF	2.38e5	0.76	NO	1.09	10.000	26.030	26.03	1.003	1.003	131.01	65.5	0.299	
26	26 13C-1,2,3,7,8-PeCDF	2.00e5	1.60	NO	0.809	10.000	29.748	29.91	1.147	1.153	148.39	74.2	0.753	
27	27 13C-2,3,4,7,8-PeCDF	1.71e5	1.67	NO	0.803	10.000	30.708	30.94	1.184	1.193	128.46	64.2	0.759	
28	28 13C-1,2,3,4,7,8-HxCDF	1.41e5	0.50	NO	1.01	10.000	33.526	33.52	0.987	0.986	168.13	84.1	0.707	
29	29 13C-1,2,3,6,7,8-HxCDF	1.48e5	0.47	NO	1.07	10.000	33.655	33.66	0.990	0.990	166.93	83.5	0.666	
30	30 13C-2,3,4,6,7,8-HxCDF	1.38e5	0.49	NO	0.910	10.000	34.345	34.35	1.011	1.011	183.66	91.8	0.786	
31	31 13C-1,2,3,7,8,9-HxCDF	1.15e5	0.49	NO	0.828	10.000	35.423	35.43	1.042	1.042	166.99	83.5	0.863	

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_4.qld

Last Altered: Thursday, June 17, 2021 14:12:07 Pacific Daylight Time

Printed: Thursday, June 17, 2021 14:13:01 Pacific Daylight Time

Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR

#	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	9.14e4	0.41	NO	0.661	10.000	37.030	37.05	1.090	1.090	166.92	83.5	0.969	
33	13C-1,2,3,4,7,8,9-HpCDF	7.62e4	0.41	NO	0.566	10.000	38.790	38.92	1.141	1.145	162.71	81.4	1.13	
34	13C-OCDF	1.67e5	0.89	NO	0.663	10.000	41.553	41.68	1.223	1.227	304.46	76.1	0.925	
35	37Cl-2,3,7,8-TCDD	4.29e4			2.07	10.000	26.840	26.68	1.035	1.028	19.282	48.2	0.0364	
36	13C-1,2,3,4-TCDD	2.15e5	0.78	NO	1.00	10.000	26.070	25.94	1.000	1.000	200.00	100	0.325	
37	13C-1,2,3,4-TCDF	3.32e5	0.78	NO	1.00	10.000	24.760	24.58	1.000	1.000	200.00	100	0.327	
38	13C-1,2,3,4,6,9-HxCDF	1.66e5	0.49	NO	1.00	10.000	34.040	33.99	1.000	1.000	200.00	100	0.715	

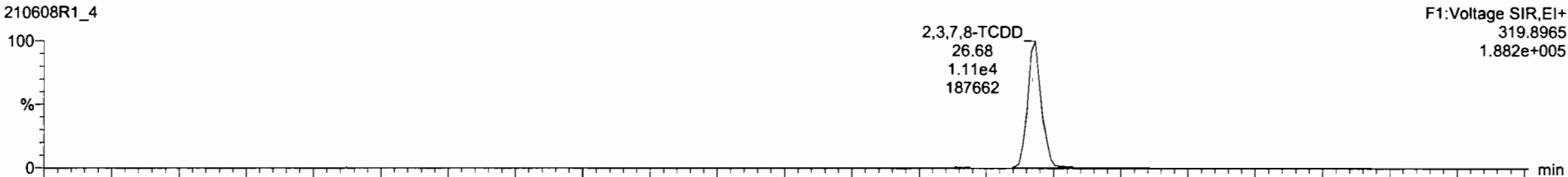
Dataset: U:\VG12.PRO\Results\210608R1\210608R1_4.qld

Last Altered: Tuesday, June 08, 2021 1:32:02 PM Pacific Daylight Time
Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

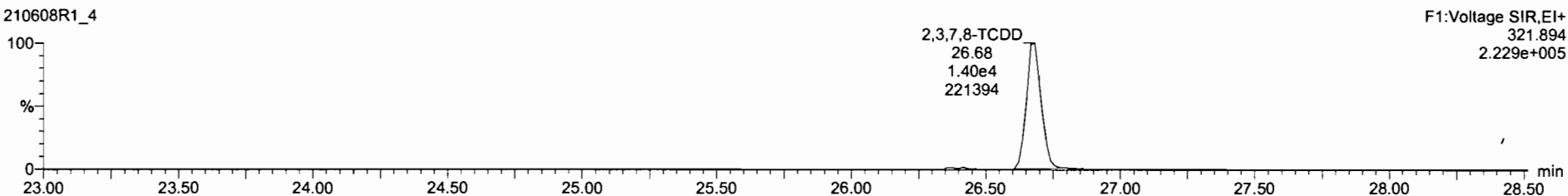
Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR

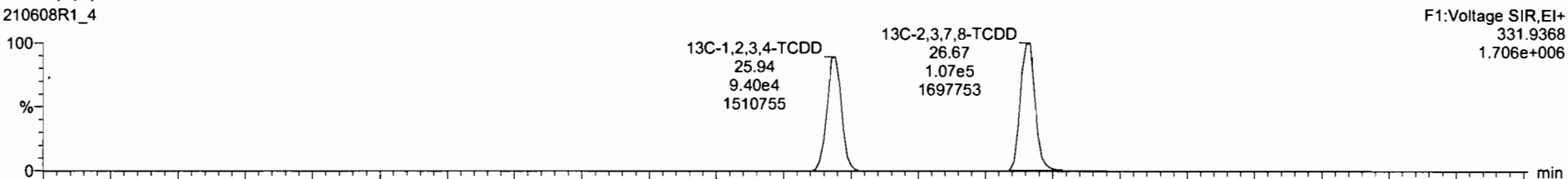
2,3,7,8-TCDD
210608R1_4



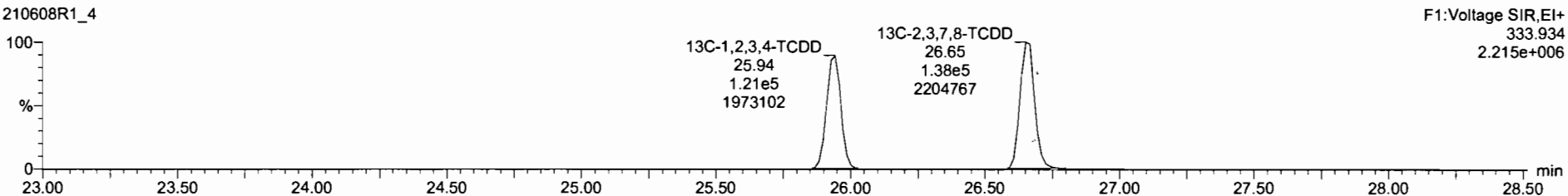
210608R1_4



13C-2,3,7,8-TCDD
210608R1_4



210608R1_4



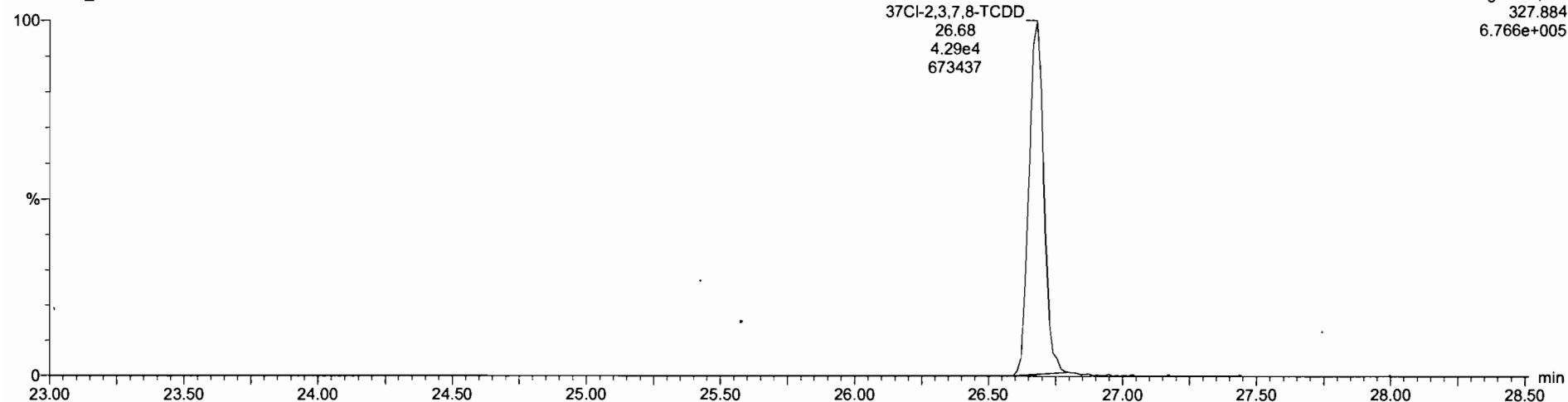
Dataset: U:\VG12.PRO\Results\210608R1\210608R1_4.qld

Last Altered: Tuesday, June 08, 2021 1:32:02 PM Pacific Daylight Time
Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR

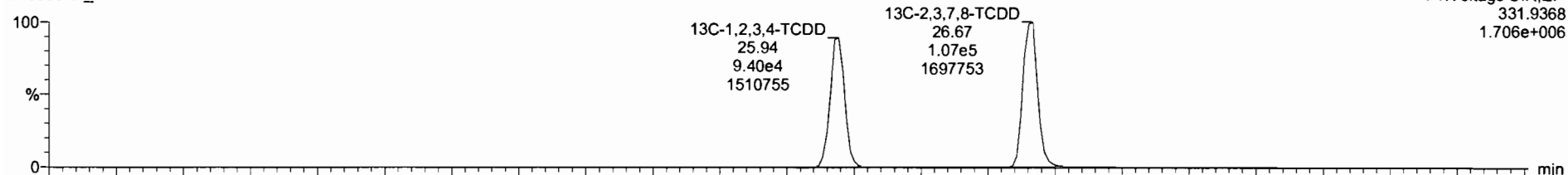
37Cl-2,3,7,8-TCDD

210608R1_4

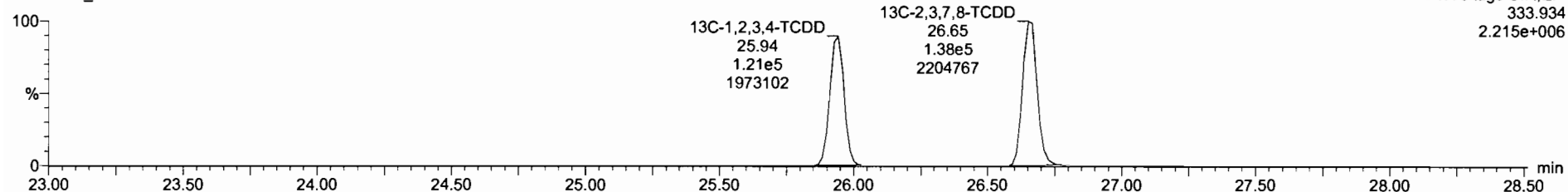


13C-1,2,3,4-TCDD

210608R1_4



210608R1_4



Dataset: U:\VG12.PRO\Results\210608R1\210608R1_4.qld

Last Altered: Tuesday, June 08, 2021 1:32:02 PM Pacific Daylight Time
Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

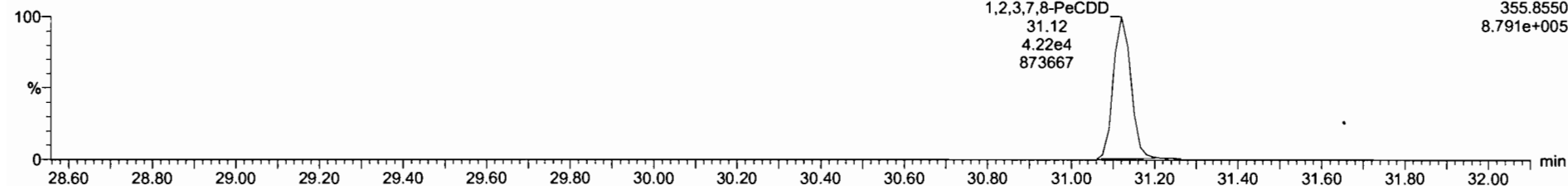
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1,2,3,7,8-PeCDD

210608R1_4

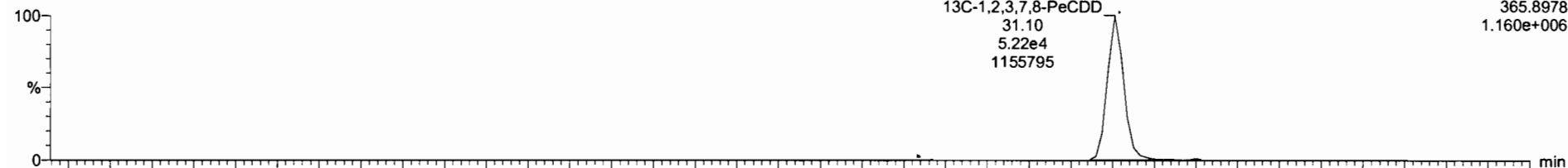


210608R1_4

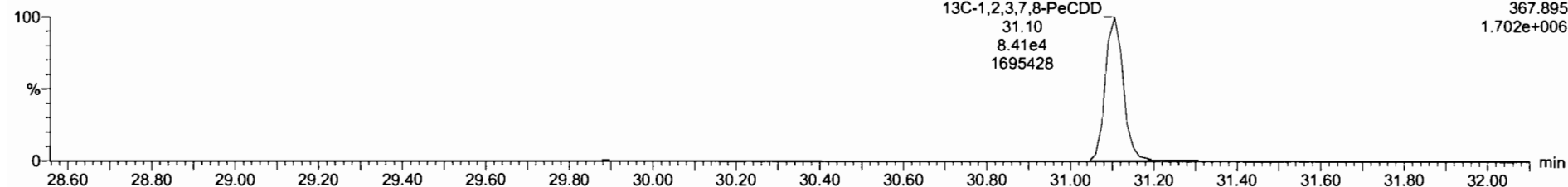


13C-1,2,3,7,8-PeCDD

210608R1_4



210608R1_4



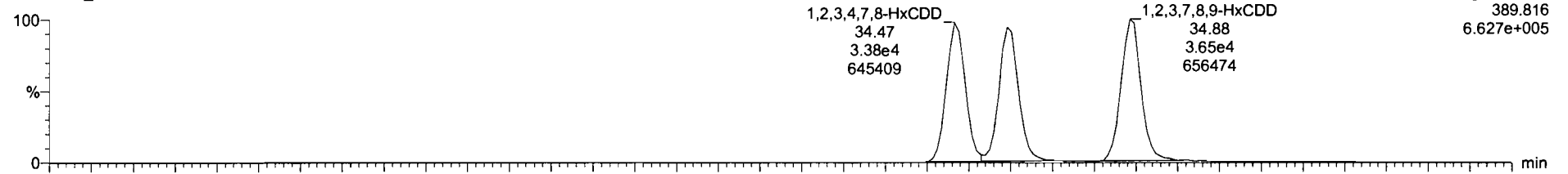
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Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

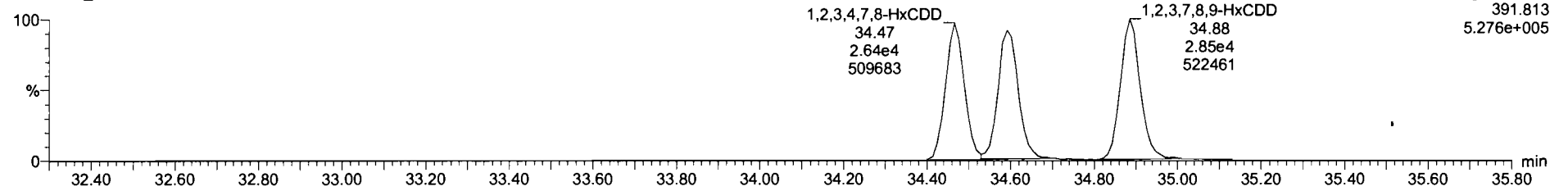
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1,2,3,4,7,8-HxCDD

210608R1_4

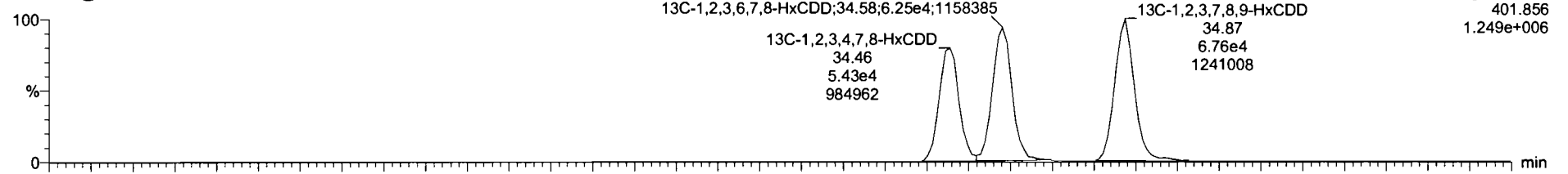


210608R1_4

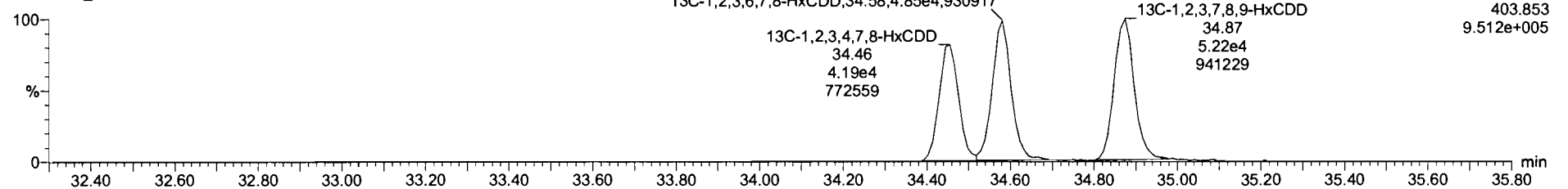


13C-1,2,3,4,7,8-HxCDD

210608R1_4



210608R1_4



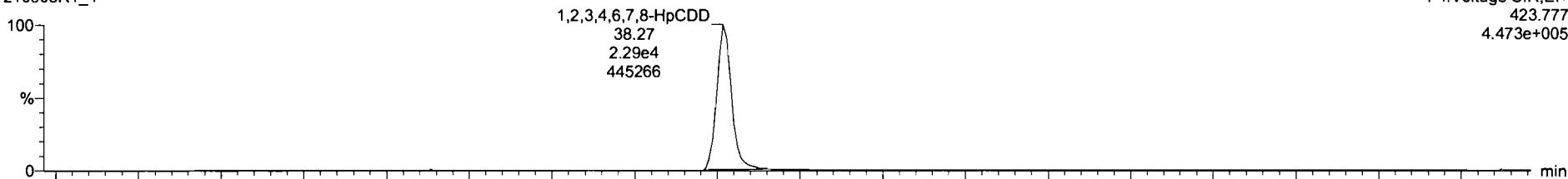
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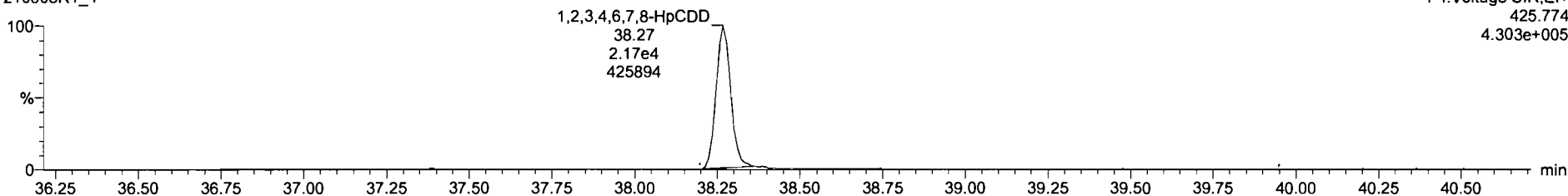
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1,2,3,4,6,7,8-HpCDD

210608R1_4

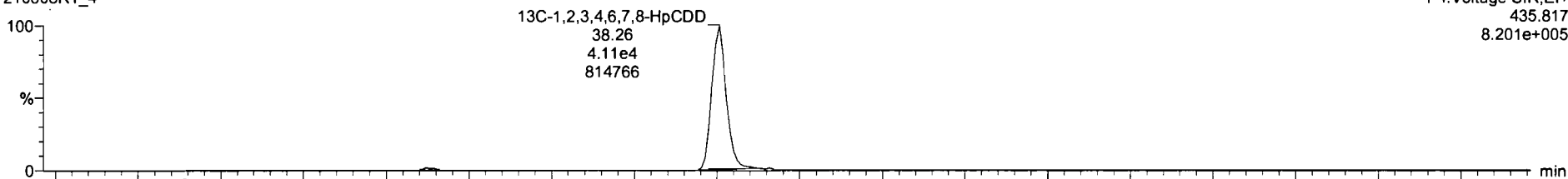


210608R1_4

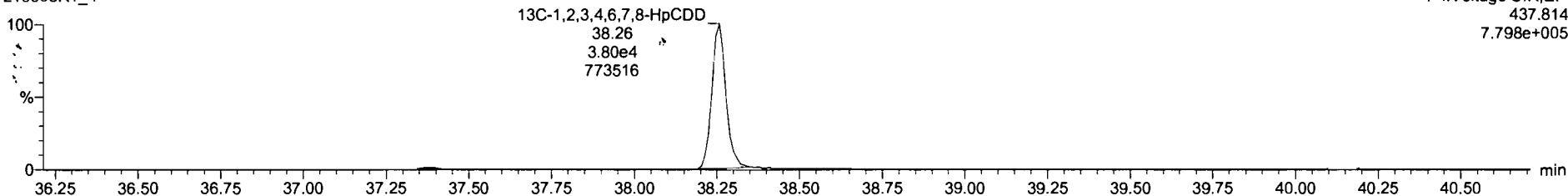


13C-1,2,3,4,6,7,8-HpCDD

210608R1_4



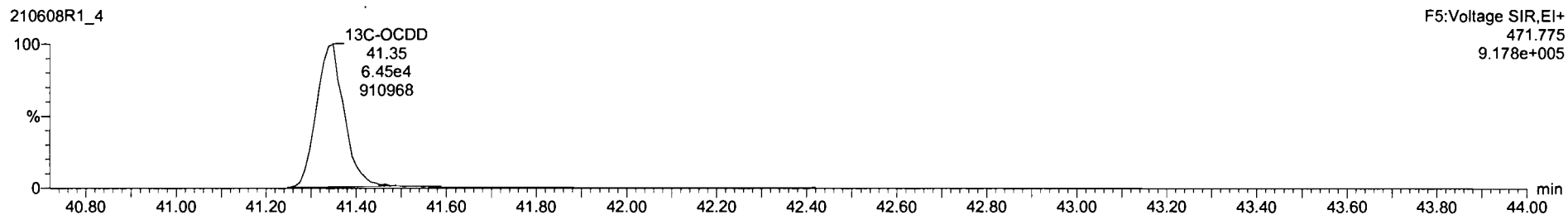
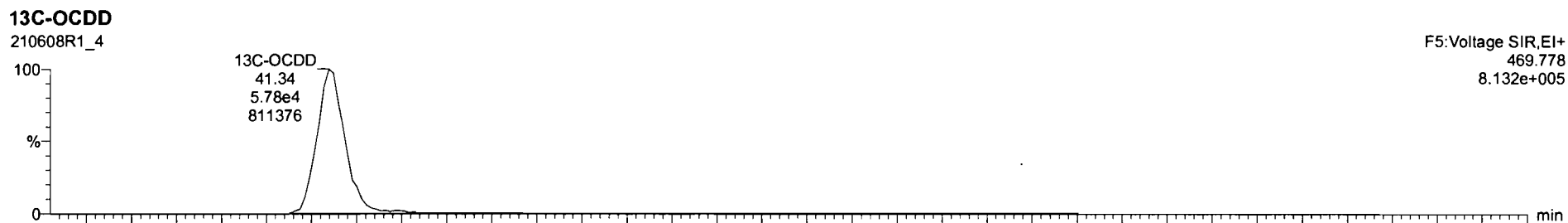
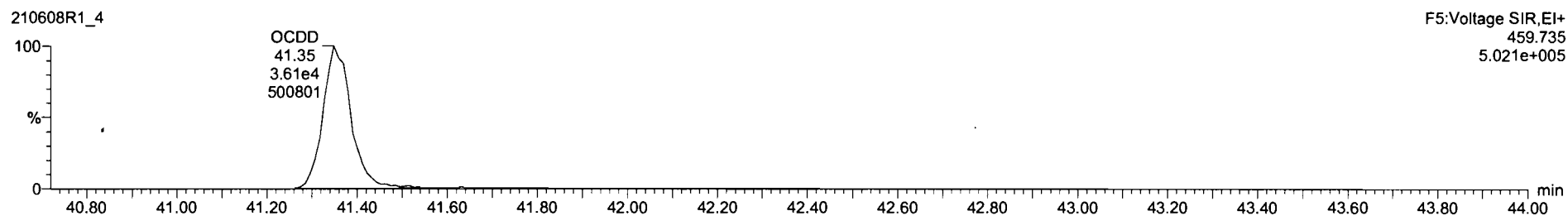
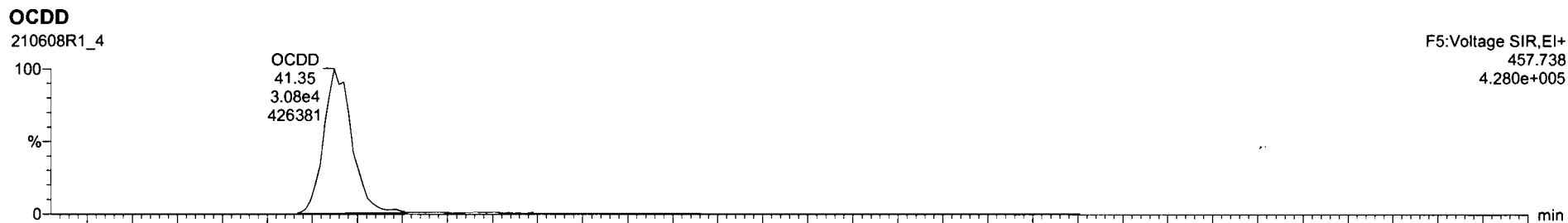
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Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR



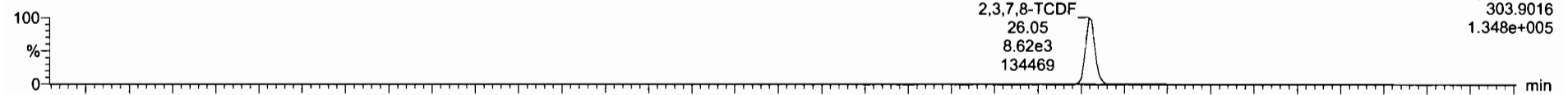
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Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

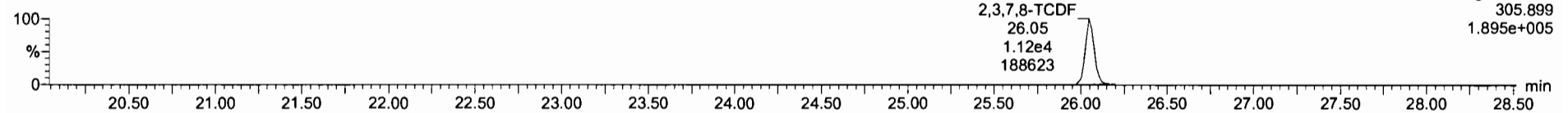
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2,3,7,8-TCDF

210608R1_4

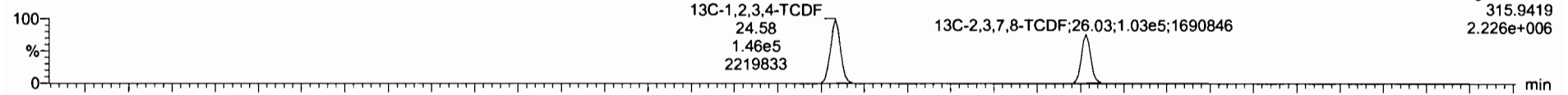


210608R1_4

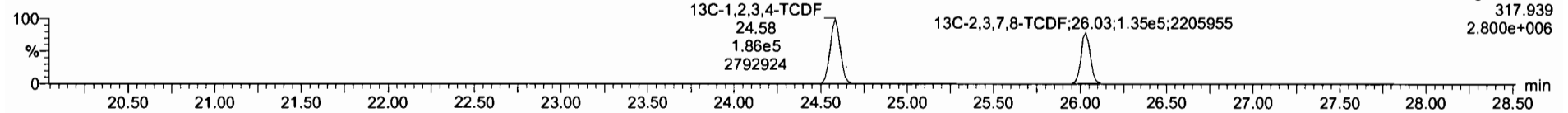


13C-2,3,7,8-TCDF

210608R1_4

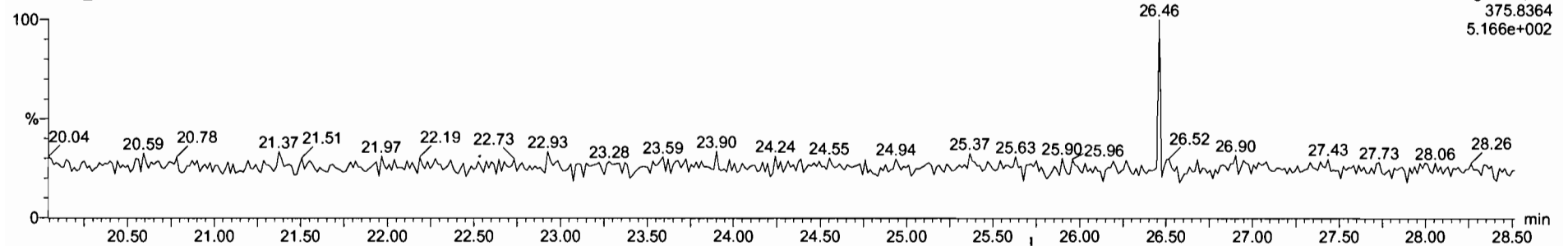


210608R1_4



DPE1

210608R1_4



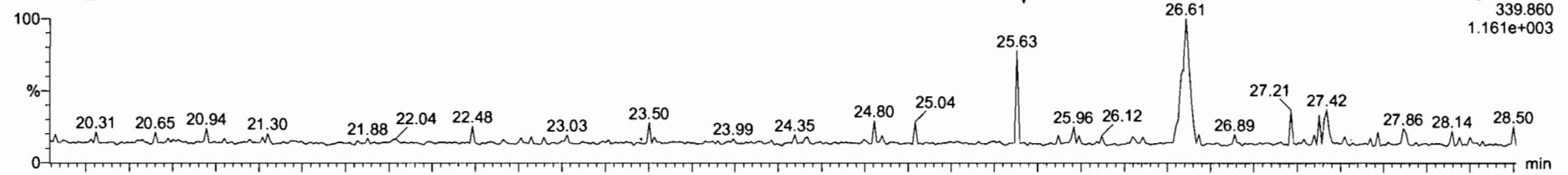
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Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

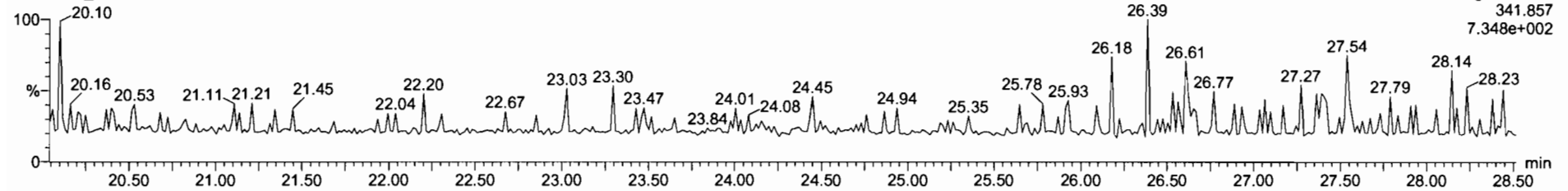
Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR

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210608R1_4

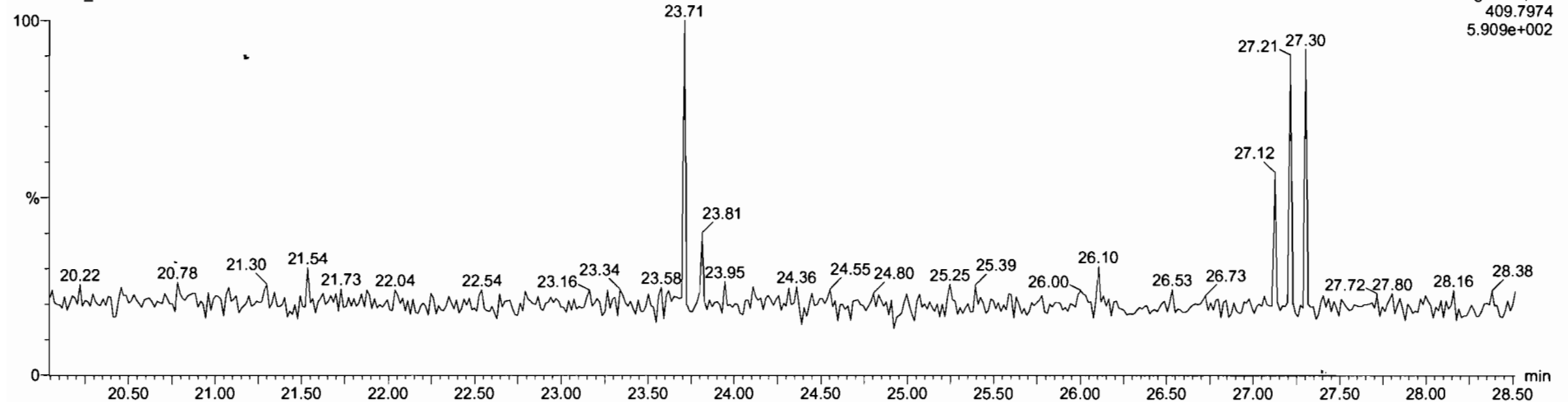


210608R1_4



DPE6

210608R1_4



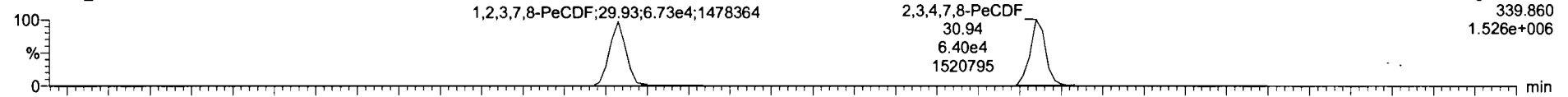
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Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

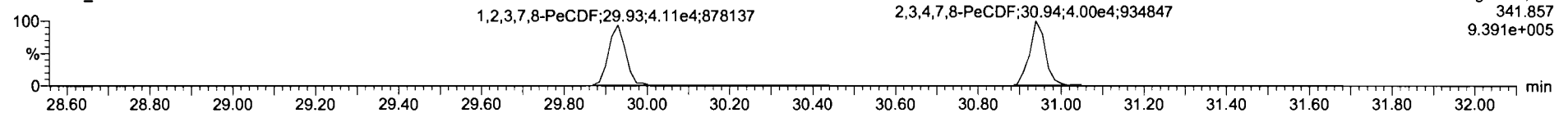
Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDF

210608R1_4

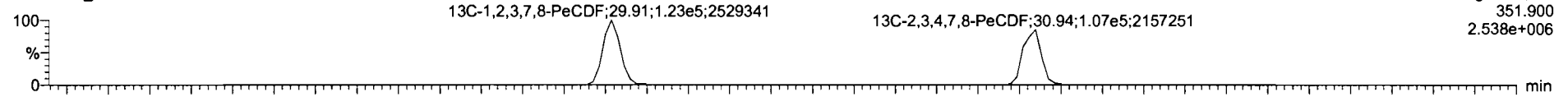


210608R1_4

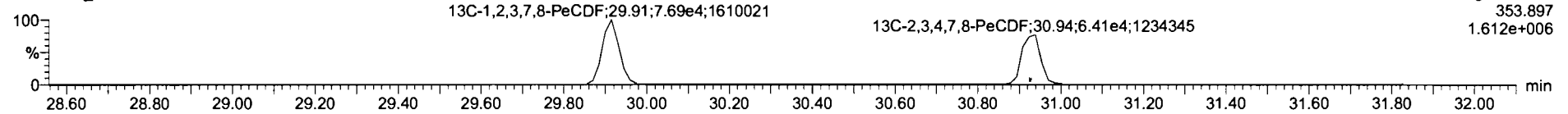


13C-1,2,3,7,8-PeCDF

210608R1_4

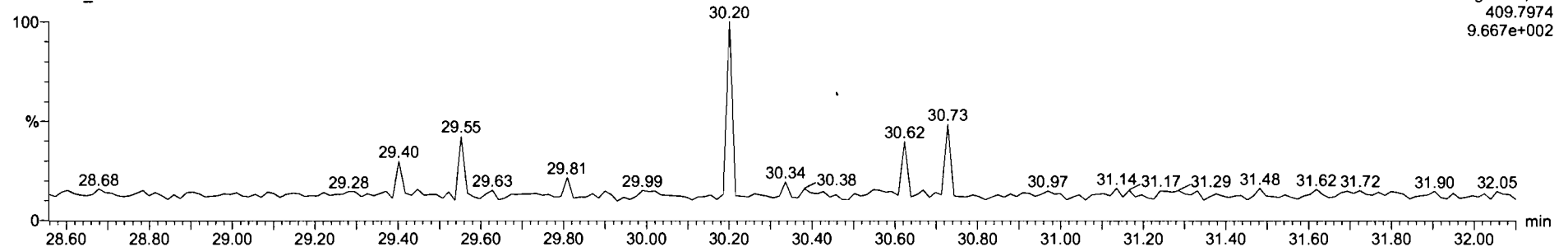


210608R1_4



DPE2

210608R1_4

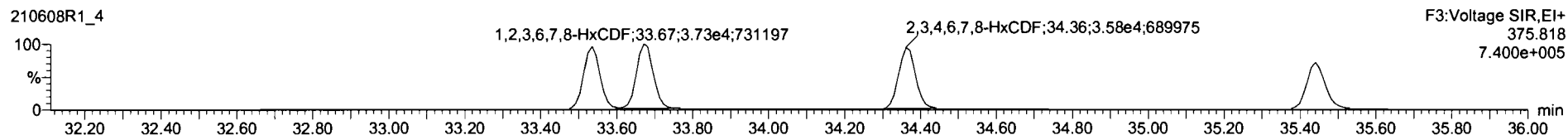
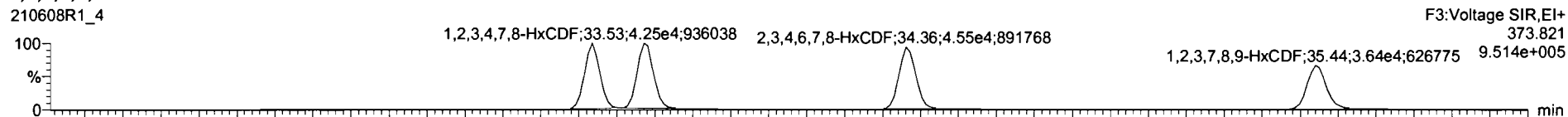


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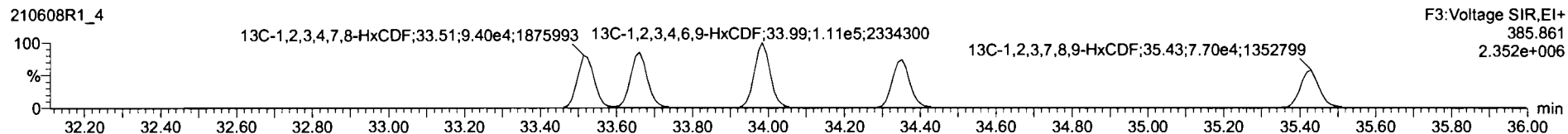
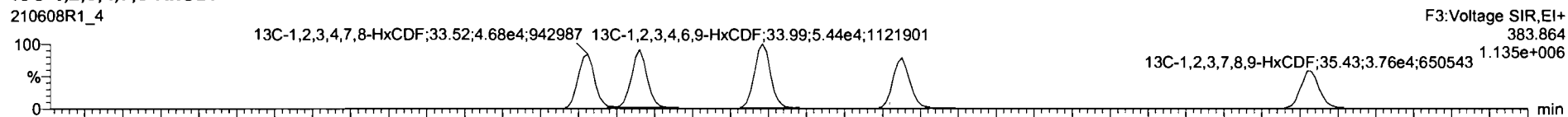
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Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

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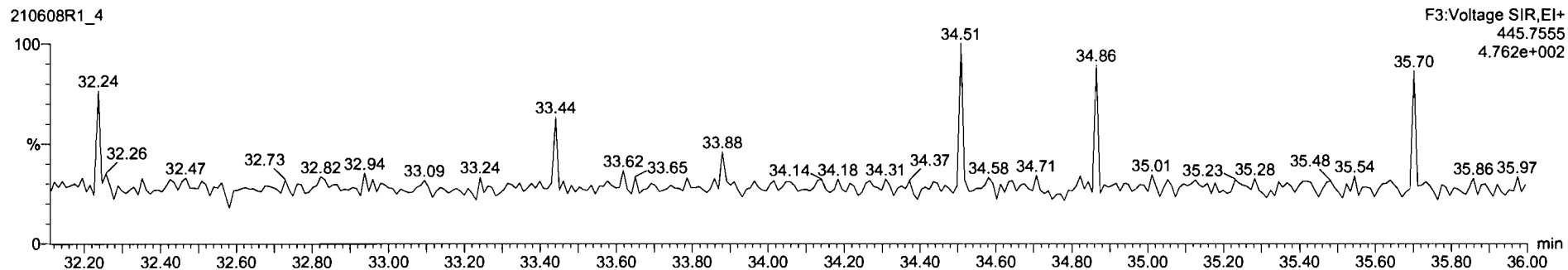
1,2,3,4,7,8-HxCDF



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



DPE3

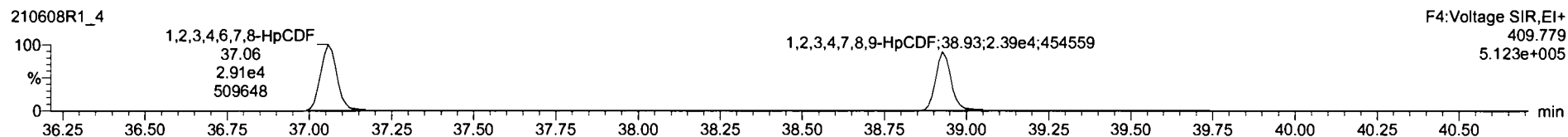
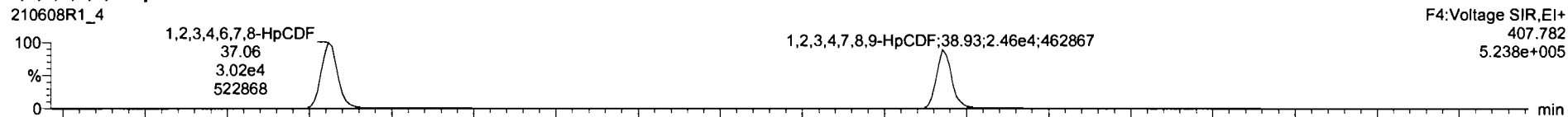


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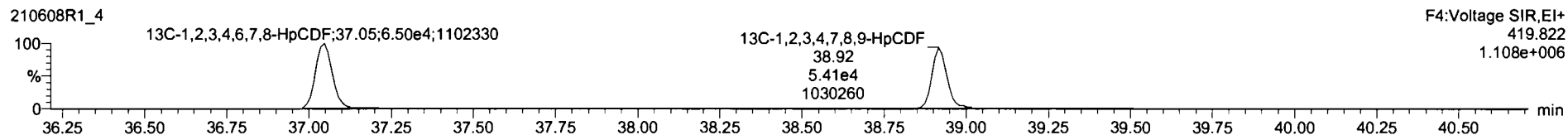
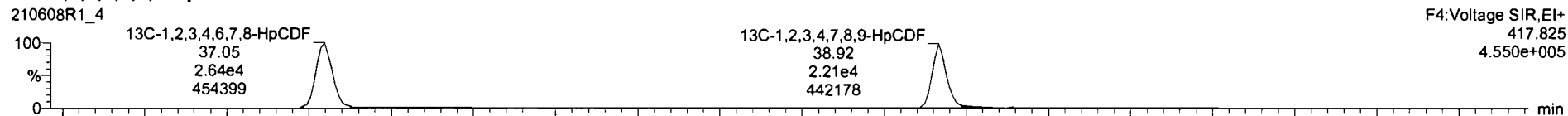
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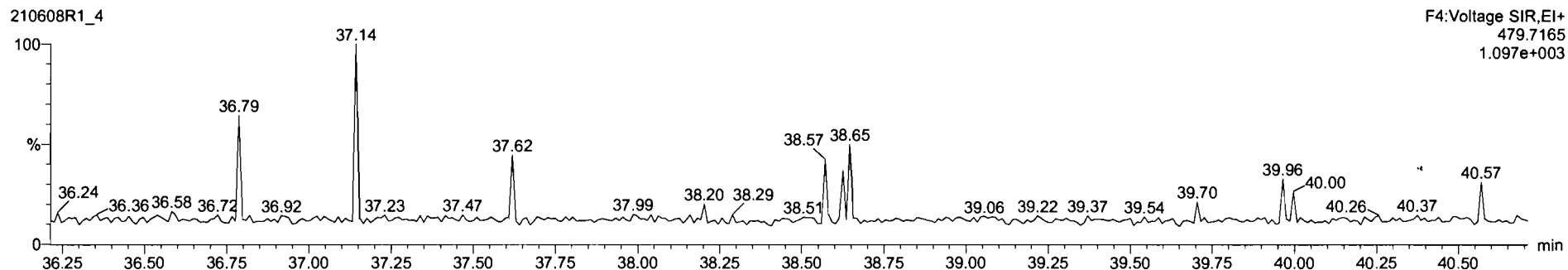
1,2,3,4,6,7,8-HpCDF



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



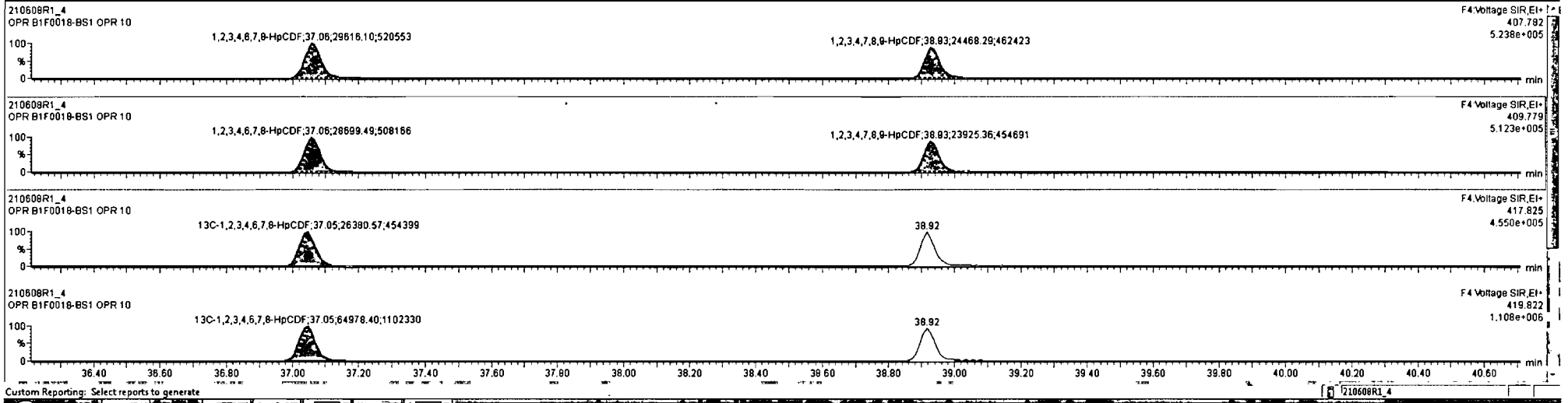
DPE4



210608R1_4 - B1F0018-BS1 OPR 10 - OPR

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
47 Total Hepte-Furane				1.0481	10.000			243	0.819	243	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											

Name	RT / L	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,8,7,8-HpCDF	37.06	2.962e4	2.870e4	1.03	NO	121.81	121.81
2 1,2,3,4,7,8,9-HpCDF	38.93	2.447e4	2.393e4	1.02	NO	121.44	121.44



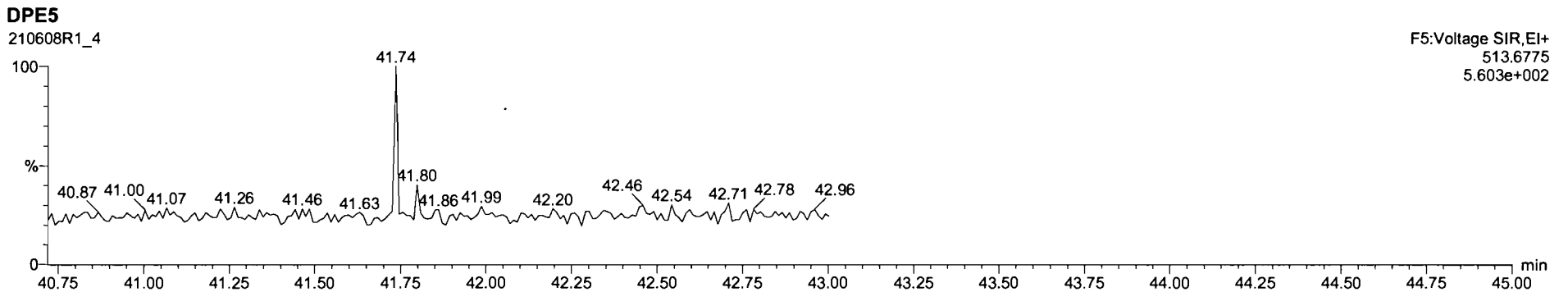
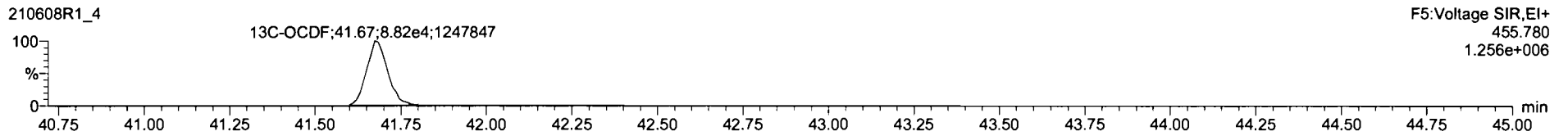
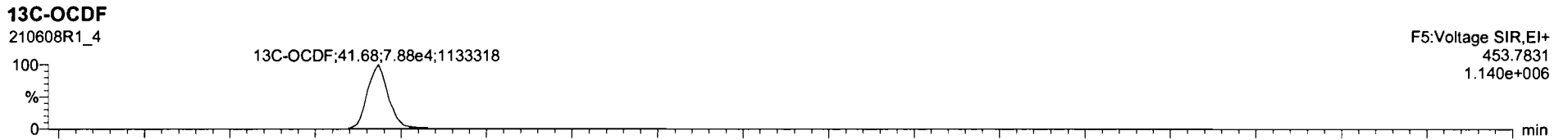
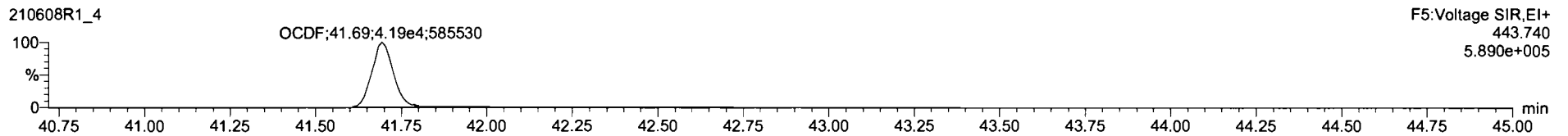
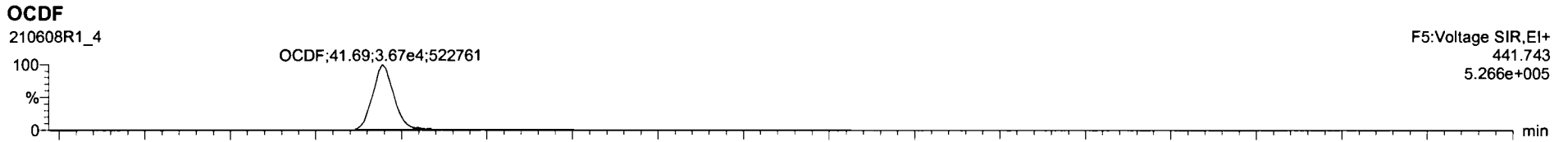
Custom Reporting: Select reports to generate

210608R1_4

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_4.qld

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Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR

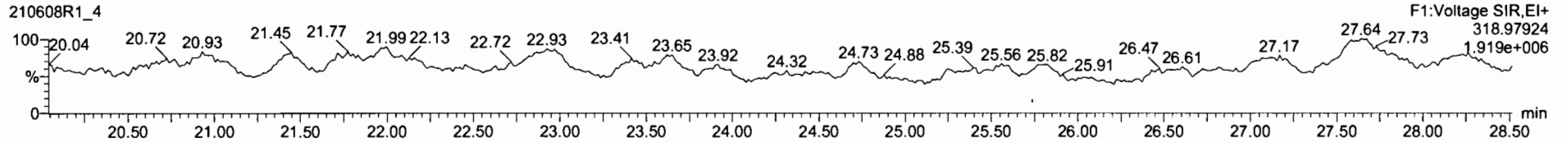


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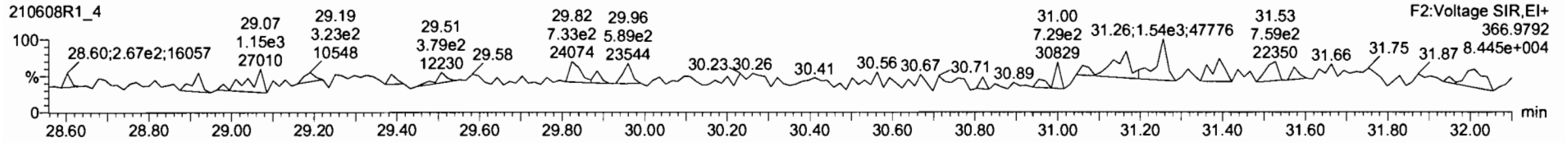
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Printed: Wednesday, June 09, 2021 2:09:30 PM Pacific Daylight Time

Name: 210608R1_4, Date: 08-Jun-2021, Time: 12:37:08, ID: B1F0018-BS1 OPR 10, Description: OPR

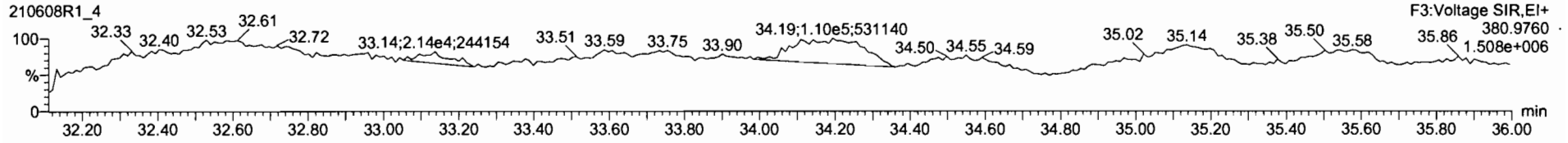
PFK1



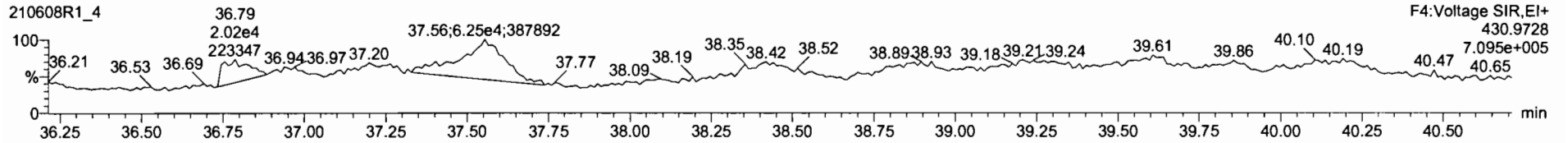
PFK2



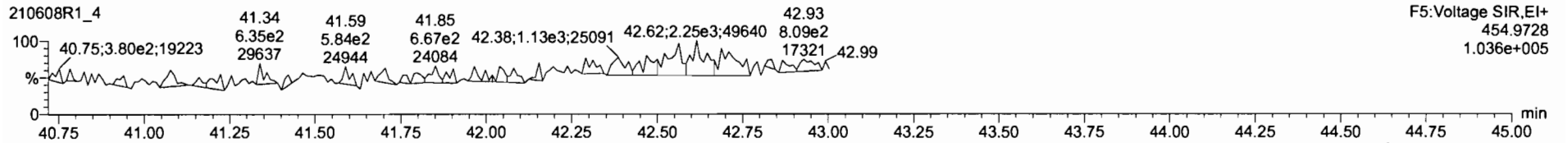
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

Last Altered: Wednesday, June 02, 2021 16:07:23 Pacific Daylight Time

Printed: Wednesday, June 02, 2021 16:07:43 Pacific Daylight Time

Handwritten: Hk 6-2-2021 CT 06/02/2021

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430, Task: ST210525D2-1

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	1.05	10.022					0.0865	
2 1,2,3,7,8-PeCDD			NO	0.881	10.022					0.119	
3 1,2,3,4,7,8-HxCDD			NO	1.14	10.022					0.427	
4 1,2,3,6,7,8-HxCDD	2.01e2	1.05	YES	1.01	10.022	34.77	1.000	0.33228		0.399	0.308
5 1,2,3,7,8,9-HxCDD			NO	1.02	10.022					0.404	
6 1,2,3,4,6,7,8-HpCDD	2.15e3	0.98	NO	1.07	10.022	38.60	1.001	5.1254		0.768	5.13
7 OCDD	1.18e4	0.90	NO	1.00	10.022	42.48	1.001	50.461		3.95	50.5
8 2,3,7,8-TCDF	8.80e2	0.78	NO	0.864	10.022	26.37	1.001	0.83318		0.0854	0.833
9 1,2,3,7,8-PeCDF	2.24e3	1.37	NO	0.948	10.022	30.02	1.001	2.0962		0.109	2.10
10 2,3,4,7,8-PeCDF	9.20e2	1.66	NO	1.04	10.022	30.99	1.001	0.78682		0.101	0.787
11 1,2,3,4,7,8-HxCDF	4.16e3	1.22	NO	1.04	10.022	33.64	1.000	4.7615		0.203	4.76
12 1,2,3,6,7,8-HxCDF	1.12e3	1.23	NO	1.07	10.022	33.80	1.000	1.1714		0.187	1.17
13 2,3,4,6,7,8-HxCDF	2.14e2	1.18	NO	1.12	10.022	34.52	1.001	0.24059		0.234	0.241
14 1,2,3,7,8,9-HxCDF	1.97e2	1.71	YES	1.10	10.022	35.68	1.001	0.26733		0.335	0.221
15 1,2,3,4,6,7,8-HpCDF	1.66e3	1.12	NO	1.16	10.022	37.27	1.000	3.0001		0.362	3.00
16 1,2,3,4,7,8,9-HpCDF	3.90e2	1.10	NO	1.19	10.022	39.35	1.001	0.82491		0.601	0.825
17 OCDF	1.75e3	0.92	NO	0.909	10.022	42.76	1.000	5.3631		0.951	5.36
18 13C-2,3,7,8-TCDD	1.44e5	0.82	NO	1.15	10.022	26.95	1.025	151.41	75.9	0.243	
19 13C-1,2,3,7,8-PeCDD	1.32e5	0.64	NO	0.887	10.022	31.15	1.185	179.91	90.2	0.282	
20 13C-1,2,3,4,7,8-HxCDD	9.18e4	1.27	NO	0.645	10.022	34.63	1.015	140.20	70.3	0.709	
21 13C-1,2,3,6,7,8-HxCDD	1.19e5	1.32	NO	0.717	10.022	34.77	1.019	163.71	82.0	0.638	
22 13C-1,2,3,7,8,9-HxCDD	1.15e5	1.30	NO	0.714	10.022	35.10	1.029	158.05	79.2	0.640	
23 13C-1,2,3,4,6,7,8-HpCDD	7.87e4	1.04	NO	0.583	10.022	38.58	1.130	132.94	66.6	0.935	
24 13C-OCDD	9.29e4	0.88	NO	0.451	10.022	42.46	1.244	202.89	50.8	1.73	
25 13C-2,3,7,8-TCDF	2.44e5	0.74	NO	1.09	10.022	26.36	1.002	130.43	65.4	0.245	
26 13C-1,2,3,7,8-PeCDF	2.24e5	1.66	NO	0.805	10.022	30.00	1.141	162.55	81.5	0.572	
27 13C-2,3,4,7,8-PeCDF	2.25e5	1.60	NO	0.792	10.022	30.97	1.178	165.47	82.9	0.582	
28 13C-1,2,3,4,7,8-HxCDF	1.67e5	0.49	NO	0.997	10.022	33.63	0.986	165.02	82.7	0.814	
29 13C-1,2,3,6,7,8-HxCDF	1.78e5	0.50	NO	1.03	10.022	33.78	0.990	170.68	85.5	0.789	
30 13C-2,3,4,6,7,8-HxCDF	1.59e5	0.49	NO	0.940	10.022	34.50	1.011	166.26	83.3	0.863	

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

Last Altered: Wednesday, June 02, 2021 16:07:23 Pacific Daylight Time

Printed: Wednesday, June 02, 2021 16:07:43 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.34e5	0.48	NO	0.852	10.022	35.64	1.044	154.97	77.7	0.952	
32	13C-1,2,3,4,6,7,8-HpCDF	9.51e4	0.41	NO	0.727	10.022	37.28	1.092	128.87	64.6	0.814	
33	13C-1,2,3,4,7,8,9-HpCDF	7.94e4	0.42	NO	0.608	10.022	39.31	1.152	128.70	64.5	0.973	
34	13C-OCDF	1.43e5	0.92	NO	0.631	10.022	42.75	1.253	224.06	56.1	0.697	
35	37Cl-2,3,7,8-TCDD	1.21e5			2.22	10.022	26.97	1.026	65.662	82.3	0.0392	
36	13C-1,2,3,4-TCDD	1.65e5	0.78	NO	1.00	10.022	26.30	1.000	199.55	100	0.278	
37	13C-1,2,3,4-TCDF	3.42e5	0.79	NO	1.00	10.022	25.04	1.000	199.55	100	0.268	
38	13C-1,2,3,4,6,9-HxCDF	2.03e5	0.51	NO	1.00	10.022	34.13	1.000	199.55	100	0.811	
39	Total Tetra-Dioxins				1.05	10.022					0.0465	
40	Total Penta-Dioxins				0.881	10.022			0.00000		0.0672	0.133
41	Total Hexa-Dioxins				1.01	10.022			2.1334		0.422	2.50
42	Total Hepta-Dioxins				1.07	10.022			10.927		0.768	10.9
43	Total Tetra-Furans				0.864	10.022			2.3722		0.0854	2.78
44	1st Func. Penta-Furans				0.948	10.022			0.35321		0.0454	0.353
45	Total Penta-Furans				0.948	10.022			4.7858		0.110	5.16
46	Total Hexa-Furans				1.12	10.022			8.4439		0.227	8.86
47	Total Hepta-Furans				1.16	10.022			6.6175		0.477	6.62

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

Last Altered: Wednesday, June 02, 2021 16:07:23 Pacific Daylight Time
 Printed: Wednesday, June 02, 2021 16:07:43 Pacific Daylight Time

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430,
 Task: ST210525D2-1

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	29.70	3.600e2	1.017e3	3.003e1	6.024e1	0.50	YES	0.000e0	0.00000	0.13309	0.0672

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Dioxins	32.87	3.253e3	4.113e3	2.450e2	2.223e2	1.10	NO	4.673e2	0.85056	0.85056	0.422
2 Total Hexa-Dioxins	33.49	7.260e2	4.830e2	3.758e1	1.489e1	2.52	YES	0.000e0	0.00000	0.060691	0.422
3 Total Hexa-Dioxins	33.83	4.770e3	2.923e3	3.987e2	3.062e2	1.30	NO	7.048e2	1.2829	1.2829	0.422
4 1,2,3,6,7,8-HxCDD	34.77	1.387e3	1.414e3	1.029e2	9.808e1	1.05	YES	2.010e2	0.00000	0.30823	0.389

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.61	1.081e4	1.028e4	1.223e3	1.214e3	1.01	NO	2.436e3	5.8012	5.8012	0.768
2 1,2,3,4,6,7,8-HpCDD	38.60	8.297e3	8.388e3	1.064e3	1.089e3	0.98	NO	2.153e3	5.1254	5.1254	0.768

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

Last Altered: Wednesday, June 02, 2021 16:07:23 Pacific Daylight Time

Printed: Wednesday, June 02, 2021 16:07:43 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430, Task: ST210525D2-1

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	23.13	1.467e3	1.281e3	6.843e1	9.572e1	0.71	NO	1.641e2	0.15540	0.15540	0.0854
2	Total Tetra-Furans	23.86	2.801e3	3.770e3	1.879e2	2.524e2	0.74	NO	4.403e2	0.41684	0.41684	0.0854
3	Total Tetra-Furans	24.51	7.400e2	1.209e3	3.688e1	6.053e1	0.61	YES	0.000e0	0.00000	0.080257	0.0854
4	Total Tetra-Furans	25.12	1.354e3	1.669e3	9.302e1	9.038e1	1.03	YES	0.000e0	0.00000	0.15144	0.0854
5	Total Tetra-Furans	25.53	7.316e3	7.496e3	4.298e2	5.023e2	0.86	NO	9.321e2	0.88237	0.88237	0.0854
6	Total Tetra-Furans	26.25	1.901e3	2.021e3	1.054e2	1.068e2	0.99	YES	0.000e0	0.00000	0.17890	0.0854
7	2,3,7,8-TCDF	26.37	5.016e3	8.507e3	3.855e2	4.946e2	0.78	NO	8.801e2	0.83318	0.83318	0.0854
8	Total Tetra-Furans	28.02	8.750e2	1.545e3	4.039e1	4.875e1	0.83	NO	8.914e1	0.084386	0.084386	0.0854

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	27.67	4.597e3	2.187e3	2.345e2	1.425e2	1.65	NO	3.770e2	0.35321	0.35321	0.0454

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.00	8.140e2	9.400e2	4.728e1	3.185e1	1.48	NO	7.914e1	0.074138	0.074138	0.110
2	Total Penta-Furans	29.12	1.070e4	7.367e3	6.460e2	4.343e2	1.49	NO	1.080e3	1.0120	1.0120	0.110
3	Total Penta-Furans	29.70	1.208e3	1.833e3	1.111e2	1.458e2	0.76	YES	0.000e0	0.00000	0.17118	0.110
4	Total Penta-Furans	29.82	2.718e3	1.757e3	1.345e2	1.283e2	1.05	YES	0.000e0	0.00000	0.20726	0.110
5	1,2,3,7,8-PeCDF	30.02	2.420e4	1.804e4	1.292e3	9.440e2	1.37	NO	2.236e3	2.0962	2.0962	0.109
6	Total Penta-Furans	30.24	1.053e4	5.277e3	5.491e2	3.227e2	1.70	NO	8.718e2	0.81672	0.81672	0.110
7	2,3,4,7,8-PeCDF	30.99	1.065e4	5.530e3	5.735e2	3.462e2	1.66	NO	9.197e2	0.78682	0.78682	0.101

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

Last Altered: Wednesday, June 02, 2021 16:07:23 Pacific Daylight Time
 Printed: Wednesday, June 02, 2021 16:07:43 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430, Task: ST210525D2-1

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.30	1.931e3	1.624e3	1.429e2	1.089e2	1.31	NO	2.519e2	0.28216	0.28216	0.227
2	Total Hexa-Furans	32.49	7.534e3	7.099e3	5.388e2	4.404e2	1.22	NO	9.791e2	1.0969	1.0969	0.227
3	Total Hexa-Furans	33.16	6.932e3	5.443e3	4.485e2	3.470e2	1.29	NO	7.956e2	0.89127	0.89127	0.227
4	1,2,3,4,7,8-HxCDF	33.64	3.316e4	2.440e4	2.286e3	1.871e3	1.22	NO	4.157e3	4.7615	4.7615	0.203
5	1,2,3,6,7,8-HxCDF	33.80	8.737e3	7.133e3	6.193e2	5.041e2	1.23	NO	1.123e3	1.1714	1.1714	0.187
6	2,3,4,6,7,8-HxCDF	34.52	2.757e3	1.744e3	1.154e2	9.813e1	1.18	NO	2.136e2	0.24059	0.24059	0.234
7	1,2,3,7,8,9-HxCDF	35.68	2.577e3	1.903e3	1.244e2	7.291e1	1.71	YES	1.973e2	0.00000	0.22126	0.335
8	Total Hexa-Furans	35.70	2.398e3	1.897e3	1.116e2	7.572e1	1.47	YES	0.000e0	0.00000	0.19001	0.227

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	37.27	8.250e3	7.972e3	8.775e2	7.805e2	1.12	NO	1.658e3	3.0001	3.0001	0.362
2	Total Hepta-Furans	37.89	6.670e3	7.871e3	7.194e2	6.967e2	1.03	NO	1.416e3	2.7925	2.7925	0.477
3	1,2,3,4,7,8,9-HpCDF	39.35	1.695e3	1.711e3	2.045e2	1.851e2	1.10	NO	3.896e2	0.82491	0.82491	0.601

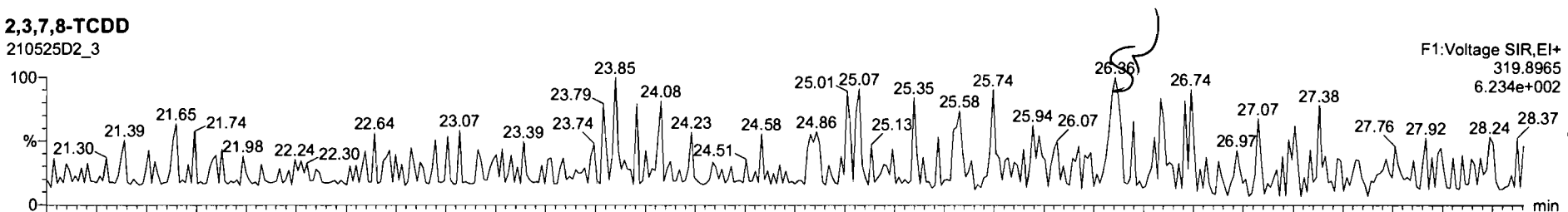
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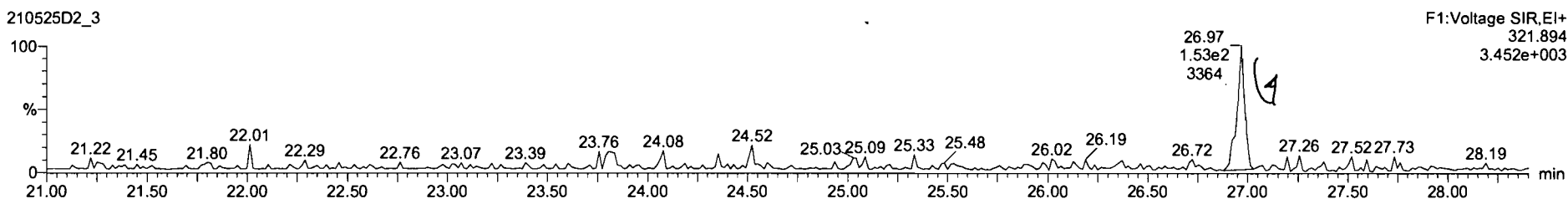
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Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430

2,3,7,8-TCDD
210525D2_3



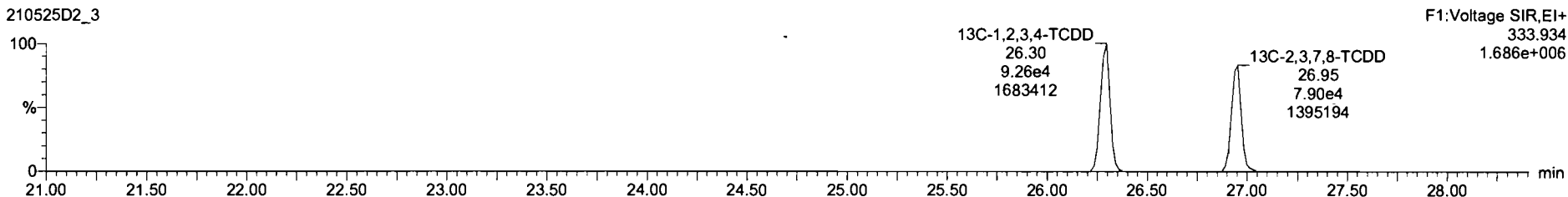
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13C-2,3,7,8-TCDD
210525D2_3



210525D2_3



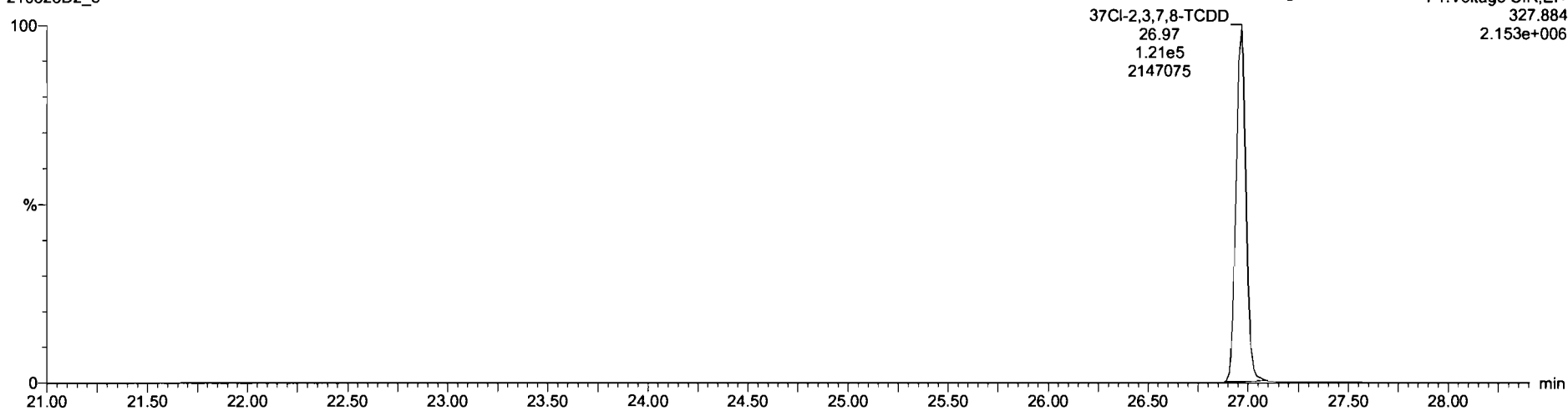
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Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430

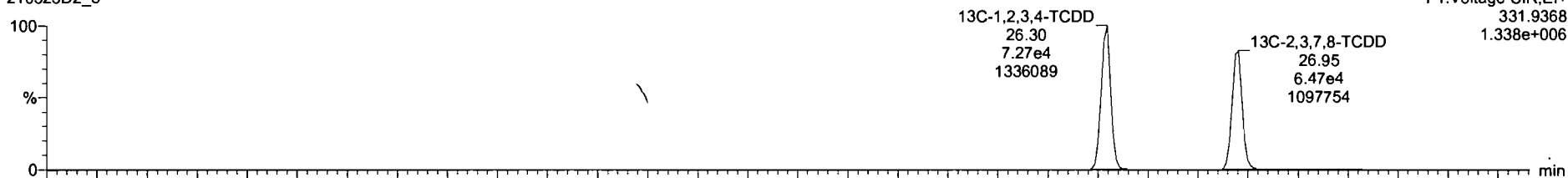
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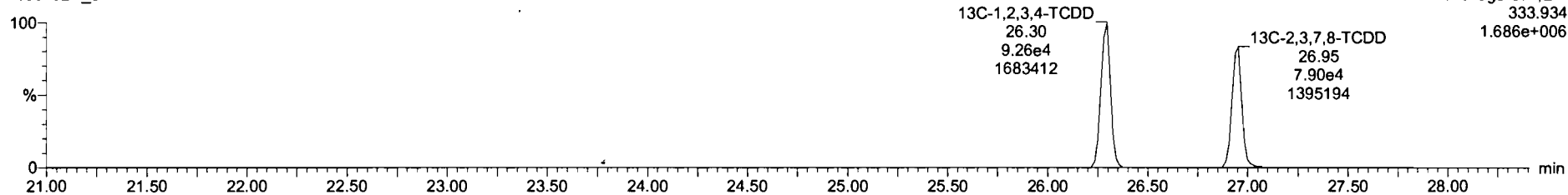


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210525D2_3



210525D2_3



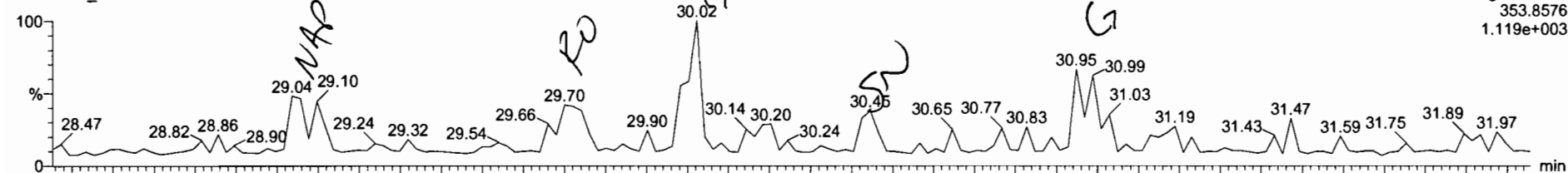
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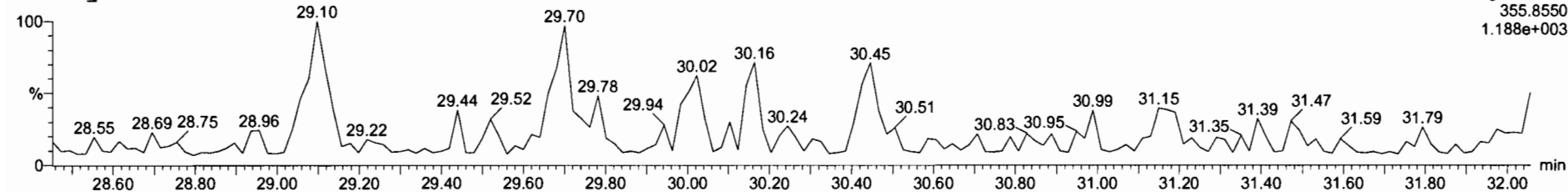
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1,2,3,7,8-PeCDD

210525D2_3



210525D2_3

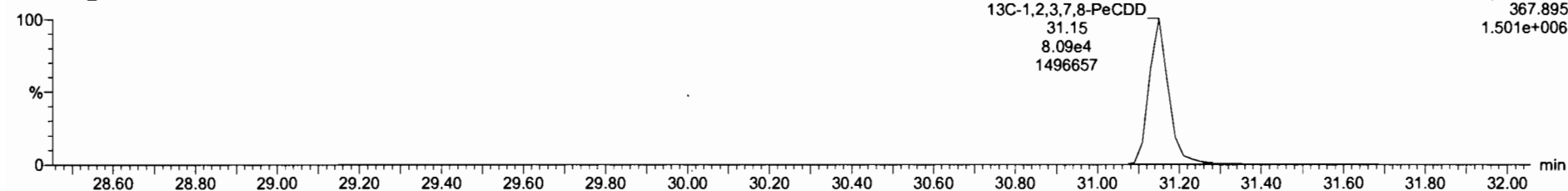


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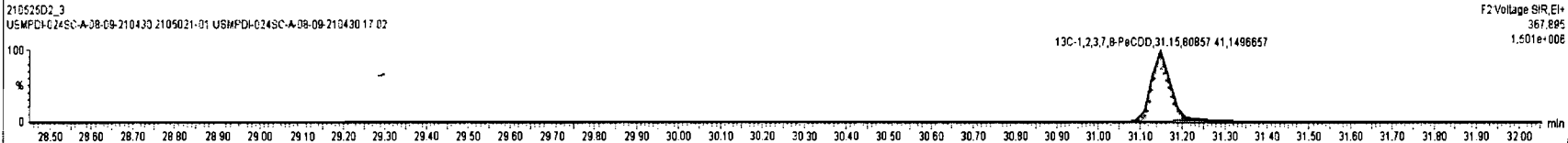
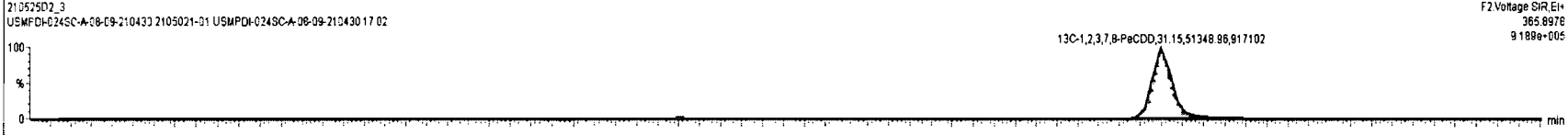
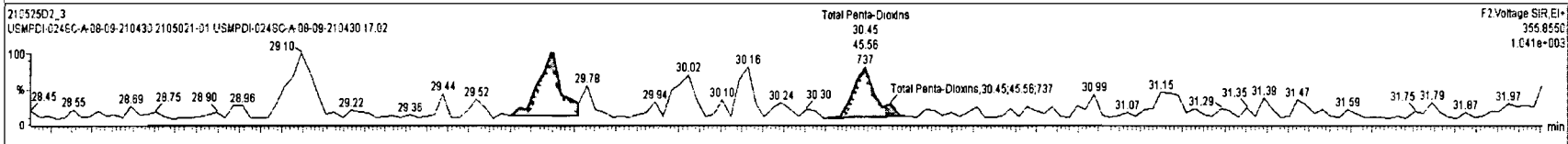
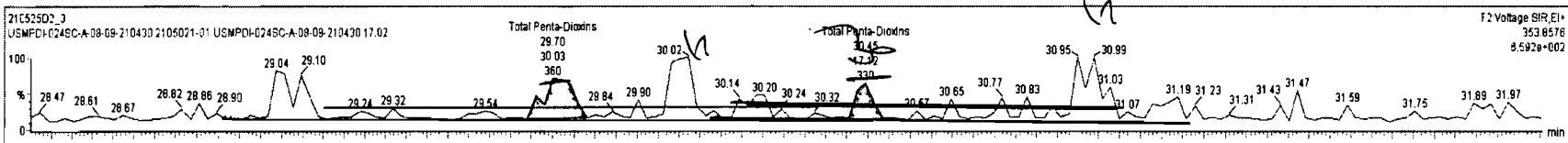


210525D2_3



#	Name	Resp	RA	n/y	RF	wt/nd	RT	RRT	Conc.	%Rec	DL	EMPC
23	13C-1,2,3,4,6,7,8-HxCDD	7.87e4	1.04	NO	0.58	10.022	30.59	1.130	133	66.6	0.935	
24	13C-OCDD	9.29e4	0.88	NO	0.45	10.022	42.46	1.244	203	50.8	1.73	
25	13C-2,3,7,8-TCDF	2.44e5	0.74	NO	1.09	10.022	26.36	1.002	130	65.4	0.245	
26	13C-1,2,3,7,8-PeCDF	2.24e5	1.66	NO	0.80	10.022	30.00	1.141	183	81.5	0.572	
27	13C-2,3,4,7,8-PeCDF	2.25e5	1.60	NO	0.79	10.022	30.97	1.178	185	82.9	0.582	
28	13C-1,2,3,4,7,8-HxCDF	1.67e5	0.49	NO	1.00	10.022	33.63	0.986	165	82.7	0.814	
29	13C-1,2,3,6,7,8-HxCDF	1.78e5	0.50	NO	1.03	10.022	33.78	0.990	171	85.5	0.789	
30	13C-2,3,4,6,7,8-HxCDF	1.59e5	0.49	NO	0.94	10.022	34.50	1.011	156	83.3	0.863	
31	13C-1,2,3,7,8,9-HxCDF	1.34e5	0.48	NO	0.85	10.022	35.64	1.044	155	77.7	0.952	

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	30.45	1.712e1	4.556e1	0.38	YES	0.075878	0.00000
2	Total Penta-Dioxins	29.70	3.003e1	8.024e1	0.50	YES	0.13309	0.00000

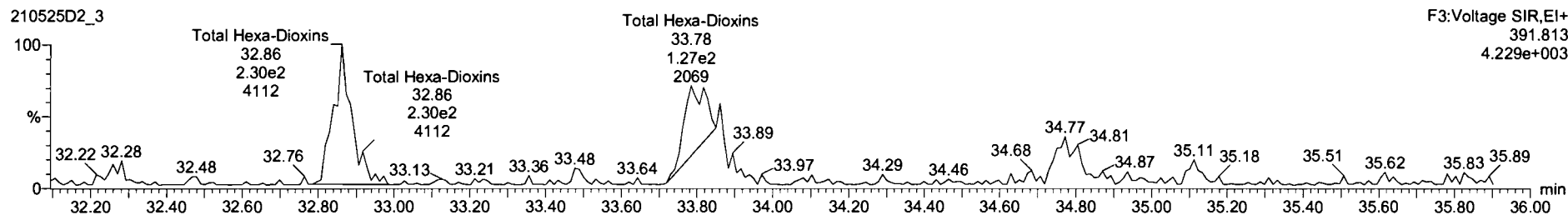
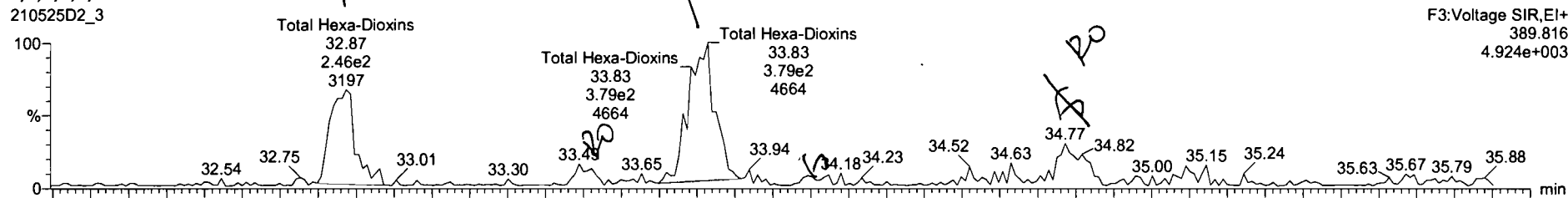


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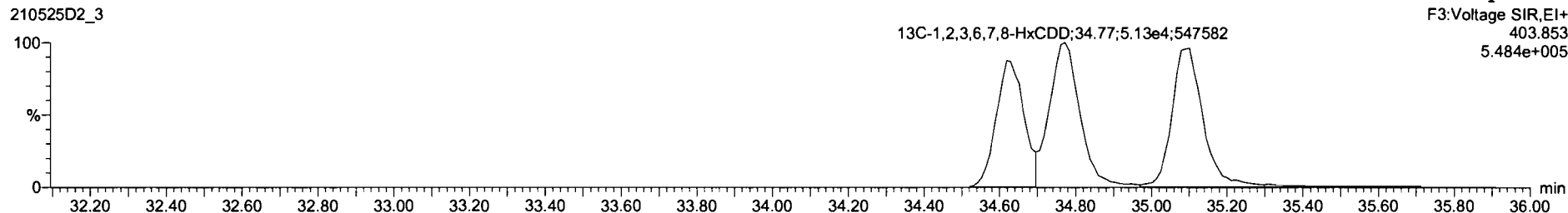
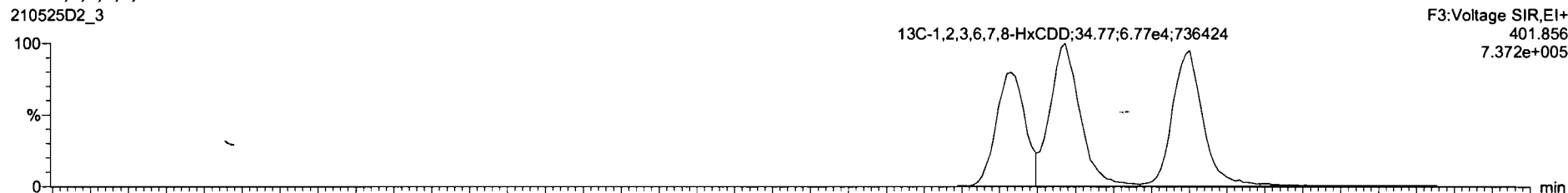
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Printed: Wednesday, May 26, 2021 12:22:14 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430

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

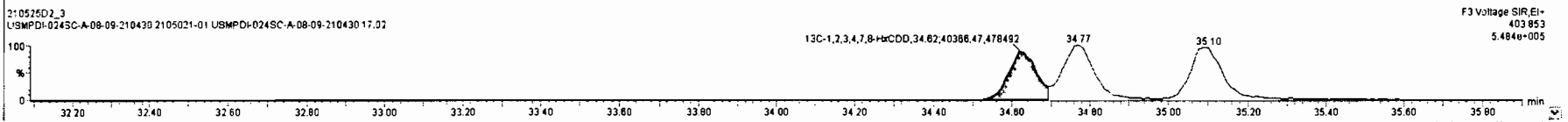
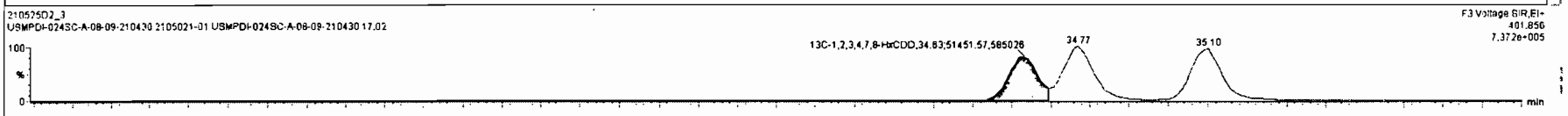
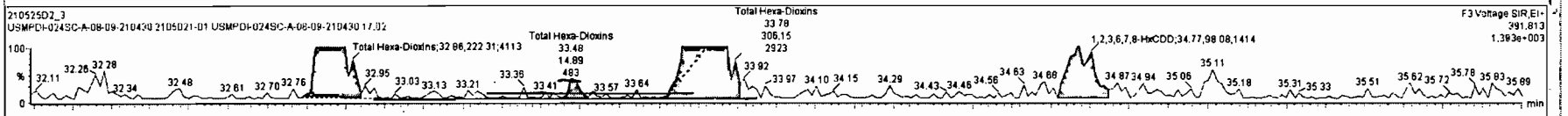
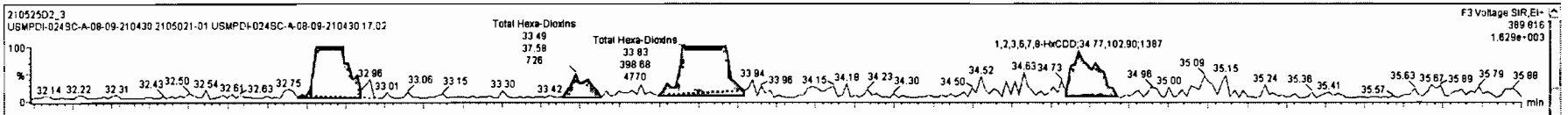


13C-1,2,3,4,7,8-HxCDD



#	Name	Resp	RA	n/y	RFI	wUnd	RT	RRT	Conc	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	2.24e5	1.66	NO	0.80	10.022	30.00	1.141	163	81.5	0.572	
27	13C-2,3,4,7,8-PeCDF	2.25e5	1.60	NO	0.79	10.022	30.97	1.178	165	82.9	0.582	
28	13C-1,2,3,4,7,8-HxCDF	1.67e5	0.49	NO	1.00	10.022	33.83	0.996	185	82.7	0.814	
29	13C-1,2,3,6,7,8-HxCDF	1.78e5	0.50	NO	1.03	10.022	33.78	0.890	171	85.5	0.786	
30	13C-2,3,4,6,7,8-HxCDF	1.59e5	0.48	NO	0.94	10.022	34.90	1.211	166	83.3	0.883	
31	13C-1,2,3,7,8,9-HxCDF	1.34e5	0.48	NO	0.85	10.022	35.64	1.044	155	77.7	0.952	
32	13C-1,2,3,4,6,7,8-HxCDF	9.51e4	0.41	NO	0.73	10.022	37.28	1.092	129	84.6	0.814	
33	13C-1,2,3,4,7,8,9-HxCDF	7.94e4	0.42	NO	0.61	10.022	39.31	1.152	129	64.5	0.973	
34	13C-OCDF	1.43e5	0.92	NO	0.63	10.022	42.75	1.253	224	56.1	0.697	

#	Name	RT /	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	32.87	2.450e2	2.223e2	1.10	NO	0.85056	0.85056
2	Total Hexa-Dioxins	33.49	3.758e1	1.489e1	2.52	YES	0.060891	0.00000
3	Total Hexa-Dioxins	33.83	3.987e2	3.062e2	1.30	NO	1.2829	1.2829
4	1,2,3,6,7,8-HxCDD	34.77	1.029e2	9.808e1	1.05	YES	0.30823	0.00000



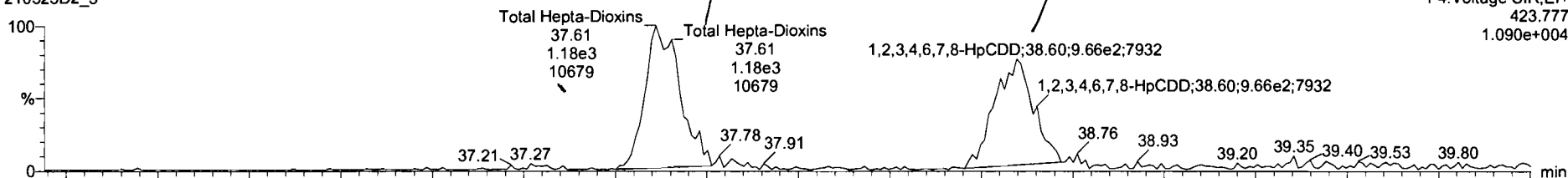
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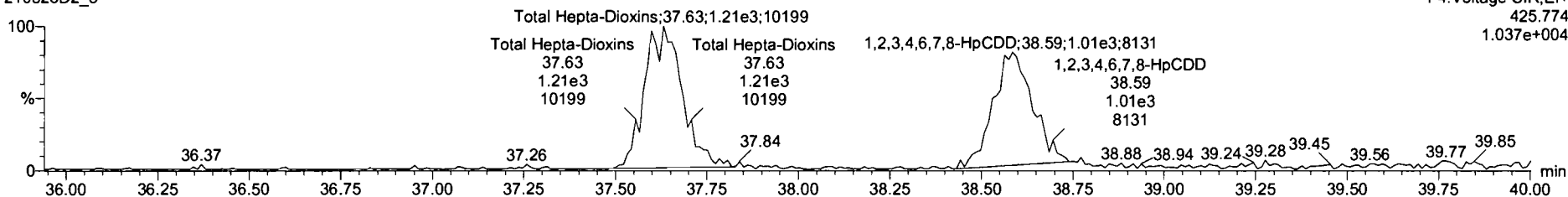
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1,2,3,4,6,7,8-HpCDD

210525D2_3

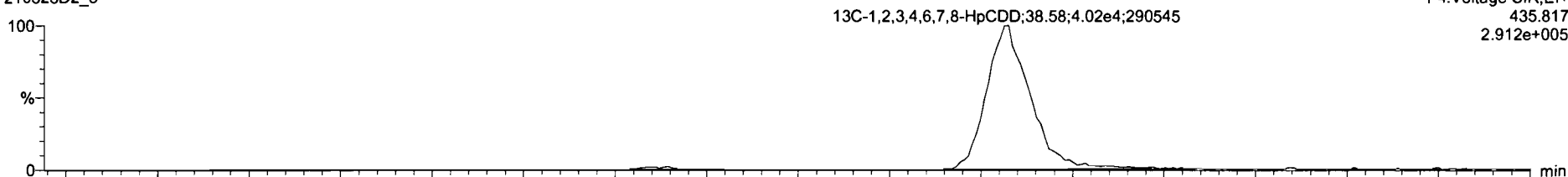


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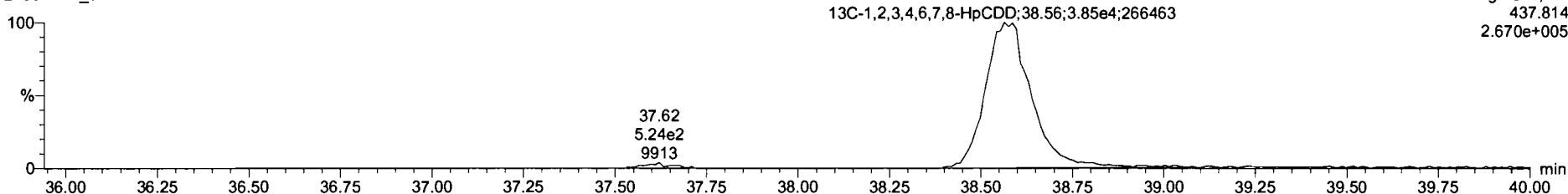


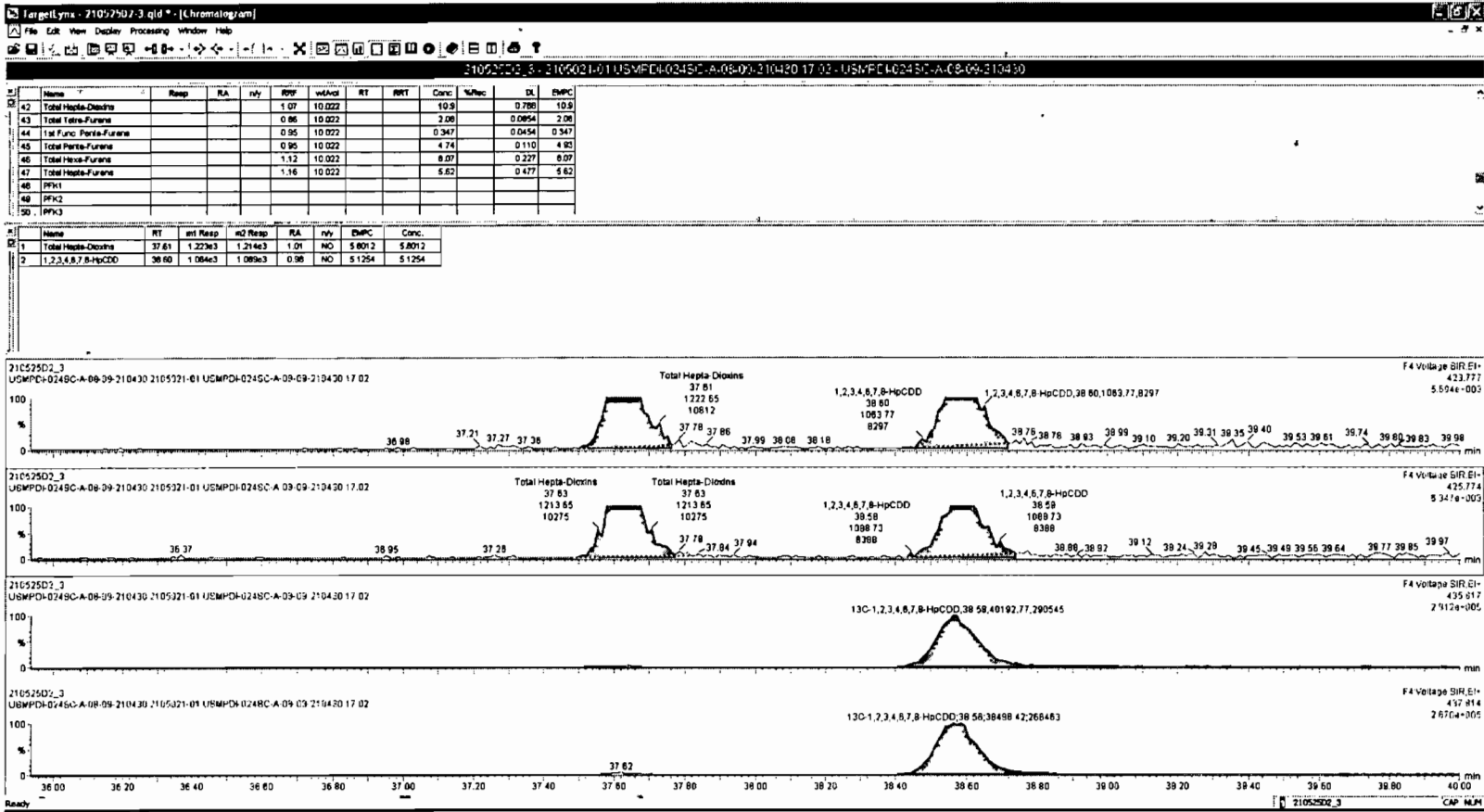
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210525D2_3

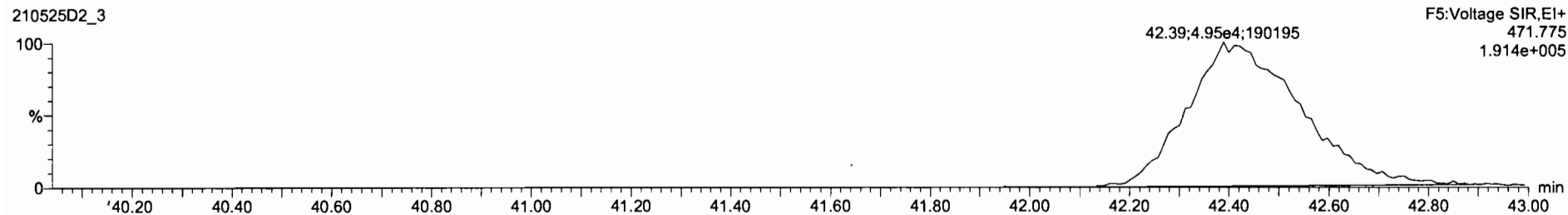
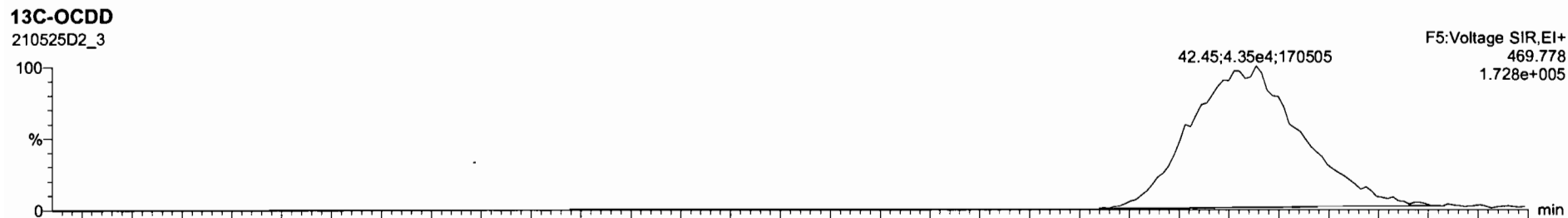
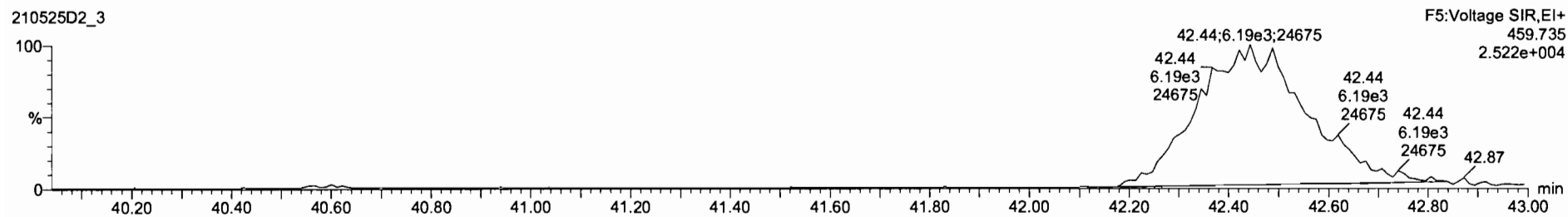
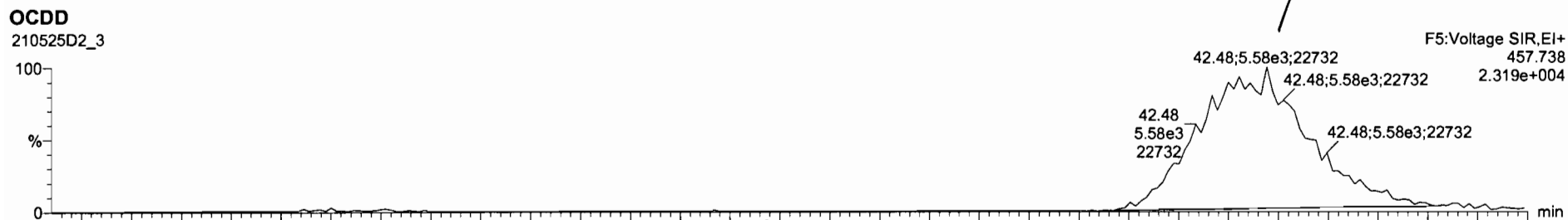




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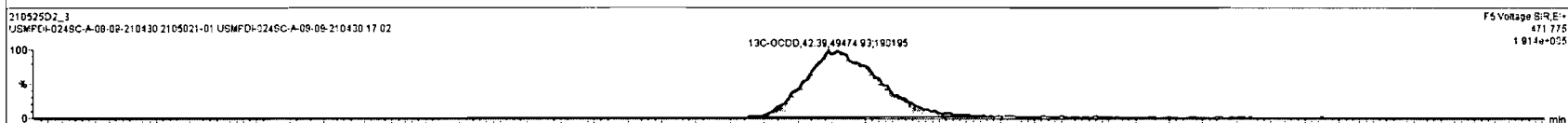
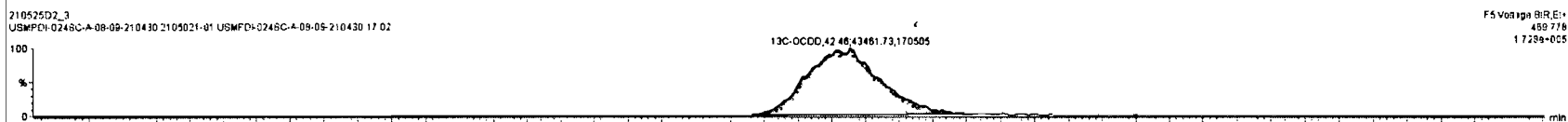
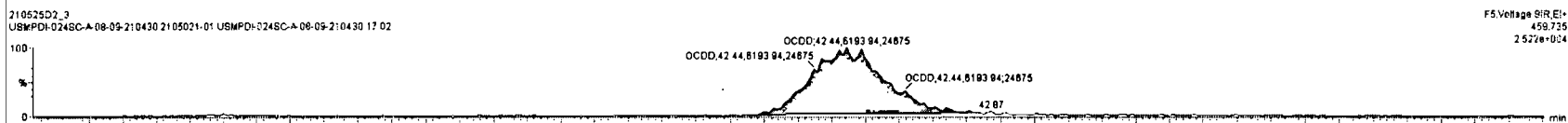
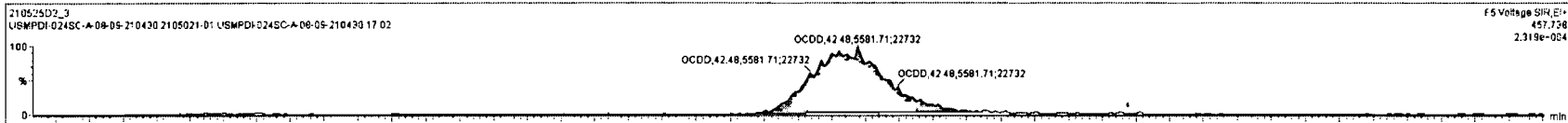
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210525D2_3 - 2105021-01 USMFDI-0245C-A-08-09-210430 17 02 - USMFDI-0245C-A-08-09-210430

Sl. #	Name	Resp	RA	nly	RPF	wtVol	RT	RRT	Conc.	%Rec	DL	BAPC
1	2,3,7,8-TCDD			NO	1.05	10.022					0.0865	
2	1,2,3,7,8-PeCDD			NO	0.88	10.022					0.119	
3	1,2,3,4,7,8-HxCDD			NO	1.14	10.022					-0.427	
4	1,2,3,6,7,8-HxCDD			NO	1.01	10.022					0.389	
5	1,2,3,7,8-HxCDD			NO	1.02	10.022					0.404	
6	1,2,3,4,6,7,8-HpCDD	1.98e3	0.98	NO	1.07	10.022	38.60	1.001	4.71		0.768	4.71
7	OCDD	1.18e4	0.90	NO	1.00	10.022	42.48	1.001	50.5		3.95	50.5
8	2,3,7,8-TCDF	8.29e2	0.87	NO	0.86	10.022	26.37	1.001	0.785		0.0854	0.785
9	1,2,3,7,8-PeCDF	2.26e3	1.36	NO	0.95	10.022	30.02	1.001	2.12		0.109	2.12
10	2,3,4,7,8-PeCDF	9.29e2	1.62	NO	1.04	10.022	30.98	1.001	0.794		0.101	0.794
11	1,2,3,4,7,8-HxCDF	4.09e3	1.22	NO	1.04	10.022	33.64	1.000	4.68		0.203	4.68
12	1,2,3,6,7,8-HxCDF	1.14e3	1.29	NO	1.07	10.022	33.60	1.000	1.18		0.187	1.18
13	2,3,4,6,7,8-HxCDF			NO	1.12	10.022					0.234	
14	1,2,3,7,8,9-HxCDF			NO	1.10	10.022					0.335	
15	1,2,3,4,6,7,8-HpCDF	1.64e3	1.13	NO	1.18	10.022	37.27	1.000	2.96		0.382	2.96

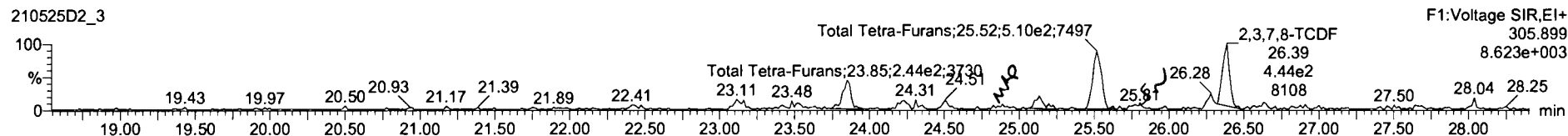
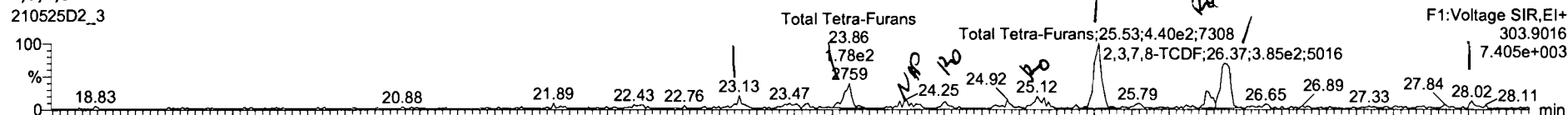


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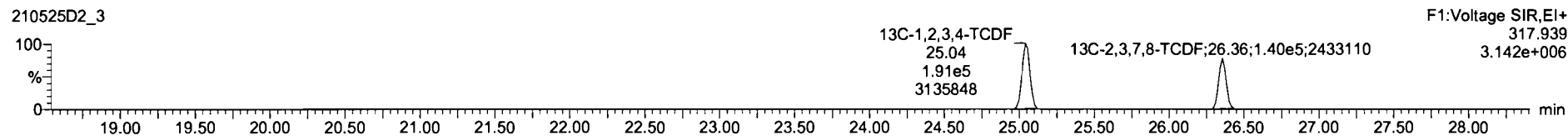
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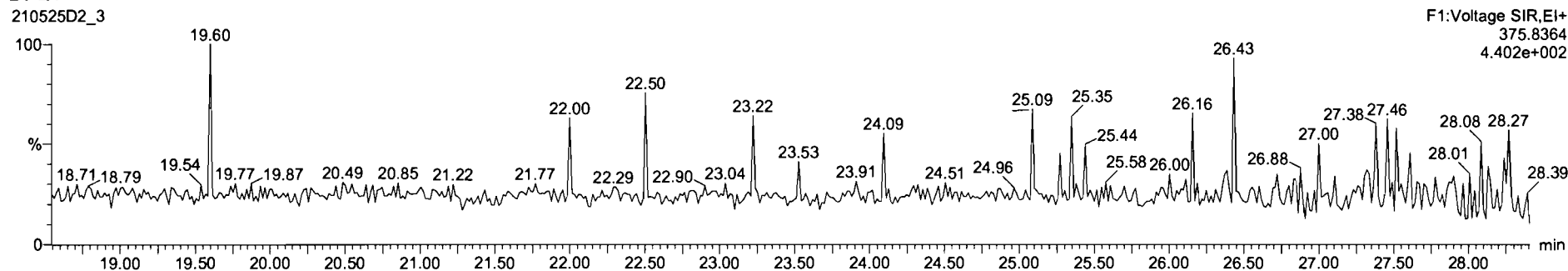
2,3,7,8-TCDF



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

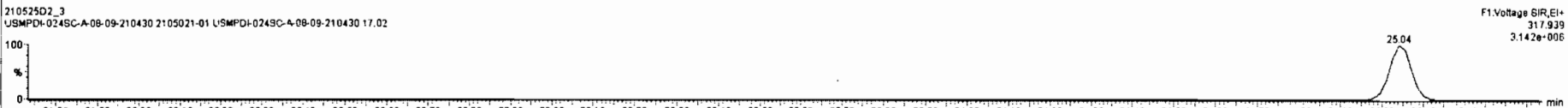
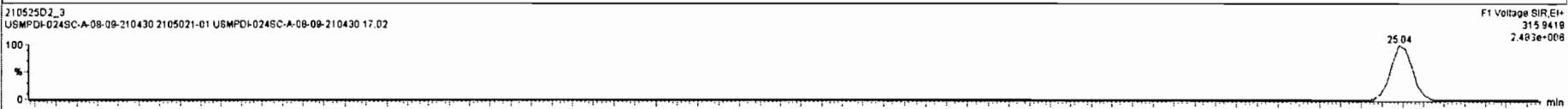
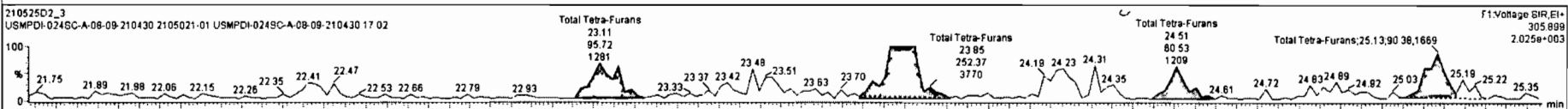
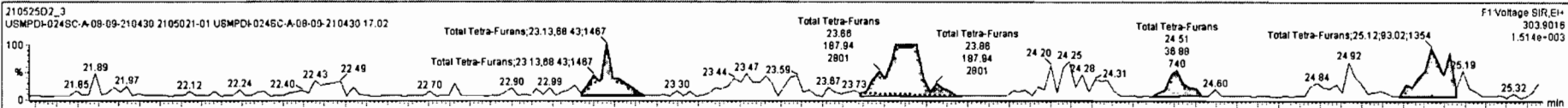


DPE1



Name	Resp	RA	n/y	RRF	wtAol	RT	RR1	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins			1.07	10.022			10.9		0.788	10.9
43	Total Tetra-Furans			0.86	10.022			2.30		0.0854	2.77
44	1st Func. Penta-Furans			0.95	10.022			0.347		0.0454	0.347
45	Total Penta-Furans			0.95	10.022			4.74		0.110	4.83
46	Total Hexa-Furans			1.12	10.022			8.07		0.227	8.07
47	Total Hepta-Furans			1.16	10.022			5.62		0.477	5.62
48	PFK1										
49	PFK2										
50	PFK3										

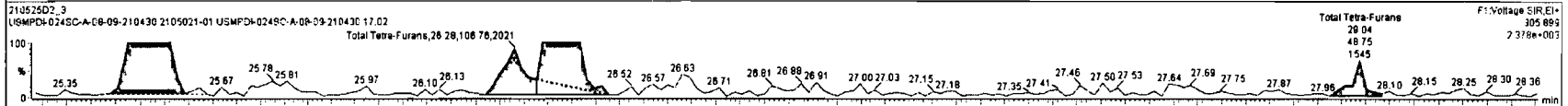
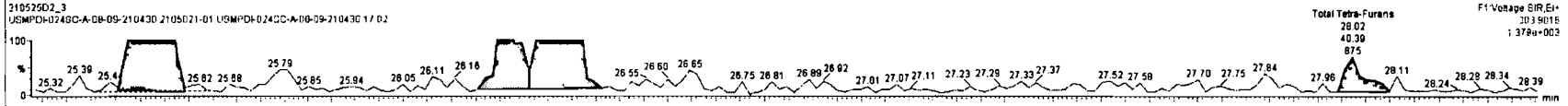
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	23.13	6.843e1	9.572e1	0.71	NO	0.15540
2	Total Tetra-Furans	23.86	1.879e2	2.524e2	0.74	NO	0.41684
3	Total Tetra-Furans	24.51	3.698e1	6.053e1	0.61	YES	0.090257
4	Total Tetra-Furans	25.12	9.302e1	9.039e1	1.03	YES	0.15144
5	Total Tetra-Furans	25.53	4.396e2	5.095e2	0.85	NO	0.89856
6	Total Tetra-Furans	26.25	1.054e2	1.043e2	1.01	YES	0.17481
7	2,3,7,8-TCDF	26.37	3.855e2	4.858e2	0.79	NO	0.82487
8	Total Tetra-Furans	28.02	3.832e1	4.205e1	0.91	YES	0.070461



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Name	Resp	RA	nV	RRF	wtAvcl	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins			1.07	10.022				10.8		0.768	10.9
43 Total Tetra-Furans			0.86	10.022				2.37		0.0854	2.78
44 1st Func. Penta-Furans			0.95	10.022				0.347		0.0454	0.347
45 Total Penta-Furans			0.95	10.022				4.74		0.110	4.93
46 Total Hexa-Furans			1.12	10.022				8.07		0.227	8.27
47 Total Hepta-Furans			1.18	10.022				5.62		0.477	5.62
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	wt Resp	n2 Resp	RA	nV	EMPC	Conc.
1 Total Tetra-Furans	23.13	6.843e1	9.572e1	0.71	NO	0.15540	0.15540
2 Total Tetra-Furans	23.86	1.879e2	2.524e2	0.74	NO	0.41684	0.41684
3 Total Tetra-Furans	24.51	3.689e1	6.053e1	0.61	YES	0.080257	0.00000
4 Total Tetra-Furans	25.12	9.302e1	9.038e1	1.03	YES	0.15144	0.00000
5 Total Tetra-Furans	25.53	4.798e2	5.022e2	0.96	NO	0.89237	0.89237
6 Total Tetra-Furans	26.25	1.054e2	1.059e2	0.99	YES	0.11950	0.00000
7 2,3,7,8-TCDF	28.37	3.855e2	4.946e2	0.78	NO	0.83318	0.83318
8 Total Tetra-Furans	28.02	4.030e1	4.875e1	0.83	NO	0.084308	0.084308



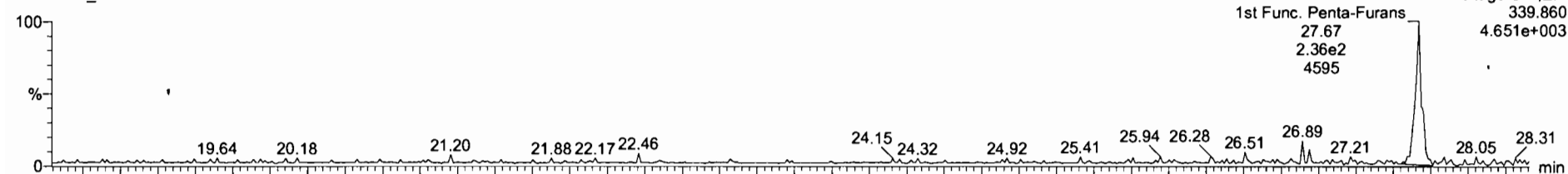
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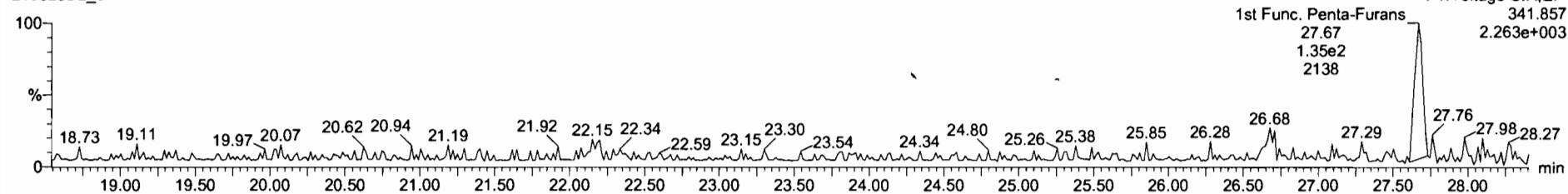
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1st Func. Penta-Furans

210525D2_3

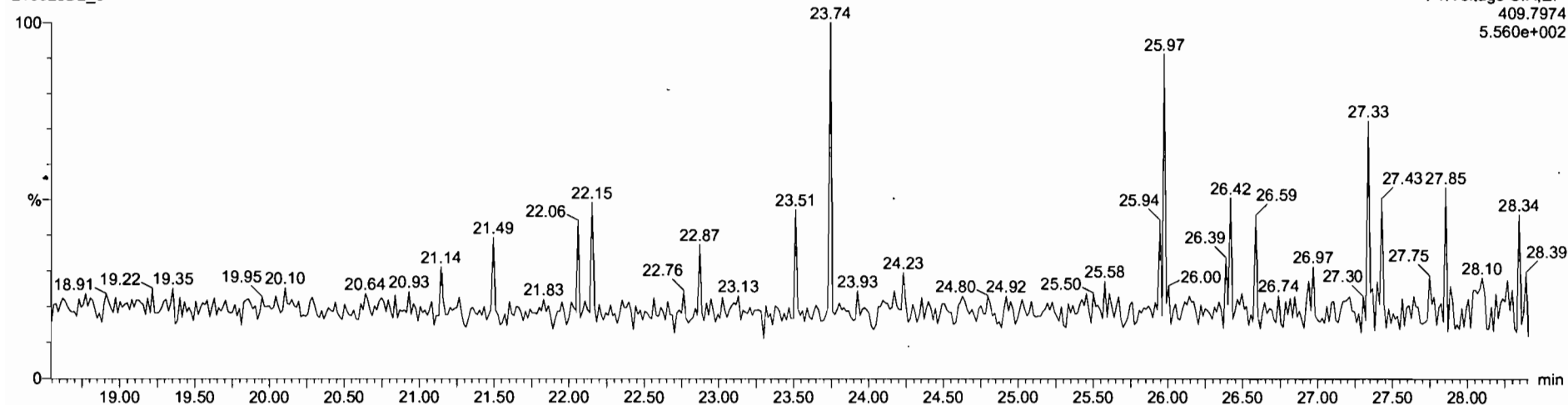


210525D2_3



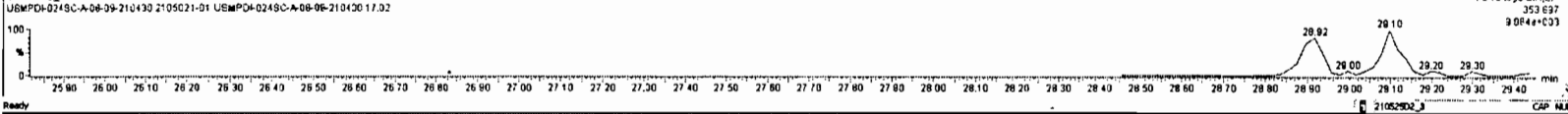
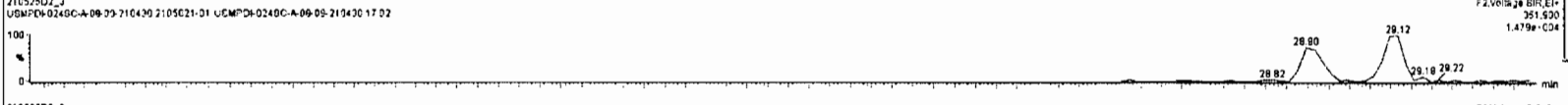
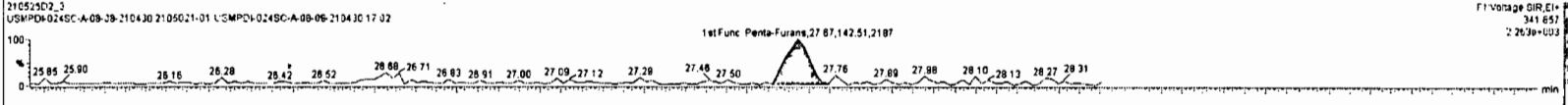
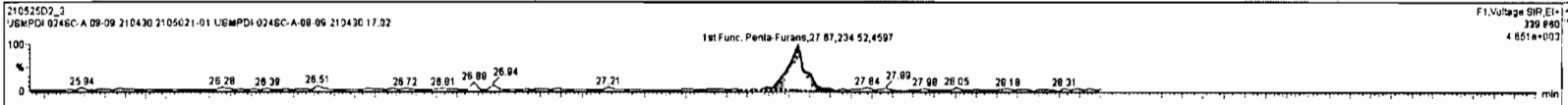
DPE6

210525D2_3



Name	Resp	RA	n/y	RFV	m/n/d	RT	RFI	Conc.	uMol	DL	EMPC
33 13C-1,2,3,4,7,8,9-HeCDF	7.94e4	0.42	NO	0.61	10.022	30.31	1.152	179	64.5	0.973	
34 13C-OCDF	1.43e5	0.92	NO	0.83	10.022	42.75	1.263	224	66.1	0.807	
35 37Cl-2,3,7,8-TCDD	1.21e5			2.22	10.022	26.97	1.028	65.7	62.3	0.0302	
36 13C-1,2,3,4-TCDD	1.85e5	0.78	NO	1.00	10.022	26.30	1.000	200	100	0.278	
37 13C-1,2,3,4-TCDF	3.42e5	0.79	NO	1.00	10.022	26.04	1.000	200	100	0.268	
38 13C-1,2,3,4,6,8-HeCDF	2.03e5	0.51	NO	1.00	10.022	34.13	1.000	200	100	0.811	
39 Total Tetra-Dioxins				1.05	10.022					0.0465	
40 Total Penta-Dioxins				0.88	10.022			0.000		0.0672	0.133
41 Total Hexa-Dioxins				1.01	10.022			2.13		0.422	2.50
42 Total Hepta-Dioxins				1.07	10.022			10.8		0.788	10.9
43 Total Tetra-Furans				0.86	10.022			2.37		0.0854	2.78

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1st Func. Penta-Furans	27.67	2.345e2	1.425e2	1.65	NO	0.35321	0.35321

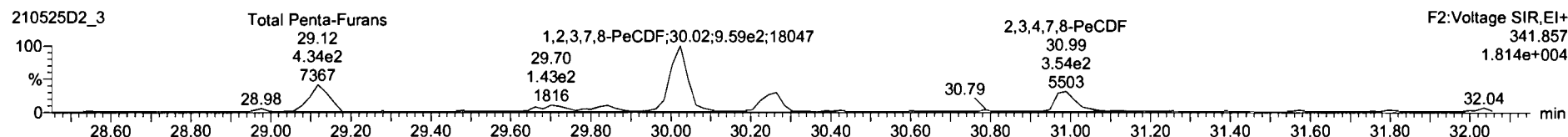
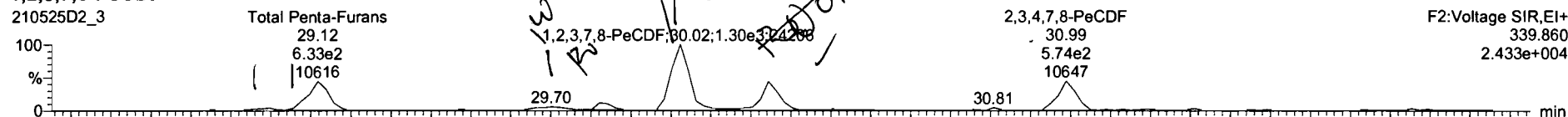


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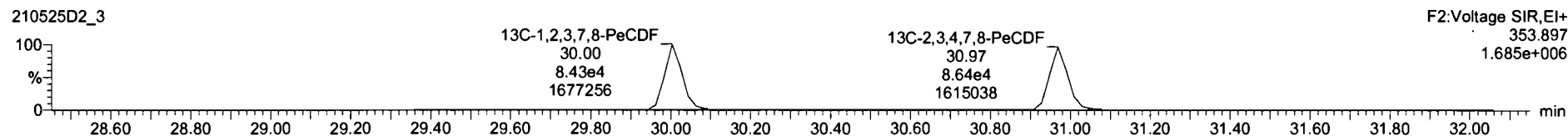
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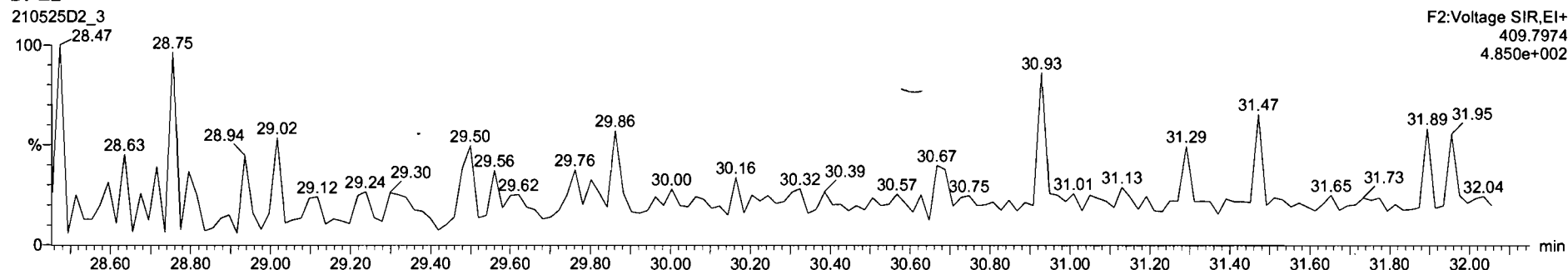
1,2,3,7,8-PeCDF



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



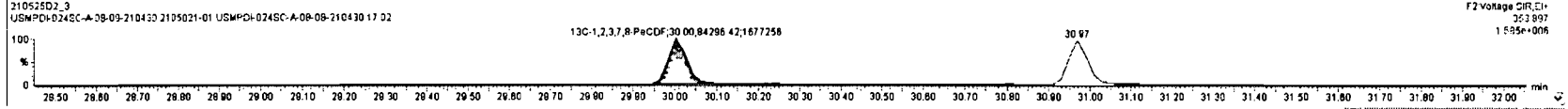
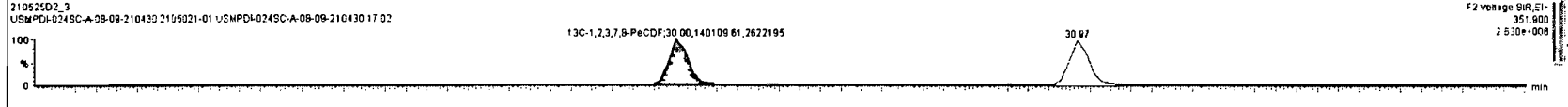
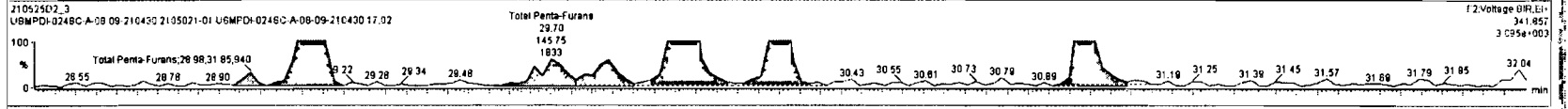
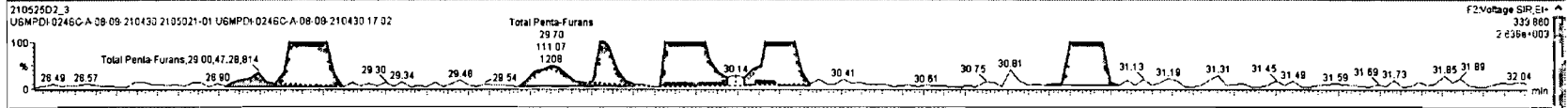
DPE2



21052502_3 - 21052502-01 USMPDI-0248C-A-08-09-210430 17.02 - USMPDI-0248C-A-08-09-210430

Name	Resp	RA	rvy	RPF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.95	10.022			4.79	0.110	5.18	
46 Total Hexa-Furans				1.12	10.022			8.07	0.227	8.07	
47 Total Hepta-Furans				1.18	10.022			5.82	0.477	5.82	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											

Name	RT	wt Resp	m2 Resp	RA	rvy	EMPC	Conc
1 2,3,4,7,8-PeCDF	30.99	5.735e2	3.482e2	1.68	NO	0.78692	0.78692
2 Total Penta-Furans	30.24	5.491e2	3.227e2	1.70	NO	0.81672	0.81672
3 1,2,3,7,8-PeCDF	30.02	1.292e3	8.446e2	1.37	NO	2.0882	2.0882
4 Total Penta-Furans	29.82	1.345e2	1.263e2	1.05	YES	0.20726	0.00000
5 Total Penta-Furans	29.12	6.480e2	4.243e2	1.48	NO	1.0120	1.0120
6 Total Penta-Furans	29.70	1.111e2	1.456e2	0.76	YES	0.17118	0.00000
7 Total Penta-Furans	29.00	4.728e1	3.195e1	1.48	NO	0.074138	0.074138

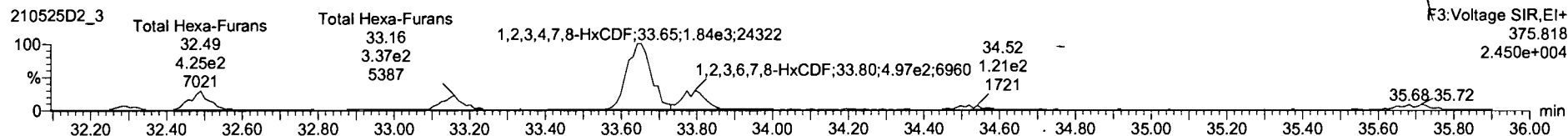
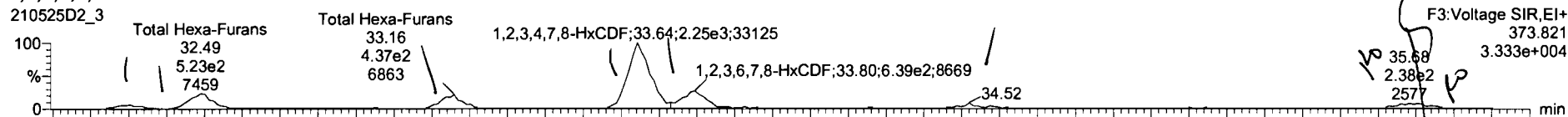


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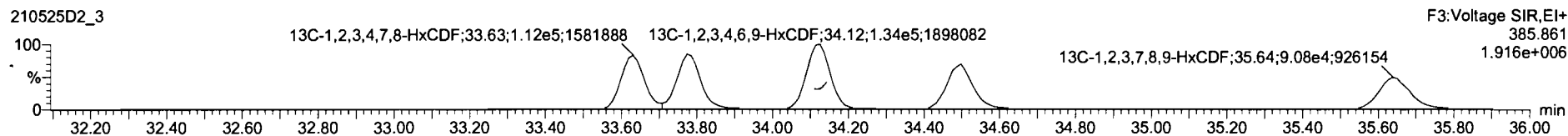
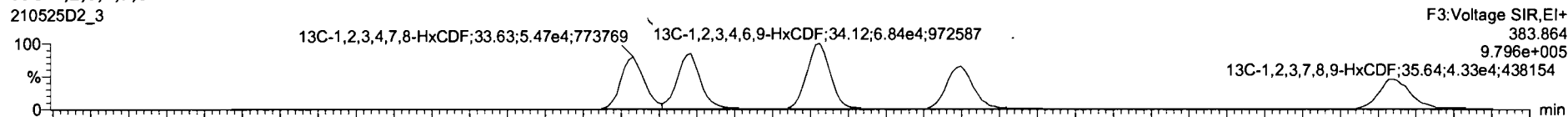
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Printed: Wednesday, May 26, 2021 12:22:14 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430

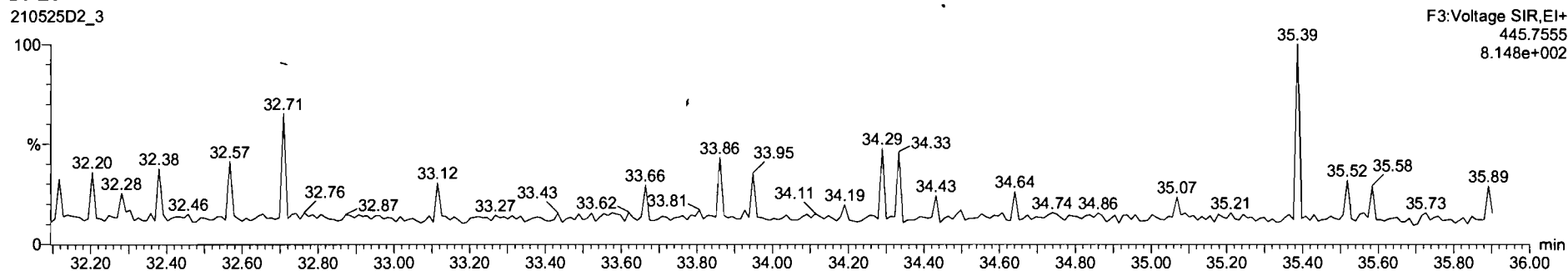
1,2,3,4,7,8-HxCDF



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



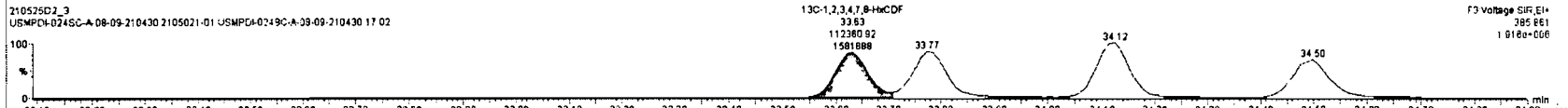
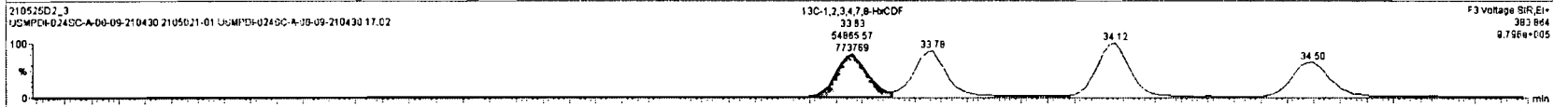
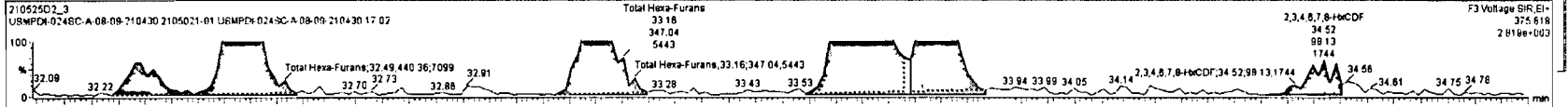
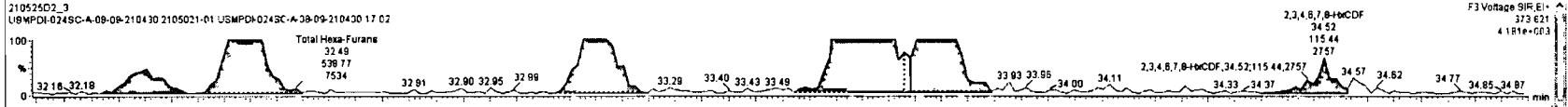
DPE3



21052502_3 - 210502101 USMPCD-0245C-A-08-09-210430 17 02 - USMPCD-0245C-A-08-09-210430

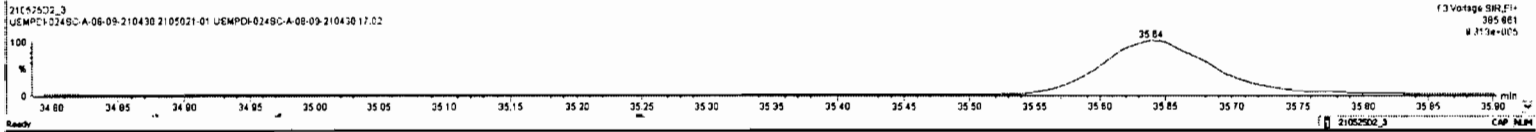
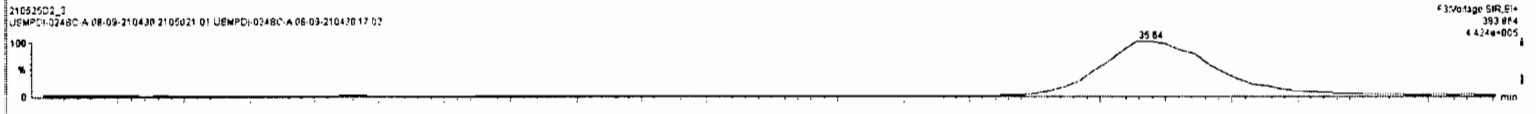
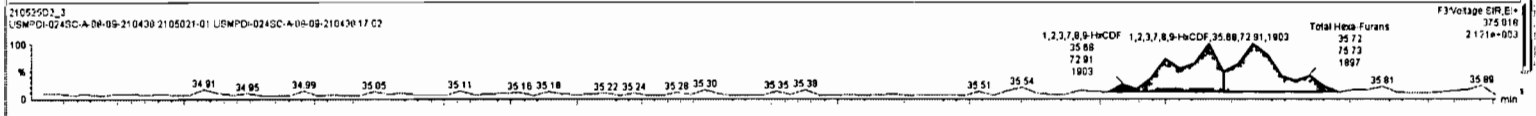
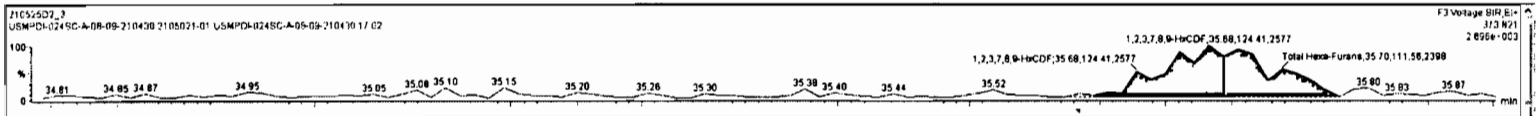
Name	Resp	RA	nly	RRF	wtWgt	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.95	10.022			4.79	0.110	5.16	
46 Total Hexa-Furans				1.12	10.022			8.44	0.227	8.96	
47 Total Hepta-Furans				1.18	10.022			5.82	0.477	5.82	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	wt Resp	nc Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	35.70	1.116e2	7.572e1	1.47	YES	0.19001	0.00000
2 1,2,3,6,7,8-HxCDF	33.80	6.193e2	5.041e2	1.23	NO	1.1714	1.1714
3 1,2,3,4,7,8-HxCDF	33.64	2.286e3	1.871e3	1.22	NO	4.7815	4.7815
4 Total Hexa-Furans	33.16	4.485e2	3.470e2	1.29	NO	0.89127	0.89127
5 Total Hexa-Furans	32.49	5.389e2	4.404e2	1.22	NO	1.0289	1.0289
6 Total Hexa-Furans	32.30	1.429e2	1.089e2	1.31	NO	0.28216	0.28216
7 1,2,3,7,8-HxCDF	35.88	1.244e3	7.291e1	1.71	YES	0.22126	0.00000
8 2,3,4,6,7,8-HxCDF	34.52	1.154e2	9.813e1	1.18	NO	0.24058	0.24058



Name	Resp	RA	RV	RWF	Method	RT	RPT	Conc	%Rec	DL	EMPC
45 Total Hexa-Furans				0.85	10.022			4.70	0.110	5.16	
46 Total Hexa-Furans				1.12	10.022			8.44	0.227	8.89	
47 Total Hexa-Furans				1.16	10.022			5.62	0.477	5.62	
48 PPK1											
49 PPK2											
50 PPK3											

Name	RT	Int Resp	Int Resp	RA	RV	EMPC	Conc
1 Total Hexa-Furans	32.30	1.429e2	1.099e2	1.31	NO	0.26216	0.26216
2 Total Hexa-Furans	32.49	5.308e2	4.404e2	1.22	NO	1.0909	1.0909
3 Total Hexa-Furans	33.16	4.485e2	3.475e2	1.29	NO	0.80127	0.80127
4 1,2,3,7,8-HxCDF	33.84	2.286e3	1.871e3	1.22	NO	4.7815	4.7815
5 1,2,3,7,8-HxCDF	33.80	8.193e2	5.041e2	1.23	NO	1.1714	1.1714
6 2,3,4,6,7,8-HxCDF	34.52	1.154e2	9.813e1	1.18	NO	0.24059	0.24059
7 1,2,3,7,8-HxCDF	35.88	1.244e2	7.291e1	1.71	YES	0.22126	0.00000
8 Total Hexa-Furans	35.70	1.116e2	7.572e1	1.47	YES	0.19001	0.00000

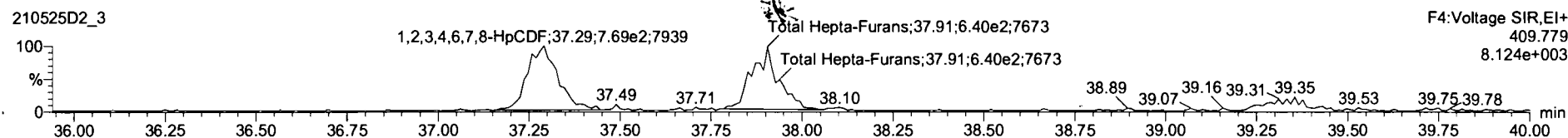
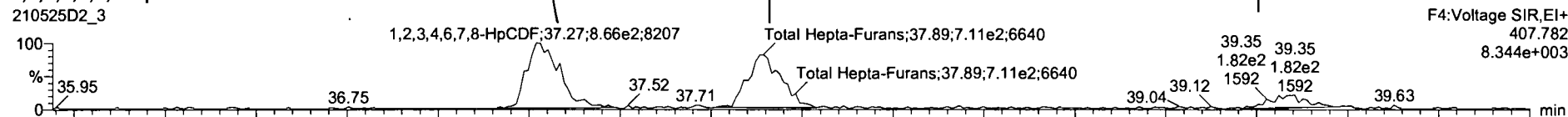


Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

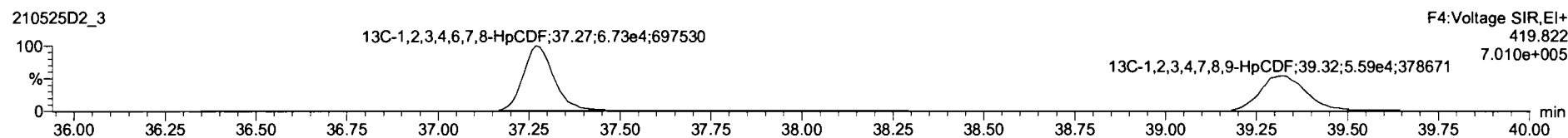
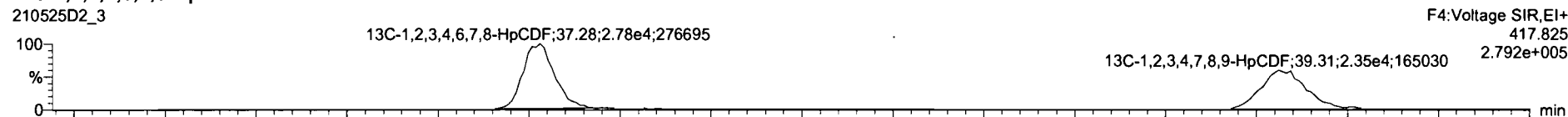
Last Altered: Wednesday, May 26, 2021 12:21:45 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:22:14 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430

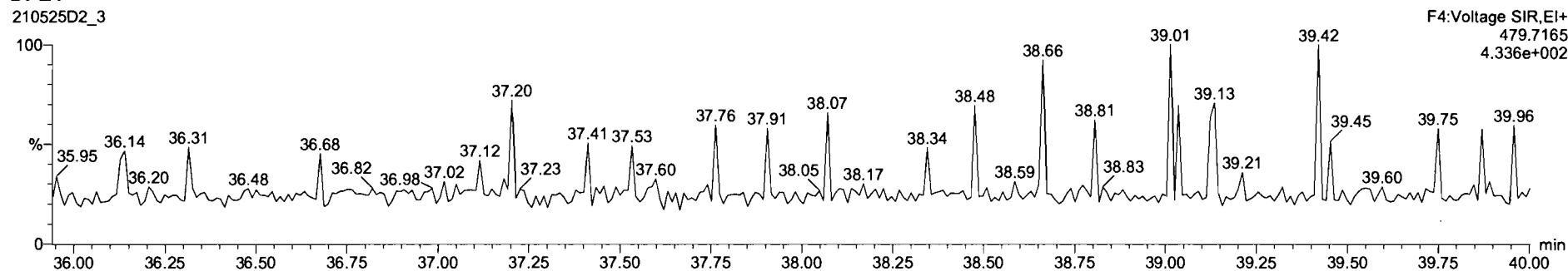
1,2,3,4,6,7,8-HpCDF



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



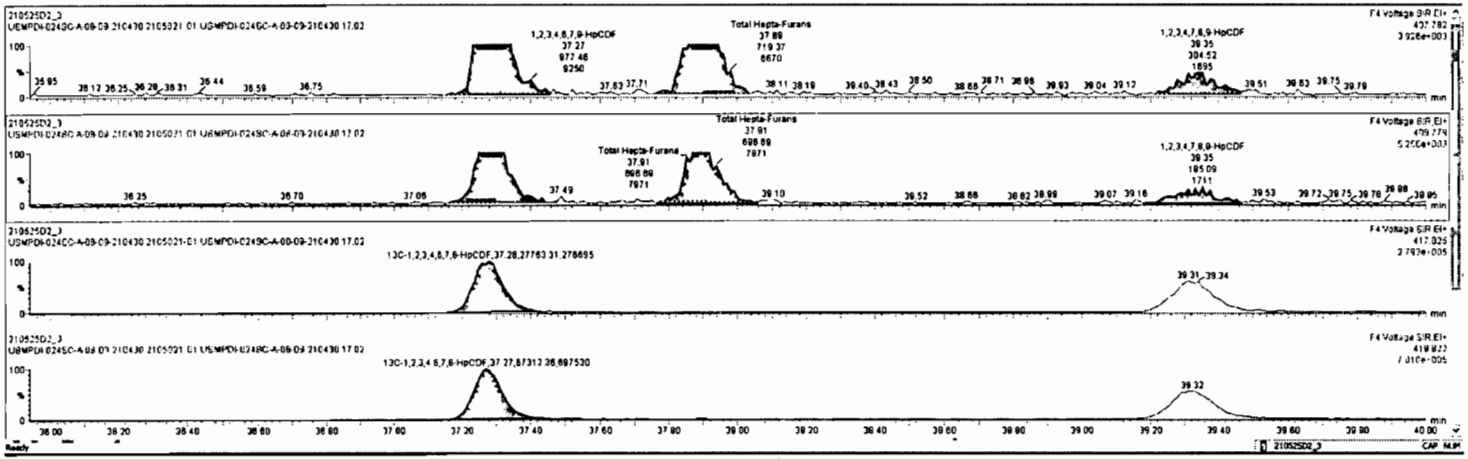
DPE4



2105202_3-2 26021-01 USMPC4-0245C-A-08-09-210430 17:02 - USMPC4-0245C-A-08-09-210430

Name	Resp	RA	rvj	RF	uValue	RT	RRT	Conc	uRec	DL	EMPC
45	Total Penta-Furans			0.85	10.022			4.76		0.110	5.18
46	Total Hexa-Furans			1.12	10.022			8.44		0.227	8.86
47	Total Hepta-Furans			1.18	10.022			8.62		0.477	8.62
48	PF1										
49	PF2										
50	PF3										

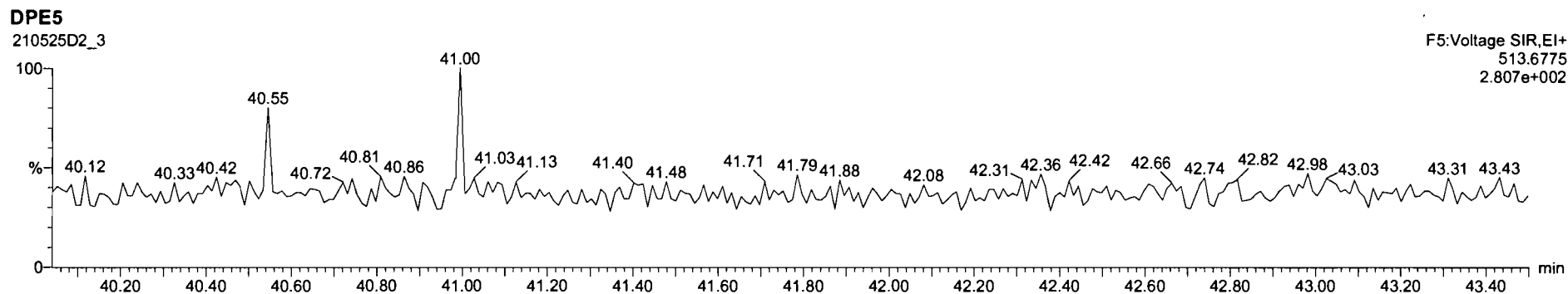
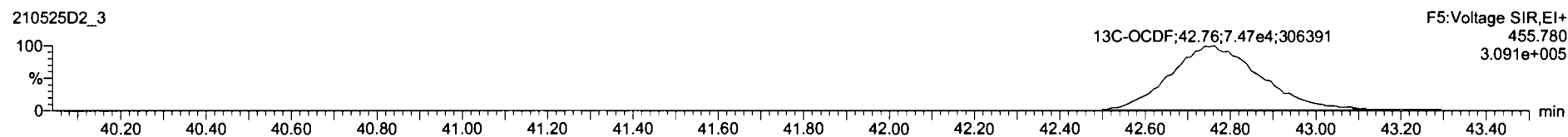
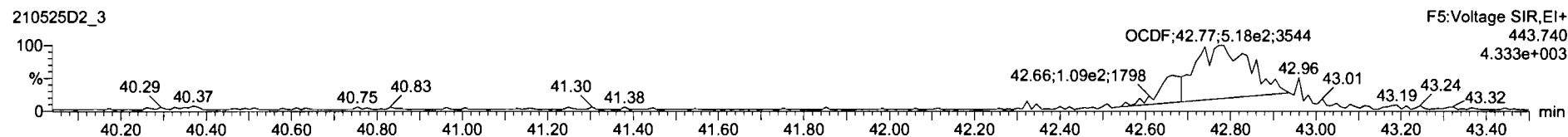
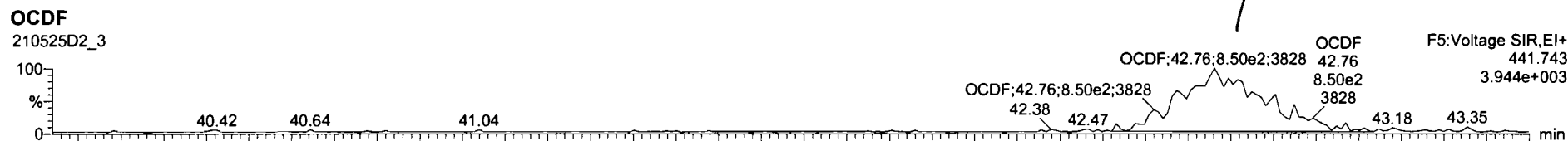
Name	RT	Int Resp	uC Resp	RA	rvj	EMPC	Conc
1	1,2,3,4,6,7,8-HpCDF	37.27	8.775e2	7.805e2	1.12	NO	3.0001
2	Total Hepta-Furans	37.89	7.194e2	6.867e2	1.03	NO	2.7925
3	1,2,3,4,7,8,9-HpCDF	38.35	2.045e2	1.851e2	1.10	NO	0.82491



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

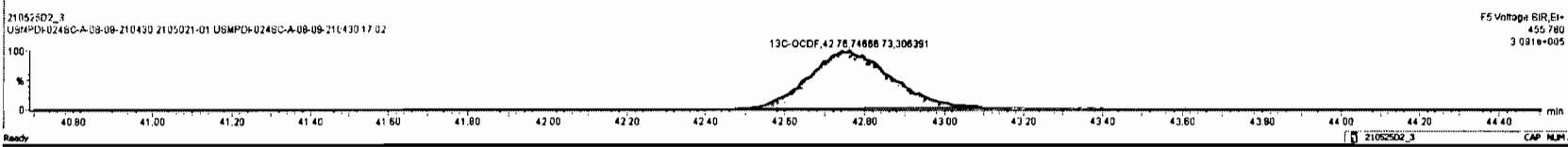
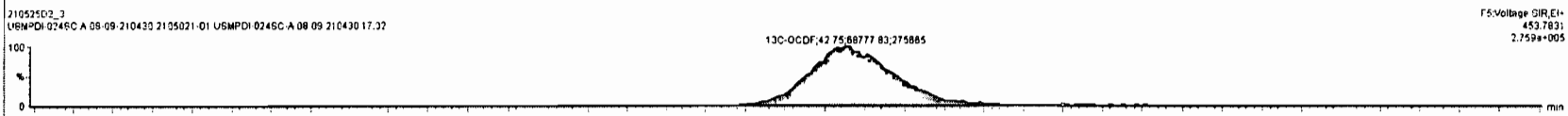
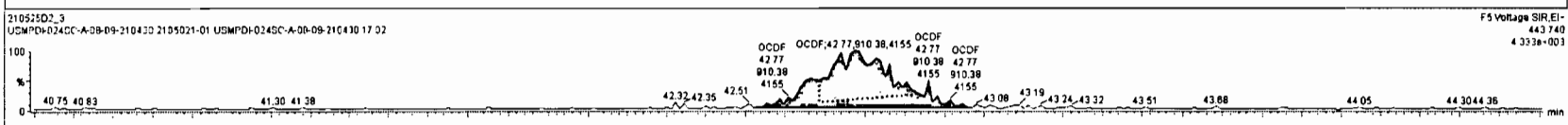
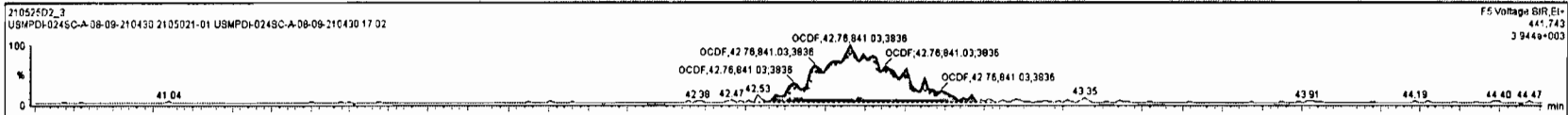
Last Altered: Wednesday, May 26, 2021 12:21:45 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:22:14 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430



Name	Resp	RA	nY	RPF	wAve	RT	RRT	Conc.	%Rec	DL	EMPC
12 1,2,3,6,7,8-HxCDF	1.14e3	1.29	NO	1.07	10.022	33.80	1.000	1.18		0.187	1.18
13 2,3,4,6,7,8-HxCDF			NO	1.12	10.022					0.234	
14 1,2,3,7,8,9-HxCDF			NO	1.10	10.022					0.335	
15 1,2,3,4,6,7,8-HxCDF	1.64e3	1.13	NO	1.16	10.022	37.27	1.000	2.96		0.362	2.96
16 1,2,3,4,7,8,9-HxCDF			NO	1.19	10.022					0.601	
17 OCDF	1.75e3	0.82	NO	0.91	10.022	42.76	1.000	5.36		0.951	5.36
18 13C-2,3,7,8-TCDF	1.44e5	0.82	NO	1.15	10.022	26.95	1.026	151	75.9	0.243	
19 13C-1,2,3,7,8-PeCDD	1.32e5	0.64	NO	0.89	10.022	31.15	1.186	180	90.2	0.282	
20 13C-1,2,3,4,7,8-HxCDD	9.18e4	1.27	NO	0.65	10.022	34.63	1.015	140	70.3	0.700	

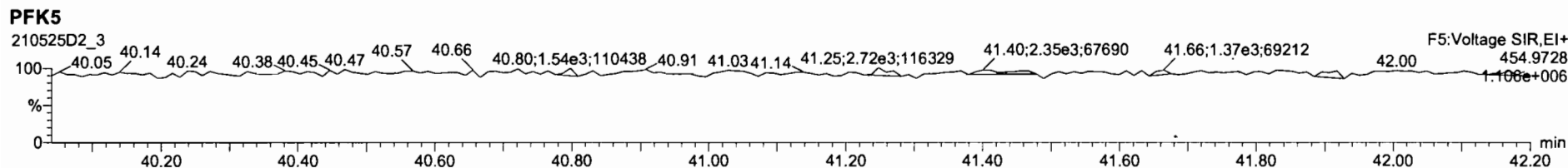
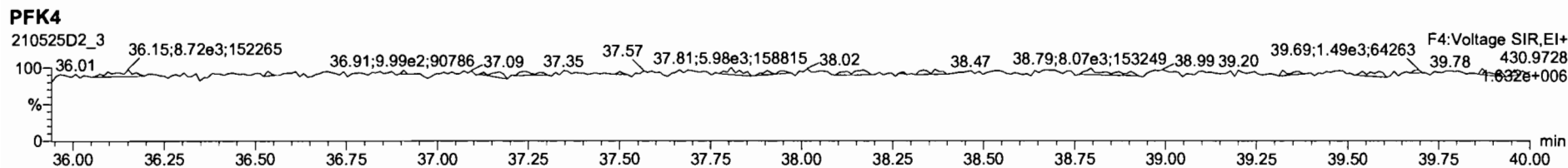
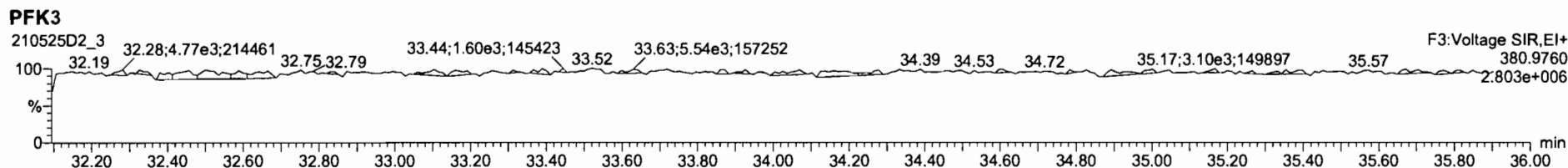
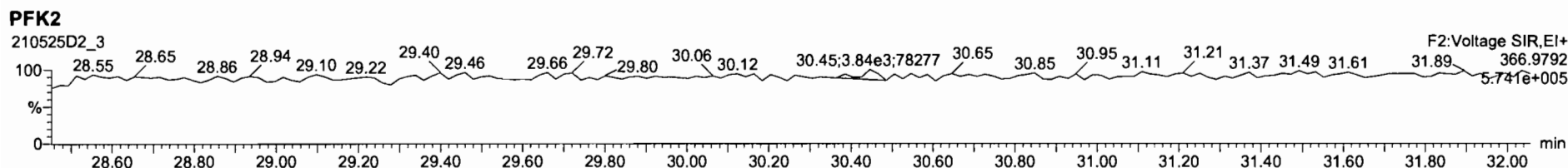
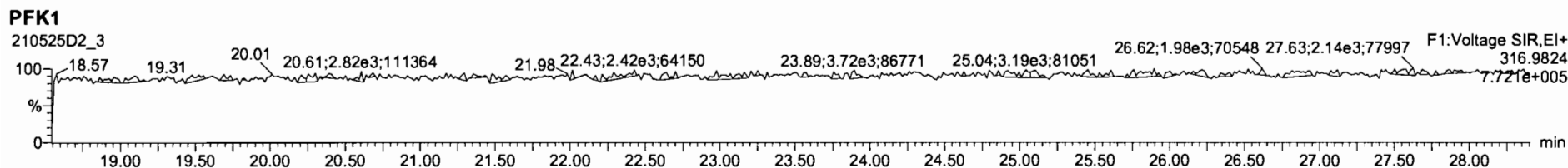
Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
1							



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-3.qld

Last Altered: Wednesday, May 26, 2021 12:21:45 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:22:14 Pacific Daylight Time

Name: 210525D2_3, Date: 25-May-2021, Time: 12:52:26, ID: 2105021-01 USMPDI-024SC-A-08-09-210430 17.02, Description: USMPDI-024SC-A-08-09-210430



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-4.qld

Last Altered: Monday, June 07, 2021 09:27:58 Pacific Daylight Time

Printed: Monday, June 07, 2021 09:28:32 Pacific Daylight Time

Hz 6-7-2021

CM 06/08/2021

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	1.05	10.039					0.110	
2	1,2,3,7,8-PeCDD			NO	0.881	10.039					0.160	
3	1,2,3,4,7,8-HxCDD			NO	1.14	10.039					0.458	
4	1,2,3,6,7,8-HxCDD	2.77e2	1.03	YES	1.01	10.039	34.78	1.001	0.52902		0.41	0.485
5	1,2,3,7,8,9-HxCDD			NO	1.02	10.039					0.414	
6	1,2,3,4,6,7,8-HpCDD	3.67e3	0.99	NO	1.07	10.039	38.60	1.001	8.8025		0.651	8.80
7	OCDD	2.59e4	0.91	NO	1.00	10.039	42.96	1.001	109.70		8.50	110
8	2,3,7,8-TCDF	1.89e3	0.77	NO	0.864	10.039	26.37	1.001	2.2637		0.137	2.26
9	1,2,3,7,8-PeCDF	2.77e3	1.57	NO	0.948	10.039	30.00	1.001	3.2254		0.144	3.23
10	2,3,4,7,8-PeCDF	1.39e3	1.91	YES	1.04	10.039	30.99	1.001	1.5113		0.127	1.32
11	1,2,3,4,7,8-HxCDF	3.72e3	1.23	NO	1.04	10.039	33.61	1.000	4.8068		0.215	4.81
12	1,2,3,6,7,8-HxCDF	1.23e3	1.29	NO	1.07	10.039	33.77	1.001	1.4450		0.224	1.44
13	2,3,4,6,7,8-HxCDF	3.13e2	1.14	NO	1.12	10.039	34.52	1.000	0.39149		0.264	0.391
14	1,2,3,7,8,9-HxCDF	2.49e2	1.44	YES	1.10	10.039	35.66	1.001	0.35418		0.308	0.325
15	1,2,3,4,6,7,8-HpCDF	2.13e3	1.04	NO	1.16	10.039	37.30	1.001	3.8174		0.350	3.82
16	1,2,3,4,7,8,9-HpCDF	6.42e2	1.15	NO	1.19	10.039	39.32	0.999	1.4278		0.637	1.43
17	OCDF	3.26e3	0.94	NO	0.909	10.039	43.31	1.002	10.634		2.45	10.6
18	13C-2,3,7,8-TCDD	1.09e5	0.76	NO	1.15	10.039	26.92	1.025	119.83	60.1	0.274	
19	13C-1,2,3,7,8-PeCDD	1.05e5	0.62	NO	0.887	10.039	31.13	1.185	148.01	74.3	0.368	
20	13C-1,2,3,4,7,8-HxCDD	8.05e4	1.37	NO	0.645	10.039	34.64	1.016	131.79	66.1	1.01	
21	13C-1,2,3,6,7,8-HxCDD	1.03e5	1.30	NO	0.717	10.039	34.76	1.020	152.04	76.3	0.905	
22	13C-1,2,3,7,8,9-HxCDD	1.05e5	1.30	NO	0.714	10.039	35.03	1.028	156.06	78.3	0.908	
23	13C-1,2,3,4,6,7,8-HpCDD	7.80e4	1.08	NO	0.583	10.039	38.55	1.131	141.23	70.9	1.14	
24	13C-OCDD	9.38e4	0.90	NO	0.451	10.039	42.94	1.259	219.54	55.1	1.79	
25	13C-2,3,7,8-TCDF	1.92e5	0.77	NO	1.09	10.039	26.34	1.003	111.13	55.8	0.273	
26	13C-1,2,3,7,8-PeCDF	1.80e5	1.66	NO	0.805	10.039	29.98	1.142	141.28	70.9	0.584	
27	13C-2,3,4,7,8-PeCDF	1.77e5	1.68	NO	0.792	10.039	30.97	1.179	140.84	70.7	0.594	
28	13C-1,2,3,4,7,8-HxCDF	1.48e5	0.50	NO	0.997	10.039	33.60	0.986	156.56	78.6	1.01	
29	13C-1,2,3,6,7,8-HxCDF	1.58e5	0.50	NO	1.03	10.039	33.74	0.990	162.14	81.4	0.983	
30	13C-2,3,4,6,7,8-HxCDF	1.43e5	0.50	NO	0.940	10.039	34.51	1.012	160.51	80.6	1.08	

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-4.qld

Last Altered: Monday, June 07, 2021 09:27:58 Pacific Daylight Time

Printed: Monday, June 07, 2021 09:28:32 Pacific Daylight Time

Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.27e5	0.52	NO	0.852	10.039	35.62	1.045	157.86	79.2	1.19	
32	13C-1,2,3,4,6,7,8-HpCDF	9.57e4	0.41	NO	0.727	10.039	37.28	1.094	139.11	69.8	0.982	
33	13C-1,2,3,4,7,8,9-HpCDF	7.55e4	0.40	NO	0.608	10.039	39.35	1.154	131.25	65.9	1.17	
34	13C-OCDF	1.34e5	0.88	NO	0.631	10.039	43.22	1.268	225.18	56.5	2.43	
35	37Cl-2,3,7,8-TCDD	9.83e4			2.22	10.039	26.95	1.026	55.652	69.8	0.0573	
36	13C-1,2,3,4-TCDD	1.59e5	0.80	NO	1.00	10.039	26.26	1.000	199.23	100	0.314	
37	13C-1,2,3,4-TCDF	3.16e5	0.79	NO	1.00	10.039	25.04	1.000	199.23	100	0.298	
38	13C-1,2,3,4,6,9-HxCDF	1.89e5	0.49	NO	1.00	10.039	34.09	1.000	199.23	100	1.01	
39	Total Tetra-Dioxins				1.05	10.039					0.0678	
40	Total Penta-Dioxins				0.881	10.039			0.00000		0.0742	0.231
41	Total Hexa-Dioxins				1.01	10.039			3.3321		0.443	3.82
42	Total Hepta-Dioxins				1.07	10.039			20.033		0.651	20.0
43	Total Tetra-Furans				0.864	10.039			6.2167		0.137	7.11
44	1st Func. Penta-Furans				0.948	10.039			0.68652		0.0496	0.687
45	Total Penta-Furans				0.948	10.039			4.5480		0.147	7.66
46	Total Hexa-Furans				1.12	10.039			10.214		0.249	10.7
47	Total Hepta-Furans				1.16	10.039			11.089		0.483	11.1

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Dataset: U:\VG7.PRO\Results\210525D2\210525D2-4.qld

Last Altered: Monday, June 07, 2021 09:27:58 Pacific Daylight Time

Printed: Monday, June 07, 2021 09:28:32 Pacific Daylight Time

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430, Task: ST210525D2-1

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	29.08	8.000e2	1.168e3	4.880e1	6.563e1	0.74	YES	0.000e0	0.00000	0.23134	0.0742

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Dioxins	32.81	5.939e3	4.701e3	3.929e2	3.047e2	1.29	NO	6.976e2	1.4271	1.4271	0.443
2 Total Hexa-Dioxins	33.76	6.007e3	5.426e3	5.318e2	3.994e2	1.33	NO	9.312e2	1.9050	1.9050	0.443
3 1,2,3,6,7,8-HxCDD	34.78	1.882e3	1.985e3	1.405e2	1.363e2	1.03	YES	2.767e2	0.00000	0.48503	0.411

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.62	2.101e4	2.202e4	2.367e3	2.314e3	1.02	NO	4.680e3	11.230	11.230	0.651
2 1,2,3,4,6,7,8-HpCDD	38.60	1.288e4	1.398e4	1.821e3	1.848e3	0.99	NO	3.668e3	8.8025	8.8025	0.651

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-4.qld

Last Altered: Monday, June 07, 2021 09:27:58 Pacific Daylight Time

Printed: Monday, June 07, 2021 09:28:32 Pacific Daylight Time

Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430, Task: ST210525D2-1

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	23.13	3.163e3	2.994e3	1.919e2	1.904e2	1.01	YES	0.000e0	0.00000	0.40443	0.137
2 Total Tetra-Furans	23.85	2.940e3	4.443e3	2.110e2	3.183e2	0.66	NO	5.292e2	0.63512	0.63512	0.137
3 Total Tetra-Furans	24.22	1.966e3	2.374e3	1.038e2	1.682e2	0.62	YES	0.000e0	0.00000	0.28640	0.137
4 Total Tetra-Furans	24.32	1.022e3	1.616e3	5.335e1	6.366e1	0.84	NO	1.170e2	0.14041	0.14041	0.137
5 Total Tetra-Furans	24.51	1.097e3	1.314e3	7.120e1	8.064e1	0.88	NO	1.518e2	0.18221	0.18221	0.137
6 Total Tetra-Furans	25.12	3.064e3	3.322e3	2.226e2	2.779e2	0.80	NO	5.005e2	0.60062	0.60062	0.137
7 Total Tetra-Furans	25.50	1.238e4	1.732e4	8.346e2	9.853e2	0.85	NO	1.820e3	2.1839	2.1839	0.137
8 Total Tetra-Furans	26.23	2.225e3	1.611e3	1.093e2	9.408e1	1.16	YES	0.000e0	0.00000	0.19984	0.137
9 2,3,7,8-TCDF	26.37	1.378e4	1.725e4	8.186e2	1.068e3	0.77	NO	1.886e3	2.2637	2.2637	0.137
10 Total Tetra-Furans	28.02	1.379e3	2.085e3	7.841e1	9.730e1	0.81	NO	1.757e2	0.21086	0.21086	0.137

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	27.64	7.050e3	4.439e3	3.455e2	2.381e2	1.45	NO	5.836e2	0.68652	0.68652	0.0496

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Furans	29.12	1.561e4	6.860e3	9.872e2	4.984e2	1.98	YES	0.000e0	0.00000	1.4950	0.147
2 Total Penta-Furans	29.68	2.558e3	2.123e3	1.522e2	1.849e2	0.82	YES	0.000e0	0.00000	0.29452	0.147
3 Total Penta-Furans	29.82	2.734e3	2.113e3	1.618e2	1.165e2	1.39	NO	2.783e2	0.32731	0.32731	0.147
4 1,2,3,7,8-PeCDF	30.00	3.256e4	2.068e4	1.690e3	1.078e3	1.57	NO	2.768e3	3.2254	3.2254	0.144
5 Total Penta-Furans	30.22	8.058e3	5.651e3	5.104e2	3.358e2	1.52	NO	8.462e2	0.99533	0.99533	0.147
6 2,3,4,7,8-PeCDF	30.99	1.454e4	8.402e3	9.139e2	4.784e2	1.91	YES	1.392e3	0.00000	1.3242	0.137

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Dataset: U:\VG7.PRO\Results\210525D2\210525D2-4.qld

Last Altered: Monday, June 07, 2021 09:27:58 Pacific Daylight Time

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Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430, Task: ST210525D2-1

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.25	3.764e3	3.134e3	1.952e2	1.662e2	1.17	NO	3.614e2	0.44785	0.44785	0.249
2	Total Hexa-Furans	32.43	1.087e4	9.293e3	6.897e2	5.632e2	1.22	NO	1.253e3	1.5524	1.5524	0.249
3	Total Hexa-Furans	33.10	1.090e4	7.979e3	6.983e2	5.691e2	1.23	NO	1.267e3	1.5705	1.5705	0.249
4	1,2,3,4,7,8-HxCDF	33.61	3.063e4	2.505e4	2.051e3	1.667e3	1.23	NO	3.719e3	4.8068	4.8068	0.215
5	1,2,3,6,7,8-HxCDF	33.77	9.261e3	6.705e3	6.933e2	5.364e2	1.29	NO	1.230e3	1.4450	1.4450	0.224
6	2,3,4,6,7,8-HxCDF	34.52	2.036e3	1.740e3	1.668e2	1.466e2	1.14	NO	3.134e2	0.39149	0.39149	0.264
7	1,2,3,7,8,9-HxCDF	35.66	2.817e3	2.301e3	1.469e2	1.018e2	1.44	YES	2.487e2	0.00000	0.32478	0.338
8	Total Hexa-Furans	35.68	2.248e3	2.267e3	8.034e1	1.316e2	0.61	YES	0.000e0	0.00000	0.17982	0.249

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	9.080e3	8.601e3	1.084e3	1.043e3	1.04	NO	2.127e3	3.8174	3.8174	0.350
2	Total Hepta-Furans	37.87	1.331e4	1.374e4	1.458e3	1.455e3	1.00	NO	2.913e3	5.8440	5.8440	0.483
3	1,2,3,4,7,8,9-HpCDF	39.32	2.467e3	2.370e3	3.438e2	2.987e2	1.15	NO	6.424e2	1.4278	1.4278	0.637

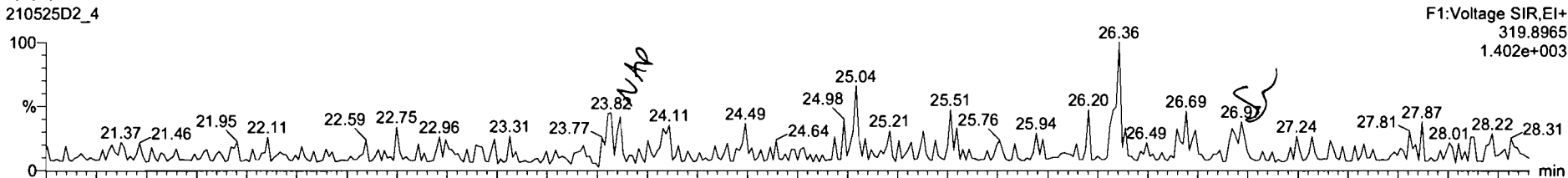
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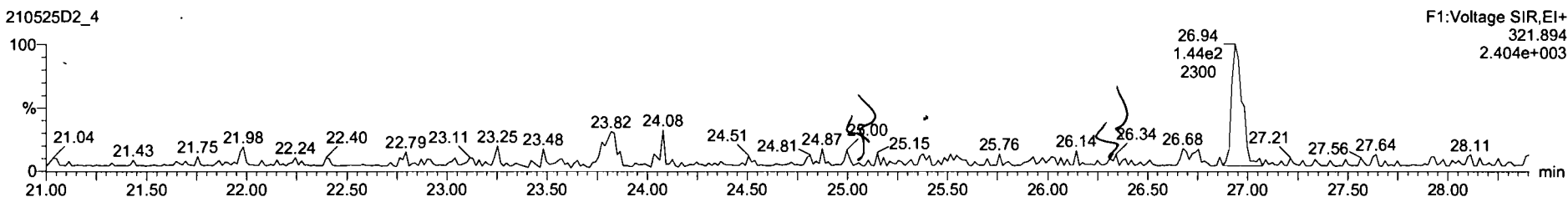
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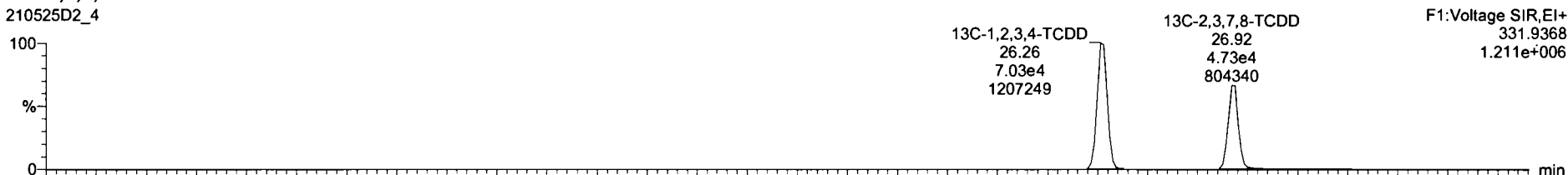
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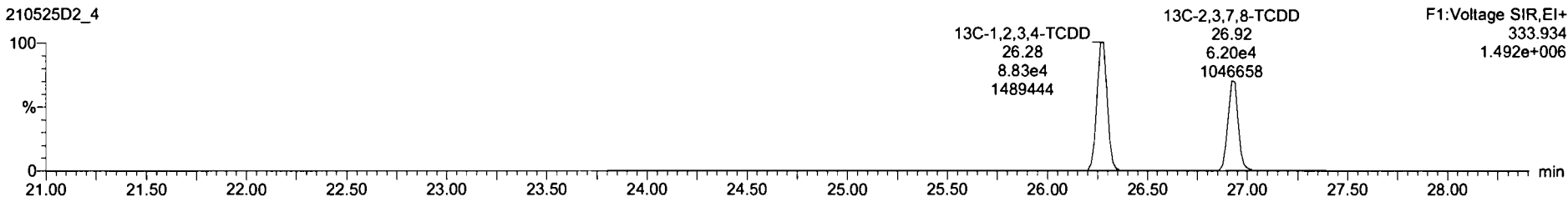
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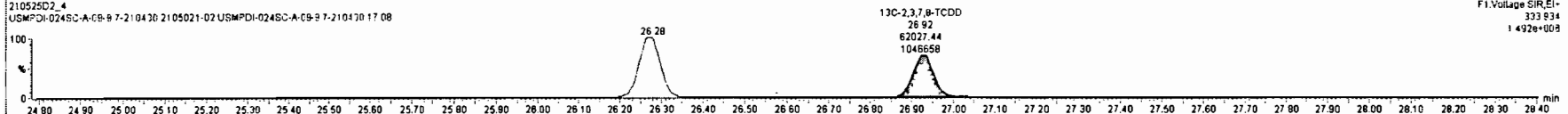
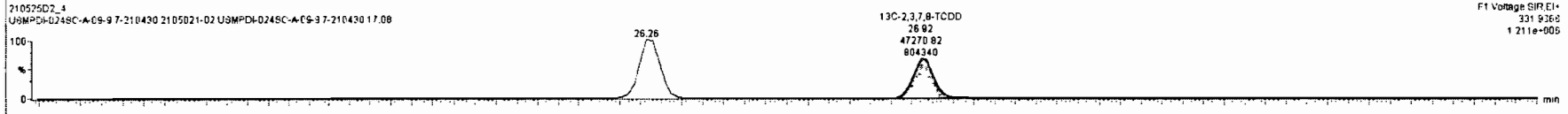
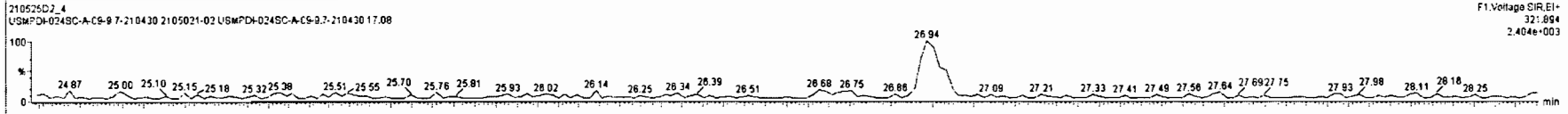
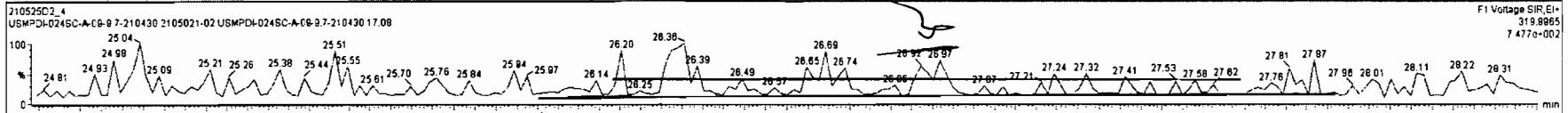
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21052502_4 - 2105021-02 USMPDI-0245C-A-09-9 7-210430 17.08 - USMPDI-0245C-A-09-9 7-210430

Name	Resp	RA	nV	RRF	WAdI	RT	RRT	Conc.	%Rec	DL	EMPC
36 13C-1,2,3,4-TCDD	1.59e5	0.80	NO	1.00	10.039	26.26	1.000	199	100	0.314	
37 13C-1,2,3,4-TCDF	3.16e5	0.79	NO	1.00	10.039	25.04	1.000	199	100	0.290	
38 13C-1,2,3,4,6,9-HxCDF	1.05e5	0.49	NO	1.00	10.039	34.09	1.000	199	100	1.01	
39 Total Tetra-Dioxins				1.06	10.039					0.0678	
40 Total Penta-Dioxins				0.86	10.039					0.0742	
41 Total Hexa-Dioxins				1.01	10.039			3.83		0.443	3.83
42 Total Hepta-Dioxins				1.07	10.039			10.9		0.651	18.8
43 Total Tetra-Furans				0.86	10.039			4.36		0.137	5.78

Name	RT	m1 Resp	m2 Resp	RA	nV	EMPC	Conc.



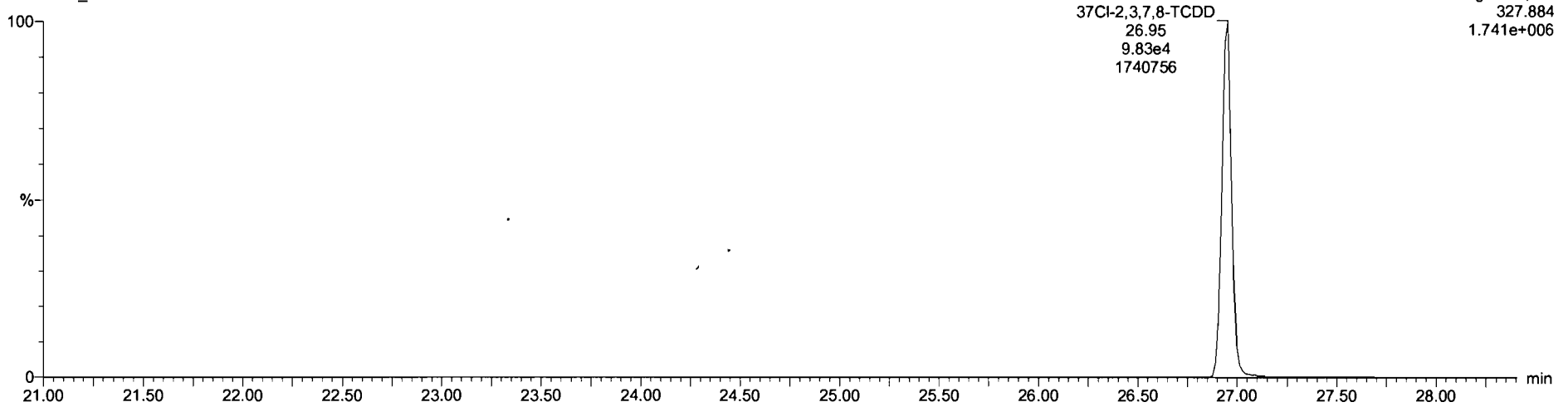
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Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430

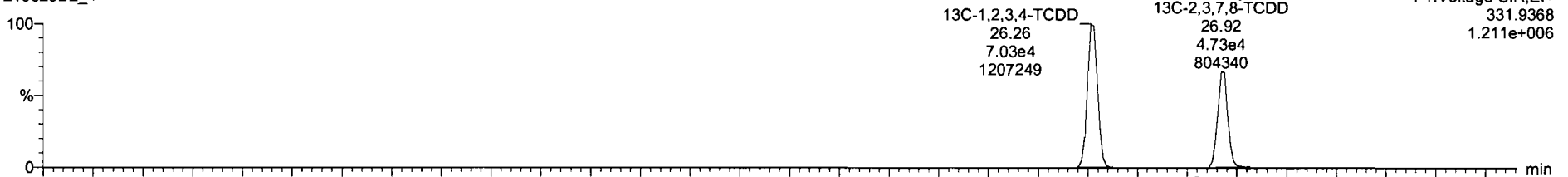
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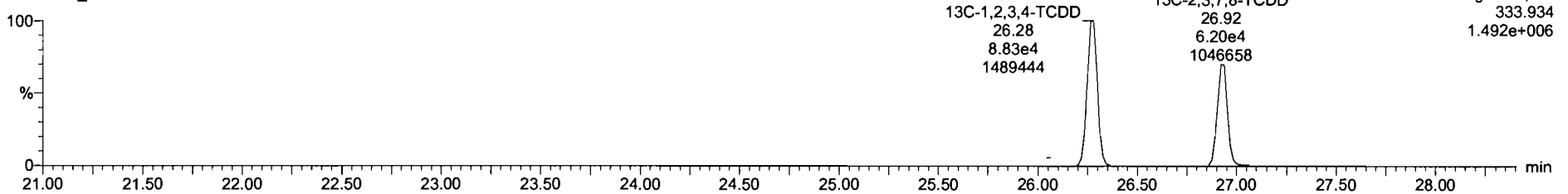


13C-1,2,3,4-TCDD

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210525D2_4



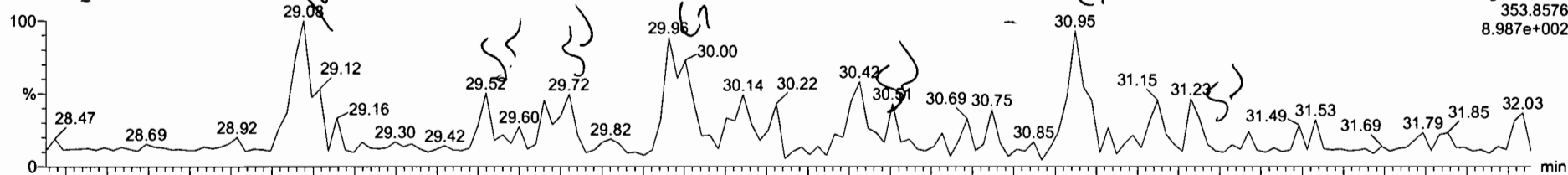
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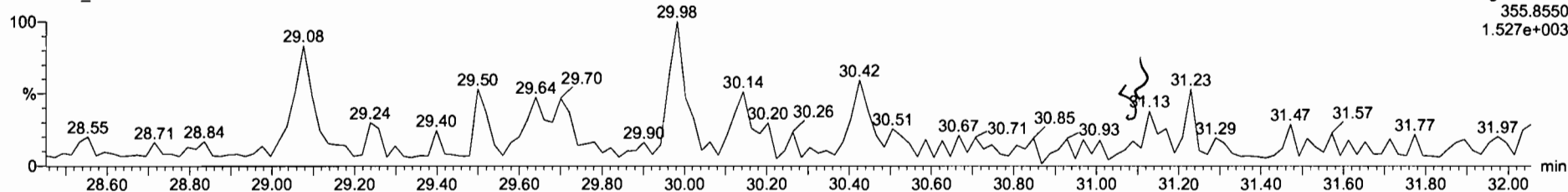
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1,2,3,7,8-PeCDD

210525D2_4

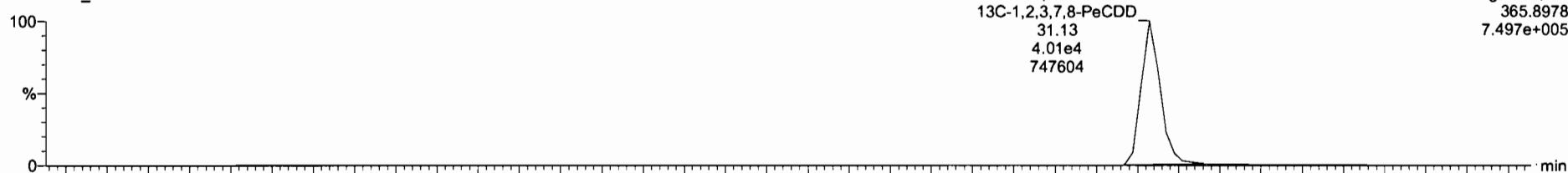


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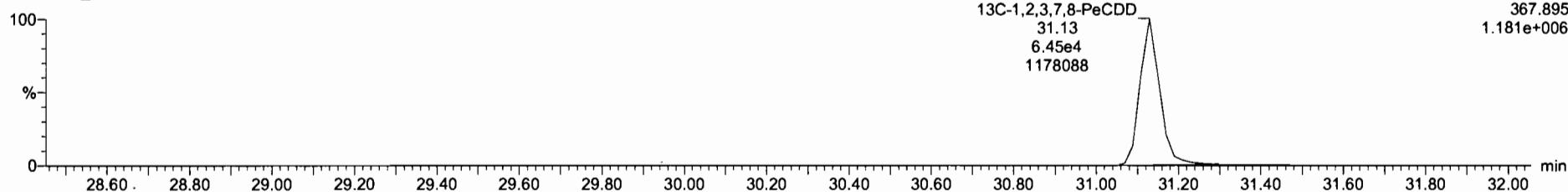


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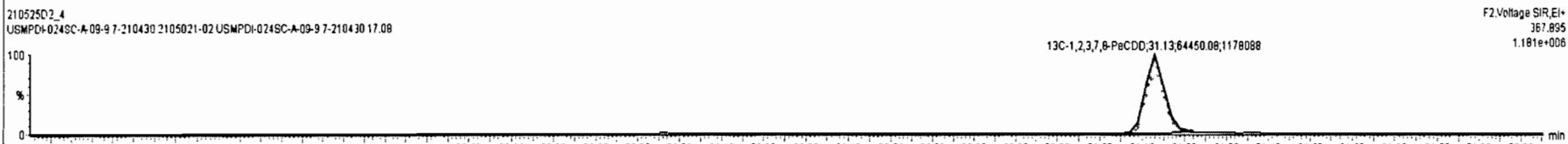
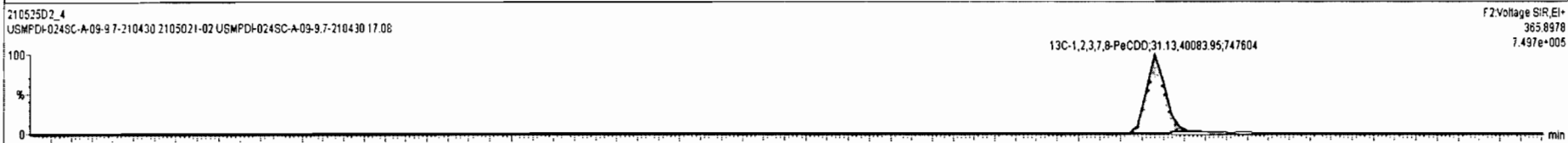
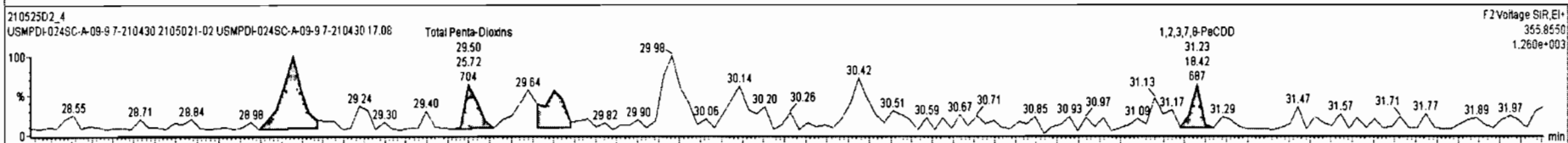
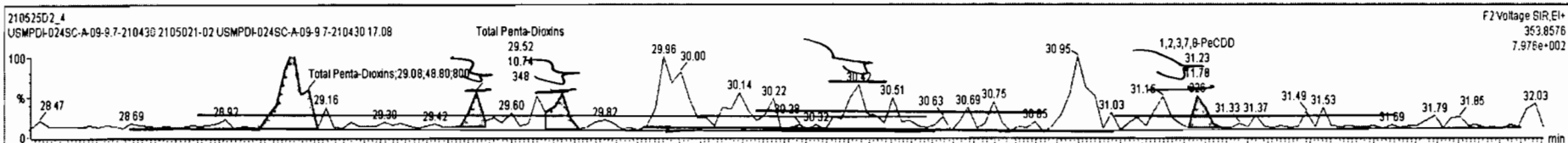
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21052502_4 - 2105021-02 USMPDI-024SC-A-09-9-7-210430 17.08 - USMPDI-024SC-A-09-9-7-210430

Name	Resp	RA	n/y	RF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
25	13C-2,3,7,8-TCDF	1.92e5	0.77	NO	1.09	10.039	26.34	1.003	111	55.8	0.273
26	13C-1,2,3,7,8-PeCDF	1.80e5	1.88	NO	0.80	10.039	29.98	1.142	141	70.9	0.584
27	13C-2,3,4,7,8-PeCDF	1.77e5	1.88	NO	0.79	10.039	30.97	1.179	141	70.7	0.594
28	13C-1,2,3,4,7,8-HxCDF	1.48e5	0.50	NO	1.00	10.039	33.60	0.986	157	78.6	1.01
29	13C-1,2,3,6,7,8-HxCDF	1.58e5	0.50	NO	1.03	10.039	33.74	0.990	162	81.4	0.983
30	13C-2,3,4,6,7,8-HxCDF	1.43e5	0.50	NO	0.94	10.039	34.51	1.012	161	80.6	1.08
31	13C-1,2,3,7,8,9-HxCDF	1.27e5	0.52	NO	0.85	10.039	35.62	1.045	158	79.2	1.19
32	13C-1,2,3,4,6,7,8-HpCDF	9.57e4	0.41	NO	0.73	10.039	37.28	1.094	138	69.8	0.982

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	29.08	4.880e1	6.563e1	0.74	YES	0.23134
2	1,2,3,7,8-PeCDD	31.23	1.178e1	1.842e1	0.64	NO	0.065321
3	Total Penta-Dioxins	29.72	1.592e1	3.232e1	0.49	YES	0.089098
4	Total Penta-Dioxins	29.52	1.074e1	2.572e1	0.42	YES	0.060095

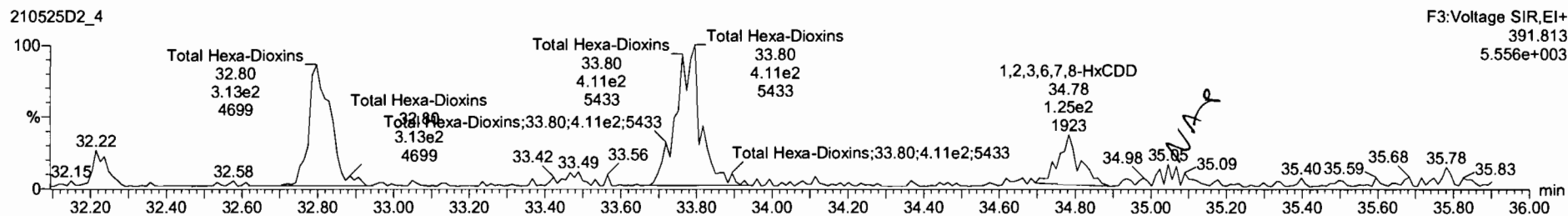
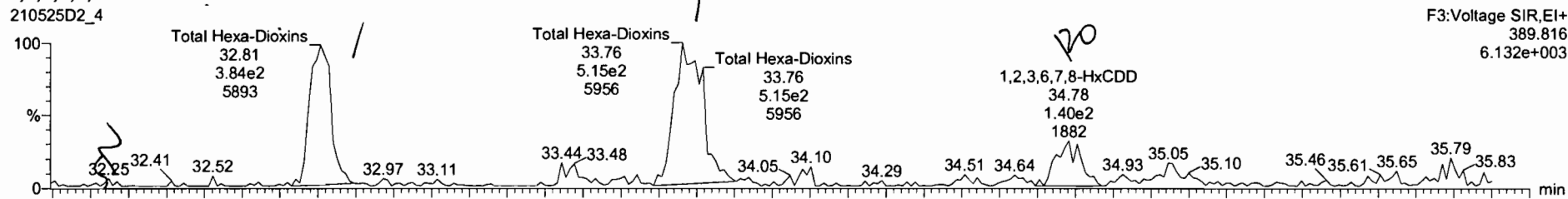


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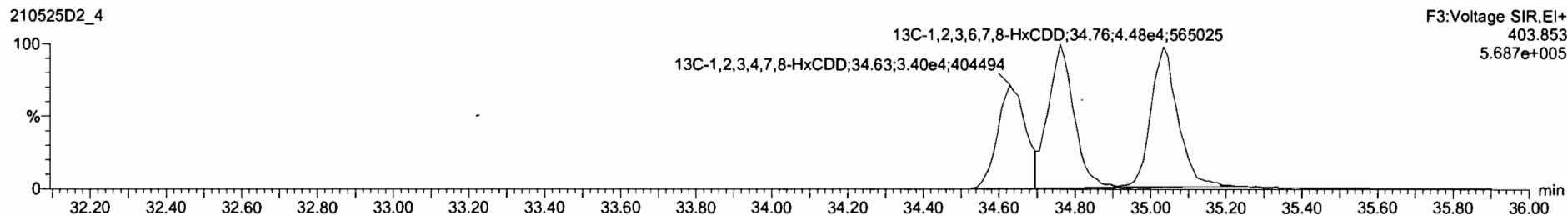
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1,2,3,4,7,8-HxCDD

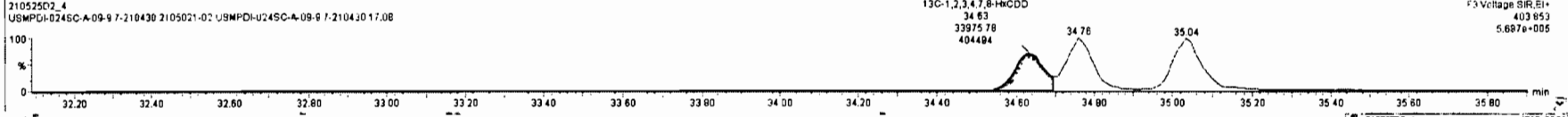
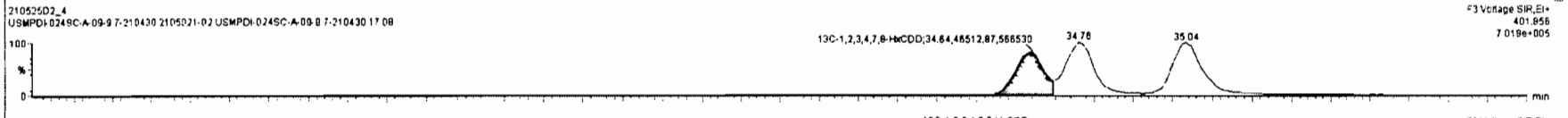
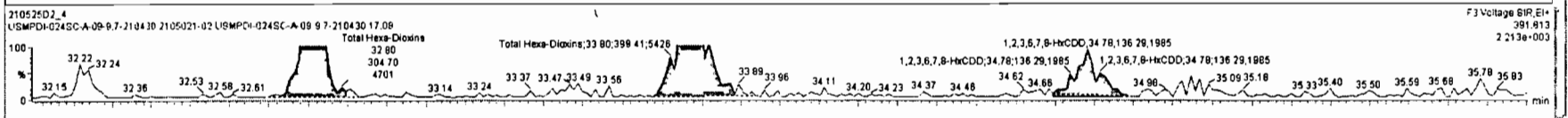
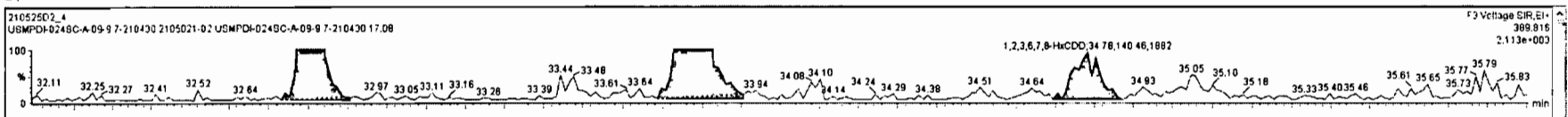


13C-1,2,3,4,7,8-HxCDD



Name	Resp	RA	n/y	RRF	wt/col	RT	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins		1.01	10.039				3.33		0.443	3.82	
42 Total Hepta-Dioxins			1.07	10.039				10.9	0.651	18.8	
43 Total Tetra-Furans		0.86	10.039					4.36	0.137	5.78	
44 1st Func Penta-Furans		0.95	10.039					0.687	0.0496	0.687	
45 Total Penta-Furans		0.95	10.039					4.08	0.147	7.26	
46 Total Hexa-Furans		1.12	10.039					10.7	0.249	10.7	
47 Total Hepta-Furans		1.16	10.039					9.61	0.483	9.61	
48 PPK1											

Name	RT1	n1 Resp	n2 Resp	RA	n/y	EMPC	Conc
1 Total Hexa-Dioxins	32.81	3.999e7	3.047e2	1.20	NO	1.4271	1.4271
2 Total Hexa-Dioxins	33.76	5.318e2	3.994e2	1.33	NO	1.9850	1.9850
3 1,2,3,6,7,8-HxCDD	34.78	1.405e2	1.363e2	1.03	YES	0.48503	0.00000



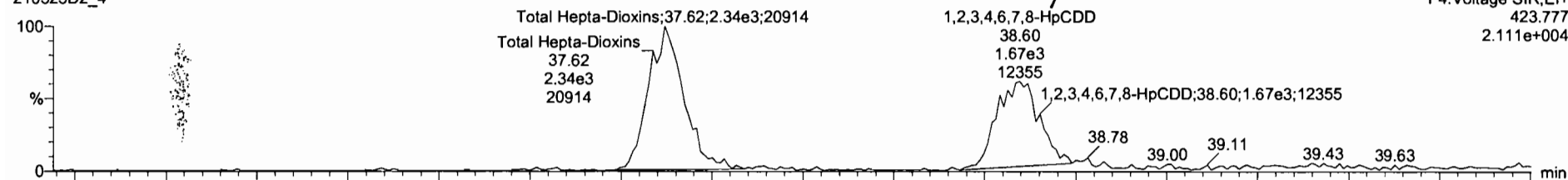
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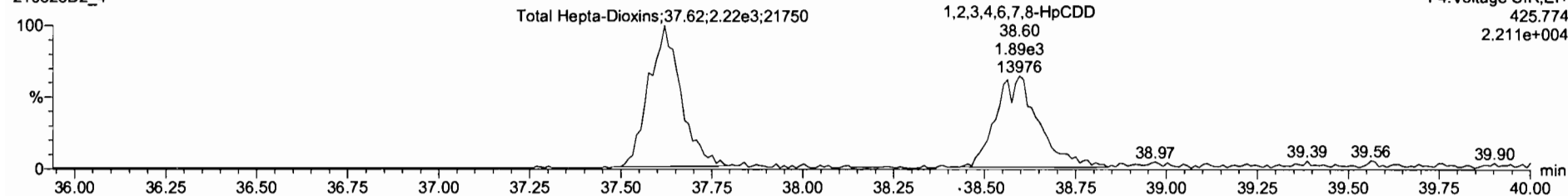
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1,2,3,4,6,7,8-HpCDD

210525D2_4

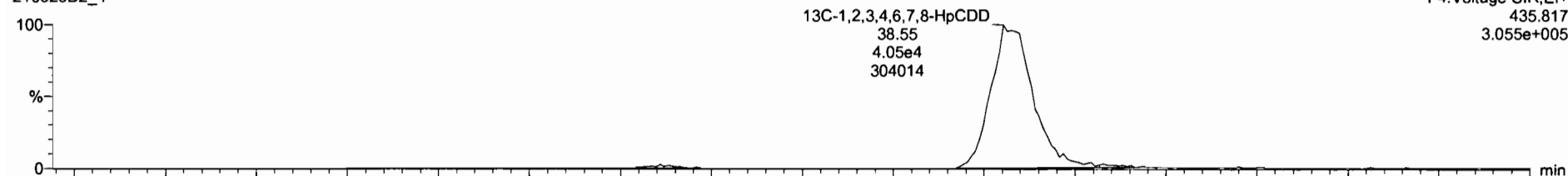


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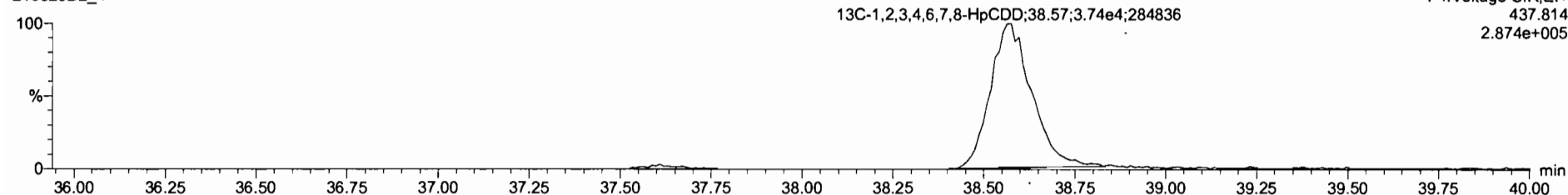


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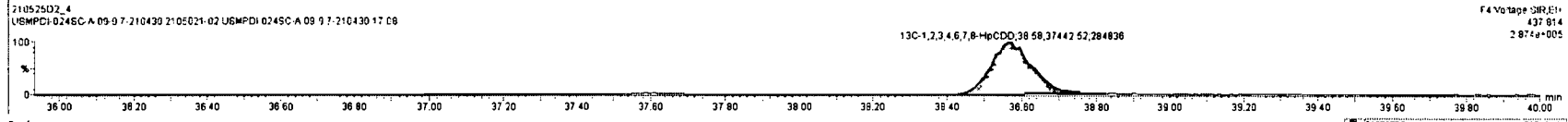
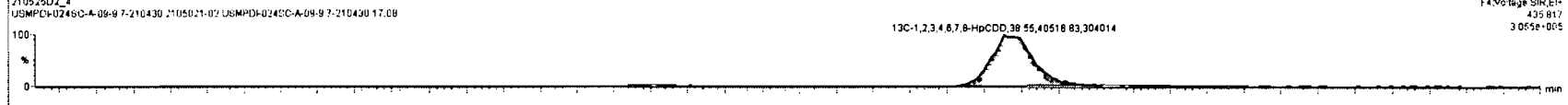
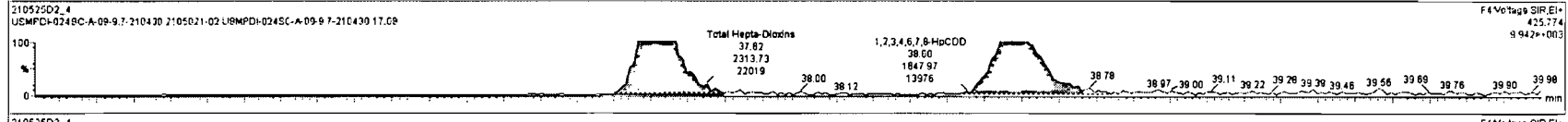
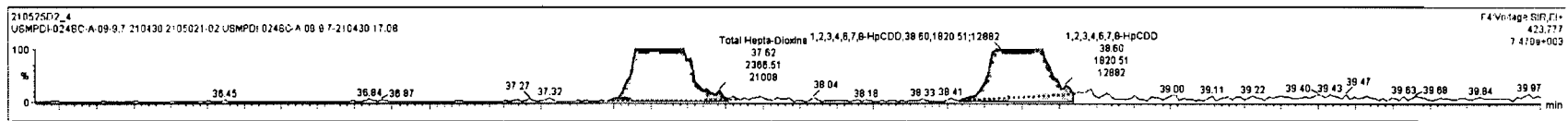


210525D2_4



Name	Resp	RA	nV	RfV	wtAvd	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.039			20.0	0.851	20.0	
43 Total Tetra-Furans				0.86	10.039			4.36	0.137	5.79	
44 Lat Func. Penta-Furans				0.95	10.039			0.687	0.0496	0.687	
45 Total Penta-Furans				0.95	10.039			4.08	0.147	7.28	
46 Total Hexa-Furans				1.12	10.039			10.7	0.249	10.7	
47 Total Hepta-Furans				1.16	10.039			9.81	0.483	9.81	
48 PFX1											
49 PFX2											

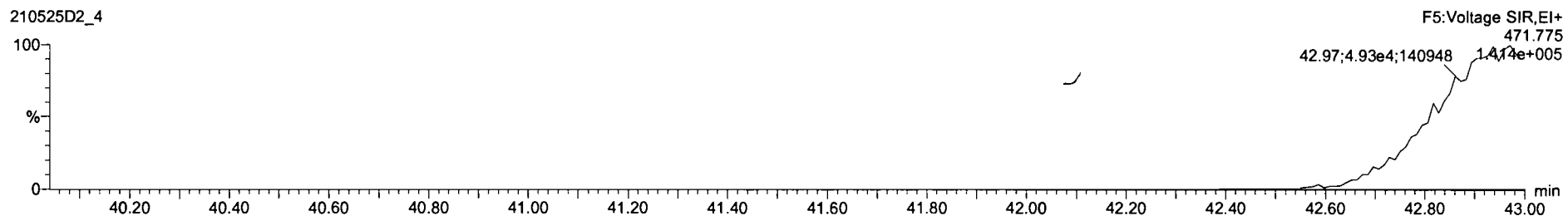
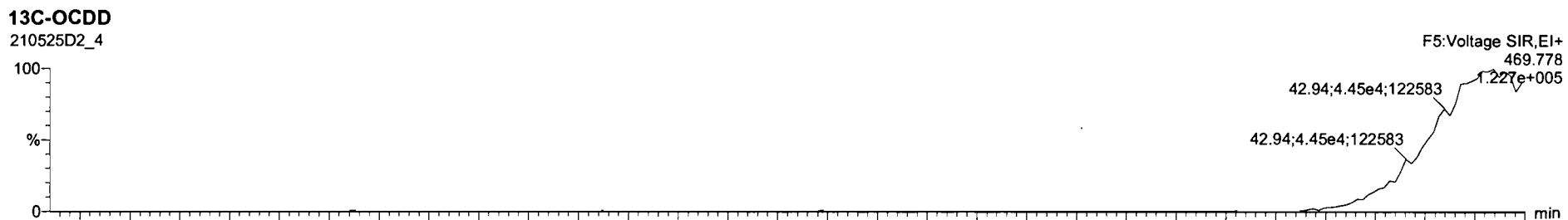
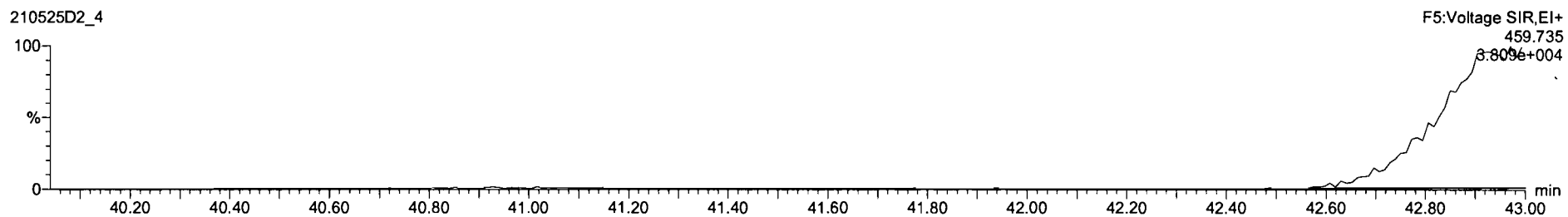
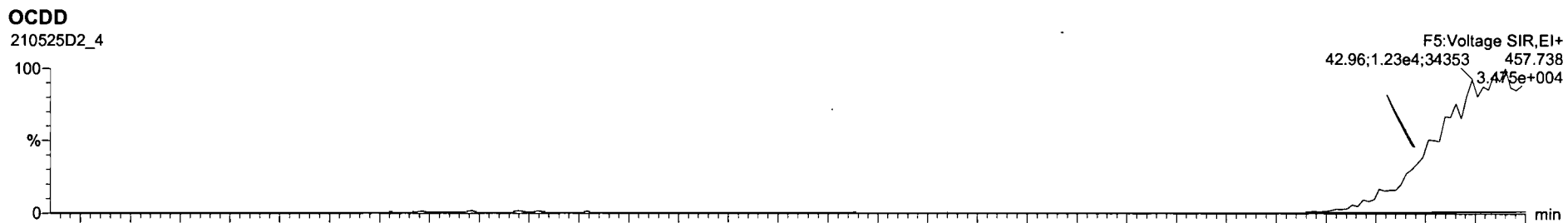
Name	RT	m1 Resp	m2 Resp	RA	nV	EMPC	Conc.
1 Total Hepta-Dioxins	37.62	2.367e3	2.314e3	1.02	NO	11.230	11.230
2 1,2,3,4,6,7,8-HpCDD	38.60	1.821e3	1.848e3	0.99	NO	8.8025	8.8025



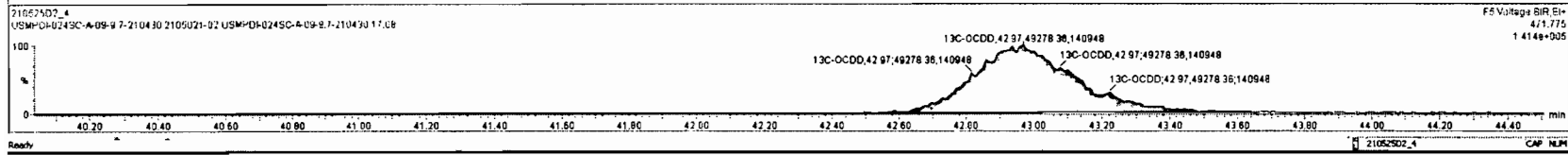
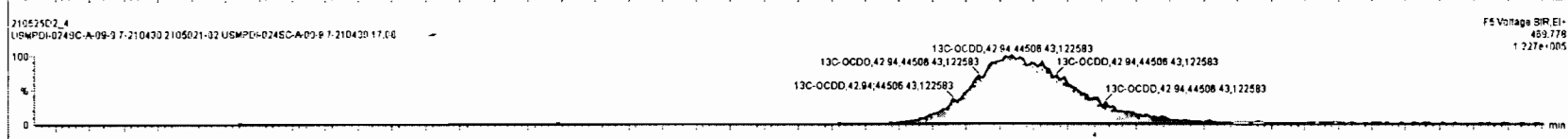
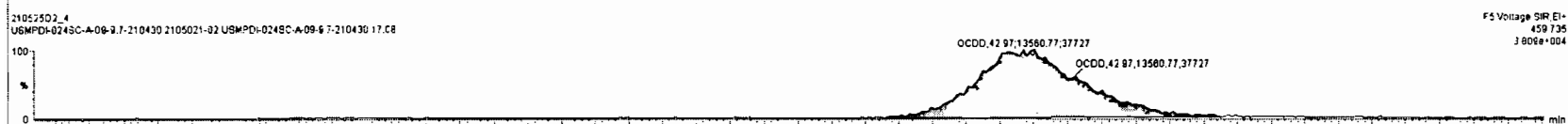
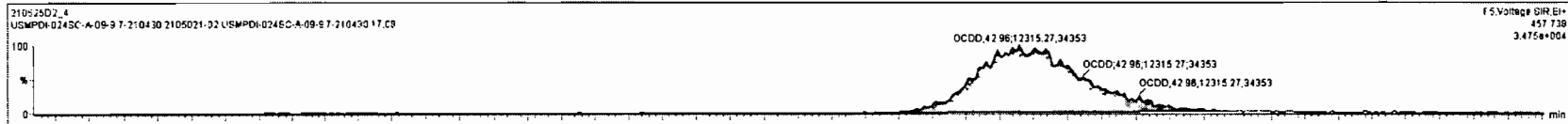
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Name	Resp	RA	nlv	RRF	wtAvd	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	1.05	10.039					0.110	
2 1,2,3,7,8-PeCDD			NO	0.88	18.029					0.180	
3 1,2,3,4,7,8-HxCDD			NO	1.14	10.029					0.458	
4 1,2,3,6,7,8-HxCDD	2.86e2	1.12	NO	1.01	10.079	34.78	1.001	0.508		0.411	0.508
5 1,2,3,7,8,9-HxCDD			NO	1.02	10.029					0.414	
6 1,2,3,4,6,7,8-HpCDD	3.56e3	0.88	YES	1.07	10.029	39.80	1.001	8.55		0.851	7.85
7 OCDD	2.58e4	0.81	NO	1.00	10.029	42.96	1.001	110		8.50	110
8 2,3,7,8-TCDF	1.81e3	0.81	NO	0.86	10.039	26.37	1.001	2.18		0.137	2.18
9 1,2,3,7,8-PeCDF	2.71e3	1.51	NO	0.95	10.039	30.00	1.001	3.16		0.144	3.16
10 2,3,4,7,8-PeCDF	1.37e3	2.00	YES	1.04	10.039	30.99	1.001	1.49		0.137	1.27
11 1,2,3,4,7,8-HxCDF	3.70e3	1.23	NO	1.04	10.039	33.81	1.000	4.78		0.215	4.78
12 1,2,3,6,7,8-HxCDF	1.18e3	1.30	NO	1.07	10.039	33.77	1.001	1.36		0.224	1.36
13 2,3,4,6,7,8-HxCDF	3.25e2	1.17	NO	1.12	10.039	34.52	1.000	0.406		0.264	0.406
14 1,2,3,7,8,9-HxCDF	4.74e2	1.10	NO	1.10	10.039	35.88	1.001	0.875		0.338	0.875
15 1,2,3,4,6,7,8-HpCDF	2.10e3	1.08	NO	1.16	10.039	37.30	1.001	3.77		0.350	3.77

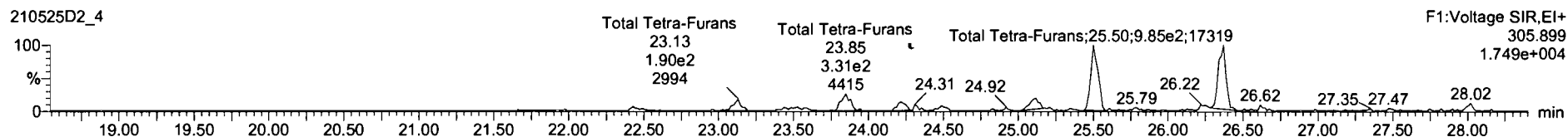
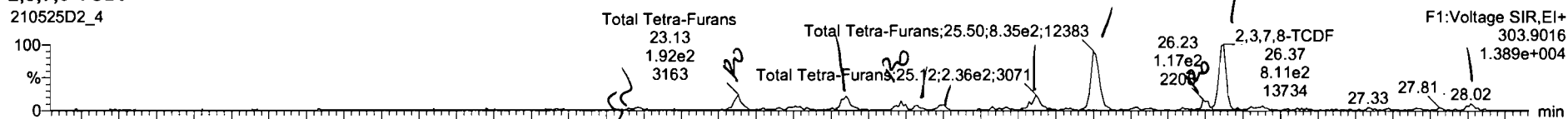


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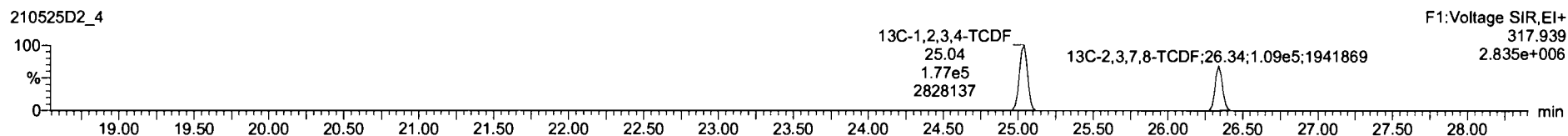
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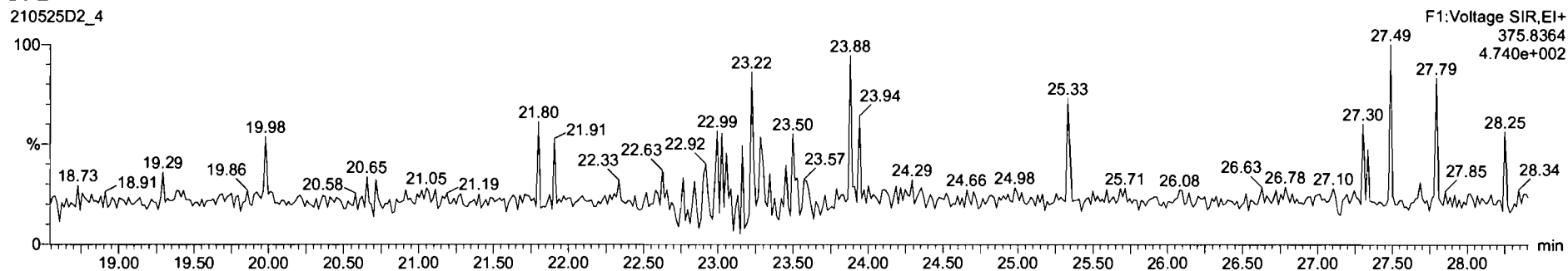
2,3,7,8-TCDF



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

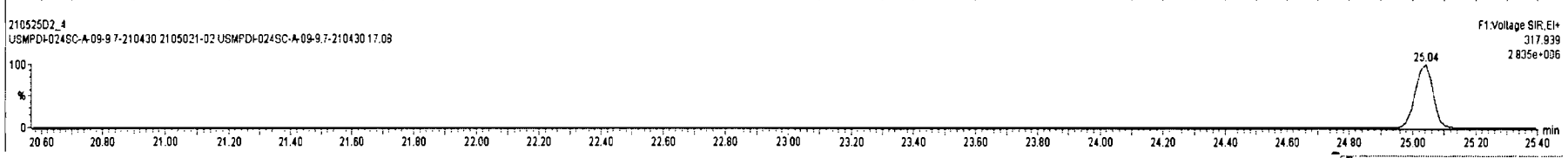
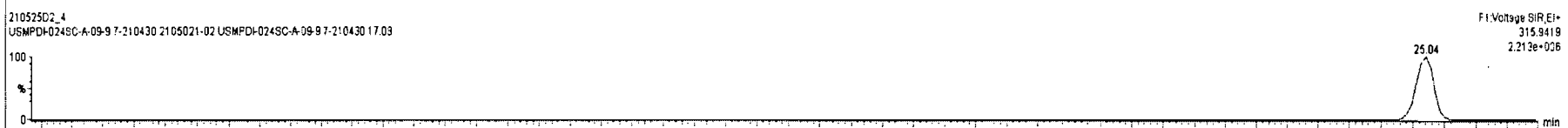
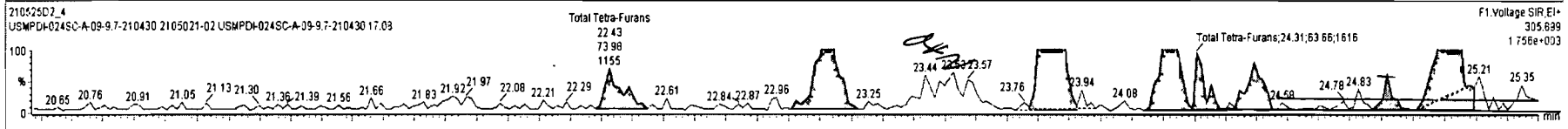
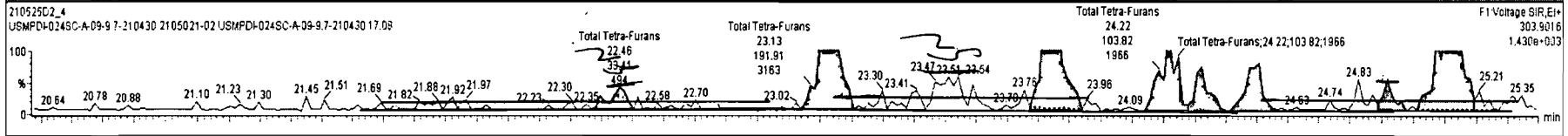


DPE1



Name	Resp	RA	n/y	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.039			20.0	0.651	20.0	
43 Total Tetra-Furans				0.86	10.039			6.26	0.137	7.27	
44 1st Func. Penta-Furans				0.95	10.039			0.687	0.0496	0.687	
45 Total Penta-Furans				0.95	10.039			4.06	0.147	7.26	
46 Total Hexa-Furans				1.12	10.039			10.7	0.349	10.7	
47 Total Hepta-Furans				1.16	10.039			9.61	0.483	9.61	
48 PFK1											
49 PFK2											

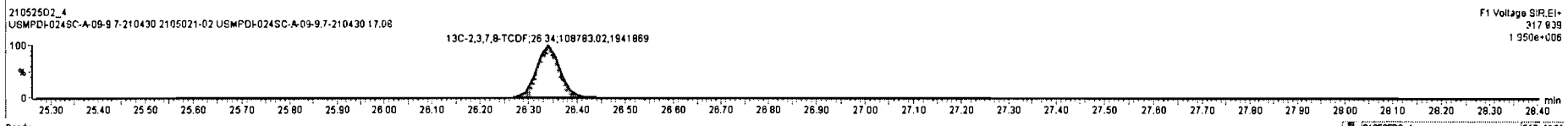
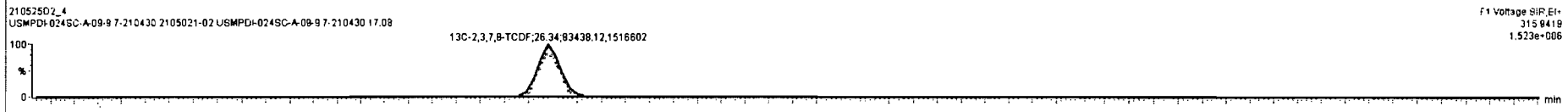
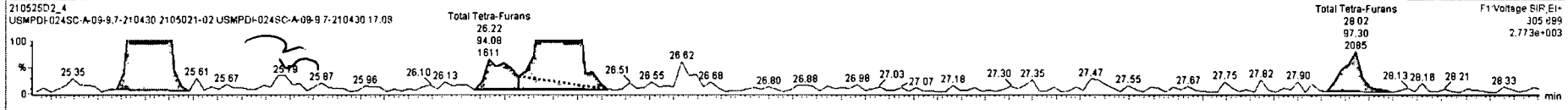
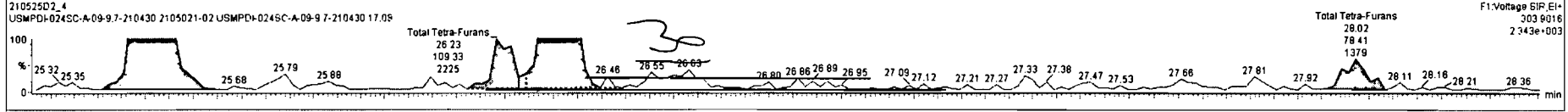
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	22.46	3.341e1	7.396e1	0.45	YES	0.082155	0.00000
2 Total Tetra-Furans	23.13	1.919e2	1.904e2	1.01	YES	0.40443	0.00000
3 Total Tetra-Furans	23.85	2.110e2	3.183e2	0.86	NO	0.63512	0.63512
4 Total Tetra-Furans	24.22	1.039e2	1.682e2	0.62	YES	0.26640	0.00000
5 Total Tetra-Furans	24.32	5.335e1	6.365e1	0.84	NO	0.14041	0.14041
6 Total Tetra-Furans	24.51	7.120e1	8.054e1	0.88	NO	0.18221	0.18221
7 Total Tetra-Furans	24.82	2.587e1	3.277e1	0.79	NO	0.070360	0.070360
8 Total Tetra-Furans	25.12	2.226e2	2.779e2	0.80	NO	0.60062	0.60062
9 Total Tetra-Furans	25.50	8.346e2	9.853e2	0.85	NO	2.1839	2.1839
10 Total Tetra-Furans	26.73	1.097e3	0.409e4	1.16	YES	0.19384	0.00000



210525D2_4 - 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08 - USMPDI-024SC-A-09-9.7-210430

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Chloroh				1.07	10.039			20.0	0.651	20.0	
43 Total Tetra-Furans				0.66	10.039			6.22	0.137	7.11	
44 1st Func. Penta-Furans				0.95	10.039			0.687	0.0496	0.687	
45 Total Penta-Furans				0.95	10.039			4.08	0.147	7.26	
46 Total Hexa-Furans				1.12	10.039			10.7	0.249	10.7	
47 Total Hepta-Furans				1.16	10.039			9.61	0.483	9.61	
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Tetra-Furans	23.13	1.919e2	1.904e2	1.01	YES	0.40443	0.00000
2 Total Tetra-Furans	23.85	2.110e2	3.183e2	0.66	NO	0.63512	0.63512
3 Total Tetra-Furans	24.22	1.039e2	1.882e2	0.62	YES	0.28940	0.00000
4 Total Tetra-Furans	24.32	5.335e1	6.368e1	0.84	NO	0.14041	0.14041
5 Total Tetra-Furans	24.51	7.120e1	8.064e1	0.88	NO	0.18221	0.18221
6 Total Tetra-Furans	25.12	2.226e2	2.779e2	0.80	NO	0.60062	0.60062
7 Total Tetra-Furans	25.50	8.346e2	9.853e2	0.85	NO	2.1839	2.1839
8 Total Tetra-Furans	26.23	1.093e2	9.408e1	1.16	YES	0.19964	0.00000
9 2,3,7,8-TCDF	26.37	8.186e2	1.068e3	0.77	NO	2.2637	2.2637
10 Total Tetra-Furans	26.77	7.841e1	9.790e1	0.81	NO	0.21066	0.21066



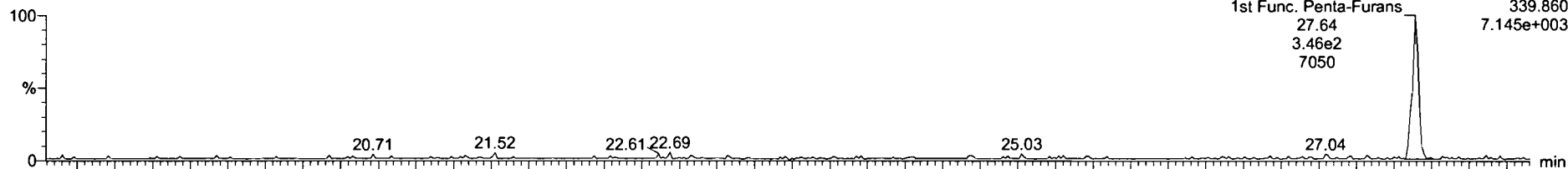
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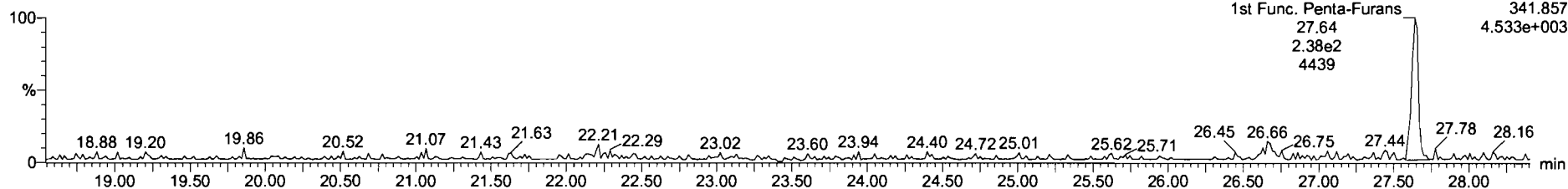
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1st Func. Penta-Furans

210525D2_4

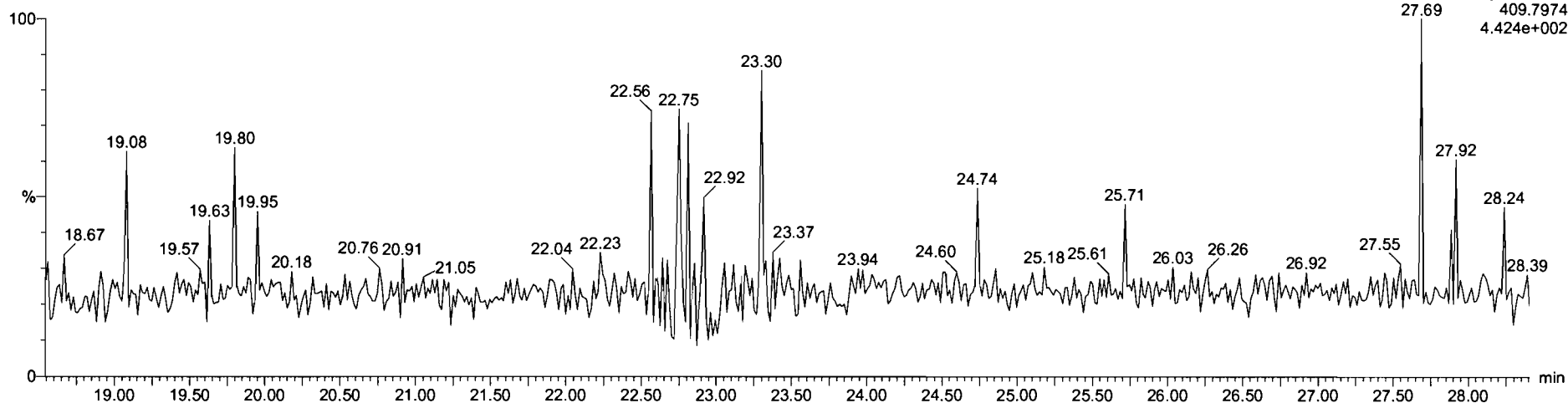


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DPE6

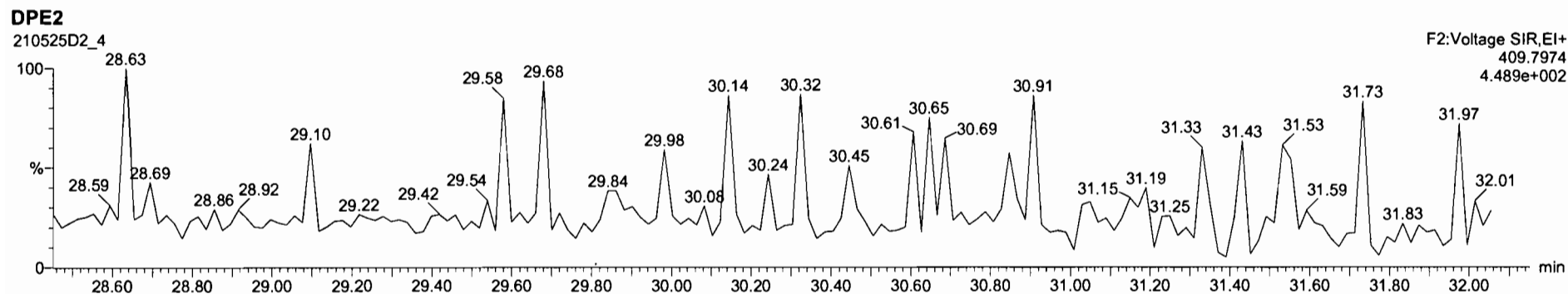
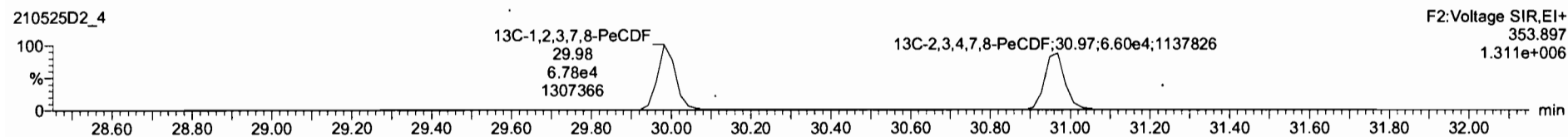
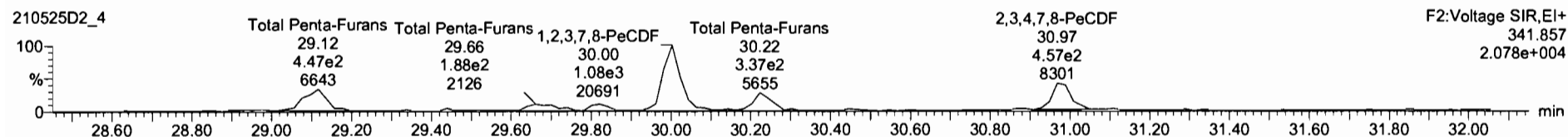
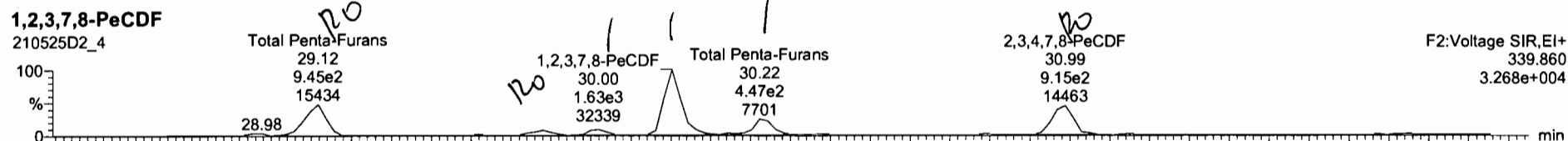
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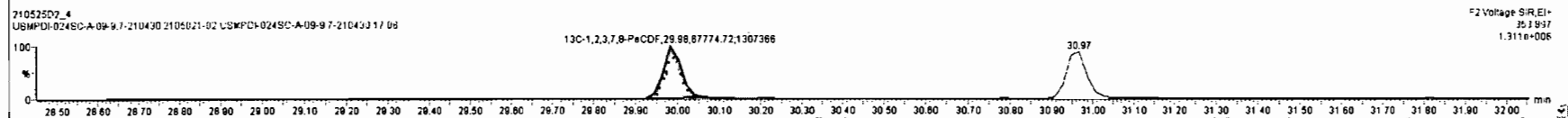
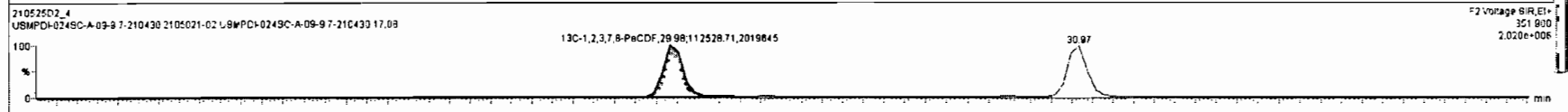
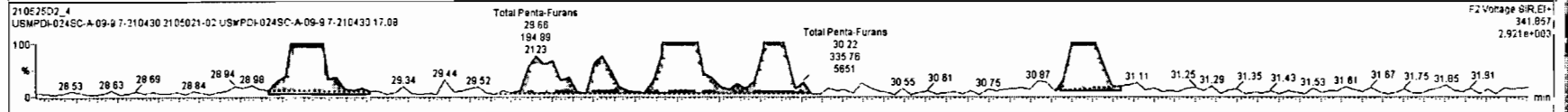
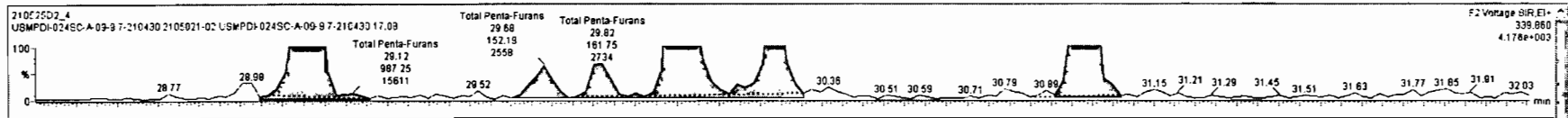
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Name	Resp	RA	n/y	RRF	wtAvr	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Furans				1.07	10.038			20.0	0.851	20.0	
43 Total Tetra-Furans				0.86	10.038			6.22	0.137	7.11	
44 1st Func. Penta-Furans				0.95	10.038			0.687	0.0436	0.687	
45 Total Penta-Furans				0.95	10.038			4.95	0.147	7.88	
46 Total Hexa-Furans				1.12	10.038			10.7	0.249	10.7	
47 Total Hepta-Furans				1.16	10.038			9.81	0.483	9.81	
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.12	9.87e2	4.98e2	1.98	YES	1.4580	0.00000
2 Total Penta-Furans	29.89	1.527e2	1.849e2	0.82	YES	0.29452	0.00000
3 Total Penta-Furans	29.82	1.818e2	1.185e2	1.38	NO	0.32721	0.32721
4 1,2,3,7,8-PeCDF	30.00	1.890e3	1.078e3	1.57	NO	3.2254	3.2254
5 Total Penta-Furans	30.22	5.104e2	3.258e2	1.52	NO	0.89533	0.89533
6 2,3,4,7,8-PeCDF	30.89	9.139e2	4.784e2	1.91	YES	1.3242	0.00000

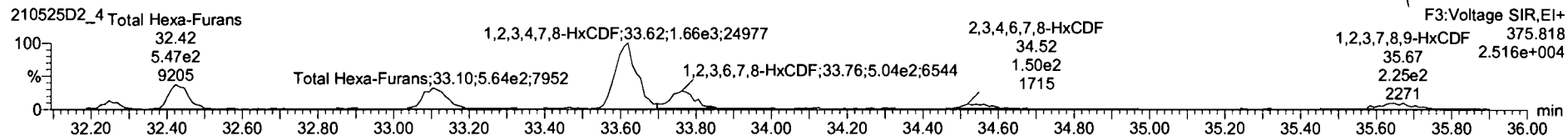
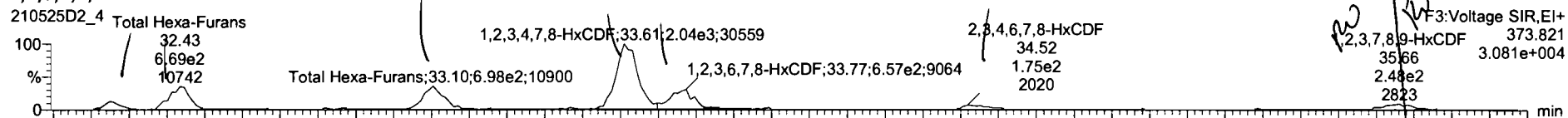


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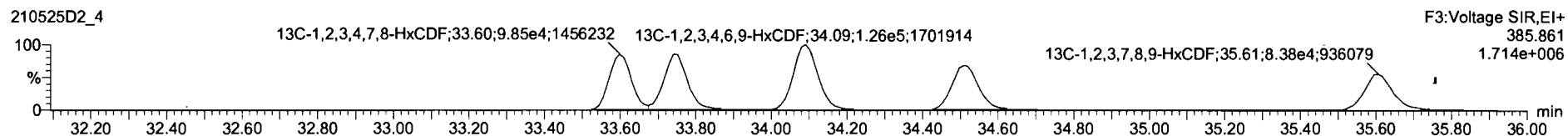
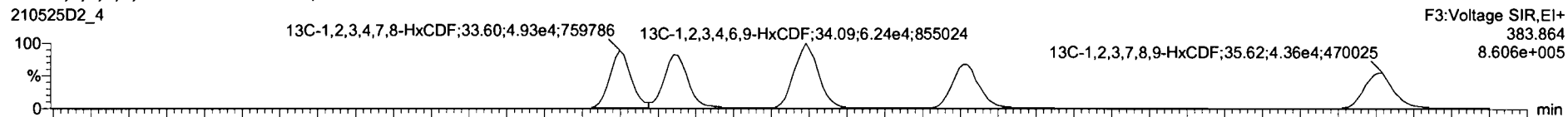
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Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430

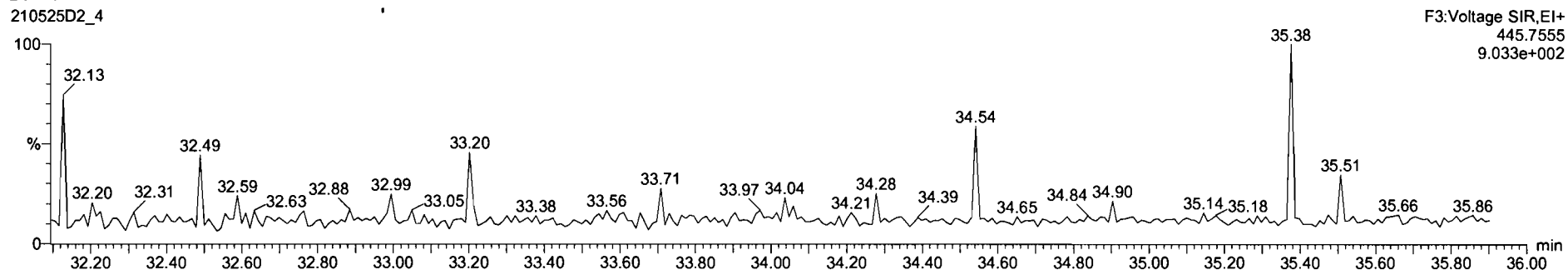
1,2,3,4,7,8-HxCDF



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



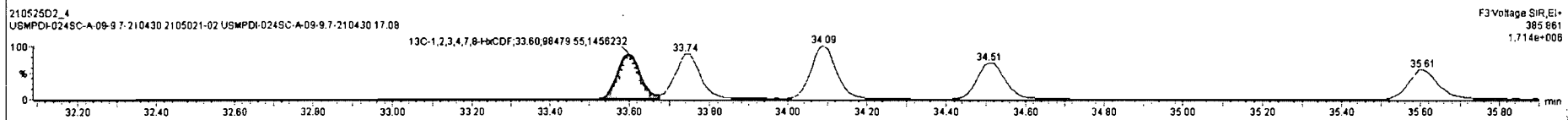
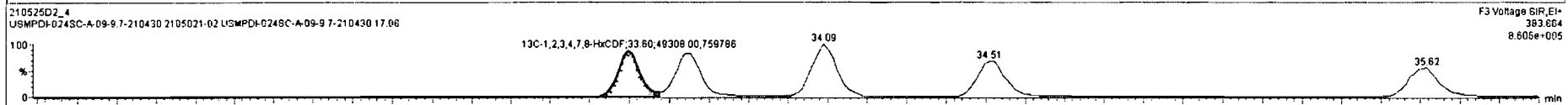
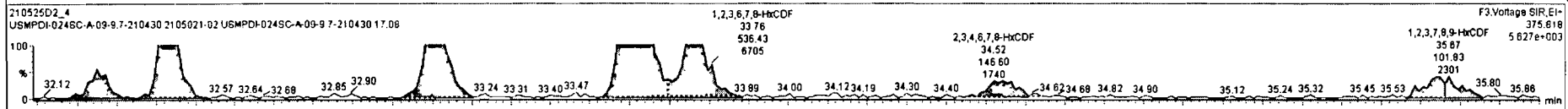
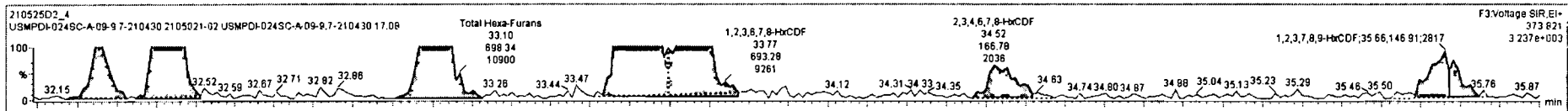
DPE3



210525D2_4 - 2105021-02 USMPDI-024SC-A-09-9 7-210430 17.08 - USMPDI-024SC-A-09-9 7-210430

#	Name	Resp	RA	nly	RRF	wtAvd	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.07	10.039			20.0		0.651	20.0
43	Total Tetra-Furans				0.86	10.039			8.22		0.137	7.11
44	1st Func. Penta-Furans				0.95	10.039			0.687		0.0496	0.687
45	Total Penta-Furans				0.95	10.039			4.55		0.147	7.66
46	Total Hexa-Furans				1.12	10.039			10.2		0.248	10.7
47	Total Hepta-Furans				1.16	10.039			9.61		0.483	9.61
48	PFK1											
49	PFK2											

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Hexa-Furans	32.25	1.952e2	1.662e2	1.17	NO	0.44785	0.44785
2	Total Hexa-Furans	32.43	6.897e2	5.632e2	1.22	NO	1.5524	1.5524
3	Total Hexa-Furans	33.10	6.983e2	5.891e2	1.23	NO	1.5705	1.5705
4	1,2,3,4,7,8-HxCDF	33.61	2.051e3	1.667e3	1.23	NO	4.8068	4.8068
5	1,2,3,6,7,8-HxCDF	33.77	6.933e2	5.364e2	1.29	NO	1.4450	1.4450
6	2,3,4,6,7,8-HxCDF	34.52	1.668e2	1.466e2	1.14	NO	0.39149	0.39149
7	1,2,3,7,8,9-HxCDF	35.66	1.469e2	1.018e2	1.44	YES	0.32478	0.00000
8	Total Hexa-Furans	35.68	8.034e1	1.316e2	0.61	YES	0.17992	0.00000



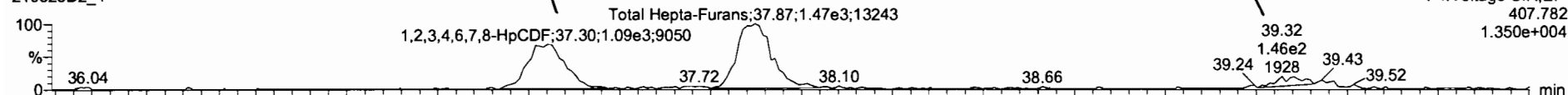
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Printed: Wednesday, May 26, 2021 12:22:52 Pacific Daylight Time

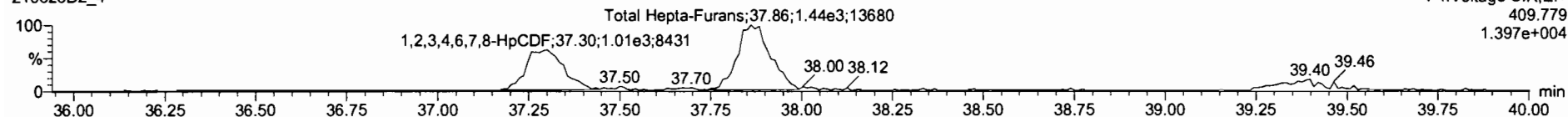
Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430

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

210525D2_4

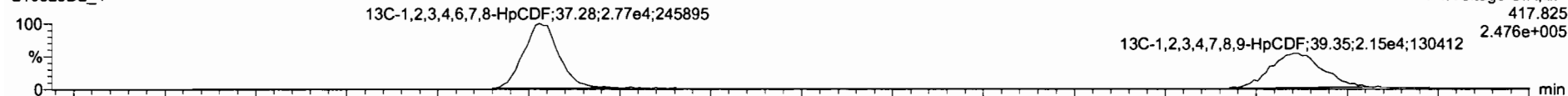


210525D2_4

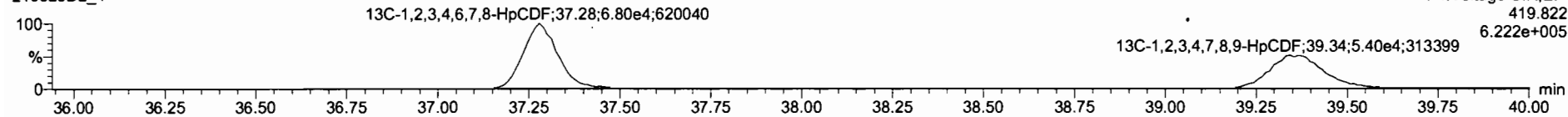


13C-1,2,3,4,6,7,8-HpCDF

210525D2_4

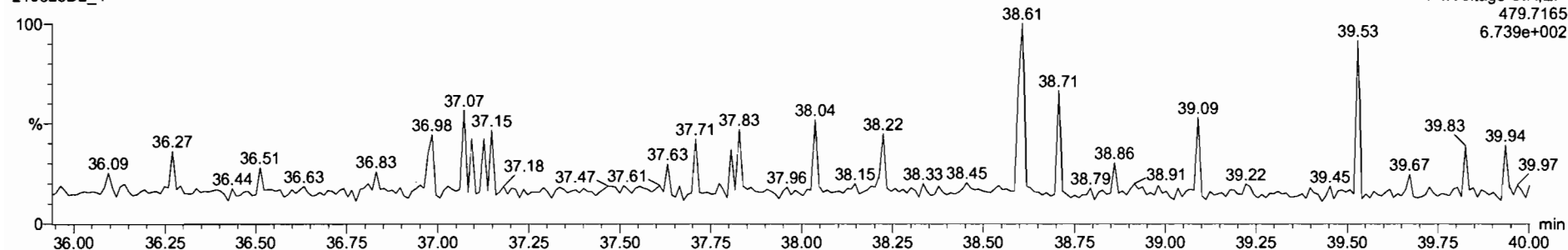


210525D2_4



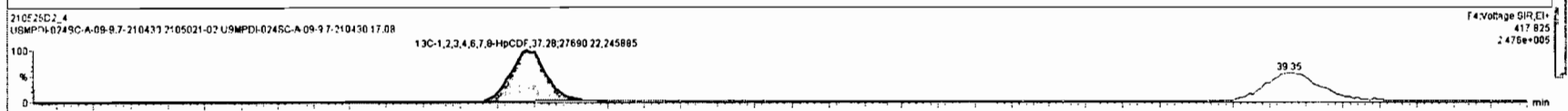
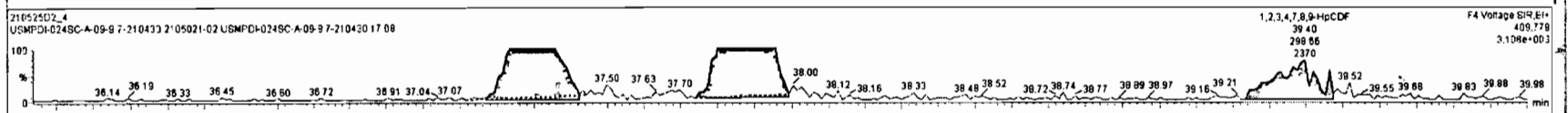
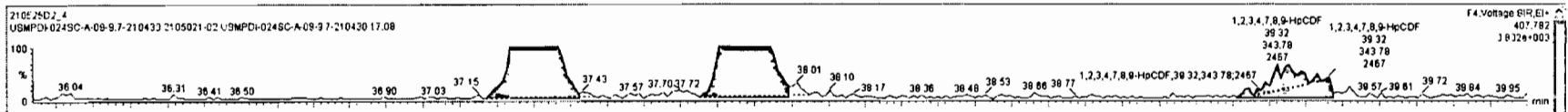
DPE4

210525D2_4



Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	10.039			3.33		0.443	3.82
42 Total Hepta-Dioxins				1.07	10.039			20.0		0.651	20.0
43 Total Tetra-Furans				0.86	10.039			6.22		0.137	7.11
44 1st Func. Penta-Furans				0.95	10.039			0.687		0.0496	0.687
45 Total Penta-Furans				0.85	10.036			4.55		0.147	7.66
46 Total Hexa-Furans				1.12	10.036			10.2		0.249	10.7
47 Total Hepta-Furans				1.16	10.036			11.1		0.483	11.1
48 PFK1											

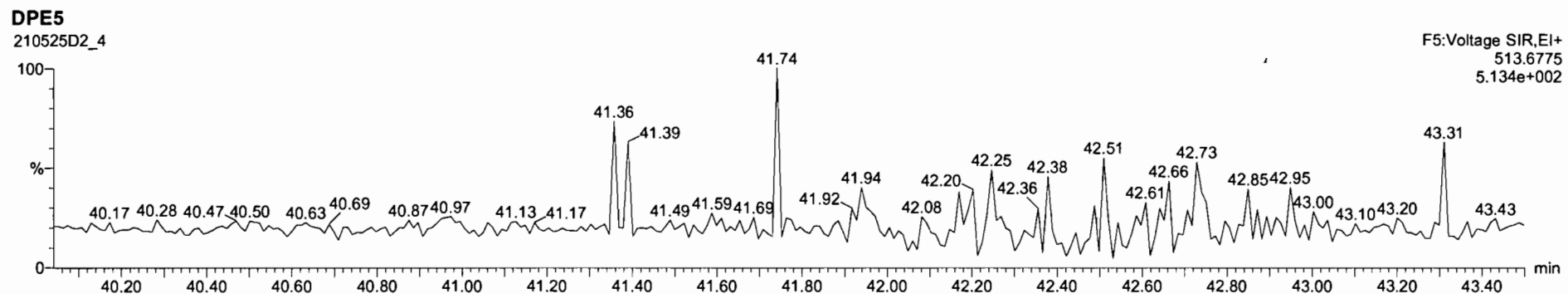
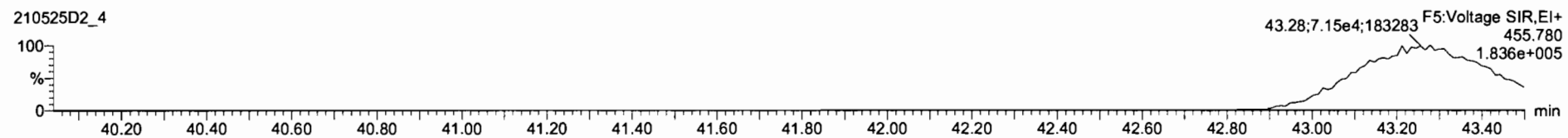
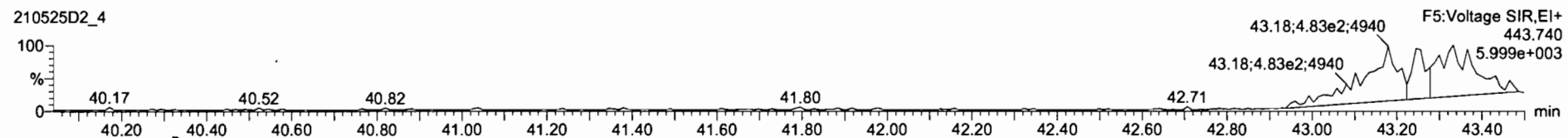
Name	RT	ref Resp	in2 Resp	RA	nHy	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.30	1.084e3	1.043e3	1.04	NO	3.8174	3.8174
2 Total Hepta-Furans	37.87	1.459e3	1.455e3	1.00	NO	5.8440	5.8440
3 1,2,3,4,7,8,9-HpCDF	39.32	3.439e2	2.907e2	1.15	NO	1.4278	1.4278



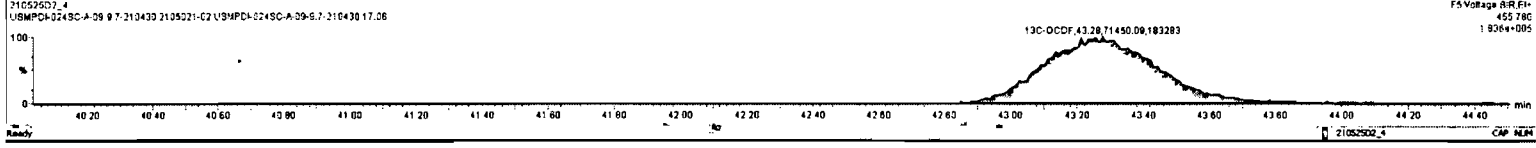
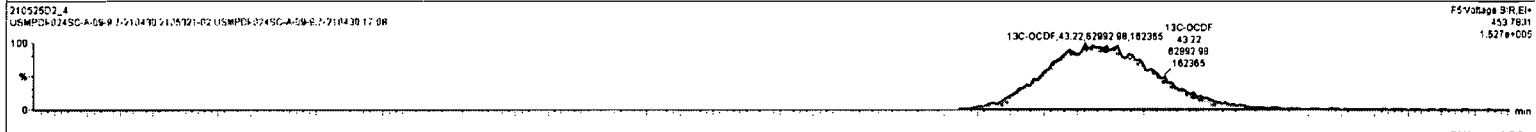
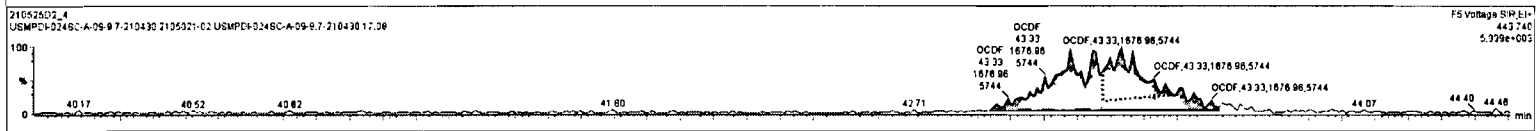
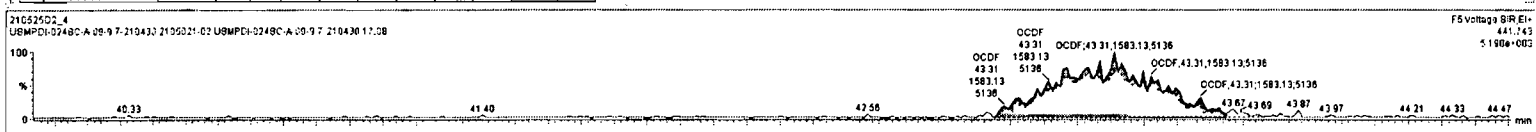
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Last Altered: Wednesday, May 26, 2021 12:22:21 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:22:52 Pacific Daylight Time

Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430



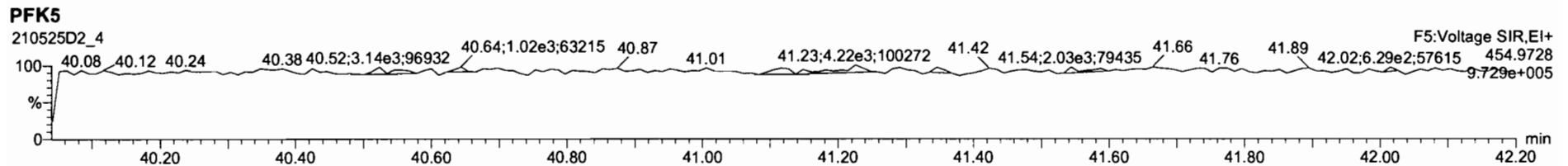
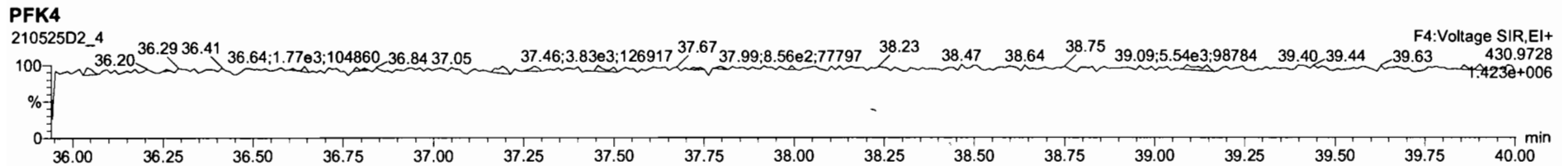
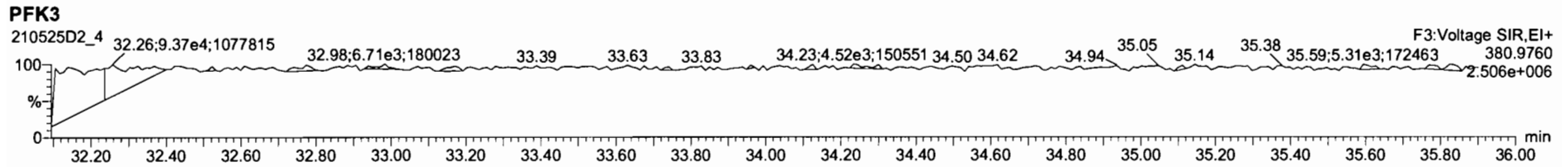
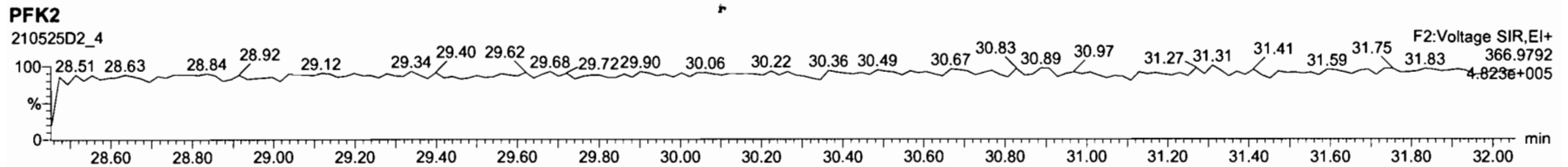
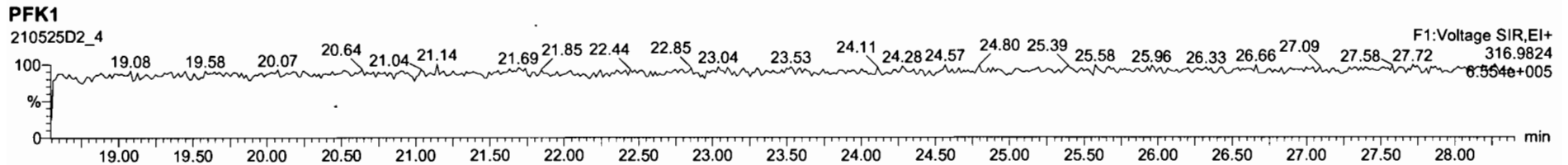
Name	Temp	RA	WV	PMW	WVWd	RT	RRT	Conc	%Rec	DL	ENPC
15 1,2,3,4,7,8-HeCDF	2.10e3	1.08	NO	1.16	10.039	37.30	1.001	3.77		0.350	3.77
16 1,2,3,4,7,8-HeCDF			NO	1.19	10.039					0.837	
17 OCDF	3.26e4	0.84	NO	0.91	10.039	43.31	1.002	10.6		2.45	10.6
18 13C-1,2,3,7,8-HeCDD	1.09e5	0.76	NO	1.15	10.039	26.92	1.025	1.20	80.1	0.274	
19 13C-1,2,3,7,8-HeCDD	1.05e5	0.82	NO	0.89	10.039	31.13	1.06	1.48	74.3	0.369	
20 13C-1,2,3,4,7,8-HeCDD	8.05e4	1.37	NO	0.65	10.039	34.84	1.016	1.33	66.1	1.01	
21 13C-1,2,3,7,8-HeCDD	1.09e5	1.30	NO	0.72	10.039	34.78	1.020	1.52	79.3	0.905	
22 13C-1,2,3,7,8-HeCDD	1.05e5	1.30	NO	0.71	10.039	35.03	1.028	1.56	79.3	0.908	
23 13C-1,2,3,4,7,8-HeCDD	7.80e4	1.08	NO	0.58	10.039	36.55	1.131	1.41	70.9	1.14	
24 13C-OCDF	0.39e4	0.90	NO	0.45	10.039	42.94	1.259	2.20	55.1	1.79	
25 13C-1,2,3,7,8-HeCDF	1.82e5	0.77	NO	1.09	10.039	26.34	1.035	1.11	55.8	0.273	
26 13C-1,2,3,7,8-HeCDF	1.80e5	1.88	NO	0.80	10.039	29.98	1.142	1.41	70.9	0.584	
27 13C-1,2,3,4,7,8-HeCDF	1.77e5	1.88	NO	0.79	10.039	30.97	1.178	1.41	70.7	0.584	
28 13C-1,2,3,4,7,8-HeCDF	1.48e5	0.50	NO	1.00	10.039	33.80	0.986	1.57	78.6	1.01	
29 13C-1,2,3,4,7,8-HeCDF	1.58e5	0.50	NO	1.03	10.039	33.74	0.980	1.62	81.4	0.983	



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-4.qld

Last Altered: Wednesday, May 26, 2021 12:22:21 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:22:52 Pacific Daylight Time

Name: 210525D2_4, Date: 25-May-2021, Time: 13:39:06, ID: 2105021-02 USMPDI-024SC-A-09-9.7-210430 17.08, Description: USMPDI-024SC-A-09-9.7-210430



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-5.qld

Last Altered: Monday, June 07, 2021 11:06:37 Pacific Daylight Time

Printed: Monday, June 07, 2021 11:07:09 Pacific Daylight Time

Hz 6-7-2021

CT 06/07/2021

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.67e2	0.25	YES	1.05	10.145	26.95	1.001	0.33096		0.0721	0.153
2	1,2,3,7,8-PeCDD			NO	0.881	10.145					0.247	
3	1,2,3,4,7,8-HxCDD			NO	1.14	10.145					0.407	
4	1,2,3,6,7,8-HxCDD	4.50e2	1.14	NO	1.01	10.145	34.77	1.000	0.98048		0.420	0.980
5	1,2,3,7,8,9-HxCDD			NO	1.02	10.145					0.426	
6	1,2,3,4,6,7,8-HpCDD	6.78e3	1.06	NO	1.07	10.145	38.62	1.000	19.334		2.09	19.3
7	OCDD	6.56e4	0.88	NO	1.00	10.145	42.44	1.000	298.67		4.68	299
8	2,3,7,8-TCDF	4.68e3	0.77	NO	0.864	10.145	26.37	1.001	6.4763		0.148	6.48
9	1,2,3,7,8-PeCDF	7.23e3	1.54	NO	0.948	10.145	30.06	1.001	9.3744		0.206	9.37
10	2,3,4,7,8-PeCDF	4.02e3	1.67	NO	1.04	10.145	31.03	1.001	5.0233		0.207	5.02
11	1,2,3,4,7,8-HxCDF	9.63e3	1.26	NO	1.04	10.145	33.71	1.000	14.142		0.262	14.1
12	1,2,3,6,7,8-HxCDF	3.09e3	1.29	NO	1.07	10.145	33.82	1.000	3.8768		0.248	3.88
13	2,3,4,6,7,8-HxCDF	9.39e2	1.24	NO	1.12	10.145	34.55	1.000	1.3003		0.269	1.30
14	1,2,3,7,8,9-HxCDF	5.21e2	1.28	NO	1.10	10.145	35.68	1.001	0.86248		0.387	0.862
15	1,2,3,4,6,7,8-HpCDF	5.13e3	1.10	NO	1.16	10.145	37.33	1.001	10.400		0.453	10.4
16	1,2,3,4,7,8,9-HpCDF	1.58e3	1.17	NO	1.19	10.145	39.35	1.001	3.6768		0.787	3.68
17	OCDF	8.88e3	0.89	NO	0.909	10.145	42.78	1.001	29.581		3.66	29.6
18	13C-2,3,7,8-TCDD	9.47e4	0.78	NO	1.15	10.145	26.94	1.025	120.62	61.2	0.254	
19	13C-1,2,3,7,8-PeCDD	9.65e4	0.63	NO	0.887	10.145	31.19	1.187	158.70	80.5	0.369	
20	13C-1,2,3,4,7,8-HxCDD	7.51e4	1.29	NO	0.645	10.145	34.64	1.014	135.36	68.7	1.00	
21	13C-1,2,3,6,7,8-HxCDD	8.96e4	1.29	NO	0.717	10.145	34.76	1.018	145.42	73.8	0.900	
22	13C-1,2,3,7,8,9-HxCDD	9.54e4	1.29	NO	0.714	10.145	35.06	1.026	155.45	78.9	0.904	
23	13C-1,2,3,4,6,7,8-HpCDD	6.50e4	1.06	NO	0.583	10.145	38.62	1.131	129.59	65.7	1.95	
24	13C-OCDD	8.64e4	0.87	NO	0.451	10.145	42.43	1.242	222.74	56.5	4.61	
25	13C-2,3,7,8-TCDF	1.65e5	0.77	NO	1.09	10.145	26.36	1.003	107.85	54.7	0.295	
26	13C-1,2,3,7,8-PeCDF	1.60e5	1.64	NO	0.805	10.145	30.04	1.143	141.89	72.0	0.496	
27	13C-2,3,4,7,8-PeCDF	1.52e5	1.65	NO	0.792	10.145	31.01	1.180	136.91	69.4	0.504	
28	13C-1,2,3,4,7,8-HxCDF	1.29e5	0.50	NO	0.997	10.145	33.70	0.987	150.24	76.2	0.830	
29	13C-1,2,3,6,7,8-HxCDF	1.46e5	0.52	NO	1.03	10.145	33.82	0.990	165.61	84.0	0.805	
30	13C-2,3,4,6,7,8-HxCDF	1.27e5	0.51	NO	0.940	10.145	34.54	1.011	157.83	80.1	0.881	

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-5.qld

Last Altered: Monday, June 07, 2021 11:06:37 Pacific Daylight Time

Printed: Monday, June 07, 2021 11:07:09 Pacific Daylight Time

Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	1.08e5	0.49	NO	0.852	10.145	35.64	1.043	147.85	75.0	0.971	
32	13C-1,2,3,4,6,7,8-HpCDF	8.39e4	0.43	NO	0.727	10.145	37.31	1.092	134.29	68.1	1.21	
33	13C-1,2,3,4,7,8,9-HpCDF	7.12e4	0.41	NO	0.608	10.145	39.33	1.151	136.24	69.1	1.45	
34	13C-OCDF	1.30e5	0.89	NO	0.631	10.145	42.75	1.252	240.19	60.9	0.773	
35	37Cl-2,3,7,8-TCDD	8.17e4			2.22	10.145	26.95	1.026	53.685	68.1	0.0559	
36	13C-1,2,3,4-TCDD	1.35e5	0.80	NO	1.00	10.145	26.28	1.000	197.14	100	0.291	
37	13C-1,2,3,4-TCDF	2.77e5	0.79	NO	1.00	10.145	25.04	1.000	197.14	100	0.322	
38	13C-1,2,3,4,6,9-HxCDF	1.69e5	0.50	NO	1.00	10.145	34.16	1.000	197.14	100	0.828	
39	Total Tetra-Dioxins				1.05	10.145			0.27067		0.0731	0.497
40	Total Penta-Dioxins				0.881	10.145			0.00000		0.247	0.480
41	Total Hexa-Dioxins				1.01	10.145			7.0961		0.435	7.39
42	Total Hepta-Dioxins				1.07	10.145			46.347		2.09	46.3
43	Total Tetra-Furans				0.864	10.145			21.992		0.148	23.5
44	1st Func. Penta-Furans				0.948	10.145			1.9204		0.0542	1.92
45	Total Penta-Furans				0.948	10.145			25.716		0.216	25.7
46	Total Hexa-Furans				1.12	10.145			31.405		0.278	31.4
47	Total Hepta-Furans				1.16	10.145			30.362		0.615	30.4

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-5.qld

Last Altered: Monday, June 07, 2021 11:06:37 Pacific Daylight Time

Printed: Monday, June 07, 2021 11:07:09 Pacific Daylight Time

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430, Task: ST210525D2-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	23.83	6.490e2	1.647e3	5.572e1	8.057e1	0.69	NO	1.363e2	0.27067	0.27067	0.0731
2	Total Tetra-Dioxins	24.06	6.030e2	8.380e2	3.021e1	2.085e1	1.45	YES	0.000e0	0.00000	0.073297	0.0731
3	2,3,7,8-TCDD	26.95	7.280e2	2.569e3	3.355e1	1.331e2	0.25	YES	1.667e2	0.00000	0.15313	0.0731

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.06	1.138e3	1.781e3	8.334e1	1.237e2	0.67	NO	0.000e0	0.00000	0.47975	0.247

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.87	1.060e4	1.004e4	7.424e2	5.905e2	1.26	NO	1.333e3	2.9995	2.9995	0.435
2	Total Hexa-Dioxins	33.56	9.320e2	9.740e2	8.495e1	5.859e1	1.45	YES	0.000e0	0.00000	0.29535	0.435
3	Total Hexa-Dioxins	33.87	8.806e3	7.094e3	7.616e2	6.232e2	1.22	NO	1.385e3	3.1162	3.1162	0.435
4	1,2,3,6,7,8-HxCDD	34.77	3.076e3	3.028e3	2.395e2	2.107e2	1.14	NO	4.502e2	0.98048	0.98048	0.420

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.62	4.616e4	4.159e4	4.823e3	4.656e3	1.04	NO	9.480e3	27.013	27.013	2.09
2	1,2,3,4,6,7,8-HpCDD	38.62	2.224e4	2.190e4	3.497e3	3.287e3	1.06	NO	6.785e3	19.334	19.334	2.09

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-5.qld

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Printed: Monday, June 07, 2021 11:07:09 Pacific Daylight Time

Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430, Task: ST210525D2-1

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	22.46	8.000e2	1.654e3	7.500e1	1.133e2	0.66	NO	1.883e2	0.26032	0.26032	0.148
2 Total Tetra-Furans	23.13	3.821e3	5.543e3	3.217e2	4.172e2	0.77	NO	7.388e2	1.0214	1.0214	0.148
3 Total Tetra-Furans	23.51	1.688e3	2.555e3	1.939e2	2.969e2	0.65	YES	0.000e0	0.00000	0.61635	0.148
4 Total Tetra-Furans	23.85	9.881e3	1.321e4	7.513e2	9.539e2	0.79	NO	1.705e3	2.3574	2.3574	0.148
5 Total Tetra-Furans	24.22	4.703e3	5.170e3	3.467e2	3.966e2	0.87	NO	7.434e2	1.0277	1.0277	0.148
6 Total Tetra-Furans	24.32	1.034e3	1.625e3	4.602e1	8.353e1	0.55	YES	0.000e0	0.00000	0.14623	0.148
7 Total Tetra-Furans	24.49	2.988e3	3.953e3	1.872e2	2.445e2	0.77	NO	4.317e2	0.59678	0.59678	0.148
8 Total Tetra-Furans	25.13	5.144e3	6.130e3	4.405e2	5.634e2	0.78	NO	1.004e3	1.3879	1.3879	0.148
9 Total Tetra-Furans	25.52	3.645e4	4.660e4	2.279e3	2.938e3	0.78	NO	5.217e3	7.2123	7.2123	0.148
10 Total Tetra-Furans	25.79	1.766e3	2.356e3	9.994e1	1.248e2	0.80	NO	2.248e2	0.31071	0.31071	0.148
11 Total Tetra-Furans	26.26	4.449e3	6.879e3	2.760e2	3.593e2	0.77	NO	6.353e2	0.87822	0.87822	0.148
12 2,3,7,8-TCDF	26.37	3.313e4	4.378e4	2.038e3	2.647e3	0.77	NO	4.685e3	6.4763	6.4763	0.148
13 Total Tetra-Furans	26.63	2.532e3	3.668e3	1.516e2	1.837e2	0.83	NO	3.353e2	0.46350	0.46350	0.148
14 Total Tetra-Furans	26.86	1.143e3	9.750e2	5.999e1	4.830e1	1.24	YES	0.000e0	0.00000	0.11818	0.148
15 Total Tetra-Furans	28.01	4.491e3	4.608e3	2.485e2	2.637e2	0.94	YES	0.000e0	0.00000	0.64535	0.148

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	27.67	1.558e4	9.413e3	8.624e2	5.808e2	1.48	NO	1.443e3	1.9204	1.9204	0.0542

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-5.qld

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Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430, Task: ST210525D2-1

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Furans	28.98	2.187e3	1.624e3	1.545e2	1.037e2	1.49	NO	2.582e2	0.34356	0.34356	0.216
2 Total Penta-Furans	29.14	3.296e4	2.227e4	2.336e3	1.586e3	1.47	NO	3.922e3	5.2188	5.2188	0.216
3 Total Penta-Furans	29.72	3.636e3	3.196e3	3.119e2	1.919e2	1.63	NO	5.038e2	0.67037	0.67037	0.216
4 Total Penta-Furans	29.86	8.177e3	5.128e3	5.659e2	3.781e2	1.50	NO	9.440e2	1.2561	1.2561	0.216
5 1,2,3,7,8-PeCDF	30.06	6.746e4	4.550e4	4.379e3	2.849e3	1.54	NO	7.228e3	9.3744	9.3744	0.206
6 Total Penta-Furans	30.30	2.391e4	1.422e4	1.619e3	1.028e3	1.57	NO	2.646e3	3.5213	3.5213	0.216
7 2,3,4,7,8-PeCDF	31.03	4.172e4	2.165e4	2.515e3	1.508e3	1.67	NO	4.023e3	5.0233	5.0233	0.207
8 Total Penta-Furans	31.87	2.251e3	1.417e3	1.385e2	9.274e1	1.49	NO	2.312e2	0.30769	0.30769	0.216

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	4.976e3	5.362e3	4.165e2	3.661e2	1.14	NO	7.826e2	1.0812	1.0812	0.278
2 Total Hexa-Furans	32.53	2.397e4	1.827e4	1.776e3	1.425e3	1.25	NO	3.201e3	4.4219	4.4219	0.278
3 Total Hexa-Furans	33.19	2.128e4	1.795e4	1.940e3	1.534e3	1.27	NO	3.474e3	4.8001	4.8001	0.278
4 1,2,3,4,7,8-HxCDF	33.71	6.915e4	5.402e4	5.369e3	4.266e3	1.26	NO	9.635e3	14.142	14.142	0.262
5 1,2,3,6,7,8-HxCDF	33.82	2.182e4	1.740e4	1.741e3	1.351e3	1.29	NO	3.092e3	3.8768	3.8768	0.248
6 2,3,4,6,7,8-HxCDF	34.55	7.198e3	5.000e3	5.208e2	4.184e2	1.24	NO	9.393e2	1.3003	1.3003	0.269
7 1,2,3,7,8,9-HxCDF	35.68	6.890e3	4.105e3	2.927e2	2.279e2	1.28	NO	5.206e2	0.86248	0.86248	0.387
8 Total Hexa-Furans	35.73	6.707e3	5.565e3	3.705e2	2.959e2	1.25	NO	6.665e2	0.92079	0.92079	0.278

Hepta-Furans

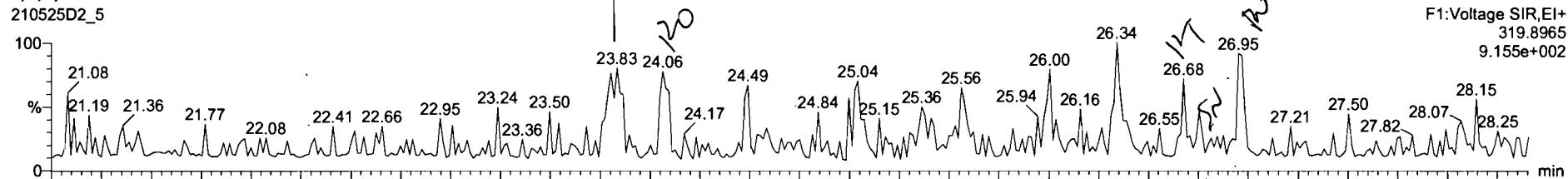
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 1,2,3,4,6,7,8-HpCDF	37.33	2.595e4	2.338e4	2.684e3	2.450e3	1.10	NO	5.134e3	10.400	10.400	0.453
2 Total Hepta-Furans	37.90	3.316e4	2.952e4	3.823e3	3.606e3	1.06	NO	7.429e3	16.285	16.285	0.615
3 1,2,3,4,7,8,9-HpCDF	39.35	6.815e3	6.048e3	8.481e2	7.277e2	1.17	NO	1.576e3	3.6768	3.6768	0.787

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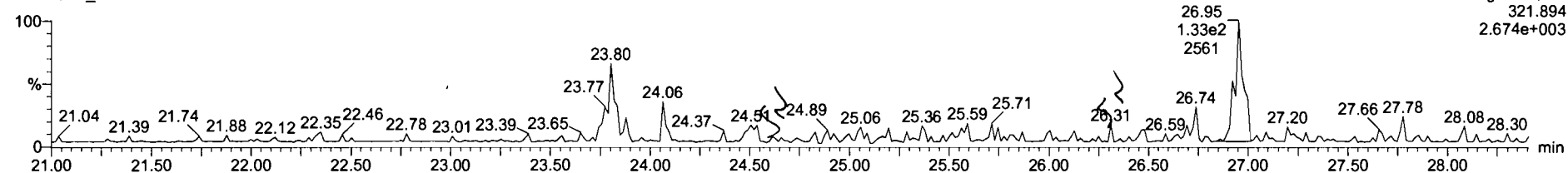
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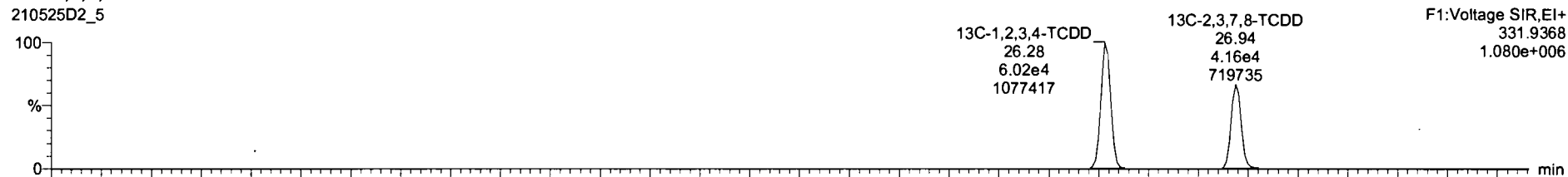
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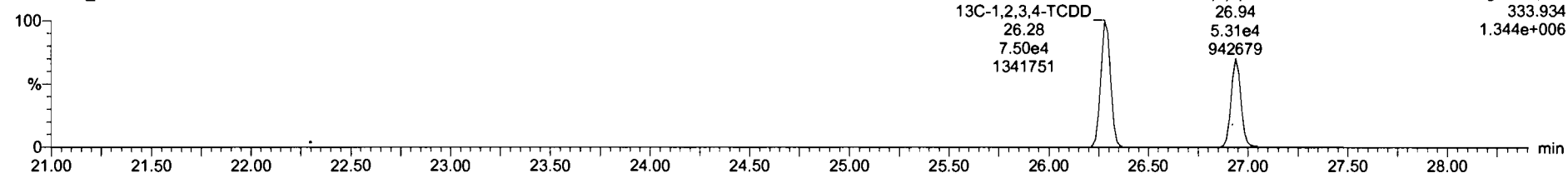
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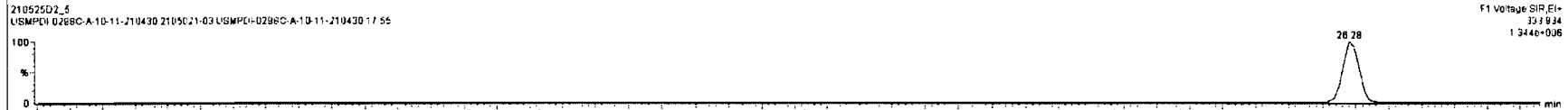
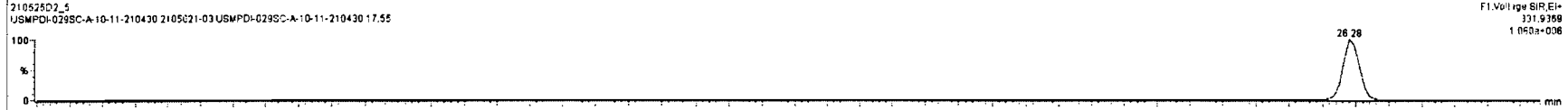
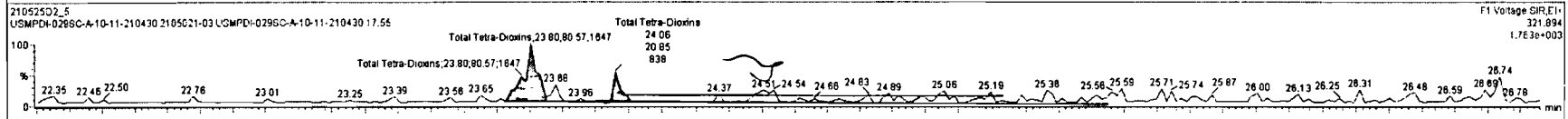
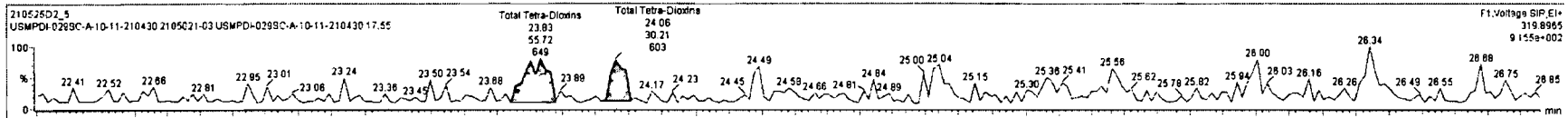


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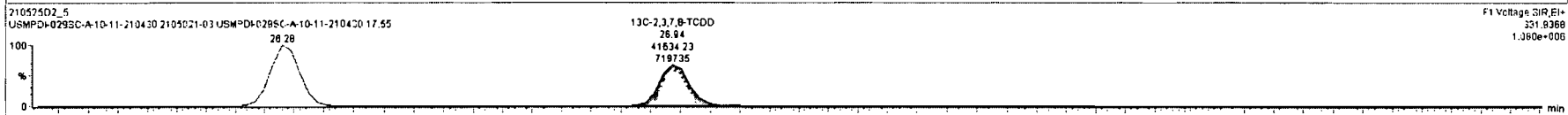
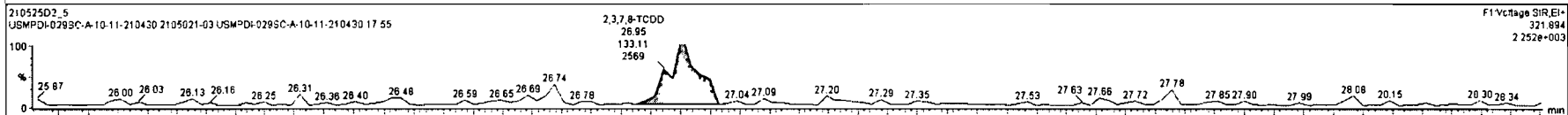
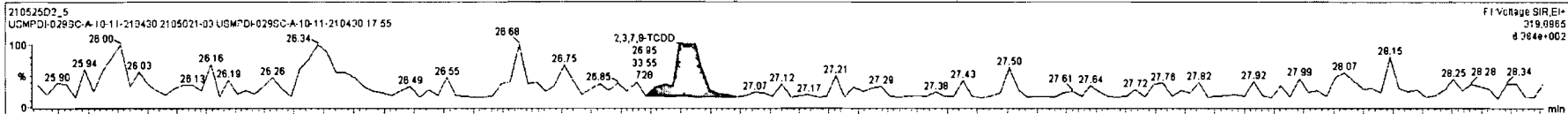
Name	Resp	RA	n/y	RF	wt/Av	RT	RRT	Conc.	%Rec	DL	EMPC
34 13C-OCDF	1.30e5	0.89	NO	0.83	10.145	42.75	1.252	240	60.9	0.773	
35 37C-2,3,7,8-TCDD	8.17e4			2.22	10.145	26.95	1.026	53.7	68.1	0.0559	
36 13C-1,2,3,4-TCDD	1.35e5	0.80	NO	1.00	10.145	26.26	1.000	197	100	0.291	
37 13C-1,2,3,4-TCDF	2.77e5	0.79	NO	1.00	10.145	25.04	1.000	197	100	0.322	
38 13C-1,2,3,4,6,8-HxCDF	1.69e5	0.50	NO	1.00	10.145	34.16	1.000	197	100	0.828	
39 Total Tetra-Dioxins				1.05	10.145			0.271		0.0731	0.497
40 Total Penta-Dioxins				0.86	10.145					0.131	
41 Total Hexa-Dioxins				1.01	10.145			5.90		0.435	5.90

Name	RT (s)	wt Resp	n/y Resp	RA	n/y	EMPC	Conc
1 Total Tetra-Dioxins	23.83	5.57e1	8.05e1	0.80	NO	0.27067	0.27067
2 Total Tetra-Dioxins	24.06	3.02e1	2.00e1	1.45	YES	0.073297	0.00000
3 2,3,7,8-TCDD	26.95	3.35e1	1.33e2	0.25	YES	0.15313	0.00000



Name	Resp	RA	ivY	RPF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
34 13C-OCDF	1.30e5	0.89	NO	0.83	10.145	42.75	1.252	240	80.9	0.773	
35 37C-2,3,7,8-TCDD	9.17e4			2.22	10.145	26.95	1.028	537	66.1	0.0569	
36 13C-1,2,3,4-TCDD	1.35e5	0.80	NO	1.00	10.145	26.28	1.000	197	100	0.291	
37 13C-1,2,3,4-TCDF	2.77e5	0.79	NO	1.00	10.145	25.04	1.000	197	100	0.322	
38 13C-1,2,3,4,6,9-HxCDF	1.69e5	0.50	NO	1.00	10.145	34.16	1.000	197	100	0.828	
39 Total Tetra-Dioxins				1.05	10.145			0.271		0.8731	0.497
40 Total Penta-Dioxins				0.88	10.145					0.131	
41 Total Hexa-Dioxins				1.01	10.145			5.90		0.435	5.90

Name	RT	m1 Resp	m2 Resp	RA	ivY	EMPC	Conc.
1 Total Tetra-Dioxins	23.83	5.572e1	8.057e1	0.68	NO	0.27067	0.27067
2 Total Tetra-Dioxins	24.08	3.021e1	2.085e1	1.45	YES	0.073297	0.00000
3 2,3,7,8-TCDD	26.95	3.355e1	1.331e2	0.25	YES	0.15313	0.00000



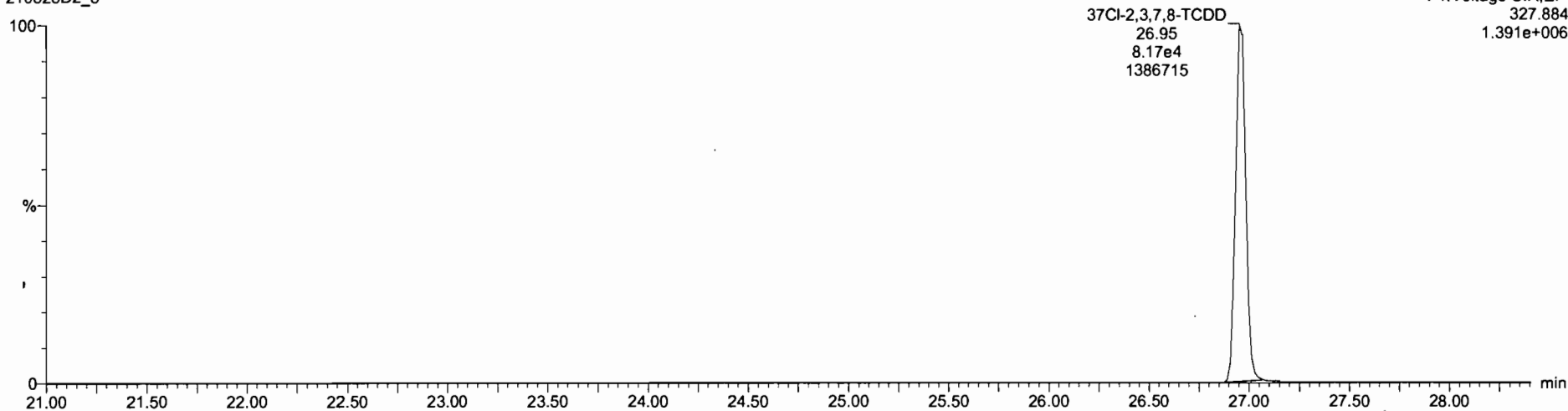
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37Cl-2,3,7,8-TCDD

210525D2_5

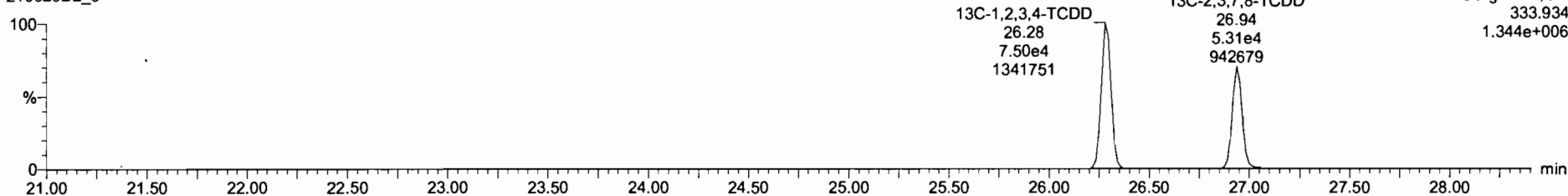


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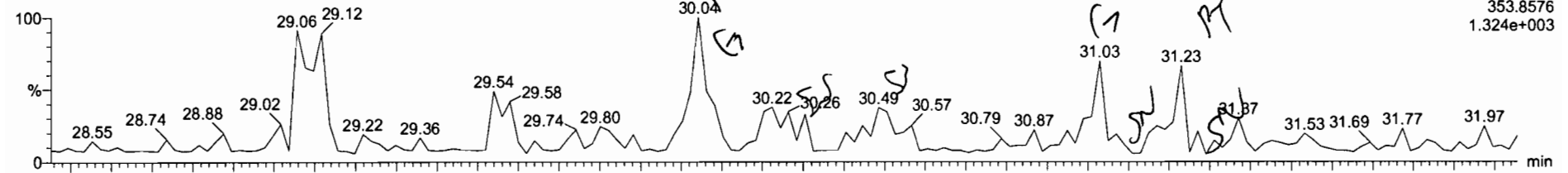
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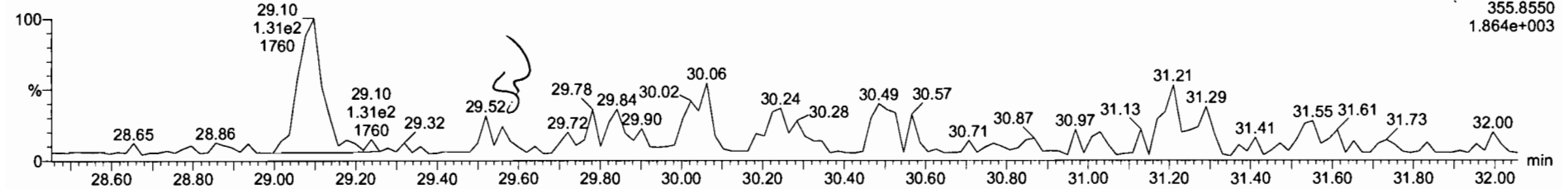
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1,2,3,7,8-PeCDD

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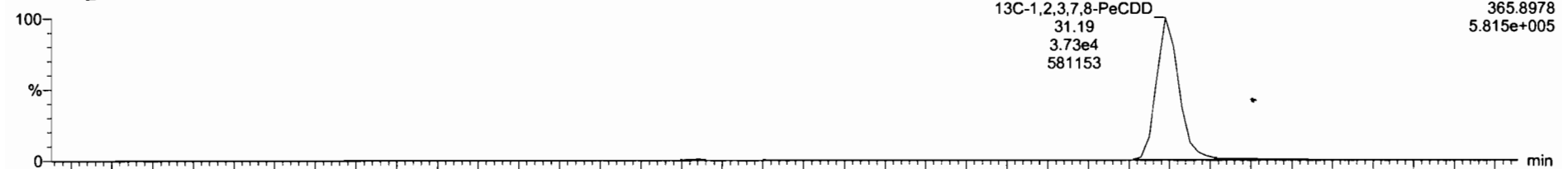


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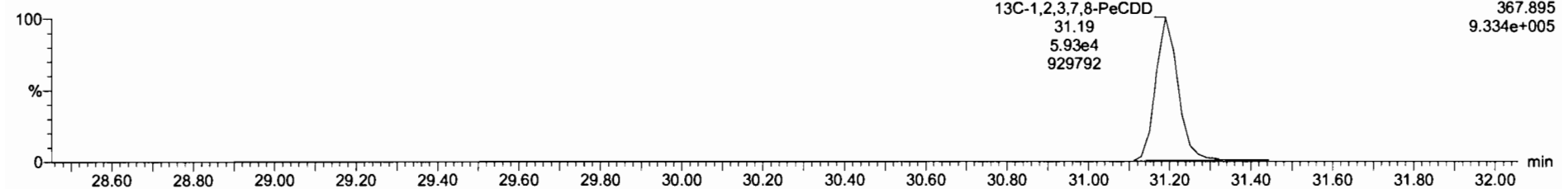


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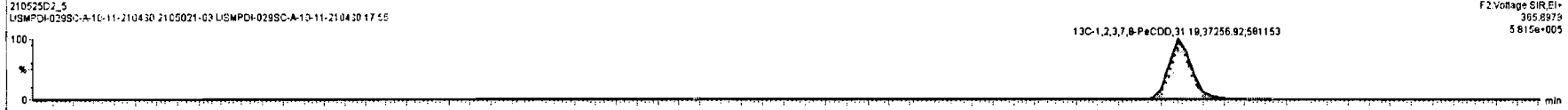
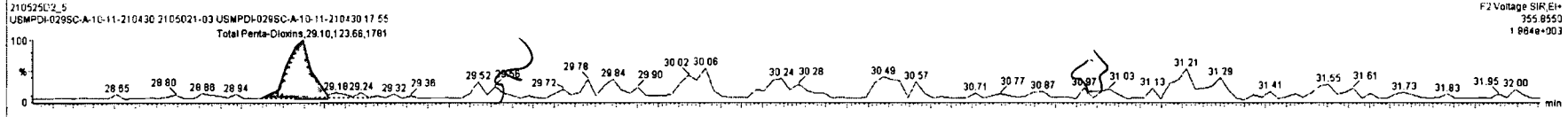
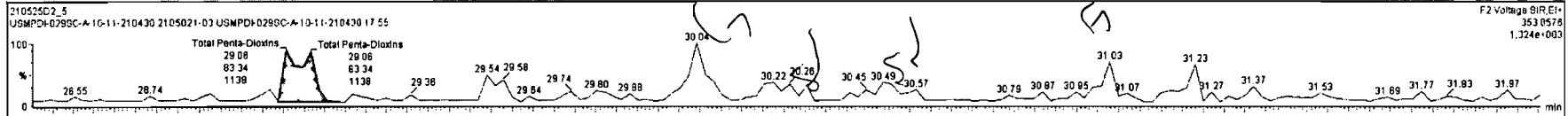
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21052502_5 - 2105021-03 USMPDI-029SC-A-10-11-210430 17 55 - USMPDI-029SC-A-10-11-210430

Name	Resp	RA	n/y	RRF	Wt/Al	RT	RRT	Conc.	%Rec	DL	EMPC
23 13C-1,2,3,4,6,7,8-HxCDD	6.50e4	1.06	NO	0.58	10.145	30.62	1.131	130	85.7	1.95	
24 13C-OCDD	8.64e4	0.87	NO	0.45	10.145	42.43	1.242	223	56.5	4.61	
25 13C-2,3,7,8-TCDF	1.65e5	0.77	NO	1.09	10.145	26.36	1.003	108	54.7	0.295	
26 13C-1,2,3,7,8-PeCDF	1.80e5	1.64	NO	0.80	10.145	30.04	1.143	142	72.0	0.498	
27 13C-2,3,4,7,8-PeCDF	1.52e5	1.85	NO	0.79	10.145	31.01	1.190	137	66.4	0.504	
28 13C-1,2,3,4,7,8-HxCDF	1.29e5	0.50	NO	1.00	10.145	33.70	0.987	150	76.2	0.830	
29 13C-1,2,3,6,7,8-HxCDF	1.46e5	0.52	NO	1.03	10.145	33.82	0.990	166	84.0	0.805	
30 13C-2,3,4,6,7,8-HxCDF	1.27e5	0.51	NO	0.94	10.145	34.54	1.011	158	80.1	0.881	

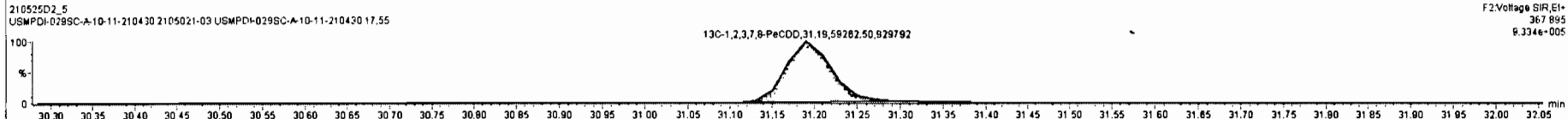
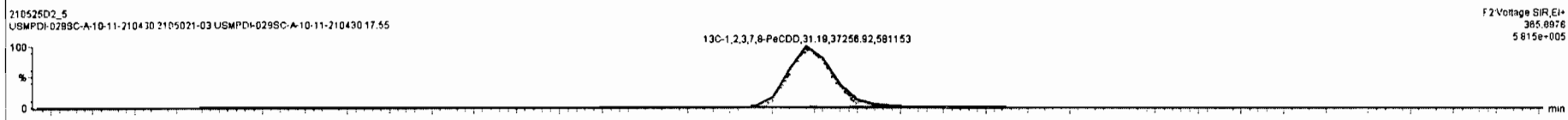
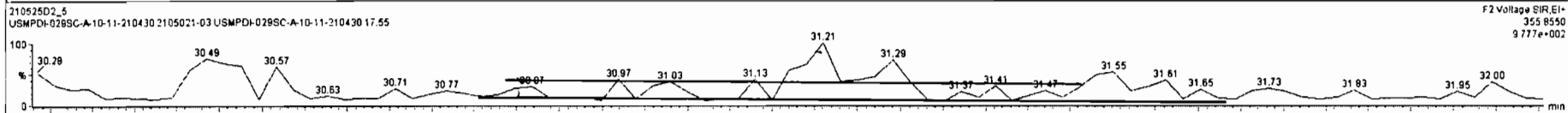
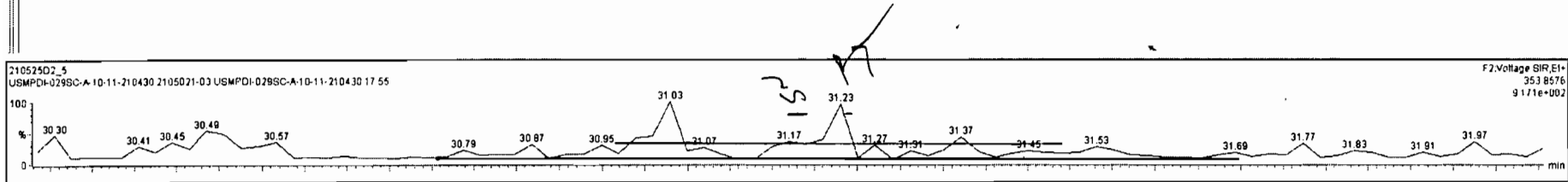
Name	RT	Int Resp	Int2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.06	8.334e1	1.237e2	0.67	NO	0.47975	0.00000



21052502_5 - 2105021-03 USMPDI-029SC-A-10-11-210430 17:55 - USMPDI-029SC-A-10-11-210430

Name	Resp	RA	n/y	R/F	wAveI	RT	RRT	Conc.	%Rec	DL	EMPC
23 13C-1,2,3,4,6,7,8-HpCDD	6.50e4	1.06	NO	0.58	10.145	36.62	1.131	130	65.7	1.95	
24 13C-OCDD	8.64e4	0.87	NO	0.45	10.145	42.43	1.242	223	56.5	4.61	
25 13C-2,3,7,8-TCDF	1.65e5	0.77	NO	1.09	10.145	26.36	1.003	108	54.7	0.295	
26 13C-1,2,3,7,8-PeCDF	1.60e5	1.84	NO	0.80	10.145	30.04	1.143	142	72.0	0.496	
27 13C-2,3,4,7,8-PeCDF	1.52e5	1.65	NO	0.79	10.145	31.01	1.180	137	69.4	0.504	
28 13C-1,2,3,4,7,8-HxCDF	1.29e5	0.50	NO	1.00	10.145	33.70	0.987	150	76.2	0.630	
29 13C-1,2,3,6,7,8-HxCDF	1.46e5	0.52	NO	1.03	10.145	33.82	0.990	186	84.0	0.605	
30 13C-2,3,4,6,7,8-HxCDF	1.27e5	0.51	NO	0.94	10.145	34.54	1.011	158	80.1	0.661	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
Total Penta-Dioxins	29.06	8.334e1	1.237e2	0.67	NO	0.47975	0.00000

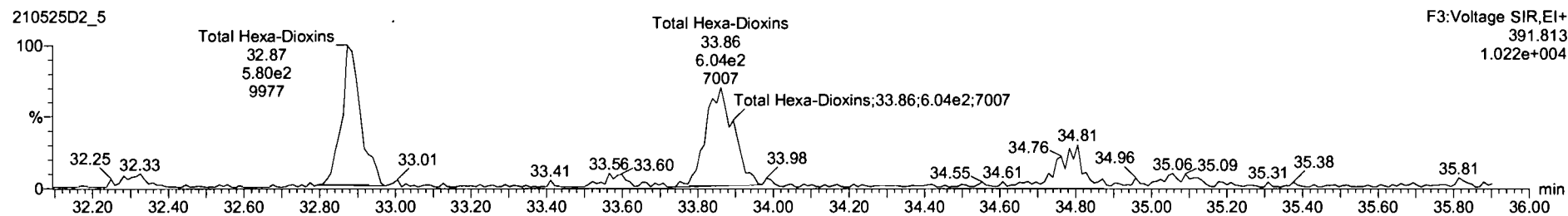
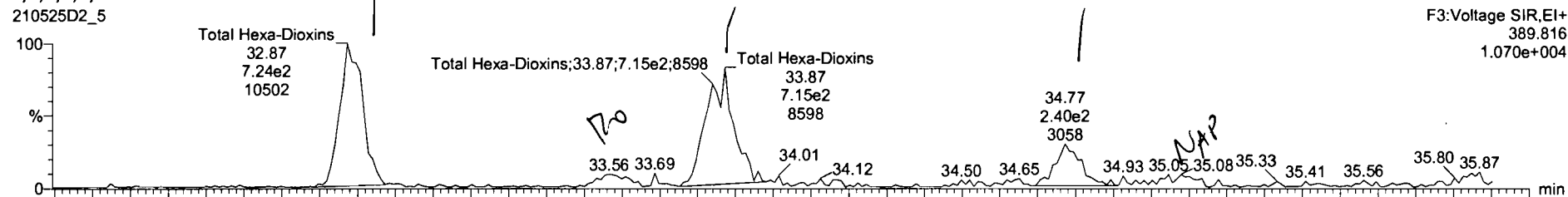


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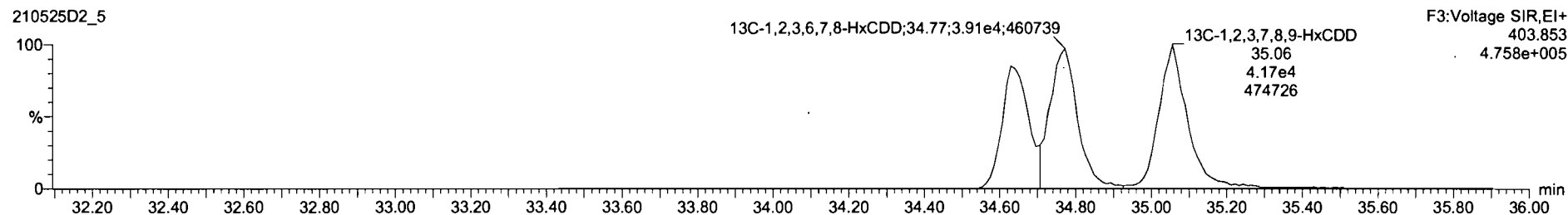
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Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430

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

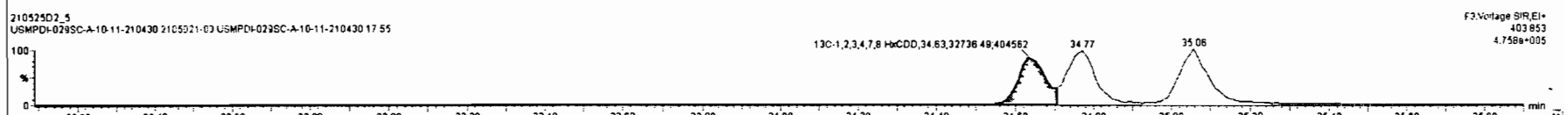
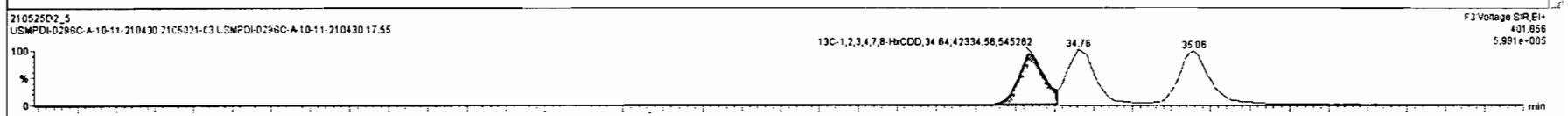
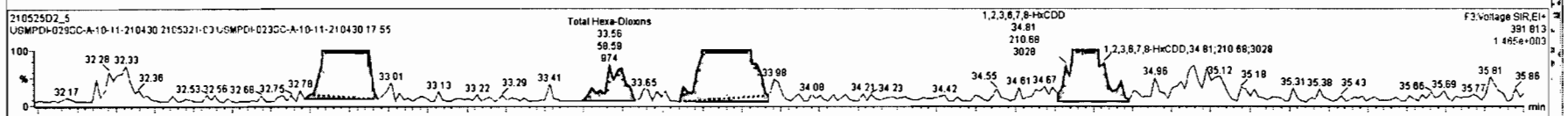
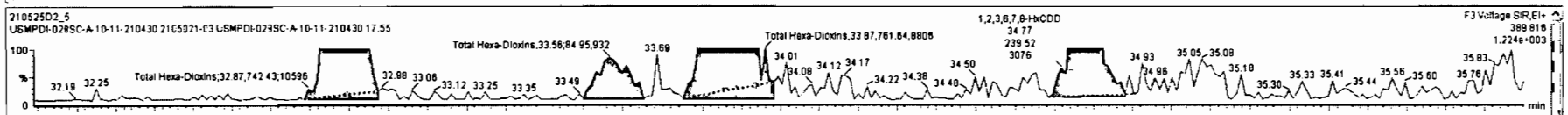


13C-1,2,3,4,7,8-HxCDD



Name	Resp	RA	rly	RPF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
25	13C-2,3,7,8-TCDF	1.65e5	0.77	NO	1.09	10.145	26.36	1.003	100	54.7	0.295
26	13C-1,2,3,7,8-PeCDF	1.60e5	1.64	NO	0.80	10.145	30.04	1.143	142	72.0	0.496
27	13C-2,3,4,7,8-PeCDF	1.52e5	1.65	NO	0.79	10.145	31.01	1.180	137	69.4	0.504
28	13C-1,2,3,4,7,8-HxCDF	1.29e5	0.50	NO	1.00	10.145	33.70	0.987	150	75.2	0.630
29	13C-1,2,3,6,7,8-HxCDF	1.46e5	0.52	NO	1.03	10.145	33.82	0.990	186	84.0	0.305
30	13C-2,3,4,6,7,8-HxCDF	1.27e5	0.51	NO	0.94	10.145	34.54	1.011	188	80.1	0.381
31	13C-1,2,3,7,8-HxCDF	1.08e5	0.49	NO	0.85	10.145	35.64	1.043	148	75.0	0.871
32	13C-1,2,3,4,6,7,8-HpCDF	8.39e4	0.43	NO	0.73	10.145	37.31	1.052	134	68.1	1.21

Name	RT	m1 Resp	m2 Resp	RA	rly	EMPC	Conc
1	Total Hexa-Dioxins	32.87	7.424e2	5.905e2	1.26	NO	2.9995
2	Total Hexa-Dioxins	33.56	8.495e1	5.859e1	1.45	YES	0.28535
3	Total Hexa-Dioxins	33.87	7.616e2	6.232e2	1.22	NO	3.1162
4	1,2,3,6,7,8-HxCDD	34.77	2.305e2	2.107e2	1.14	NO	0.98048

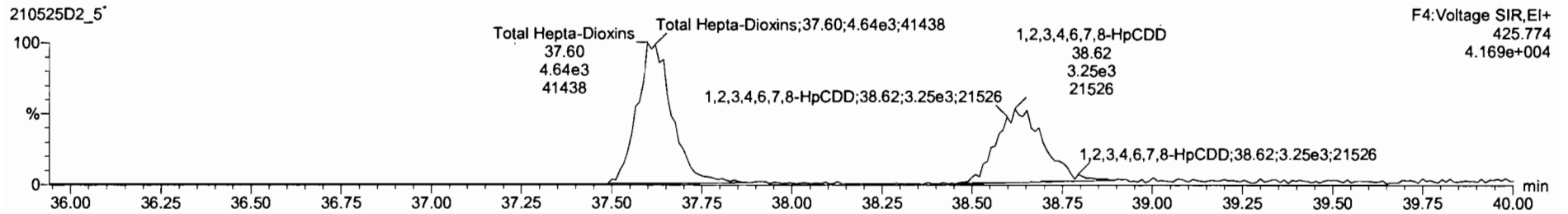
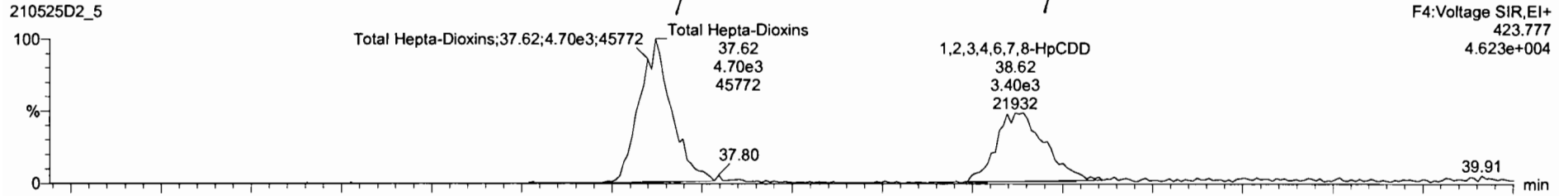


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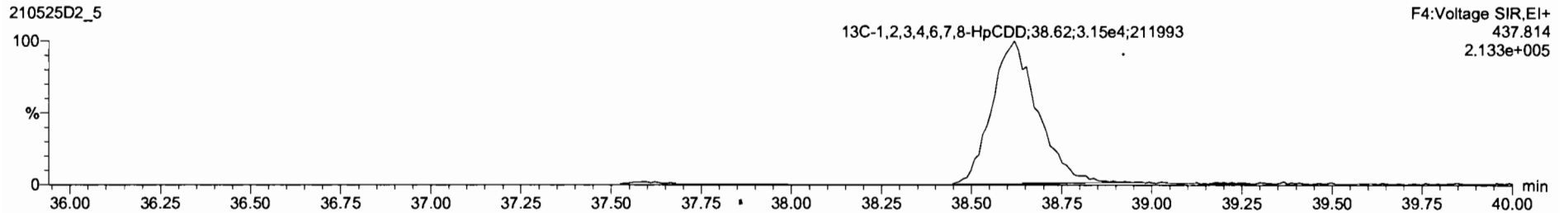
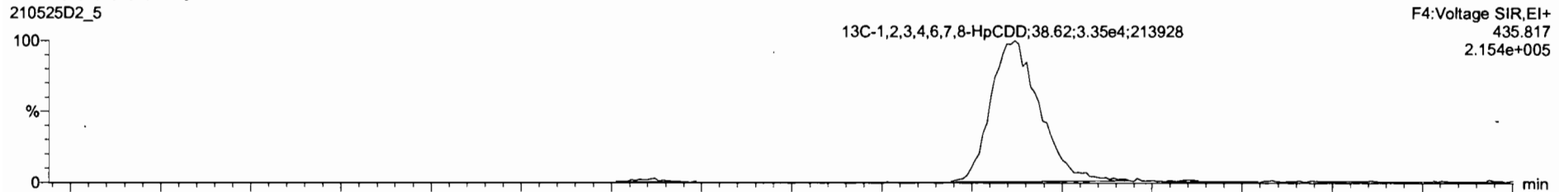
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1,2,3,4,6,7,8-HpCDD



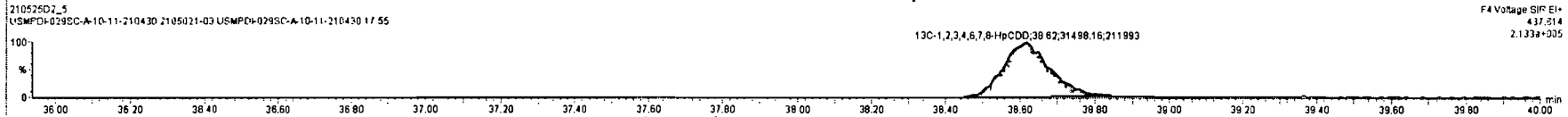
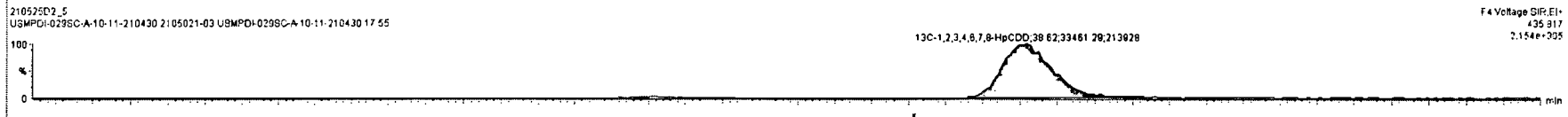
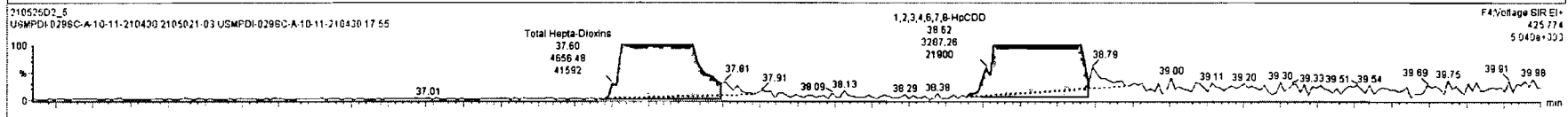
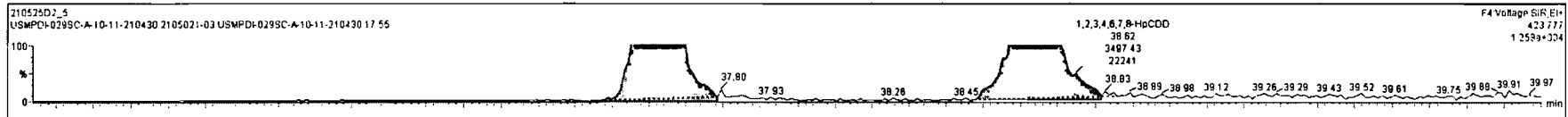
13C-1,2,3,4,6,7,8-HpCDD



210525D2_5 - 2105021-03 USMPDI-029SC-A-10-11-210430 17:55 - USMPDI-029SC-A-10-11-210430

Name	Resp	RA	n/y	RNF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.145			46.3	2.09	46.3	
43 Total Tetra-Furans				0.86	10.145			20.9	0.148	22.3	
44 1st Func. Penta-Furans				0.95	10.145			1.92	0.0542	1.92	
45 Total Penta-Furans				0.95	10.145			25.1	0.216	25.1	
46 Total Hexa-Furans				1.12	10.145			30.6	0.276	30.6	
47 Total Hepta-Furans				1.16	10.145			26.2	0.615	26.8	
48 PFK1											
49 PFK2											

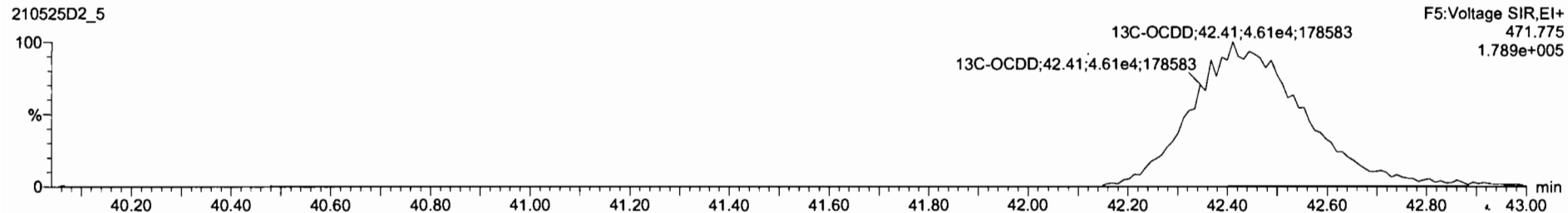
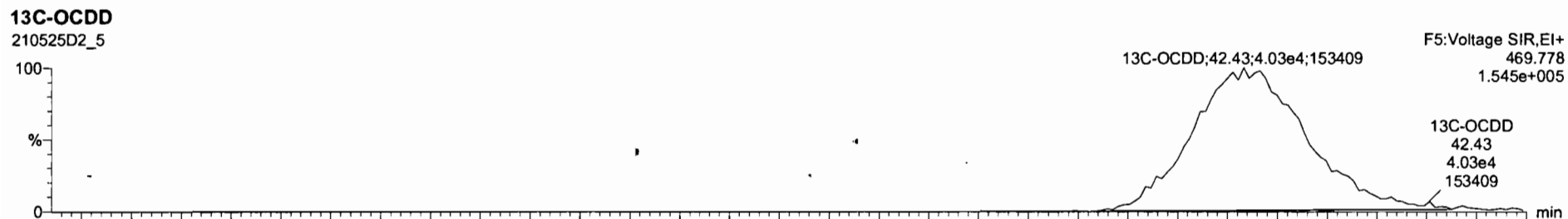
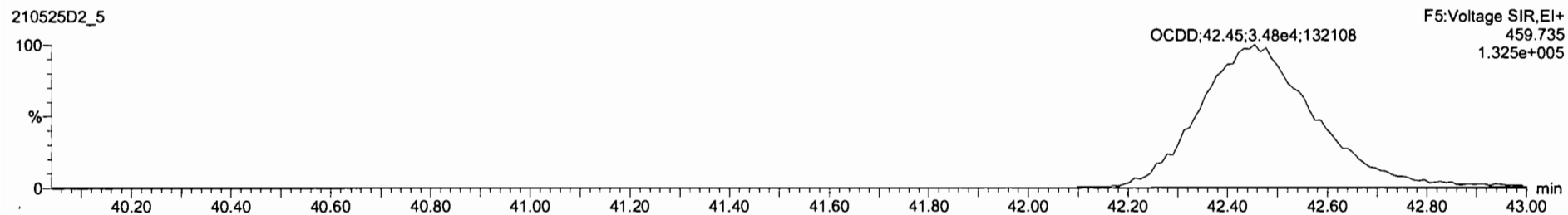
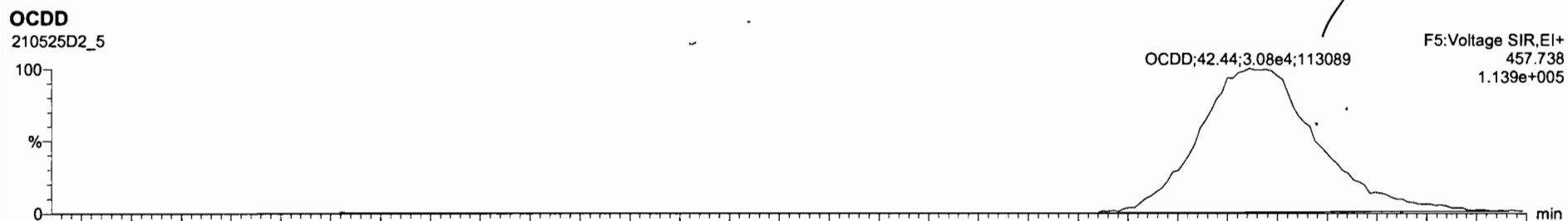
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.82	4.823e3	4.856e3	1.04	NO	27.013	27.013
2 1,2,3,4,6,7,8-HpCDD	38.62	3.497e3	3.267e3	1.06	NO	19.334	19.334



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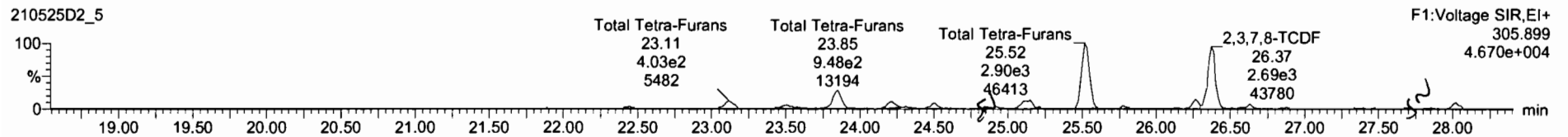
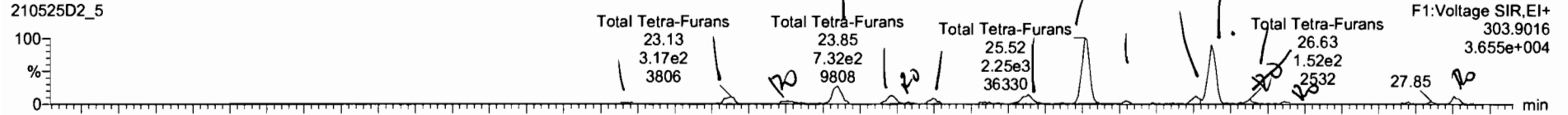


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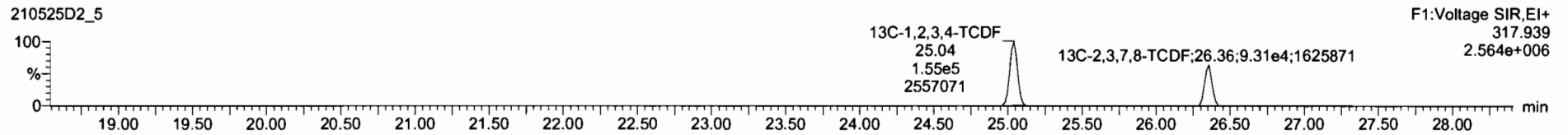
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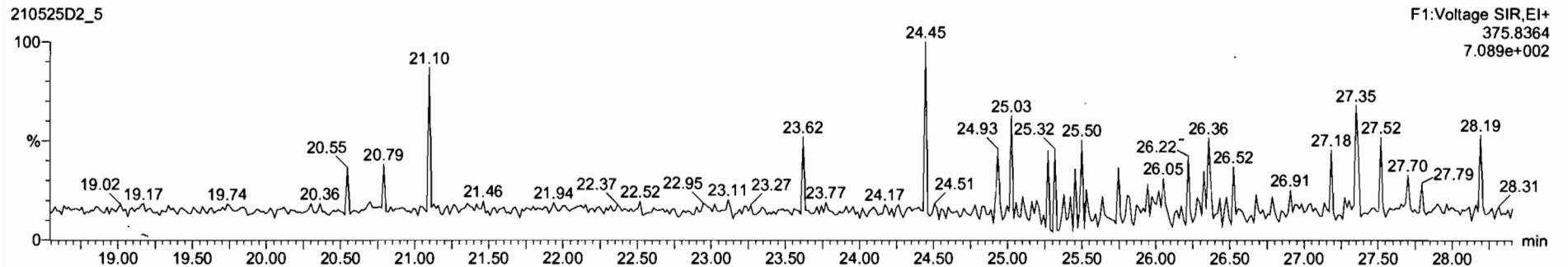
2,3,7,8-TCDF



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

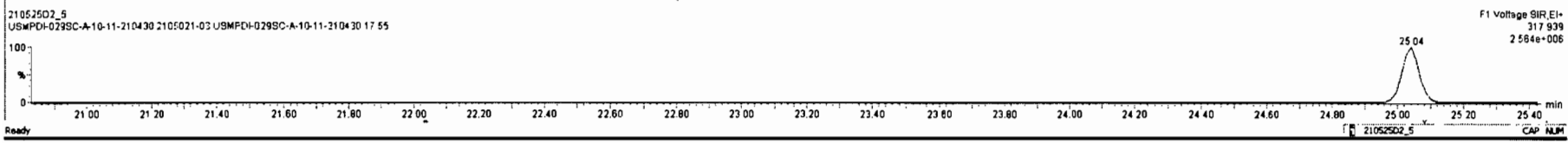
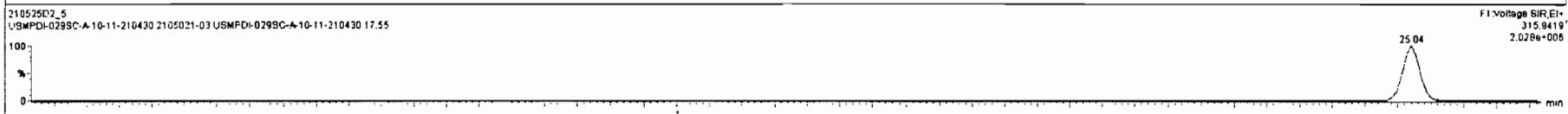
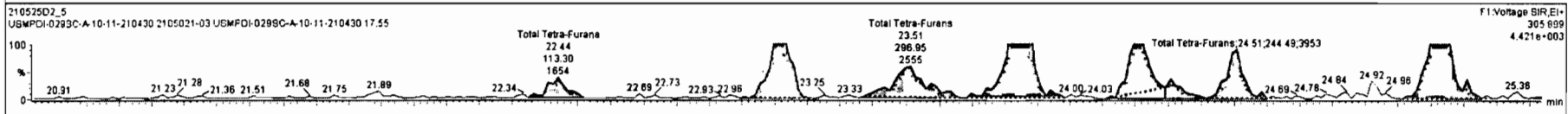
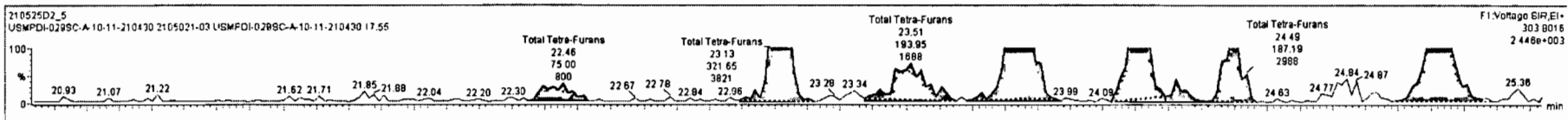


DPE1



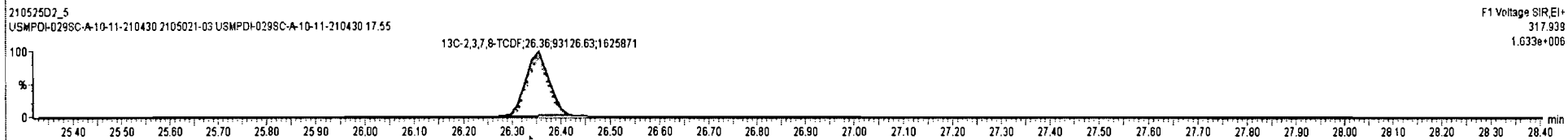
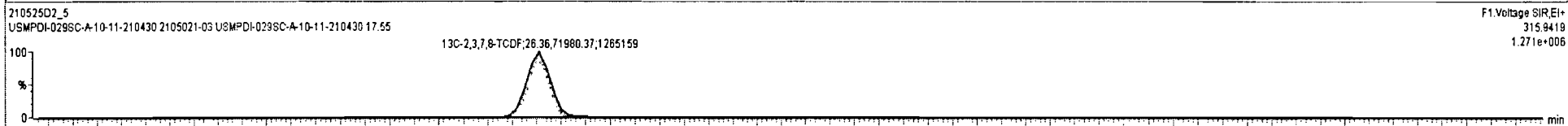
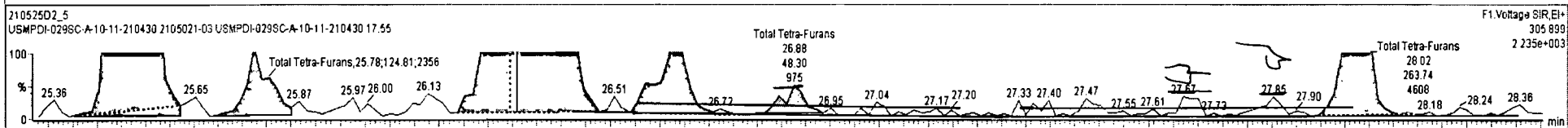
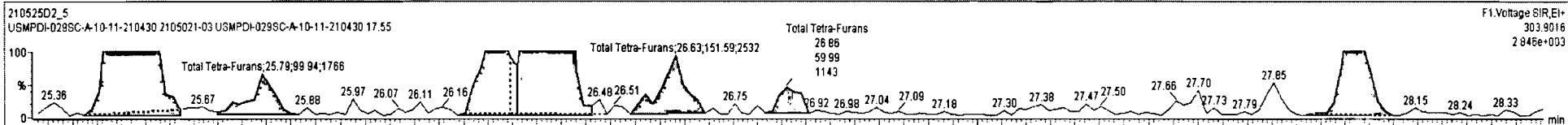
Name	Resp	RA	nly	RRF	wMnd	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Chloride				1.07	10.145			48.3		2.09	48.3
43 Total Tetra-Furans				0.86	10.145			21.0		0.148	23.5
44 1st Func. Penta-Furans				0.95	10.145			1.92		0.0542	1.92
45 Total Penta-Furans				0.95	10.145			25.1		0.216	25.1
46 Total Hexa-Furans				1.12	10.145			30.6		0.278	30.6
47 Total Hepta-Furans				1.16	10.145			26.2		0.615	26.9
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	22.46	7.500e1	1.133e2	0.66	NO	0.26032	0.26032
2 Total Tetra-Furans	23.13	3.217e2	4.172e2	0.77	NO	1.0214	1.0214
3 Total Tetra-Furans	23.51	1.939e2	2.969e2	0.65	YES	0.61635	0.00000
4 Total Tetra-Furans	23.85	7.513e2	9.539e2	0.79	NO	2.3574	2.3574
5 Total Tetra-Furans	24.22	3.467e2	3.966e2	0.87	NO	1.0277	0.00000
6 Total Tetra-Furans	24.32	4.602e1	8.353e1	0.55	YES	0.14623	0.00000
7 Total Tetra-Furans	24.49	1.872e2	2.445e2	0.77	NO	0.59678	0.59678
8 Total Tetra-Furans	25.13	4.405e2	5.834e2	0.78	NO	1.3879	1.3879
9 Total Tetra-Furans	25.52	2.279e3	2.936e3	0.78	NO	7.2123	7.2123



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.145			46.3		2.09	46.3
43 Total Tetra-Furans				0.88	10.145			21.0		0.148	23.5
44 1st Func. Penta-Furans				0.95	10.145			1.92		0.0542	1.92
45 Total Penta-Furans				0.95	10.145			25.1		0.216	25.1
46 Total Hexa-Furans				1.12	10.145			30.6		0.278	30.6
47 Total Hepta-Furans				1.16	10.145			26.2		0.615	28.8
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
7 Total Tetra-Furans	24.49	1.872e2	2.445e2	0.77	NO	0.59678	0.59678
8 Total Tetra-Furans	25.13	4.405e2	5.634e2	0.78	NO	1.3879	1.3879
9 Total Tetra-Furans	25.52	2.278e3	2.938e3	0.78	NO	7.2123	7.2123
10 Total Tetra-Furans	25.79	9.994e1	1.248e2	0.80	NO	0.31071	0.31071
11 Total Tetra-Furans	26.26	2.760e2	3.593e2	0.77	NO	0.87822	0.87822
12 2,3,7,8-TCDF	26.37	2.038e3	2.647e3	0.77	NO	6.4753	6.4753
13 Total Tetra-Furans	26.63	1.516e2	1.837e2	0.83	NO	0.46350	0.46350
14 Total Tetra-Furans	26.86	5.999e1	4.830e1	1.24	YES	0.11818	0.00000
15 Total Tetra-Furans	28.01	2.485e2	2.637e2	0.94	YES	0.64535	0.00000



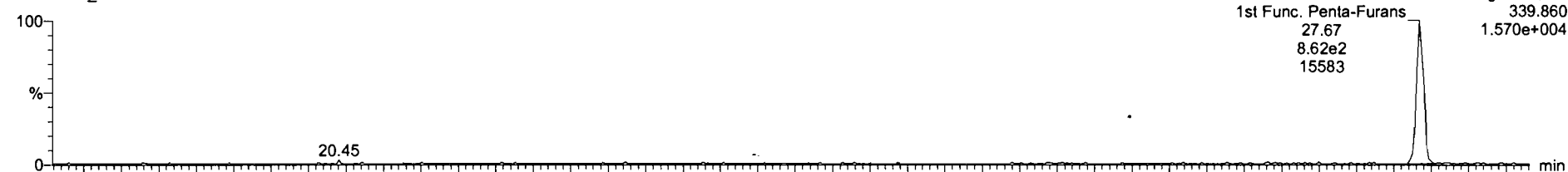
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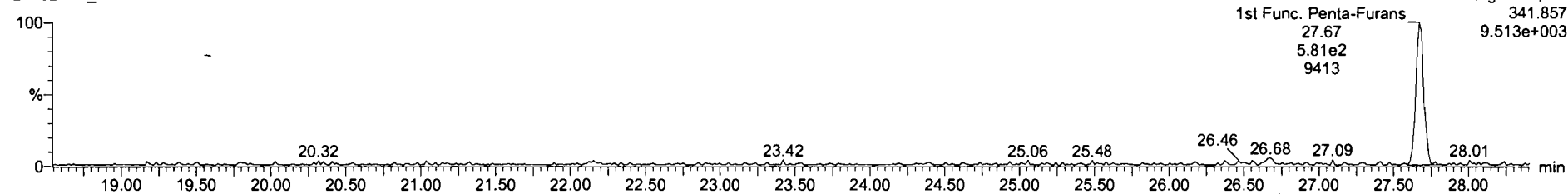
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1st Func. Penta-Furans

210525D2_5

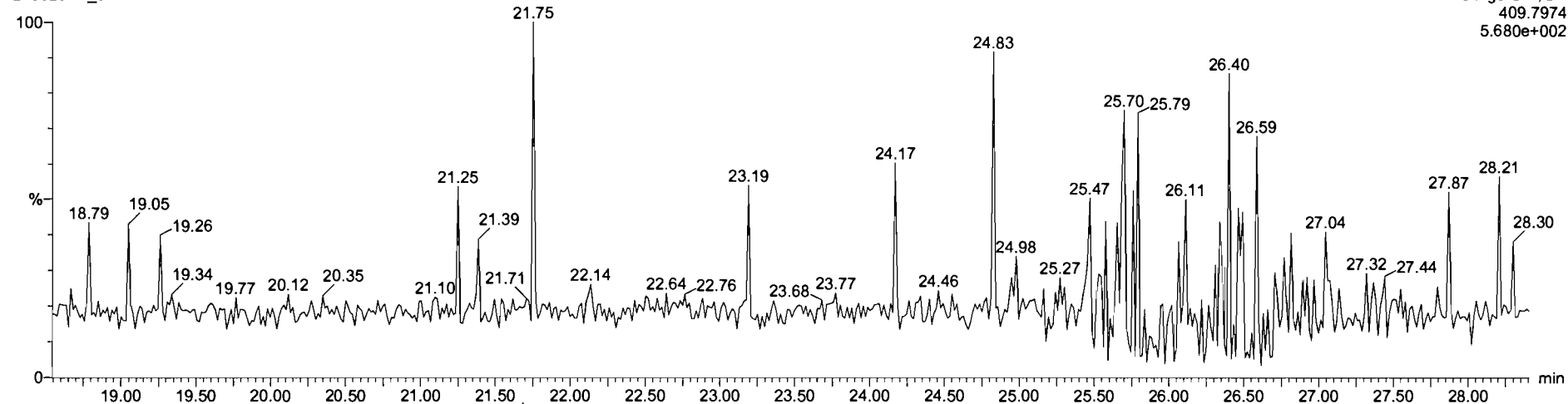


210525D2_5



DPE6

210525D2_5

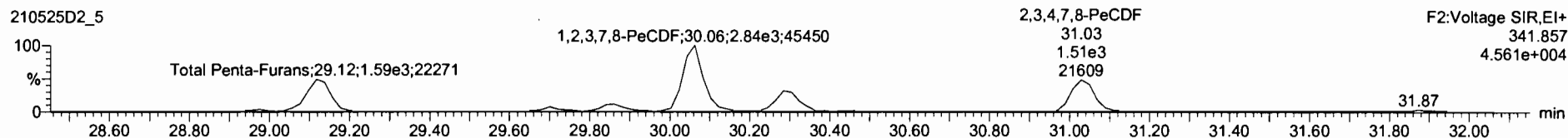
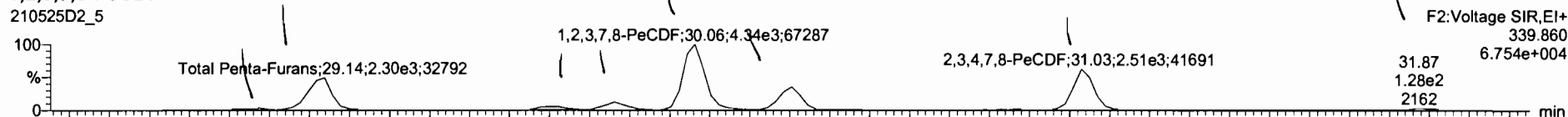


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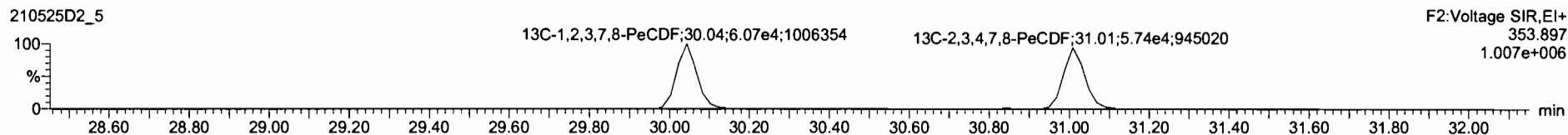
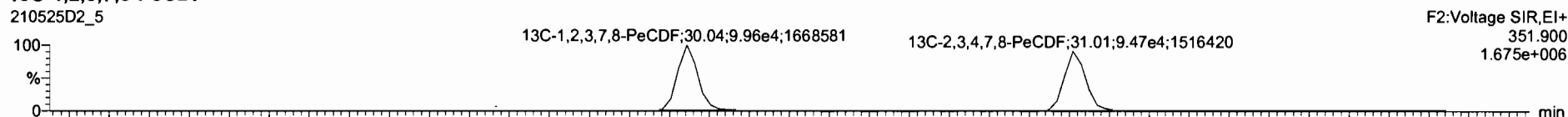
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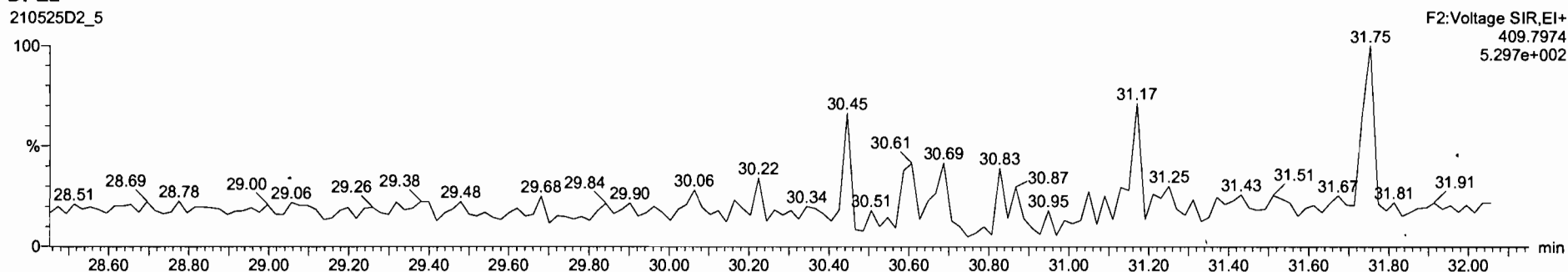
1,2,3,7,8-PeCDF



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



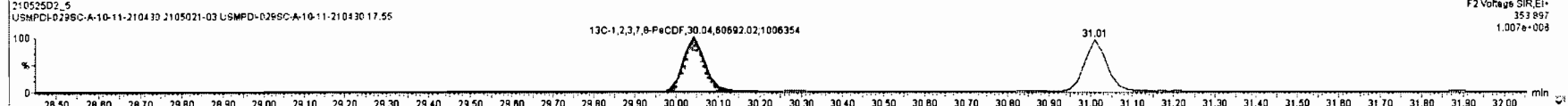
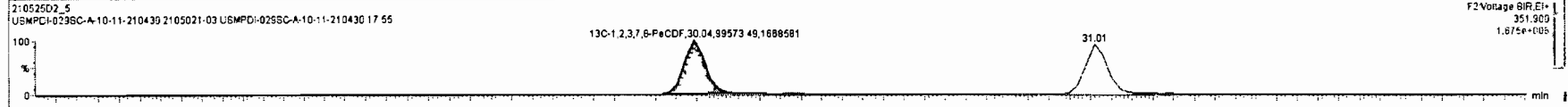
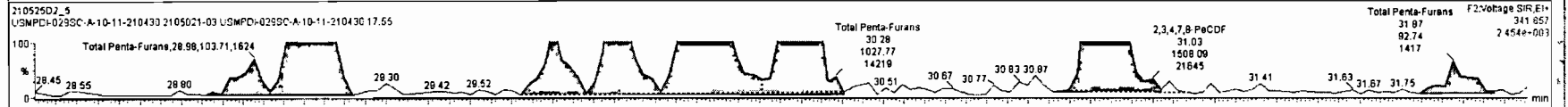
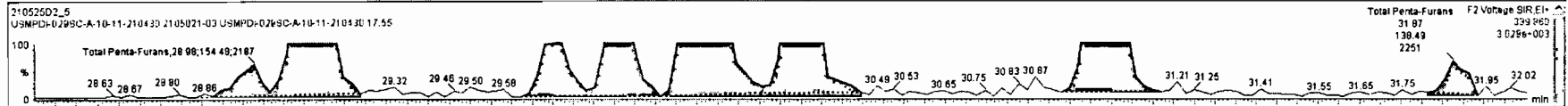
DPE2



21052502_5 - 2105021-03 USMPCD-029SC-A-10-11-210430 17:55 - USMPCD-029SC-A-10-11-210430

Name	Resp	RA	nly	RRF	wAve	RT	RRF	Conc	%Rec	DL	EMPC
42 Total Hepta-Dioxins		1.07	10.145					46.3		2.09	46.3
43 Total Tetra-Furans				0.86	10.145			22.0		0.146	23.5
44 1st Func. Penta-Furans				0.95	10.145			1.92		0.0542	1.92
45 Total Penta-Furans				0.95	10.145			25.7		0.216	25.7
46 Total Hexa-Furans				1.12	10.145			30.6		0.276	30.6
47 Total Hepta-Furans				1.18	10.145			28.2		0.615	28.8
48 PFK1											
49 PFK2											

Name	RT, y	mt Resp	sd Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	28.98	1.545e2	1.037e2	1.49	NO	0.34356	0.34356
2 Total Penta-Furans	29.14	2.335e3	1.586e3	1.47	NO	5.2198	5.2198
3 Total Penta-Furans	29.72	3.119e2	1.919e2	1.63	NO	0.67037	0.67037
4 Total Penta-Furans	29.86	5.899e2	3.781e2	1.50	NO	1.2581	1.2581
5 1,2,3,7,8-PeCDF	30.06	4.379e3	2.849e3	1.54	NO	9.3744	9.3744
6 Total Penta-Furans	30.30	1.619e3	1.028e3	1.57	NO	3.5213	3.5213
7 2,3,4,7,8-PeCDF	31.03	2.515e3	1.508e3	1.67	NO	5.0233	5.0233
8 Total Penta-Furans	31.87	1.385e2	9.274e1	1.49	NO	0.30769	0.30769

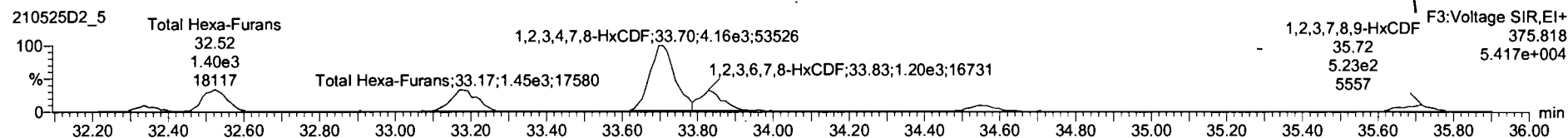
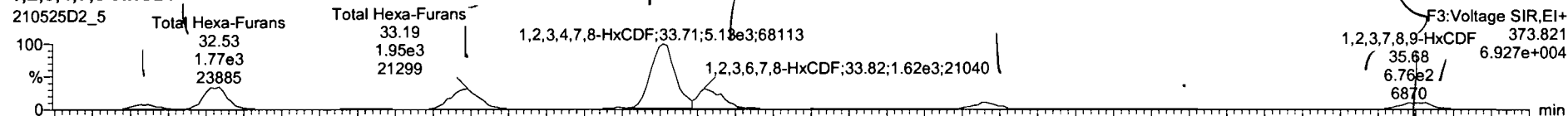


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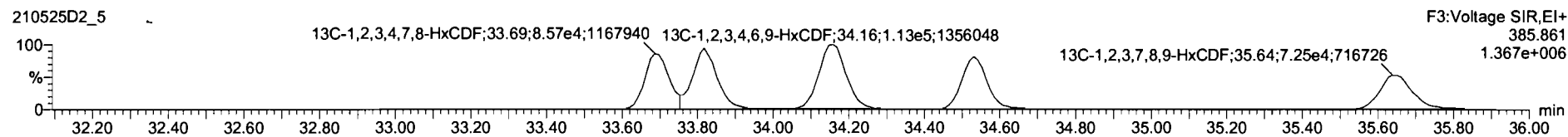
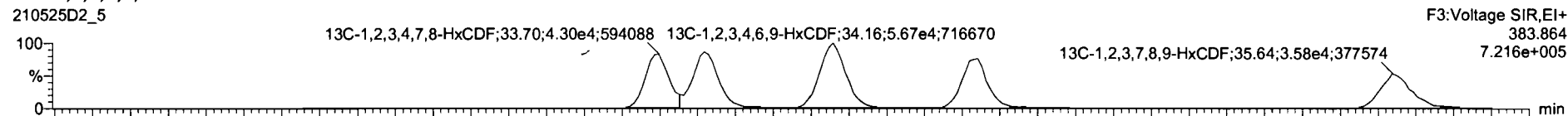
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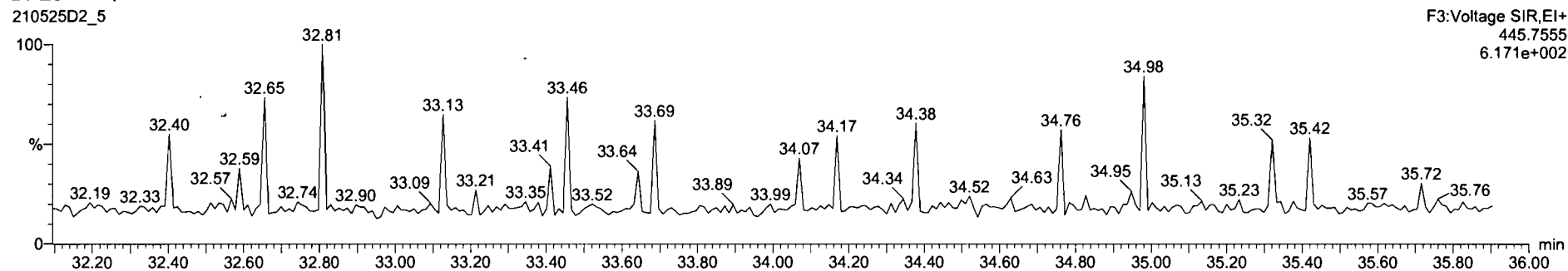
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13C-1,2,3,4,7,8-HxCDF

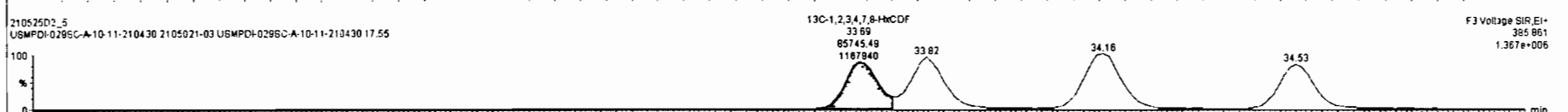
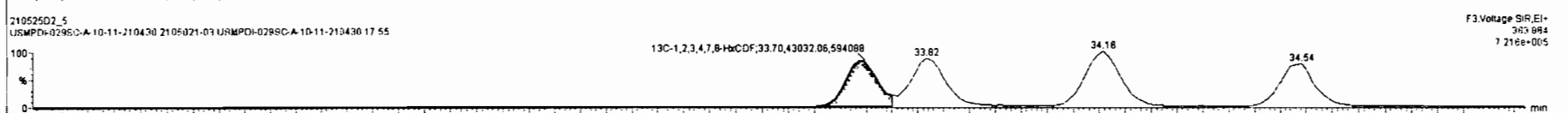
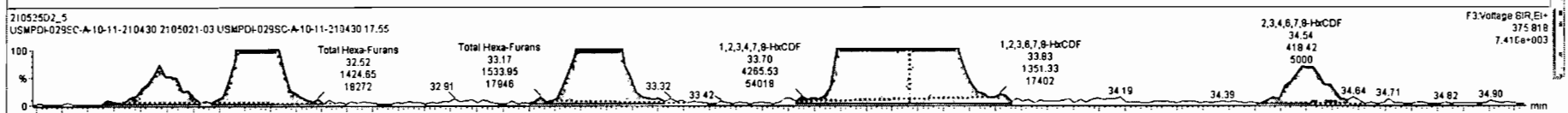
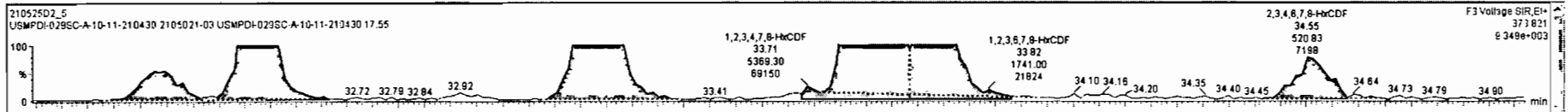


DPE3



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.145			46.3		2.09	46.3
43 Total Tetra-Furans				0.86	10.145			22.0		0.148	23.5
44 Tot Func. Penta-Furans				0.95	10.145			1.92		0.0542	1.92
45 Total Penta-Furans				0.95	10.145			25.7		0.216	25.7
46 Total Hexa-Furans				1.12	10.145			31.4		0.278	31.4
47 Total Hepta-Furans				1.16	10.145			26.2		0.615	26.8
48 PPK1											
49 PPK2											

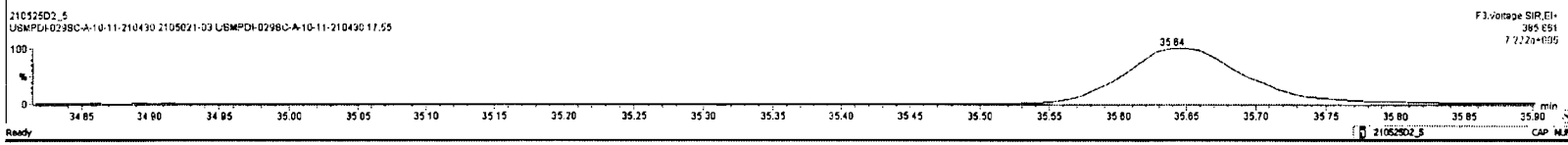
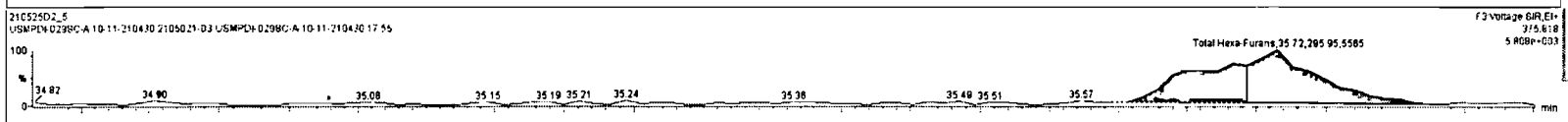
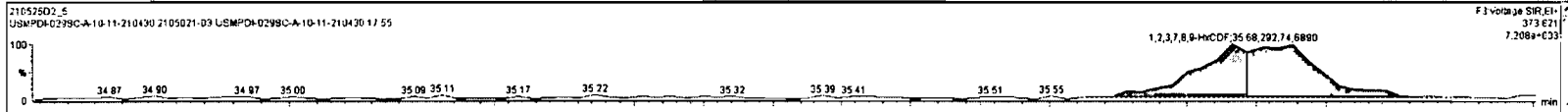
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.33	4.165e2	3.851e2	1.14	NO	1.0812	1.0812
2 Total Hexa-Furans	32.53	1.778e3	1.425e3	1.25	NO	4.4218	4.4218
3 Total Hexa-Furans	33.19	1.940e3	1.534e3	1.27	NO	4.9001	4.9001
4 1,2,3,4,7,8-HxCDF	33.71	5.389e3	4.266e3	1.26	NO	14.142	14.142
5 1,2,3,6,7,8-HxCDF	33.82	1.741e3	1.351e3	1.29	NO	3.8768	3.8768
6 2,3,4,6,7,8-HxCDF	34.55	5.209e2	4.194e2	1.24	NO	1.3003	1.3003
7 1,2,3,7,8-HxCDF	35.68	2.927e2	2.279e2	1.28	NO	0.86248	0.86248
8 Total Hexa-Furans	35.73	3.705e2	2.959e2	1.25	NO	0.92079	0.92079



21052502_5 - 2105021-03 USMPC1-0298C-A-10-11-210430 17:55 - USMPC1-0298C-A-10-11-210430

Name	Resp	RA	nV	RRF	WtAvg	RT	RRT	Conc.	%Rec	QL	EMPC
42 Total Hepta-Dioxins				1.07	10.145			46.3		2.09	46.3
43 Total Tetra-Furans				0.86	10.145			22.0		0.148	23.5
44 1st Func. Penta-Furans				0.95	10.145			1.92		0.0542	1.92
45 Total Penta-Furans				0.95	10.145			25.7		0.216	25.7
46 Total Hexa-Furans				1.12	10.145			31.4		0.278	31.4
47 Total Hepta-Furans				1.16	10.145			29.2		0.915	29.8
48 PFK1											
49 PFK2											

Name	RT ₁	rt1 Resp	m2 Resp	RA	nV	EMPC	Conc.
1 Total Hexa-Furans	32.33	4.185e2	3.661e2	1.14	NO	1.0812	1.0812
2 Total Hexa-Furans	32.53	1.770e3	1.425e3	1.25	NO	4.4219	4.4219
3 Total Hexa-Furans	33.19	1.940e3	1.534e3	1.27	NO	4.8001	4.8001
4 1,2,3,4,7,8-HxCDF	33.71	5.363e3	4.268e3	1.26	NO	14.142	14.142
5 1,2,3,6,7,8-HxCDF	33.82	1.741e3	1.261e3	1.28	NO	3.8768	3.8768
6 2,3,4,6,7,8-HxCDF	34.55	5.208e2	4.184e2	1.24	NO	1.3033	1.3033
7 1,2,3,7,8,9-HxCDF	35.86	2.927e2	2.279e2	1.28	NO	0.86248	0.86248
8 Total Hexa-Furans	35.73	3.705e2	2.959e2	1.25	NO	0.92079	0.92079

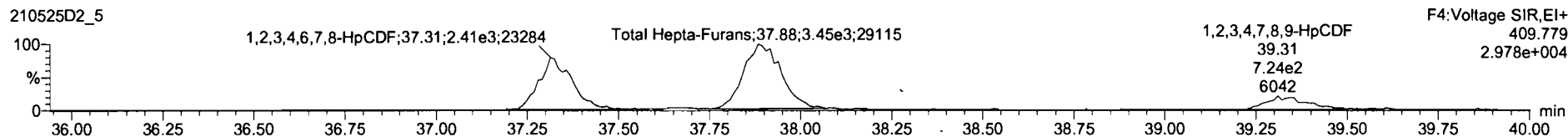
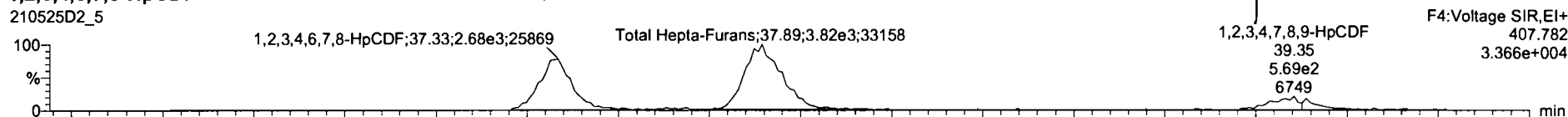


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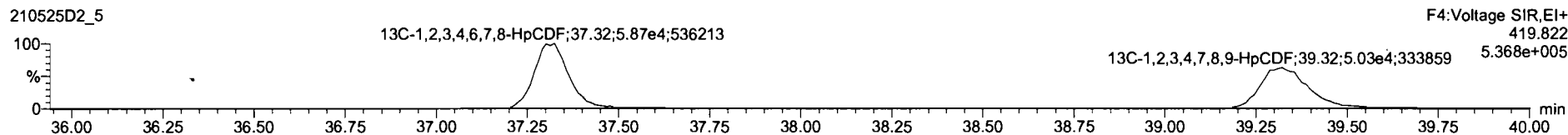
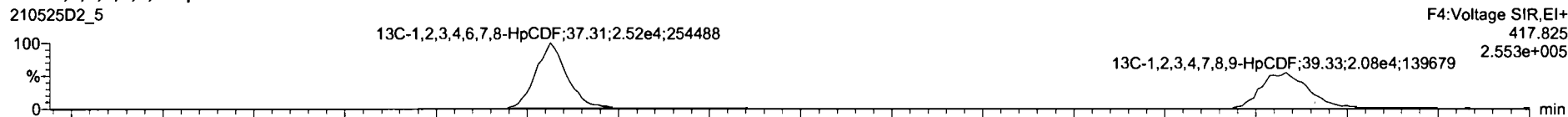
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Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430

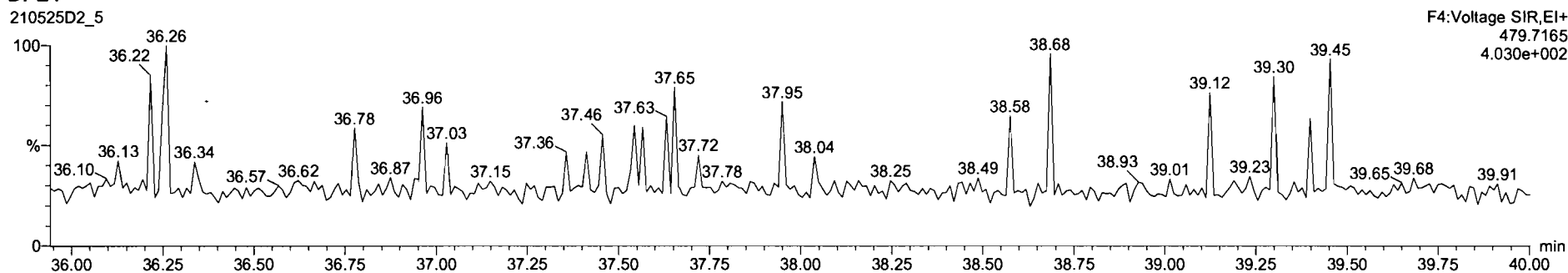
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13C-1,2,3,4,6,7,8-HpCDF



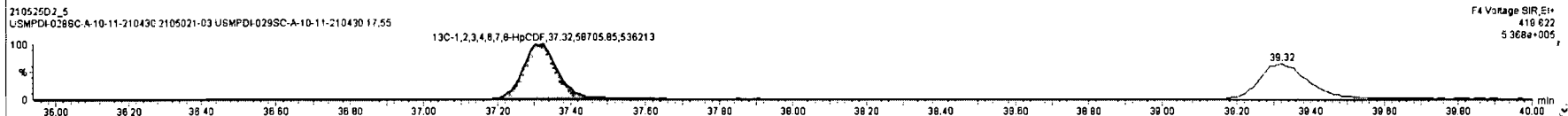
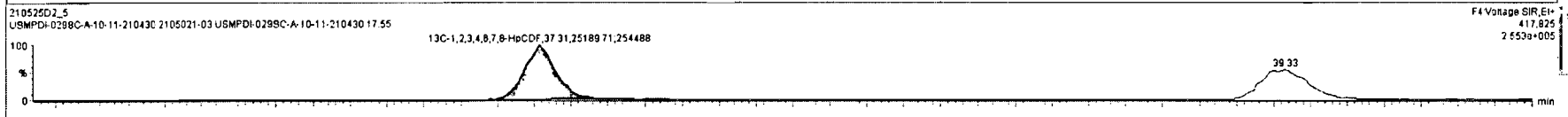
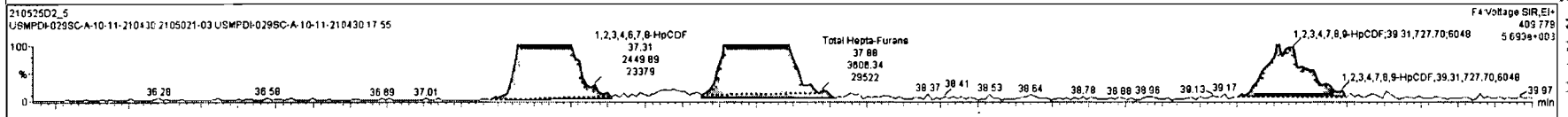
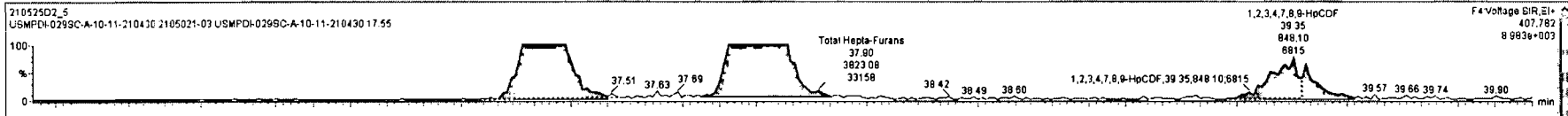
DPE4



21052502_5 - 2105021-03 USMPDI-029SC-A-10-11-210430 17.55 - USMPDI-029SC-A-10-11-210430

Name	Resp	RA	n/y	RRF	w/wol	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Oxins		1.07	10.145					46.3		2.09	46.3
43 Total Tetra-Furans		0.86	10.145					22.0		0.148	23.5
44 1st Func. Penta-Furans		0.95	10.145					1.92		0.0542	1.92
45 Total Penta-Furans		0.95	10.145					25.7		0.216	25.7
46 Total Hexa-Furans		1.12	10.145					31.4		0.278	31.4
47 Total Hepta-Furans		1.16	10.145					30.4		0.615	30.4
48 PFK1											
49 PFK2											

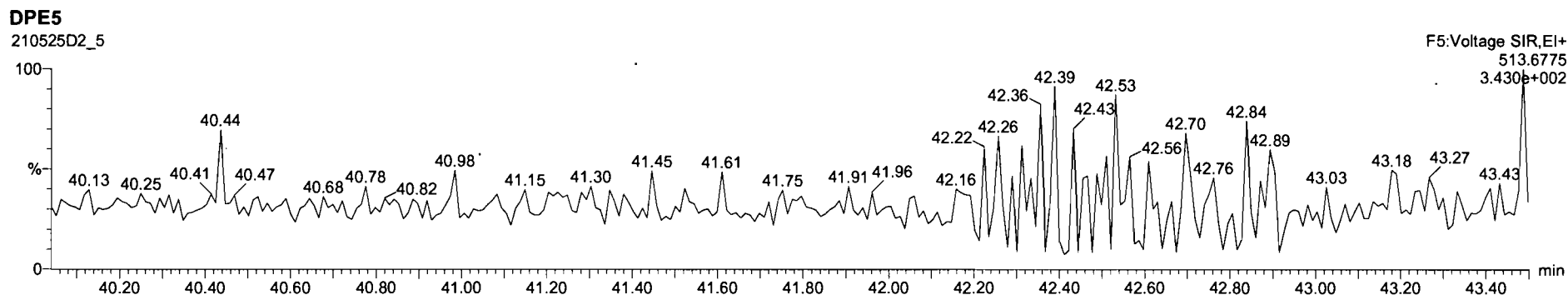
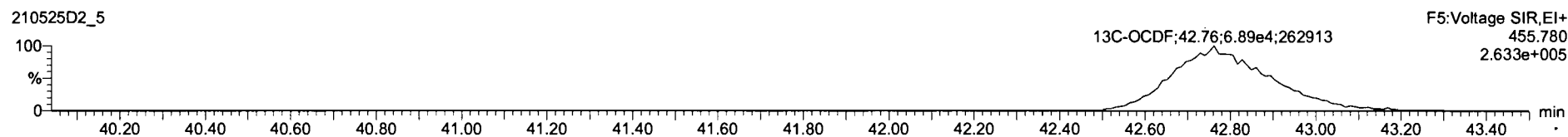
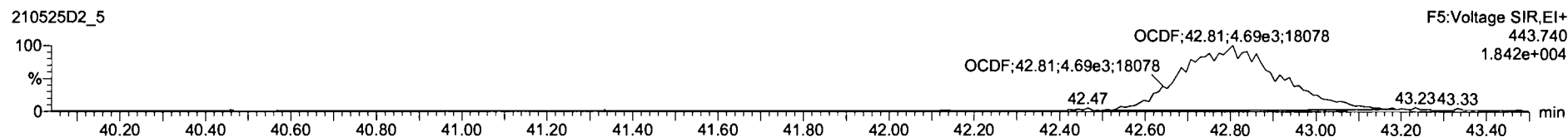
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	2.684e3	2.450e3	1.10	NO	10.400	10.400
2 Total Hepta-Furans	37.90	3.823e3	3.606e3	1.06	NO	16.265	16.265
3 1,2,3,4,7,8,9-HpCDF	39.35	8.481e2	7.277e2	1.17	NO	3.6768	3.6768



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-5.qld

Last Altered: Wednesday, May 26, 2021 12:24:46 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:24:52 Pacific Daylight Time

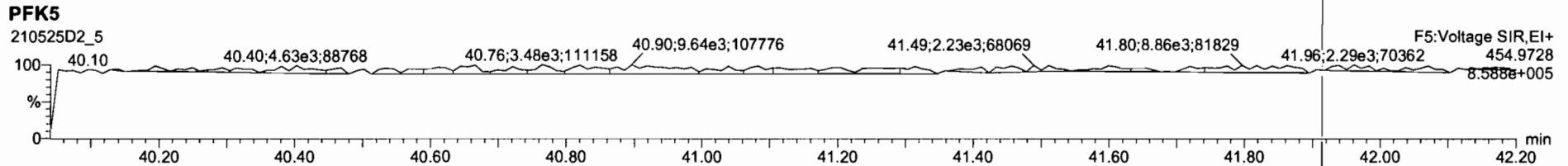
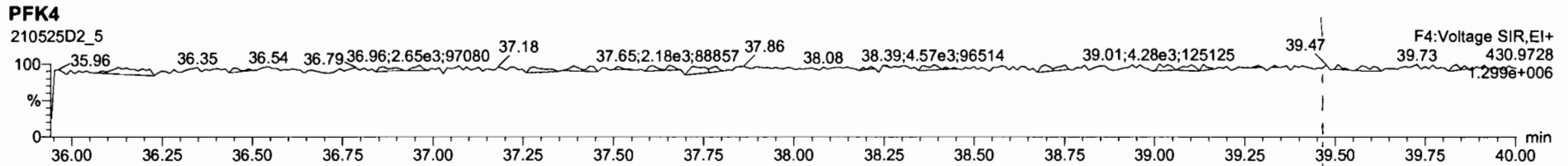
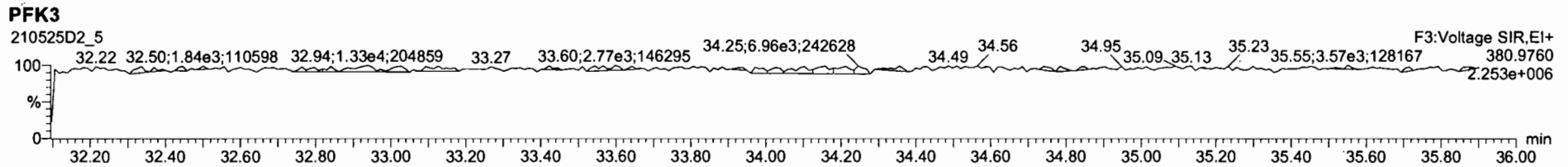
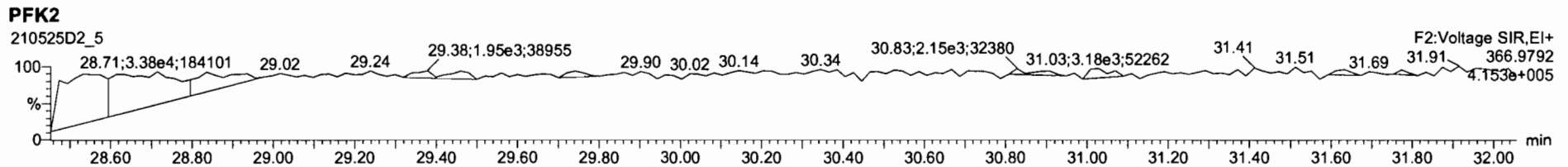
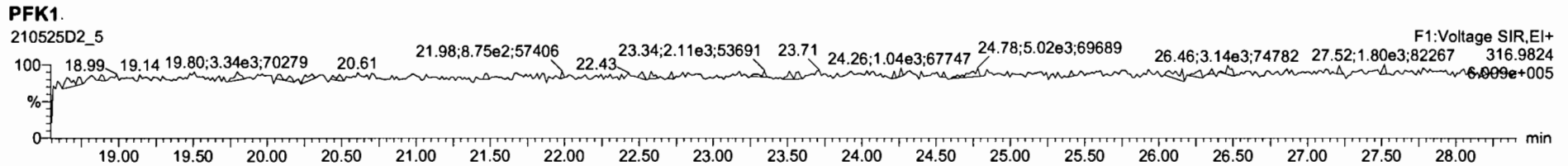
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Name: 210525D2_5, Date: 25-May-2021, Time: 14:25:46, ID: 2105021-03 USMPDI-029SC-A-10-11-210430 17.55, Description: USMPDI-029SC-A-10-11-210430



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Monday, June 07, 2021 15:07:46 Pacific Daylight Time

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HL 6/7/2021

07/06/09/2021

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430, Task: ST210525D2-1

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.04e2	0.40	YES	1.05	10.077	26.98	1.001	0.77650		0.280	0.510
2 1,2,3,7,8-PeCDD	3.19e2	0.36	YES	0.881	10.077	31.17	1.000	1.2305		0.428	0.853
3 1,2,3,4,7,8-HxCDD	4.52e2	0.99	YES	1.14	10.077	34.71	1.000	1.5703		1.54	1.41
4 1,2,3,6,7,8-HxCDD	2.40e3	1.23	NO	1.01	10.077	34.87	1.000	7.7124		1.54	7.71
5 1,2,3,7,8,9-HxCDD	1.11e3	1.13	NO	1.02	10.077	35.20	1.000	2.9516		1.38	2.95
6 1,2,3,4,6,7,8-HpCDD	7.06e4	1.04	NO	1.07	10.077	38.67	1.000	221.62		6.82	222
7 OCDD	1.19e6	0.89	NO	1.00	10.077	42.58	1.000	4985.3		9.18	4990
8 2,3,7,8-TCDF	5.91e3	0.82	NO	0.864	10.077	26.39	1.001	15.301		0.360	15.3
9 1,2,3,7,8-PeCDF	1.19e4	1.59	NO	0.948	10.077	30.06	1.001	25.503		0.401	25.5
10 2,3,4,7,8-PeCDF	6.44e3	1.60	NO	1.04	10.077	31.01	1.001	13.239		0.387	13.2
11 1,2,3,4,7,8-HxCDF	3.16e4	1.31	NO	1.04	10.077	33.71	1.001	65.088		1.05	65.1
12 1,2,3,6,7,8-HxCDF	1.01e4	1.26	NO	1.07	10.077	33.86	1.000	18.090		1.13	18.1
13 2,3,4,6,7,8-HxCDF	1.86e3	1.31	NO	1.12	10.077	34.61	1.000	3.4636		1.12	3.46
14 1,2,3,7,8,9-HxCDF	2.24e3	1.17	NO	1.10	10.077	35.79	1.001	5.4128		1.70	5.41
15 1,2,3,4,6,7,8-HpCDF	4.15e4	1.06	NO	1.16	10.077	37.33	1.000	94.722		1.37	94.7
16 1,2,3,4,7,8,9-HpCDF	6.77e3	1.07	NO	1.19	10.077	39.41	1.001	19.936		2.80	19.9
17 OCDF	8.39e4	0.86	NO	0.909	10.077	42.82	1.001	278.93		2.64	279
18 13C-2,3,7,8-TCDD	4.97e4	0.77	NO	1.15	10.077	26.97	1.026	60.017	30.2	0.214	
19 13C-1,2,3,7,8-PeCDD	5.81e4	0.61	NO	0.887	10.077	31.17	1.185	90.496	45.6	0.283	
20 13C-1,2,3,4,7,8-HxCDD	5.00e4	1.33	NO	0.645	10.077	34.72	1.015	89.618	45.2	0.879	
21 13C-1,2,3,6,7,8-HxCDD	6.10e4	1.27	NO	0.717	10.077	34.86	1.019	98.476	49.6	0.791	
22 13C-1,2,3,7,8,9-HxCDD	7.33e4	1.25	NO	0.714	10.077	35.20	1.029	118.77	59.8	0.794	
23 13C-1,2,3,4,6,7,8-HpCDD	5.94e4	1.06	NO	0.583	10.077	38.66	1.130	117.81	59.4	0.917	
24 13C-OCDD	9.46e4	0.87	NO	0.451	10.077	42.59	1.245	242.48	61.1	3.18	
25 13C-2,3,7,8-TCDF	8.88e4	0.76	NO	1.09	10.077	26.37	1.003	55.796	28.1	0.237	
26 13C-1,2,3,7,8-PeCDF	9.80e4	1.64	NO	0.805	10.077	30.04	1.143	83.451	42.0	0.414	
27 13C-2,3,4,7,8-PeCDF	9.30e4	1.63	NO	0.792	10.077	30.99	1.179	80.512	40.6	0.420	
28 13C-1,2,3,4,7,8-HxCDF	9.25e4	0.50	NO	0.997	10.077	33.69	0.985	107.23	54.0	1.33	
29 13C-1,2,3,6,7,8-HxCDF	1.03e5	0.49	NO	1.03	10.077	33.85	0.989	116.33	58.6	1.29	
30 13C-2,3,4,6,7,8-HxCDF	9.54e4	0.51	NO	0.940	10.077	34.60	1.011	117.42	59.2	1.41	

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Monday, June 07, 2021 15:07:46 Pacific Daylight Time

Printed: Monday, June 07, 2021 15:08:19 Pacific Daylight Time

Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DU	EMPC
31	13C-1,2,3,7,8,9-HxCDF	7.48e4	0.50	NO	0.852	10.077	35.75	1.045	101.57	51.2	1.55	
32	13C-1,2,3,4,6,7,8-HpCDF	7.49e4	0.42	NO	0.727	10.077	37.32	1.091	119.24	60.1	1.79	
33	13C-1,2,3,4,7,8,9-HpCDF	5.68e4	0.42	NO	0.608	10.077	39.37	1.151	108.00	54.4	2.14	
34	13C-OCDF	1.31e5	0.87	NO	0.631	10.077	42.79	1.251	240.87	60.7	0.843	
35	37Cl-2,3,7,8-TCDD	4.76e4			2.22	10.077	26.98	1.026	29.651	37.4	0.0518	
36	13C-1,2,3,4-TCDD	1.44e5	0.79	NO	1.00	10.077	26.30	1.000	198.47	100	0.245	
37	13C-1,2,3,4-TCDF	2.90e5	0.79	NO	1.00	10.077	25.06	1.000	198.47	100	0.258	
38	13C-1,2,3,4,6,9-HxCDF	1.72e5	0.50	NO	1.00	10.077	34.21	1.000	198.47	100	1.32	
39	Total Tetra-Dioxins				1.05	10.077			3.6709		0.280	5.29
40	Total Penta-Dioxins				0.881	10.077			8.7845		0.438	12.2
41	Total Hexa-Dioxins				1.01	10.077			89.204		1.54	90.6
42	Total Hepta-Dioxins				1.07	10.077			601.12		6.82	601
43	Total Tetra-Furans				0.864	10.077			60.484		0.360	64.1
44	1st Func. Penta-Furans				0.948	10.077			11.552		0.0970	11.6
45	Total Penta-Furans				0.948	10.077			70.457		0.412	71.5
46	Total Hexa-Furans				1.12	10.077			172.20		1.19	175
47	Total Hepta-Furans				1.16	10.077			313.55		2.02	314

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Monday, June 07, 2021 15:07:46 Pacific Daylight Time
Printed: Monday, June 07, 2021 15:08:19 Pacific Daylight Time

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430, Task: ST210525D2-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	23.82	3.777e3	6.046e3	2.888e2	3.799e2	0.76	NO	6.686e2	2.5471	2.5471	0.280
2	Total Tetra-Dioxins	24.09	1.213e3	2.693e3	8.013e1	1.385e2	0.58	YES	0.000e0	0.00000	0.70162	0.280
3	Total Tetra-Dioxins	24.51	8.230e2	1.602e3	6.626e1	9.132e1	0.73	NO	1.576e2	0.60028	0.60028	0.280
4	Total Tetra-Dioxins	25.19	7.420e2	1.078e3	3.299e1	4.315e1	0.76	NO	7.613e1	0.29002	0.29002	0.280
5	Total Tetra-Dioxins	25.58	1.796e3	1.227e3	5.534e1	6.003e1	0.92	YES	0.000e0	0.00000	0.40474	0.280
6	Total Tetra-Dioxins	25.99	5.580e2	7.150e2	2.825e1	3.306e1	0.85	NO	6.131e1	0.23357	0.23357	0.280
7	2,3,7,8-TCDD	26.98	1.256e3	2.306e3	5.825e1	1.456e2	0.40	YES	2.038e2	0.00000	0.51006	0.280

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.08	6.264e3	9.228e3	4.676e2	7.216e2	0.65	NO	1.189e3	4.6130	4.6130	0.438
2	Total Penta-Dioxins	29.54	1.814e3	2.718e3	8.749e1	1.498e2	0.58	NO	2.373e2	0.92037	0.92037	0.438
3	Total Penta-Dioxins	30.06	2.644e3	3.976e3	1.701e2	2.869e2	0.59	NO	4.570e2	1.7727	1.7727	0.438
4	Total Penta-Dioxins	30.22	2.302e3	2.465e3	1.894e2	2.566e2	0.74	YES	0.000e0	0.00000	1.6223	0.438
5	Total Penta-Dioxins	30.47	2.108e3	2.558e3	1.461e2	2.350e2	0.62	NO	3.811e2	1.4784	1.4784	0.438
6	1,2,3,7,8-PeCDD	31.17	2.025e3	2.429e3	8.504e1	2.337e2	0.36	YES	3.188e2	0.00000	0.85349	0.438
7	Total Penta-Dioxins	31.25	8.870e2	1.482e3	6.764e1	8.549e1	0.79	YES	0.000e0	0.00000	0.54054	0.438
8	Total Penta-Dioxins	31.51	1.149e3	1.214e3	5.062e1	5.566e1	0.91	YES	0.000e0	0.00000	0.35194	0.438

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Monday, June 07, 2021 15:07:46 Pacific Daylight Time

Printed: Monday, June 07, 2021 15:08:19 Pacific Daylight Time

Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430, Task: ST210525D2-1

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.95	9.892e4	7.576e4	8.092e3	6.412e3	1.26	NO	1.450e4	46.352	46.352	1.54
2	Total Hexa-Dioxins	33.59	7.567e3	6.237e3	6.112e2	4.334e2	1.41	NO	1.045e3	3.3384	3.3384	1.54
3	Total Hexa-Dioxins	33.89	4.263e4	3.879e4	4.936e3	4.091e3	1.21	NO	9.027e3	28.849	28.849	1.54
4	1,2,3,4,7,8-HxCDD	34.71	3.450e3	2.894e3	2.250e2	2.270e2	0.99	YES	4.521e2	0.00000	1.4121	1.54
5	1,2,3,6,7,8-HxCDD	34.87	1.268e4	9.992e3	1.324e3	1.073e3	1.23	NO	2.396e3	7.7124	7.7124	1.54
6	1,2,3,7,8,9-HxCDD	35.20	5.251e3	4.559e3	5.899e2	5.216e2	1.13	NO	1.111e3	2.9516	2.9516	1.38

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.67	4.697e5	4.420e5	6.168e4	5.930e4	1.04	NO	1.210e5	379.50	379.50	6.82
2	1,2,3,4,6,7,8-HpCDD	38.67	1.854e5	1.784e5	3.605e4	3.460e4	1.04	NO	7.065e4	221.62	221.62	6.82

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Monday, June 07, 2021 15:07:46 Pacific Daylight Time
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Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430, Task: ST210525D2-1

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	21.95	1.353e3	1.101e3	7.922e1	6.579e1	1.20	YES	0.000e0	0.00000	0.30134	0.360
2 Total Tetra-Furans	22.44	1.707e3	2.840e3	1.320e2	2.149e2	0.61	YES	0.000e0	0.00000	0.78536	0.360
3 Total Tetra-Furans	23.13	1.241e4	1.620e4	8.201e2	1.125e3	0.73	NO	1.945e3	5.0338	5.0338	0.360
4 Total Tetra-Furans	23.51	3.460e3	5.356e3	4.454e2	5.553e2	0.80	NO	1.001e3	2.5896	2.5896	0.360
5 Total Tetra-Furans	23.85	1.527e4	1.595e4	1.068e3	1.211e3	0.88	NO	2.279e3	5.8979	5.8979	0.360
6 Total Tetra-Furans	24.22	9.661e3	1.050e4	5.855e2	8.094e2	0.72	NO	1.395e3	3.6100	3.6100	0.360
7 Total Tetra-Furans	24.32	1.317e3	1.347e3	6.805e1	6.688e1	1.02	YES	0.000e0	0.00000	0.30633	0.360
8 Total Tetra-Furans	24.49	3.470e3	4.058e3	2.257e2	2.886e2	0.78	NO	5.143e2	1.3309	1.3309	0.360
9 Total Tetra-Furans	24.84	8.660e2	7.430e2	6.280e1	4.905e1	1.28	YES	0.000e0	0.00000	0.22468	0.360
10 Total Tetra-Furans	24.95	1.191e3	1.386e3	6.755e1	8.081e1	0.84	NO	1.484e2	0.38394	0.38394	0.360
11 Total Tetra-Furans	25.16	8.796e3	1.288e4	7.103e2	9.980e2	0.71	NO	1.708e3	4.4207	4.4207	0.360
12 Total Tetra-Furans	25.36	1.440e3	1.107e3	6.683e1	7.500e1	0.89	YES	0.000e0	0.00000	0.34356	0.360
13 Total Tetra-Furans	25.53	4.500e4	4.965e4	2.801e3	3.254e3	0.86	NO	6.055e3	15.670	15.670	0.360
14 Total Tetra-Furans	25.79	1.953e3	2.919e3	1.276e2	1.588e2	0.80	NO	2.864e2	0.74114	0.74114	0.360
15 Total Tetra-Furans	26.00	9.810e2	1.232e3	3.248e1	3.085e1	1.05	YES	0.000e0	0.00000	0.14131	0.360
16 Total Tetra-Furans	26.16	8.080e2	1.082e3	4.364e1	5.577e1	0.78	NO	9.941e1	0.25727	0.25727	0.360
17 Total Tetra-Furans	26.26	4.449e3	4.353e3	2.801e2	2.658e2	1.05	YES	0.000e0	0.00000	1.2175	0.360
18 2,3,7,8-TCDF	26.39	4.452e4	5.325e4	2.659e3	3.254e3	0.82	NO	5.913e3	15.301	15.301	0.360
19 Total Tetra-Furans	26.65	4.450e3	3.630e3	2.527e2	2.907e2	0.87	NO	5.434e2	1.4063	1.4063	0.360
20 Total Tetra-Furans	26.89	1.083e3	1.347e3	6.155e1	6.969e1	0.88	NO	1.312e2	0.33964	0.33964	0.360
21 Total Tetra-Furans	27.37	2.178e3	2.537e3	1.076e2	1.354e2	0.79	NO	2.430e2	0.62874	0.62874	0.360
22 Total Tetra-Furans	27.52	1.816e3	2.473e3	1.140e2	1.373e2	0.83	NO	2.513e2	0.65042	0.65042	0.360
23 Total Tetra-Furans	27.70	1.749e3	2.384e3	1.236e2	1.561e2	0.79	NO	2.798e2	0.72398	0.72398	0.360
24 Total Tetra-Furans	27.85	1.840e3	1.088e3	1.238e2	6.520e1	1.90	YES	0.000e0	0.00000	0.29864	0.360
25 Total Tetra-Furans	28.02	4.833e3	5.672e3	2.613e2	3.180e2	0.82	NO	5.793e2	1.4991	1.4991	0.360

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	27.67	6.221e4	3.683e4	3.267e3	2.005e3	1.63	NO	5.272e3	11.552	11.552	0.0970

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Monday, June 07, 2021 15:07:46 Pacific Daylight Time

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Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430, Task: ST210525D2-1

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Furans	28.98	4.626e3	3.733e3	3.010e2	2.336e2	1.29	YES	0.000e0	0.00000	1.0849	0.412
2 Total Penta-Furans	29.14	7.451e4	4.861e4	4.719e3	2.972e3	1.59	NO	7.691e3	16.853	16.853	0.412
3 Total Penta-Furans	29.70	1.196e4	8.471e3	7.804e2	5.213e2	1.50	NO	1.302e3	2.8522	2.8522	0.412
4 Total Penta-Furans	29.86	1.223e4	7.792e3	7.584e2	4.458e2	1.70	NO	1.204e3	2.6386	2.6386	0.412
5 1,2,3,7,8-PeCDF	30.06	1.284e5	7.391e4	7.338e3	4.604e3	1.59	NO	1.194e4	25.503	25.503	0.401
6 Total Penta-Furans	30.28	3.511e4	2.042e4	2.465e3	1.508e3	1.63	NO	3.973e3	8.7053	8.7053	0.412
7 2,3,4,7,8-PeCDF	31.01	6.324e4	4.213e4	3.960e3	2.479e3	1.60	NO	6.439e3	13.239	13.239	0.387
8 Total Penta-Furans	31.91	1.897e3	1.811e3	1.913e2	1.123e2	1.70	NO	3.037e2	0.66541	0.66541	0.412

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.38	3.422e4	2.527e4	2.488e3	1.975e3	1.26	NO	4.464e3	8.6633	8.6633	1.19
2 Total Hexa-Furans	32.54	1.081e5	9.114e4	8.393e3	6.809e3	1.23	NO	1.520e4	29.504	29.504	1.19
3 Total Hexa-Furans	32.98	2.447e3	2.563e3	1.679e2	1.538e2	1.09	NO	0.000e0	0.00000	0.62428	1.19
4 Total Hexa-Furans	33.22	1.291e5	1.075e5	1.137e4	9.018e3	1.26	NO	2.039e4	39.574	39.574	1.19
5 1,2,3,4,7,8-HxCDF	33.71	2.141e5	1.681e5	1.791e4	1.371e4	1.31	NO	3.163e4	65.088	65.088	1.05
6 1,2,3,6,7,8-HxCDF	33.86	6.205e4	4.631e4	5.647e3	4.481e3	1.26	NO	1.013e4	18.090	18.090	1.13
7 2,3,4,6,7,8-HxCDF	34.61	1.965e4	1.653e4	1.055e3	8.047e2	1.31	NO	1.860e3	3.4636	3.4636	1.12
8 Total Hexa-Furans	34.64	1.654e4	1.333e4	7.041e2	5.370e2	1.31	NO	1.241e3	2.4088	2.4088	1.19
9 1,2,3,7,8,9-HxCDF	35.79	1.766e4	1.481e4	1.210e3	1.033e3	1.17	NO	2.243e3	5.4128	5.4128	1.70
10 Total Hexa-Furans	35.81	1.472e4	1.007e4	6.555e2	4.480e2	1.46	YES	0.000e0	0.00000	1.9476	1.19

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	37.33	2.010e5	1.941e5	2.134e4	2.015e4	1.06	NO	4.148e4	94.722	94.722	1.37
2 Total Hepta-Furans	37.97	3.015e5	3.026e5	3.854e4	3.801e4	1.01	NO	7.655e4	198.90	198.90	2.02
3 1,2,3,4,7,8,9-HpCDF	39.41	2.025e4	1.956e4	3.502e3	3.266e3	1.07	NO	6.768e3	19.936	19.936	2.80

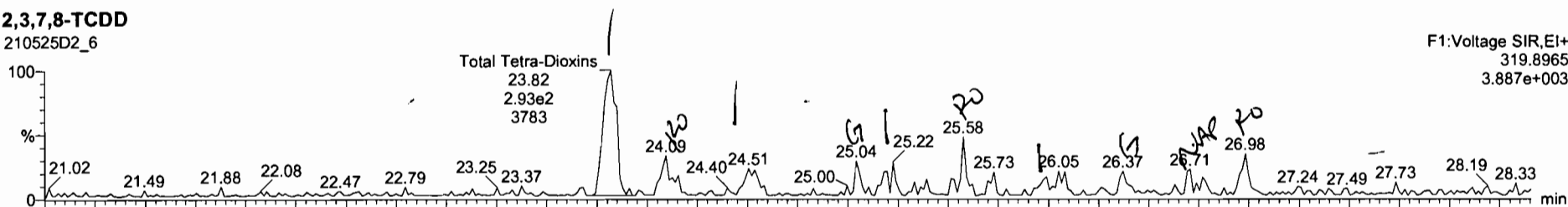
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Printed: Wednesday, May 26, 2021 12:24:19 Pacific Daylight Time

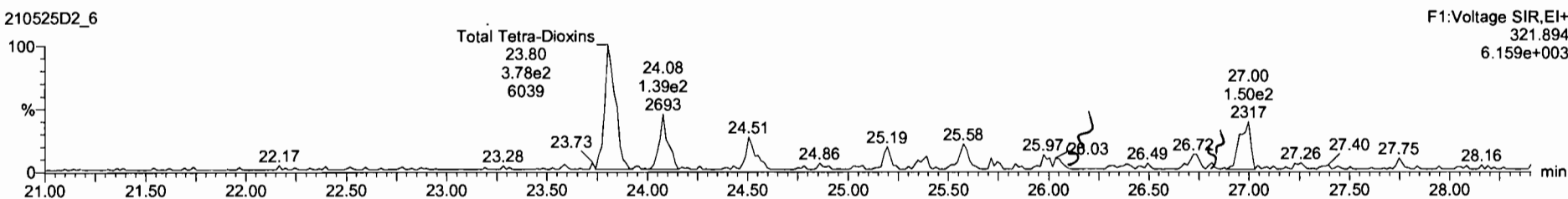
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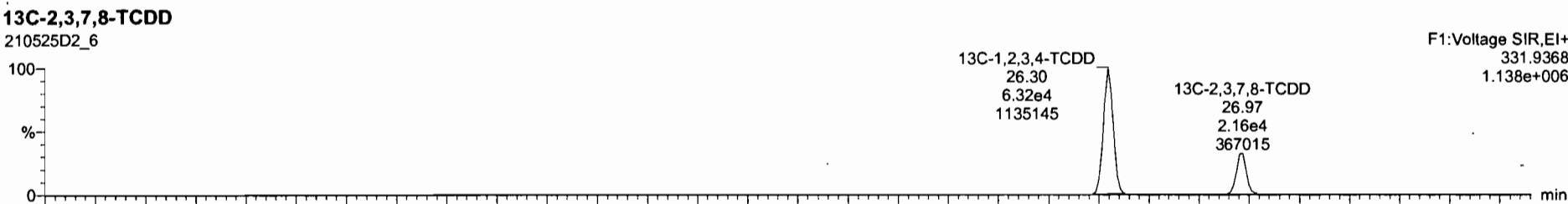
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210525D2_6



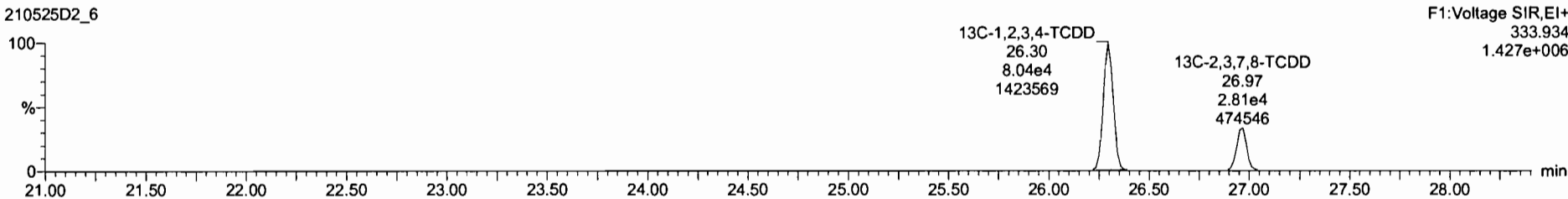
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13C-2,3,7,8-TCDD
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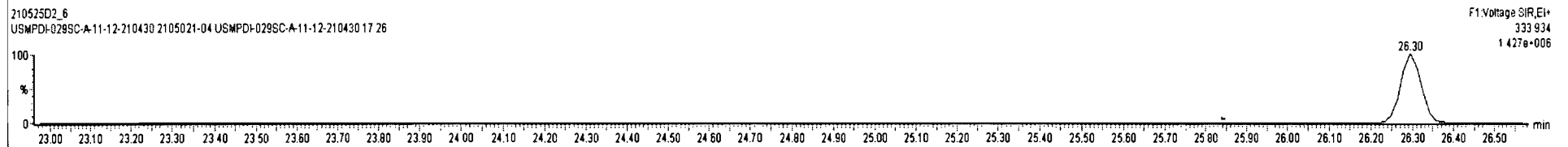
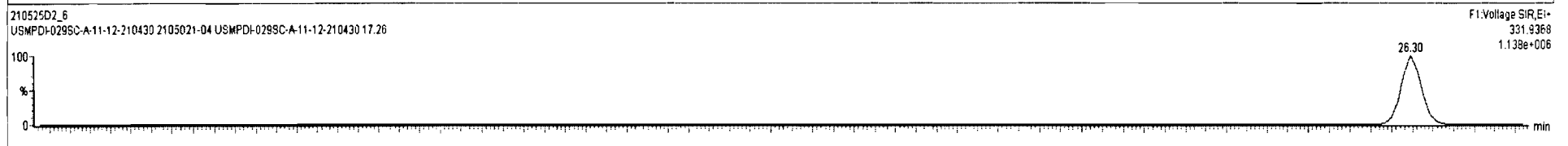
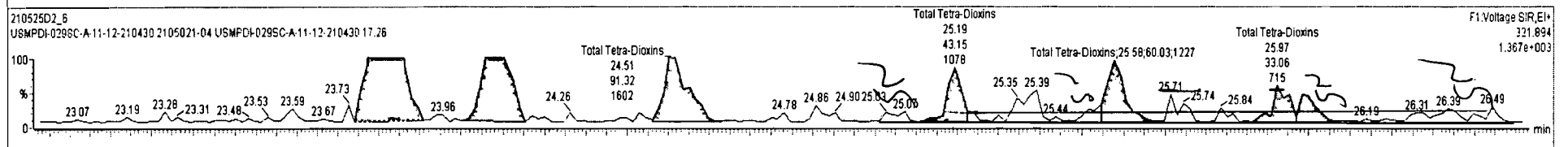
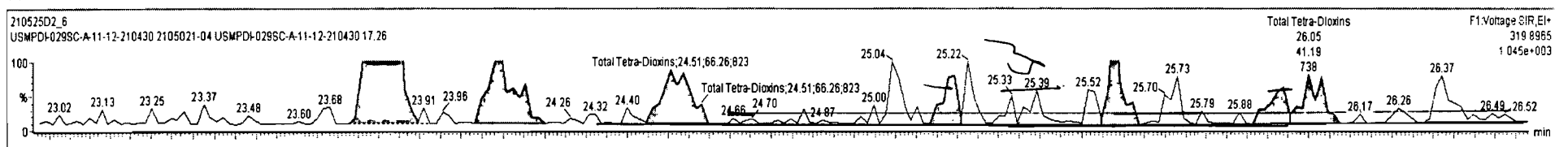


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Name	Resp	RA	nly	RRF	wtvol	RT	RRT	Conc.	%Rec	DL	EMPC
23 13C-1,2,3,4,6,7,8-HxCDD	5.94e4	1.06	NO	0.58	10.077	38.68	1.130	118	59.4	0.917	
24 13C-OCDD	9.46e4	0.87	NO	0.45	10.077	42.59	1.245	242	61.1	3.18	
25 13C-2,3,7,8-TCDF	8.88e4	0.76	NO	1.09	10.077	26.37	1.003	55.8	28.1	0.237	
26 13C-1,2,3,7,8-PeCDF	9.80e4	1.64	NO	0.80	10.077	30.04	1.143	83.5	42.0	0.414	
27 13C-2,3,4,7,8-PeCDF	9.30e4	1.63	NO	0.79	10.077	30.99	1.179	80.5	40.6	0.420	
28 13C-1,2,3,4,7,8-HxCDF	9.25e4	0.50	NO	1.00	10.077	33.69	0.985	107	54.0	1.33	
29 13C-1,2,3,6,7,8-HxCDF	1.03e5	0.49	NO	1.03	10.077	33.85	0.989	116	58.6	1.29	
30 13C-2,3,4,6,7,8-HxCDF	9.54e4	0.51	NO	0.94	10.077	34.60	1.011	117	59.2	1.41	

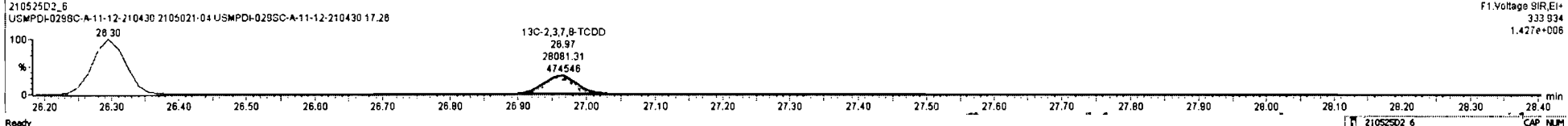
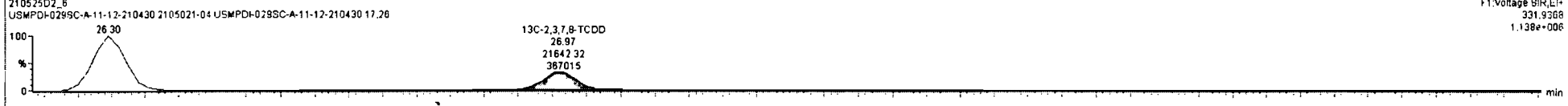
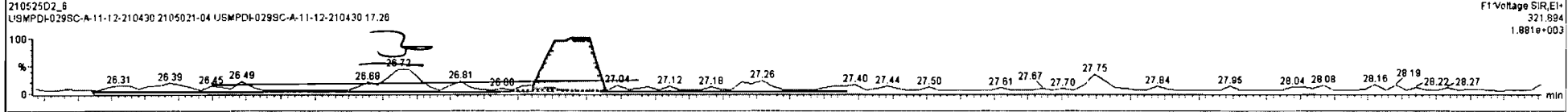
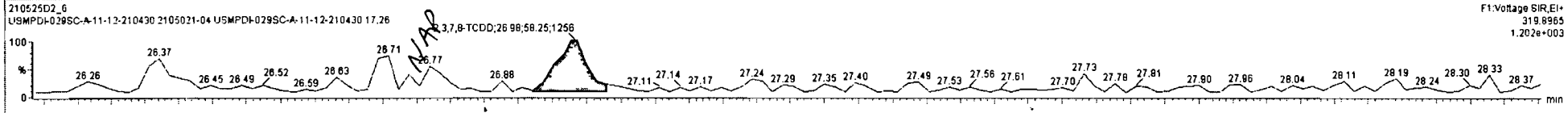
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1 Total Tetra-Dioxins	23.82	2.888e2	3.799e2	0.76	NO	2.5471	2.5471
2 Total Tetra-Dioxins	24.09	8.013e1	1.385e2	0.58	YES	0.70162	0.00000
3 Total Tetra-Dioxins	24.51	6.626e1	9.132e1	0.73	NO	0.60028	0.60028
4 Total Tetra-Dioxins	25.19	3.299e1	4.315e1	0.76	NO	0.29002	0.29002
5 Total Tetra-Dioxins	25.58	5.534e1	6.003e1	0.92	YES	0.40474	0.00000
6 Total Tetra-Dioxins	25.99	2.825e1	3.306e1	0.85	NO	0.23357	0.00000
7 Total Tetra-Dioxins	26.05	4.119e1	2.522e1	1.63	YES	0.17007	0.00000
8 2,3,7,8-TCDD	26.98	6.200e1	1.507e2	0.41	YES	0.54290	0.00000



210525D2_6 - 2105021-04 USMPDI-029SC-A-11-12-210430 17 26 - USMPDI-029SC-A-11-12-210430

Name	Resp	RA	n/y	RF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
23 13C-1,2,3,4,6,7,8-HpCDD	5.94e4	1.06	NO	0.58	10.077	26.66	1.130	118	59.4	0.917	
24 13C-OCDD	9.46e4	0.87	NO	0.45	10.077	42.59	1.245	242	61.1	3.18	
25 13C-2,3,7,8-TCDF	8.86e4	0.76	NO	1.08	10.077	26.37	1.003	55.8	28.1	0.237	
26 13C-1,2,3,7,8-PeCDF	9.80e4	1.64	NO	0.80	10.077	30.04	1.143	83.5	42.0	0.414	
27 13C-2,3,4,7,8-PeCDF	9.30e4	1.63	NO	0.79	10.077	30.99	1.179	80.5	40.6	0.420	
28 13C-1,2,3,4,7,8-HxCDF	9.25e4	0.50	NO	1.00	10.077	33.69	0.965	107	54.0	1.33	
29 13C-1,2,3,6,7,8-HxCDF	1.03e5	0.49	NO	1.03	10.077	33.85	0.989	116	58.6	1.29	
30 13C-2,3,4,6,7,8-HxCDF	9.54e4	0.51	NO	0.94	10.077	34.60	1.011	117	59.2	1.41	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	23.82	2.889e2	3.799e2	0.76	NO	2.5471	2.5471
2 Total Tetra-Dioxins	24.09	8.013e1	1.385e2	0.58	YES	0.70162	0.00000
3 Total Tetra-Dioxins	24.51	6.626e1	9.132e1	0.73	NO	0.60028	0.60028
4 Total Tetra-Dioxins	25.19	3.299e1	4.315e1	0.76	NO	0.29002	0.29002
5 Total Tetra-Dioxins	25.58	5.534e1	6.003e1	0.92	YES	0.40474	0.00000
6 Total Tetra-Dioxins	25.98	2.825e1	3.306e1	0.85	NO	0.23357	0.00000
7 Total Tetra-Dioxins	26.05	4.119e1	2.522e1	1.63	YES	0.17007	0.00000
8 2,3,7,8-TCDD	26.98	5.825e1	1.456e2	0.40	YES	0.51006	0.00000



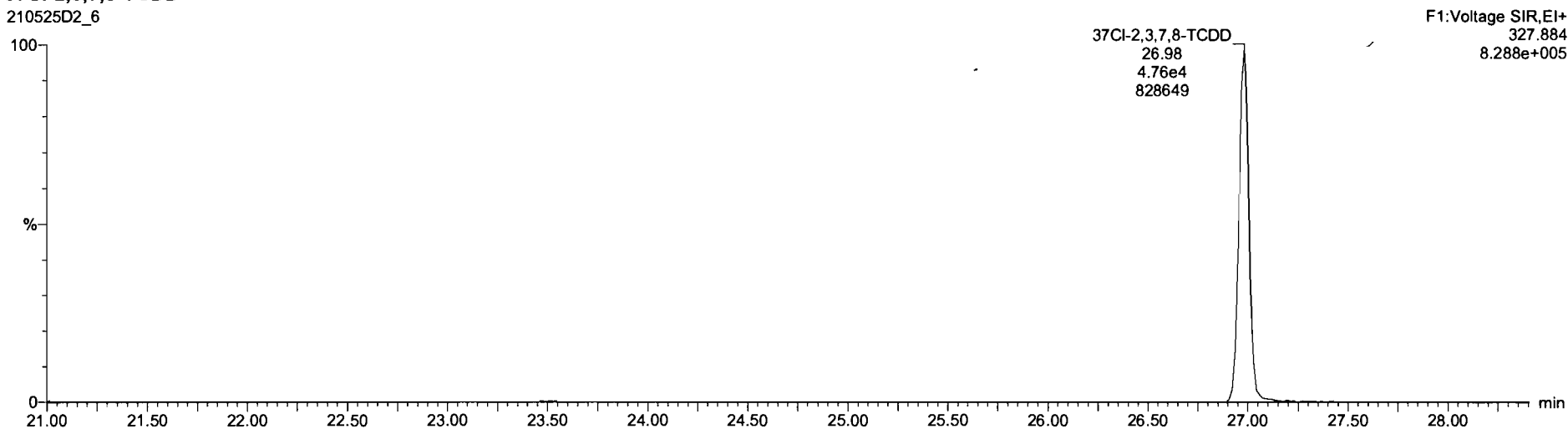
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Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430

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

210525D2_6

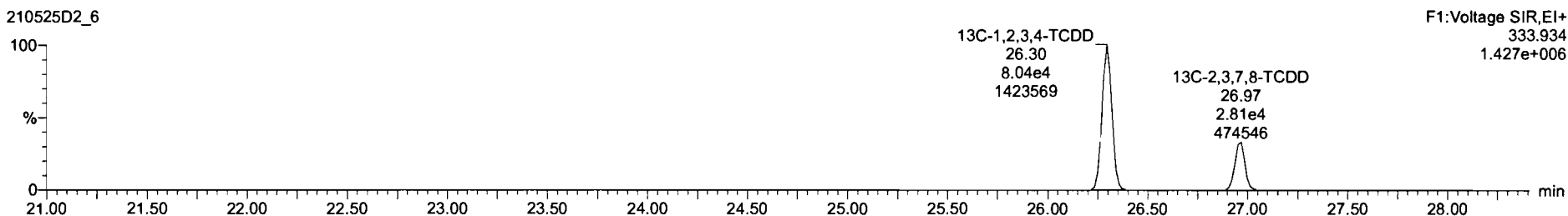


13C-1,2,3,4-TCDD

210525D2_6



210525D2_6

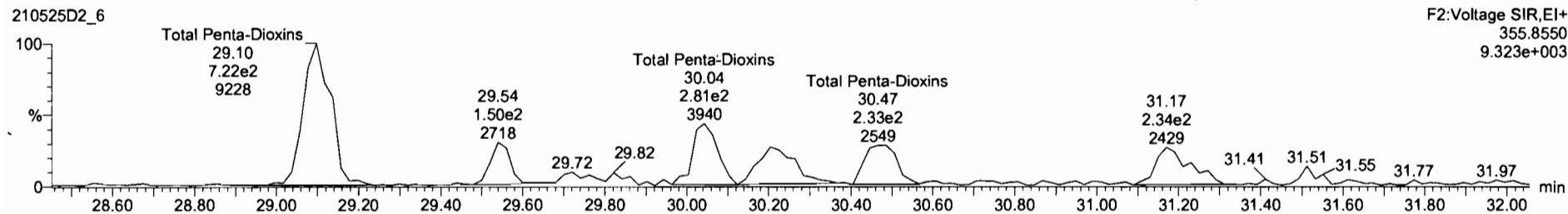
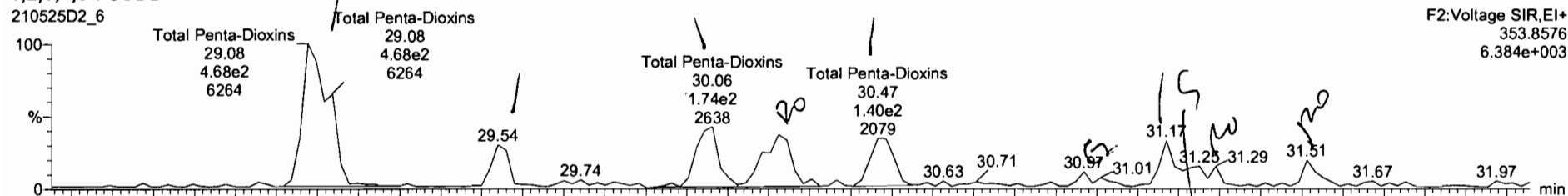


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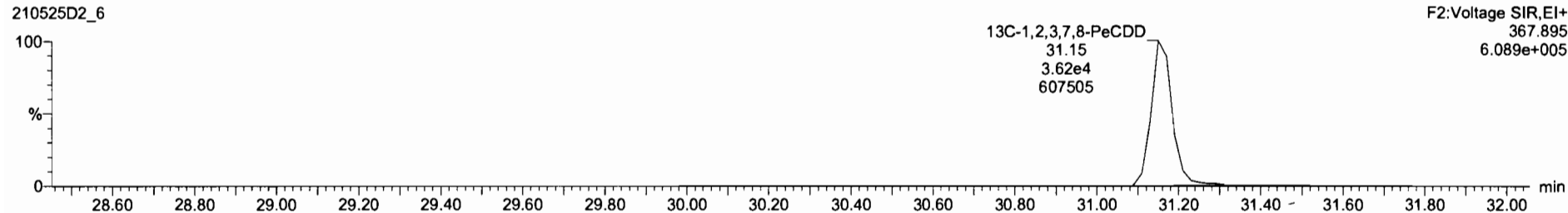
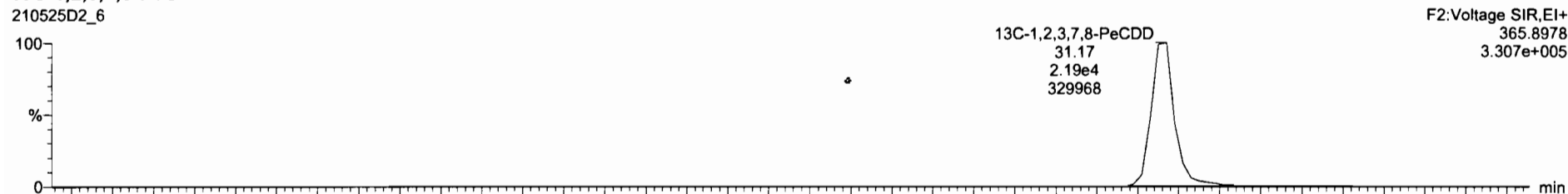
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1,2,3,7,8-PeCDD



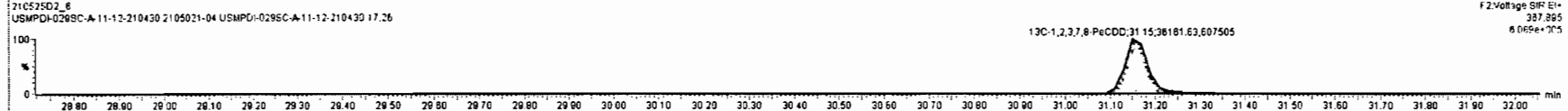
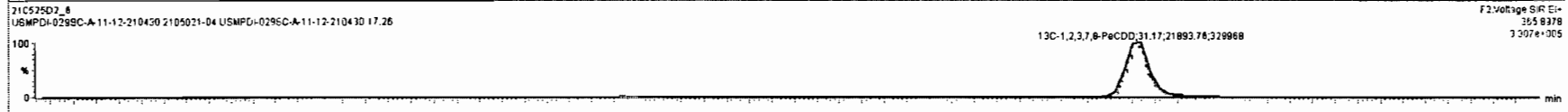
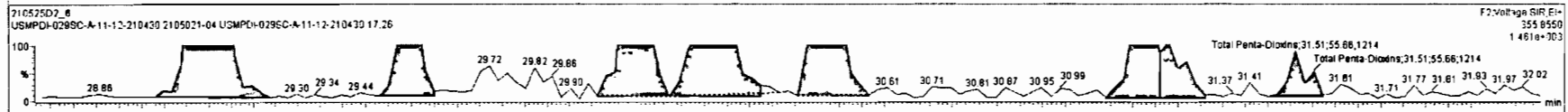
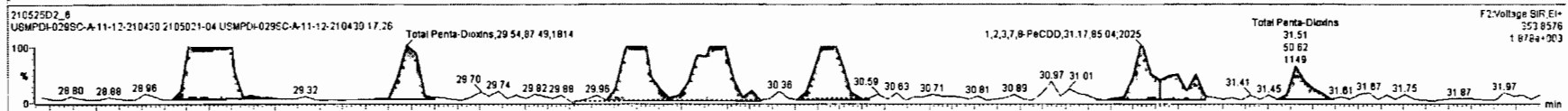
13C-1,2,3,7,8-PeCDD



21052502_6 - 2105021-04 USMPDI-029SC-A-11-12-210430 17.26 - USMPDI-029SC-A-11-12-210430

Name	Resp	RA	nly	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins		0.86	10.077		9.74			0.436	12.3		
41 Total Hexa-Dioxins		1.01	10.077		77.5			1.54	84.8		
42 Total Hepta-Dioxins		1.07	10.077		588			6.82	588		
43 Total Tetra-Furans		0.86	10.077		56.4			0.360	59.5		
44 1st Func. Penta-Furans		0.95	10.077		11.6			0.0970	11.6		
45 Total Penta-Furans		0.95	10.077		67.0			0.412	70.4		
46 Total Hexa-Furans		1.12	10.077		172			1.19	172		
47 Total Hepta-Furans		1.16	10.077		310			2.02	310		

Name	RT	wt Resp	n2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.08	4.876e2	7.219e2	0.66	NO	4.6130	4.6130
2 Total Penta-Dioxins	29.54	8.748e1	1.529e2	0.57	NO	0.82151	0.82151
3 Total Penta-Dioxins	30.06	1.701e2	2.862e2	0.68	NO	1.7227	1.7227
4 Total Penta-Dioxins	30.22	1.694e2	2.586e2	0.74	YES	1.6223	0.00000
5 Total Penta-Dioxins	30.47	1.461e2	2.352e2	0.62	NO	1.4784	1.4784
6 1,2,3,7,8-PeCDD	31.17	8.504e1	1.983e2	0.54	NO	0.94377	0.94377
7 Total Penta-Dioxins	31.25	6.754e1	8.549e1	0.78	YES	0.54054	0.00000
8 Total Penta-Dioxins	31.51	5.062e1	5.566e1	0.81	YES	0.35194	0.00000

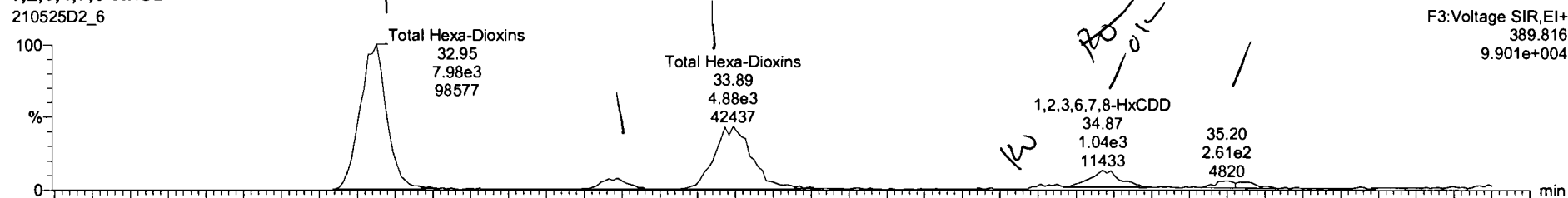


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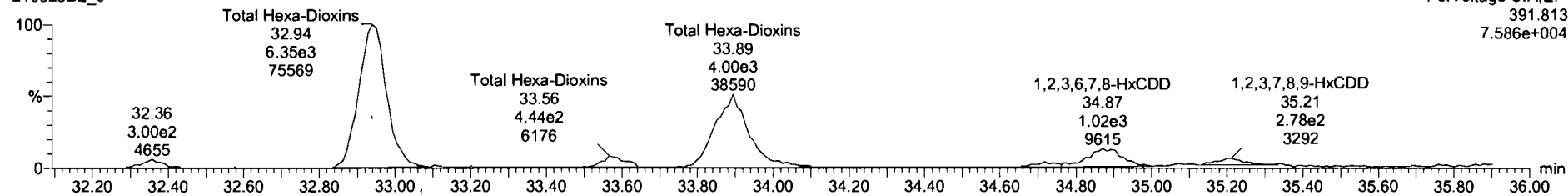
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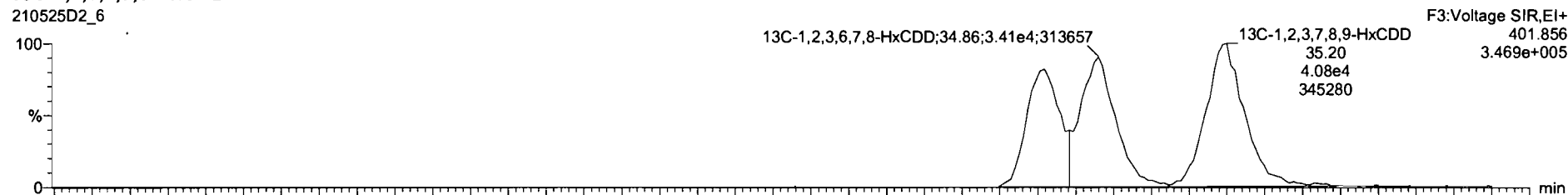
1,2,3,4,7,8-HxCDD



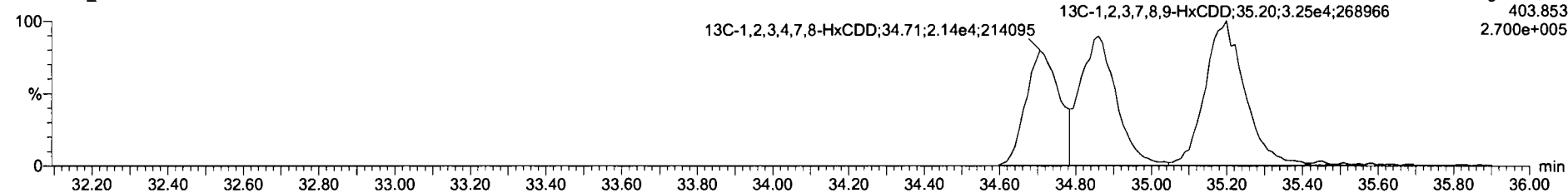
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13C-1,2,3,4,7,8-HxCDD



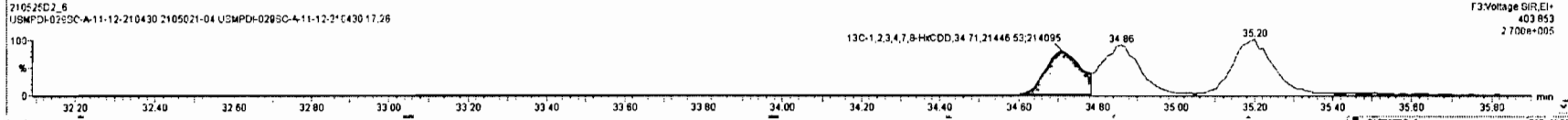
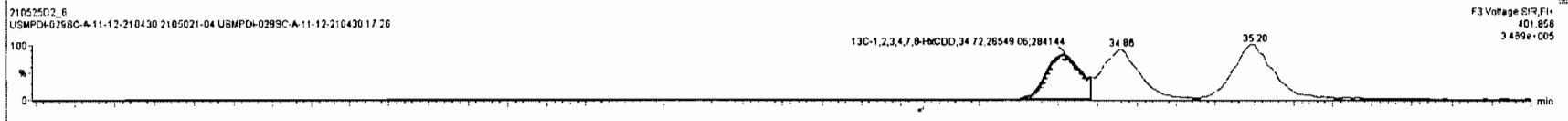
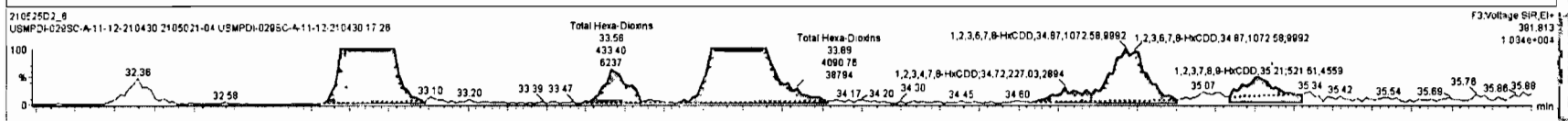
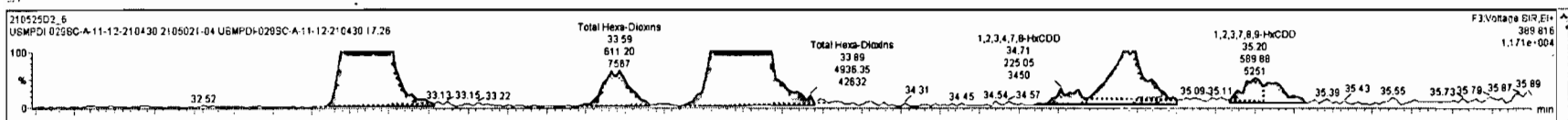
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21052502_6 - 2105021-04 USMPDI-0295C-A-11-12-210430 17.26 USMPDI-0295C-A-11-12-210430

Name	RetSp	RA	nly	RRF	wVol	RT	RR1	Conc	%Rec	DL	EMPC
24 13C-OCDD	9.45e4	0.87	NO	0.45	10.077	42.59	1.245	242	81.1	3.18	
25 13C-2,3,7,8-TCDF	8.88e4	0.76	NO	1.08	10.077	28.37	1.003	55.8	26.1	0.237	
26 13C-1,2,3,7,8-PeCDF	9.80e4	1.54	NO	0.80	10.077	30.04	1.143	83.5	42.0	0.414	
27 13C-2,3,4,7,8-PeCDF	9.30e4	1.63	NO	0.78	10.077	30.99	1.179	80.5	40.6	0.420	
28 13C-1,2,3,4,7,8-HxCDF	9.25e4	0.50	NO	1.00	10.077	33.69	0.985	107	54.0	1.33	
29 13C-1,2,3,6,7,8-HxCDF	1.03e5	0.48	NO	1.03	10.077	33.85	0.989	118	58.8	1.28	
30 13C-2,3,4,6,7,8-HxCDF	9.54e4	0.51	NO	0.84	10.077	34.80	1.011	117	58.2	1.41	
31 13C-1,2,3,7,8-HxCDF	7.45e4	0.50	NO	0.85	10.077	35.75	1.045	102	51.2	1.55	

Name	RT	Int Resp	Int Resp	RA	nly	EMPC	Conc
1 Total Hexa-Chlorins	32.95	8.092e3	8.412e3	1.26	NO	46.352	46.352
2 Total Hexa-Chlorins	33.59	8.112e2	4.234e2	1.41	NO	3.3394	3.3394
3 Total Hexa-Chlorins	33.89	4.935e3	4.091e3	1.21	NO	28.848	28.848
4 1,2,3,4,7,8-HxCDD	34.71	2.250e2	2.270e2	0.99	YES	1.4121	0.00000
5 1,2,3,6,7,8-HxCDD	34.87	1.324e3	1.073e3	1.23	NO	7.7124	7.7124
6 1,2,3,7,8,9-HxCDD	35.20	5.898e2	5.219e2	1.13	NO	2.9516	2.9516



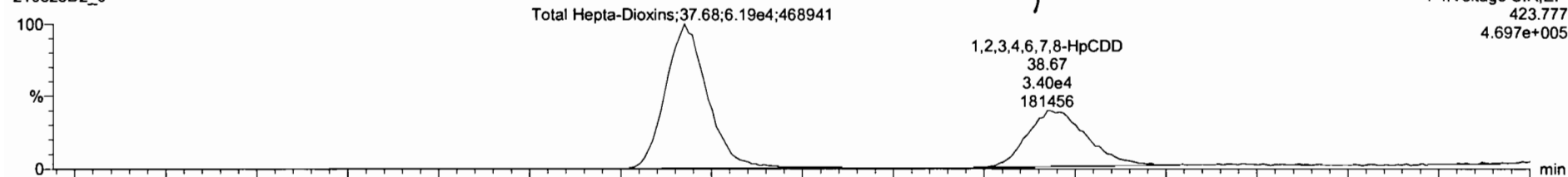
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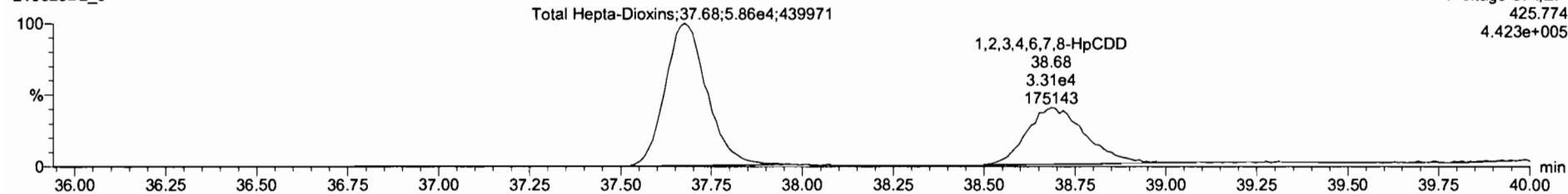
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1,2,3,4,6,7,8-HpCDD

210525D2_6

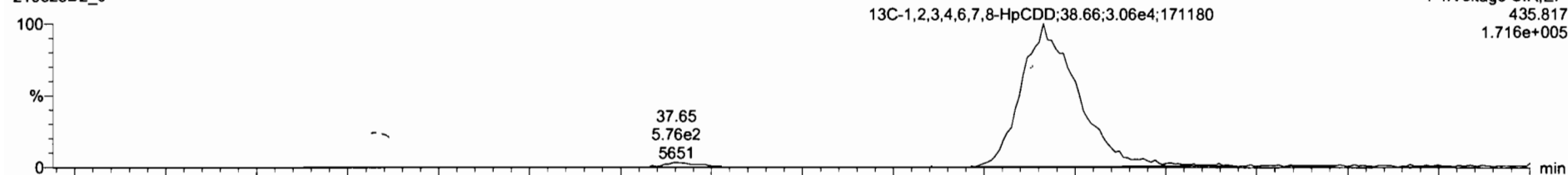


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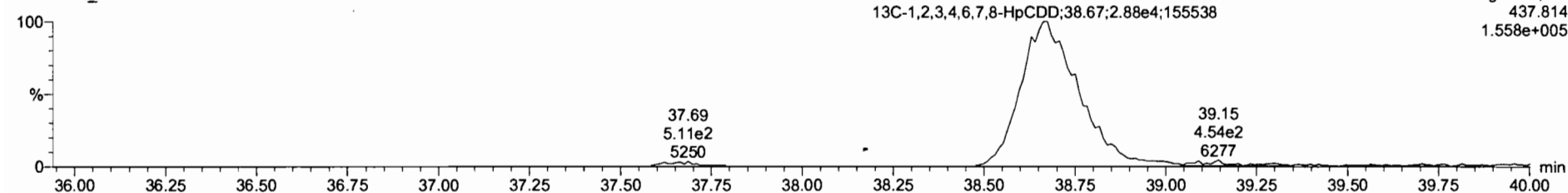


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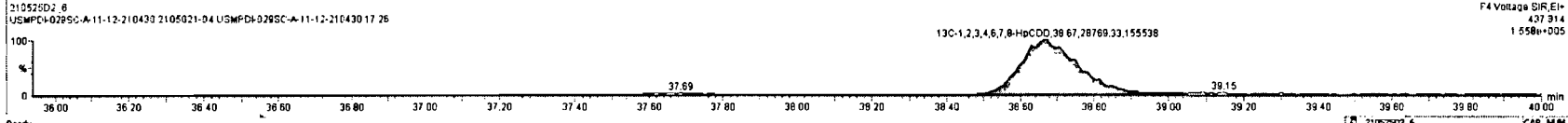
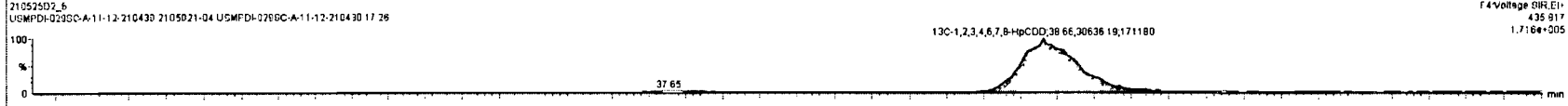
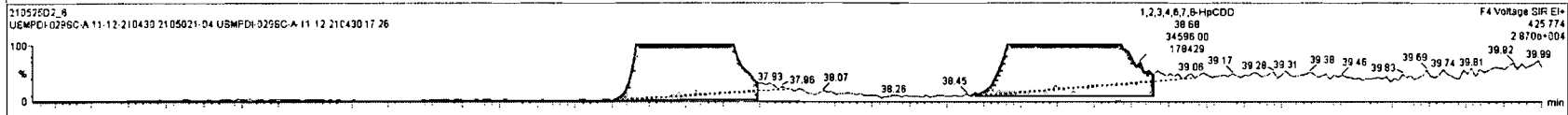
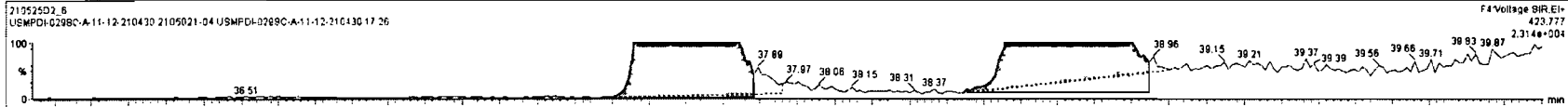
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21052502_6 - 210502104 USMFDI-029SC-A-11-12-210430 17 26 - USMFDI-029SC-A-11-12-210430

Name	Resp	RA	n/y	RPF	wtAvd	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.077			601		6.82	801
43 Total Tetra-Furans				0.86	10.077			56.4		0.360	58.3
44 1st Func. Penta-Furans				0.95	10.077			11.6		0.0970	11.8
45 Total Penta-Furans				0.95	10.077			87.0		0.412	70.4
46 Total Hexa-Furans				1.12	10.077			172		1.18	172
47 Total Hepta-Furans				1.16	10.077			310		2.02	310
48 PFK1											
49 PFK2											

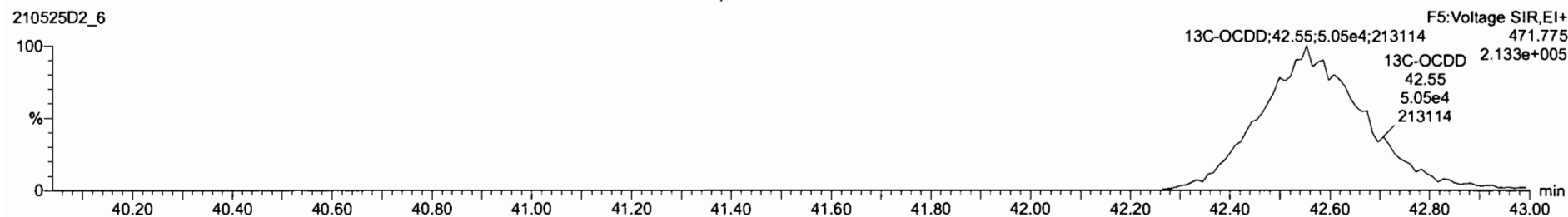
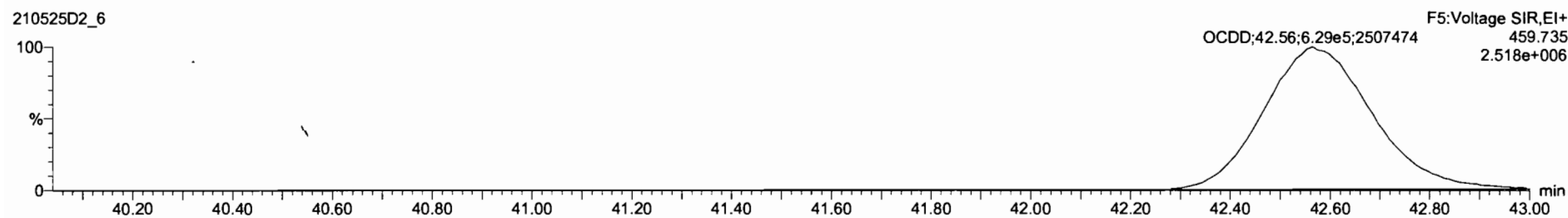
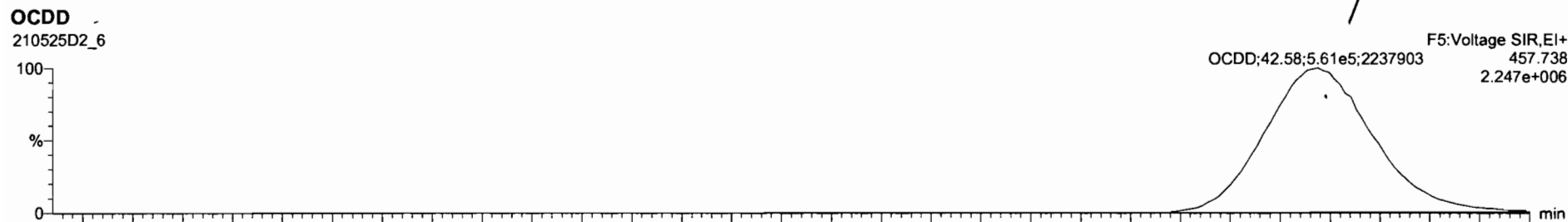
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta Dioxin	37.69	6.168e4	5.830e4	1.04	NO	378.50	378.50
2 1,2,3,4,6,7,8-HpCDD	38.67	3.805e4	3.480e4	1.04	NO	221.62	221.62



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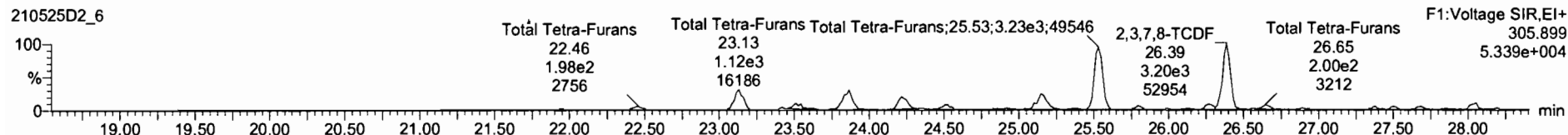
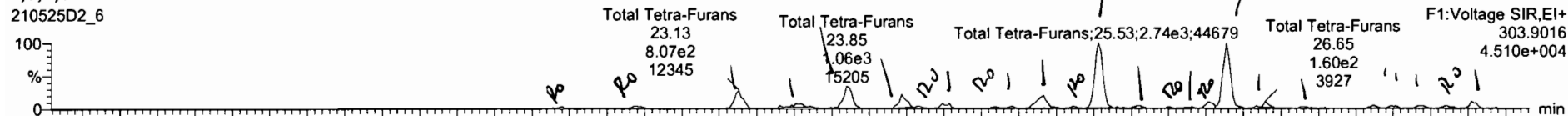


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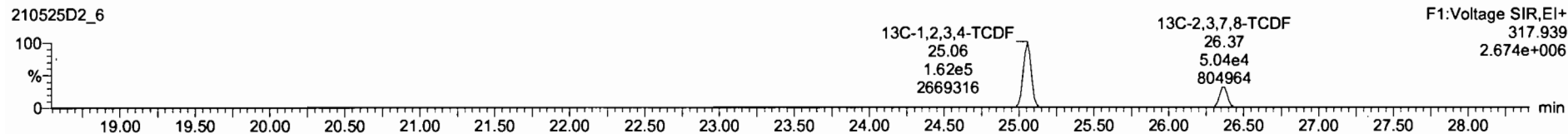
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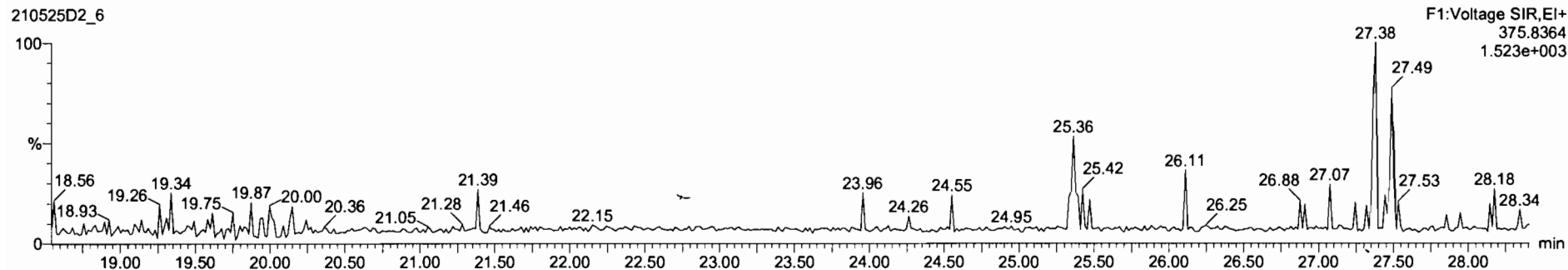
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13C-2,3,7,8-TCDF

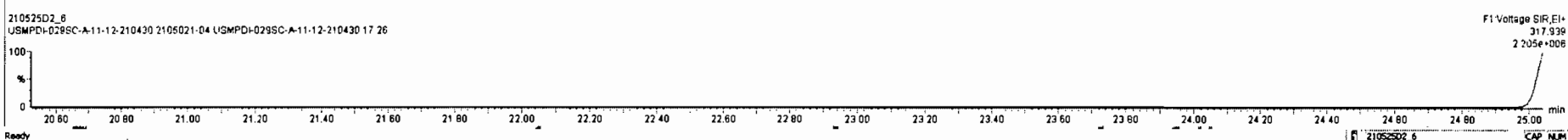
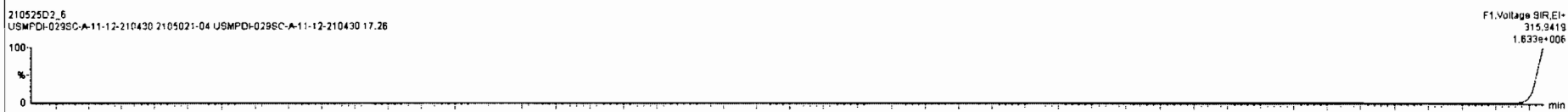
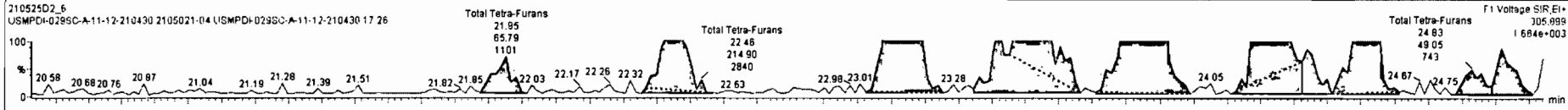
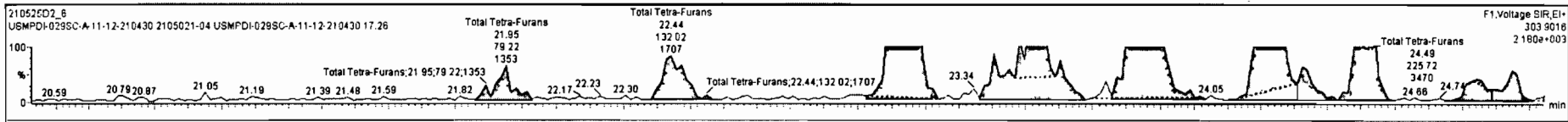


DPE1



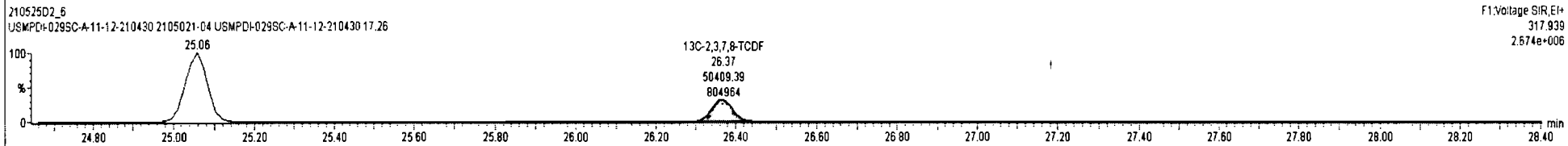
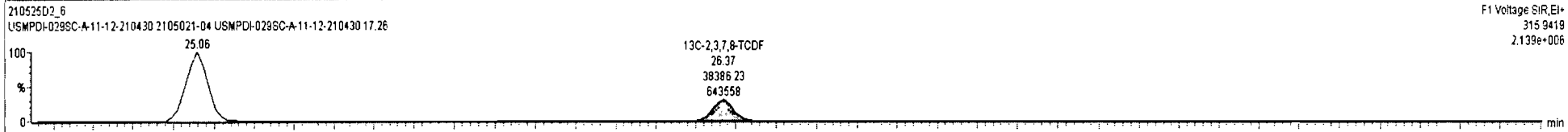
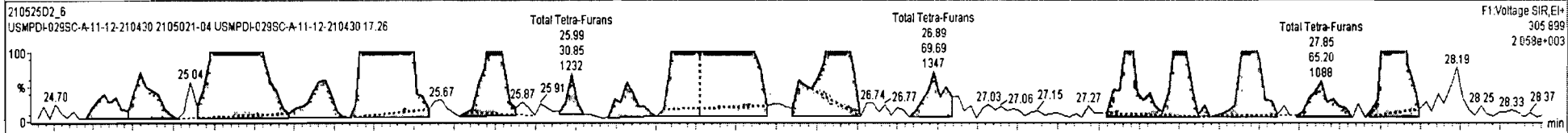
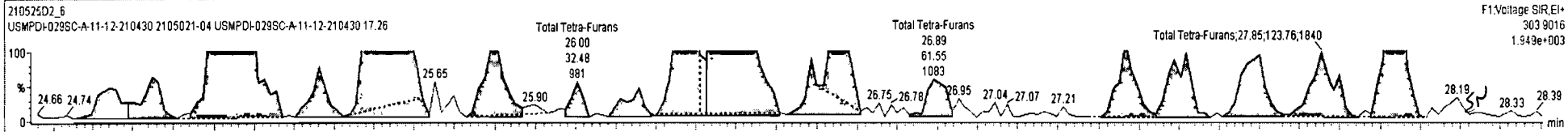
Name	Resp	RA	n/y	RFI	wtAvd	RT	RRT	Conc	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	2.90e5	0.79	NO	1.00	10.077	25.06	1.000	198	100	0.258
38	13C-1,2,3,4,6,9-HxCDF	1.72e5	0.50	NO	1.00	10.077	34.21	1.000	198	100	1.32
39	Total Tetra-Dioxins				1.05	10.077			3.67		0.280 5.29
40	Total Penta-Dioxins				0.88	10.077			8.78		0.438 12.2
41	Total Hexa-Dioxins				1.01	10.077			89.2		1.54 90.6
42	Total Hepta-Dioxins				1.07	10.077			601		6.82 801
43	Total Tetra-Furans				0.86	10.077			60.5		0.360 64.1
44	1st Func. Penta-Furans				0.95	10.077			11.8		0.0970 11.6
45	Total Penta-Furans				0.95	10.077			67.0		0.412 70.4

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.44	1.320e2	2.149e2	0.61	YES	0.78536 0.00000
2	Total Tetra-Furans	23.13	8.201e2	1.125e3	0.73	NO	5.0338 5.0338
3	Total Tetra-Furans	23.51	4.454e2	5.553e2	0.80	NO	2.5896 2.5896
4	Total Tetra-Furans	23.85	1.068e3	1.211e3	0.88	NO	5.8979 5.8979
5	Total Tetra-Furans	24.22	5.855e2	8.094e2	0.72	NO	3.6100 3.6100
6	Total Tetra-Furans	24.49	2.257e2	2.886e2	0.78	NO	1.3309 1.3309
7	Total Tetra-Furans	25.16	7.103e2	9.980e2	0.71	NO	4.4207 4.4207
8	Total Tetra-Furans	25.53	2.801e3	3.254e3	0.86	NO	15.670 15.670



Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
37 13C-1,2,3,4-TCDF	2.90e5	0.79	NO	1.00	10.077	25.06	1.000	198	100	0.258	
38 13C-1,2,3,4,6,9-HxCDF	1.72e5	0.50	NO	1.00	10.077	34.21	1.000	198	100	1.32	
39 Total Tetra-Dioxins				1.05	10.077			3.67		0.260	5.29
40 Total Penta-Dioxins				0.88	10.077			8.78		0.438	12.2
41 Total Hexa-Dioxins				1.01	10.077			89.2		1.54	90.6
42 Total Hepta-Dioxins				1.07	10.077			601		6.82	601
43 Total Tetra-Furans				0.86	10.077			80.5		0.360	64.1
44 1st Func. Penta-Furans				0.95	10.077			11.6		0.0970	11.6
45 Total Penta-Furans				0.95	10.077			67.0		0.412	70.4

Name	RT /-	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
6 Total Tetra-Furans	24.22	5.855e2	8.094e2	0.72	NO	3.6100	3.6100
7 Total Tetra-Furans	24.32	6.805e1	6.688e1	1.02	YES	0.30633	0.00000
8 Total Tetra-Furans	24.49	2.257e2	2.866e2	0.78	NO	1.3309	1.3309
9 Total Tetra-Furans	24.84	6.280e1	4.905e1	1.28	YES	0.22468	0.00000
10 Total Tetra-Furans	24.95	6.755e1	8.081e1	0.84	NO	0.38394	0.38394
11 Total Tetra-Furans	25.16	7.103e2	9.980e2	0.71	NO	4.4207	4.4207
12 Total Tetra-Furans	25.36	6.683e1	7.500e1	0.89	YES	0.34356	0.00000
13 Total Tetra-Furans	25.53	2.801e3	3.254e3	0.86	NO	15.670	15.670



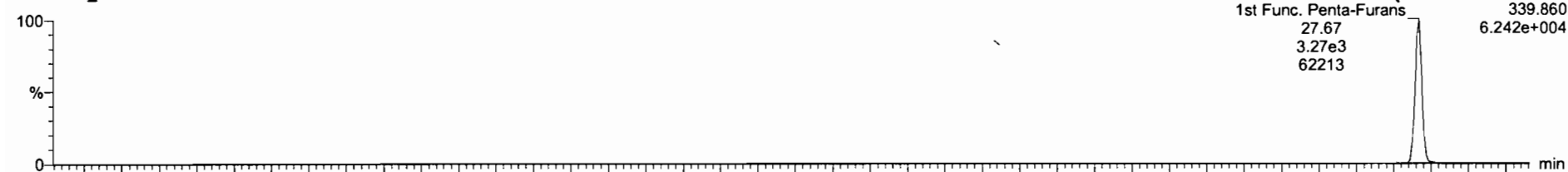
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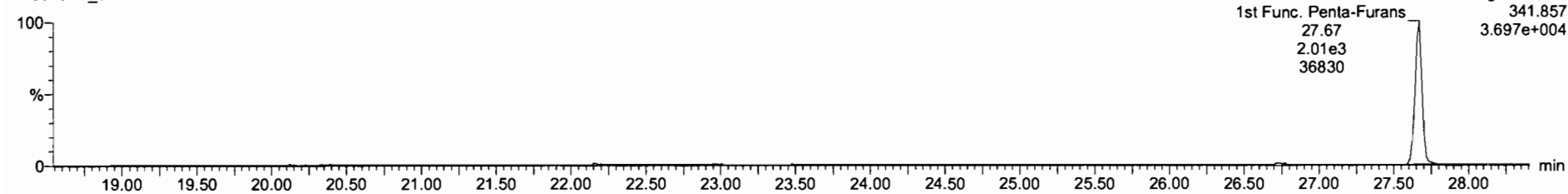
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1st Func. Penta-Furans

210525D2_6

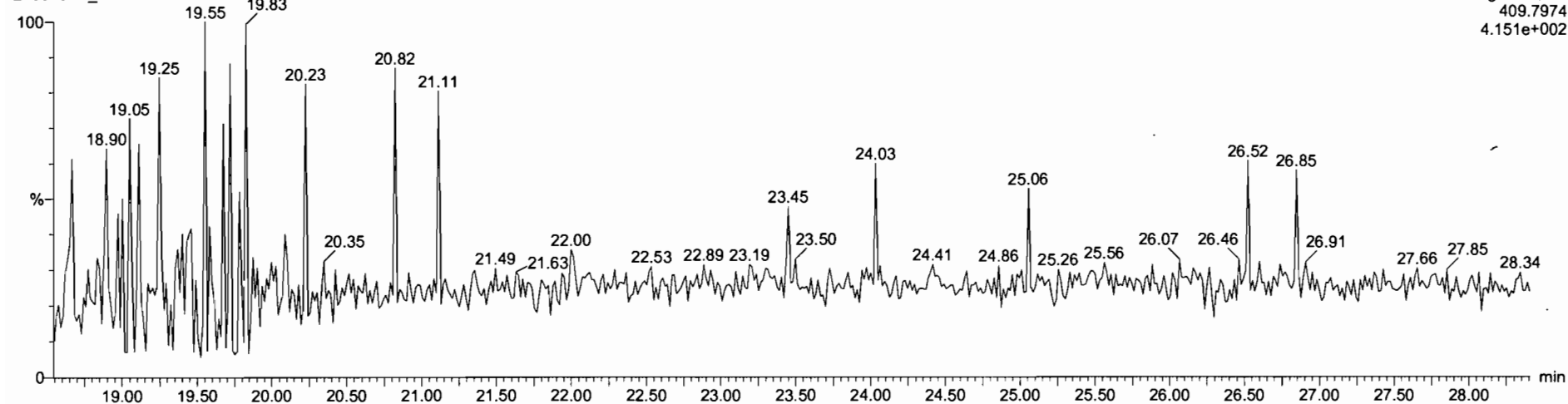


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DPE6

210525D2_6

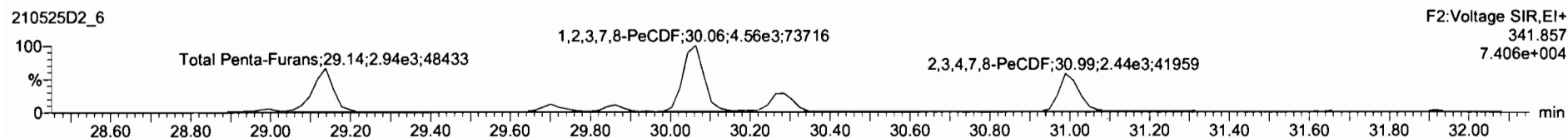
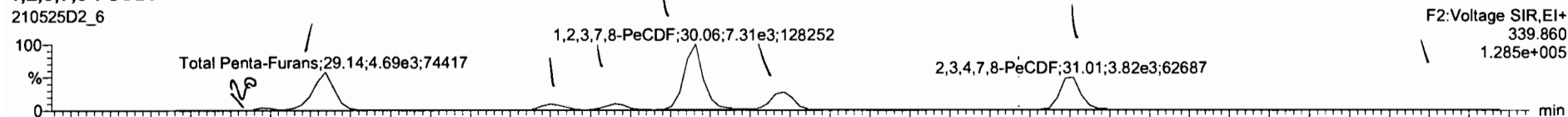


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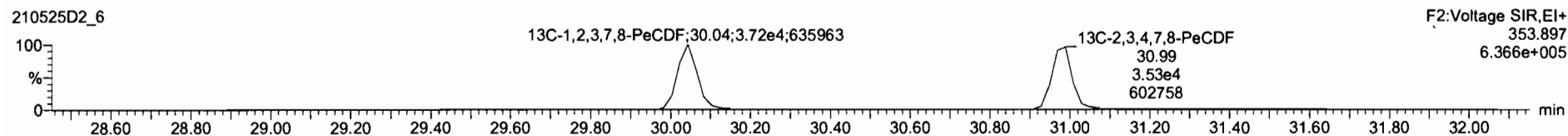
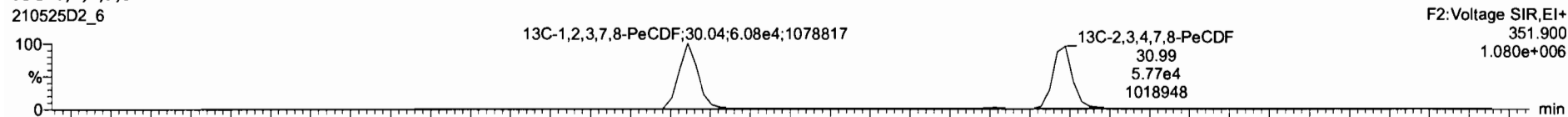
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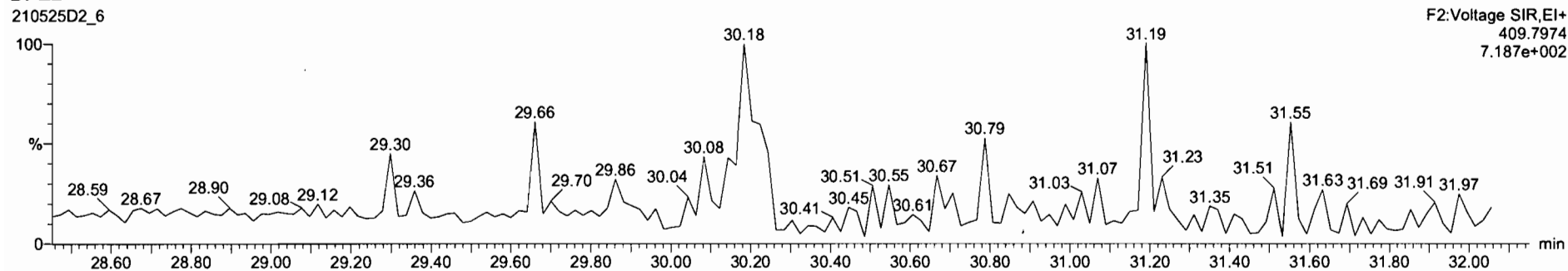
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13C-1,2,3,7,8-PeCDF



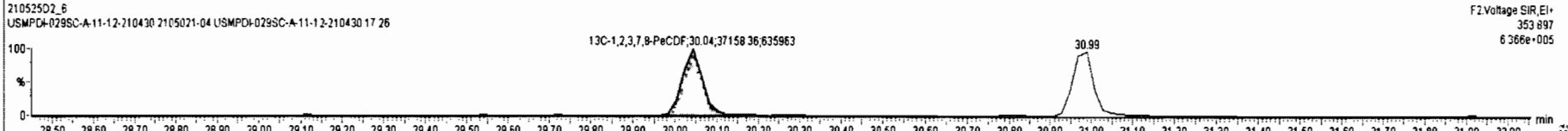
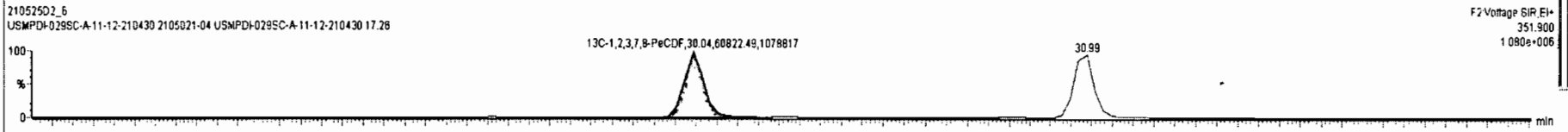
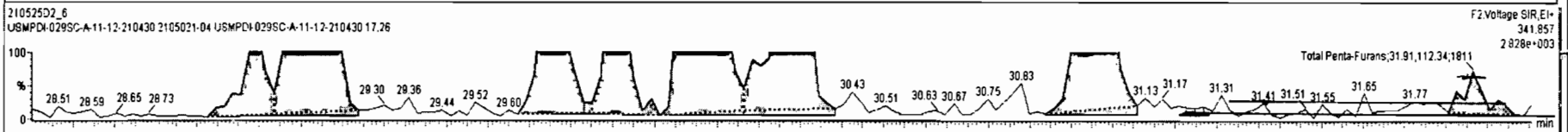
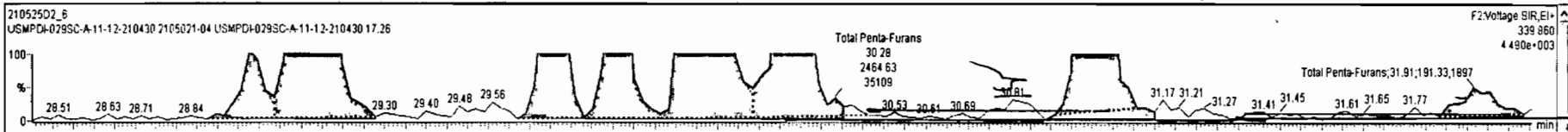
DPE2



21052502_6 - 2105021-04 USMPDI-0295C-A-11-12-210430 17.26 - USMPDI-0295C-A-11-12-210430

Name	Resp	RA	n/y	RRF	w/wvd	RT	RRT	Conc.	%Rec	DL	EMPC
37 13C-1,2,3,4-TCDF	2.90e5	0.79	NO	1.00	10.077	25.06	1.000	198	100	0.258	
38 13C-1,2,3,4,6,9-HxCDF	1.72e5	0.50	NO	1.00	10.077	34.21	1.000	198	100	1.32	
39 Total Tetra-Dioxins				1.05	10.077			3.67		0.280	5.29
40 Total Penta-Dioxins				0.88	10.077			8.78		0.438	12.2
41 Total Hexa-Dioxins				1.01	10.077			89.2		1.54	90.6
42 Total Hepta-Dioxins				1.07	10.077			601		6.82	601
43 Total Tetra-Furans				0.86	10.077			60.5		0.360	64.1
44 1st Func. Penta-Furans				0.95	10.077			11.6		0.0970	11.6
45 Total Penta-Furans				0.95	10.077			70.5		0.412	71.5

Name	RT (min)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.98	3.010e2	2.336e2	1.29	YES	1.0849	0.00000
2 Total Penta-Furans	29.14	4.719e3	2.972e3	1.59	NO	16.853	16.853
3 Total Penta-Furans	29.70	7.804e2	5.213e2	1.50	NO	2.8522	2.8522
4 Total Penta-Furans	29.86	7.584e2	4.458e2	1.70	NO	2.6366	2.6366
5 1,2,3,7,8-PeCDF	30.06	7.338e3	4.604e3	1.59	NO	25.503	25.503
6 Total Penta-Furans	30.28	2.465e3	1.508e3	1.63	NO	8.7053	8.7053
7 2,3,4,7,8-PeCDF	31.01	3.960e3	2.479e3	1.60	NO	13.239	13.239
8 Total Penta-Furans	31.91	1.913e2	1.129e2	1.70	NO	0.66541	0.66541

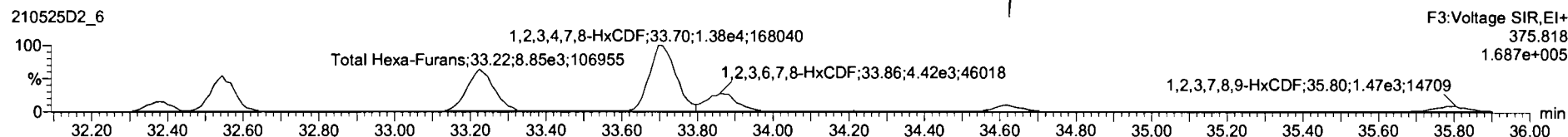
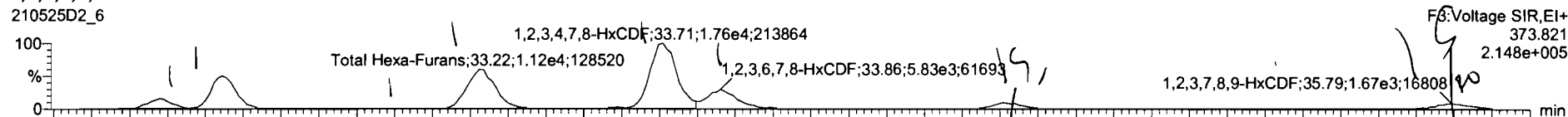


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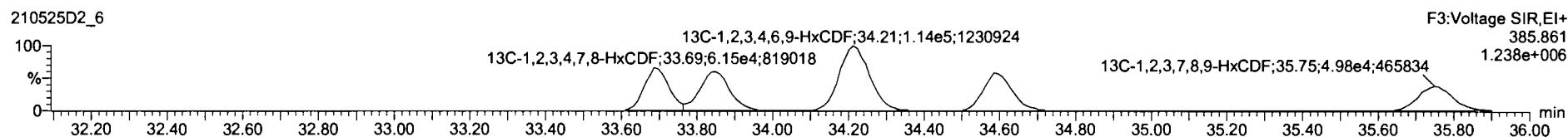
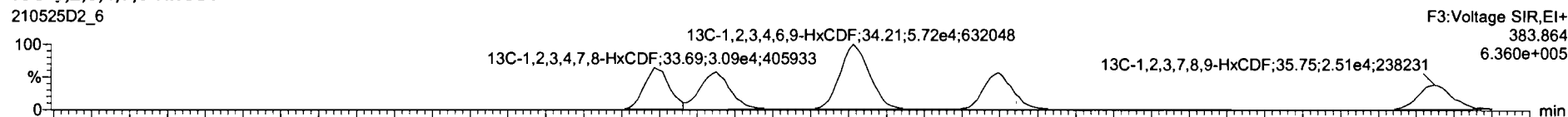
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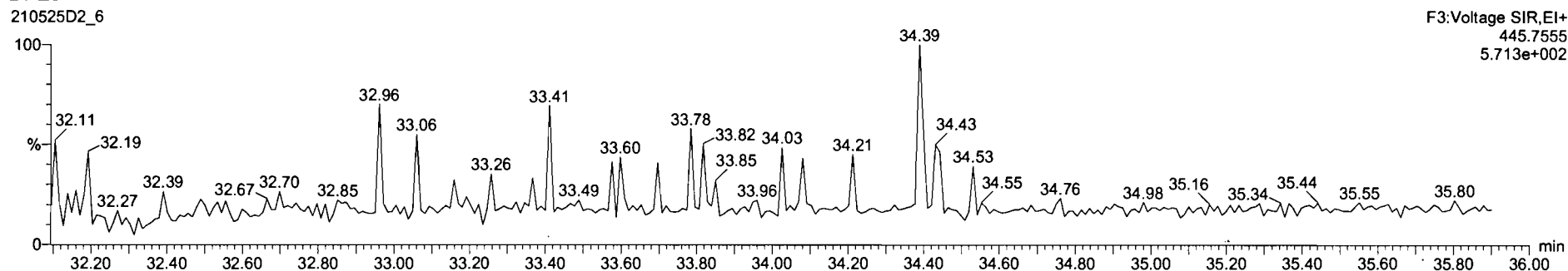
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13C-1,2,3,4,7,8-HxCDF



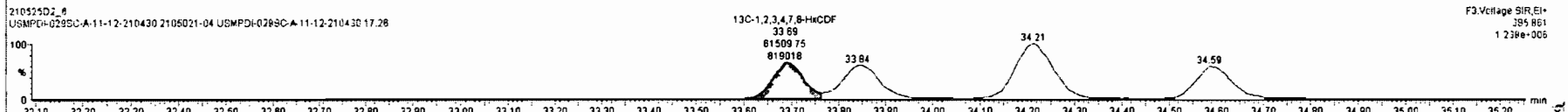
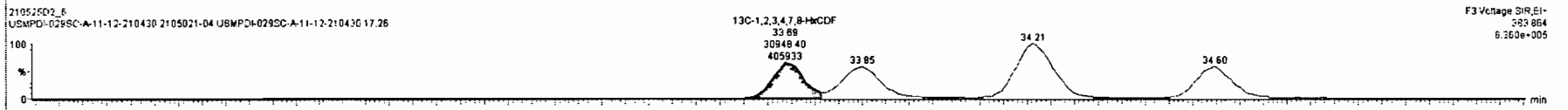
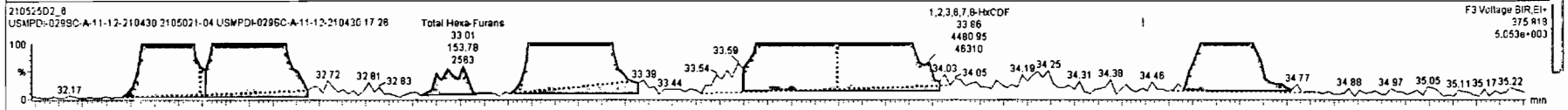
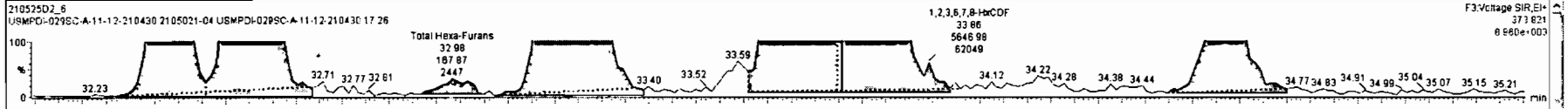
DPE3



210525D2_6 - 2105021-04 USMPDI-0299C-A-11-12-210430 17.26 - USMPDI-0299C-A-11-12-210430

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
37 13C-1,2,3,4-TCDF	2.90e5	0.79	NO	1.00	10.077	25.06	1.000	198	100	0.258	
38 13C-1,2,3,4,6,8-HxCDF	1.72e5	0.50	NO	1.00	10.077	34.21	1.000	198	100	1.32	
39 Total Tetra-Dioxins				1.05	10.077			3.67		0.280	5.29
40 Total Penta-Dioxins				0.86	10.077			8.78		0.436	12.2
41 Total Hexa-Dioxins				1.01	10.077			89.2		1.54	90.6
42 Total Hepta-Dioxins				1.07	10.077			601		6.82	601
43 Total Tetra-Furans				0.86	10.077			60.5		0.360	64.1
44 1st Func. Penta-Furans				0.95	10.077			11.6		0.0970	11.8
45 Total Penta-Furans				0.95	10.077			70.5		0.412	71.5

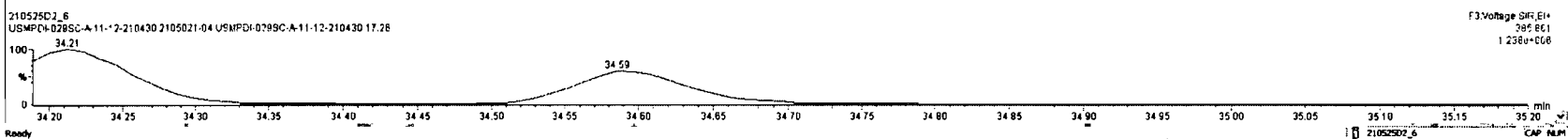
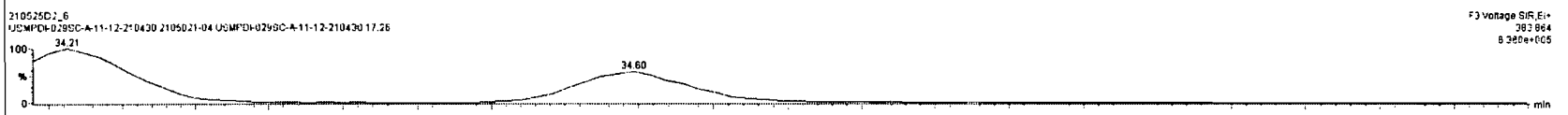
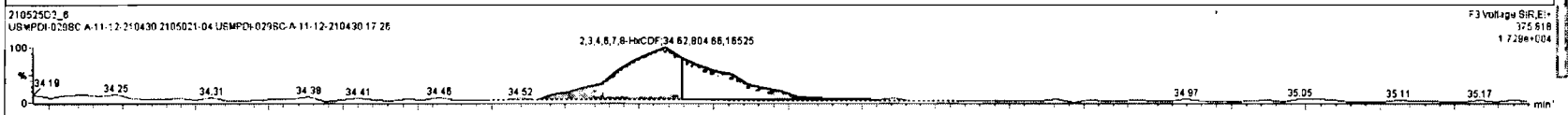
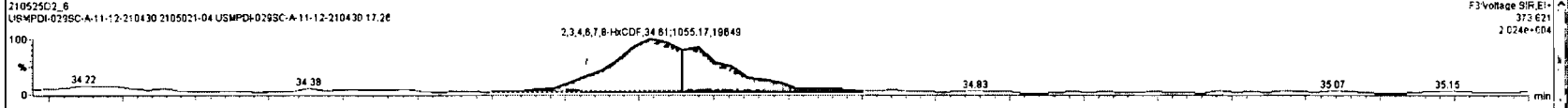
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.38	2.498e3	1.975e3	1.28	NO	8.6633	8.6633
2 Total Hexa-Furans	32.54	8.393e3	6.809e3	1.23	NO	29.504	29.504
3 Total Hexa-Furans	32.98	1.679e2	1.538e2	1.09	NO	0.62428	0.00000
4 Total Hexa-Furans	33.22	1.137e4	9.016e3	1.28	NO	39.574	39.574
5 1,2,3,4,7,8-HxCDF	33.71	1.791e4	1.371e4	1.31	NO	65.088	65.088
6 1,2,3,6,7,8-HxCDF	33.88	5.647e3	4.481e3	1.26	NO	18.080	18.080
7 2,3,4,6,7,8-HxCDF	34.61	1.752e3	1.369e3	1.29	NO	5.8316	5.8316
8 1,2,3,7,8,9-HxCDF	35.79	1.894e3	1.541e3	1.23	NO	8.2923	8.2923



21052502_6 - 2105021-04 USMPDI-029SC-A-11-12-210430 17 26 - USMPDI-029SC-A-11-12-210430

Name	Resp	RA	nly	RRF	wtWgt	RT	RRT	Conc.	%Rec	DL	EMPC
37 1,2,3,4-TCDF	7.90e5	0.79	NO	1.00	10.077	25.06	1.000	198	100	0.258	
38 1,2,3,4,6,8-HxCDF	1.72e5	0.50	NO	1.00	10.077	34.21	1.000	198	100	1.32	
39 Total Hexa-Dioxin				1.05	10.077			3.87		0.280	5.30
40 Total Hexa-Dioxin				0.88	10.077			8.78		0.438	12.2
41 Total Hexa-Dioxin				1.01	10.077			89.2		1.54	90.6
42 Total Hexa-Dioxin				1.07	10.077			601		6.82	801
43 Total Tetra-Furane				0.86	10.077			60.5		0.360	64.1
44 1st Func. Penta-Furane				0.95	10.077			11.8		0.0970	11.8
45 Total Penta-Furane				0.95	10.077			70.5		0.412	71.5

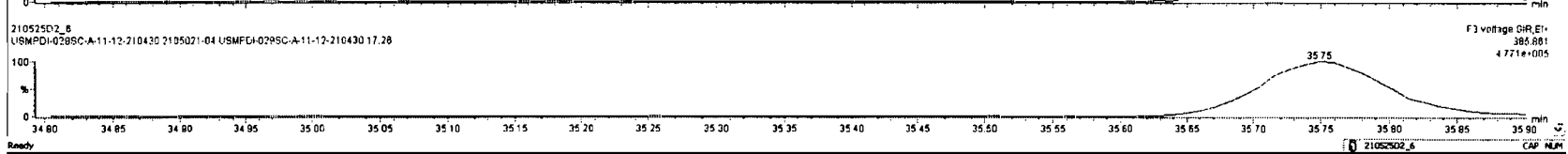
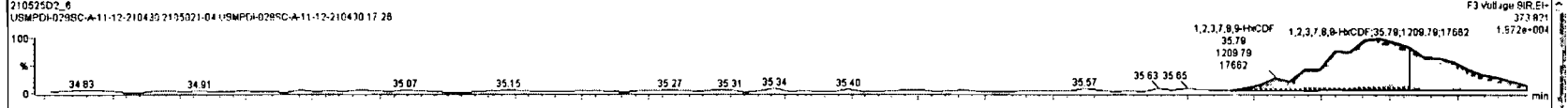
Name	RT (s)	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furane	32.36	2.488e3	1.975e3	1.26	NO	8.8633	8.8633
2 Total Hexa-Furane	32.54	8.393e3	6.809e3	1.23	NO	29.504	29.504
3 Total Hexa-Furane	32.98	1.679e2	1.538e2	1.09	NO	0.82428	0.00000
4 Total Hexa-Furane	33.22	1.137e4	9.018e3	1.26	NO	39.574	39.574
5 1,2,3,4,7,8-HxCDF	33.71	1.791e4	1.371e4	1.31	NO	65.088	65.088
6 1,2,3,6,7,8-HxCDF	33.88	5.647e3	4.481e3	1.28	NO	18.080	18.080
7 2,3,4,6,7,8-HxCDF	34.81	1.055e3	8.047e2	1.31	NO	3.4836	3.4836
8 Total Hexa-Furane	34.84	7.041e2	5.370e2	1.31	NO	2.4088	2.4088



21052502_6 - 2105021-04 USMFG4-029SC-A-11-12-210430 17.26 - USMFG4-029SC-A-11-12-210430

RT	Name	Resp	RA	RIY	RIW	WtVol	RT	RRT	Conc.	%Rec	DL	EWPC
37	1,2,3,4-TCDF	2.90e5	0.79	NO	1.00	10.077	25.06	1.000	198	100	0.250	
38	1,2,3,4,8-HxCDF	1.72e5	0.50	NO	1.00	10.077	34.21	1.000	198	100	1.32	
39	Total Tetra-Dioxin				1.05	10.077			3.67		0.280	5.28
40	Total Penta-Dioxin				0.98	10.077			8.78		0.438	12.2
41	Total Hexa-Dioxin				1.21	10.077			89.2		1.54	90.6
42	Total Hepta-Dioxin				1.07	10.077			601		6.82	601
43	Total Tetra-Furans				0.96	10.077			60.5		0.360	64.1
44	1st Func. Penta-Furans				0.95	10.077			11.6		0.9970	11.6
45	Total Penta-Furans				0.95	10.077			70.5		0.412	71.5

RT	Name	RT	Int Resp	Int Resp	RA	RIY	EWPC	Conc.
1	Total Hexa-Furans	32.38	2.488e3	1.975e3	1.26	NO	8.6633	8.6633
2	Total Hexa-Furans	32.54	8.393e3	6.809e3	1.23	NO	29.504	29.504
3	Total Hexa-Furans	32.98	1.679e2	1.539e2	1.09	NO	0.62426	0.00000
4	Total Hexa-Furans	33.22	1.137e4	8.019e3	1.26	NO	38.574	38.574
5	1,2,3,4,7,8-HxCDF	33.71	1.791e4	1.371e4	1.31	NO	85.088	85.088
6	1,2,3,7,8-HxCDF	33.86	5.647e3	4.481e3	1.28	NO	19.080	19.080
7	2,3,4,6,7,8-HxCDF	34.01	1.055e3	8.047e2	1.31	NO	3.4636	3.4636
8	Total Hexa-Furans	34.54	7.041e2	5.370e2	1.31	NO	2.4088	2.4088

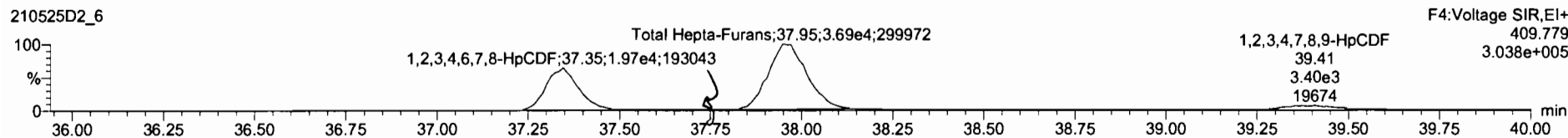
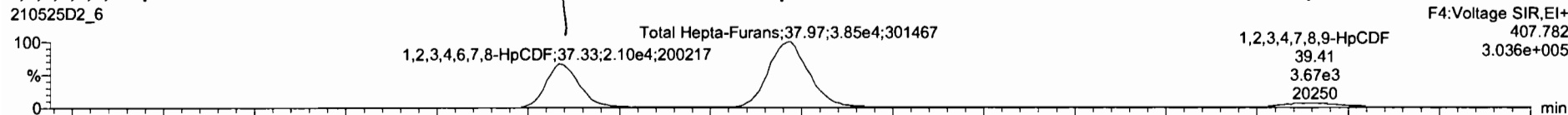


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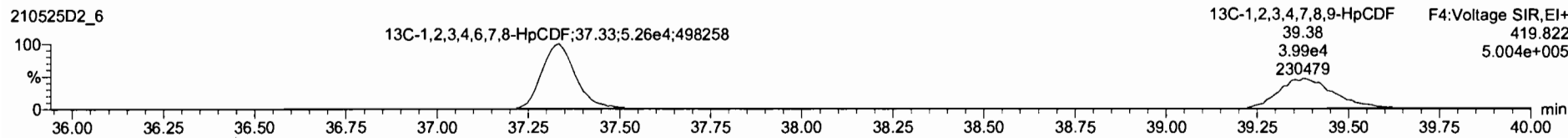
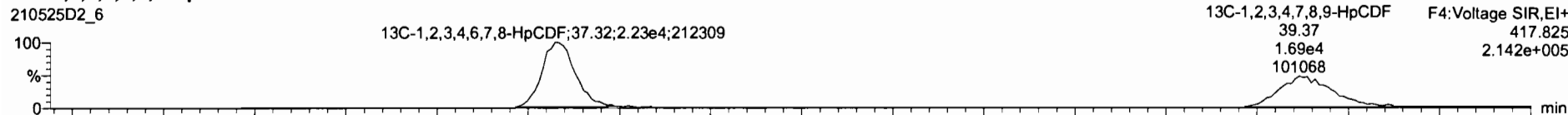
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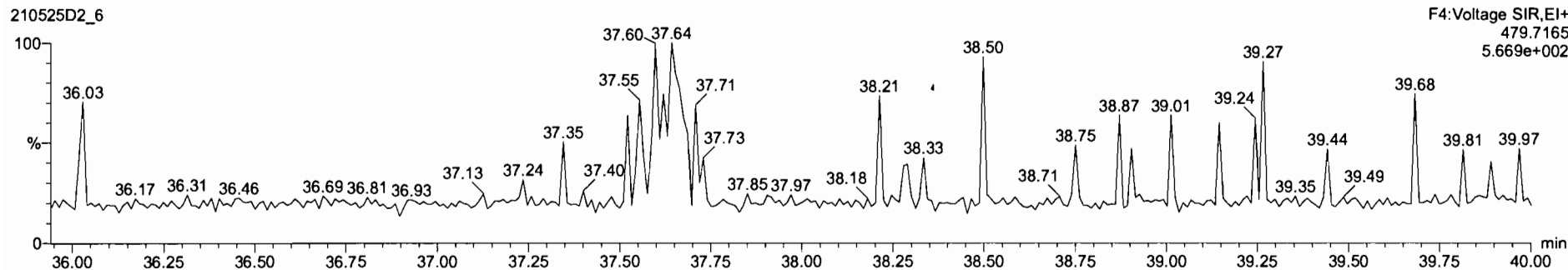
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13C-1,2,3,4,6,7,8-HpCDF



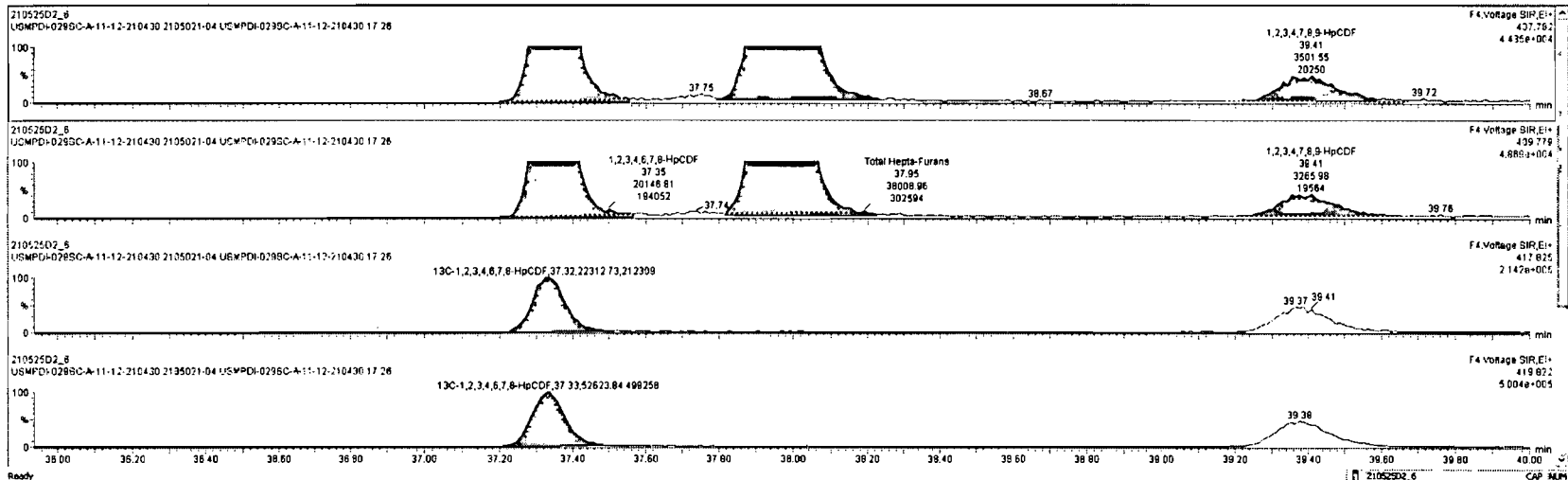
DPE4



21052502_6 - 2105021-04 USMPDI-0295C-A-11-12-210430 17.26 - USMPDI-0295C-A-11-12-210430

#	Name	Resp	RA	nly	RF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
47	Total Hepta-Furans				1.18	10.077			314		2.02	314
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											

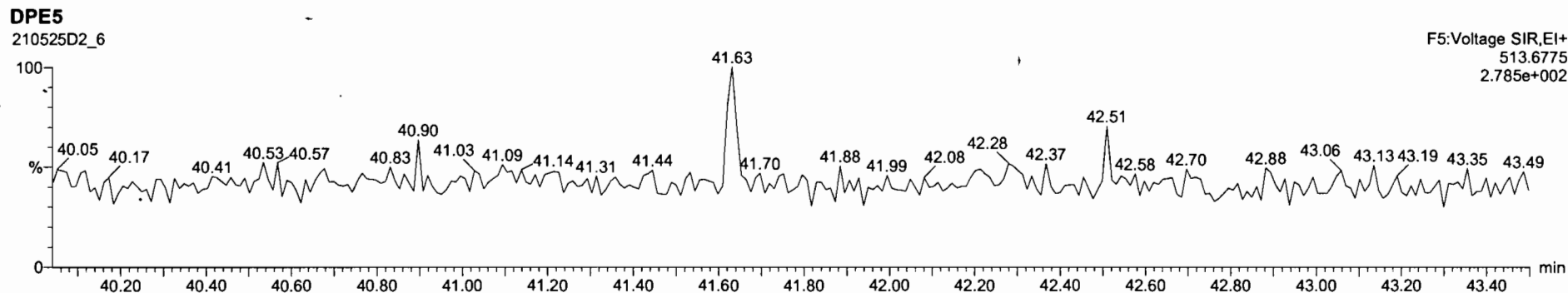
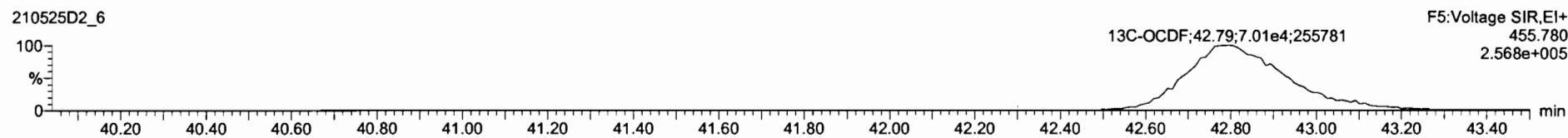
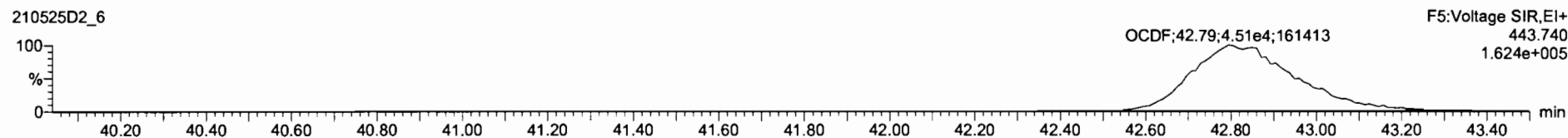
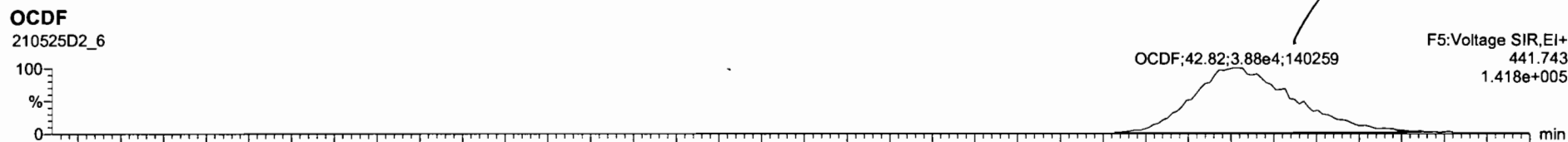
#	Name	RT	wt Resp	m2 Resp	RA	nly	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.33	2.134e4	2.015e4	1.06	NO	94.722	94.722
2	Total Hepta-Furans	37.97	3.854e4	3.801e4	1.01	NO	198.90	198.90
3	1,2,3,4,7,8,9-HpCDF	39.41	3.502e3	3.286e3	1.07	NO	19.936	19.936



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Wednesday, May 26, 2021 12:23:12 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:24:19 Pacific Daylight Time

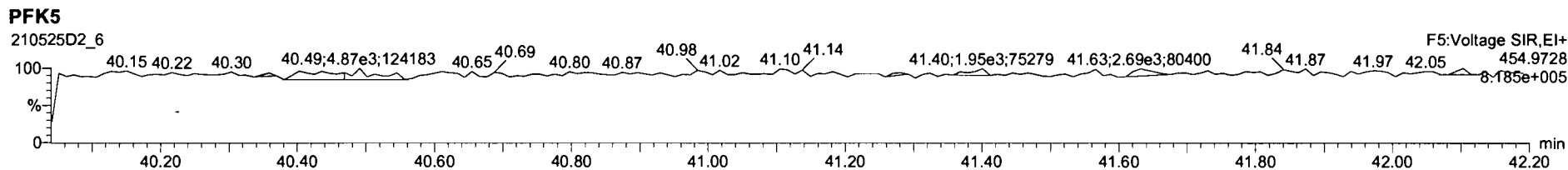
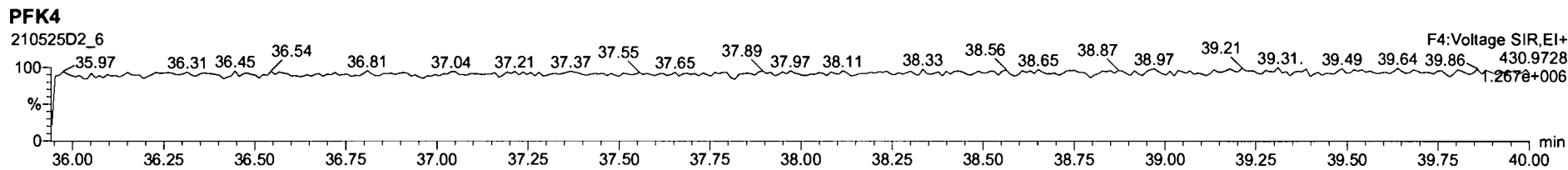
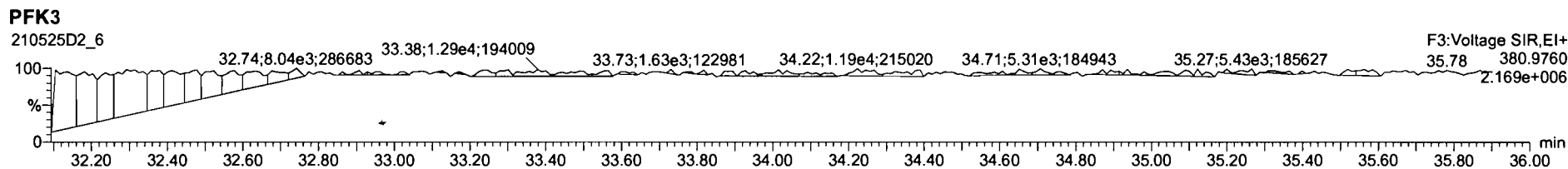
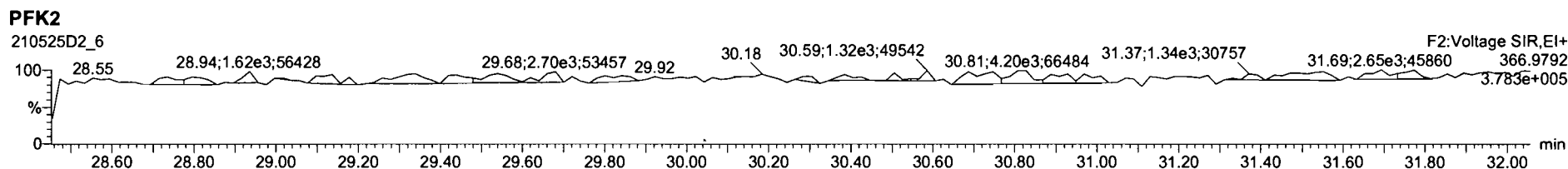
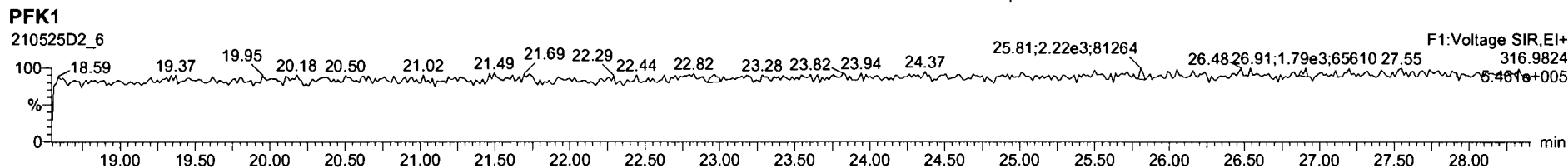
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Dataset: U:\VG7.PRO\Results\210525D2\210525D2-6.qld

Last Altered: Wednesday, May 26, 2021 12:23:12 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:24:19 Pacific Daylight Time

Name: 210525D2_6, Date: 25-May-2021, Time: 15:12:26, ID: 2105021-04 USMPDI-029SC-A-11-12-210430 17.26, Description: USMPDI-029SC-A-11-12-210430



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-7.qld

Last Altered: Monday, June 07, 2021 16:16:56 Pacific Daylight Time

Printed: Monday, June 07, 2021 16:17:14 Pacific Daylight Time

HL 6-7-21

6/07/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_5-19-21.mdb 19 May 2021 12:17:04
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430, Task: ST210525D2-1

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	1.05	10.090					0.363	
2 1,2,3,7,8-PeCDD	1.63e2	0.77	YES	0.881	10.090	31.19	1.001	0.91966		0.467	0.845
3 1,2,3,4,7,8-HxCDD			NO	1.14	10.090					1.29	
4 1,2,3,6,7,8-HxCDD	1.73e3	1.28	NO	1.01	10.090	34.86	1.000	6.1352		1.35	6.14
5 1,2,3,7,8,9-HxCDD	9.61e2	1.35	NO	1.02	10.090	35.19	1.001	2.7338		0.932	2.73
6 1,2,3,4,6,7,8-HpCDD	4.93e4	1.07	NO	1.07	10.090	38.61	1.001	152.79		2.12	153
7 OCDD	2.60e5	0.88	NO	1.00	10.090	42.46	1.000	1276.1		12.7	1280
8 2,3,7,8-TCDF	1.78e3	0.78	NO	0.864	10.090	26.37	1.001	6.3880		0.396	6.39
9 1,2,3,7,8-PeCDF	2.77e3	1.59	NO	0.948	10.090	30.00	1.000	8.9180		0.427	8.92
10 2,3,4,7,8-PeCDF	2.05e3	1.59	NO	1.04	10.090	31.01	1.001	6.8648		0.459	6.86
11 1,2,3,4,7,8-HxCDF	4.65e3	1.32	NO	1.04	10.090	33.75	1.001	12.191		0.742	12.2
12 1,2,3,6,7,8-HxCDF	1.50e3	1.21	NO	1.07	10.090	33.89	1.000	3.0025		0.703	3.00
13 2,3,4,6,7,8-HxCDF	8.12e2	1.23	NO	1.12	10.090	34.64	1.001	1.6491		0.661	1.65
14 1,2,3,7,8,9-HxCDF	5.31e2	1.07	NO	1.10	10.090	35.73	1.002	1.3420		0.907	1.34
15 1,2,3,4,6,7,8-HpCDF	1.19e4	1.02	NO	1.16	10.090	37.37	1.001	28.819		0.576	28.8
16 1,2,3,4,7,8,9-HpCDF	7.53e2	1.22	YES	1.19	10.090	39.29	1.000	2.1528		0.837	1.98
17 OCDF	1.02e4	0.89	NO	0.909	10.090	42.79	1.001	36.636		2.86	36.6
18 13C-2,3,7,8-TCDD	3.68e4	0.77	NO	1.15	10.090	26.95	1.025	46.926	23.7	0.228	
19 13C-1,2,3,7,8-PeCDD	3.99e4	0.64	NO	0.887	10.090	31.17	1.185	65.734	33.2	0.229	
20 13C-1,2,3,4,7,8-HxCDD	4.05e4	1.27	NO	0.645	10.090	34.73	1.015	76.569	38.6	0.809	
21 13C-1,2,3,6,7,8-HxCDD	5.54e4	1.38	NO	0.717	10.090	34.87	1.019	94.288	47.6	0.728	
22 13C-1,2,3,7,8,9-HxCDD	6.83e4	1.29	NO	0.714	10.090	35.17	1.028	116.65	58.9	0.731	
23 13C-1,2,3,4,6,7,8-HpCDD	6.00e4	1.08	NO	0.583	10.090	38.59	1.128	125.46	63.3	1.18	
24 13C-OCDD	8.06e4	0.90	NO	0.451	10.090	42.47	1.241	217.69	54.9	2.68	
25 13C-2,3,7,8-TCDF	6.41e4	0.76	NO	1.09	10.090	26.36	1.002	42.056	21.2	0.268	
26 13C-1,2,3,7,8-PeCDF	6.50e4	1.61	NO	0.805	10.090	30.00	1.141	57.770	29.1	0.443	
27 13C-2,3,4,7,8-PeCDF	5.69e4	1.68	NO	0.792	10.090	30.99	1.179	51.462	26.0	0.450	
28 13C-1,2,3,4,7,8-HxCDF	7.25e4	0.50	NO	0.997	10.090	33.73	0.986	88.620	44.7	0.642	
29 13C-1,2,3,6,7,8-HxCDF	9.23e4	0.50	NO	1.03	10.090	33.89	0.991	109.45	55.2	0.623	
30 13C-2,3,4,6,7,8-HxCDF	8.74e4	0.49	NO	0.940	10.090	34.61	1.012	113.33	57.2	0.681	

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-7.qld

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Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	7.14e4	0.50	NO	0.852	10.090	35.67	1.043	102.11	51.5	0.751	
32	13C-1,2,3,4,6,7,8-HpCDF	7.05e4	0.43	NO	0.727	10.090	37.33	1.091	118.30	59.7	1.19	
33	13C-1,2,3,4,7,8,9-HpCDF	5.84e4	0.43	NO	0.608	10.090	39.29	1.148	117.21	59.1	1.42	
34	13C-OCDF	1.21e5	0.86	NO	0.631	10.090	42.74	1.249	234.22	59.1	1.68	
35	37Cl-2,3,7,8-TCDD	3.43e4			2.22	10.090	26.97	1.026	22.600	28.5	0.0468	
36	13C-1,2,3,4-TCDD	1.36e5	0.81	NO	1.00	10.090	26.30	1.000	198.21	100	0.261	
37	13C-1,2,3,4-TCDF	2.77e5	0.77	NO	1.00	10.090	25.04	1.000	198.21	100	0.292	
38	13C-1,2,3,4,6,9-HxCDF	1.63e5	0.49	NO	1.00	10.090	34.21	1.000	198.21	100	0.640	
39	Total Tetra-Dioxins				1.05	10.090			1.4530		0.363	2.27
40	Total Penta-Dioxins				0.881	10.090			2.2613		0.784	5.45
41	Total Hexa-Dioxins				1.01	10.090			44.856		1.21	45.6
42	Total Hepta-Dioxins				1.07	10.090			342.77		2.12	343
43	Total Tetra-Furans				0.864	10.090			25.497		0.396	31.5
44	1st Func. Penta-Furans				0.948	10.090			9.5677		0.149	9.57
45	Total Penta-Furans				0.948	10.090			29.754		0.462	32.7
46	Total Hexa-Furans				1.12	10.090			66.000		0.723	66.0
47	Total Hepta-Furans				1.16	10.090			86.787		0.702	88.8

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-7.qld

Last Altered: Monday, June 07, 2021 16:16:56 Pacific Daylight Time

Printed: Monday, June 07, 2021 16:17:14 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_5-19-21.mdb 19 May 2021 12:17:04
 Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430,
 Task: ST210525D2-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	23.82	1.170e3	1.987e3	8.188e1	1.215e2	0.67	NO	2.034e2	1.0454	1.0454	0.363
2	Total Tetra-Dioxins	24.09	8.820e2	5.490e2	3.919e1	2.775e1	1.41	YES	0.000e0	0.00000	0.25246	0.363
3	Total Tetra-Dioxins	25.38	6.600e2	7.760e2	3.701e1	4.229e1	0.88	NO	7.930e1	0.40757	0.40757	0.203
4	Total Tetra-Dioxins	25.56	8.840e2	5.490e2	3.489e1	3.011e1	1.16	YES	0.000e0	0.00000	0.27391	0.363
5	Total Tetra-Dioxins	26.74	8.280e2	6.760e2	3.122e1	3.233e1	0.97	YES	0.000e0	0.00000	0.29413	0.363

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.10	1.423e3	1.697e3	1.050e2	1.449e2	0.72	YES	0.000e0	0.00000	1.3305	0.784
2	Total Penta-Dioxins	29.52	6.240e2	7.080e2	2.765e1	4.422e1	0.63	NO	7.186e1	0.40485	0.40485	0.784
3	Total Penta-Dioxins	30.00	1.390e3	1.811e3	6.216e1	8.619e1	0.72	NO	1.483e2	0.83576	0.83576	0.467
4	Total Penta-Dioxins	30.16	1.265e3	1.239e3	8.174e1	1.104e2	0.74	YES	0.000e0	0.00000	1.0142	0.467
5	Total Penta-Dioxins	30.45	6.740e2	1.150e3	5.417e1	8.880e1	0.61	NO	1.430e2	0.80542	0.80542	0.784
6	Total Penta-Dioxins	30.71	4.790e2	6.410e2	1.494e1	2.327e1	0.64	NO	3.821e1	0.21525	0.21525	0.784
7	1,2,3,7,8-PeCDD	31.19	1.319e3	1.361e3	7.123e1	9.205e1	0.77	YES	1.633e2	0.00000	0.84528	0.467

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.95	2.798e4	2.256e4	2.563e3	2.016e3	1.27	NO	4.579e3	16.400	16.400	1.21
2	Total Hexa-Dioxins	33.59	3.399e3	3.268e3	2.885e2	2.232e2	1.29	NO	5.118e2	1.8329	1.8329	1.21
3	Total Hexa-Dioxins	33.94	2.219e4	1.870e4	2.746e3	2.211e3	1.24	NO	4.957e3	17.754	17.754	1.21
4	1,2,3,6,7,8-HxCDD	34.86	7.655e3	7.203e3	9.727e2	7.611e2	1.28	NO	1.734e3	6.1352	6.1352	1.35
5	Total Hexa-Dioxins	35.07	2.452e3	1.325e3	1.633e2	8.946e1	1.83	YES	0.000e0	0.00000	0.71772	1.21
6	1,2,3,7,8,9-HxCDD	35.19	4.997e3	3.958e3	5.510e2	4.095e2	1.35	NO	9.605e2	2.7338	2.7338	0.932

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-7.qld

Last Altered: Monday, June 07, 2021 16:16:56 Pacific Daylight Time
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Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430,
 Task: ST210525D2-1

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.62	2.882e5	2.655e5	3.170e4	2.956e4	1.07	NO	6.127e4	189.97	189.97	2.12
2 1,2,3,4,6,7,8-HpCDD	38.61	2.048e5	1.916e5	2.549e4	2.379e4	1.07	NO	4.927e4	152.79	152.79	2.12

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	23.11	4.383e3	4.999e3	3.291e2	3.701e2	0.89	YES	0.000e0	0.00000	2.3454	0.396
2 Total Tetra-Furans	23.83	4.284e3	7.211e3	3.729e2	4.248e2	0.88	NO	7.977e2	2.8559	2.8559	0.396
3 Total Tetra-Furans	24.22	4.899e3	3.712e3	2.256e2	2.684e2	0.84	NO	4.940e2	1.7685	1.7685	0.396
4 Total Tetra-Furans	24.49	8.470e2	1.505e3	6.151e1	8.039e1	0.77	NO	1.419e2	0.50802	0.50802	0.396
5 Total Tetra-Furans	24.93	1.006e3	9.120e2	4.504e1	4.640e1	0.97	YES	0.000e0	0.00000	0.29401	0.396
6 Total Tetra-Furans	25.12	4.148e3	6.309e3	4.169e2	5.410e2	0.77	NO	9.579e2	3.4296	3.4296	0.396
7 Total Tetra-Furans	25.35	2.748e3	2.972e3	1.381e2	2.067e2	0.67	NO	3.448e2	1.2345	1.2345	0.396
8 Total Tetra-Furans	25.52	1.351e4	1.608e4	8.212e2	1.007e3	0.82	NO	1.828e3	6.5439	6.5439	0.396
9 Total Tetra-Furans	25.81	1.209e3	1.573e3	6.097e1	5.965e1	1.02	YES	0.000e0	0.00000	0.37797	0.396
10 Total Tetra-Furans	26.26	3.824e3	4.583e3	2.036e2	2.649e2	0.77	NO	4.686e2	1.6776	1.6776	0.396
11 2,3,7,8-TCDF	26.37	1.366e4	1.788e4	7.836e2	1.001e3	0.78	NO	1.784e3	6.3880	6.3880	0.396
12 Total Tetra-Furans	26.65	1.491e3	2.573e3	4.320e1	7.693e1	0.56	YES	0.000e0	0.00000	0.35548	0.396
13 Total Tetra-Furans	27.36	3.307e3	3.380e3	1.395e2	1.654e2	0.84	NO	3.048e2	1.0914	1.0914	0.396
14 Total Tetra-Furans	27.50	3.786e3	5.979e3	2.066e2	3.318e2	0.62	YES	0.000e0	0.00000	1.7002	0.396
15 Total Tetra-Furans	27.67	1.589e3	1.182e3	7.309e1	6.851e1	1.07	YES	0.000e0	0.00000	0.43412	0.396
16 Total Tetra-Furans	28.02	1.629e3	1.734e3	5.869e1	9.913e1	0.59	YES	0.000e0	0.00000	0.48301	0.396

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	27.66	2.846e4	1.814e4	1.686e3	1.105e3	1.53	NO	2.790e3	9.5677	9.5677	0.149

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-7.qld

Last Altered: Monday, June 07, 2021 16:16:56 Pacific Daylight Time
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Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430, Task: ST210525D2-1

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	28.96	1.612e3	9.970e2	1.025e2	6.677e1	1.53	NO	1.692e2	0.58023	0.58023	0.462
2	Total Penta-Furans	29.12	2.181e4	1.415e4	1.503e3	8.946e2	1.68	NO	2.398e3	8.2216	8.2216	0.462
3	Total Penta-Furans	29.66	5.174e3	4.491e3	3.562e2	2.882e2	1.24	YES	0.000e0	0.00000	2.0091	0.462
4	Total Penta-Furans	29.82	3.864e3	2.884e3	1.653e2	1.391e2	1.19	YES	0.000e0	0.00000	0.93245	0.462
5	1,2,3,7,8-PeCDF	30.00	2.764e4	1.890e4	1.701e3	1.071e3	1.59	NO	2.772e3	8.9180	8.9180	0.427
6	Total Penta-Furans	30.16	3.236e3	2.276e3	1.938e2	1.235e2	1.57	NO	3.172e2	1.0877	1.0877	0.462
7	Total Penta-Furans	30.24	1.103e4	8.038e3	6.788e2	3.904e2	1.74	NO	1.069e3	3.6657	3.6657	0.462
8	Total Penta-Furans	30.83	1.732e3	6.790e2	7.582e1	4.545e1	1.67	NO	1.213e2	0.41579	0.41579	0.462
9	2,3,4,7,8-PeCDF	31.01	2.091e4	1.145e4	1.258e3	7.890e2	1.59	NO	2.047e3	6.8648	6.8648	0.459

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.38	1.932e4	1.618e4	1.518e3	1.227e3	1.24	NO	2.745e3	6.0217	6.0217	0.723
2	Total Hexa-Furans	32.54	4.948e4	4.087e4	4.204e3	3.191e3	1.32	NO	7.395e3	16.221	16.221	0.723
3	Total Hexa-Furans	33.25	7.081e4	6.023e4	6.357e3	5.048e3	1.26	NO	1.140e4	25.016	25.016	0.723
4	1,2,3,4,7,8-HxCDF	33.75	2.828e4	2.212e4	2.649e3	2.002e3	1.32	NO	4.651e3	12.191	12.191	0.742
5	1,2,3,6,7,8-HxCDF	33.89	8.230e3	7.294e3	8.228e2	6.796e2	1.21	NO	1.502e3	3.0025	3.0025	0.703
6	2,3,4,6,7,8-HxCDF	34.64	5.529e3	4.247e3	4.481e2	3.638e2	1.23	NO	8.119e2	1.6491	1.6491	0.661
7	1,2,3,7,8,9-HxCDF	35.73	4.454e3	3.883e3	2.740e2	2.570e2	1.07	NO	5.310e2	1.3420	1.3420	0.907
8	Total Hexa-Furans	35.78	2.755e3	2.848e3	1.355e2	1.179e2	1.15	NO	2.534e2	0.55582	0.55582	0.723

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	37.37	5.038e4	5.339e4	6.017e3	5.878e3	1.02	NO	1.190e4	28.819	28.819	0.576
2	Total Hepta-Furans	37.91	8.719e4	8.646e4	1.128e4	1.060e4	1.06	NO	2.188e4	57.968	57.968	0.702
3	1,2,3,4,7,8,9-HpCDF	39.29	3.520e3	3.422e3	4.145e2	3.390e2	1.22	YES	7.534e2	0.00000	1.9757	0.834

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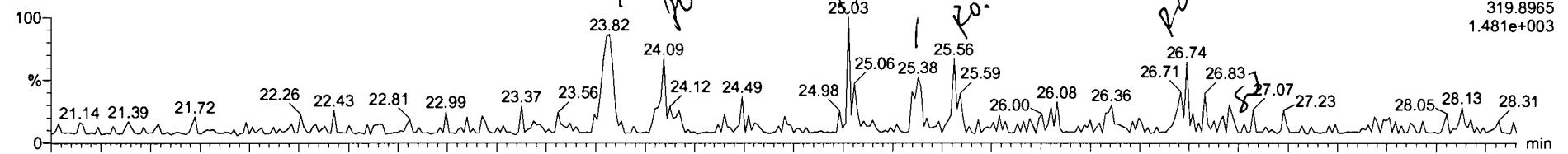
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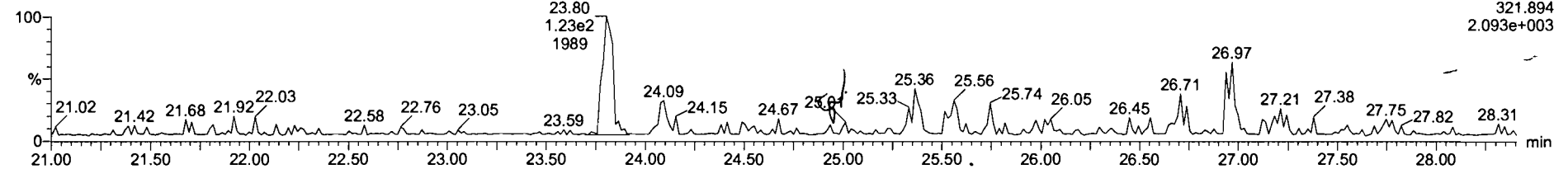
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2,3,7,8-TCDD

210525D2_7

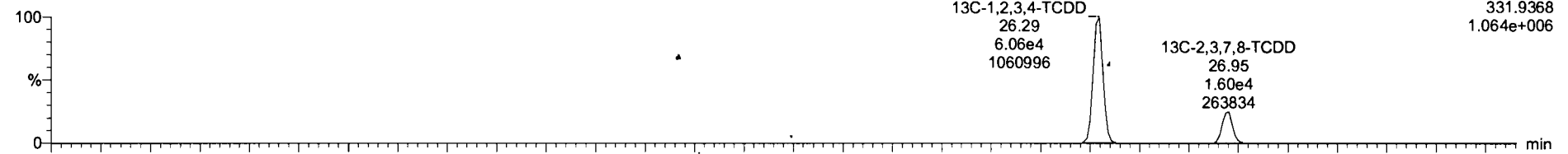


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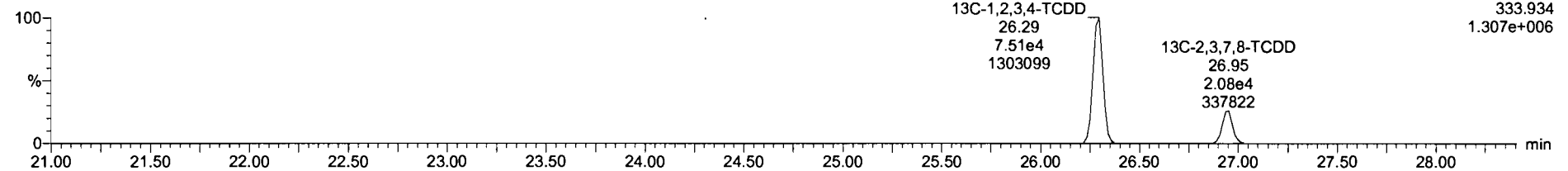


13C-2,3,7,8-TCDD

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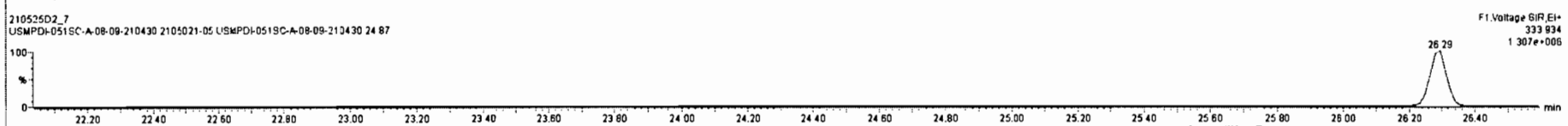
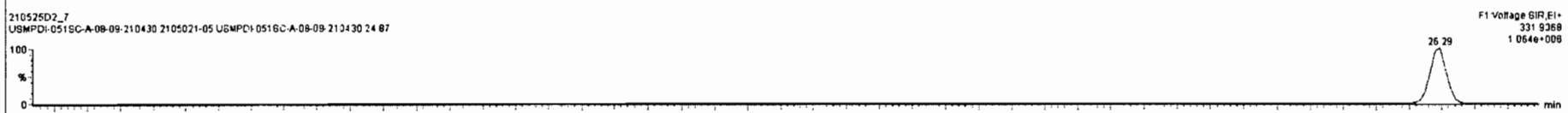
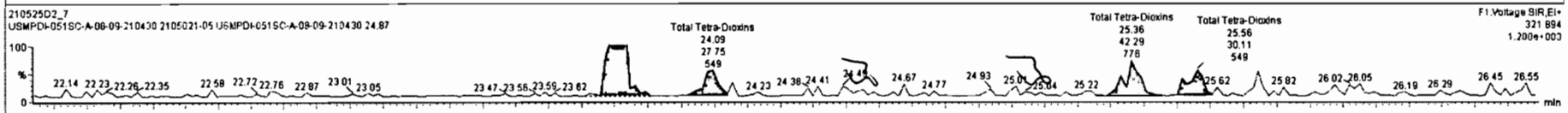
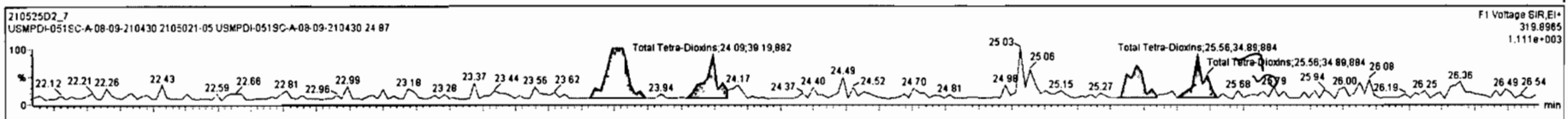
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210525D2_7 - 2105021-05 USMPDI-051SC-A-08-09-210430 24 87 - USMPDI-051SC-A-08-09-210430

Name	Resp	RA	n/y	RPF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	7.05e4	0.43	NO	0.73	10.090	37.33	1.091	118	59.7	1.19
33	13C-1,2,3,4,7,8,9-HpCDF	5.84e4	0.43	NO	0.61	10.090	39.29	1.148	117	59.1	1.42
34	13C-OCDF	1.21e5	0.86	NO	0.63	10.090	42.74	1.249	234	59.1	1.66
35	37Cl-2,3,7,8-TCDD	3.43e4			2.22	10.090	26.97	1.026	22.6	26.5	0.0466
36	13C-1,2,3,4-TCDD	1.36e5	0.81	NO	1.00	10.090	26.30	1.000	198	100	0.261
37	13C-1,2,3,4-TCDF	2.77e5	0.77	NO	1.00	10.090	25.04	1.000	198	100	0.292
38	13C-1,2,3,4,6,8-HxCDF	1.63e5	0.49	NO	1.00	10.090	34.21	1.000	198	100	0.640
39	Total Tetra-Dioxins				1.05	10.090			1.45		0.383
40	Total Penta-Dioxins				0.88	10.090					0.467

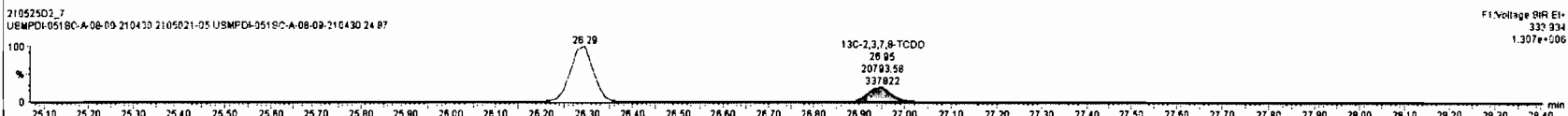
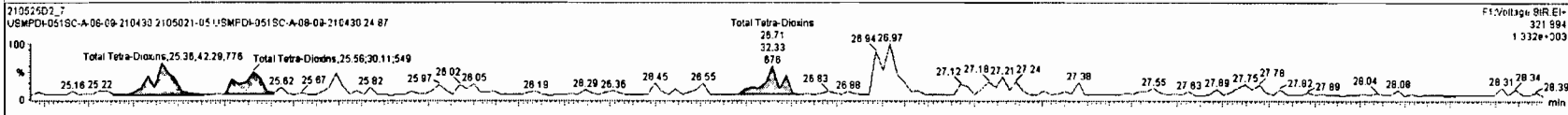
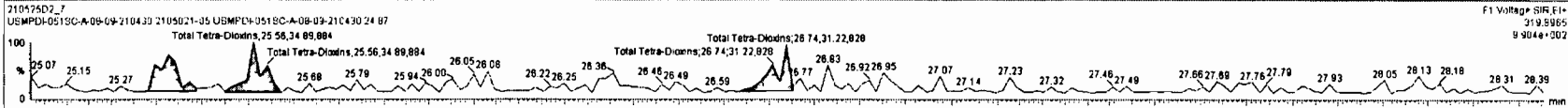
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	23.82	8.188e1	1.215e2	0.67	NO	1.0454
2	Total Tetra-Dioxins	24.09	3.919e1	2.775e1	1.41	YES	0.25246
3	Total Tetra-Dioxins	25.36	3.707e1	4.229e1	0.88	NO	0.40757
4	Total Tetra-Dioxins	25.56	3.489e1	3.011e1	1.16	YES	0.27391



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Name	Resp	RA	n/y	RPF	wtAvt	RT	RRT	Conc.	%Rec	DL	EMPC
13C-1,2,3,7,8,9-HxCDD	6.83e4	1.29	NO	0.71	10.090	35.17	1.026	117	58.9	0.731	
13C-1,2,3,4,6,7,8-HpCDD	6.00e4	1.06	NO	0.50	10.090	36.59	1.126	125	63.3	1.18	
13C-OCDD	8.09e4	0.90	NO	0.45	10.090	42.47	1.241	216	54.9	2.86	
13C-2,3,7,8-TCDF	8.41e4	0.75	NO	1.09	10.090	26.36	1.022	42.1	21.2	0.288	
13C-1,2,3,7,8-PeCDF	8.50e4	1.81	NO	0.80	10.090	30.00	1.141	57.8	29.1	0.443	
13C-2,3,4,7,8-PeCDF	5.89e4	1.68	NO	0.79	10.090	30.99	1.179	51.5	26.0	0.450	
13C-1,2,3,4,7,8-HxCDF	7.25e4	0.50	NO	1.00	10.090	33.73	0.986	86.6	44.7	0.542	
13C-1,2,3,6,7,8-HxCDF	9.23e4	0.50	NO	1.03	10.090	33.89	0.991	109	55.2	0.623	
13C-2,3,4,6,7,8-HxCDF	8.74e4	0.49	NO	0.94	10.090	34.61	1.012	113	57.2	0.681	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	23.82	6.180e1	1.215e2	0.67	NO	1.0454	1.0454
2 Total Tetra-Dioxins	24.09	3.919e1	2.775e1	1.41	YES	0.25248	0.00000
3 Total Tetra-Dioxins	25.38	3.701e1	4.229e1	0.86	NO	0.40757	0.40757
4 Total Tetra-Dioxins	25.56	3.489e1	3.011e1	1.16	YES	0.27391	0.00000
5 Total Tetra-Dioxins	26.74	3.122e1	3.233e1	0.97	YES	0.29413	0.00000



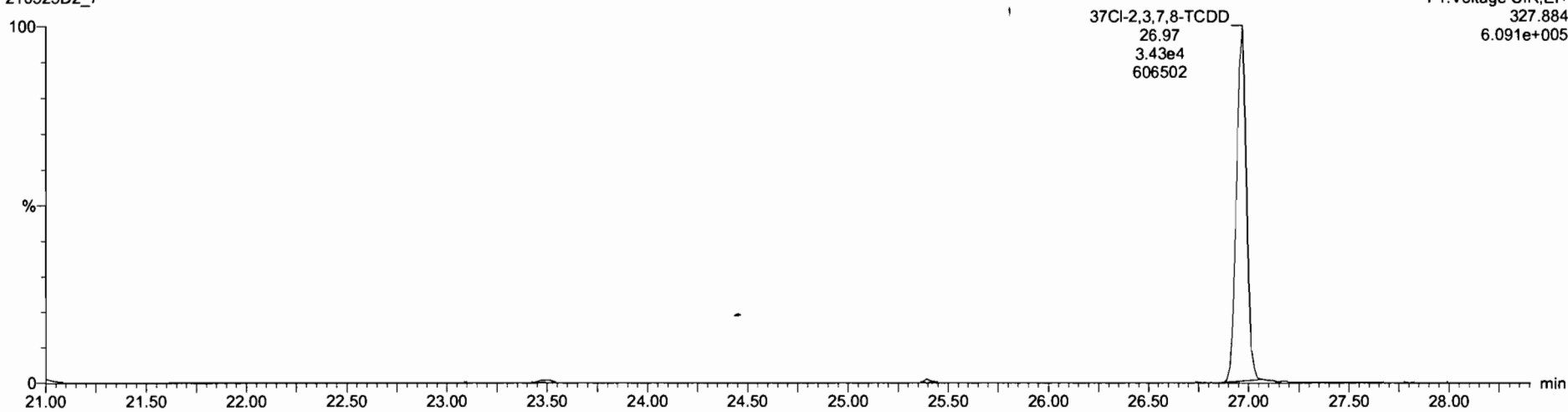
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37Cl-2,3,7,8-TCDD

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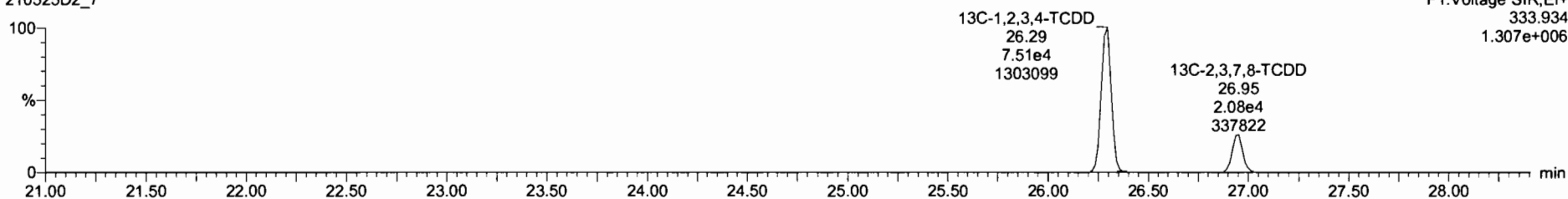


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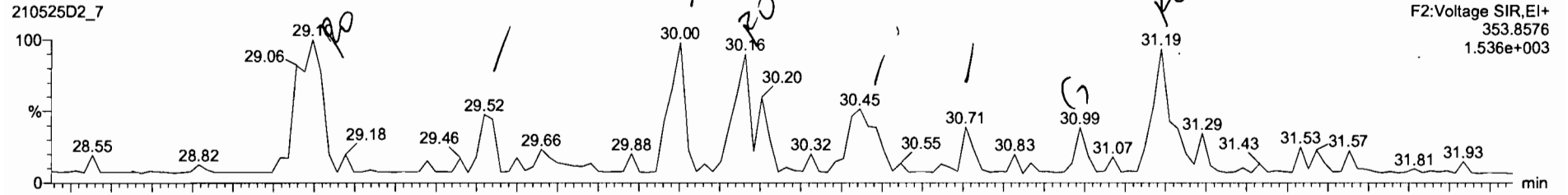


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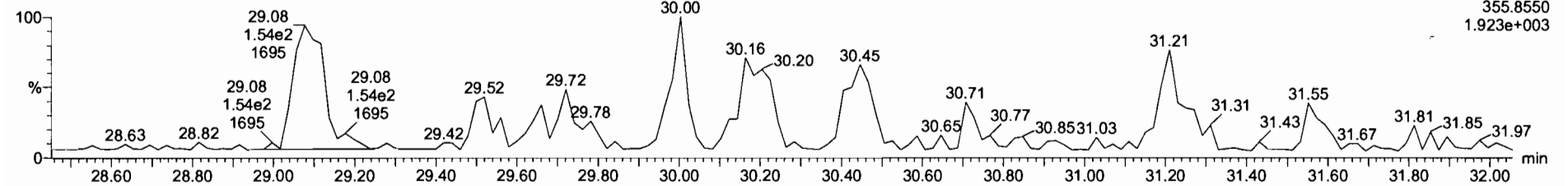
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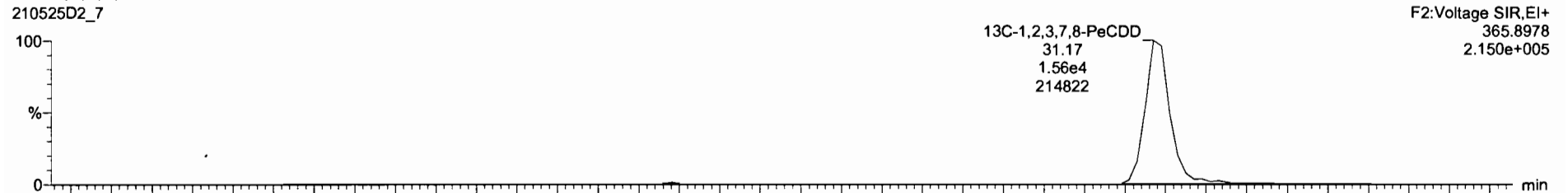
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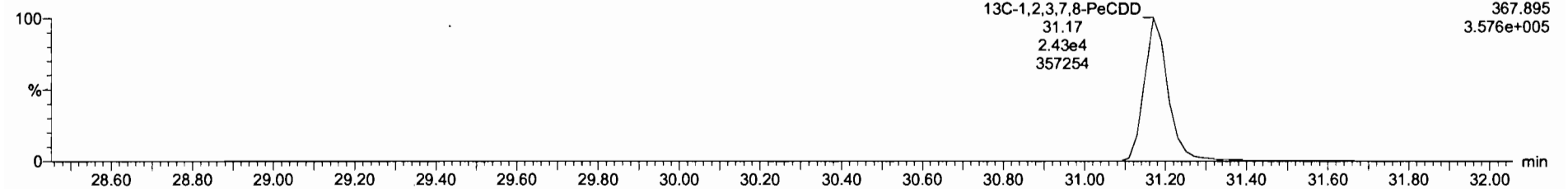
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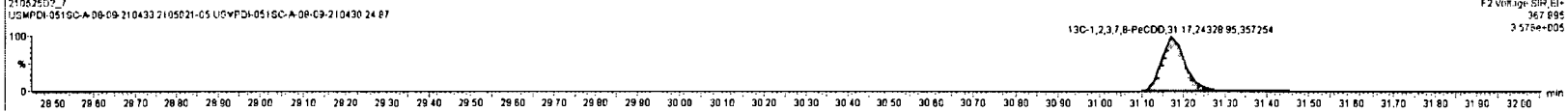
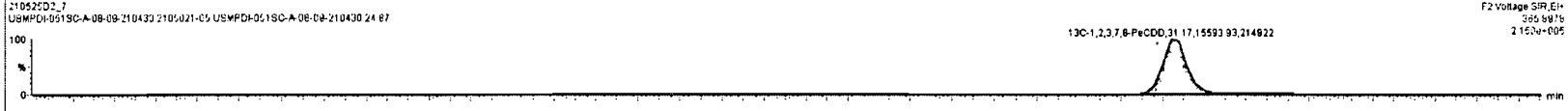
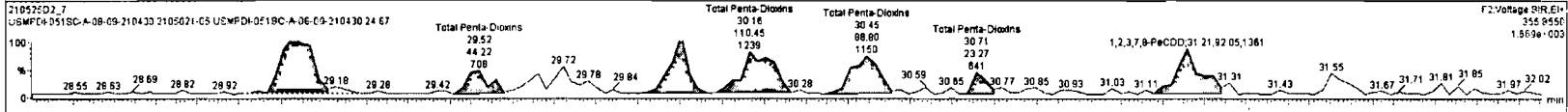
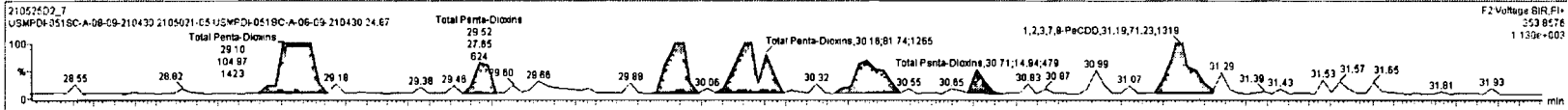


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Name	Resp	RA	RV	RF	WtFac	RT	RRT	Conc.	%Rec	CL	EMPC
24	13C-OCDD	8.09e4	0.90	NO	0.45	10.090	42.47	1.241	210	54.9	2.88
25	13C-2,3,7,8-TCDF	6.41e4	0.76	NO	1.09	10.090	26.36	1.002	42.1	21.2	0.268
26	13C-1,2,3,7,8-PeCDF	6.50e4	1.61	NO	0.80	10.090	30.00	1.141	57.6	29.1	0.443
27	13C-2,3,4,7,8-PeCDF	5.89e4	1.68	NO	0.79	10.090	30.98	1.179	51.5	26.0	0.450
28	13C-1,2,3,4,7,8-HxCDF	7.25e4	0.50	NO	1.00	10.090	33.73	0.986	88.6	44.7	0.642
29	13C-1,2,3,6,7,8-HxCDF	8.23e4	0.50	NO	1.03	10.090	33.89	0.991	108	55.2	0.823
30	13C-2,3,4,6,7,8-HxCDF	8.74e4	0.49	NO	0.94	10.090	34.81	1.012	113	57.2	0.881
31	13C-1,2,3,7,8-PeCDD	7.14e4	0.50	NO	0.85	10.090	35.67	1.043	102	51.5	0.751
32	13C-1,2,3,4,6,7,8-HxCDF	7.05e4	0.43	NO	0.73	10.090	37.33	1.091	118	58.7	1.18

Name	RT	wt Resp	m2 Resp	RA	RV	EMPC	Conc.
1	Total Penta-Dioxins	29.10	1.850e2	1.449e2	0.72	YES	1.3305
2	Total Penta-Dioxins	29.52	2.785e1	4.422e1	0.63	NO	0.40485
3	Total Penta-Dioxins	30.00	8.215e1	8.819e1	0.72	NO	0.83378
4	Total Penta-Dioxins	30.16	8.174e1	1.104e2	0.74	YES	1.0142
5	Total Penta-Dioxins	30.45	5.417e1	8.800e1	0.61	NO	0.80542
6	Total Penta-Dioxins	30.71	1.494e1	2.327e1	0.64	NO	0.21525
7	1,2,3,7,8-PeCDD	31.19	7.123e1	9.205e1	0.77	YES	0.84528



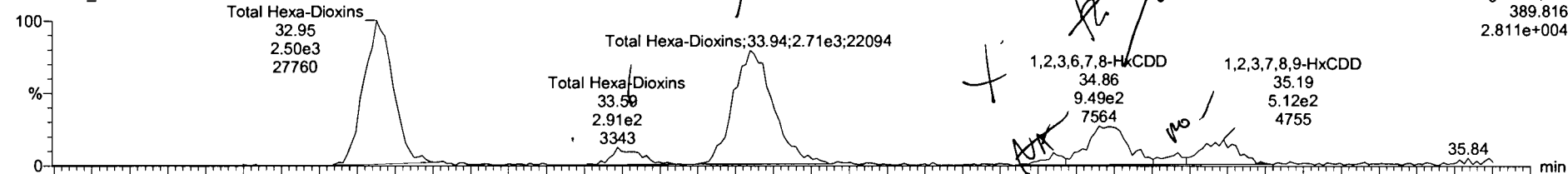
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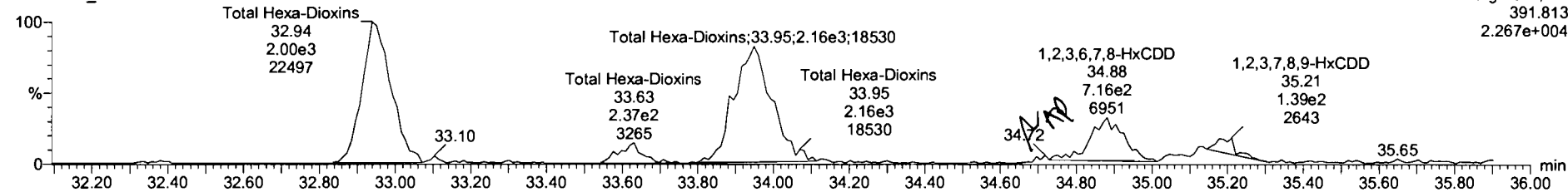
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1,2,3,4,7,8-HxCDD

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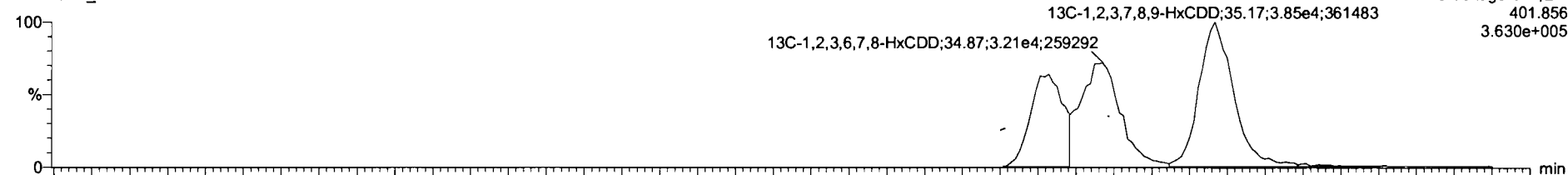


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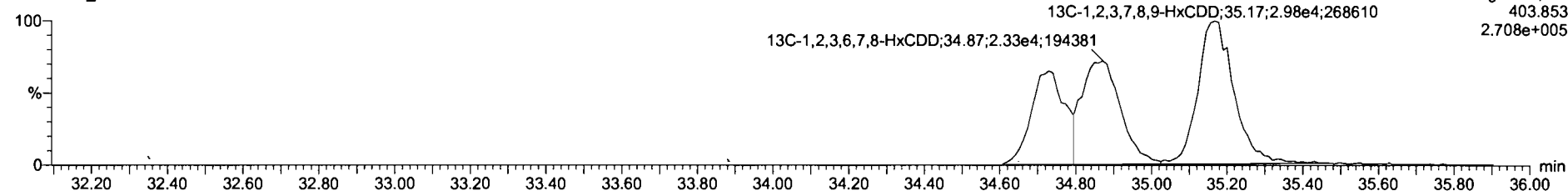


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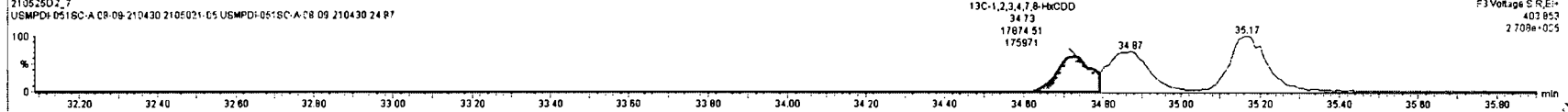
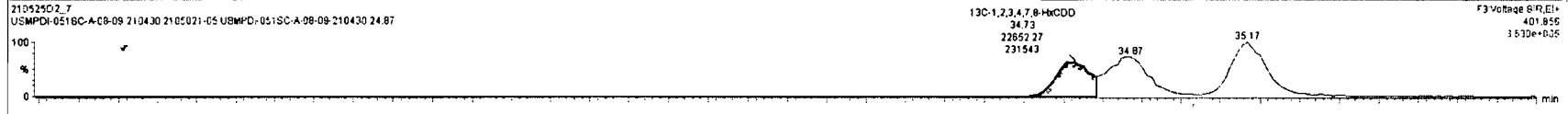
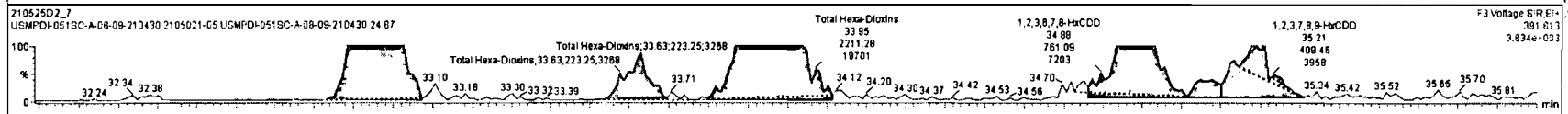
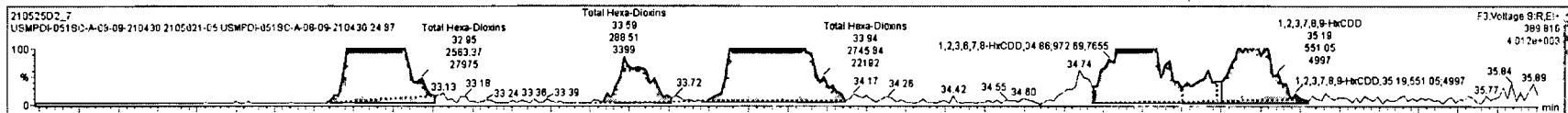
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Name	Reep	RA	RV	RF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	10.090			44.9		1.21	45.8
42 Total Hepta-Dioxins				1.07	10.090			343		2.12	343
43 Total Tetra-Furans				0.86	10.090			21.7		0.396	28.4
44 1st Func. Penta-Furans				0.95	10.090			9.57		0.149	9.57
45 Total Penta-Furans				0.95	10.090			27.9		0.462	30.8
46 Total Hexa-Furans				1.12	10.090			61.5		0.723	64.3
47 Total Hepta-Furans				1.16	10.090			84.5		0.702	85.2
48 PF1											
49 PF2											

Name	RT	ref Ret	std Resp	RA	RV	EMPC	Conc.
1 Total Hexa-Dioxins	32.95	2.563e3	2.016e3	1.27	NO	18.400	18.400
2 Total Hexa-Dioxins	33.59	2.865e2	2.220e2	1.29	NO	1.8328	1.8328
3 Total Hexa-Dioxins	33.94	2.746e3	2.211e3	1.24	NO	17.754	17.754
4 1,2,3,6,7,8-HxCDD	34.86	8.727e2	7.811e2	1.28	NO	6.1352	6.1352
5 Total Hexa-Dioxins	35.07	1.833e2	8.948e1	1.83	YES	0.71772	0.00000
6 1,2,3,7,8-HxCDD	35.19	5.510e2	4.895e2	1.35	NO	2.7338	2.7338



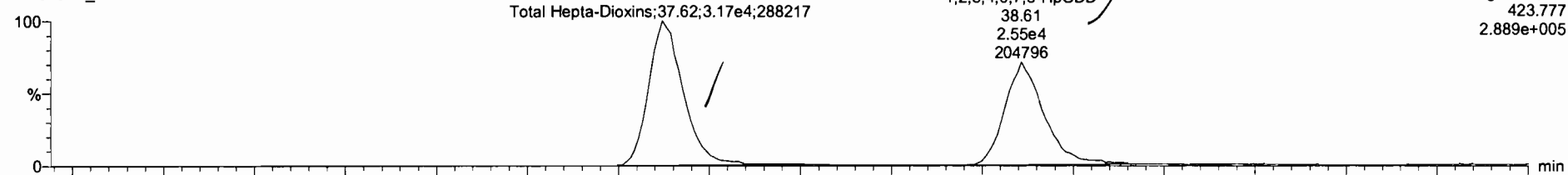
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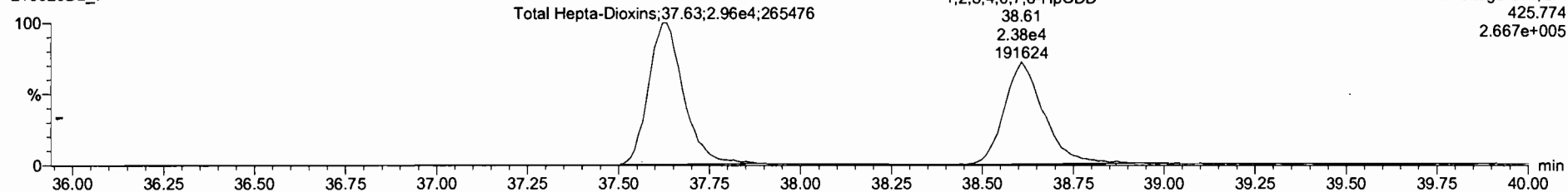
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1,2,3,4,6,7,8-HpCDD

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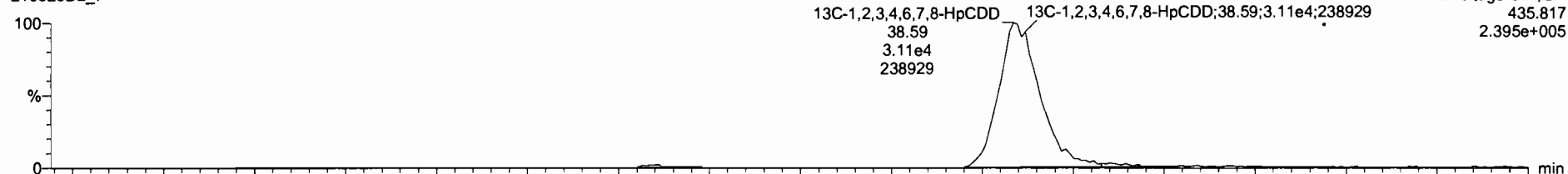


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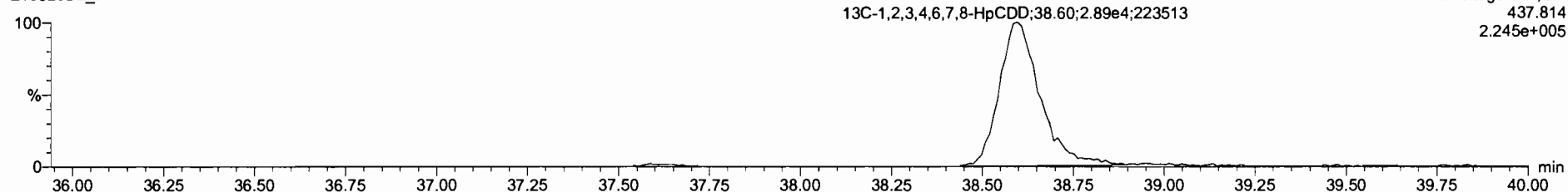


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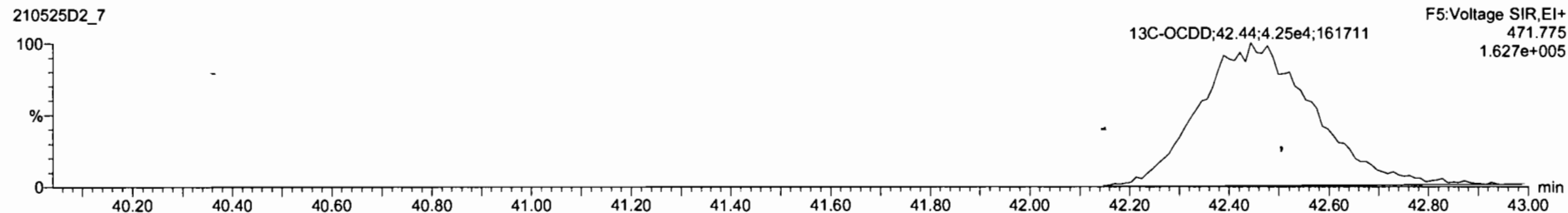
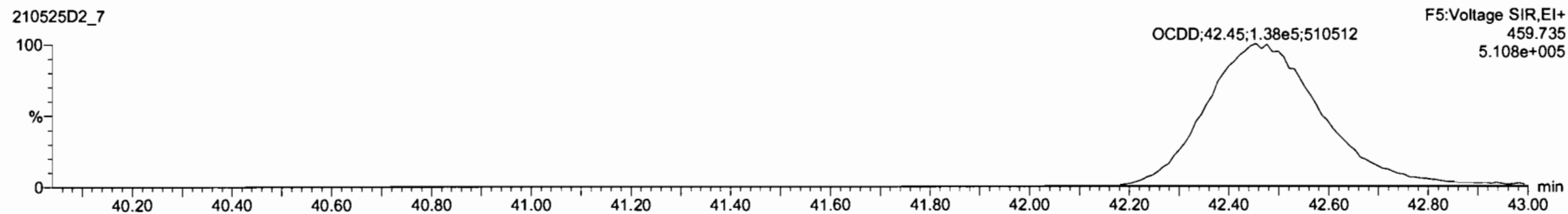
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Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430



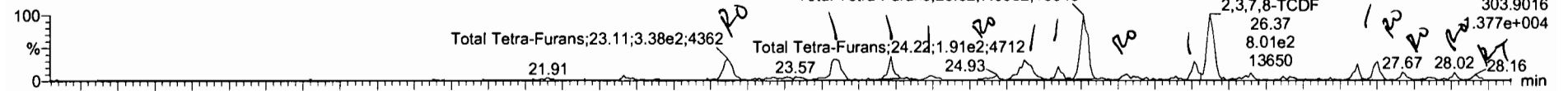
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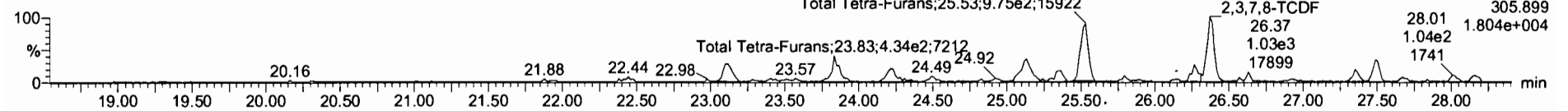
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2,3,7,8-TCDF

210525D2_7

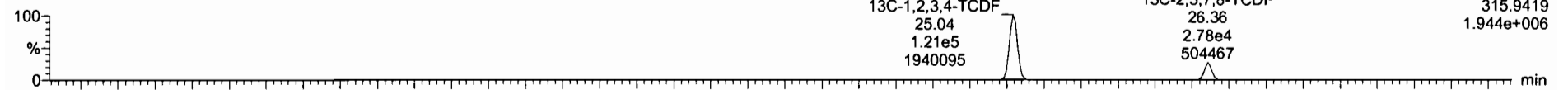


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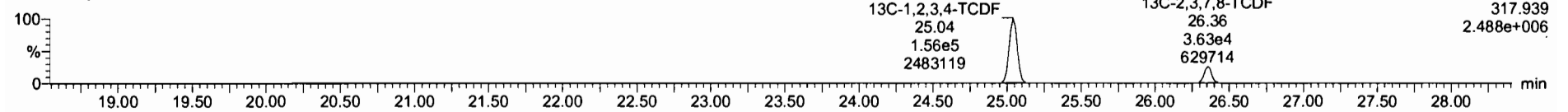


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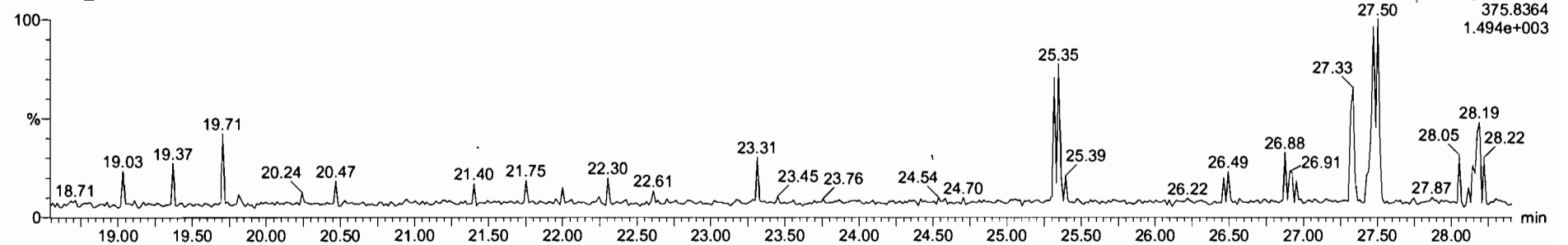


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DPE1

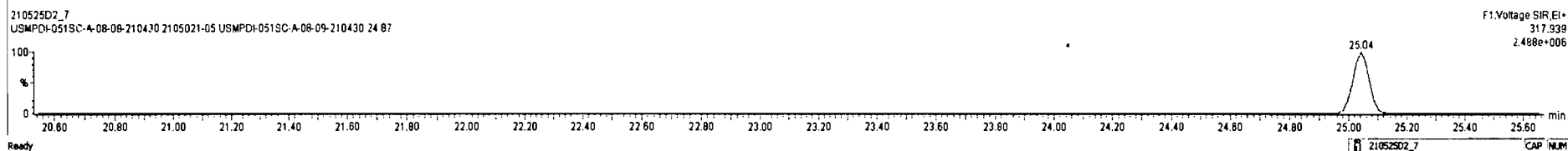
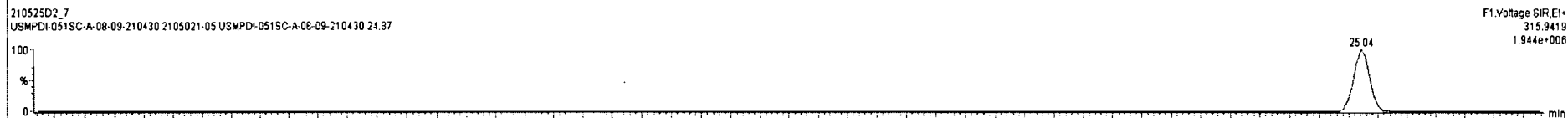
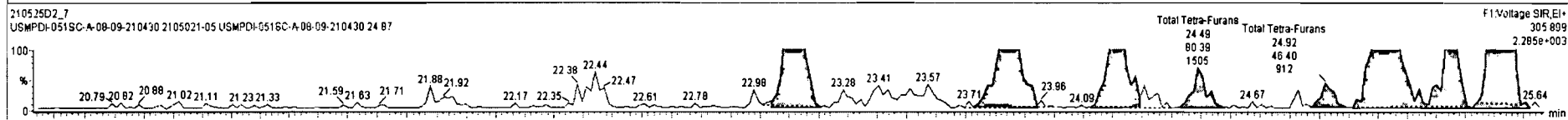
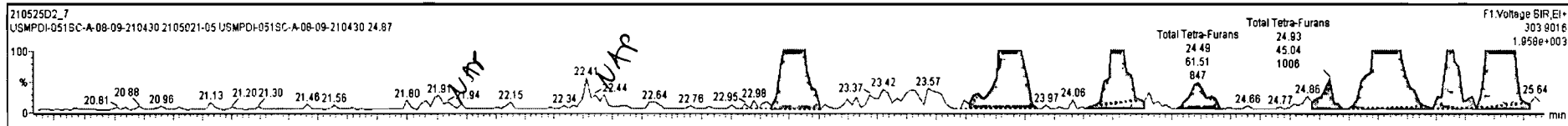
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210525D2_7 - 2105021-05 USMPDI-051SC-A-08-09-210430 24 37 - USMPDI-051SC-A-08-09-210430

Name	Resp	RA	n/y	R/R	w/Azol	RT	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	10.090			44.9		1.21	45.6
42 Total Hepta-Dioxins				1.07	10.090			343		2.12	343
43 Total Tetra-Furans				0.86	10.090			26.0		0.296	31.5
44 1st Func. Penta-Furans				0.95	10.090			9.57		0.149	9.57
45 Total Penta-Furans				0.95	10.090			27.9		0.462	30.8
46 Total Hexa-Furans				1.12	10.090			61.5		0.723	64.3
47 Total Hepta-Furans				1.16	10.090			84.5		0.702	85.2
48 PFK1											
49 PFK2											

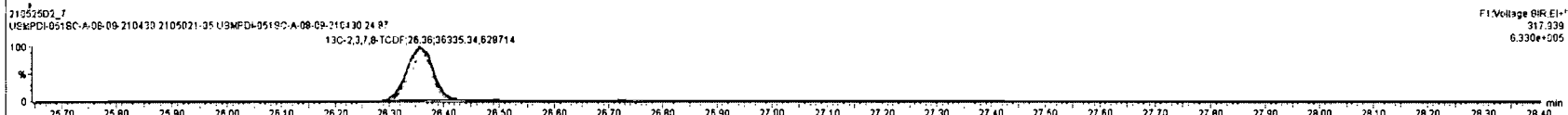
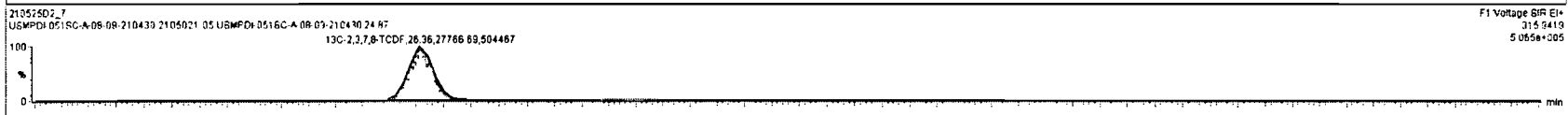
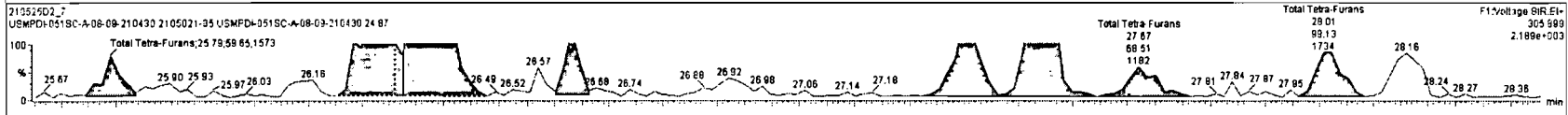
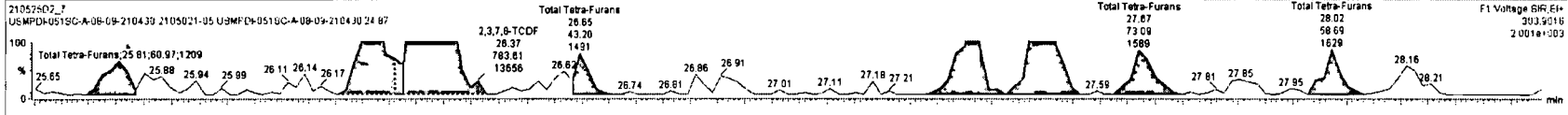
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	23.11	3.291e2	3.701e2	0.89	YES	2.3454	0.00000
2 Total Tetra-Furans	23.83	3.729e2	4.240e2	0.88	NO	2.8559	2.8559
3 Total Tetra-Furans	24.22	2.256e2	2.684e2	0.84	NO	1.7685	1.7685
4 Total Tetra-Furans	24.49	6.151e1	8.039e1	0.77	NO	0.50802	0.50802
5 Total Tetra-Furans	24.93	4.504e1	4.540e1	0.97	YES	0.29401	0.00000
6 Total Tetra-Furans	25.12	4.169e2	5.410e2	0.77	NO	3.4296	3.4296
7 Total Tetra-Furans	25.35	1.381e2	2.067e2	0.67	NO	1.2345	1.2345
8 Total Tetra-Furans	25.52	8.212e2	1.007e3	0.82	NO	6.5439	6.5439



21052502_7 - 2105021-05 USMPDI-051SC-A-08-09-210430 24 87 - USMPDI-051SC-A-08-09-210420

Name	Resp	RA	n/y	RPF	wAve	RT	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	10.090			44.9	1.21	45.6	
42 Total Hepta-Dioxins				1.07	10.090			34.3	1.21	34.3	
43 Total Tetra-Furans				0.95	10.090			25.5	0.388	31.5	
44 1st Furc. Penta-Furans				0.95	10.090			9.57	0.149	9.57	
45 Total Penta-Furans				0.95	10.090			27.9	0.482	30.8	
46 Total Hexa-Furans				1.12	10.090			61.5	0.773	64.3	
47 Total Hepta-Furans				1.16	10.090			84.5	0.702	85.2	
48 PPK1											
49 PPK2											

Name	RT	Int Res	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	23.11	3.291e2	3.701e2	0.89	YES	2.3454	0.00000
2 Total Tetra-Furans	23.83	3.729e2	4.248e2	0.86	NO	2.8559	2.9559
3 Total Tetra-Furans	24.22	2.259e2	2.694e2	0.84	NO	1.7895	1.7885
4 Total Tetra-Furans	24.49	6.151e1	6.003e1	0.77	NO	0.50802	0.50802
5 Total Tetra-Furans	24.83	4.504e1	4.640e1	0.97	YES	0.20401	0.00000
6 Total Tetra-Furans	25.12	4.169e2	5.410e2	0.77	NO	3.4296	3.4296
7 Total Tetra-Furans	25.35	1.361e2	2.067e2	0.67	NO	1.2345	1.2345
8 Total Tetra-Furans	25.52	8.212e2	1.007e3	0.82	NO	6.5439	6.5439



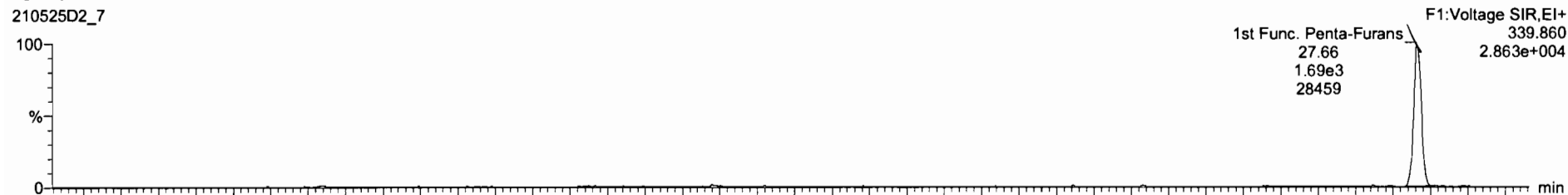
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Printed: Wednesday, May 26, 2021 12:25:14 Pacific Daylight Time

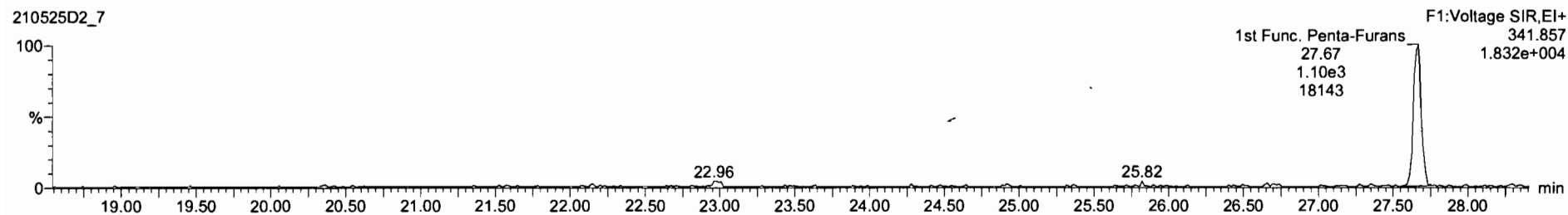
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1st Func. Penta-Furans

210525D2_7

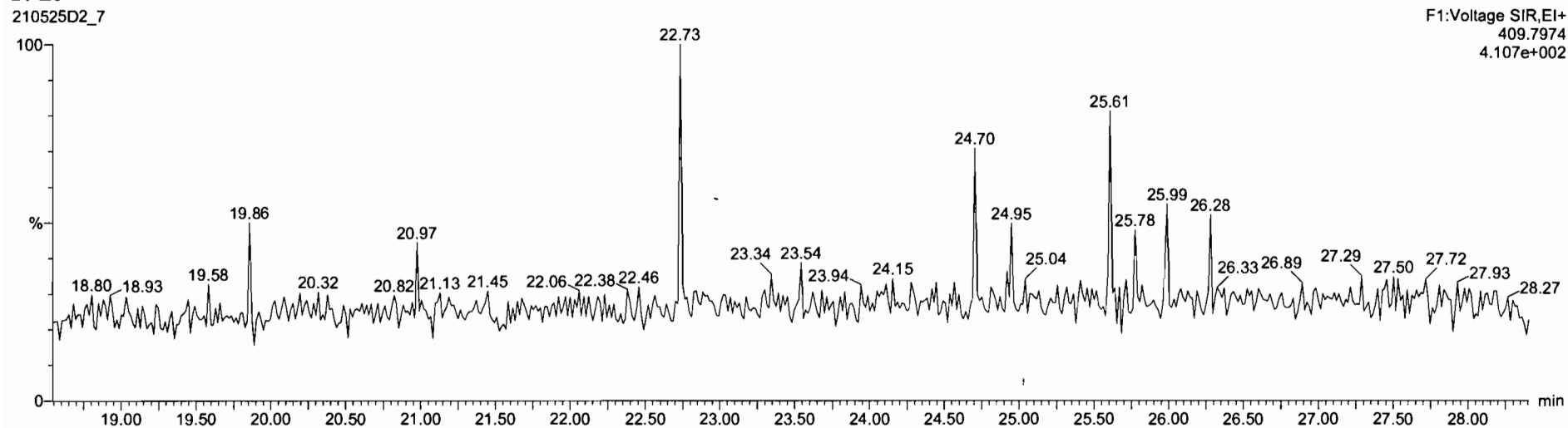


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DPE6

210525D2_7

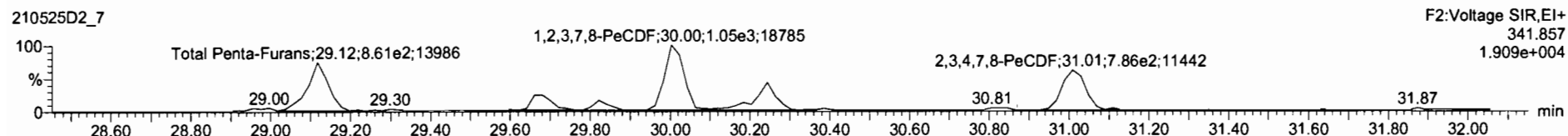
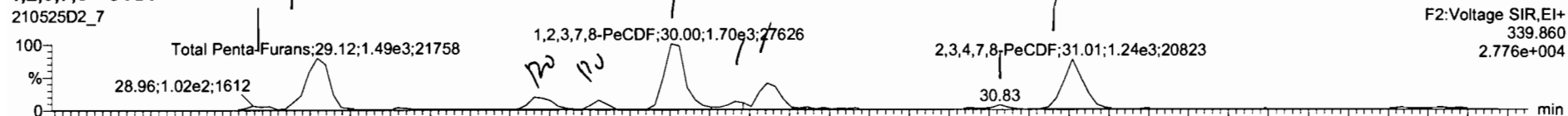


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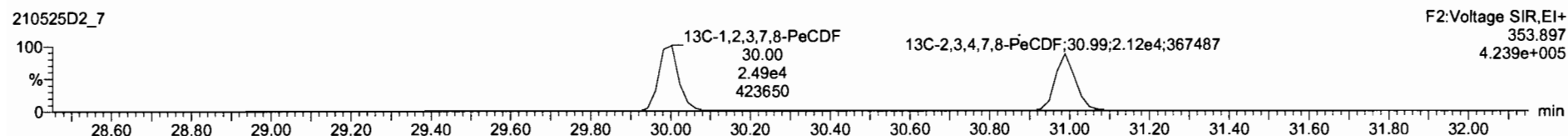
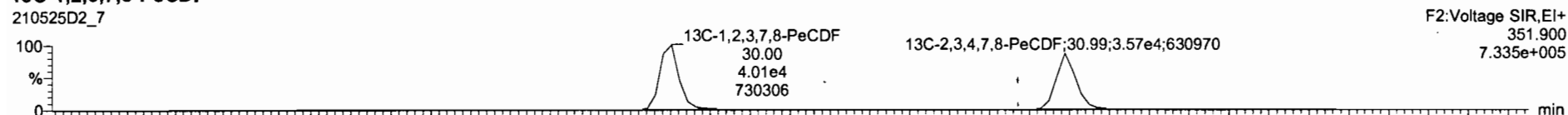
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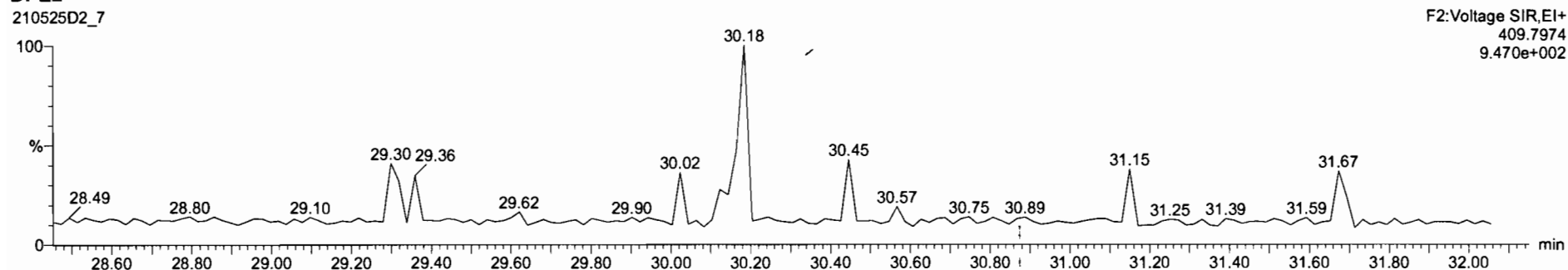
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13C-1,2,3,7,8-PeCDF



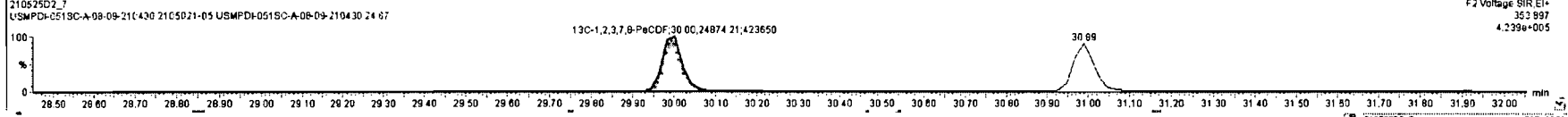
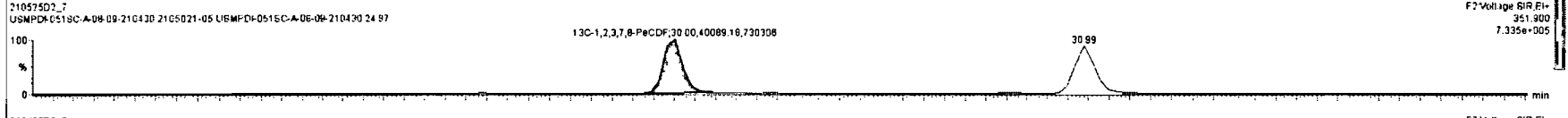
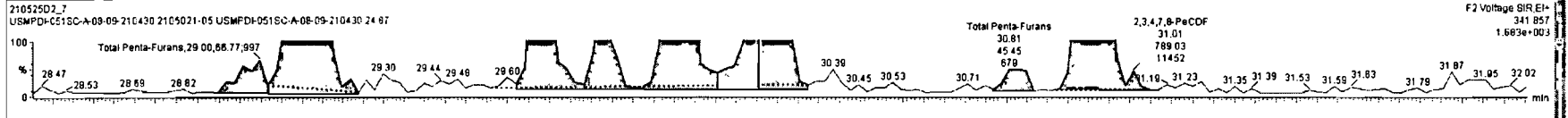
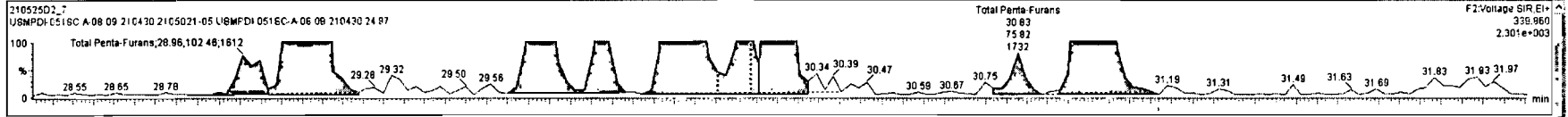
DPE2



21052502_7 - 2105021-05 USMPDI-051SC-A-08-09-210430-24 87 - USMPDI-051SC-A-08-09-210423

Name	Resp	RA	n/y	RRF	wAdj	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexo-Dioxins		1.01	10.090				44.9		1.21	45.6	
42 Total Hepta-Dioxins				1.07	10.090			343	2.12	343	
43 Total Tetra-Furans		0.86	10.090				25.5		0.396	31.5	
44 1st Func. Penta-Furans		0.95	10.090				9.57		0.149	9.57	
45 Total Penta-Furans		0.95	10.090				29.8		0.462	32.7	
46 Total Hexa-Furans		1.12	10.090				61.5		0.723	64.3	
47 Total Hepta-Furans		1.16	10.090				64.5		0.702	65.2	
48 PFK1											
49 PFK2											

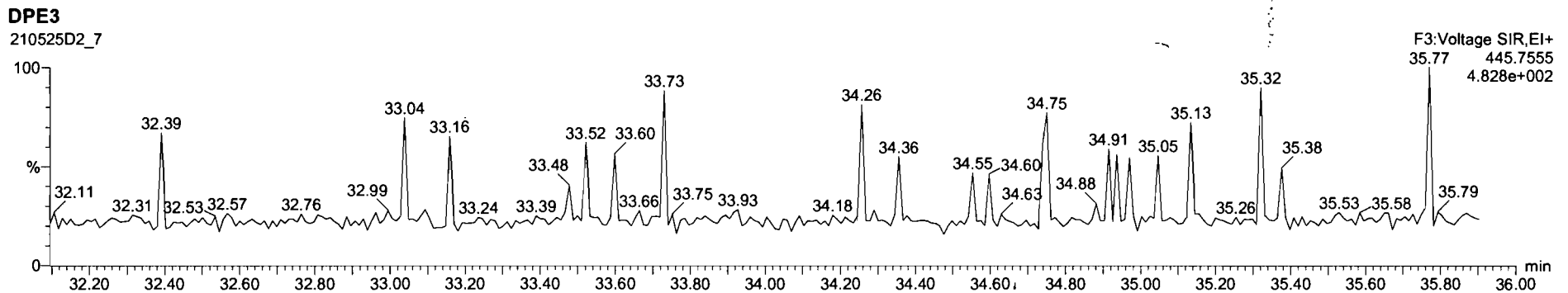
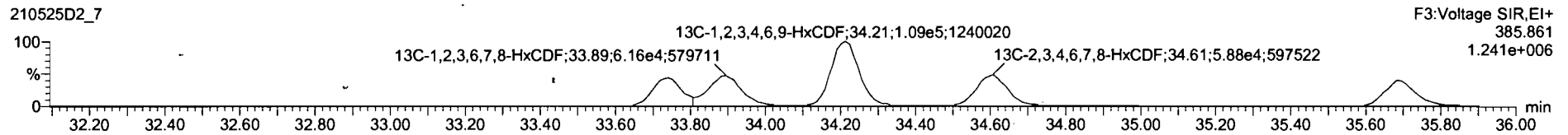
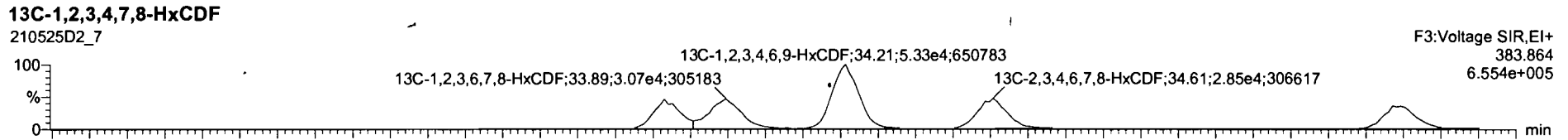
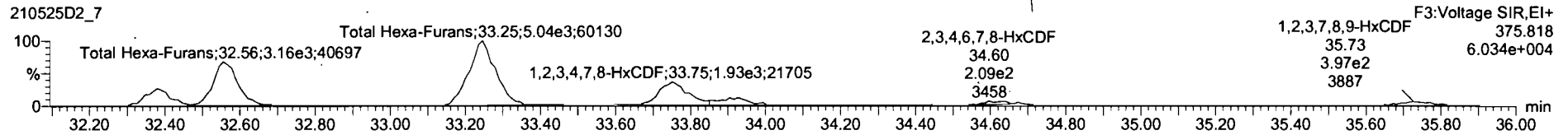
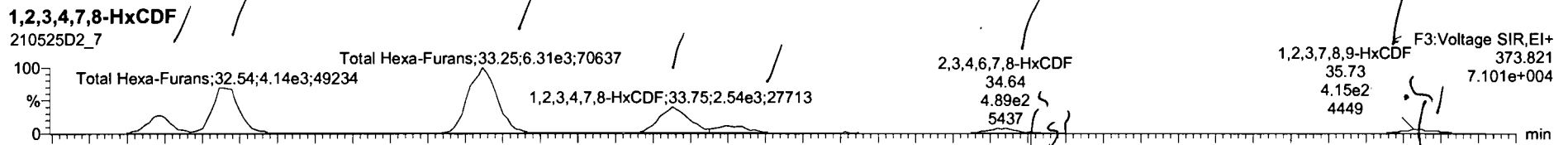
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1 Total Penta-Furans	28.96	1.025e2	6.677e1	1.53	NO	0.58023	0.58023
2 Total Penta-Furans	29.12	1.503e3	8.946e2	1.88	NO	8.2216	8.2216
3 Total Penta-Furans	29.86	3.582e2	2.882e2	1.24	YES	2.0091	0.00000
4 Total Penta-Furans	29.82	1.653e2	1.391e2	1.19	YES	0.93245	0.00000
5 1,2,3,7,8-PeCDF	30.00	1.701e3	1.071e3	1.59	NO	8.9180	8.9180
6 Total Penta-Furans	30.18	1.936e2	1.235e2	1.57	NO	1.0877	1.0877
7 Total Penta-Furans	30.24	6.788e2	3.904e2	1.74	NO	3.6657	3.6657
8 Total Penta-Furans	30.83	7.582e1	4.545e1	1.67	NO	0.41579	0.41579



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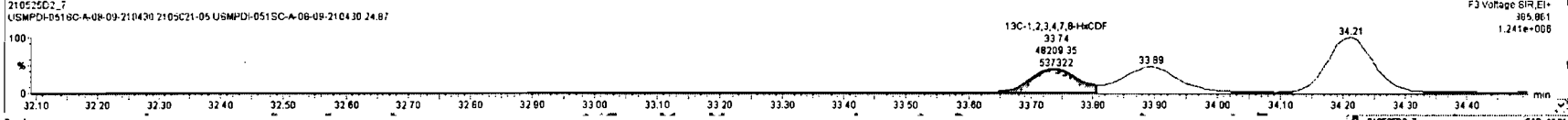
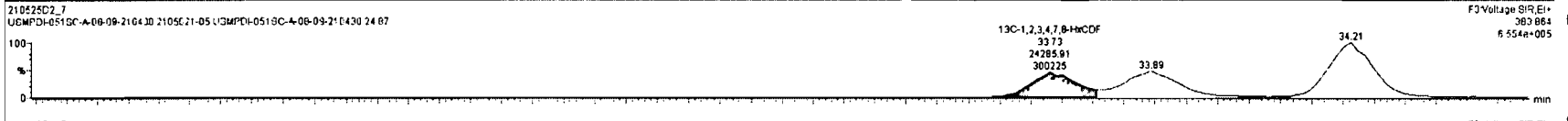
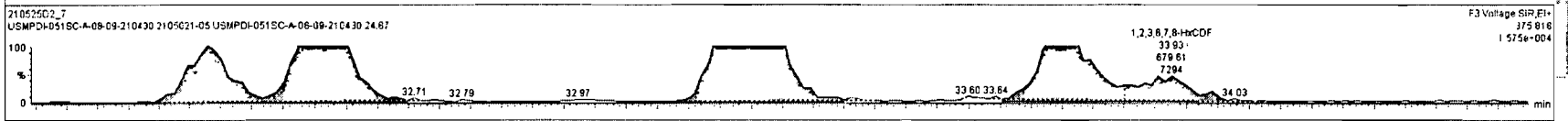
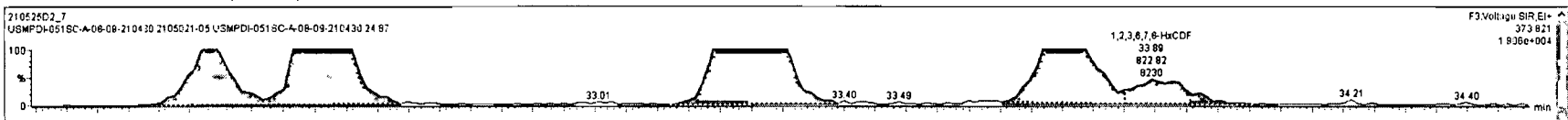
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Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430



Name	Resp	RA	rvf	RfF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins			1.01	10.090				44.9	1.21	45.6	
42 Total Hepta-Dioxins			1.07	10.090				34.3	2.12	34.3	
43 Total Tetra-Furans			0.86	10.090				25.5	0.396	31.5	
44 1st Func. Penta-Furans			0.95	10.090				9.57	0.149	9.57	
45 Total Penta-Furans			0.95	10.090				29.8	0.462	32.7	
46 Total Hexa-Furans			1.12	10.080				88.0	0.723	88.0	
47 Total Hepta-Furans			1.16	10.090				84.5	0.702	85.2	
48 PPK1											
49 PPK2											

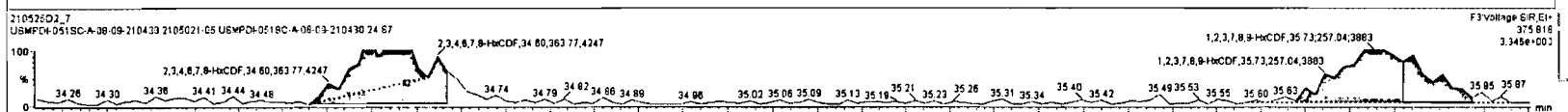
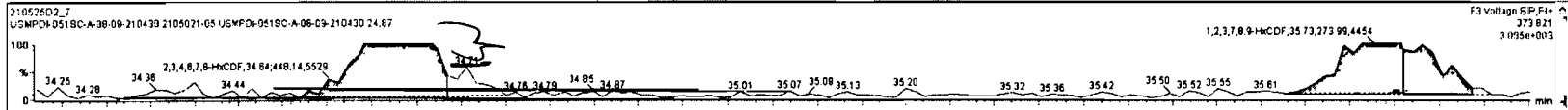
Name	RT	wt Resp	rt Resp	RA	rvf	EMPC	Conc
1 Total Hexa-Furans	32.38	1.518e3	1.227e3	1.24	NO	8.0217	8.0217
2 Total Hexa-Furans	32.54	4.204e3	3.181e3	1.32	NO	16.221	16.221
3 Total Hexa-Furans	33.25	8.357e3	5.048e3	1.26	NO	25.016	25.016
4 1,2,3,4,7,8-HxCDF	33.75	2.649e3	2.003e3	1.32	NO	12.191	12.191
5 1,2,3,6,7,8-HxCDF	33.88	8.228e2	6.796e2	1.21	NO	3.0025	3.0025
6 2,3,4,6,7,8-HxCDF	34.64	4.481e2	3.638e2	1.23	NO	1.6491	1.6491
7 1,2,3,7,8,9-HxCDF	35.73	2.740e2	2.570e2	1.07	NO	1.3420	1.3420
8 Total Hexa-Furans	35.78	1.355e2	1.179e2	1.15	NO	0.5582	0.5582



21052502_7 - 2105021-05 USMPD4-051SC-A-02-09-210430 24 67 - USMPD4-051SC-A-02-09-210430

Name	Resp	RA	rvy	RRF	wtWtd	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	10.090			44.9	1.21	45.8	
42 Total Hexa-Chlorins				1.07	10.090			34.3	2.17	34.3	
43 Total Tetr-Furans				0.96	10.090			25.5	0.306	31.5	
44 1st Func. Penta-Furans				0.95	10.090			9.57	0.149	9.57	
45 Total Penta-Furans				0.95	10.090			29.8	0.462	32.7	
46 Total Hexa-Furans				1.12	10.090			86.0	0.723	86.0	
47 Total Hepta-Furans				1.16	10.090			84.5	0.702	85.2	
48 PFK1											
49 PFK2											

Name	RT	mi Resp	ni Resp	RA	rvy	EMPC	Conc.
1 Total Hexa-Furans	32.38	1.57e3	1.22e3	1.24	NO	8.0217	8.0217
2 Total Hexa-Furans	32.54	4.20e3	3.18e3	1.32	NO	18.221	18.221
3 Total Hexa-Furans	33.25	6.357e3	5.04e3	1.26	NO	25.018	25.018
4 1,2,3,4,7,8-HxCDF	33.75	2.643e3	2.002e3	1.32	NO	12.191	12.191
5 1,2,3,6,7,8-HxCDF	33.89	8.229e2	6.799e2	1.21	NO	3.0025	3.0025
6 2,3,4,6,7,8-HxCDF	34.84	4.481e2	3.630e2	1.23	NO	1.6491	1.6491
7 1,2,3,7,8-HxCDF	35.73	2.740e2	2.570e2	1.07	NO	1.3420	1.3420
8 Total Hexa-Furans	35.78	1.355e2	1.179e2	1.15	NO	0.55582	0.55582

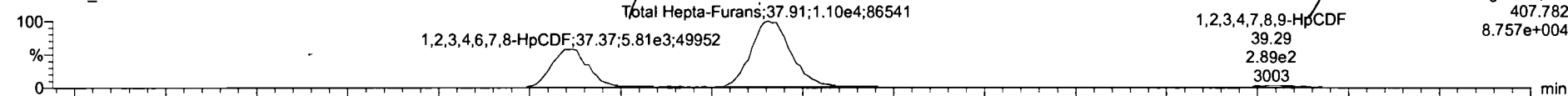


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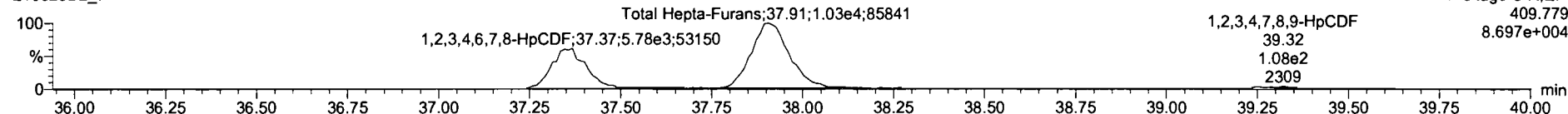
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Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430

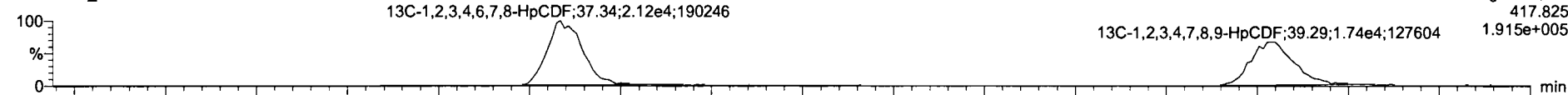
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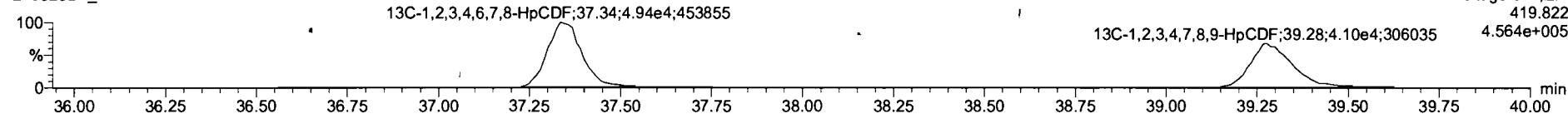
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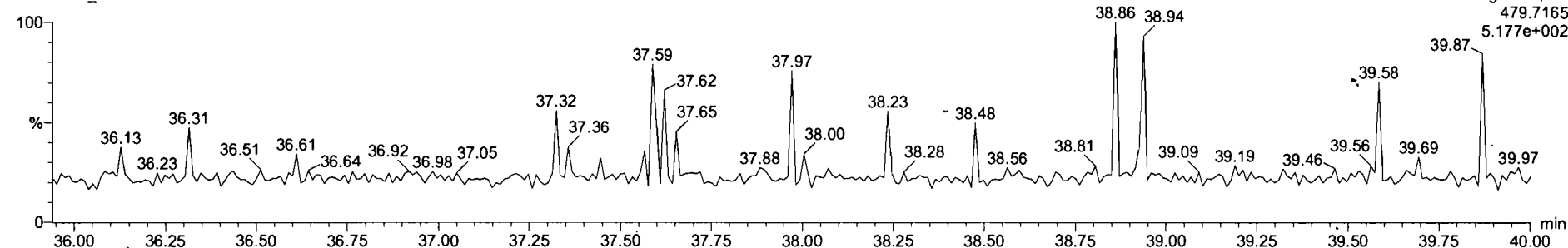


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DPE4

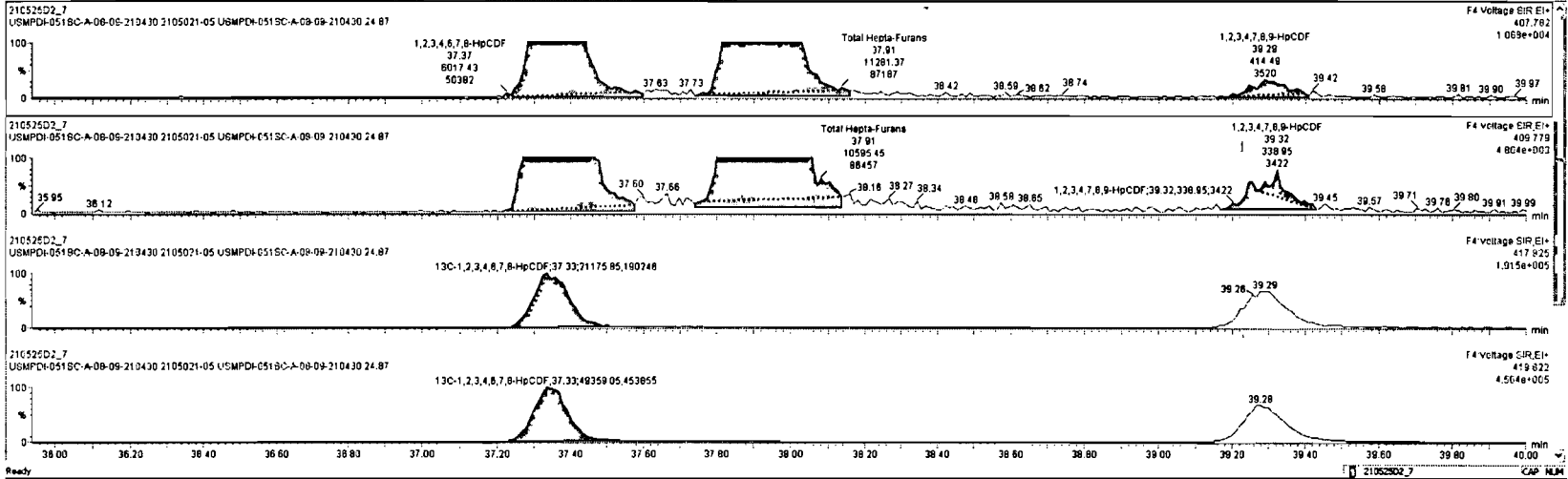
210525D2_7



21052502_7 - 2105021-05 USMPD4-051SC-A-08-09 210430 24 87 - USMPD1-051SC-A-08-09-210430

Name	Resp	RA	nly	RFN	wVvd	RI	RR1	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	10.090			44.9	1.21	45.8	
42 Total Hepta-Dioxins				1.07	10.090			343	2.12	343	
43 Total Tetra-Furans				0.85	10.090			25.5	0.396	31.5	
44 1st Func. Penta-Furans				0.85	10.090			9.57	0.149	9.57	
45 Total Penta-Furans				0.85	10.090			29.8	0.482	32.7	
46 Total Hexa-Furans				1.12	10.090			66.0	0.723	66.0	
47 Total Hepta-Furans				1.18	10.090			66.0	0.702	66.0	
48 PPK1											
49 PPK2											

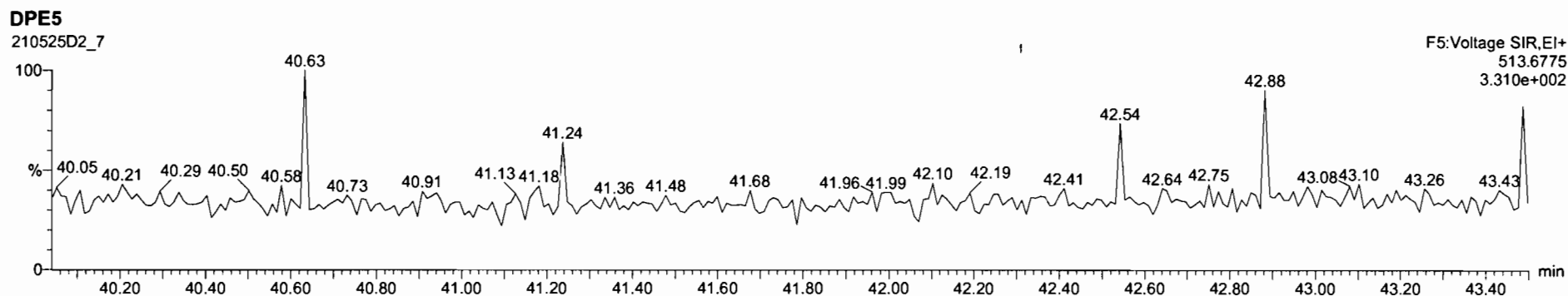
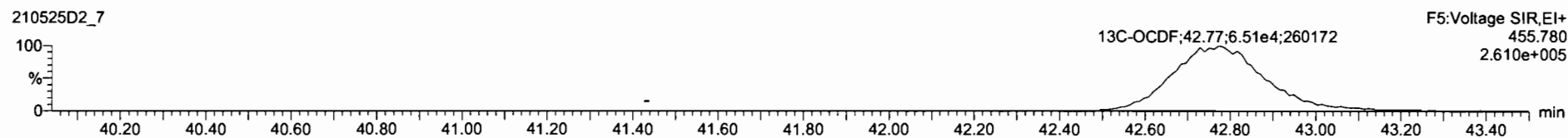
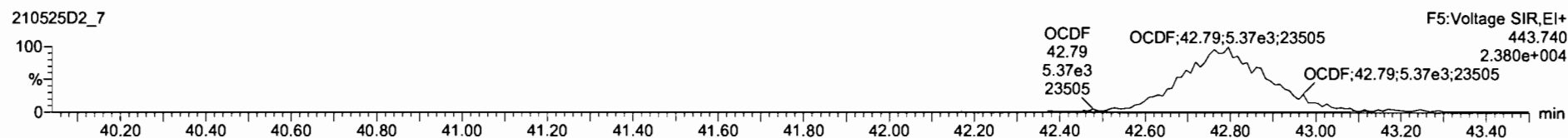
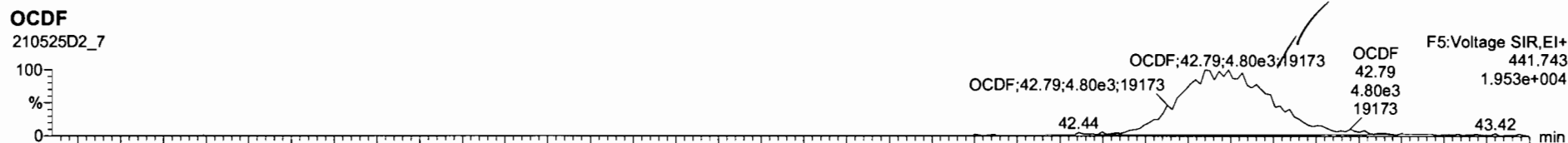
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.37	8.017e3	5.879e2	1.02	NO	28.919	28.919
2 Total Hepta-Furans	37.91	1.129e4	1.000e4	1.08	NO	57.368	57.368
3 1,2,3,4,7,8,9-HpCDF	39.29	4.143e2	3.390e2	1.22	YES	1.9757	0.00000



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-7.qld

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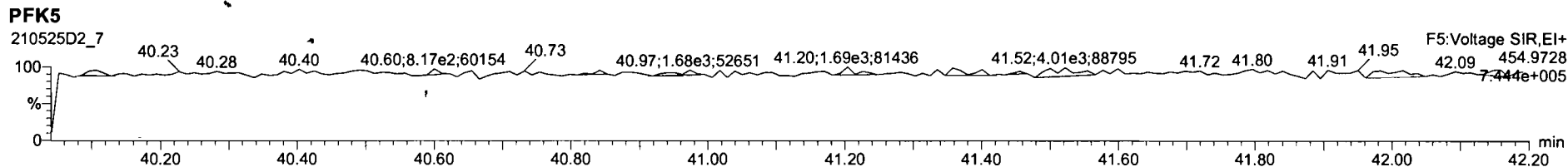
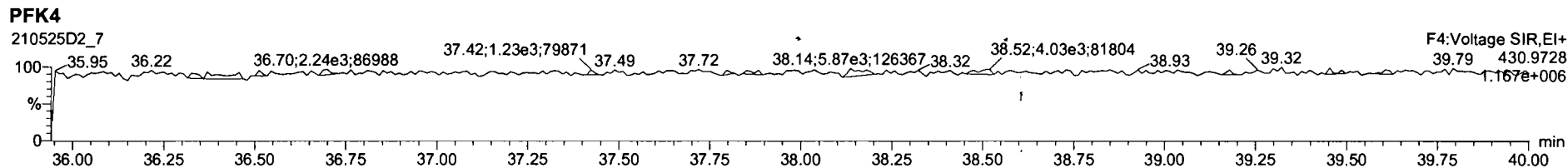
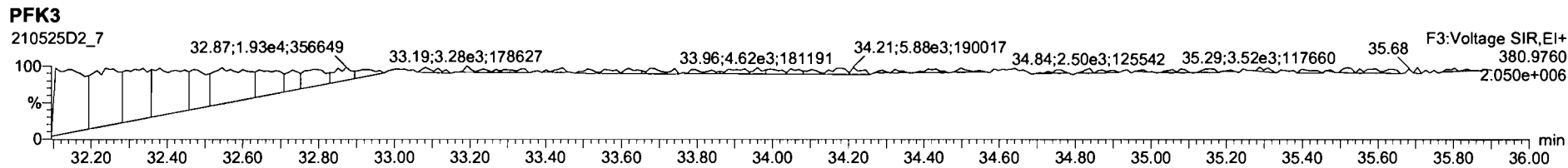
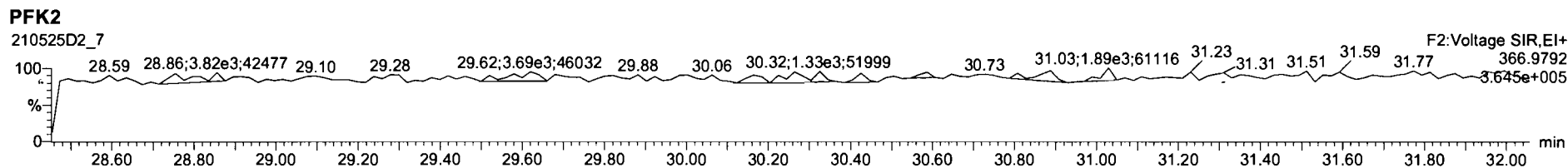
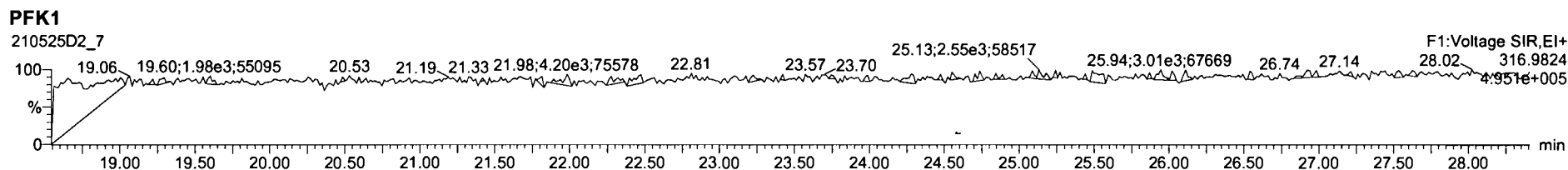
Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-7.qld

Last Altered: Wednesday, May 26, 2021 12:24:56 Pacific Daylight Time
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Name: 210525D2_7, Date: 25-May-2021, Time: 15:59:07, ID: 2105021-05 USMPDI-051SC-A-08-09-210430 24.87, Description: USMPDI-051SC-A-08-09-210430



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-8.qld

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ht 6.7.2021 CT 06/09/2021

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_5-19-21.mdb 19 May 2021 12:17:04
 Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430,
 Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	6.80e1	0.40	YES	1.05	10.026	26.95	1.001	0.38924		0.185	0.255
2	1,2,3,7,8-PeCDD	1.40e2	1.10	YES	0.881	10.026	31.23	1.001	0.74722		0.939	0.581
3	1,2,3,4,7,8-HxCDD			NO	1.14	10.026					1.71	
4	1,2,3,6,7,8-HxCDD	9.55e2	1.36	NO	1.01	10.026	34.88	1.001	3.6488		1.76	3.65
5	1,2,3,7,8,9-HxCDD			NO	1.02	10.026					1.35	
6	1,2,3,4,6,7,8-HpCDD	2.43e4	1.05	NO	1.07	10.026	38.65	1.001	94.273		5.34	94.3
7	OCDD	1.07e5	0.88	NO	1.00	10.026	42.51	1.001	748.90		7.36	749
8	2,3,7,8-TCDF	1.21e3	0.81	NO	0.864	10.026	26.39	1.001	5.0376		0.419	5.04
9	1,2,3,7,8-PeCDF	1.76e3	1.68	NO	0.948	10.026	30.06	1.001	5.4415		0.501	5.44
10	2,3,4,7,8-PeCDF	1.44e3	1.37	NO	1.04	10.026	31.03	1.000	4.9864		0.578	4.99
11	1,2,3,4,7,8-HxCDF	3.13e3	1.33	NO	1.04	10.026	33.71	1.001	7.9873		0.583	7.99
12	1,2,3,6,7,8-HxCDF	9.88e2	1.17	NO	1.07	10.026	33.86	1.000	2.1397		0.595	2.14
13	2,3,4,6,7,8-HxCDF	6.48e2	1.58	YES	1.12	10.026	34.62	1.001	1.5095		0.622	1.31
14	1,2,3,7,8,9-HxCDF	4.95e2	1.49	YES	1.10	10.026	35.75	1.001	1.3489		0.785	1.21
15	1,2,3,4,6,7,8-HpCDF	7.69e3	1.10	NO	1.16	10.026	37.46	1.000	22.574		0.952	22.6
16	1,2,3,4,7,8,9-HpCDF	6.73e2	1.21	YES	1.19	10.026	39.29	1.000	2.1940		1.05	2.02
17	OCDF	9.03e3	0.91	NO	0.909	10.026	42.97	1.001	45.201		5.46	45.2
18	13C-2,3,7,8-TCDD	3.33e4	0.80	NO	1.15	10.026	26.94	1.024	41.536	20.8	0.194	
19	13C-1,2,3,7,8-PeCDD	4.24e4	0.64	NO	0.887	10.026	31.21	1.187	68.414	34.3	0.234	
20	13C-1,2,3,4,7,8-HxCDD	4.04e4	1.28	NO	0.645	10.026	34.69	1.014	79.045	39.6	0.765	
21	13C-1,2,3,6,7,8-HxCDD	5.16e4	1.33	NO	0.717	10.026	34.84	1.019	90.885	45.6	0.689	
22	13C-1,2,3,7,8,9-HxCDD	6.30e4	1.26	NO	0.714	10.026	35.13	1.027	111.35	55.8	0.691	
23	13C-1,2,3,4,6,7,8-HpCDD	4.82e4	1.05	NO	0.583	10.026	38.63	1.129	104.32	52.3	0.836	
24	13C-OCDD	5.69e4	0.88	NO	0.451	10.026	42.48	1.242	159.16	39.9	2.81	
25	13C-2,3,7,8-TCDF	5.55e4	0.77	NO	1.09	10.026	26.37	1.003	35.331	17.7	0.258	
26	13C-1,2,3,7,8-PeCDF	6.82e4	1.66	NO	0.805	10.026	30.04	1.143	58.880	29.5	0.347	
27	13C-2,3,4,7,8-PeCDF	5.54e4	1.64	NO	0.792	10.026	31.03	1.180	48.587	24.4	0.353	
28	13C-1,2,3,4,7,8-HxCDF	7.50e4	0.50	NO	0.997	10.026	33.69	0.985	94.903	47.6	0.829	
29	13C-1,2,3,6,7,8-HxCDF	8.58e4	0.51	NO	1.03	10.026	33.85	0.990	105.17	52.7	0.804	
30	13C-2,3,4,6,7,8-HxCDF	7.67e4	0.50	NO	0.940	10.026	34.58	1.011	102.90	51.6	0.880	

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-8.qld

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Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430, Task: ST210525D2-1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	6.68e4	0.51	NO	0.852	10.026	35.72	1.044	98.894	49.6	0.970	
32	13C-1,2,3,4,6,7,8-HpCDF	5.85e4	0.43	NO	0.727	10.026	37.44	1.095	101.60	50.9	0.933	
33	13C-1,2,3,4,7,8,9-HpCDF	5.15e4	0.45	NO	0.608	10.026	39.30	1.149	106.95	53.6	1.12	
34	13C-OCDF	8.77e4	0.91	NO	0.631	10.026	42.92	1.255	175.42	44.0	2.17	
35	37Cl-2,3,7,8-TCDD	3.38e4			2.22	10.026	26.95	1.025	21.767	27.3	0.0470	
36	13C-1,2,3,4-TCDD	1.39e5	0.80	NO	1.00	10.026	26.30	1.000	199.47	100	0.223	
37	13C-1,2,3,4-TCDF	2.87e5	0.79	NO	1.00	10.026	25.04	1.000	199.47	100	0.282	
38	13C-1,2,3,4,6,9-HxCDF	1.58e5	0.50	NO	1.00	10.026	34.20	1.000	199.47	100	0.827	
39	Total Tetra-Dioxins				1.05	10.026			0.00000		0.185	1.91
40	Total Penta-Dioxins				0.881	10.026			1.6276		0.938	4.58
41	Total Hexa-Dioxins				1.01	10.026			31.569		1.64	33.4
42	Total Hepta-Dioxins				1.07	10.026			245.90		5.34	246
43	Total Tetra-Furans				0.864	10.026			24.561		0.419	26.9
44	1st Func. Penta-Furans				0.948	10.026			7.9247		0.114	7.92
45	Total Penta-Furans				0.948	10.026			19.839		0.560	22.7
46	Total Hexa-Furans				1.12	10.026			43.451		0.622	46.0
47	Total Hepta-Furans				1.16	10.026			75.312		1.01	77.3

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-8.qld

Last Altered: Monday, June 07, 2021 16:20:54 Pacific Daylight Time

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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_5-19-21.mdb 19 May 2021 12:17:04
 Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430,
 Task: ST210525D2-1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	23.83	1.628e3	1.372e3	9.511e1	9.054e1	1.05	YES	0.000e0	0.00000	0.91723	0.185
2	Total Tetra-Dioxins	24.08	1.115e3	7.330e2	5.174e1	4.763e1	1.09	YES	0.000e0	0.00000	0.48256	0.185
3	Total Tetra-Dioxins	25.59	4.440e2	4.950e2	2.780e1	2.556e1	1.09	YES	0.000e0	0.00000	0.25896	0.185
4	2,3,7,8-TCDD	26.95	4.730e2	1.044e3	1.938e1	4.863e1	0.40	YES	6.801e1	0.00000	0.25497	0.185

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.10	1.777e3	2.493e3	1.424e2	1.573e2	0.91	YES	0.000e0	0.00000	1.3682	0.938
2	Total Penta-Dioxins	30.06	8.330e2	1.231e3	4.143e1	7.261e1	0.57	NO	1.140e2	0.60850	0.60850	0.938
3	Total Penta-Dioxins	30.20	7.550e2	1.541e3	6.999e1	1.210e2	0.58	NO	1.910e2	1.0190	1.0190	0.938
4	Total Penta-Dioxins	30.51	9.150e2	2.145e3	7.271e1	1.472e2	0.49	YES	0.000e0	0.00000	1.0038	0.938
5	1,2,3,7,8-PeCDD	31.23	9.870e2	1.397e3	7.329e1	6.675e1	1.10	YES	1.400e2	0.00000	0.58055	0.938

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.92	2.777e4	1.965e4	2.056e3	1.628e3	1.26	NO	3.683e3	14.060	14.060	1.64
2	Total Hexa-Dioxins	33.54	3.345e3	4.621e3	2.585e2	2.888e2	0.89	YES	0.000e0	0.00000	1.7824	1.64
3	Total Hexa-Dioxins	33.90	1.624e4	1.353e4	1.869e3	1.391e3	1.34	NO	3.260e3	12.445	12.445	1.64
4	Total Hexa-Dioxins	34.00	3.794e3	3.590e3	2.068e2	1.639e2	1.26	NO	3.707e2	1.4153	1.4153	1.64
5	1,2,3,6,7,8-HxCDD	34.88	5.675e3	3.949e3	5.502e2	4.044e2	1.36	NO	9.546e2	3.6488	3.6488	1.76

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.73	1.618e5	1.571e5	1.995e4	1.910e4	1.04	NO	3.905e4	151.63	151.63	5.34
2	1,2,3,4,6,7,8-HpCDD	38.65	7.730e4	7.202e4	1.243e4	1.185e4	1.05	NO	2.428e4	94.273	94.273	5.34

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-8.qld

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Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430,
 Task: ST210525D2-1

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	22.47	1.300e3	1.263e3	7.724e1	1.034e2	0.75	NO	1.807e2	0.75244	0.75244	0.419
2	Total Tetra-Furans	23.15	4.496e3	5.115e3	3.609e2	4.223e2	0.85	NO	7.832e2	3.2616	3.2616	0.419
3	Total Tetra-Furans	23.85	4.484e3	5.541e3	3.139e2	4.078e2	0.77	NO	7.217e2	3.0055	3.0055	0.419
4	Total Tetra-Furans	24.22	3.090e3	4.611e3	1.869e2	2.956e2	0.63	YES	0.000e0	0.00000	1.7887	0.419
5	Total Tetra-Furans	24.49	1.282e3	1.297e3	7.971e1	8.017e1	0.99	YES	0.000e0	0.00000	0.59094	0.419
6	Total Tetra-Furans	24.93	5.940e2	1.111e3	4.156e1	5.470e1	0.76	NO	9.626e1	0.40088	0.40088	0.419
7	Total Tetra-Furans	25.13	3.596e3	5.518e3	3.691e2	5.195e2	0.71	NO	8.886e2	3.7005	3.7005	0.419
8	Total Tetra-Furans	25.53	9.496e3	1.192e4	5.315e2	7.167e2	0.74	NO	1.248e3	5.1980	5.1980	0.419
9	Total Tetra-Furans	26.28	3.347e3	3.219e3	1.912e2	2.213e2	0.86	NO	4.125e2	1.7179	1.7179	0.419
10	2,3,7,8-TCDF	26.39	9.059e3	1.099e4	5.412e2	6.685e2	0.81	NO	1.210e3	5.0376	5.0376	0.419
11	Total Tetra-Furans	26.65	1.288e3	1.895e3	8.045e1	1.018e2	0.79	NO	1.822e2	0.75896	0.75896	0.419
12	Total Tetra-Furans	28.02	1.484e3	1.747e3	8.158e1	9.311e1	0.88	NO	1.747e2	0.72747	0.72747	0.419

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	27.67	2.388e4	1.531e4	1.423e3	9.049e2	1.57	NO	2.328e3	7.9247	7.9247	0.114

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	29.00	1.509e3	1.254e3	1.120e2	8.173e1	1.37	NO	1.937e2	0.65937	0.65937	0.560
2	Total Penta-Furans	29.14	1.406e4	9.143e3	1.060e3	6.078e2	1.74	NO	1.668e3	5.6777	5.6777	0.560
3	Total Penta-Furans	29.72	5.439e3	4.825e3	3.610e2	2.690e2	1.34	NO	6.301e2	2.1450	2.1450	0.560
4	Total Penta-Furans	29.88	2.050e3	2.033e3	1.652e2	1.076e2	1.53	NO	2.728e2	0.92873	0.92873	0.560
5	1,2,3,7,8-PeCDF	30.06	1.806e4	1.122e4	1.106e3	6.580e2	1.68	NO	1.764e3	5.4415	5.4415	0.501
6	Total Penta-Furans	30.31	9.848e3	5.320e3	6.278e2	3.274e2	1.92	YES	0.000e0	0.00000	2.8420	0.560
7	2,3,4,7,8-PeCDF	31.03	1.178e4	8.771e3	8.300e2	6.063e2	1.37	NO	1.436e3	4.9864	4.9864	0.578

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-8.qld

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Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430, Task: ST210525D2-1

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.34	1.304e4	8.889e3	9.547e2	6.718e2	1.42	NO	1.627e3	3.8181	3.8181	0.622
2	Total Hexa-Furans	32.53	3.378e4	2.768e4	2.737e3	2.243e3	1.22	NO	4.980e3	11.691	11.691	0.622
3	Total Hexa-Furans	33.20	4.921e4	3.909e4	4.285e3	3.304e3	1.30	NO	7.589e3	17.815	17.815	0.622
4	1,2,3,4,7,8-HxCDF	33.71	2.185e4	1.696e4	1.789e3	1.345e3	1.33	NO	3.134e3	7.9873	7.9873	0.583
5	1,2,3,6,7,8-HxCDF	33.86	5.656e3	4.823e3	5.319e2	4.562e2	1.17	NO	9.881e2	2.1397	2.1397	0.595
6	2,3,4,6,7,8-HxCDF	34.62	4.687e3	3.065e3	3.971e2	2.509e2	1.58	YES	6.480e2	0.00000	1.3091	0.622
7	1,2,3,7,8,9-HxCDF	35.75	3.744e3	2.026e3	2.962e2	1.985e2	1.49	YES	4.946e2	0.00000	1.2079	0.785

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	37.46	3.116e4	2.714e4	4.017e3	3.668e3	1.10	NO	7.685e3	22.574	22.574	0.952
2	Total Hepta-Furans	37.94	7.693e4	7.870e4	8.618e3	8.263e3	1.04	NO	1.688e4	52.738	52.738	1.01
3	1,2,3,4,7,8,9-HpCDF	39.29	3.099e3	3.175e3	3.691e2	3.039e2	1.21	YES	6.729e2	0.00000	2.0212	1.05

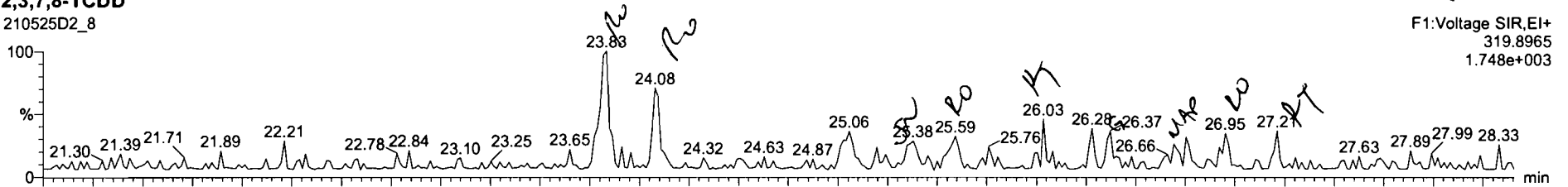
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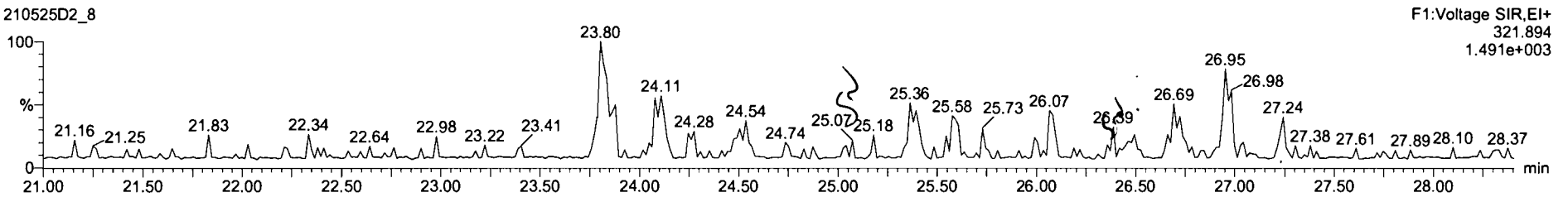
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Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430

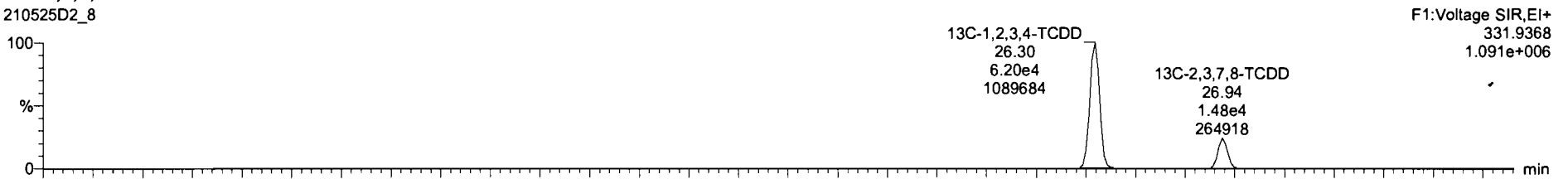
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210525D2_8



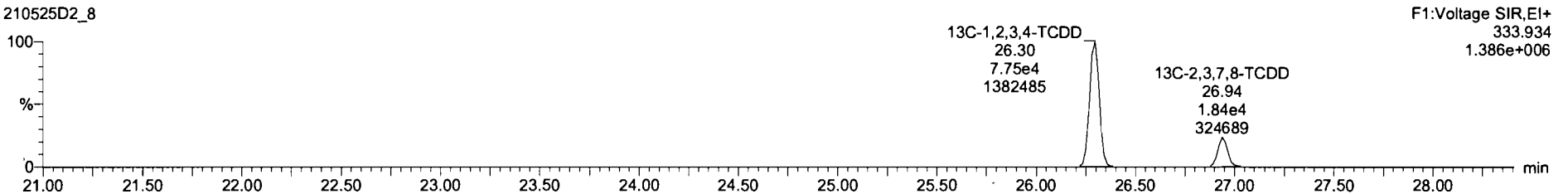
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13C-2,3,7,8-TCDD
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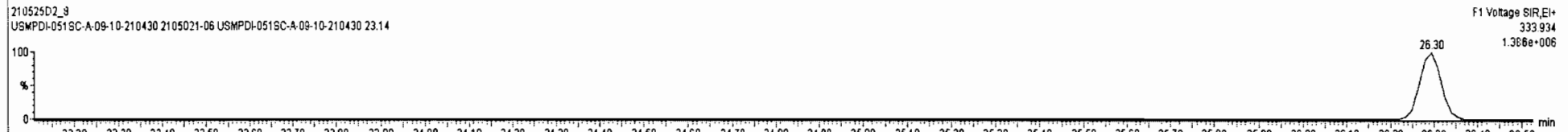
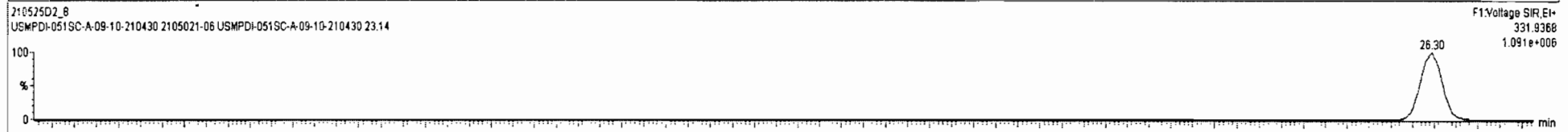
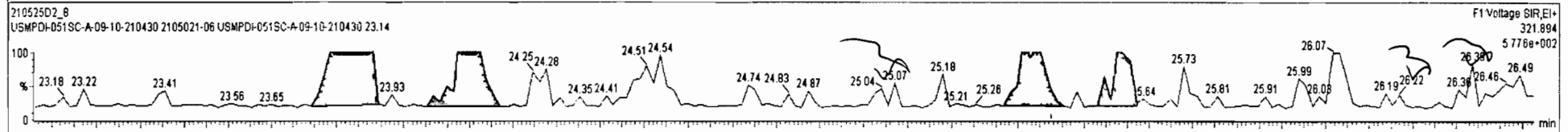
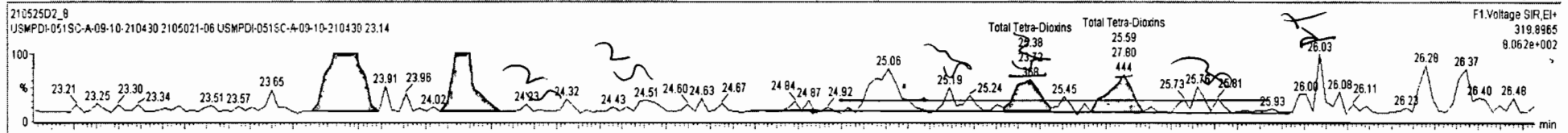


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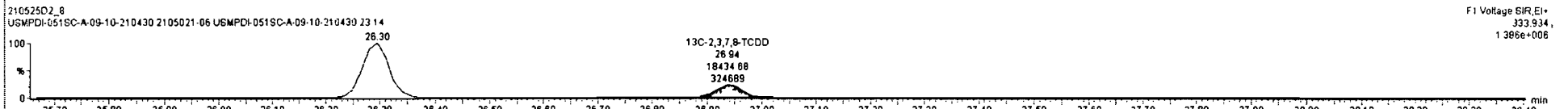
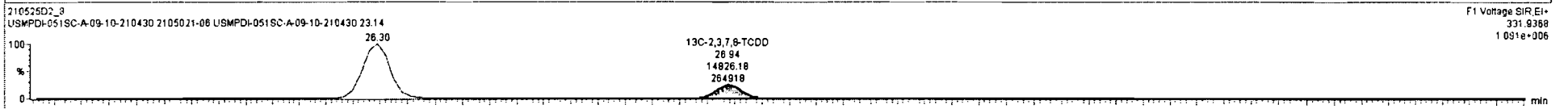
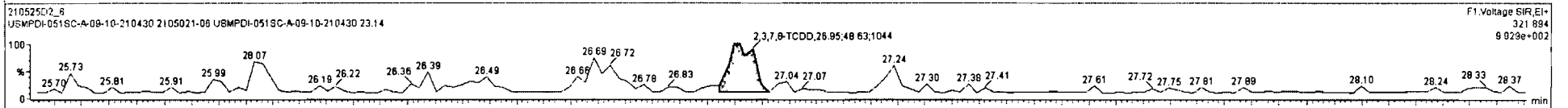
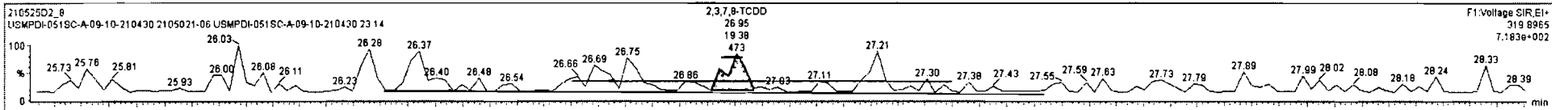
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
25 13C-2,3,7,8-TCDF	5.55e4	0.77	NO	1.09	10.026	26.37	1.003	35.3	17.7	0.258	
26 13C-1,2,3,7,8-PeCDF	6.82e4	1.66	NO	0.80	10.026	30.04	1.143	58.9	29.5	0.347	
27 13C-2,3,4,7,8-PeCDF	5.54e4	1.64	NO	0.79	10.026	31.03	1.180	48.6	24.4	0.353	
28 13C-1,2,3,4,7,8-HxCDF	7.50e4	0.50	NO	1.00	10.026	33.69	0.985	94.9	47.6	0.829	
29 13C-1,2,3,6,7,8-HxCDF	8.58e4	0.51	NO	1.03	10.026	33.85	0.990	105	52.7	0.804	
30 13C-2,3,4,6,7,8-HxCDF	7.67e4	0.50	NO	0.94	10.026	34.58	1.011	103	51.6	0.880	
31 13C-1,2,3,7,8,9-HxCDF	6.68e4	0.51	NO	0.85	10.026	35.72	1.044	98.9	49.6	0.970	
32 13C-1,2,3,4,6,7,8-HpCDF	5.85e4	0.43	NO	0.73	10.026	37.44	1.085	102	50.9	0.933	
33 13C-1,2,3,4,7,8,9-HpCDF	5.15e4	0.45	NO	0.61	10.026	39.30	1.149	107	53.6	1.12	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	23.83	9.511e1	9.054e1	1.05	YES	0.91723	0.00000
2 Total Tetra-Dioxins	24.06	5.174e1	4.763e1	1.09	YES	0.48256	0.00000
3 Total Tetra-Dioxins	25.38	2.372e1	3.748e1	0.63	YES	0.31212	0.00000
4 Total Tetra-Dioxins	25.59	2.780e1	2.556e1	1.09	YES	0.25896	0.00000
5 2,3,7,8-TCDD	26.95	1.938e1	4.863e1	0.40	YES	0.25497	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
13C-2,3,7,8-TCDF	5.55e4	0.77	NO	1.09	10.026	26.37	1.003	35.3	17.7	0.258	
13C-1,2,3,7,8-PeCDF	6.82e4	1.66	NO	0.80	10.026	30.04	1.143	58.9	29.5	0.347	
13C-2,3,4,7,8-PeCDF	5.54e4	1.64	NO	0.79	10.026	31.03	1.180	46.6	24.4	0.353	
13C-1,2,3,4,7,8-HxCDF	7.50e4	0.50	NO	1.00	10.026	33.69	0.985	94.9	47.6	0.829	
13C-1,2,3,6,7,8-HxCDF	8.58e4	0.51	NO	1.03	10.026	33.85	0.990	105	52.7	0.804	
13C-2,3,4,6,7,8-HxCDF	7.67e4	0.50	NO	0.94	10.026	34.58	1.011	103	51.6	0.880	
13C-1,2,3,7,8,9-HxCDF	6.68e4	0.51	NO	0.85	10.026	35.72	1.044	98.9	49.6	0.970	
13C-1,2,3,4,6,7,8-HpCDF	5.85e4	0.43	NO	0.73	10.026	37.44	1.095	102	50.9	0.933	
13C-1,2,3,4,7,8,9-HpCDF	5.15e4	0.45	NO	0.61	10.026	39.30	1.149	107	53.6	1.12	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	23.83	9.511e1	9.054e1	1.05	YES	0.91723	0.00000
2 Total Tetra-Dioxins	24.06	5.174e1	4.763e1	1.09	YES	0.48256	0.00000
3 Total Tetra-Dioxins	25.38	2.372e1	3.748e1	0.63	YES	0.31212	0.00000
4 Total Tetra-Dioxins	25.59	2.780e1	2.556e1	1.09	YES	0.25896	0.00000
5 2,3,7,8-TCDD	26.95	1.938e1	4.863e1	0.40	YES	0.25497	0.00000



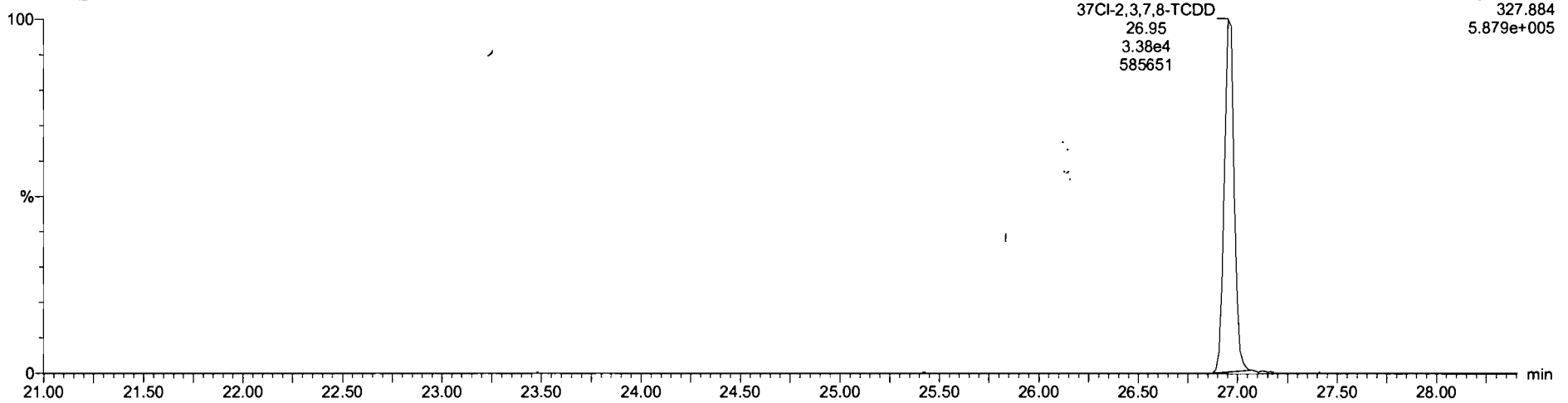
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Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430

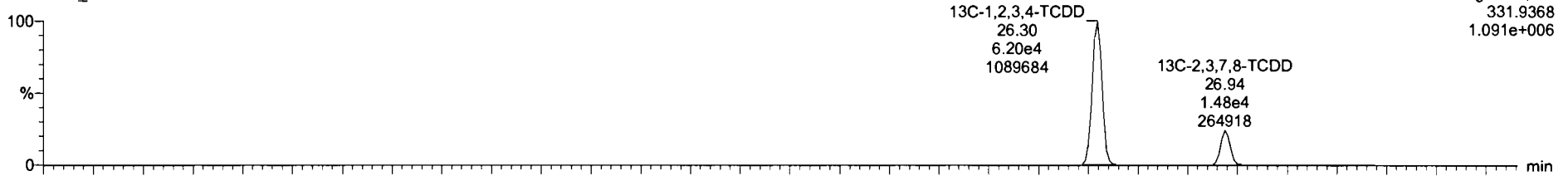
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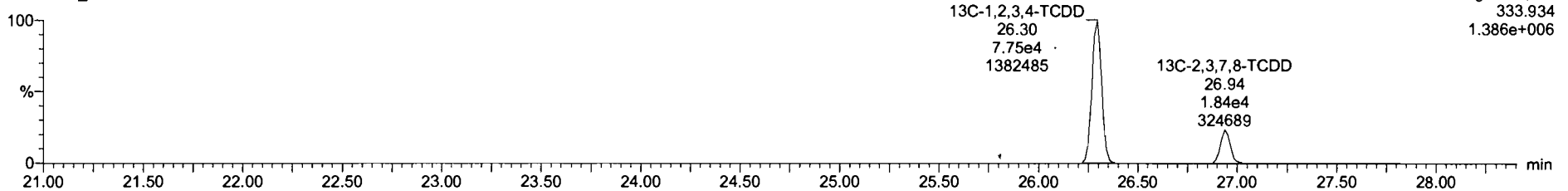


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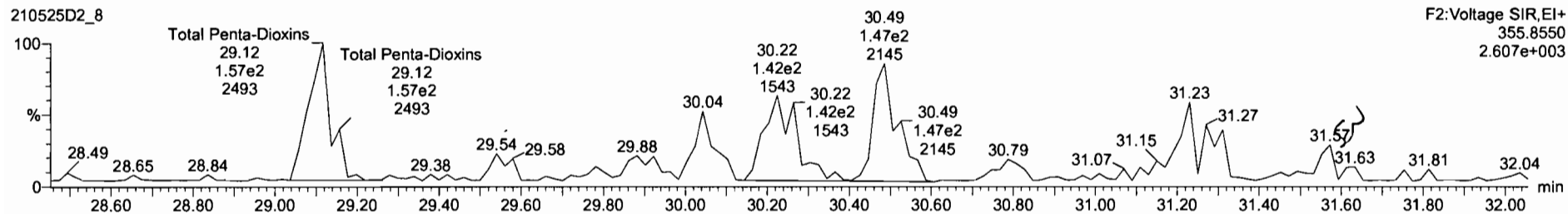
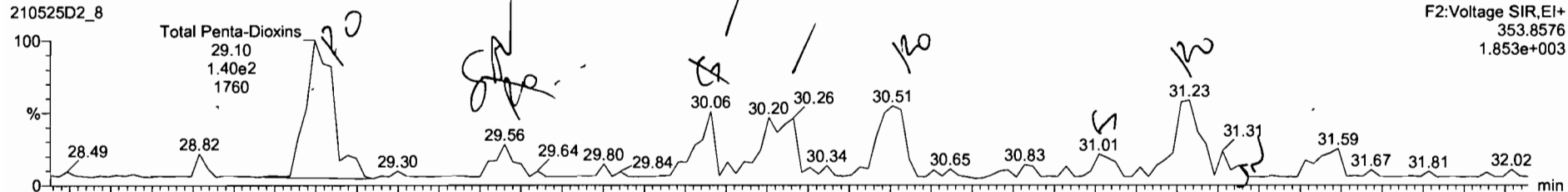


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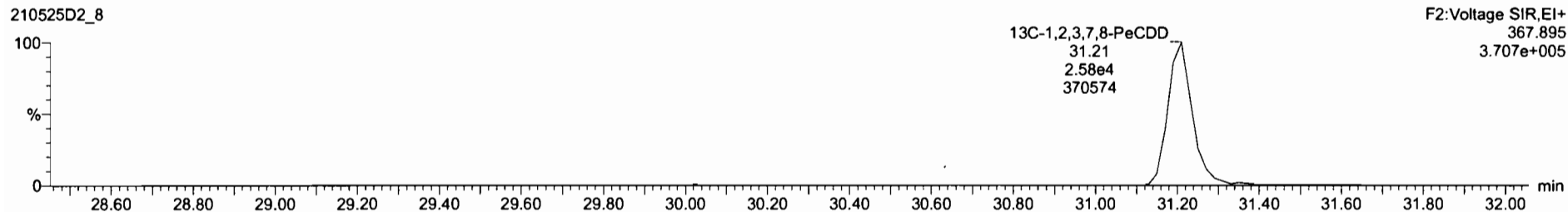
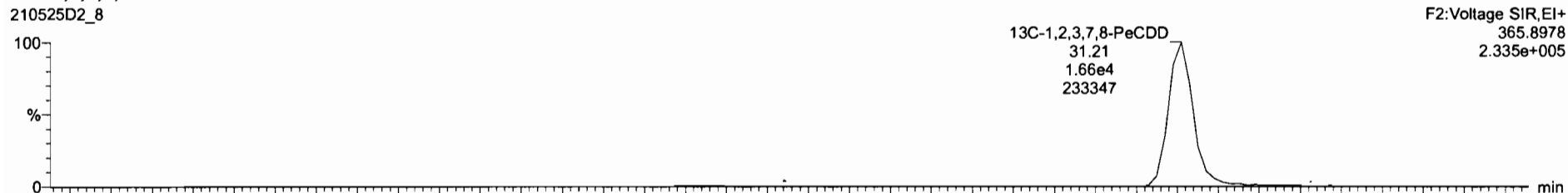
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1,2,3,7,8-PeCDD

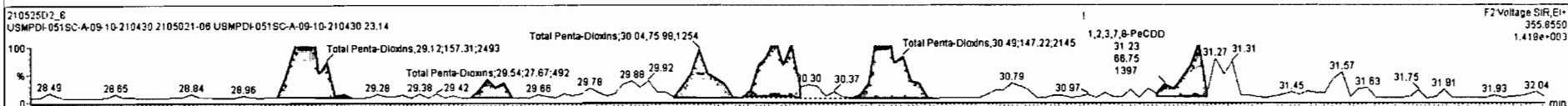
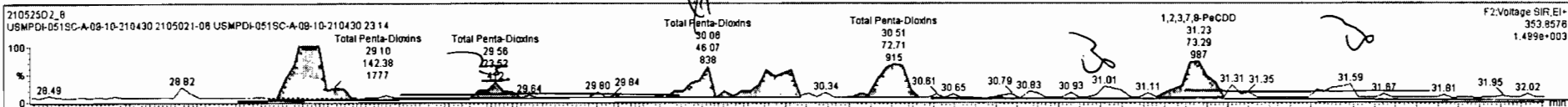


13C-1,2,3,7,8-PeCDD



Name	Resp	RA	n/y	RRF	wtAvl	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.86	10.026			1.67	0.836	4.86	
41 Total Hexa-Dioxins				1.01	10.026			13.7	1.54	30.6	
42 Total Hepta-Dioxins				1.07	10.026			246	5.34	246	
43 Total Tetra-Furans				0.86	10.026			23.5	0.419	23.5	
44 1st Func. Penta-Furans				0.95	10.026			7.92	0.114	7.92	
45 Total Penta-Furans				0.95	10.026			13.4	0.580	21.0	
46 Total Hexa-Furans				1.12	10.026			42.9	0.622	44.2	
47 Total Hepta-Furans				1.16	10.026			76.1	1.01	76.1	
48 PPK1											

Name	RT ± z	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.10	1.424e2	1.573e2	0.91	YES	1.3682	0.00000
2 Total Penta-Dioxins	29.56	2.352e1	2.767e1	0.85	YES	0.24064	0.00000
3 Total Penta-Dioxins	30.06	4.607e1	7.596e1	0.61	NO	0.65121	0.65121
4 Total Penta-Dioxins	30.20	6.990e1	1.210e2	0.58	NO	1.0190	1.0190
5 Total Penta-Dioxins	30.51	7.271e1	1.472e2	0.49	YES	1.0038	0.00000
6 1,2,3,7,8-PeCDD	31.23	7.329e1	6.875e1	1.10	YES	0.58055	0.00000

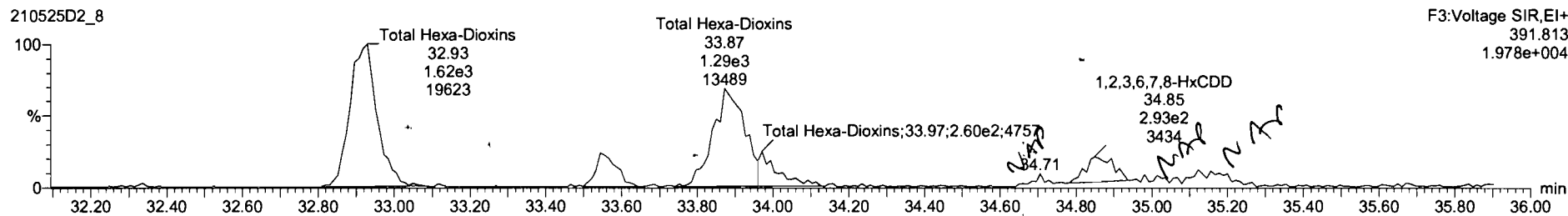
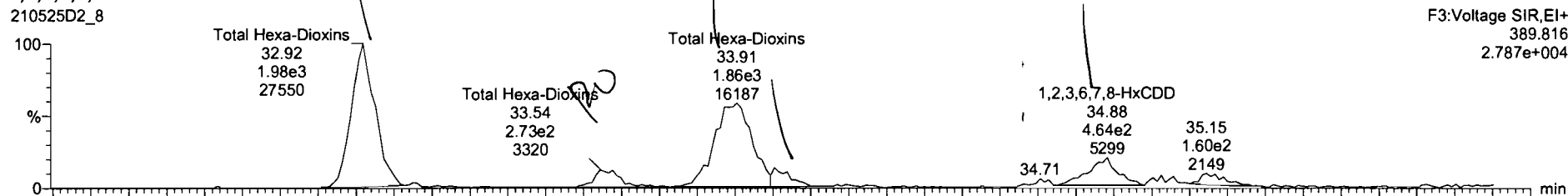


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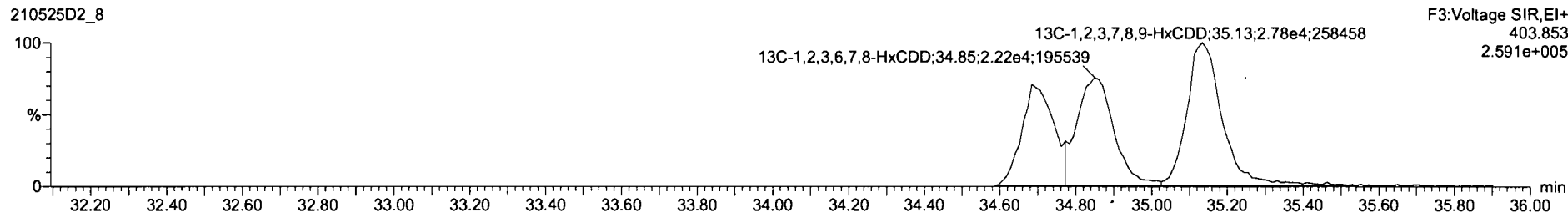
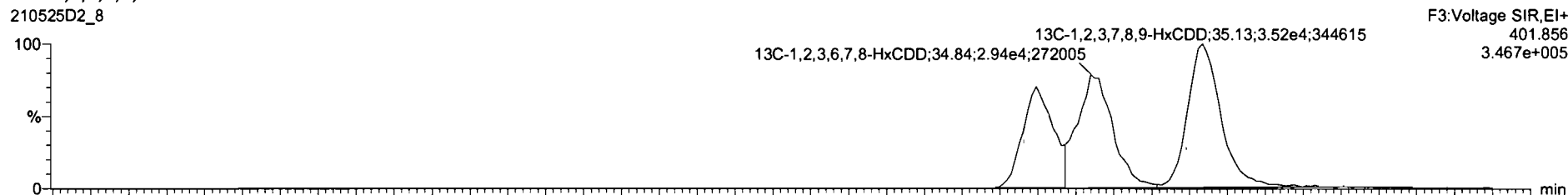
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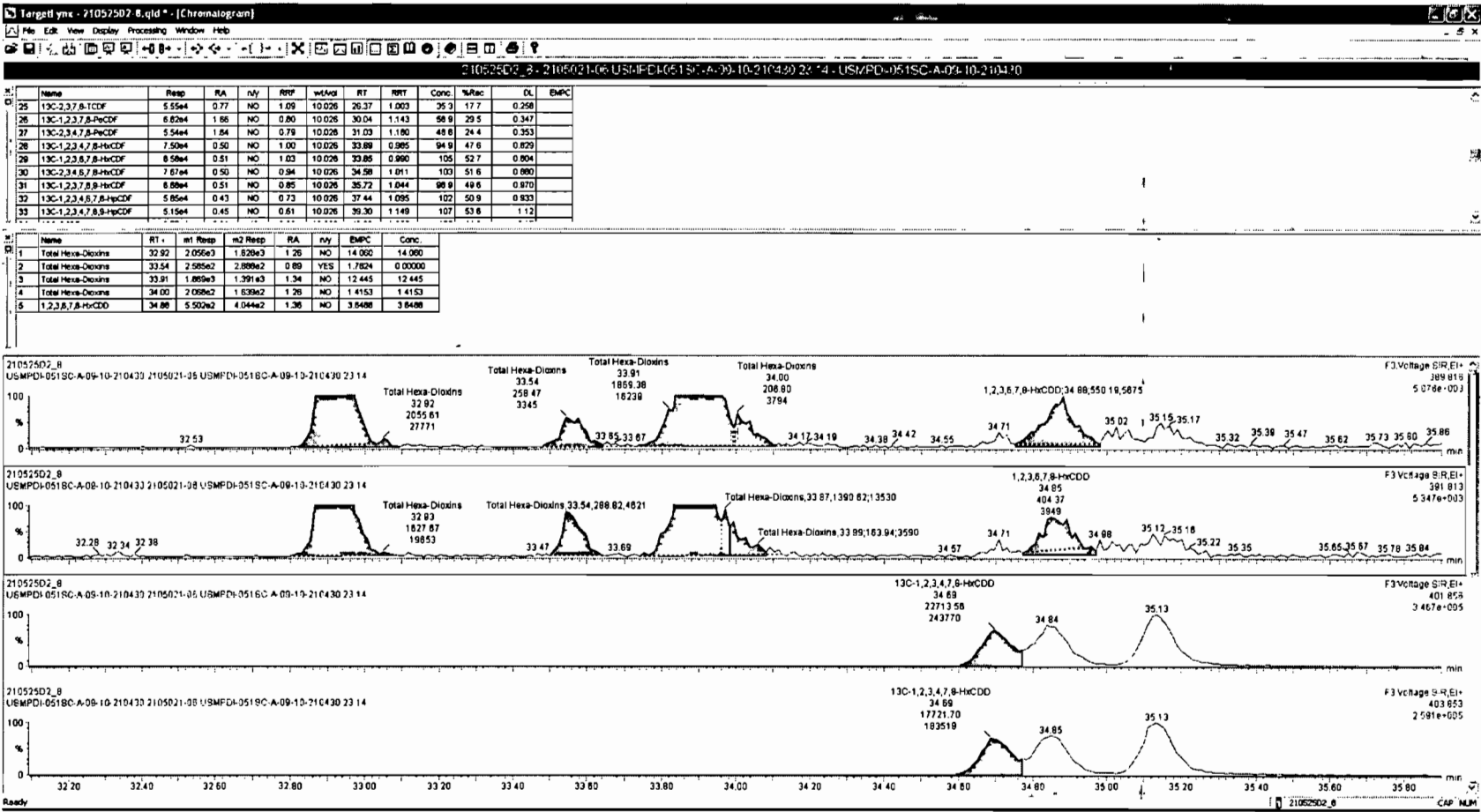
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1,2,3,4,7,8-HxCDD



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





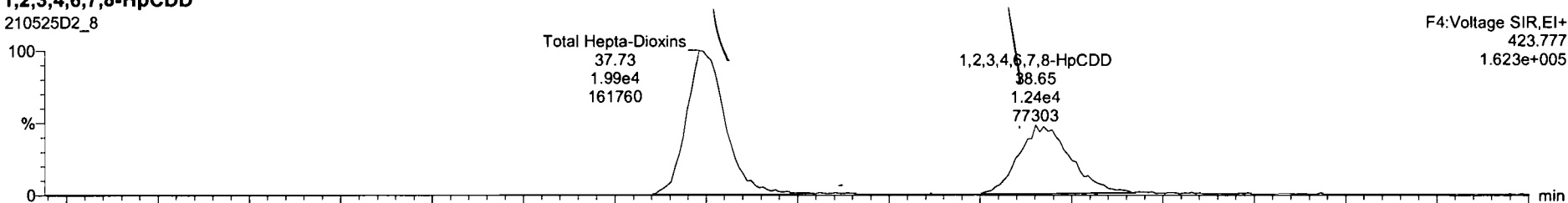
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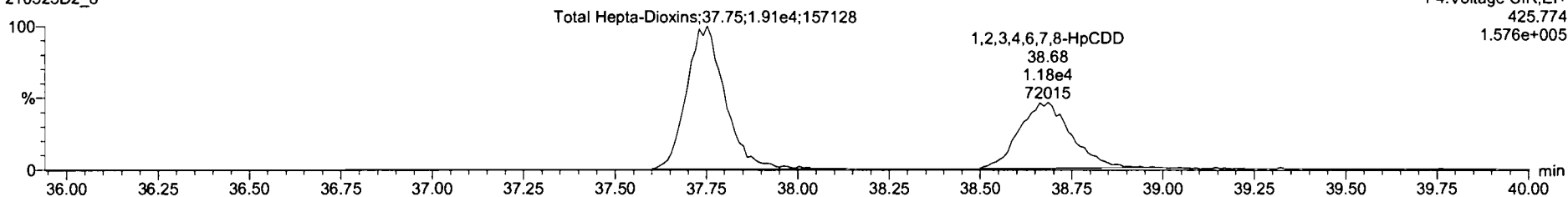
1,2,3,4,6,7,8-HpCDD

210525D2_8



F4:Voltage SIR,EI+
423.777
1.623e+005

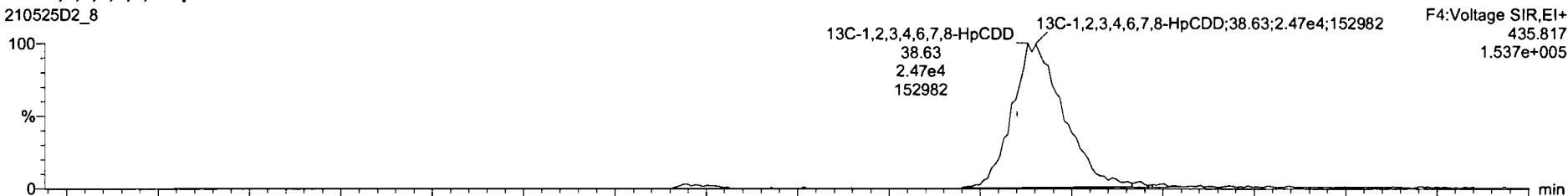
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F4:Voltage SIR,EI+
425.774
1.576e+005

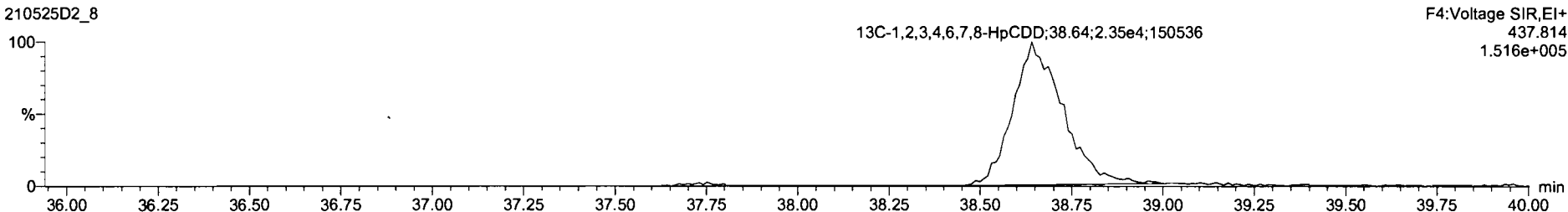
13C-1,2,3,4,6,7,8-HpCDD

210525D2_8



F4:Voltage SIR,EI+
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1.537e+005

210525D2_8

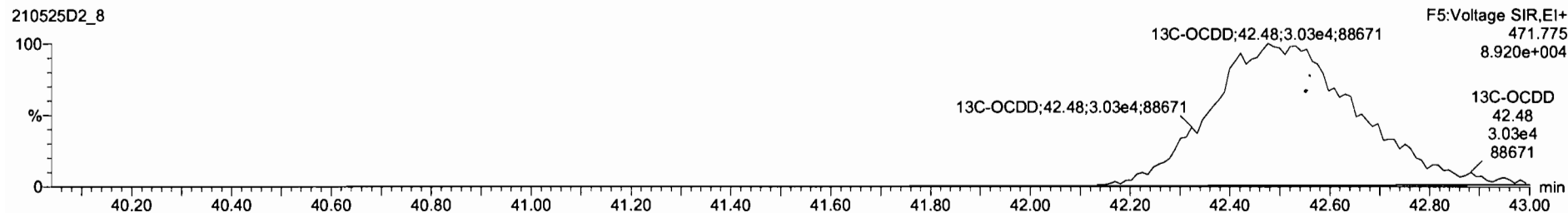
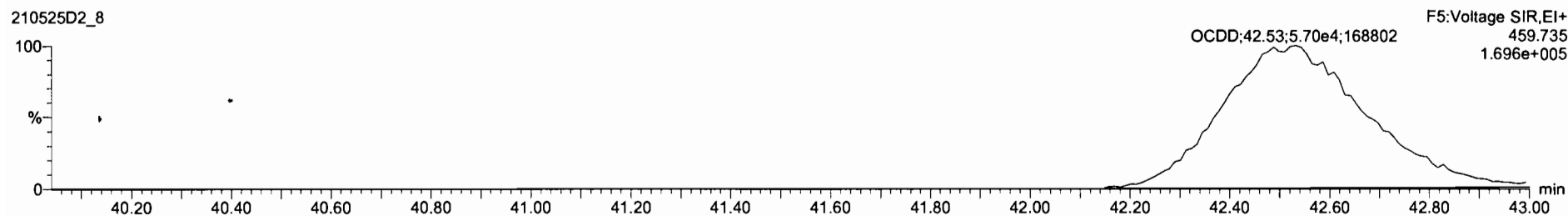
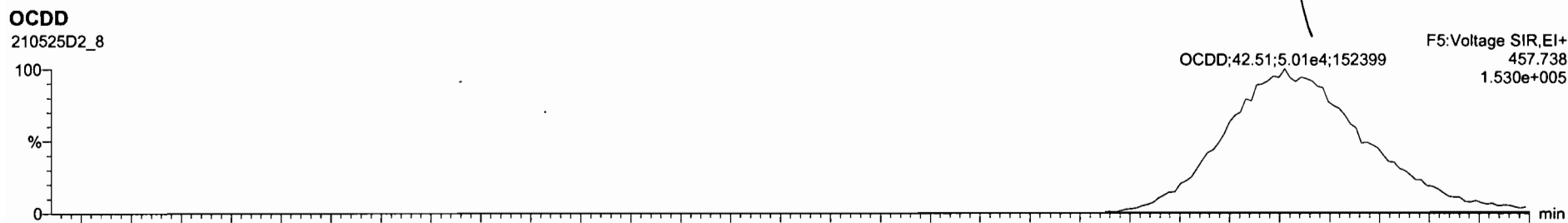


F4:Voltage SIR,EI+
437.814
1.516e+005

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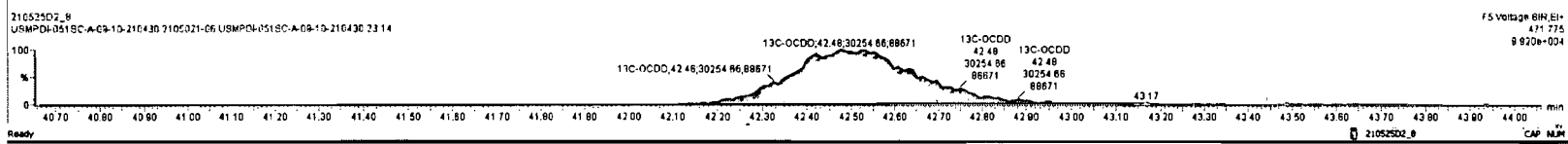
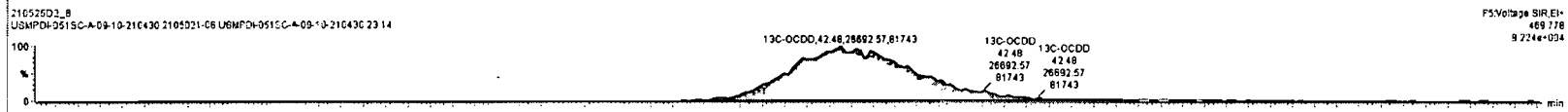
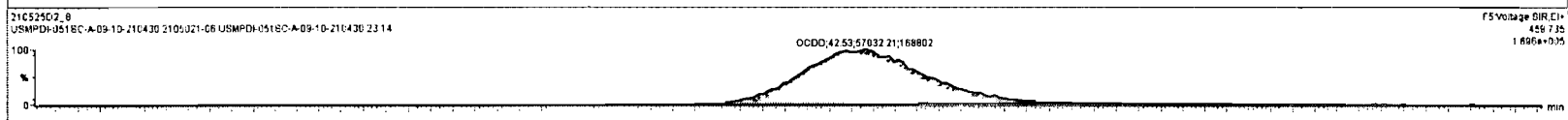
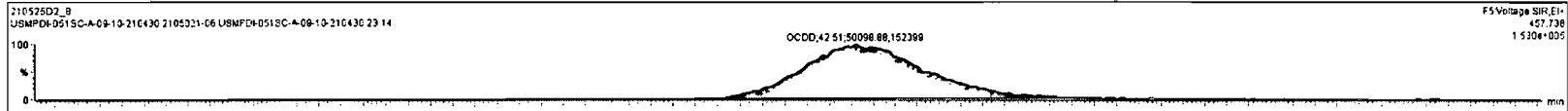
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#	Name	Resp	RA	nV	RRV	wtAvd	RT	RRT	Conc	Subst	DL	EMPC
5	1,2,3,7,8-HxCDD			NO	1.02	10.026					1.35	
6	1,2,3,4,6,7,8-HxCDD	2.43e4	1.05	NO	1.07	10.026	38.85	1.001	94.3		5.34	94.3
7	OCDD	1.67e5	0.89	NO	1.00	10.026	42.51	1.001	748		7.20	749
8	2,3,7,8-TCDF	1.21e3	0.81	NO	0.86	10.026	26.39	1.001	5.04		0.419	5.04
9	1,2,3,7,8-PeCDF	1.76e3	1.88	NO	0.85	10.026	30.08	1.001	5.44		0.501	5.44
10	2,3,4,7,8-PeCDF	1.43e3	1.35	NO	1.04	10.026	31.03	1.000	4.95		0.578	4.95
11	1,2,3,4,7,8-HxCDF	3.63e3	1.29	NO	1.04	10.026	33.71	1.001	7.70		0.583	7.70
12	1,2,3,6,7,8-HxCDF	9.79e2	1.17	NO	1.07	10.026	33.86	1.000	2.12		0.596	2.12
13	2,3,4,6,7,8-HxCDF	6.42e2	1.59	YES	1.12	10.026	34.82	1.001	1.50		0.822	1.29

#	Name	RT	int Resp	int Resp	RA	nV	EMPC	Conc
1								

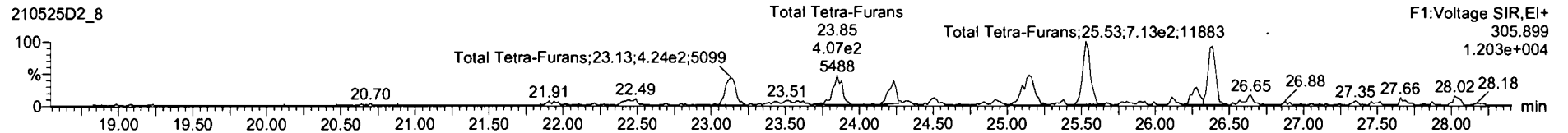
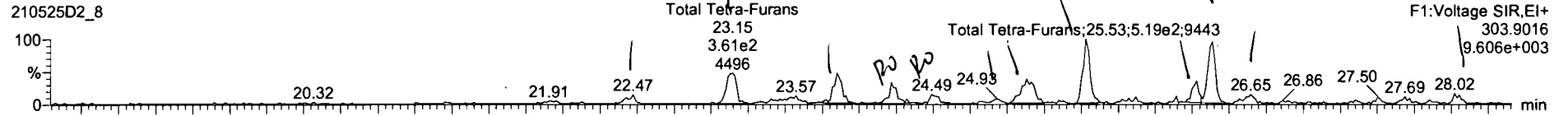


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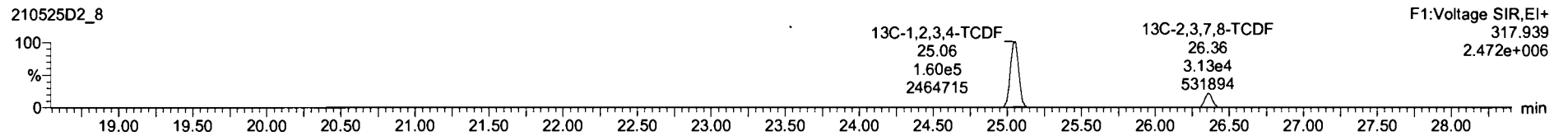
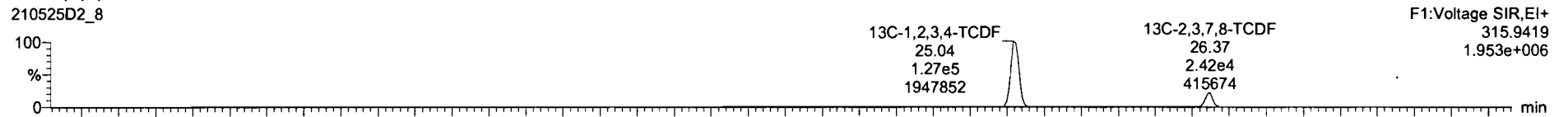
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Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430

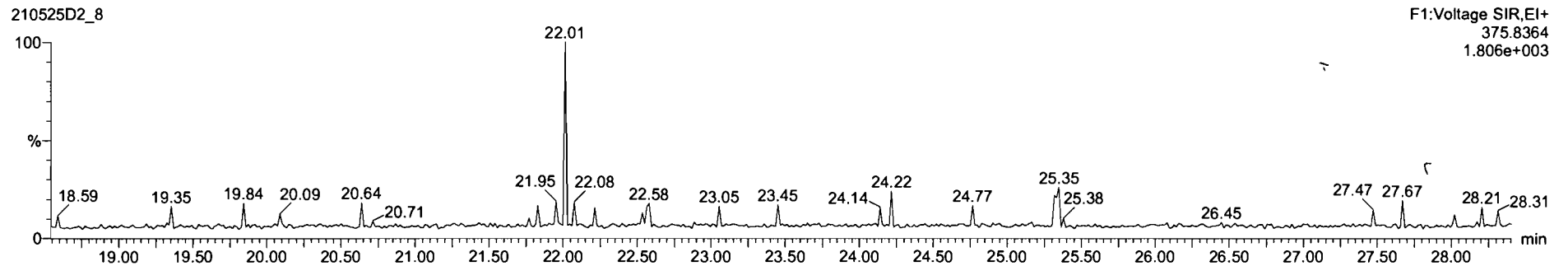
2,3,7,8-TCDF



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



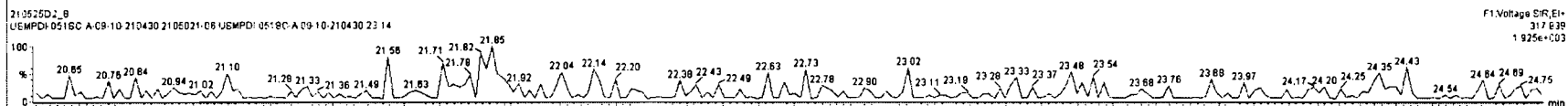
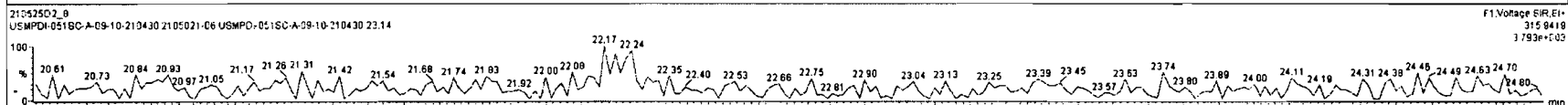
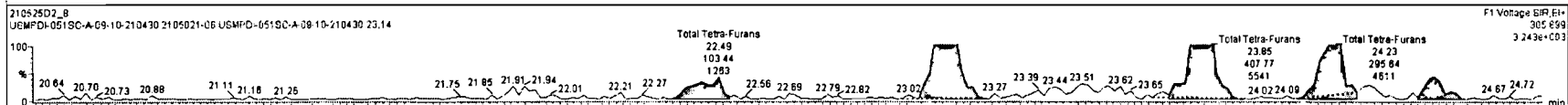
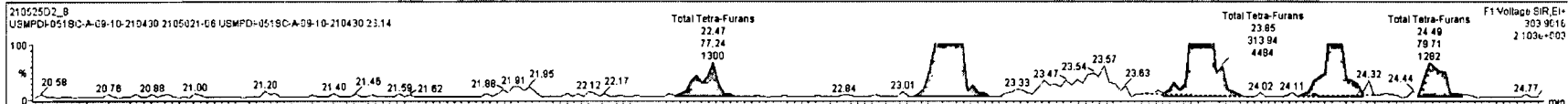
DPE1



210525D2_8 - 2105021-06 USMPD-051SC-A-09-10-210430 23.14 - USMPD-051SC-A-09-10-210430

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.026			248	5.34	248	
43 Total Tetra-Furans				0.86	10.026			24.8	0.419	28.9	
44 1st Func. Penta-Furans				0.95	10.026			7.92	0.114	7.92	
45 Total Penta-Furans				0.95	10.026			13.4	0.560	21.0	
46 Total Hexa-Furans				1.12	10.026			42.9	0.622	44.2	
47 Total Hepta-Furans				1.16	10.026			76.1	1.01	76.1	
48 PPK1											
49 PPK2											
50 PPK3											

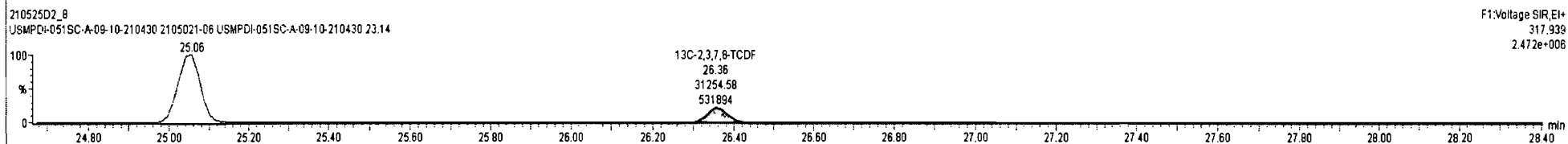
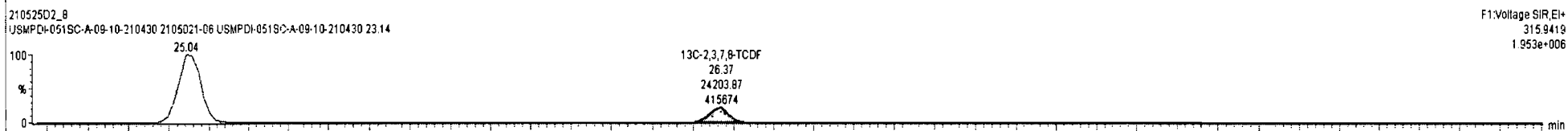
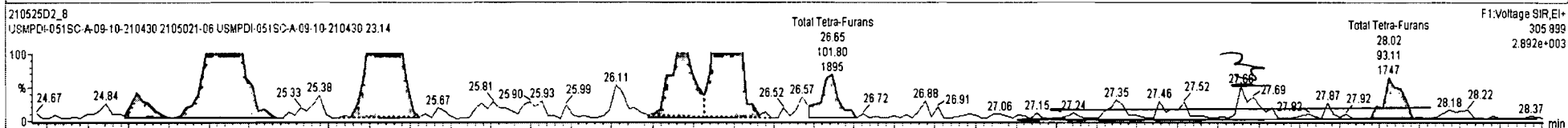
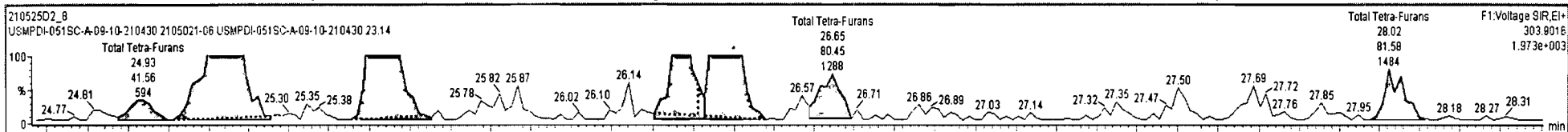
Name	RT	ml Resp	ml2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	22.47	7.724e1	1.034e2	0.75	NO	0.75244	0.75244
2 Total Tetra-Furans	23.15	3.602e2	4.223e3	0.85	NO	3.2616	3.2616
3 Total Tetra-Furans	23.85	3.126e2	4.078e3	0.77	NO	3.0055	3.0055
4 Total Tetra-Furans	24.22	1.869e2	2.956e2	0.63	YES	1.7887	0.00000
5 Total Tetra-Furans	24.49	7.971e1	8.017e1	0.99	YES	0.58094	0.00000
6 Total Tetra-Furans	24.83	4.156e1	5.470e1	0.76	NO	0.40088	0.40088
7 Total Tetra-Furans	25.13	3.691e2	5.195e2	0.71	NO	3.7005	3.7005
8 Total Tetra-Furans	25.53	5.315e2	7.167e2	0.74	NO	5.1980	5.1980



210525D2_8 - 2105021-06 USMPDI-051SC-A-09-10-210430 23.14 - USMPDI-051SC-A-09-10-210430

Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.07	10.026			246		5.34	246
43 Total Tetra-Furans				0.88	10.026			24.6		0.419	26.9
44 1st Func. Pento-Furans				0.95	10.026			7.92		0.114	7.92
45 Total Pento-Furans				0.95	10.026			13.4		0.560	21.0
46 Total Hexa-Furans				1.12	10.026			42.9		0.622	44.2
47 Total Hepta-Furans				1.16	10.026			76.1		1.01	76.1
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	22.47	7.724e1	1.034e2	0.75	NO	0.75244	0.75244
2 Total Tetra-Furans	23.15	3.609e2	4.223e2	0.85	NO	3.2616	3.2616
3 Total Tetra-Furans	23.85	3.139e2	4.078e2	0.77	NO	3.0055	3.0055
4 Total Tetra-Furans	24.22	1.869e2	2.956e2	0.63	YES	1.7887	0.00000
5 Total Tetra-Furans	24.49	7.971e1	8.017e1	0.99	YES	0.59094	0.00000
6 Total Tetra-Furans	24.93	4.156e1	5.470e1	0.76	NO	0.40088	0.40088
7 Total Tetra-Furans	25.13	3.691e2	5.195e2	0.71	NO	3.7005	3.7005
8 Total Tetra-Furans	25.53	5.315e2	7.167e2	0.74	NO	5.1980	5.1980



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-8.qld

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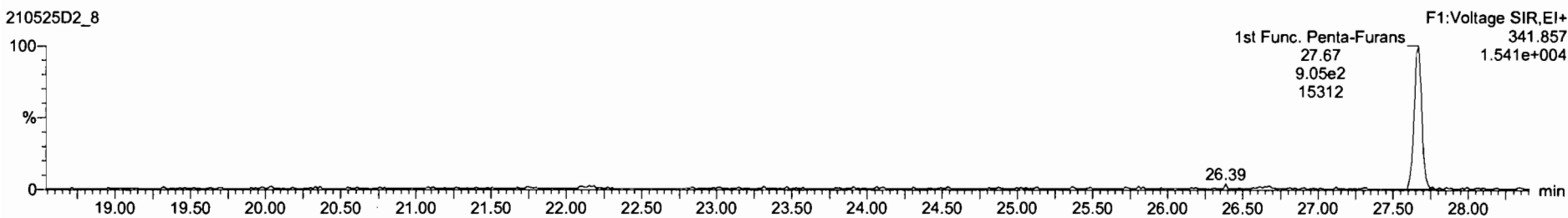
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1st Func. Penta-Furans

210525D2_8

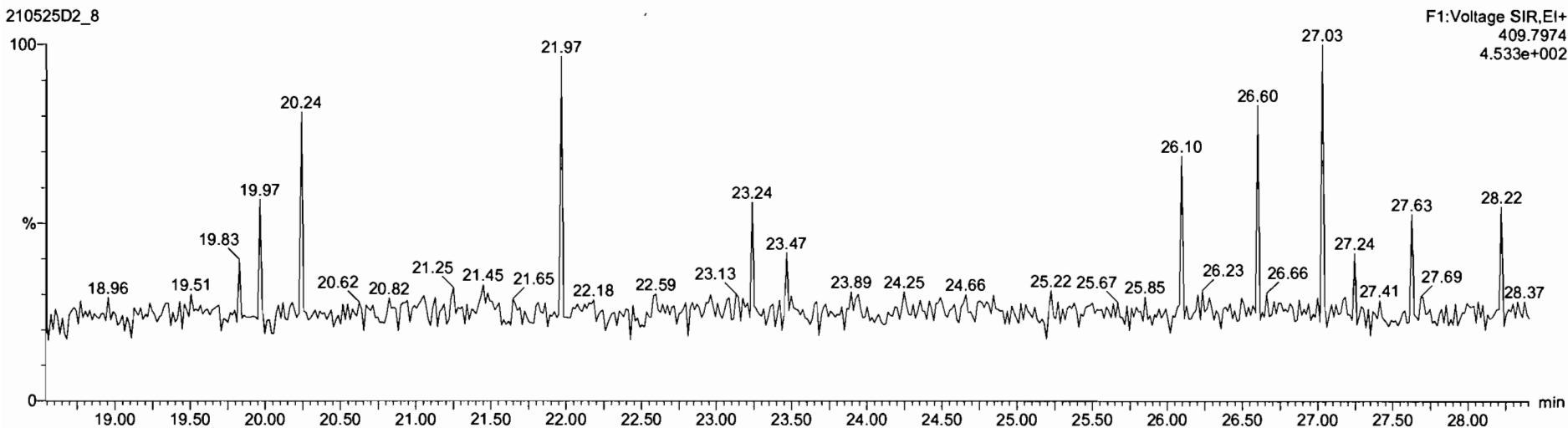


210525D2_8



DPE6

210525D2_8



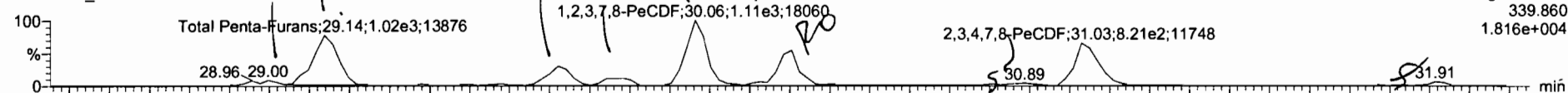
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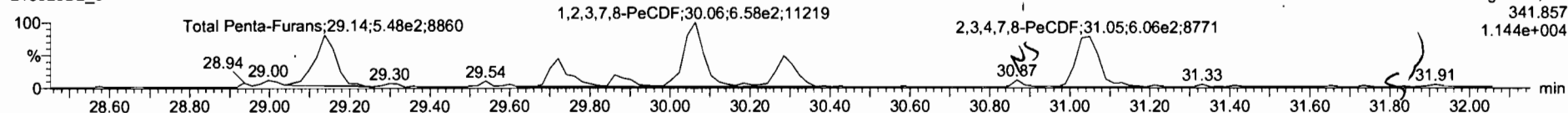
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1,2,3,7,8-PeCDF

210525D2_8

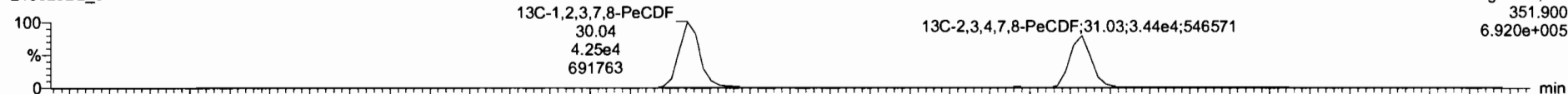


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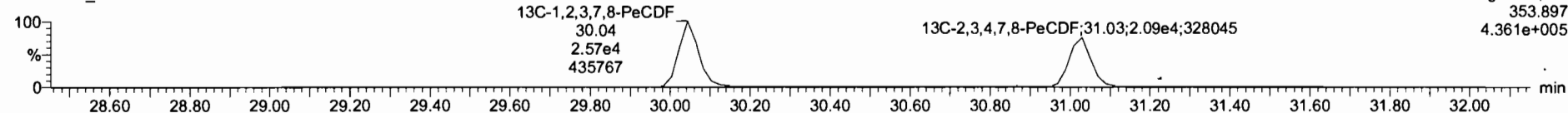


13C-1,2,3,7,8-PeCDF

210525D2_8

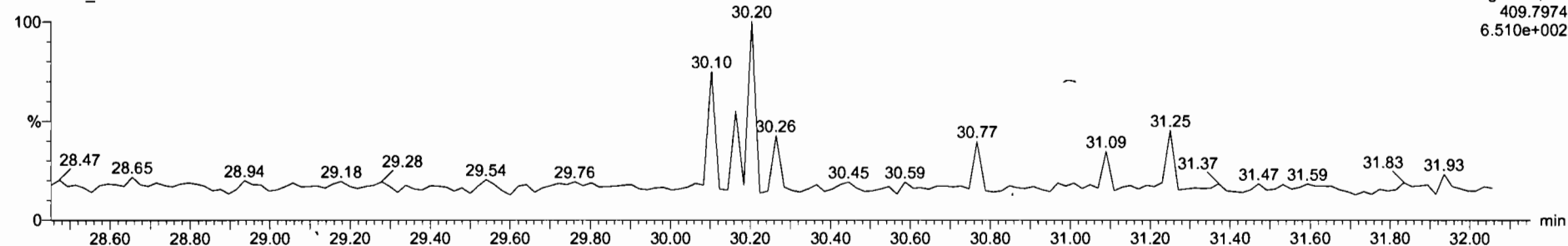


210525D2_8



DPE2

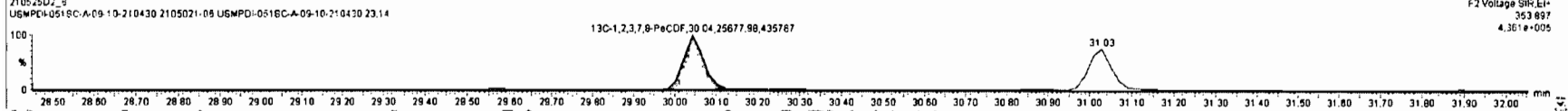
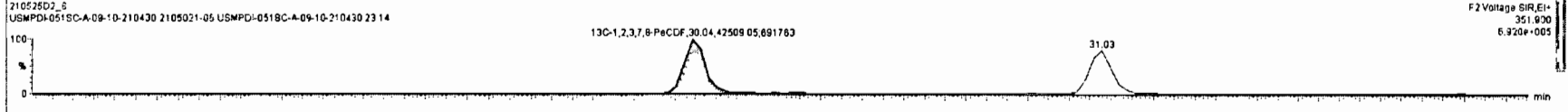
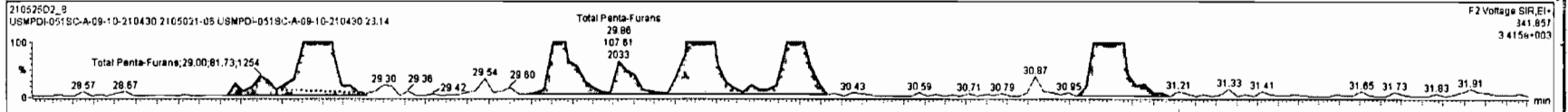
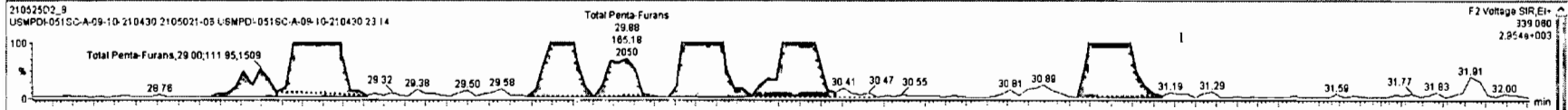
210525D2_8



21052502_8 - 2105021-08 USMPDI-051SC-A-09-10-210430 23.14 - USMPDI-051SC-A-09-10-210430

Name	Resp	RA	nly	RRF	wtAve	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins		1.07	10.026			246		246		5.34	246
43 Total Tetra-Furans				0.86	10.026			24.6		0.419	26.9
44 1st Func. Penta-Furans		0.95	10.026			7.92		7.92		0.114	7.92
45 Total Penta-Furans		0.95	10.026			19.8		19.8		0.580	22.7
46 Total Hexa-Furans		1.12	10.026			42.9		42.9		0.622	44.2
47 Total Hepta-Furans		1.16	10.026			78.1		78.1		1.01	78.1
48 PPK1											
49 PPK2											
50 PPK3											

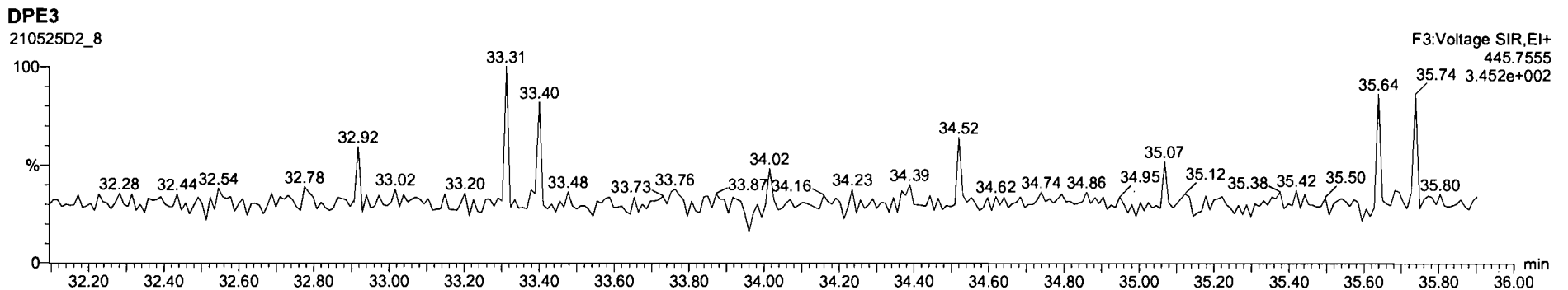
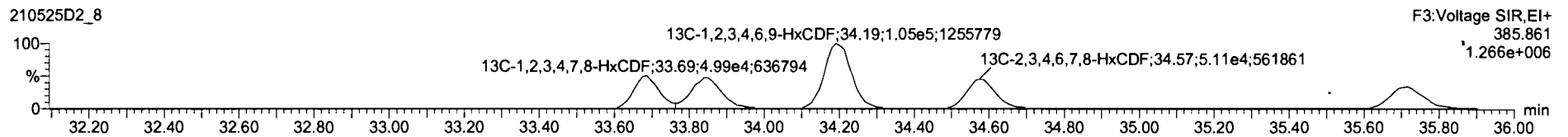
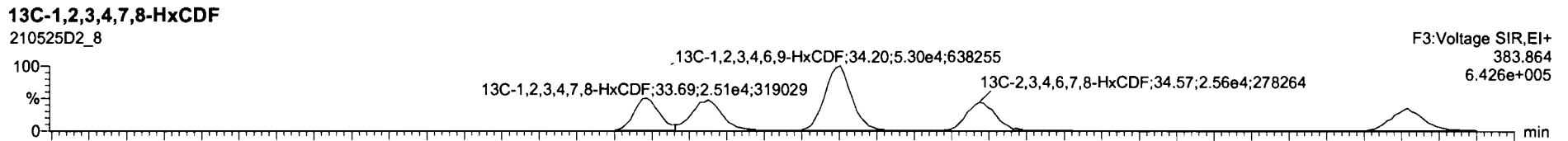
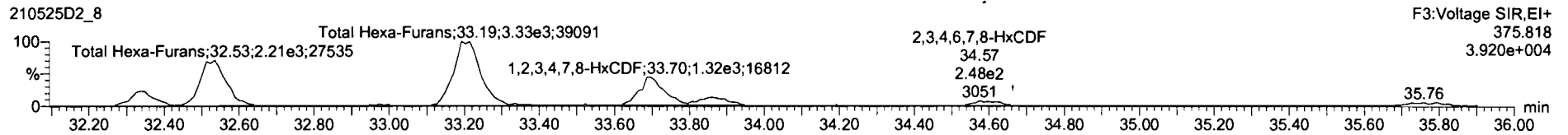
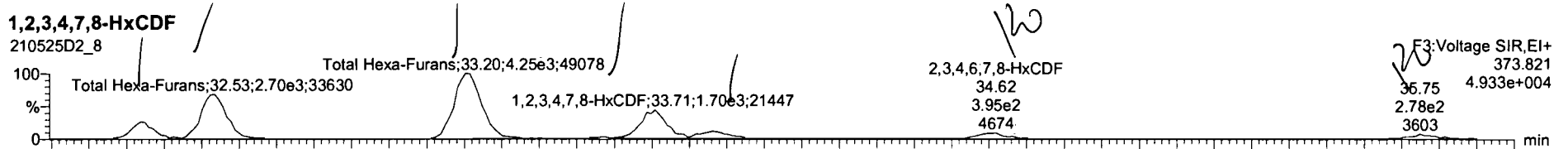
Name	RT	int Resp	nc Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.00	1.120e3	6.173e1	1.37	NO	0.65937	0.65937
2 Total Penta-Furans	29.14	1.090e3	6.078e2	1.74	NO	5.6777	5.6777
3 Total Penta-Furans	29.72	3.610e2	2.850e2	1.34	NO	2.1450	2.1450
4 Total Penta-Furans	29.80	1.653e2	1.078e2	1.53	NO	0.92873	0.92873
5 1,2,3,7,8-PeCDF	30.06	1.106e3	6.580e2	1.68	NO	5.4415	5.4415
6 Total Penta-Furans	30.30	8.278e2	3.274e2	1.92	YES	2.8420	0.00000
7 2,3,4,7,8-PeCDF	31.03	6.300e2	6.063e2	1.37	NO	4.9864	4.9864



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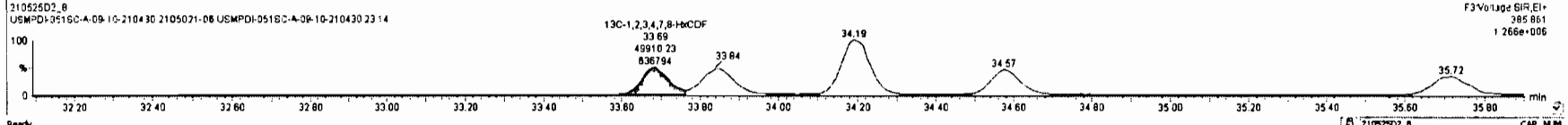
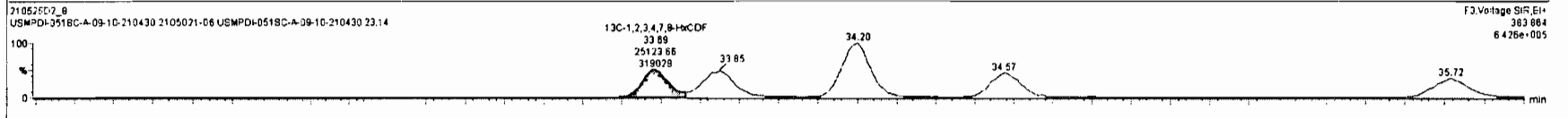
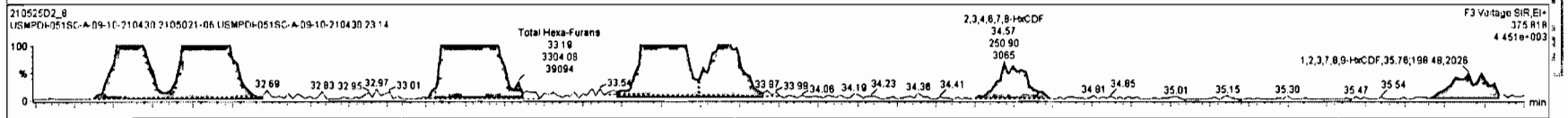
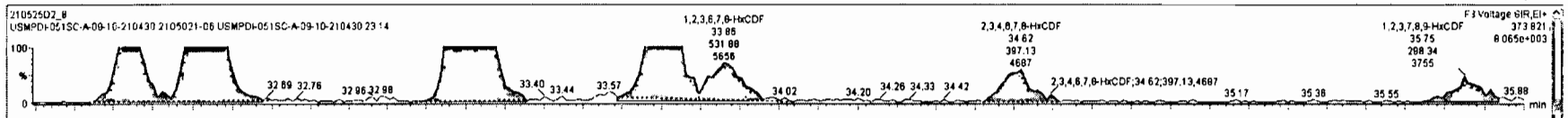
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Name	Resp	RA	nly	RNF	wAval	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Oxins								246		5.34	246
43 Total Tetra-Furans								24.6		0.419	26.9
44 1st Func. Penta-Furans								7.82		0.114	7.82
46 Total Penta-Furans								19.8		0.560	22.7
48 Total Hexa-Furans								43.5		0.822	46.0
47 Total Hepta-Furans								78.1		1.01	78.1
48 PPK1											
49 PPK2											
50 PPK3											

Name	RT	Int Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.34	9.547e2	6.719e2	1.42	NO	3.8181	3.8181
2 Total Hexa-Furans	32.53	2.737e3	2.243e3	1.22	NO	11.881	11.881
3 Total Hexa-Furans	33.20	4.285e3	3.304e3	1.30	NO	17.815	17.815
4 1,2,3,4,7,8-HxCDF	33.71	1.789e3	1.345e3	1.33	NO	7.9873	7.9873
5 1,2,3,6,7,8-HxCDF	33.86	5.319e2	4.862e2	1.17	NO	2.1387	2.1387
6 2,3,4,6,7,8-HxCDF	34.82	3.971e2	2.508e2	1.58	YES	1.3091	0.00000
7 1,2,3,7,8,9-HxCDF	35.75	2.983e2	1.985e2	1.50	YES	1.2079	0.00000



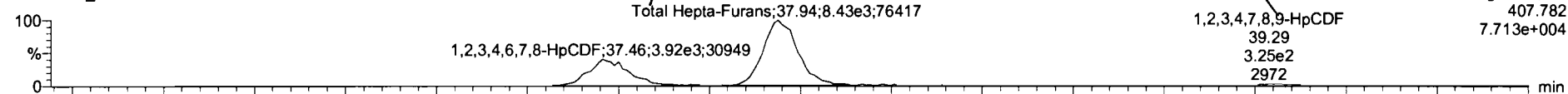
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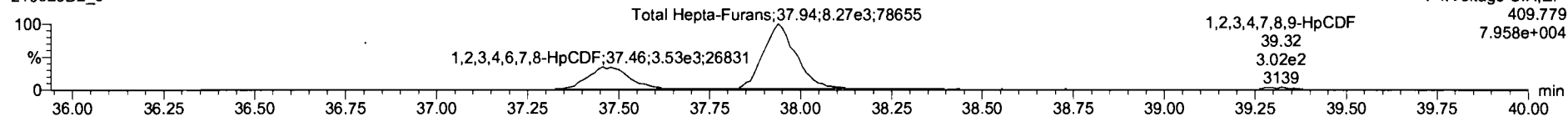
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1,2,3,4,6,7,8-HpCDF

210525D2_8

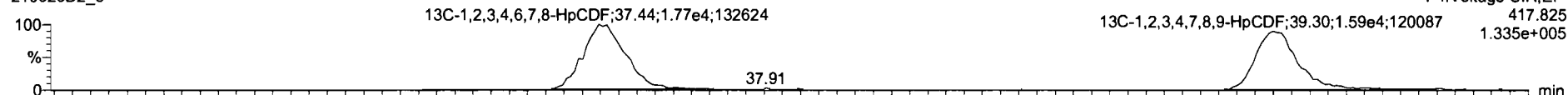


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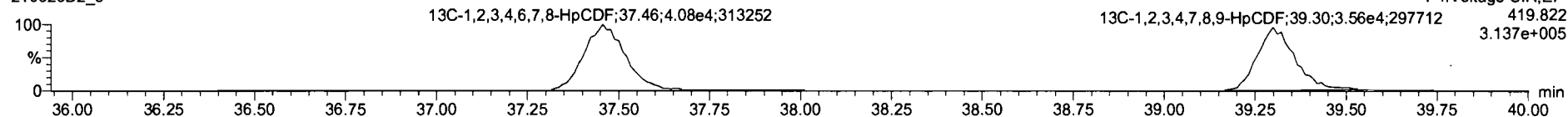


13C-1,2,3,4,6,7,8-HpCDF

210525D2_8

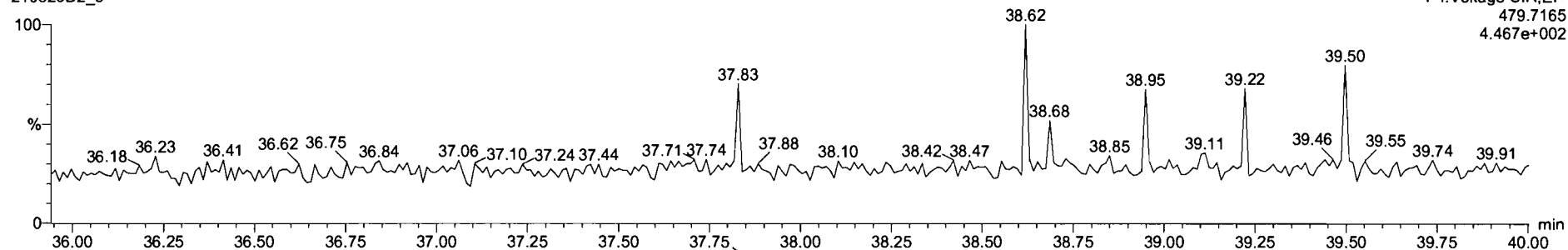


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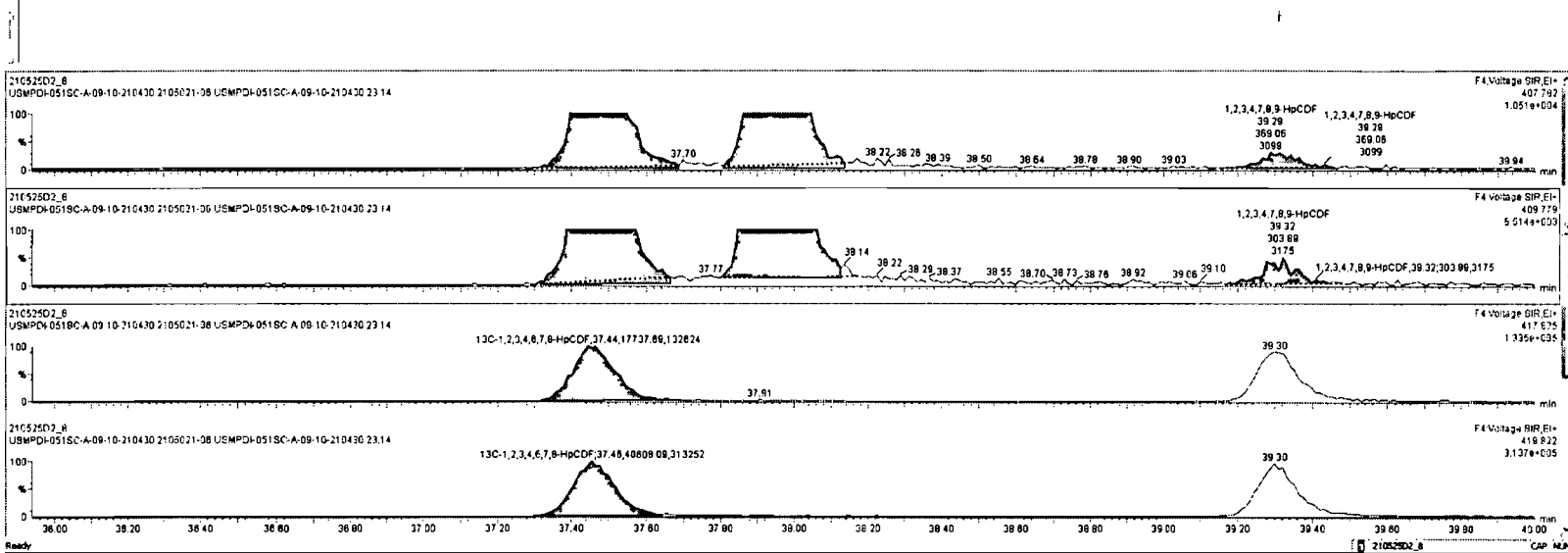
DPE4

210525D2_8



Name	Resp	RA	nV	RRF	wtWtd	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Chlorins				1.07	10.026			246		5.34	246
43 Total Tetra-Furans				0.96	10.026			24.6		0.419	26.9
44 1st Func. Penta-Furans				0.95	10.026			7.82		0.114	7.82
45 Total Penta-Furans				0.95	10.026			19.8		0.560	22.7
46 Total Hexa-Furans				1.12	10.026			43.5		0.822	46.0
47 Total Hepta-Furans				1.18	10.026			75.3		1.01	77.3
48 PFK1											
49 PFK2											
50 PFK3											

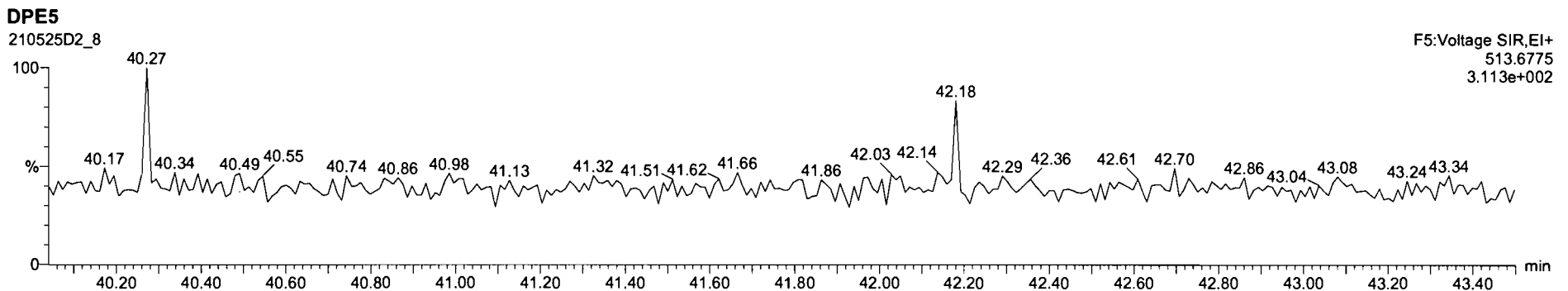
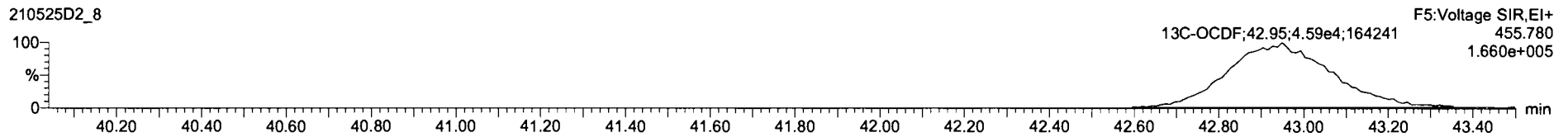
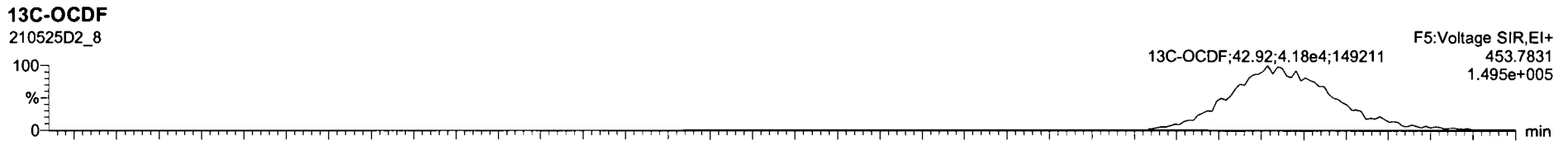
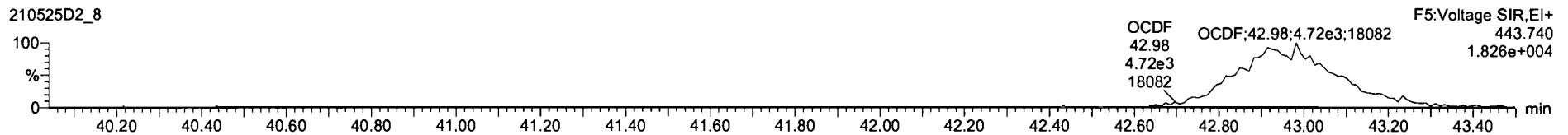
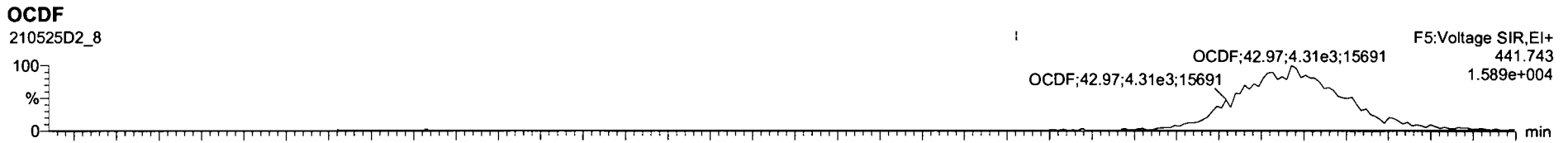
Name	RT	nt Resp	nc Resp	RA	nV	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDF	37.46	4.017e3	3.650e3	1.10	NO	22.574	22.574
2 Total Hepta-Furans	37.94	8.619e3	8.263e3	1.04	NO	52.736	52.736
3 1,2,3,4,7,8,9-HpCDF	39.29	3.091e2	3.039e2	1.21	YES	2.0212	0.00000



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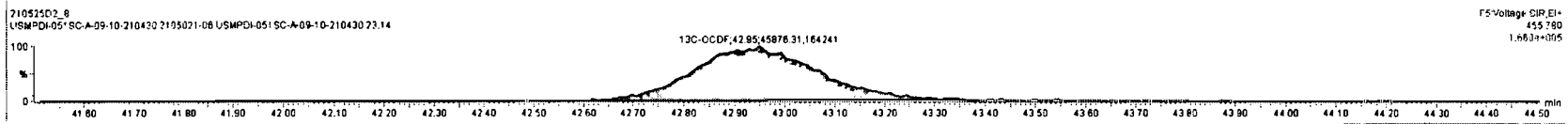
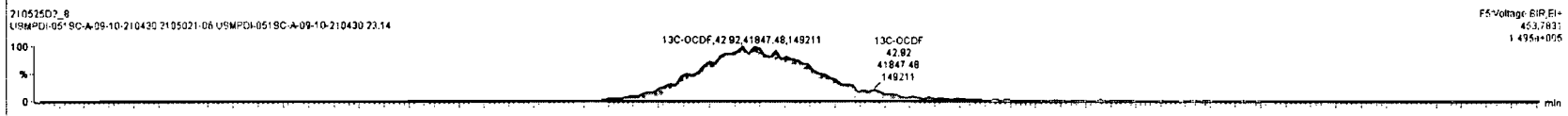
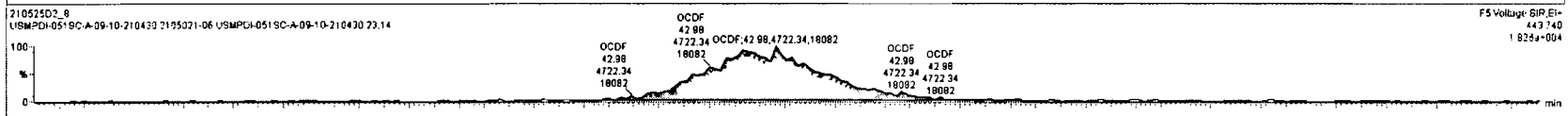
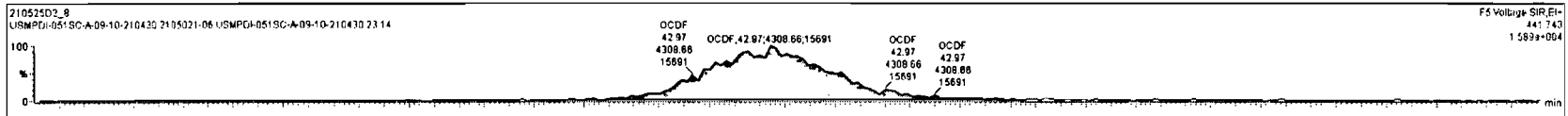
Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430



21052502_8 - 2105021-06 USMPDI-051SC-A-09-10-210430 23 14 - USMPDI-051SC-A-09-10-210430

Name	Resp	RA	n/y	RPY	wt/wt	RT	PRT	Conc	%Rec	DL	EhPC
10 2,3,4,7,8-PeCDF	1.43e3	1.35	NO	1.04	10.026	31.03	1.000	4.95		0.578	4.96
11 1,2,3,4,7,8-HxCDF	3.02e3	1.29	NO	1.04	10.026	33.71	1.001	7.70		0.583	7.70
12 1,2,3,6,7,8-HxCDF	9.78e2	1.17	NO	1.07	10.026	33.86	1.000	2.12		0.595	2.12
13 2,3,4,6,7,8-HxCDF	6.42e2	1.58	YES	1.12	10.026	34.62	1.001	1.50		0.622	1.29
14 1,2,3,7,8-HxCDF			NO	1.10	10.026					0.785	
15 1,2,3,4,6,7,8-HxCDF	7.45e3	1.11	NO	1.16	10.026	37.46	1.000	21.9		0.952	21.9
16 1,2,3,4,7,8-HxCDF	6.27e2	1.08	NO	1.19	10.026	38.29	1.000	2.04		1.05	2.04
17 OCDF	9.02e3	0.91	NO	0.91	10.026	42.97	1.001	45.2		5.46	45.2
18 13C-2,3,7,8-TCDF	3.33e4	0.80	NO	1.15	10.026	26.94	1.024	41.5	20.8	0.194	

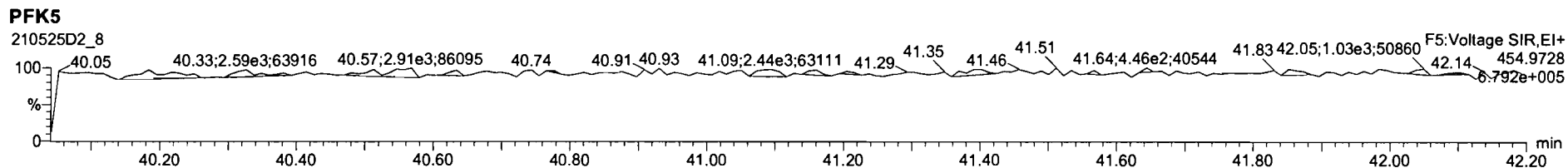
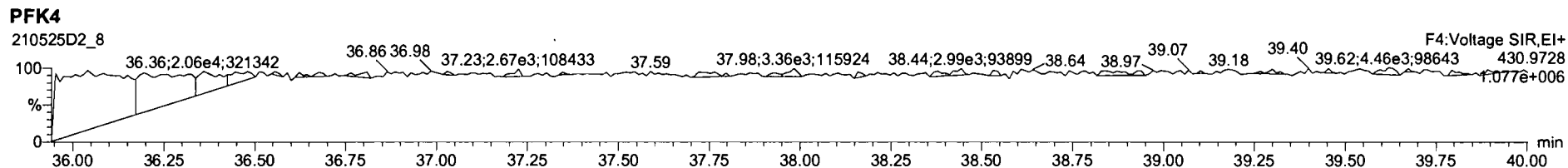
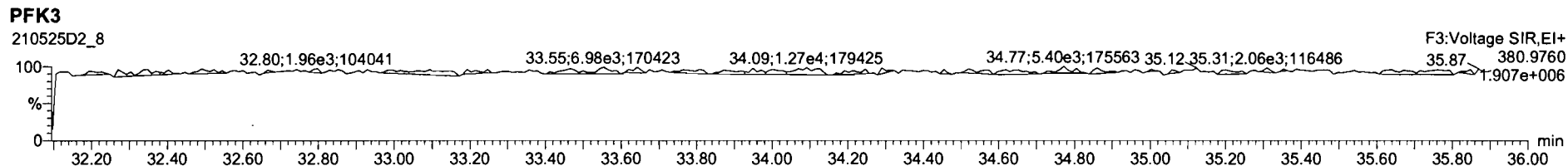
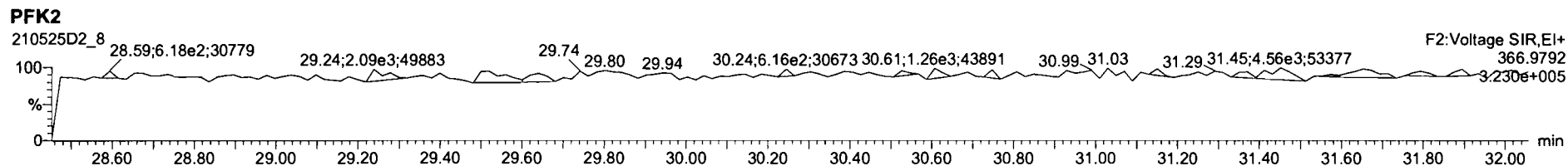
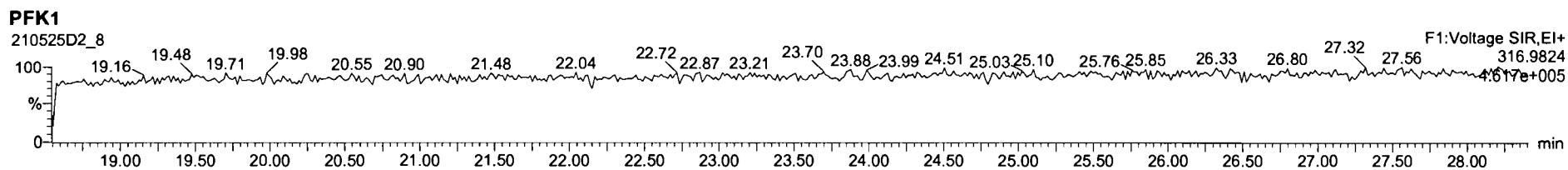
Name	RT	m1 Resp	m2 Resp	RA	n/y	EhPC	Conc.



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-8.qld

Last Altered: Wednesday, May 26, 2021 12:25:18 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:25:37 Pacific Daylight Time

Name: 210525D2_8, Date: 25-May-2021, Time: 16:46:21, ID: 2105021-06 USMPDI-051SC-A-09-10-210430 23.14, Description: USMPDI-051SC-A-09-10-210430



Dataset: U:\VG12.PRO\Results\210609R1\210609R1_12.qld

Last Altered: Friday, June 18, 2021 12:39:22 PM Pacific Daylight Time
 Printed: Friday, June 18, 2021 12:39:56 PM Pacific Daylight Time

D#06/18/21
0706/18/2021

Method: Untitled 27 Apr 2021 17:33:38
 Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430, Task: ST210609R1

10.23987 F06/18/21

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	6.18e2	0.68	NO	0.929	10.129	26.70	1.002	0.61484		0.160	0.615
2	1,2,3,7,8-PeCDD	5.01e2	0.80	YES	0.826	10.129	31.12	1.000	1.0280		0.282	0.925
3	1,2,3,4,7,8-HxCDD	5.19e2	1.17	NO	0.972	10.129	34.48	1.001	1.6967		1.02	1.70
4	1,2,3,6,7,8-HxCDD	2.58e3	1.33	NO	0.877	10.129	34.60	1.001	8.1020		0.962	8.10
5	1,2,3,7,8,9-HxCDD	9.57e2	1.15	NO	0.874	10.129	34.90	1.001	3.3304		1.05	3.33
6	1,2,3,4,6,7,8-HpCDD	3.63e4	1.00	NO	0.899	10.129	38.27	1.001	301.43		2.66	301
7	OCDD	4.42e4	0.85	NO	0.852	10.129	41.34	1.000	1704.2		13.5	1700
8	2,3,7,8-TCDF	1.30e4	0.73	NO	0.747	10.129	26.05	1.001	13.182		0.274	13.2
9	1,2,3,7,8-PeCDF	8.51e3	1.72	NO	0.877	10.129	29.93	1.001	10.634		0.334	10.6
10	2,3,4,7,8-PeCDF	7.26e3	1.55	NO	0.962	10.129	30.95	1.001	9.8793		0.347	9.88
11	1,2,3,4,7,8-HxCDF	7.64e3	1.17	NO	0.920	10.129	33.53	1.000	17.050		0.428	17.1
12	1,2,3,6,7,8-HxCDF	2.20e3	1.08	NO	0.936	10.129	33.67	1.000	4.6427		0.439	4.64
13	2,3,4,6,7,8-HxCDF	1.29e3	1.11	NO	0.973	10.129	34.37	1.001	3.9837		0.645	3.98
14	1,2,3,7,8,9-HxCDF			NO	0.940	10.129					0.664	
15	1,2,3,4,6,7,8-HpCDF	1.08e4	1.06	NO	1.05	10.129	37.07	1.001	52.647		0.594	52.6
16	1,2,3,4,7,8,9-HpCDF	6.29e2	1.13	NO	1.05	10.129	38.93	1.000	3.9265		0.783	3.93
17	OCDF	4.83e3	0.85	NO	0.771	10.129	41.66	1.000	104.27		2.15	104
18	13C-2,3,7,8-TCDD	2.11e5	0.76	NO	1.10	10.129	26.65	1.028	124.93	64.0	0.275	
19	13C-1,2,3,7,8-PeCDD	1.16e5	0.60	NO	0.864	10.129	31.10	1.200	87.563	44.8	0.261	
20	13C-1,2,3,4,7,8-HxCDD	6.14e4	1.32	NO	0.746	10.129	34.46	1.014	75.780	38.8	0.466	
21	13C-1,2,3,6,7,8-HxCDD	7.10e4	1.25	NO	0.847	10.129	34.58	1.018	77.109	39.5	0.411	
22	13C-1,2,3,7,8,9-HxCDD	6.42e4	1.22	NO	0.868	10.129	34.87	1.026	68.049	34.8	0.400	
23	13C-1,2,3,4,6,7,8-HpCDD	2.61e4	1.06	NO	0.664	10.129	38.25	1.125	36.223	18.6	0.281	
24	13C-OCDD	1.19e4	0.92	NO	0.561	10.129	41.33	1.216	19.491	4.99	0.269	
25	13C-2,3,7,8-TCDF	2.58e5	0.75	NO	1.09	10.129	26.03	1.004	103.83	53.2	0.543	
26	13C-1,2,3,7,8-PeCDF	1.78e5	1.65	NO	0.809	10.129	29.91	1.154	96.732	49.5	0.443	
27	13C-2,3,4,7,8-PeCDF	1.49e5	1.61	NO	0.803	10.129	30.92	1.193	81.636	41.8	0.446	
28	13C-1,2,3,4,7,8-HxCDF	9.50e4	0.48	NO	1.01	10.129	33.52	0.986	86.483	44.3	0.621	
29	13C-1,2,3,6,7,8-HxCDF	9.86e4	0.48	NO	1.07	10.129	33.66	0.990	84.566	43.3	0.585	
30	13C-2,3,4,6,7,8-HxCDF	6.52e4	0.48	NO	0.910	10.129	34.35	1.011	66.018	33.8	0.691	

Dataset: U:\VG12.PRO\Results\210609R1\210609R1_12.qld

Last Altered: Friday, June 18, 2021 12:39:22 PM Pacific Daylight Time
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Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430, Task: ST210609R1

7/6/18/21

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	6.71e4	0.47	NO	0.828	10.129	35.43	1.043	74.476	38.1	0.759	
32	13C-1,2,3,4,6,7,8-HpCDF	3.83e4	0.43	NO	0.661	10.129	37.05	1.090	53.334	27.3	0.527	
33	13C-1,2,3,4,7,8,9-HpCDF	2.99e4	0.40	NO	0.566	10.129	38.92	1.145	48.706	24.9	0.616	
34	13C-OCDF	2.34e4	0.89	NO	0.663	10.129	41.66	1.226	32.567	8.34	0.375	
35	37Cl-2,3,7,8-TCDD	3.74e4			2.07	10.129	26.68	1.029	11.799	30.2	0.0414	
36	13C-1,2,3,4-TCDD	2.99e5	0.78	NO	1.00	10.129	25.93	1.000	195.27	100	0.303	
37	13C-1,2,3,4-TCDF	4.44e5	0.78	NO	1.00	10.129	24.58	1.000	195.27	100	0.593	
38	13C-1,2,3,4,6,9-HxCDF	2.12e5	0.50	NO	1.00	10.129	33.98	1.000	195.27	100	0.628	
39	Total Tetra-Dioxins				0.929	10.129			6.6516		0.160	7.93
40	Total Penta-Dioxins				0.826	10.129			8.2472		0.282	11.8
41	Total Hexa-Dioxins				0.877	10.129			92.870		1.04	96.0
42	Total Hepta-Dioxins				0.899	10.129			881.62		2.66	882
43	Total Tetra-Furans				0.747	10.129			101.87		0.274	105
44	1st Func. Penta-Furans				0.877	10.129			34.843		0.118	34.8
45	Total Penta-Furans				0.877	10.129			56.674		0.355	58.1
46	Total Hexa-Furans				0.973	10.129			94.120		0.507	94.1
47	Total Hepta-Furans				1.05	10.129			151.11		0.676	151

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Dataset: U:\VG12.PRO\Results\210609R1\210609R1_12.qld

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Method: Untitled 27 Apr 2021 17:33:38

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430, Task: ST210609R1

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	23.19	1.763e4	2.054e4	1.266e3	1.752e3	0.72	NO	3.018e3	3.0014	3.0014	0.160
2	Total Tetra-Dioxins	23.52	6.470e3	8.793e3	5.135e2	6.469e2	0.79	NO	1.160e3	1.1541	1.1541	0.160
3	Total Tetra-Dioxins	24.02	1.794e3	1.342e3	1.362e2	1.093e2	1.25	YES	0.000e0	0.00000	0.19241	0.160
4	Total Tetra-Dioxins	24.95	4.924e3	6.314e3	3.785e2	4.620e2	0.82	NO	8.404e2	0.83582	0.83582	0.160
5	Total Tetra-Dioxins	25.13	3.571e3	7.268e3	2.109e2	3.512e2	0.60	YES	0.000e0	0.00000	0.48214	0.160
6	Total Tetra-Dioxins	25.35	2.146e3	3.788e3	9.298e1	1.030e2	0.90	YES	0.000e0	0.00000	0.18125	0.160
7	Total Tetra-Dioxins	25.68	2.103e3	3.022e3	1.065e2	1.185e2	0.90	YES	0.000e0	0.00000	0.20852	0.160
8	Total Tetra-Dioxins	26.39	4.866e3	6.582e3	4.689e2	5.824e2	0.81	NO	1.051e3	1.0455	1.0455	0.160
9	2,3,7,8-TCDD	26.70	4.211e3	7.224e3	2.499e2	3.684e2	0.68	NO	6.182e2	0.61484	0.61484	0.160
10	Total Tetra-Dioxins	26.99	2.570e3	2.700e3	1.315e2	1.243e2	1.06	YES	0.000e0	0.00000	0.21883	0.160

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.95	8.950e3	1.478e4	6.608e2	9.657e2	0.68	NO	1.627e3	3.3199	3.3199	0.282
2	Total Penta-Dioxins	29.39	4.227e3	5.219e3	1.516e2	2.529e2	0.60	NO	4.046e2	0.82581	0.82581	0.282
3	Total Penta-Dioxins	29.90	8.416e3	1.079e4	3.958e2	5.843e2	0.68	NO	9.801e2	2.0005	2.0005	0.282
4	Total Penta-Dioxins	30.08	4.778e3	1.106e4	3.525e2	6.888e2	0.51	YES	0.000e0	0.00000	1.8613	0.282
5	Total Penta-Dioxins	30.40	3.907e3	7.498e3	3.093e2	5.058e2	0.61	NO	8.151e2	1.6637	1.6637	0.282
6	Total Penta-Dioxins	30.65	1.480e3	2.833e3	7.916e1	1.552e2	0.51	YES	0.000e0	0.00000	0.41802	0.282
7	1,2,3,7,8-PeCDD	31.12	5.614e3	5.737e3	2.230e2	2.782e2	0.80	YES	5.012e2	0.00000	0.92546	0.282
8	Total Penta-Dioxins	31.18	2.240e3	4.474e3	7.957e1	1.347e2	0.59	NO	2.143e2	0.43734	0.43734	0.282
9	Total Penta-Dioxins	31.47	3.766e3	2.317e3	8.570e1	1.028e2	0.83	YES	0.000e0	0.00000	0.34212	0.282

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Dataset: U:\VG12.PRO\Results\210609R1\210609R1_12.qld

Last Altered: Friday, June 18, 2021 12:39:22 PM Pacific Daylight Time

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Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430, Task: ST210609R1

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.75	1.323e5	1.090e5	6.370e3	5.193e3	1.23	NO	1.156e4	39.284	39.284	1.04
2	Total Hexa-Dioxins	33.38	1.828e4	1.215e4	8.468e2	6.164e2	1.37	NO	1.463e3	4.9707	4.9707	1.04
3	Total Hexa-Dioxins	33.68	8.590e4	6.642e4	5.914e3	4.531e3	1.31	NO	1.045e4	35.486	35.486	1.04
4	Total Hexa-Dioxins	33.78	1.186e4	1.016e4	5.142e2	5.653e2	0.91	YES	0.000e0	0.00000	3.1558	1.04
5	1,2,3,4,7,8-HxCDD	34.48	5.584e3	5.773e3	2.796e2	2.395e2	1.17	NO	5.192e2	1.6967	1.6967	1.02
6	1,2,3,6,7,8-HxCDD	34.60	2.835e4	2.234e4	1.476e3	1.106e3	1.33	NO	2.582e3	8.1020	8.1020	0.962
7	1,2,3,7,8,9-HxCDD	34.90	9.398e3	9.102e3	5.110e2	4.460e2	1.15	NO	9.570e2	3.3304	3.3304	1.05

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.39	6.603e5	6.229e5	3.519e4	3.462e4	1.02	NO	6.981e4	580.19	580.19	2.66
2	1,2,3,4,6,7,8-HpCDD	38.27	3.591e5	3.563e5	1.817e4	1.810e4	1.00	NO	3.627e4	301.43	301.43	2.66

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Last Altered: Friday, June 18, 2021 12:39:22 PM Pacific Daylight Time

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Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430, Task: ST210609R1

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.06	6.771e3	6.838e3	4.124e2	5.449e2	0.76	NO	9.573e2	0.96945	0.96945	0.274
2	Total Tetra-Furans	21.67	1.283e4	1.493e4	1.170e3	1.333e3	0.88	NO	2.502e3	2.5340	2.5340	0.274
3	Total Tetra-Furans	22.42	5.296e4	7.361e4	4.406e3	6.180e3	0.71	NO	1.059e4	10.720	10.720	0.274
4	Total Tetra-Furans	22.76	6.606e3	8.953e3	4.852e2	7.004e2	0.69	NO	1.186e3	1.2007	1.2007	0.274
5	Total Tetra-Furans	22.88	6.174e3	5.638e3	4.513e2	5.436e2	0.83	NO	9.948e2	1.0075	1.0075	0.274
6	Total Tetra-Furans	22.97	4.411e3	7.410e3	2.807e2	5.144e2	0.55	YES	0.000e0	0.00000	0.65353	0.274
7	Total Tetra-Furans	23.15	4.285e3	3.554e3	2.072e2	1.874e2	1.11	YES	0.000e0	0.00000	0.33595	0.274
8	Total Tetra-Furans	23.27	3.778e4	5.383e4	3.217e3	4.419e3	0.73	NO	7.637e3	7.7339	7.7339	0.274
9	Total Tetra-Furans	23.68	3.755e4	4.438e4	2.613e3	3.241e3	0.81	NO	5.853e3	5.9280	5.9280	0.274
10	Total Tetra-Furans	23.78	6.157e3	6.636e3	3.555e2	4.623e2	0.77	NO	8.178e2	0.82826	0.82826	0.274
11	Total Tetra-Furans	23.99	1.079e4	1.575e4	7.090e2	1.123e3	0.63	YES	0.000e0	0.00000	1.6505	0.274
12	Total Tetra-Furans	24.45	7.664e3	1.022e4	4.904e2	6.642e2	0.74	NO	1.155e3	1.1693	1.1693	0.274
13	Total Tetra-Furans	24.61	1.259e4	1.643e4	4.820e2	5.736e2	0.84	NO	1.056e3	1.0690	1.0690	0.274
14	Total Tetra-Furans	24.70	5.246e4	6.249e4	4.498e3	6.129e3	0.73	NO	1.063e4	10.762	10.762	0.274
15	Total Tetra-Furans	24.89	2.699e4	4.140e4	1.684e3	2.354e3	0.72	NO	4.039e3	4.0901	4.0901	0.274
16	Total Tetra-Furans	25.11	9.096e4	1.183e5	5.714e3	7.467e3	0.77	NO	1.318e4	13.349	13.349	0.274
17	Total Tetra-Furans	25.41	6.783e3	9.021e3	4.266e2	6.477e2	0.66	NO	1.074e3	1.0880	1.0880	0.274
18	Total Tetra-Furans	25.50	5.567e3	7.869e3	3.226e2	4.745e2	0.68	NO	7.972e2	0.80731	0.80731	0.274
19	Total Tetra-Furans	25.78	6.318e3	9.362e3	3.881e2	5.410e2	0.72	NO	9.291e2	0.94089	0.94089	0.274
20	Total Tetra-Furans	25.94	2.847e4	4.116e4	1.929e3	2.501e3	0.77	NO	4.430e3	4.4865	4.4865	0.274
21	2,3,7,8-TCDF	26.05	8.556e4	1.224e5	5.490e3	7.526e3	0.73	NO	1.302e4	13.182	13.182	0.274
22	Total Tetra-Furans	26.33	1.217e4	1.499e4	9.415e2	1.227e3	0.77	NO	2.168e3	2.1959	2.1959	0.274
23	Total Tetra-Furans	26.61	9.521e3	1.339e4	6.232e2	8.619e2	0.72	NO	1.485e3	1.5041	1.5041	0.274
24	Total Tetra-Furans	27.09	4.105e4	5.540e4	2.257e3	3.002e3	0.75	NO	5.258e3	5.3253	5.3253	0.274
25	Total Tetra-Furans	27.23	5.514e4	7.160e4	3.060e3	3.925e3	0.78	NO	6.986e3	7.0745	7.0745	0.274
26	Total Tetra-Furans	27.43	5.206e3	7.433e3	3.024e2	4.325e2	0.70	NO	7.350e2	0.74434	0.74434	0.274
27	Total Tetra-Furans	27.83	8.884e3	1.239e4	4.838e2	6.323e2	0.77	NO	1.116e3	1.1303	1.1303	0.274
28	Total Tetra-Furans	27.97	1.513e4	2.120e4	8.909e2	1.114e3	0.80	NO	2.005e3	2.0301	2.0301	0.274

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210609R1\210609R1_12.qld

Last Altered: Friday, June 18, 2021 12:39:22 PM Pacific Daylight Time

Printed: Friday, June 18, 2021 12:39:56 PM Pacific Daylight Time

Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430, Task: ST210609R1

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	27.42	2.750e5	1.781e5	1.556e4	1.005e4	1.55	NO	2.562e4	34.843	34.843	0.118

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.81	8.759e3	7.574e3	6.450e2	5.052e2	1.28	YES	0.000e0	0.00000	1.4431	0.355
2	Total Penta-Furans	28.98	1.082e5	6.475e4	6.988e3	4.644e3	1.50	NO	1.163e4	15.820	15.820	0.355
3	Total Penta-Furans	29.58	3.721e4	2.508e4	2.544e3	1.554e3	1.64	NO	4.099e3	5.5746	5.5746	0.355
4	Total Penta-Furans	29.73	1.483e4	1.146e4	7.730e2	5.545e2	1.39	NO	1.327e3	1.8055	1.8055	0.355
5	1,2,3,7,8-PeCDF	29.93	1.107e5	6.336e4	5.381e3	3.131e3	1.72	NO	8.511e3	10.634	10.634	0.334
6	Total Penta-Furans	30.08	5.577e4	3.332e4	2.611e3	1.662e3	1.57	NO	4.273e3	5.8117	5.8117	0.355
7	Total Penta-Furans	30.17	4.973e4	3.006e4	2.496e3	1.444e3	1.73	NO	3.941e3	5.3595	5.3595	0.355
8	Total Penta-Furans	30.28	6.982e3	4.255e3	3.422e2	2.055e2	1.66	NO	5.478e2	0.74499	0.74499	0.355
9	2,3,4,7,8-PeCDF	30.95	8.217e4	4.822e4	4.412e3	2.849e3	1.55	NO	7.261e3	9.8793	9.8793	0.347
10	Total Penta-Furans	31.51	4.716e3	3.587e3	1.566e2	9.309e1	1.68	NO	2.496e2	0.33954	0.33954	0.355
11	Total Penta-Furans	31.65	7.133e3	3.978e3	3.305e2	1.877e2	1.76	NO	5.182e2	0.70476	0.70476	0.355

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.22	3.516e4	3.072e4	1.625e3	1.364e3	1.19	NO	2.989e3	7.3638	7.3638	0.507
2	Total Hexa-Furans	32.39	1.040e5	9.860e4	5.077e3	4.339e3	1.17	NO	9.415e3	23.199	23.199	0.507
3	Total Hexa-Furans	33.04	1.731e5	1.457e5	8.144e3	6.835e3	1.19	NO	1.498e4	36.906	36.906	0.507
4	1,2,3,4,7,8-HxCDF	33.53	8.775e4	7.222e4	4.115e3	3.521e3	1.17	NO	7.635e3	17.050	17.050	0.428
5	1,2,3,6,7,8-HxCDF	33.67	2.251e4	1.967e4	1.140e3	1.056e3	1.08	NO	2.196e3	4.6427	4.6427	0.439
6	Total Hexa-Furans	34.10	5.617e3	3.206e3	2.188e2	1.770e2	1.24	NO	3.958e2	0.97528	0.97528	0.507
7	2,3,4,6,7,8-HxCDF	34.37	9.019e3	8.861e3	6.814e2	6.132e2	1.11	NO	1.295e3	3.9837	3.9837	0.645

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210609R1\210609R1_12.qld

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Printed: Friday, June 18, 2021 12:39:56 PM Pacific Daylight Time

Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430, Task: ST210609R1

Hepta-Furans

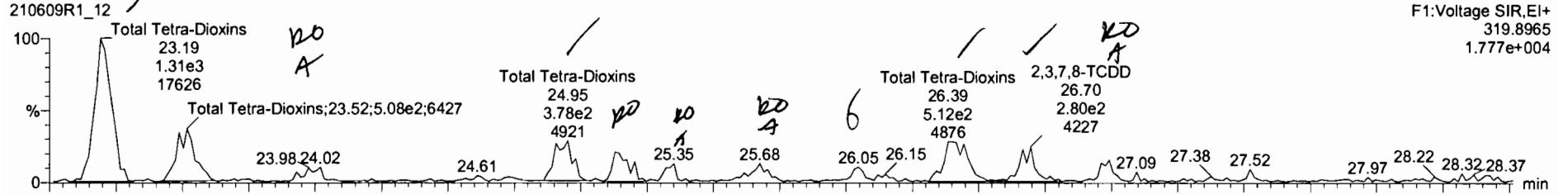
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1	1,2,3,4,6,7,8-HpCDF	37.07	9.190e4	9.267e4	5.563e3	5.261e3	1.06	NO	1.082e4	52.647	52.647	0.594
2	Total Hepta-Furans	37.68	1.606e5	1.730e5	8.525e3	8.790e3	0.97	NO	1.731e4	94.533	94.533	0.676
3	1,2,3,4,7,8,9-HpCDF	38.93	6.770e3	4.556e3	3.339e2	2.955e2	1.13	NO	6.295e2	3.9265	3.9265	0.783

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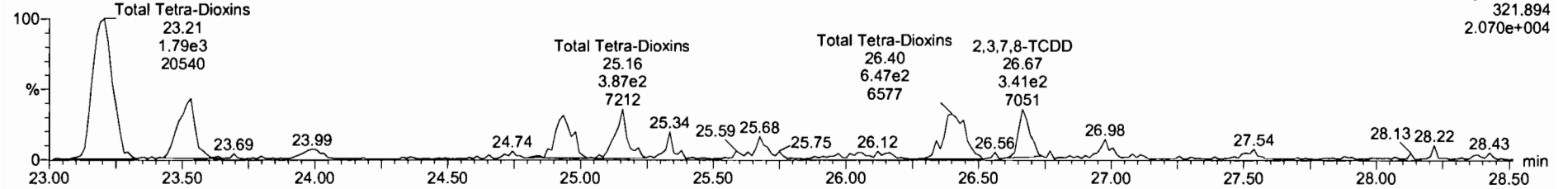
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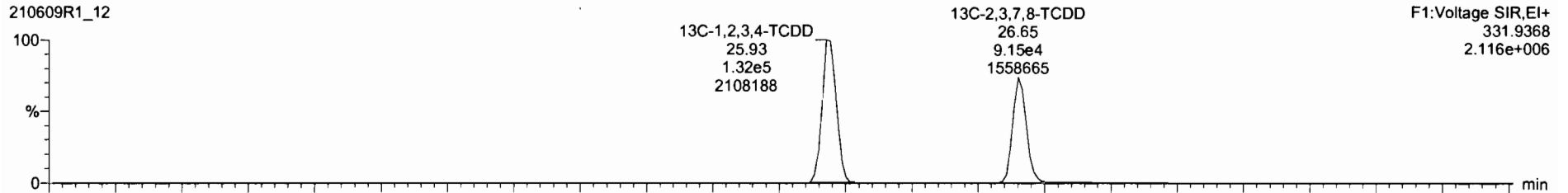
2,3,7,8-TCDD



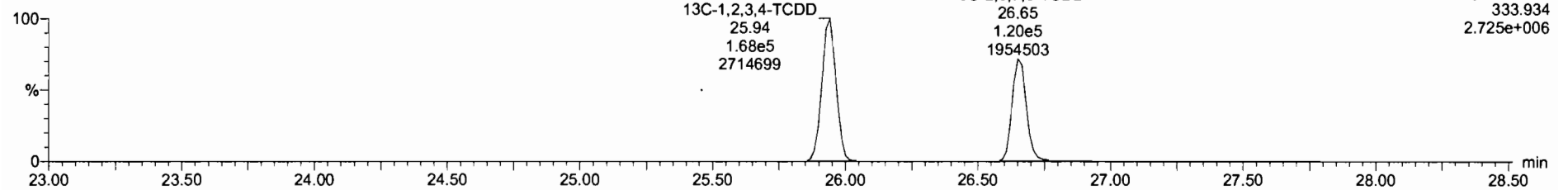
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13C-2,3,7,8-TCDD

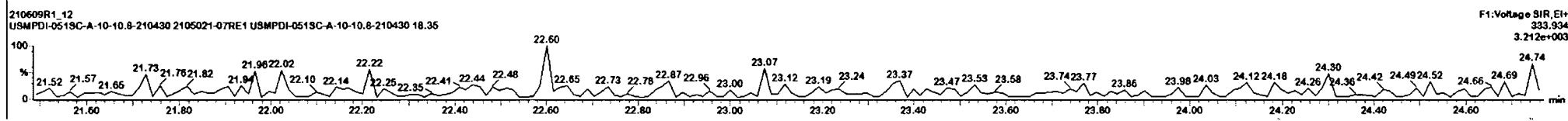
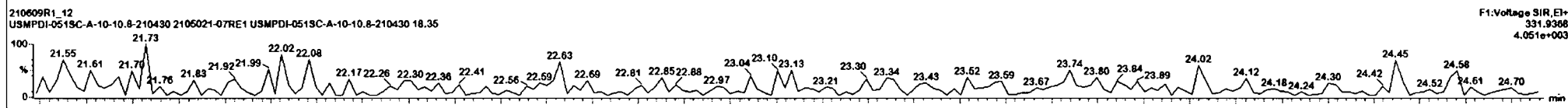
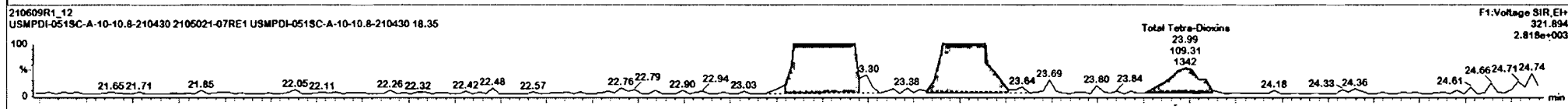
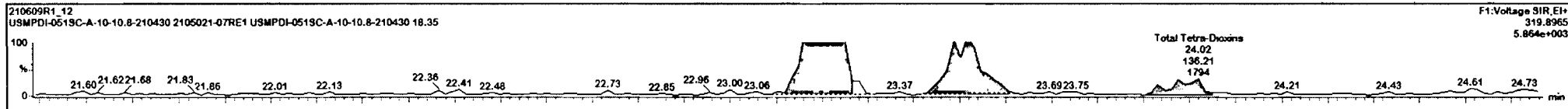


210609R1_12



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.93	10.129			6.73	0.162	8.02	
40 Total Penta-Dioxins				0.83	10.129			8.33	0.285	11.9	
41 Total Hexa-Dioxins				0.88	10.129			93.9	1.06	97.1	
42 Total Hepta-Dioxins				0.90	10.129			891	2.69	891	
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.04	10.129			153	0.641	153	

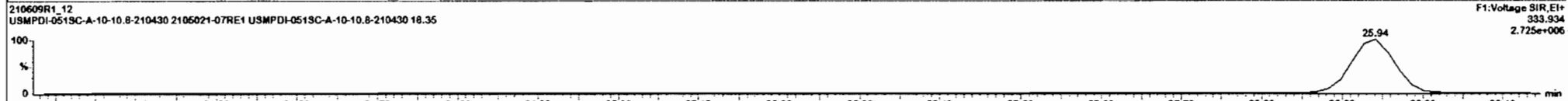
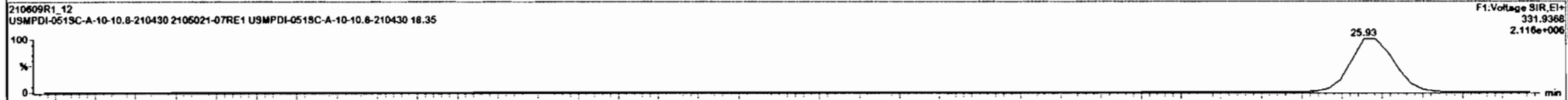
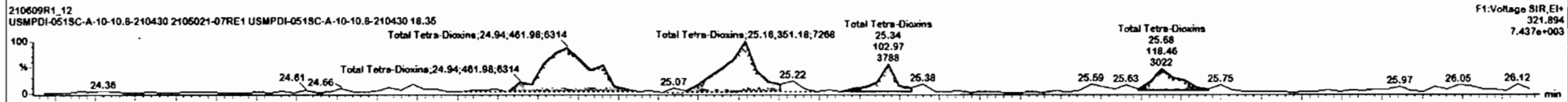
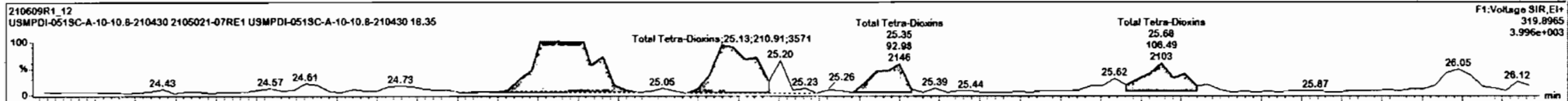
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 2,3,7,8-TCDD	26.70	2.495e2	3.684e2	0.68	NO	0.62168	0.62168
2 Total Tetra-Dioxins	26.39	4.689e2	5.824e2	0.81	NO	1.0571	1.0571
3 Total Tetra-Dioxins	25.13	2.109e2	3.512e2	0.60	YES	0.48751	0.00000
4 Total Tetra-Dioxins	24.85	3.785e2	4.620e2	0.82	NO	0.84511	0.84511
5 Total Tetra-Dioxins	23.52	5.135e2	6.469e2	0.79	NO	1.1669	1.1669
6 Total Tetra-Dioxins	23.19	1.269e3	1.752e3	0.72	NO	3.0348	3.0348
7 Total Tetra-Dioxins	28.99	1.315e2	1.243e2	1.08	YES	0.22128	0.00000
8 Total Tetra-Dioxins	25.68	1.065e2	1.185e2	0.90	YES	0.21084	0.00000
9 Total Tetra-Dioxins	25.35	9.298e1	1.030e2	0.90	YES	0.18327	0.00000
10 Total Tetra-Dioxins	24.02	1.362e2	1.093e2	1.25	YES	0.19455	0.00000



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

Name	Resp	RA	rvy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.93	10.129			6.73	0.162	7.83	
40 Total Penta-Dioxins				0.83	10.129			8.33	0.285	11.9	
41 Total Hexa-Dioxins				0.88	10.129			93.9	1.08	97.1	
42 Total Hepta-Dioxins				0.90	10.129			891	2.69	891	
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.05	10.129			1531	0.661	1531	

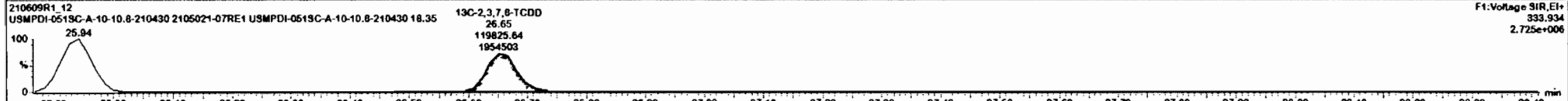
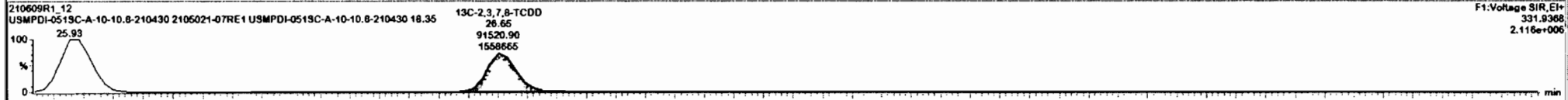
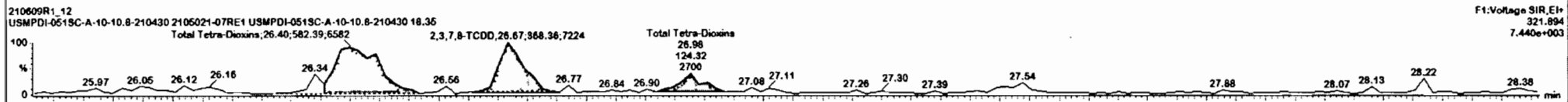
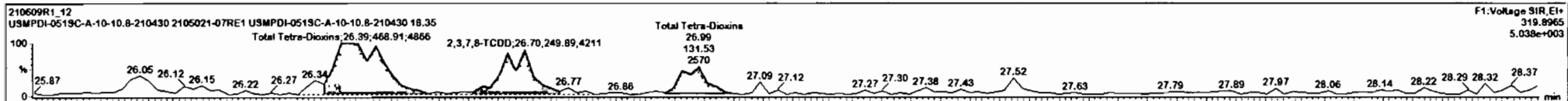
Name	RT	m1 Resp	m2 Resp	RA	rvy	EMPC	Conc
1 2,3,7,8-TCDD	26.70	2.499e2	3.684e2	0.68	NO	0.62168	0.62168
2 Total Tetra-Dioxins	26.39	4.689e2	5.624e2	0.81	NO	1.0571	1.0571
3 Total Tetra-Dioxins	25.13	2.105e2	3.512e2	0.60	YES	0.48751	0.00000
4 Total Tetra-Dioxins	24.95	3.785e2	4.620e2	0.82	NO	0.84511	0.84511
5 Total Tetra-Dioxins	23.52	5.135e2	6.469e2	0.79	NO	1.1669	1.1669
6 Total Tetra-Dioxins	23.19	1.266e3	1.752e3	0.72	NO	3.0348	3.0348
7 Total Tetra-Dioxins	26.99	1.315e2	1.243e2	1.08	YES	0.22126	0.00000
8 Total Tetra-Dioxins	25.68	1.065e2	1.185e2	0.90	YES	0.21284	0.00000
9 Total Tetra-Dioxins	25.35	9.298e1	1.030e2	0.90	YES	0.18327	0.00000



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.93	10.129			6.73	0.162	7.83	
40 Total Penta-Dioxins				0.83	10.129			8.33	0.285	11.9	
41 Total Hexa-Dioxins				0.68	10.129			93.9	1.06	97.1	
42 Total Hepta-Dioxins				0.90	10.129			891	2.69	891	
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.68	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.68	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.04	10.129			151	0.881	151	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 2,3,7,8-TCDD	26.70	2.499e2	3.684e2	0.66	NO	0.62168	0.62168
2 Total Tetra-Dioxins	26.39	4.689e2	5.624e2	0.81	NO	1.0571	1.0571
3 Total Tetra-Dioxins	25.13	2.109e2	3.512e2	0.60	YES	0.48751	0.00000
4 Total Tetra-Dioxins	24.95	3.785e2	4.620e2	0.82	NO	0.84511	0.84511
5 Total Tetra-Dioxins	23.52	5.135e2	6.469e2	0.79	NO	1.1669	1.1669
6 Total Tetra-Dioxins	23.19	1.266e3	1.752e3	0.72	NO	3.0348	3.0348
7 Total Tetra-Dioxins	28.99	1.315e2	1.243e2	1.06	YES	0.22126	0.00000
8 Total Tetra-Dioxins	25.68	1.065e2	1.185e2	0.90	YES	0.21384	0.00000
9 Total Tetra-Dioxins	25.35	9.298e1	1.030e2	0.90	YES	0.15327	0.00000



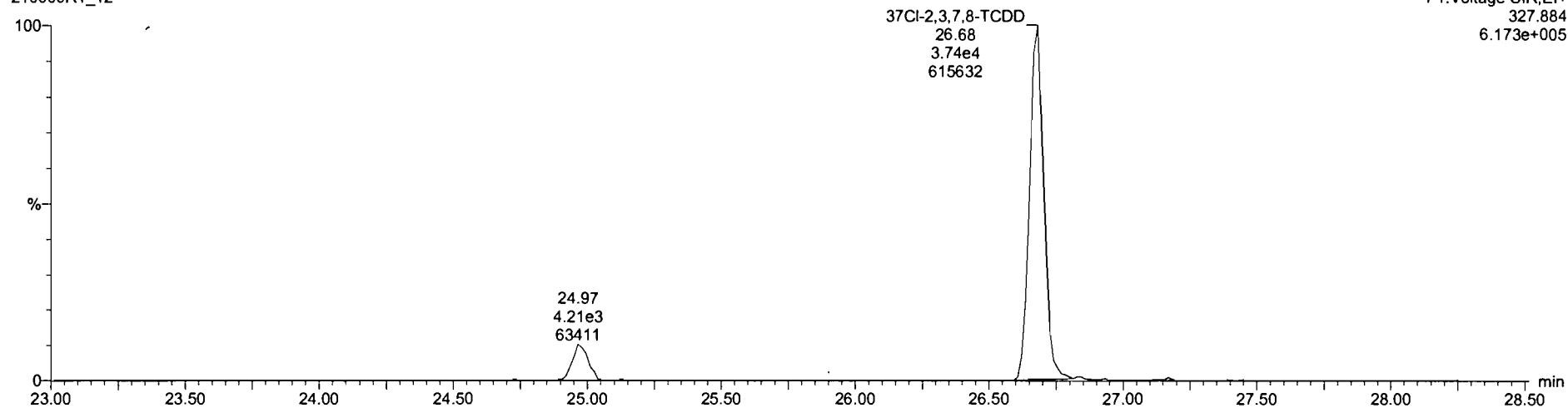
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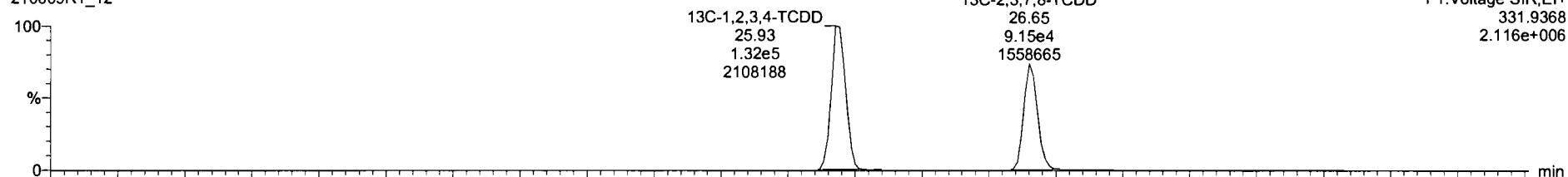
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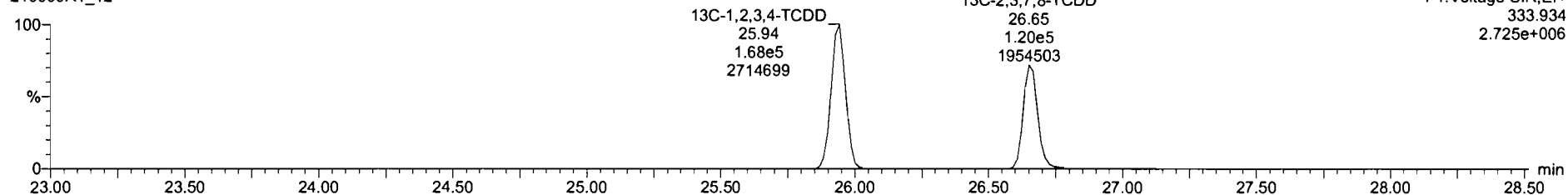


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210609R1_12



210609R1_12



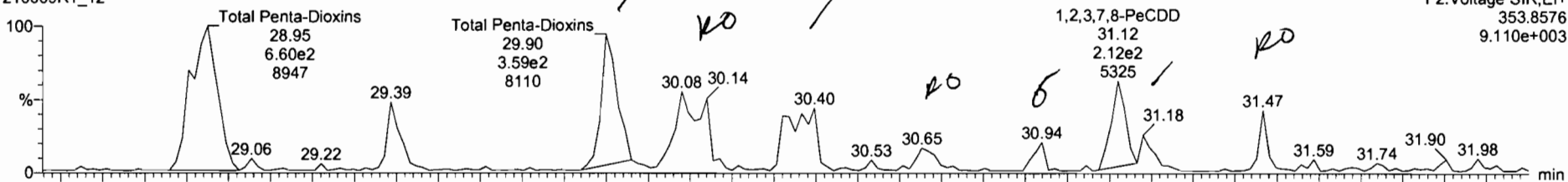
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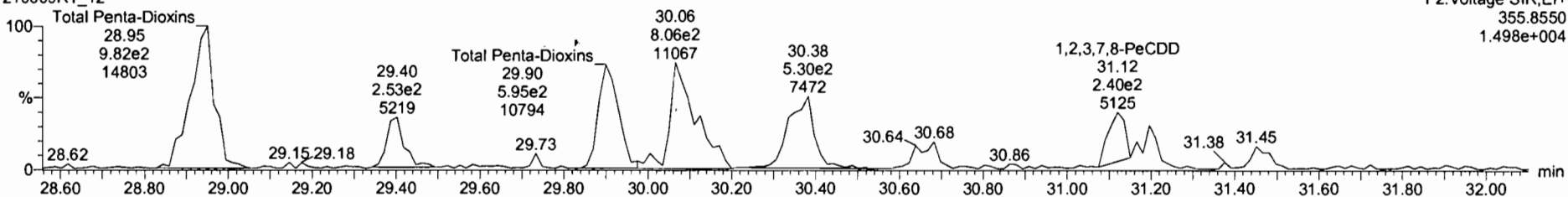
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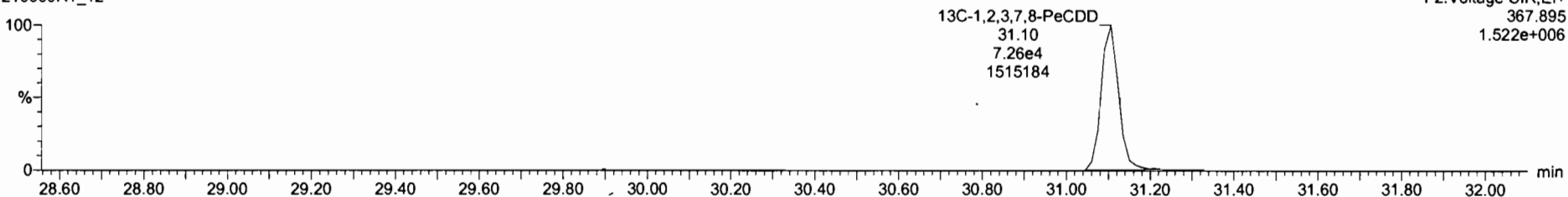


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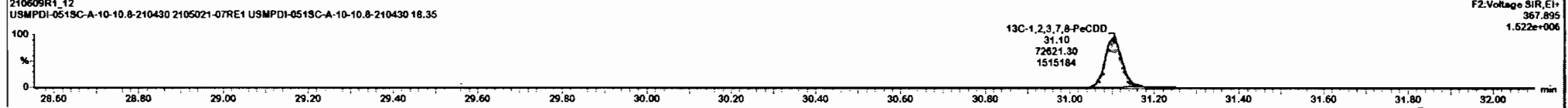
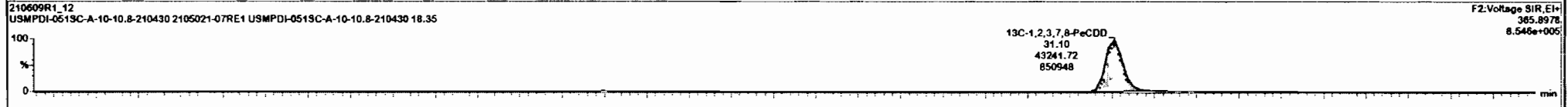
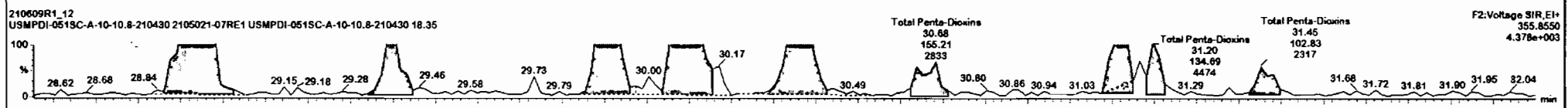
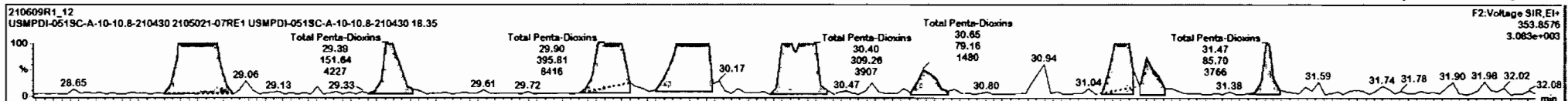
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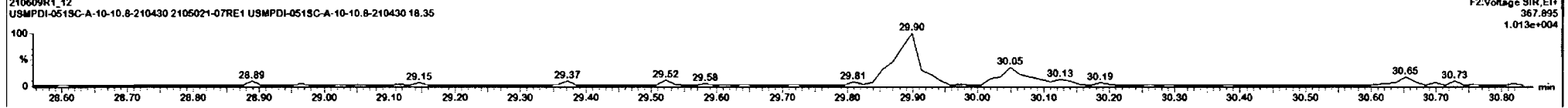
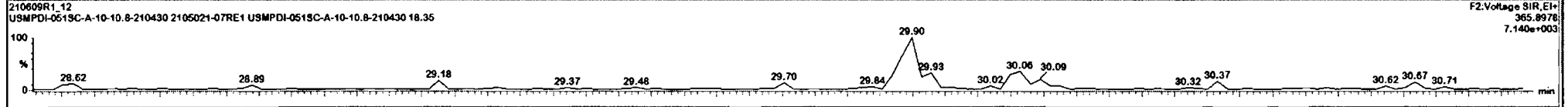
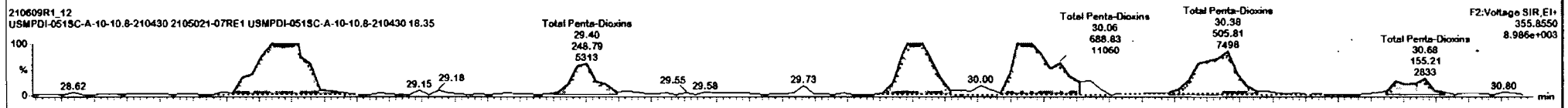
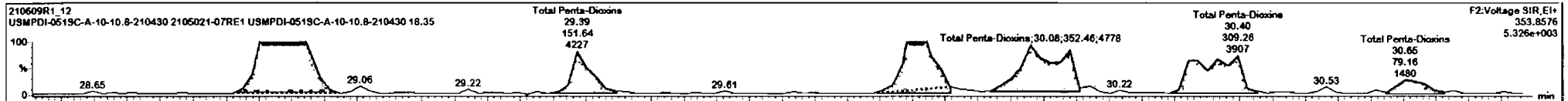
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.93	10.129			6.73	0.162	8.02	
40 Total Penta-Dioxins				0.83	10.129			8.33	0.285	11.9	
41 Total Hexa-Dioxins				0.68	10.129			93.9	1.08	97.1	
42 Total Hepta-Dioxins				0.96	10.129			891	2.69	891	
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.517	96.0	
47 Total Hepta-Furans				1.05	10.129			153	0.681	153	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Dioxins	28.95	6.609e2	9.657e2	0.68	NO	3.3569	3.3569
2 Total Penta-Dioxins	29.39	1.516e2	2.488e2	0.61	NO	0.82642	0.82642
3 Total Penta-Dioxins	29.90	3.959e2	5.843e2	0.66	NO	2.0227	2.0227
4 Total Penta-Dioxins	30.06	3.525e2	6.888e2	0.51	YES	1.8820	0.00000
5 Total Penta-Dioxins	30.40	3.093e2	5.058e2	0.61	NO	1.6822	1.6822
6 Total Penta-Dioxins	30.85	7.916e1	1.552e2	0.51	YES	0.42267	0.00000
7 1,2,3,7,8-PeCDD	31.12	2.239e2	2.782e2	0.80	YES	0.93578	0.00000
8 Total Penta-Dioxins	31.16	7.967e1	1.347e2	0.59	NO	0.44220	0.44220
9 Total Penta-Dioxins	31.47	8.570e1	1.028e2	0.83	YES	0.34592	0.00000



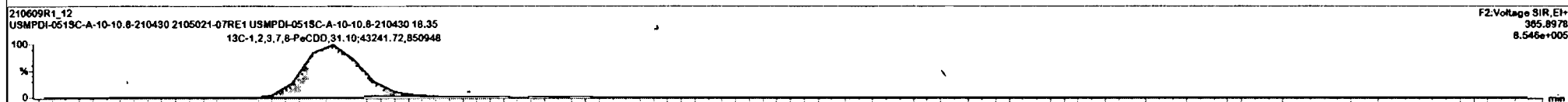
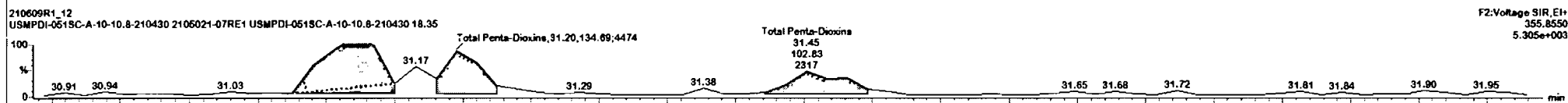
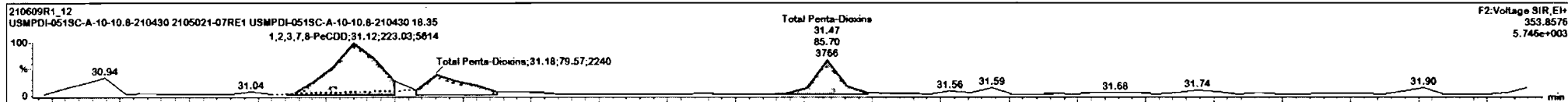
Name	Resp	RA	rv	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.93	10.129			6.73	0.162	8.02	
40 Total Penta-Dioxins				0.83	10.129			8.33	0.285	11.9	
41 Total Hexa-Dioxins				0.88	10.129			93.9	1.06	97.1	
42 Total Hepta-Dioxins				0.90	10.129			891	2.69	691	
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			98.0	0.513	98.0	
47 Total Hepta-Furans				1.05	10.129			153	0.683	153	

Name	RT1	m1 Resp	m2 Resp	RA	rv	EMPC	Conc
1 Total Penta-Dioxins	28.85	6.639e2	9.657e2	0.68	NO	3.3569	3.3569
2 Total Penta-Dioxins	29.39	1.516e2	2.488e2	0.61	NO	0.82642	0.82642
3 Total Penta-Dioxins	29.90	3.958e2	5.843e2	0.66	NO	2.0227	2.0227
4 Total Penta-Dioxins	30.06	3.525e2	6.888e2	0.51	YES	1.8620	0.00000
5 Total Penta-Dioxins	30.40	3.093e2	5.056e2	0.61	NO	1.6622	1.6822
6 Total Penta-Dioxins	30.65	7.916e1	1.552e2	0.51	YES	0.42287	0.00000
7 1,2,3,7,8-PeCDD	31.12	2.230e2	2.782e2	0.80	YES	0.93578	0.00000
8 Total Penta-Dioxins	31.16	7.967e1	1.347e2	0.59	NO	0.44220	0.44220
9 Total Penta-Dioxins	31.47	8.575e1	1.028e2	0.83	YES	0.34592	0.00000



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.93	10.129			6.73	0.162	8.02	
40 Total Penta-Dioxins				0.83	10.129			8.33	0.285	11.9	
41 Total Hexa-Dioxins				0.68	10.129			93.9	1.05	97.1	
42 Total Hepta-Dioxins				0.90	10.129			891	2.69	891	
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.05	10.129			151	0.661	151	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Penta-Dioxins	28.95	6.628e2	9.657e2	0.68	NO	3.3569	3.3569
2 Total Penta-Dioxins	29.39	1.516e2	2.486e2	0.61	NO	0.82642	0.82642
3 Total Penta-Dioxins	29.90	3.958e2	5.843e2	0.66	NO	2.0227	2.0227
4 Total Penta-Dioxins	30.08	3.525e2	6.888e2	0.51	YES	1.8820	0.00000
5 Total Penta-Dioxins	30.40	3.093e2	5.058e2	0.61	NO	1.6822	1.6822
6 Total Penta-Dioxins	30.65	7.919e1	1.552e2	0.51	YES	0.42287	0.00000
7 1,2,3,7,8-PeCDD	31.12	2.230e2	2.782e2	0.80	YES	0.93576	0.00000
8 Total Penta-Dioxins	31.18	7.957e1	1.347e2	0.59	NO	0.44220	0.44220
9 Total Penta-Dioxins	31.47	8.570e1	1.028e2	0.83	YES	0.34592	0.00000



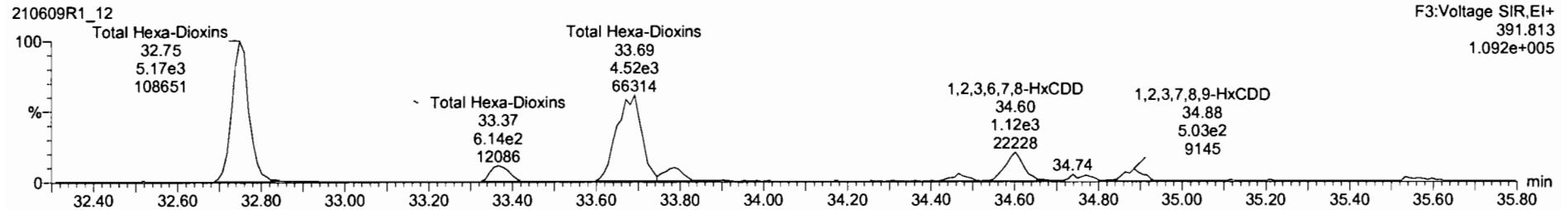
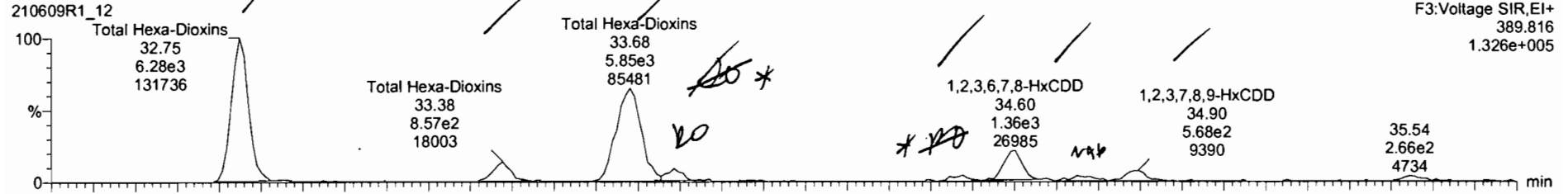
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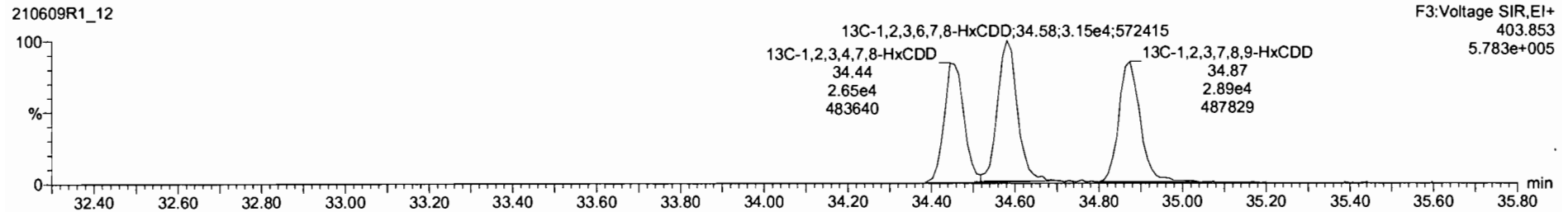
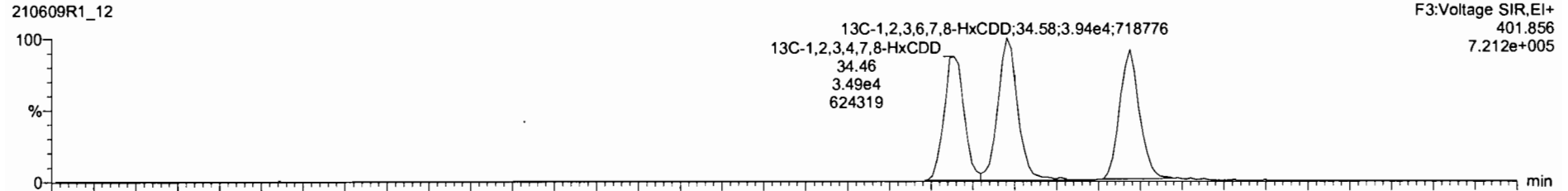
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Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430

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



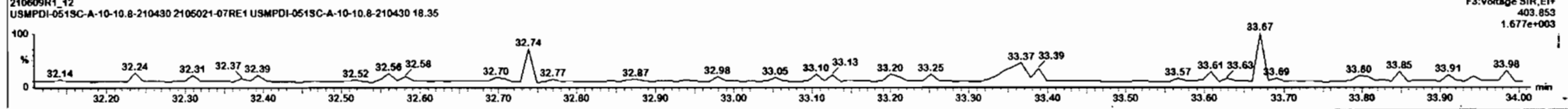
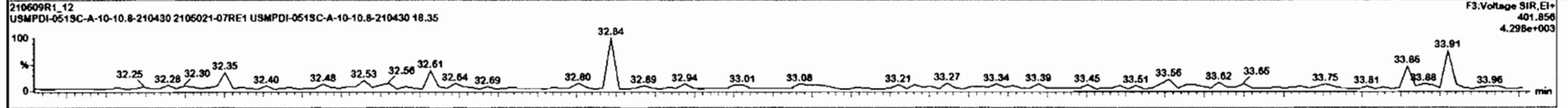
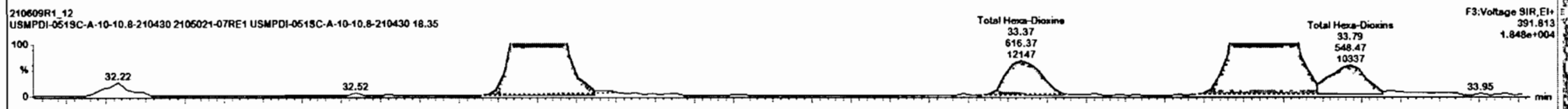
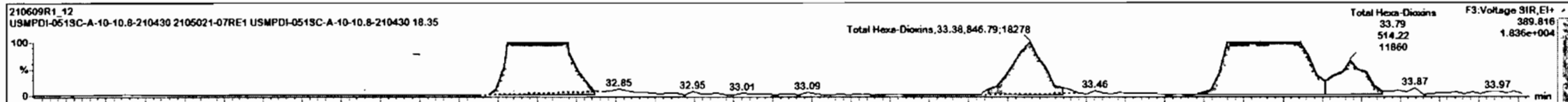
13C-1,2,3,4,7,8-HxCDD



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 : USMPDI-051SC-A-10-10.8-210430

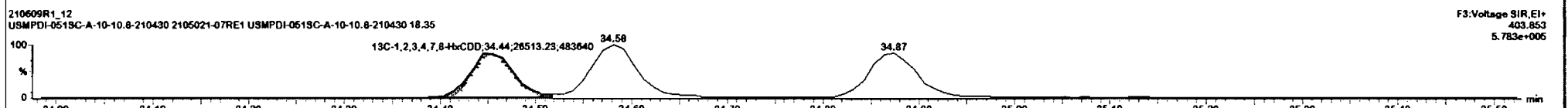
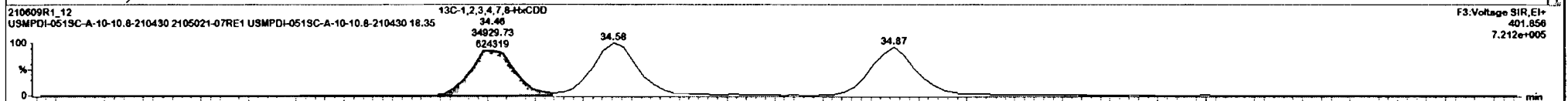
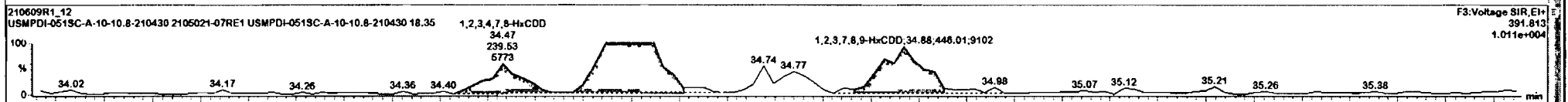
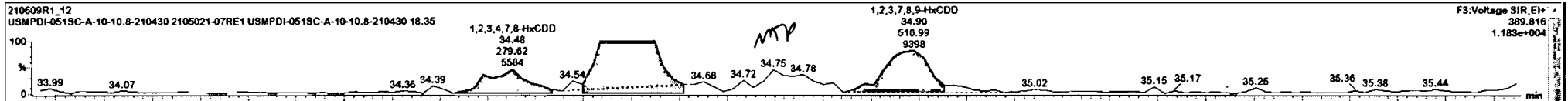
Name	Resp	RA	nly	RRF	wtVol	RT	.RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.68	10.129			94.0		1.06	97.2
42 Total Hepta-Dioxins				0.90	10.129			891		2.69	891
43 Total Tetra-Furans				0.75	10.129			103		0.277	106
44 1st Func Penta-Furans				0.68	10.129			35.2		0.120	35.2
45 Total Penta-Furans				0.68	10.129			57.3		0.359	58.8
46 Total Hexa-Furans				0.97	10.129			96.0		0.513	96.0
47 Total Hepta-Furans				1.05	10.129			153		0.683	153
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Hexa-Dioxins	32.75	6.370e3	5.192e3	1.23	NO	59.721	39.721
2 Total Hexa-Dioxins	33.38	8.468e2	6.164e2	1.37	NO	5.0260	5.0260
3 Total Hexa-Dioxins	33.68	5.914e3	4.531e3	1.31	NO	35.881	35.881
4 Total Hexa-Dioxins	33.79	5.142e2	5.485e2	0.94	YES	3.1909	0.00000
5 1,2,3,4,7,8-HxCDD	34.48	2.796e2	2.423e2	1.15	NO	1.7247	1.7247
6 1,2,3,6,7,8-HxCDD	34.60	1.476e3	1.106e3	1.33	NO	8.1921	8.1921
7 1,2,3,7,8,9-HxCDD	34.90	5.175e2	4.621e2	1.12	NO	3.4470	3.4470



Name	Resp	RA	n/y	RRF	wt/vol	RT #	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.88	10.129			93.9	1.06	97.1	
42 Total Hepta-Dioxins				0.90	10.129			891	2.69	891	
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.05	10.129			153	0.683	153	
48 PK1											
49 PK2											

Name	RT (v)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	32.75	6.375e3	5.193e3	1.23	NO	39.721	39.721
2 Total Hexa-Dioxins	33.36	8.468e2	6.164e2	1.37	NO	5.0260	5.0260
3 Total Hexa-Dioxins	33.66	5.914e3	4.531e3	1.31	NO	35.881	35.881
4 Total Hexa-Dioxins	33.79	5.142e2	5.485e2	0.94	YES	3.1909	0.00000
5 1,2,3,4,7,8-HxCDD	34.48	2.798e2	2.395e2	1.17	NO	1.7155	1.7155
6 1,2,3,6,7,8-HxCDD	34.60	1.476e3	1.106e3	1.33	NO	8.1921	8.1921
7 1,2,3,7,8,9-HxCDD	34.90	5.110e2	4.460e2	1.15	NO	3.3875	3.3875



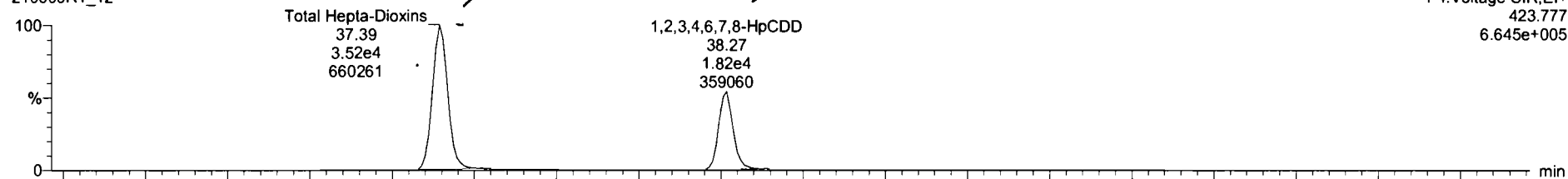
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430

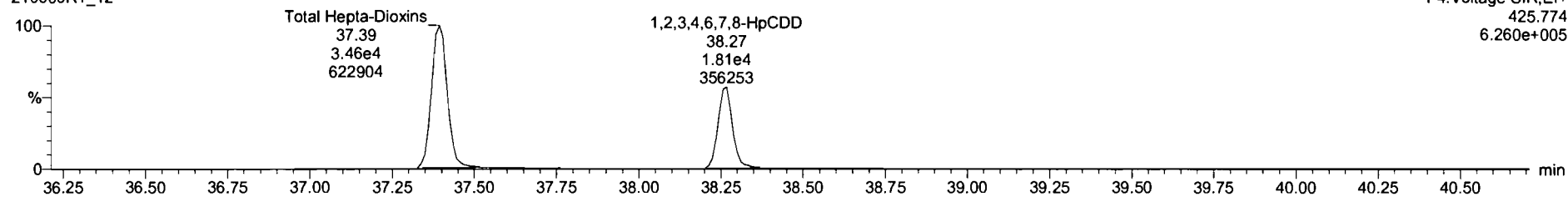
1,2,3,4,6,7,8-HpCDD

210609R1_12



F4:Voltage SIR,EI+
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6.645e+005

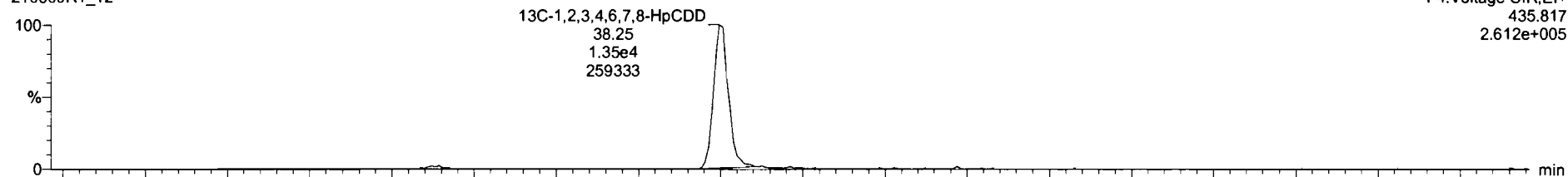
210609R1_12



F4:Voltage SIR,EI+
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6.260e+005

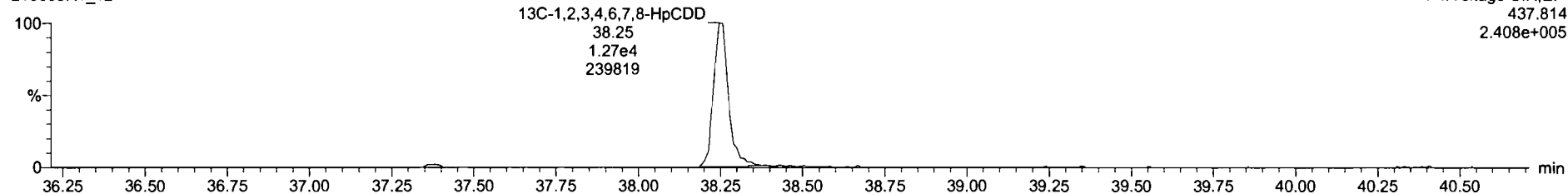
13C-1,2,3,4,6,7,8-HpCDD

210609R1_12



F4:Voltage SIR,EI+
435.817
2.612e+005

210609R1_12

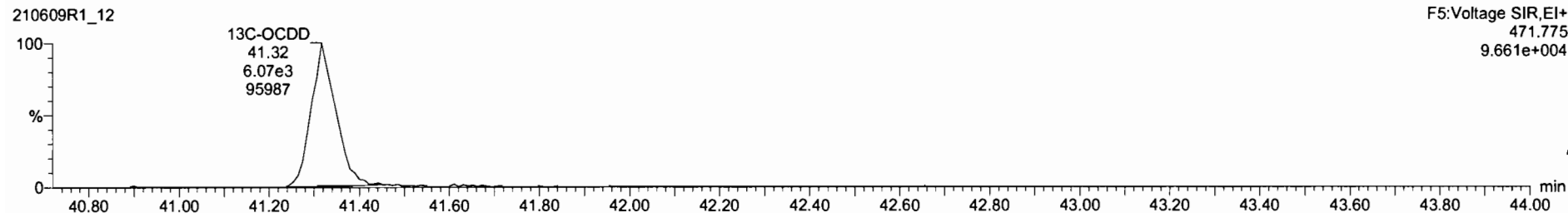
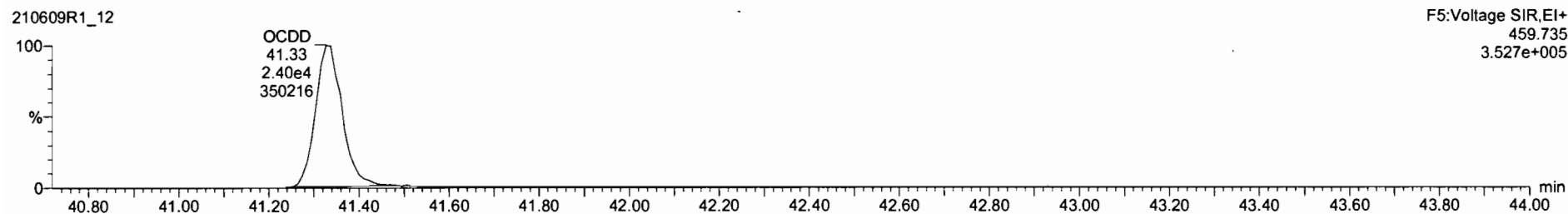


F4:Voltage SIR,EI+
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2.408e+005

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Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

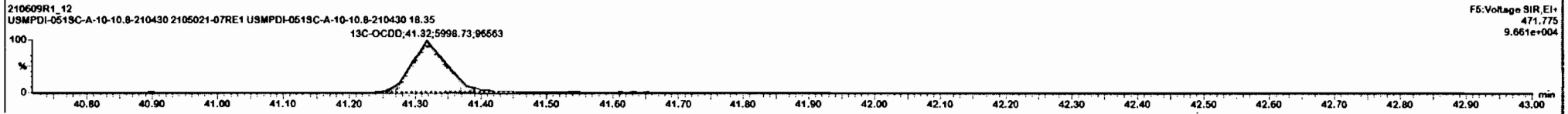
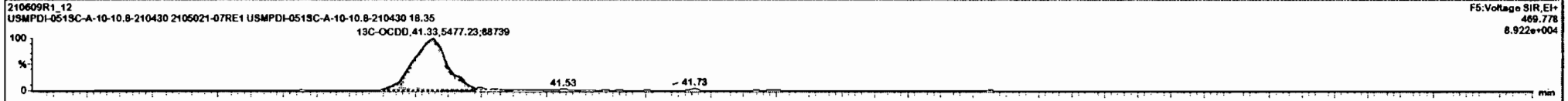
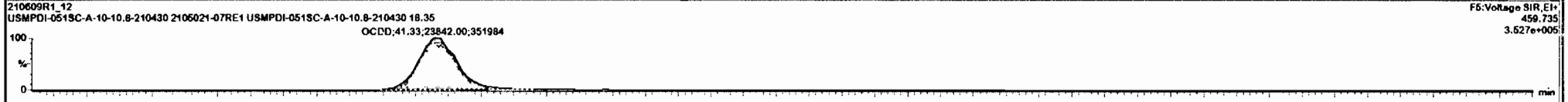
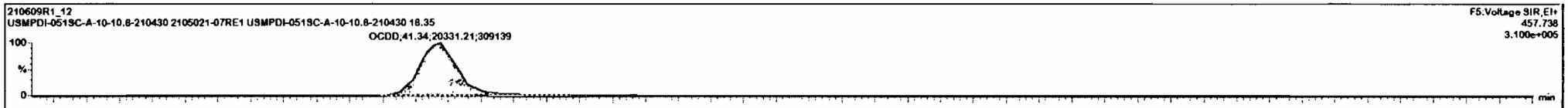
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210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	6.18e2	0.68	NO	0.93	10.129	26.70	1.002	0.622	0.162	0.622	
2 1,2,3,7,8-PeCDD	5.01e2	0.80	YES	0.83	10.129	31.12	1.000	1.03	0.285	0.936	
3 1,2,3,4,7,8-HxCDD	5.19e2	1.17	NO	0.97	10.129	34.46	1.001	1.72	1.03	1.72	
4 1,2,3,6,7,8-HxCDD	2.58e3	1.33	NO	0.88	10.129	34.60	1.001	8.19	0.973	8.19	
5 1,2,3,7,8,9-HxCDD	9.57e2	1.15	NO	0.87	10.129	34.90	1.001	3.37	1.06	3.37	
6 1,2,3,4,6,7,8-HpCDD	3.63e4	1.00	NO	0.90	10.129	38.27	1.001	305	2.89	305	
7 OCDD	4.42e4	0.85	NO	0.85	10.129	41.34	1.000	1780	13.7	1780	
8 2,3,7,8-TCDF	1.30e4	0.73	NO	0.75	10.129	28.05	1.001	13.3	0.277	13.3	
9 1,2,3,7,8-PeCDF	8.51e3	1.77	NO	0.88	10.129	29.93	1.001	10.8	0.338	10.8	

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

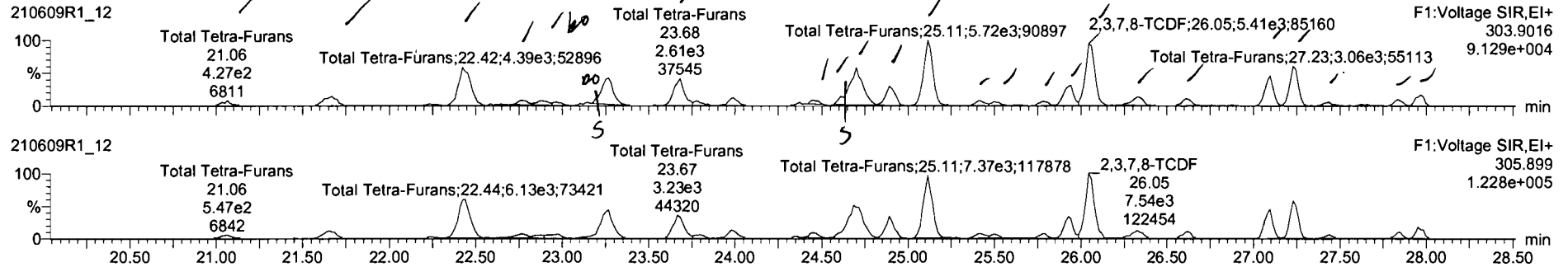


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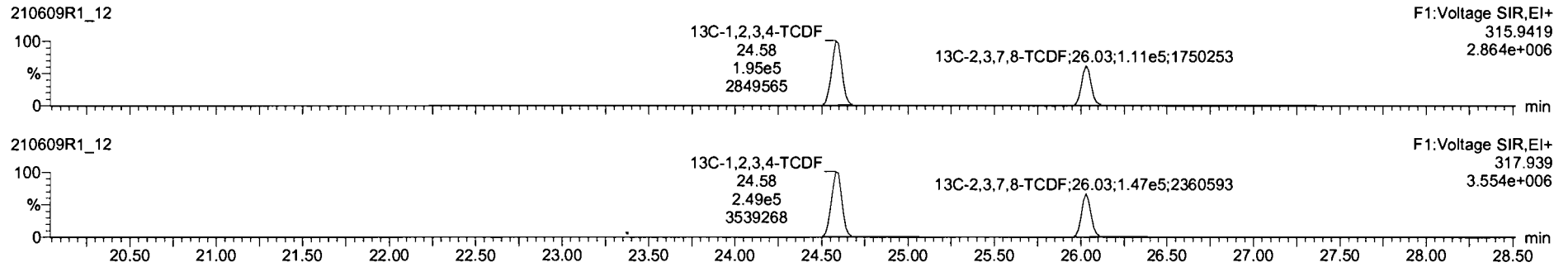
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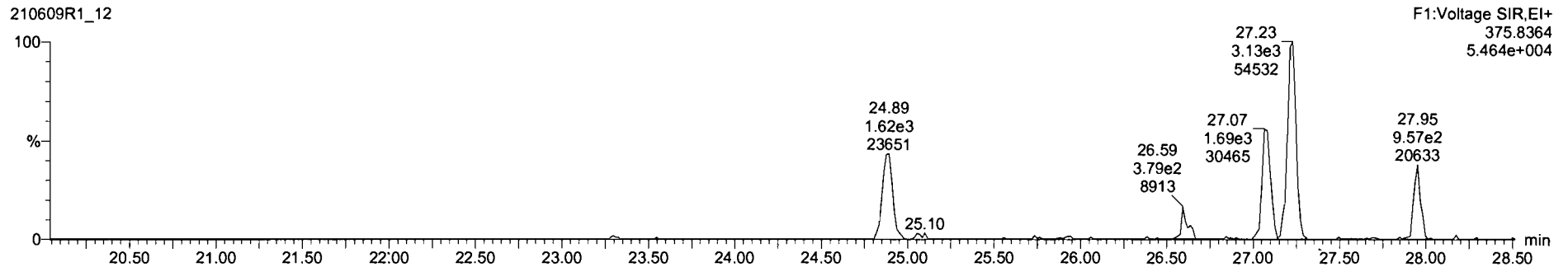
2,3,7,8-TCDF



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

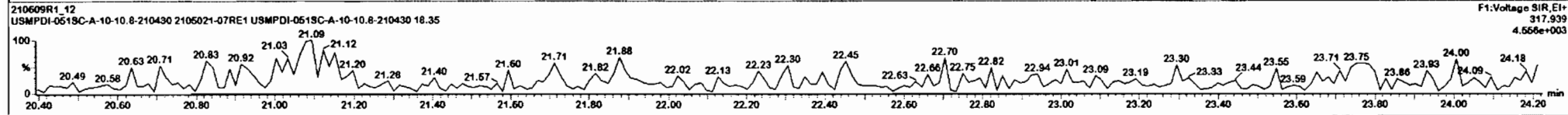
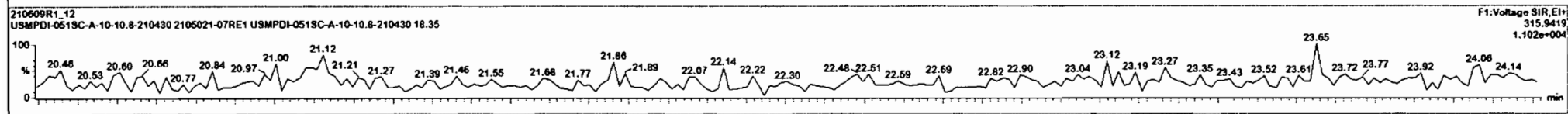
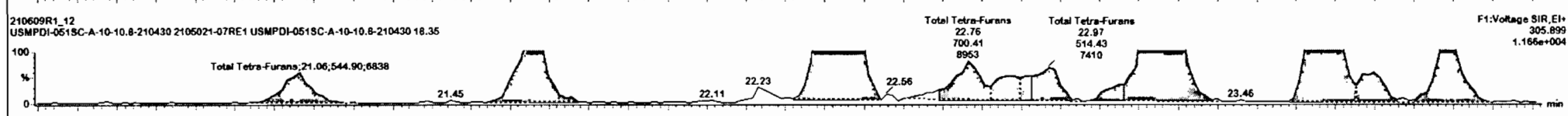
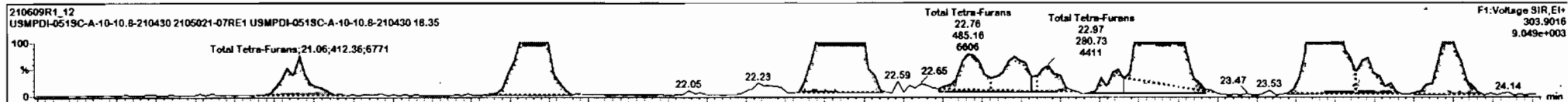


DPE1



Name	Resp	RA	n/y	RRF	w/w%	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	52.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.05	10.129			153	0.683	153	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

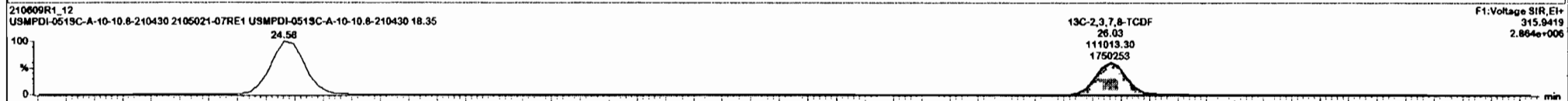
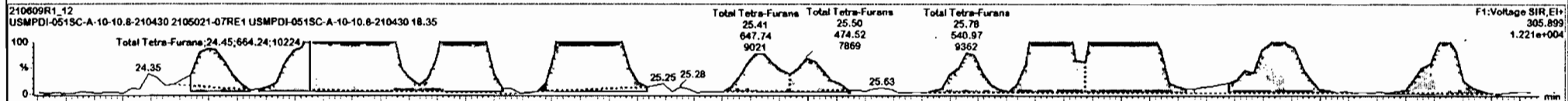
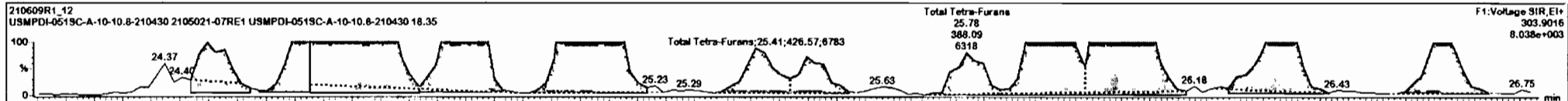
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	21.06	4.124e2	5.449e2	0.76	NO	0.98024	0.98024
2 Total Tetra-Furans	21.67	1.170e3	1.333e3	0.88	NO	2.5822	2.5822
3 Total Tetra-Furans	22.42	4.406e3	6.180e3	0.71	NO	10.840	10.840
4 Total Tetra-Furans	22.76	4.852e2	7.004e2	0.69	NO	1.2140	1.2140
5 Total Tetra-Furans	22.86	4.513e2	5.438e2	0.83	NO	1.0187	1.0187
6 Total Tetra-Furans	22.97	2.807e2	5.144e2	0.55	YES	0.68079	0.00000
7 Total Tetra-Furans	23.15	2.072e2	1.874e2	1.11	YES	0.33968	0.00000
8 Total Tetra-Furans	23.27	3.217e2	4.419e2	0.73	NO	7.8199	7.8199
9 Total Tetra-Furans	23.68	2.613e2	3.241e2	0.81	NO	5.9939	5.9939
10 Total Tetra-Furans	23.78	3.555e2	4.823e2	0.77	NO	0.83747	0.83747



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

Name	Resp	RA	n/y	RRP	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			17.3	0.359	52.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.05	10.129			153	0.683	153	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

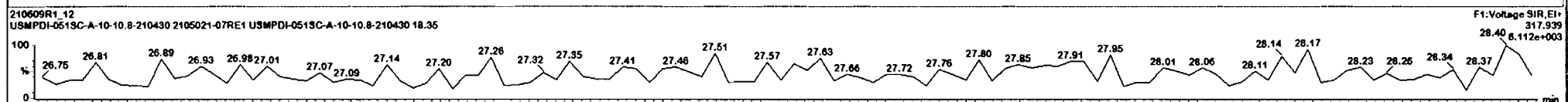
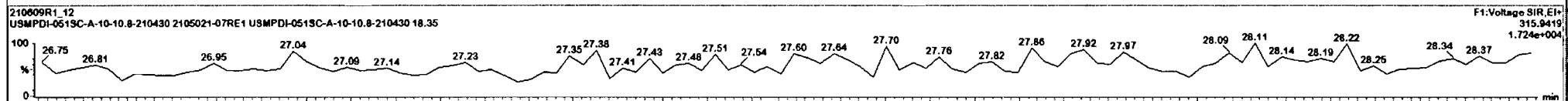
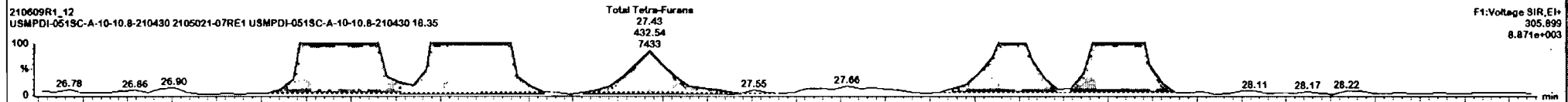
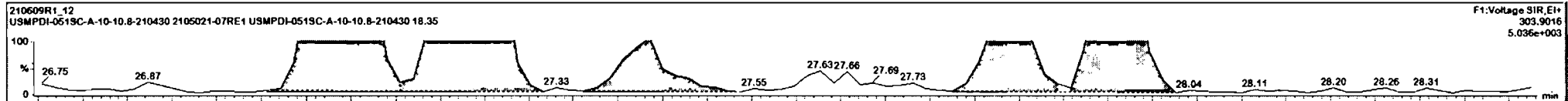
Name	RT (v)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	21.06	4.124e2	5.449e2	0.76	NO	0.95024	0.98024
2 Total Tetra-Furans	21.67	1.170e3	1.333e3	0.88	NO	2.5622	2.5622
3 Total Tetra-Furans	22.42	4.406e3	6.180e3	0.71	NO	10.840	10.840
4 Total Tetra-Furans	22.76	4.852e2	7.004e2	0.69	NO	1.2140	1.2140
5 Total Tetra-Furans	22.86	4.513e2	5.436e2	0.83	NO	1.0187	1.0187
6 Total Tetra-Furans	22.97	2.807e2	5.144e2	0.55	YES	0.66079	0.00000
7 Total Tetra-Furans	23.15	2.072e2	1.874e2	1.11	YES	0.33968	0.00000
8 Total Tetra-Furans	23.27	3.217e3	4.419e3	0.73	NO	7.8199	7.8199
9 Total Tetra-Furans	23.68	2.813e3	3.241e3	0.81	NO	5.9939	5.9939
10 Total Tetra-Furans	23.76	3.555e2	4.623e2	0.77	NO	0.83747	0.83747



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

Name	Resp	RA	n/y	RRF	wLvl	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.75	10.126			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.126			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.126			57.3	0.369	52.8	
46 Total Hexa-Furans				0.97	10.126			96.0	0.513	96.0	
47 Total Hepta-Furans				1.05	10.126			153	0.683	153	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT (s)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Tetra-Furans	21.06	4.124e2	5.449e2	0.76	NO	0.96024	0.96024
2 Total Tetra-Furans	21.67	1.170e3	1.333e3	0.88	NO	2.5622	2.5622
3 Total Tetra-Furans	22.42	4.496e3	6.180e3	0.71	NO	10.840	10.840
4 Total Tetra-Furans	22.76	4.852e2	7.004e2	0.69	NO	1.2140	1.2140
5 Total Tetra-Furans	22.86	4.513e2	5.436e2	0.83	NO	1.0187	1.0187
6 Total Tetra-Furans	22.97	2.867e2	5.144e2	0.55	YES	0.66079	0.00000
7 Total Tetra-Furans	23.15	2.072e2	1.674e2	1.11	YES	0.33968	0.00000
8 Total Tetra-Furans	23.27	3.217e3	4.419e3	0.73	NO	7.8199	7.8199
9 Total Tetra-Furans	23.68	2.613e3	3.241e3	0.81	NO	5.9939	5.9939
10 Total Tetra-Furans	23.78	3.555e2	4.623e2	0.77	NO	0.83747	0.83747



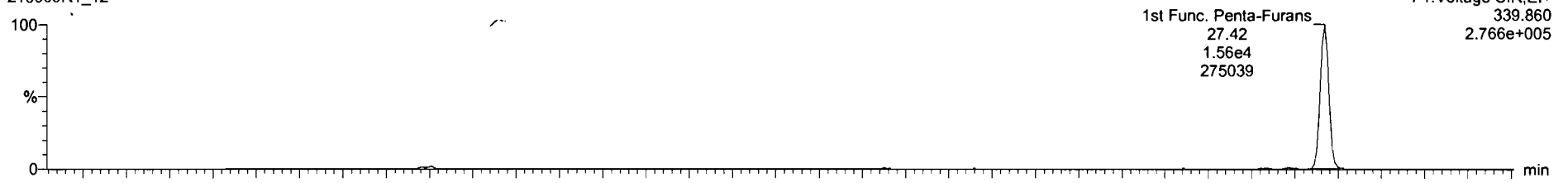
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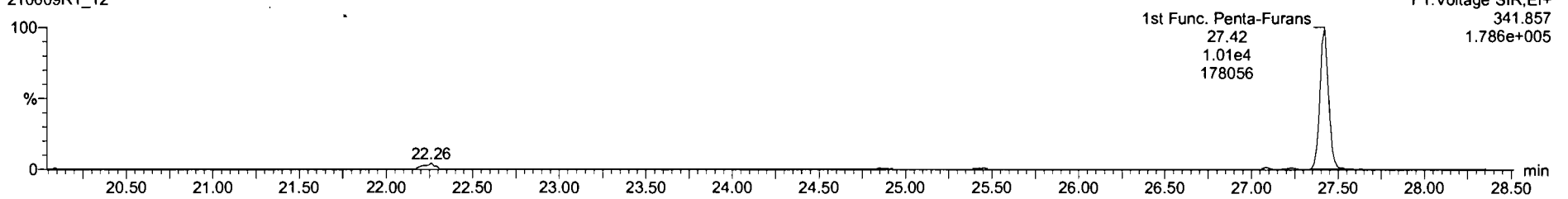
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1st Func. Penta-Furans

210609R1_12

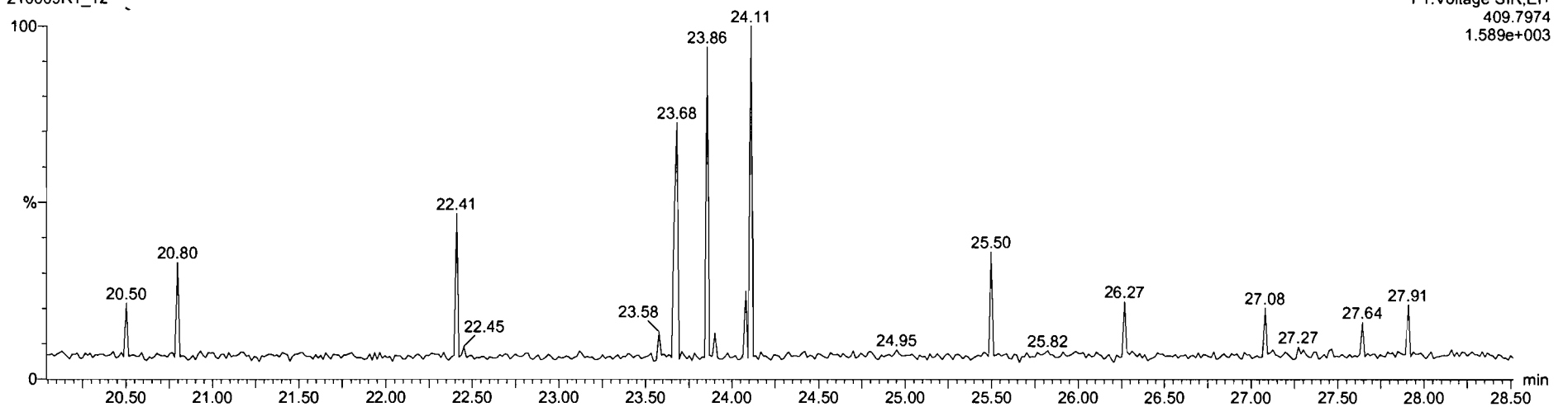


210609R1_12



DPE6

210609R1_12

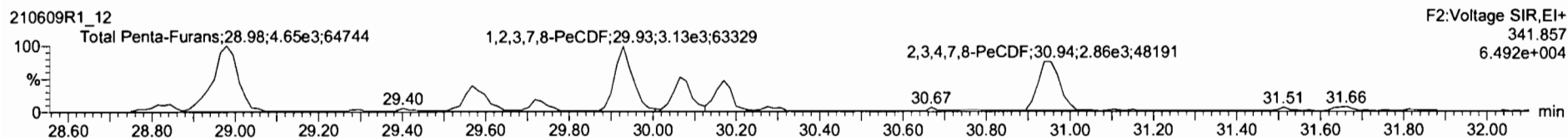
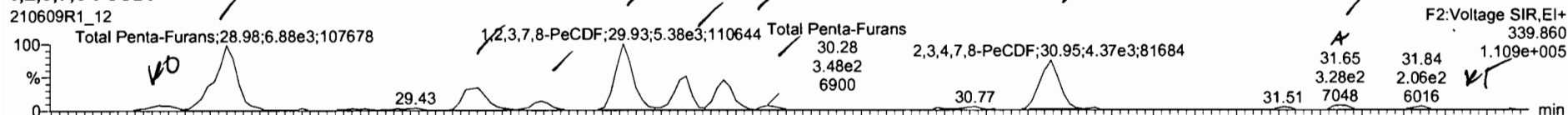


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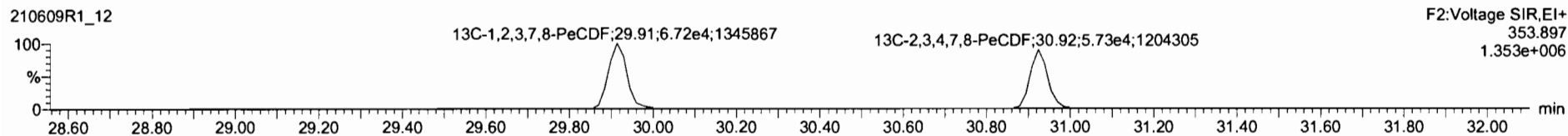
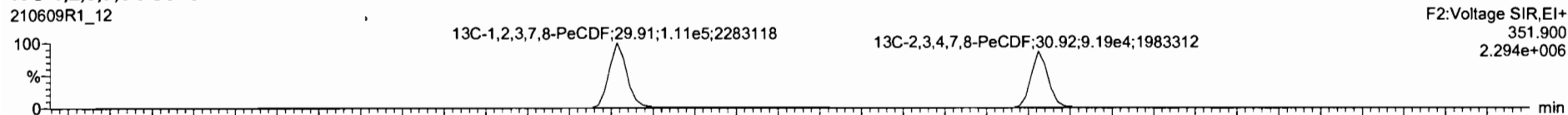
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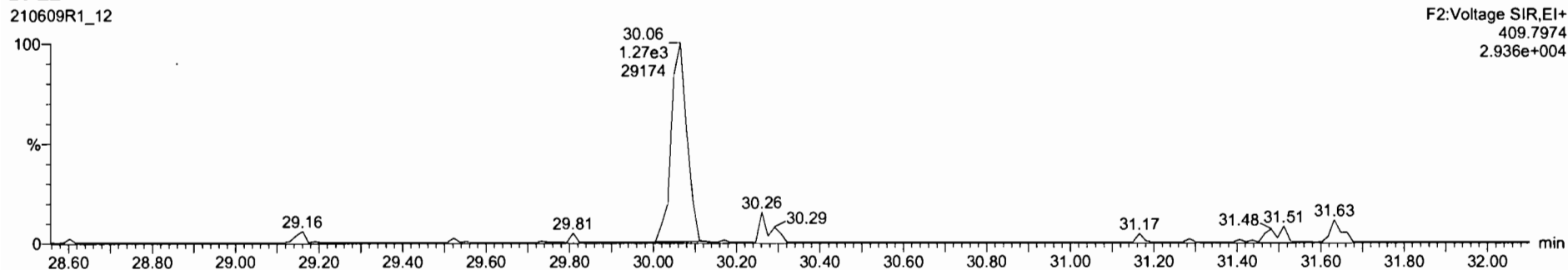
1,2,3,7,8-PeCDF



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



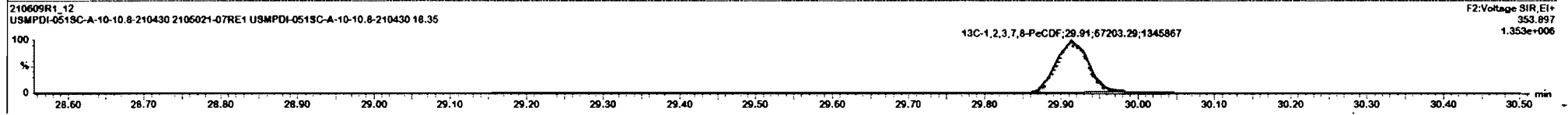
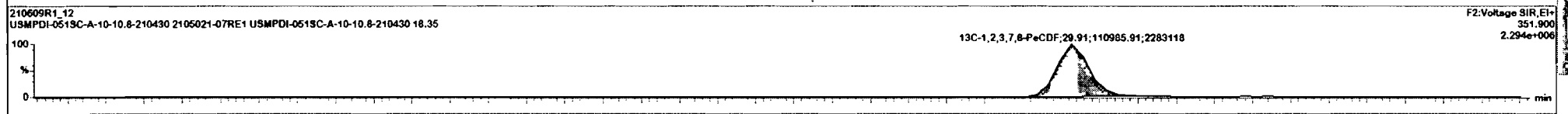
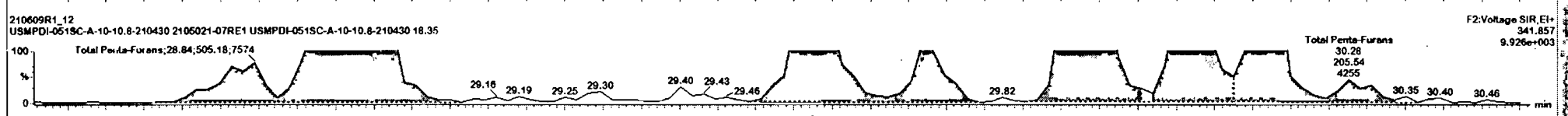
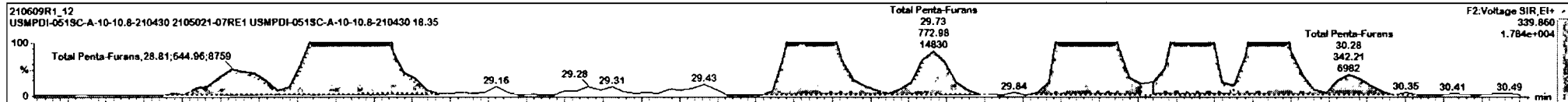
DPE2



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

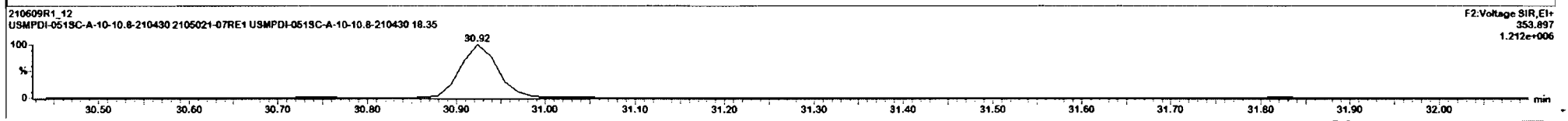
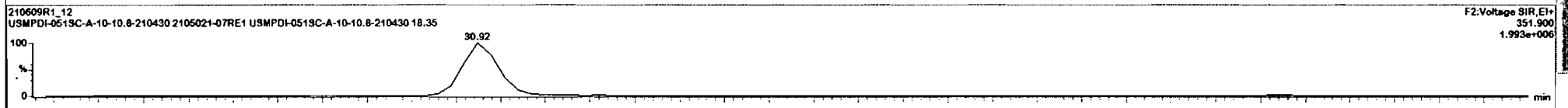
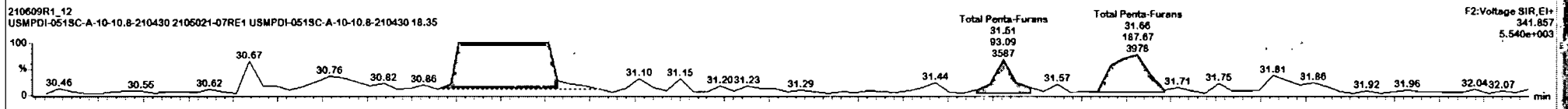
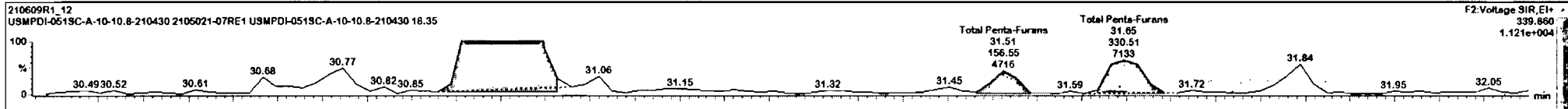
#	Name	Resp	RA	nly	RPF	wtVel	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				0.75	10.129			103		0.277	106
44	1st Func. Penta-Furans				0.88	10.129			35.2		0.120	35.2
45	Total Penta-Furans				0.88	10.129			57.3		0.359	58.8
46	Total Hexa-Furans				5.97	10.129			96.0		0.513	96.0
47	Total Hepta-Furans				1.05	10.129			153		0.683	153
48	DFK1											
49	DFK2											
50	DFK3											
51	DFK4											

#	Name	RT	ml Resp	m2 Resp	RA	nly	EMPC	Conc
1	Total Penta-Furans	28.81	6.450e2	5.052e2	1.28	YES	1.4592	0.00000
2	Total Penta-Furans	28.98	6.988e3	4.844e3	1.50	NO	15.996	15.996
3	Total Penta-Furans	29.58	2.544e3	1.554e3	1.64	NO	5.6366	5.6366
4	Total Penta-Furans	29.73	7.730e2	5.545e2	1.39	NO	1.8256	1.8256
5	1,2,3,7,8-PeCDF	29.93	5.351e2	3.131e3	1.72	NO	10.752	10.752
6	Total Penta-Furans	30.08	2.611e3	1.662e3	1.57	NO	5.8763	5.8763
7	Total Penta-Furans	30.17	2.496e3	1.444e3	1.73	NO	5.4192	5.4192
8	Total Penta-Furans	30.28	3.422e2	2.055e2	1.66	NO	0.75327	0.75327
9	2,3,4,7,8-PeCDF	30.95	4.412e3	2.849e3	1.55	NO	9.9891	9.9891
10	Total Penta-Furans	31.51	1.586e2	9.309e1	1.88	NO	0.34331	0.34331



Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46 Total Hexa-Furans				0.97	10.129			96.0	0.513	96.0	
47 Total Hepta-Furans				1.05	10.126			153	0.683	153	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Furans	28.81	6.450e2	5.052e2	1.28	YES	1.4582	0.00000
2 Total Penta-Furans	28.98	6.988e3	4.644e3	1.50	NO	15.996	15.996
3 Total Penta-Furans	29.58	2.544e3	1.554e3	1.64	NO	5.6366	5.6366
4 Total Penta-Furans	29.73	7.730e2	5.545e2	1.39	NO	1.8256	1.8256
5 1,2,3,7,8-PeCDF	29.93	5.381e3	3.131e3	1.72	NO	10.752	10.752
6 Total Penta-Furans	30.06	2.611e3	1.662e3	1.57	NO	5.8763	5.8763
7 Total Penta-Furans	30.17	2.496e3	1.444e3	1.73	NO	5.4192	5.4192
8 Total Penta-Furans	30.28	3.422e2	2.055e2	1.66	NO	0.75327	0.75327
9 2,3,4,7,8-PeCDF	30.95	4.412e3	2.849e3	1.55	NO	9.9681	9.9681
10 Total Penta-Furans	31.51	1.566e2	9.309e1	1.68	NO	0.34331	0.34331

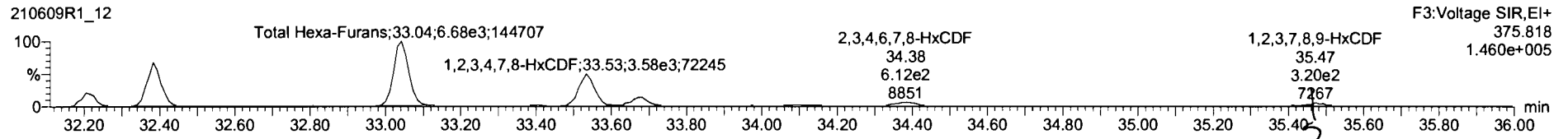
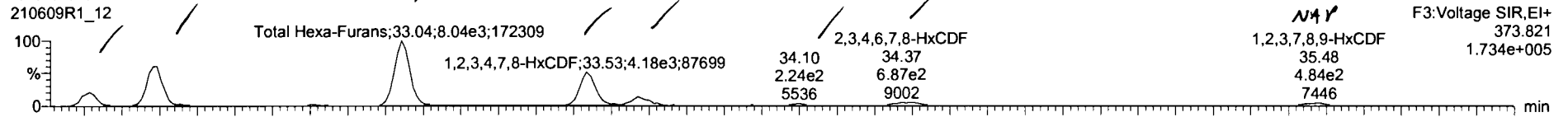


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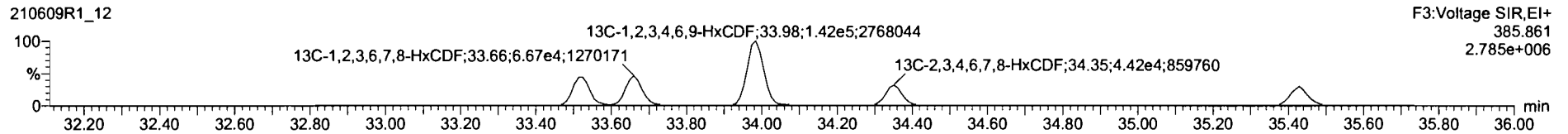
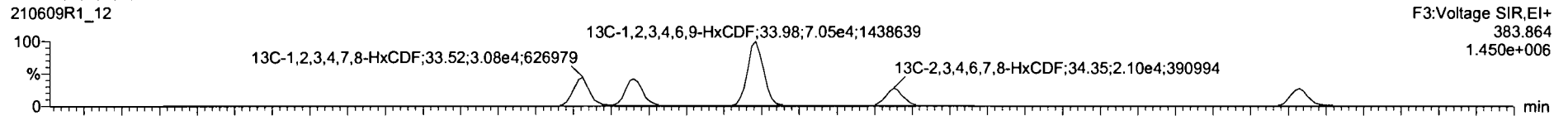
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Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430

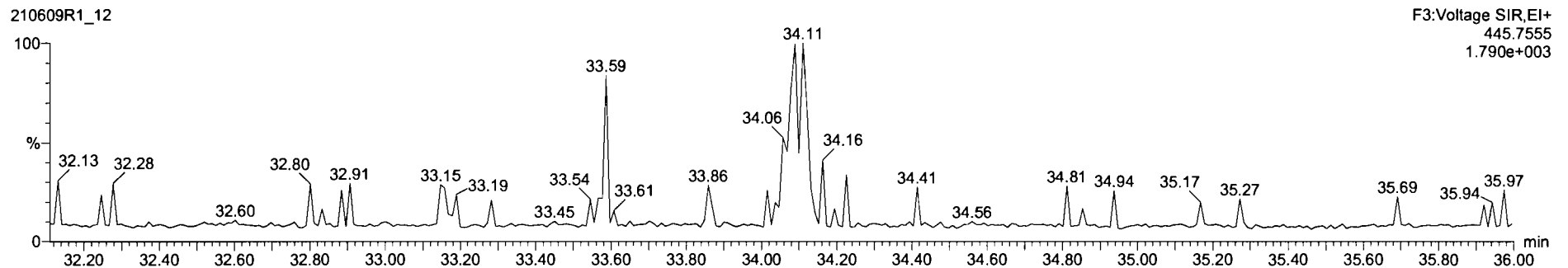
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13C-1,2,3,4,7,8-HxCDF

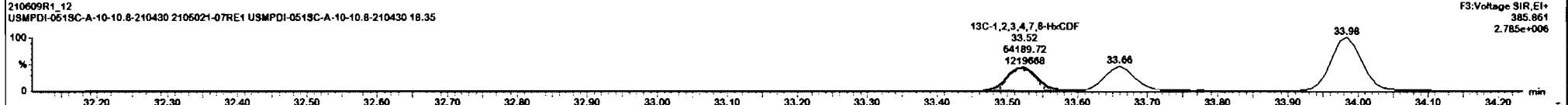
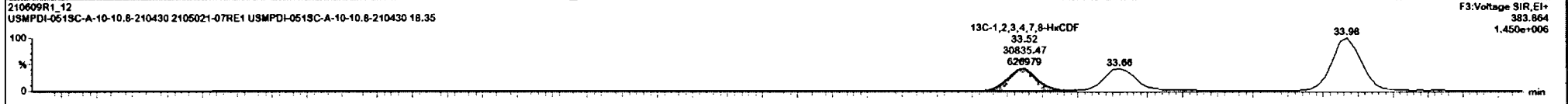
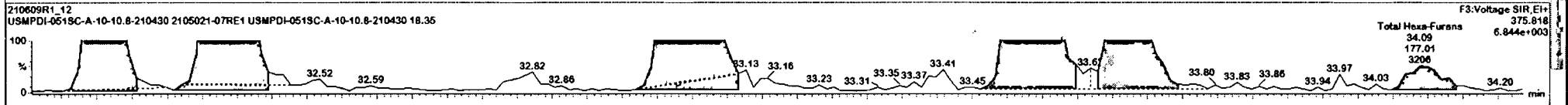
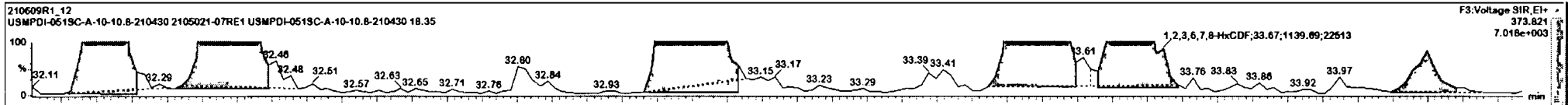


DPE3



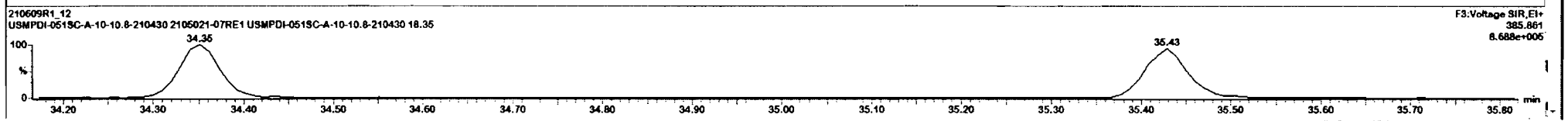
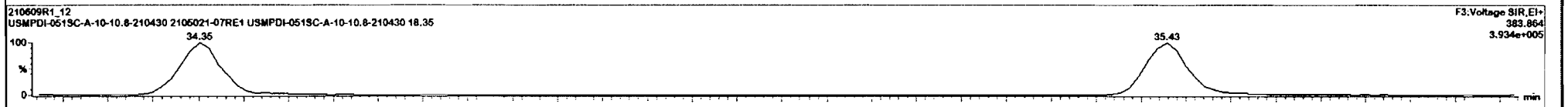
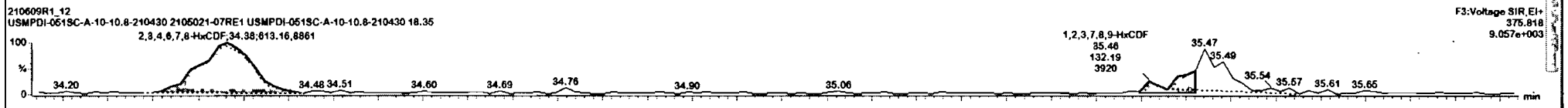
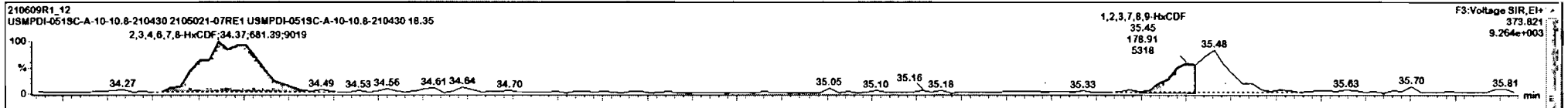
Name	Resp	RA	n1	RRF	wbwt	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans			5.75	10.129				103	0.277	106	
44 1st Func. Penta-Furans			0.88	10.129				35.2	0.120	35.2	
45 Total Penta-Furans			0.88	10.129				57.3	0.259	58.8	
46 Total Hexa-Furans			0.97	10.129				96.1	0.513	96.1	
47 Total Hepta-Furans			1.05	10.129				153	0.683	153	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT	m1 Resp	m2 Resp	RA	n1	EMPC	Conc.
1 Total Hexa-Furans	32.22	1.625e3	1.364e3	1.19	NO	7.4457	7.4457
2 Total Hexa-Furans	32.39	5.877e3	4.339e3	1.17	NO	23.457	23.457
3 Total Hexa-Furans	33.04	8.144e3	6.835e3	1.19	NO	37.316	37.316
4 1,2,3,4,7,8-HxCDF	33.53	4.115e3	3.521e3	1.17	NO	17.240	17.240
5 1,2,3,6,7,8-HxCDF	33.67	1.140e3	1.058e3	1.08	NO	4.6944	4.6944
6 Total Hexa-Furans	34.10	2.158e2	1.770e2	1.24	NO	0.98613	0.98613
7 2,3,4,6,7,8-HxCDF	34.37	6.814e2	6.132e2	1.11	NO	4.0280	4.0280
8 1,2,3,7,8,9-HxCDF	35.45	1.759e2	1.322e2	1.35	NO	0.97505	0.97505



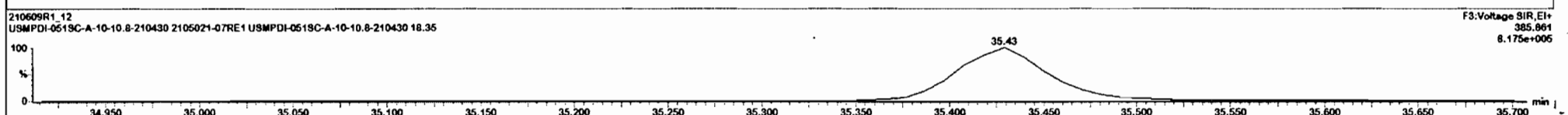
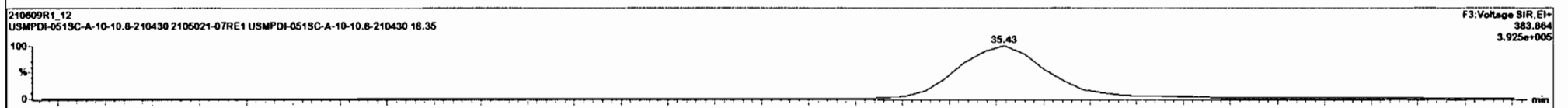
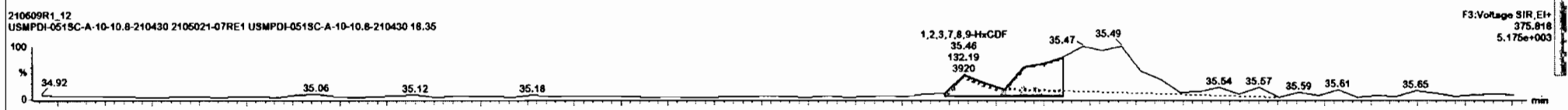
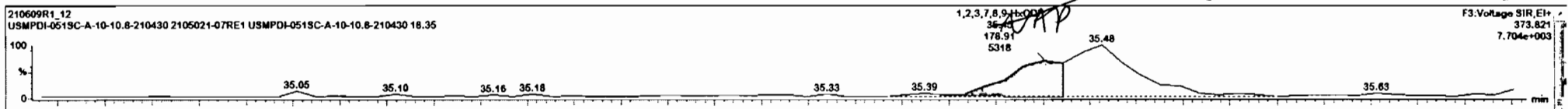
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.75	10.129			103	0.277	106	
44 1st Func. Penta-Furans				0.68	10.129			35.2	0.120	35.2	
45 Total Penta-Furans				0.68	10.129			57.3	0.259	58.8	
46 Total Hexa-Furans				0.87	10.129			96.1	0.513	96.1	
47 Total Hexa-Furans				1.05	10.129			153	0.683	153	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT (s)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.22	1.625e3	1.364e3	1.19	NO	7.4457	7.4457
2 Total Hexa-Furans	32.39	5.077e3	4.339e3	1.17	NO	23.457	23.457
3 Total Hexa-Furans	33.04	8.144e3	6.835e3	1.19	NO	37.316	37.316
4 1,2,3,4,7,8-HxCDF	33.53	4.115e3	3.521e3	1.17	NO	17.240	17.240
5 1,2,3,6,7,8-HxCDF	33.67	1.140e3	1.050e3	1.08	NO	4.6944	4.6944
6 Total Hexa-Furans	34.10	2.158e2	1.770e2	1.24	NO	0.99613	0.96613
7 2,3,4,6,7,8-HxCDF	34.37	6.814e2	5.132e2	1.11	NO	4.0280	4.0280
8 1,2,3,7,8,9-HxCDF	35.45	1.789e2	1.322e2	1.35	NO	0.97505	0.97505



#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				0.75	10.129			103	0.277	106	
44	1st Func. Penta-Furans				0.88	10.129			35.2	0.120	35.2	
45	Total Penta-Furans				0.88	10.129			57.3	0.359	58.8	
46	Total Hexa-Furans				0.97	10.129			96.1	0.513	96.1	
47	Total Hepta-Furans				1.05	10.129			153	0.683	153	
48	PK1											
49	PK2											
50	PK3											
51	PK4											

#	Name	RT (e)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furana	32.22	1.625e3	1.364e3	1.19	NO	7.4457	7.4457
2	Total Hexa-Furana	32.39	5.077e3	4.339e3	1.17	NO	23.457	22.457
3	Total Hexa-Furana	33.04	8.144e3	6.835e3	1.19	NO	37.316	37.316
4	1,2,3,4,7,8-HxCDF	33.53	4.115e3	3.521e3	1.17	NO	17.240	17.240
5	1,2,3,6,7,8-HxCDF	33.67	1.140e3	1.058e3	1.06	NO	4.6944	4.6944
6	Total Hexa-Furana	34.10	2.188e2	1.770e2	1.24	NO	0.99613	0.99613
7	2,3,4,6,7,8-HxCDF	34.37	6.814e2	6.132e2	1.11	NO	4.0280	4.0280
8	1,2,3,7,8,9-HxCDF	35.45	1.785e2	1.322e2	1.35	NO	0.97505	0.97505

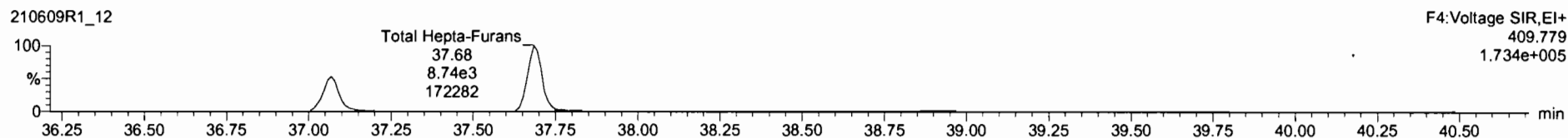
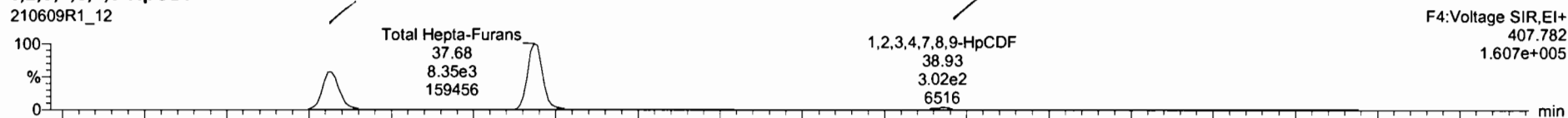


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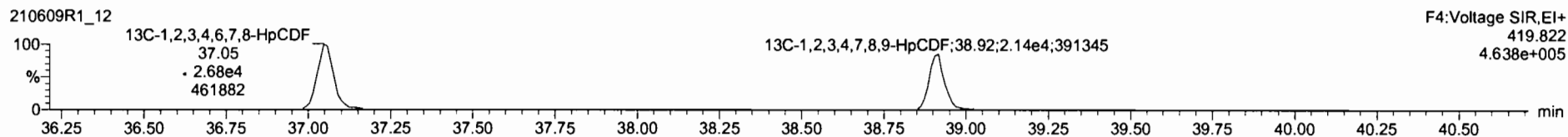
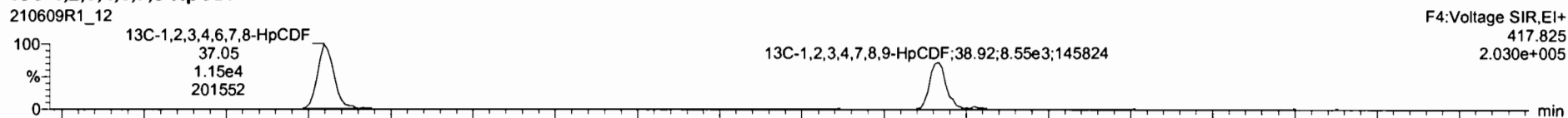
Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430

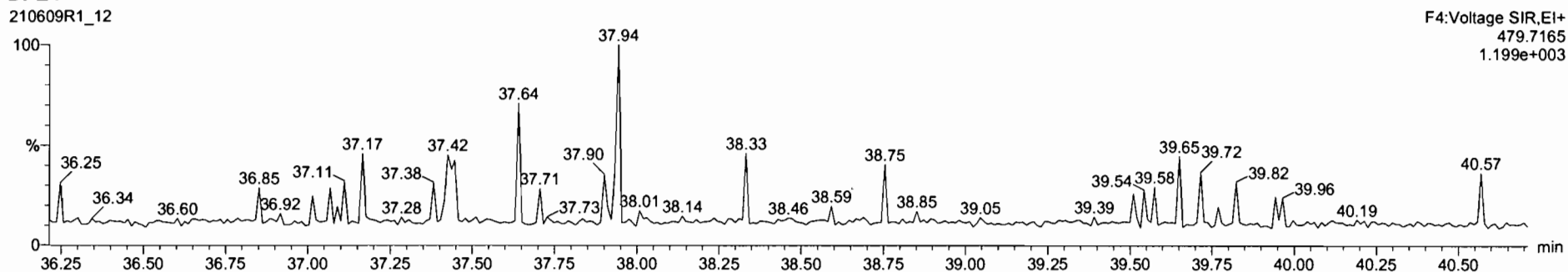
1,2,3,4,6,7,8-HpCDF



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



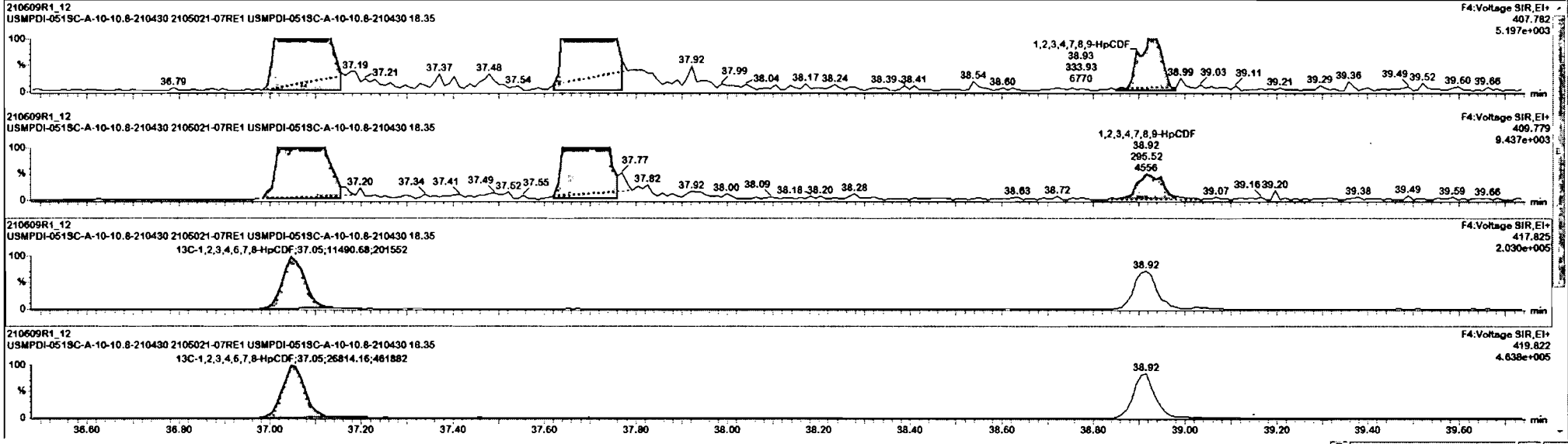
DPE4



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans			0.75	10.129			103	0.277		106
44	1st Func. Penta-Furans			0.88	10.129			35.2	0.120		35.2
45	Total Penta-Furans			0.88	10.129			57.3	0.359		52.8
46	Total Hexa-Furans			0.97	10.129			95.2	0.513		95.2
47	Total Hepta-Furans			1.05	10.129			153	0.683		153
48	PFK1										
49	PFK2										
50	PFK3										
51	PFK4										

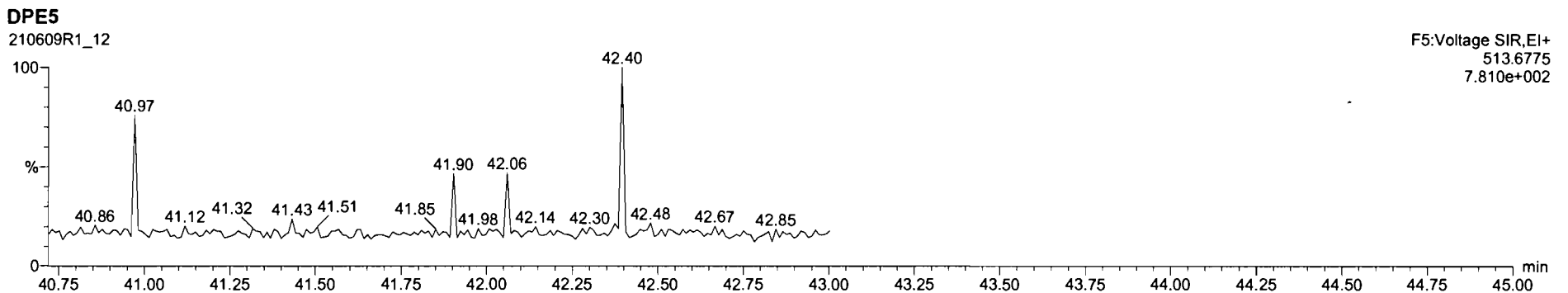
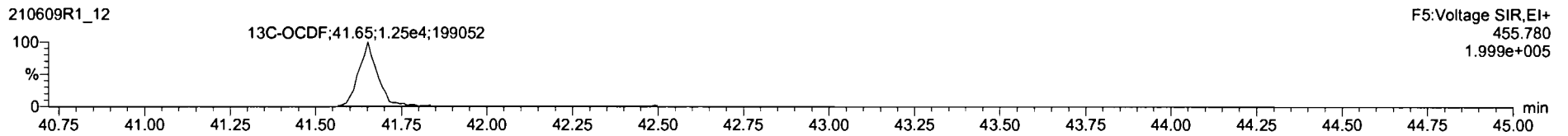
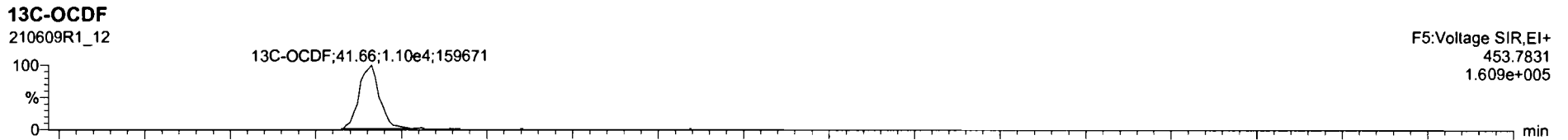
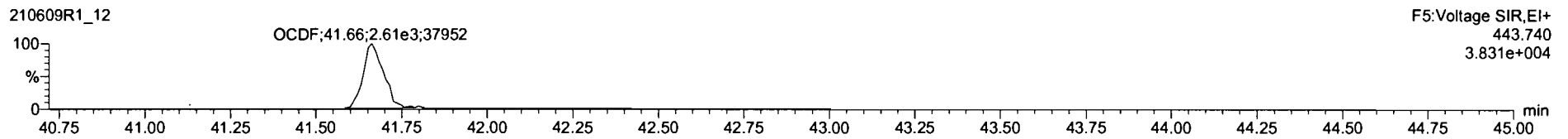
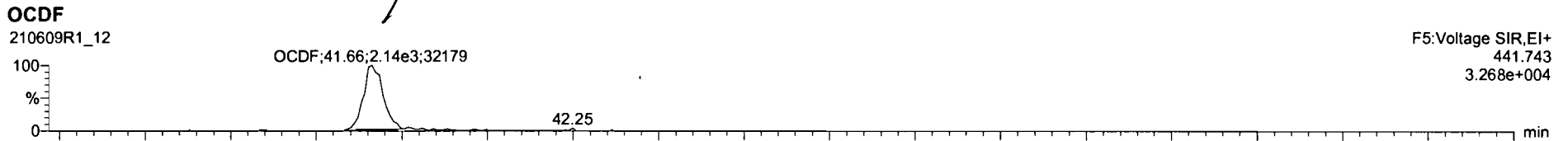
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	1,2,3,4,6,7,8-HpCDF	37.07	5.563e3	5.261e3	1.06	NO	53.233
2	Total Hepta-Furans	37.68	8.525e3	8.790e3	0.97	NO	95.585
3	1,2,3,4,7,8,9-HpCDF	38.93	3.329e2	2.955e2	1.13	NO	3.9702



Dataset: Untitled

Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

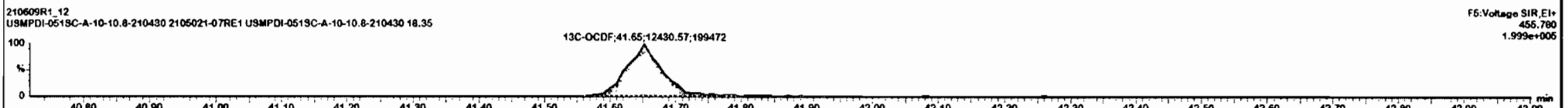
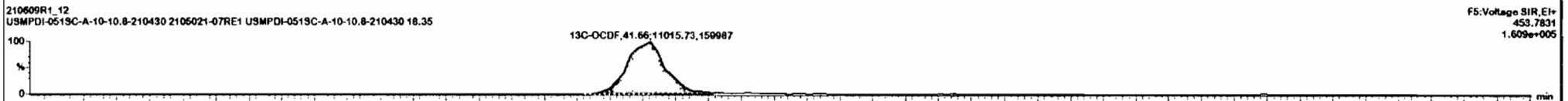
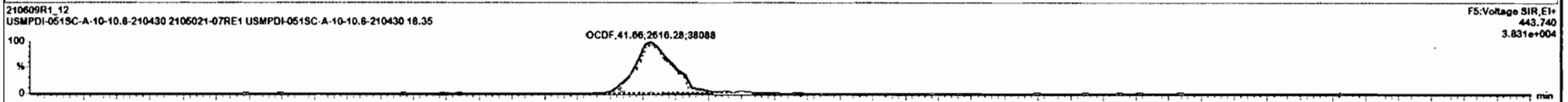
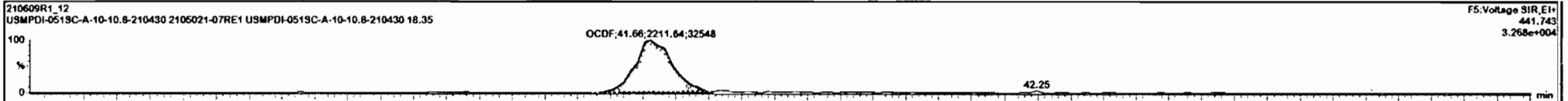
Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430



210609R1_12 - 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35 - USMPDI-051SC-A-10-10.8-210430

Name	Resp	RA	nY	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
13 2,3,4,6,7,8-HxCDF	1.29e3	1.11	NO	0.97	10.129	34.37	1.001	4.03		0.652	4.03
14 1,2,3,7,8,9-HxCDF			NO	0.94	10.129					0.671	
15 1,2,3,4,6,7,8-HpCDF	1.08e4	1.06	NO	1.05	10.129	37.07	1.001	53.2		0.600	53.2
16 1,2,3,4,7,8,9-HpCDF	6.29e2	1.13	NO	1.05	10.129	36.93	1.000	3.97		0.792	3.97
17 OCDF	4.83e3	0.85	NO	0.77	10.129	41.68	1.000	105		2.17	105
18 13C-2,3,7,8-TCDD	2.11e5	0.76	NO	1.10	10.129	26.65	1.028	126	64.0	0.278	
19 13C-1,2,3,7,8-PeCDD	1.16e5	0.60	NO	0.86	10.129	31.10	1.200	88.5	44.8	0.264	
20 13C-1,2,3,4,7,8-HxCDD	6.14e4	1.32	NO	0.75	10.129	34.46	1.014	76.6	38.6	0.471	
21 13C-1,2,3,7,8-HxCDD	7.10e4	1.25	NO	0.85	10.129	34.56	1.018	78.0	39.5	0.415	

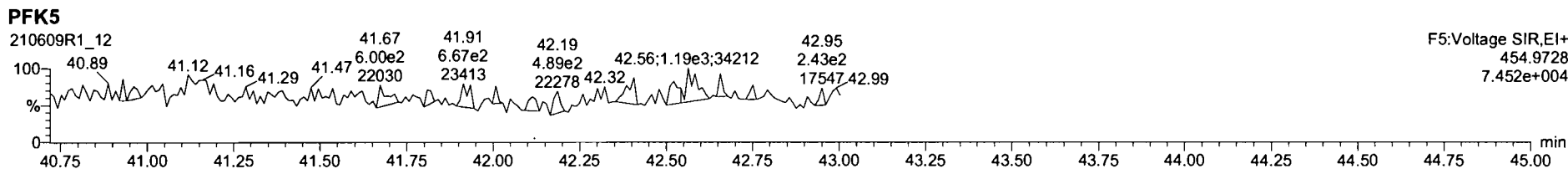
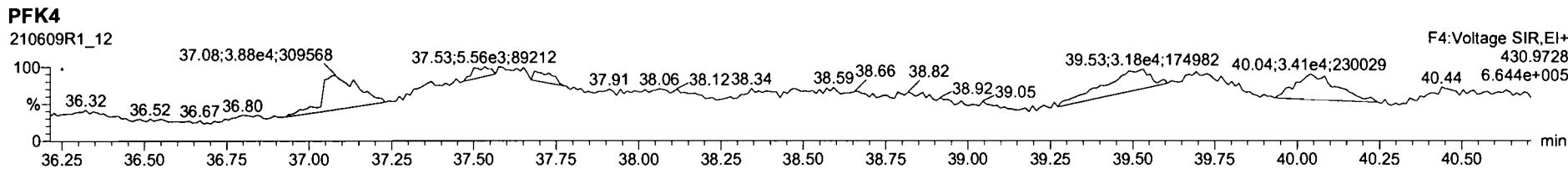
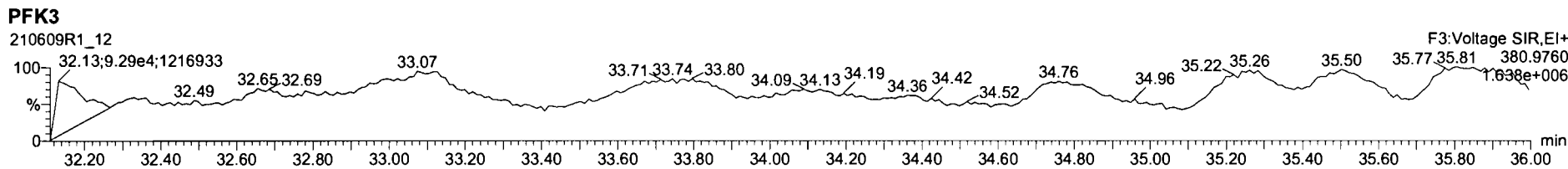
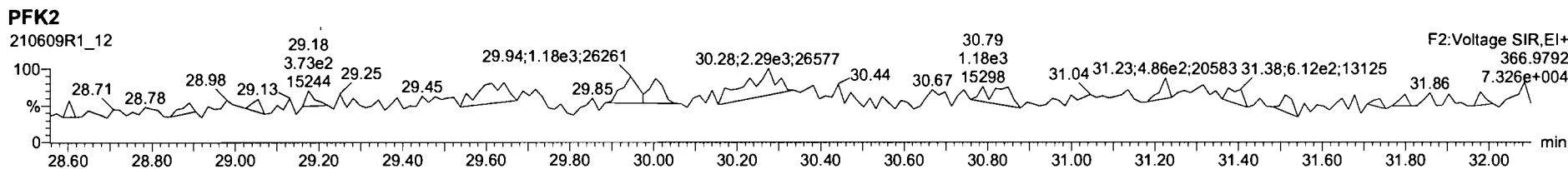
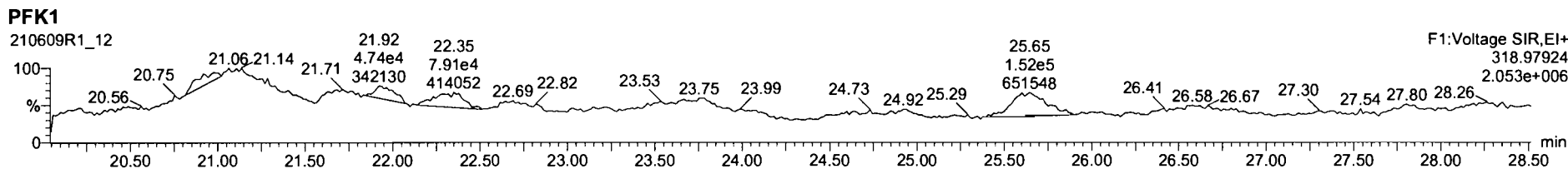
Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc
1							



Dataset: Untitled

Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1_12, Date: 09-Jun-2021, Time: 19:07:25, ID: 2105021-07RE1 USMPDI-051SC-A-10-10.8-210430 18.35, Description: USMPDI-051SC-A-10-10.8-210430



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST210524D2-1

Reviewed By: HN 05/27/21

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"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>He</u>	<u>D</u>
Run Log:		
- 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>He</u>	<u>He</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) Begin res check used from ST210524D1, did not print

 (B) some masses under 10k

Dataset: U:\VG7.PRO\Results\210524D2\210524D2-2.qld

Last Altered: Tuesday, May 25, 2021 8:48:27 AM Pacific Daylight Time
Printed: Wednesday, May 26, 2021 2:52:13 PM Pacific Daylight Time

HN 05/27/21
lk 5:16 AM

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210524D2_2, Date: 24-May-2021, Time: 19:56:42, ID: ST210524D2-1 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	8.32e3	8.13e4	0.76	NO	1.05	26.96	26.95	NO	1.001	1.001	9.7666	97.7	NO
2	2 1,2,3,7,8-PeCDD	2.63e4	5.86e4	0.61	NO	0.881	31.13	31.11	NO	1.001	1.000	50.974	102	NO
3	3 1,2,3,4,7,8-HxCDD	2.69e4	4.79e4	1.29	NO	1.14	34.54	34.54	NO	1.000	1.000	49.077	98.2	NO
4	4 1,2,3,6,7,8-HxCDD	2.65e4	5.37e4	1.29	NO	1.01	34.67	34.66	NO	1.000	1.000	48.809	97.6	NO
5	5 1,2,3,7,8,9-HxCDD	2.72e4	5.25e4	1.27	NO	1.02	34.99	34.97	NO	1.001	1.000	50.880	102	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.16e4	4.27e4	1.03	NO	1.07	38.41	38.41	NO	1.000	1.000	47.535	95.1	NO
7	7 OCDD	3.10e4	6.14e4	0.95	NO	1.00	42.53	42.60	NO	1.000	1.002	100.92	101	NO
8	8 2,3,7,8-TCDF	1.12e4	1.35e5	0.71	NO	0.864	26.38	26.37	NO	1.001	1.001	9.5867	95.9	NO
9	9 1,2,3,7,8-PeCDF	4.53e4	9.22e4	1.70	NO	0.948	30.00	30.00	NO	1.001	1.001	51.836	104	NO
10	10 2,3,4,7,8-PeCDF	5.13e4	9.40e4	1.65	NO	1.04	30.96	30.95	NO	1.001	1.001	52.565	105	NO
11	11 1,2,3,4,7,8-HxCDF	3.93e4	7.92e4	1.26	NO	1.04	33.57	33.55	NO	1.001	1.000	47.578	95.2	NO
12	12 1,2,3,6,7,8-HxCDF	4.14e4	8.02e4	1.27	NO	1.07	33.70	33.70	NO	1.000	1.000	48.040	96.1	NO
13	13 2,3,4,6,7,8-HxCDF	3.88e4	7.02e4	1.32	NO	1.12	34.43	34.44	NO	1.000	1.001	49.476	99.0	NO
14	14 1,2,3,7,8,9-HxCDF	3.36e4	6.50e4	1.29	NO	1.10	35.50	35.51	NO	1.000	1.000	47.116	94.2	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.28e4	5.55e4	1.06	NO	1.16	37.11	37.09	NO	1.001	1.001	50.896	102	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.55e4	4.33e4	1.03	NO	1.19	39.21	39.23	NO	1.000	1.001	49.663	99.3	NO
17	17 OCDF	3.82e4	8.74e4	0.89	NO	0.909	42.95	42.96	NO	1.000	1.000	96.108	96.1	NO
18	18 13C-2,3,7,8-TCDD	8.13e4	6.93e4	0.78	NO	1.15	26.92	26.94	NO	1.024	1.025	102.43	102	NO
19	19 13C-1,2,3,7,8-PeCDD	5.86e4	6.93e4	0.63	NO	0.887	31.11	31.11	NO	1.184	1.184	95.445	95.4	NO
20	20 13C-1,2,3,4,7,8-HxCDD	4.79e4	7.97e4	1.26	NO	0.645	34.51	34.53	NO	1.014	1.015	93.156	93.2	NO
21	21 13C-1,2,3,6,7,8-HxCDD	5.37e4	7.97e4	1.30	NO	0.717	34.67	34.65	NO	1.019	1.018	93.978	94.0	NO
22	22 13C-1,2,3,7,8,9-HxCDD	5.25e4	7.97e4	1.29	NO	0.714	34.94	34.96	NO	1.027	1.027	92.139	92.1	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.27e4	7.97e4	1.06	NO	0.583	38.33	38.40	NO	1.127	1.128	91.855	91.9	NO
24	24 13C-OCDD	6.14e4	7.97e4	0.91	NO	0.451	41.87	42.53	NO	1.230	1.250	170.50	85.3	NO
25	25 13C-2,3,7,8-TCDF	1.35e5	1.23e5	0.76	NO	1.09	26.34	26.36	NO	1.002	1.003	100.94	101	NO
26	26 13C-1,2,3,7,8-PeCDF	9.22e4	1.23e5	1.63	NO	0.805	29.98	29.98	NO	1.141	1.141	93.104	93.1	NO
27	27 13C-2,3,4,7,8-PeCDF	9.40e4	1.23e5	1.61	NO	0.792	30.93	30.93	NO	1.177	1.177	96.436	96.4	NO
28	28 13C-1,2,3,4,7,8-HxCDF	7.92e4	7.97e4	0.50	NO	0.997	33.53	33.54	NO	0.985	0.986	99.532	99.5	NO
29	29 13C-1,2,3,6,7,8-HxCDF	8.02e4	7.97e4	0.49	NO	1.03	33.70	33.69	NO	0.990	0.990	97.734	97.7	NO
30	30 13C-2,3,4,6,7,8-HxCDF	7.02e4	7.97e4	0.49	NO	0.940	34.40	34.42	NO	1.011	1.012	93.632	93.6	NO
31	31 13C-1,2,3,7,8,9-HxCDF	6.50e4	7.97e4	0.49	NO	0.852	35.51	35.50	NO	1.044	1.043	95.610	95.6	NO

Dataset: U:\VG7.PRO\Results\210524D2\210524D2-2.qld

Last Altered: Tuesday, May 25, 2021 8:48:27 AM Pacific Daylight Time
Printed: Wednesday, May 26, 2021 2:52:13 PM Pacific Daylight Time

Name: 210524D2_2, Date: 24-May-2021, Time: 19:56:42, ID: ST210524D2-1 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	5.55e4	7.97e4	0.44	NO	0.727	37.06	37.07	NO	1.089	1.089	95.821	95.8	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.33e4	7.97e4	0.42	NO	0.608	39.02	39.21	NO	1.147	1.152	89.259	89.3	NO
34	34 13C-OCDF	8.74e4	7.97e4	0.88	NO	0.631	42.23	42.95	NO	1.241	1.262	173.78	86.9	NO
35	35 37Cl-2,3,7,8-TCDD	1.45e4	6.93e4			2.22	26.93	26.95	NO	1.025	1.026	9.4429	94.4	NO
36	36 13C-1,2,3,4-TCDD	6.93e4	6.93e4	0.85	NO	1.00	26.28	26.28	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.23e5	1.23e5	0.77	NO	1.00	25.04	25.04	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	7.97e4	7.97e4	0.49	NO	1.00	34.06	34.03	NO	1.000	1.000	100.00	100	NO

Dataset: Untitled

Last Altered: Wednesday, May 26, 2021 11:18:58 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 11:33:38 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_5-19-21.mdb 19 May 2021 12:17:04
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Compound name: 37Cl-2,3,7,8-TCDD

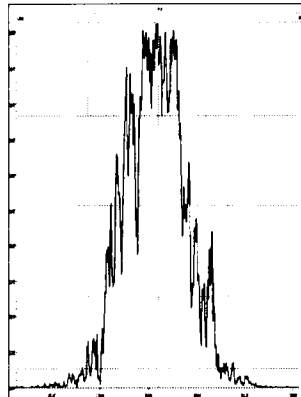
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1	210524D2_1	SOLVENT BLANK	24-May-21	19:11:02
2	210524D2_2	ST210524D2-1 1613 CS3 21C0105	24-May-21	19:56:42
3	210524D2_3	B1E0138-BS1 OPR 10	24-May-21	20:43:24
4	210524D2_4	SOLVENT BLANK	24-May-21	21:30:05
5	210524D2_5	B1E0138-BLK1 Method Blank 10	24-May-21	22:16:47
6	210524D2_6	2105020-01 USMPDI-017SC-A-00-01-210429 ...	24-May-21	23:03:22
7	210524D2_7	2105020-02 USMPDI-017SC-A-02-03-210429 ...	24-May-21	23:50:03
8	210524D2_8	2105020-03 USMPDI-017SC-A-12-13-210429 ...	25-May-21	00:36:39
9	210524D2_9	2105020-04 USMPDI-017SC-A-13-14-210429 ...	25-May-21	01:23:20
10	210524D2_10	2105020-05 USMPDI-017SC-A-14-15-210429 ...	25-May-21	02:09:58
11	210524D2_11	2105020-06 USMPDI-017SC-A-15-16-210429 ...	25-May-21	02:56:43
12	210524D2_12	2105020-07 USMPDI-020SC-A-15-16-210429 ...	25-May-21	03:42:37
13	210524D2_13	B1E0138-DUP1 Duplicate 16.44	25-May-21	04:29:20
14	210524D2_14	2105020-08 USMPDI-020SC-A-16-17.4-21042...	25-May-21	05:16:04
15	210524D2_15	2105020-09 USMPDI-1020SC-A-16-17.4-2104...	25-May-21	06:02:47

Ⓟ Bad inj, RI

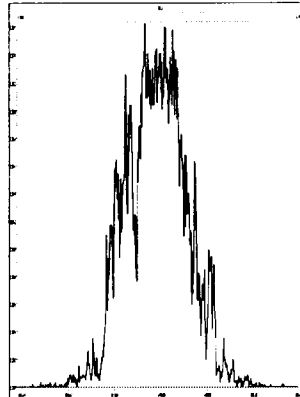
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, May 24, 2021 12:34:47 Pacific Daylight Time

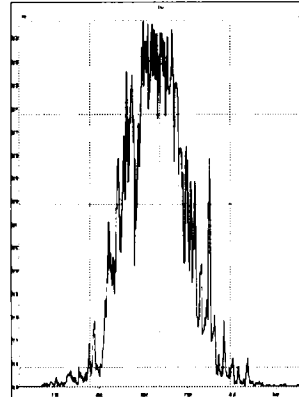
M 292.9824 R 11958



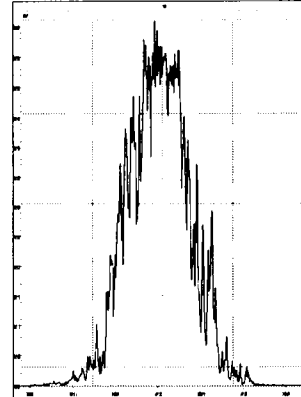
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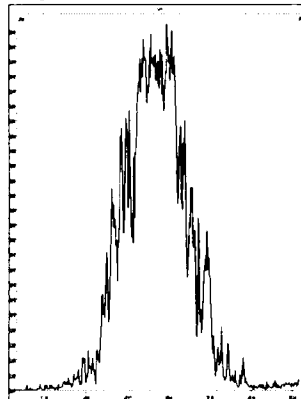
M 318.9792 R 12134



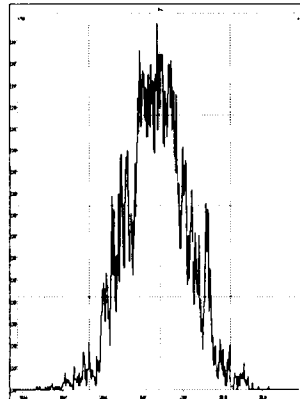
M 330.9792 R 11958



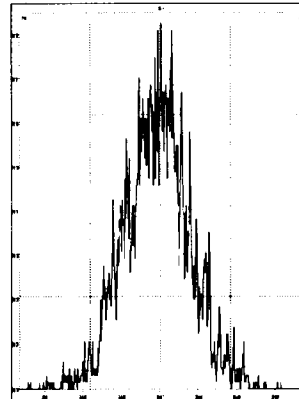
M 342.9792 R 11848



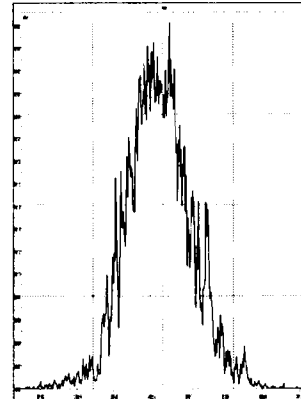
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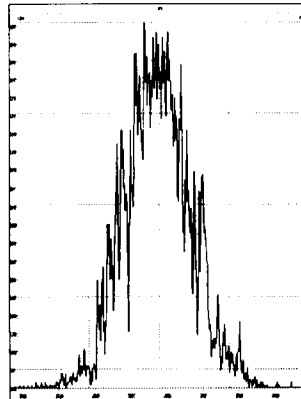
M 366.9792 R 11733



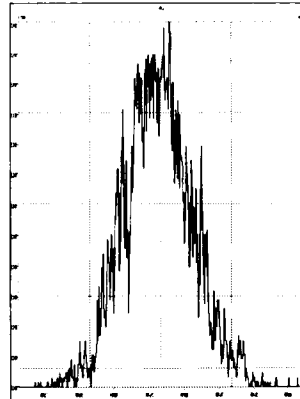
M 380.9760 R 11363



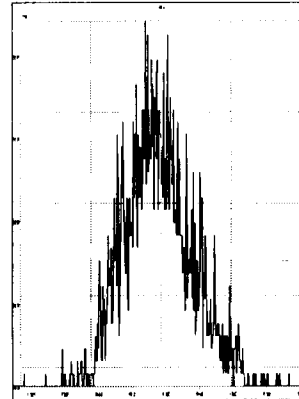
M 392.9760 R 10202



M 404.9760 R 10639



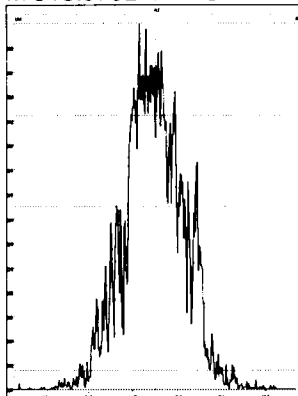
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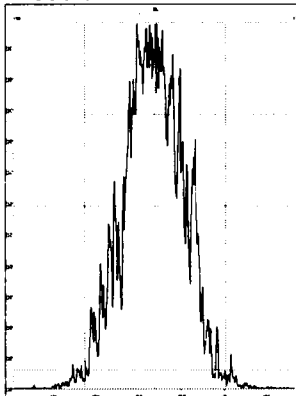
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Printed: Monday, May 24, 2021 12:35:41 Pacific Daylight Time

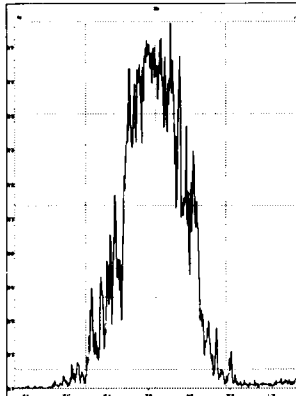
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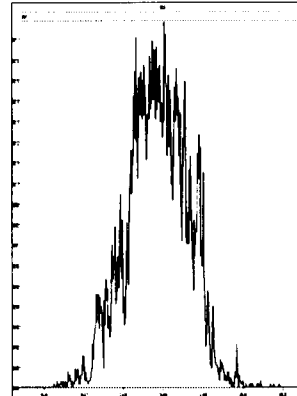
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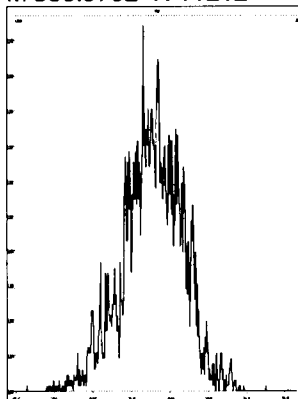
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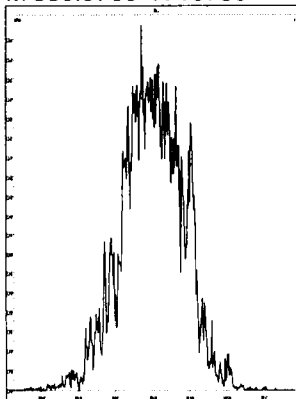
M 354.9792 R 11012



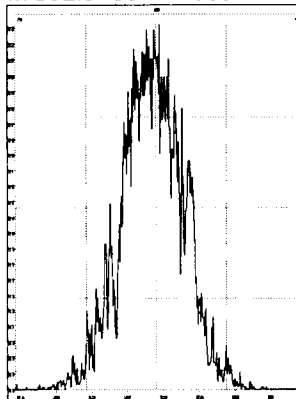
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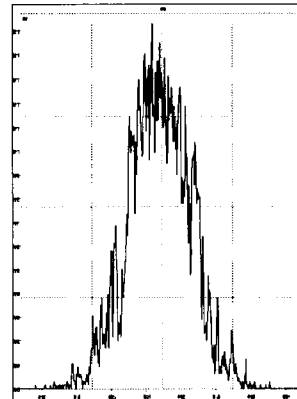
M 380.9760 R 10730



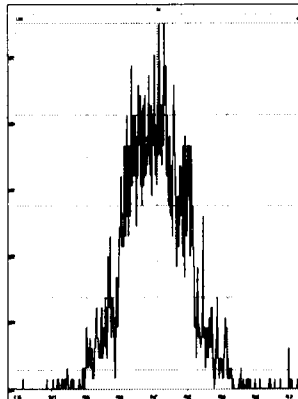
M 392.9760 R 10682



M 404.9760 R 11360



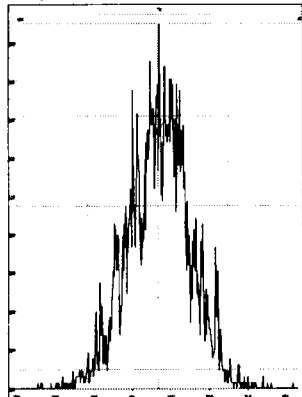
M 416.9760 R 11737



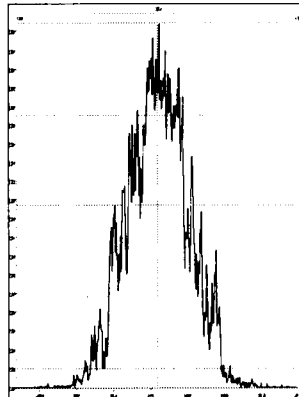
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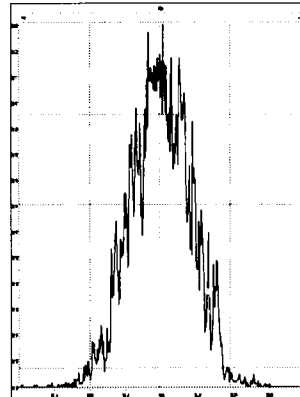
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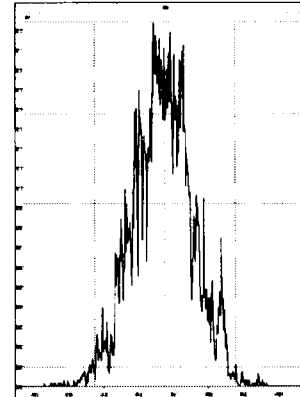
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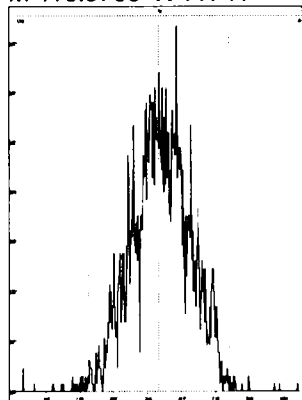
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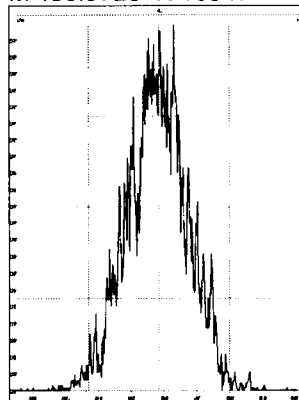
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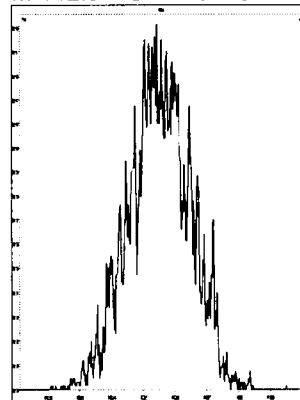
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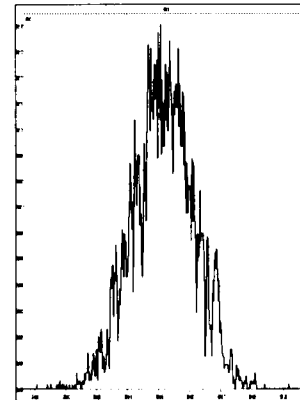
M 430.9728 R 10547



M 442.9728 R 10773



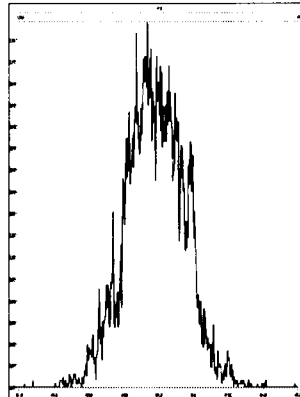
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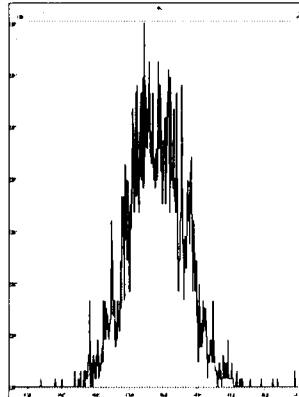
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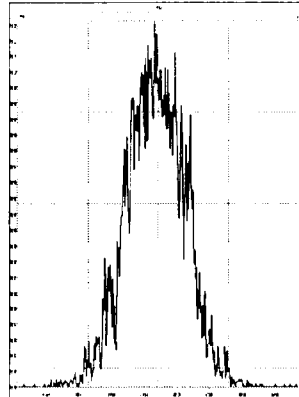
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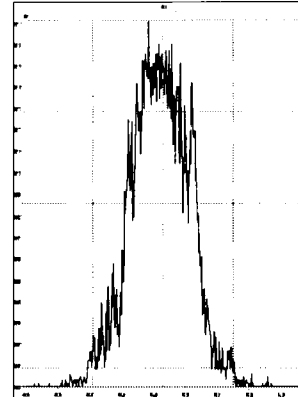
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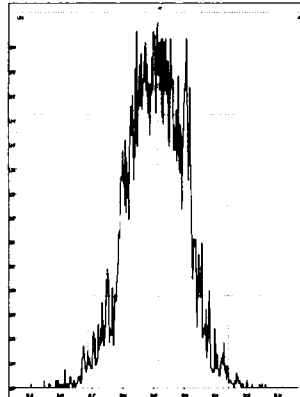
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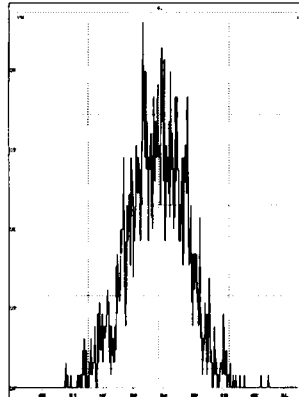
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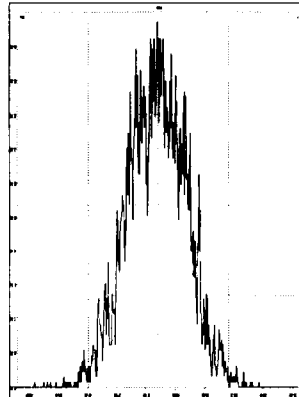
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M 466.9728 R 13019



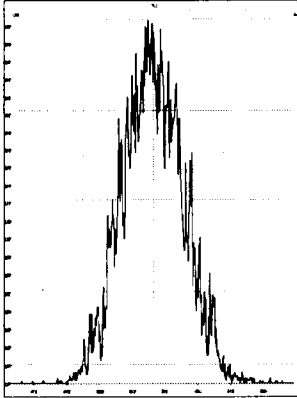
M 480.9696 R 12313



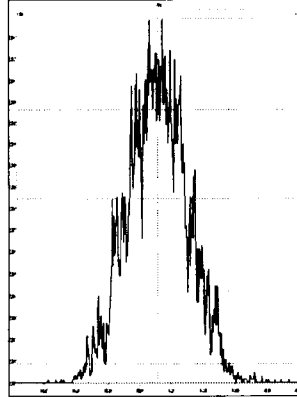
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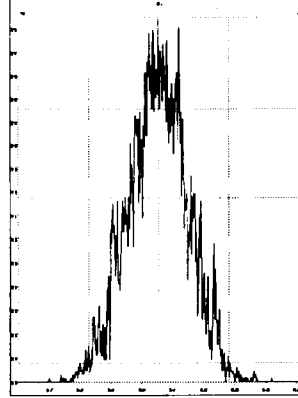
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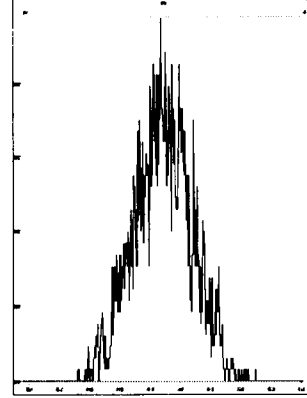
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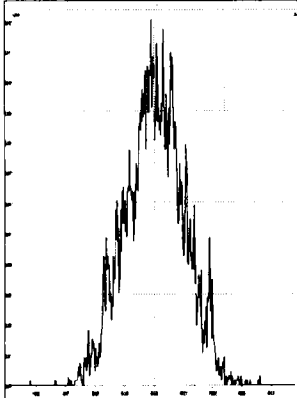
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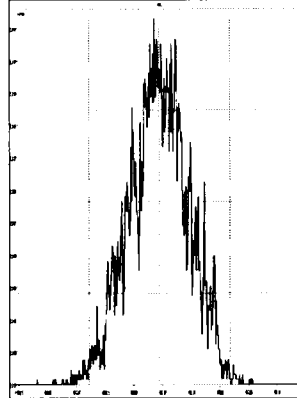
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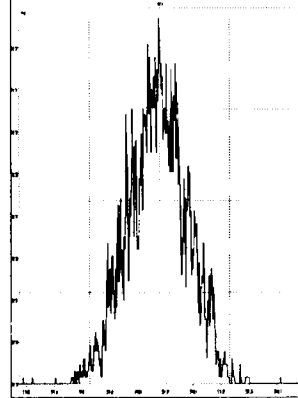
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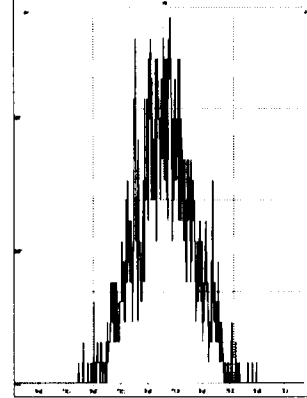
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M 504.9696 R 12022



M 516.9697 R 12075



Dataset: Untitled

Last Altered: Wednesday, May 26, 2021 12:06:10 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:06:33 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2021 09:20:10
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210524D2_2, Date: 24-May-2021, Time: 19:56:42, ID: ST210524D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1,3,6,8-TCDD (First)	23.80
2	1,2,8,9-TCDD (Last)	27.73
3	1,2,4,7,9-PeCDD (First)	29.08
4	1,2,3,8,9-PeCDD (Last)	31.45
5	1,2,4,6,7,9-HxCDD (First)	32.78
6	1,2,3,7,8,9-HxCDD (Last)	34.97
7	1,2,3,4,6,7,9-HpCDD (First)	37.38
8	1,2,3,4,6,7,8-HpCDD (Last)	38.41
9	1,3,6,8-TCDF (First)	21.92
10	1,2,8,9-TCDF (Last)	28.01
11	1,3,4,6,8-PeCDF (First)	27.61
12	1,2,3,8,9-PeCDF (Last)	31.81
13	1,2,3,4,6,8-HxCDF (First)	32.22
14	1,2,3,7,8,9-HxCDF (Last)	35.51
15	1,2,3,4,6,7,8-HpCDF (First)	37.09
16	1,2,3,4,7,8,9-HpCDF (Last)	39.23

Dataset: Untitled

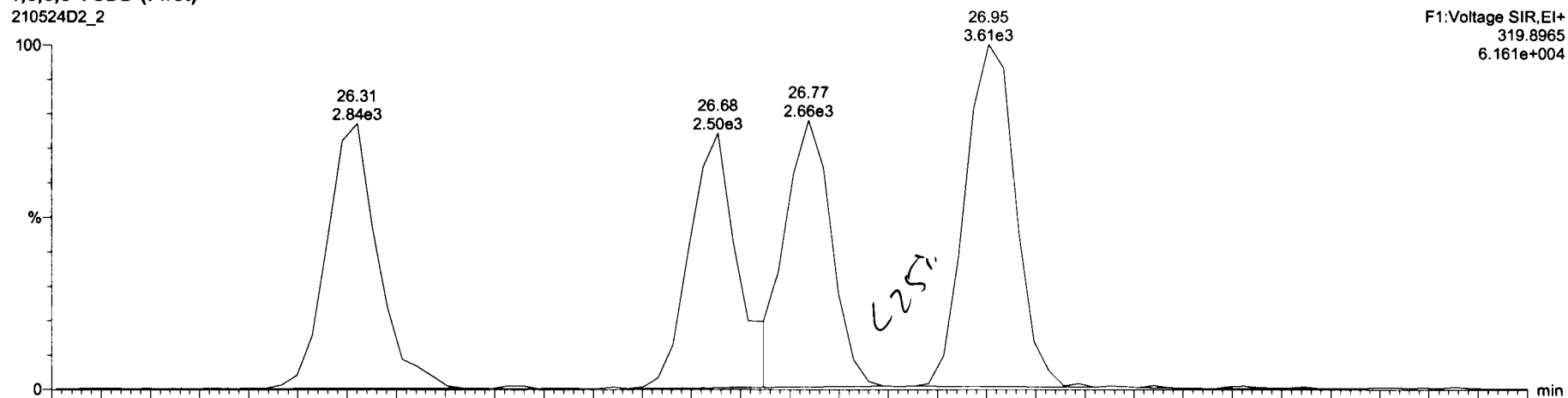
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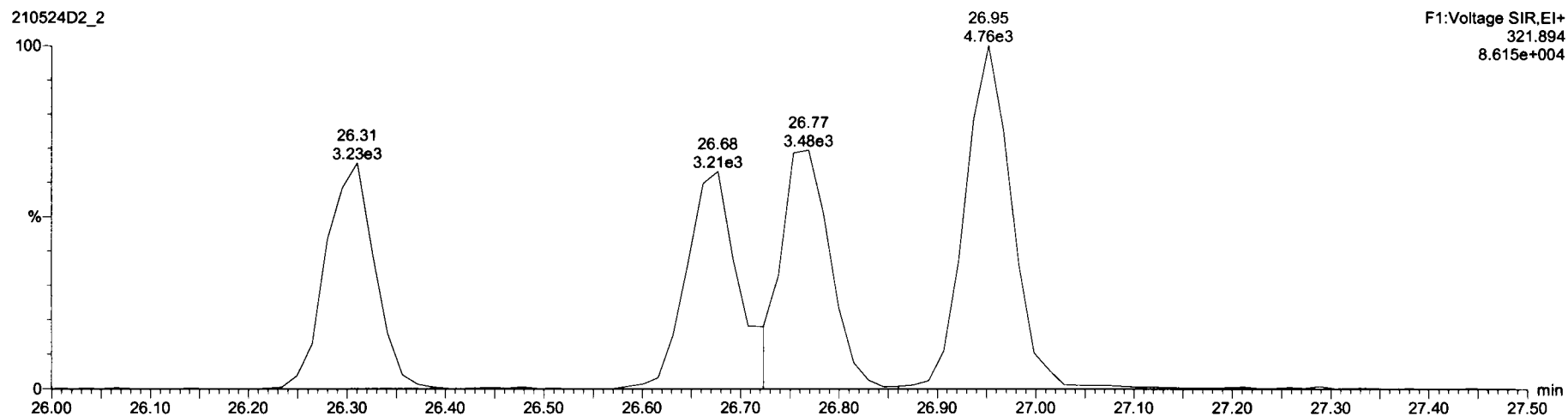
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1,3,6,8-TCDD (First)

210524D2_2



210524D2_2



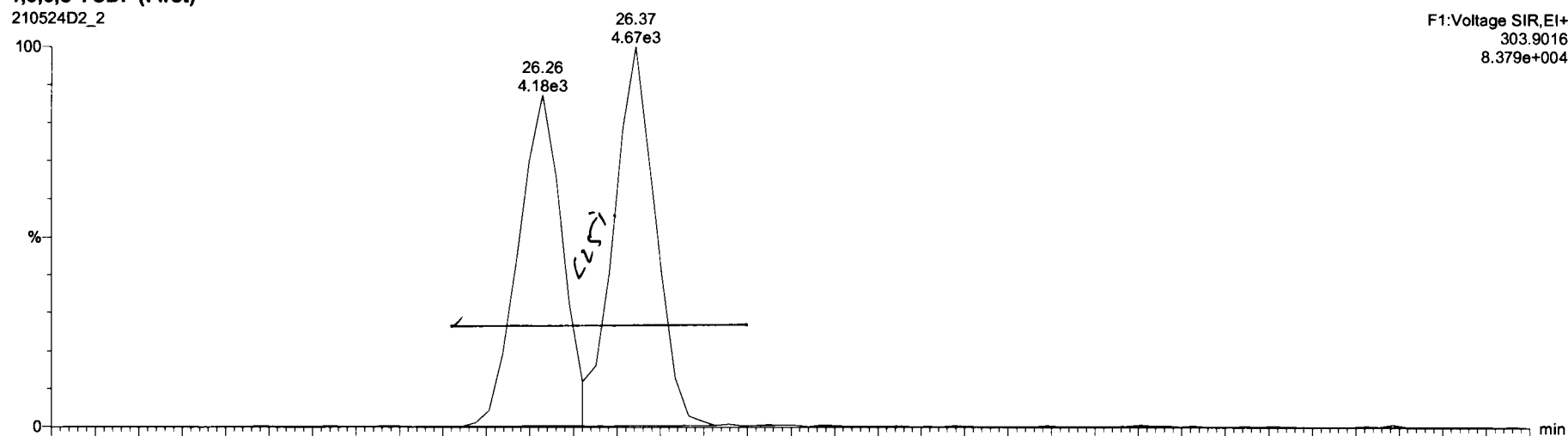
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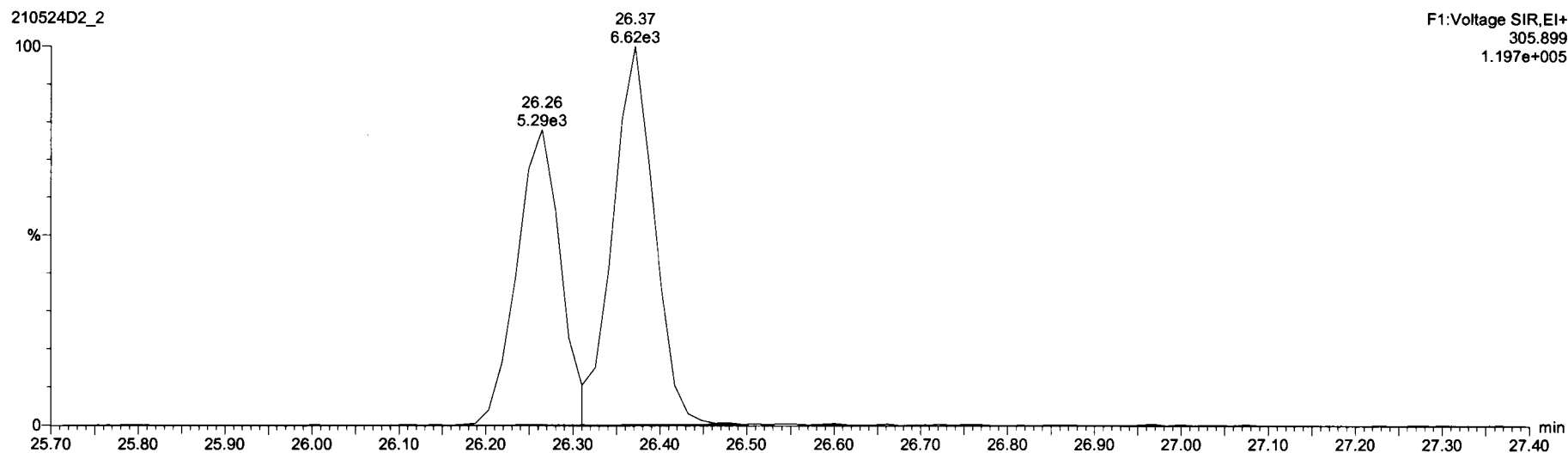
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1,3,6,8-TCDF (First)

210524D2_2



210524D2_2



Dataset: Untitled

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Printed: Wednesday, May 26, 2021 12:08:13 Pacific Daylight Time

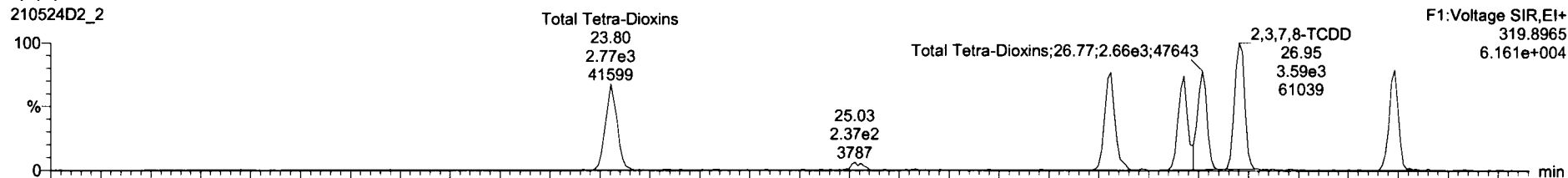
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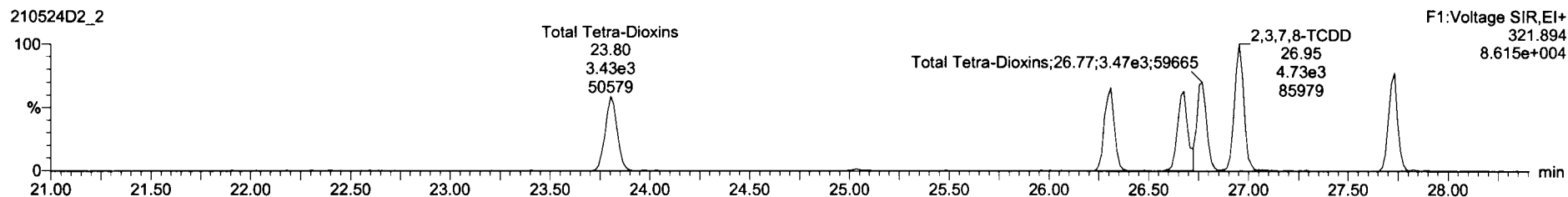
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2,3,7,8-TCDD

210524D2_2

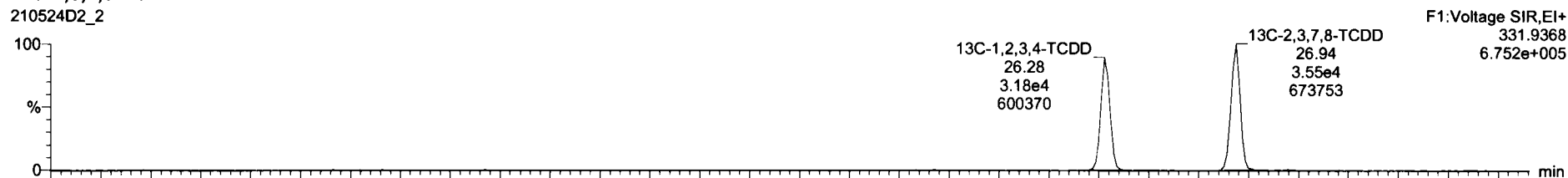


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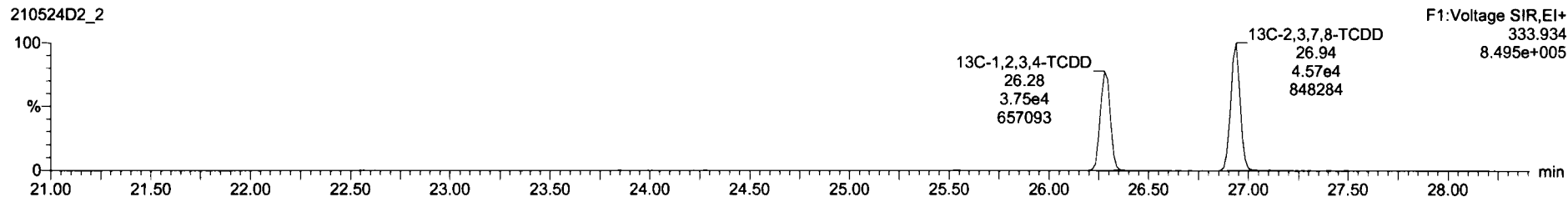


13C-2,3,7,8-TCDD

210524D2_2



210524D2_2



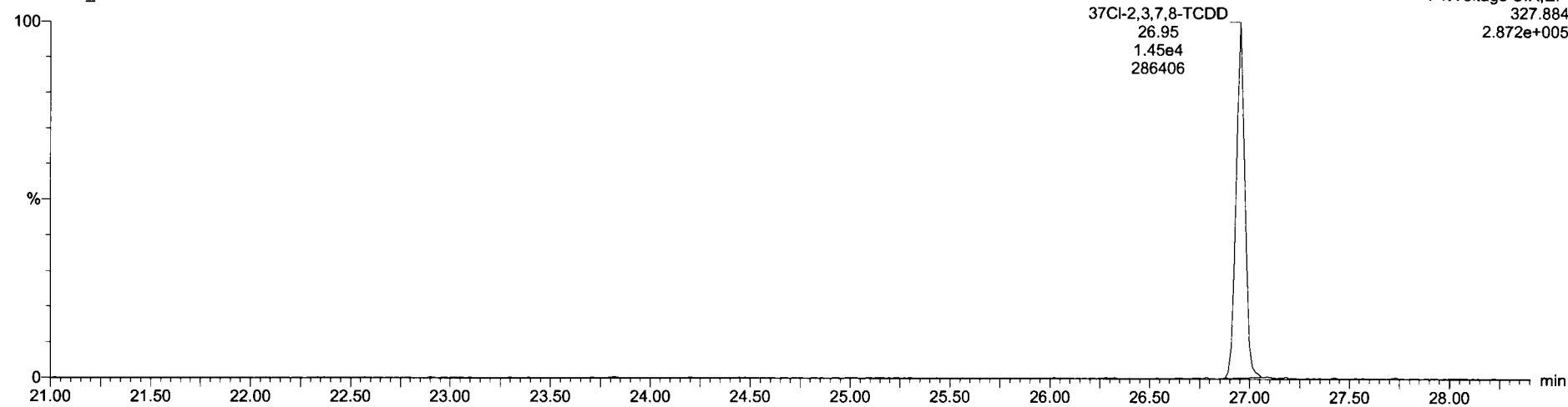
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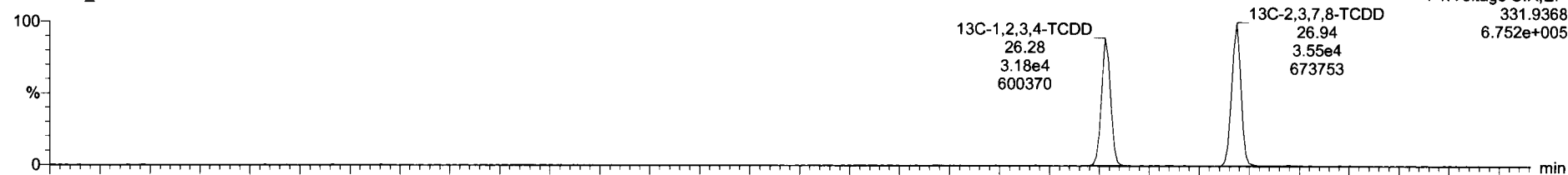
37Cl-2,3,7,8-TCDD

210524D2_2

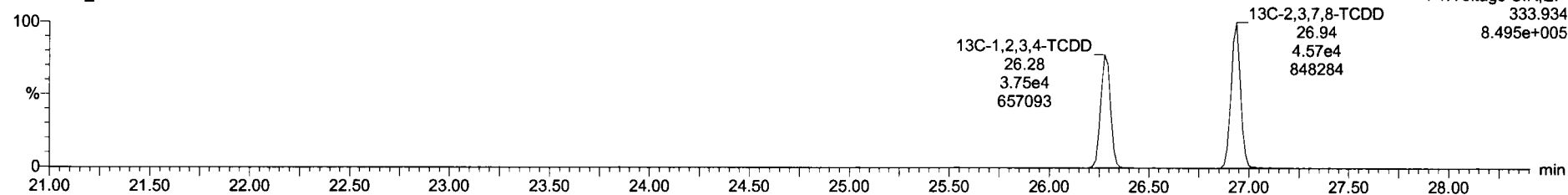


13C-1,2,3,4-TCDD

210524D2_2



210524D2_2



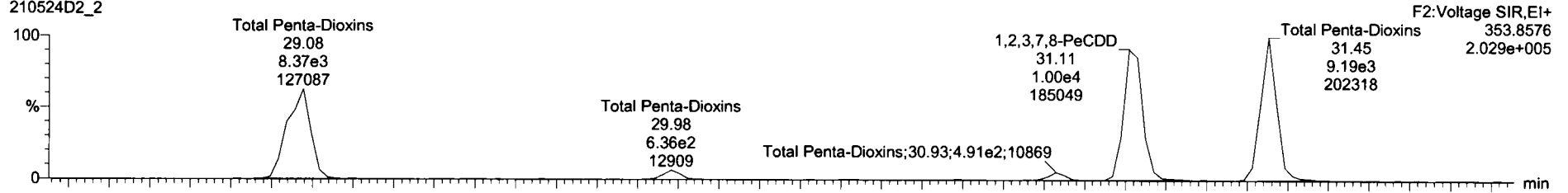
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Last Altered: Wednesday, May 26, 2021 12:07:34 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:08:13 Pacific Daylight Time

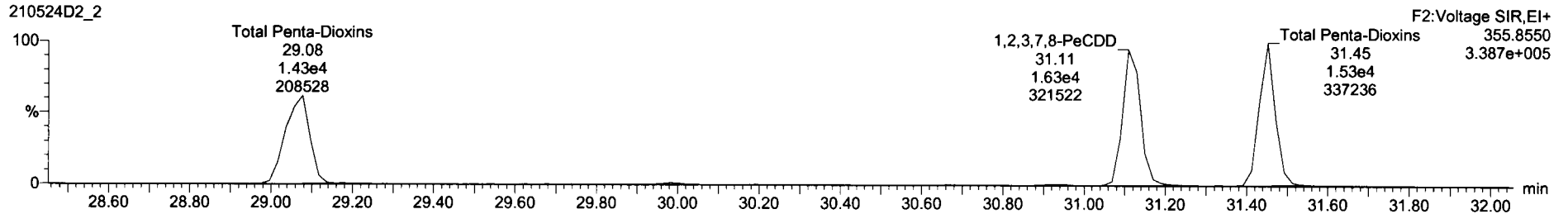
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1,2,3,7,8-PeCDD

210524D2_2

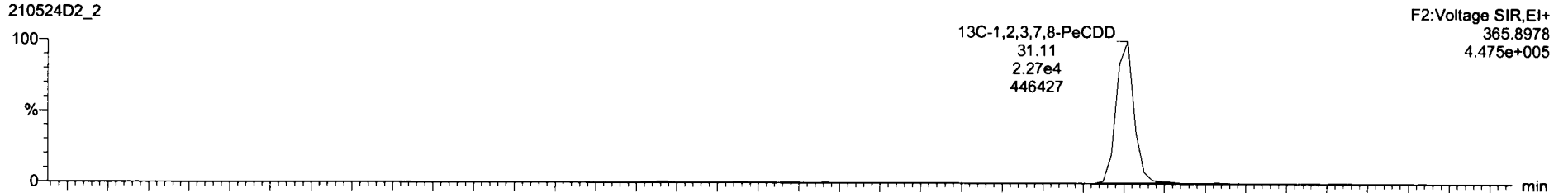


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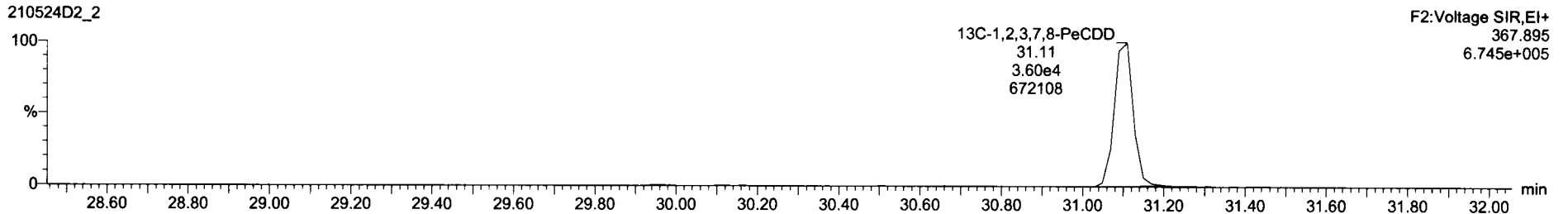


13C-1,2,3,7,8-PeCDD

210524D2_2



210524D2_2



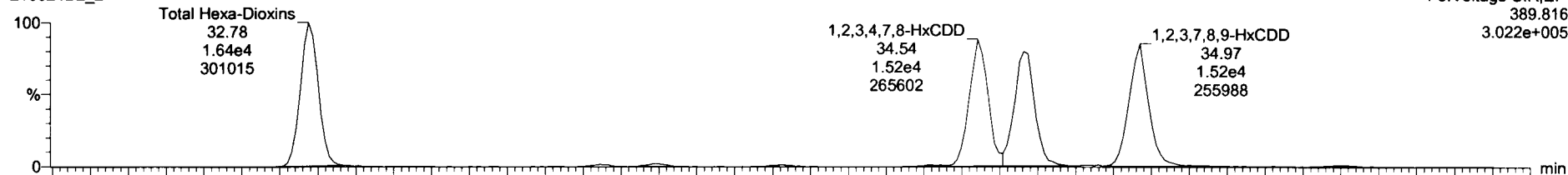
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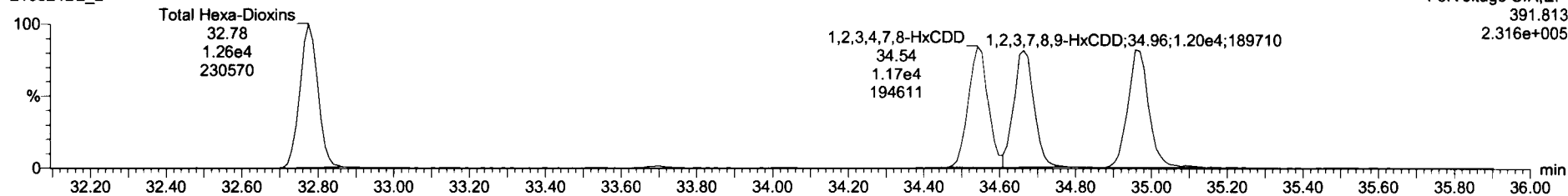
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1,2,3,4,7,8-HxCDD

210524D2_2

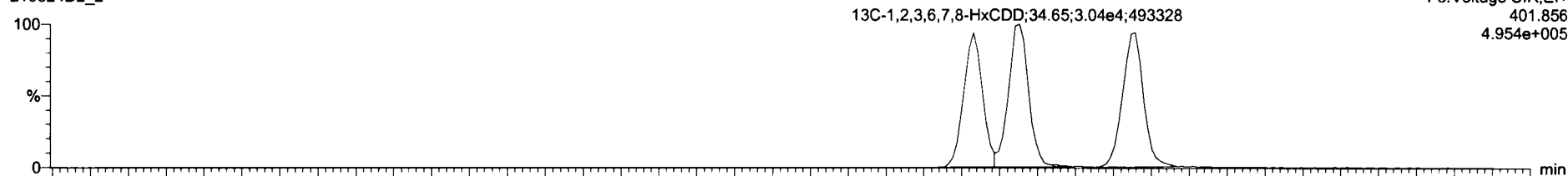


210524D2_2

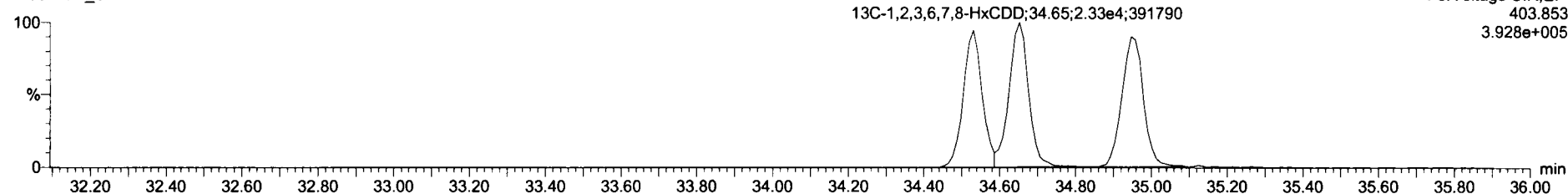


13C-1,2,3,4,7,8-HxCDD

210524D2_2



210524D2_2



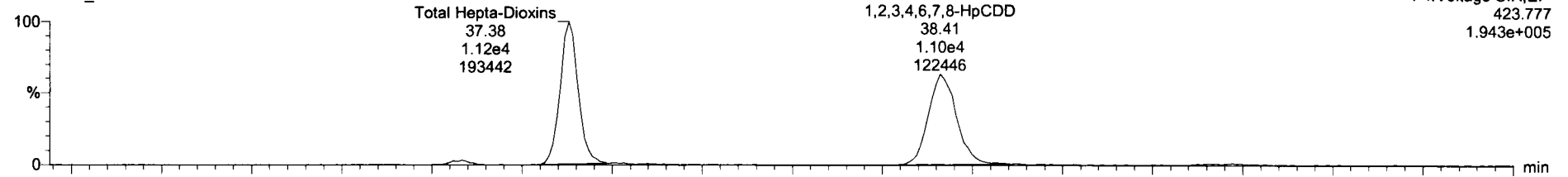
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Printed: Wednesday, May 26, 2021 12:08:13 Pacific Daylight Time

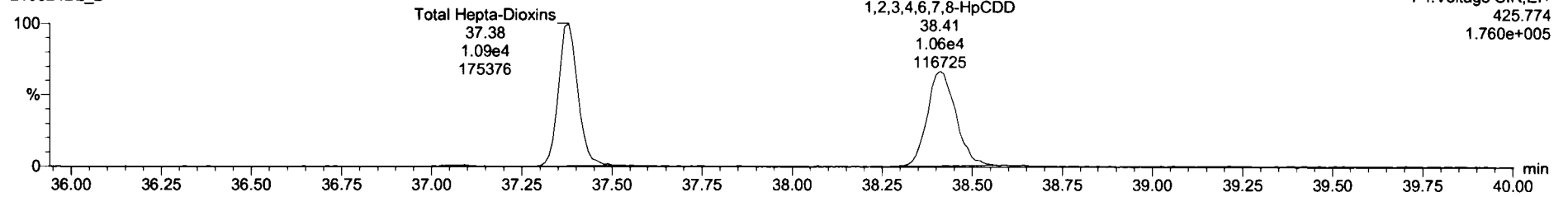
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1,2,3,4,6,7,8-HpCDD

210524D2_2

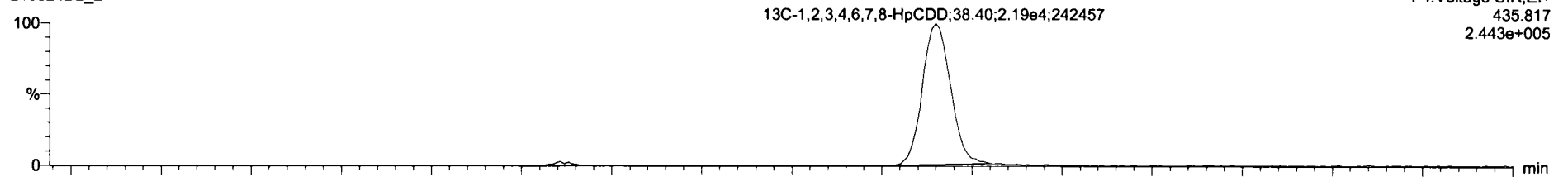


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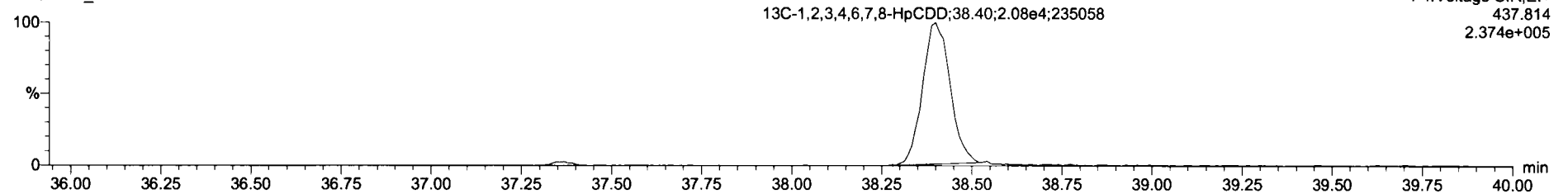


13C-1,2,3,4,6,7,8-HpCDD

210524D2_2



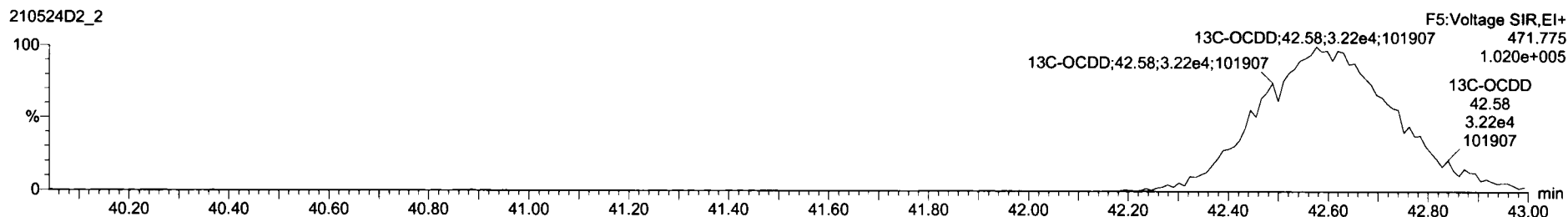
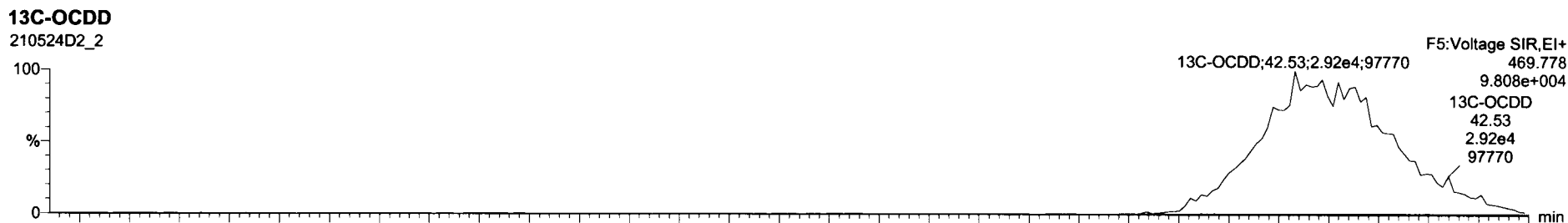
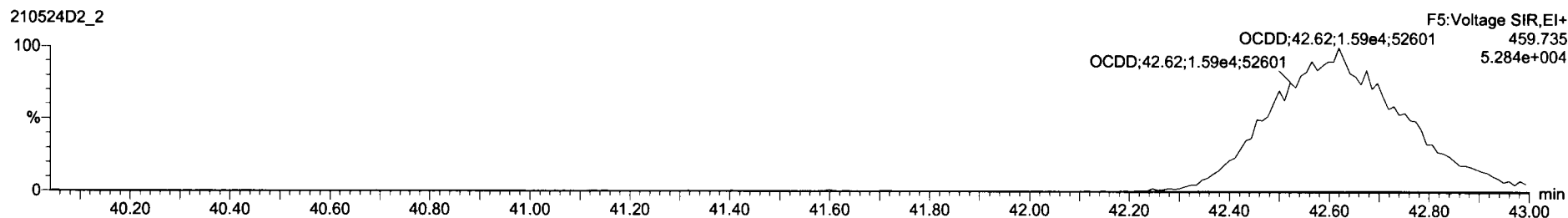
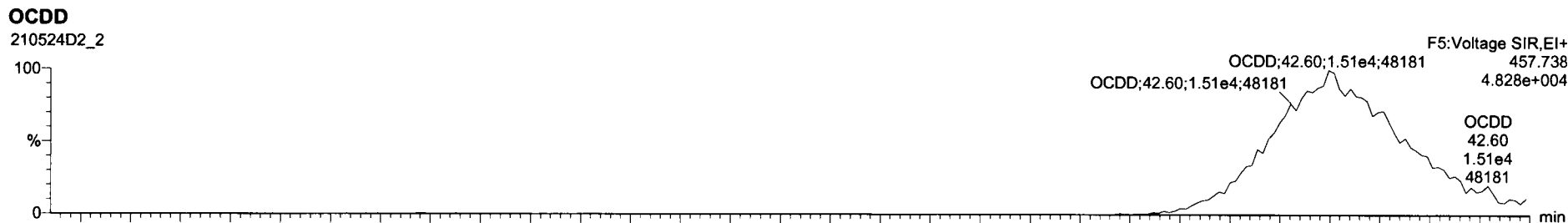
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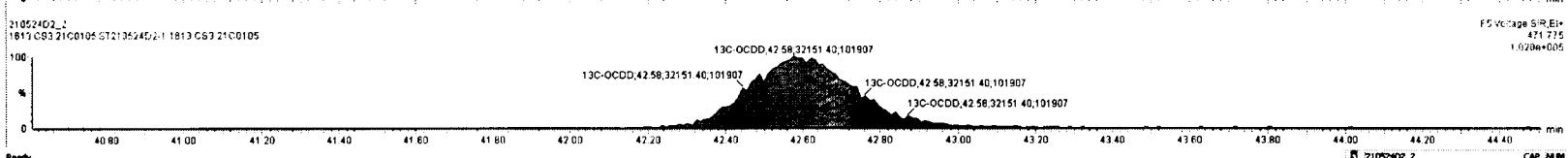
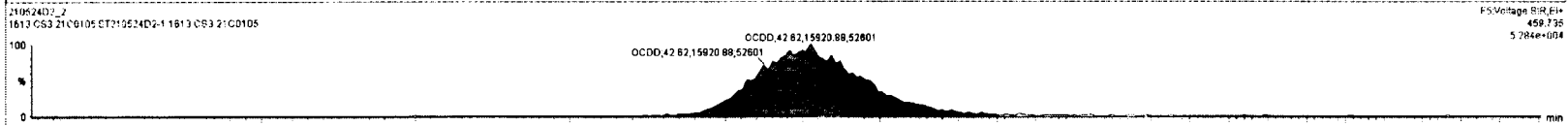
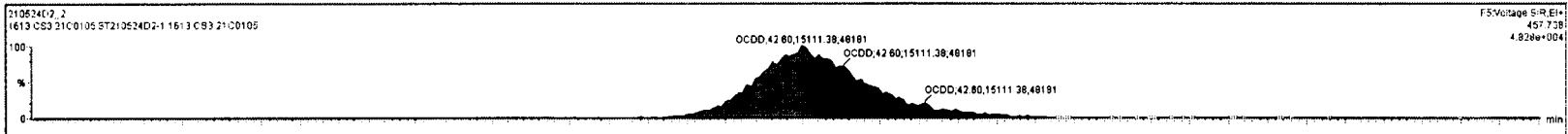
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Name: 210524D2_2, Date: 24-May-2021, Time: 19:56:42, ID: ST210524D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105



#	Name	Resp	IS Resp	Pres RA	RA	Qty	RF	Pres RT	RT	RT Flag	Pres PRT	PRT	Conc	%Rec	STD dev
1	1,2,3,7,8-TCDD	8.32e3	6.13e4	0.77	0.78	NO	1.0478	28.98	28.95	NO	1.001	1.001	9.77	97.7	NO
2	1,2,3,7,8-PeCDD	2.63e4	5.86e4	0.63	0.61	NO	0.8813	31.13	31.11	NO	1.001	1.000	51.0	102	NO
3	1,2,3,4,7,8-HxCDD	2.69e4	4.79e4	1.24	1.29	NO	1.1420	34.54	34.54	NO	1.000	1.000	49.1	98.2	NO
4	1,2,3,4,7,8-HxCDD	2.85e4	5.37e4	1.24	1.29	NO	1.0108	34.87	34.86	NO	1.000	1.000	48.8	97.8	NO
5	1,2,3,4,7,8-HxCDD	2.72e4	5.25e4	1.24	1.27	NO	1.0194	34.88	34.87	NO	1.001	1.000	50.9	102	NO
6	1,2,3,4,7,8-HxCDD	2.15e4	4.27e4	1.04	1.03	NO	1.0890	36.41	36.41	NO	1.000	1.000	47.5	95.1	NO
7	OCDD	3.19e4	6.14e4	0.88	0.86	NO	1.0202	42.88	42.89	NO	1.000	1.002	191	191	NO
8	2,3,7,8-TCDF	1.12e4	1.35e5	0.77	0.71	NO	0.8837	28.38	28.37	NO	1.001	1.001	9.58	95.9	NO
9	1,2,3,7,8-PeCDF	4.53e4	9.22e4	1.55	1.70	NO	0.9484	30.00	30.00	NO	1.001	1.001	51.8	104	NO
10	2,3,4,7,8-PeCDF	5.13e4	9.40e4	1.55	1.85	NO	1.0377	30.98	30.95	NO	1.001	1.001	52.5	105	NO
11	1,2,3,4,7,8-HxCDF	3.82e4	7.92e4	1.24	1.28	NO	1.0430	33.57	33.55	NO	1.001	1.000	47.8	95.2	NO
12	1,2,3,4,7,8-HxCDF	4.14e4	8.02e4	1.24	1.27	NO	1.0742	33.70	33.70	NO	1.000	1.000	48.0	96.1	NO
13	2,3,4,8,7,8-HxCDF	3.89e4	7.02e4	1.24	1.32	NO	1.1171	34.43	34.44	NO	1.000	1.001	49.5	99.0	NO
14	1,2,3,7,8-HxCDF	3.36e4	6.50e4	1.24	1.29	NO	1.0887	35.50	35.51	NO	1.000	1.000	47.1	94.2	NO



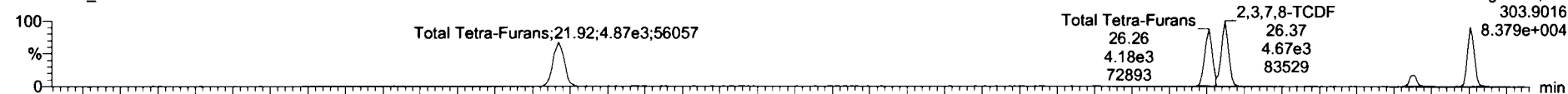
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Printed: Wednesday, May 26, 2021 12:08:13 Pacific Daylight Time

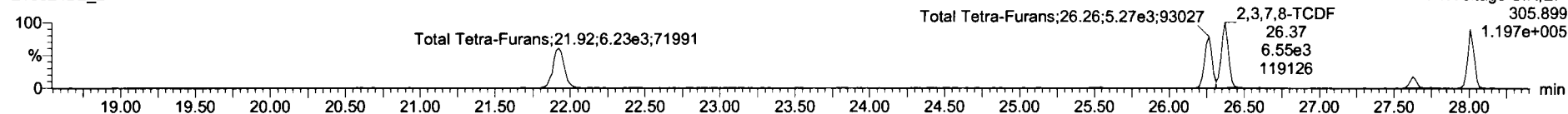
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2,3,7,8-TCDF

210524D2_2

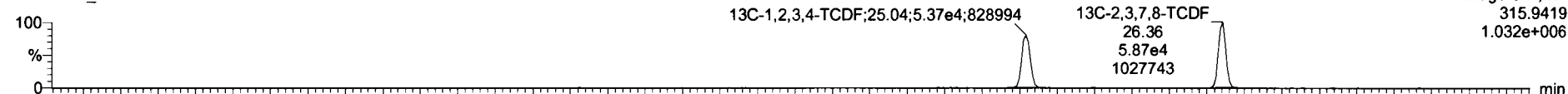


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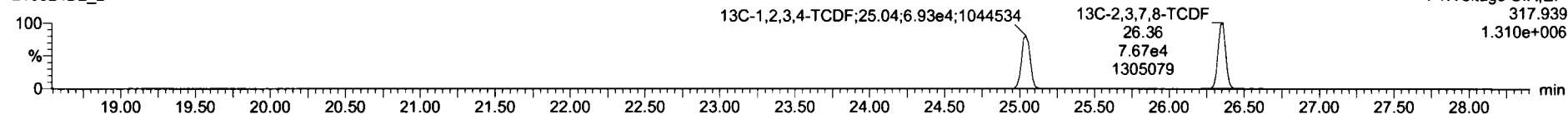


13C-2,3,7,8-TCDF

210524D2_2

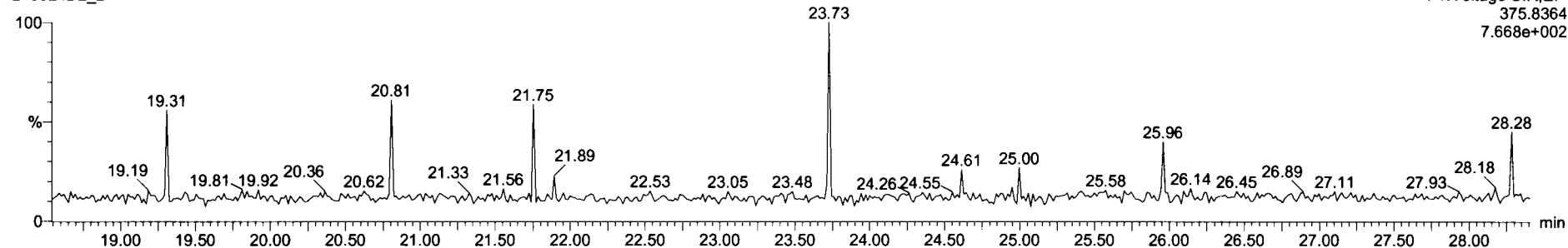


210524D2_2



DPE1

210524D2_2



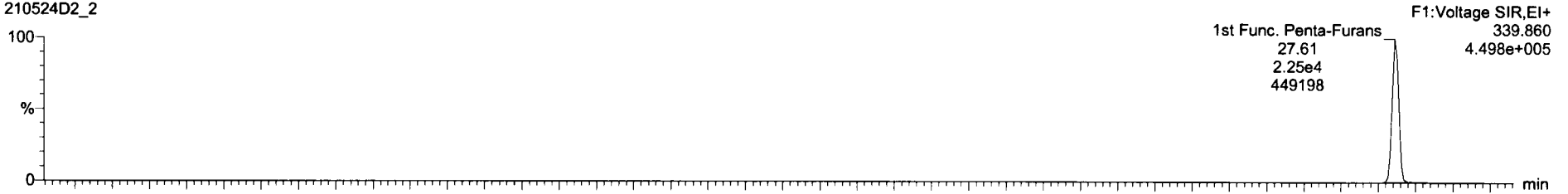
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Printed: Wednesday, May 26, 2021 12:08:13 Pacific Daylight Time

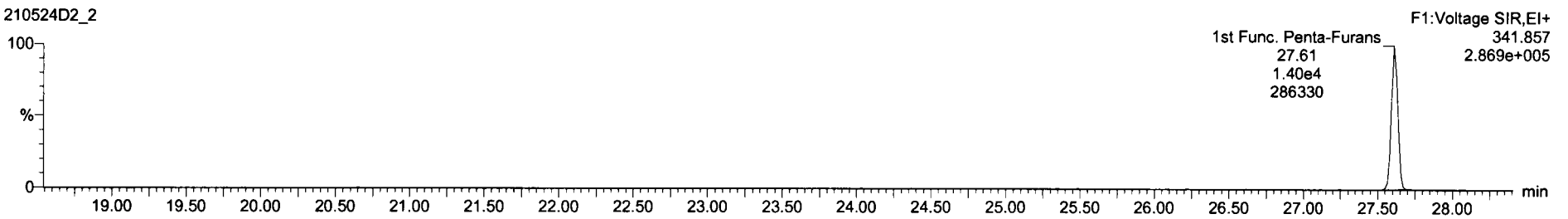
Name: 210524D2_2, Date: 24-May-2021, Time: 19:56:42, ID: ST210524D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1st Func. Penta-Furans

210524D2_2

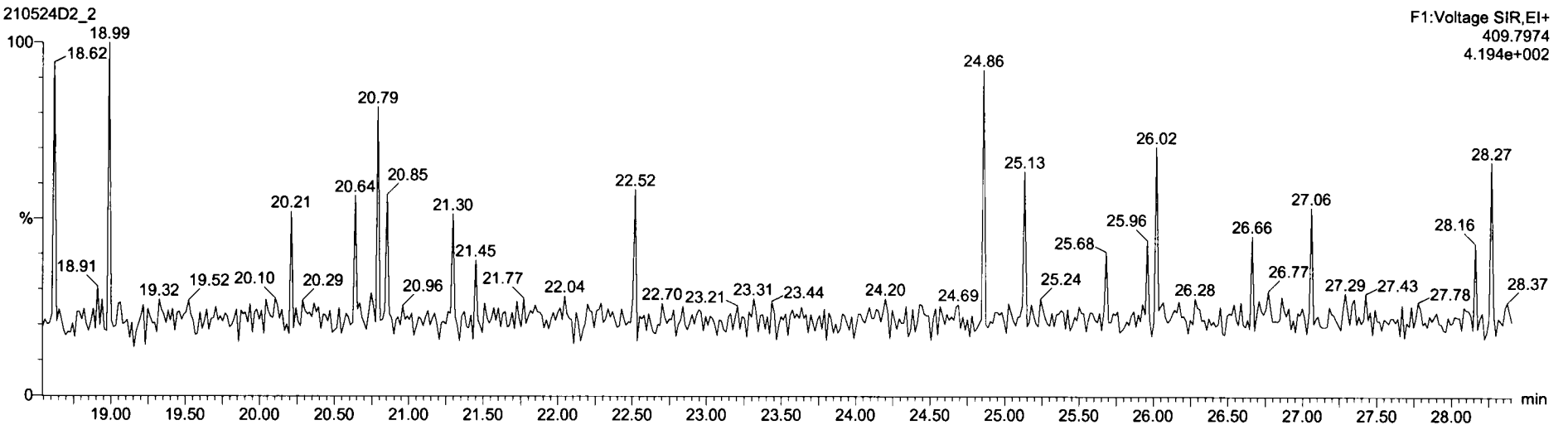


210524D2_2



DPE6

210524D2_2



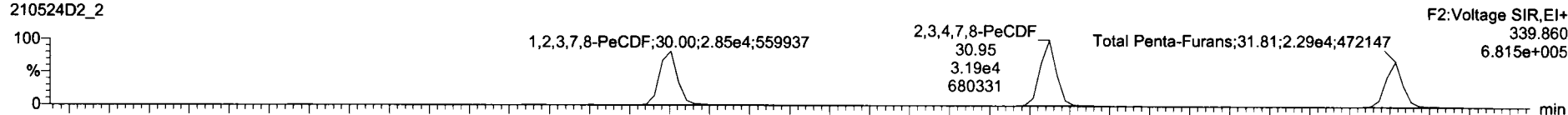
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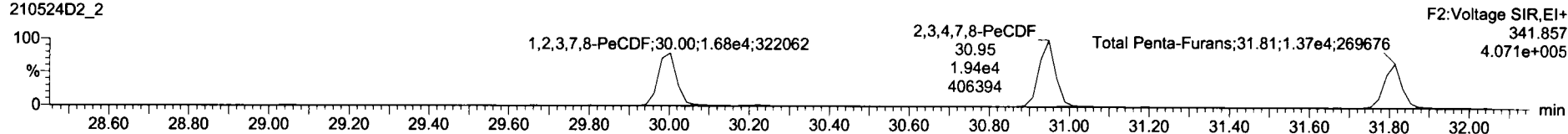
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1,2,3,7,8-PeCDF

210524D2_2

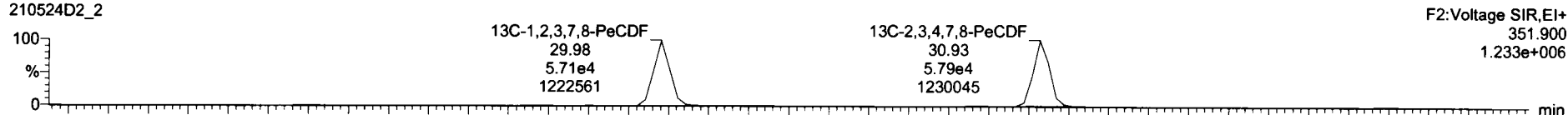


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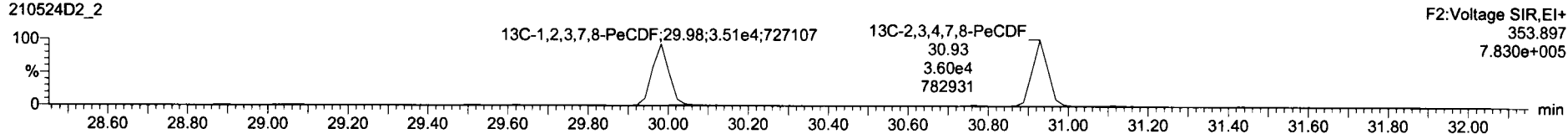


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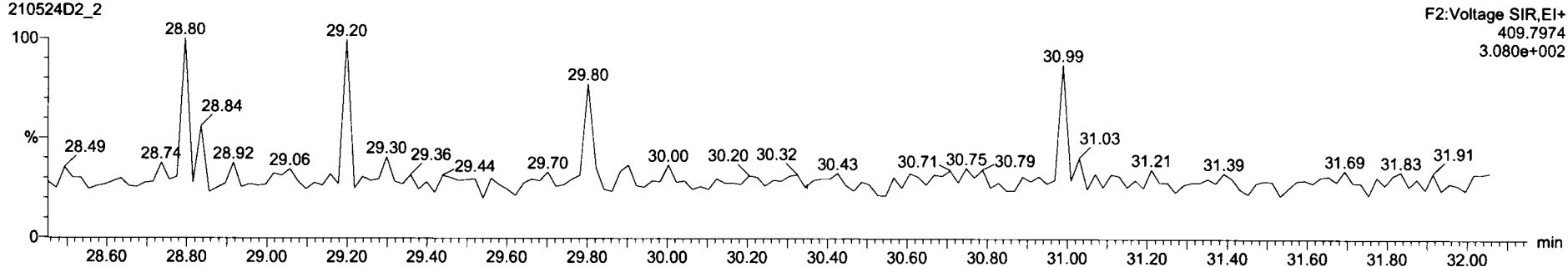


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DPE2

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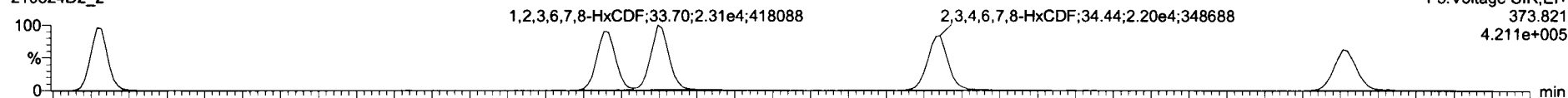
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Printed: Wednesday, May 26, 2021 12:08:13 Pacific Daylight Time

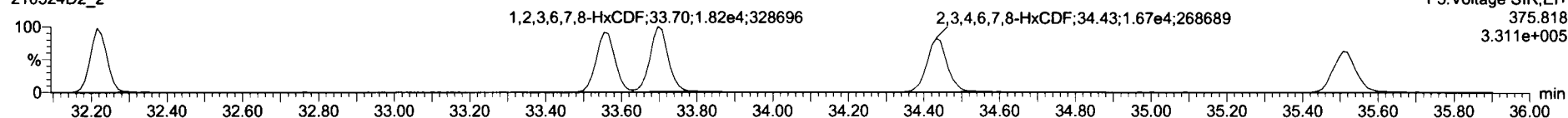
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1,2,3,4,7,8-HxCDF

210524D2_2

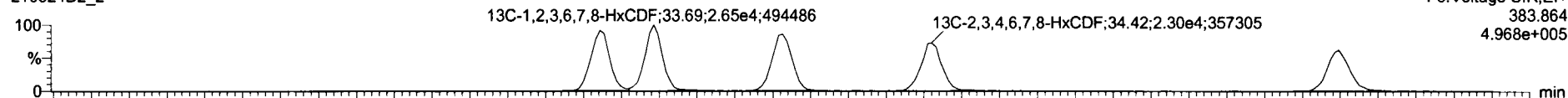


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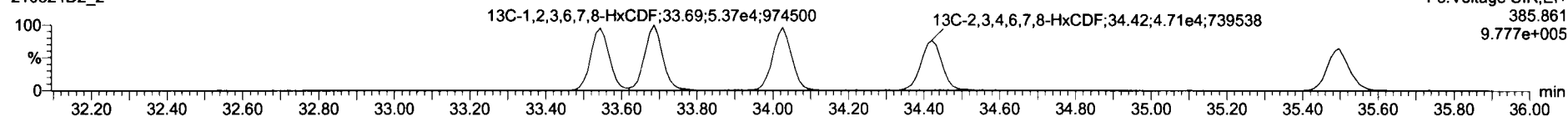


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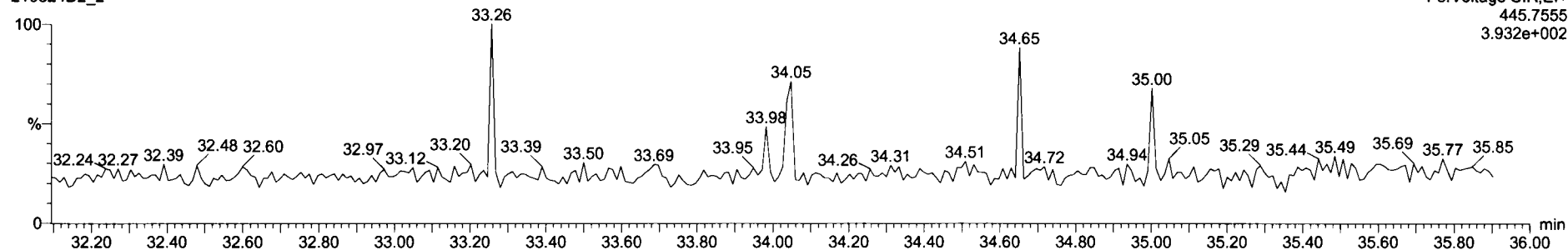


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DPE3

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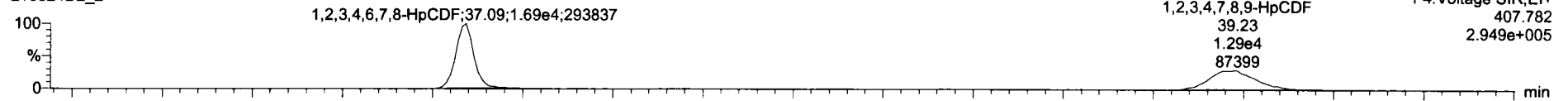
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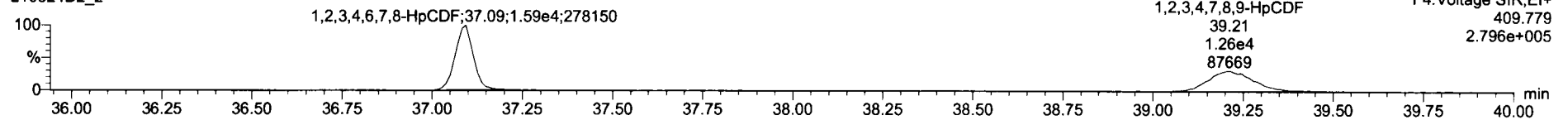
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210524D2_2



F4:Voltage SIR,EI+
407.782
2.949e+005

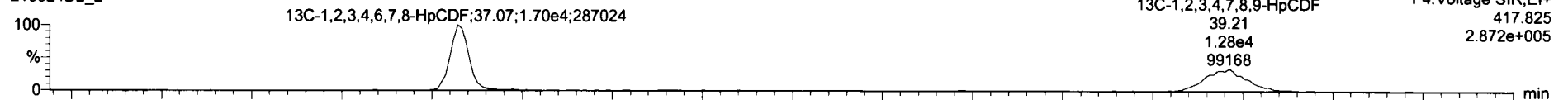
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F4:Voltage SIR,EI+
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2.796e+005

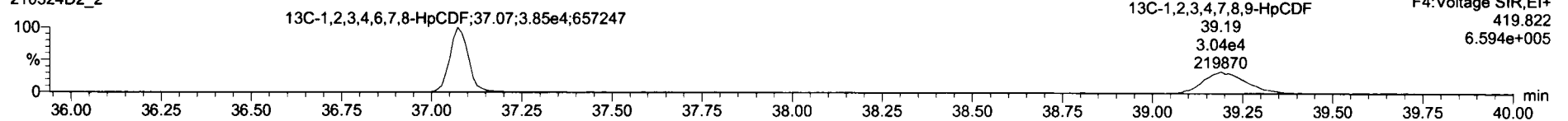
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F4:Voltage SIR,EI+
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2.872e+005

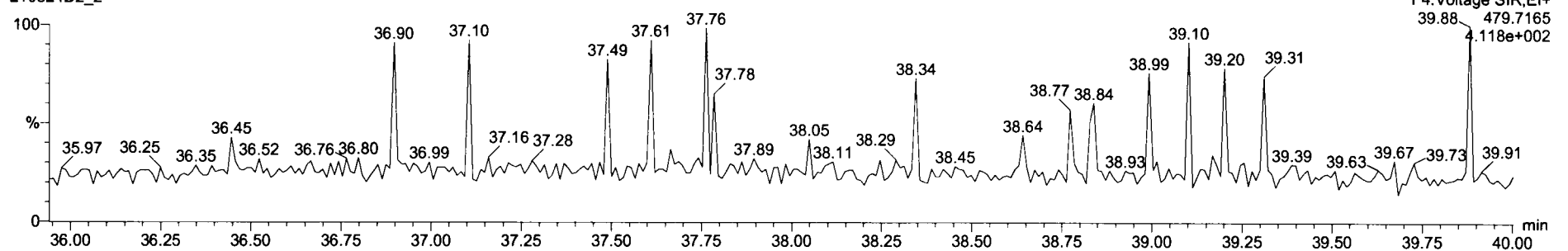
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F4:Voltage SIR,EI+
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6.594e+005

DPE4

210524D2_2

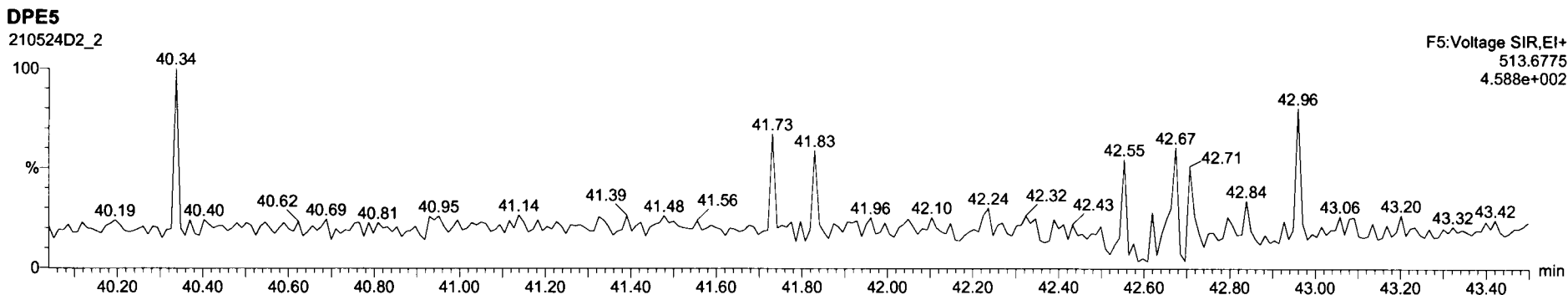
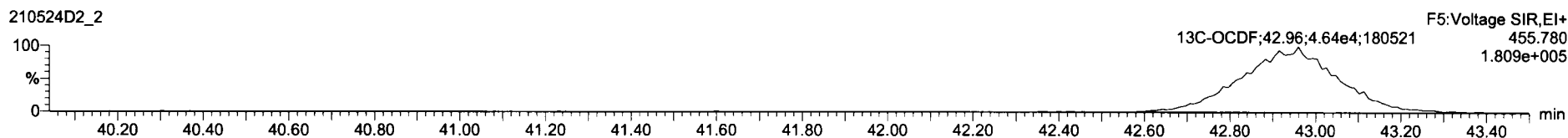
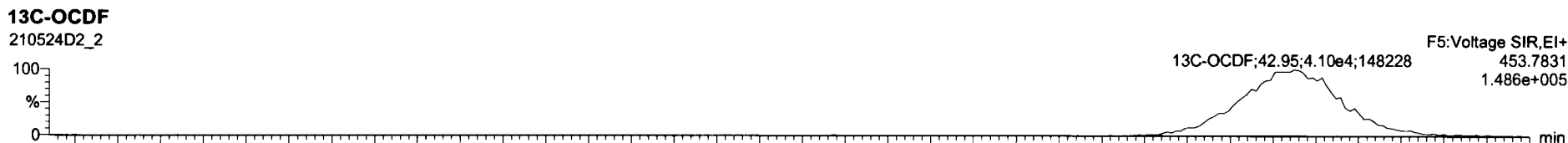
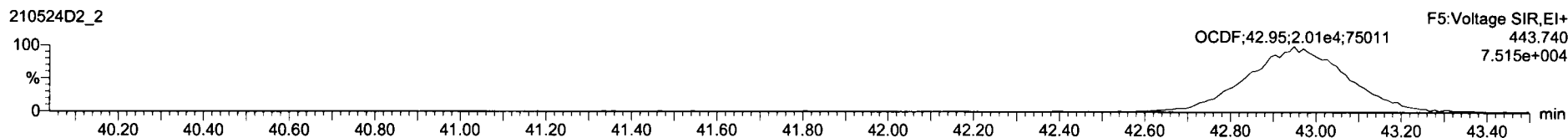
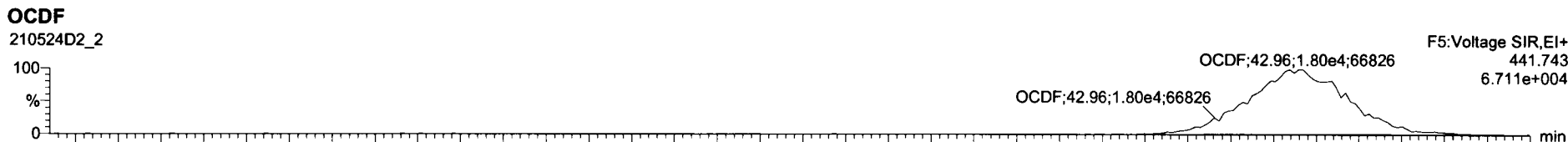


F4:Voltage SIR,EI+
479.7165
4.118e+002

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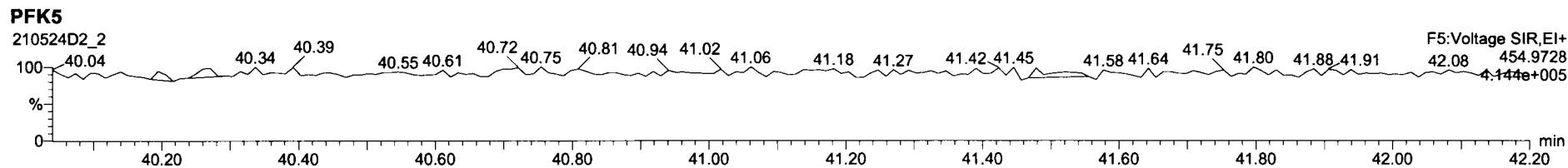
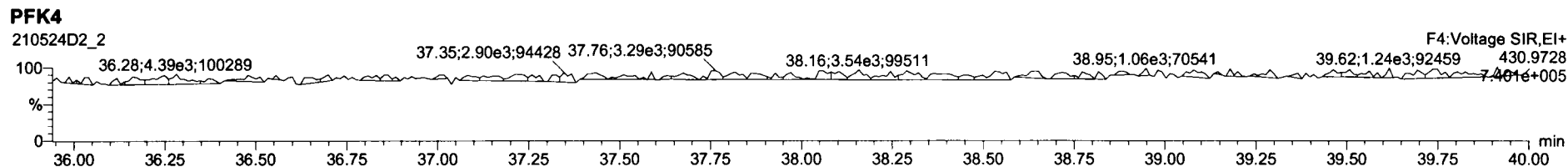
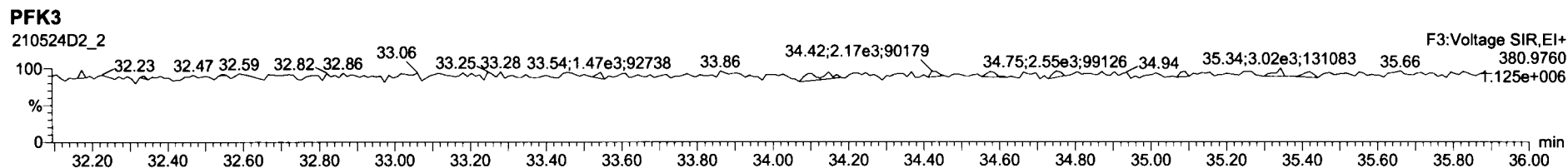
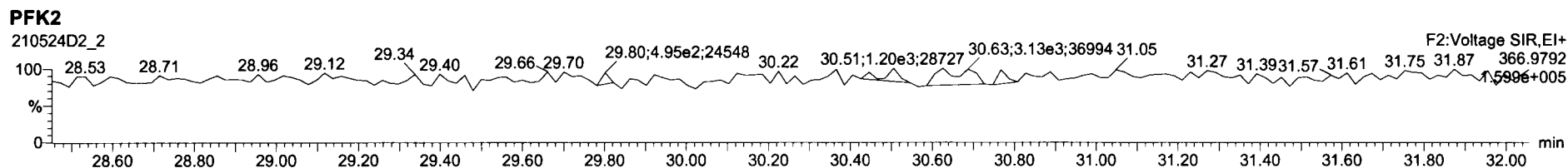
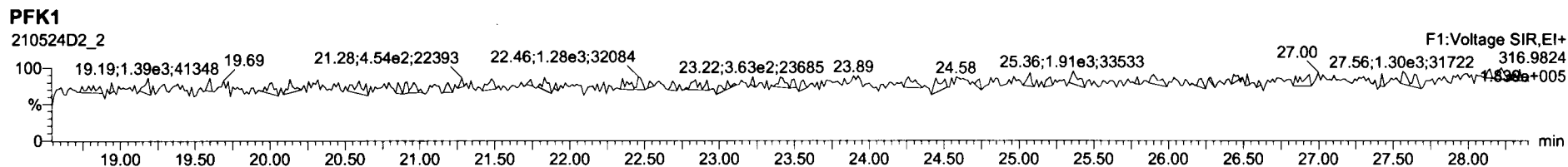
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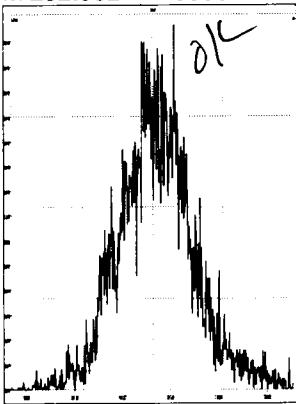
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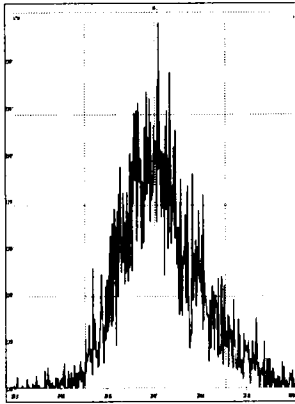
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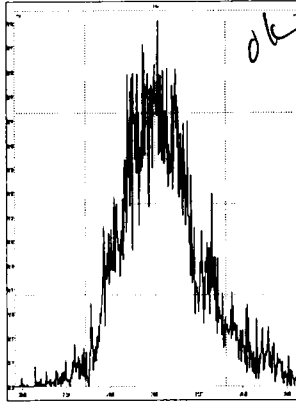
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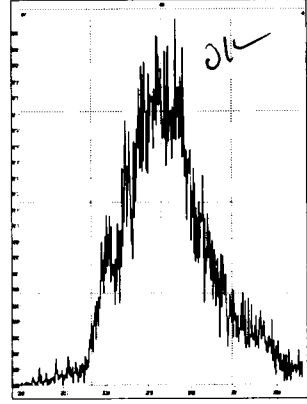
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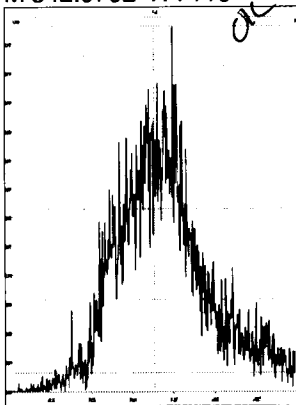
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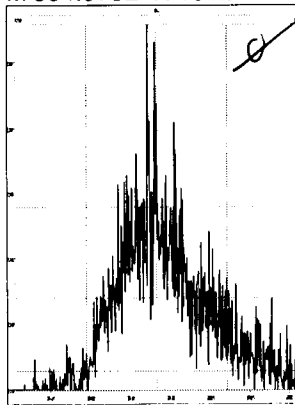
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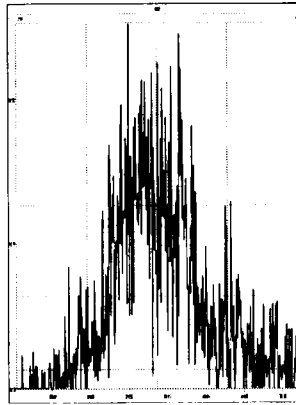
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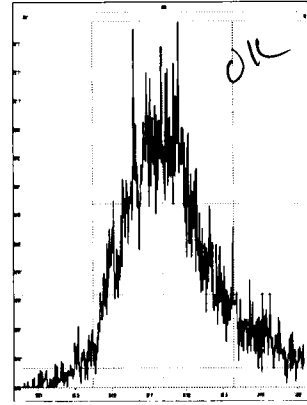
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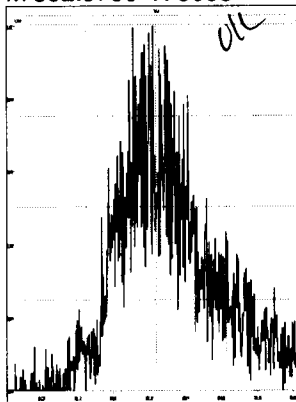
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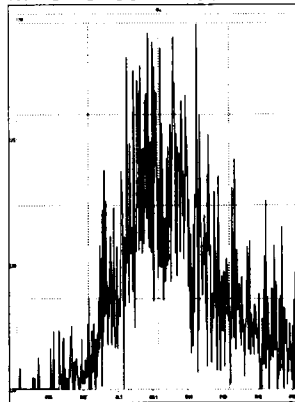
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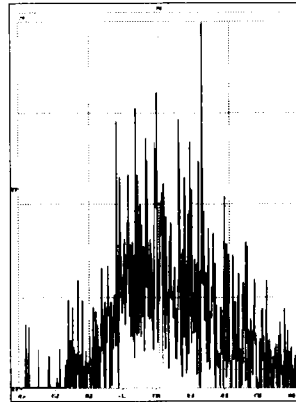
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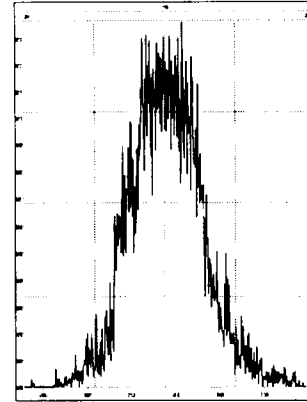
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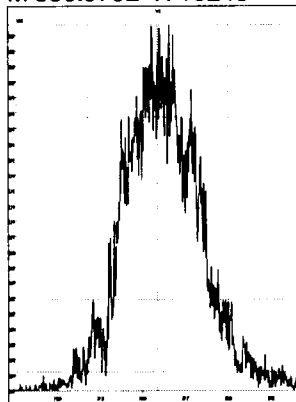
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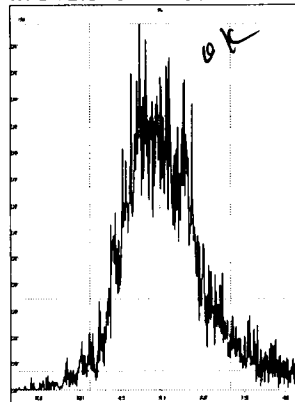
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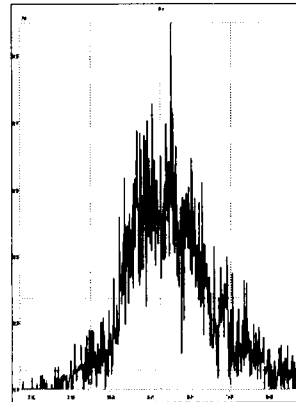
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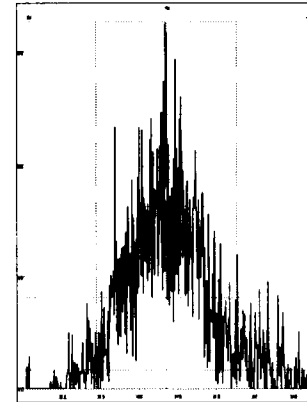
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M 354.9792 R 11499

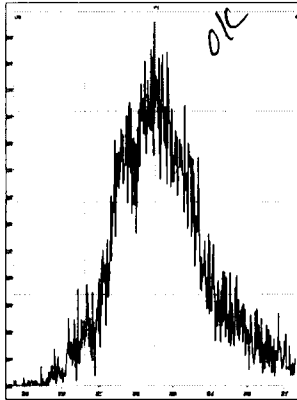


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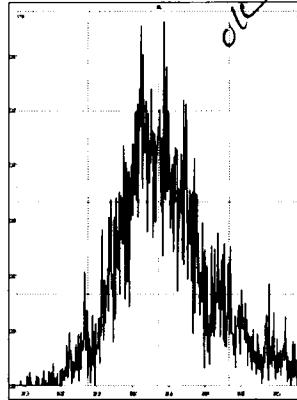


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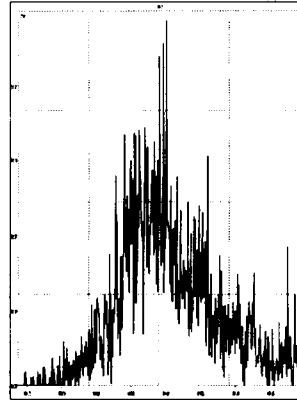
M 380.9760 R 8847



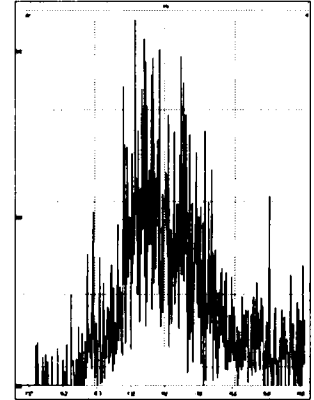
M 392.9760 R 8356



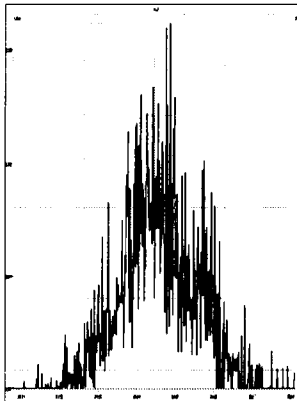
M 404.9760 R 11072



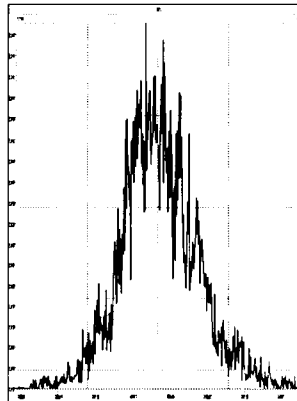
M 416.9760 R 13465



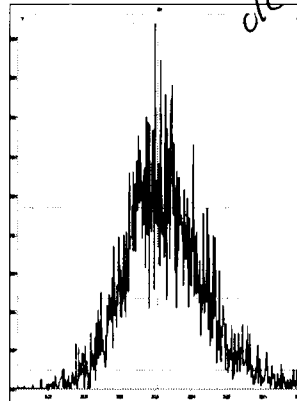
M 366.9792 R 14010



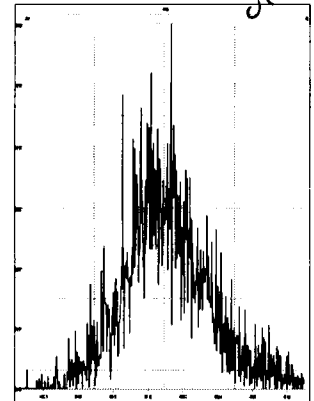
M 380.9760 R 10041



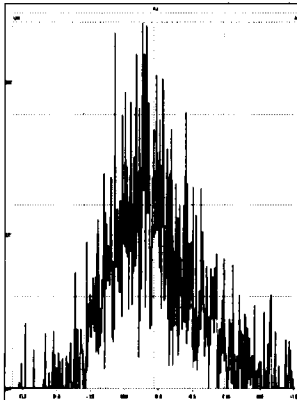
M 392.9760 R 9896



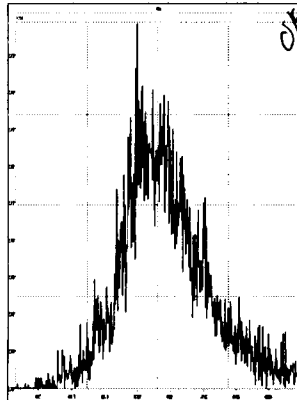
M 404.9760 R 9905



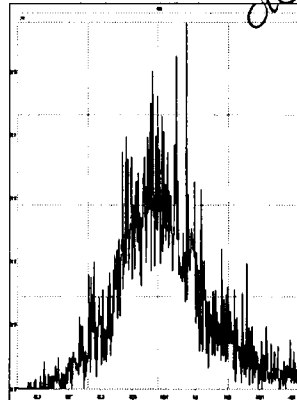
M 416.9760 R 16751



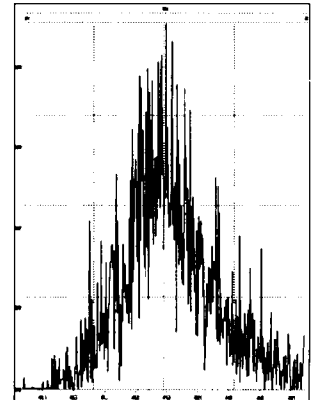
M 430.9728 R 8775



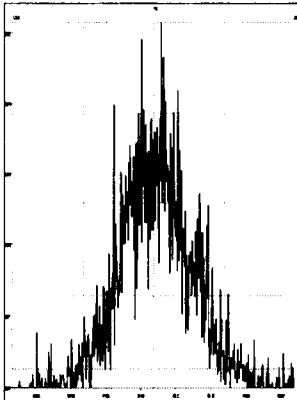
M 442.9728 R 9380



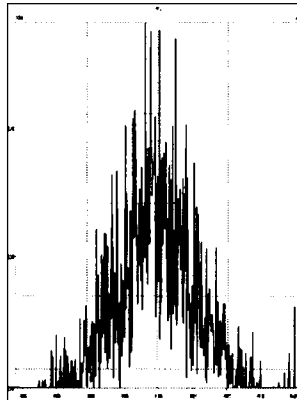
M 454.9728 R 10227



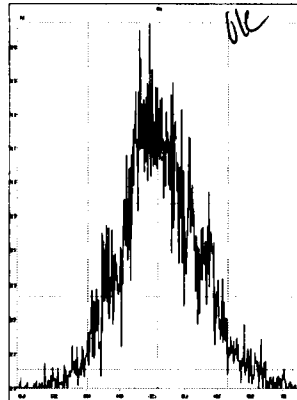
M 404.9760 R 10482



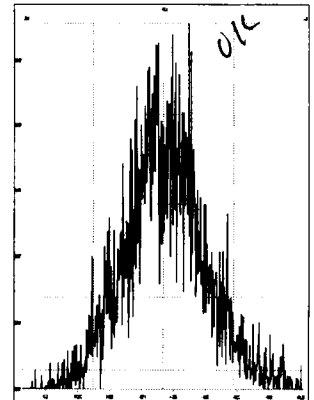
M 416.9760 R 18000



M 430.9728 R 9980

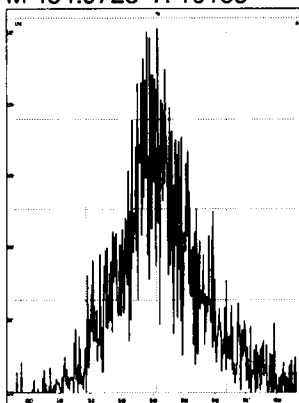


M 442.9728 R 9759

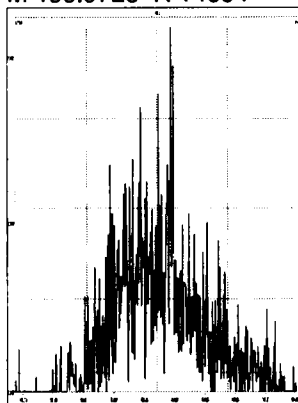


Printed: Tuesday, May 25, 2021 08:16:13 Pacific Daylight Time

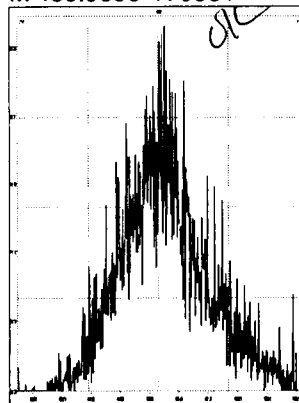
M 454.9728 R 10183



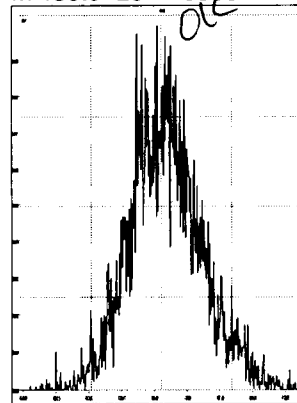
M 466.9728 R 14654



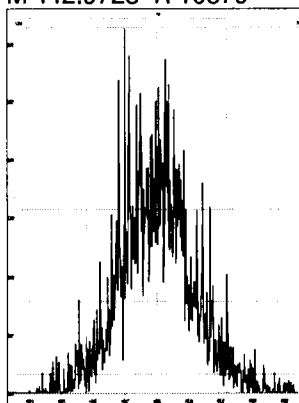
M 480.9696 R 9881



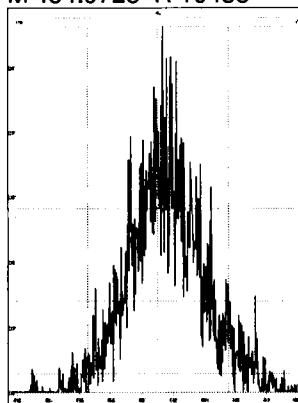
M 430.9728 R 9933



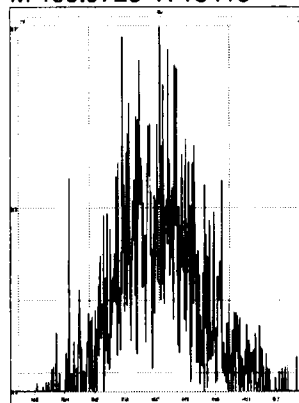
M 442.9728 R 10879



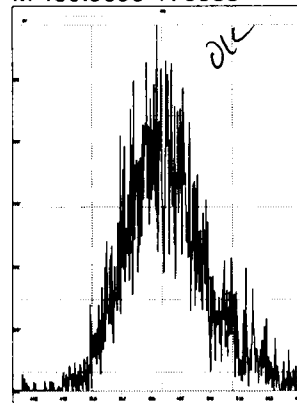
M 454.9728 R 10438



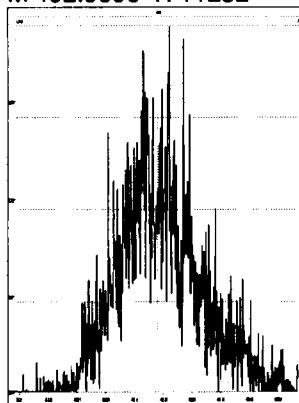
M 466.9728 R 18415



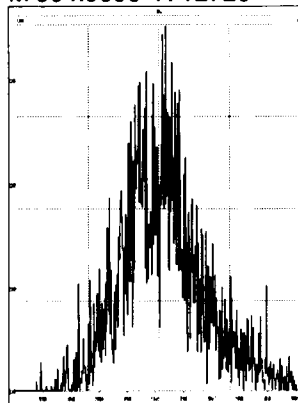
M 480.9696 R 9938



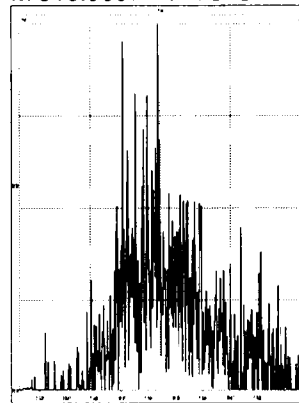
M 492.9696 R 11232



M 504.9696 R 12726



M 516.9697 R 17948



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST 210525D2-1

Reviewed By: HN 05/27/21

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"/>
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>Hz</u>	<u>⊖</u>
Run Log:		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	<u>N</u>
- Bottle position verified?		<u>Hz</u>

Mass resolution ≥

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

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

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

Comments:

Ⓟ ves cal printed following day
PFK drain some under 10K.

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-1.qld

Last Altered: Wednesday, May 26, 2021 4:26:19 PM Pacific Daylight Time
Printed: Wednesday, May 26, 2021 4:26:29 PM Pacific Daylight Time

Hz 5-26-2021
HN 05/27/21

Method: Untitled 19 May 2021 12:17:04

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 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	1.65e4	1.63e5	0.81	NO	1.05	26.96	26.95	NO	1.001	1.001	9.6402	96.4	NO
2	2 1,2,3,7,8-PeCDD	4.72e4	1.05e5	0.60	NO	0.881	31.17	31.15	NO	1.001	1.000	50.976	102	NO
3	3 1,2,3,4,7,8-HxCDD	4.13e4	7.75e4	1.32	NO	1.14	34.62	34.63	NO	1.000	1.001	46.601	93.2	NO
4	4 1,2,3,6,7,8-HxCDD	4.32e4	9.18e4	1.22	NO	1.01	34.75	34.75	NO	1.000	1.000	46.601	93.2	NO
5	5 1,2,3,7,8,9-HxCDD	4.04e4	8.72e4	1.25	NO	1.02	35.09	35.07	NO	1.001	1.000	45.495	91.0	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.03e4	6.40e4	1.06	NO	1.07	38.63	38.64	NO	1.000	1.001	44.503	89.0	NO
7	7 OCDD	4.57e4	1.00e5	0.91	NO	1.00	42.43	42.44	NO	1.000	1.000	90.870	90.9	NO
8	8 2,3,7,8-TCDF	2.39e4	2.98e5	0.76	NO	0.864	26.37	26.36	NO	1.001	1.001	9.2805	92.8	NO
9	9 1,2,3,7,8-PeCDF	9.41e4	1.92e5	1.66	NO	0.948	30.02	30.00	NO	1.001	1.000	51.784	104	NO
10	10 2,3,4,7,8-PeCDF	9.69e4	1.81e5	1.65	NO	1.04	31.00	30.97	NO	1.001	1.000	51.580	103	NO
11	11 1,2,3,4,7,8-HxCDF	6.84e4	1.35e5	1.27	NO	1.04	33.65	33.64	NO	1.001	1.001	48.634	97.3	NO
12	12 1,2,3,6,7,8-HxCDF	7.38e4	1.45e5	1.29	NO	1.07	33.78	33.78	NO	1.000	1.000	47.278	94.6	NO
13	13 2,3,4,6,7,8-HxCDF	6.32e4	1.17e5	1.27	NO	1.12	34.49	34.50	NO	1.000	1.000	48.264	96.5	NO
14	14 1,2,3,7,8,9-HxCDF	5.66e4	1.11e5	1.27	NO	1.10	35.63	35.65	NO	1.000	1.001	46.456	92.9	NO
15	15 1,2,3,4,6,7,8-HpCDF	4.87e4	8.37e4	1.05	NO	1.16	37.28	37.26	NO	1.001	1.000	50.176	100	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.98e4	6.91e4	1.06	NO	1.19	39.28	39.29	NO	1.000	1.000	48.509	97.0	NO
17	17 OCDF	6.11e4	1.46e5	0.88	NO	0.909	42.77	42.81	NO	1.000	1.001	92.479	92.5	NO
18	18 13C-2,3,7,8-TCDD	1.63e5	1.49e5	0.76	NO	1.15	26.92	26.94	NO	1.024	1.025	95.959	96.0	NO
19	19 13C-1,2,3,7,8-PeCDD	1.05e5	1.49e5	0.62	NO	0.887	31.11	31.15	NO	1.184	1.185	79.680	79.7	NO
20	20 13C-1,2,3,4,7,8-HxCDD	7.75e4	1.40e5	1.35	NO	0.645	34.58	34.61	NO	1.014	1.015	85.588	85.6	NO
21	21 13C-1,2,3,6,7,8-HxCDD	9.18e4	1.40e5	1.31	NO	0.717	34.73	34.74	NO	1.019	1.019	91.281	91.3	NO
22	22 13C-1,2,3,7,8,9-HxCDD	8.72e4	1.40e5	1.29	NO	0.714	35.01	35.06	NO	1.027	1.028	87.047	87.0	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.40e4	1.40e5	1.10	NO	0.583	38.40	38.62	NO	1.127	1.133	78.241	78.2	NO
24	24 13C-OCDD	1.00e5	1.40e5	0.92	NO	0.451	41.95	42.43	NO	1.230	1.245	158.61	79.3	NO
25	25 13C-2,3,7,8-TCDF	2.98e5	2.93e5	0.78	NO	1.09	26.34	26.34	NO	1.002	1.002	93.353	93.4	NO
26	26 13C-1,2,3,7,8-PeCDF	1.92e5	2.93e5	1.70	NO	0.805	29.98	30.00	NO	1.141	1.142	81.318	81.3	NO
27	27 13C-2,3,4,7,8-PeCDF	1.81e5	2.93e5	1.64	NO	0.792	30.93	30.97	NO	1.177	1.178	78.074	78.1	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.35e5	1.40e5	0.49	NO	0.997	33.59	33.62	NO	0.985	0.986	96.335	96.3	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.45e5	1.40e5	0.49	NO	1.03	33.76	33.77	NO	0.990	0.991	100.73	101	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.17e5	1.40e5	0.50	NO	0.940	34.47	34.49	NO	1.011	1.012	88.868	88.9	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.11e5	1.40e5	0.50	NO	0.852	35.58	35.63	NO	1.044	1.045	92.779	92.8	NO

Dataset: U:\VG7.PRO\Results\210525D2\210525D2-1.qld

Last Altered: Wednesday, May 26, 2021 4:26:19 PM Pacific Daylight Time

Printed: Wednesday, May 26, 2021 4:26:29 PM Pacific Daylight Time

Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 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	8.37e4	1.40e5	0.41	NO	0.727	37.13	37.25	NO	1.089	1.093	82.029	82.0	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.91e4	1.40e5	0.42	NO	0.608	39.10	39.28	NO	1.147	1.152	80.977	81.0	NO
34	34 13C-OCDF	1.46e5	1.40e5	0.86	NO	0.631	42.31	42.77	NO	1.241	1.255	164.43	82.2	NO
35	35 37Cl-2,3,7,8-TCDD	3.10e4	1.49e5			2.22	26.93	26.95	NO	1.025	1.026	9.3835	93.8	NO
36	36 13C-1,2,3,4-TCDD	1.49e5	1.49e5	0.82	NO	1.00	26.28	26.28	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	2.93e5	2.93e5	0.77	NO	1.00	25.04	25.03	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.40e5	1.40e5	0.50	NO	1.00	34.06	34.09	NO	1.000	1.000	100.00	100	NO

Dataset: Untitled

Last Altered: Wednesday, May 26, 2021 12:30:19 Pacific Daylight Time

Printed: Wednesday, May 26, 2021 12:30:32 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt_5-19-21.mdb 19 May 2021 12:17:04
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

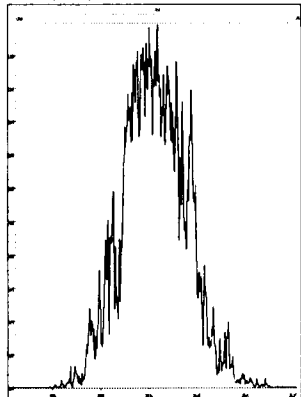
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210525D2_1	ST210525D2-1 1613 CS3 21C0105	25-May-21	11:07:56
2	210525D2_2	SOLVENT BLANK	25-May-21	12:06:48
3	210525D2_3	2105021-01 USMPDI-024SC-A-08-09-210430 ...	25-May-21	12:52:26
4	210525D2_4	2105021-02 USMPDI-024SC-A-09-9.7-210430...	25-May-21	13:39:06
5	210525D2_5	2105021-03 USMPDI-029SC-A-10-11-210430 ...	25-May-21	14:25:46
6	210525D2_6	2105021-04 USMPDI-029SC-A-11-12-210430 ...	25-May-21	15:12:26
7	210525D2_7	2105021-05 USMPDI-051SC-A-08-09-210430 ...	25-May-21	15:59:07
8	210525D2_8	2105021-06 USMPDI-051SC-A-09-10-210430 ...	25-May-21	16:46:21
9	210525D2_9	2105021-07 USMPDI-051SC-A-10-10.8-21043...	25-May-21	17:33:00
10	210525D2_10	2105046-01 USMPDI-030SC-A-01-02-210503 ...	25-May-21	18:19:40
11	210525D2_11	2105046-02 USMPDI-030SC-A-02-03-210503 ...	25-May-21	19:06:19
12	210525D2_12	2105046-03 USMPDI-030SC-A-03-04-210503 ...	25-May-21	19:52:58
13	210525D2_13	2105046-04 USMPDI-030SC-A-04-05-210503 ...	25-May-21	20:39:37

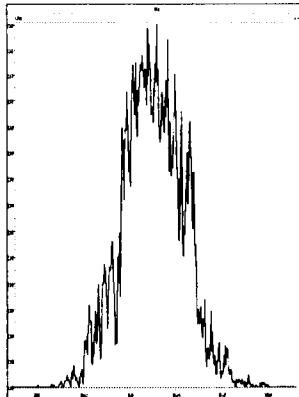
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 25, 2021 11:05:01 Pacific Daylight Time

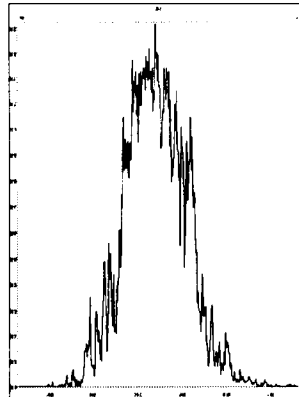
M 292.9824 R 10679



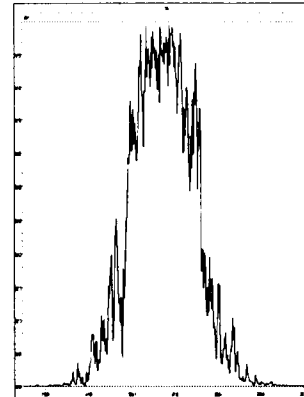
M 304.9824 R 10637



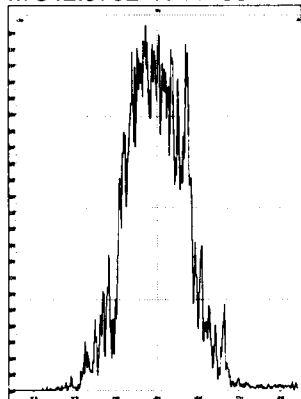
M 318.9792 R 11213



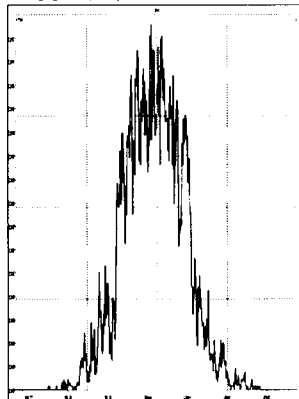
M 330.9792 R 10822



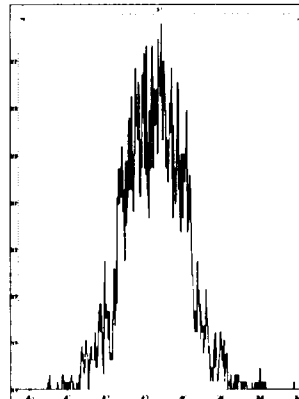
M 342.9792 R 11795



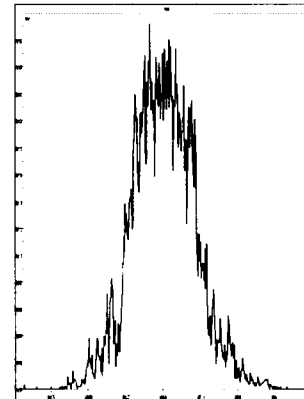
M 354.9792 R 11678



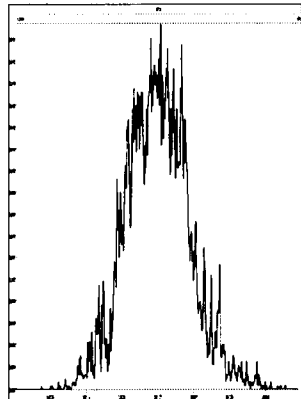
M 366.9792 R 11573



M 380.9760 R 10773



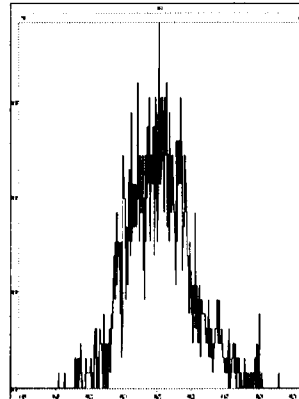
M 392.9760 R 10729



M 404.9760 R 10415



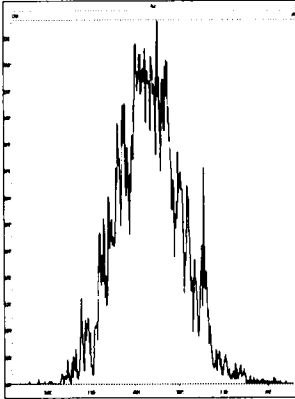
M 416.9760 R 11738



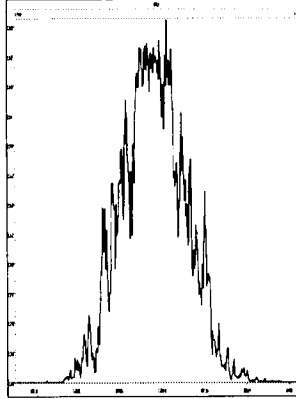
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 25, 2021 11:05:27 Pacific Daylight Time

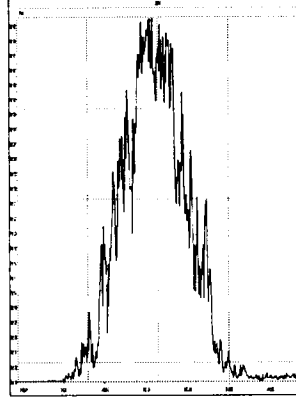
M 318.9792 R 11413



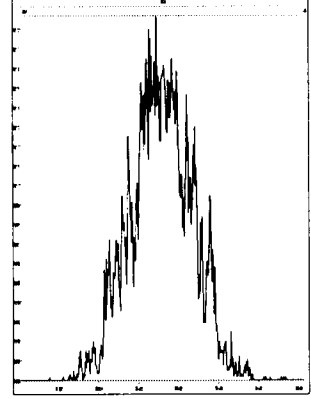
M 330.9792 R 11211



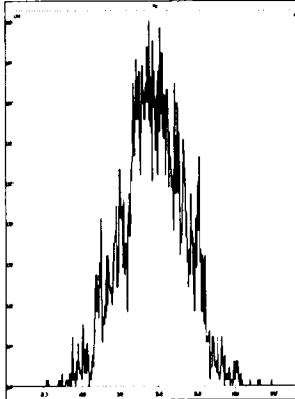
M 342.9792 R 11012



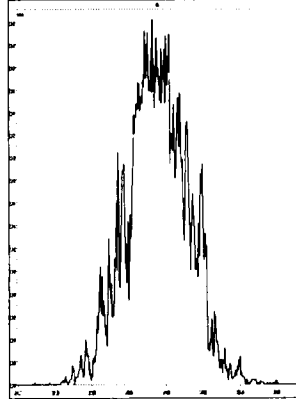
M 354.9792 R 11108



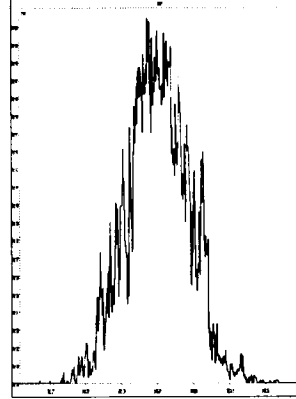
M 366.9792 R 11848



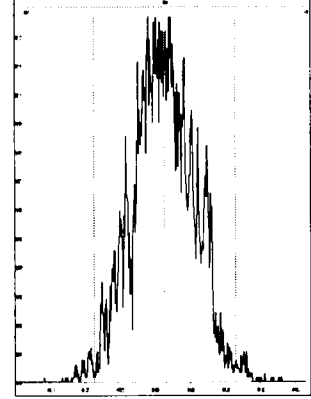
M 380.9760 R 10868



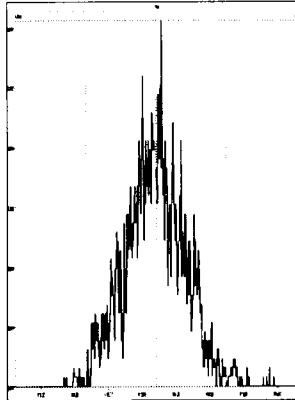
M 392.9760 R 10776



M 404.9760 R 11414



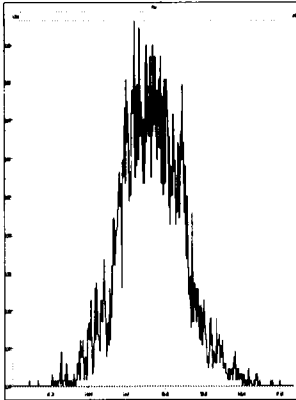
M 416.9760 R 11575



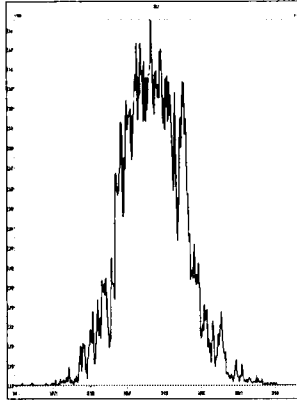
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 25, 2021 11:06:08 Pacific Daylight Time

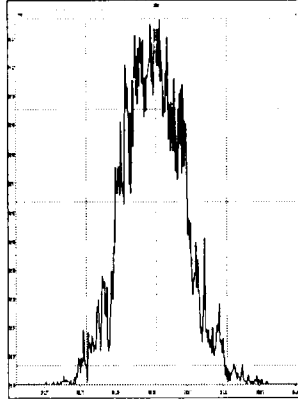
M 366.9792 R 10593



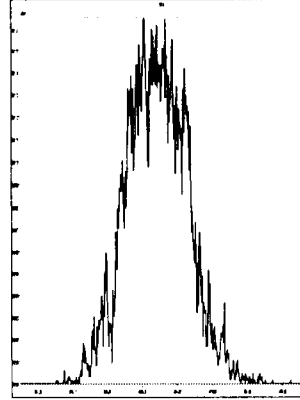
M 380.9760 R 10161



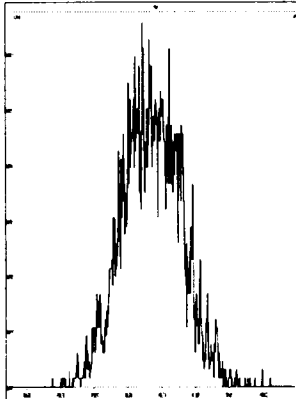
M 392.9760 R 10289



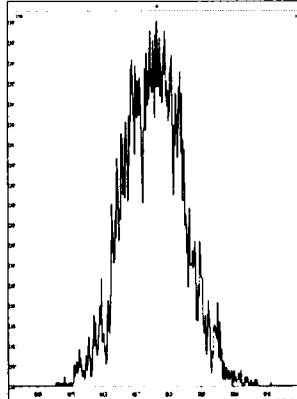
M 404.9760 R 10683



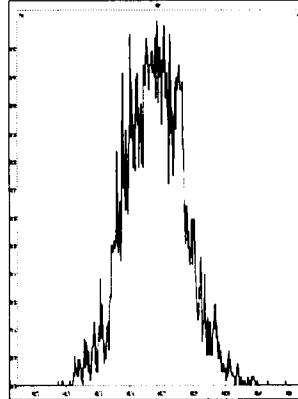
M 416.9760 R 11361



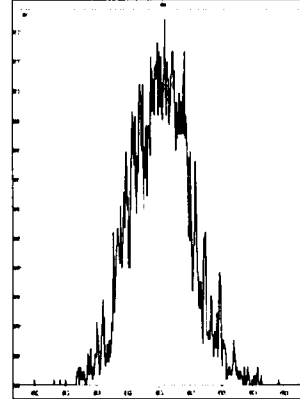
M 430.9728 R 11792



M 442.9728 R 11418



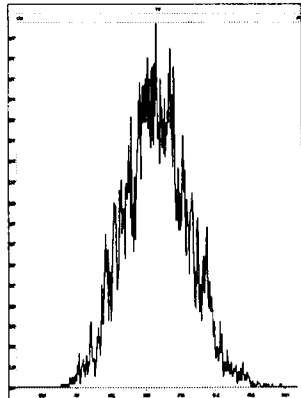
M 454.9728 R 11313



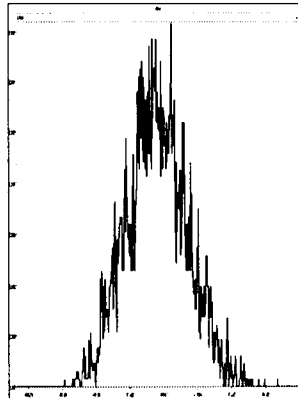
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 25, 2021 11:06:33 Pacific Daylight Time

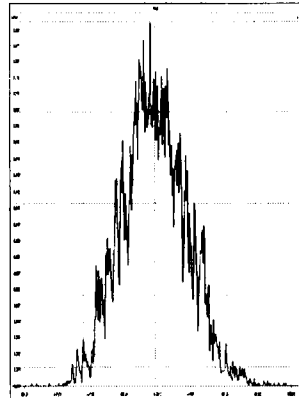
M 404.9760 R 10965



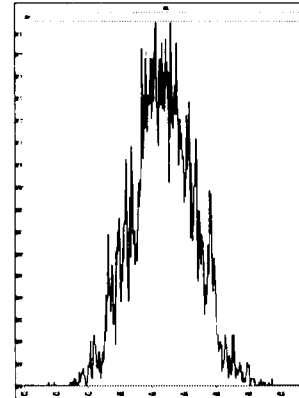
M 416.9760 R 11414



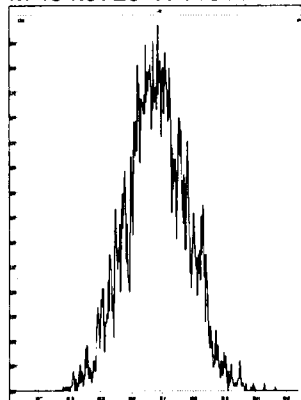
M 430.9728 R 11108



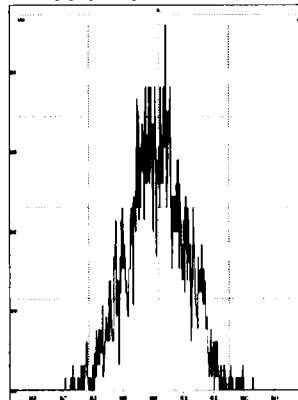
M 442.9728 R 11160



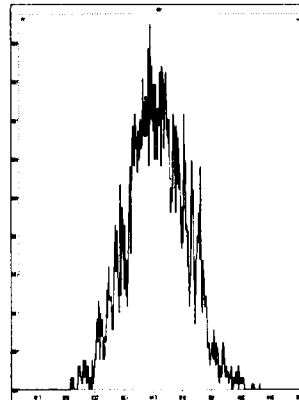
M 454.9728 R 11011



M 466.9728 R 11793



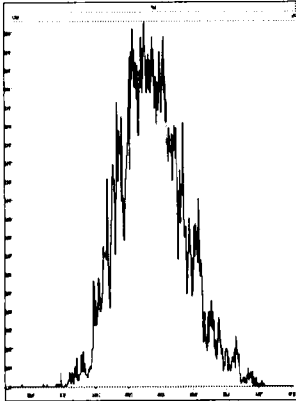
M 480.9696 R 11210



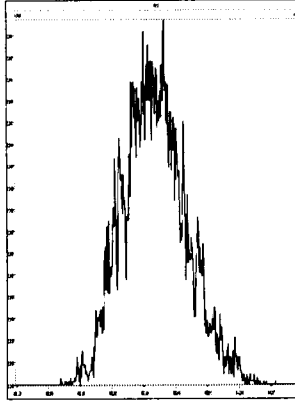
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, May 25, 2021 11:06:55 Pacific Daylight Time

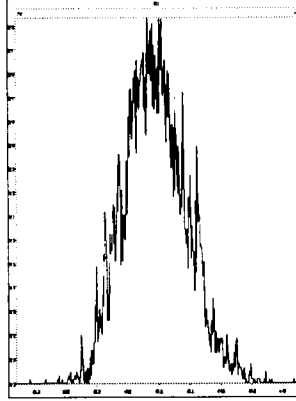
M 430.9728 R 10502



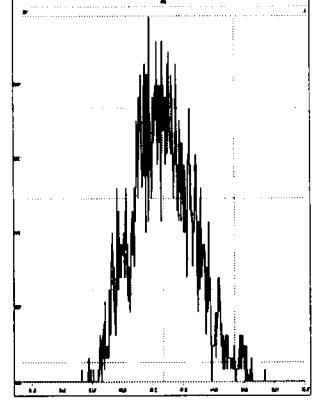
M 442.9728 R 10823



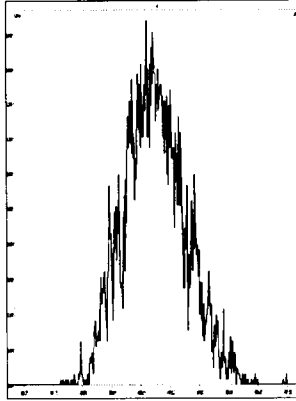
M 454.9728 R 10728



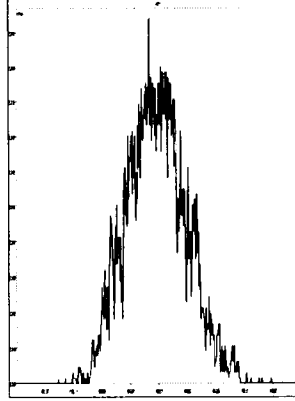
M 466.9728 R 10331



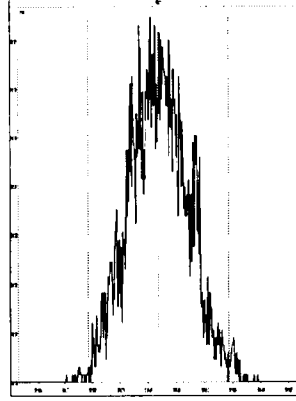
M 480.9696 R 11111



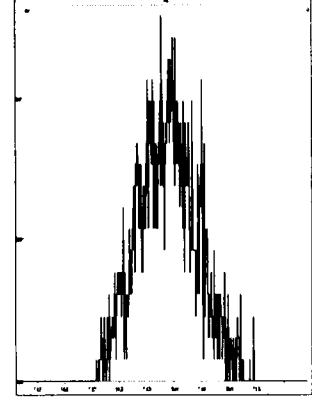
M 492.9696 R 10871



M 504.9696 R 10457



M 516.9697 R 11788



Dataset: Untitled

Last Altered: Wednesday, May 26, 2021 12:28:45 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:29:03 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2021 09:20:10
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.79
2	2 1,2,8,9-TCDD (Last)	27.73
3	3 1,2,4,7,9-PeCDD (First)	29.10
4	4 1,2,3,8,9-PeCDD (Last)	31.51
5	5 1,2,4,6,7,9-HxCDD (First)	32.82
6	6 1,2,3,7,8,9-HxCDD (Last)	35.07
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.62
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.64
9	9 1,3,6,8-TCDF (First)	21.89
10	10 1,2,8,9-TCDF (Last)	28.01
11	11 1,3,4,6,8-PeCDF (First)	27.61
12	12 1,2,3,8,9-PeCDF (Last)	31.87
13	13 1,2,3,4,6,8-HxCDF (First)	32.27
14	14 1,2,3,7,8,9-HxCDF (Last)	35.65
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.26
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.29

Dataset: Untitled

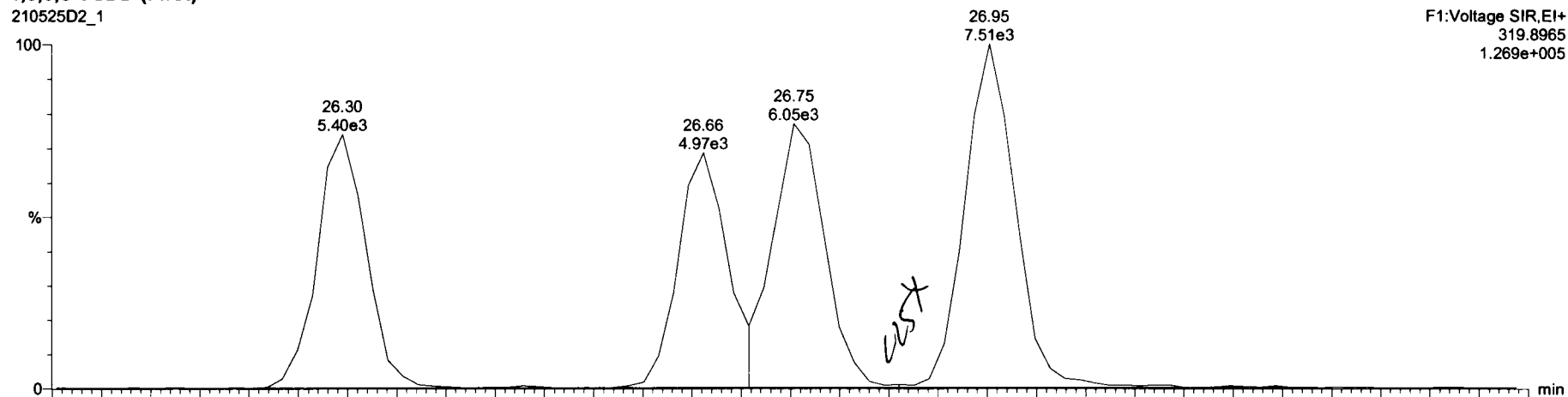
Last Altered: Wednesday, May 26, 2021 12:28:45 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:29:03 Pacific Daylight Time

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Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

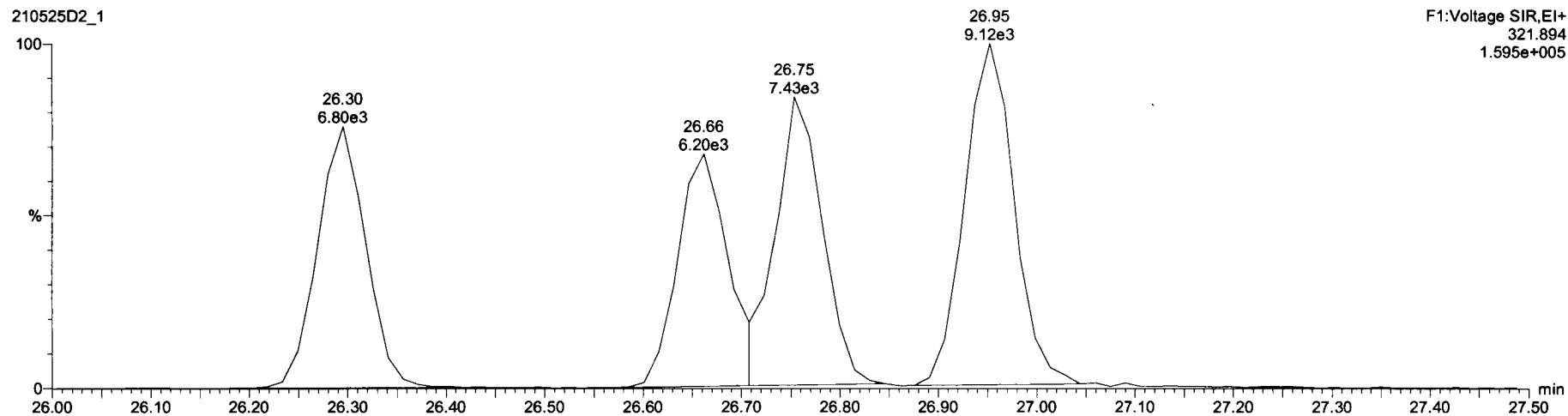
Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210525D2_1



210525D2_1



Dataset: Untitled

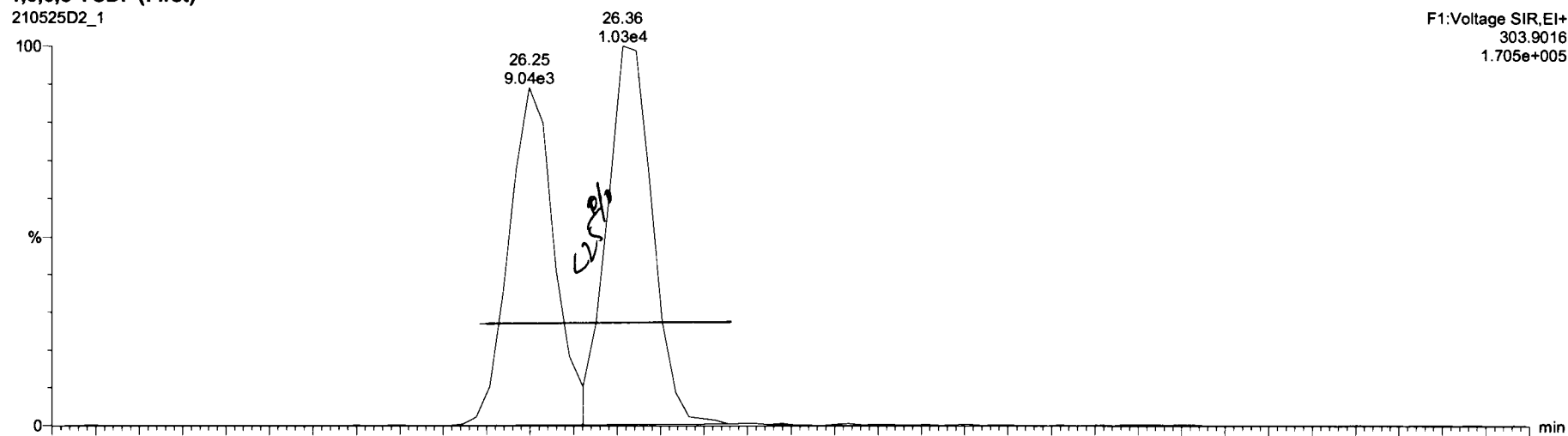
Last Altered: Wednesday, May 26, 2021 12:28:45 Pacific Daylight Time

Printed: Wednesday, May 26, 2021 12:29:03 Pacific Daylight Time

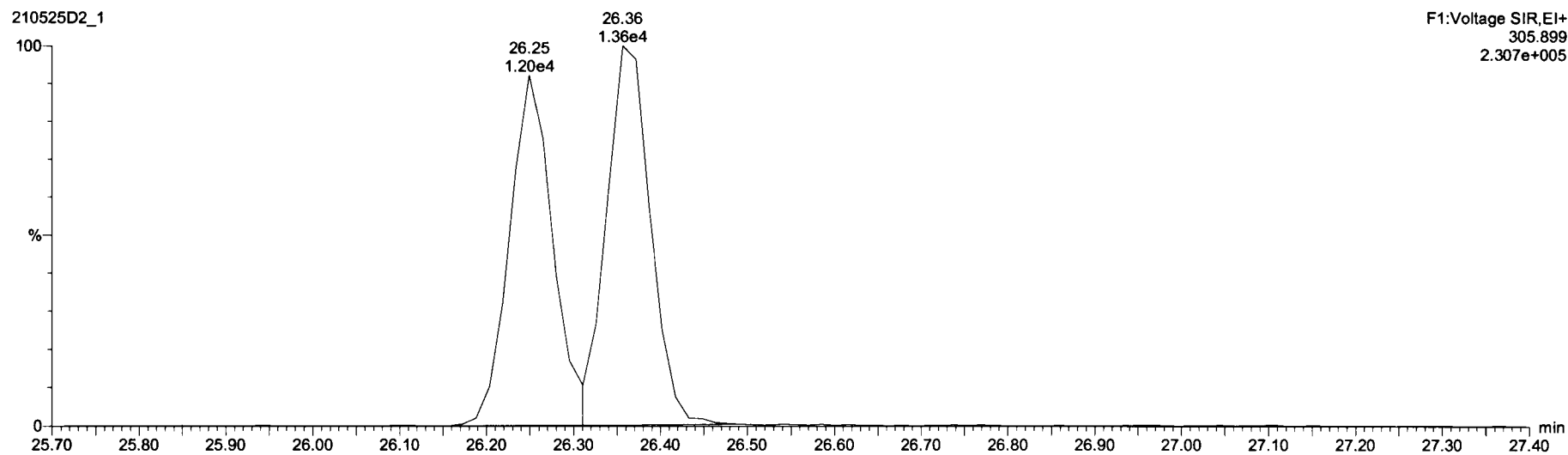
Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)

210525D2_1



210525D2_1



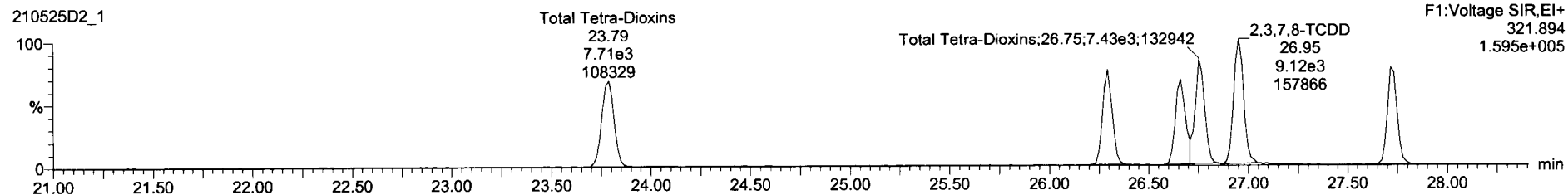
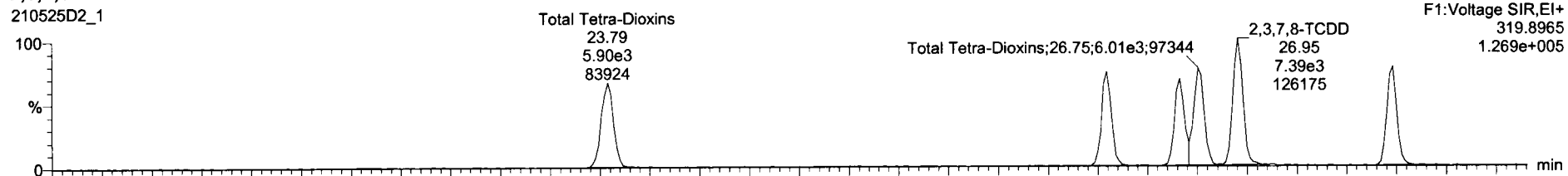
Dataset: U:\VG7.PRO\Results\210525D2\210525D2-1.qld

Last Altered: Tuesday, May 25, 2021 12:03:24 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

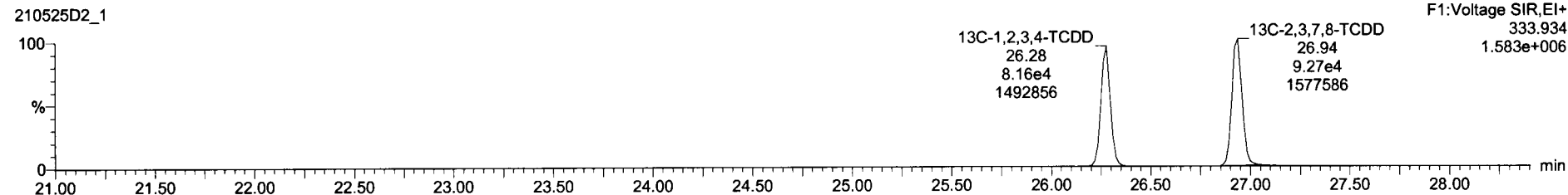
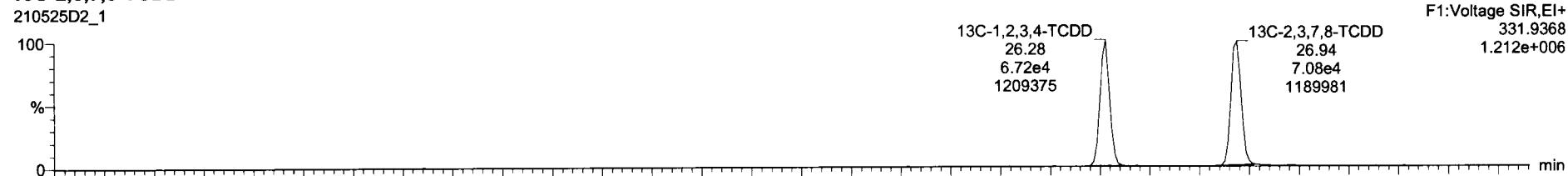
Method: Untitled 19 May 2021 12:17:04
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

2,3,7,8-TCDD



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



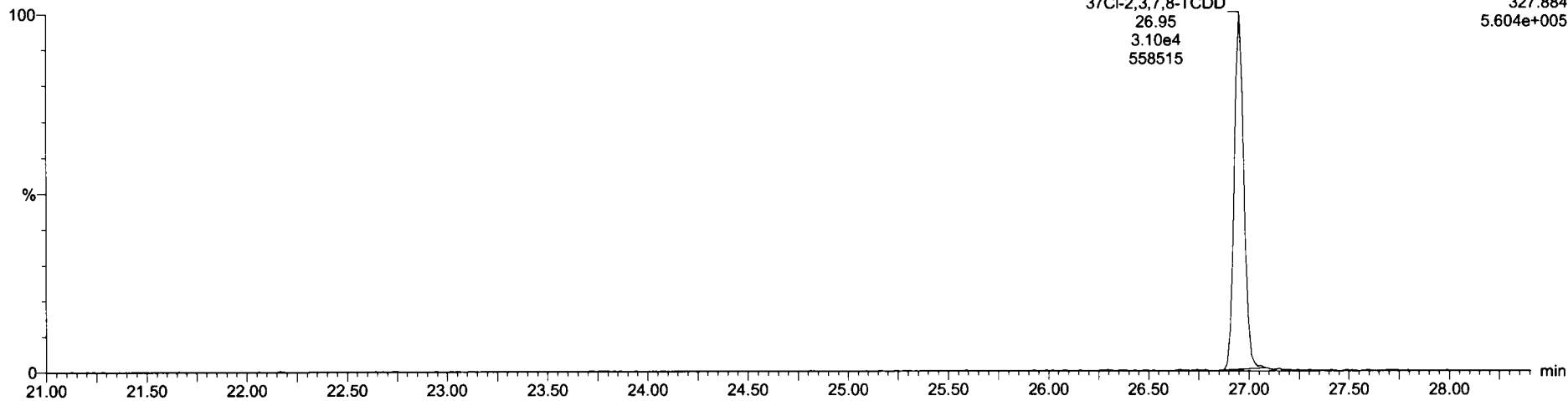
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Last Altered: Tuesday, May 25, 2021 12:03:24 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

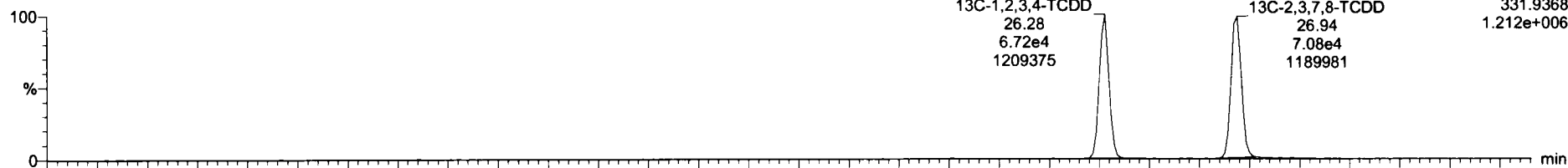
37Cl-2,3,7,8-TCDD

210525D2_1

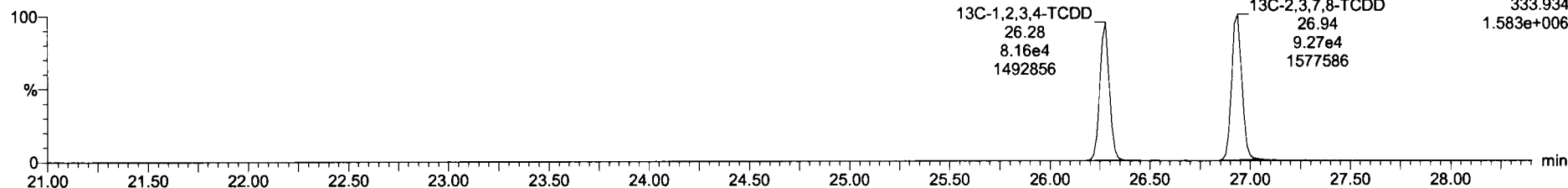


13C-1,2,3,4-TCDD

210525D2_1



210525D2_1



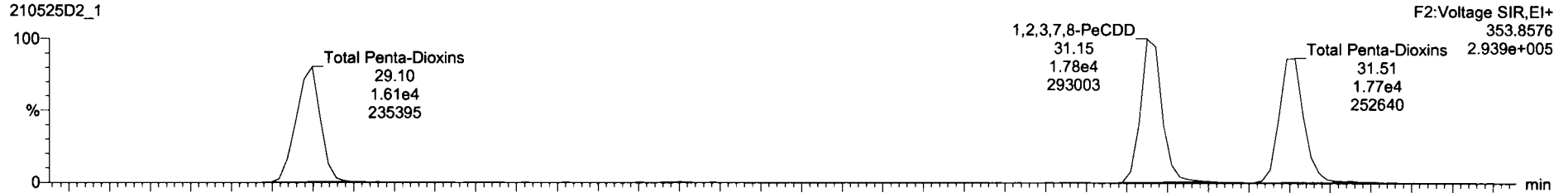
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Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

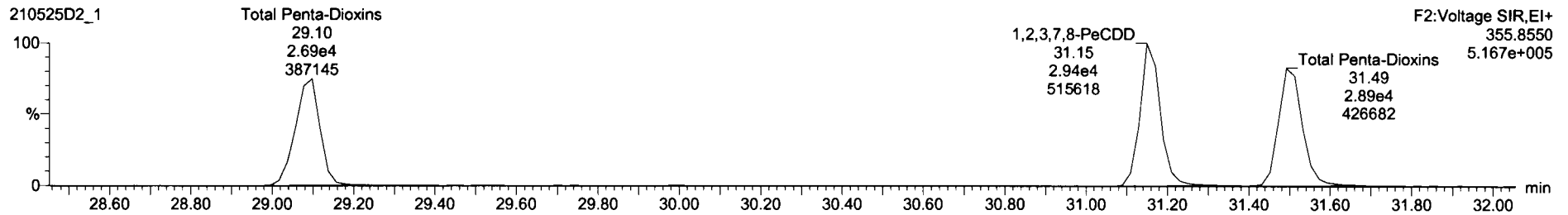
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1,2,3,7,8-PeCDD

210525D2_1

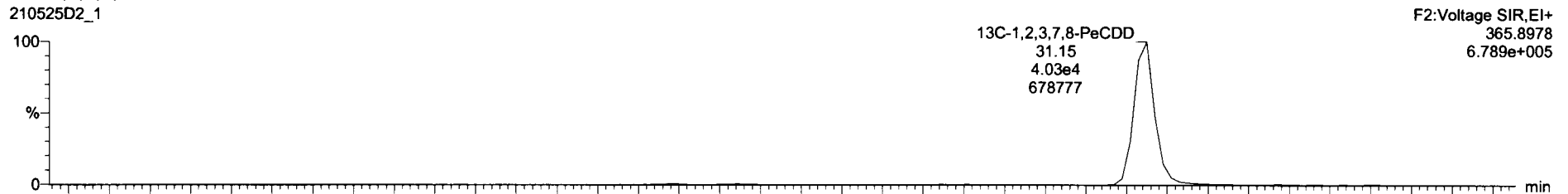


210525D2_1

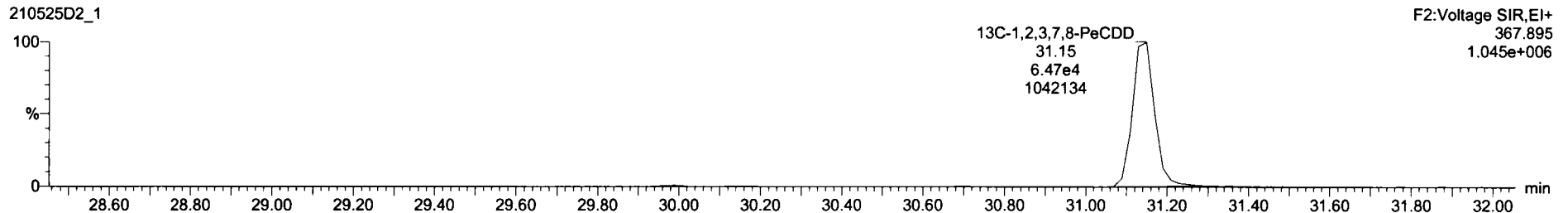


13C-1,2,3,7,8-PeCDD

210525D2_1



210525D2_1



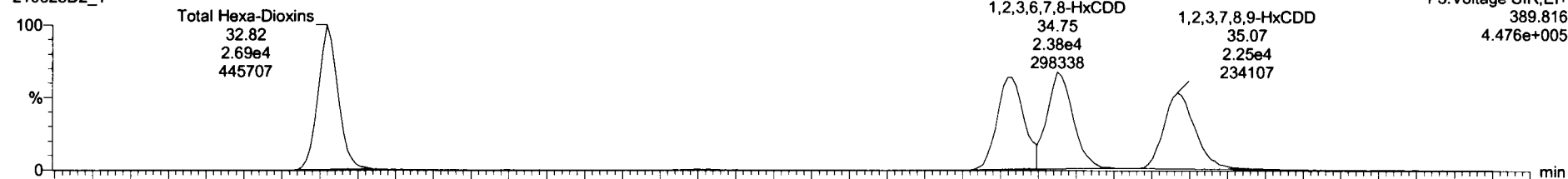
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Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

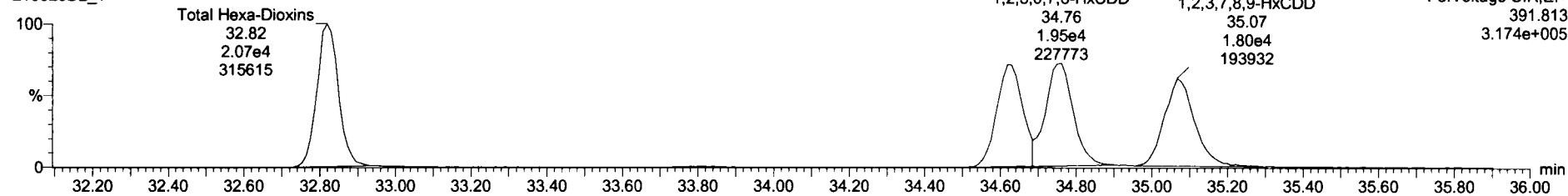
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1,2,3,4,7,8-HxCDD

210525D2_1

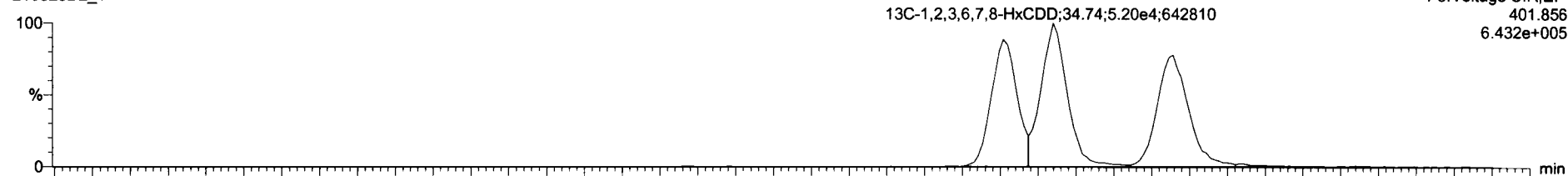


210525D2_1

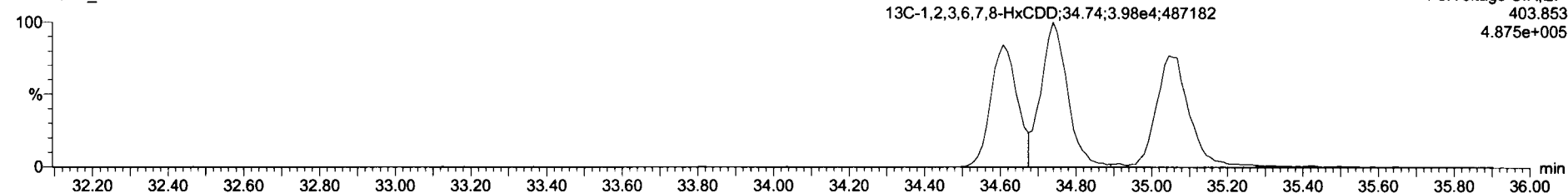


13C-1,2,3,4,7,8-HxCDD

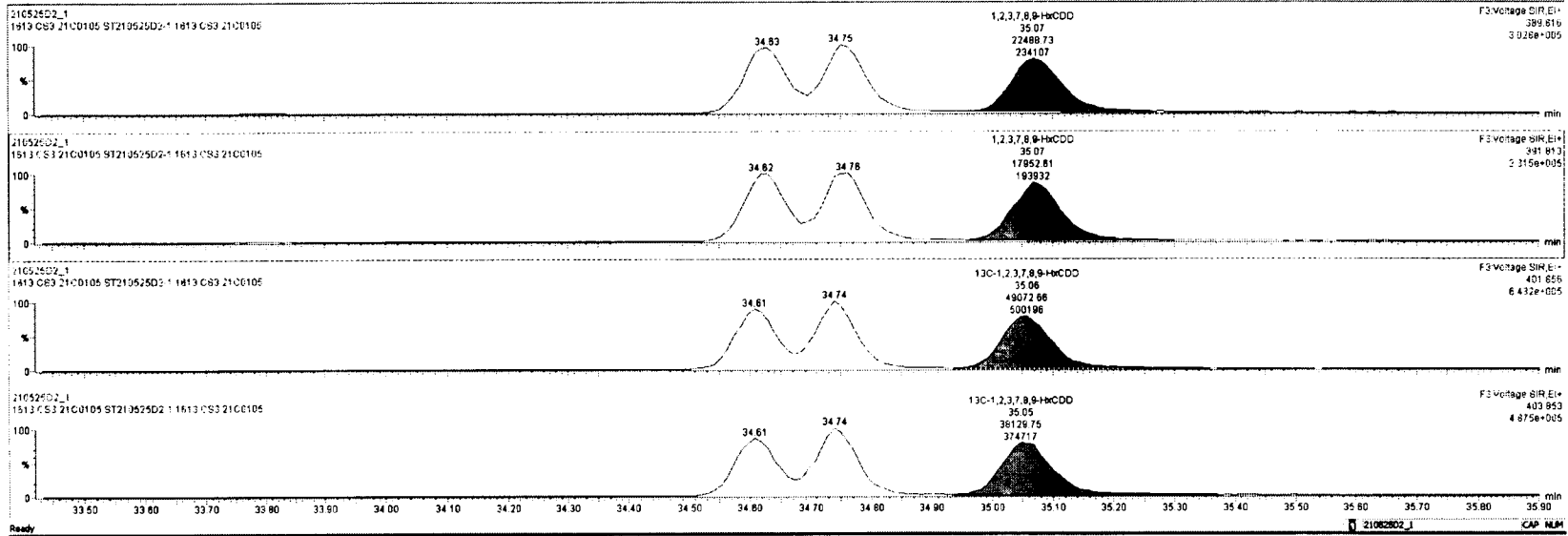
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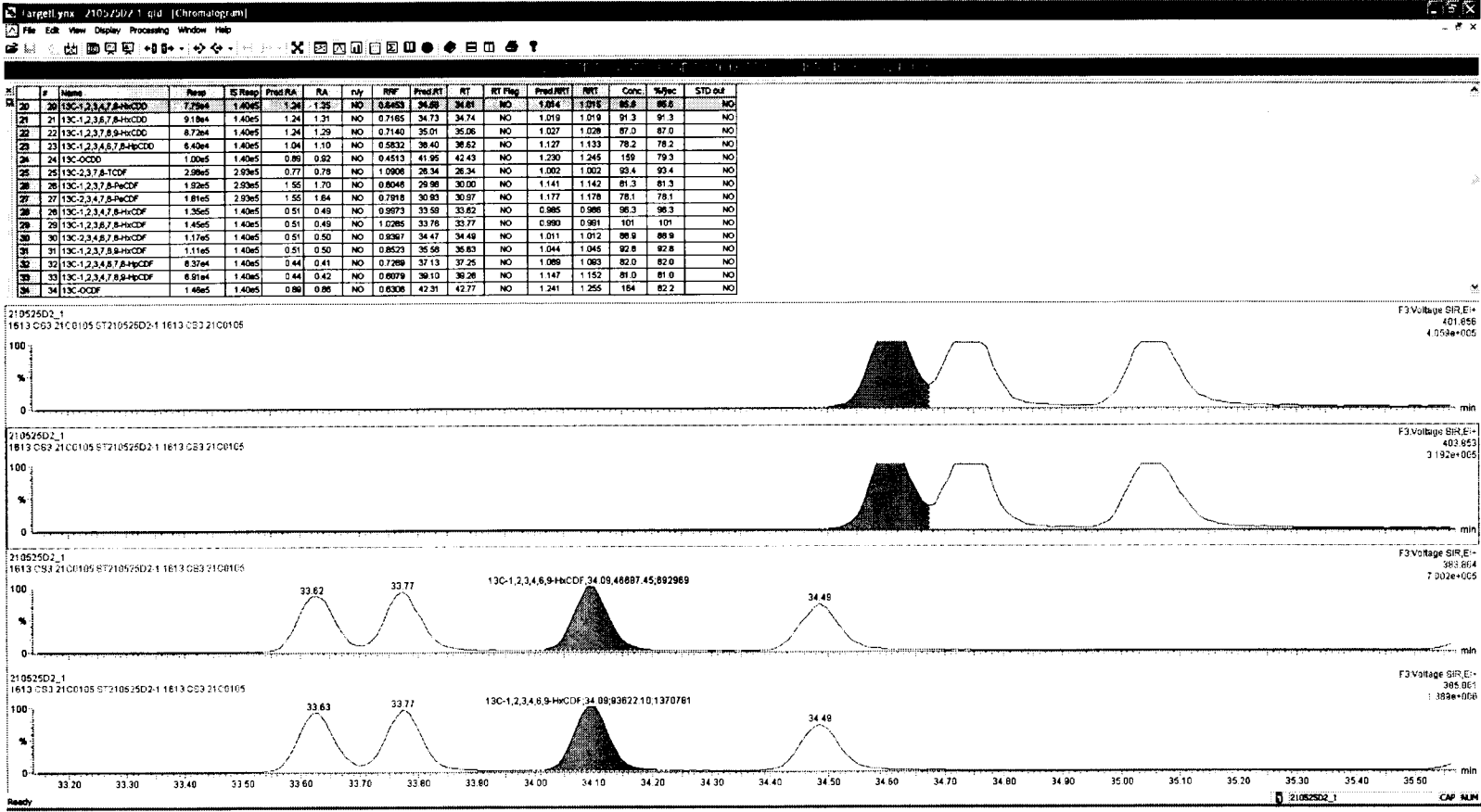


210525D2_1



#	Name	Area	IS Resp	Pred RA	RA	nly	NF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	1.85e4	1.63e5	0.77	0.81	NO	1.0478	26.96	26.95	NO	1.001	1.001	9.64	96.4	NO
2	1,2,3,7,8-PeCDD	4.72e4	1.05e5	0.63	0.60	NO	0.9813	31.17	31.15	NO	1.001	1.000	51.0	102	NO
3	1,2,3,4,7,8-HxCDD	4.13e4	7.74e4	1.24	1.32	NO	1.1429	34.82	34.83	NO	1.000	1.001	46.6	93.3	NO
4	1,2,3,6,7,8-HxCDD	4.32e4	9.19e4	1.24	1.22	NO	1.0108	34.75	34.75	NO	1.000	1.000	46.6	93.2	NO
5	1,2,3,7,8-HxCDF	4.84e4	8.73e4	1.24	1.28	NO	1.0184	35.08	35.07	NO	1.001	1.000	46.6	93.0	NO
6	1,2,3,4,6,7,8-HpCDD	3.03e4	6.40e4	1.04	1.05	NO	1.0850	38.63	38.64	NO	1.000	1.001	44.5	89.0	NO
7	OCDD	4.57e4	1.00e5	0.88	0.91	NO	1.0022	42.43	42.44	NO	1.000	1.000	90.9	90.9	NO
8	2,3,7,8-TCDF	2.39e4	2.98e5	0.77	0.78	NO	0.9837	26.37	26.36	NO	1.001	1.001	9.26	92.8	NO
9	1,2,3,7,8-PeCDF	9.41e4	1.92e5	1.55	1.66	NO	0.9484	30.02	30.00	NO	1.001	1.000	51.8	104	NO
10	2,3,4,7,8-PeCDF	9.88e4	1.81e5	1.55	1.65	NO	1.0377	31.00	30.97	NO	1.001	1.000	51.6	103	NO
11	1,2,3,4,7,8-HxCDF	8.84e4	1.35e5	1.24	1.26	NO	1.0430	33.85	33.84	NO	1.001	1.001	48.8	97.3	NO
12	1,2,3,6,7,8-HxCDF	7.39e4	1.45e5	1.24	1.29	NO	1.0742	33.78	33.78	NO	1.000	1.000	47.3	94.6	NO
13	2,3,4,6,7,8-HxCDF	8.32e4	1.17e5	1.24	1.27	NO	1.1171	34.48	34.50	NO	1.000	1.000	48.3	96.5	NO
14	1,2,3,7,8,9-HxCDF	5.86e4	1.11e5	1.24	1.27	NO	1.0887	35.83	35.85	NO	1.000	1.001	46.5	92.9	NO
15	1,2,3,4,6,7,8-HpCDF	4.87e4	8.37e4	1.04	1.05	NO	1.1988	37.28	37.28	NO	1.001	1.000	50.2	100	NO





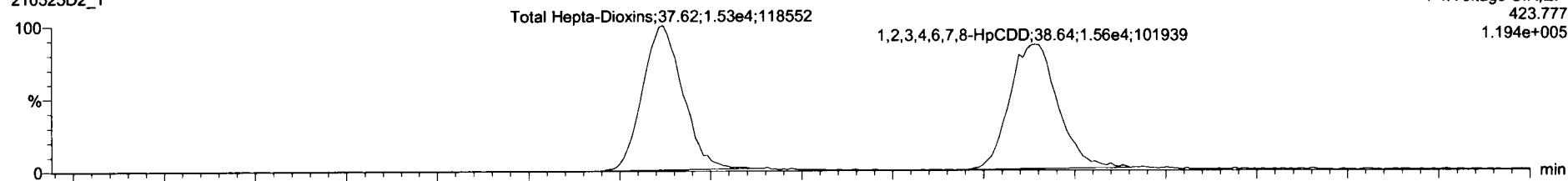
Dataset: U:\VG7.PRO\Results\210525D2\210525D2-1.qld

Last Altered: Tuesday, May 25, 2021 12:03:24 Pacific Daylight Time
Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

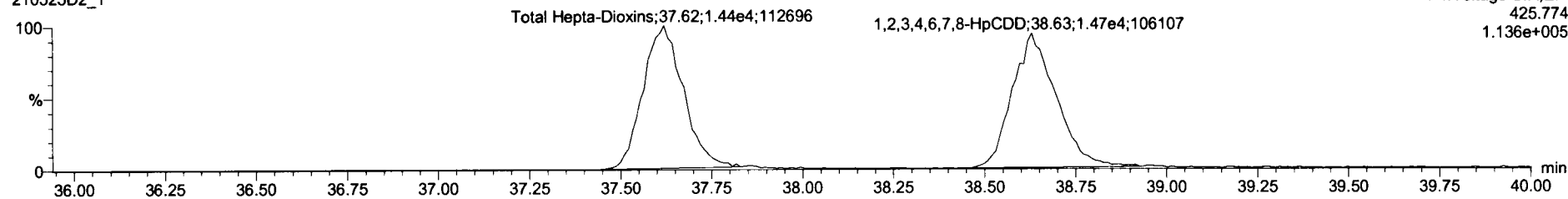
Name: 210525D2_1, Date: 25-May-2021, Time: 11:07:56, ID: ST210525D2-1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

210525D2_1

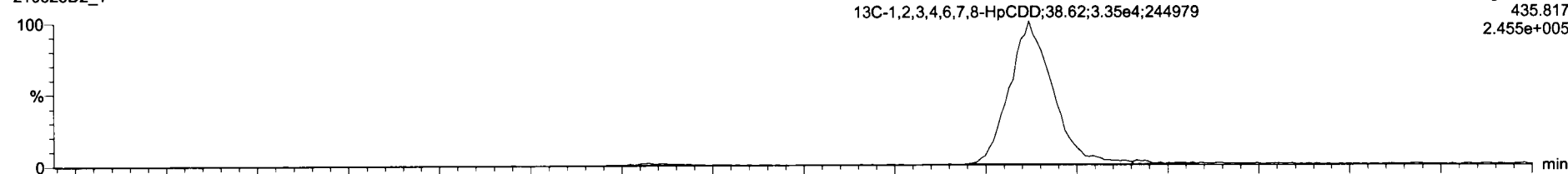


210525D2_1

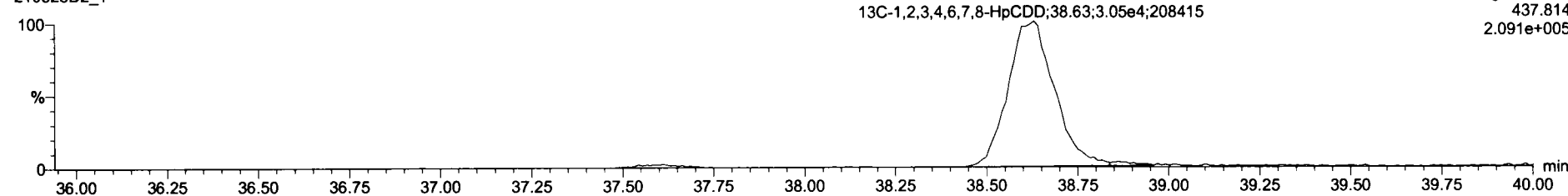


13C-1,2,3,4,6,7,8-HpCDD

210525D2_1



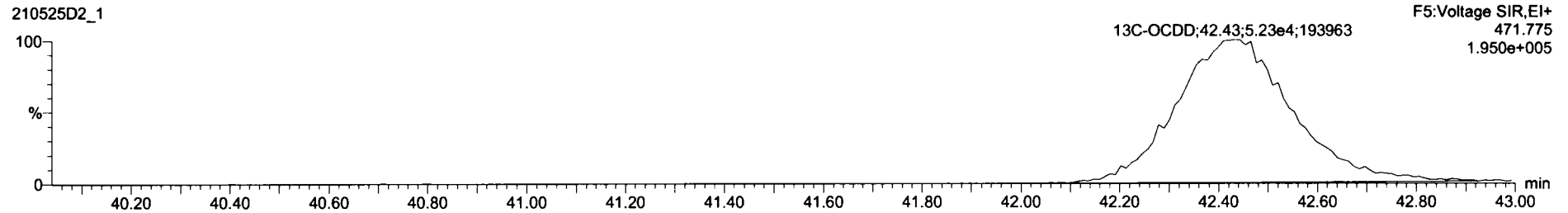
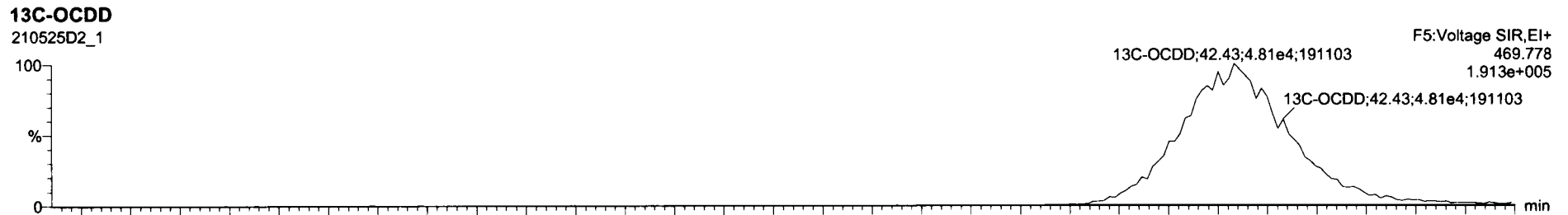
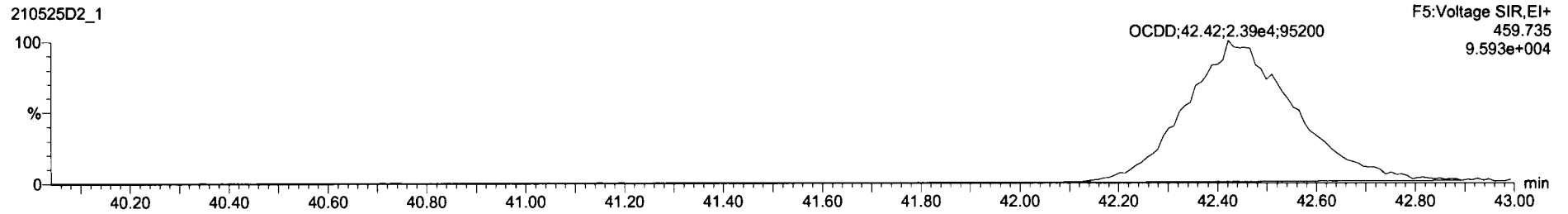
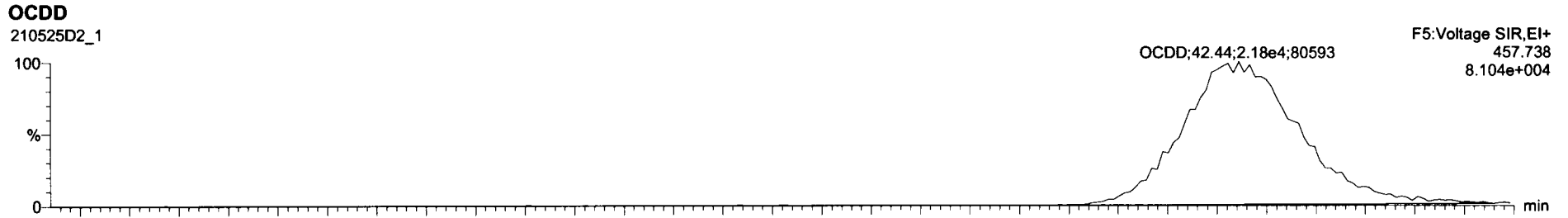
210525D2_1



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-1.qld

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Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

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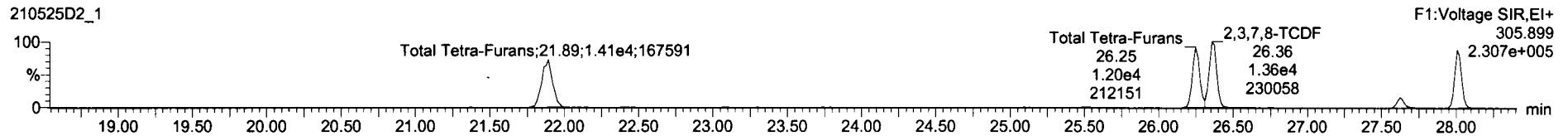
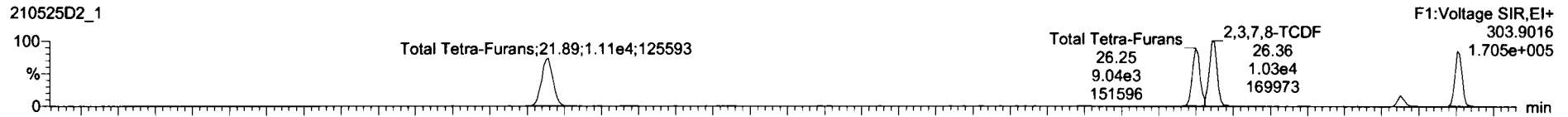


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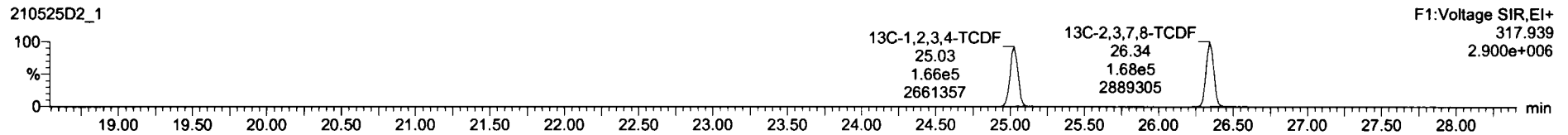
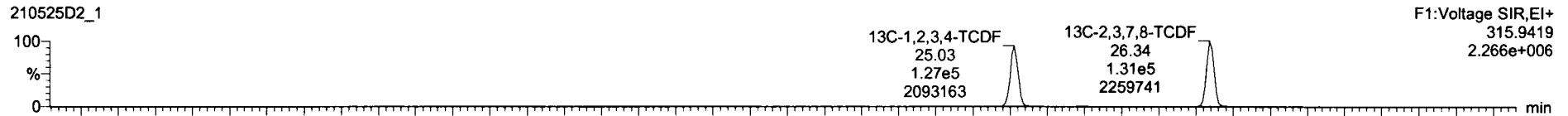
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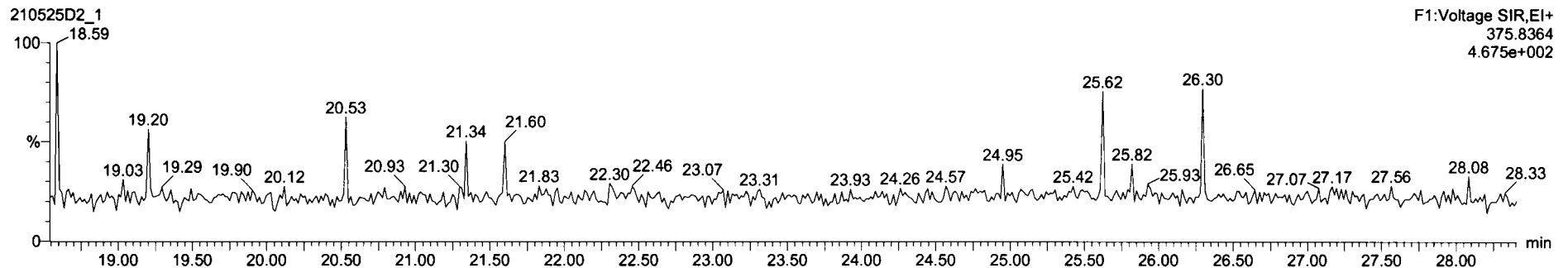
2,3,7,8-TCDF



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



DPE1



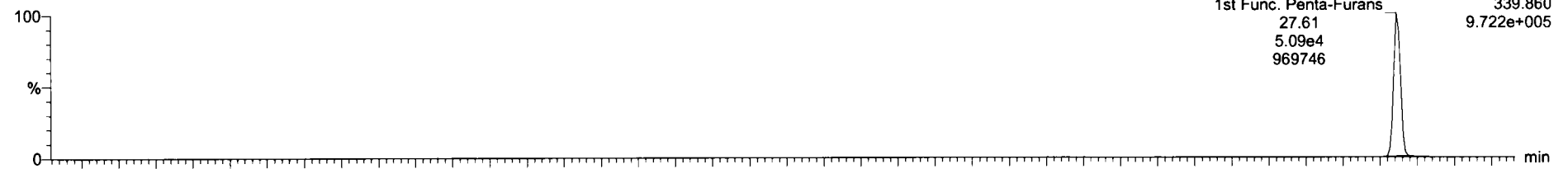
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Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

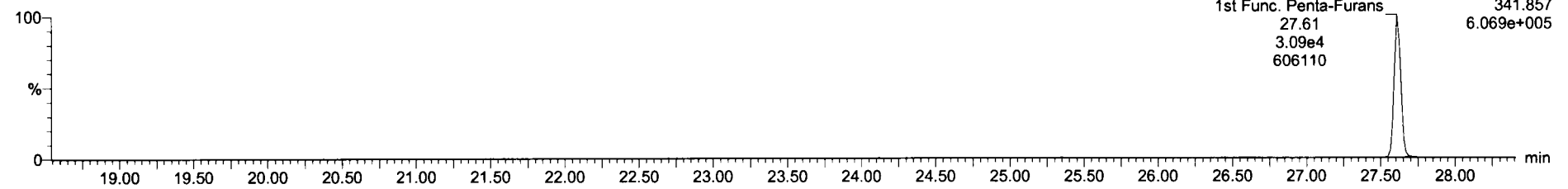
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1st Func. Penta-Furans

210525D2_1

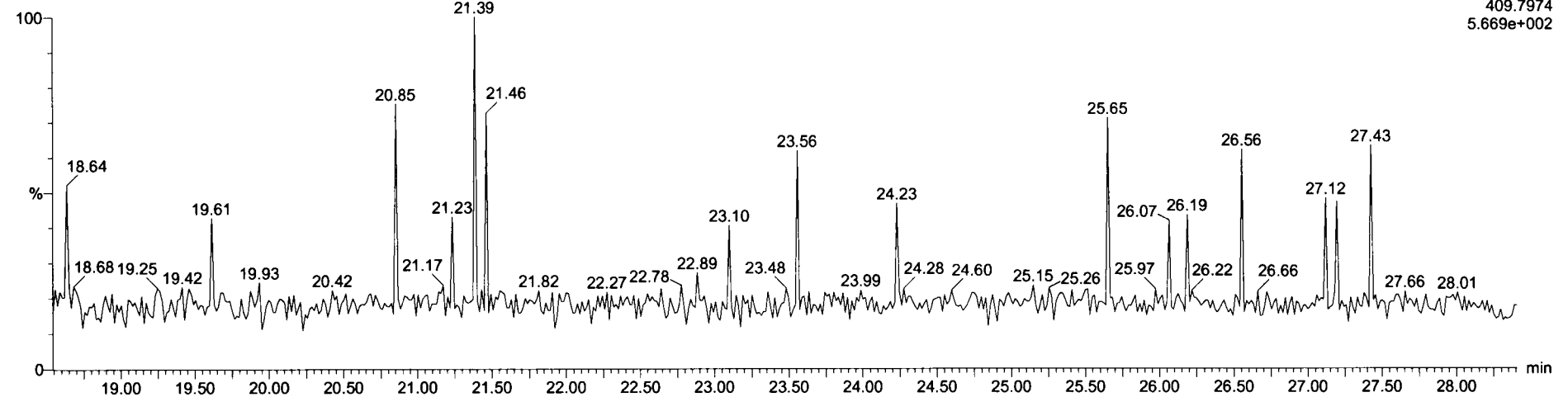


210525D2_1



DPE6

210525D2_1



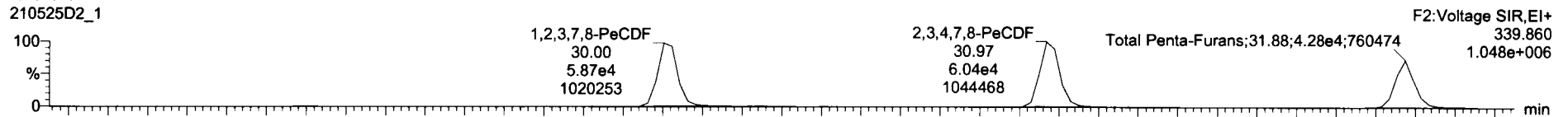
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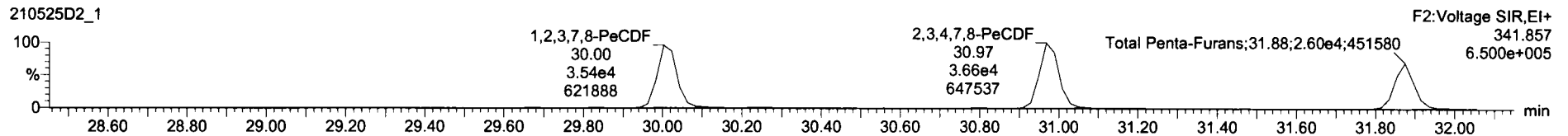
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1,2,3,7,8-PeCDF

210525D2_1

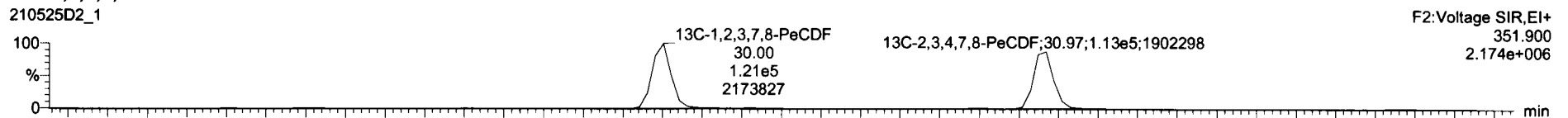


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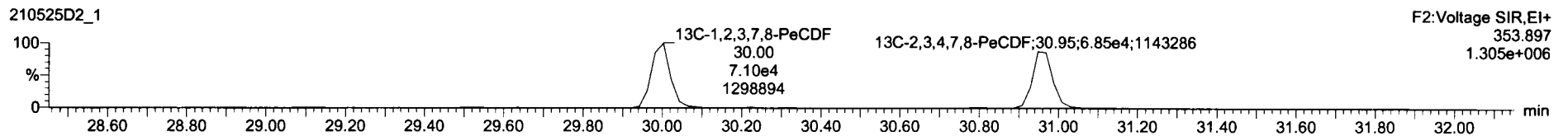


13C-1,2,3,7,8-PeCDF

210525D2_1

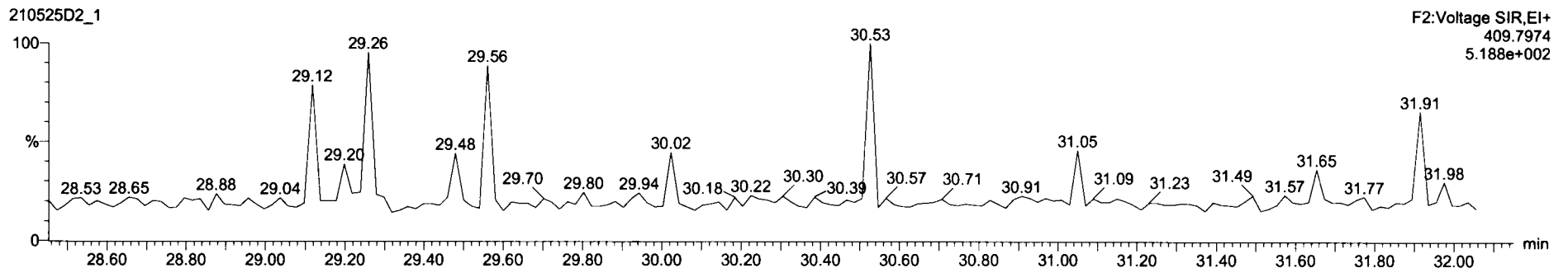


210525D2_1



DPE2

210525D2_1

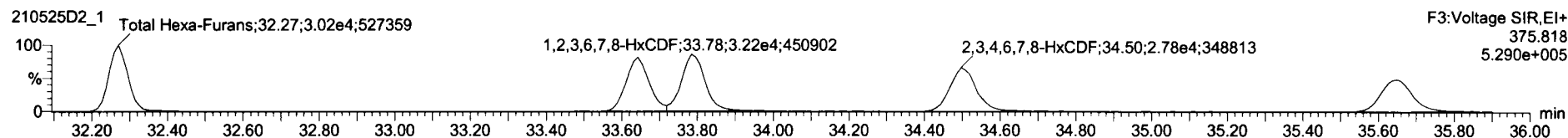
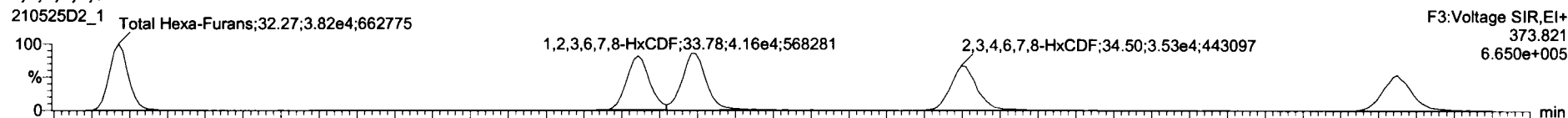


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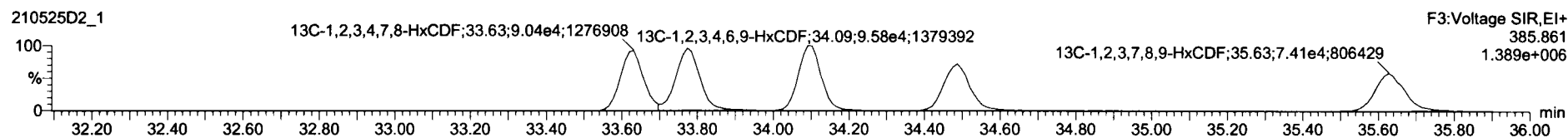
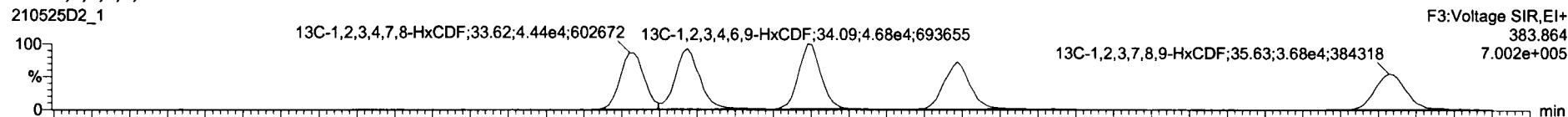
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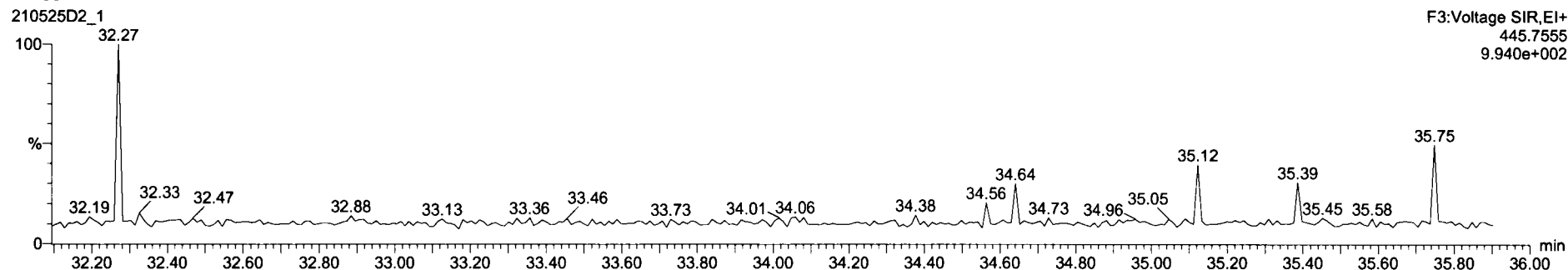
1,2,3,4,7,8-HxCDF



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



DPE3

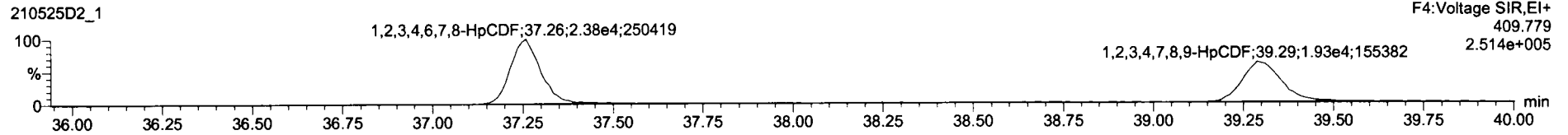
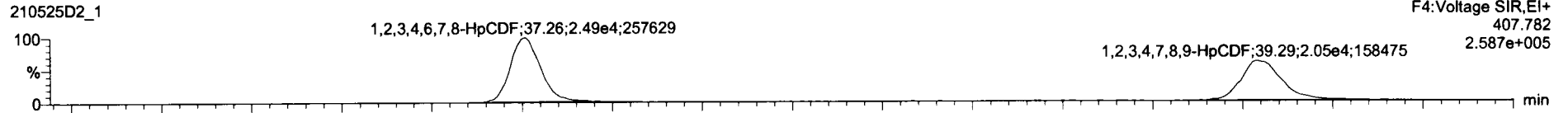


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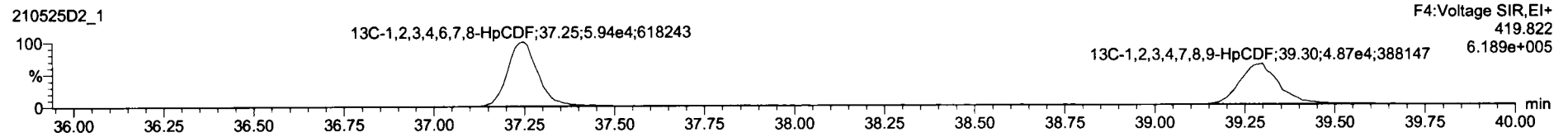
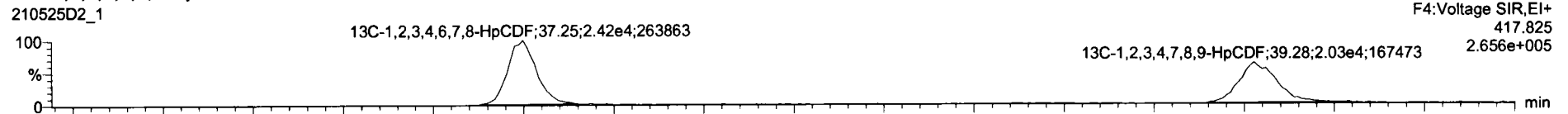
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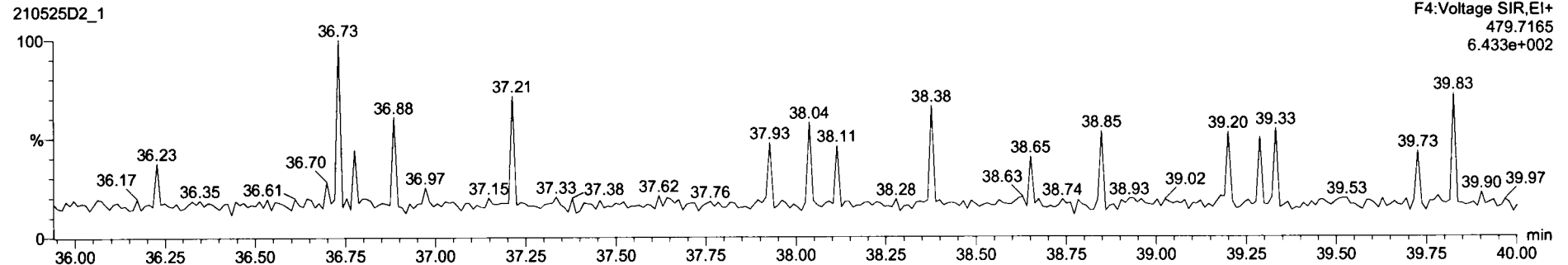
1,2,3,4,6,7,8-HpCDF



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



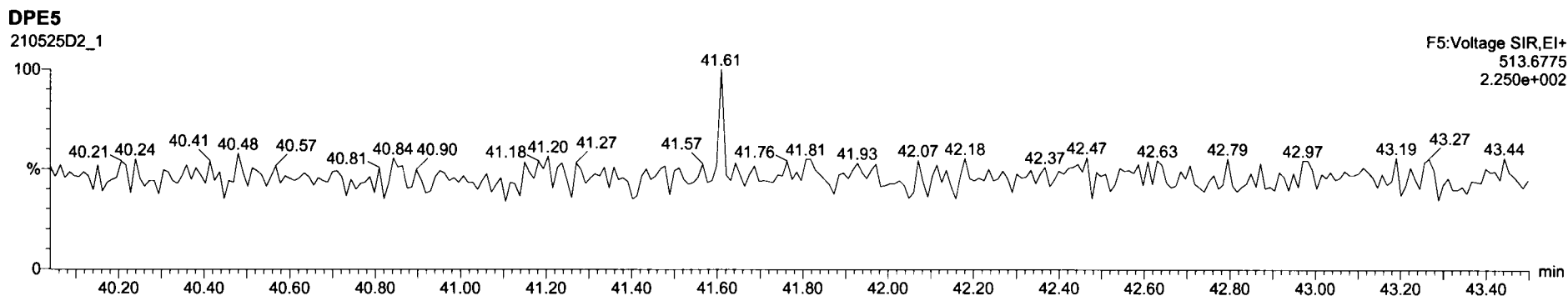
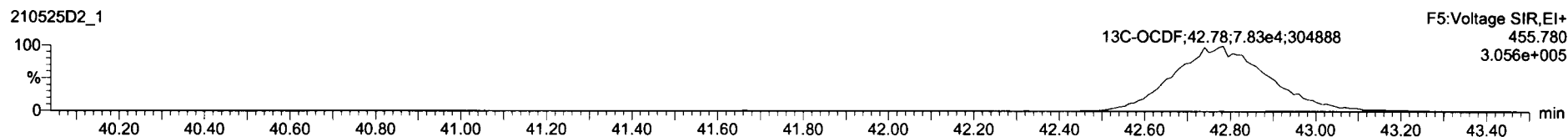
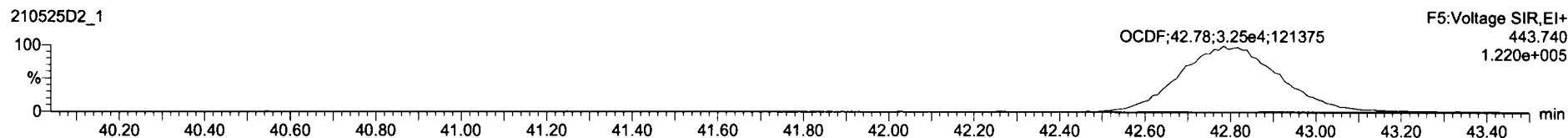
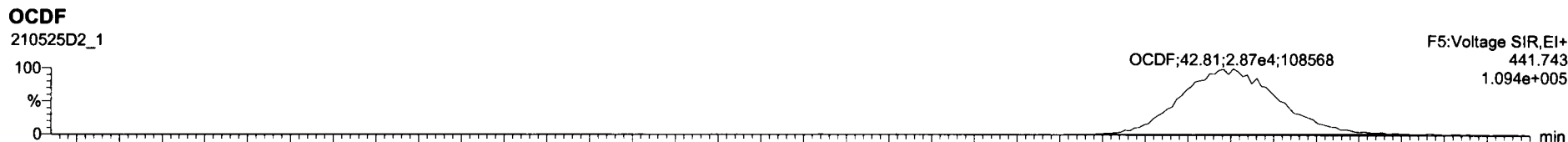
DPE4



Dataset: U:\VG7.PRO\Results\210525D2\210525D2-1.qld

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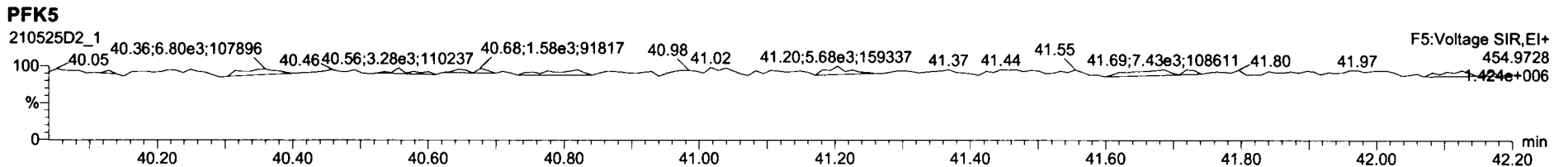
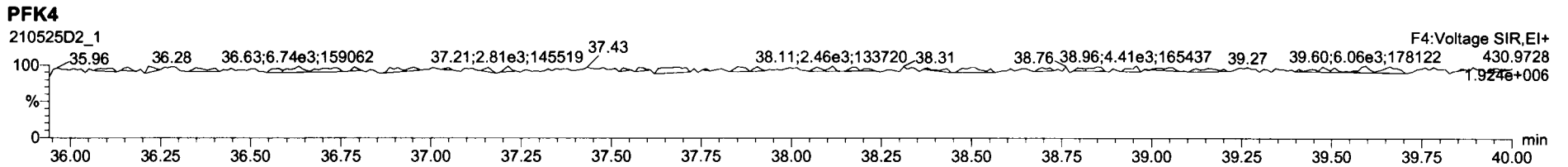
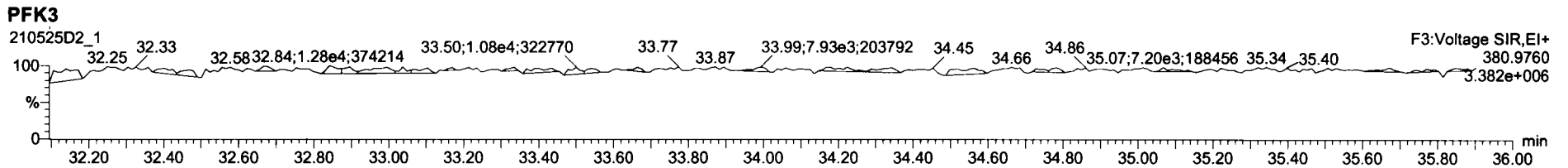
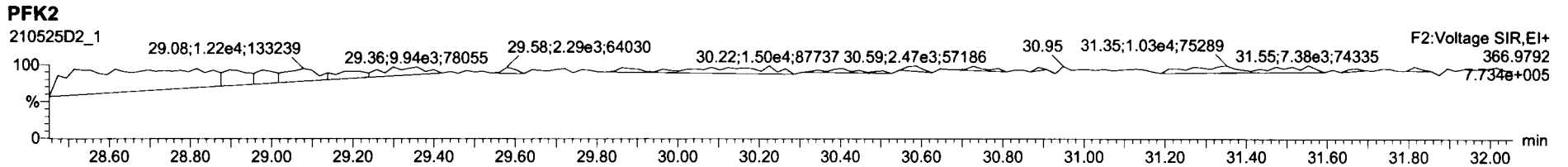
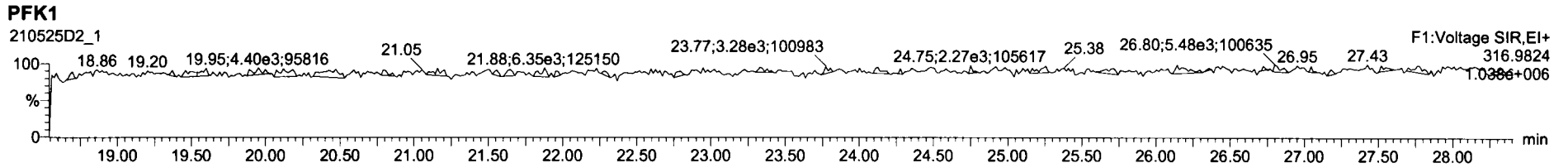
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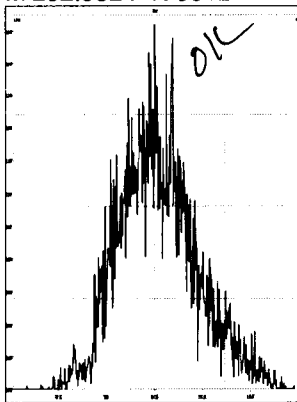
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Printed: Wednesday, May 26, 2021 12:21:38 Pacific Daylight Time

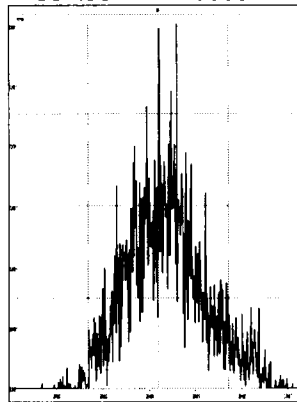
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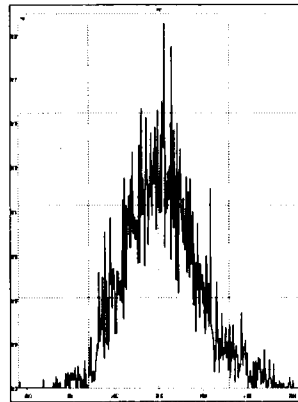
M 292.9824 R 9012



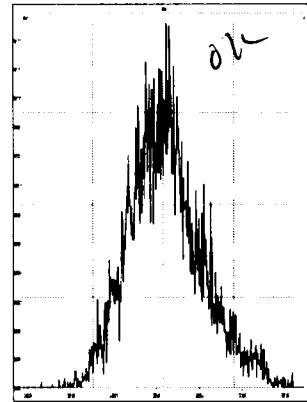
M 304.9824 R 10803



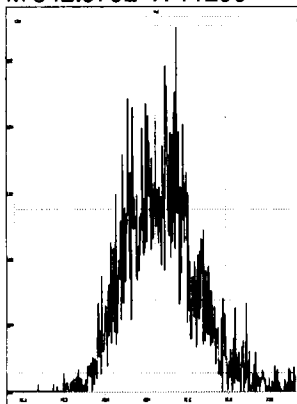
M 318.9792 R 10526



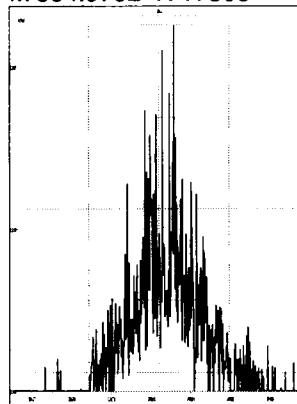
M 330.9792 R 9907



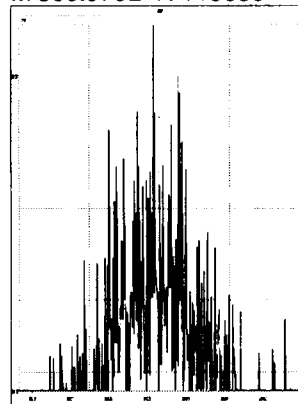
M 342.9792 R 11290



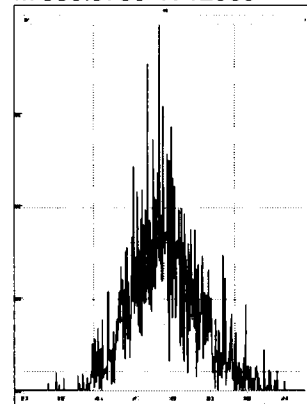
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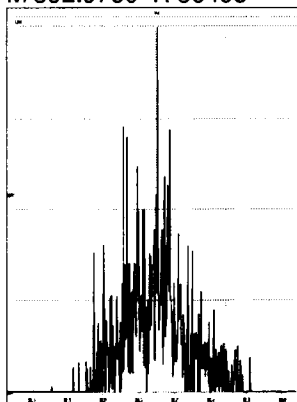
M 366.9792 R 113635



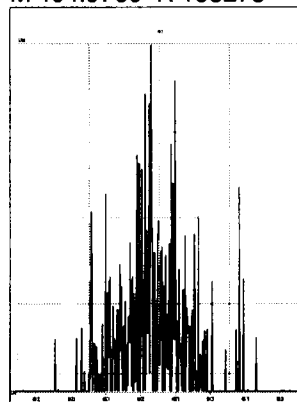
M 380.9760 R 12965



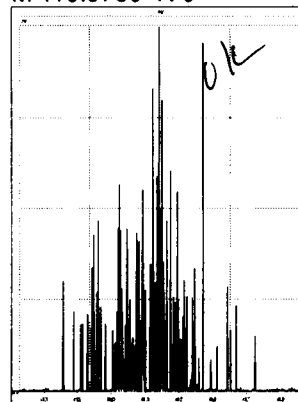
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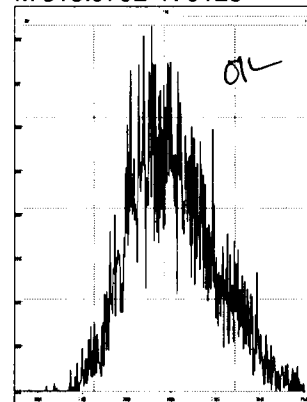
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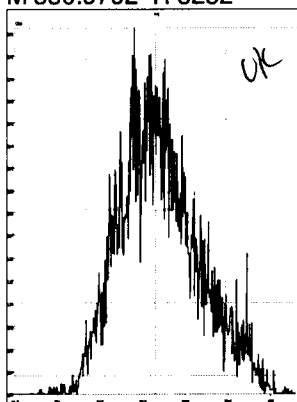
M 416.9760 R 0



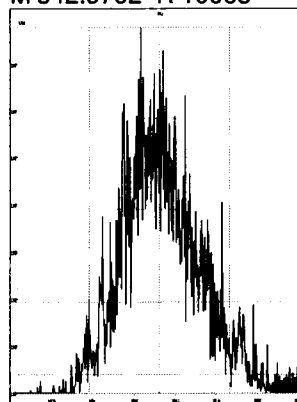
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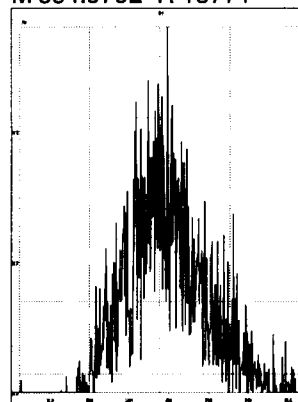
M 330.9792 R 8252



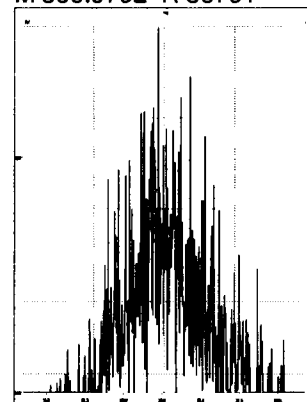
M 342.9792 R 10065



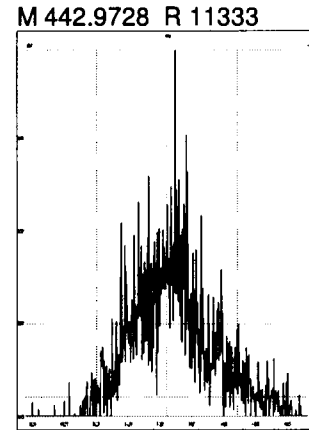
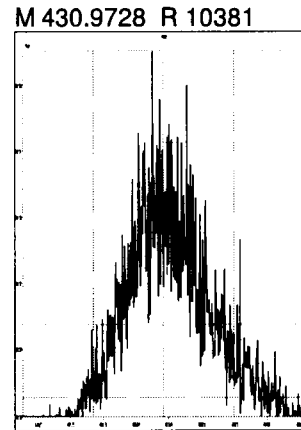
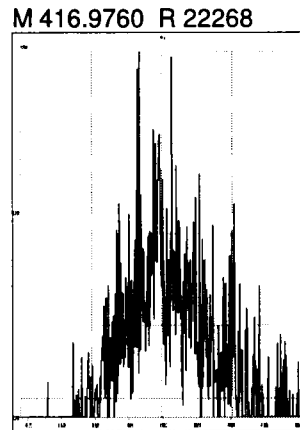
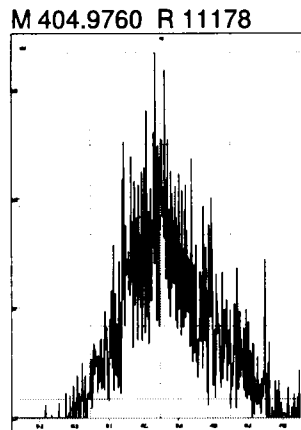
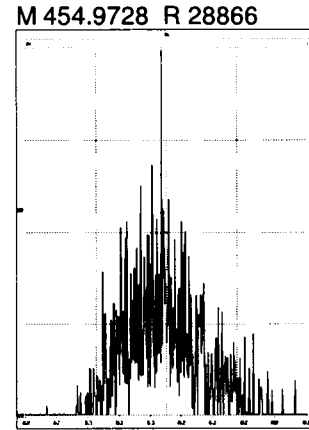
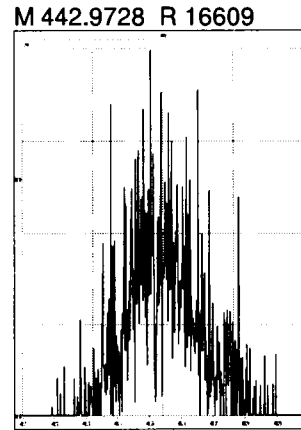
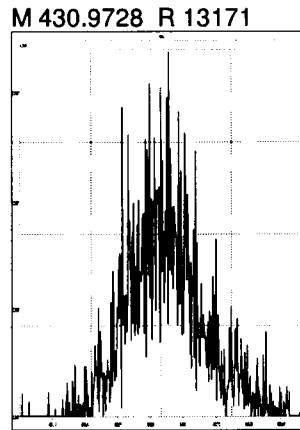
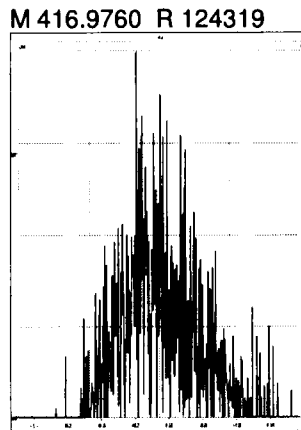
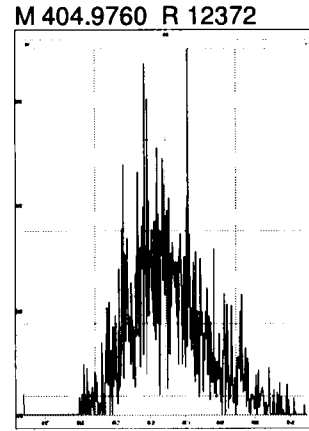
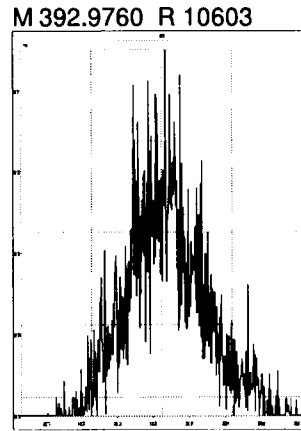
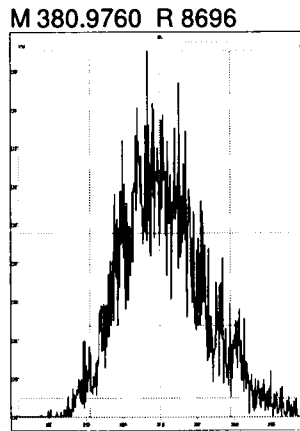
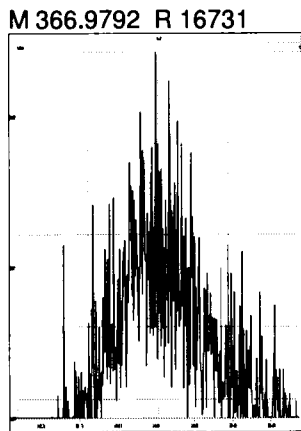
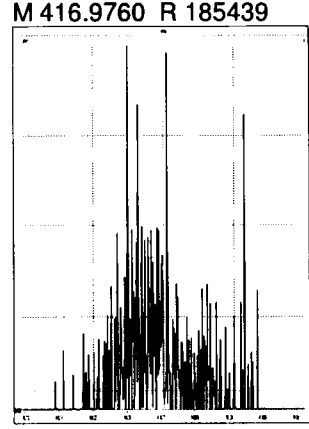
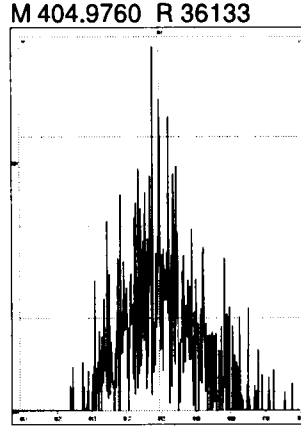
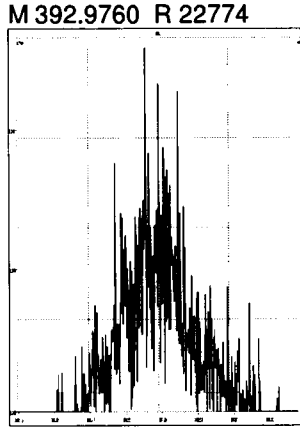
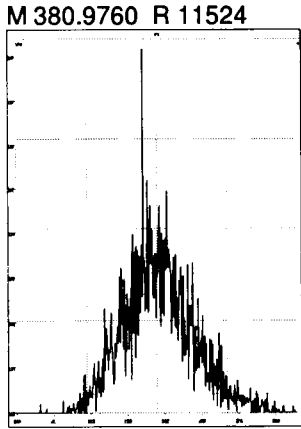
M 354.9792 R 15771



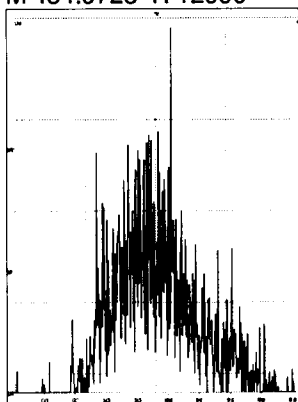
M 366.9792 R 36791



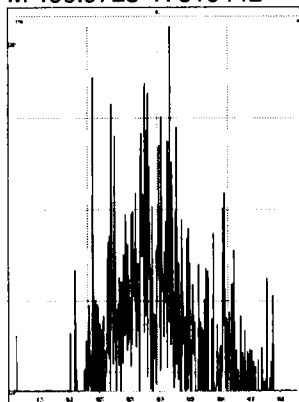
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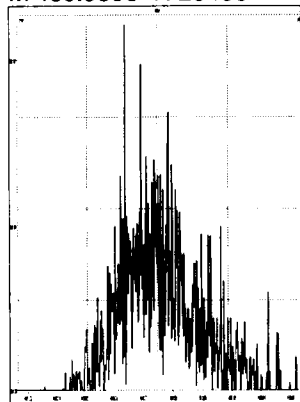
M 454.9728 R 12990



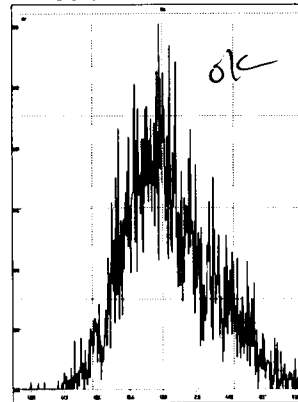
M 466.9728 R 319442



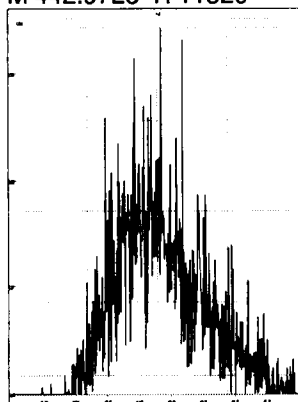
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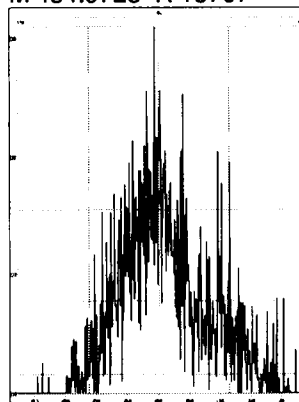
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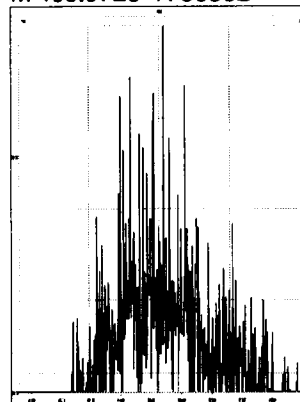
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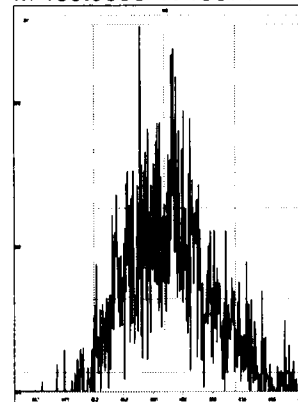
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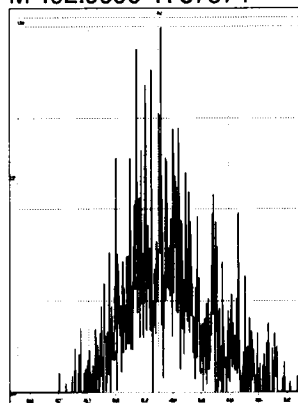
M 466.9728 R 58332



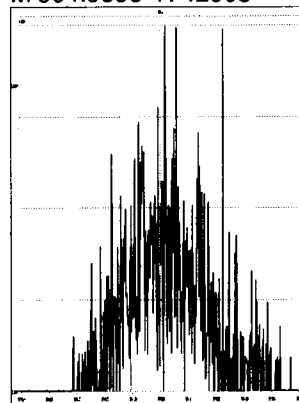
M 480.9696 R 13371



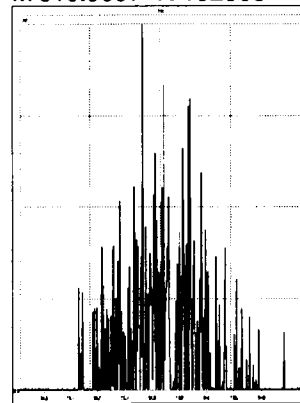
M 492.9696 R 87574



M 504.9696 R 42908



M 516.9697 R 192308



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST210608RL1

Reviewed By: DE66/09/21

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>Y/N</u>	<input type="checkbox"/>
<u>Run Log:</u>		
- 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>Y/N</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) Instrument paused, end resolution check printed following day HN 06/09/21

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_1.qld

Last Altered: Wednesday, June 09, 2021 11:08:21 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:09:10 Pacific Daylight Time

1-IN 06/08/21
DF 06/09/21

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_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	2.21e4	2.52e5	0.76	NO	0.929	26.70	26.70	NO	1.001	1.001	9.4649	94.6	NO
2	2 1,2,3,7,8-PeCDD	6.49e4	1.50e5	0.59	NO	0.826	31.15	31.14	NO	1.001	1.000	52.263	105	NO
3	3 1,2,3,4,7,8-HxCDD	5.44e4	1.08e5	1.29	NO	0.972	34.51	34.50	NO	1.001	1.000	52.053	104	NO
4	4 1,2,3,6,7,8-HxCDD	5.48e4	1.23e5	1.26	NO	0.877	34.63	34.63	NO	1.001	1.001	50.841	102	NO
5	5 1,2,3,7,8,9-HxCDD	5.39e4	1.24e5	1.28	NO	0.874	34.92	34.92	NO	1.000	1.000	49.608	99.2	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.86e4	8.45e4	1.03	NO	0.899	38.30	38.30	NO	1.000	1.000	50.756	102	NO
7	7 OCDD	6.29e4	1.48e5	0.88	NO	0.852	41.38	41.38	NO	1.000	1.000	99.935	99.9	NO
8	8 2,3,7,8-TCDF	2.74e4	3.95e5	0.72	NO	0.747	26.05	26.06	NO	1.000	1.001	9.2954	93.0	NO
9	9 1,2,3,7,8-PeCDF	1.04e5	2.36e5	1.60	NO	0.877	29.93	29.94	NO	1.000	1.001	50.322	101	NO
10	10 2,3,4,7,8-PeCDF	1.21e5	2.42e5	1.57	NO	0.962	30.96	30.95	NO	1.001	1.001	52.255	105	NO
11	11 1,2,3,4,7,8-HxCDF	7.25e4	1.59e5	1.27	NO	0.920	33.56	33.56	NO	1.000	1.000	49.568	99.1	NO
12	12 1,2,3,6,7,8-HxCDF	7.75e4	1.69e5	1.26	NO	0.936	33.70	33.69	NO	1.001	1.000	48.877	97.8	NO
13	13 2,3,4,6,7,8-HxCDF	7.01e4	1.46e5	1.27	NO	0.973	34.40	34.39	NO	1.001	1.000	49.408	98.8	NO
14	14 1,2,3,7,8,9-HxCDF	5.78e4	1.27e5	1.24	NO	0.940	35.47	35.48	NO	1.000	1.001	48.468	96.9	NO
15	15 1,2,3,4,6,7,8-HpCDF	5.26e4	9.82e4	0.99	NO	1.05	37.12	37.11	NO	1.000	1.000	51.093	102	NO
16	16 1,2,3,4,7,8,9-HpCDF	4.33e4	8.27e4	1.02	NO	1.05	38.96	38.96	NO	1.000	1.000	50.113	100	NO
17	17 OCDF	7.36e4	1.94e5	0.85	NO	0.771	41.70	41.70	NO	1.000	1.000	98.409	98.4	NO
18	18 13C-2,3,7,8-TCDD	2.52e5	2.30e5	0.77	NO	1.10	26.66	26.67	NO	1.027	1.027	99.139	99.1	NO
19	19 13C-1,2,3,7,8-PeCDD	1.50e5	2.30e5	0.61	NO	0.864	31.03	31.12	NO	1.196	1.199	75.794	75.8	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.08e5	1.68e5	1.26	NO	0.746	34.48	34.49	NO	1.014	1.014	85.599	85.6	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.23e5	1.68e5	1.28	NO	0.847	34.59	34.61	NO	1.017	1.018	86.254	86.3	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.24e5	1.68e5	1.28	NO	0.868	34.89	34.91	NO	1.026	1.026	85.110	85.1	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	8.45e4	1.68e5	1.10	NO	0.664	38.24	38.29	NO	1.125	1.126	75.582	75.6	NO
24	24 13C-OCDD	1.48e5	1.68e5	0.88	NO	0.561	41.19	41.37	NO	1.211	1.217	156.52	78.3	NO
25	25 13C-2,3,7,8-TCDF	3.95e5	3.77e5	0.77	NO	1.09	26.05	26.05	NO	1.003	1.003	95.798	95.8	NO
26	26 13C-1,2,3,7,8-PeCDF	2.36e5	3.77e5	1.62	NO	0.809	29.76	29.93	NO	1.147	1.153	77.213	77.2	NO
27	27 13C-2,3,4,7,8-PeCDF	2.42e5	3.77e5	1.66	NO	0.803	30.73	30.94	NO	1.184	1.192	79.702	79.7	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.59e5	1.68e5	0.49	NO	1.01	33.55	33.54	NO	0.987	0.986	93.340	93.3	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.69e5	1.68e5	0.48	NO	1.07	33.68	33.68	NO	0.990	0.990	93.760	93.8	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.46e5	1.68e5	0.50	NO	0.910	34.37	34.38	NO	1.011	1.011	95.324	95.3	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.27e5	1.68e5	0.49	NO	0.828	35.44	35.46	NO	1.042	1.043	90.969	91.0	NO

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_1.qld

Last Altered: Wednesday, June 09, 2021 11:08:21 Pacific Daylight Time

Printed: Wednesday, June 09, 2021 11:09:10 Pacific Daylight Time

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_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	9.82e4	1.68e5	0.42	NO	0.661	37.05	37.10	NO	1.090	1.091	88.256	88.3	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.27e4	1.68e5	0.43	NO	0.566	38.81	38.95	NO	1.141	1.145	86.841	86.8	NO
34	34 13C-OCDF	1.94e5	1.68e5	0.88	NO	0.663	41.58	41.69	NO	1.223	1.226	173.78	86.9	NO
35	35 37Cl-2,3,7,8-TCDD	4.39e4	2.30e5			2.07	26.86	26.70	NO	1.035	1.028	9.2424	92.4	NO
36	36 13C-1,2,3,4-TCDD	2.30e5	2.30e5	0.78	NO	1.00	26.07	25.96	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	3.77e5	3.77e5	0.79	NO	1.00	24.76	24.61	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.68e5	1.68e5	0.50	NO	1.00	34.04	34.01	NO	1.000	1.000	100.00	100	YES

ok

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, June 09, 2021 11:09:31 Pacific Daylight Time

Printed: Wednesday, June 09, 2021 11:09:48 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

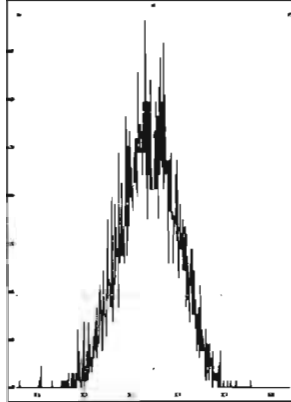
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210608R1_1	ST210608R1_1 1613 CS3 21C0105	08-Jun-21	10:11:31
2	210608R1_2	B1F0017-BS1 OPR 1	08-Jun-21	11:04:00
3	210608R1_3	SOLVENT BLANK	08-Jun-21	11:52:12
4	210608R1_4	B1F0018-BS1 OPR 10	08-Jun-21	12:37:08
5	210608R1_5	SOLVENT BLANK	08-Jun-21	13:21:25
6	210608R1_6	B1F0017-BLK1 Method Blank 1	08-Jun-21	14:07:20
7	210608R1_7	B1F0018-BLK1 Method Blank 10	08-Jun-21	14:52:21
8	210608R1_8	B1F0018-BLK1 Method Blank 10	08-Jun-21	15:39:32
9	210608R1_9	2105284-01 BLEACH PLANT EFFLUENT 1.02...	08-Jun-21	16:26:38

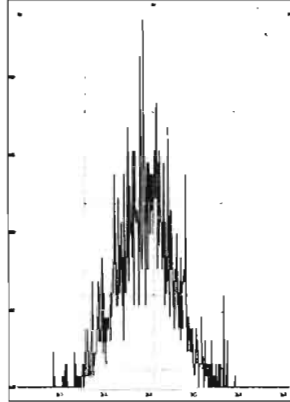
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, June 08, 2021 10:06:57 Pacific Daylight Time

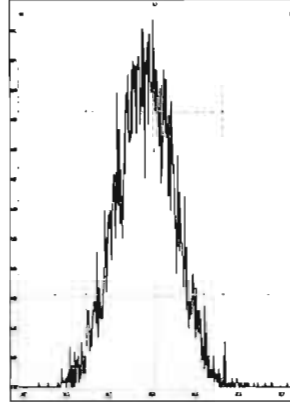
M 292.9824 R 11159



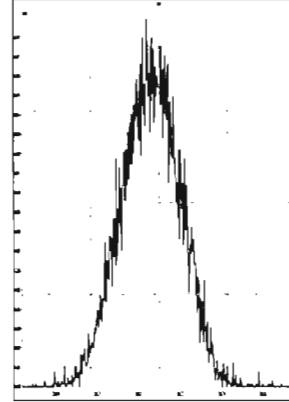
M 304.9824 R 10369



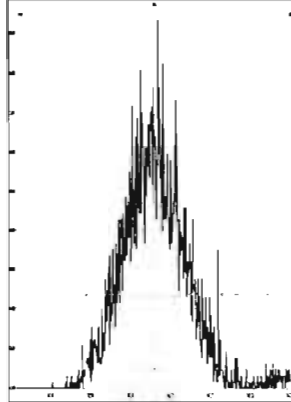
M 318.9792 R 11260



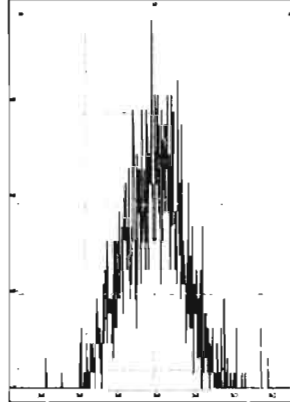
M 330.9792 R 10370



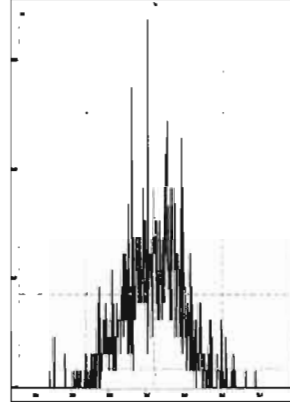
M 342.9792 R 10916



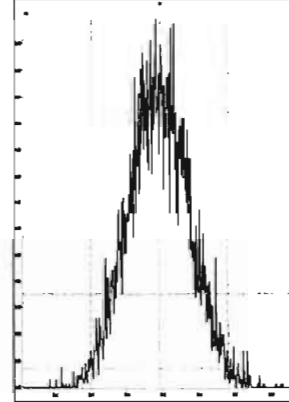
M 354.9792 R 10871



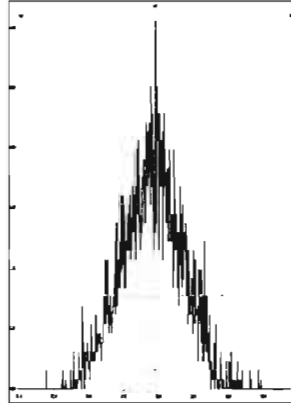
M 366.9792 R 12500



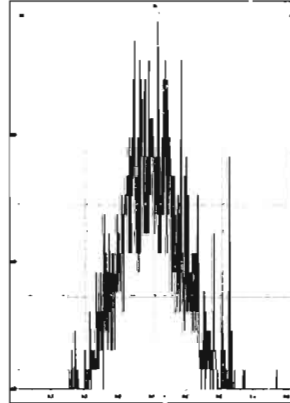
M 380.9760 R 10867



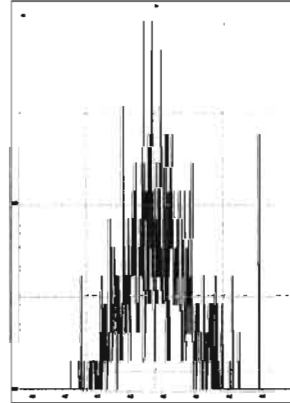
M 392.9760 R 10870



M 404.9760 R 12017



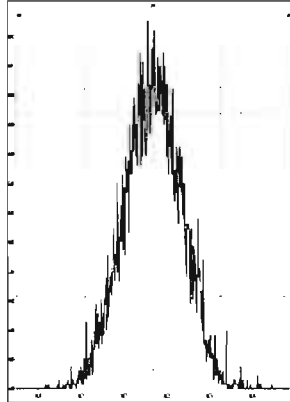
M 416.9760 R 12821



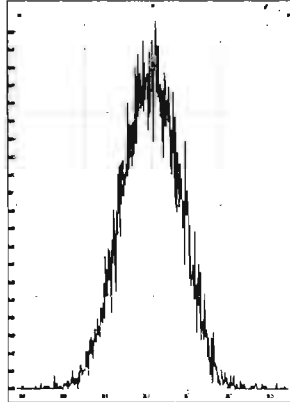
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, June 08, 2021 10:07:50 Pacific Daylight Time

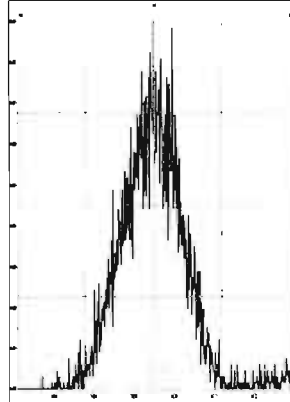
M 318.9792 R 10774



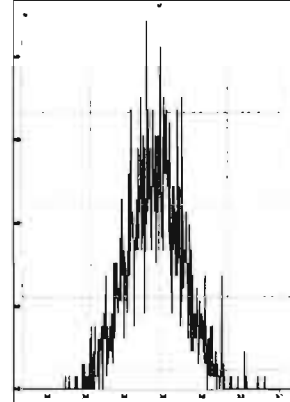
M 330.9792 R 10461



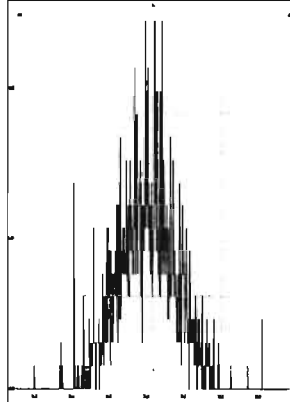
M 342.9792 R 11414



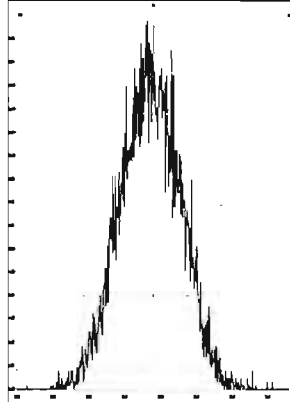
M 354.9792 R 11417



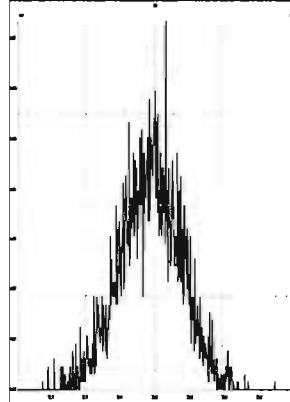
M 366.9792 R 14123



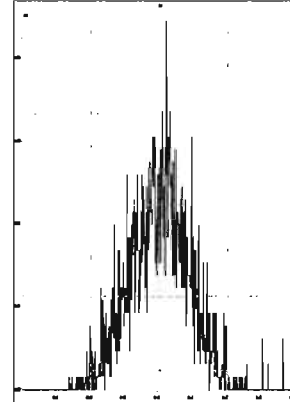
M 380.9760 R 10414



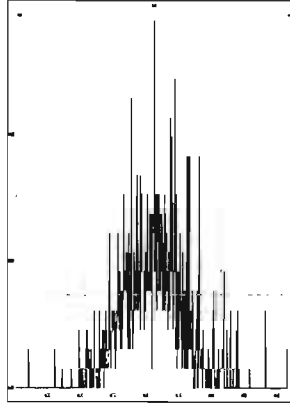
M 392.9760 R 11160



M 404.9760 R 11846



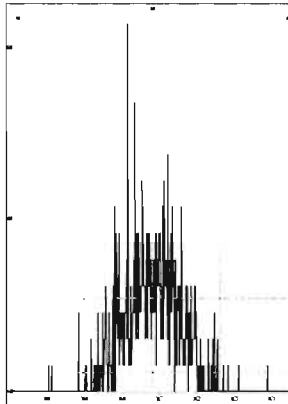
M 416.9760 R 14286



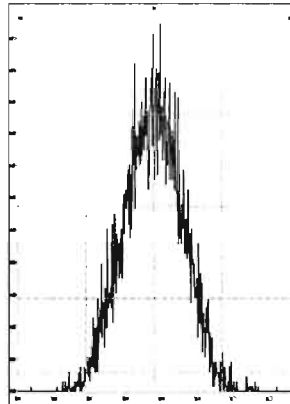
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, June 08, 2021 10:08:39 Pacific Daylight Time

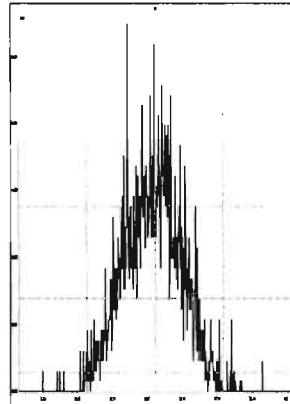
M 366.9792 R 12949



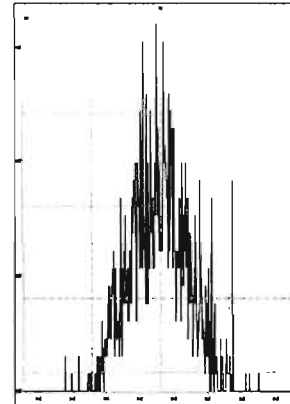
M 380.9760 R 11160



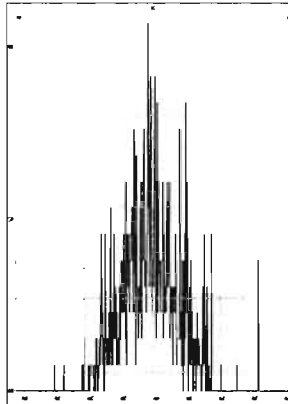
M 392.9760 R 11902



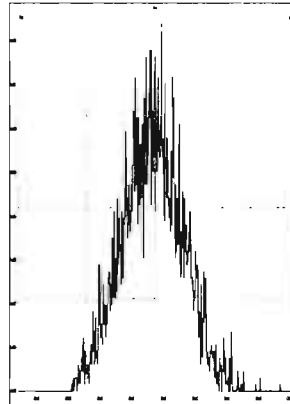
M 404.9760 R 12562



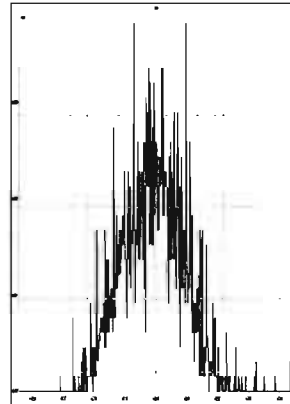
M 416.9760 R 17479



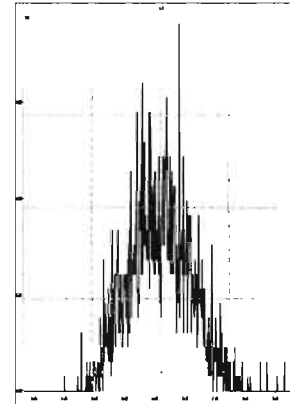
M 430.9728 R 10776



M 442.9728 R 11790



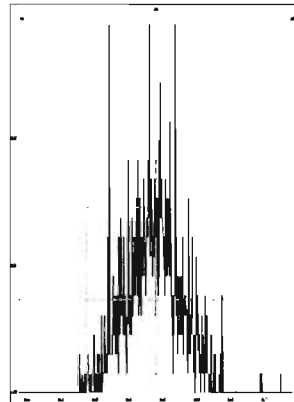
M 454.9728 R 11161



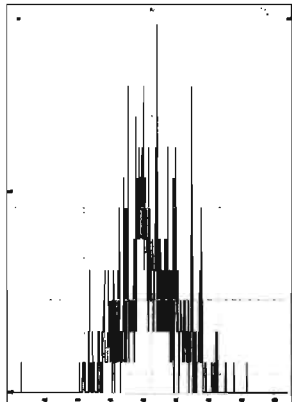
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, June 08, 2021 10:09:22 Pacific Daylight Time

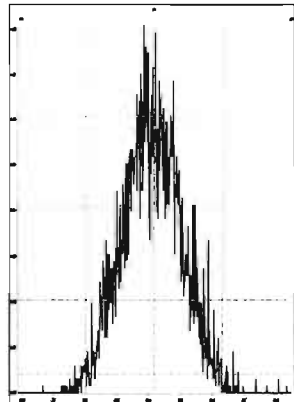
M 404.9760 R 11962



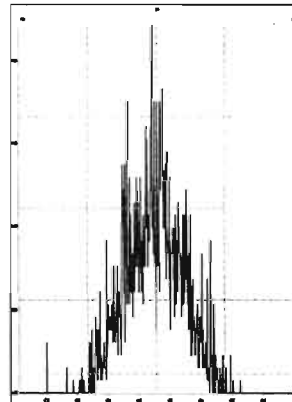
M 416.9760 R 14796



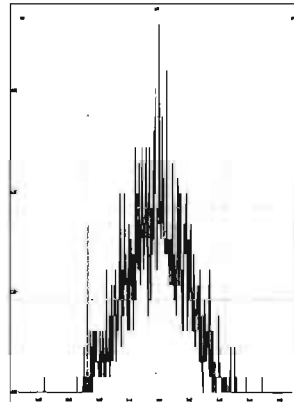
M 430.9728 R 11010



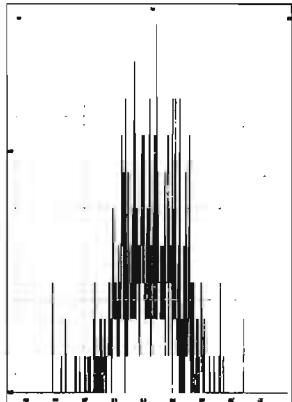
M 442.9728 R 12253



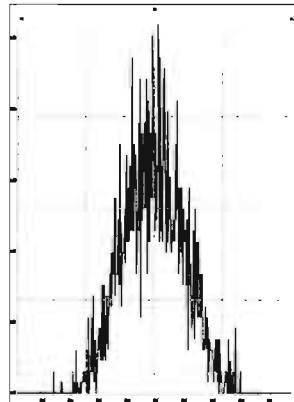
M 454.9728 R 12434



M 466.9728 R 13660



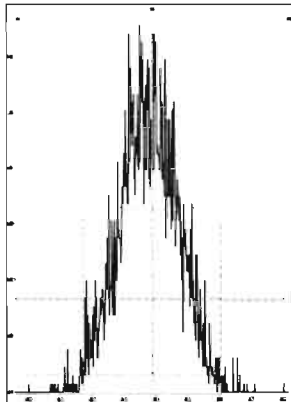
M 480.9696 R 11212



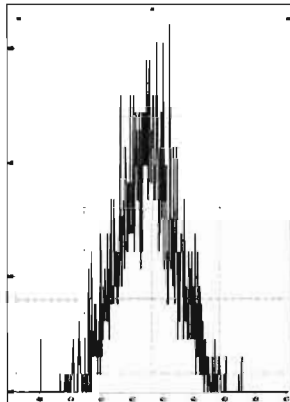
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, June 08, 2021 10:10:01 Pacific Daylight Time

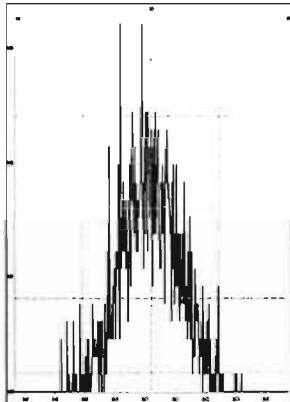
M 430.9728 R 10916



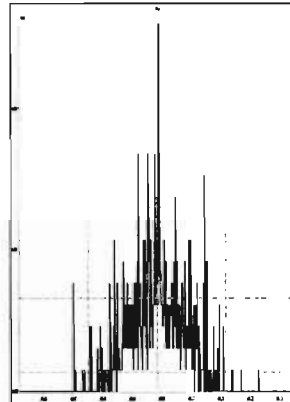
M 442.9728 R 11522



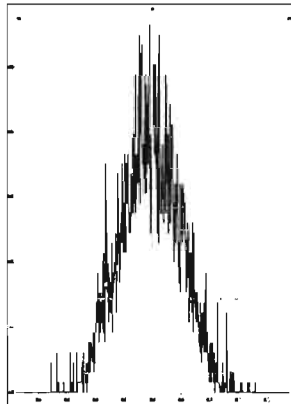
M 454.9728 R 11574



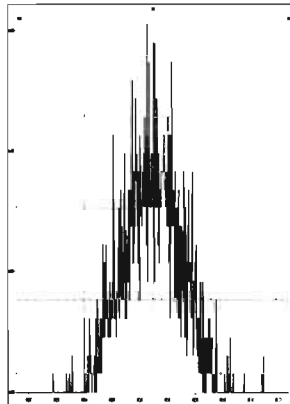
M 466.9728 R 12818



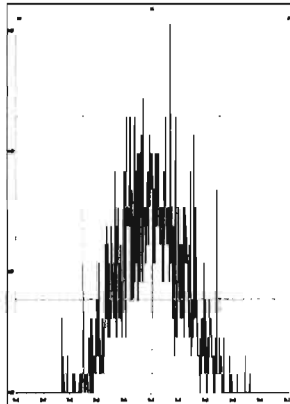
M 480.9696 R 11211



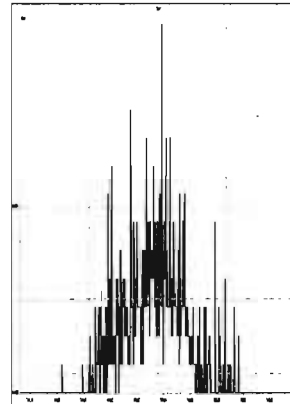
M 492.9696 R 12885



M 504.9696 R 10549



M 516.9697 R 13735



Vista Analytical Laboratory VG-11

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_CPSM.qld

Last Altered: Wednesday, June 09, 2021 11:02:19 Pacific Daylight Time

Printed: Wednesday, June 09, 2021 11:02:44 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 18 May 2021 09:49:43

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.22
2	2 1,2,8,9-TCDD (Last)	27.52
3	3 1,2,4,7,9-PeCDD (First)	28.95
4	4 1,2,3,8,9-PeCDD (Last)	31.48
5	5 1,2,4,6,7,9-HxCDD (First)	32.77
6	6 1,2,3,7,8,9-HxCDD (Last)	34.92
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.42
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.30
9	9 1,3,6,8-TCDF (First)	21.06
10	10 1,2,8,9-TCDF (Last)	27.86
11	11 1,3,4,6,8-PeCDF (First)	27.39
12	12 1,2,3,8,9-PeCDF (Last)	31.86
13	13 1,2,3,4,6,8-HxCDF (First)	32.23
14	14 1,2,3,7,8,9-HxCDF (Last)	35.48
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

Vista Analytical Laboratory VG-11

Dataset: U:\VG12.PRO\Results\210608R1\210608R1_CPSM.qld

Last Altered: Wednesday, June 09, 2021 11:02:19 Pacific Daylight Time

Printed: Wednesday, June 09, 2021 11:02:44 Pacific Daylight Time

06/09/21
FIN-06/09/21

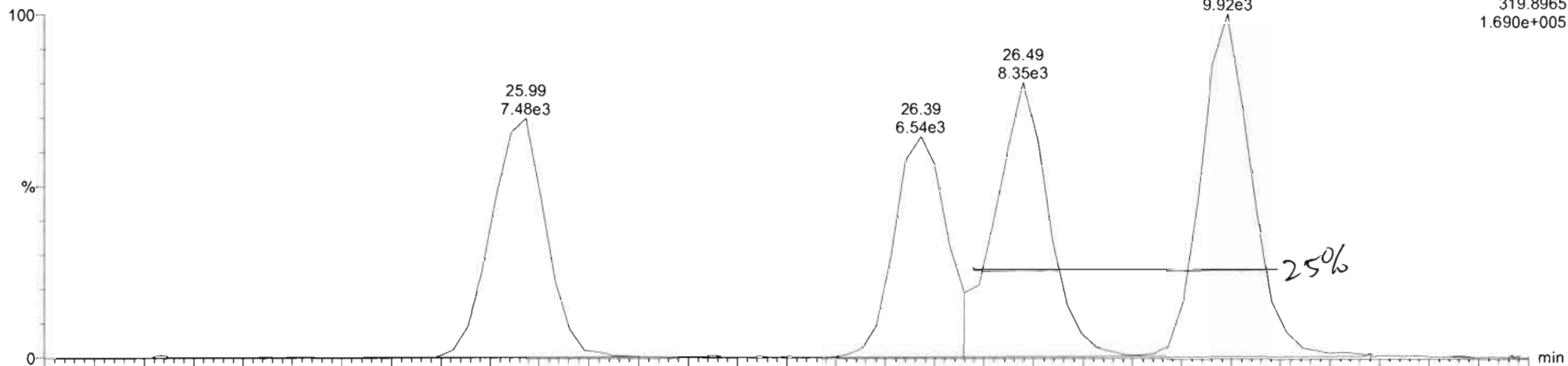
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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

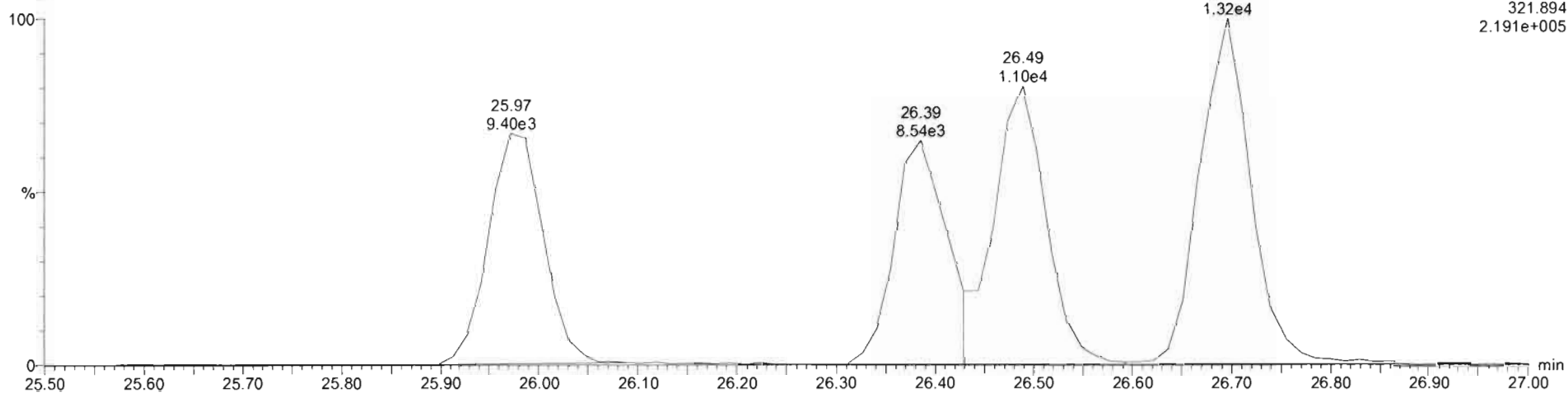
Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210608R1_1



210608R1_1



Dataset: U:\VG12.PRO\Results\210608R1\210608R1_CPSM.qld

Last Altered: Wednesday, June 09, 2021 11:02:19 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:02:44 Pacific Daylight Time

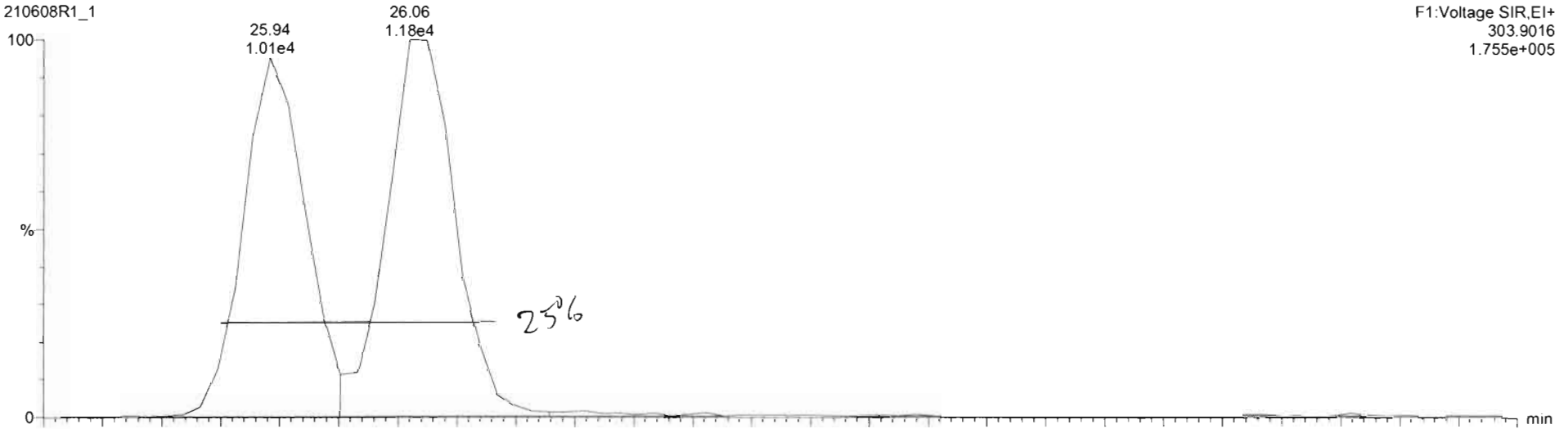
LIN 06/09/21

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)

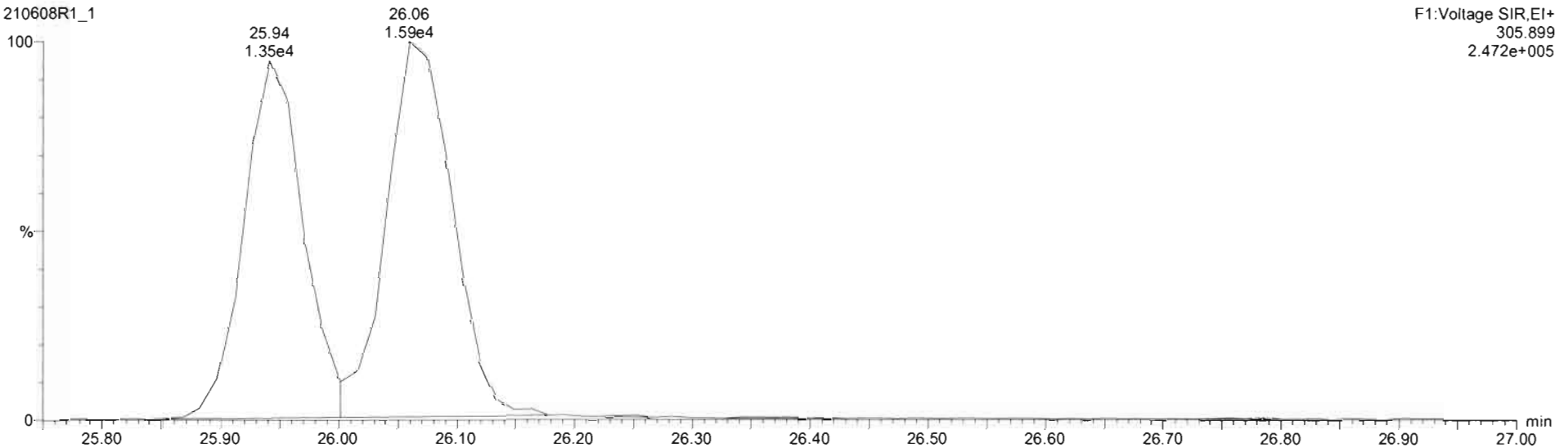
210608R1_1

F1:Voltage SIR,EI+
303.9016
1.755e+005



210608R1_1

F1:Voltage SIR,EI+
305.899
2.472e+005



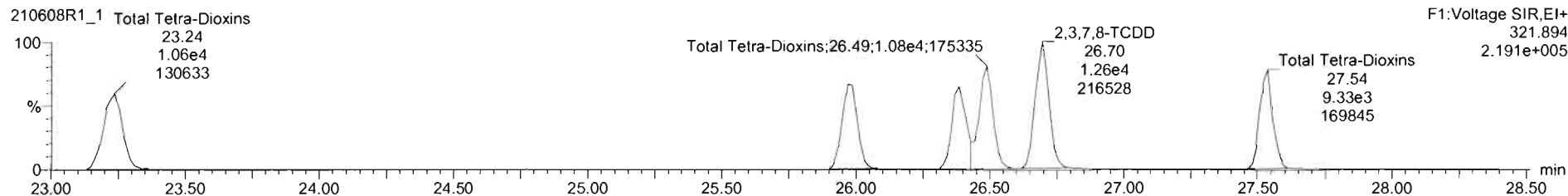
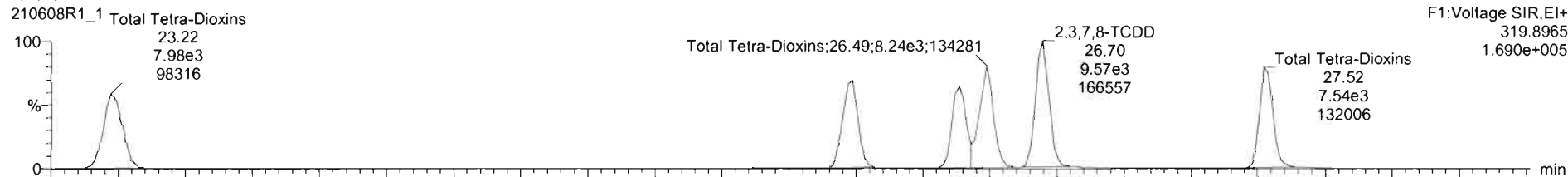
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Last Altered: Wednesday, June 09, 2021 11:01:51 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

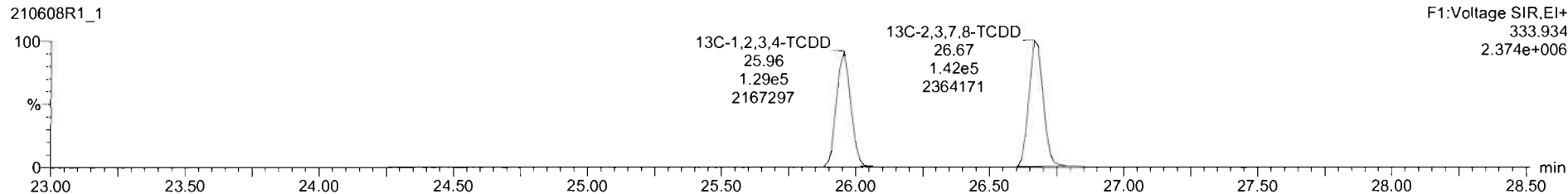
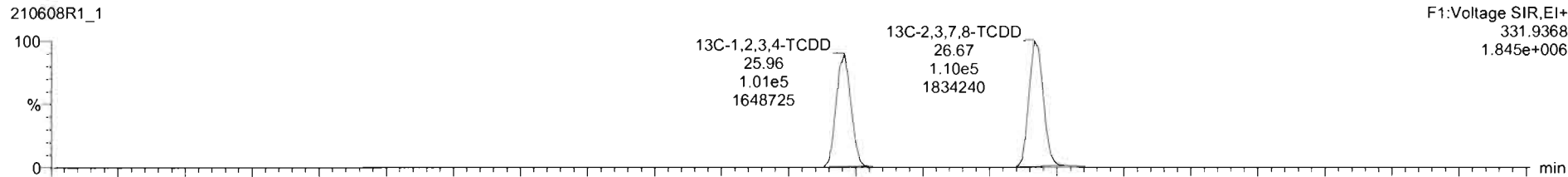
Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

2,3,7,8-TCDD



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



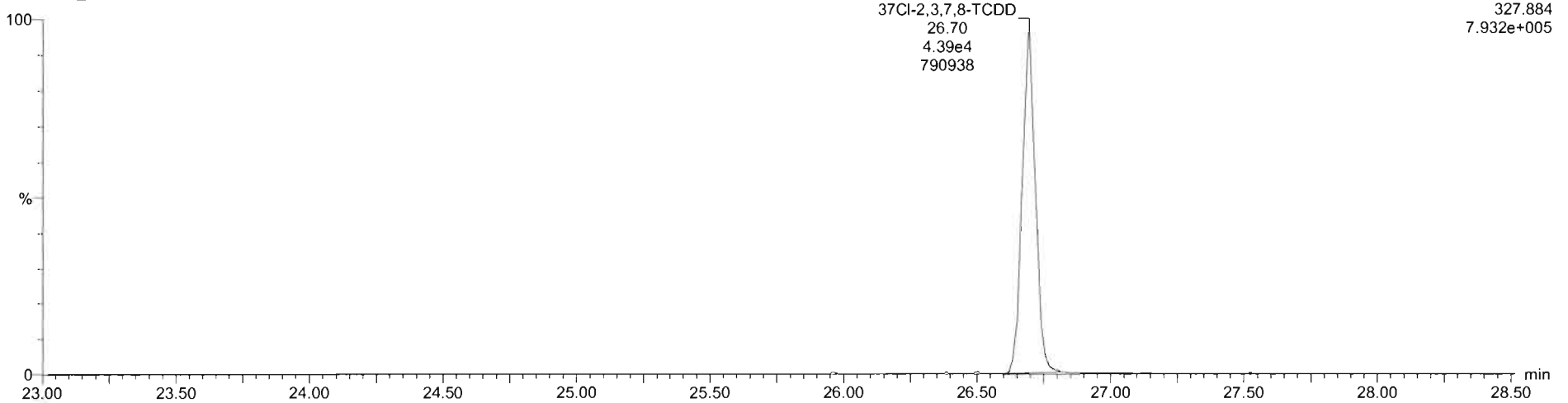
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Last Altered: Wednesday, June 09, 2021 11:01:51 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

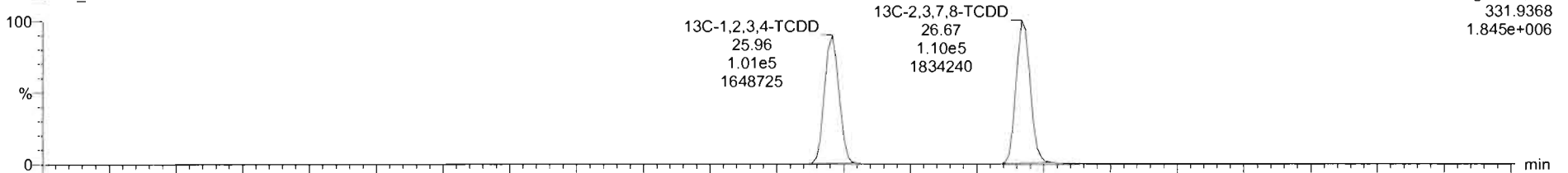
37Cl-2,3,7,8-TCDD

210608R1_1

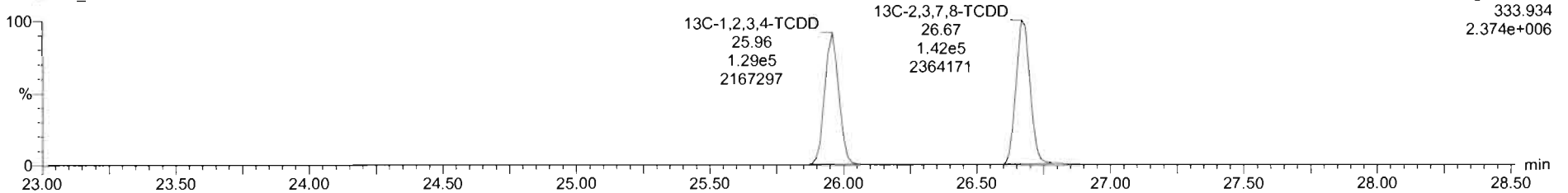


13C-1,2,3,4-TCDD

210608R1_1



210608R1_1



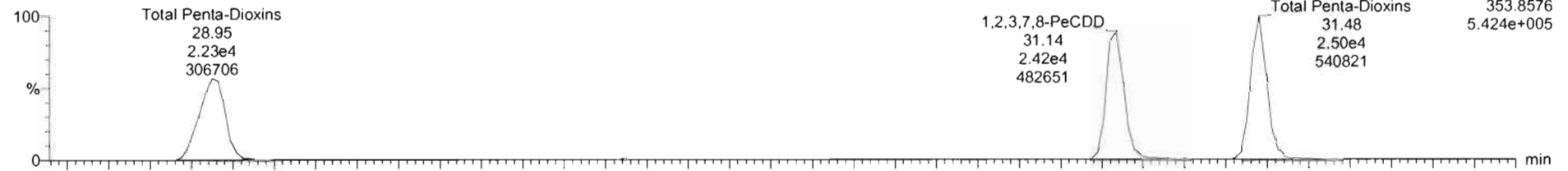
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Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

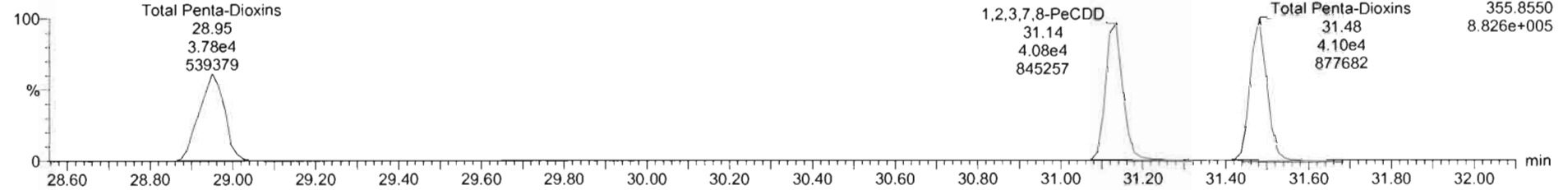
Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,2,3,7,8-PeCDD

210608R1_1

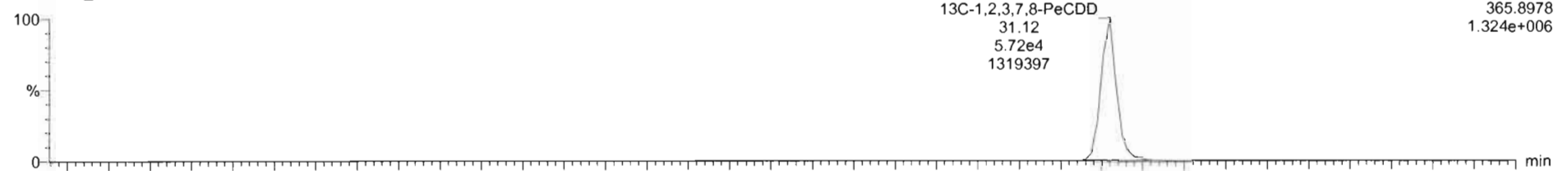


210608R1_1

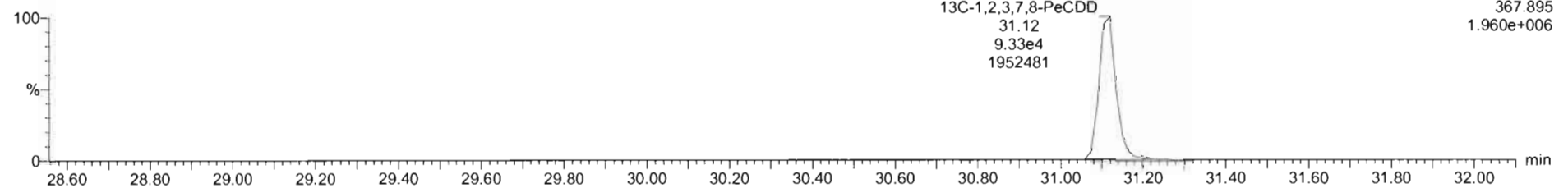


13C-1,2,3,7,8-PeCDD

210608R1_1



210608R1_1

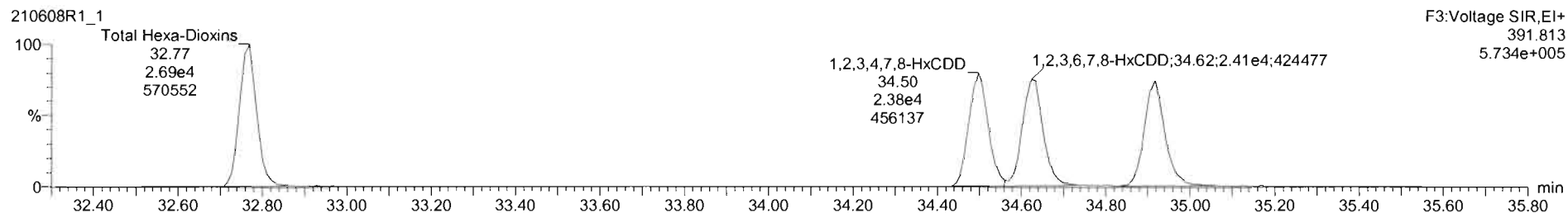
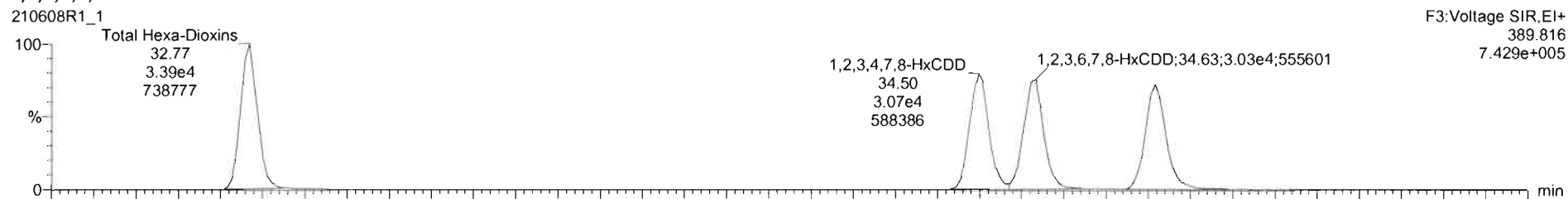


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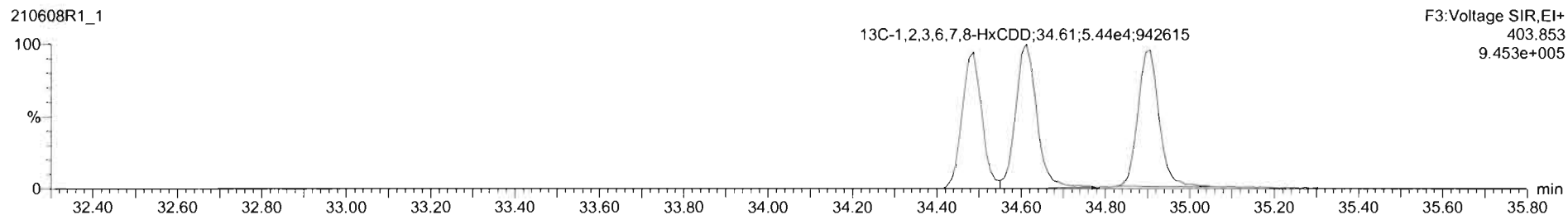
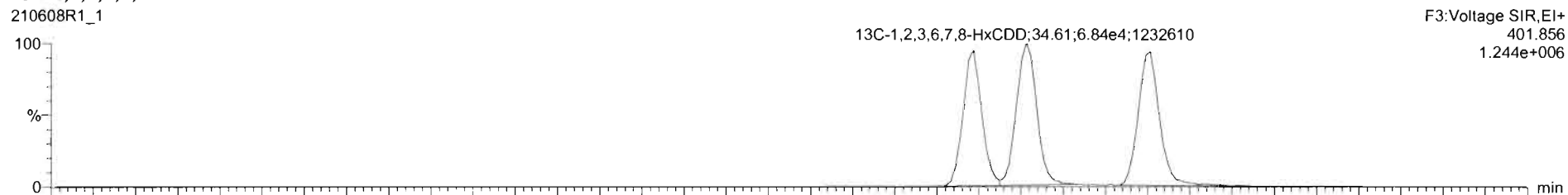
Last Altered: Wednesday, June 09, 2021 11:01:51 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

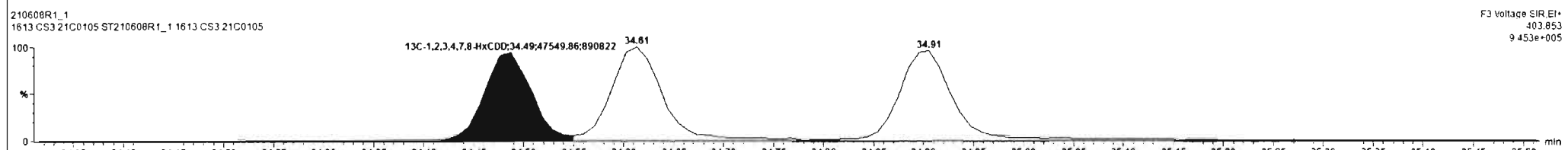
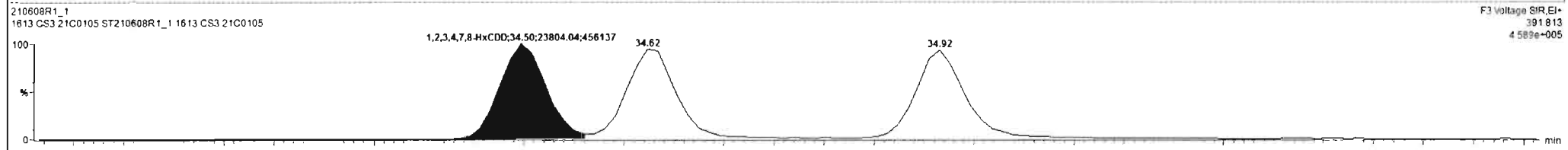
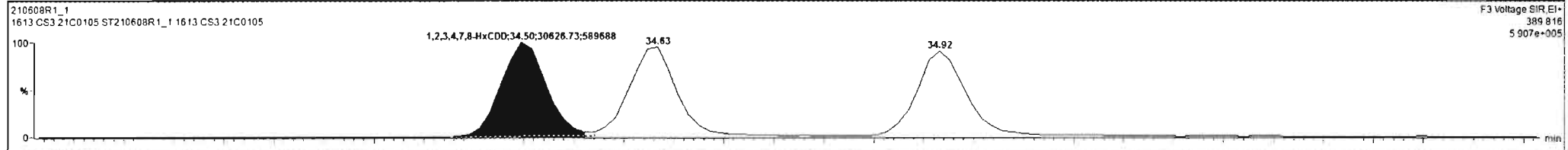


13C-1,2,3,4,7,8-HxCDD

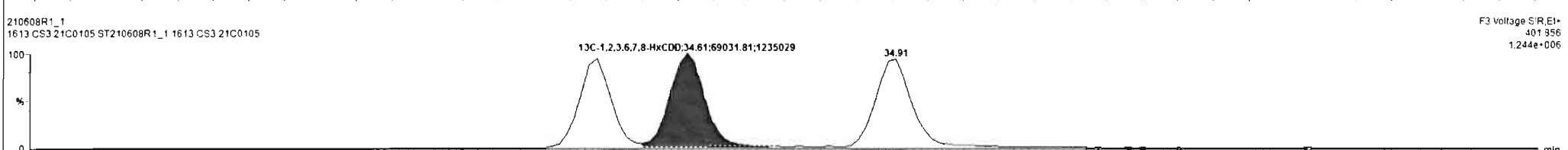
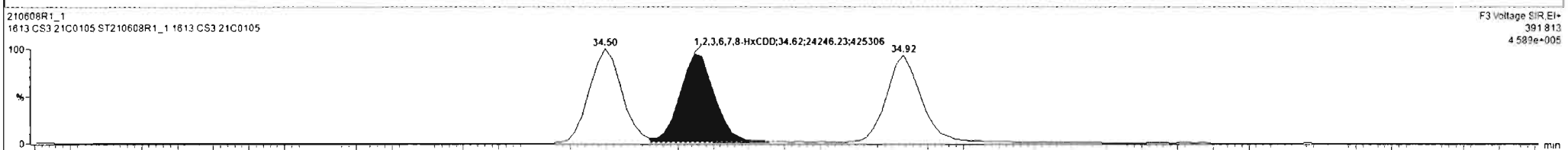
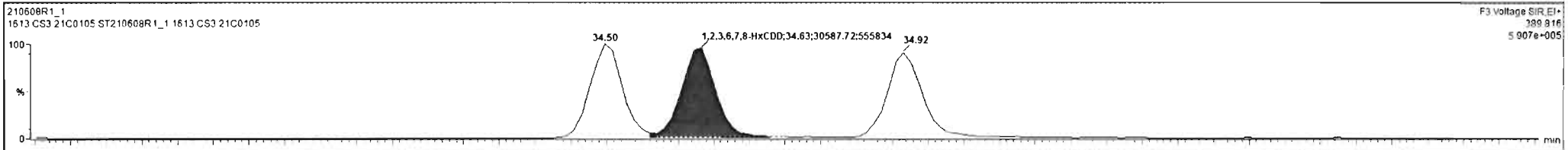


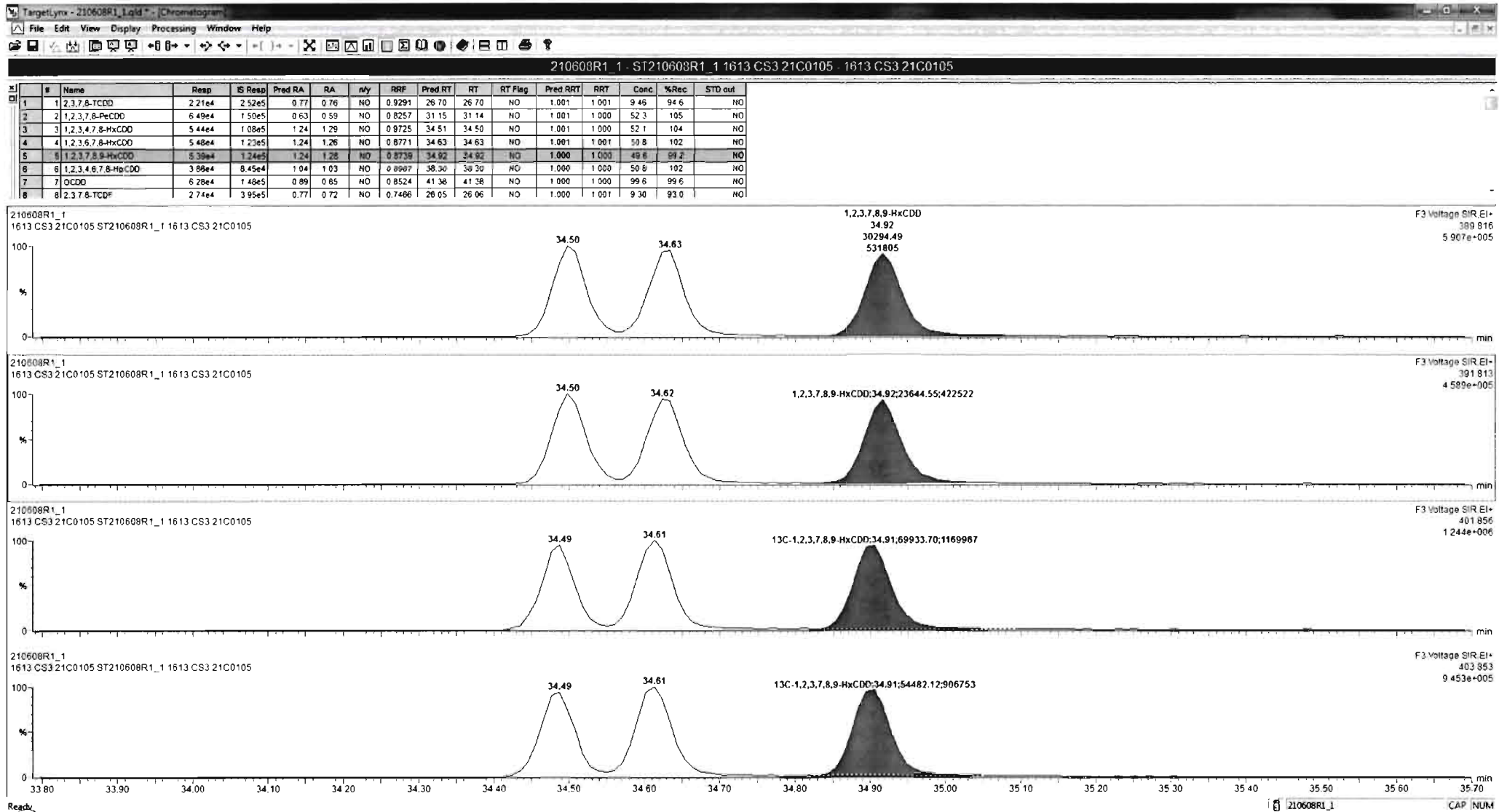
210608R1_1 - ST210608R1_1 1613 CS3 21C0105 - 1613 CS3 21C0105

#	Name	Reop	IS Reop	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	2.21e4	2.52e5	0.77	0.76	NO	0.9291	26.70	26.70	NO	1.001	1.001	9.46	94.6	NO
2	1,2,3,7,8-PeCDD	6.49e4	1.50e5	0.63	0.59	NO	0.8257	31.15	31.14	NO	1.001	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	5.44e4	1.08e5	1.24	1.29	NO	0.9725	34.51	34.50	NO	1.001	1.000	52.1	104	NO
4	1,2,3,6,7,8-HxCDD	5.44e4	1.23e5	1.24	1.26	NO	0.8771	34.63	34.63	NO	1.001	1.001	50.4	101	NO
5	1,2,3,7,8,9-HxCDD	5.39e4	1.24e5	1.24	1.28	NO	0.8739	34.92	34.92	NO	1.000	1.000	49.6	99.2	NO
6	1,2,3,4,6,7,8-HpCDD	3.86e4	8.45e4	1.04	1.03	NO	0.8987	38.30	38.30	NO	1.000	1.000	50.8	102	NO
7	OCDD	6.28e4	1.48e5	0.89	0.85	NO	0.8524	41.38	41.38	NO	1.000	1.000	99.6	99.6	NO
8	1,2,3,7,8-TCDF	2.74e4	3.95e5	0.77	0.72	NO	0.7466	26.05	26.06	NO	1.000	1.001	9.30	93.0	NO



#	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	2.21e4	2.52e5	0.77	0.76	NO	0.9291	26.70	26.70	NO	1.001	1.001	9.46	94.6	NO
2	1,2,3,7,8-PeCDD	6.49e4	1.50e5	0.63	0.59	NO	0.8257	31.15	31.14	NO	1.001	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	5.44e4	1.08e5	1.24	1.29	NO	0.9725	34.51	34.50	NO	1.001	1.000	52.1	104	NO
4	1,2,3,6,7,8-HxCDD	5.48e4	1.23e5	1.24	1.26	NO	0.8771	34.63	34.63	NO	1.001	1.001	50.8	102	NO
5	1,2,3,7,8,9-HxCDD	5.39e4	1.24e5	1.24	1.28	NO	0.8739	34.92	34.92	NO	1.000	1.000	49.6	99.2	NO
6	1,2,3,4,6,7,8-HpCDD	3.86e4	8.45e4	1.04	1.03	NO	0.8987	38.30	38.30	NO	1.000	1.000	50.8	102	NO
7	OCDD	6.28e4	1.48e5	0.89	0.85	NO	0.8524	41.38	41.38	NO	1.000	1.000	99.6	99.6	NO
8	1,2,3,7,8-TCDF	2.74e4	3.95e5	0.77	0.72	NO	0.7466	26.05	26.06	NO	1.000	1.001	9.30	93.0	NO





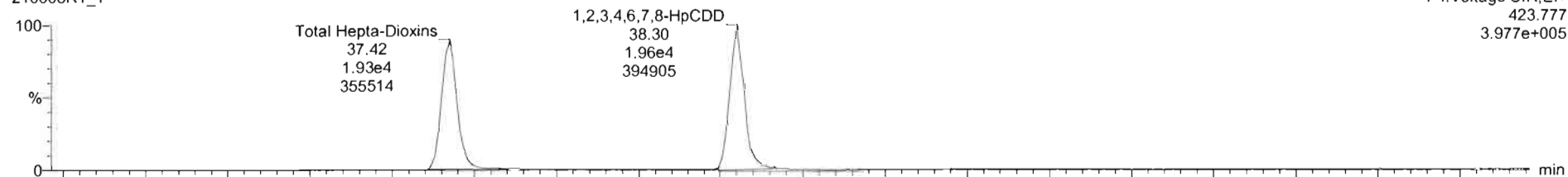
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Last Altered: Wednesday, June 09, 2021 11:01:51 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

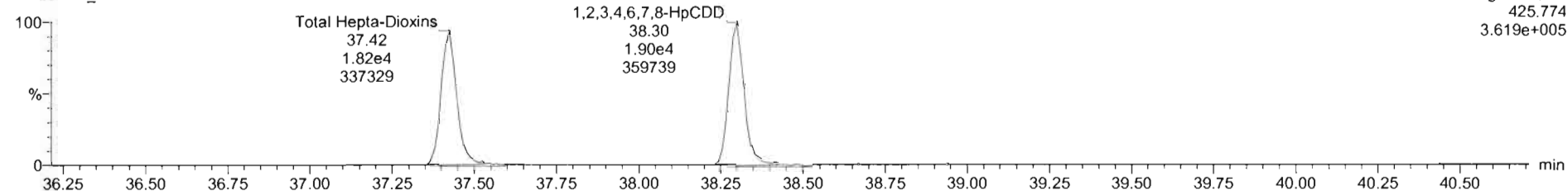
1,2,3,4,6,7,8-HpCDD

210608R1_1



F4:Voltage SIR,EI+
423.777
3.977e+005

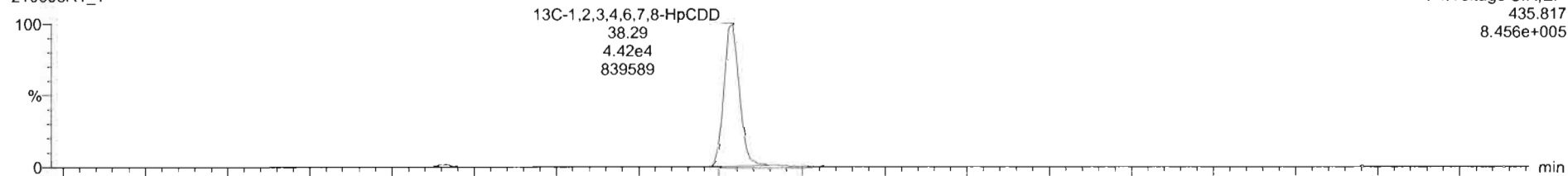
210608R1_1



F4:Voltage SIR,EI+
425.774
3.619e+005

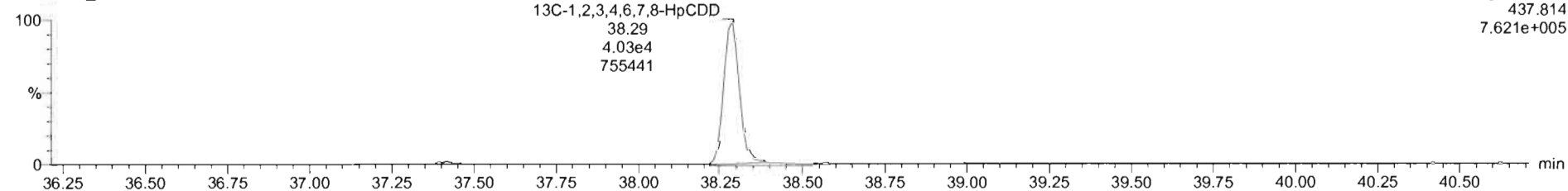
13C-1,2,3,4,6,7,8-HpCDD

210608R1_1



F4:Voltage SIR,EI+
435.817
8.456e+005

210608R1_1

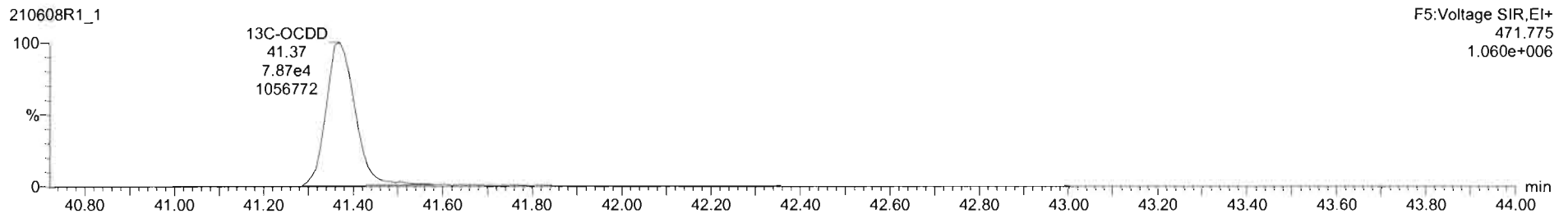
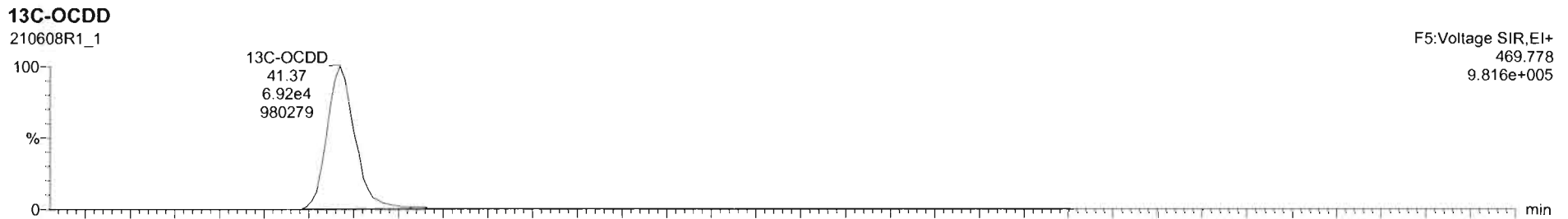
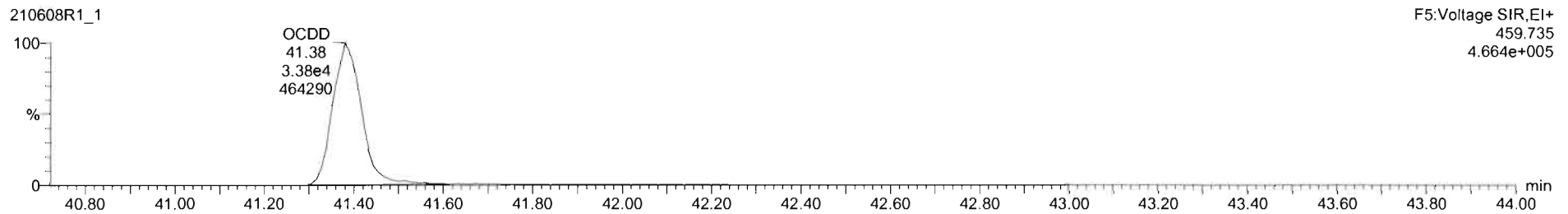
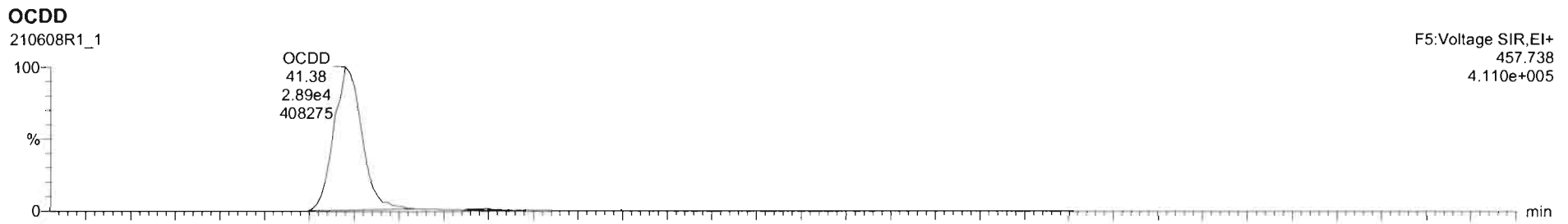


F4:Voltage SIR,EI+
437.814
7.621e+005

Dataset: Untitled

Last Altered: Wednesday, June 09, 2021 11:01:51 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

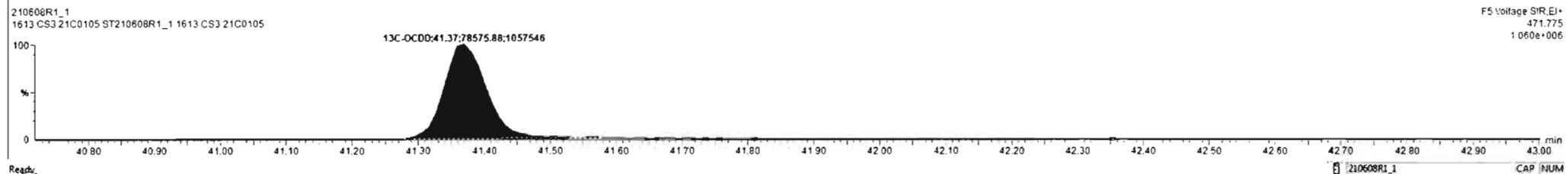
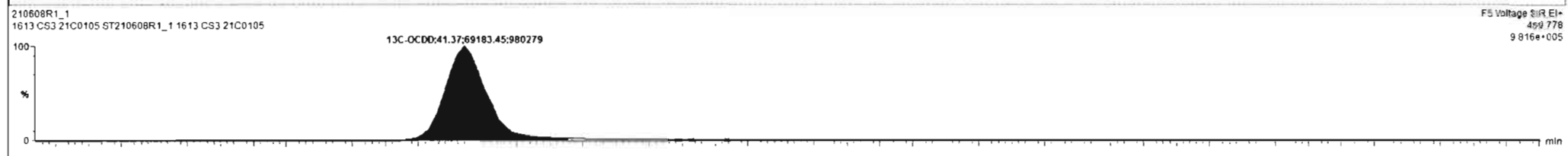
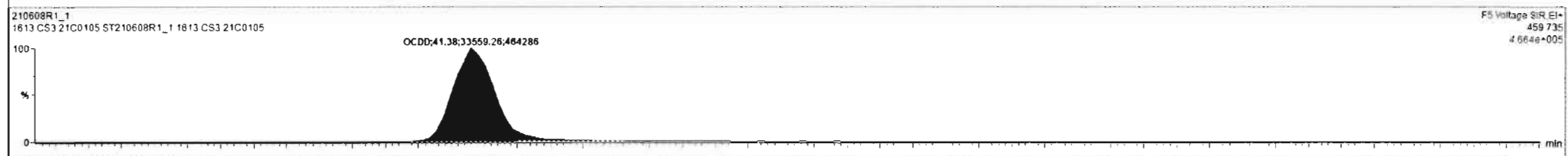
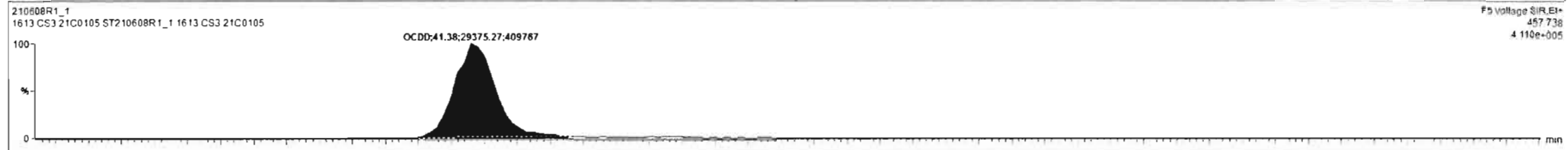


TargetLynx - 210608R1_1.qld - Chromatogram

File Edit View Display Processing Window Help

210608R1_1 - ST210608R1_1 1613 CS3 21C0105 - 1613 CS3 21C0105

#	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	2.21e4	2.52e5	0.77	0.76	NO	0.9291	26.70	26.70	NO	1.001	1.001	9.46	94.6	NO
2	1,2,3,7,8-PeCDD	6.49e4	1.50e5	0.63	0.59	NO	0.8257	31.15	31.14	NO	1.001	1.000	52.3	105	NO
3	1,2,3,4,7,8-HxCDD	5.44e4	1.08e5	1.24	1.29	NO	0.9725	34.51	34.50	NO	1.001	1.000	52.1	104	NO
4	1,2,3,6,7,8-HxCDD	5.48e4	1.23e5	1.24	1.26	NO	0.8771	34.63	34.63	NO	1.001	1.001	50.8	102	NO
5	1,2,3,7,8,9-HxCDD	5.39e4	1.24e5	1.24	1.28	NO	0.8739	34.92	34.92	NO	1.000	1.000	49.8	99.2	NO
6	1,2,3,4,6,7,8-HpCDD	3.88e4	8.45e4	1.04	1.03	NO	0.8987	36.30	36.30	NO	1.000	1.000	50.8	102	NO
7	OCDD	6.29e4	1.45e5	0.89	0.88	NO	0.8524	41.38	41.38	NO	1.000	1.000	99.9	99.9	NO
8	8,12,3,7,8-TCDF	2.74e4	3.95e5	0.77	0.72	NO	0.7466	26.05	26.06	NO	1.000	1.001	9.30	93.0	NO



Regdy 210608R1_1 CAP INUM

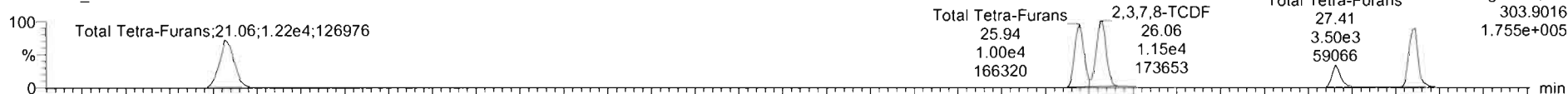
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Last Altered: Wednesday, June 09, 2021 11:01:51 Pacific Daylight Time
Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

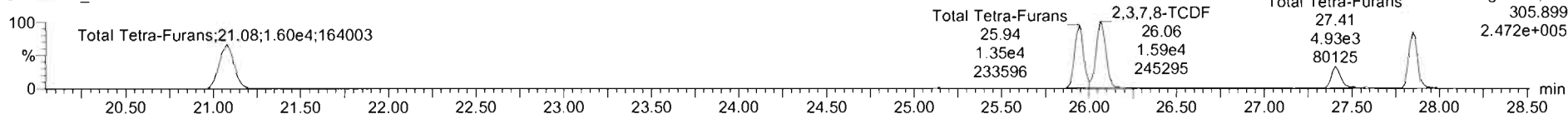
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2,3,7,8-TCDF

210608R1_1

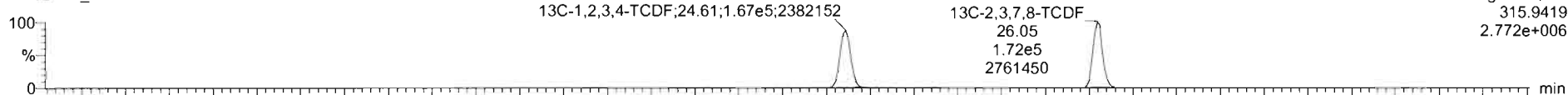


210608R1_1

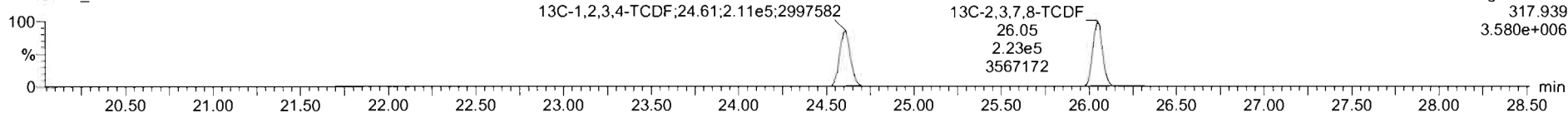


13C-2,3,7,8-TCDF

210608R1_1

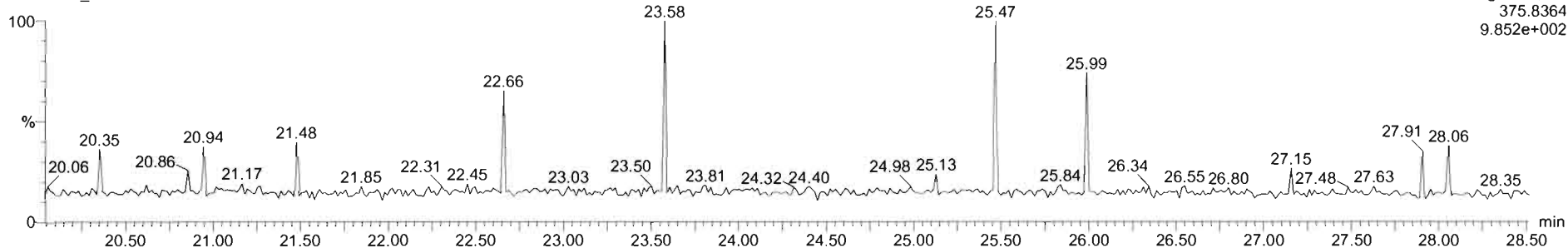


210608R1_1



DPE1

210608R1_1



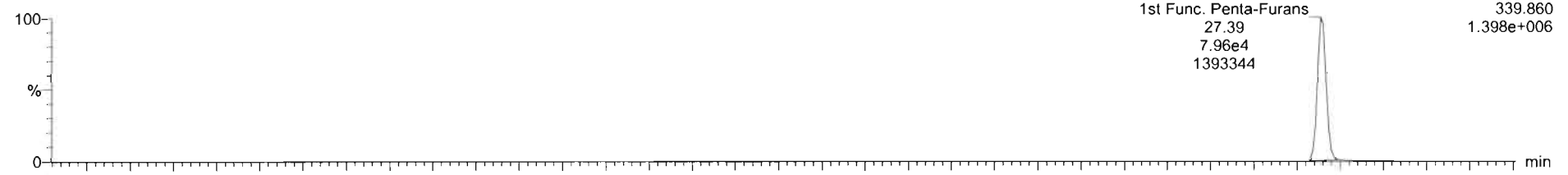
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Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

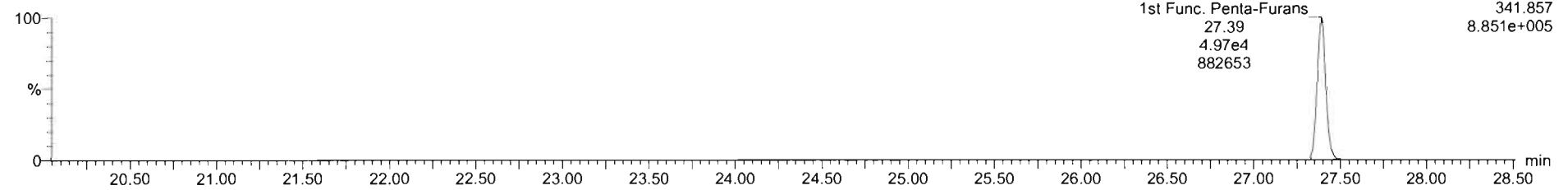
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210608R1_1

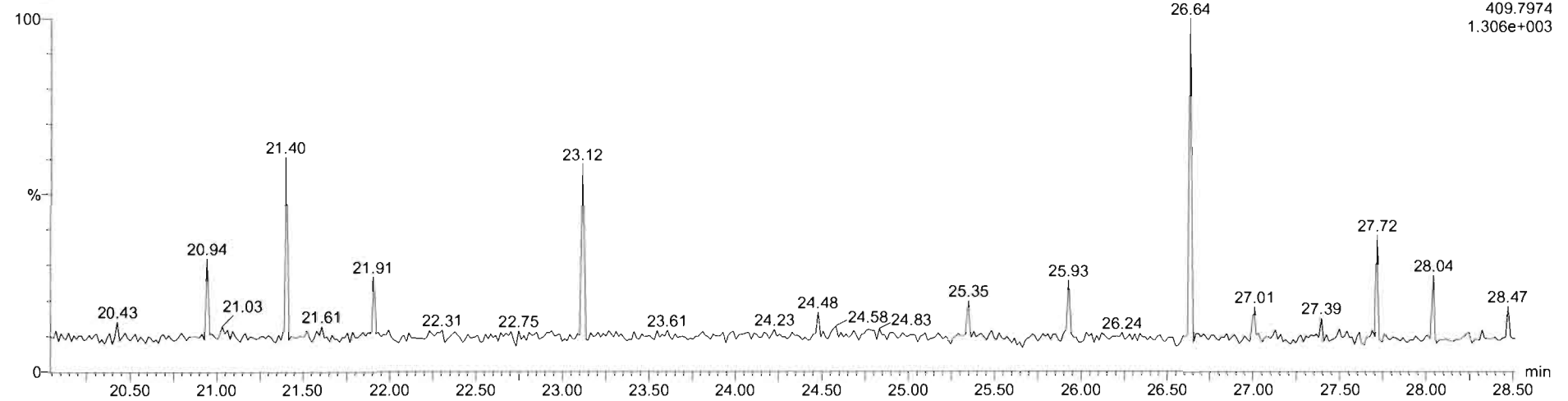


210608R1_1



DPE6

210608R1_1



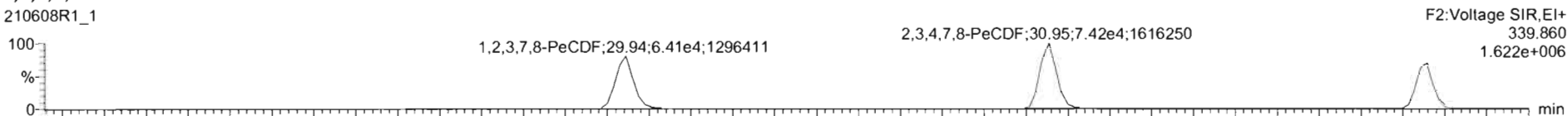
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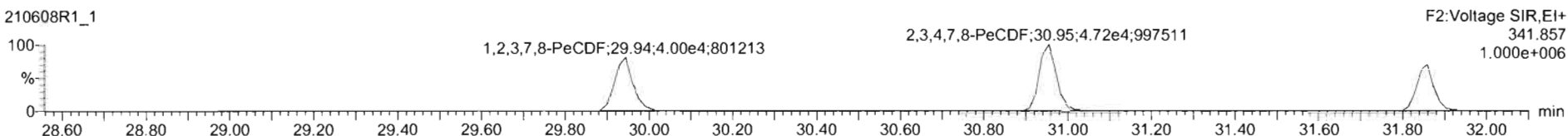
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1,2,3,7,8-PeCDF

210608R1_1

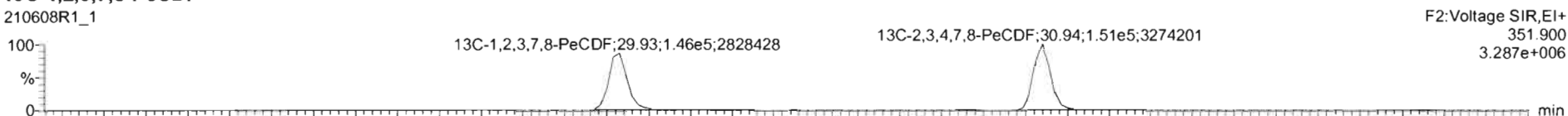


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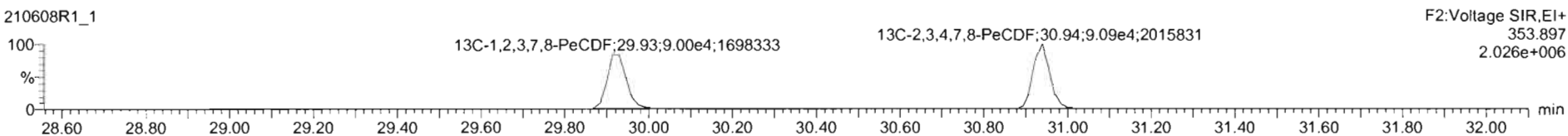


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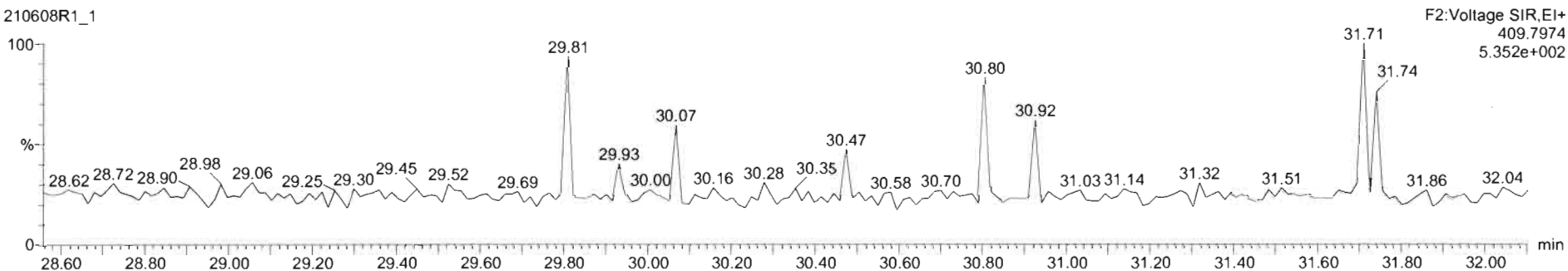


210608R1_1



DPE2

210608R1_1



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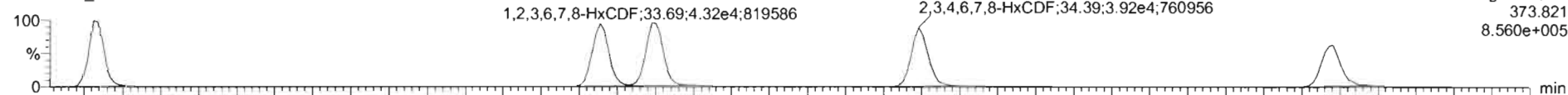
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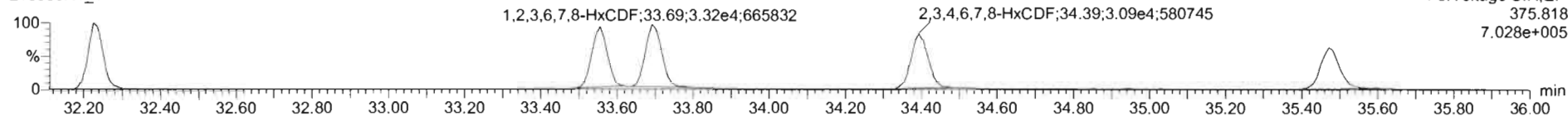
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1,2,3,4,7,8-HxCDF

210608R1_1

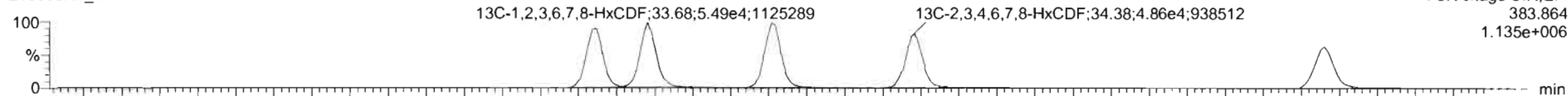


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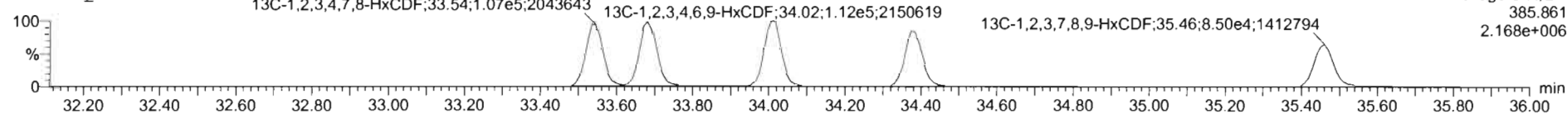


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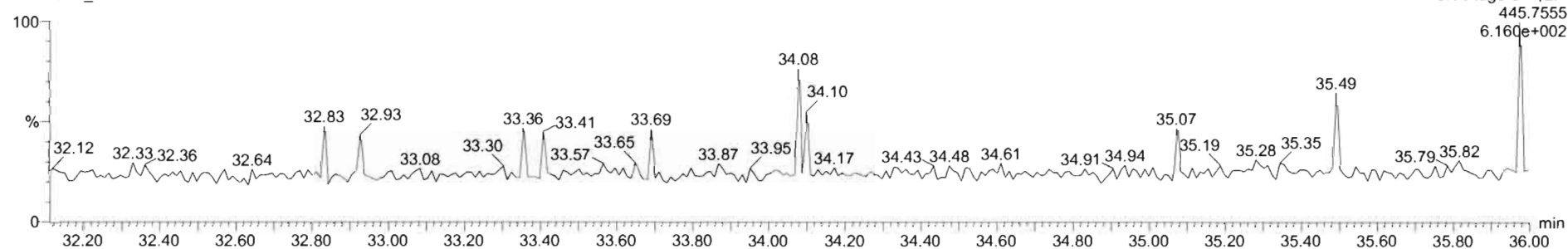


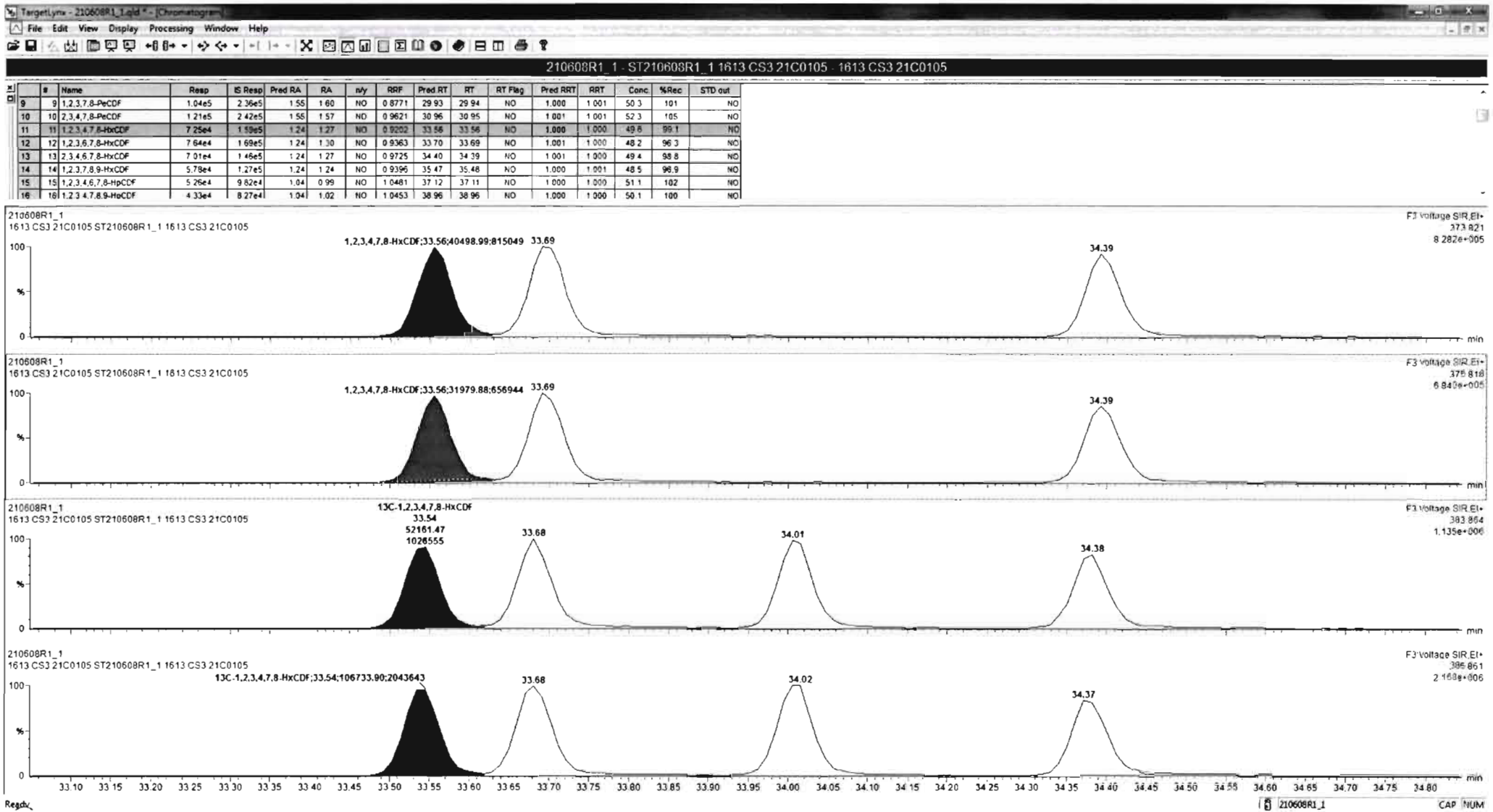
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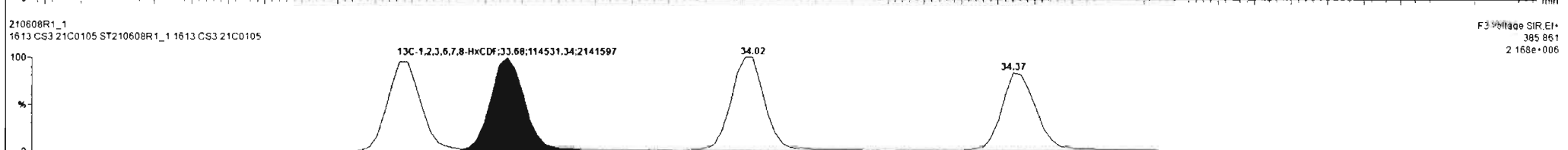
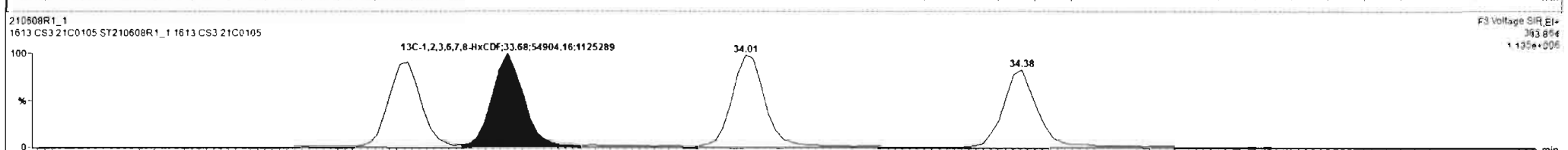
DPE3

210608R1_1





#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
9	1,2,3,7,8-PeCDF	1.04e5	2.36e5	1.55	1.60	NO	0.8771	29.93	29.94	NO	1.000	1.001	50.3	101	NO
10	2,3,4,7,8-PeCDF	1.21e5	2.42e5	1.55	1.57	NO	0.9621	30.96	30.95	NO	1.001	1.001	52.3	105	NO
11	1,2,3,4,7,8-HxCDF	7.25e4	1.59e5	1.24	1.27	NO	0.9202	33.56	33.56	NO	1.000	1.000	49.6	99.1	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.69e5	1.24	1.26	NO	0.9363	33.70	33.69	NO	1.001	1.000	48.5	97.8	NO
13	2,3,4,6,7,8-HxCDF	7.01e4	1.48e5	1.24	1.27	NO	0.9725	34.40	34.39	NO	1.001	1.000	49.4	98.8	NO
14	1,2,3,7,8,9-HxCDF	5.78e4	1.27e5	1.24	1.24	NO	0.9396	35.47	35.48	NO	1.000	1.001	48.5	96.9	NO
15	1,2,3,4,6,7,8-HpCDF	5.26e4	9.82e4	1.04	0.99	NO	1.0481	37.12	37.11	NO	1.000	1.000	51.1	102	NO
16	1,2,3,4,7,8,9-HxCDF	4.33e4	8.27e4	1.04	1.02	NO	1.0453	38.96	38.96	NO	1.000	1.000	50.1	100	NO

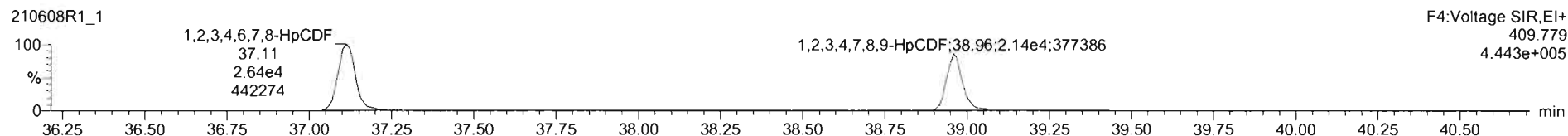
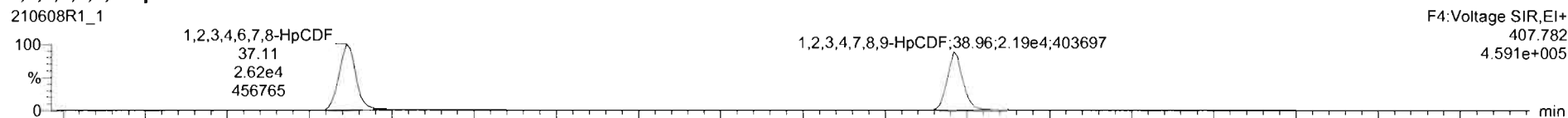


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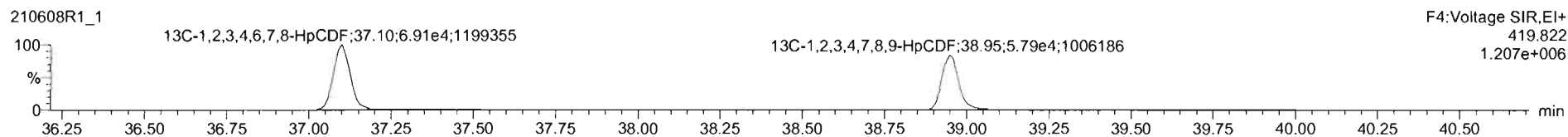
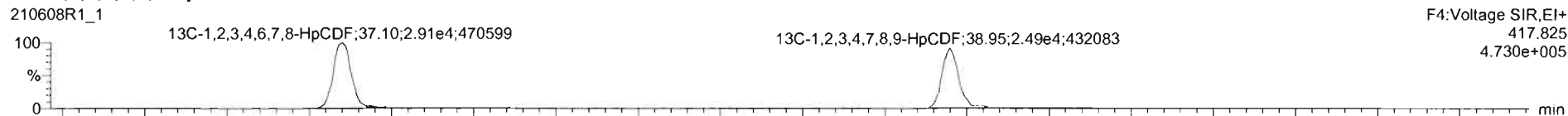
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Printed: Wednesday, June 09, 2021 11:02:10 Pacific Daylight Time

Name: 210608R1_1, Date: 08-Jun-2021, Time: 10:11:31, ID: ST210608R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

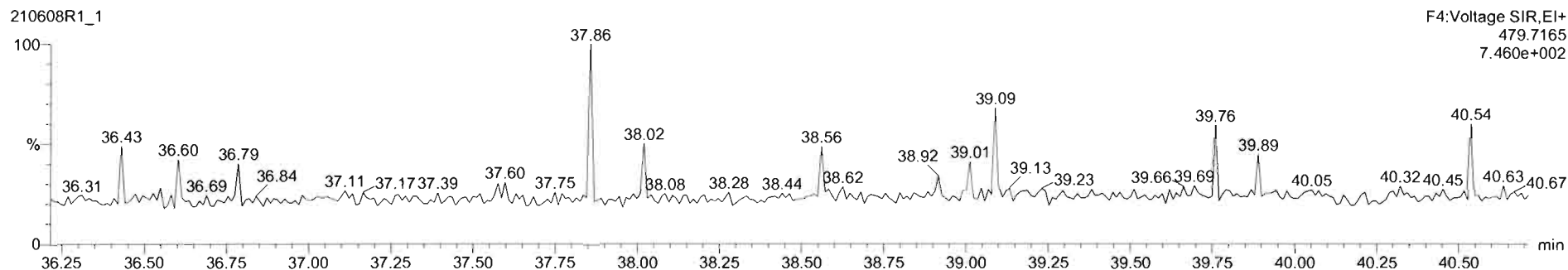
1,2,3,4,6,7,8-HpCDF



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



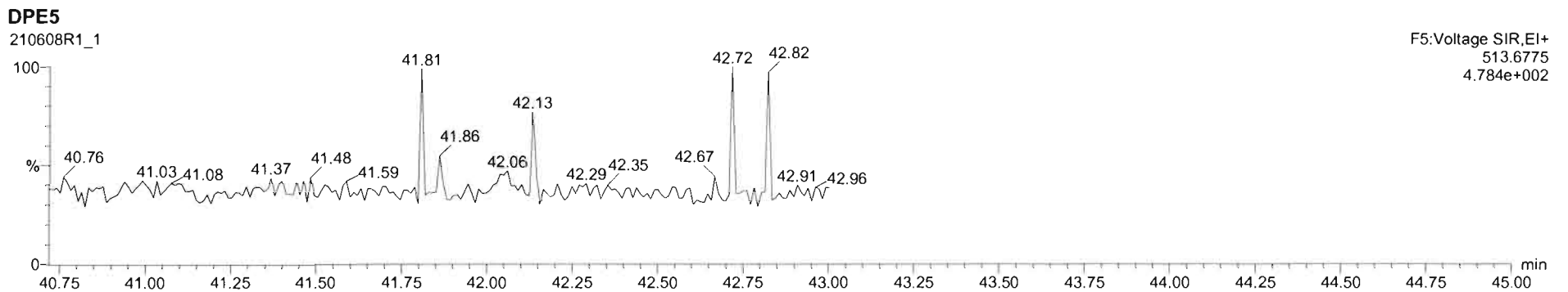
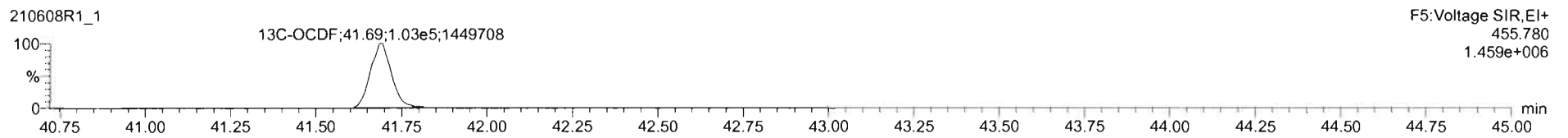
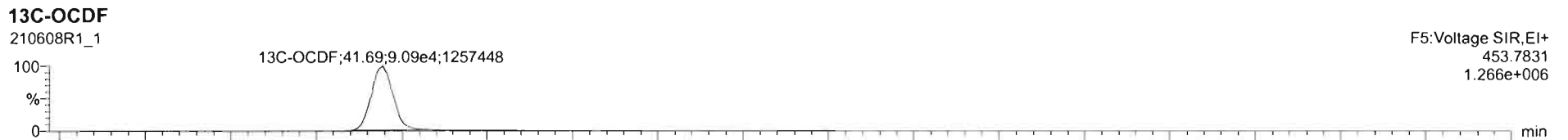
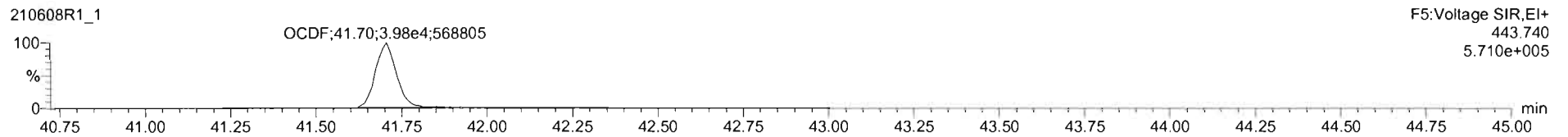
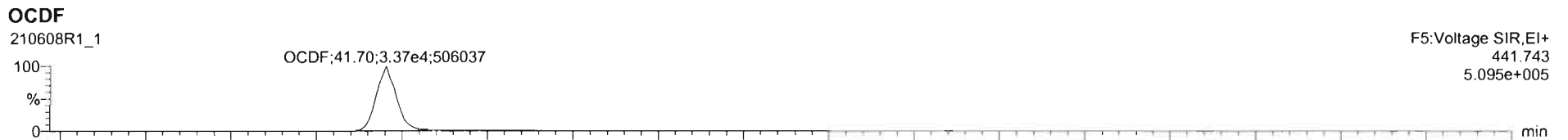
DPE4



Dataset: Untitled

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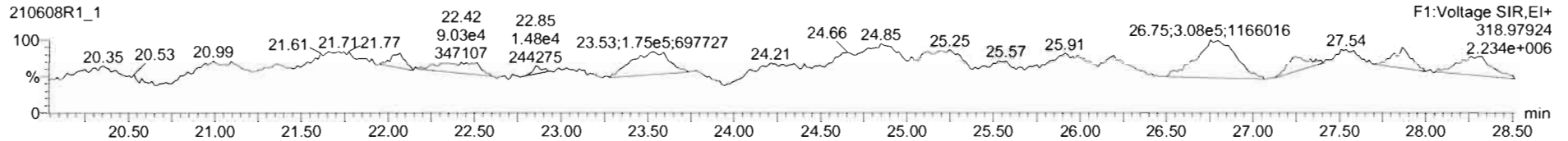


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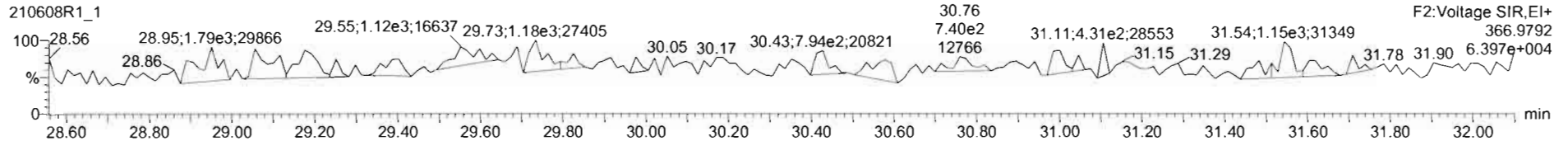
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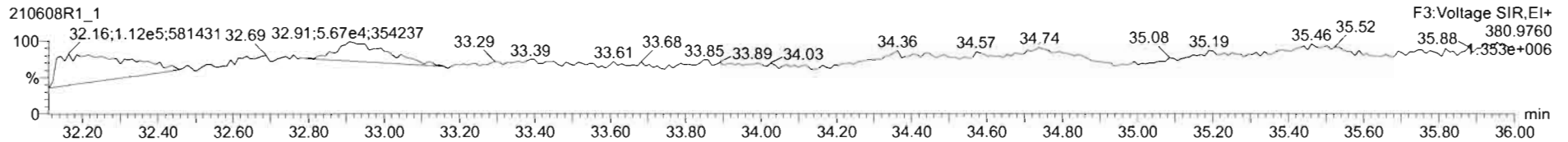
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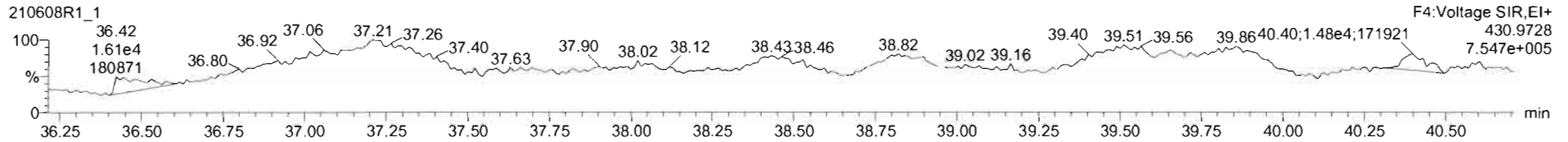
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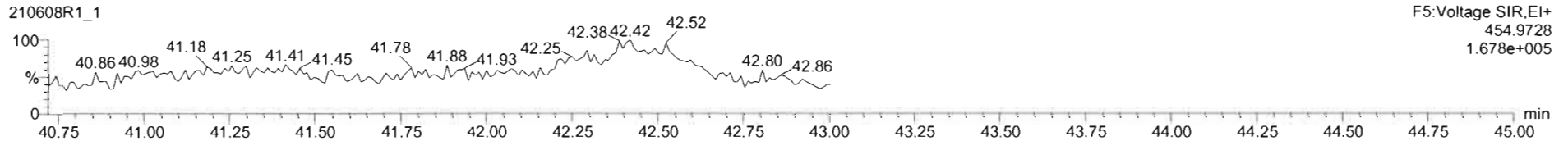
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PFK4

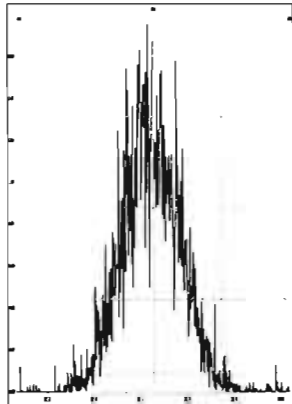


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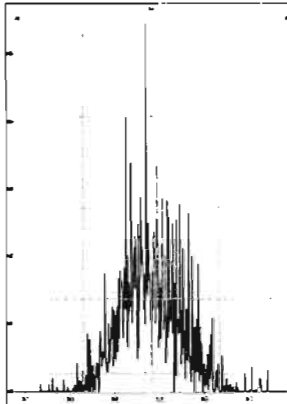


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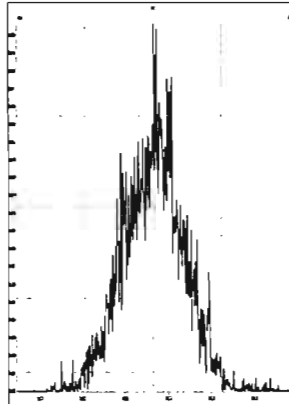
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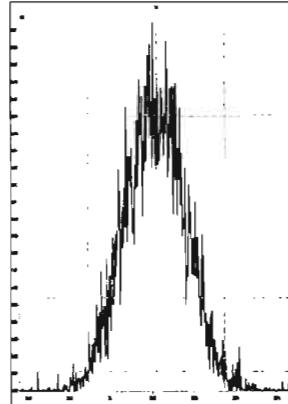
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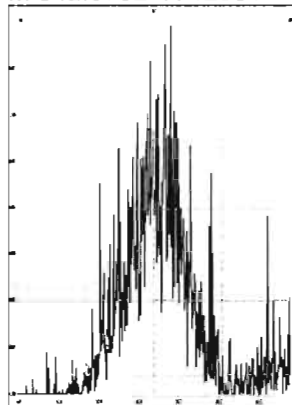
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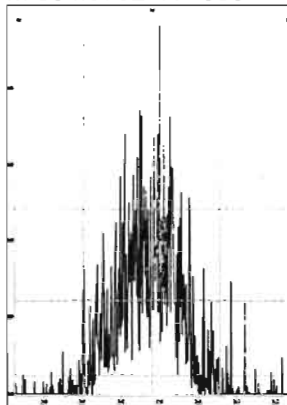
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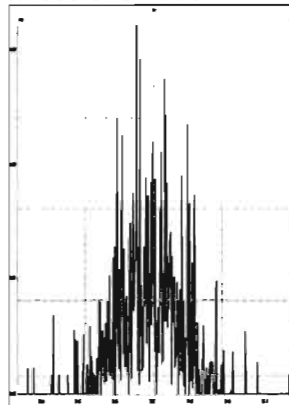
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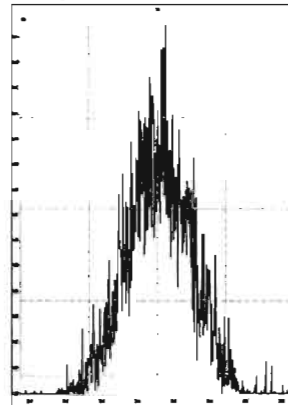
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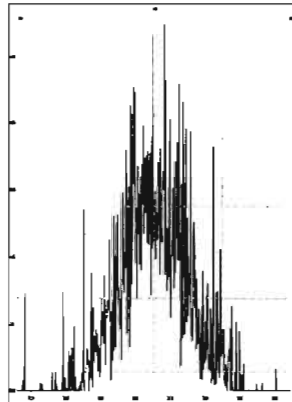
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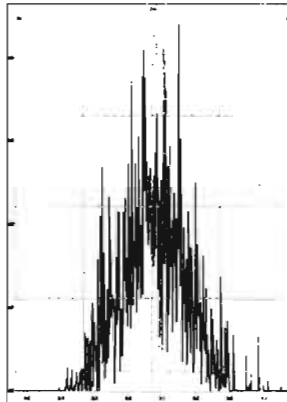
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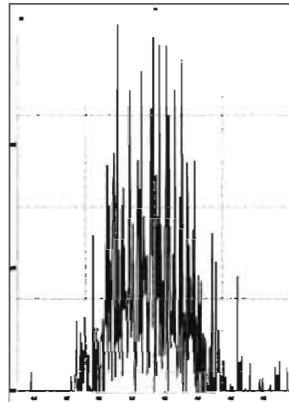
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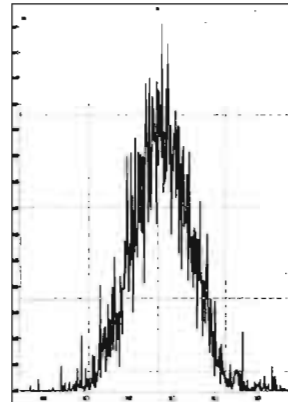
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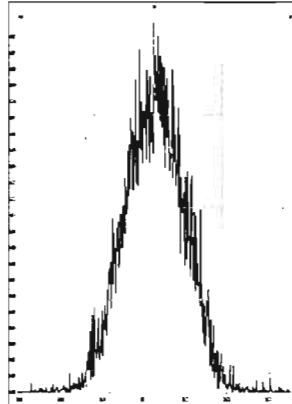
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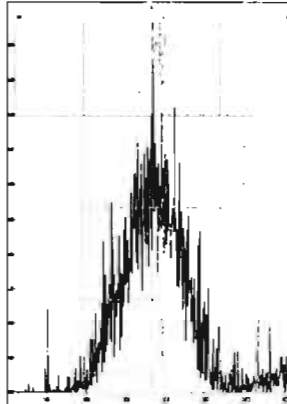
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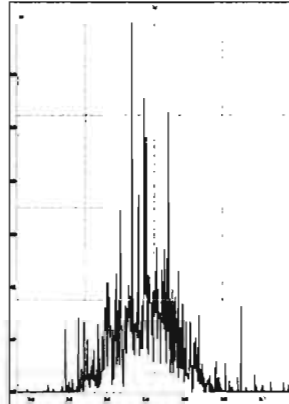
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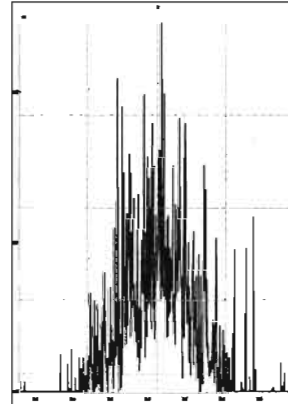
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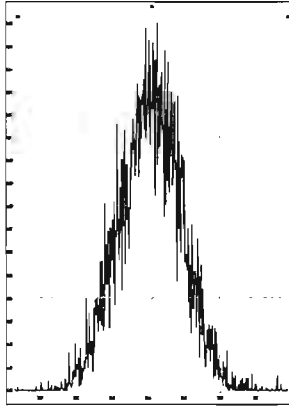


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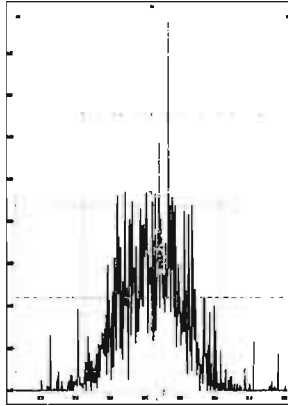


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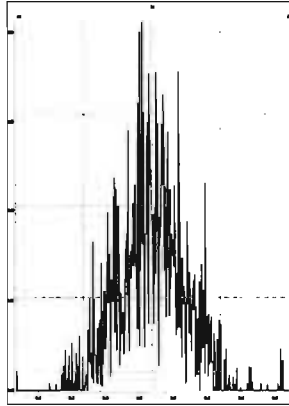
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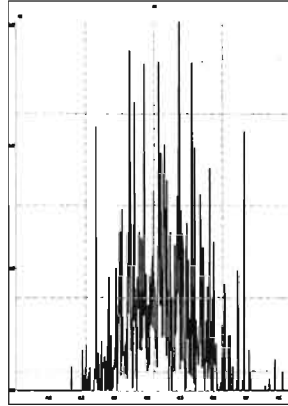
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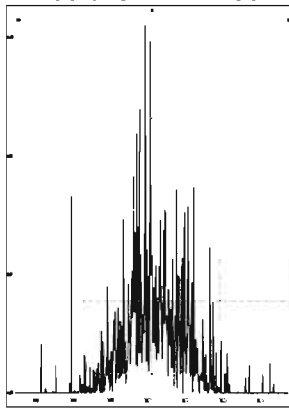
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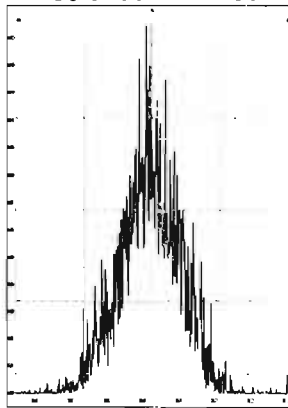
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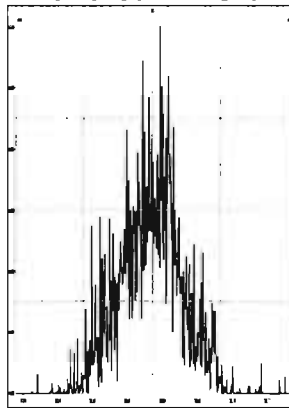
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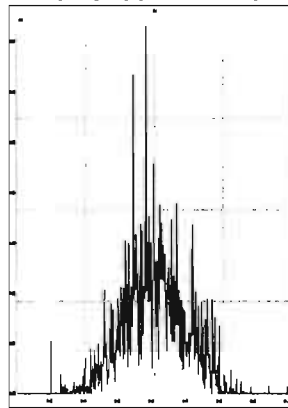
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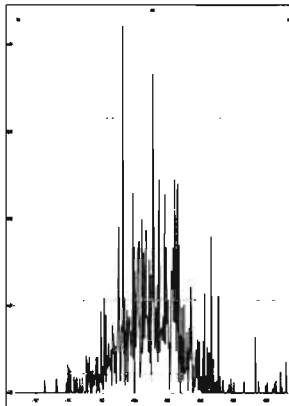
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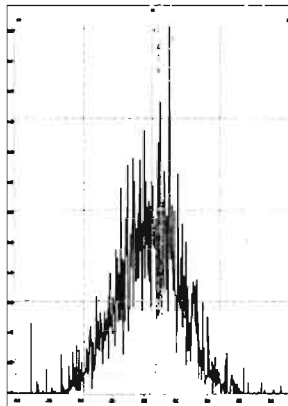
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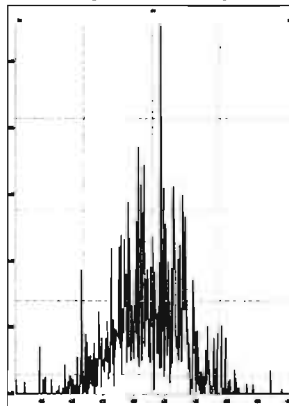
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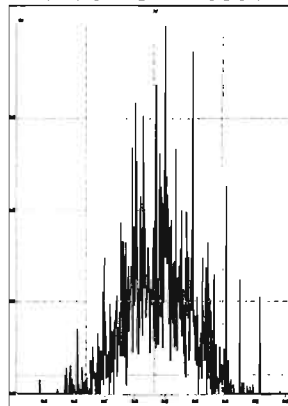
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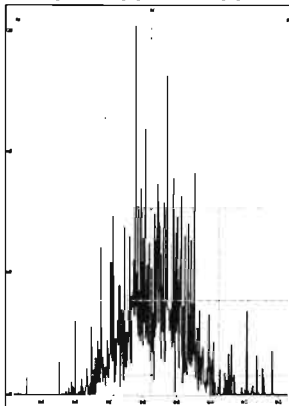
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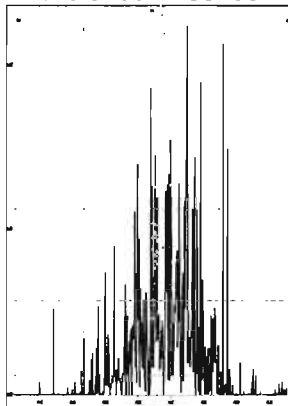
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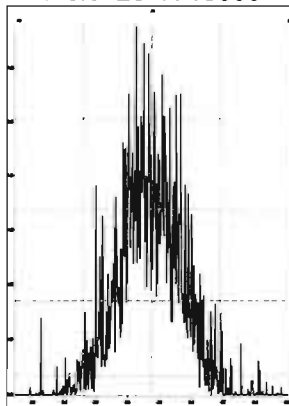
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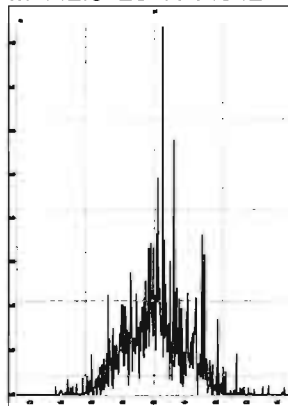
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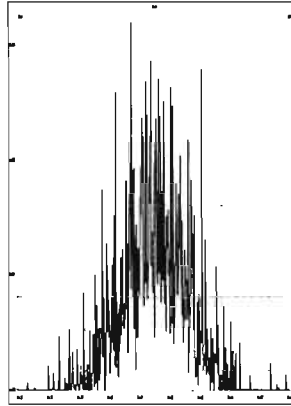


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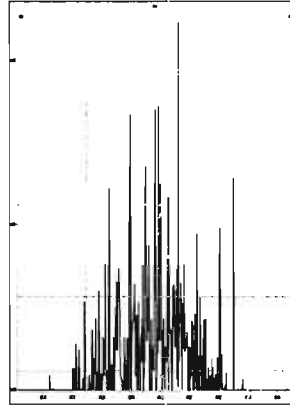


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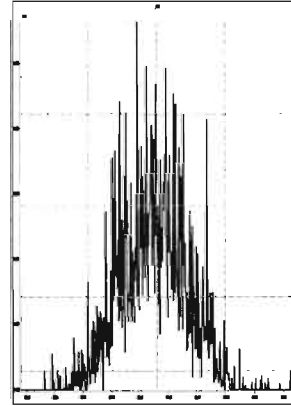
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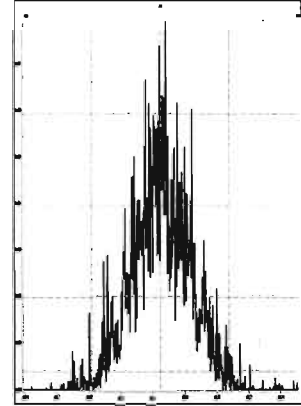
M 466.9728 R 214286



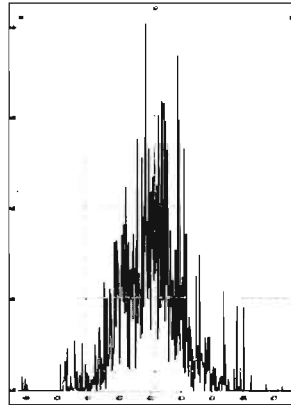
M 480.9696 R 12698



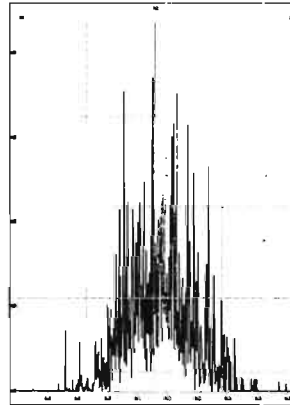
M 430.9728 R 11524



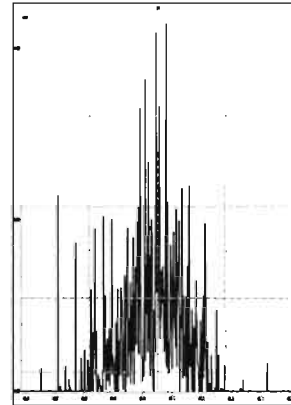
M 442.9728 R 14894



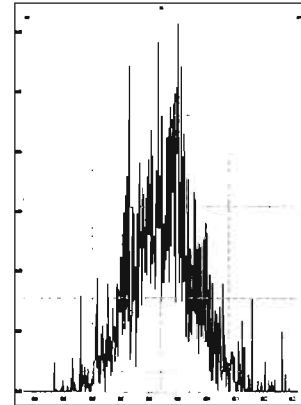
M 454.9728 R 24749



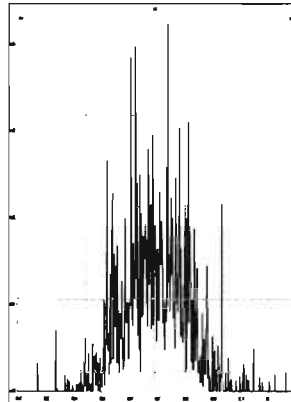
M 466.9728 R 41175



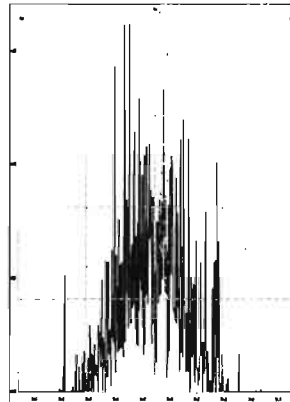
M 480.9696 R 13459



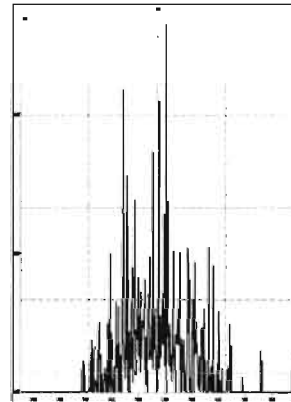
M 492.9696 R 14423



M 504.9696 R 16233



M 516.9697 R 113838



Dataset: U:\VG12.PRO\Results\210609R1\210609R1_1.qld

Last Altered: Tuesday, June 15, 2021 10:48:01 Pacific Daylight Time
Printed: Tuesday, June 15, 2021 10:52:28 Pacific Daylight Time

11/11/2021
DT 06/15/21

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_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	2.19e4	2.50e5	0.78	NO	0.929	26.68	26.68	NO	1.001	1.001	9.4242	94.2	NO
2	2 1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.61	NO	0.826	31.14	31.12	NO	1.001	1.000	50.863	102	NO
3	3 1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.26	NO	0.972	34.48	34.47	NO	1.001	1.000	51.833	104	NO
4	4 1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.25	NO	0.877	34.60	34.60	NO	1.001	1.001	51.336	103	NO
5	5 1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.27	NO	0.874	34.87	34.88	NO	1.000	1.001	49.170	98.3	NO
6	6 1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	NO	0.899	38.25	38.25	NO	1.000	1.000	49.441	98.9	NO
7	7 OCDD	6.40e4	1.48e5	0.86	NO	0.852	41.31	41.32	NO	1.000	1.000	101.67	102	NO
8	8 2,3,7,8-TCDF	2.75e4	3.79e5	0.78	NO	0.747	26.03	26.05	NO	1.000	1.001	9.7124	97.1	NO
9	9 1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.63	NO	0.877	29.92	29.93	NO	1.000	1.001	51.686	103	NO
10	10 2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.57	NO	0.962	30.96	30.94	NO	1.001	1.000	49.456	98.9	NO
11	11 1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.25	NO	0.920	33.52	33.53	NO	1.000	1.001	50.308	101	NO
12	12 1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.27	NO	0.936	33.67	33.67	NO	1.001	1.001	49.536	99.1	NO
13	13 2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.26	NO	0.973	34.36	34.36	NO	1.001	1.001	48.994	98.0	NO
14	14 1,2,3,7,8,9-HxCDF	5.75e4	1.23e5	1.23	NO	0.940	35.44	35.44	NO	1.000	1.000	49.659	99.3	NO
15	15 1,2,3,4,6,7,8-HpCDF	5.64e4	1.08e5	1.02	NO	1.05	37.05	37.05	NO	1.000	1.000	49.779	99.6	NO
16	16 1,2,3,4,7,8,9-HpCDF	4.37e4	8.27e4	1.01	NO	1.05	38.92	38.92	NO	1.000	1.000	50.556	101	NO
17	17 OCDF	7.16e4	1.89e5	0.90	NO	0.771	41.63	41.64	NO	1.000	1.001	98.256	98.3	NO
18	18 13C-2,3,7,8-TCDD	2.50e5	2.25e5	0.78	NO	1.10	26.62	26.65	NO	1.027	1.028	100.70	101	NO
19	19 13C-1,2,3,7,8-PeCDD	1.55e5	2.25e5	0.64	NO	0.864	31.00	31.11	NO	1.196	1.200	79.894	79.9	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.05e5	1.64e5	1.33	NO	0.746	34.44	34.46	NO	1.014	1.014	86.254	86.3	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.22e5	1.64e5	1.36	NO	0.847	34.56	34.58	NO	1.017	1.018	88.135	88.1	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.25e5	1.64e5	1.27	NO	0.868	34.86	34.86	NO	1.026	1.026	87.825	87.8	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.04e4	1.64e5	1.04	NO	0.664	38.21	38.24	NO	1.125	1.125	83.001	83.0	NO
24	24 13C-OCDD	1.48e5	1.64e5	0.88	NO	0.561	41.15	41.31	NO	1.211	1.216	160.71	80.4	NO
25	25 13C-2,3,7,8-TCDF	3.79e5	3.70e5	0.77	NO	1.09	26.02	26.03	NO	1.003	1.004	93.792	93.8	NO
26	26 13C-1,2,3,7,8-PeCDF	2.38e5	3.70e5	1.67	NO	0.809	29.73	29.91	NO	1.147	1.154	79.552	79.6	NO
27	27 13C-2,3,4,7,8-PeCDF	2.31e5	3.70e5	1.67	NO	0.803	30.69	30.94	NO	1.184	1.193	77.726	77.7	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.53e5	1.64e5	0.50	NO	1.01	33.52	33.51	NO	0.987	0.986	92.024	92.0	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.67e5	1.64e5	0.51	NO	1.07	33.64	33.65	NO	0.990	0.990	95.027	95.0	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.49e5	1.64e5	0.51	NO	0.910	34.33	34.34	NO	1.011	1.011	100.08	100	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.23e5	1.64e5	0.48	NO	0.828	35.41	35.43	NO	1.042	1.043	90.795	90.8	NO

Dataset: U:\VG12.PRO\Results\210609R1\210609R1_1.qld

Last Altered: Tuesday, June 15, 2021 10:48:01 Pacific Daylight Time

Printed: Tuesday, June 15, 2021 10:52:28 Pacific Daylight Time

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_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	1.08e5	1.64e5	0.41	NO	0.661	37.02	37.04	NO	1.090	1.090	99.844	99.8	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.27e4	1.64e5	0.40	NO	0.566	38.78	38.90	NO	1.141	1.145	89.215	89.2	NO
34	34 13C-OCDF	1.89e5	1.64e5	0.87	NO	0.663	41.54	41.62	NO	1.223	1.225	173.89	86.9	NO
35	35 37Cl-2,3,7,8-TCDD	4.19e4	2.25e5			2.07	26.82	26.67	NO	1.035	1.029	9.0268	90.3	NO
36	36 13C-1,2,3,4-TCDD	2.25e5	2.25e5	0.78	NO	1.00	26.07	25.93	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	3.70e5	3.70e5	0.79	NO	1.00	24.76	24.58	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.64e5	1.64e5	0.50	NO	1.00	34.04	33.97	NO	1.000	1.000	100.00	100	YES

OK

Dataset: Untitled

Last Altered: Tuesday, June 15, 2021 10:52:52 Pacific Daylight Time
Printed: Tuesday, June 15, 2021 10:52:58 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

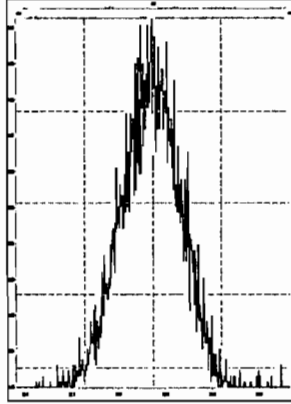
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210609R1_1	ST210609R1_1 1613 CS3 21C0105	09-Jun-21	10:46:57
2	210609R1_2	SOLVENT BLANK	09-Jun-21	11:34:57
3	210609R1_3	2105243-01 DSN003 FINAL EFFLUENT 1.013...	09-Jun-21	12:19:16
4	210609R1_4	HRMS-210603-02	09-Jun-21	13:05:17
5	210609R1_5	2105042-04 USMPDI-028SC-A-04-05-210504 ...	09-Jun-21	13:51:50
6	210609R1_6	2105042-13 USMPDI-035SC-A-04-05-210504 ...	09-Jun-21	14:39:21
7	210609R1_7	2105022-08 USMPDI-037SC-A-11-12.1-21050...	09-Jun-21	15:24:18
8	210609R1_8	2105047-01 USMPDI-028SG-210504 21.37	09-Jun-21	16:10:23
9	210609R1_9	2105047-03 USMPDI-031SG-210504 24.65	09-Jun-21	16:54:39
10	210609R1_10	2105047-02 USMPDI-030SG-210504 18.07	09-Jun-21	17:38:54
11	210609R1_11	2105047-04 USMPDI-035SG-210504 20.65	09-Jun-21	18:23:08
12	210609R1_12	2105021-07RE1 USMPDI-051SC-A-10-10.8-2...	09-Jun-21	19:07:25
13	210609R1_13	2105221-01 T4-PDI2019-SC44-190523-01-03 ...	09-Jun-21	19:51:39
14	210609R1_14	B1F0018-DUP1 Duplicate 10	09-Jun-21	20:35:55
15	210609R1_15	2105221-02 T4-PDI2019-SC44-190523-03-05 ...	09-Jun-21	21:20:09
16	210609R1_16	2105221-03 T4-PDI2019-SC44-190523-05-07 ...	09-Jun-21	22:04:24

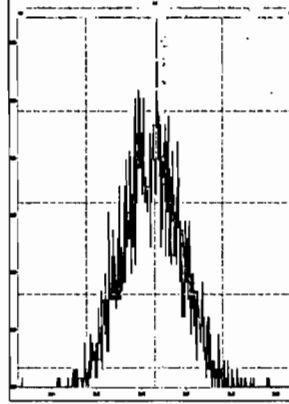
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:39:22 Pacific Daylight Time

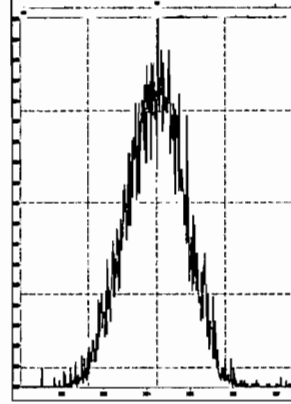
M 292.9824 R 10915



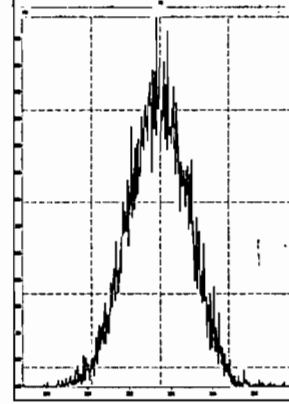
M 304.9824 R 11738



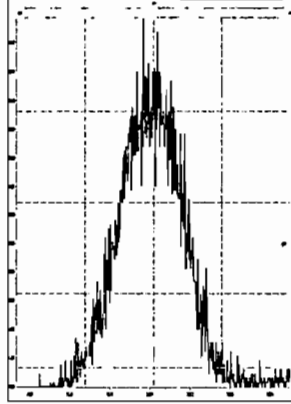
M 318.9792 R 10592



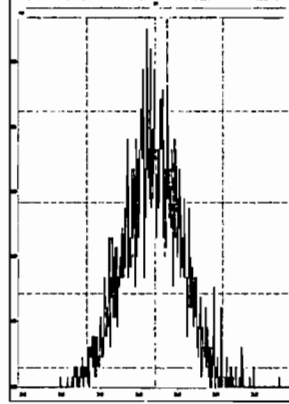
M 330.9792 R 10590



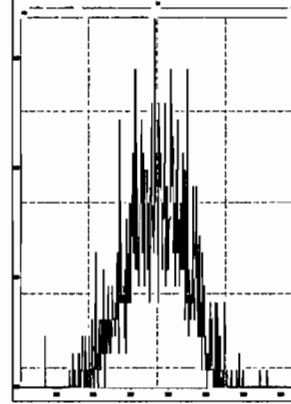
M 342.9792 R 10203



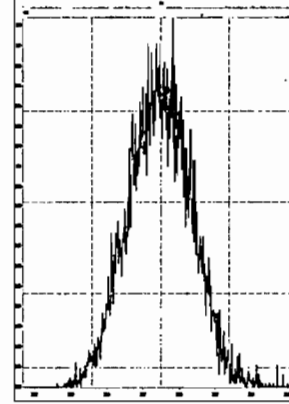
M 354.9792 R 12197



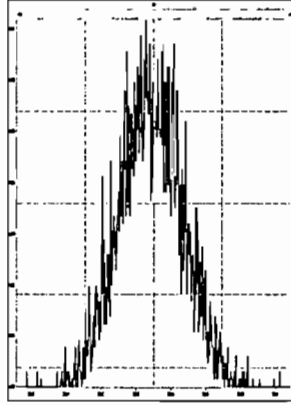
M 366.9792 R 12626



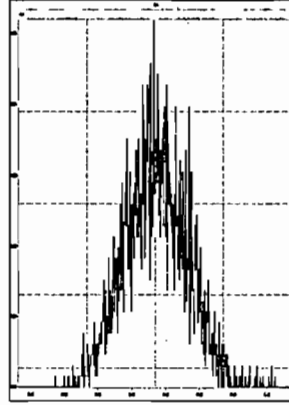
M 380.9760 R 10419



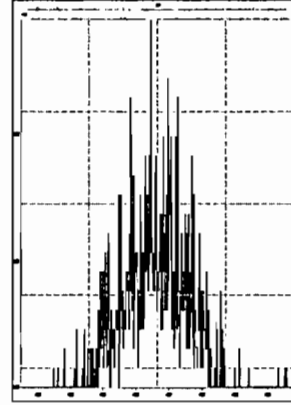
M 392.9760 R 10370



M 404.9760 R 10637



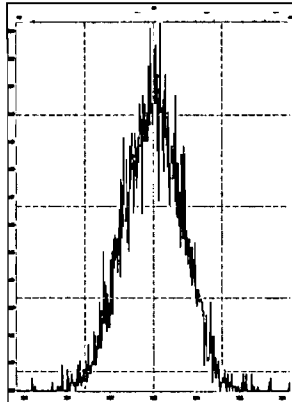
M 416.9760 R 12622



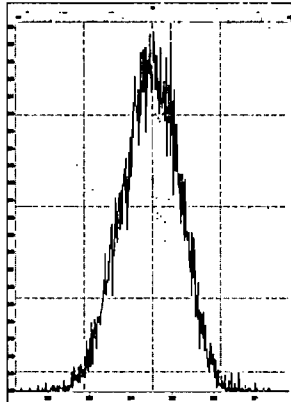
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:40:32 Pacific Daylight Time

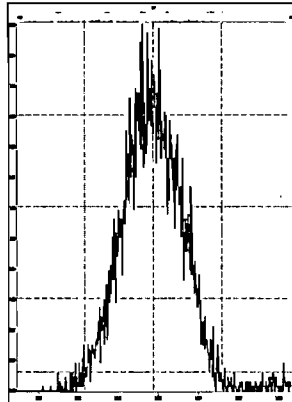
M 318.9792 R 10963



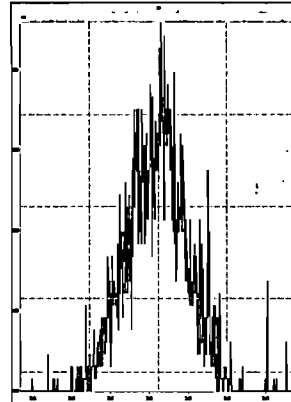
M 330.9792 R 10462



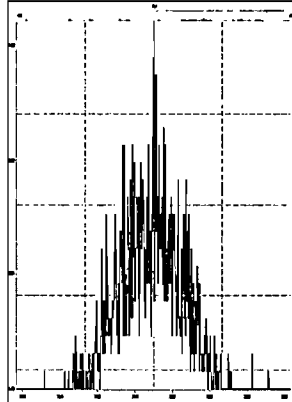
M 342.9792 R 11110



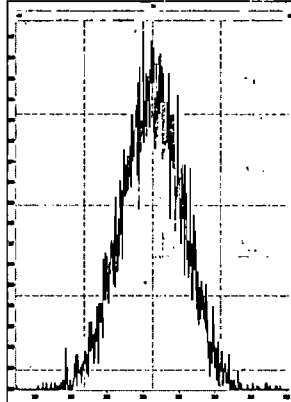
M 354.9792 R 11010



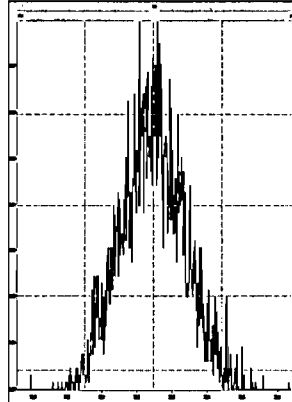
M 366.9792 R 12754



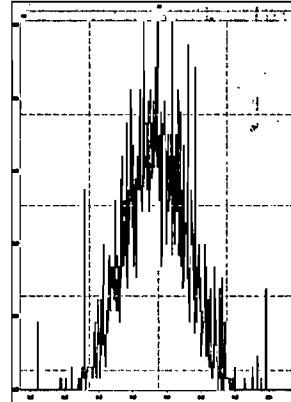
M 380.9760 R 10164



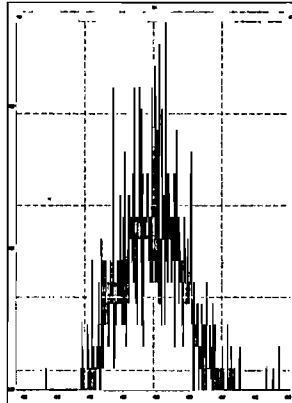
M 392.9760 R 10548



M 404.9760 R 10551



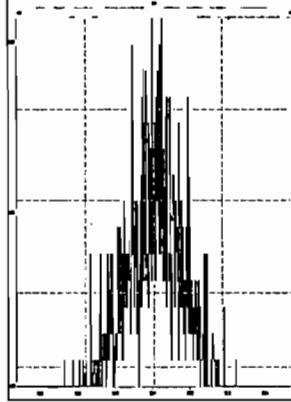
M 416.9760 R 12500



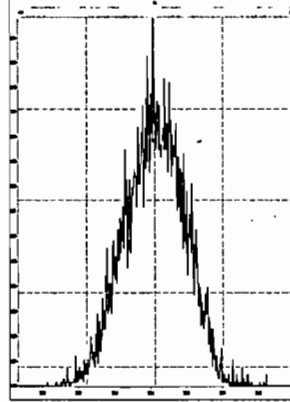
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:43:44 Pacific Daylight Time

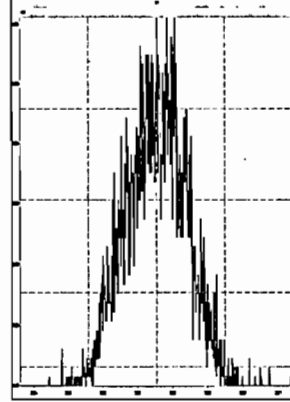
M 366.9792 R 12821



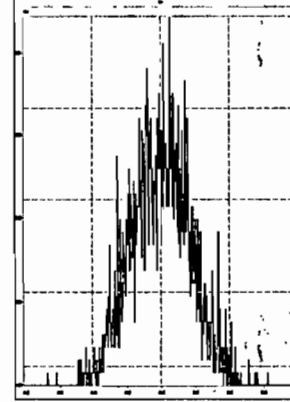
M 380.9760 R 10548



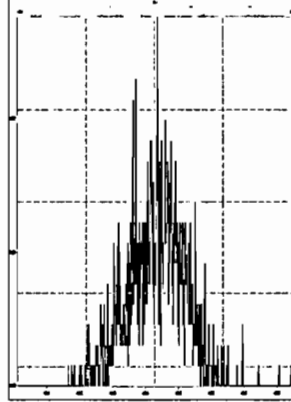
M 392.9760 R 11212



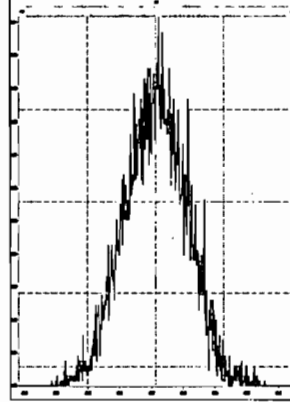
M 404.9760 R 10916



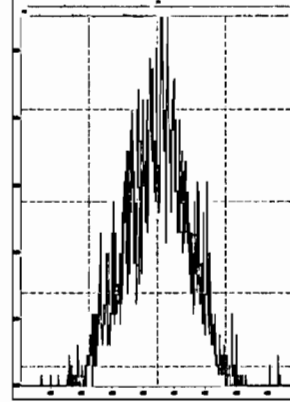
M 416.9760 R 14883



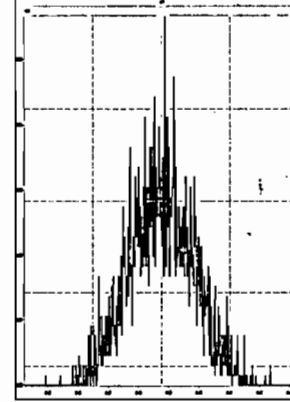
M 430.9728 R 10638



M 442.9728 R 10372



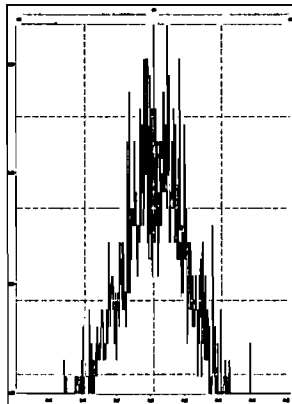
M 454.9728 R 10163



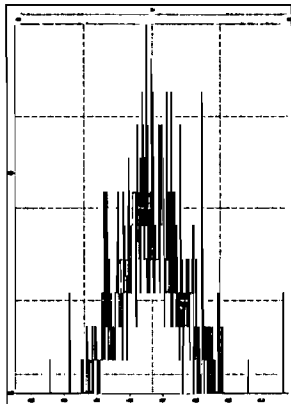
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:44:35 Pacific Daylight Time

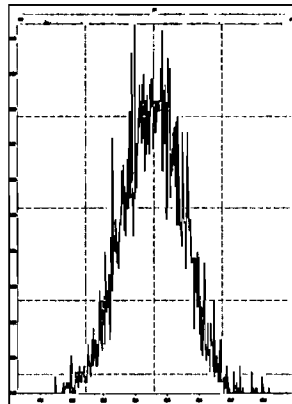
M 404.9760 R 11962



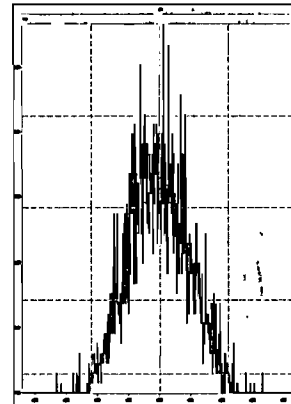
M 416.9760 R 13734



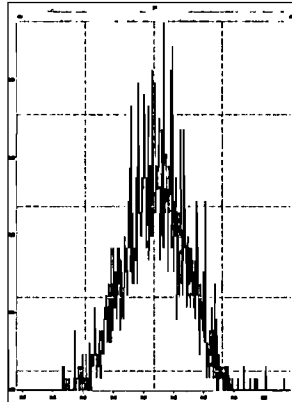
M 430.9728 R 10327



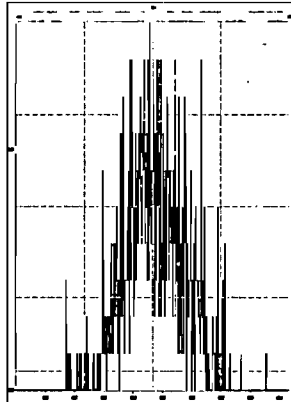
M 442.9728 R 10459



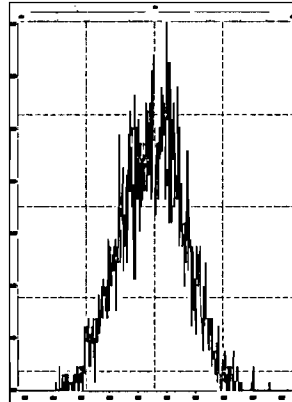
M 454.9728 R 10962



M 466.9728 R 12886



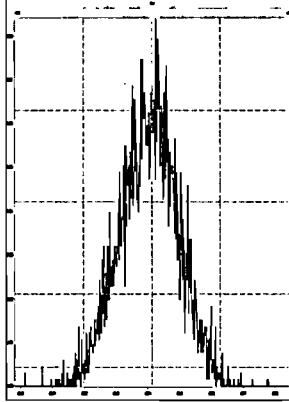
M 480.9696 R 11263



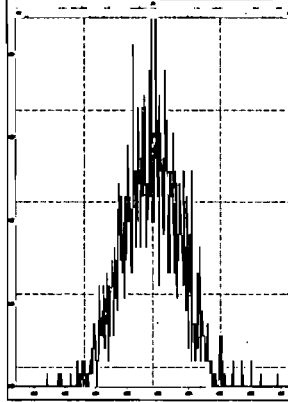
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:45:47 Pacific Daylight Time

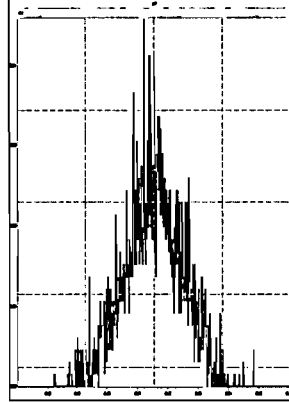
M 430.9728 R 10822



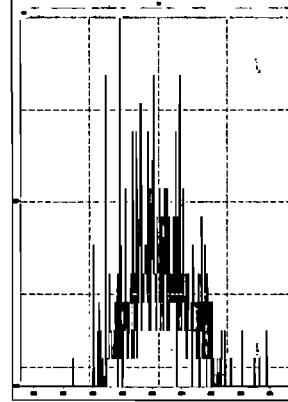
M 442.9728 R 11906



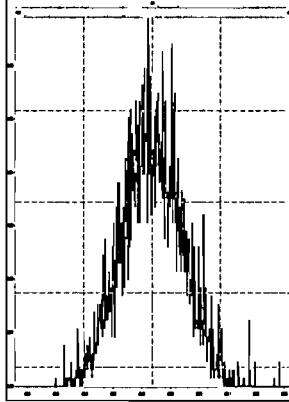
M 454.9728 R 12755



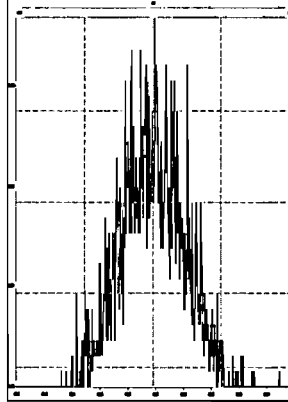
M 466.9728 R 18654



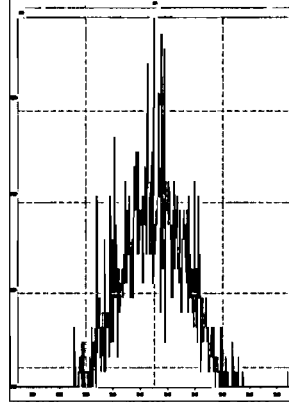
M 480.9696 R 10417



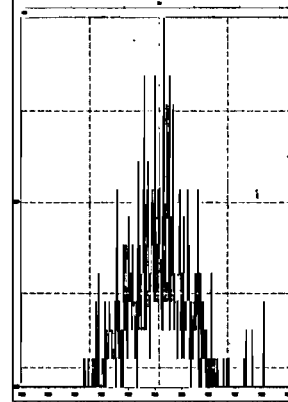
M 492.9696 R 10248



M 504.9696 R 10078



M 516.9697 R 12076



Dataset: U:\VG12.PRO\Results\210609R1\210609R1_CPSM.qld

Last Altered: Monday, June 14, 2021 16:37:23 Pacific Daylight Time

Printed: Monday, June 14, 2021 16:37:52 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 18 May 2021 09:49:43

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.21
2	2 1,2,8,9-TCDD (Last)	27.51
3	3 1,2,4,7,9-PeCDD (First)	28.93
4	4 1,2,3,8,9-PeCDD (Last)	31.47
5	5 1,2,4,6,7,9-HxCDD (First)	32.75
6	6 1,2,3,7,8,9-HxCDD (Last)	34.88
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.37
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.25
9	9 1,3,6,8-TCDF (First)	21.05
10	10 1,2,8,9-TCDF (Last)	27.83
11	11 1,3,4,6,8-PeCDF (First)	27.38
12	12 1,2,3,8,9-PeCDF (Last)	31.84
13	13 1,2,3,4,6,8-HxCDF (First)	32.22
14	14 1,2,3,7,8,9-HxCDF (Last)	35.44
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.05
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.92

Dataset: U:\VG12.PRO\Results\210609R1\210609R1_CPSM.qld

Last Altered: Monday, June 14, 2021 16:37:23 Pacific Daylight Time
Printed: Monday, June 14, 2021 16:37:52 Pacific Daylight Time

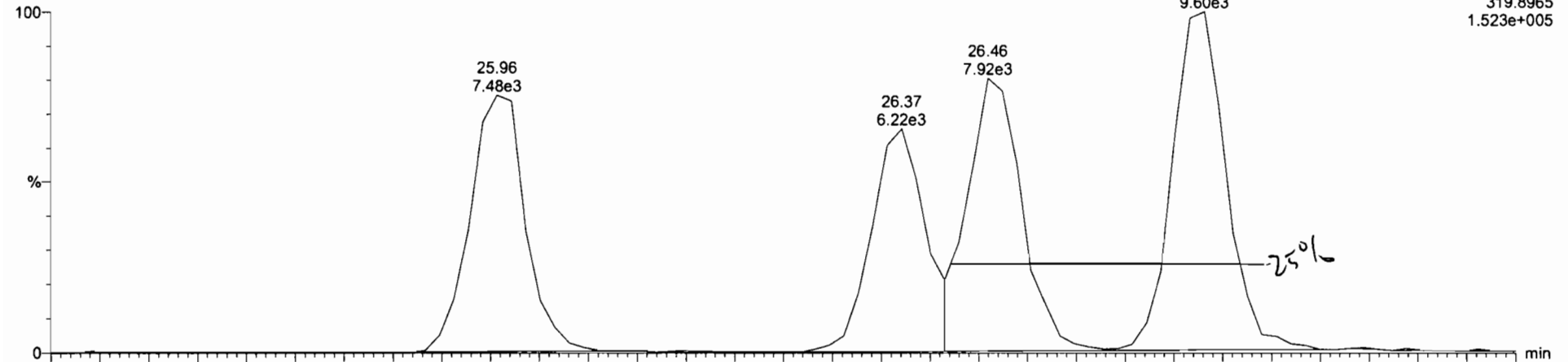
6/14/21

Method: U:\VG12.PRO\MethDB\CPSM.mdb 18 May 2021 09:49:43
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

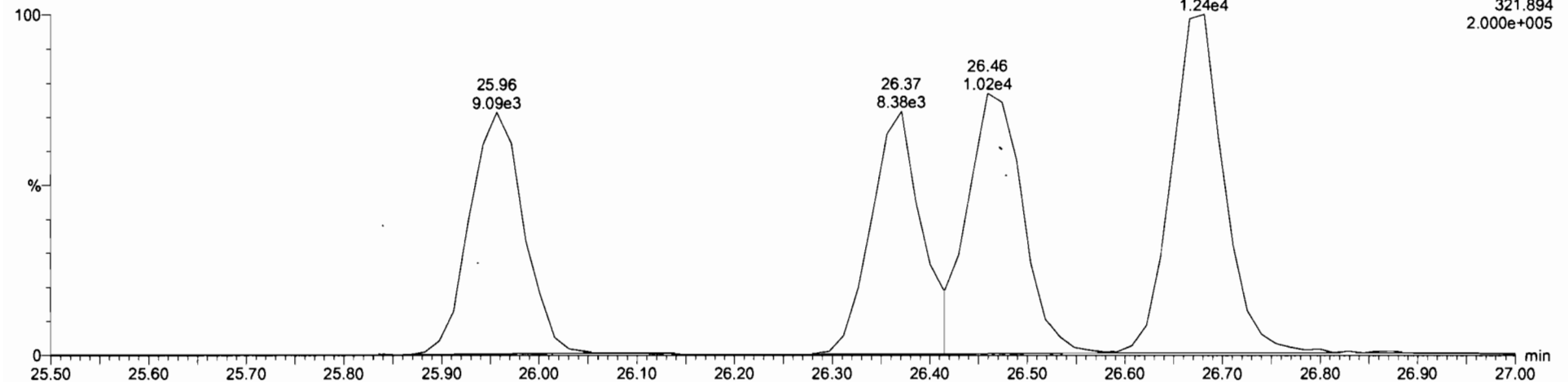
Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210609R1_1



210609R1_1



Vista Analytical Laboratory VG-12

Dataset: U:\VG12.PRO\Results\210609R1\210609R1_CPSM.qld

Last Altered: Monday, June 14, 2021 16:37:23 Pacific Daylight Time

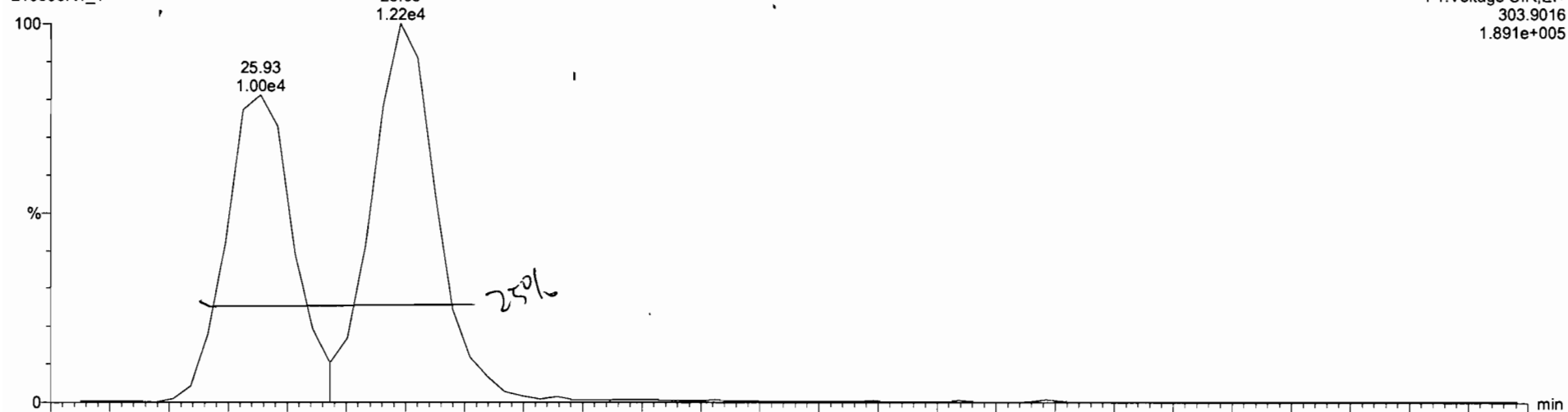
Printed: Monday, June 14, 2021 16:37:52 Pacific Daylight Time

FIN 06/14/21

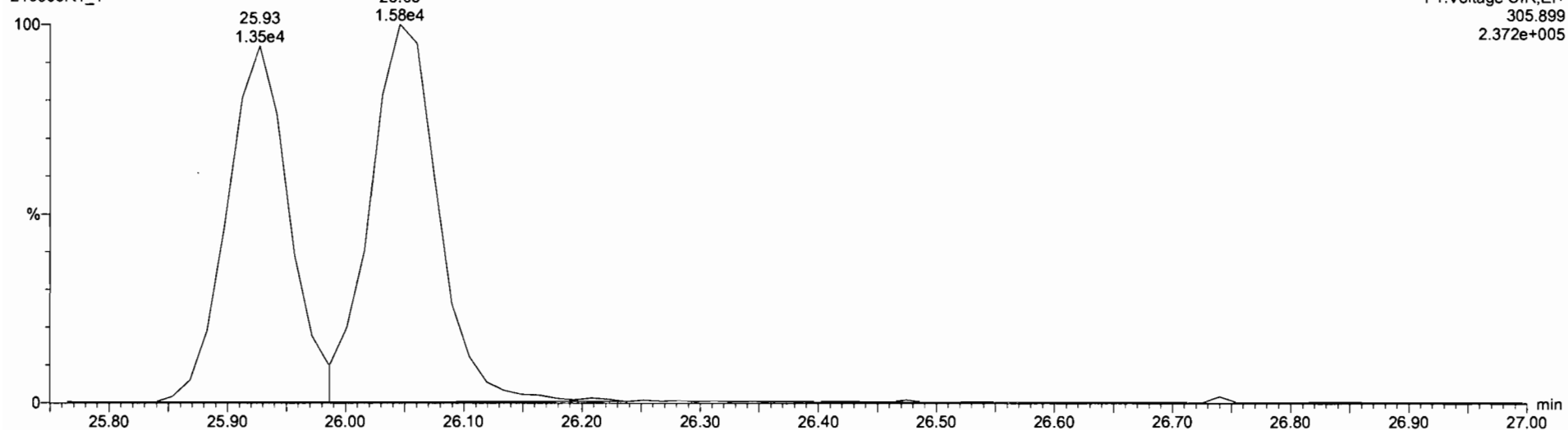
Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)

210609R1_1



210609R1_1



Dataset: Untitled

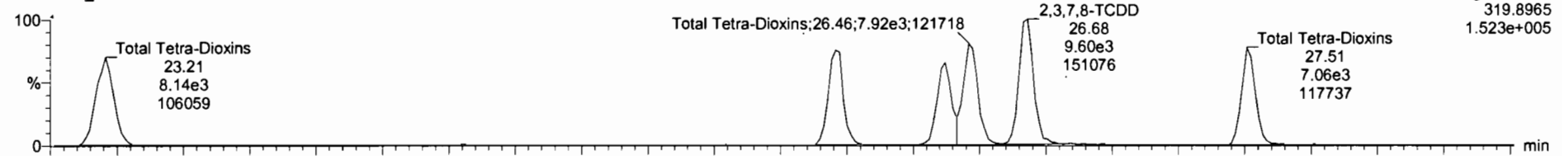
Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

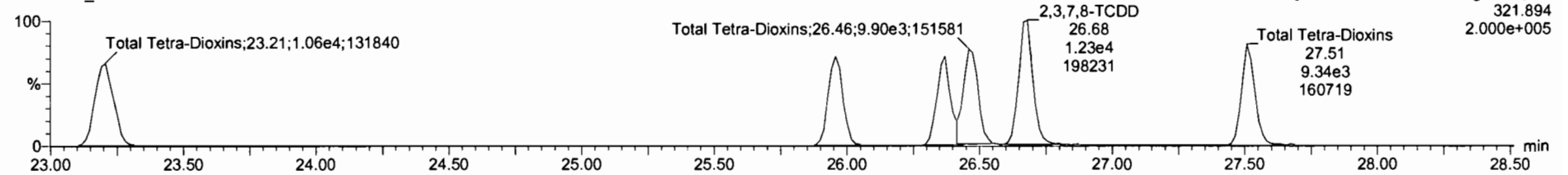
Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

2,3,7,8-TCDD

210609R1_1

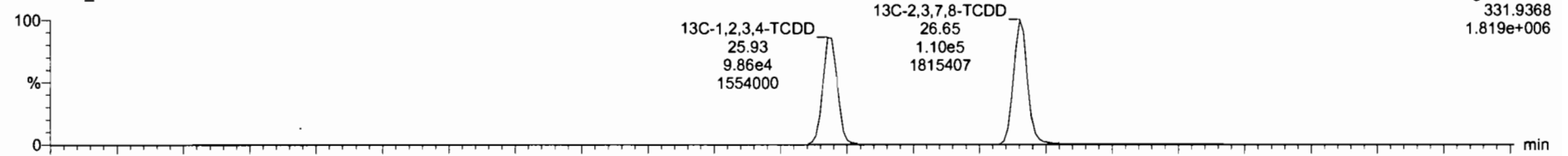


210609R1_1

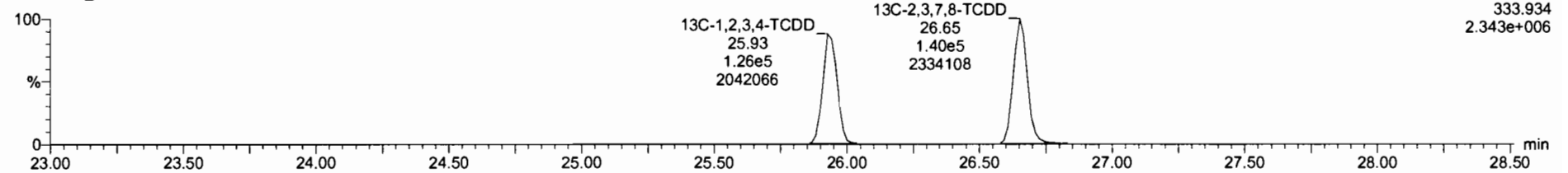


13C-2,3,7,8-TCDD

210609R1_1



210609R1_1



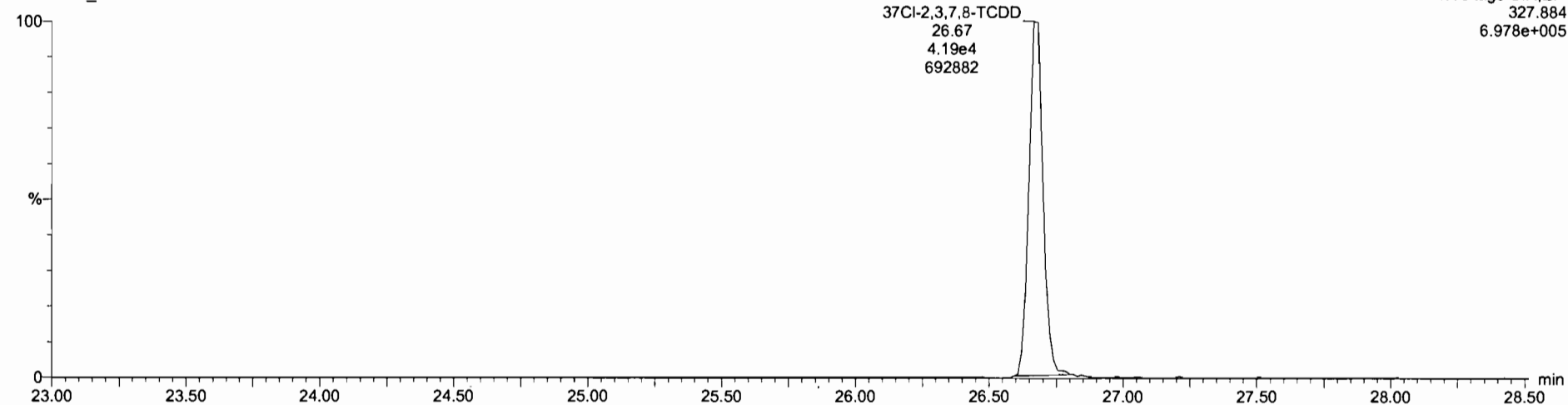
Dataset: Untitled

Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

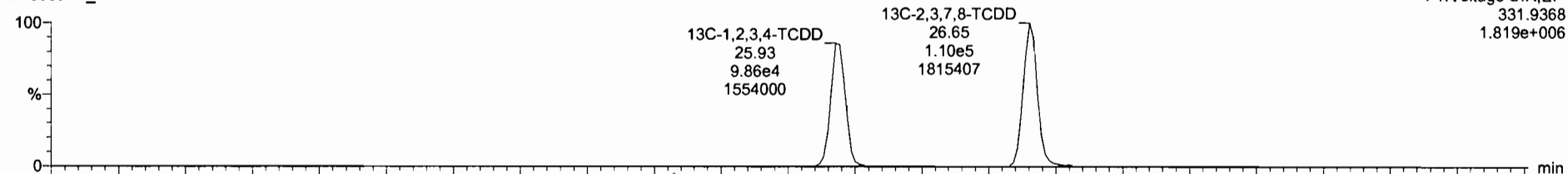
37Cl-2,3,7,8-TCDD

210609R1_1

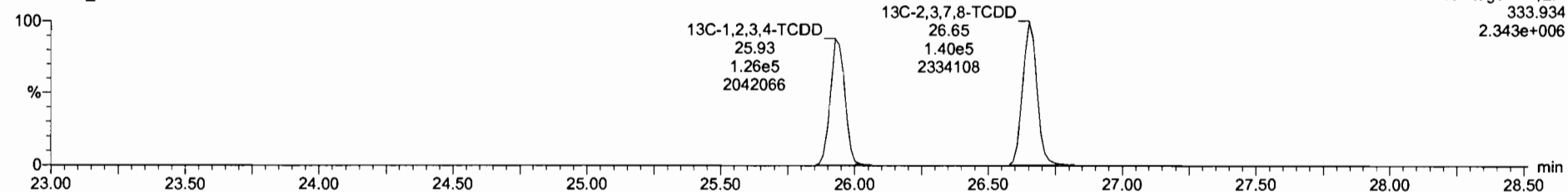


13C-1,2,3,4-TCDD

210609R1_1



210609R1_1

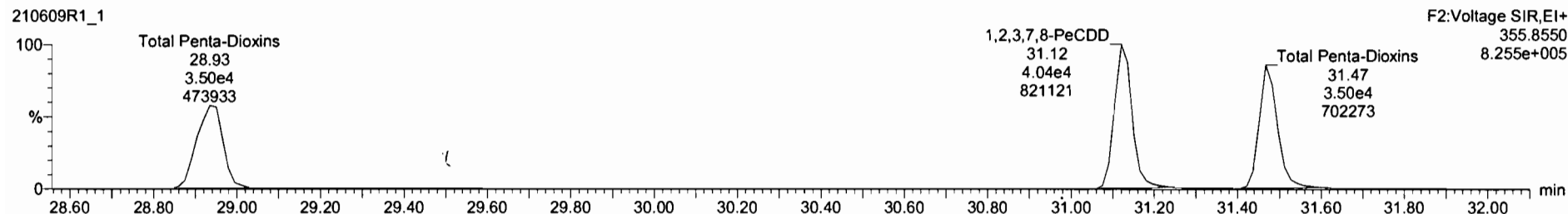
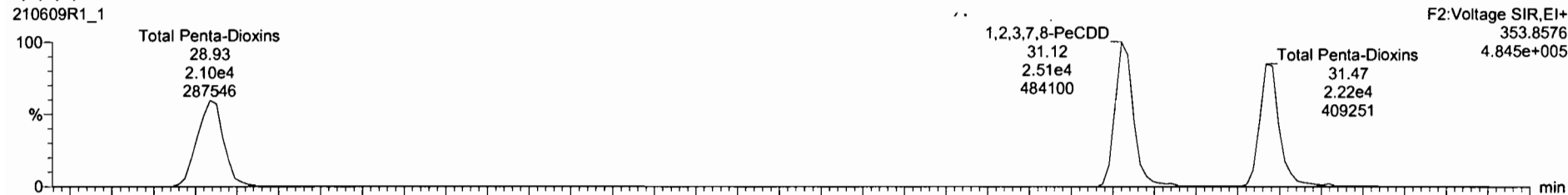


Dataset: Untitled

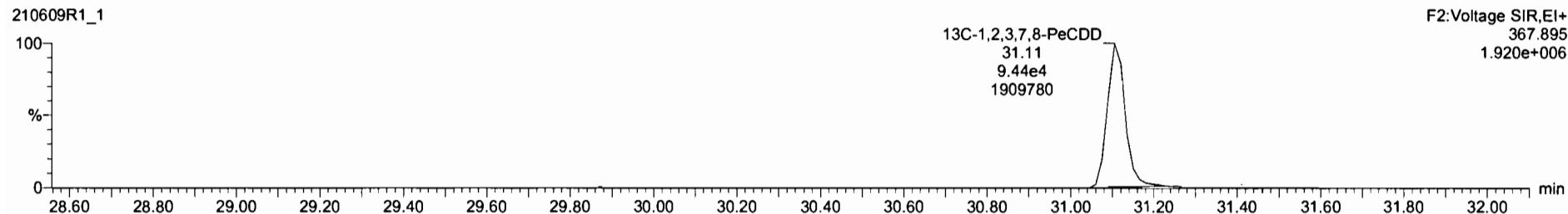
Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,2,3,7,8-PeCDD



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



210609R1_1: ST210609R1_1 1613 CS3 21C0105 - 1613 CS3 21C0105

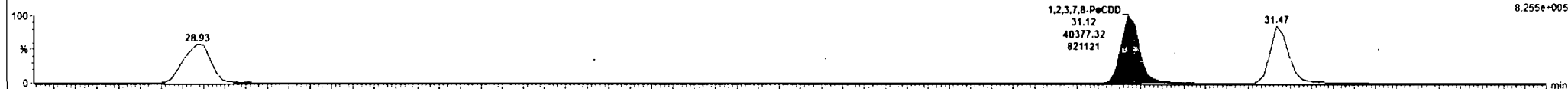
#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	8.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.25	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.43e4	1.22e5	1.24	1.26	NO	0.8771	34.60	34.60	NO	1.001	1.001	50.7	101	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.8987	36.25	36.25	NO	1.000	1.000	49.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.8524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	1,2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	1,2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	96.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	1,2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	96.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

210609R1_1
1613 CS3 21C0105 ST210609R1_1 1613 CS3 21C0105



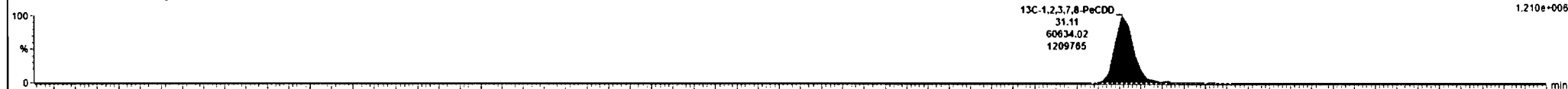
F2:Voltage SIR.EI-
353.8576
4.845e-005

210609R1_1
1613 CS3 21C0105 ST210609R1_1 1613 CS3 21C0105



F2:Voltage SIR.EI-
355.8550
8.255e-005

210609R1_1
1613 CS3 21C0105 ST210609R1_1 1613 CS3 21C0105



F2:Voltage SIR.EI-
365.8978
1.210e-006

210609R1_1
1613 CS3 21C0105 ST210609R1_1 1613 CS3 21C0105



F2:Voltage SIR.EI-
367.895
1.920e-006

Ready

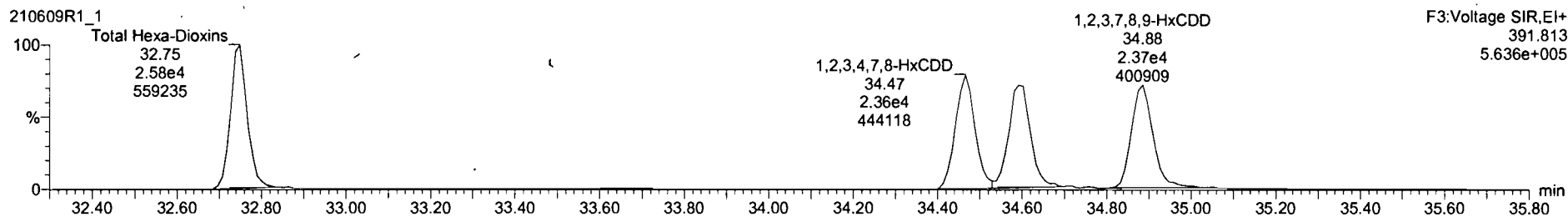
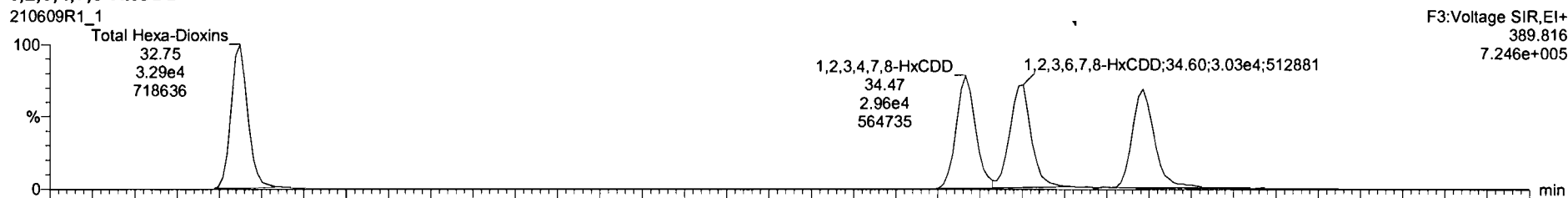
210609R1_1 [CAP] NUM

Dataset: Untitled

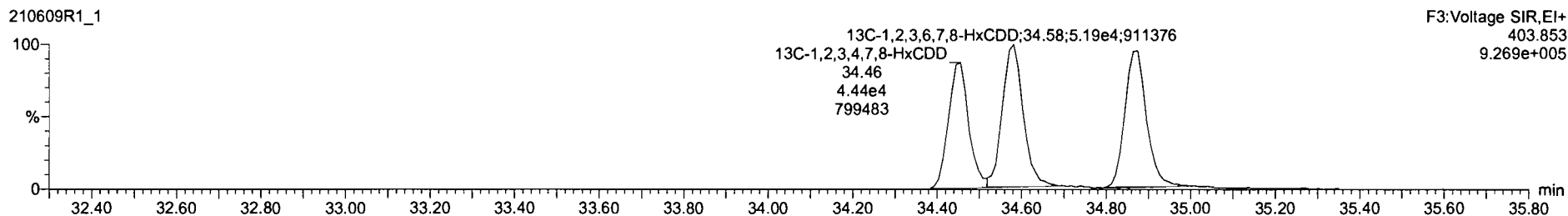
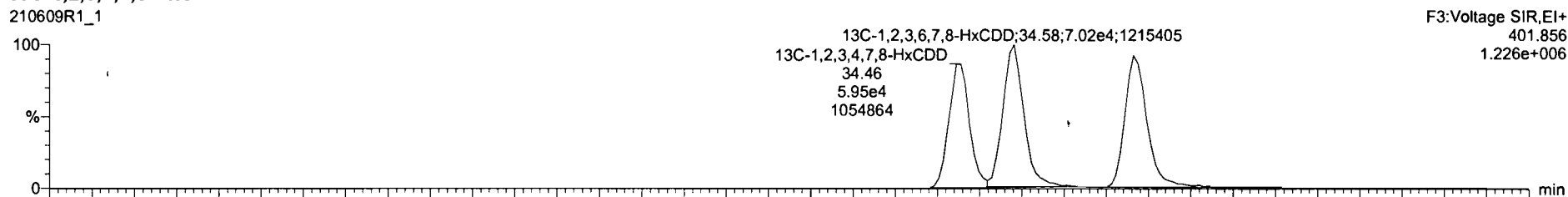
Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

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

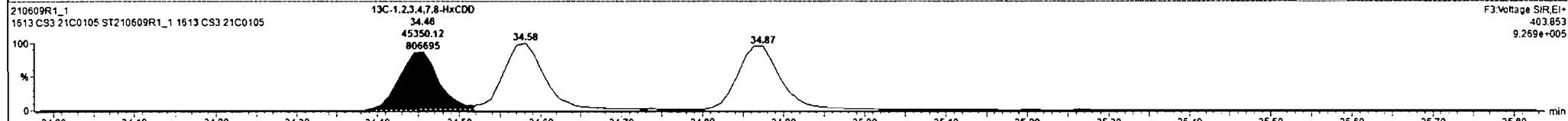
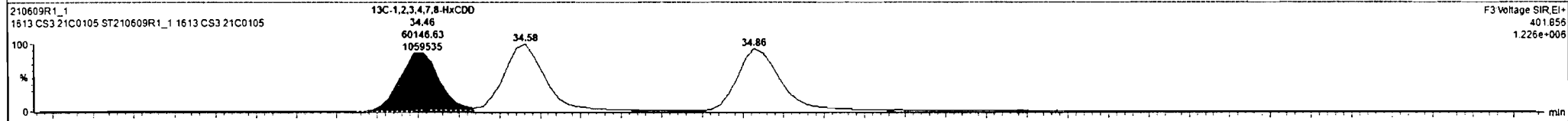
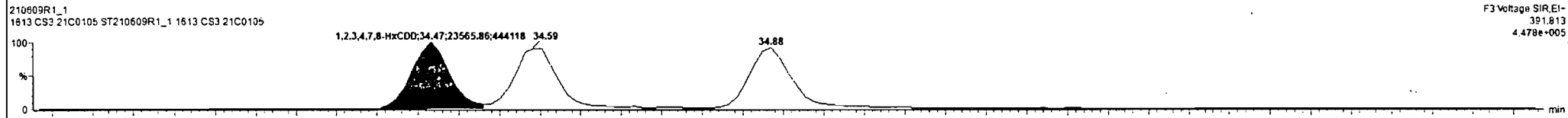
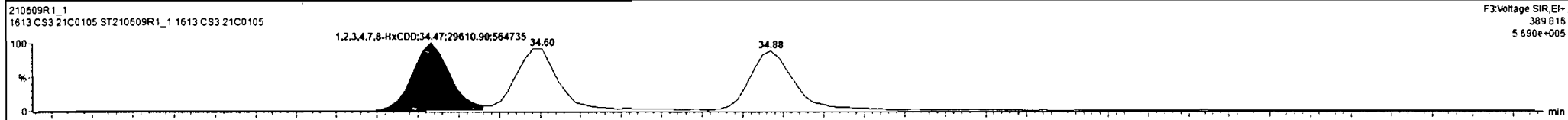


13C-1,2,3,4,7,8-HxCDD

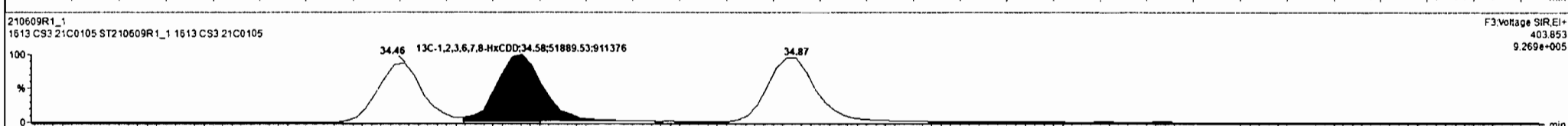
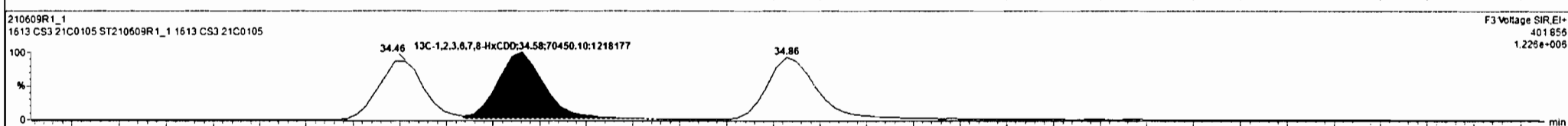
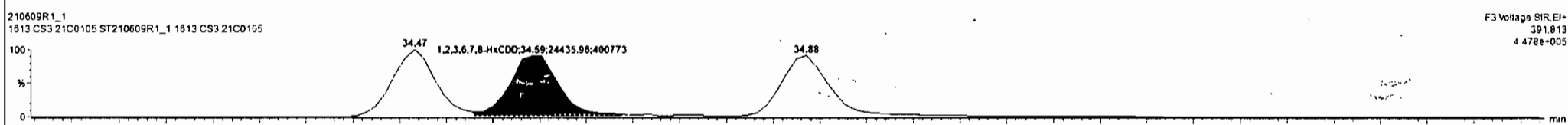
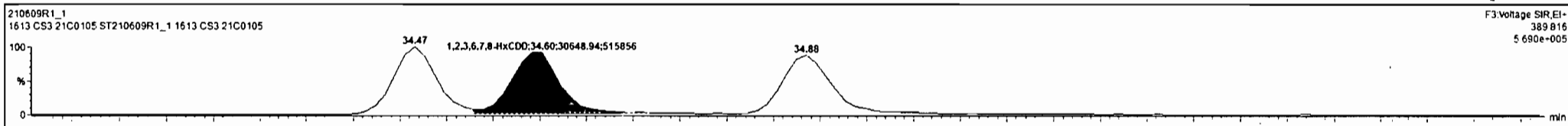


210609R1_1 - ST210609R1_1 1613 CS3 21C0105 - 1613 CS3 21C0105

#	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	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.43e4	1.22e5	1.24	1.26	NO	0.8771	34.60	34.60	NO	1.001	1.001	50.7	101	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.6739	34.87	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.6524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7468	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.36e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,1,1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

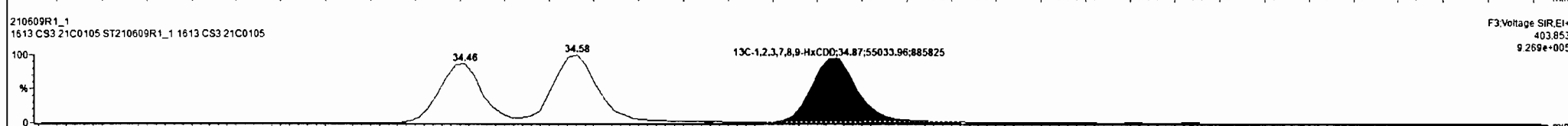
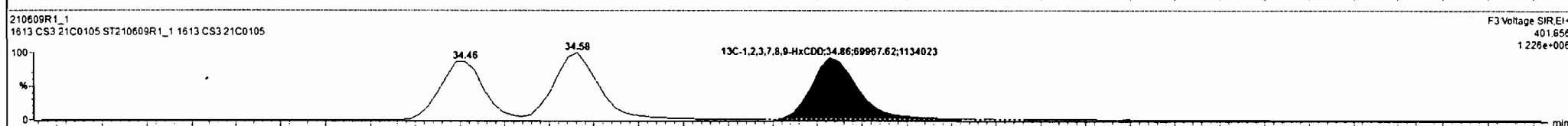
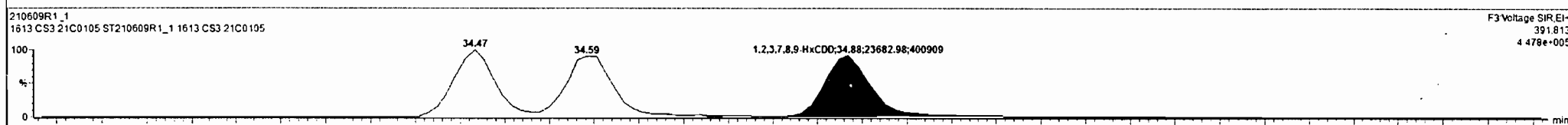
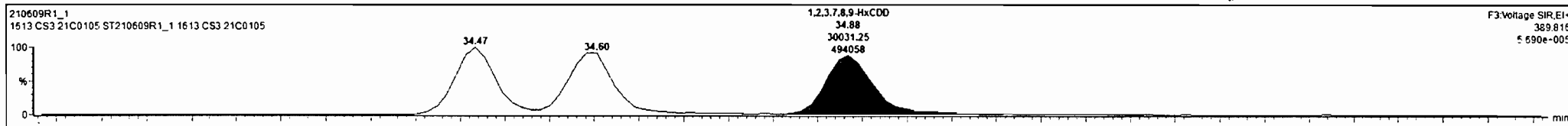


#	Name	Resp	IS Resp	Pred RA	RA	nly	RFP	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9281	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.28	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.67	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.8967	38.25	38.25	NO	1.000	1.000	49.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.69	0.65	NO	0.8524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	1,2,3,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.8	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0461	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



210609R1_1 - ST210609R1_1 1613 CS3 21C0105 - 1613 CS3 21C0105

#	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	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.88	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.6257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.6967	38.25	38.25	NO	1.000	1.000	48.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.6524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.05e5	2.38e5	1.55	1.64	NO	0.6771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	1,2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.5202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	1,2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.5725	34.36	34.36	NO	1.001	1.001	48.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	48.8	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	0.87e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



Residue

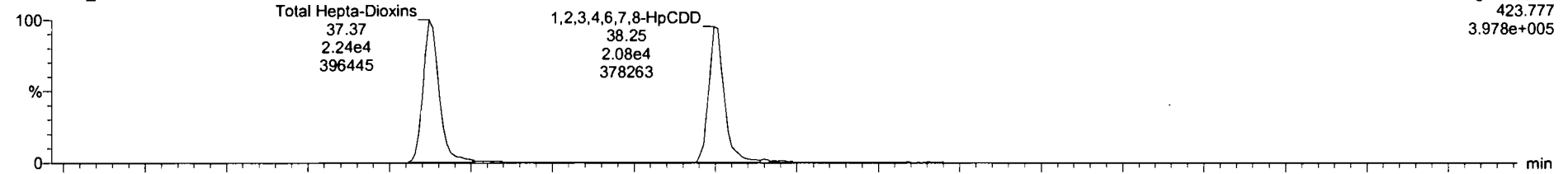
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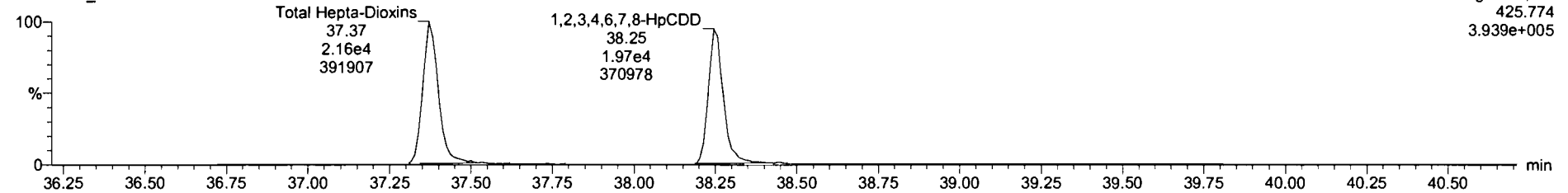
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1,2,3,4,6,7,8-HpCDD

210609R1_1

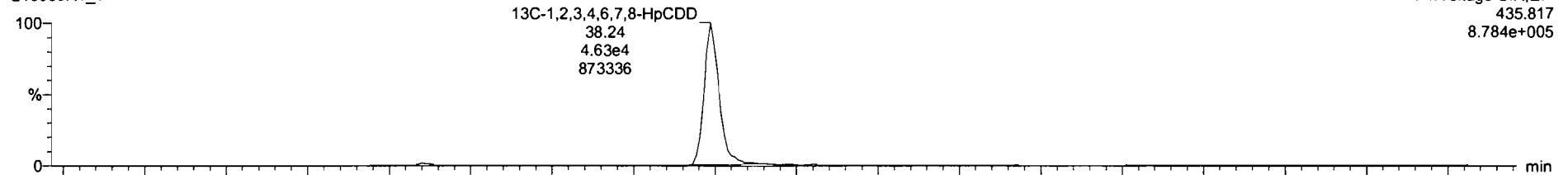


210609R1_1

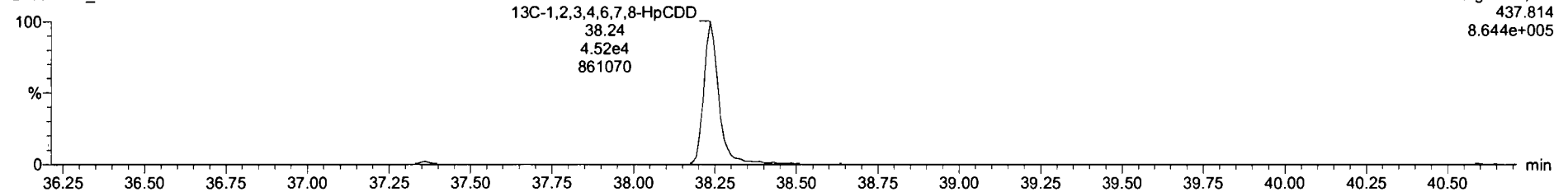


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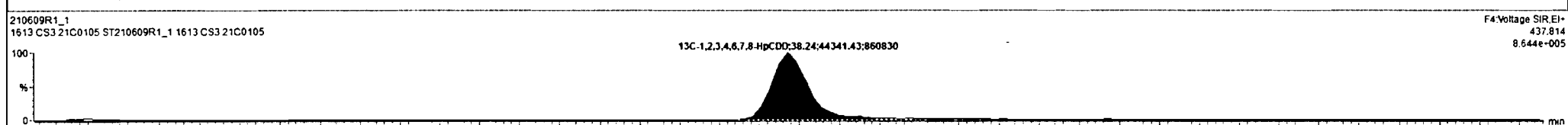
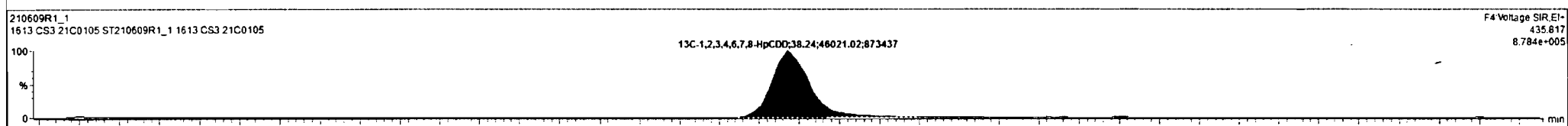
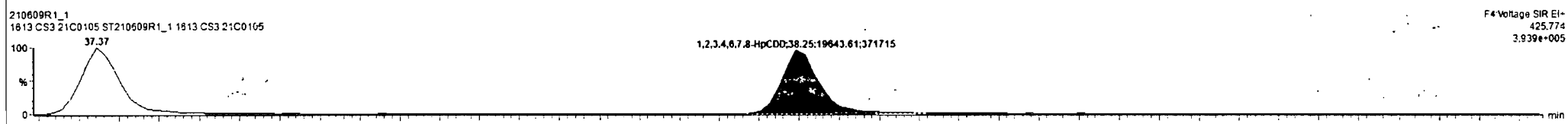
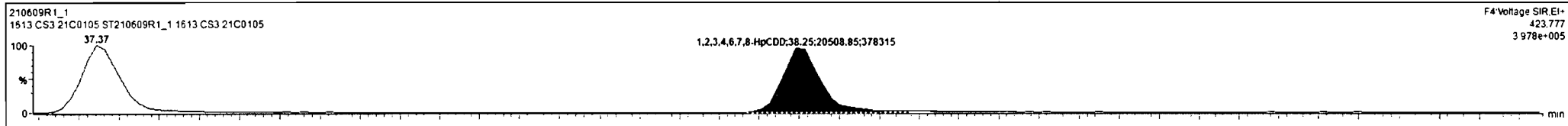
210609R1_1



210609R1_1



#	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	2.19e4	2.55e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.4	96.9	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.8524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.05e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	96.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



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OCDD

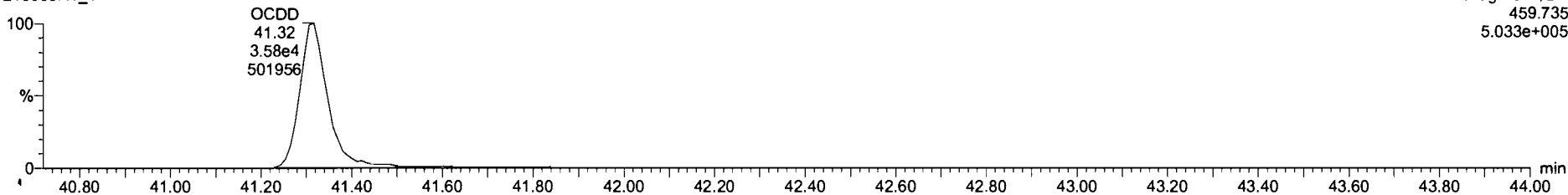
210609R1_1

F5:Voltage SIR,EI+
457.738
4.228e+005



210609R1_1

F5:Voltage SIR,EI+
459.735
5.033e+005



13C-OCDD.

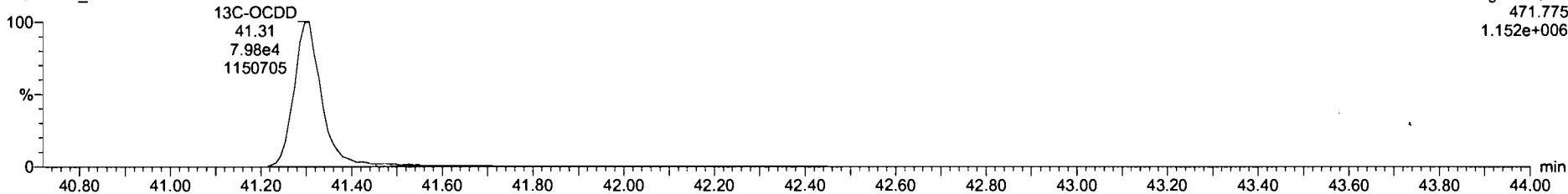
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F5:Voltage SIR,EI+
469.778
9.997e+005

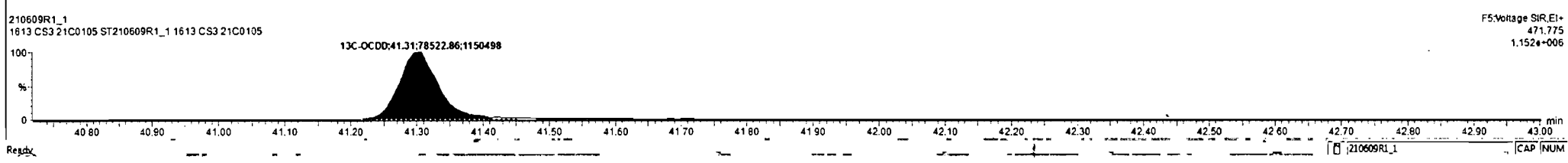
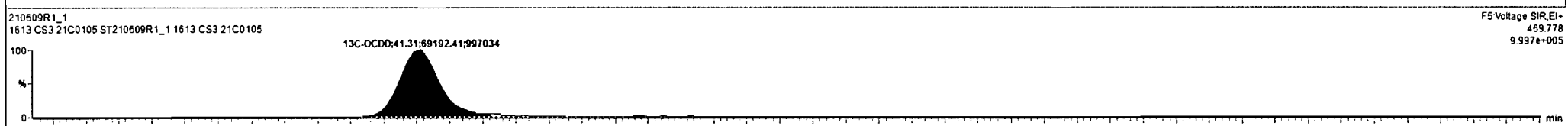
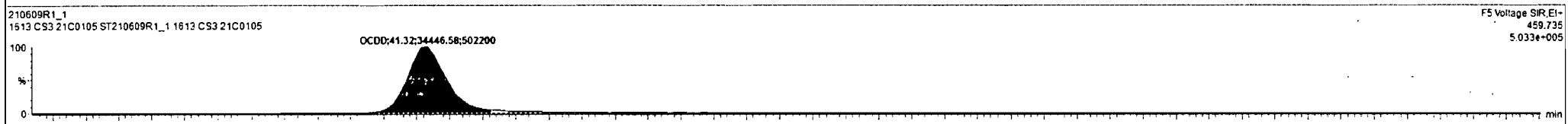
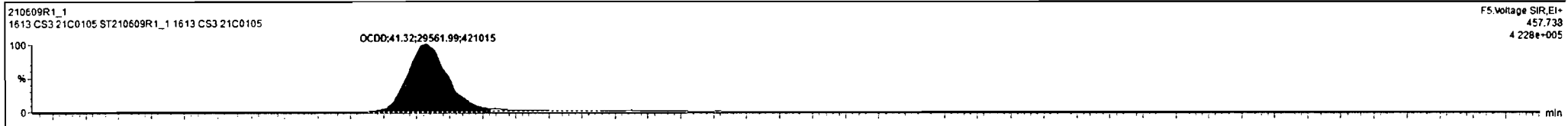


210609R1_1

F5:Voltage SIR,EI+
471.775
1.152e+006



#	Name	Reso	IS Resp	Pred RA	RA	nY	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.2	102	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.67	34.68	NO	1.000	1.001	45.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	36.25	36.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	1,2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.8202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	49.8	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0461	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	6.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

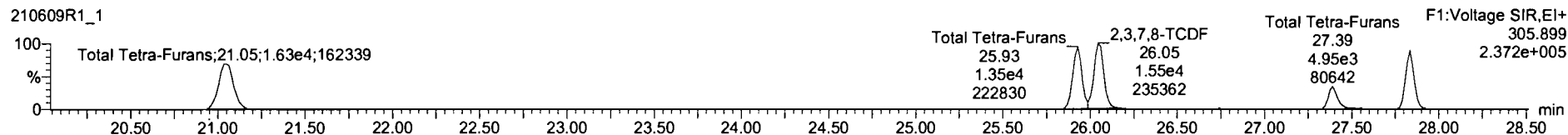
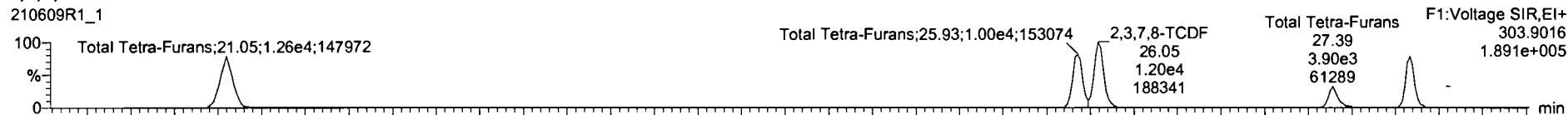


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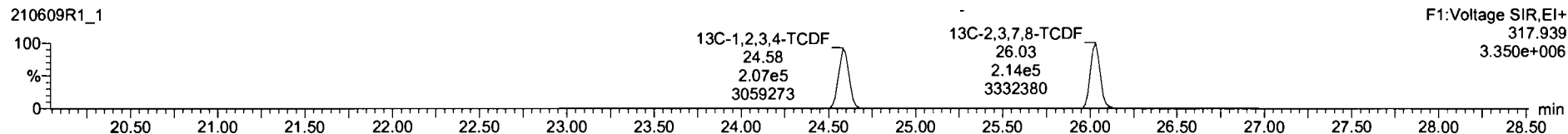
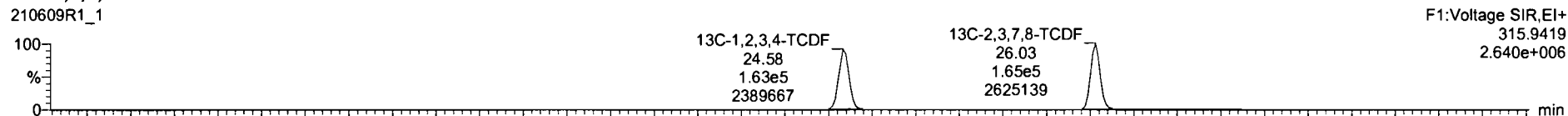
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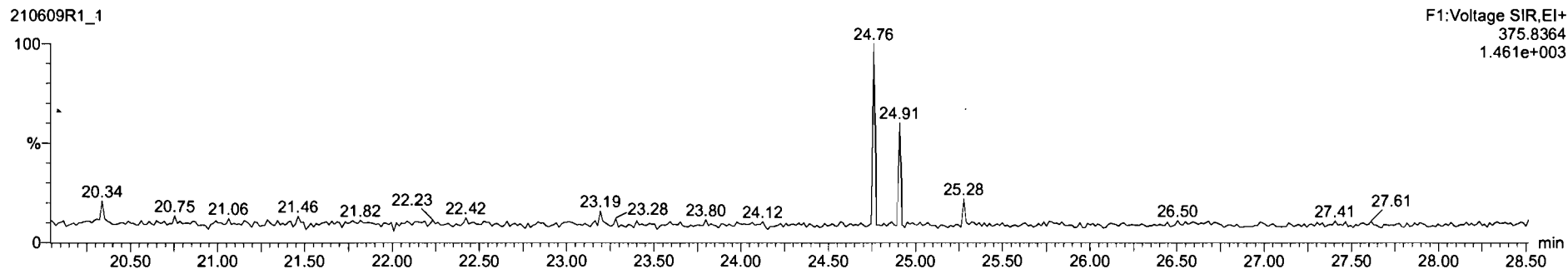
2,3,7,8-TCDF



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



DPE1



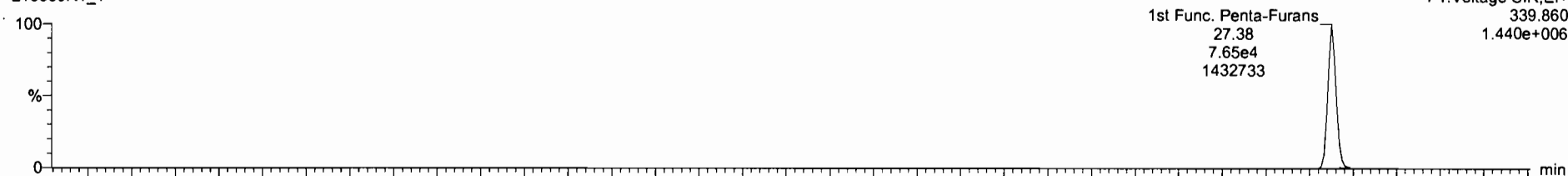
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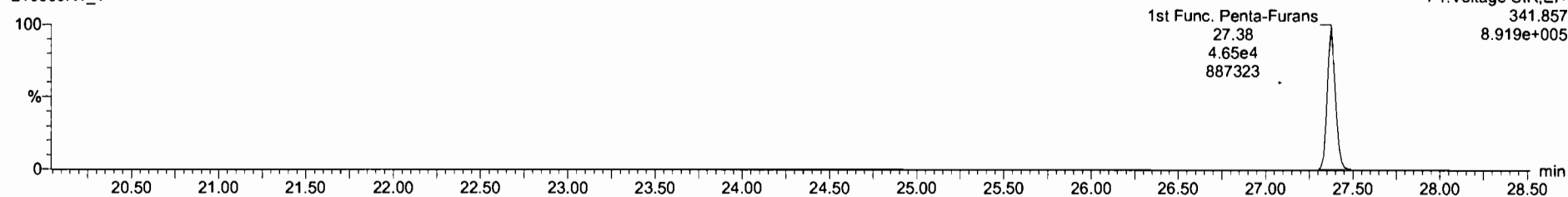
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1st Func. Penta-Furans

210609R1_1

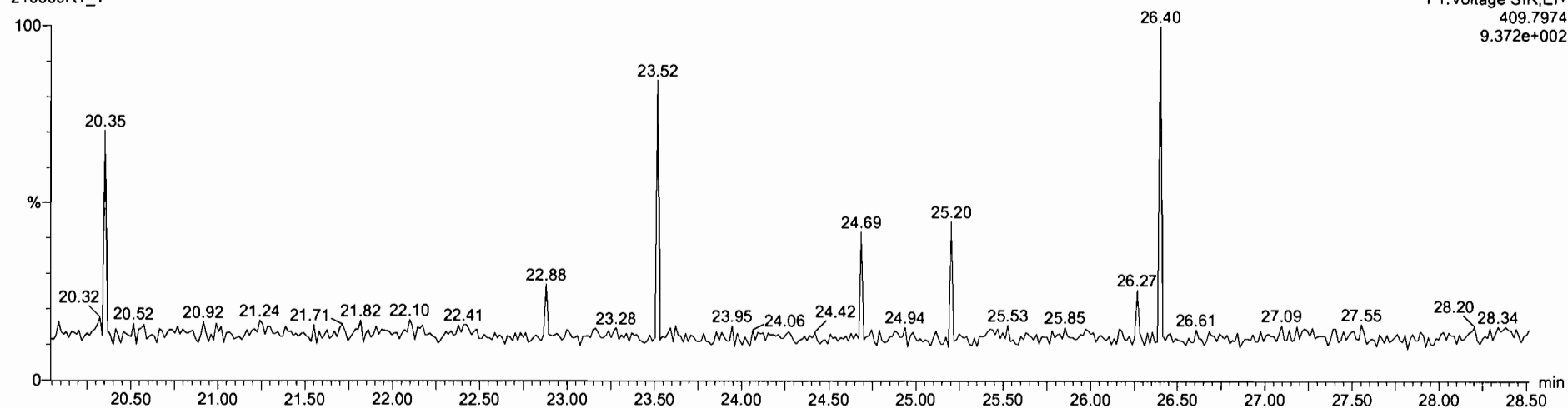


210609R1_1



DPE6

210609R1_1



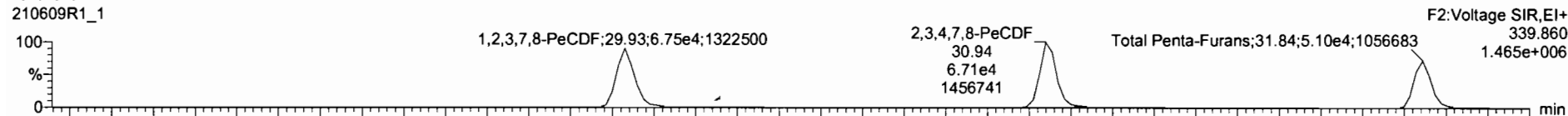
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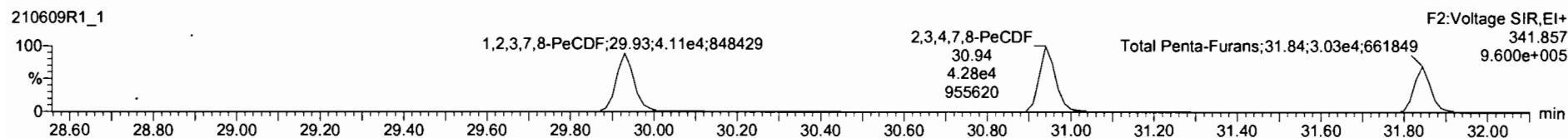
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1,2,3,7,8-PeCDF

210609R1_1

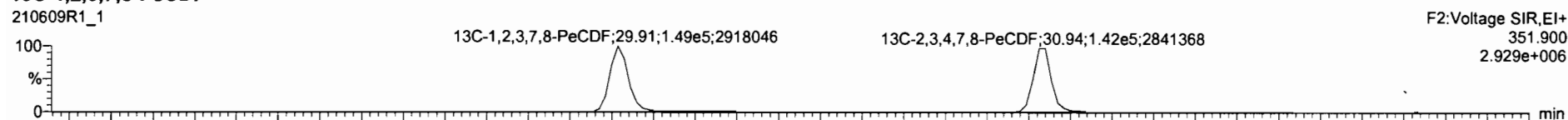


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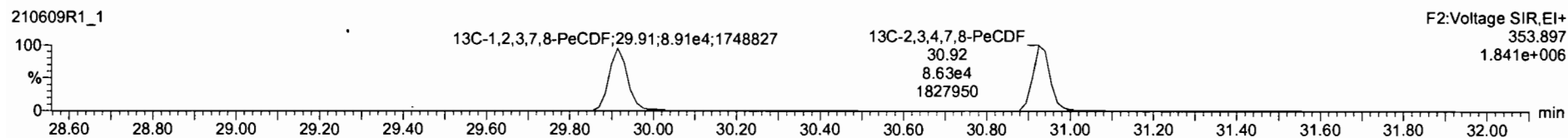


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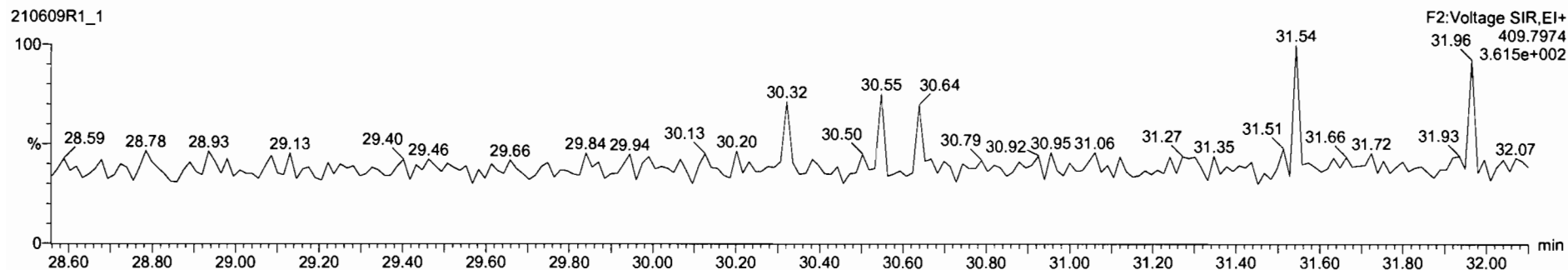


210609R1_1

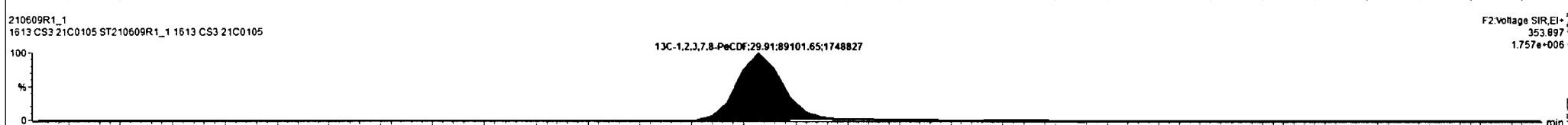
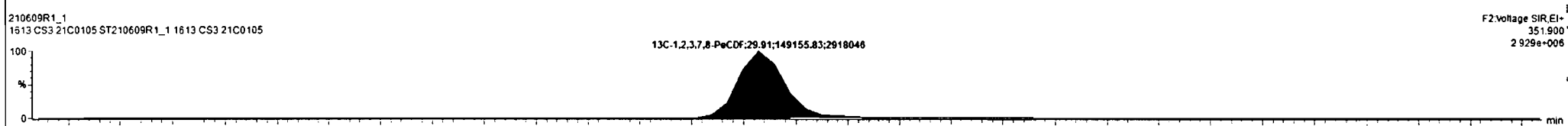
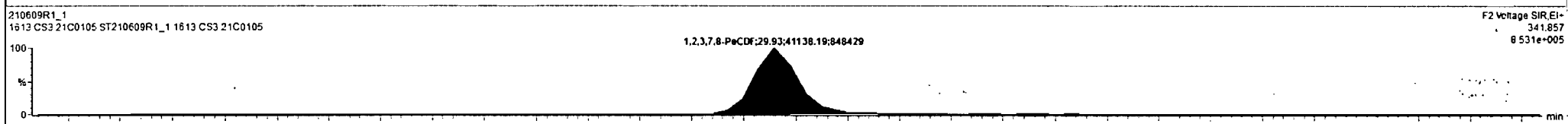
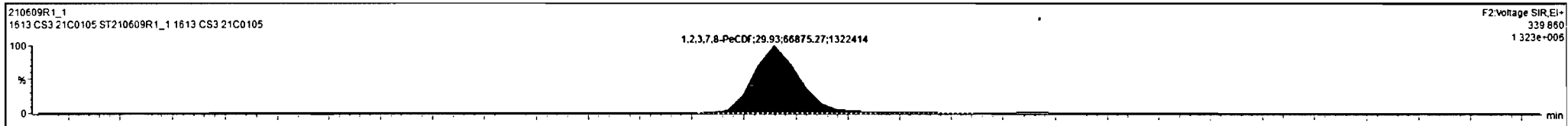


DPE2

210609R1_1



#	Name	Resp	IS Resp	Pred RA	RA	nY	RRF	Pred RT	RT	RT Flag	Pred RRT	r RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	29.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	102	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	28.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.83	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.8202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

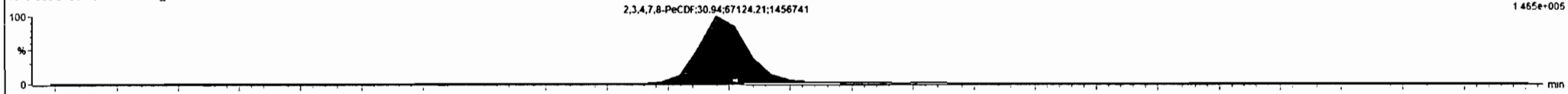


Results 210609R1_1 [CAP] [NUM]

#	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	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.2257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.84e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

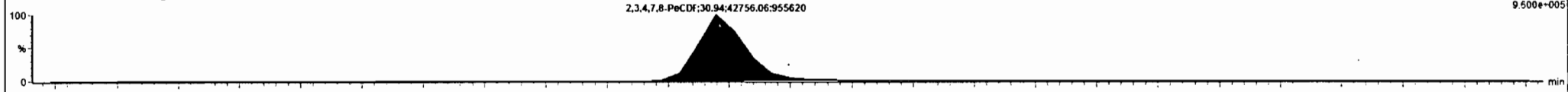
210609R1_1
1613 CS3 21C0105 ST210609R1_1 1613 CS3 21C0105

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1.465e+005



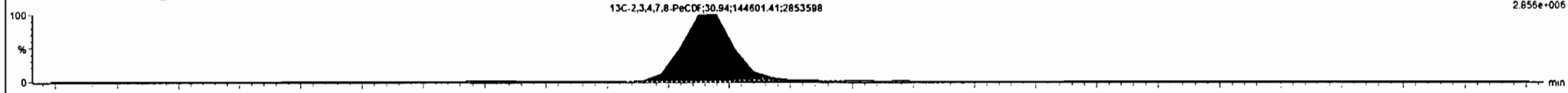
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F2:Voltage SIR.EI+
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9.600e+005



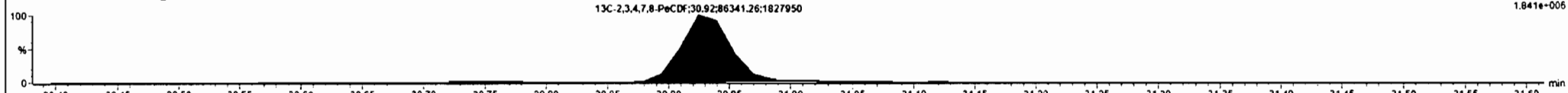
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F2:Voltage SIR.EI+
351.900
2.856e+005



210609R1_1
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F2:Voltage SIR.EI+
353.897
1.841e+005



Ready

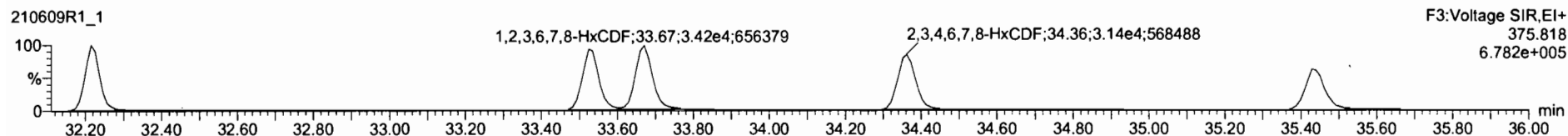
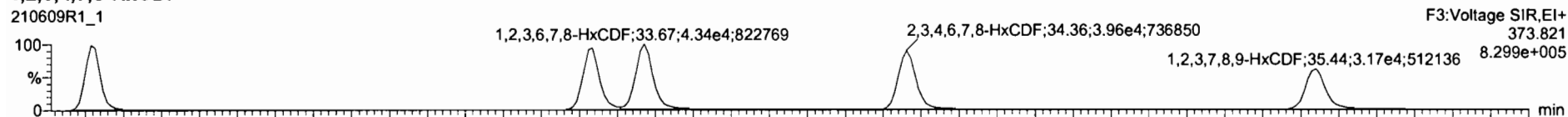
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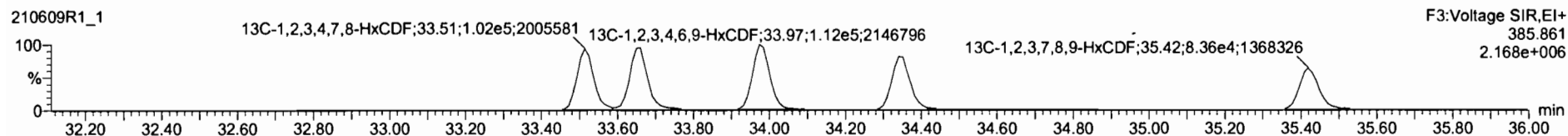
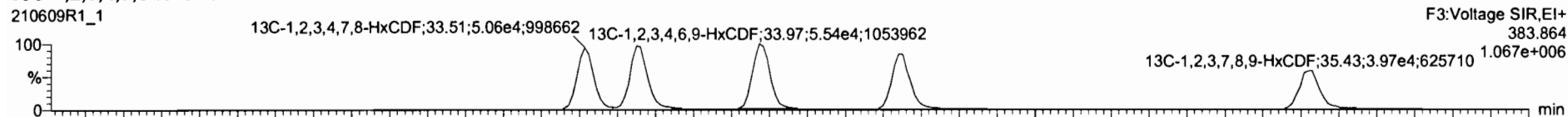
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

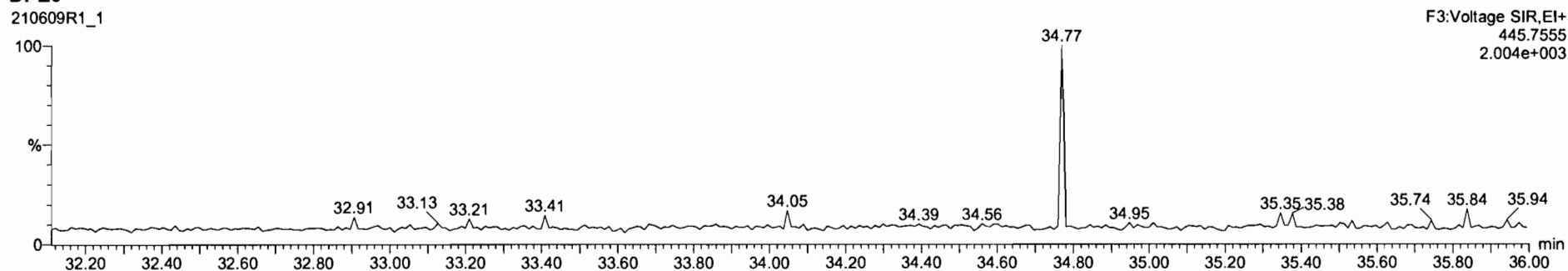
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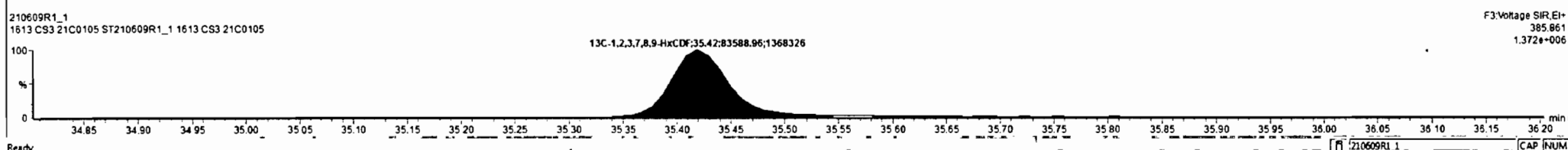
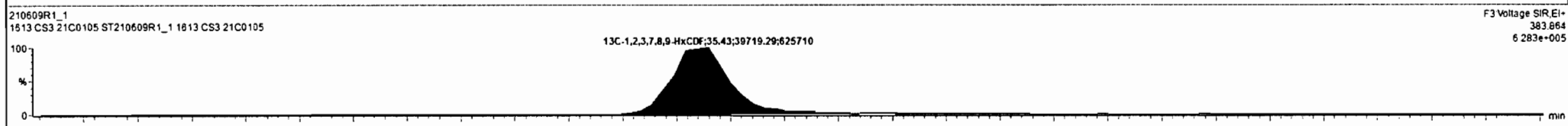
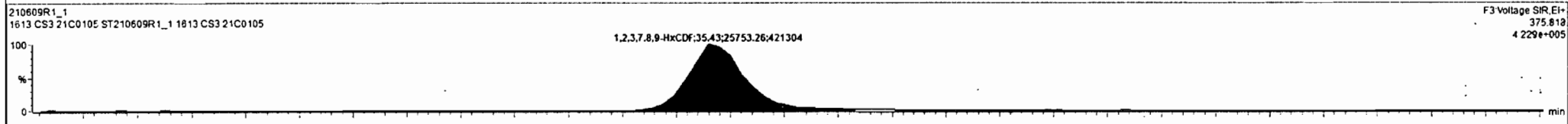
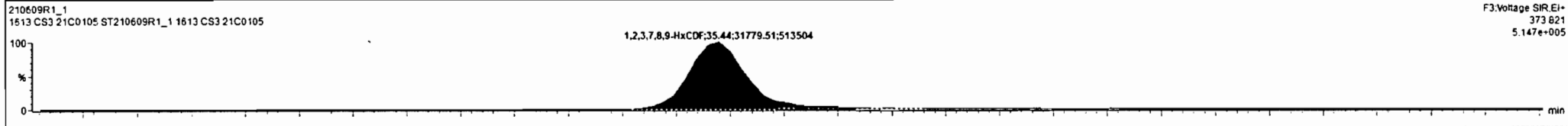
13C-1,2,3,4,7,8-HxCDF



DPE3



#	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	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.25	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8967	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.42e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7468	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.75e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

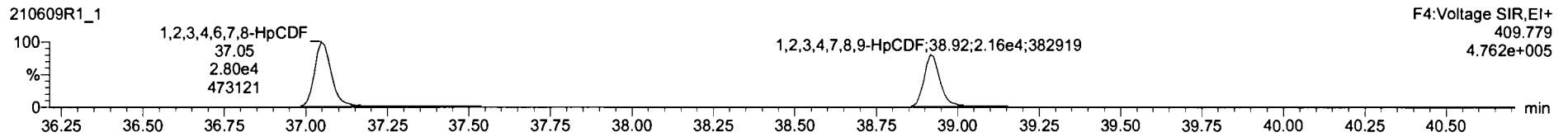
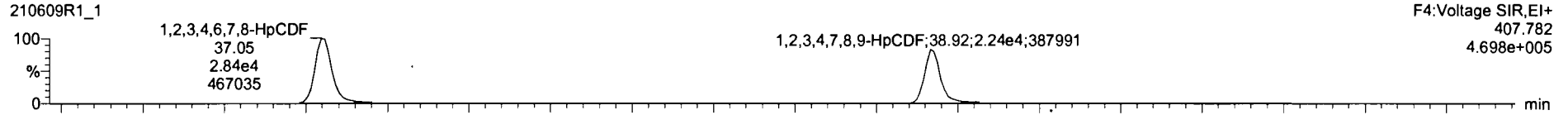


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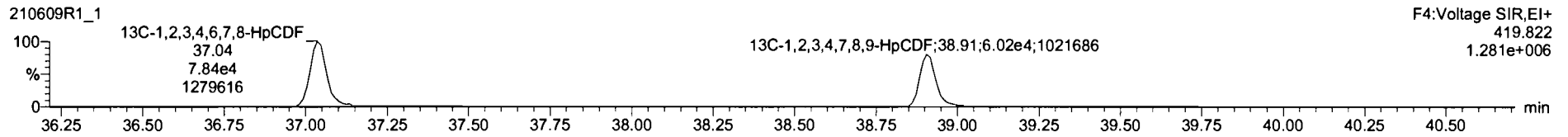
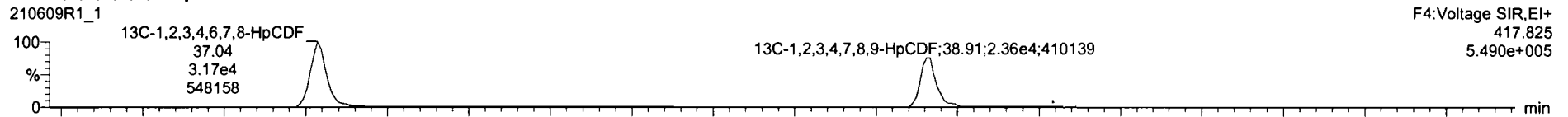
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

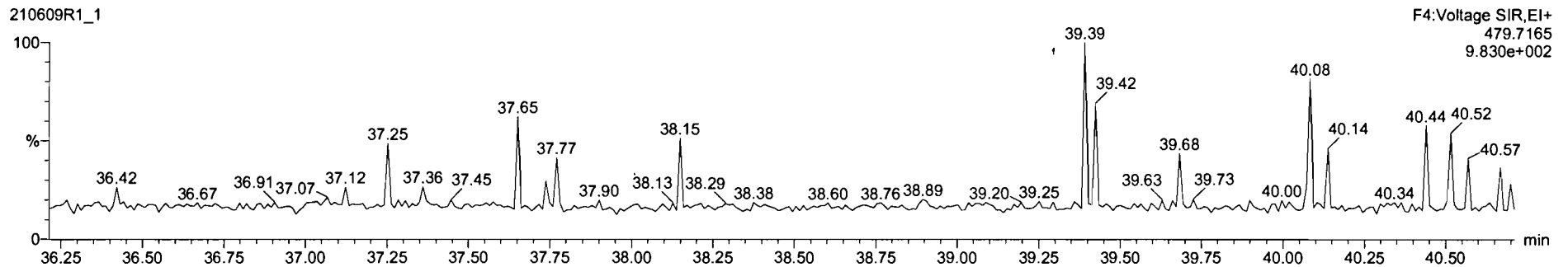
1,2,3,4,6,7,8-HpCDF



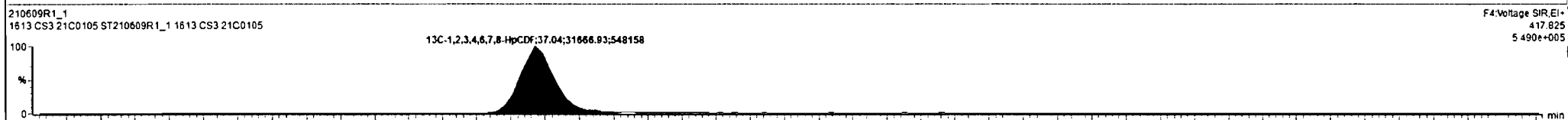
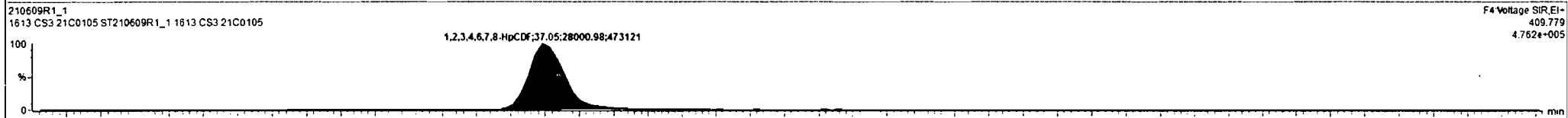
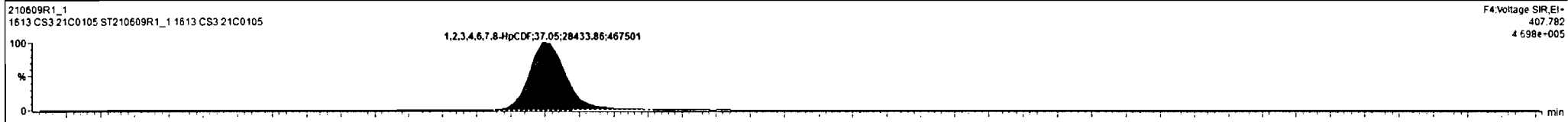
13C-1,2,3,4,6,7,8-HpCDF



DPE4

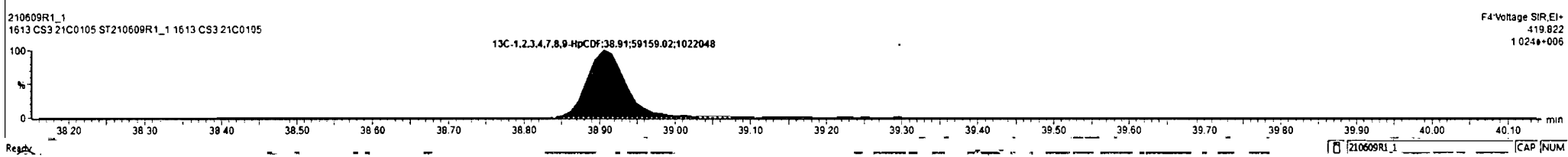
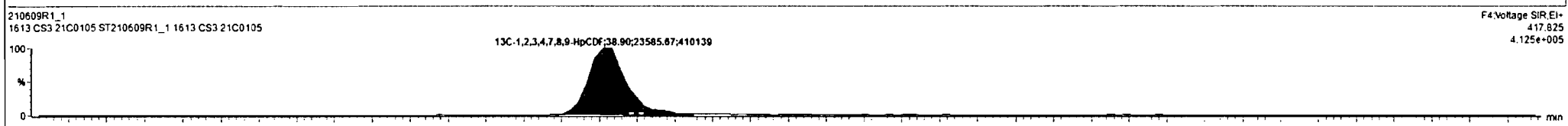
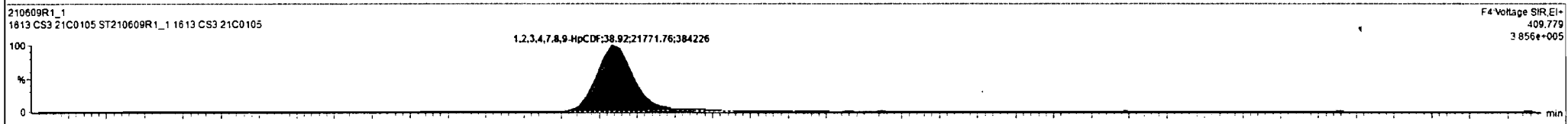
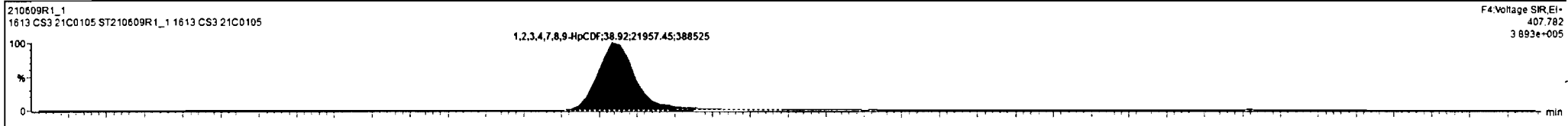


#	Name	Resp	S Resp	Pred RA	RA	iv	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.6257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.80	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.6739	34.87	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.6524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.6771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.5202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.75e4	1.22e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.08e5	1.04	1.02	NO	1.0481	37.05	37.05	NO	1.000	1.000	49.8	99.6	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



210609R1_1 1613 CS3 21C0105 ST210609R1_1 1613 CS3 21C0105

#	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	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.83	0.81	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8927	38.25	38.25	NO	1.000	1.000	45.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.75e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.08e5	1.04	1.02	NO	1.0481	37.05	37.05	NO	1.000	1.000	49.8	99.6	NO
16	1,2,3,4,7,8,9-HpCDF	4.37e4	8.27e4	1.04	1.01	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.6	101	NO

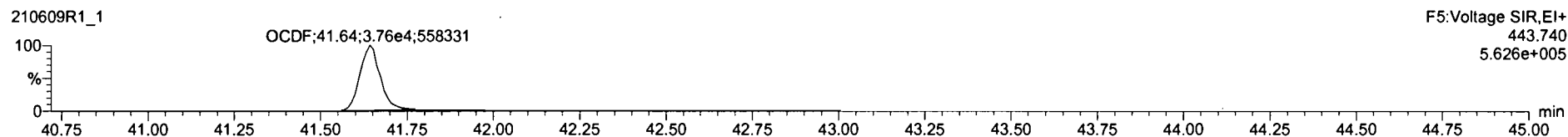
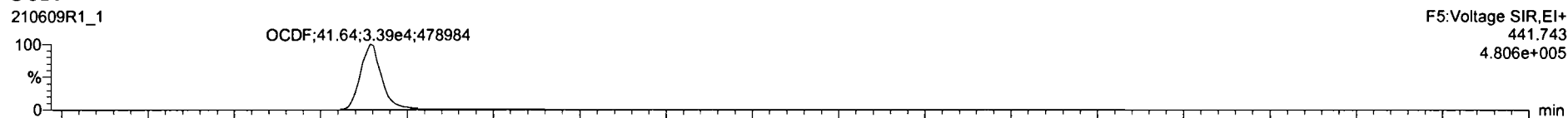


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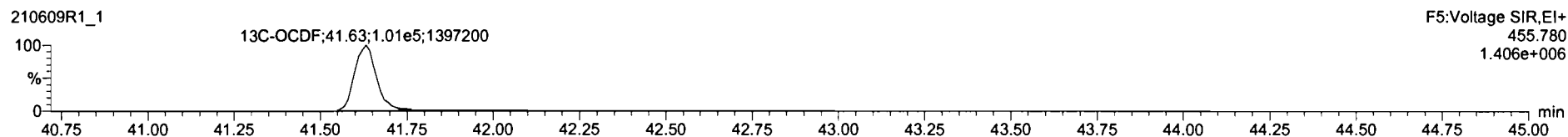
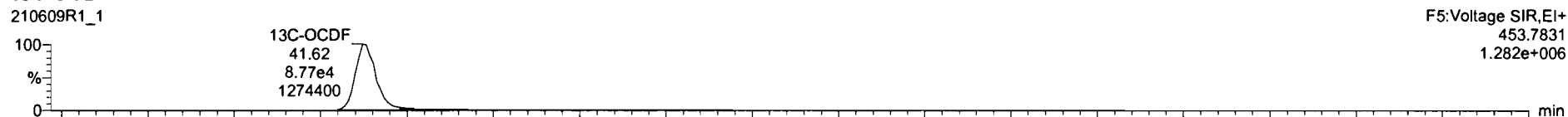
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

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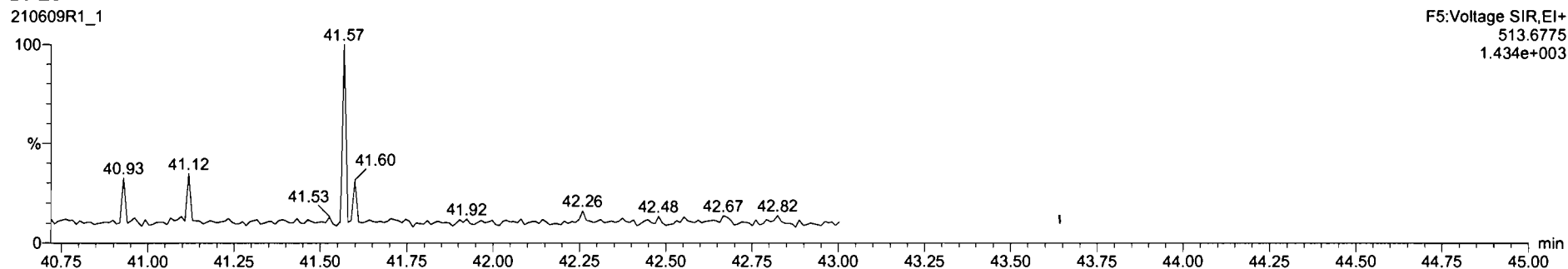
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13C-OCDF



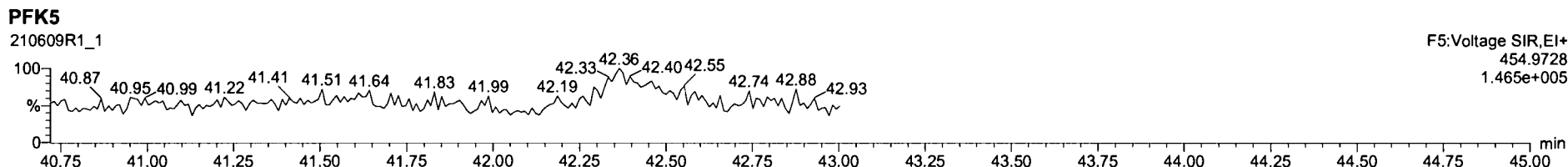
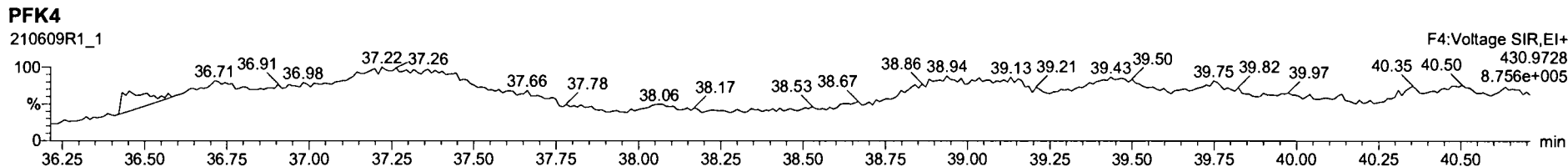
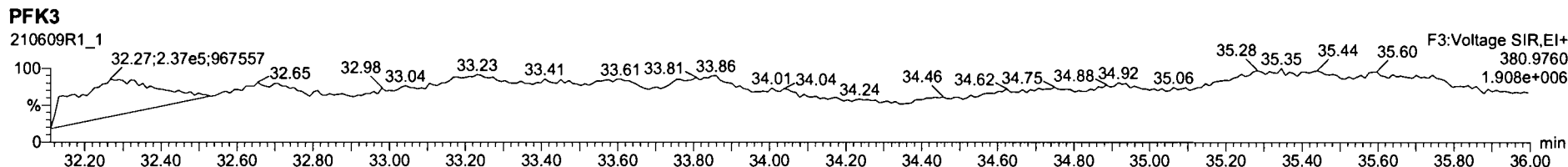
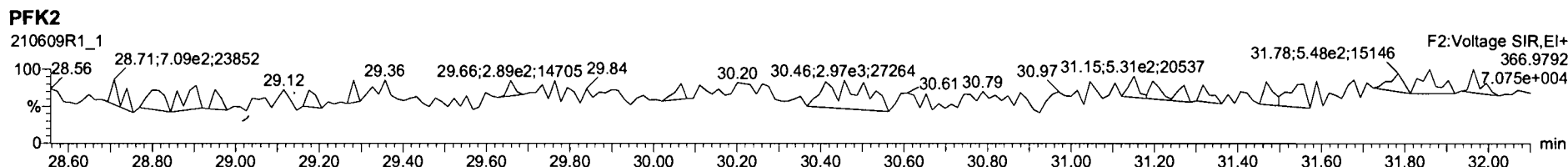
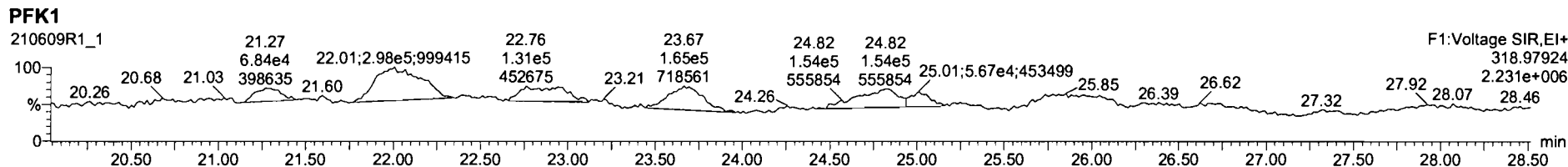
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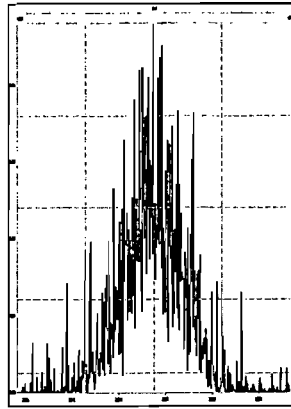
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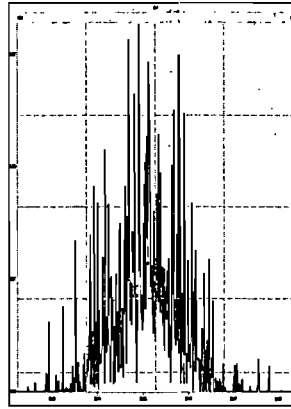


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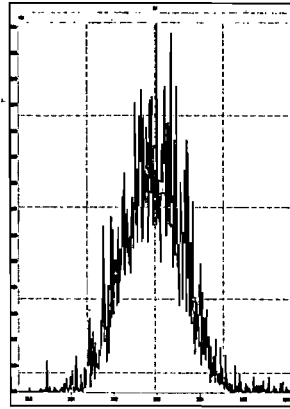
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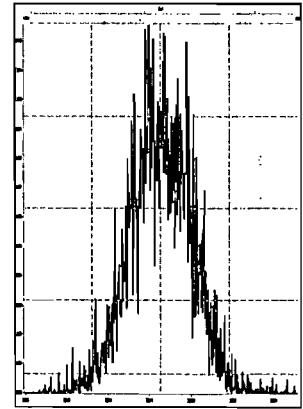
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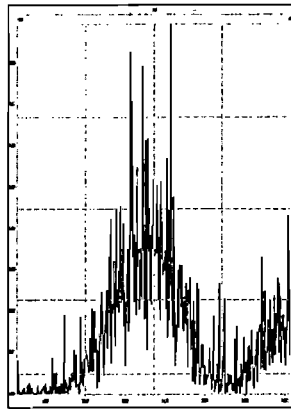
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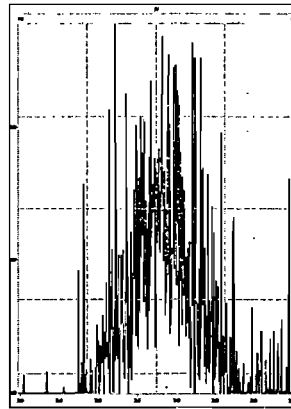
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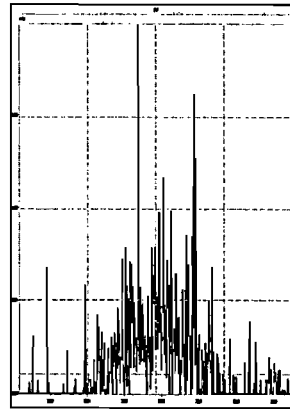
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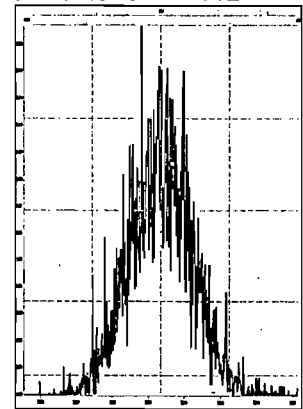
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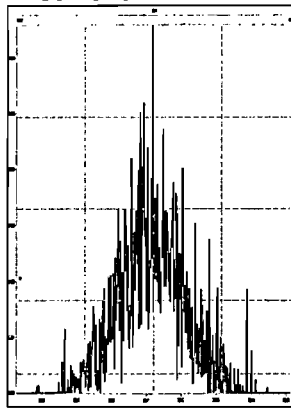
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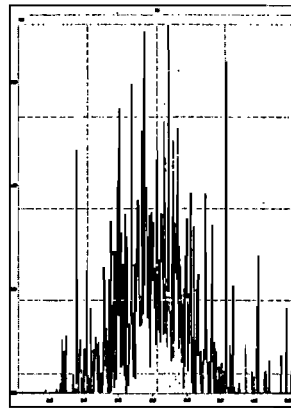
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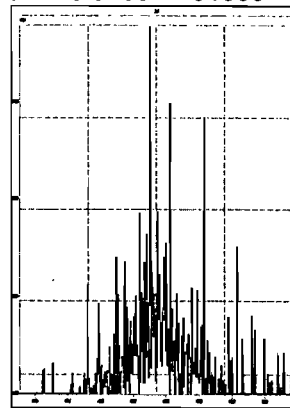
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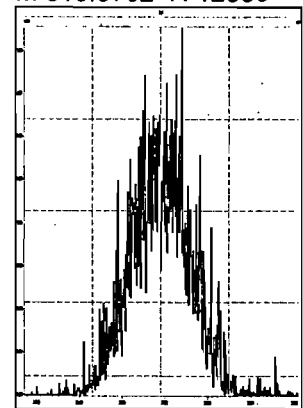
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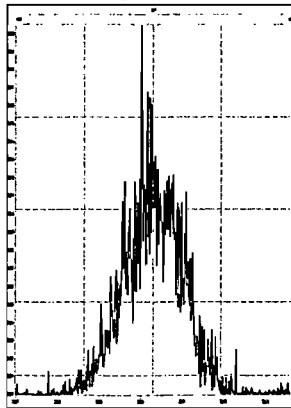
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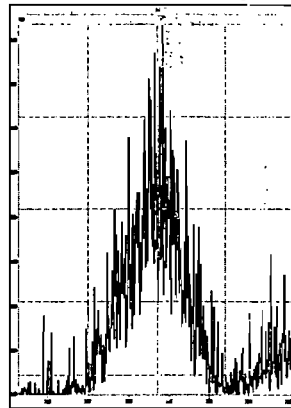
M 318.9792 R 12559



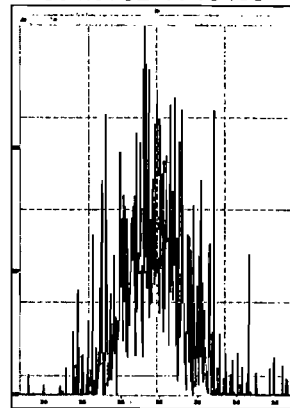
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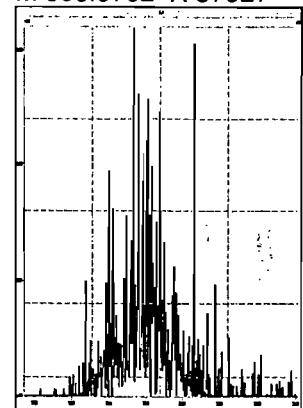
M 342.9792 R 12167



M 354.9792 R 18403

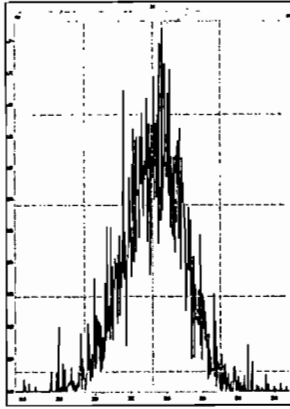


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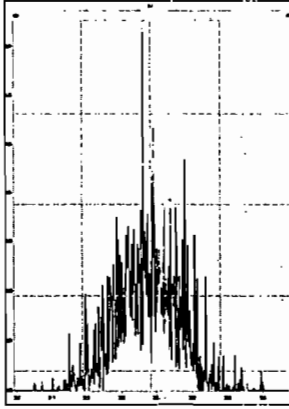


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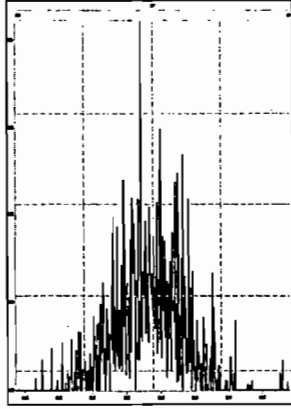
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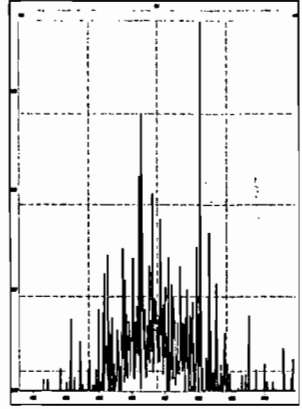
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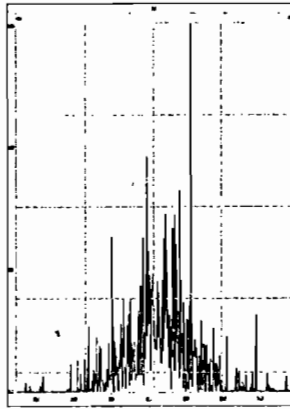
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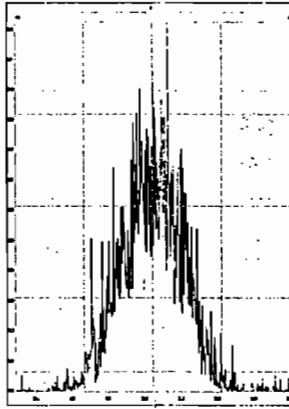
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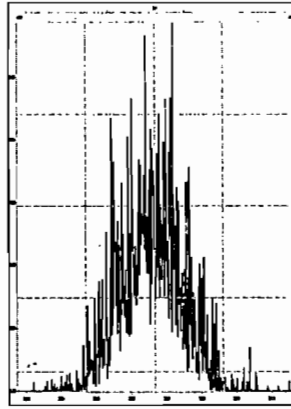
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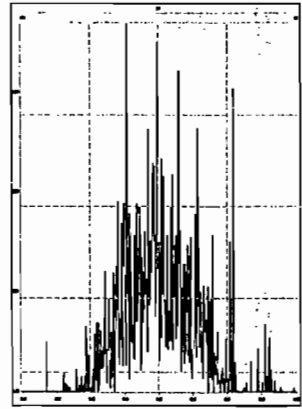
M 380.9760 R 11878



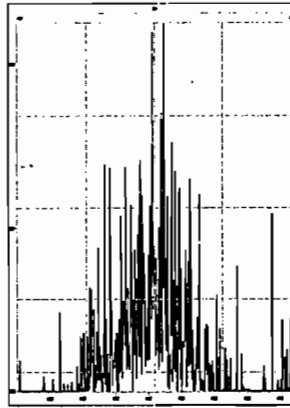
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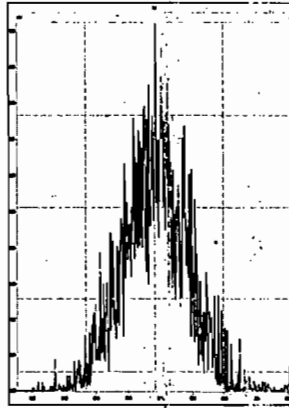
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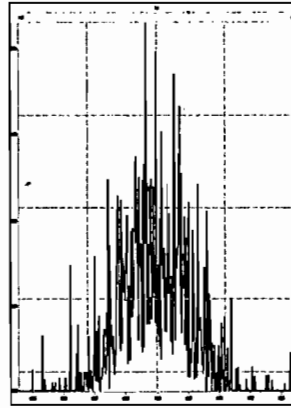
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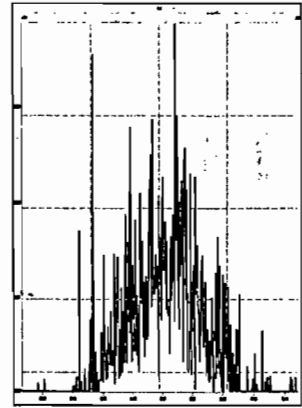
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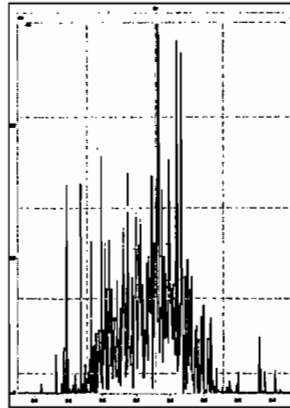
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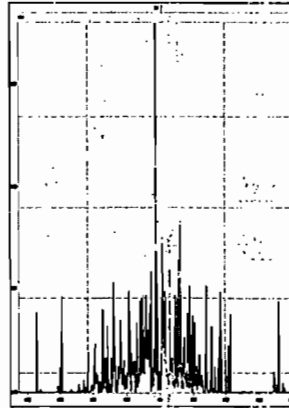
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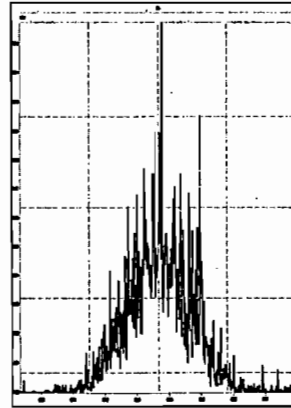
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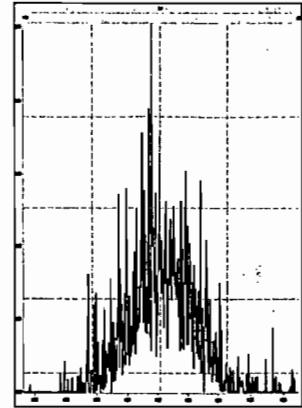
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M 430.9728 R 11975

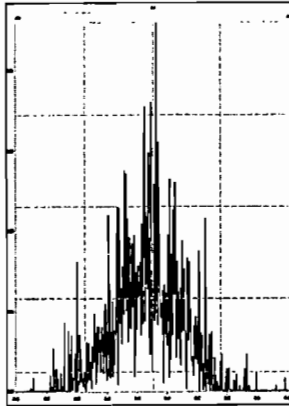


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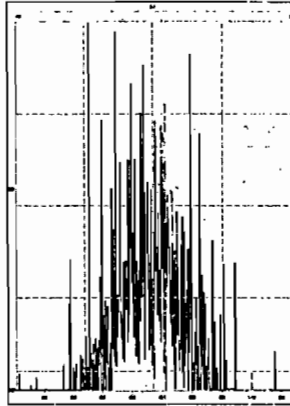


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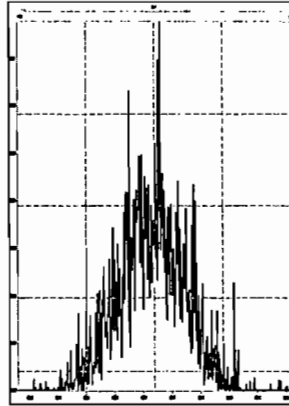
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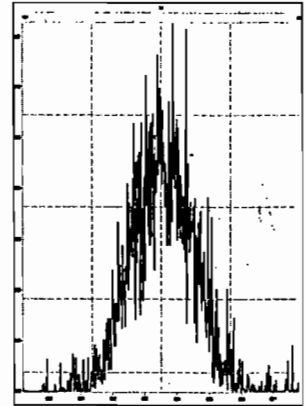
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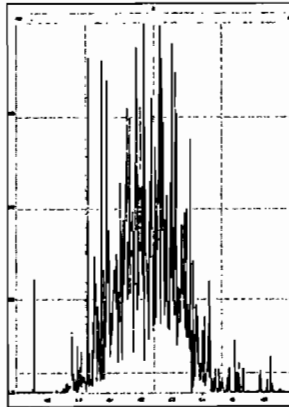
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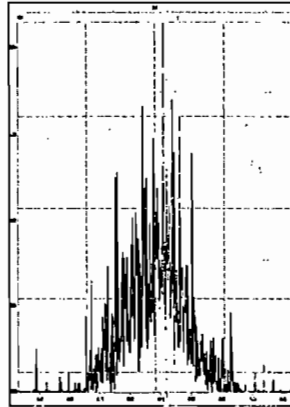
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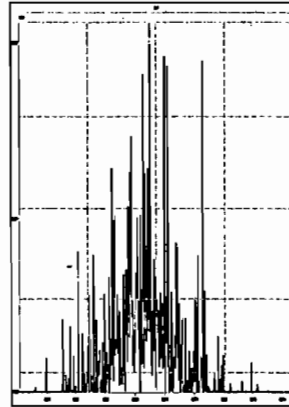
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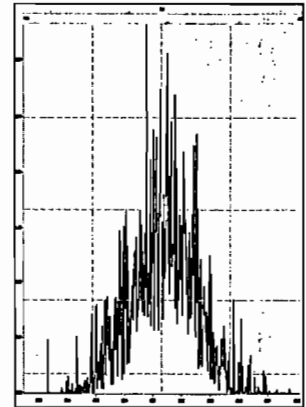
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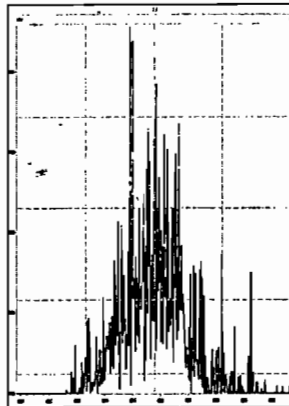
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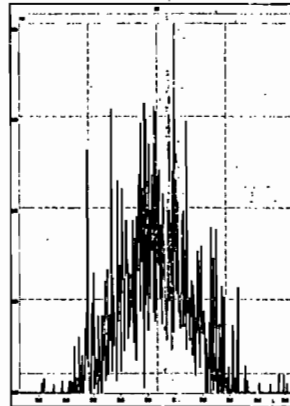
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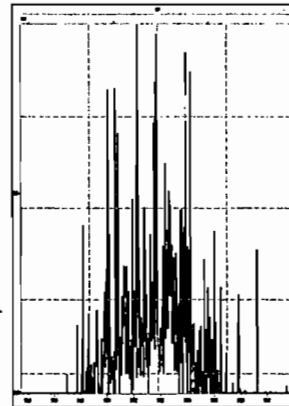
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M 504.9696 R 16968



M 516.9697 R 45048



INITIAL CALIBRATION

Dataset: U:\VG7.PRO\Results\210408D1\210408D1-CRV.qld

Last Altered: Friday, April 09, 2021 07:54:40 Pacific Daylight Time

Printed: Friday, April 09, 2021 14:24:20 Pacific Daylight Time

HZ 4.9.2021
OC 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_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Compound name: 2,3,7,8-TCDD

Response Factor: 1.04781

RRF SD: 0.126208, Relative SD: 12.0449

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 210408D1_1	0.250	0.88	NO	27.06	1.001	4.27e2	1.42e5	0.287	14.8	1.20	MM
2 210408D1_2	0.500	0.78	NO	27.06	1.001	7.83e2	1.51e5	0.496	-0.8	1.04	MM
3 210408D1_3	2.00	0.72	NO	27.08	1.001	2.56e3	1.47e5	1.66	-17.0	0.869	MM
4 210408D1_4	10.0	0.77	NO	27.09	1.001	1.12e4	1.19e5	8.96	-10.4	0.939	bb
5 210408D1_5	40.0	0.80	NO	27.06	1.001	6.05e4	1.39e5	41.5	3.6	1.09	bb
6 210408D1_6	300	0.80	NO	27.08	1.001	4.13e5	1.20e5	329	9.8	1.15	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.881285

RRF SD: 0.100292, Relative SD: 11.3802

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 210408D1_1	1.25	0.65	NO	31.21	1.001	1.21e3	1.07e5	1.28	2.6	0.904	db
2 210408D1_2	2.50	0.62	NO	31.21	1.000	2.49e3	1.18e5	2.40	-4.2	0.845	MM
3 210408D1_3	10.0	0.59	NO	31.23	1.001	8.07e3	1.10e5	8.32	-16.8	0.733	db
4 210408D1_4	50.0	0.60	NO	31.25	1.000	3.65e4	8.84e4	46.9	-6.2	0.827	bb
5 210408D1_5	200	0.61	NO	31.21	1.001	2.18e5	1.11e5	223	11.4	0.982	bb
6 210408D1_6	1500	0.62	NO	31.23	1.001	1.47e6	9.84e4	1700	13.2	0.997	bb

Dataset: U:\VG7.PRO\Results\210408D1\210408D1-CRV.qld

Last Altered: Friday, April 09, 2021 07:54:40 Pacific Daylight Time

Printed: Friday, April 09, 2021 14:24:20 Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.14289

RRF SD: 0.119907, Relative SD: 10.4916

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	210408D1_1	1.25	1.32	NO	34.69	1.001	1.14e3	8.27e4	1.21	-3.1	1.11	MM
2	210408D1_2	2.50	1.21	NO	34.67	1.000	2.53e3	8.83e4	2.51	0.4	1.15	MM
3	210408D1_3	10.0	1.33	NO	34.70	1.000	7.87e3	8.10e4	8.50	-15.0	0.972	dd
4	210408D1_4	50.0	1.30	NO	34.69	1.001	3.57e4	6.64e4	47.1	-5.9	1.08	dd
5	210408D1_5	200	1.29	NO	34.71	1.001	2.09e5	8.27e4	221	10.6	1.26	bd
6	210408D1_6	1500	1.26	NO	34.69	1.001	1.48e6	7.66e4	1700	13.1	1.29	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.01079

RRF SD: 0.115255, Relative SD: 11.4024

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	210408D1_1	1.25	1.37	NO	34.82	1.001	1.15e3	9.49e4	1.20	-3.9	0.972	MM
2	210408D1_2	2.50	1.24	NO	34.81	1.000	2.36e3	9.75e4	2.40	-4.0	0.970	db
3	210408D1_3	10.0	1.25	NO	34.84	1.000	7.83e3	8.95e4	8.65	-13.5	0.874	db
4	210408D1_4	50.0	1.22	NO	34.82	1.000	3.55e4	7.49e4	46.9	-6.2	0.949	db
5	210408D1_5	200	1.25	NO	34.84	1.000	2.04e5	9.10e4	222	10.9	1.12	db
6	210408D1_6	1500	1.27	NO	34.81	1.000	1.46e6	8.27e4	1750	16.7	1.18	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.01937

RRF SD: 0.118453, Relative SD: 11.6201

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	210408D1_1	1.25	1.36	NO	35.13	1.001	1.12e3	9.05e4	1.21	-2.9	0.990	MM
2	210408D1_2	2.50	1.29	NO	35.13	1.000	2.27e3	9.79e4	2.27	-9.1	0.927	MM

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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	210408D1_3	10.0	1.23	NO	35.15	1.000	8.22e3	9.20e4	8.77	-12.3	0.894	bb
4	210408D1_4	50.0	1.28	NO	35.13	1.000	3.56e4	7.31e4	47.8	-4.4	0.975	bb
5	210408D1_5	200	1.27	NO	35.15	1.000	2.08e5	9.05e4	226	12.8	1.15	bb
6	210408D1_6	1500	1.26	NO	35.13	1.001	1.50e6	8.47e4	1740	15.8	1.18	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 1.06502

RRF SD: 0.107328, Relative SD: 10.0775

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	210408D1_1	1.25	1.02	NO	38.63	1.000	9.55e2	7.20e4	1.24	-0.4	1.06	MM
2	210408D1_2	2.50	1.09	NO	38.49	1.001	2.15e3	8.55e4	2.36	-5.7	1.00	bb
3	210408D1_3	10.0	1.00	NO	38.59	1.001	6.73e3	7.26e4	8.71	-12.9	0.928	MM
4	210408D1_4	50.0	1.03	NO	38.58	1.001	2.97e4	5.83e4	47.8	-4.4	1.02	bb
5	210408D1_5	200	1.05	NO	38.51	1.000	1.73e5	7.44e4	218	9.2	1.16	bb
6	210408D1_6	1500	1.05	NO	38.54	1.000	1.27e6	6.95e4	1710	14.3	1.22	bb

Compound name: OCDD

Response Factor: 1.00216

RRF SD: 0.101836, Relative SD: 10.1617

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	210408D1_1	2.50	0.87	NO	42.24	1.001	1.50e3	1.20e5	2.48	-0.7	0.995	MM
2	210408D1_2	5.00	0.95	NO	42.14	1.001	2.94e3	1.26e5	4.65	-7.0	0.932	MM
3	210408D1_3	20.0	0.92	NO	42.34	1.000	9.83e3	1.11e5	17.7	-11.7	0.885	bd
4	210408D1_4	100	0.92	NO	42.39	1.000	4.22e4	8.73e4	96.4	-3.6	0.966	bb
5	210408D1_5	400	0.87	NO	42.16	1.000	2.46e5	1.16e5	425	6.2	1.06	bb
6	210408D1_6	3000	0.89	NO	42.18	1.000	1.91e6	1.09e5	3500	16.7	1.17	bb

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Compound name: 2,3,7,8-TCDF

Response Factor: 0.863699

RRF SD: 0.0964992, Relative SD: 11.1728

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	210408D1_1	0.250	0.80	NO	26.49	1.001	4.18e2	2.20e5	0.220	-12.2	0.758	MM
2	210408D1_2	0.500	0.72	NO	26.48	1.001	9.99e2	2.32e5	0.499	-0.2	0.862	MM
3	210408D1_3	2.00	0.76	NO	26.51	1.001	3.46e3	2.24e5	1.79	-10.7	0.771	bb
4	210408D1_4	10.0	0.78	NO	26.51	1.001	1.51e4	1.78e5	9.85	-1.5	0.850	db
5	210408D1_5	40.0	0.76	NO	26.49	1.001	8.09e4	2.19e5	42.8	7.0	0.924	bb
6	210408D1_6	300	0.76	NO	26.49	1.001	5.44e5	1.79e5	353	17.6	1.02	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.948429

RRF SD: 0.115422, Relative SD: 12.1698

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	210408D1_1	1.25	1.59	NO	30.08	1.001	1.75e3	1.62e5	1.14	-9.1	0.862	MM
2	210408D1_2	2.50	1.59	NO	30.08	1.000	4.02e3	1.74e5	2.44	-2.6	0.924	bb
3	210408D1_3	10.0	1.65	NO	30.10	1.001	1.30e4	1.61e5	8.50	-15.0	0.806	bb
4	210408D1_4	50.0	1.67	NO	30.10	1.001	5.90e4	1.27e5	48.8	-2.3	0.926	bb
5	210408D1_5	200	1.58	NO	30.08	1.001	3.41e5	1.59e5	227	13.3	1.07	bb
6	210408D1_6	1500	1.58	NO	30.10	1.001	2.30e6	1.40e5	1730	15.6	1.10	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.03773

RRF SD: 0.148071, Relative SD: 14.2688

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	210408D1_1	1.25	1.44	NO	31.03	1.000	2.06e3	1.62e5	1.23	-1.9	1.02	MM
2	210408D1_2	2.50	1.53	NO	31.05	1.001	3.83e3	1.69e5	2.18	-12.9	0.904	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	210408D1_3	10.0	1.51	NO	31.05	1.001	1.40e4	1.60e5	8.42	-15.8	0.874	bb
4	210408D1_4	50.0	1.65	NO	31.09	1.001	6.35e4	1.27e5	48.2	-3.6	1.00	bb
5	210408D1_5	200	1.62	NO	31.03	1.000	3.65e5	1.50e5	234	17.1	1.22	bb
6	210408D1_6	1500	1.60	NO	31.05	1.001	2.53e6	1.39e5	1760	17.1	1.22	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.043

RRF SD: 0.0977631, Relative SD: 9.37325

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	210408D1_1	1.25	1.27	NO	33.70	1.001	1.56e3	1.26e5	1.19	-5.0	0.990	bd
2	210408D1_2	2.50	1.28	NO	33.69	1.000	3.48e3	1.38e5	2.41	-3.6	1.01	MM
3	210408D1_3	10.0	1.25	NO	33.69	1.000	1.19e4	1.29e5	8.85	-11.5	0.923	bd
4	210408D1_4	50.0	1.25	NO	33.69	1.000	5.27e4	1.04e5	48.7	-2.7	1.02	bd
5	210408D1_5	200	1.24	NO	33.69	1.001	2.93e5	1.27e5	221	10.5	1.15	bd
6	210408D1_6	1500	1.22	NO	33.70	1.000	2.01e6	1.15e5	1690	12.3	1.17	dd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.07422

RRF SD: 0.100505, Relative SD: 9.35605

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	210408D1_1	1.25	1.22	NO	33.83	1.000	1.70e3	1.35e5	1.18	-6.0	1.01	db
2	210408D1_2	2.50	1.26	NO	33.83	1.001	3.62e3	1.43e5	2.36	-5.4	1.02	MM
3	210408D1_3	10.0	1.23	NO	33.84	1.000	1.26e4	1.30e5	9.05	-9.5	0.973	db
4	210408D1_4	50.0	1.22	NO	33.84	1.001	5.56e4	1.06e5	48.7	-2.5	1.05	db
5	210408D1_5	200	1.25	NO	33.83	1.000	3.14e5	1.32e5	221	10.4	1.19	db
6	210408D1_6	1500	1.23	NO	33.85	1.001	2.13e6	1.17e5	1700	13.0	1.21	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.11712

RRF SD: 0.120058, Relative SD: 10.7471

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	:210408D1_1	1.25	1.31	NO	34.57	1.001	1.59e3	1.25e5	1.13	-9.3	1.01	MM
2	:210408D1_2	2.50	1.21	NO	34.56	1.001	3.57e3	1.29e5	2.48	-0.9	1.11	MM
3	:210408D1_3	10.0	1.23	NO	34.59	1.001	1.18e4	1.21e5	8.72	-12.8	0.975	bb
4	:210408D1_4	50.0	1.24	NO	34.56	1.001	5.30e4	9.69e4	48.9	-2.1	1.09	bb
5	:210408D1_5	200	1.22	NO	34.58	1.000	2.94e5	1.19e5	221	10.7	1.24	bb
6	:210408D1_6	1500	1.22	NO	34.58	1.001	2.03e6	1.06e5	1720	14.4	1.28	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.09872

RRF SD: 0.096484, Relative SD: 8.78148

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	:210408D1_1	1.25	1.19	NO	35.71	1.001	1.52e3	1.09e5	1.27	1.8	1.12	MM
2	:210408D1_2	2.50	1.26	NO	35.69	1.001	3.15e3	1.21e5	2.38	-5.0	1.04	MM
3	:210408D1_3	10.0	1.26	NO	35.73	1.000	1.05e4	1.09e5	8.76	-12.4	0.962	bb
4	:210408D1_4	50.0	1.22	NO	35.69	1.001	4.59e4	8.67e4	48.2	-3.7	1.06	bb
5	:210408D1_5	200	1.25	NO	35.72	1.000	2.60e5	1.09e5	216	8.2	1.19	bb
6	:210408D1_6	1500	1.23	NO	35.69	1.001	1.79e6	9.77e4	1670	11.0	1.22	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.15992

RRF SD: 0.132948, Relative SD: 11.4619

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	:210408D1_1	1.25	1.06	NO	37.28	1.000	1.31e3	9.30e4	1.21	-3.2	1.12	MM
2	:210408D1_2	2.50	1.06	NO	37.25	1.000	2.80e3	1.04e5	2.32	-7.1	1.08	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	210408D1_3	10.0	1.07	NO	37.31	1.000	9.36e3	9.20e4	8.77	-12.3	1.02	bb
4	210408D1_4	50.0	1.03	NO	37.29	1.001	4.11e4	7.46e4	47.4	-5.2	1.10	bb
5	210408D1_5	200	1.02	NO	37.28	1.000	2.36e5	9.26e4	220	9.8	1.27	bb
6	210408D1_6	1500	1.02	NO	37.30	1.001	1.70e6	8.30e4	1770	18.0	1.37	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.18693

RRF SD: 0.12561, Relative SD: 10.5828

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	210408D1_1	1.25	1.13	NO	39.43	1.001	1.12e3	7.54e4	1.25	0.2	1.19	MM
2	210408D1_2	2.50	1.05	NO	39.25	1.001	2.43e3	8.59e4	2.39	-4.5	1.13	MM
3	210408D1_3	10.0	0.99	NO	39.35	1.001	8.02e3	7.71e4	8.76	-12.4	1.04	bb
4	210408D1_4	50.0	1.04	NO	39.37	1.001	3.42e4	6.24e4	46.2	-7.7	1.10	bb
5	210408D1_5	200	1.00	NO	39.25	1.000	2.04e5	7.92e4	217	8.3	1.28	bb
6	210408D1_6	1500	1.02	NO	39.27	1.000	1.46e6	7.07e4	1740	16.1	1.38	bb

Compound name: OCDF

Response Factor: 0.908617

RRF SD: 0.0987277, Relative SD: 10.8657

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	210408D1_1	2.50	0.90	NO	42.59	1.001	1.82e3	1.72e5	2.32	-7.1	0.844	MM
2	210408D1_2	5.00	0.89	NO	42.48	1.000	3.97e3	1.71e5	5.10	1.9	0.926	MM
3	210408D1_3	20.0	0.88	NO	42.67	1.000	1.26e4	1.57e5	17.6	-12.0	0.800	bb
4	210408D1_4	100	0.90	NO	42.72	1.000	5.31e4	1.26e5	92.5	-7.5	0.840	bb
5	210408D1_5	400	0.89	NO	42.51	1.000	3.14e5	1.59e5	434	8.5	0.986	bd
6	210408D1_6	3000	0.88	NO	42.57	1.000	2.34e6	1.48e5	3490	16.2	1.06	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.14528
 RRF SD: 0.0371114, Relative SD: 3.24037
 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	210408D1_1	100	0.79	NO	27.04	1.024	1.42e5	1.20e5	103	3.2	1.18	bb
2	210408D1_2	100	0.83	NO	27.04	1.024	1.51e5	1.36e5	96.7	-3.3	1.11	bb
3	210408D1_3	100	0.75	NO	27.06	1.024	1.47e5	1.29e5	99.8	-0.2	1.14	bb
4	210408D1_4	100	0.76	NO	27.08	1.025	1.19e5	1.04e5	100	-0.0	1.15	bb
5	210408D1_5	100	0.74	NO	27.04	1.024	1.39e5	1.26e5	96.2	-3.8	1.10	bb
6	210408D1_6	100	0.79	NO	27.06	1.025	1.20e5	1.00e5	104	4.1	1.19	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.886818
 RRF SD: 0.0484476, Relative SD: 5.46308
 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	210408D1_1	100	0.62	NO	31.19	1.181	1.07e5	1.20e5	101	0.5	0.891	bb
2	210408D1_2	100	0.62	NO	31.21	1.182	1.18e5	1.36e5	97.8	-2.2	0.867	bb
3	210408D1_3	100	0.61	NO	31.21	1.181	1.10e5	1.29e5	96.2	-3.8	0.853	bb
4	210408D1_4	100	0.61	NO	31.25	1.183	8.84e4	1.04e5	96.0	-4.0	0.852	bb
5	210408D1_5	100	0.60	NO	31.19	1.181	1.11e5	1.26e5	98.8	-1.2	0.877	bb
6	210408D1_6	100	0.61	NO	31.21	1.182	9.84e4	1.00e5	111	10.6	0.981	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.645267
 RRF SD: 0.0375751, Relative SD: 5.82319
 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	210408D1_1	100	1.29	NO	34.66	1.015	8.27e4	1.27e5	101	0.7	0.650	bd
2	210408D1_2	100	1.29	NO	34.66	1.015	8.83e4	1.41e5	97.2	-2.8	0.628	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	210408D1_3	100	1.28	NO	34.70	1.015	8.10e4	1.32e5	95.3	-4.7	0.615	bd
4	210408D1_4	100	1.28	NO	34.66	1.015	6.64e4	1.06e5	97.2	-2.8	0.627	bd
5	210408D1_5	100	1.26	NO	34.69	1.015	8.27e4	1.31e5	98.1	-1.9	0.633	bd
6	210408D1_6	100	1.30	NO	34.66	1.015	7.66e4	1.07e5	111	11.3	0.718	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.716532

RRF SD: 0.0366683, Relative SD: 5.11746

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	210408D1_1	100	1.33	NO	34.80	1.019	9.49e4	1.27e5	104	4.1	0.746	dd
2	210408D1_2	100	1.27	NO	34.80	1.019	9.75e4	1.41e5	96.7	-3.3	0.693	db
3	210408D1_3	100	1.25	NO	34.83	1.019	8.95e4	1.32e5	94.9	-5.1	0.680	db
4	210408D1_4	100	1.27	NO	34.81	1.019	7.49e4	1.06e5	98.8	-1.2	0.708	db
5	210408D1_5	100	1.32	NO	34.83	1.019	9.10e4	1.31e5	97.3	-2.7	0.697	db
6	210408D1_6	100	1.26	NO	34.80	1.018	8.27e4	1.07e5	108	8.2	0.776	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.713984

RRF SD: 0.0403019, Relative SD: 5.64465

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	210408D1_1	100	1.33	NO	35.09	1.027	9.05e4	1.27e5	99.6	-0.4	0.711	dd
2	210408D1_2	100	1.23	NO	35.11	1.029	9.79e4	1.41e5	97.4	-2.6	0.695	bb
3	210408D1_3	100	1.33	NO	35.14	1.028	9.20e4	1.32e5	97.8	-2.2	0.698	bb
4	210408D1_4	100	1.27	NO	35.11	1.028	7.31e4	1.06e5	96.8	-3.2	0.691	bb
5	210408D1_5	100	1.31	NO	35.14	1.028	9.05e4	1.31e5	97.1	-2.9	0.693	bb
6	210408D1_6	100	1.25	NO	35.10	1.027	8.47e4	1.07e5	111	11.3	0.795	bb

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

Response Factor: 0.583223

RRF SD: 0.0396778, Relative SD: 6.8032

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	210408D1_1	100	1.07	NO	38.62	1.131	7.20e4	1.27e5	97.1	-2.9	0.566	bd
2	210408D1_2	100	1.05	NO	38.47	1.127	8.55e4	1.41e5	104	4.1	0.607	bd
3	210408D1_3	100	1.04	NO	38.57	1.129	7.26e4	1.32e5	94.5	-5.5	0.551	bb
4	210408D1_4	100	1.04	NO	38.56	1.128	5.83e4	1.06e5	94.6	-5.4	0.552	bb
5	210408D1_5	100	1.04	NO	38.50	1.127	7.44e4	1.31e5	97.8	-2.2	0.570	bb
6	210408D1_6	100	1.08	NO	38.53	1.128	6.95e4	1.07e5	112	11.9	0.653	bd

Compound name: 13C-OCDD

Response Factor: 0.451337

RRF SD: 0.0358226, Relative SD: 7.937

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	210408D1_1	200	0.89	NO	42.20	1.235	1.20e5	1.27e5	209	4.6	0.472	bb
2	210408D1_2	200	0.88	NO	42.10	1.233	1.26e5	1.41e5	198	-0.8	0.448	bb
3	210408D1_3	200	0.88	NO	42.34	1.239	1.11e5	1.32e5	187	-6.6	0.422	bb
4	210408D1_4	200	0.90	NO	42.39	1.241	8.73e4	1.06e5	183	-8.5	0.413	bb
5	210408D1_5	200	0.88	NO	42.14	1.233	1.16e5	1.31e5	196	-1.9	0.443	bb
6	210408D1_6	200	0.93	NO	42.16	1.234	1.09e5	1.07e5	226	13.2	0.511	MM

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.09059

RRF SD: 0.0307934, Relative SD: 2.82355

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	210408D1_1	100	0.77	NO	26.46	1.002	2.20e5	1.98e5	102	1.9	1.11	bb
2	210408D1_2	100	0.75	NO	26.46	1.002	2.32e5	2.20e5	96.5	-3.5	1.05	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
210408D1_3	100	0.76	NO	26.49	1.003	2.24e5	2.03e5	101	1.3	1.11	bb
210408D1_4	100	0.78	NO	26.49	1.003	1.78e5	1.68e5	97.2	-2.8	1.06	bb
210408D1_5	100	0.77	NO	26.46	1.002	2.19e5	2.02e5	99.3	-0.7	1.08	bb
210408D1_6	100	0.74	NO	26.48	1.003	1.79e5	1.58e5	104	3.8	1.13	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.804615

RRF SD: 0.0435909, Relative SD: 5.41761

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
210408D1_1	100	1.65	NO	30.06	1.139	1.62e5	1.98e5	102	1.6	0.817	bb
210408D1_2	100	1.60	NO	30.08	1.139	1.74e5	2.20e5	98.3	-1.7	0.791	dd
210408D1_3	100	1.59	NO	30.08	1.139	1.61e5	2.03e5	98.3	-1.7	0.791	bb
210408D1_4	100	1.58	NO	30.08	1.139	1.27e5	1.68e5	94.2	-5.8	0.758	bb
210408D1_5	100	1.60	NO	30.06	1.139	1.59e5	2.02e5	97.6	-2.4	0.785	bb
210408D1_6	100	1.59	NO	30.08	1.139	1.40e5	1.58e5	110	10.0	0.885	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.791751

RRF SD: 0.0495011, Relative SD: 6.25211

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
210408D1_1	100	1.61	NO	31.03	1.175	1.62e5	1.98e5	103	3.2	0.817	bb
210408D1_2	100	1.63	NO	31.03	1.175	1.69e5	2.20e5	97.2	-2.8	0.770	bb
210408D1_3	100	1.61	NO	31.03	1.175	1.60e5	2.03e5	99.3	-0.7	0.786	bb
210408D1_4	100	1.56	NO	31.07	1.176	1.27e5	1.68e5	95.4	-4.6	0.756	bb
210408D1_5	100	1.58	NO	31.03	1.175	1.50e5	2.02e5	93.9	-6.1	0.744	bb
210408D1_6	100	1.59	NO	31.03	1.175	1.39e5	1.58e5	111	10.9	0.878	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.997312

RRF SD: 0.0381871, Relative SD: 3.829

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	210408D1_1	100	0.49	NO	33.68	0.986	1.26e5	1.27e5	99.2	-0.8	0.990	bd
2	210408D1_2	100	0.50	NO	33.68	0.987	1.38e5	1.41e5	98.6	-1.4	0.983	bd
3	210408D1_3	100	0.50	NO	33.68	0.985	1.29e5	1.32e5	98.2	-1.8	0.979	bd
4	210408D1_4	100	0.50	NO	33.68	0.985	1.04e5	1.06e5	98.4	-1.6	0.981	bd
5	210408D1_5	100	0.49	NO	33.67	0.985	1.27e5	1.31e5	97.8	-2.2	0.976	bd
6	210408D1_6	100	0.50	NO	33.69	0.986	1.15e5	1.07e5	108	7.8	1.07	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.02847

RRF SD: 0.0400304, Relative SD: 3.89221

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	210408D1_1	100	0.50	NO	33.82	0.990	1.35e5	1.27e5	103	2.8	1.06	dd
2	210408D1_2	100	0.50	NO	33.81	0.990	1.43e5	1.41e5	98.5	-1.5	1.01	db
3	210408D1_3	100	0.51	NO	33.83	0.990	1.30e5	1.32e5	96.0	-4.0	0.987	db
4	210408D1_4	100	0.51	NO	33.82	0.990	1.06e5	1.06e5	97.7	-2.3	1.01	db
5	210408D1_5	100	0.52	NO	33.82	0.990	1.32e5	1.31e5	98.5	-1.5	1.01	db
6	210408D1_6	100	0.50	NO	33.83	0.990	1.17e5	1.07e5	106	6.5	1.10	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.939728

RRF SD: 0.0378274, Relative SD: 4.02535

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	210408D1_1	100	0.49	NO	34.54	1.011	1.25e5	1.27e5	105	4.8	0.984	bb
2	210408D1_2	100	0.52	NO	34.54	1.012	1.29e5	1.41e5	97.4	-2.6	0.916	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	210408D1_3	100	0.49	NO	34.56	1.012	1.21e5	1.32e5	97.8	-2.2	0.919	bb
4	210408D1_4	100	0.51	NO	34.54	1.011	9.69e4	1.06e5	97.5	-2.5	0.916	bb
5	210408D1_5	100	0.51	NO	34.56	1.012	1.19e5	1.31e5	97.0	-3.0	0.911	bb
6	210408D1_6	100	0.50	NO	34.55	1.011	1.06e5	1.07e5	106	5.6	0.992	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.852317

RRF SD: 0.034932, Relative SD: 4.09847

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	210408D1_1	100	0.52	NO	35.69	1.045	1.09e5	1.27e5	100	0.4	0.856	bb
2	210408D1_2	100	0.50	NO	35.66	1.045	1.21e5	1.41e5	101	0.5	0.857	bd
3	210408D1_3	100	0.51	NO	35.72	1.045	1.09e5	1.32e5	97.2	-2.8	0.828	bb
4	210408D1_4	100	0.50	NO	35.67	1.044	8.67e4	1.06e5	96.2	-3.8	0.820	bb
5	210408D1_5	100	0.52	NO	35.71	1.045	1.09e5	1.31e5	98.2	-1.8	0.837	bb
6	210408D1_6	100	0.50	NO	35.66	1.044	9.77e4	1.07e5	108	7.6	0.917	bb

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

Response Factor: 0.726905

RRF SD: 0.0296006, Relative SD: 4.07214

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	210408D1_1	100	0.40	NO	37.27	1.091	9.30e4	1.27e5	101	0.6	0.731	bb
2	210408D1_2	100	0.40	NO	37.24	1.091	1.04e5	1.41e5	102	1.5	0.738	bb
3	210408D1_3	100	0.41	NO	37.30	1.092	9.20e4	1.32e5	96.1	-3.9	0.699	bb
4	210408D1_4	100	0.41	NO	37.27	1.091	7.46e4	1.06e5	97.1	-2.9	0.706	bb
5	210408D1_5	100	0.42	NO	37.27	1.091	9.26e4	1.31e5	97.6	-2.4	0.710	bb
6	210408D1_6	100	0.42	NO	37.28	1.091	8.30e4	1.07e5	107	7.1	0.779	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.607947
 RRF SD: 0.0286797, Relative SD: 4.71747
 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	210408D1_1	100	0.43	NO	39.41	1.154	7.54e4	1.27e5	97.4	-2.6	0.592	bb
2	210408D1_2	100	0.42	NO	39.21	1.149	8.59e4	1.41e5	100	0.4	0.610	bd
3	210408D1_3	100	0.41	NO	39.32	1.151	7.71e4	1.32e5	96.3	-3.7	0.585	bd
4	210408D1_4	100	0.40	NO	39.35	1.151	6.24e4	1.06e5	97.0	-3.0	0.590	bb
5	210408D1_5	100	0.41	NO	39.24	1.148	7.92e4	1.31e5	99.8	-0.2	0.607	bb
6	210408D1_6	100	0.41	NO	39.26	1.149	7.07e4	1.07e5	109	9.0	0.663	bb

Compound name: 13C-OCDF

Response Factor: 0.630796
 RRF SD: 0.0428508, Relative SD: 6.79313
 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	210408D1_1	200	0.90	NO	42.56	1.246	1.72e5	1.27e5	215	7.3	0.677	bb
2	210408D1_2	200	0.90	NO	42.47	1.244	1.71e5	1.41e5	193	-3.6	0.608	bb
3	210408D1_3	200	0.87	NO	42.64	1.248	1.57e5	1.32e5	190	-5.2	0.598	bb
4	210408D1_4	200	0.89	NO	42.71	1.250	1.26e5	1.06e5	189	-5.3	0.597	bb
5	210408D1_5	200	0.88	NO	42.51	1.244	1.59e5	1.31e5	194	-3.2	0.611	bd
6	210408D1_6	200	0.89	NO	42.57	1.246	1.48e5	1.07e5	220	10.0	0.694	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 2.21891
 RRF SD: 0.357843, Relative SD: 16.127
 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	210408D1_1	0.250			27.06	1.025	8.33e2	1.20e5	0.312	24.9	2.77	bb
2	210408D1_2	0.500			27.06	1.025	1.50e3	1.36e5	0.496	-0.8	2.20	bb

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Compound name: 37Cl-2,3,7,8-TCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
210408D1_3	2.00			27.08	1.025	4.47e3	1.29e5	1.56	-21.8	1.73	bb
210408D1_4	10.0			27.09	1.026	2.07e4	1.04e5	8.98	-10.2	1.99	bd
210408D1_5	40.0			27.06	1.025	1.10e5	1.26e5	39.3	-1.8	2.18	bb
210408D1_6	200			27.08	1.026	4.88e5	1.00e5	219	9.7	2.44	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
210408D1_1	100	0.79	NO	26.40	1.000	1.20e5	1.20e5	100	0.0	1.00	bb
210408D1_2	100	0.81	NO	26.40	1.000	1.36e5	1.36e5	100	0.0	1.00	bb
210408D1_3	100	0.79	NO	26.42	1.000	1.29e5	1.29e5	100	0.0	1.00	bb
210408D1_4	100	0.82	NO	26.42	1.000	1.04e5	1.04e5	100	0.0	1.00	bb
210408D1_5	100	0.75	NO	26.40	1.000	1.26e5	1.26e5	100	0.0	1.00	bb
210408D1_6	100	0.75	NO	26.40	1.000	1.00e5	1.00e5	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
210408D1_1	100	0.77	NO	25.18	1.000	1.98e5	1.98e5	100	0.0	1.00	bb
210408D1_2	100	0.77	NO	25.18	1.000	2.20e5	2.20e5	100	0.0	1.00	bb
210408D1_3	100	0.76	NO	25.19	1.000	2.03e5	2.03e5	100	0.0	1.00	bb
210408D1_4	100	0.78	NO	25.21	1.000	1.68e5	1.68e5	100	0.0	1.00	bb
210408D1_5	100	0.76	NO	25.18	1.000	2.02e5	2.02e5	100	0.0	1.00	bb
210408D1_6	100	0.75	NO	25.18	1.000	1.58e5	1.58e5	100	0.0	1.00	bb

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Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210408D1_1	100	0.50	NO	34.16	1.000	1.27e5	1.27e5	100	0.0	1.00	bb
2	210408D1_2	100	0.50	NO	34.14	1.000	1.41e5	1.41e5	100	0.0	1.00	bd
3	210408D1_3	100	0.52	NO	34.17	1.000	1.32e5	1.32e5	100	0.0	1.00	bb
4	210408D1_4	100	0.48	NO	34.17	1.000	1.06e5	1.06e5	100	0.0	1.00	bb
5	210408D1_5	100	0.50	NO	34.17	1.000	1.31e5	1.31e5	100	0.0	1.00	bb
6	210408D1_6	100	0.50	NO	34.17	1.000	1.07e5	1.07e5	100	0.0	1.00	bd

Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

Printed: Friday, April 09, 2021 08:06:13 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_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

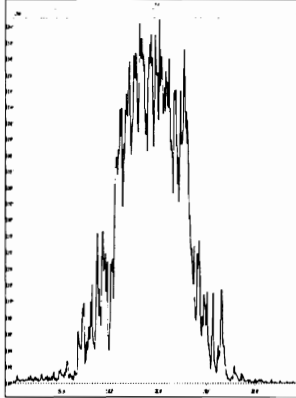
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210408D1_1	ST210408D1-1 1613 CS0 21D0706	08-Apr-21	08:27:40
2	210408D1_2	ST210408D1-2 1613 CS1 21D0707	08-Apr-21	09:21:02
3	210408D1_3	ST210408D1-3 1613 CS2 21C0104	08-Apr-21	10:06:35
4	210408D1_4	ST210408D1-4 1613 CS3 21C0105	08-Apr-21	10:53:15
5	210408D1_5	ST210408D1-5 1613 CS4 21C0106	08-Apr-21	11:39:55
6	210408D1_6	ST210408D1-6 1613 CS5 21C0107	08-Apr-21	12:26:34
7	210408D1_7	SS210408D1-1 1613 SSS 21C0108	08-Apr-21	13:21:14
8	210408D1_8	SOLVENT BLANK	08-Apr-21	14:06:53
9	210408D1_9	HRMS-210301-04 RS VIAL 4	08-Apr-21	14:53:31
10	210408D1_10	HRMS-210301-05 RS VIAL 3	08-Apr-21	15:40:10
11	210408D1_11	HRMS-210301-06 RS VIAL 2	08-Apr-21	16:26:50
12	210408D1_12	HRMS-210301-07 RS VIAL 1	08-Apr-21	17:13:28

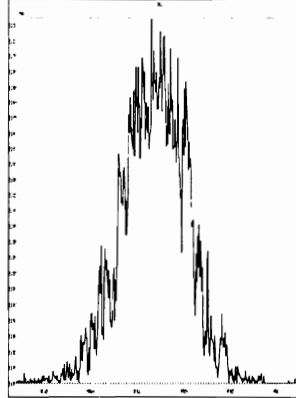
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, April 08, 2021 08:23:11 Pacific Daylight Time

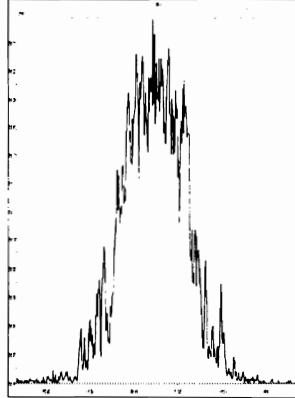
M 292.9824 R 10685



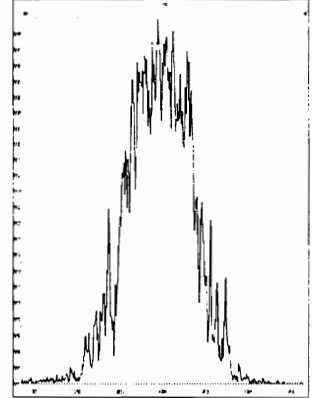
M 304.9824 R 11160



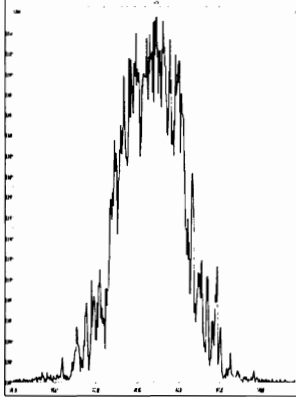
M 318.9792 R 10872



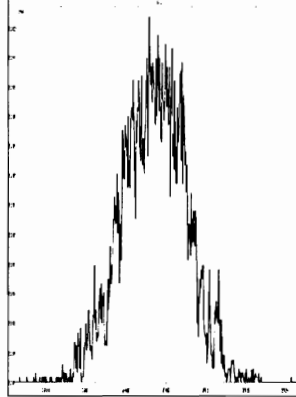
M 330.9792 R 10163



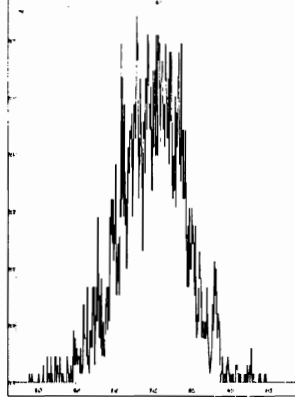
M 342.9792 R 11791



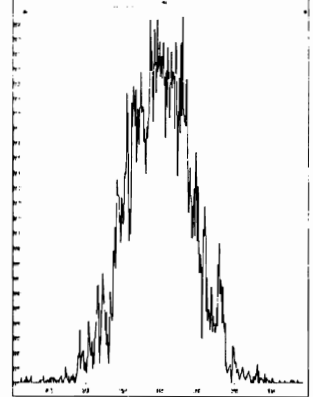
M 354.9792 R 10078



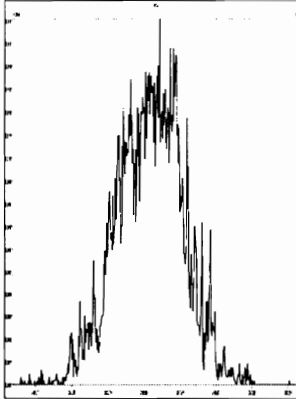
M 366.9792 R 10775



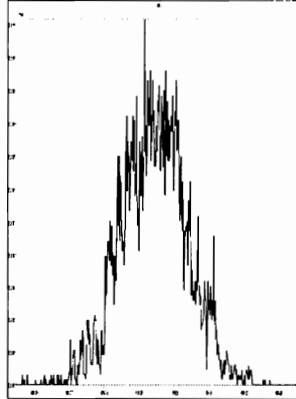
M 380.9760 R 10636



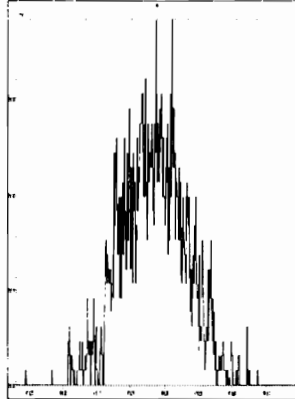
M 392.9760 R 10205



M 404.9760 R 11736



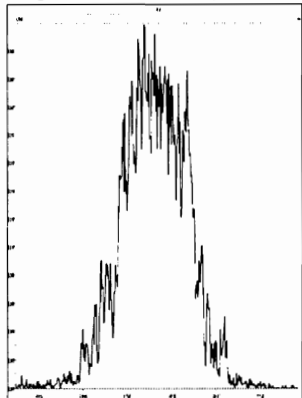
M 416.9760 R 12560



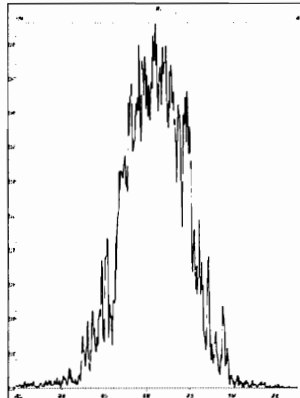
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, April 08, 2021 08:24:15 Pacific Daylight Time

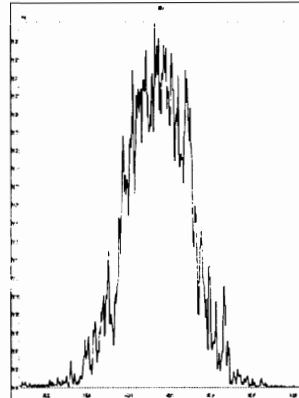
M 318.9792 R 11011



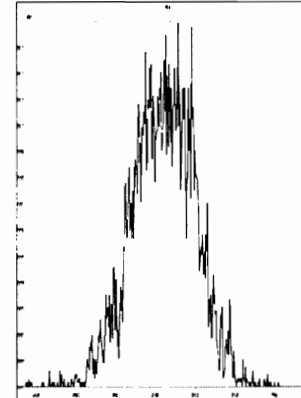
M 330.9792 R 11063



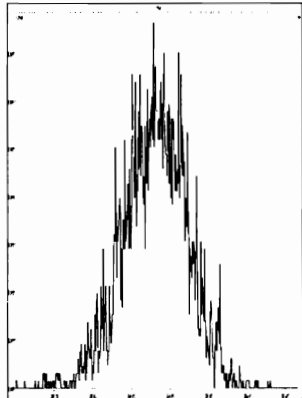
M 342.9792 R 11012



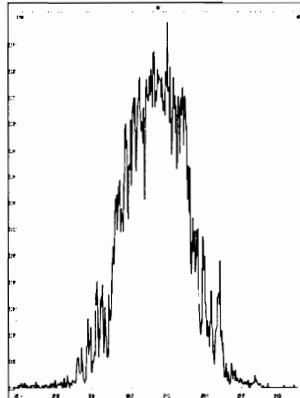
M 354.9792 R 11158



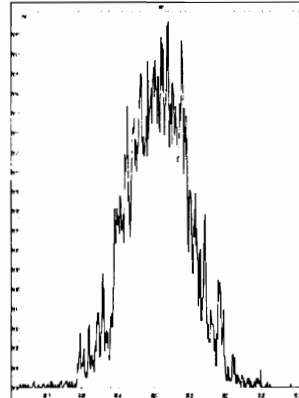
M 366.9792 R 11574



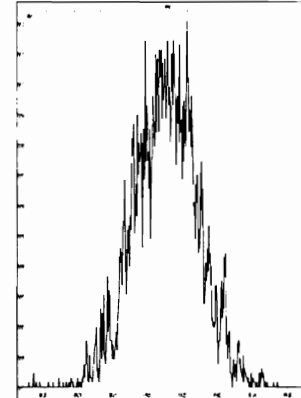
M 380.9760 R 10728



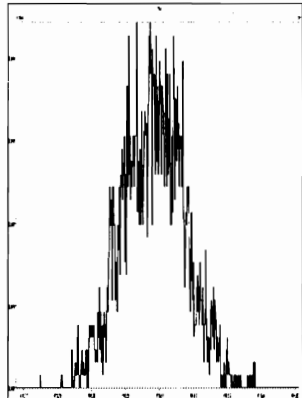
M 392.9760 R 10160



M 404.9760 R 10683



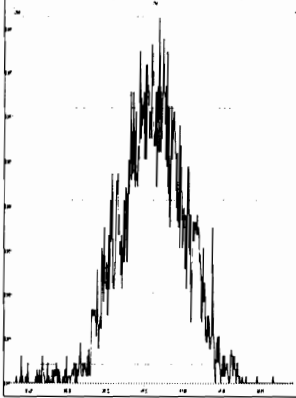
M 416.9760 R 10728



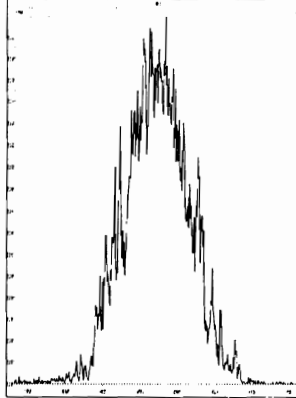
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, April 08, 2021 08:25:00 Pacific Daylight Time

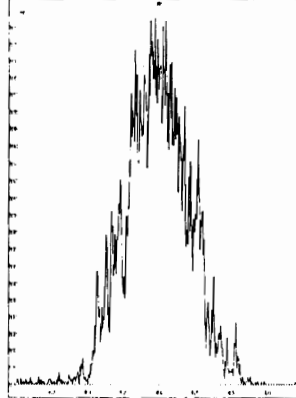
M 366.9792 R 11312



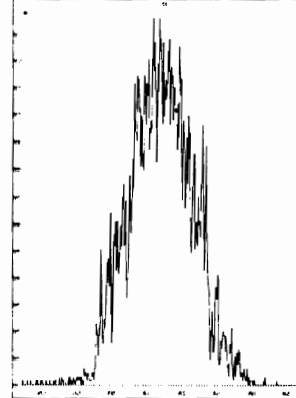
M 380.9760 R 10592



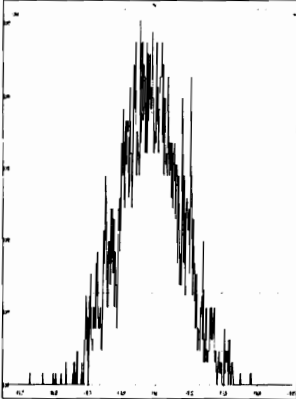
M 392.9760 R 10681



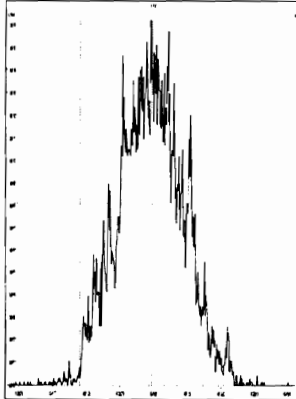
M 404.9760 R 10593



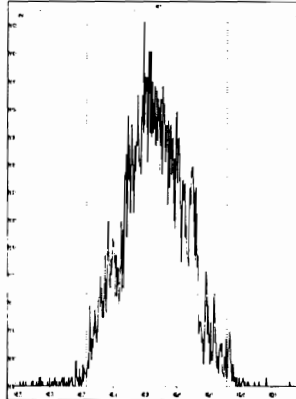
M 416.9760 R 10963



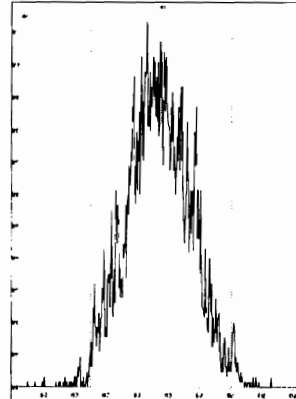
M 430.9728 R 10205



M 442.9728 R 10287



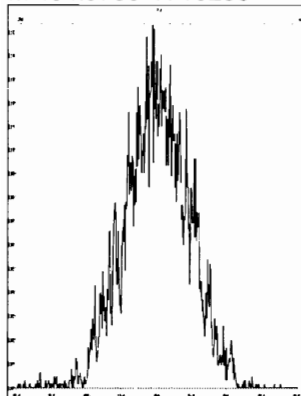
M 454.9728 R 10289



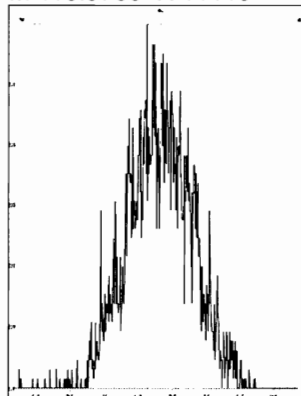
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, April 08, 2021 08:25:36 Pacific Daylight Time

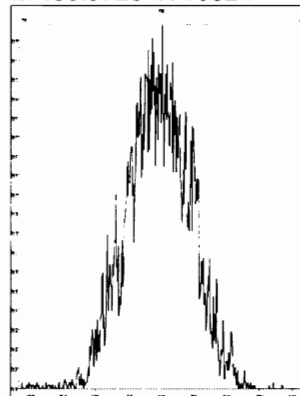
M 404.9760 R 10288



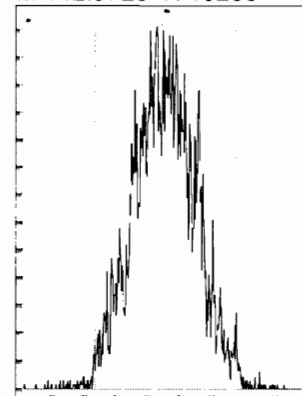
M 416.9760 R 11110



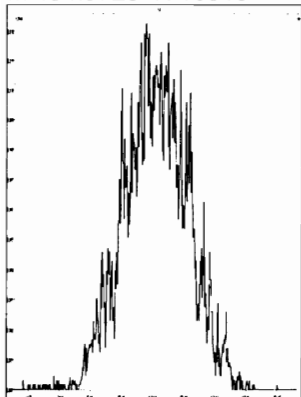
M 430.9728 R 10824



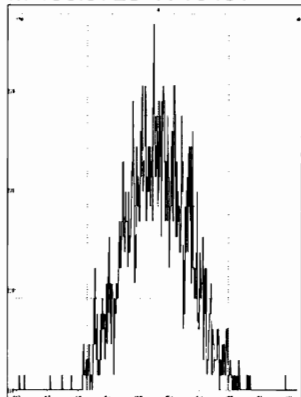
M 442.9728 R 10288



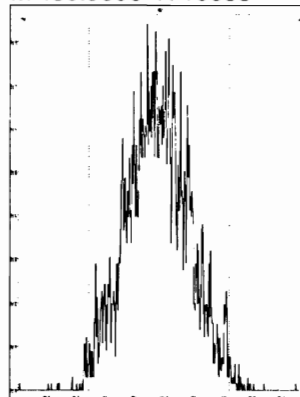
M 454.9728 R 10919



M 466.9728 R 10461



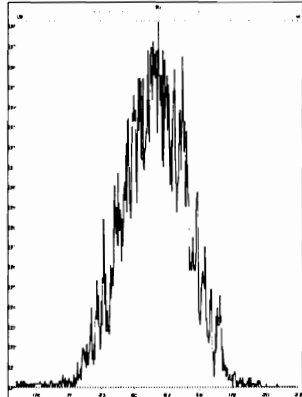
M 480.9696 R 10638



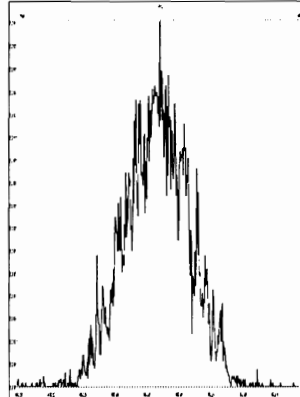
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, April 08, 2021 08:26:16 Pacific Daylight Time

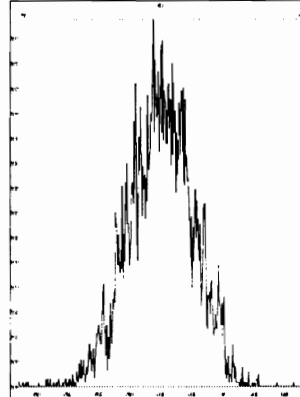
M 430.9728 R 10591



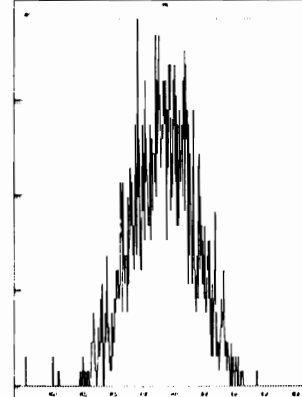
M 442.9728 R 10118



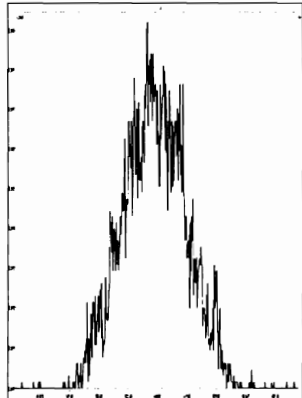
M 454.9728 R 10822



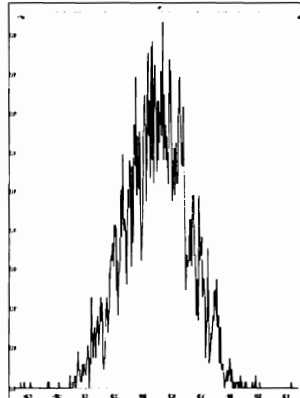
M 466.9728 R 11259



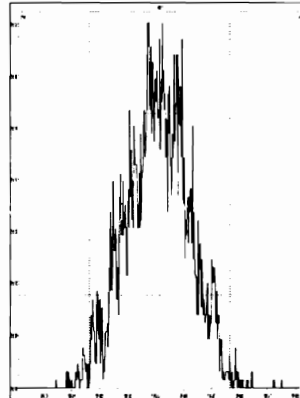
M 480.9696 R 10501



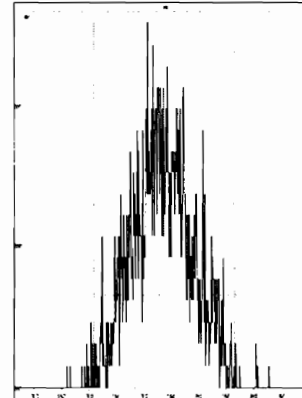
M 492.9696 R 10548



M 504.9696 R 11794



M 516.9697 R 11570



Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:07:09 Pacific Daylight Time

Printed: Friday, April 09, 2021 08:07:50 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 06 Apr 2021 11:04:01

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210408D1_4, Date: 08-Apr-2021, Time: 10:53:15, ID: ST210408D1-4 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1,3,6,8-TCDD (First)	23.99
2	1,2,8,9-TCDD (Last)	27.85
3	1,2,4,7,9-PeCDD (First)	29.20
4	1,2,3,8,9-PeCDD (Last)	31.57
5	1,2,4,6,7,9-HxCDD (First)	32.91
6	1,2,3,7,8,9-HxCDD (Last)	35.13
7	1,2,3,4,6,7,9-HpCDD (First)	37.61
8	1,2,3,4,6,7,8-HpCDD (Last)	38.58
9	1,3,6,8-TCDF (First)	22.15
10	1,2,8,9-TCDF (Last)	28.13
11	1,3,4,6,8-PeCDF (First)	27.75
12	1,2,3,8,9-PeCDF (Last)	31.93
13	1,2,3,4,6,8-HxCDF (First)	32.35
14	1,2,3,7,8,9-HxCDF (Last)	35.70
15	1,2,3,4,6,7,8-HpCDF (First)	37.29
16	1,2,3,4,7,8,9-HpCDF (Last)	39.37

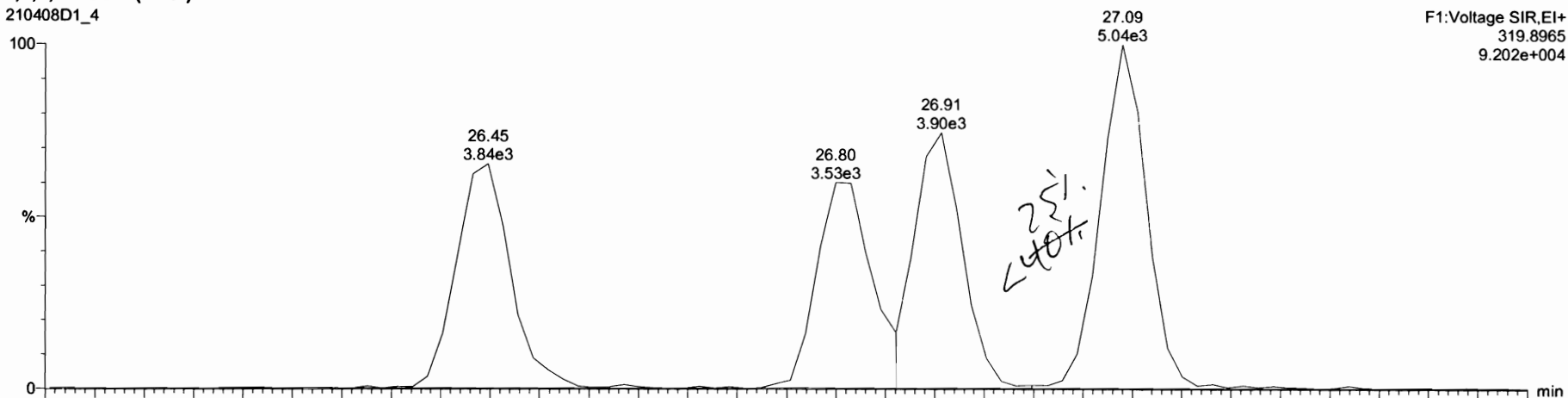
Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:07:09 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:07:50 Pacific Daylight Time

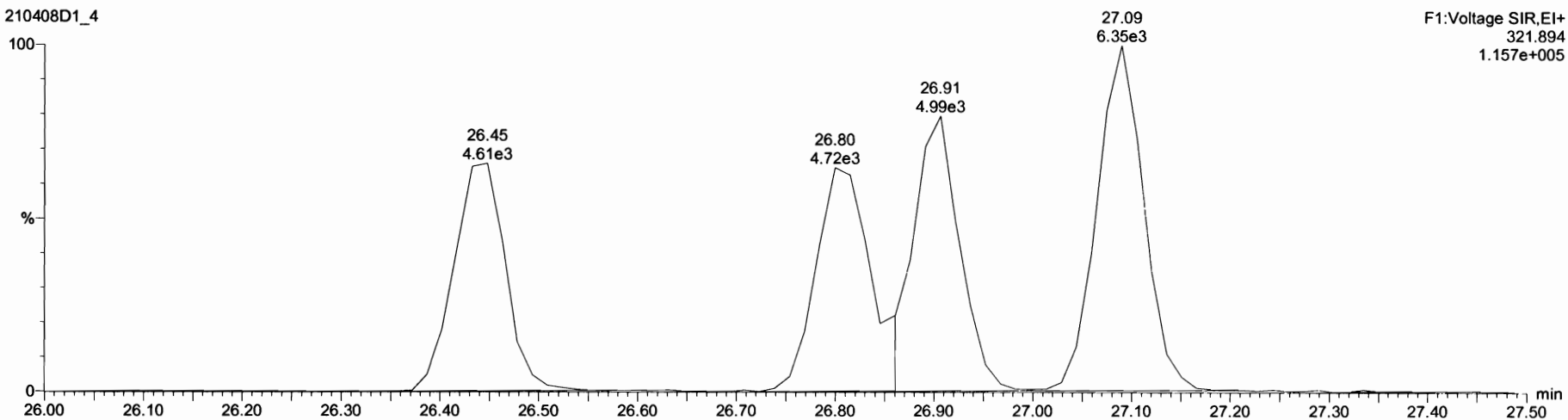
Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 06 Apr 2021 11:04:01
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210408D1_4, Date: 08-Apr-2021, Time: 10:53:15, ID: ST210408D1-4 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)
210408D1_4



210408D1_4



Dataset: Untitled

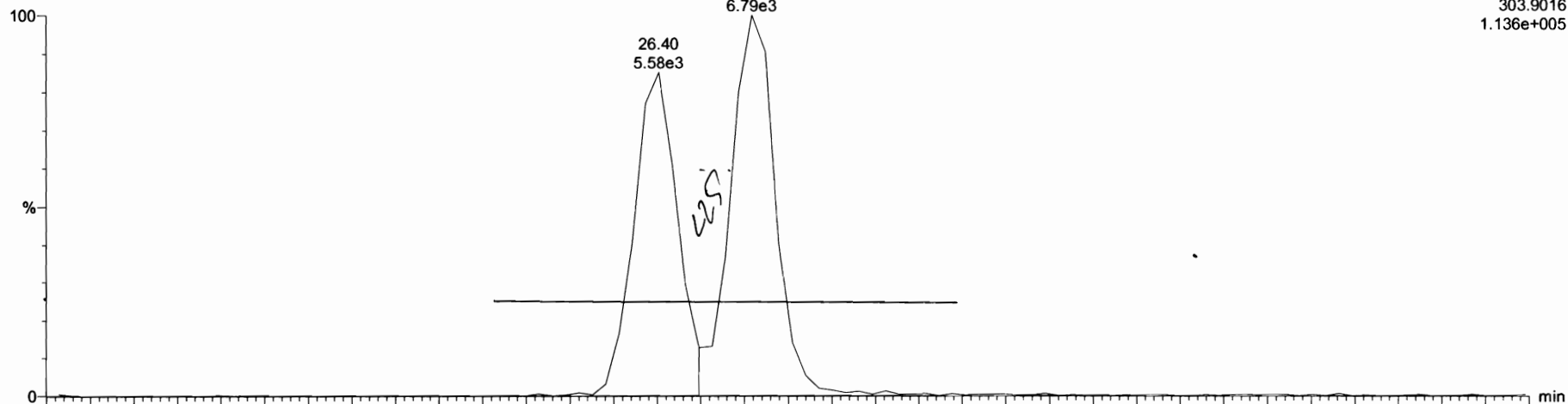
Last Altered: Friday, April 09, 2021 08:07:09 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:07:50 Pacific Daylight Time

Name: 210408D1_4, Date: 08-Apr-2021, Time: 10:53:15, ID: ST210408D1-4 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)

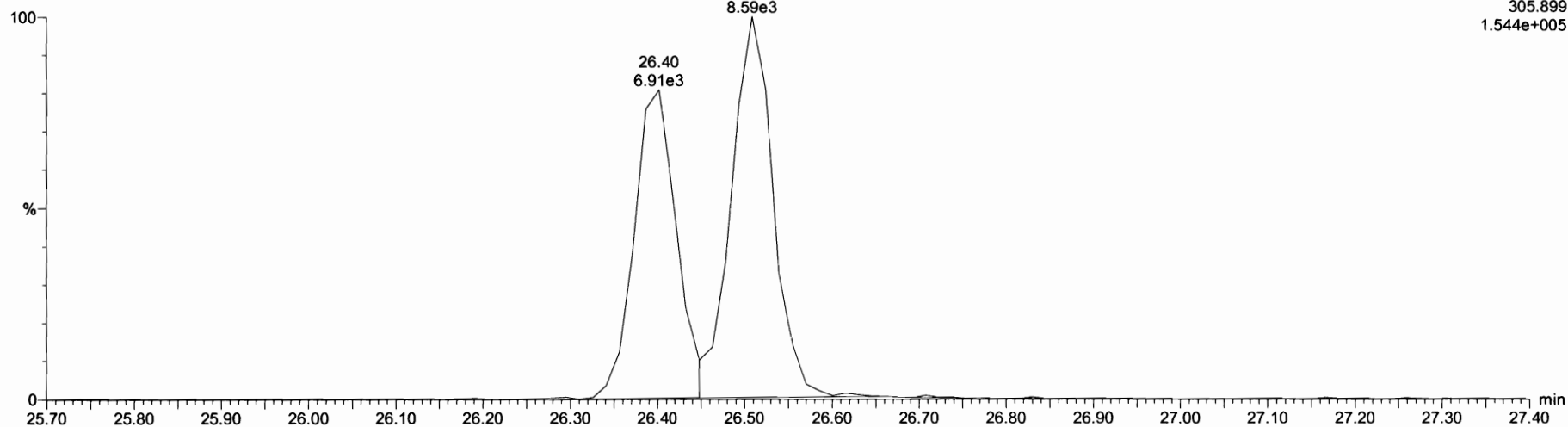
210408D1_4

F1:Voltage SIR,EI+
303.9016
1.136e+005



210408D1_4

F1:Voltage SIR,EI+
305.899
1.544e+005



Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

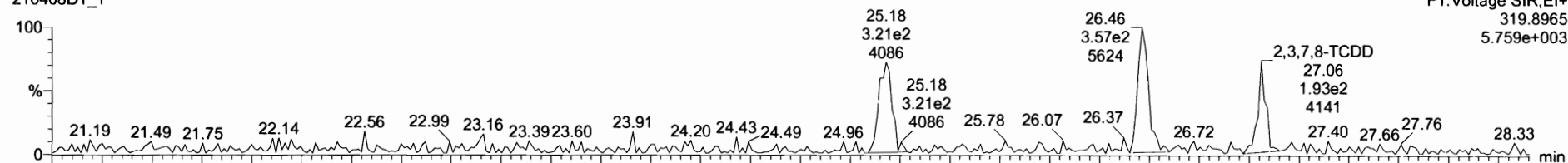
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt_4-6-21.mdb 06 Apr 2021 09:18:07

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

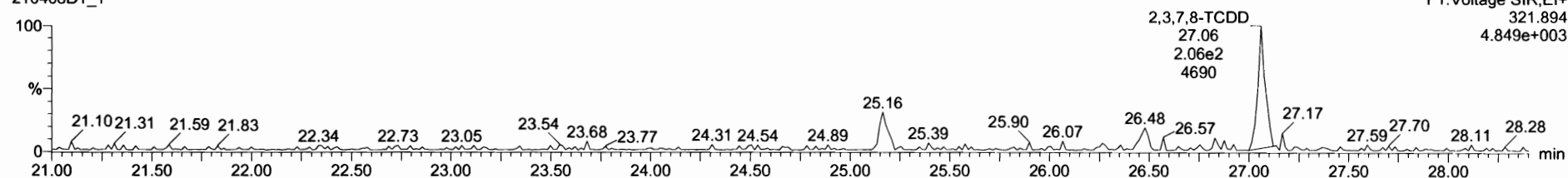
Name: 210408D1_1, Date: 08-Apr-2021, Time: 08:27:40, ID: ST210408D1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

2,3,7,8-TCDD

210408D1_1

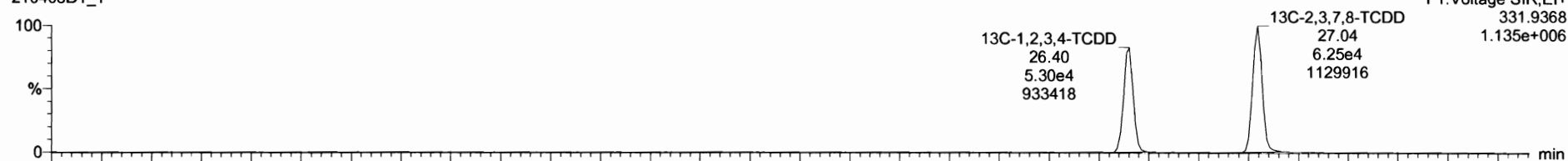


210408D1_1

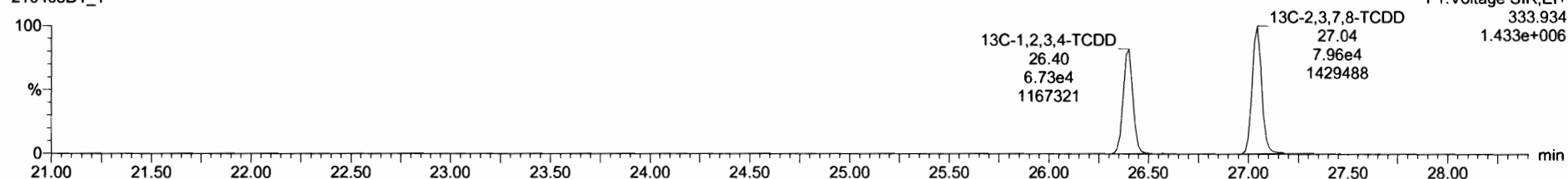


13C-2,3,7,8-TCDD

210408D1_1



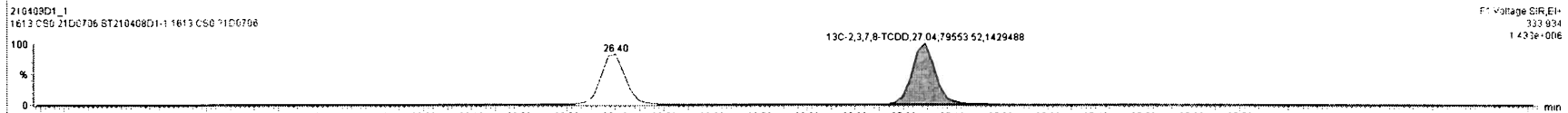
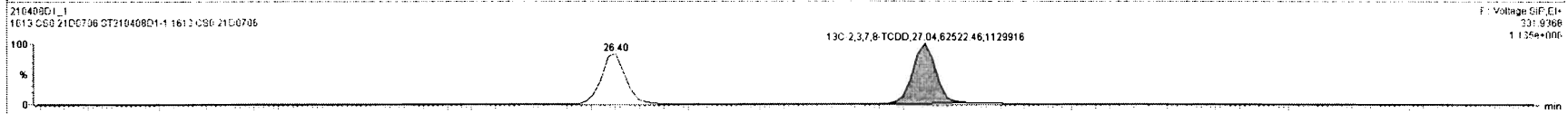
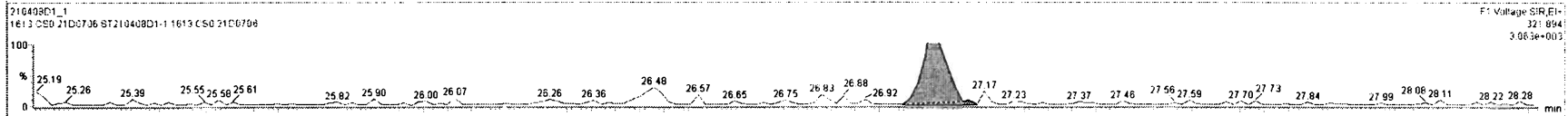
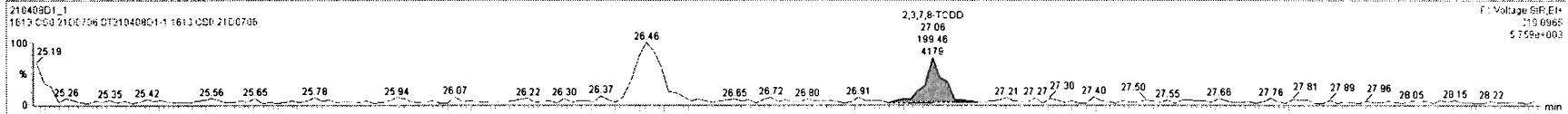
210408D1_1



210408D1_1 - ST210408D1-1 1613 C50 2100706 - 1613 C50 2100706

Name	Resp	IS Resp	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32 13C-1,2,3,4,6,7,8-HpCDF	9.30e4	1.27e5	0.7289	1.000	37.21	37.27	1.0911	1.09	NO	101	101	0.922	
33 13C-1,2,3,4,7,8,9-HpCDF	7.54e4	1.27e5	0.6079	1.000	39.22	39.41	1.1537	1.15	NO	97.4	97.4	1.10	
34 13C-OCDF	1.72e5	1.27e5	0.6308	1.000	42.40	42.56	1.2458	1.24	NO	215	107	0.445	
35 3TC-2,3,7,8-TCDD	8.33e2	1.20e5	2.2189	1.000	27.05	27.06	1.0249	1.02	NO	0.312	1.25	0.0231	
36 13C-1,2,3,4-TCDD	1.20e5	1.20e5	1.0000	1.000	26.42	26.40	1.0000	1.00	NO	100	100	0.302	

Name	RT	wt Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 2,3,7,8-TCDD	27.06	1.995e2	2.277e2	0.88	NO	0.28700	0.28691



Dataset: Untitled

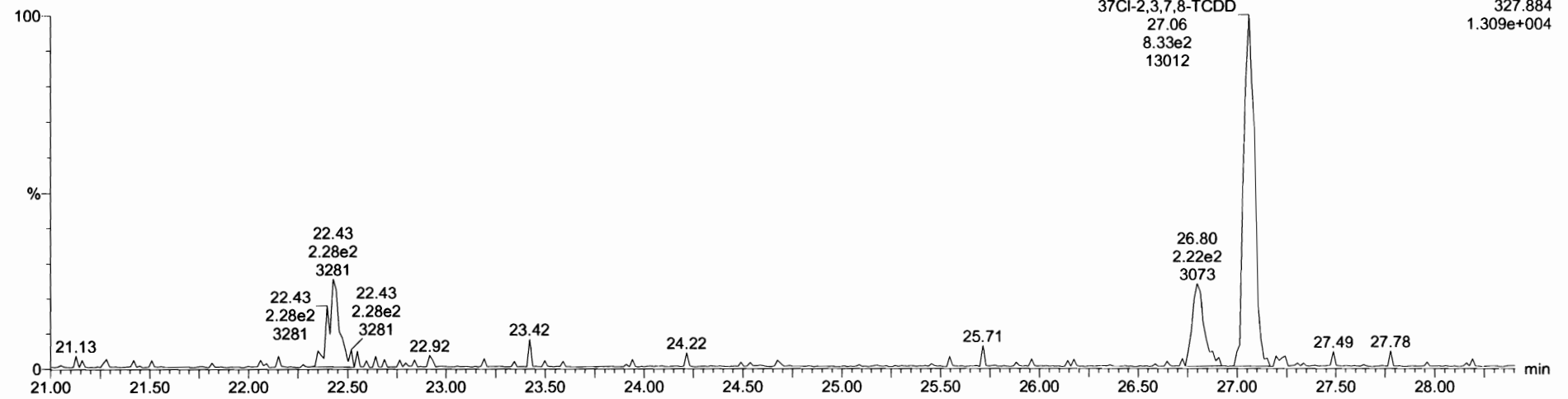
Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_1, Date: 08-Apr-2021, Time: 08:27:40, ID: ST210408D1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

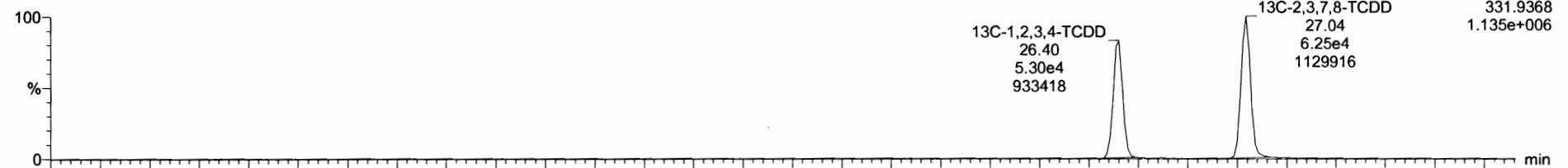
37Cl-2,3,7,8-TCDD

210408D1_1

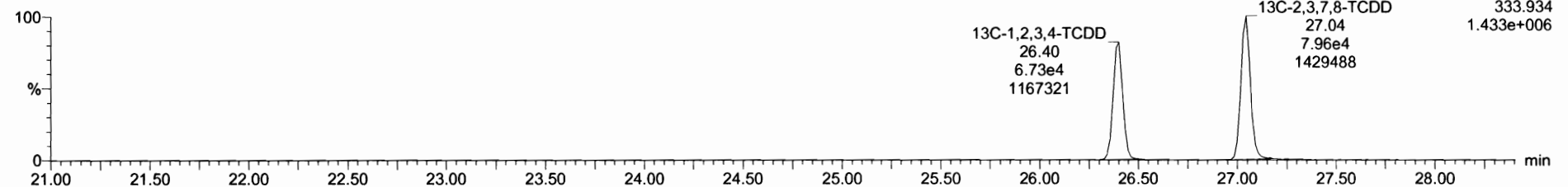


13C-1,2,3,4-TCDD

210408D1_1



210408D1_1



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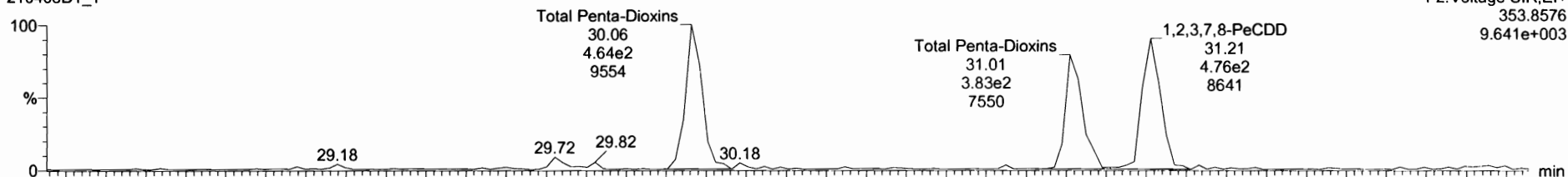
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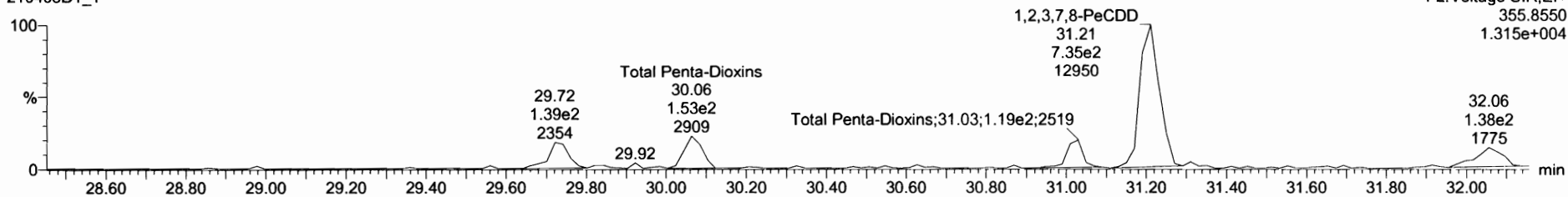
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1,2,3,7,8-PeCDD

210408D1_1



210408D1_1

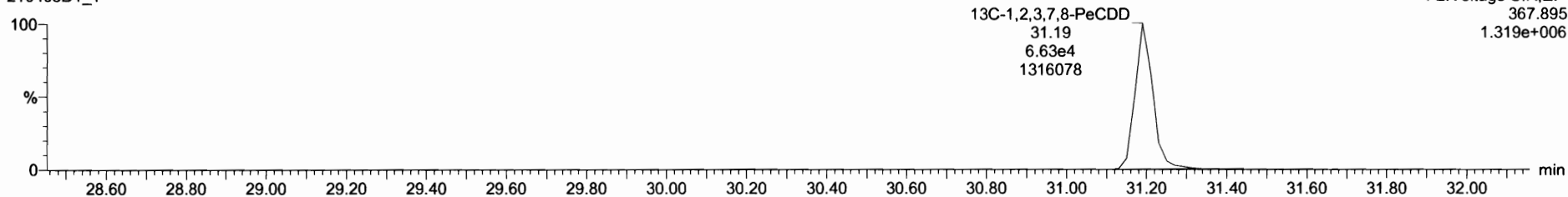


13C-1,2,3,7,8-PeCDD

210408D1_1



210408D1_1



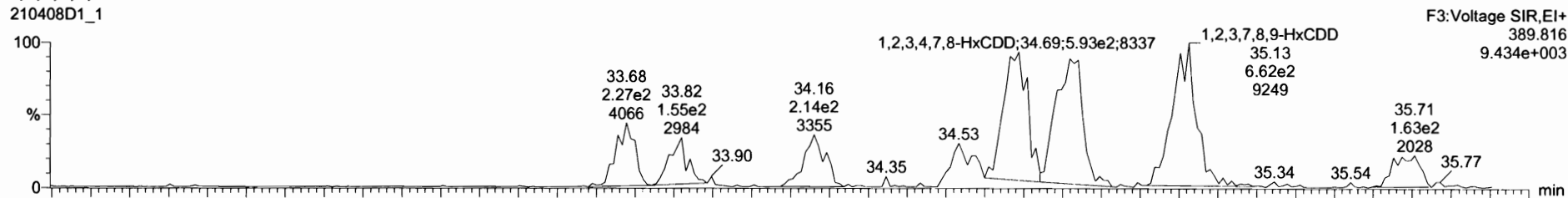
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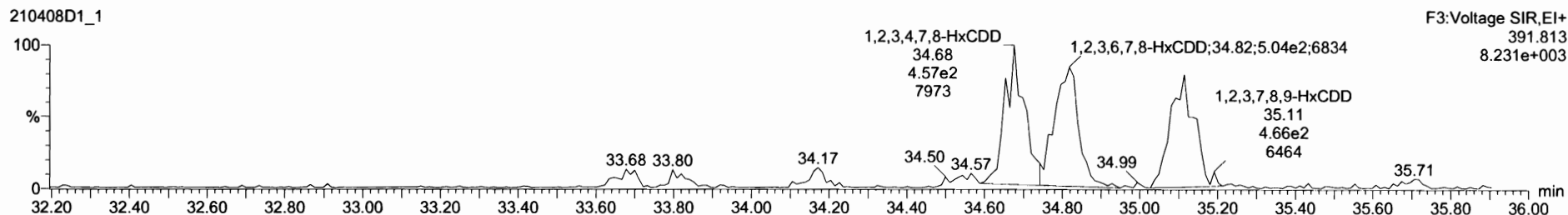
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1,2,3,4,7,8-HxCDD

210408D1_1

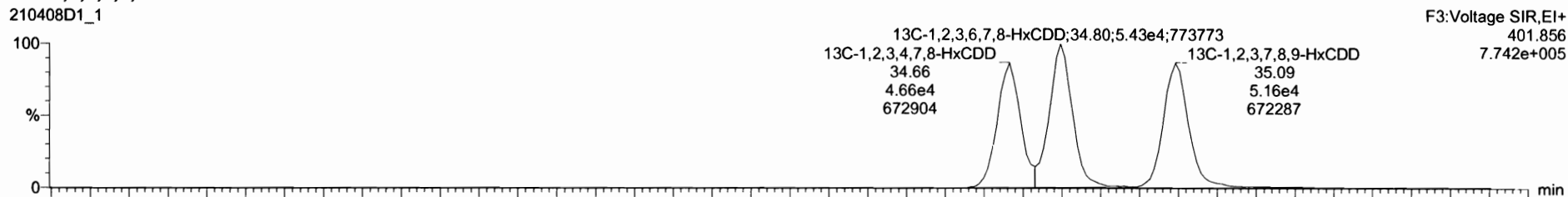


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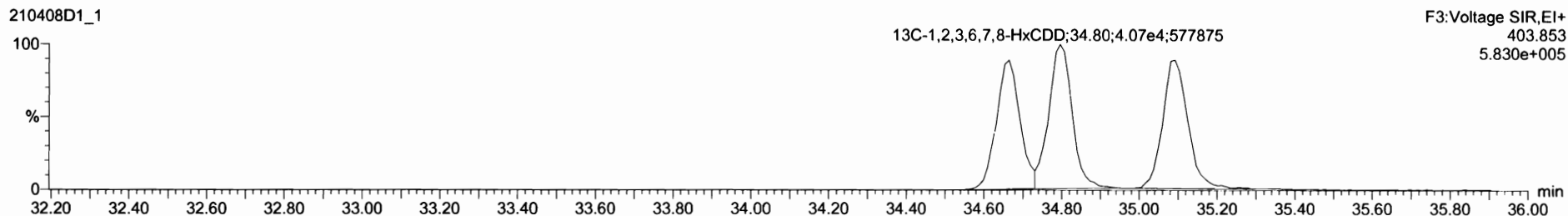


13C-1,2,3,4,7,8-HxCDD

210408D1_1



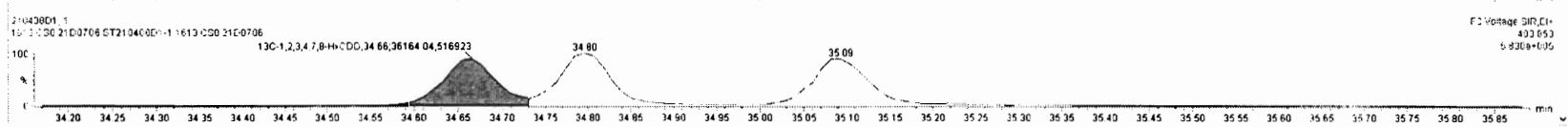
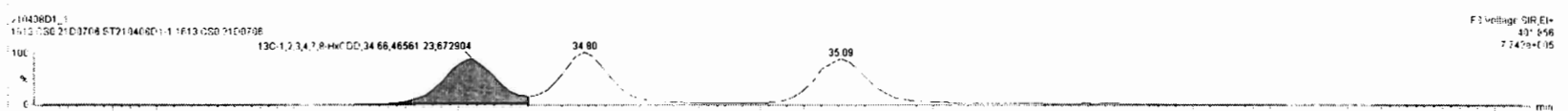
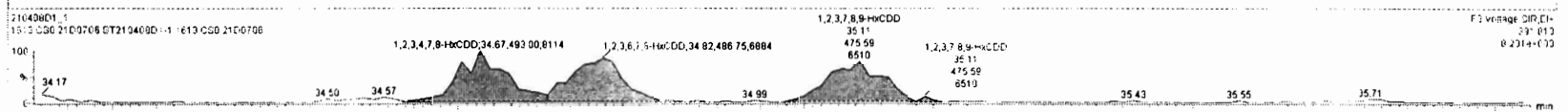
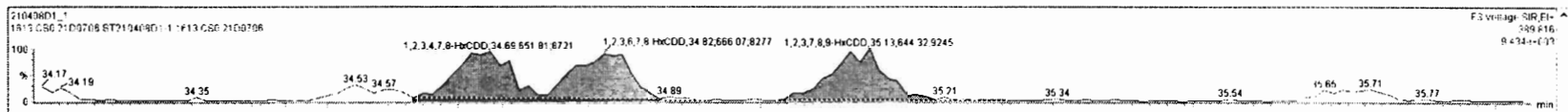
210408D1_1



21040801_1 - ST21040801-1 1613 C50 21E0706 - 1613 C50 21E0706

Name	Resp	RA	nly	RPF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	1.000			3.83		0.298	3.83
42 Total Hepta-Dioxins				1.07	1.000			1.24		0.253	1.24
43 Total Tetra-Furans				0.86	1.000			0.220		0.0323	0.220
44 1st Func. Penta-Furans				0.95	1.000					0.00820	
45 Total Penta-Furans				0.95	1.000			2.36		0.0338	2.36

Name	RT	amt Resp	n2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,7,8-HxCDD	35.13	6.443e2	4.756e2	1.36	NO	1.2140	1.2143
2 1,2,3,6,7,8-HxCDD	34.82	8.881e2	4.868e2	1.37	NO	1.2010	1.2014
3 1,2,3,4,7,8-HxCDD	34.69	6.518e2	4.930e2	1.32	NO	1.2110	1.2108



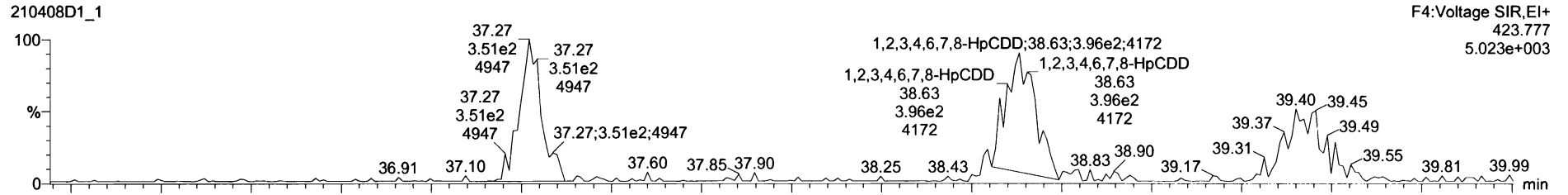
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

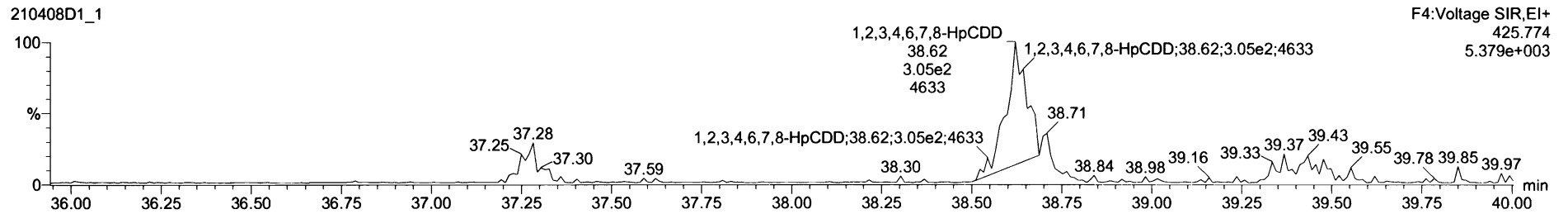
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1,2,3,4,6,7,8-HpCDD

210408D1_1

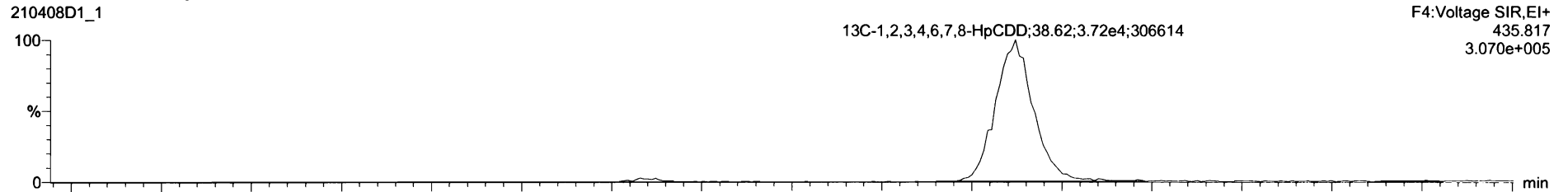


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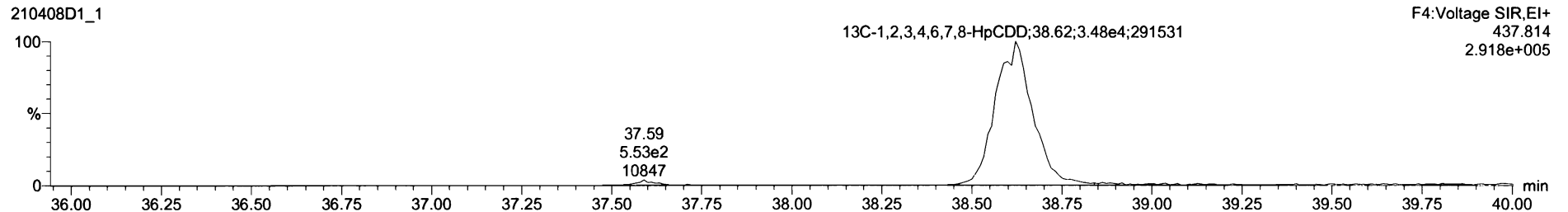


13C-1,2,3,4,6,7,8-HpCDD

210408D1_1

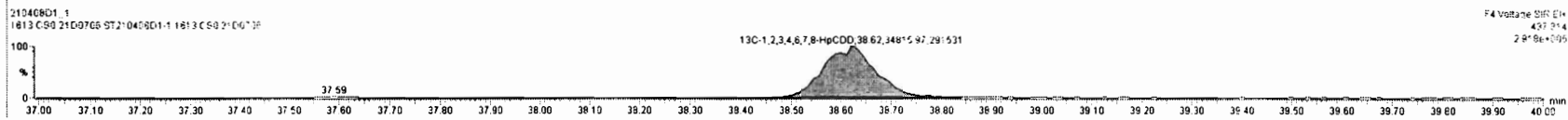
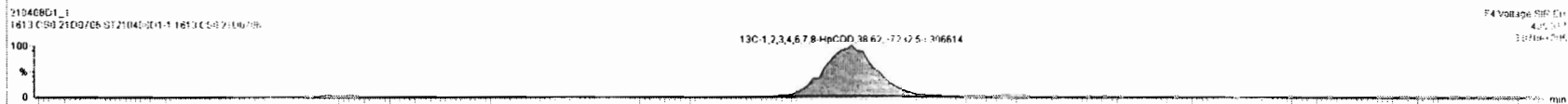
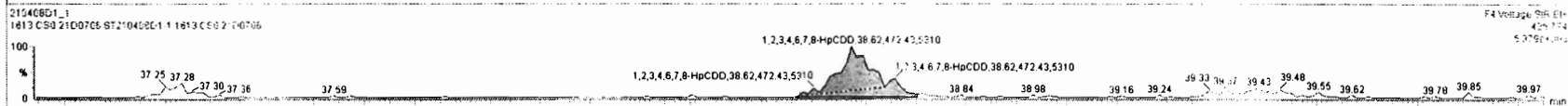
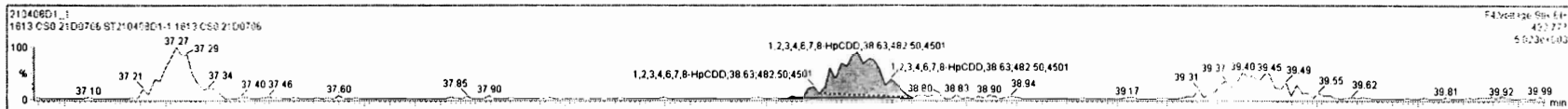


210408D1_1



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	1.000			3.63		0.298	3.63
42 Total Hepta-Dioxins				1.07	1.000			1.24		0.253	1.24
43 Total Tetra-Furans				0.86	1.000			0.220		0.0323	0.220
44 1st Func. Penta-Furans				0.95	1.000					0.00820	
45 Total Penta-Furans				0.95	1.000			2.36		0.0338	2.36

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDD	38.63	4.825e2	4.724e2	1.02	NO	1.2440	1.2445

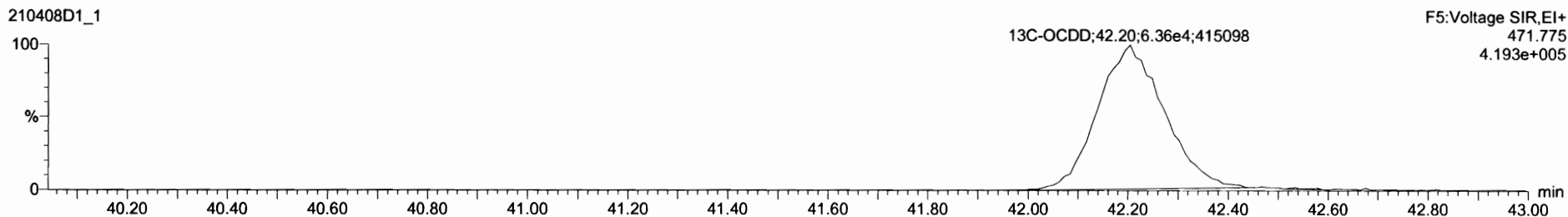
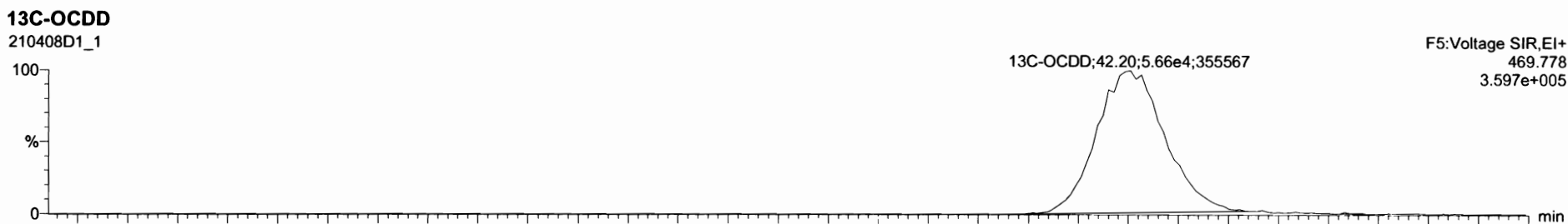
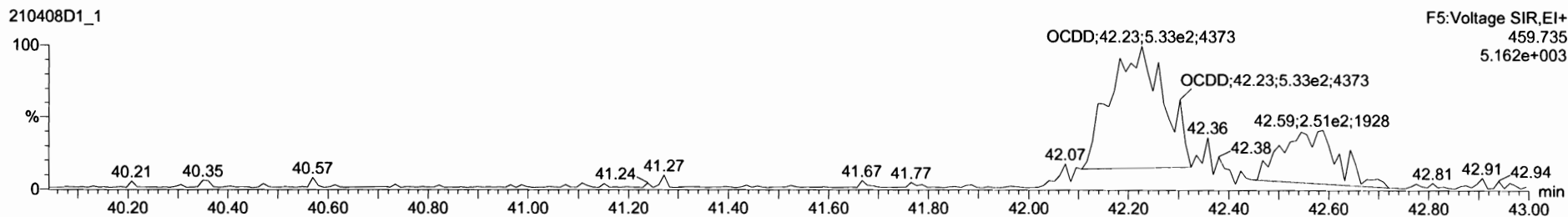
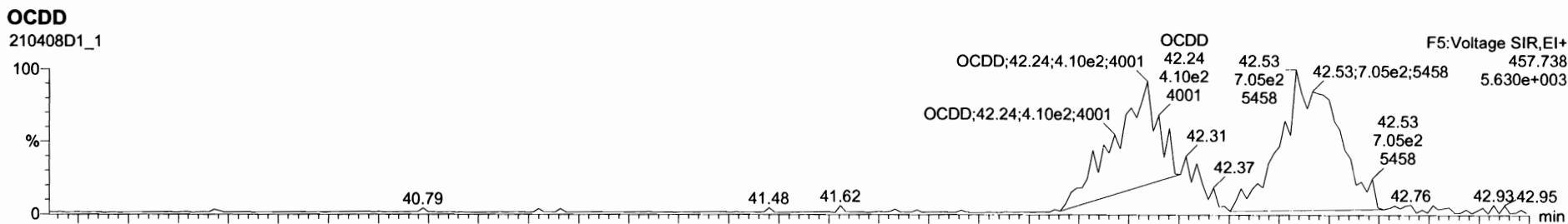


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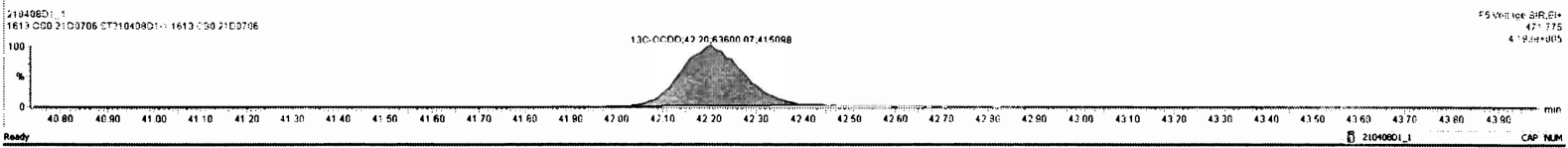
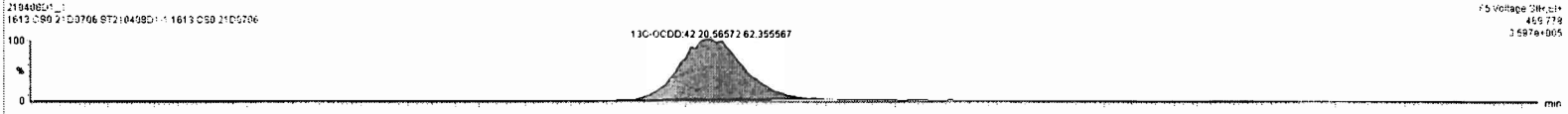
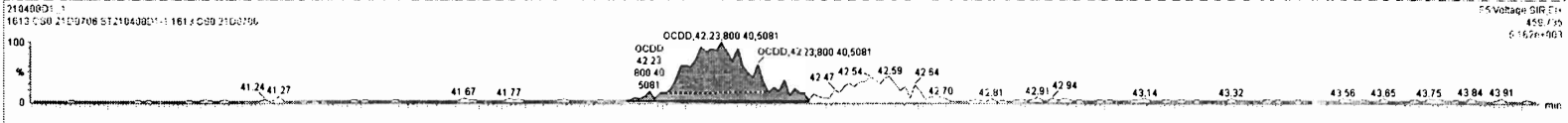
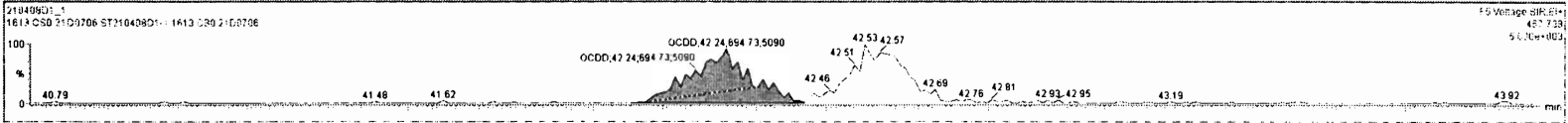
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Name: 210408D1_1, Date: 08-Apr-2021, Time: 08:27:40, ID: ST210408D1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706



Name	Resp	IS Resp	RFI	width	Pred RT	RT	RTT	Pred RTT	RTT File	Comp	%Rec	DL	EMPC
1 2,3,7,8-TCDD	4.27e2	1.42e5	1.0478	1.000	27.07	27.06	1.0006	1.000	NO	0.287	115	0.0684	0.287
2 1,2,3,7,8-PeCDD	1.21e3	1.07e5	0.8813	1.000	31.21	31.21	1.0007	1.000	NO	1.28	103	0.0558	1.28
3 1,2,3,4,7,8-HxCDD	1.14e3	8.27e4	1.1429	1.000	34.67	34.68	1.0006	1.000	NO	1.21	96.9	0.273	1.21
4 1,2,3,6,7,8-HxCDD	1.15e3	9.49e4	1.0108	1.000	34.81	34.82	1.0006	1.000	NO	1.20	96.1	0.273	1.20
5 1,2,3,7,8,9-HxCDD	1.12e3	9.05e4	1.0194	1.000	35.12	35.13	1.0008	1.000	NO	1.21	97.1	0.311	1.21
6 1,2,3,4,6,7,8-HpCDD	9.55e2	7.20e4	1.0650	1.000	38.63	38.63	1.0003	1.000	NO	1.24	99.6	0.253	1.24
7 OCDD	1.50e3	1.20e5	1.0022	1.000	42.20	42.24	1.0008	1.000	NO	2.48	98.3	0.050	2.48
8 2,3,7,8-TCDF	4.18e2	2.20e5	0.8637	1.000	26.49	26.49	1.0012	1.000	NO	0.220	87.8	0.0323	0.220
9 1,2,3,7,8-PeCDF	1.75e3	1.62e5	0.9494	1.000	30.08	30.08	1.0007	1.000	NO	1.14	98.9	0.0340	1.14
10 2,3,4,7,8-PeCDF	2.08e3	1.82e5	1.0377	1.000	31.06	31.03	1.0000	1.000	NO	1.23	98.1	0.0307	1.23
11 1,2,3,4,7,8-HxCDF	1.56e3	1.26e5	1.0430	1.000	33.70	33.70	1.0007	1.000	NO	1.19	95.0	0.0600	1.19
12 1,2,3,6,7,8-HxCDF	1.70e3	1.35e5	1.0742	1.000	33.83	33.83	1.0004	1.000	NO	1.18	94.0	0.0566	1.18
13 2,3,4,6,7,8-HpCDF	1.59e3	1.25e5	1.1171	1.000	34.55	34.57	1.0006	1.000	NO	1.13	90.7	0.0646	1.13
14 1,2,3,7,8,9-HxCDF	1.52e3	1.09e5	1.0987	1.000	35.69	35.71	1.0006	1.000	NO	1.27	102	0.0886	1.27
15 1,2,3,4,6,7,8-HpCDF	1.31e3	9.30e4	1.1599	1.000	37.31	37.26	1.0003	1.000	NO	1.21	96.8	0.103	1.21
16 1,2,3,4,7,8,9-HpCDF	1.12e3	7.54e4	1.1869	1.000	39.41	39.43	1.0006	1.000	NO	1.25	100	0.240	1.25
17 OCDF	1.82e3	1.72e5	0.9088	1.000	42.58	42.58	1.0008	1.000	NO	2.32	97.9	0.211	2.32



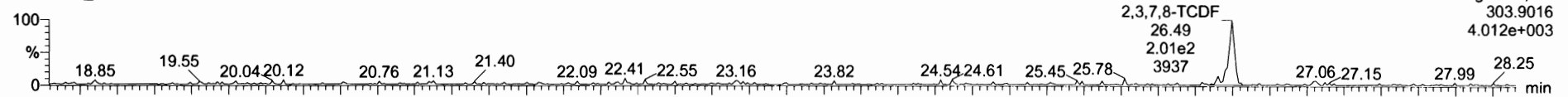
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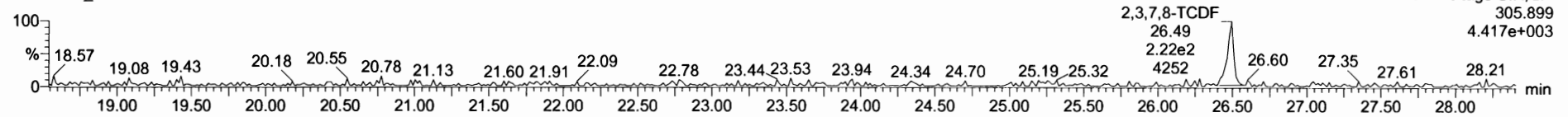
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2,3,7,8-TCDF

210408D1_1

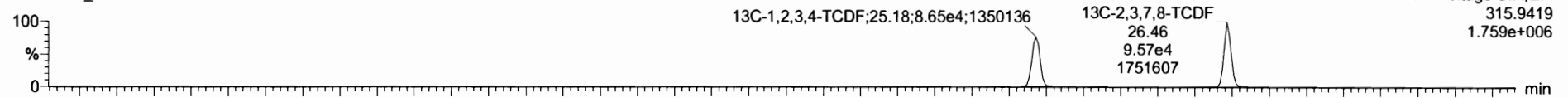


210408D1_1

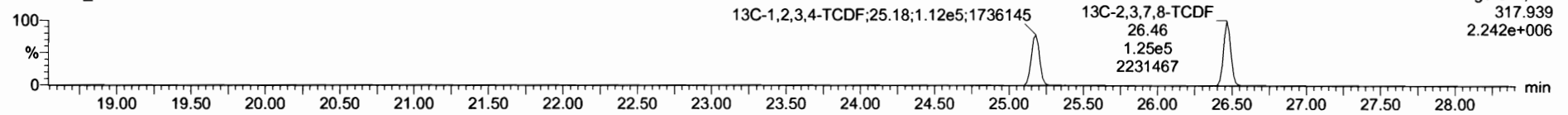


13C-2,3,7,8-TCDF

210408D1_1

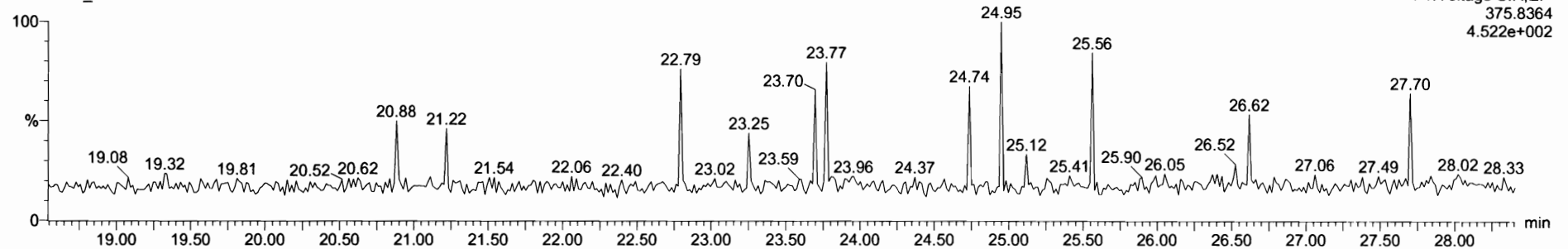


210408D1_1



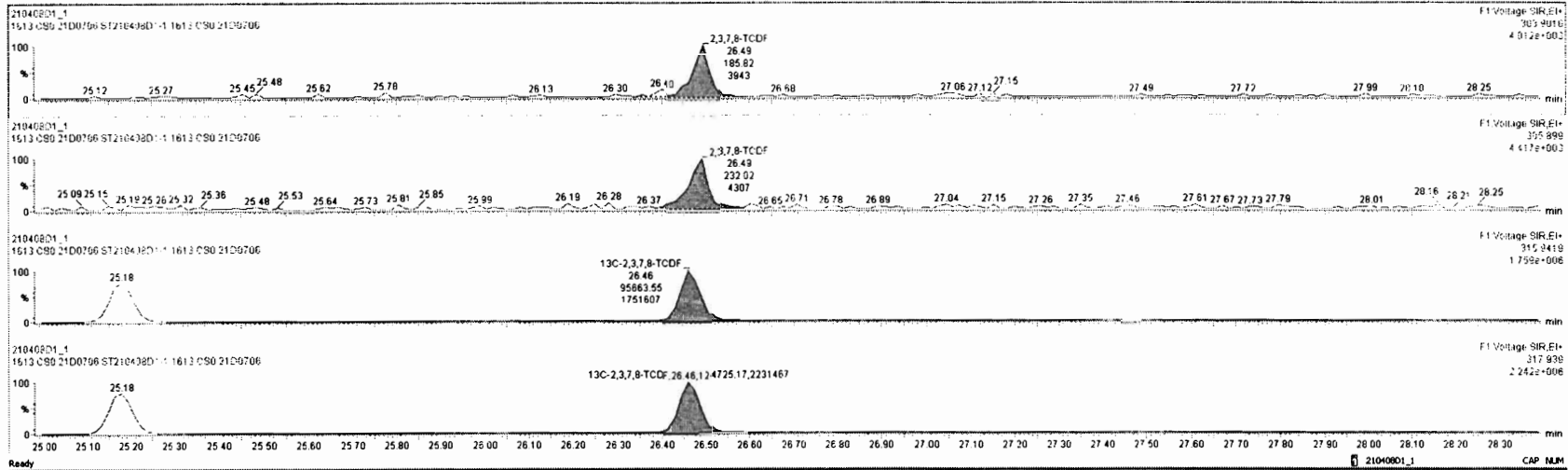
DPE1

210408D1_1



Name	Resp	RA	nly	RRF	wt/Vol	RT	PRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	1.000			3.63	0.298	3.63	
42 Total Hepta-Dioxins				1.07	1.000			1.24	0.253	1.24	
43 Total Tetra-Furans				0.86	1.000			0.220	0.0323	0.220	
44 1st Func. Penta-Furans				0.95	1.000				0.00820		
45 Total Penta-Furans				0.95	1.000			2.36	0.0338	2.36	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 2,3,7,8-TCDF	26.49	1.859e2	2.320e2	0.80	NO	0.22000	0.21951



Dataset: Untitled

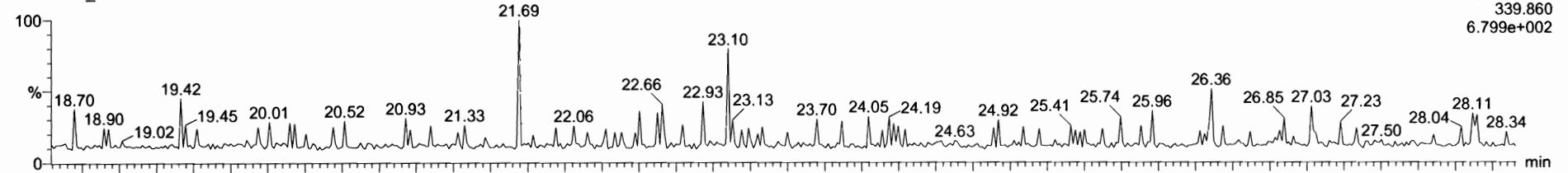
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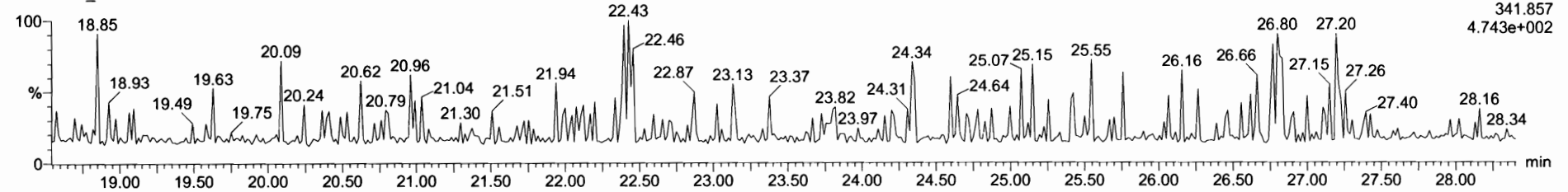
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1st Func. Penta-Furans

210408D1_1

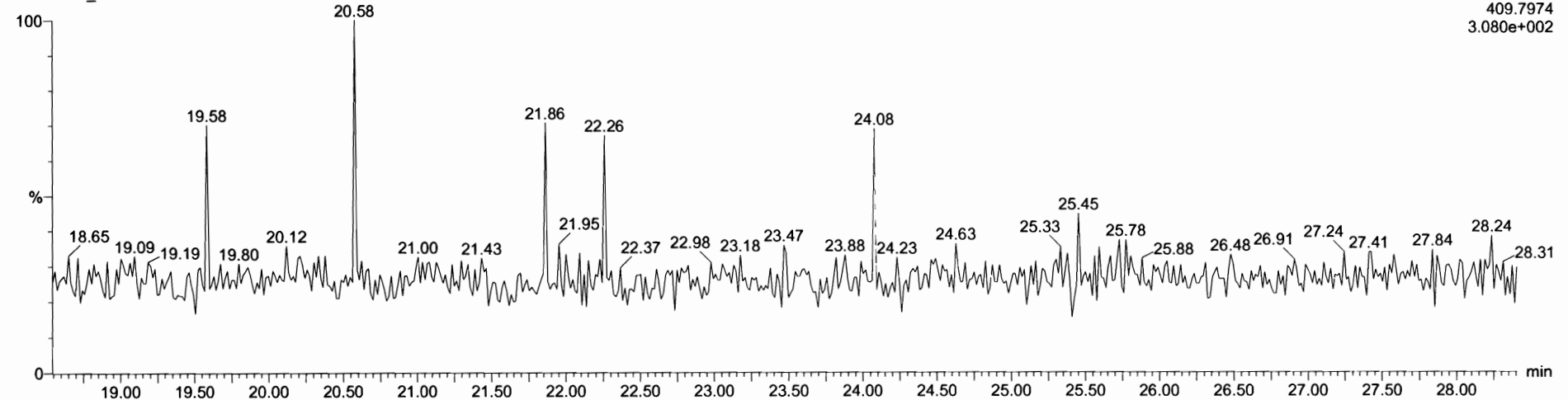


210408D1_1



DPE6

210408D1_1



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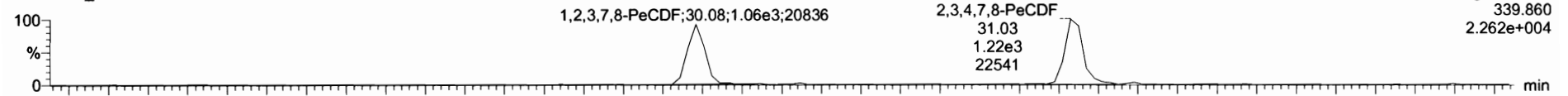
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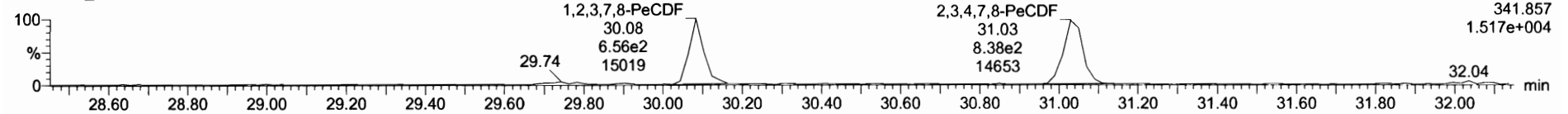
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1,2,3,7,8-PeCDF

210408D1_1

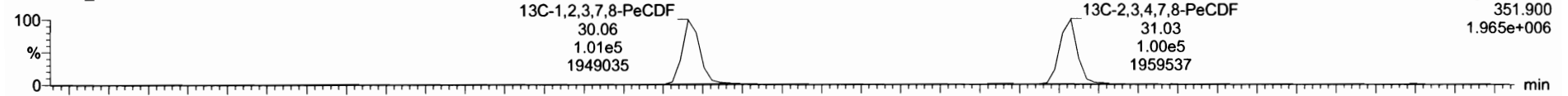


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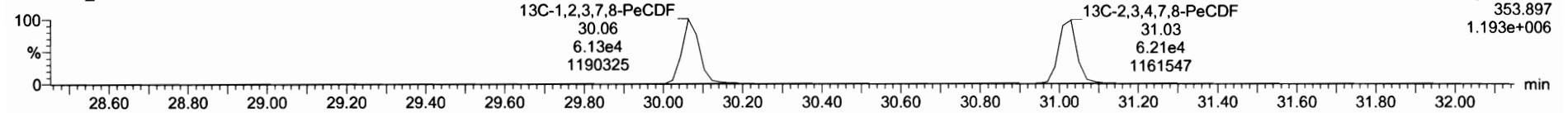


13C-1,2,3,7,8-PeCDF

210408D1_1

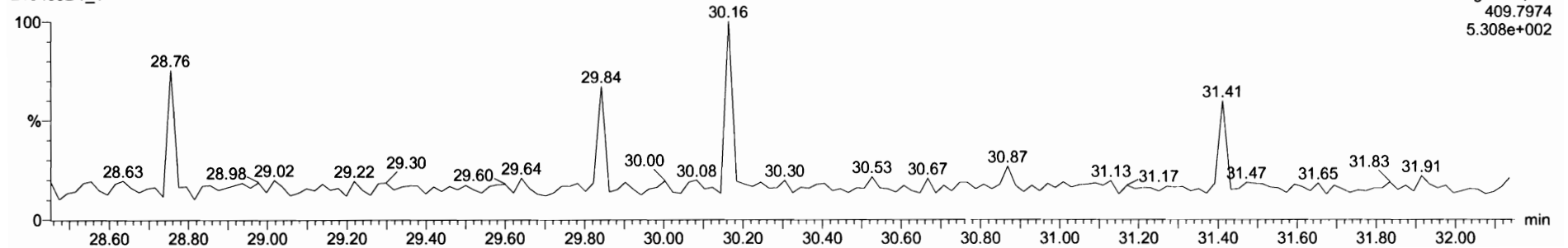


210408D1_1



DPE2

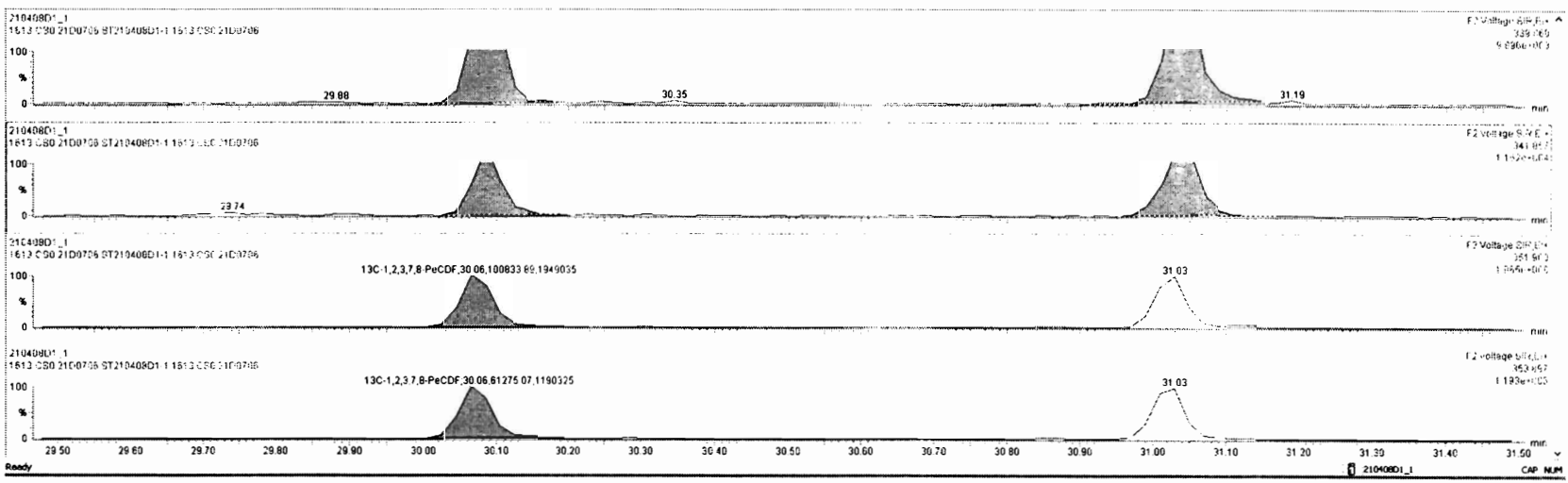
210408D1_1



210408D1_1 - ST210408D1-1 1613 C50 21D0706 - 1613 C50 21D0706

Name	Resp	RA	nV	RFF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	1.000			3.63	0.298	3.63	
42 Total Hepta-Dioxins				1.07	1.000			1.24	0.253	1.24	
43 Total Tetra-Furans				0.86	1.000			0.220	0.0323	0.220	
44 1st Func. Penta-Furans				0.95	1.000				0.0020		
45 Total Penta-Furans				0.95	1.000			2.36	0.0338	2.36	

Name	RT	mV Resp	nV Resp	RA	nV	EMPC	Conc.
1 1,2,3,4,7,8-PeCDF	31.03	1.217e3	8.446e2	1.44	NO	1.2260	1.2258
2 1,2,3,7,8-PeCDF	30.06	1.072e3	6.755e2	1.59	NO	1.1370	1.1367



Dataset: Untitled

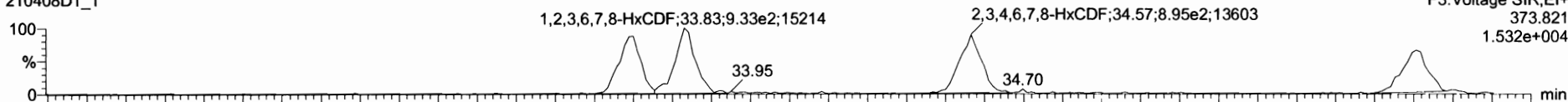
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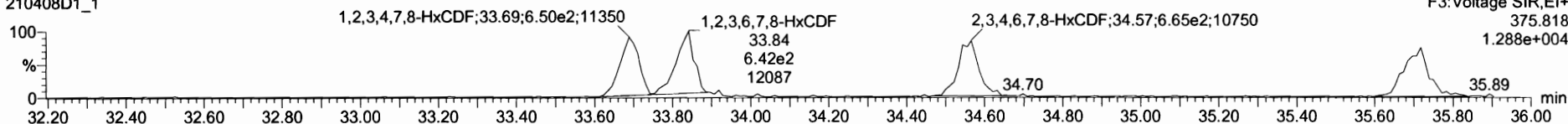
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1,2,3,4,7,8-HxCDF

210408D1_1

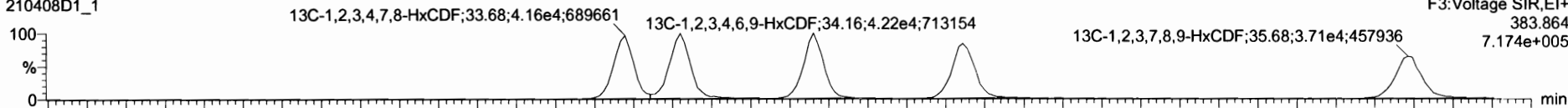


210408D1_1

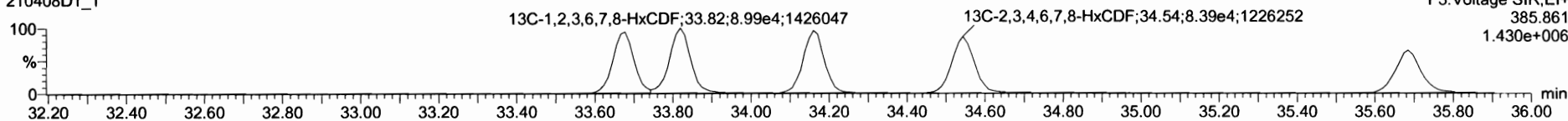


13C-1,2,3,4,7,8-HxCDF

210408D1_1

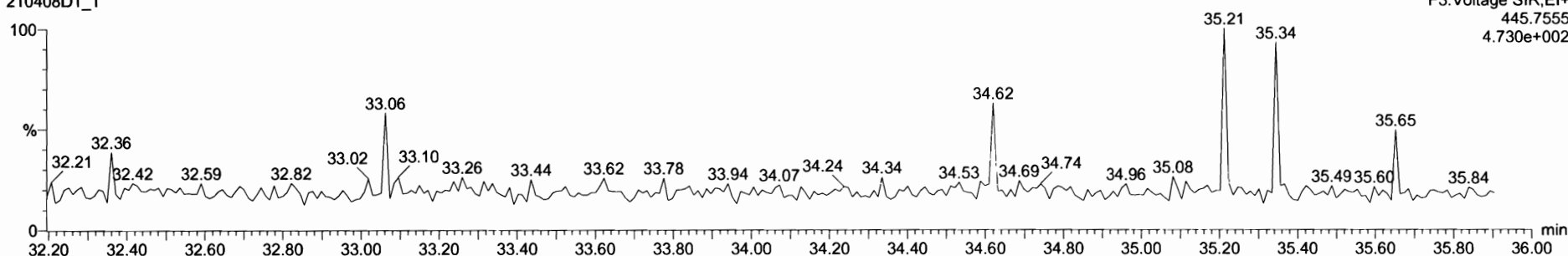


210408D1_1



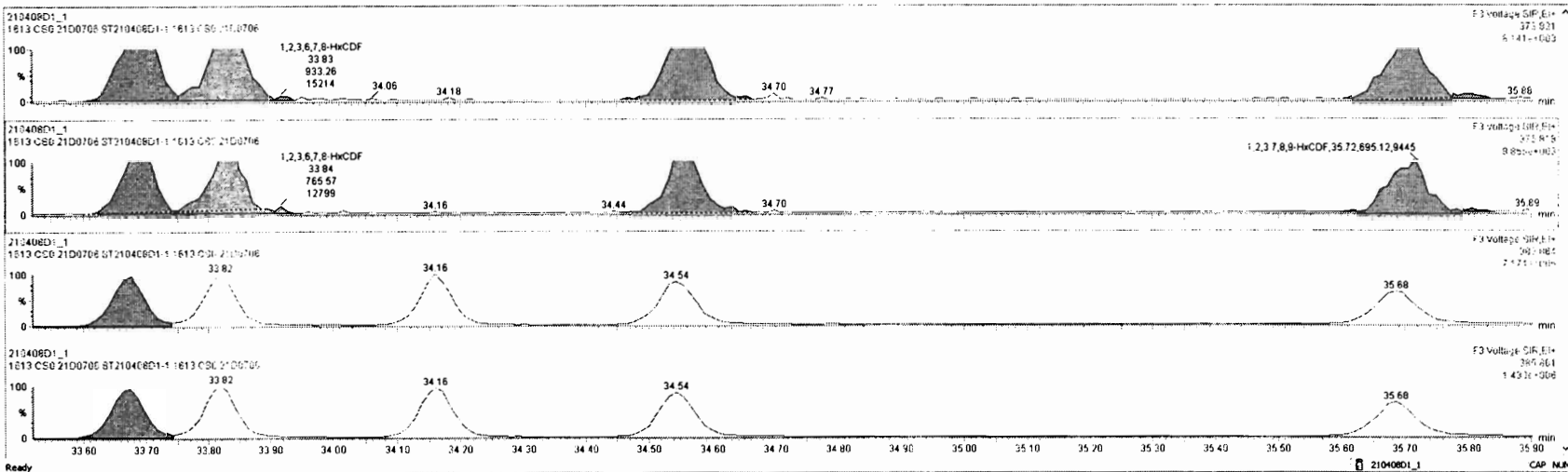
DPE3

210408D1_1



Name	Resp	RA	nHy	RRF	WtAveI	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.01	1.000			3.63		0.298	3.63
42 Total Hepta-Dioxins				1.07	1.000			1.24		0.253	1.24
43 Total Tetra-Furans				0.86	1.000			0.220		0.0323	0.220
44 1st Func. Penta-Furans				0.95	1.000					0.00820	
45 Total Penta-Furans				0.95	1.000			2.36		0.0338	2.36

Name	RT	m1 Resp	m2 Resp	RA	nHy	EMPC	Conc.
1 1,2,3,7,8-HxCDF	35.71	8.280e2	6.951e2	1.19	NO	1.2730	1.2730
2 2,3,4,6,7,8-HxCDF	34.57	9.004e2	6.859e2	1.31	NO	1.1330	1.1334
3 1,2,3,6,7,8-HxCDF	33.83	9.333e2	7.656e2	1.22	NO	1.1750	1.1753
4 1,2,3,4,7,8-HxCDF	33.70	8.739e2	6.853e2	1.27	NO	1.1870	1.1869



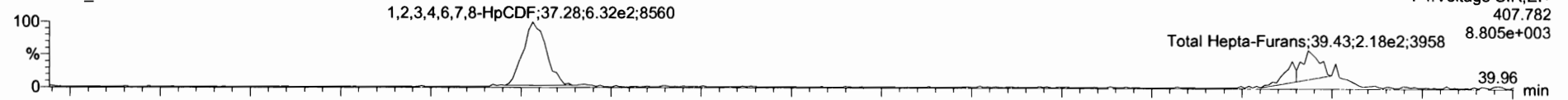
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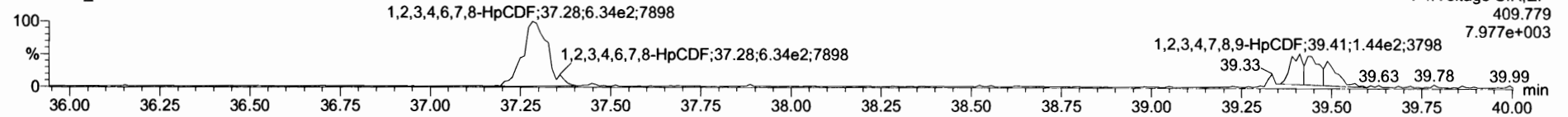
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1,2,3,4,6,7,8-HpCDF

210408D1_1

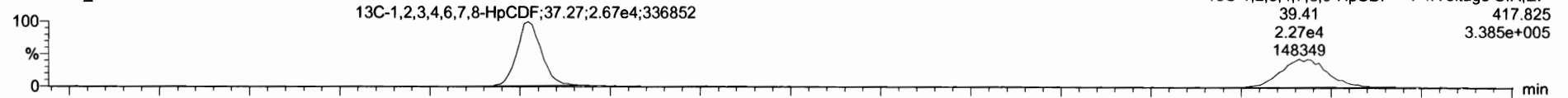


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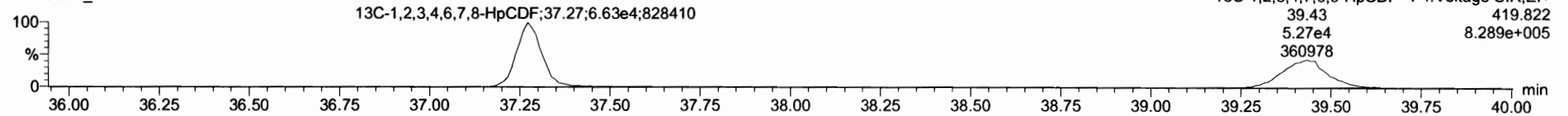


13C-1,2,3,4,6,7,8-HpCDF

210408D1_1

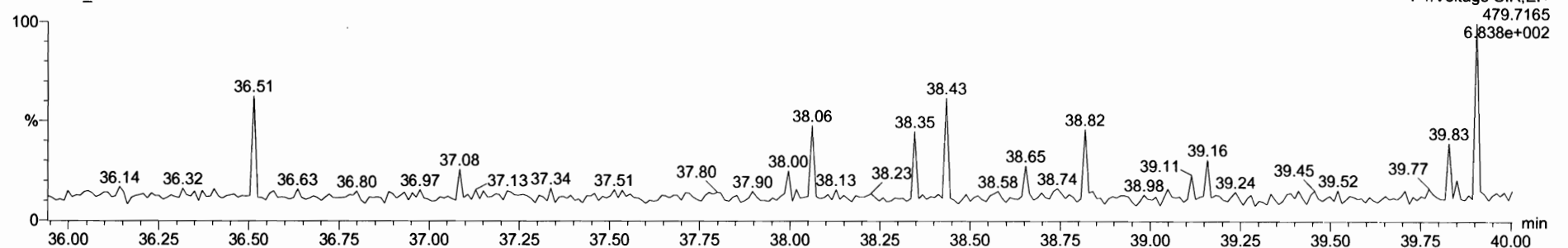


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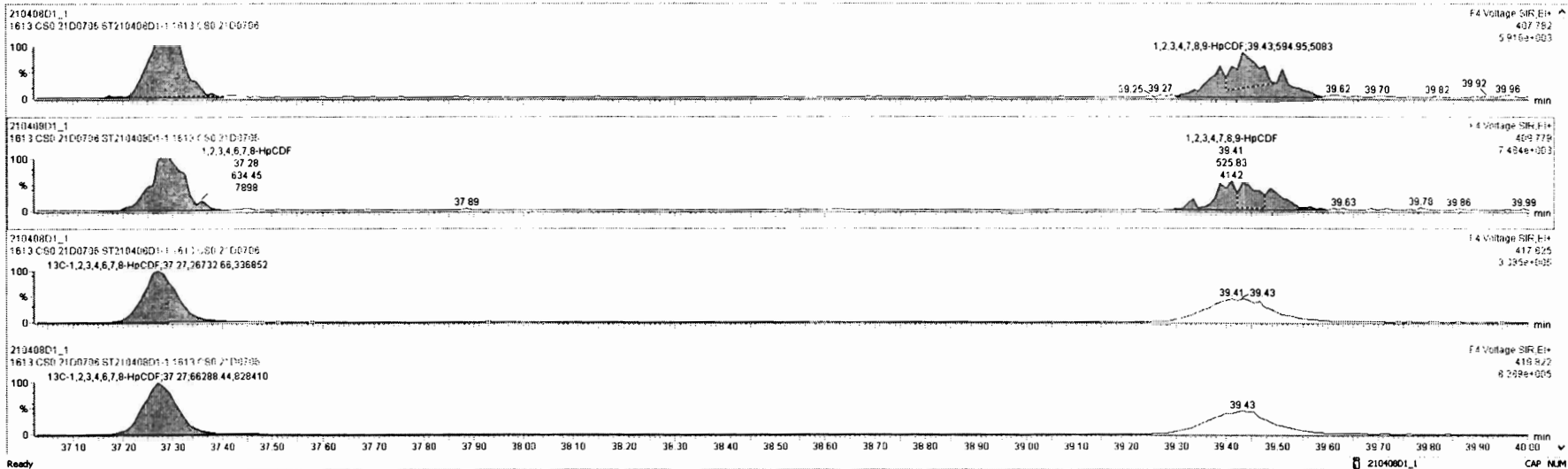
DPE4

210408D1_1



Name	Resp	RA	nV	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
47 Total Hepta-Furans				1.18	1.000			2.48		0.187	2.48
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT	m1 Resp	m2 Resp	RA	nV	EMPC	Conc.
1 1,2,3,4,7,8,9-HpCDF	39.43	5.949e2	5.250e2	1.13	NO	1.2530	1.2528
2 1,2,3,4,6,7,8-HpCDF	37.28	6.714e2	6.345e2	1.06	NO	1.2100	1.2103

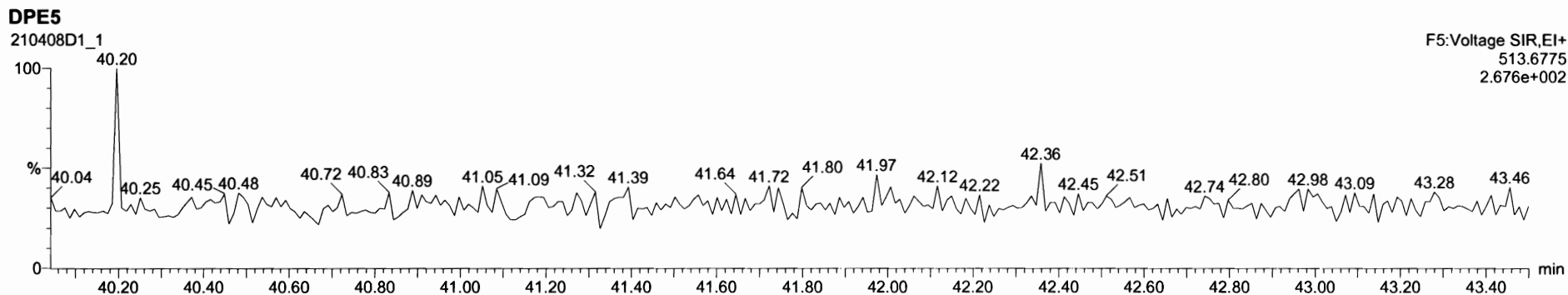
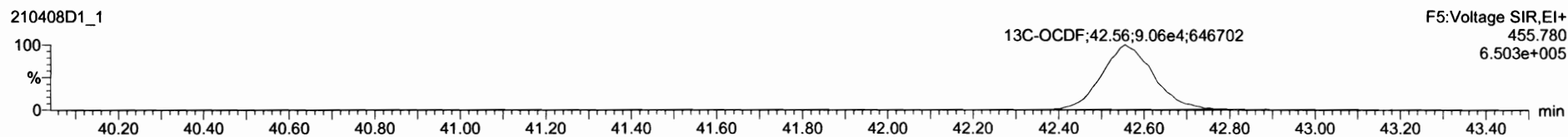
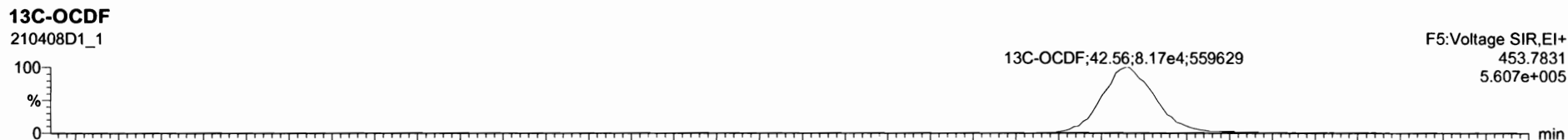
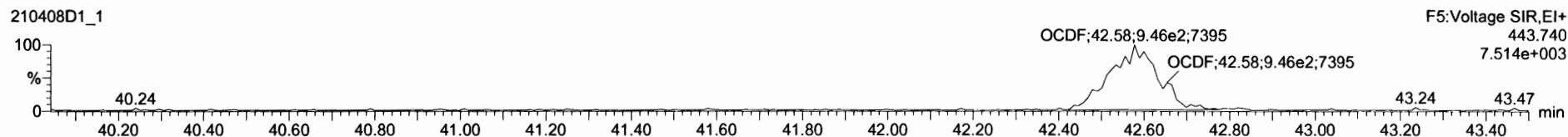
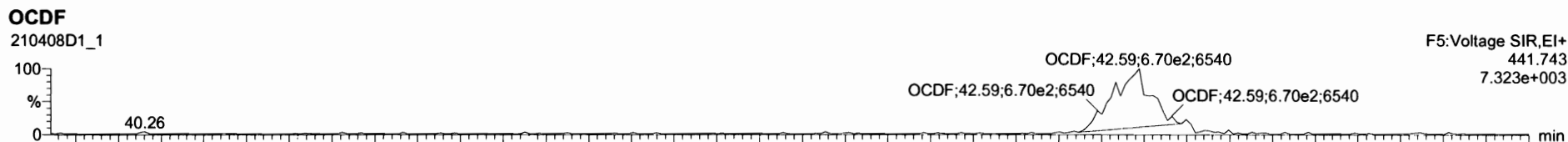


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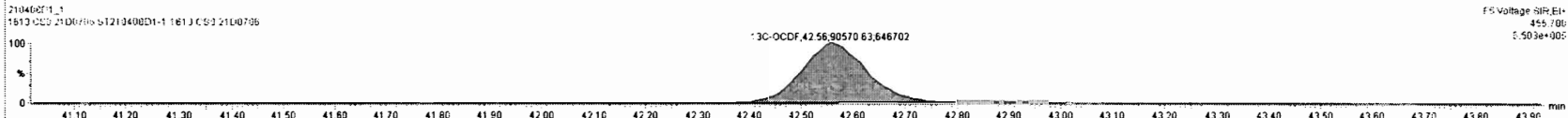
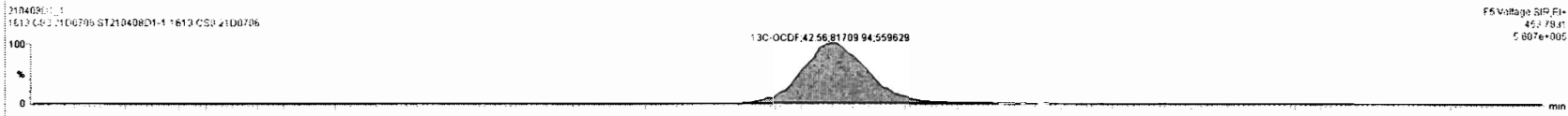
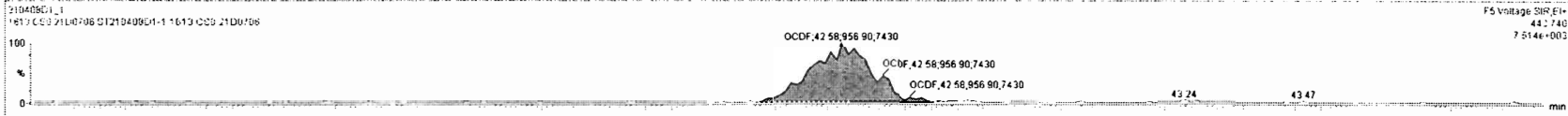
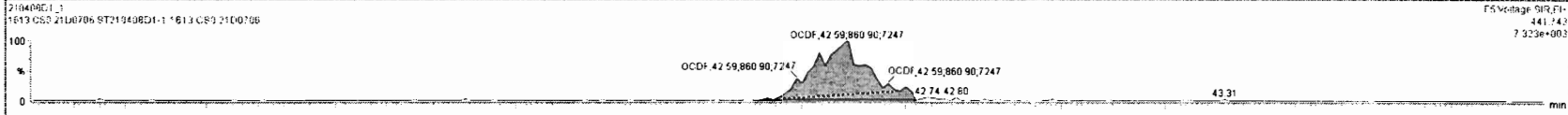
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Name: 210408D1_1, Date: 08-Apr-2021, Time: 08:27:40, ID: ST210408D1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706



#	Name	Resp	IS Resp	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	4.27e2	1.42e5	1.0478	1.000	27.07	27.06	1.0006	1.00	NO	0.287	115	0.0684	0.287
2	1,2,3,7,8-PeCDD	1.21e3	1.07e5	0.8813	1.000	31.21	31.21	1.0007	1.00	NO	1.28	103	0.0556	1.28
3	1,2,3,4,7,8-HxCDD	1.14e3	8.27e4	1.1429	1.000	34.67	34.69	1.0006	1.00	NO	1.21	96.9	0.273	1.21
4	1,2,3,6,7,8-HxCDD	1.15e3	9.49e4	1.0108	1.000	34.81	34.82	1.0006	1.00	NO	1.20	96.1	0.273	1.20
5	1,2,3,7,8,9-HxCDD	1.12e3	9.05e4	1.0194	1.000	35.12	35.13	1.0009	1.00	NO	1.21	97.1	0.311	1.21
6	1,2,3,4,6,7,8-HpCDD	9.55e2	7.20e4	1.0650	1.000	38.63	38.63	1.0003	1.00	NO	1.24	99.6	0.253	1.24
7	OCDD	1.50e3	1.20e5	1.0022	1.000	42.20	42.24	1.0008	1.00	NO	2.48	99.3	0.590	2.48
8	2,3,7,8-TCDF	4.18e2	2.20e5	0.8637	1.000	26.49	26.49	1.0012	1.00	NO	0.220	87.8	0.0223	0.220
9	1,2,3,7,8-PeCDF	1.75e3	1.62e5	0.9484	1.000	30.08	30.08	1.0007	1.00	NO	1.14	90.9	0.0340	1.14
10	2,3,4,7,8-PeCDF	2.08e3	1.62e5	1.0377	1.000	31.06	31.03	1.0000	1.00	NO	1.23	98.1	0.0307	1.23
11	1,2,3,4,7,8-HxCDF	1.56e3	1.26e5	1.0430	1.000	33.70	33.70	1.0007	1.00	NO	1.19	95.0	0.0600	1.19
12	1,2,3,6,7,8-HxCDF	1.70e3	1.35e5	1.0742	1.000	33.83	33.83	1.0004	1.00	NO	1.18	94.0	0.0566	1.18
13	2,3,4,6,7,8-HxCDF	1.59e3	1.25e5	1.1171	1.000	34.55	34.57	1.0006	1.00	NO	1.13	90.7	0.0646	1.13
14	1,2,3,7,8,9-HxCDF	1.52e3	1.09e5	1.0987	1.000	35.89	35.71	1.0006	1.00	NO	1.27	102	0.0886	1.27
15	1,2,3,4,6,7,8-HpCDF	1.31e3	9.30e4	1.1598	1.000	37.31	37.26	1.0003	1.00	NO	1.21	96.8	0.103	1.21
16	1,2,3,4,7,8,9-HpCDF	1.12e3	7.54e4	1.1889	1.000	39.41	39.43	1.0006	1.00	NO	1.25	100	0.240	1.25
17	OCDF	1.82e3	1.72e5	0.8086	1.000	42.56	42.58	1.0008	1.00	NO	2.32	82.8	0.211	2.32

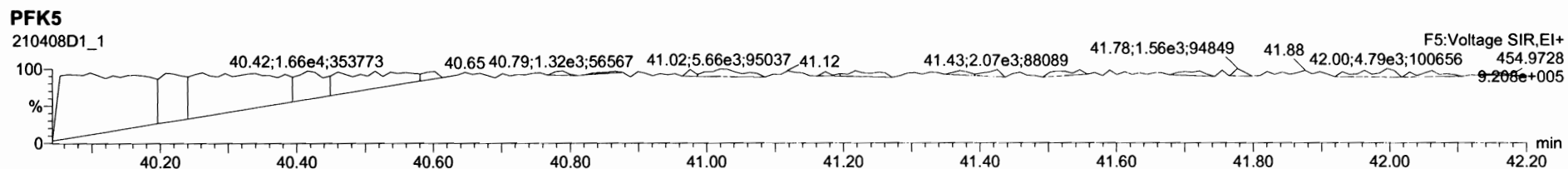
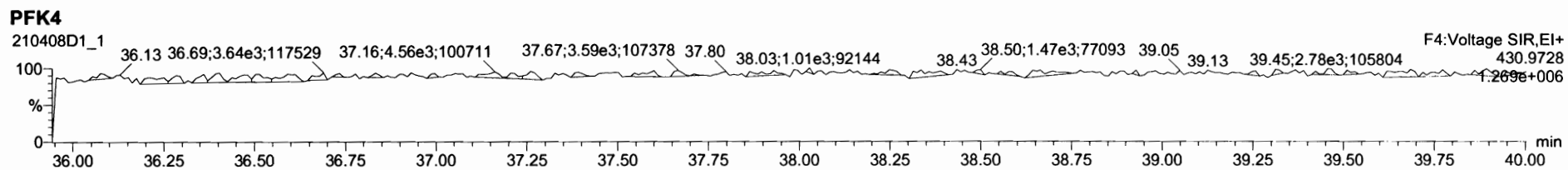
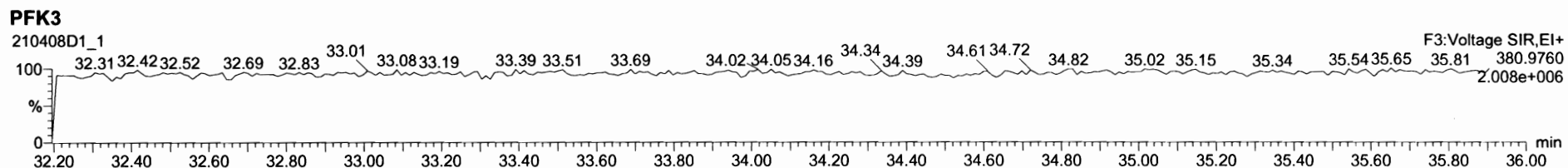
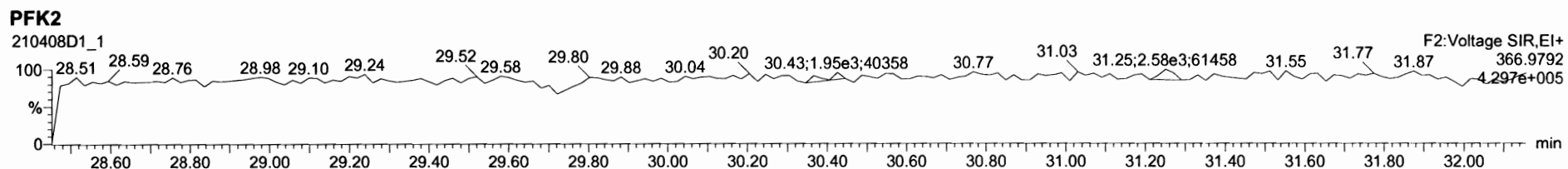
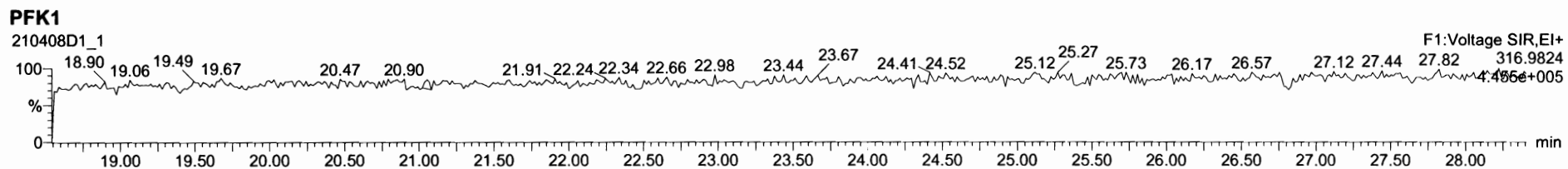


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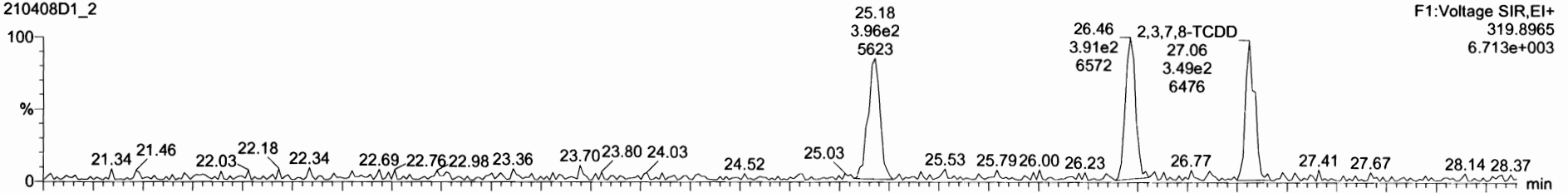
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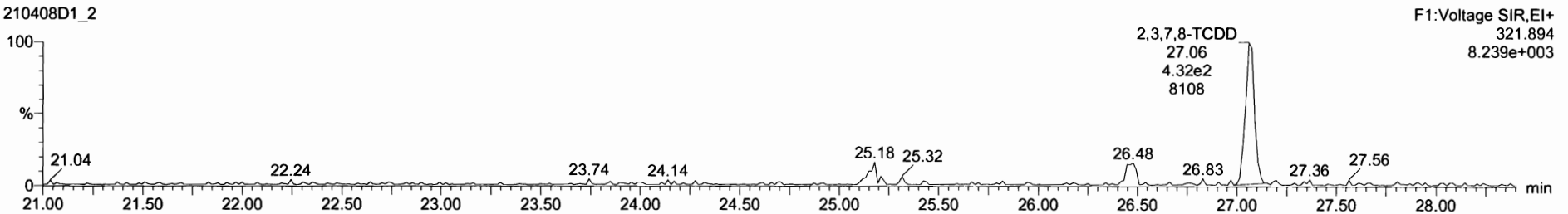
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2,3,7,8-TCDD

210408D1_2

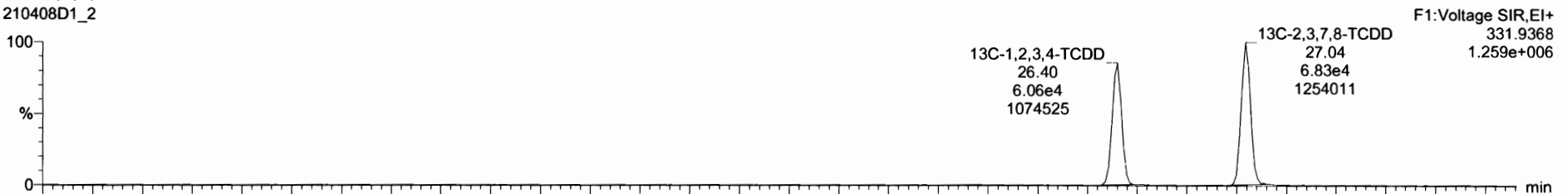


210408D1_2

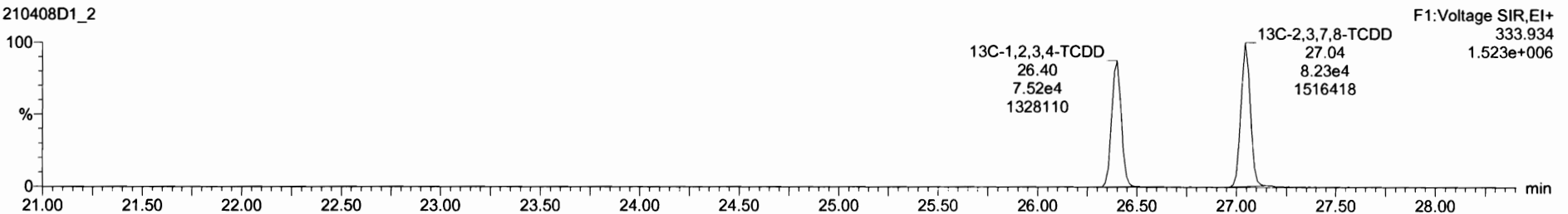


13C-2,3,7,8-TCDD

210408D1_2

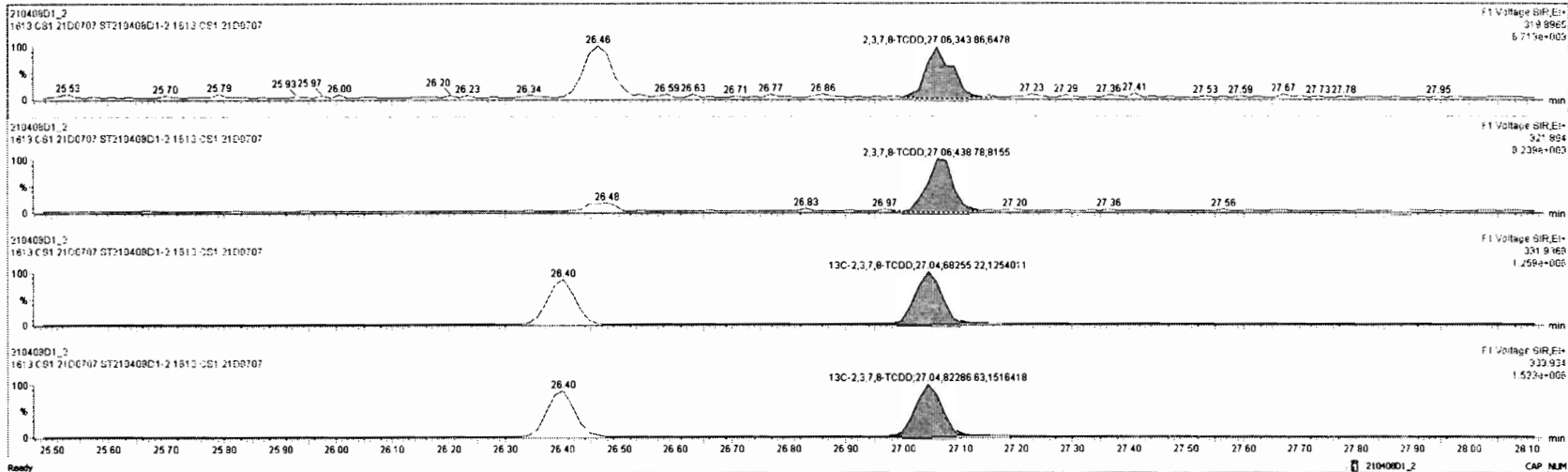


210408D1_2



Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
37 13C-1,2,3,4-TCDF	2.20e5	0.77	NO	1.00	1.000	25.18	1.000	100	100	0.221	
38 13C-1,2,3,4,6,9-HxCDF	1.41e5	0.50	NO	1.00	1.000	34.14	1.000	100	100	0.396	
39 Total Tetra-Dioxins				1.05	1.000			0.488		0.0518	0.496
40 Total Penta-Dioxins				0.88	1.000			2.40		0.0555	2.87
41 Total Hexa-Dioxins				1.01	1.000			7.18		0.147	7.18
42 Total Hepta-Dioxins				1.07	1.000			2.36		0.109	2.36
43 Total Tetra-Furans				0.86	1.000			0.499		0.0261	0.499

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 2,3,7,8-TCDD	27.06	3.439e2	4.369e2	0.78	NO	0.49600	0.49615



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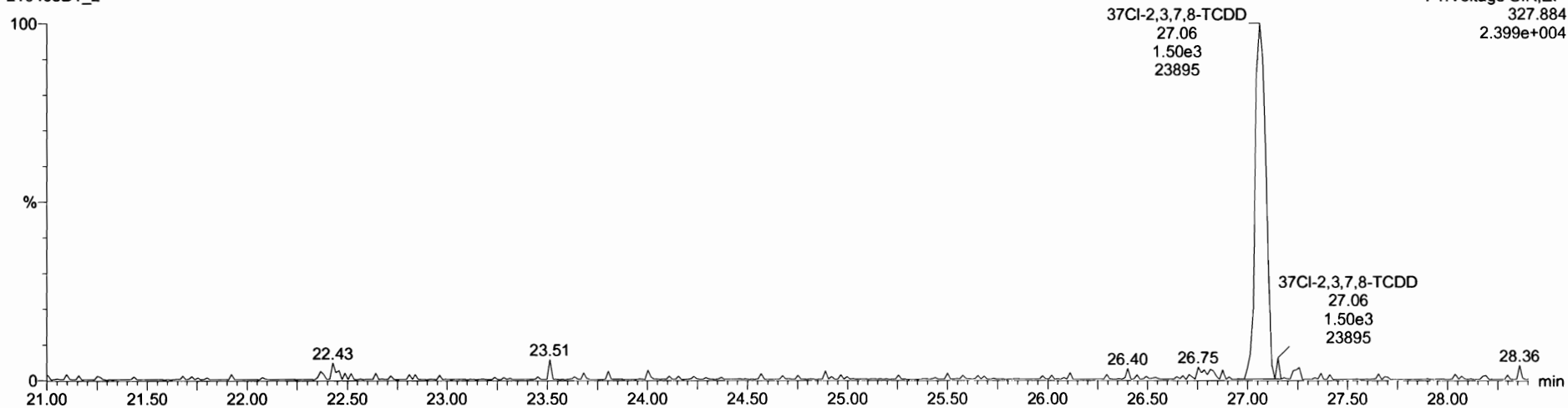
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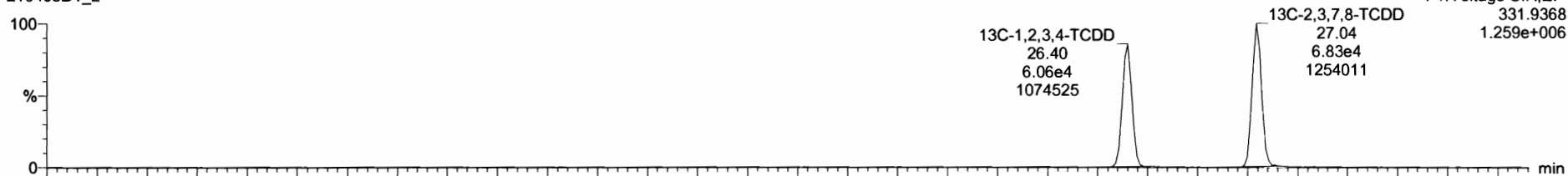
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210408D1_2

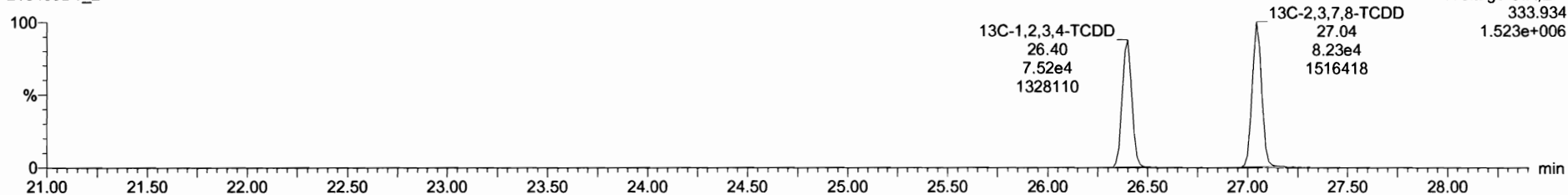


13C-1,2,3,4-TCDD

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210408D1_2



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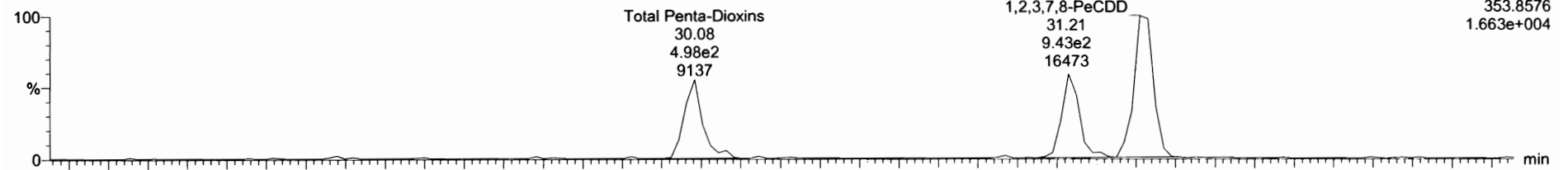
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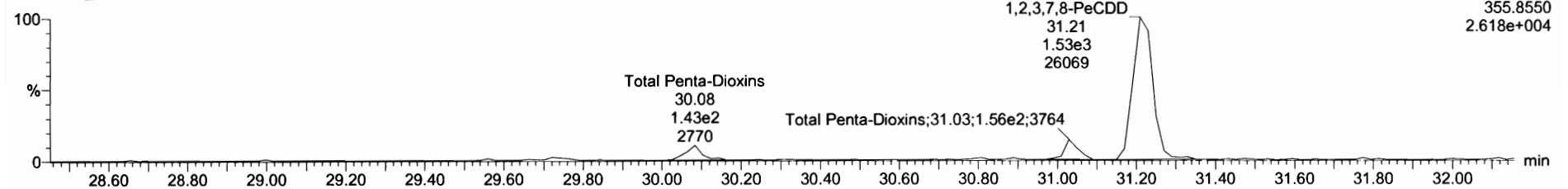
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1,2,3,7,8-PeCDD

210408D1_2

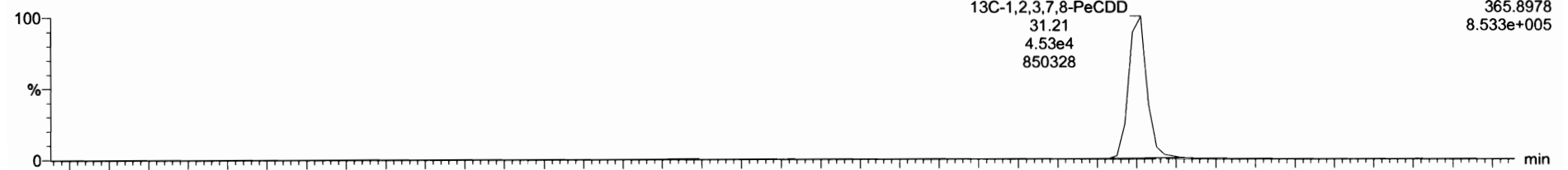


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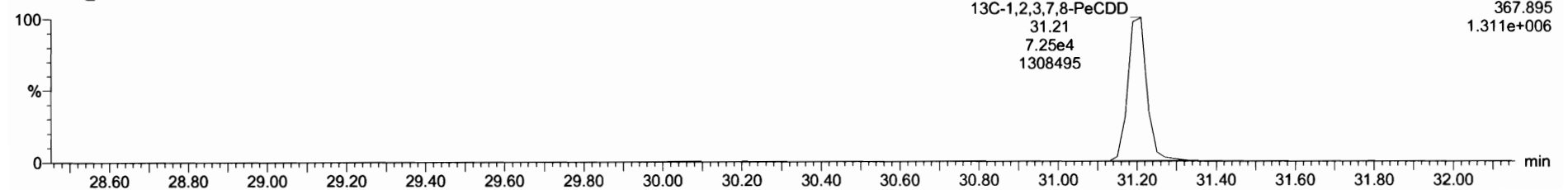


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210408D1_2

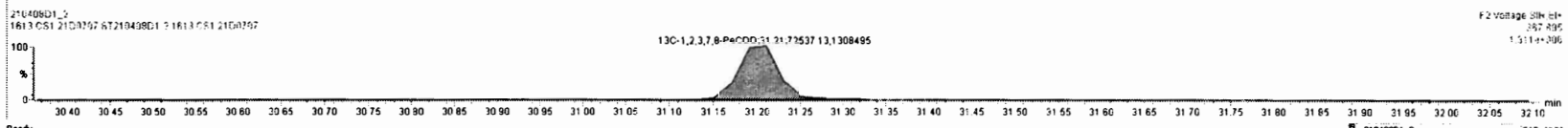
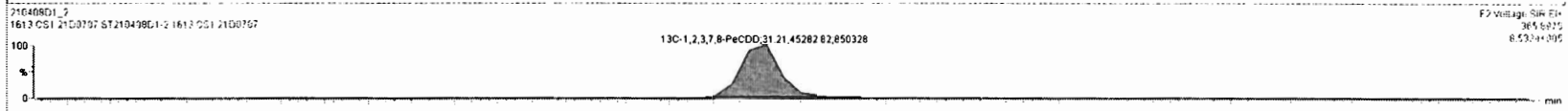
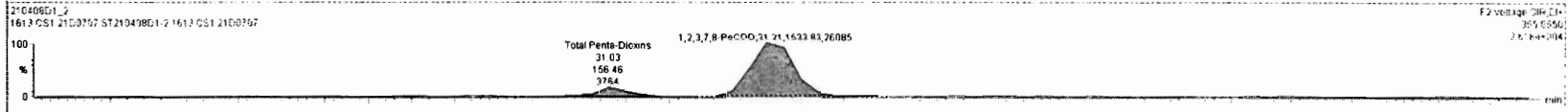
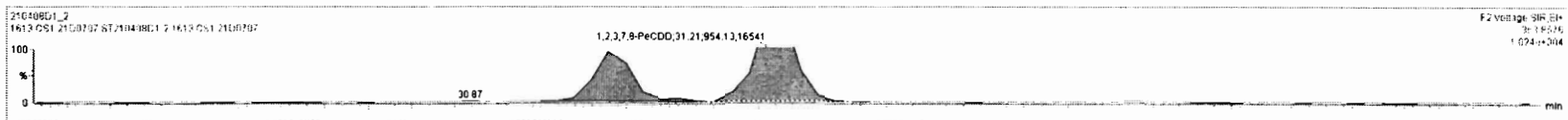


210408D1_2



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
37 13C-1,2,3,4-TCDF	2.20e5	0.77	NO	1.00	1.000	25.18	1.000	100	100	0.221	
38 13C-1,2,3,4,6,9-HxCDF	1.41e5	0.50	NO	1.00	1.000	34.14	1.000	100	100	0.396	
39 Total Tetra-Dioxins				1.05	1.000			0.496	0.0519	0.496	
40 Total Penta-Dioxins				0.88	1.000			2.40	0.0555	2.87	
41 Total Hexa-Dioxins				1.01	1.000			7.18	0.147	7.18	
42 Total Hepta-Dioxins				1.07	1.000			2.36	0.109	2.36	
43 Total Tetra-Furans				0.86	1.000			0.499	0.0261	0.499	

Name	RT	wt Resp	n2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8-PeCDD	31.21	9.541e2	1.524e2	0.62	NO	2.2960	2.2961
2 Total Penta-Dioxins	31.03	5.018e2	1.565e2	3.21	YES	0.24600	0.00000
3 Total Penta-Dioxins	30.08	4.980e2	1.427e2	3.49	YES	0.22400	0.00000



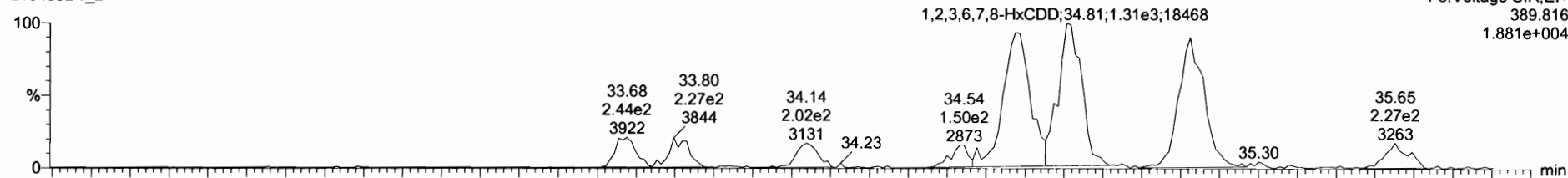
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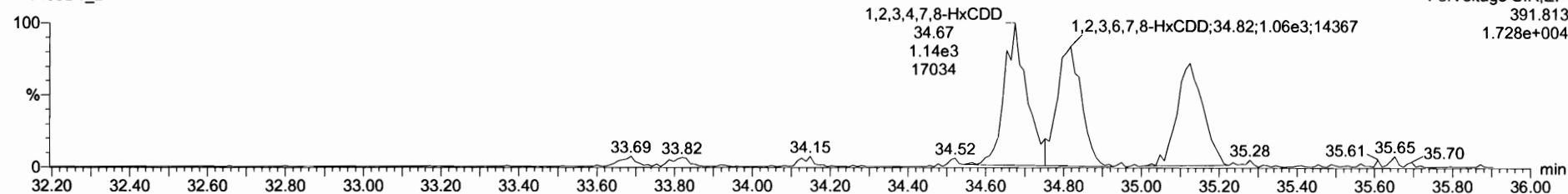
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1,2,3,4,7,8-HxCDD

210408D1_2

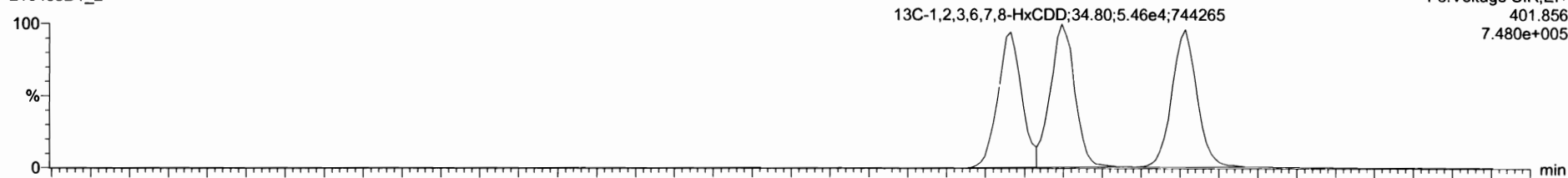


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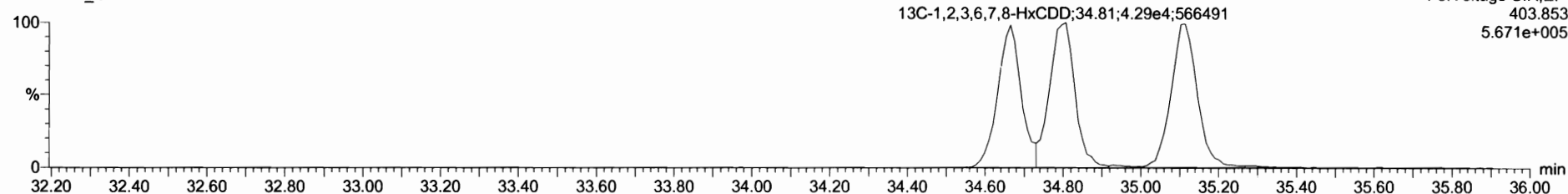


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210408D1_2



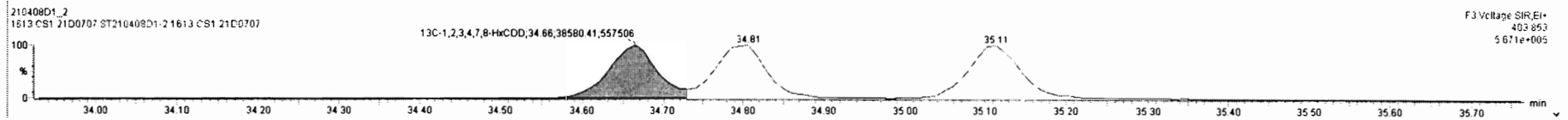
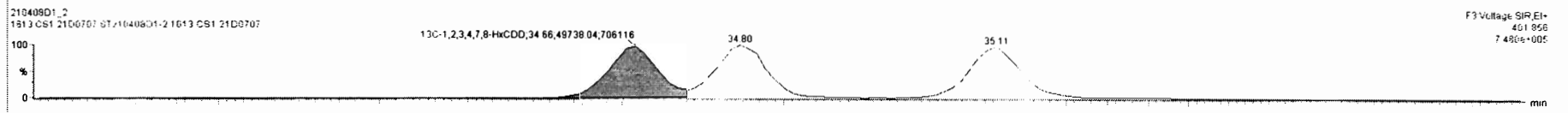
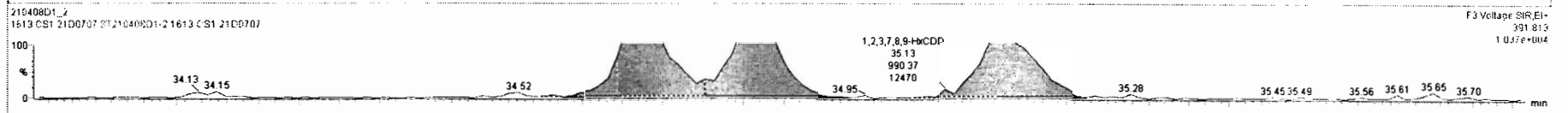
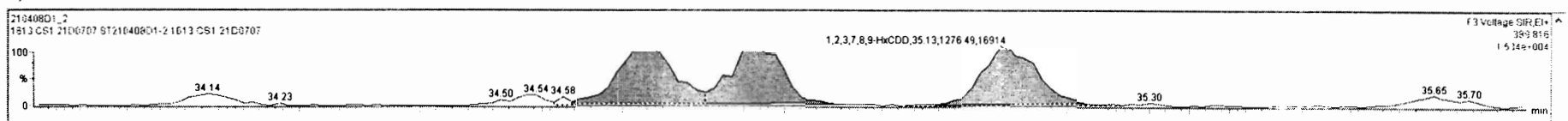
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210408D1_2 - ST210408D1-2 1613 CS1 21D0707 - 1613 CS1 21D0707

Name	Resp	RA	nly	RRF	wAvd	RT	RRT	Conc	%Rec	DL	BMP
37 13C-1,2,3,4-TCDF	2.20e5	0.77	NO	1.00	1.000	25.18	1.000	100	100	0.221	
38 13C-1,2,3,4,6,8-HxCDF	1.41e5	0.50	NO	1.00	1.000	34.14	1.000	100	100	0.396	
39 Total Tetra-Dioxins				1.05	1.000			0.496		0.0519	0.496
40 Total Penta-Dioxins				0.88	1.000			2.40		0.0555	2.87
41 Total Hexa-Dioxins				1.01	1.000			7.18		0.147	7.18
42 Total Hepta-Dioxins				1.07	1.000			2.36		0.109	2.36
43 Total Tetra-Furans				0.96	1.000			0.499		0.0261	0.499

Name	RT	m1 Resp	m2 Resp	RA	nly	BMP	Conc.
1 1,2,3,7,8,9-HxCDD	35.13	1.276e3	9.904e2	1.29	NO	2.2720	2.2724
2 1,2,3,6,7,8-HxCDD	34.81	1.309e3	1.055e3	1.24	NO	2.4000	2.3996
3 1,2,3,4,7,8-HxCDD	34.67	1.384e3	1.148e3	1.21	NO	2.5090	2.5088



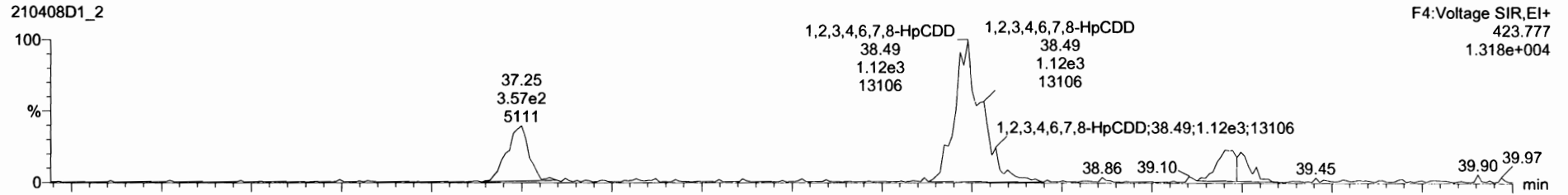
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Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

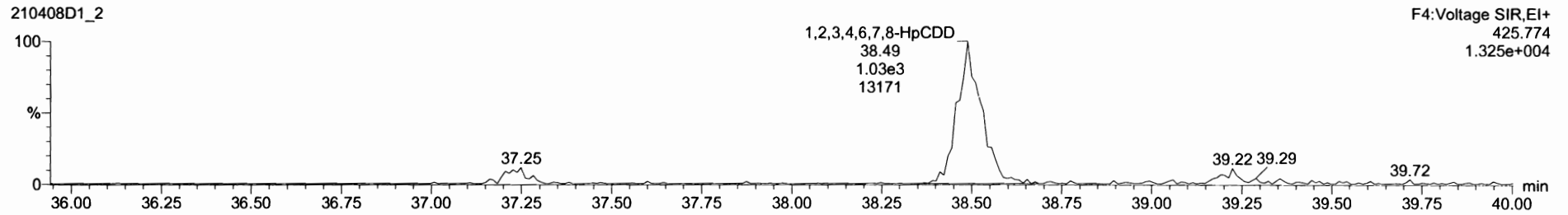
Name: 210408D1_2, Date: 08-Apr-2021, Time: 09:21:02, ID: ST210408D1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

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

210408D1_2

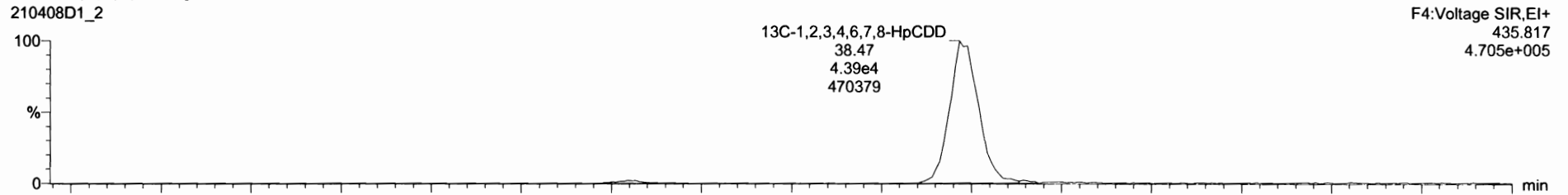


210408D1_2

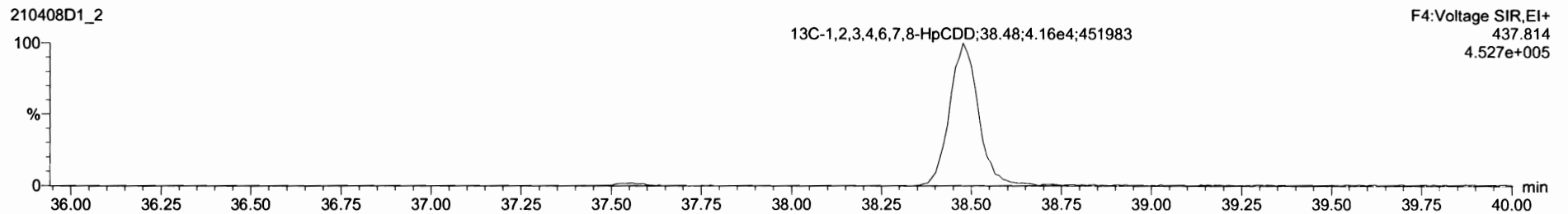


13C-1,2,3,4,6,7,8-HpCDD

210408D1_2



210408D1_2

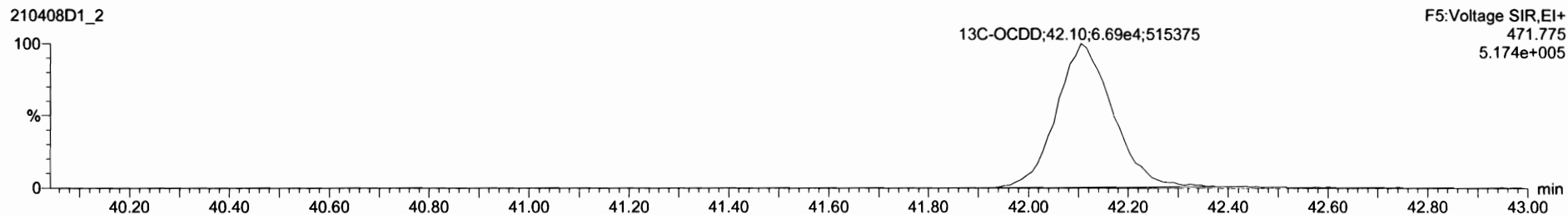
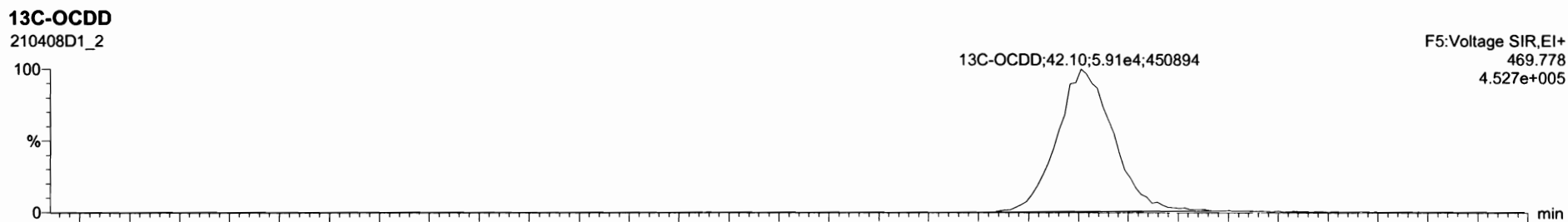
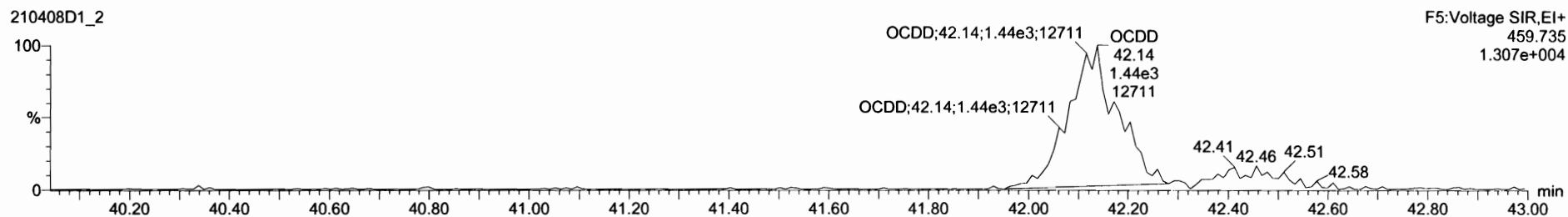
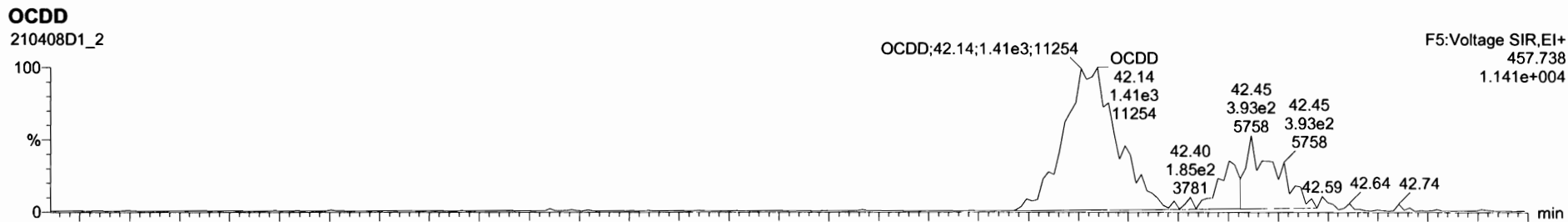


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Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

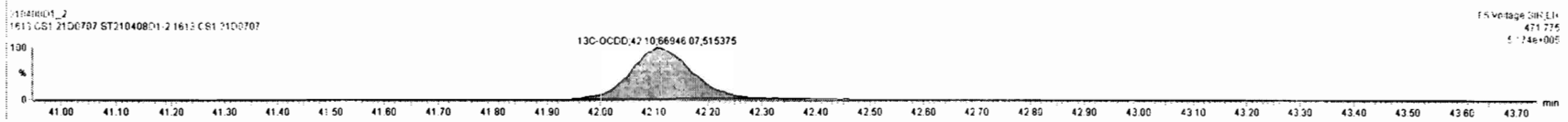
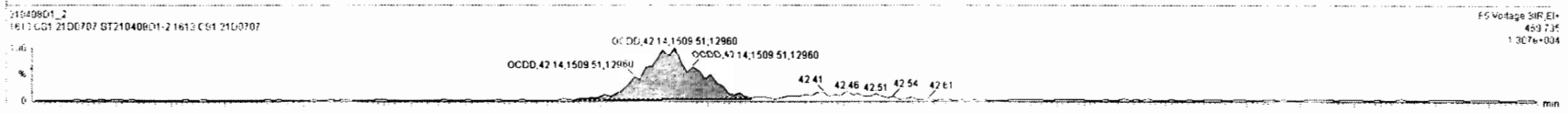
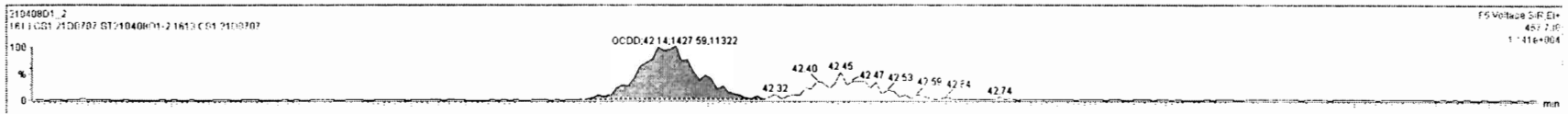
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_2, Date: 08-Apr-2021, Time: 09:21:02, ID: ST210408D1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707



Name	Resp	RA	n/y	R/F	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
2,3,7,8-TCDD	7.83e2	0.78	NO	1.05	1.000	27.06	1.001	0.496	99.2	0.0519	0.496
1,2,3,7,8-PeCDD	2.49e3	0.62	NO	0.88	1.000	31.21	1.000	2.40	95.6	0.0555	2.40
1,2,3,4,7,8-HxCDD	2.53e3	1.21	NO	1.14	1.000	34.67	1.000	2.51	100	0.135	2.51
1,2,3,6,7,8-HxCDD	2.36e3	1.24	NO	1.01	1.000	34.81	1.000	2.40	96.0	0.144	2.40
1,2,3,7,8,9-HxCDD	2.27e3	1.29	NO	1.02	1.000	35.13	1.000	2.27	90.9	0.145	2.27
1,2,3,4,6,7,8-HxCDD	2.15e3	1.09	NO	1.07	1.000	36.49	1.001	2.36	94.3	0.100	2.36
OCDD	2.84e3	0.96	NO	1.00	1.000	42.14	1.001	4.65	83.0	0.002	4.65

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

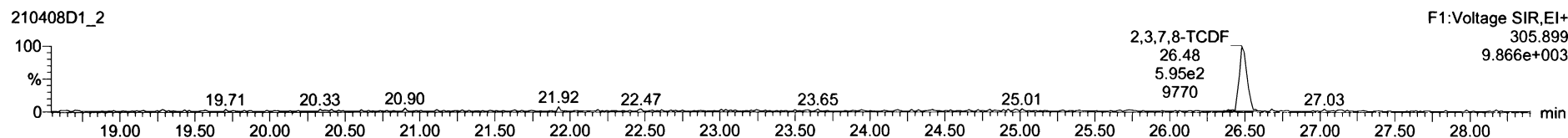
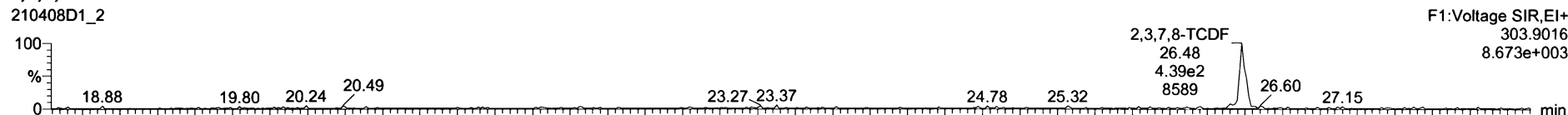


Dataset: Untitled

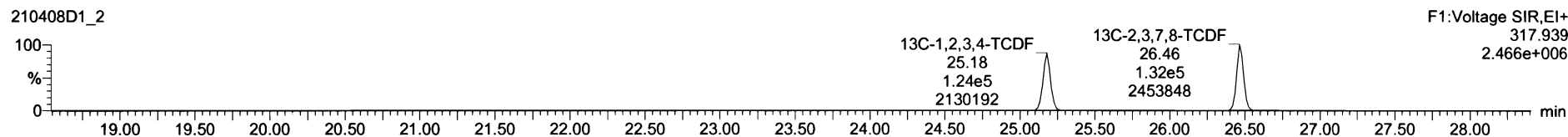
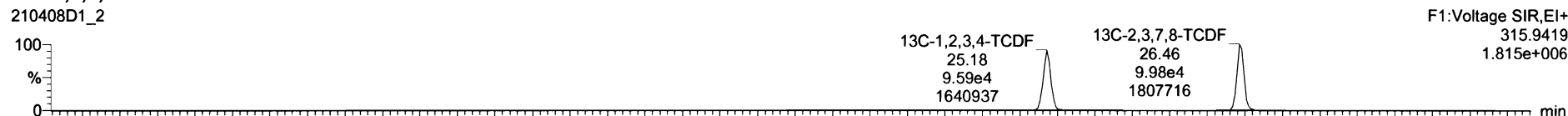
Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_2, Date: 08-Apr-2021, Time: 09:21:02, ID: ST210408D1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

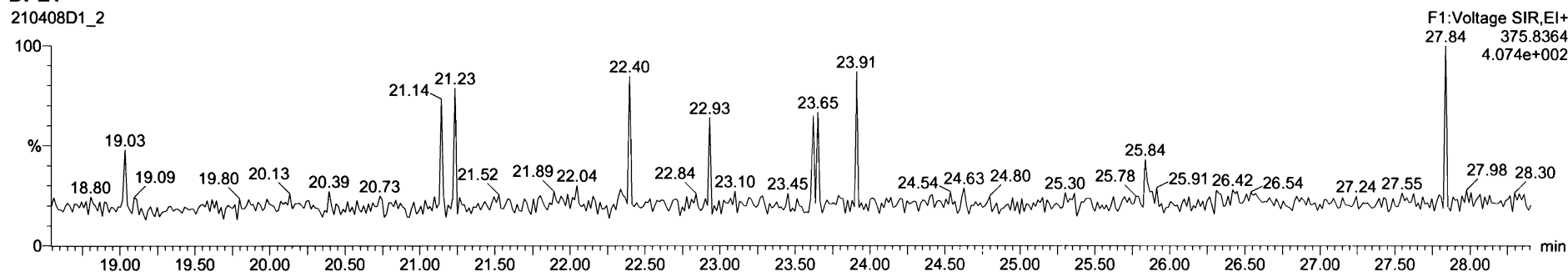
2,3,7,8-TCDF



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

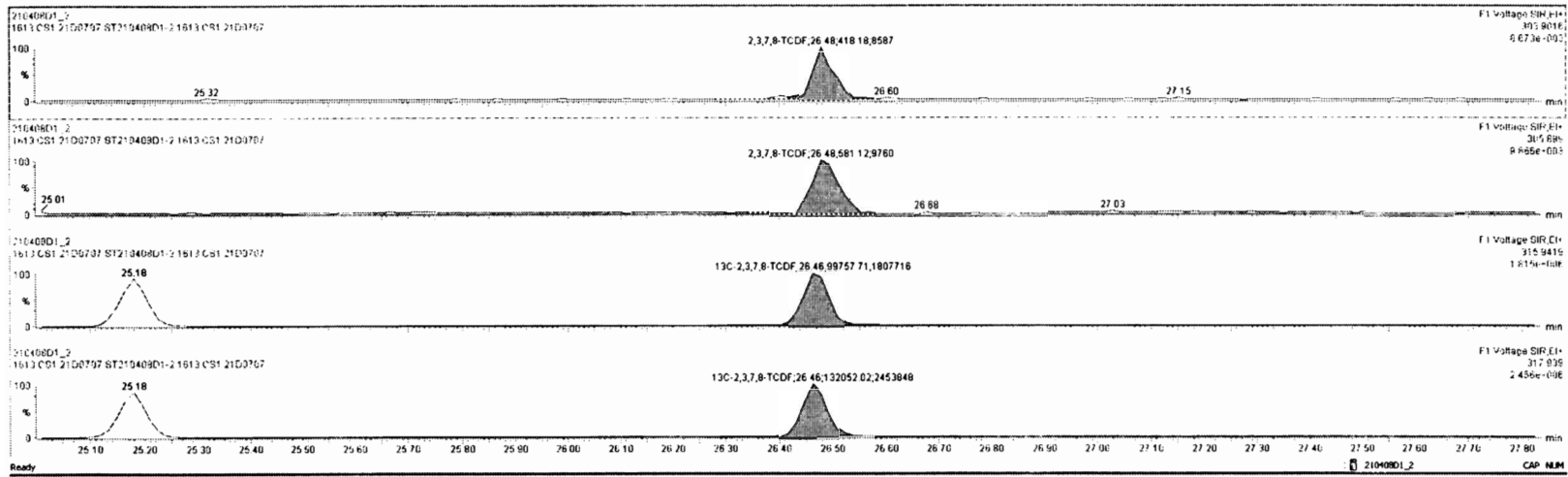


DPE1



Name	Resp	RA	nly	RRF	wInd	RT	RRT	Conc	%Rec	DL	EMPC
37 13C-1,2,3,4-TCDF	2.20e5	0.77	NO	1.00	1.000	25.18	1.000	100	100	0.221	
38 13C-1,2,3,4,6,9,10-TCDF	1.41e5	0.50	NO	1.00	1.000	34.14	1.000	100	100	0.396	
39 Total Tetra-Dioxins				1.05	1.000			0.496		0.0519	0.496
40 Total Penta-Dioxins				0.88	1.000			2.40		0.0555	2.87
41 Total Hexa-Dioxins				1.01	1.000			7.18		0.147	7.18
42 Total Hepta-Dioxins				1.07	1.000			2.36		0.109	2.36
43 Total Tetra-Furans				0.86	1.000			0.499		0.0261	0.499

Name	RT	int Resp	nt Resp	RA	nly	EMPC	Conc
1 2,3,7,8-TCDF	26.48	4.162e2	5.811e2	0.72	NO	0.49900	0.49912



Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

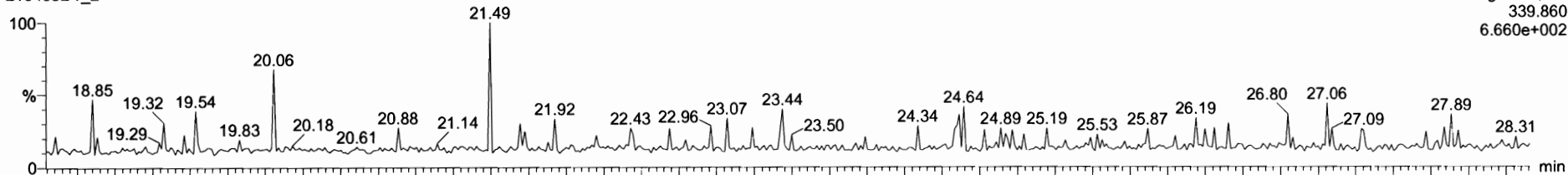
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_2, Date: 08-Apr-2021, Time: 09:21:02, ID: ST210408D1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

1st Func. Penta-Furans

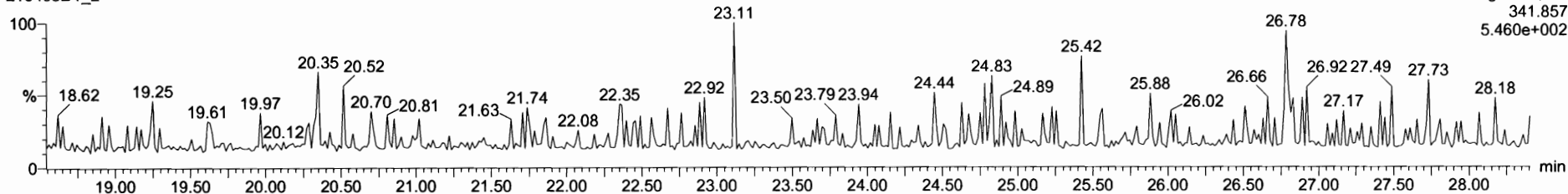
210408D1_2

F1:Voltage SIR,EI+
339.860
6.660e+002



210408D1_2

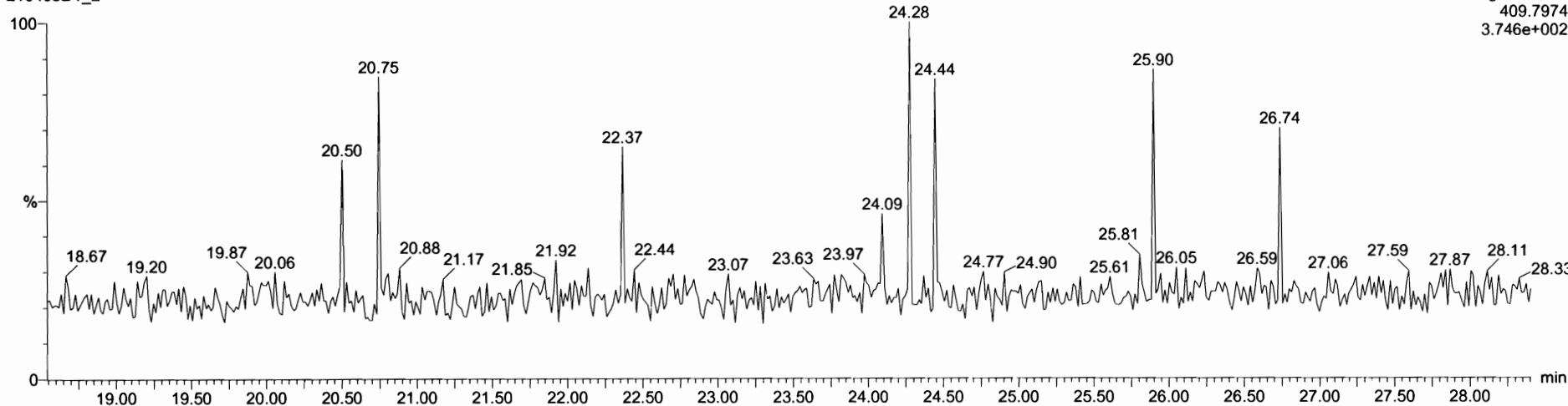
F1:Voltage SIR,EI+
341.857
5.460e+002



DPE6

210408D1_2

F1:Voltage SIR,EI+
409.7974
3.746e+002



Dataset: Untitled

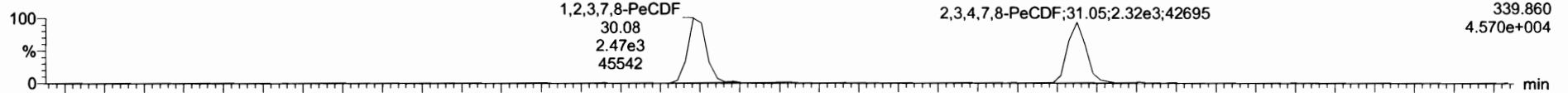
Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

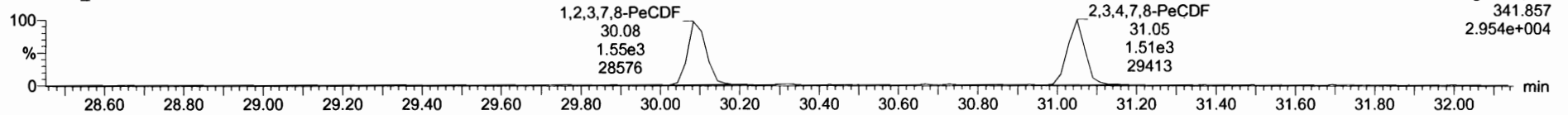
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1,2,3,7,8-PeCDF

210408D1_2

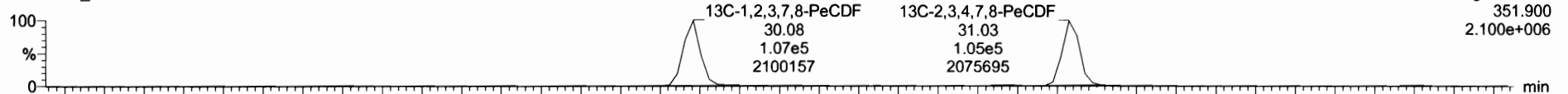


210408D1_2

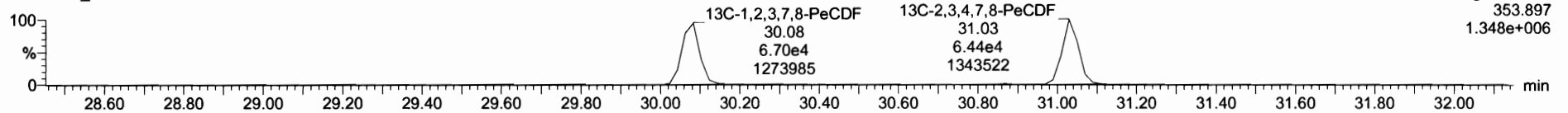


13C-1,2,3,7,8-PeCDF

210408D1_2

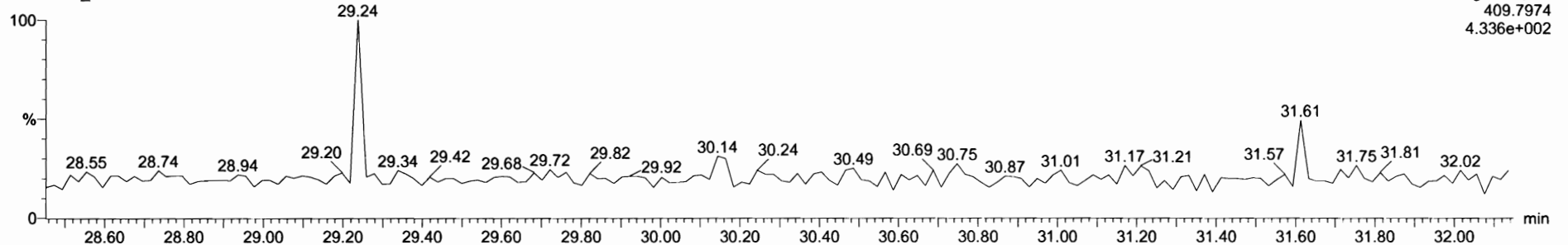


210408D1_2



DPE2

210408D1_2



Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

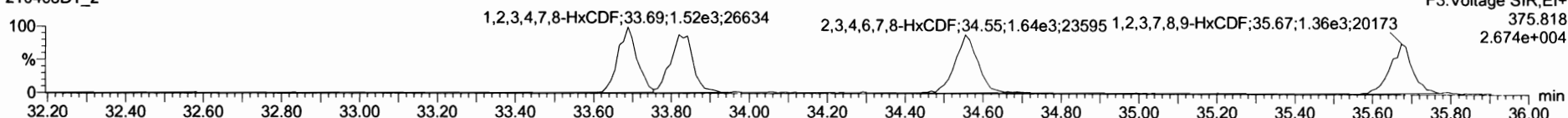
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1,2,3,4,7,8-HxCDF

210408D1_2

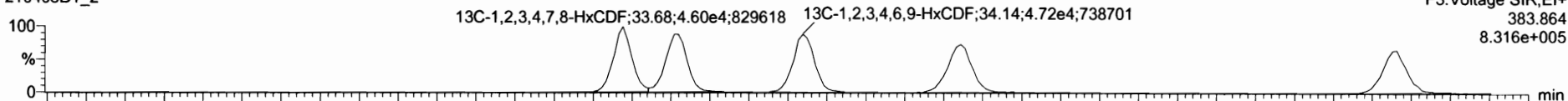


210408D1_2

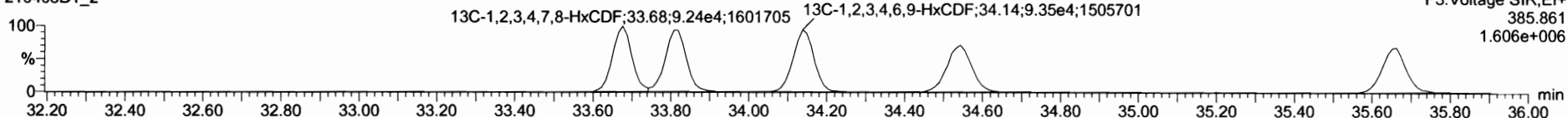


13C-1,2,3,4,7,8-HxCDF

210408D1_2

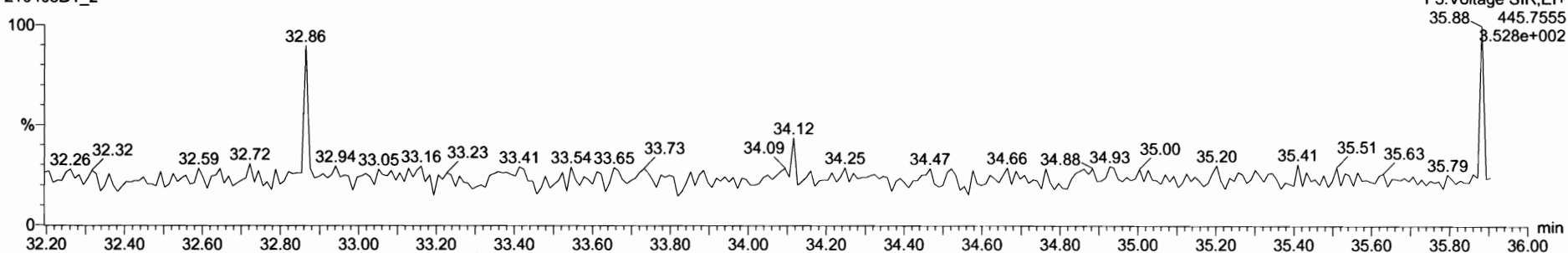


210408D1_2



DPE3

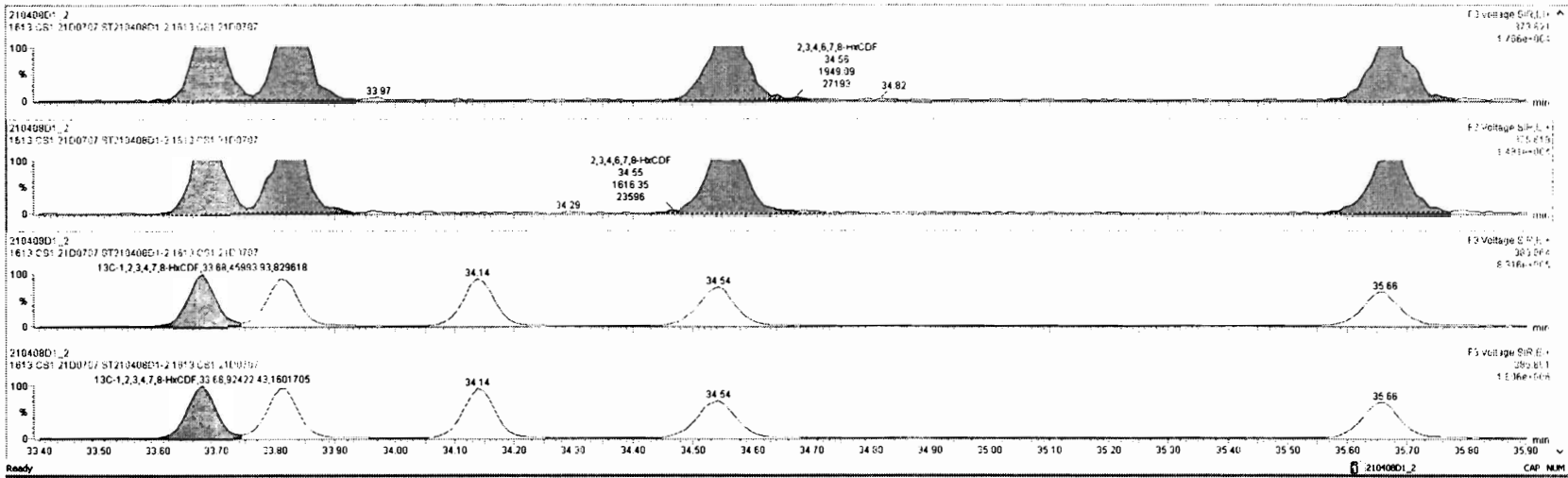
210408D1_2



21040BD1_2 - ST21340BD1-2 1613 CS1 2100707 - 1613 CS1 2100707

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.95	1.000			4.61	0.0475	4.61	
46 Total Hexa-Furans				1.12	1.000			9.63	0.0997	9.63	
47 Total Hepta-Furans				1.16	1.000			4.71	0.117	4.71	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8-HxCDF	35.69	1.753e3	1.353e3	1.26	NO	2.3750	2.3751
2 2,3,4,6,7,8-HxCDF	34.56	1.949e3	1.615e3	1.21	NO	2.4770	2.4765
3 1,2,3,6,7,8-HxCDF	33.83	2.029e3	1.621e3	1.26	NO	2.3650	2.3650
4 1,2,3,4,7,8-HxCDF	33.69	1.953e3	1.527e3	1.28	NO	2.4100	2.4103



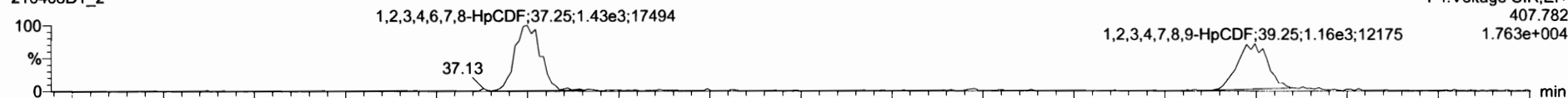
Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_2, Date: 08-Apr-2021, Time: 09:21:02, ID: ST210408D1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

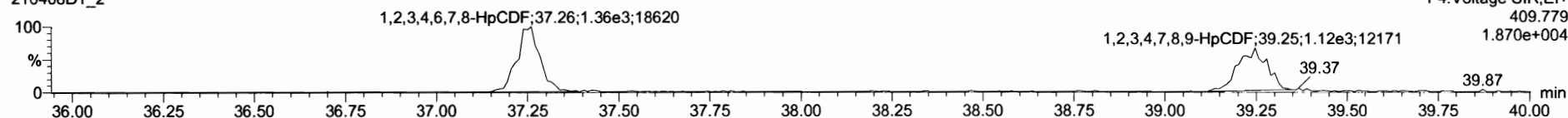
1,2,3,4,6,7,8-HpCDF

210408D1_2



F4: Voltage SIR, EI+
407.782
1.763e+004

210408D1_2



F4: Voltage SIR, EI+
409.779
1.870e+004

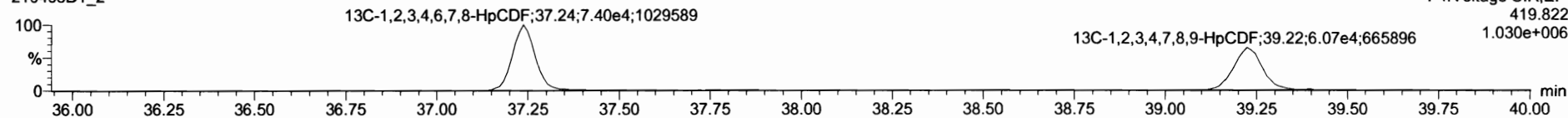
13C-1,2,3,4,6,7,8-HpCDF

210408D1_2



F4: Voltage SIR, EI+
417.825
4.112e+005

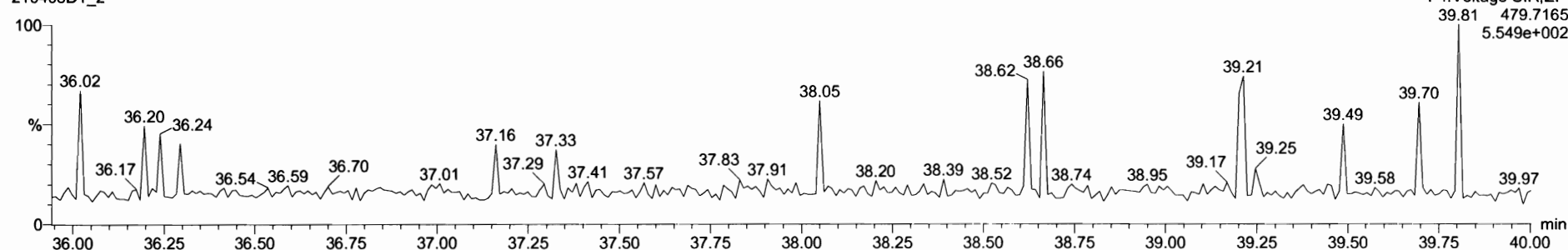
210408D1_2



F4: Voltage SIR, EI+
419.822
1.030e+006

DPE4

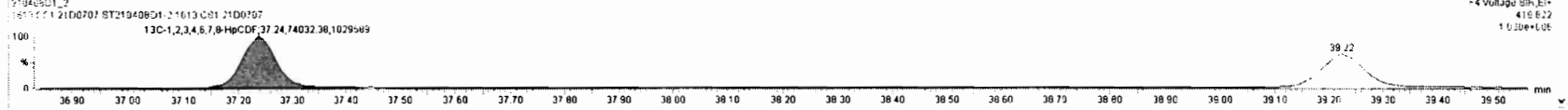
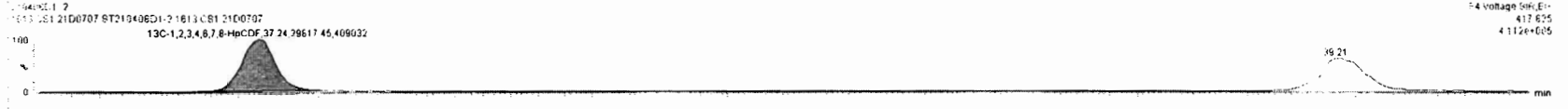
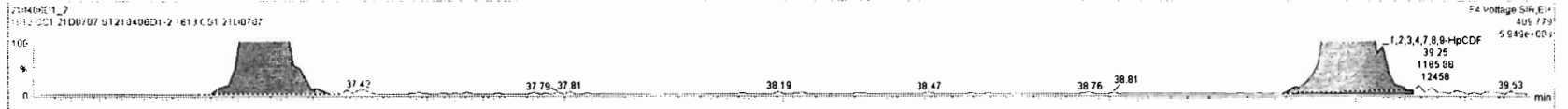
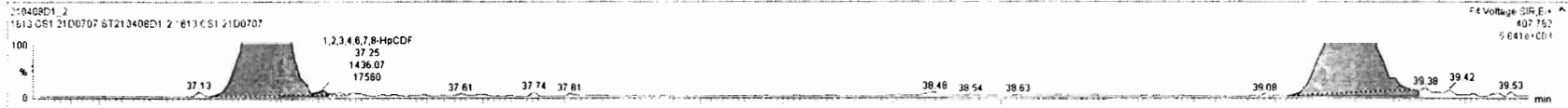
210408D1_2



F4: Voltage SIR, EI+
39.81 479.7165
5.549e+002

Name	Resp	RA	nly	RF	w/hol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.95	1.000			4.61	0.0475		4.61
46 Total Hexa-Furans				1.12	1.000			9.63	0.0997		9.63
47 Total Hepta-Furans				1.16	1.000			4.71	0.117		4.71
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

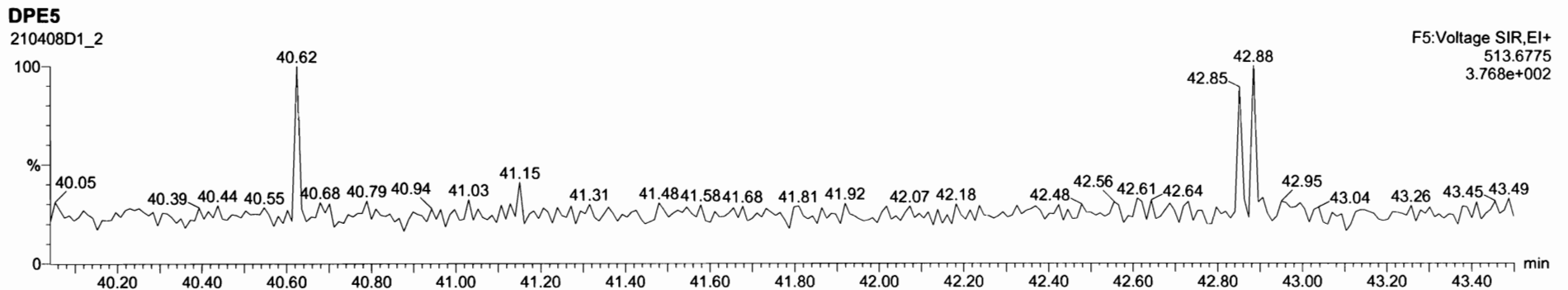
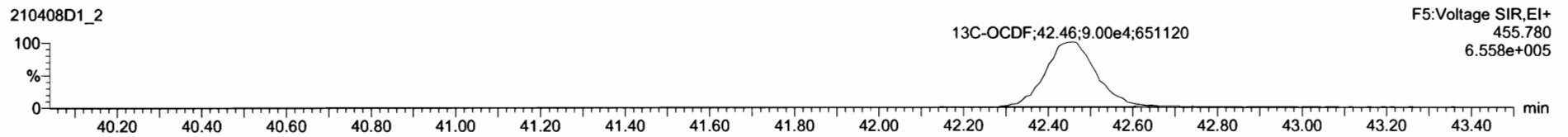
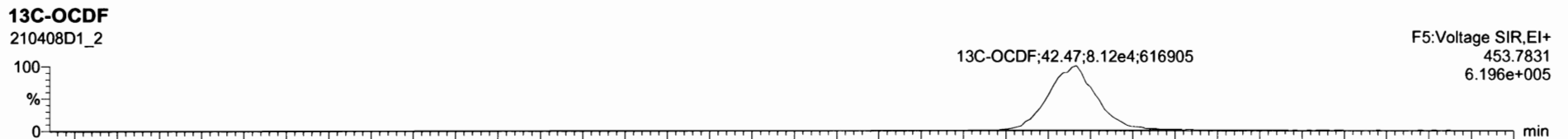
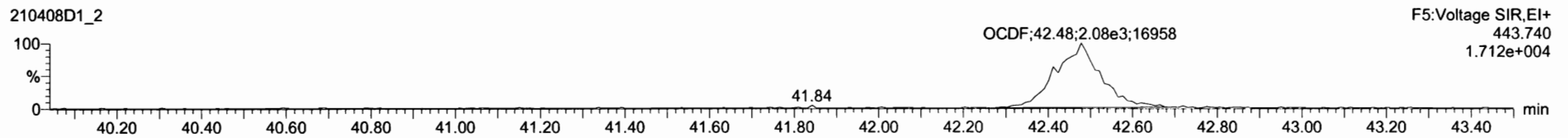
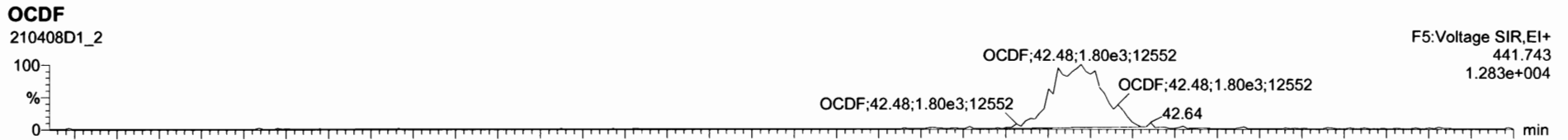
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,7,8,9-HpCDF	39.25	1.248e3	1.186e3	1.05	NO	2.3870	2.3870
2 1,2,3,4,6,7,8-HpCDF	37.25	1.436e3	1.360e3	1.06	NO	2.3210	2.3213



Dataset: Untitled

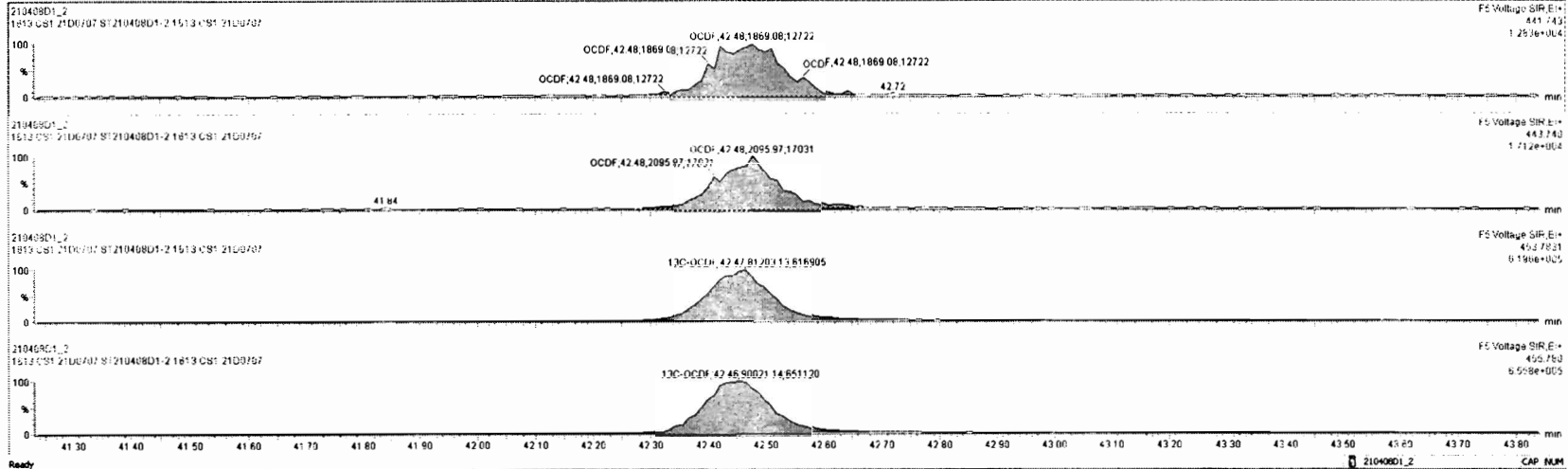
Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_2, Date: 08-Apr-2021, Time: 09:21:02, ID: ST210408D1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707



Name	Resp	RA	nly	RRF	wAdj	RT	RRT	Conc	%Rec	DL	EMPC
17 OCDF	3.97e3	0.88	NO	0.91	1.000	42.48	1.000	5.10	102	0.345	5.10
18 13C-2,3,7,8-13CDO	1.51e5	0.83	NO	1.15	1.000	27.04	1.024	96.7	96.7	0.240	
19 13C-1,2,3,7,8-HpCDO	1.18e5	0.62	NO	0.89	1.000	31.21	1.182	97.8	97.8	0.222	
20 13C-1,2,3,7,8-HpCDO	8.83e4	1.29	NO	0.85	1.000	34.66	1.015	97.2	97.2	0.272	
21 13C-1,2,3,7,8-HpCDO	9.75e4	1.27	NO	0.72	1.000	34.80	1.019	96.7	96.7	0.245	
22 13C-1,2,3,7,8-HpCDO	9.79e4	1.23	NO	0.71	1.000	35.11	1.028	97.4	97.4	0.246	
23 13C-1,2,3,4,6,7,8-HpCDO	8.55e4	1.05	NO	0.58	1.000	39.47	1.127	104	104	0.620	

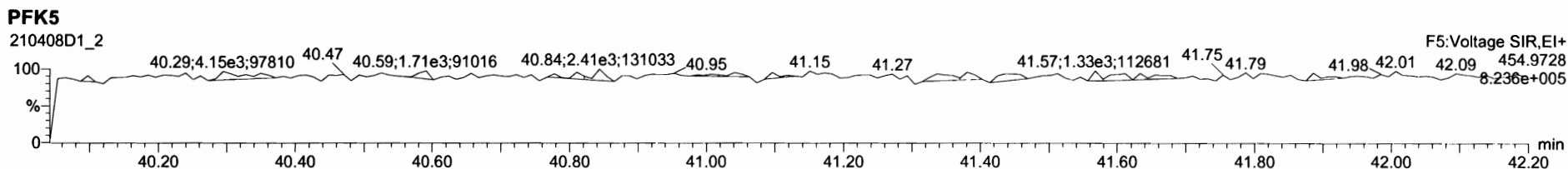
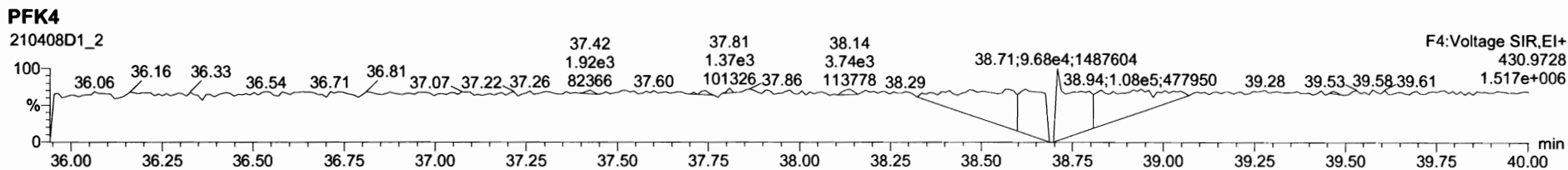
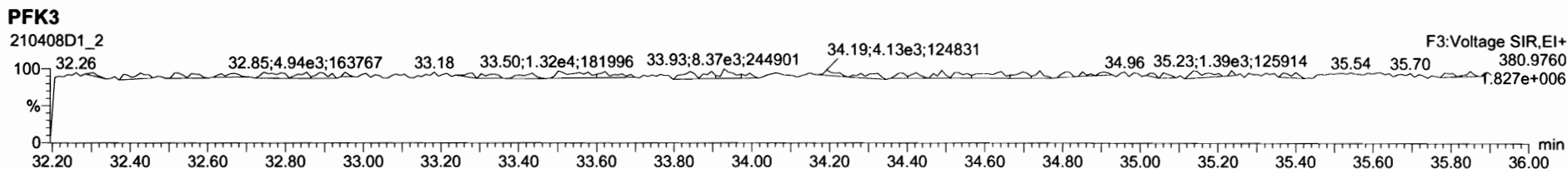
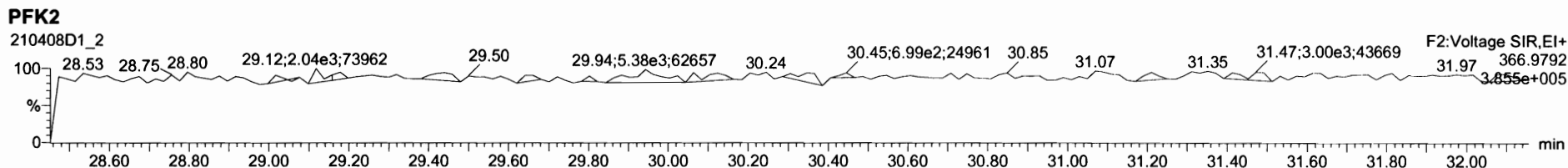
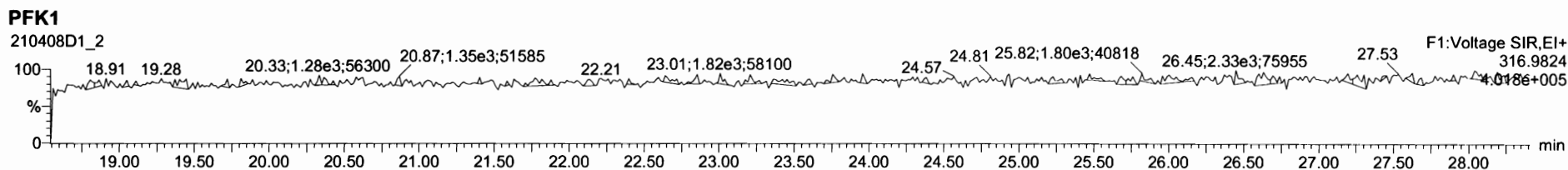
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1							



Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
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Name: 210408D1_2, Date: 08-Apr-2021, Time: 09:21:02, ID: ST210408D1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707



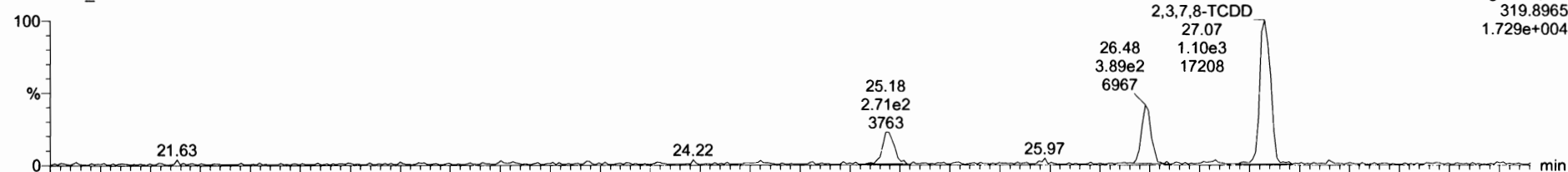
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Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

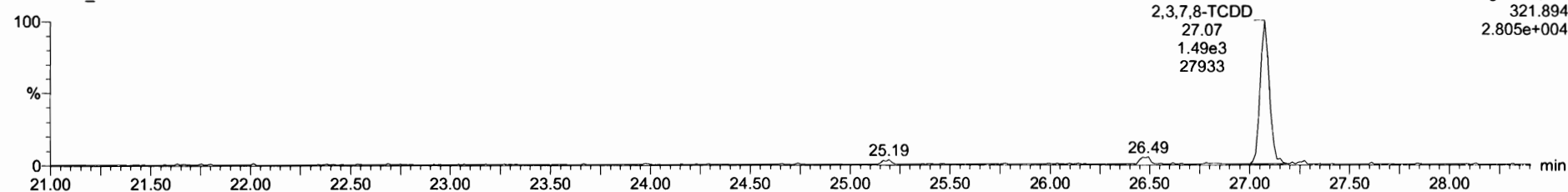
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2,3,7,8-TCDD

210408D1_3

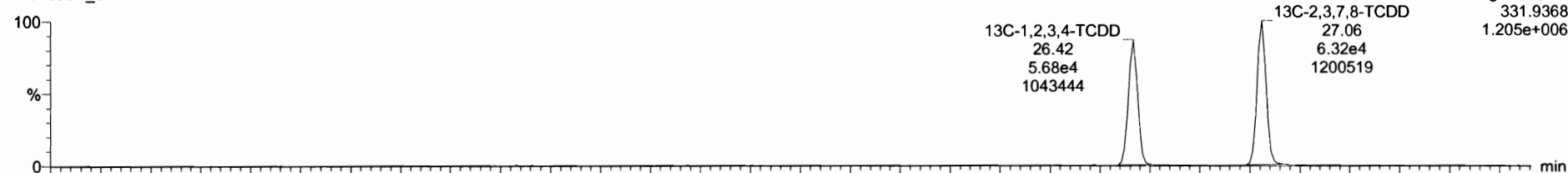


210408D1_3

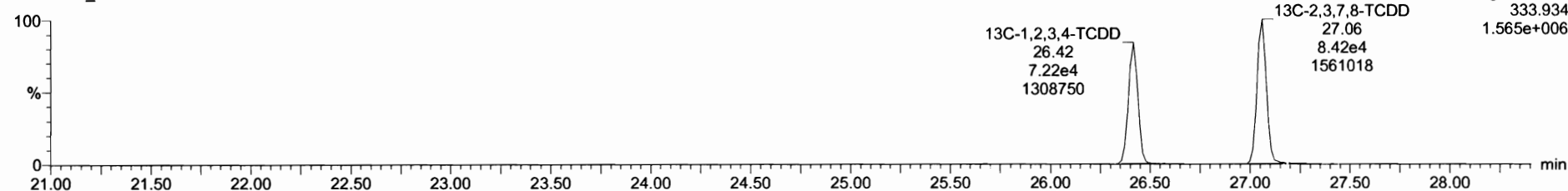


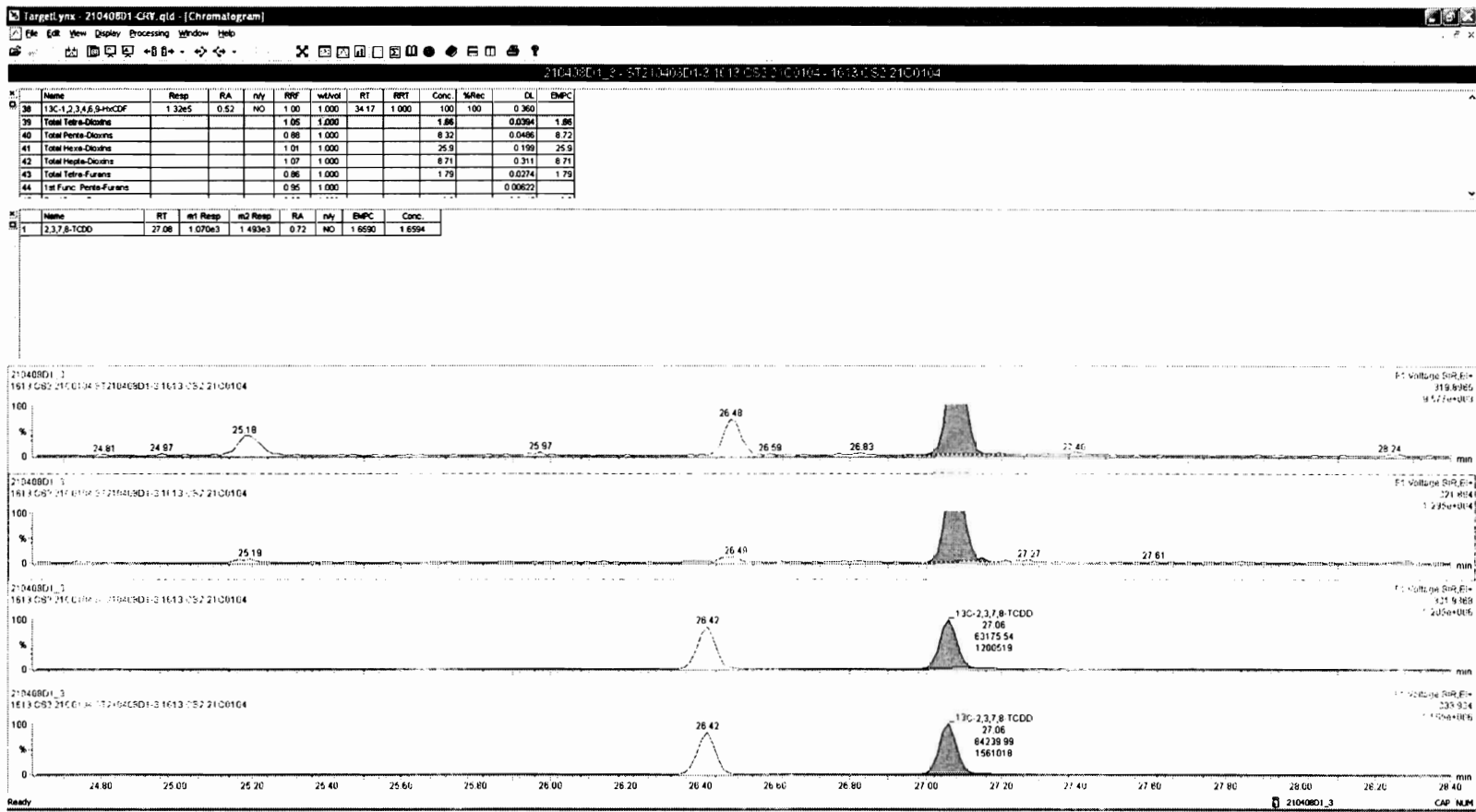
13C-2,3,7,8-TCDD

210408D1_3



210408D1_3





Dataset: Untitled

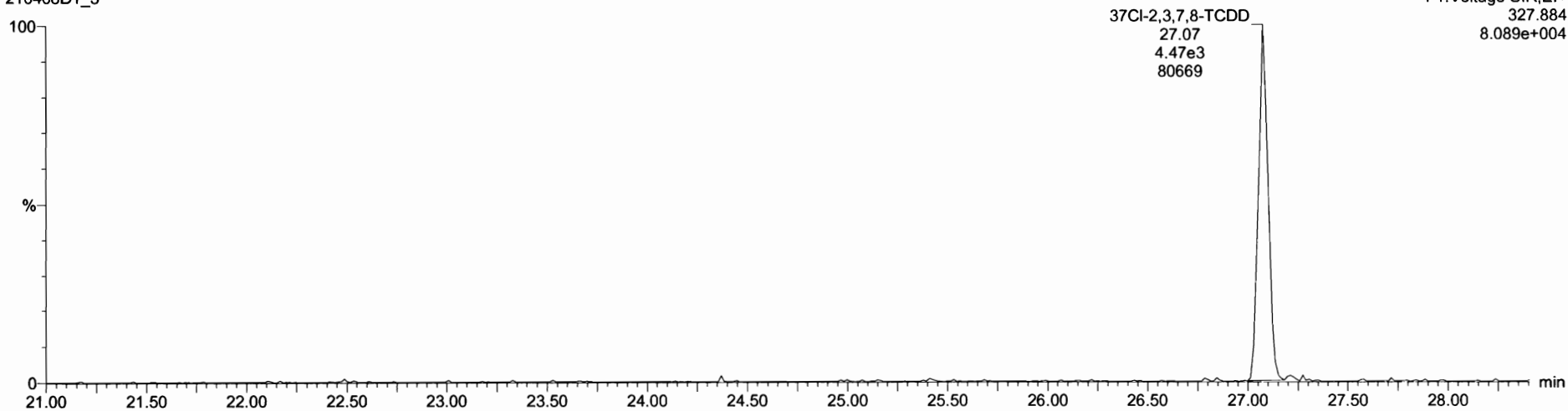
Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time

Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_3, Date: 08-Apr-2021, Time: 10:06:35, ID: ST210408D1-3 1613 CS2 21C0104, Description: 1613 CS2 21C0104

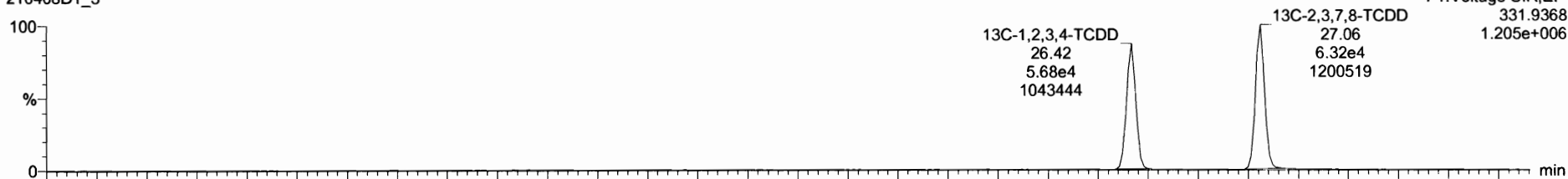
37Cl-2,3,7,8-TCDD

210408D1_3

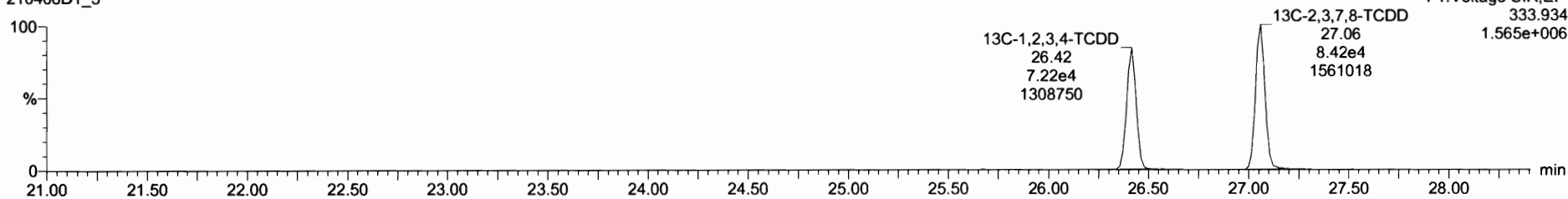


13C-1,2,3,4-TCDD

210408D1_3



210408D1_3



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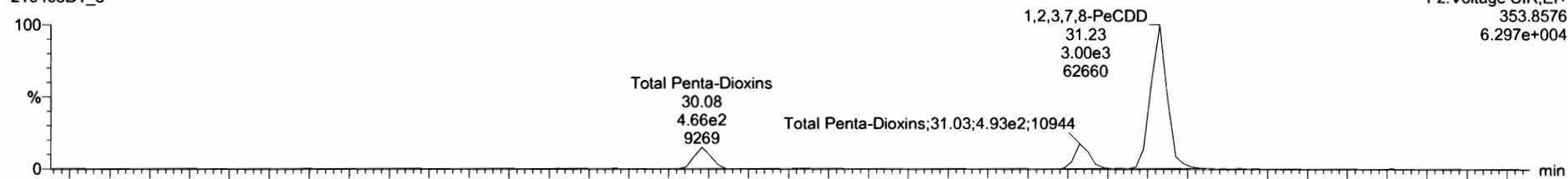
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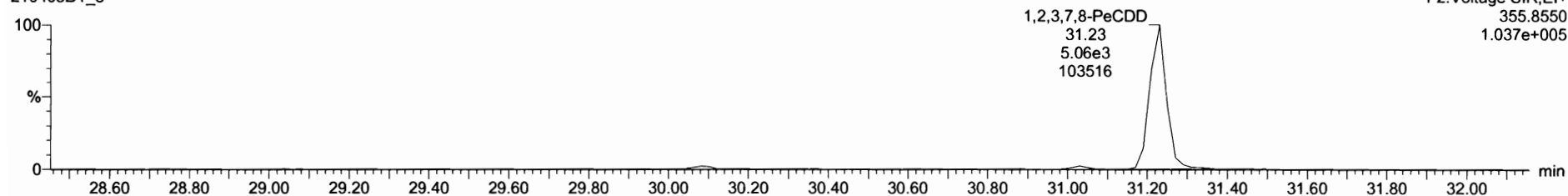
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1,2,3,7,8-PeCDD

210408D1_3

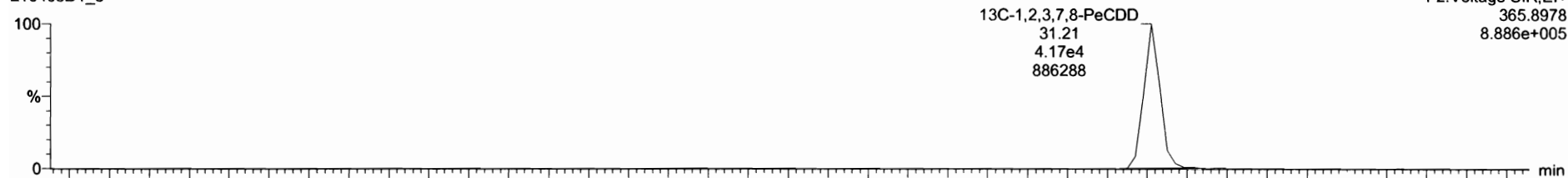


210408D1_3

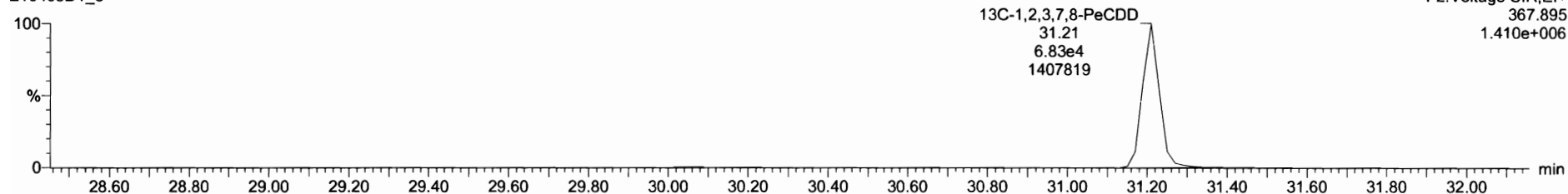


13C-1,2,3,7,8-PeCDD

210408D1_3



210408D1_3

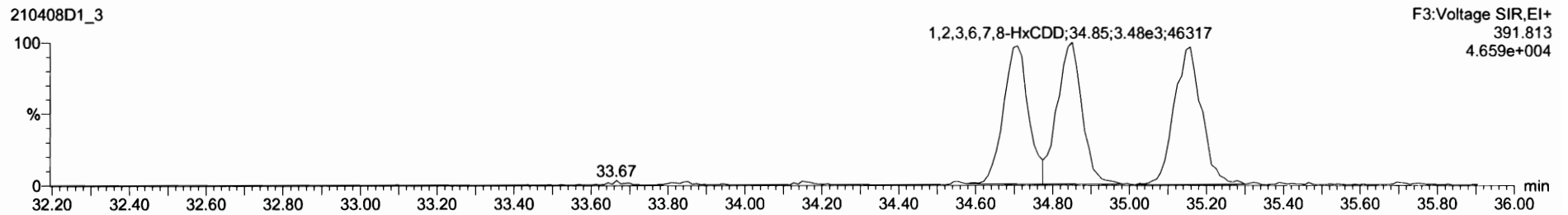
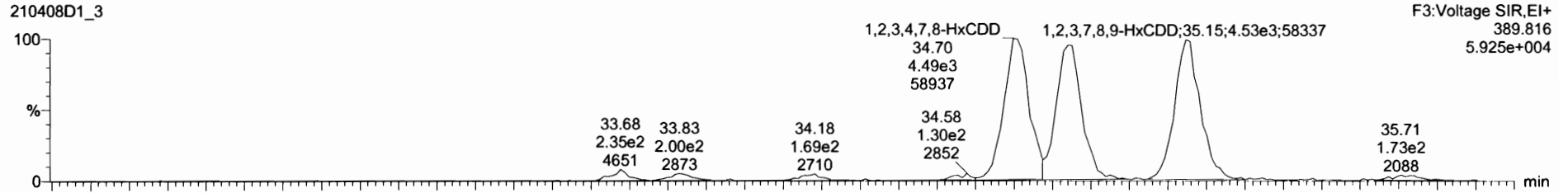


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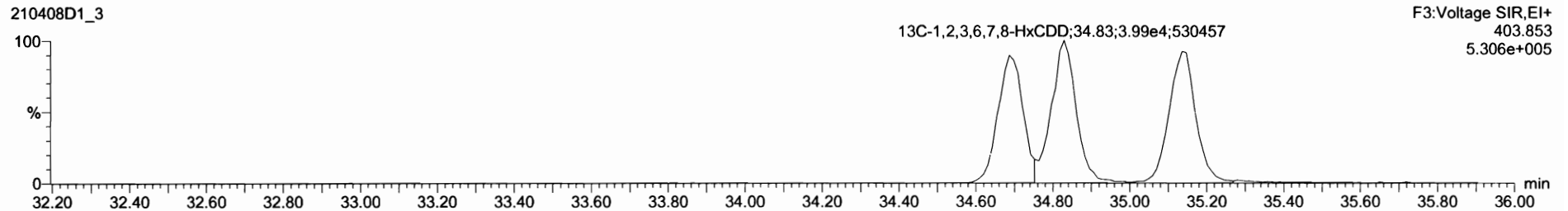
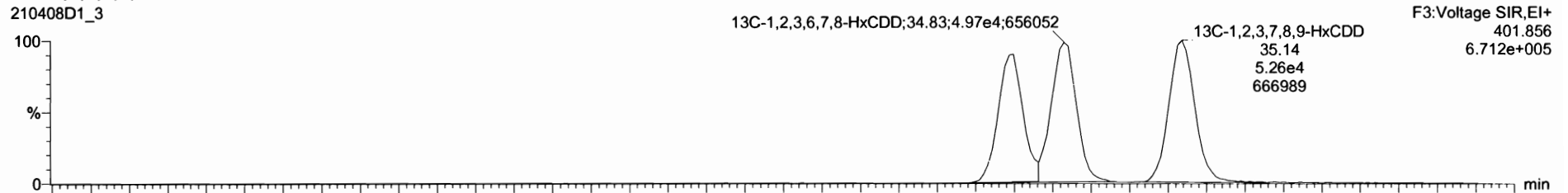
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1,2,3,4,7,8-HxCDD



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



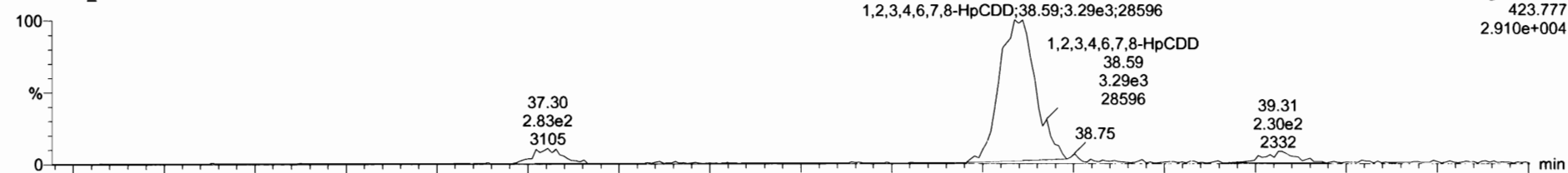
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

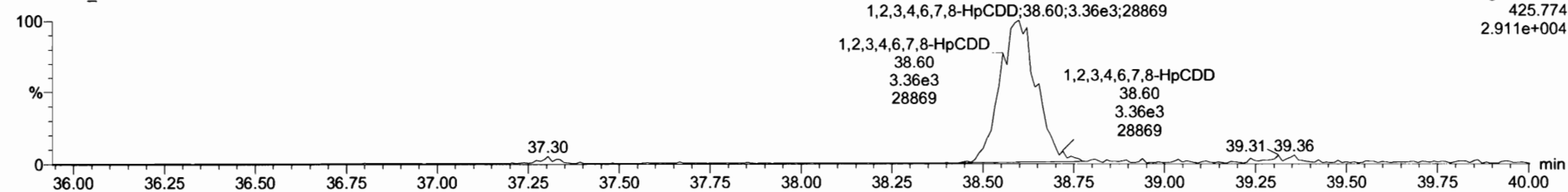
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1,2,3,4,6,7,8-HpCDD

210408D1_3

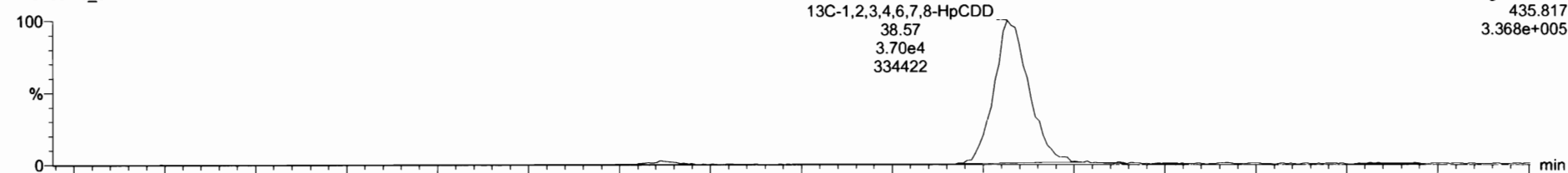


210408D1_3

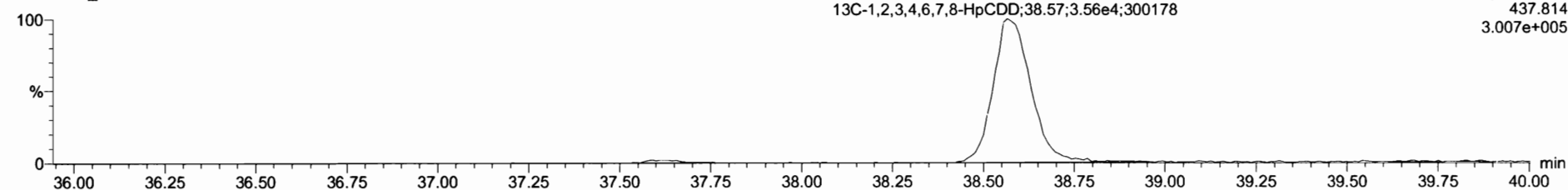


13C-1,2,3,4,6,7,8-HpCDD

210408D1_3

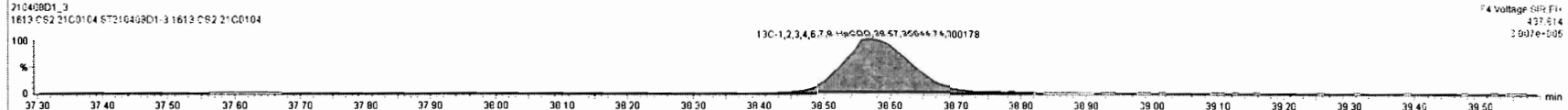
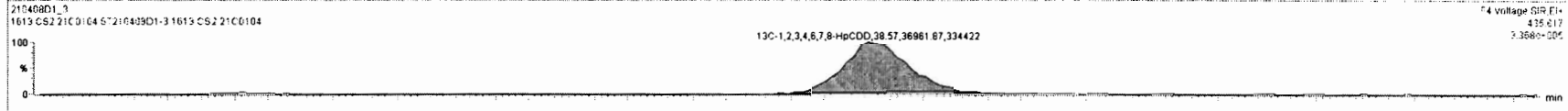
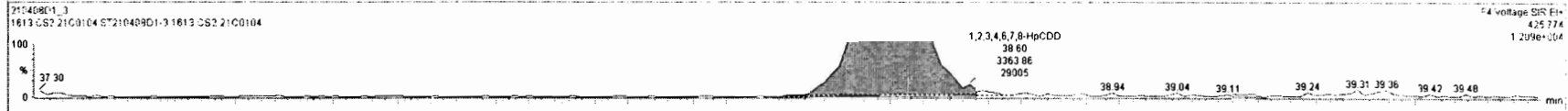
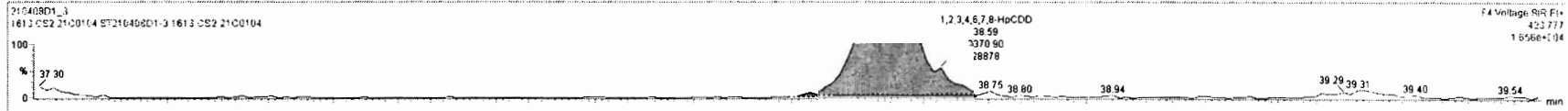


210408D1_3



Name	Resp	RA	nly	RRF	wtAvl	RT	PRT	Conc	%Rec	DL	EMPC
36 13C-1,2,3,4,6,8-HxCDF	1.32e5	0.52	NO	1.00	1.000	34.17	1.000	100	100	0.360	
39 Total Tetra-Dioxins				1.05	1.000			1.66		0.0394	1.66
40 Total Penta-Dioxins				0.88	1.000			8.32		0.0486	8.72
41 Total Hexa-Dioxins				1.01	1.000			25.9		0.199	25.9
42 Total Hepta-Dioxins				1.07	1.000			8.71		0.311	8.71
43 Total Tetra-Furans				0.86	1.000			1.79		0.0274	1.79
44 1st Func. Penta-Furans				0.95	1.000					0.00822	

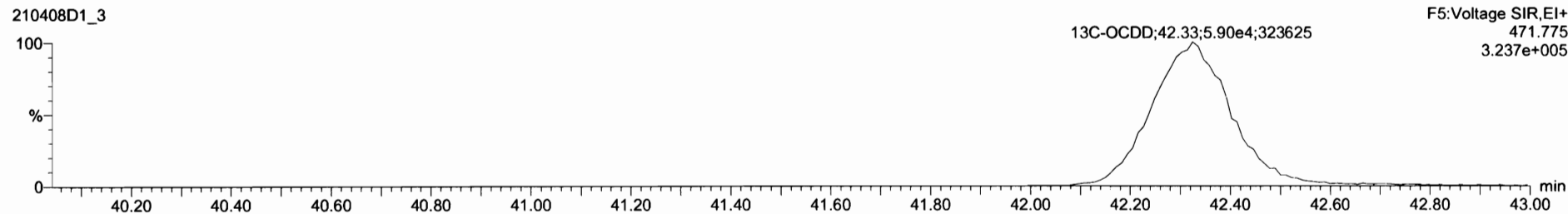
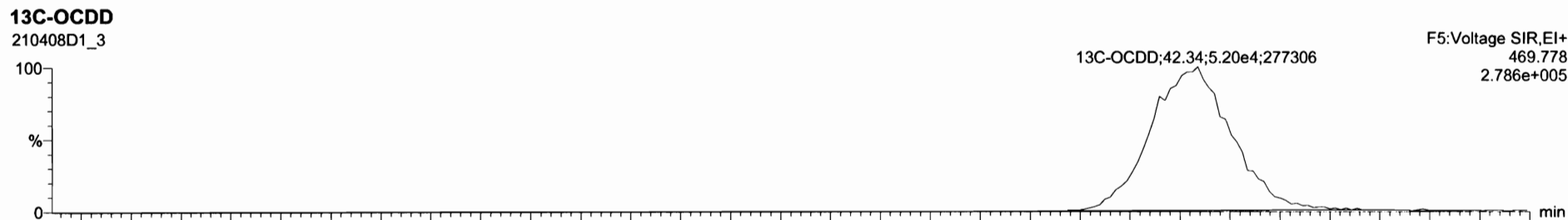
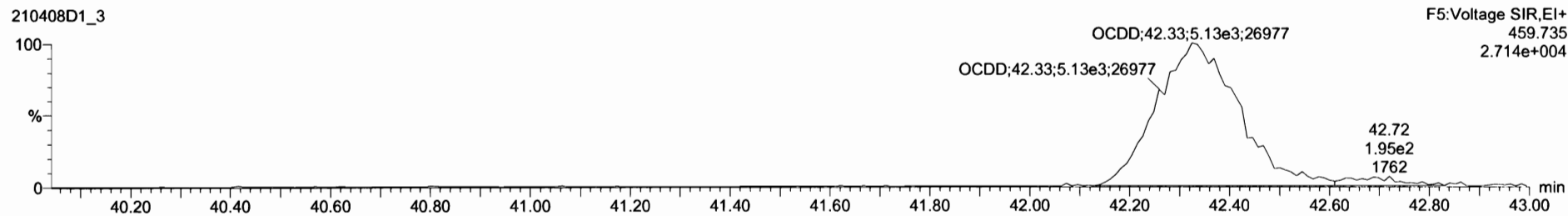
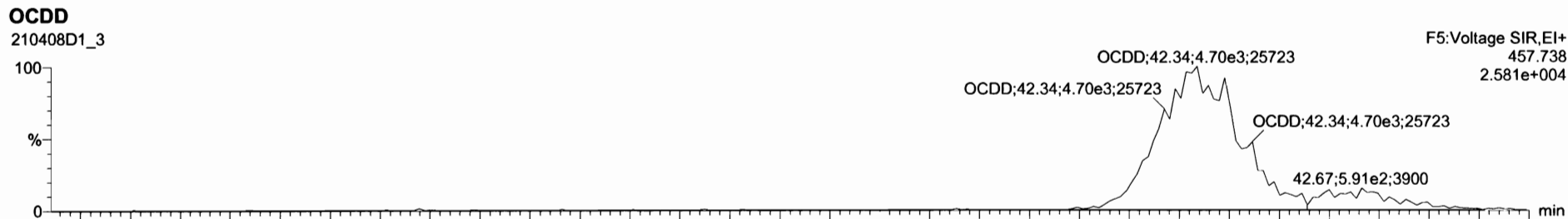
Name	RT	wf Resp	w2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDD	38.59	3.371e3	3.364e3	1.00	NO	8.7090	8.7094



Dataset: Untitled

Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
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Name: 210408D1_3, Date: 08-Apr-2021, Time: 10:06:35, ID: ST210408D1-3 1613 CS2 21C0104, Description: 1613 CS2 21C0104



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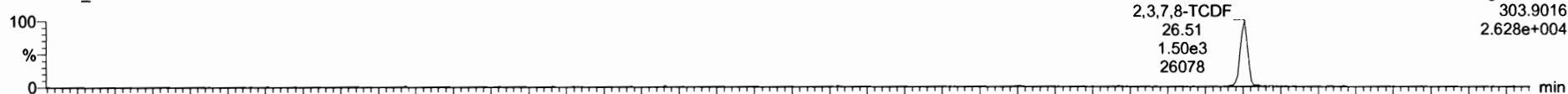
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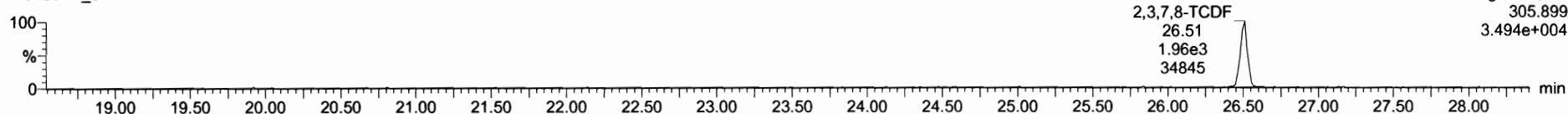
2,3,7,8-TCDF

210408D1_3



F1:Voltage SIR,EI+
303.9016
2.628e+004

210408D1_3



F1:Voltage SIR,EI+
305.899
3.494e+004

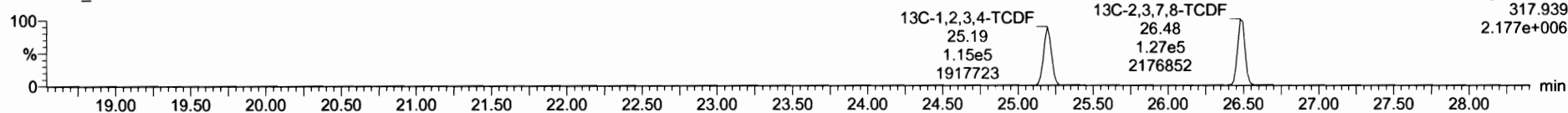
13C-2,3,7,8-TCDF

210408D1_3



F1:Voltage SIR,EI+
315.9419
1.678e+006

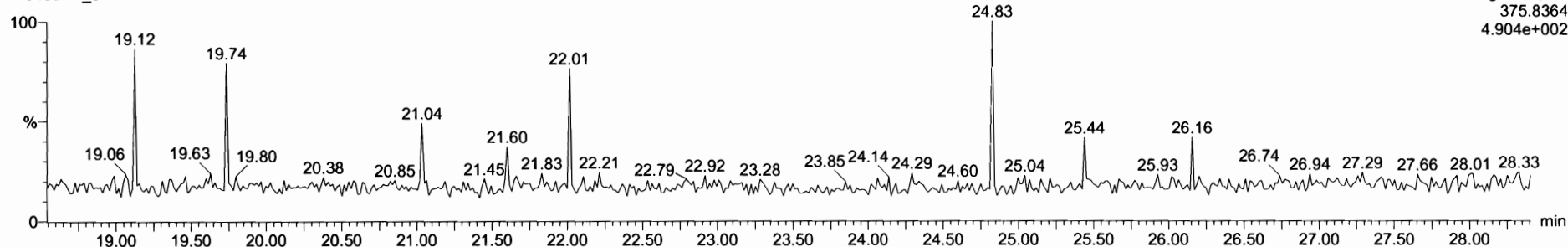
210408D1_3



F1:Voltage SIR,EI+
317.939
2.177e+006

DPE1

210408D1_3



F1:Voltage SIR,EI+
375.8364
4.904e+002

Dataset: Untitled

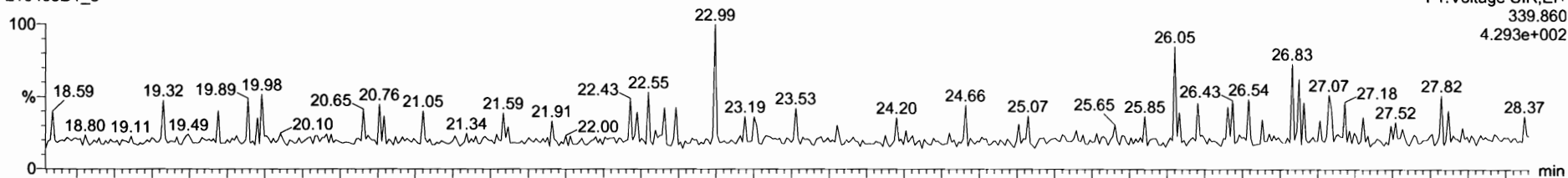
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

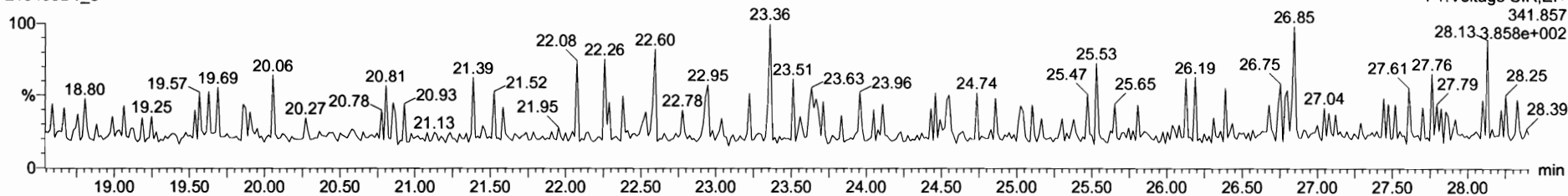
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1st Func. Penta-Furans

210408D1_3

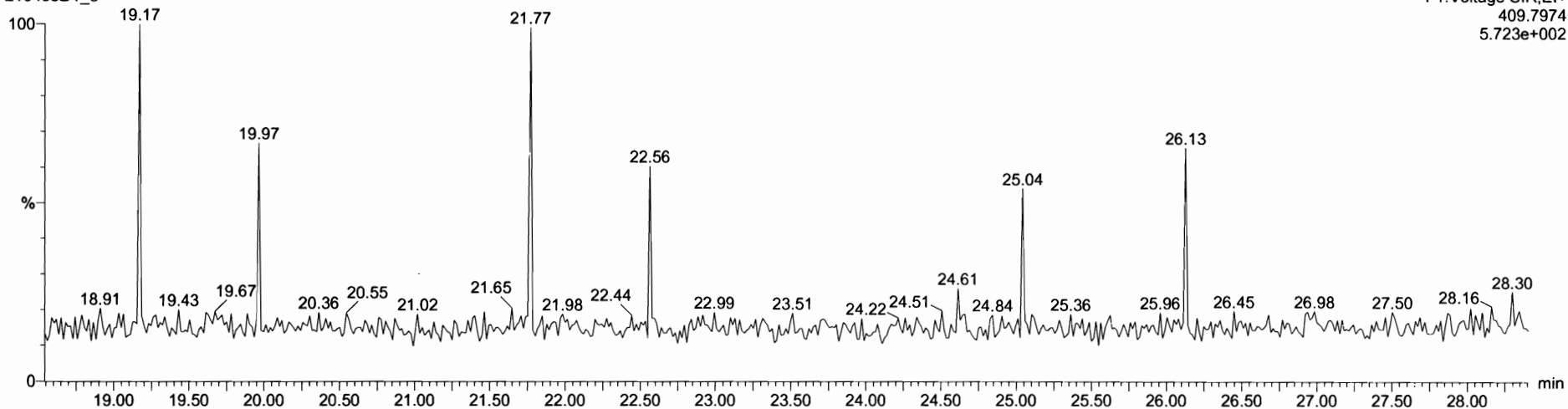


210408D1_3



DPE6

210408D1_3



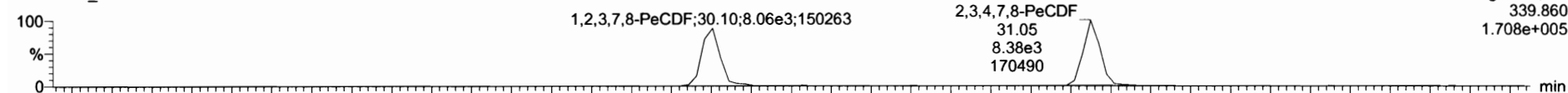
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

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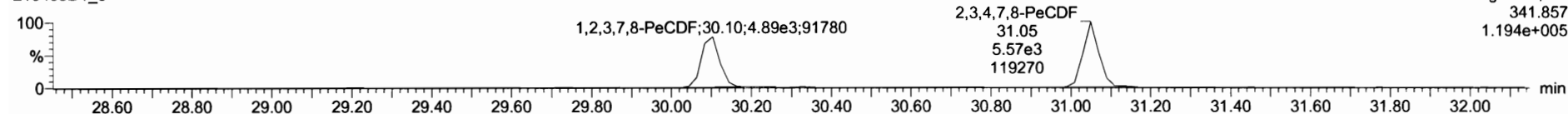
1,2,3,7,8-PeCDF

210408D1_3



F2:Voltage SIR,EI+
339.860
1.708e+005

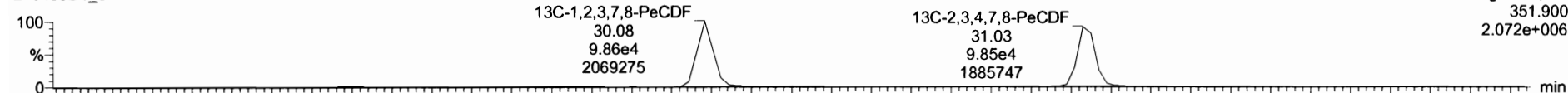
210408D1_3



F2:Voltage SIR,EI+
341.857
1.194e+005

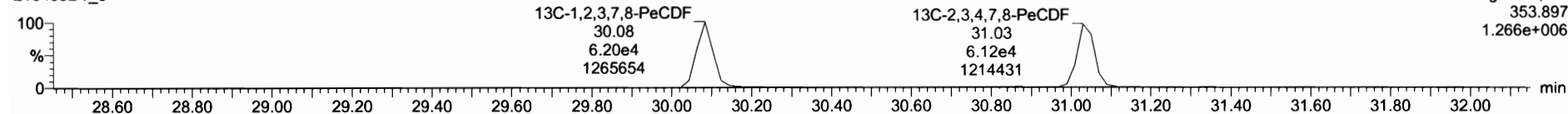
13C-1,2,3,7,8-PeCDF

210408D1_3



F2:Voltage SIR,EI+
351.900
2.072e+006

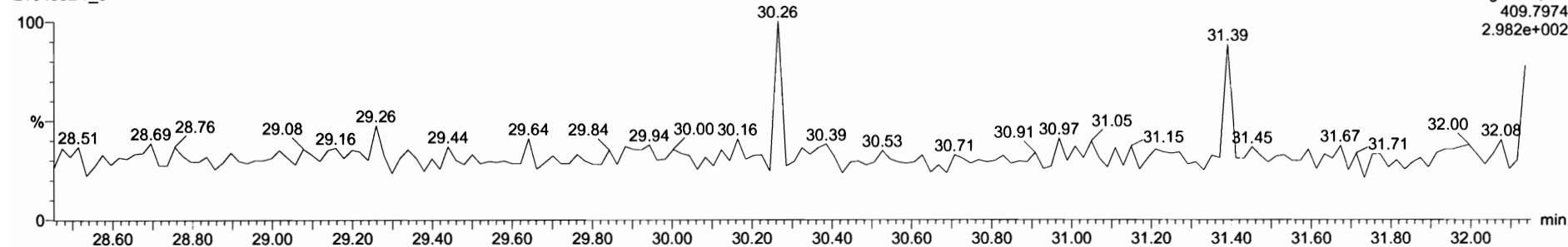
210408D1_3



F2:Voltage SIR,EI+
353.897
1.266e+006

DPE2

210408D1_3



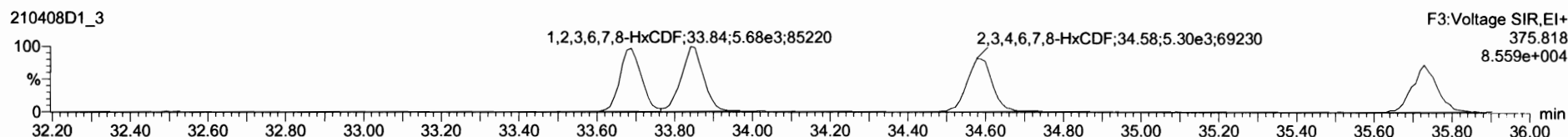
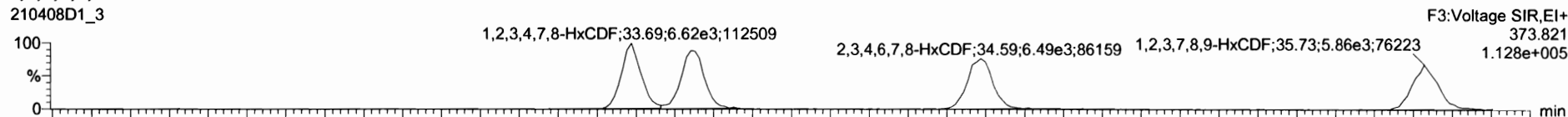
F2:Voltage SIR,EI+
409.7974
2.982e+002

Dataset: Untitled

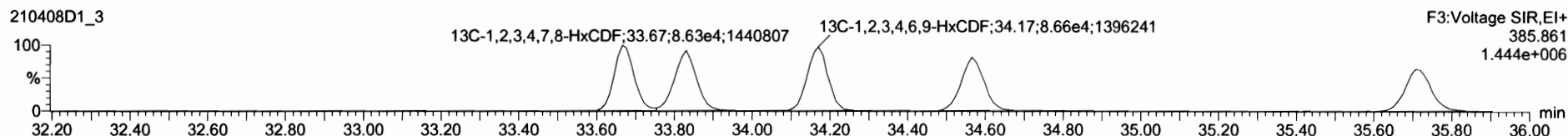
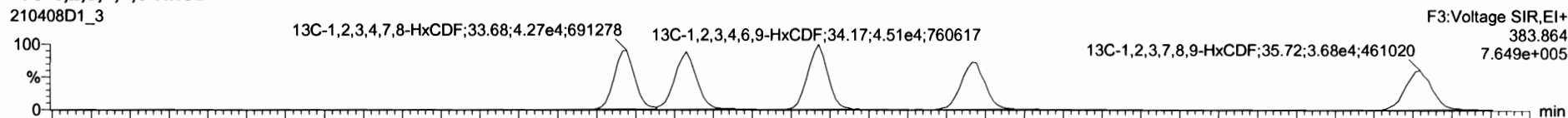
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

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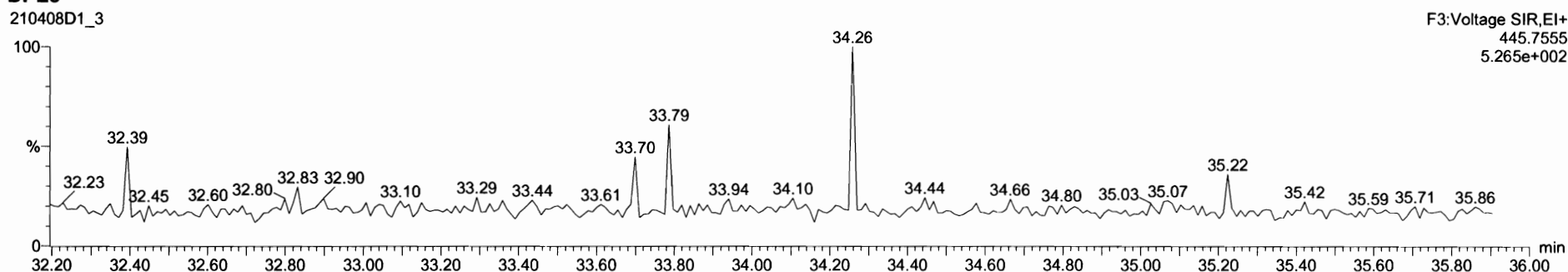
1,2,3,4,7,8-HxCDF



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



DPE3



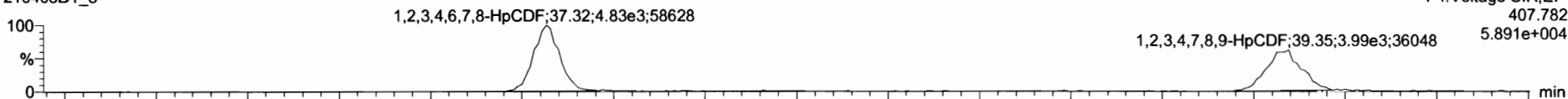
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

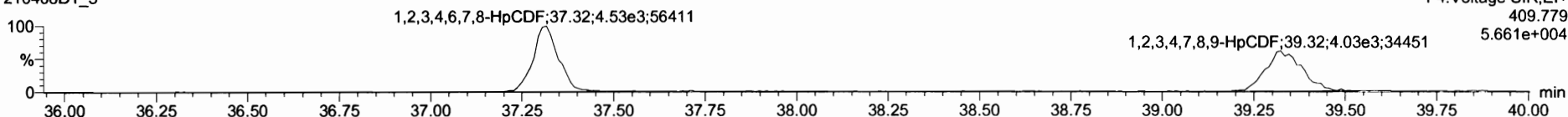
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1,2,3,4,6,7,8-HpCDF

210408D1_3

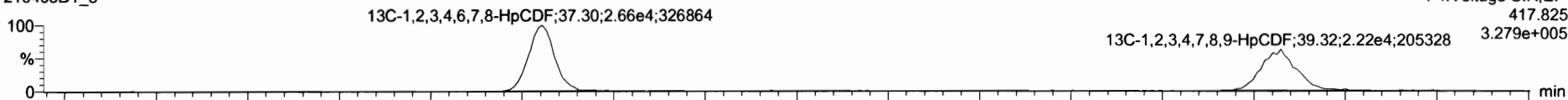


210408D1_3

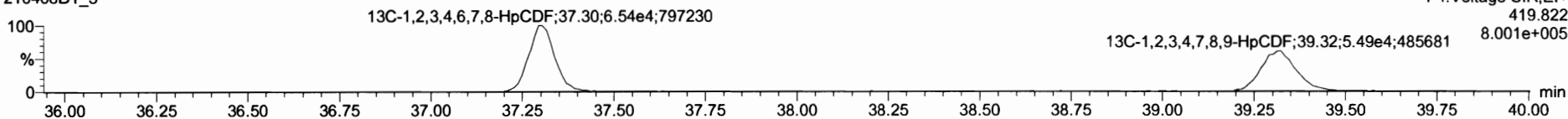


13C-1,2,3,4,6,7,8-HpCDF

210408D1_3

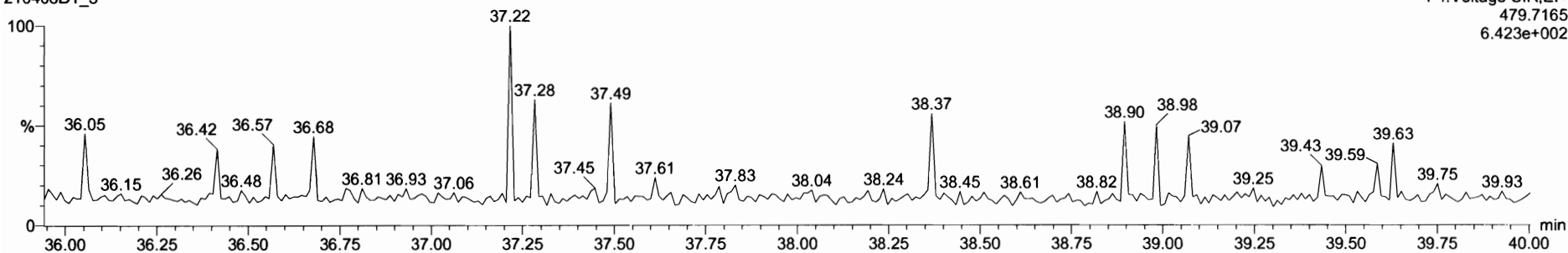


210408D1_3



DPE4

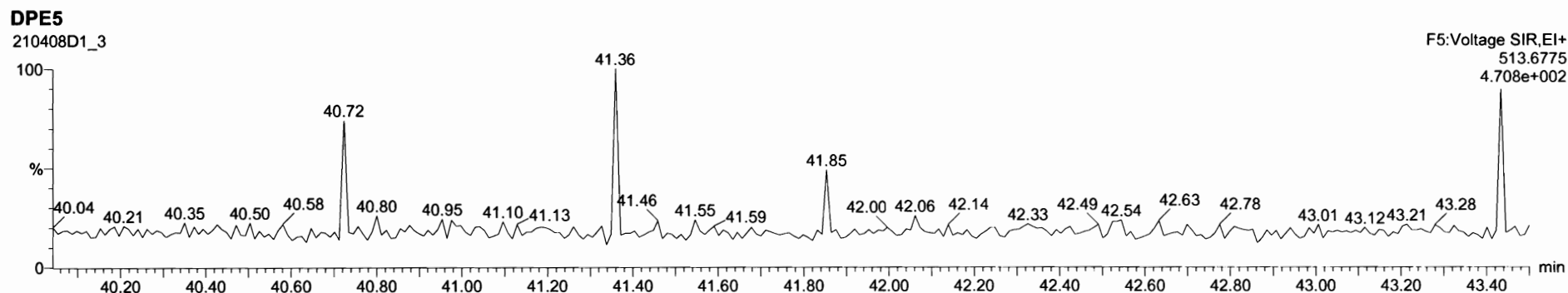
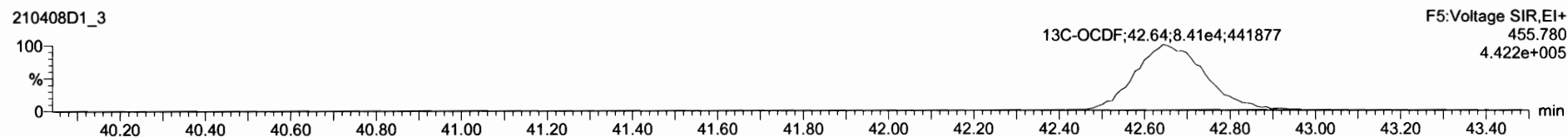
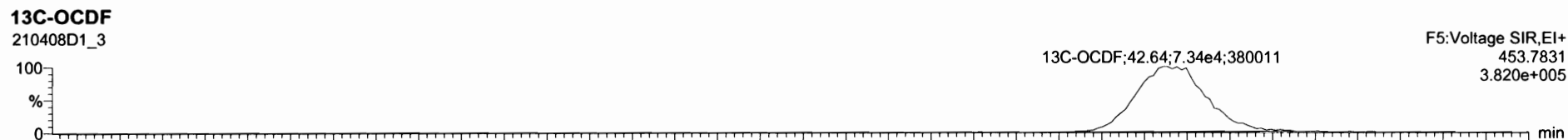
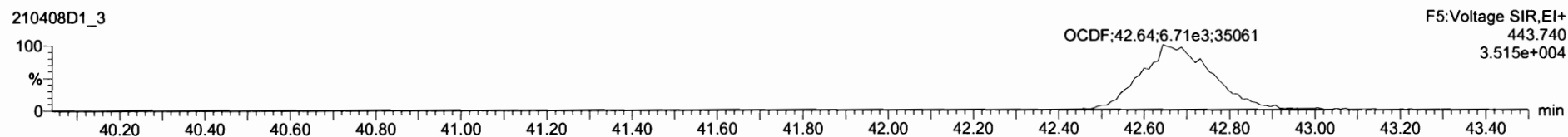
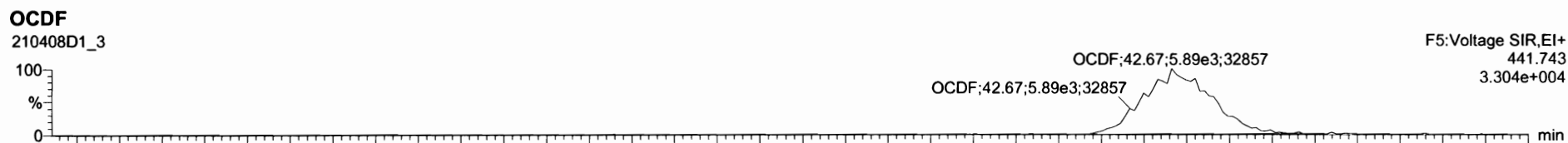
210408D1_3



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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

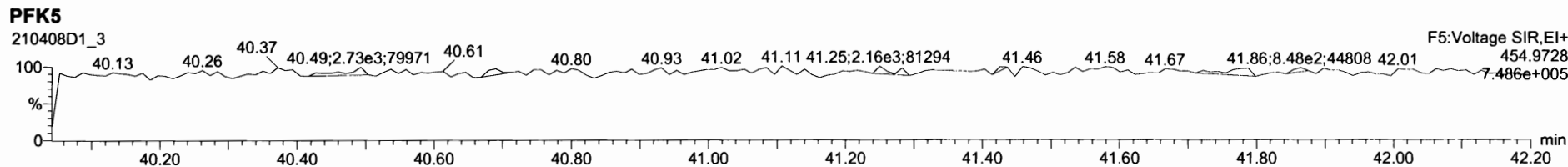
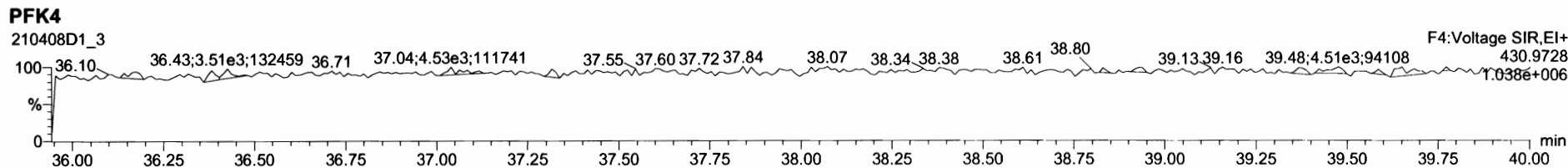
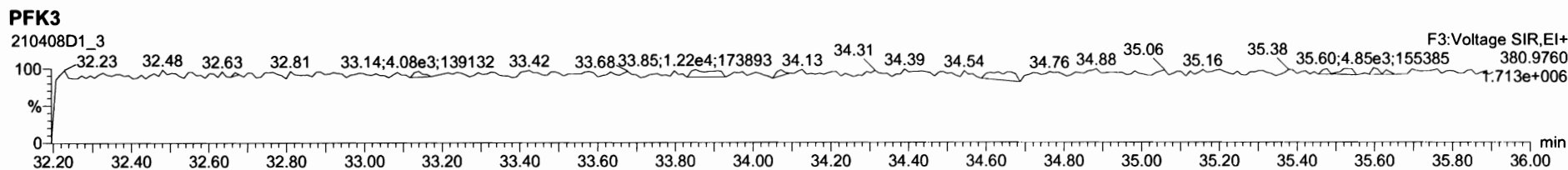
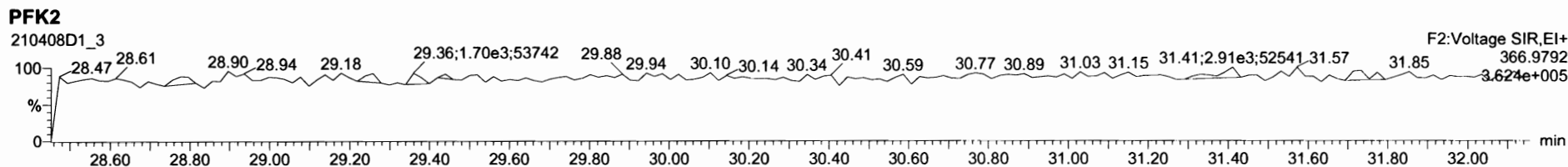
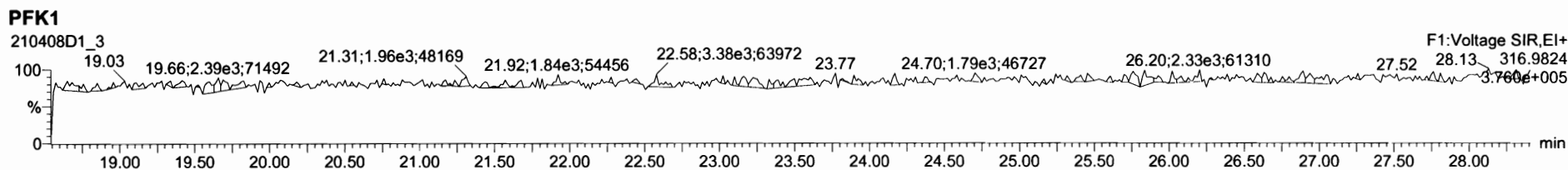
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Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
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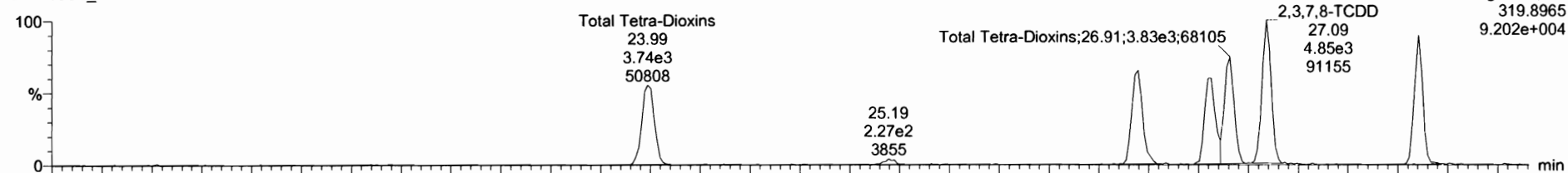
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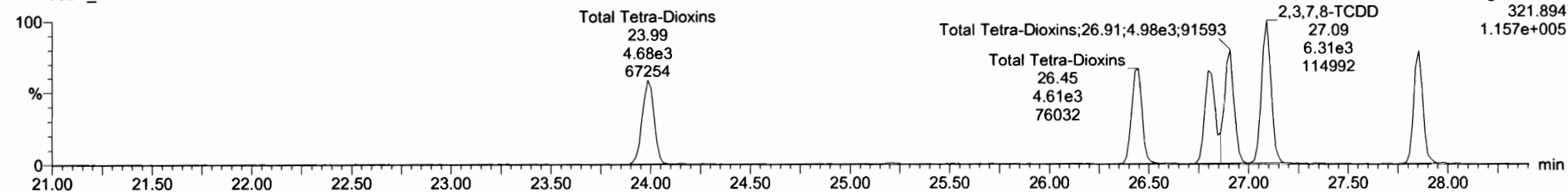
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2,3,7,8-TCDD

210408D1_4

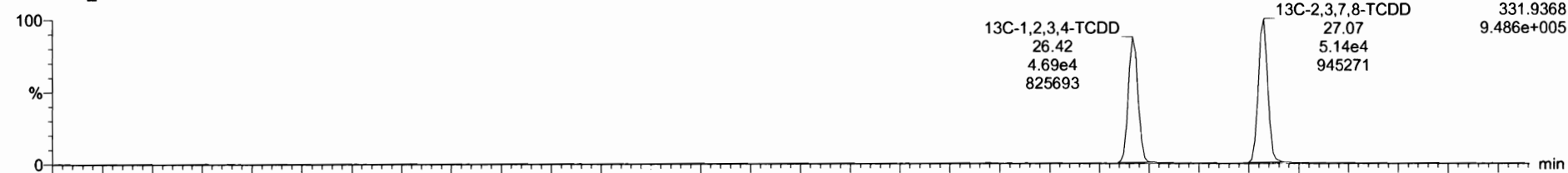


210408D1_4

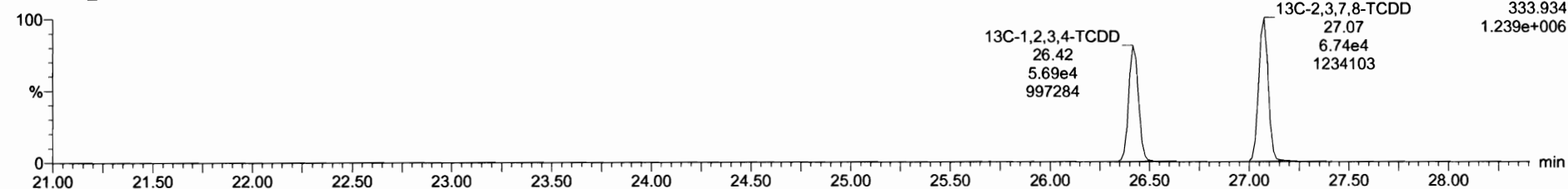


13C-2,3,7,8-TCDD

210408D1_4



210408D1_4



Dataset: Untitled

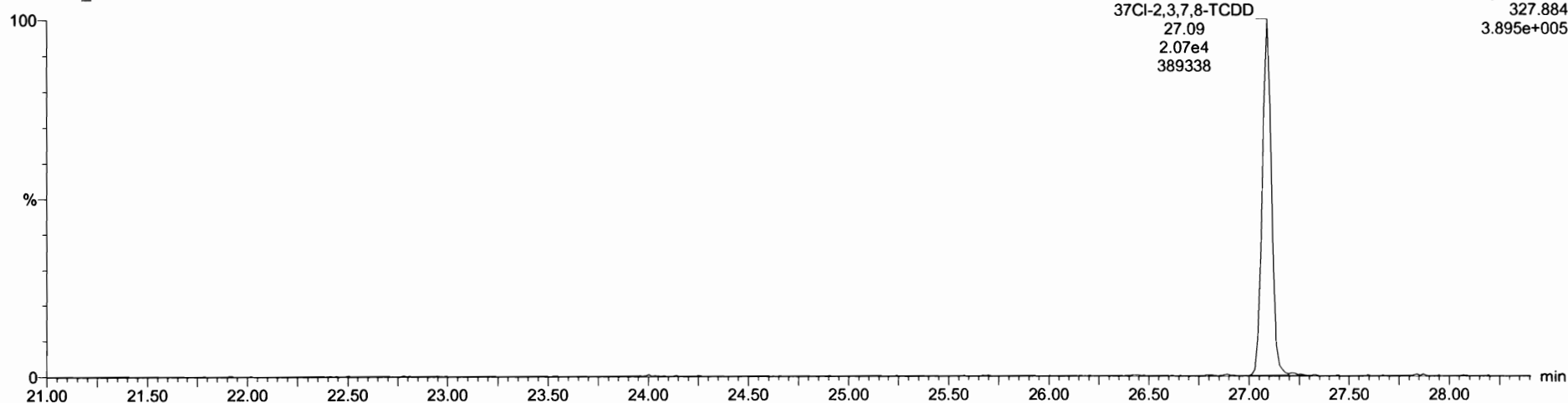
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

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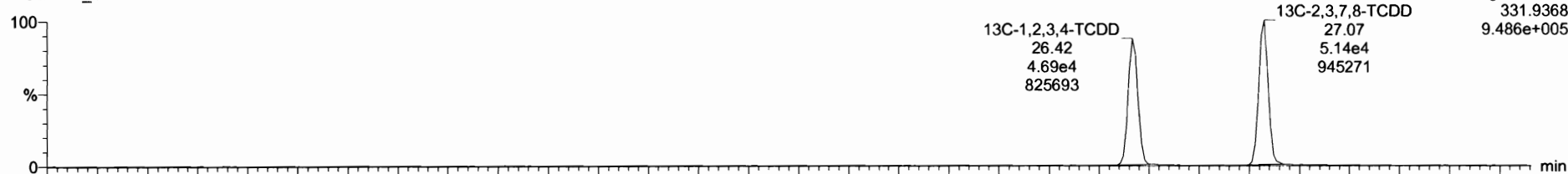
37Cl-2,3,7,8-TCDD

210408D1_4

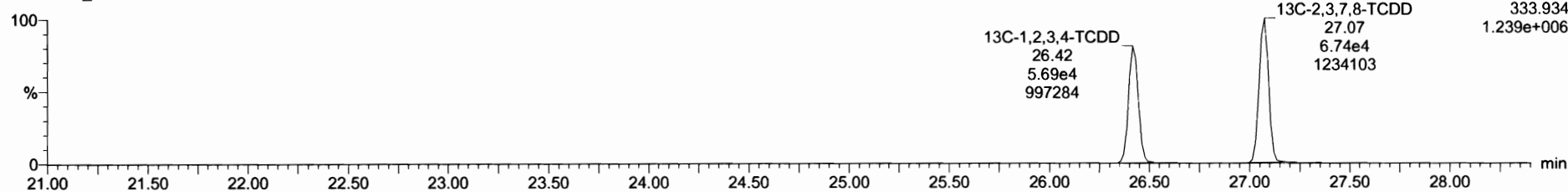


13C-1,2,3,4-TCDD

210408D1_4



210408D1_4



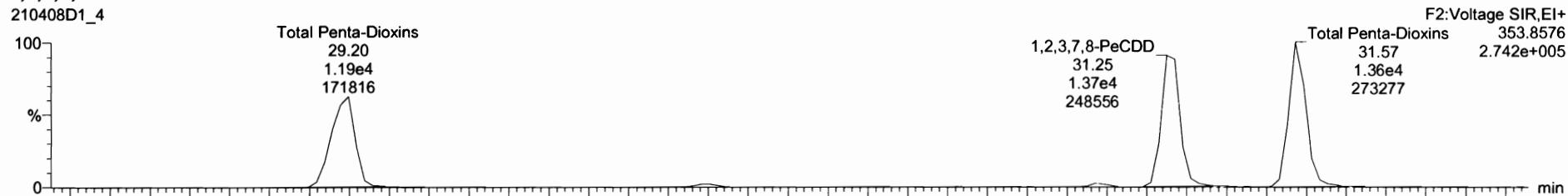
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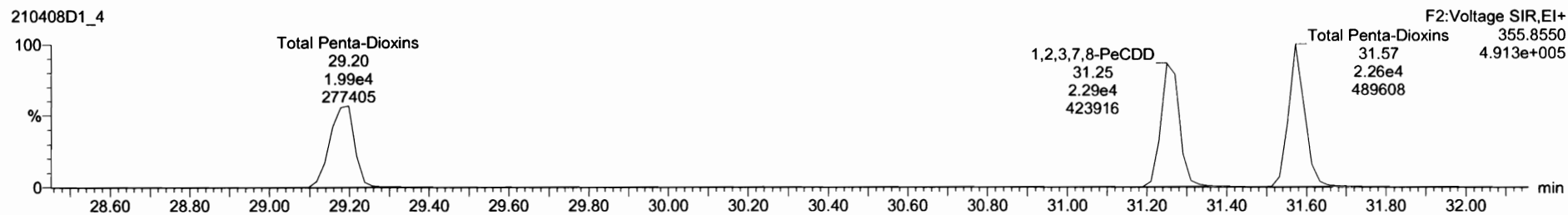
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1,2,3,7,8-PeCDD

210408D1_4

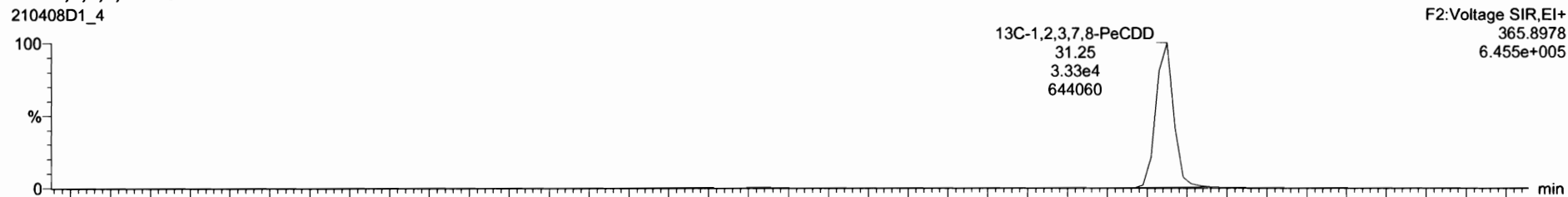


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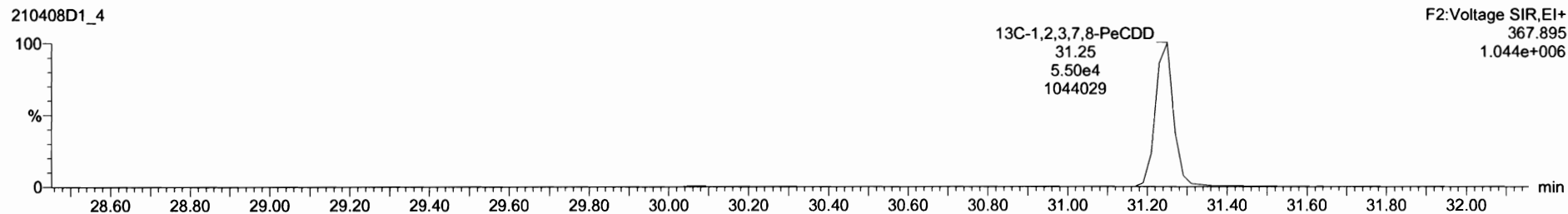


13C-1,2,3,7,8-PeCDD

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210408D1_4



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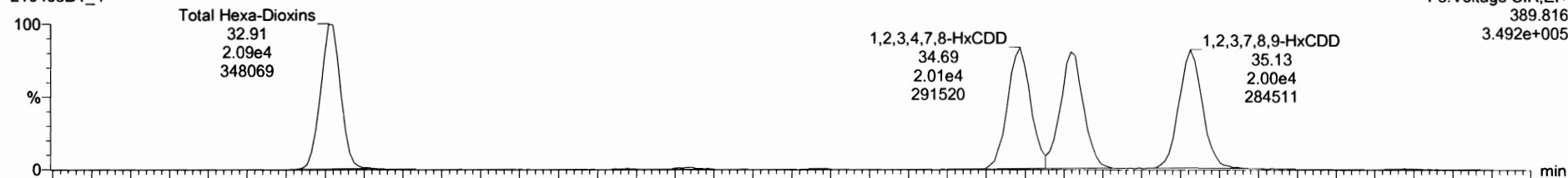
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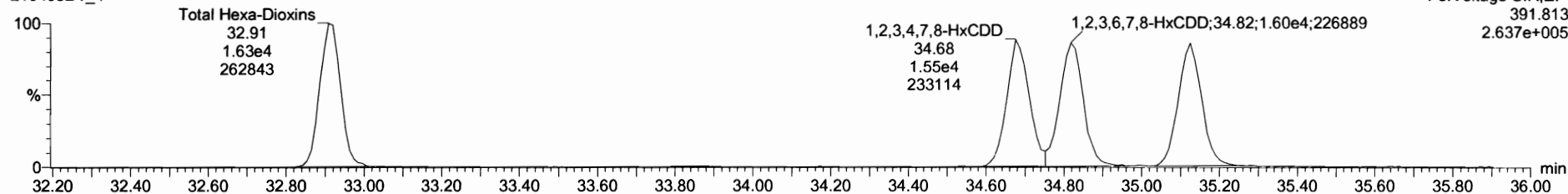
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1,2,3,4,7,8-HxCDD

210408D1_4

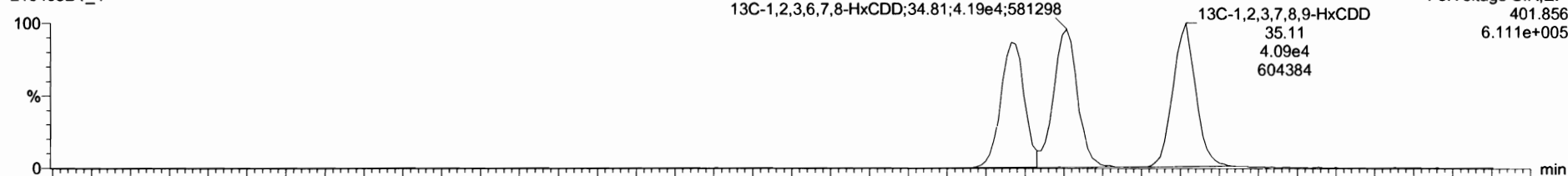


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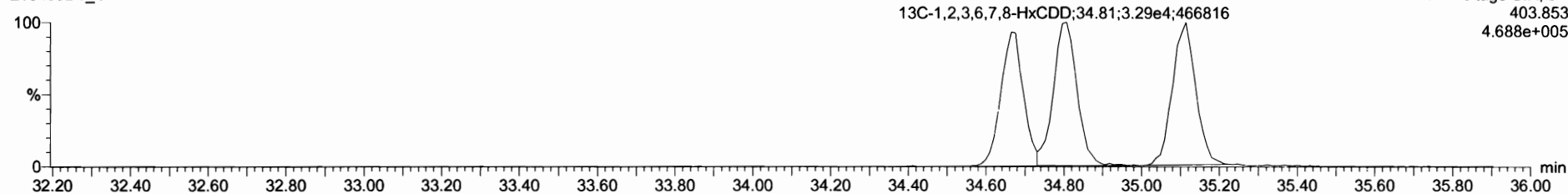


13C-1,2,3,4,7,8-HxCDD

210408D1_4



210408D1_4



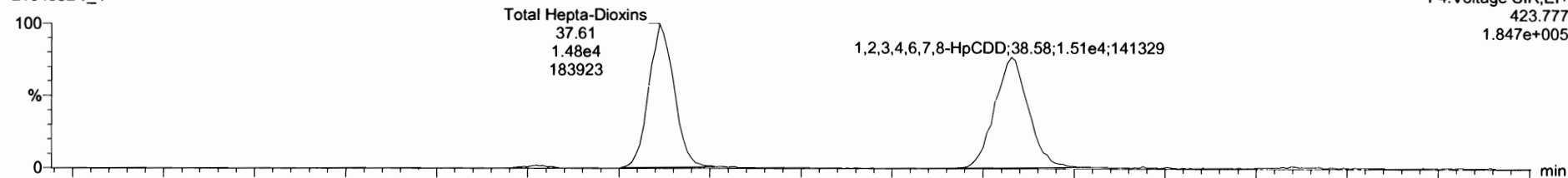
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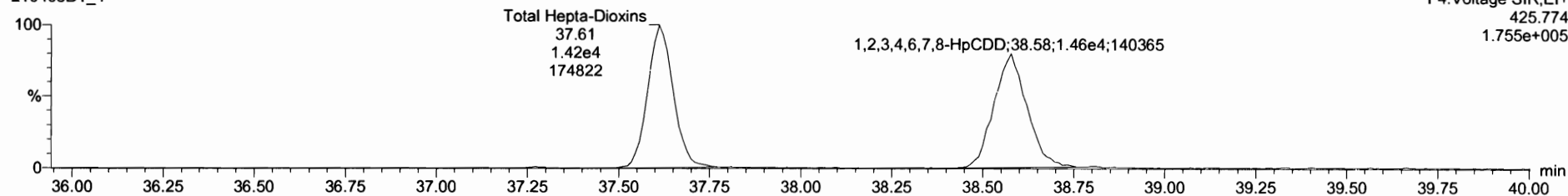
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1,2,3,4,6,7,8-HpCDD

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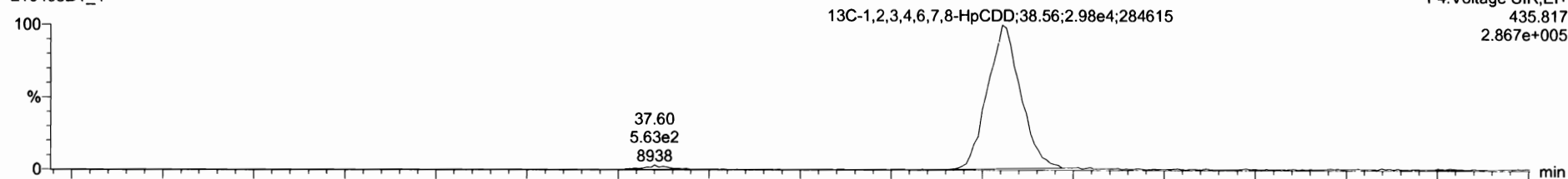


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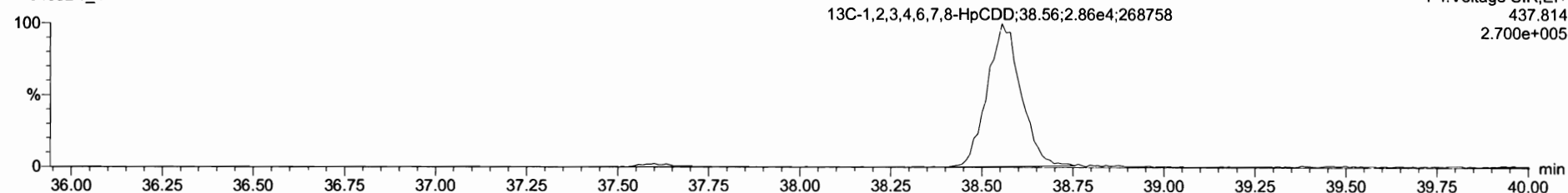


13C-1,2,3,4,6,7,8-HpCDD

210408D1_4



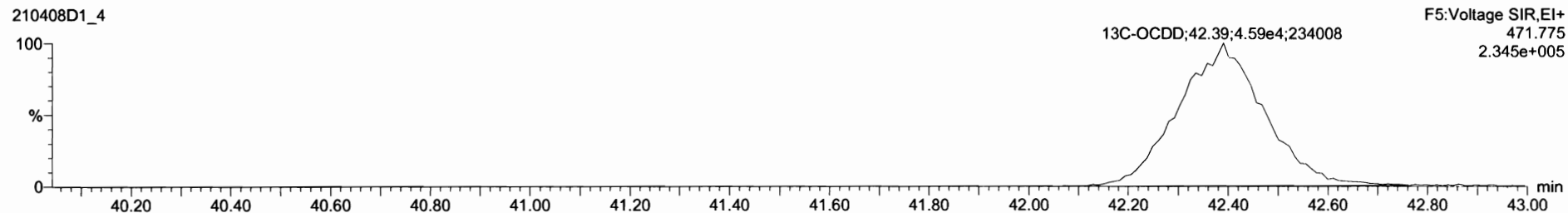
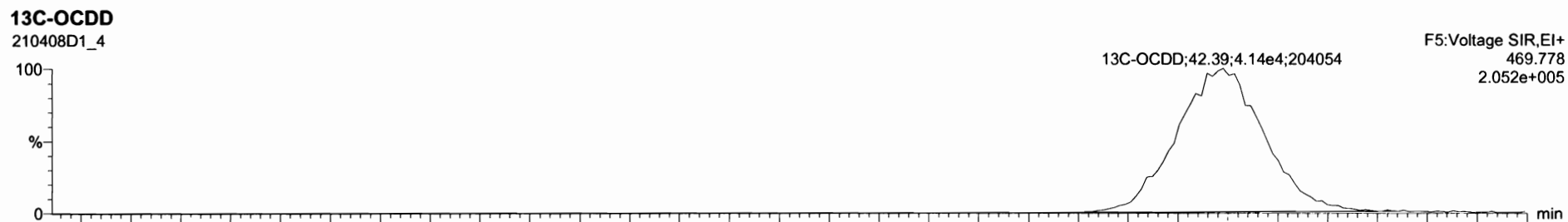
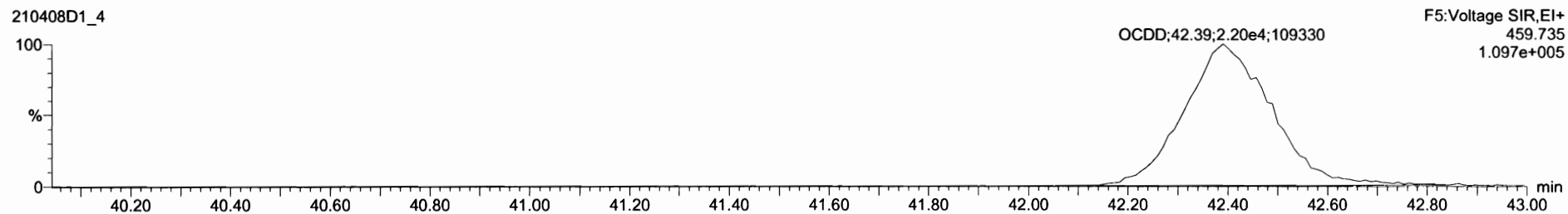
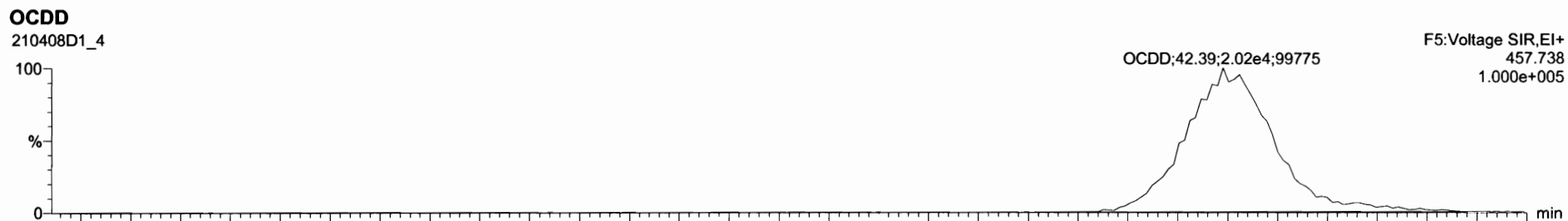
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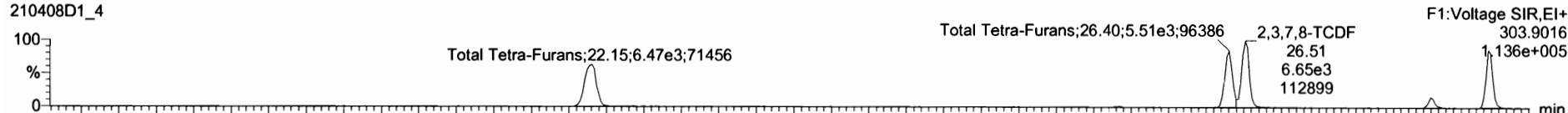
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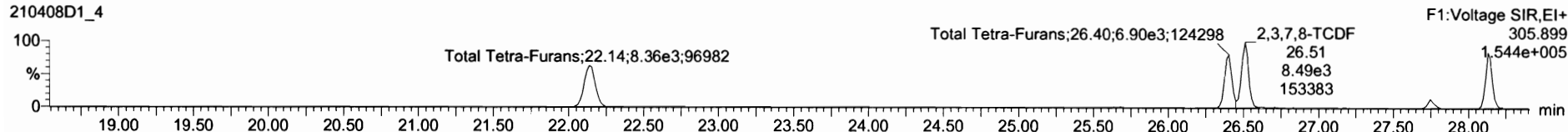
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2,3,7,8-TCDF

210408D1_4

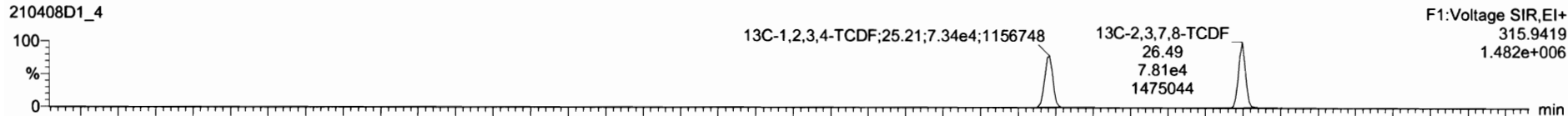


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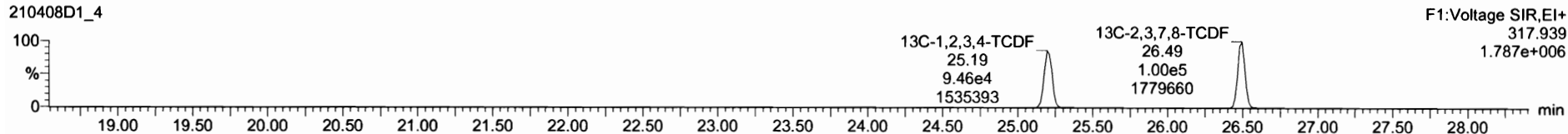


13C-2,3,7,8-TCDF

210408D1_4

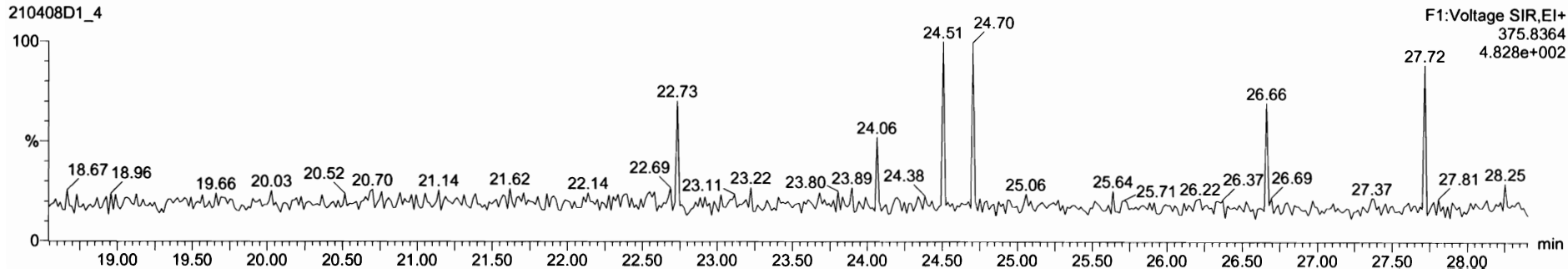


210408D1_4



DPE1

210408D1_4



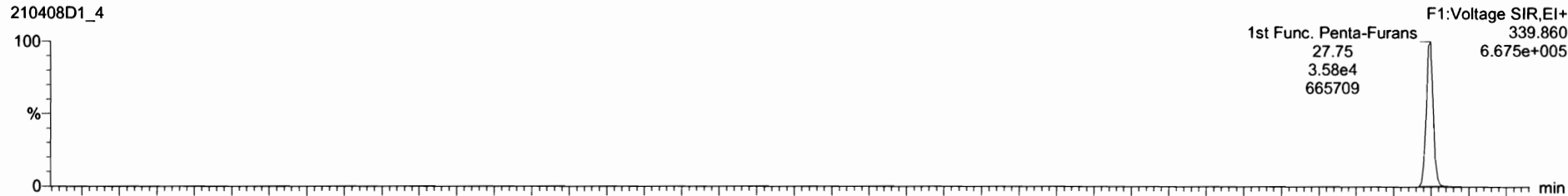
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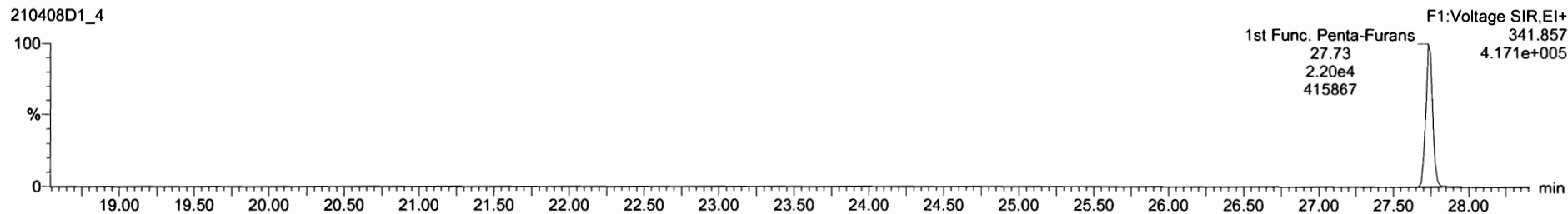
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210408D1_4

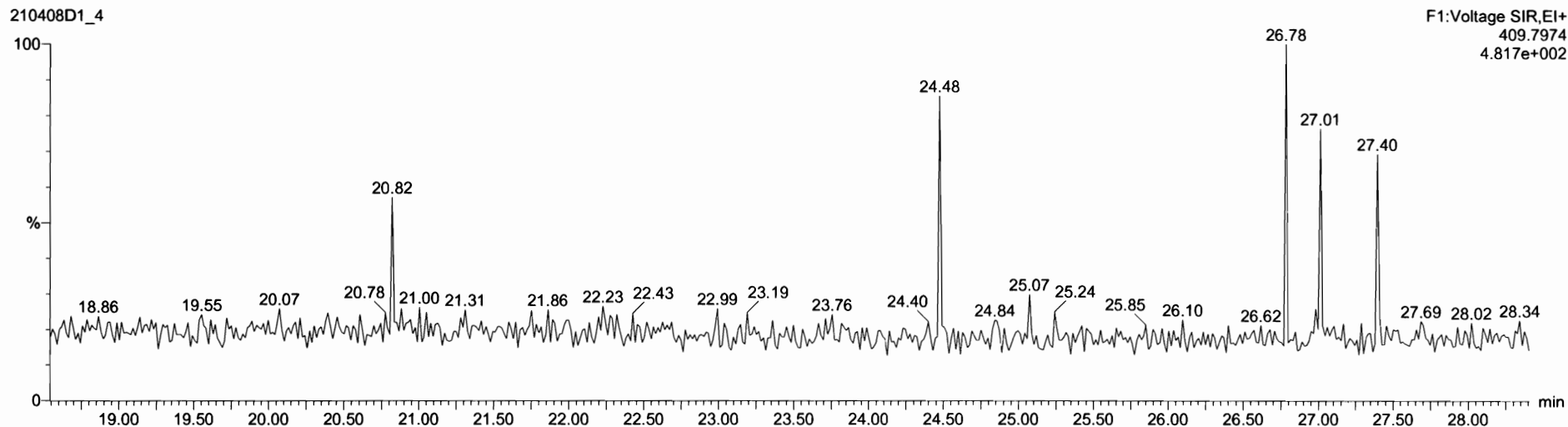


210408D1_4



DPE6

210408D1_4



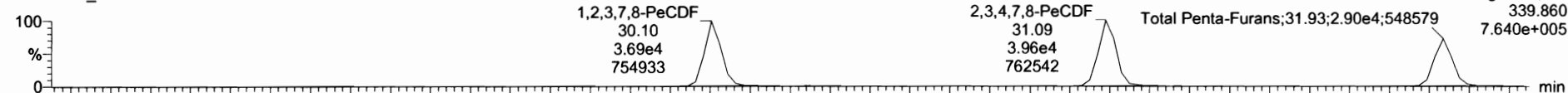
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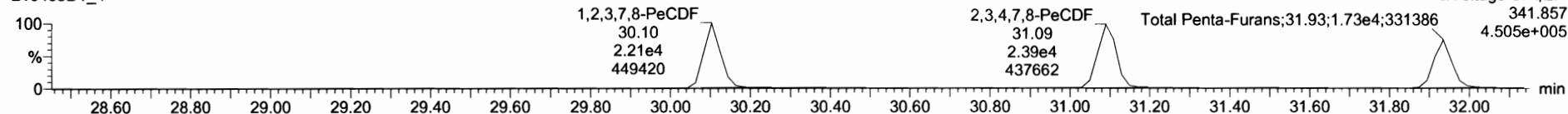
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1,2,3,7,8-PeCDF

210408D1_4



210408D1_4

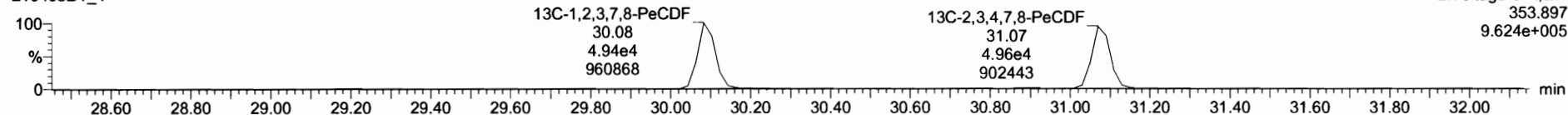


13C-1,2,3,7,8-PeCDF

210408D1_4

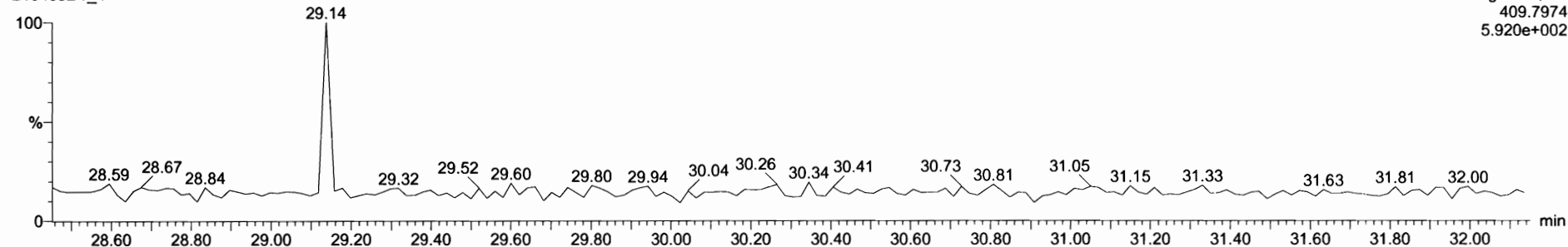


210408D1_4



DPE2

210408D1_4

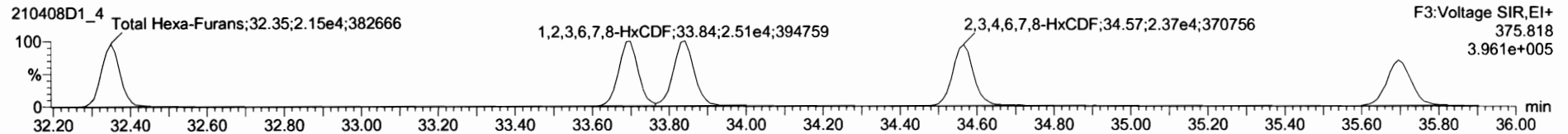
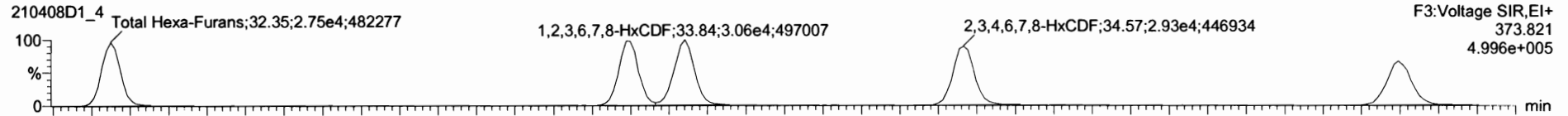


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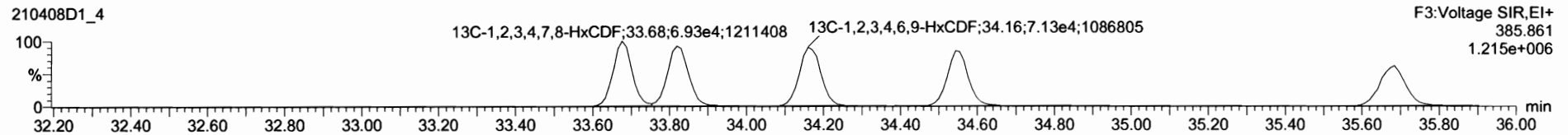
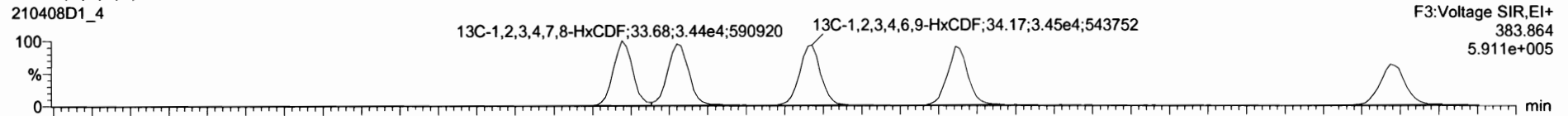
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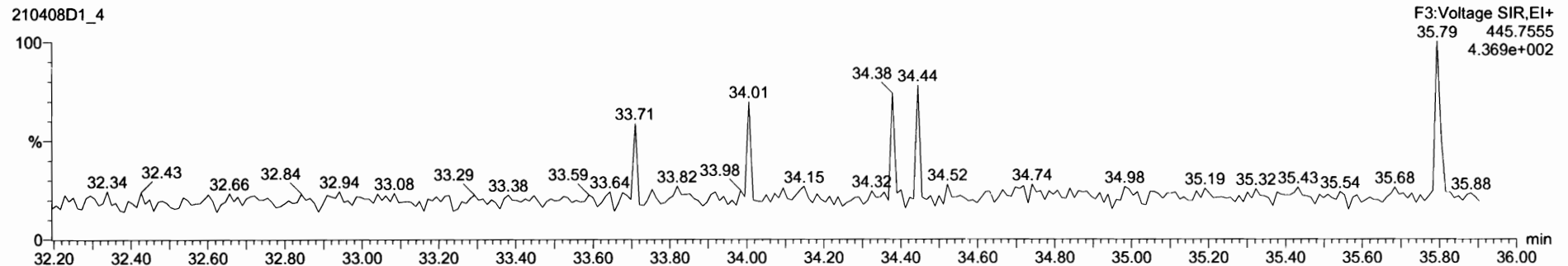
1,2,3,4,7,8-HxCDF



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



DPE3



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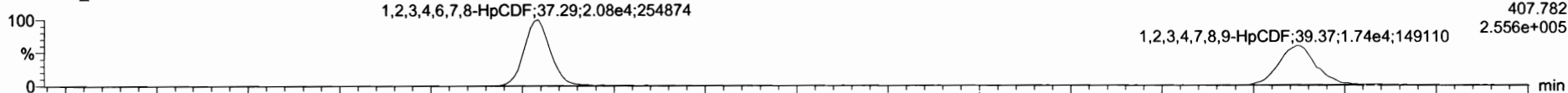
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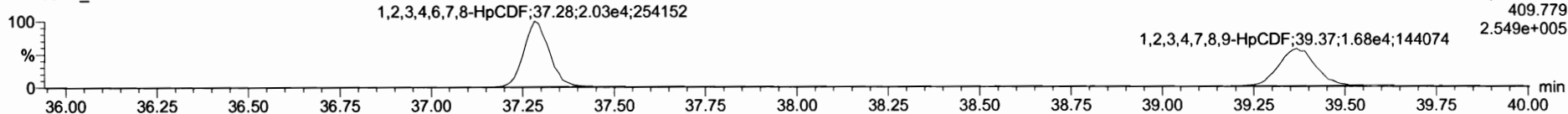
1,2,3,4,6,7,8-HpCDF

210408D1_4



F4:Voltage SIR,EI+
407.782
2.556e+005

210408D1_4



F4:Voltage SIR,EI+
409.779
2.549e+005

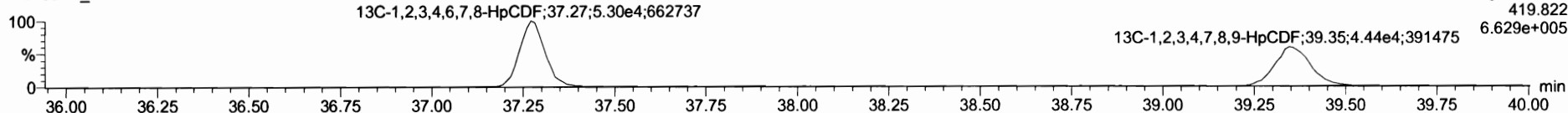
13C-1,2,3,4,6,7,8-HpCDF

210408D1_4



F4:Voltage SIR,EI+
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2.745e+005

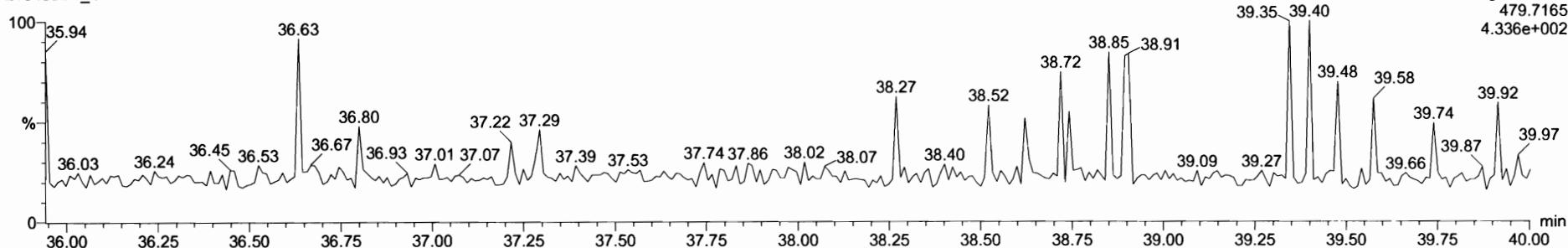
210408D1_4



F4:Voltage SIR,EI+
419.822
6.629e+005

DPE4

210408D1_4

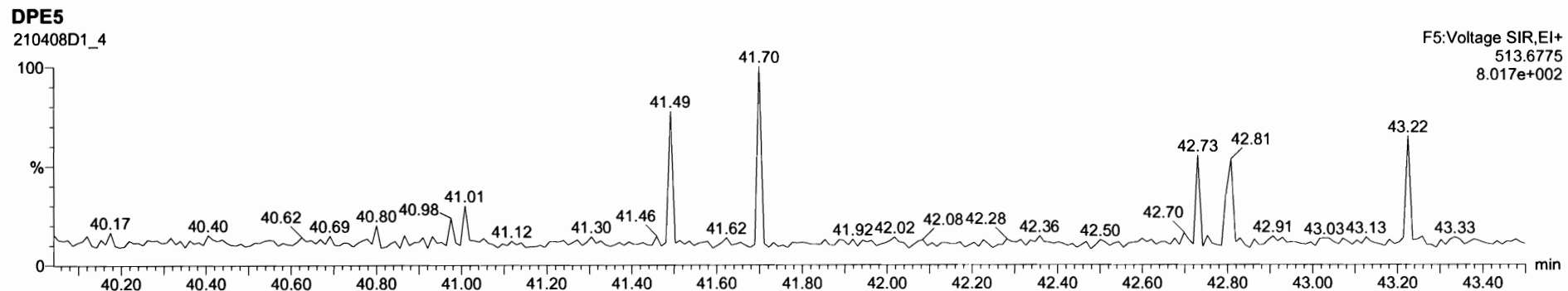
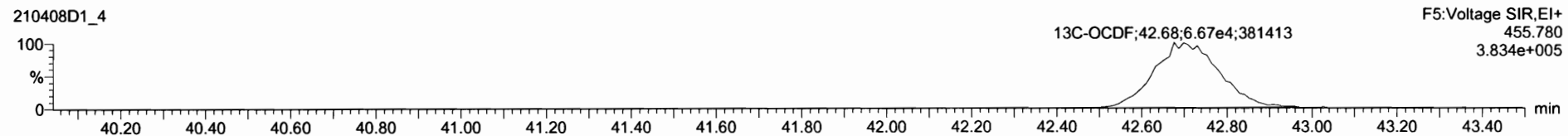
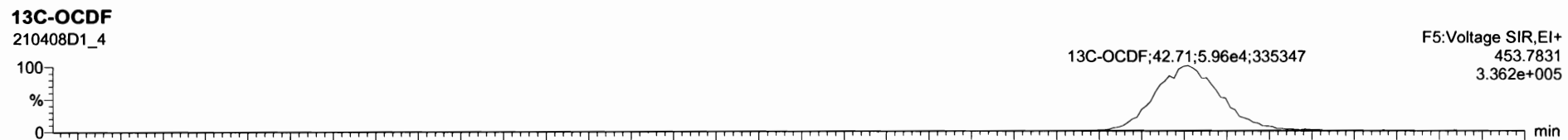
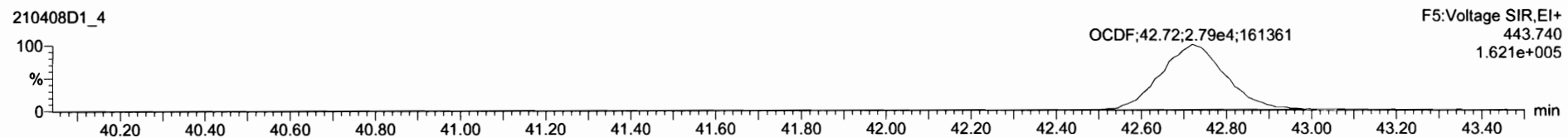
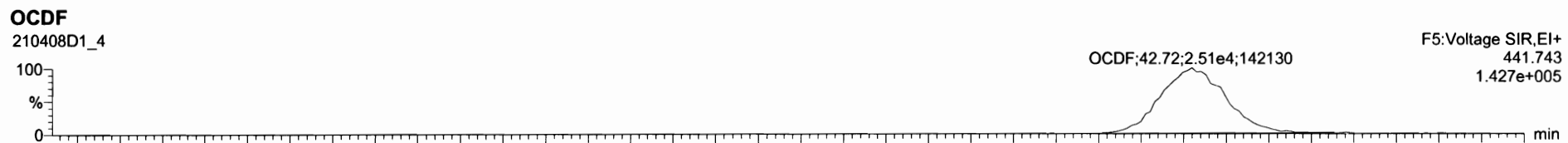


F4:Voltage SIR,EI+
479.7165
4.336e+002

Dataset: Untitled

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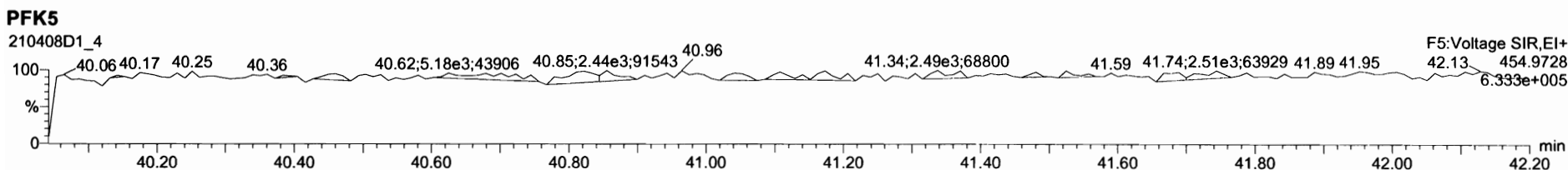
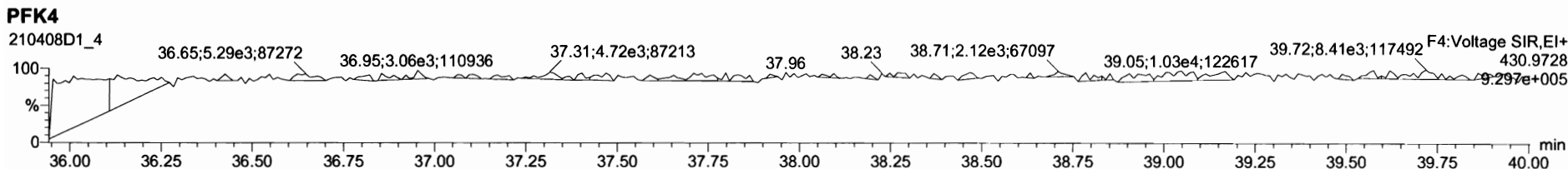
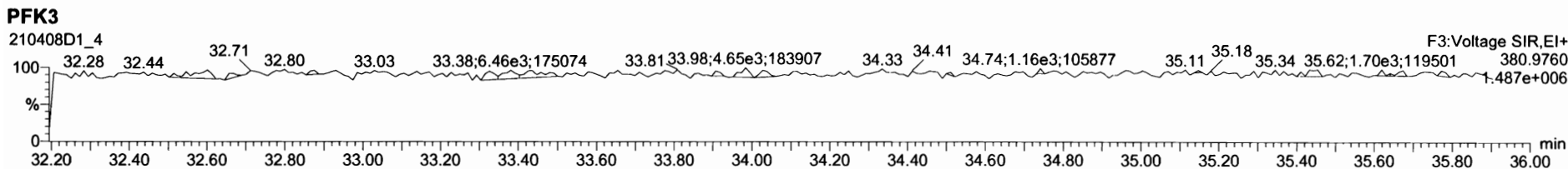
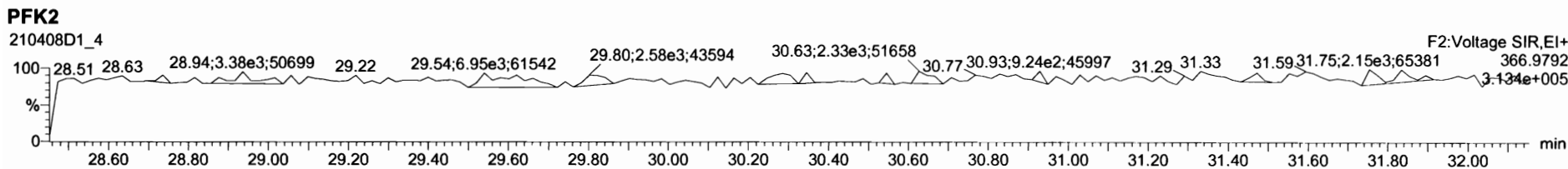
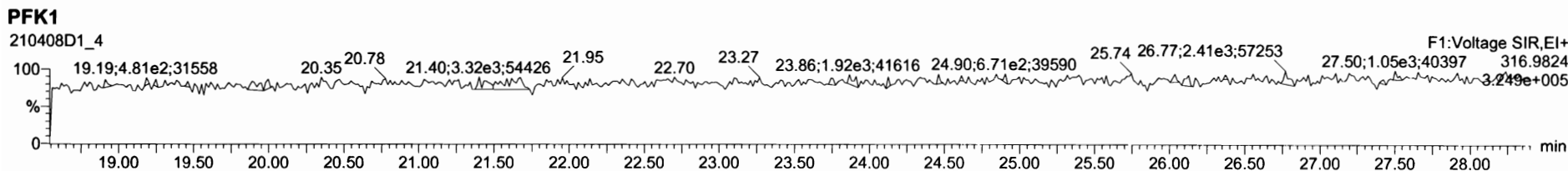


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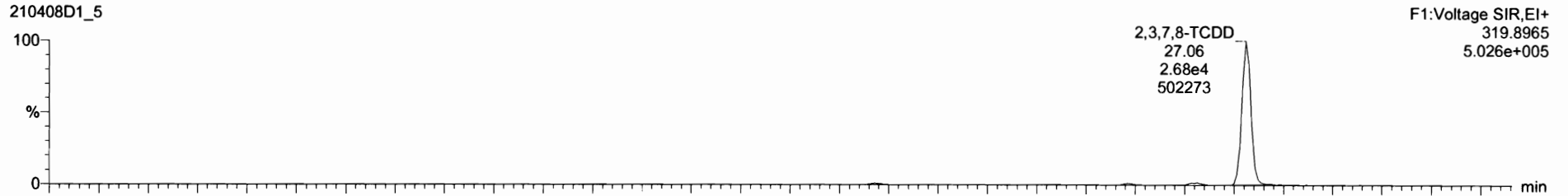
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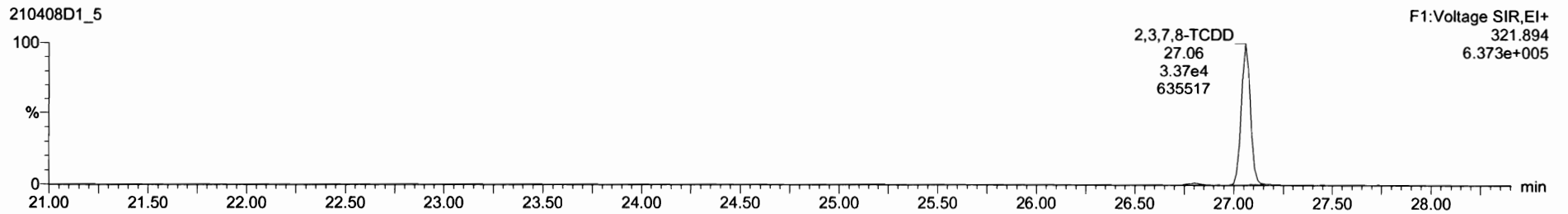
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2,3,7,8-TCDD

210408D1_5

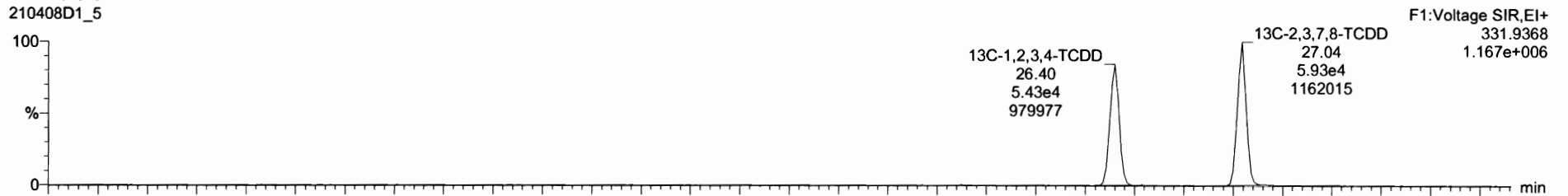


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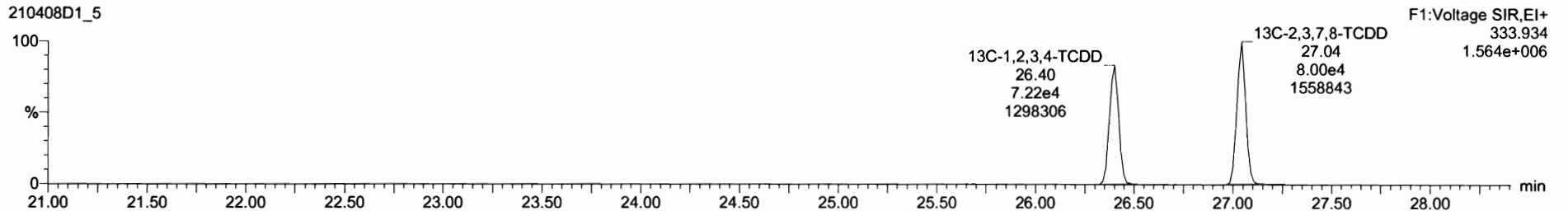


13C-2,3,7,8-TCDD

210408D1_5



210408D1_5



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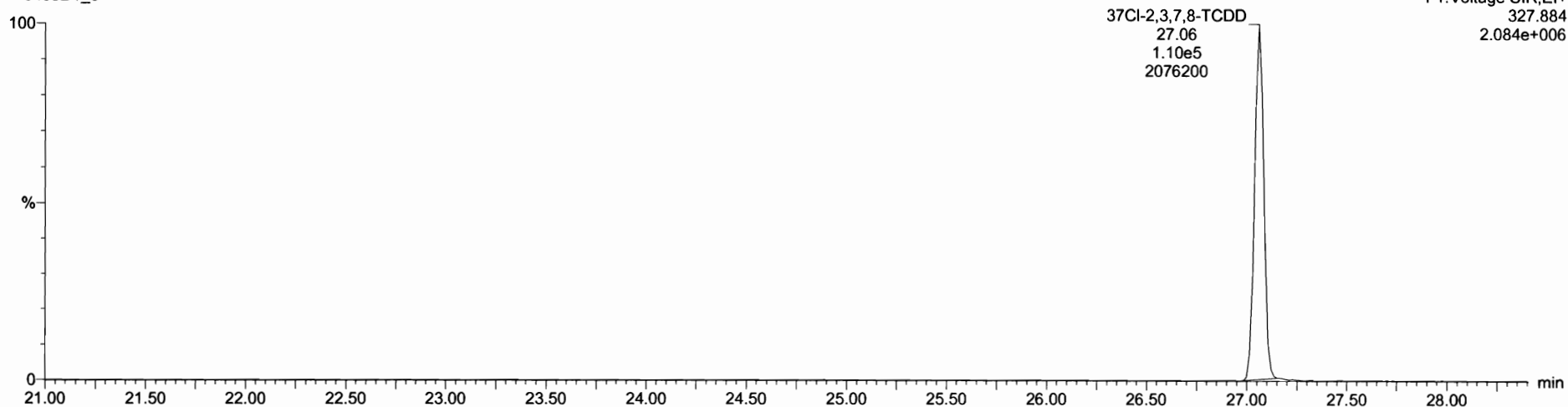
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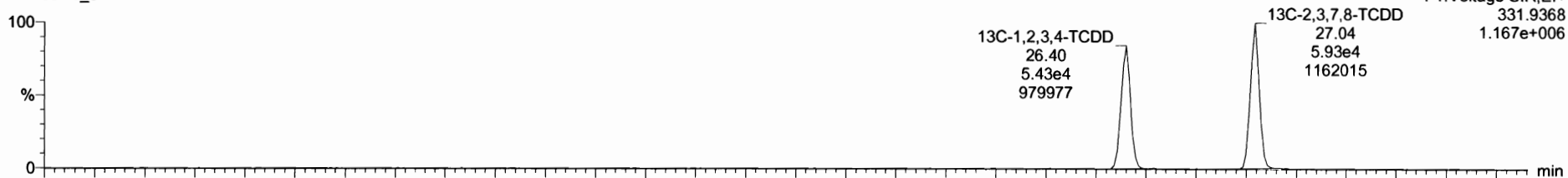
37Cl-2,3,7,8-TCDD

210408D1_5

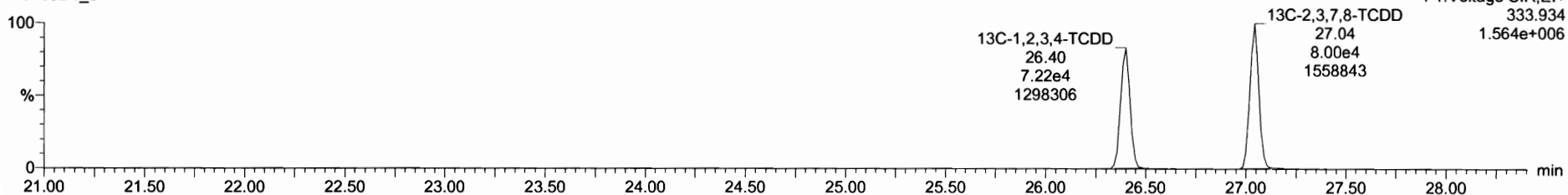


13C-1,2,3,4-TCDD

210408D1_5



210408D1_5



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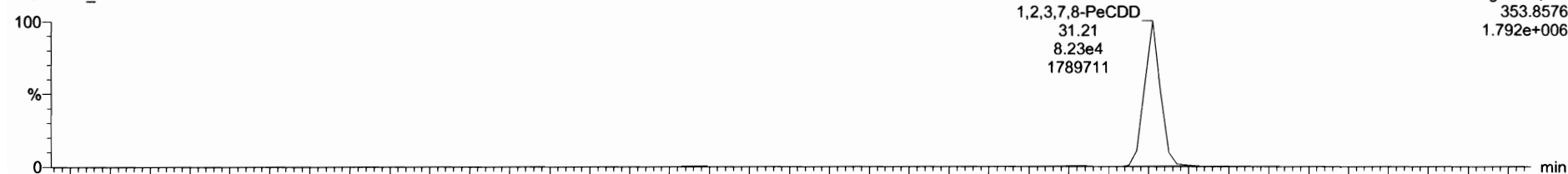
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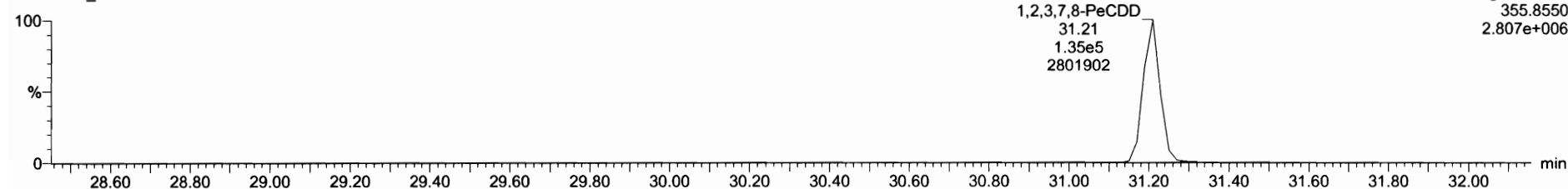
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1,2,3,7,8-PeCDD

210408D1_5

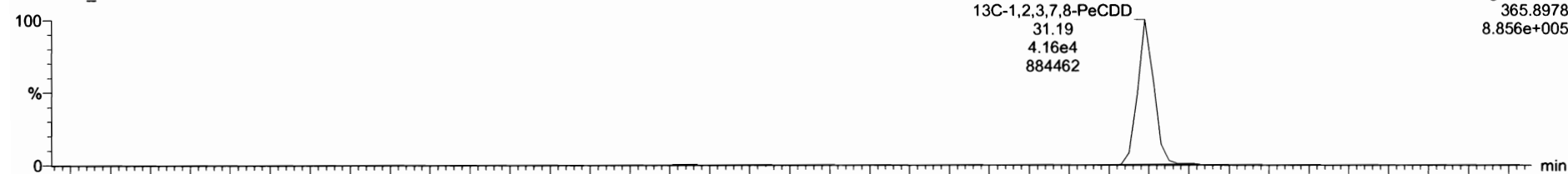


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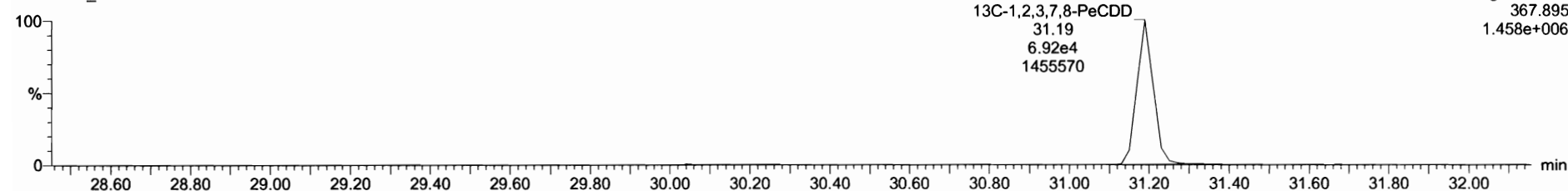


13C-1,2,3,7,8-PeCDD

210408D1_5



210408D1_5



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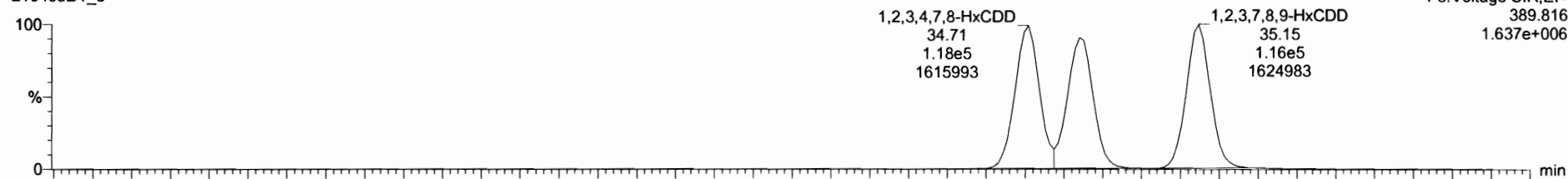
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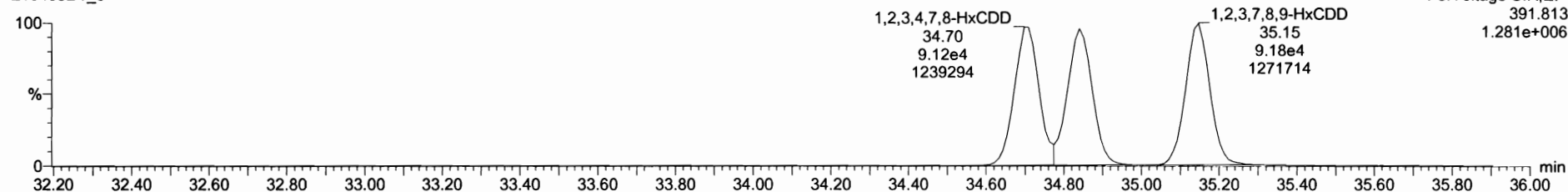
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1,2,3,4,7,8-HxCDD

210408D1_5

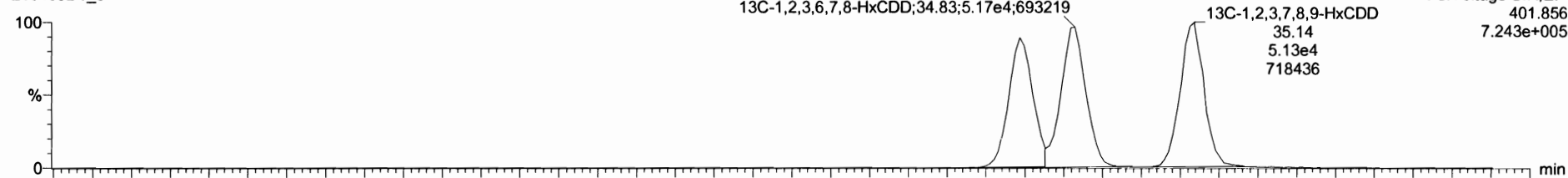


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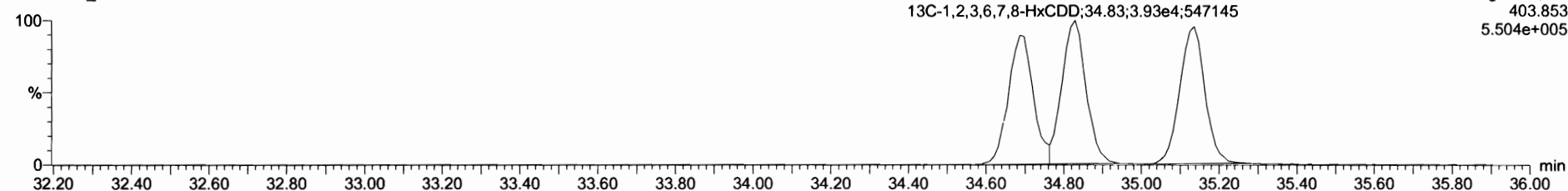


13C-1,2,3,4,7,8-HxCDD

210408D1_5



210408D1_5



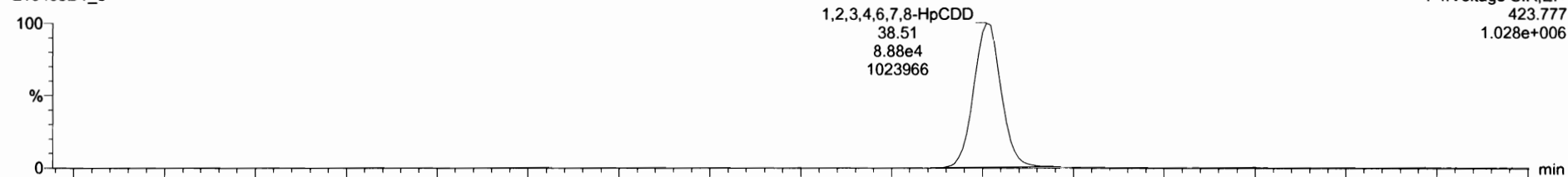
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

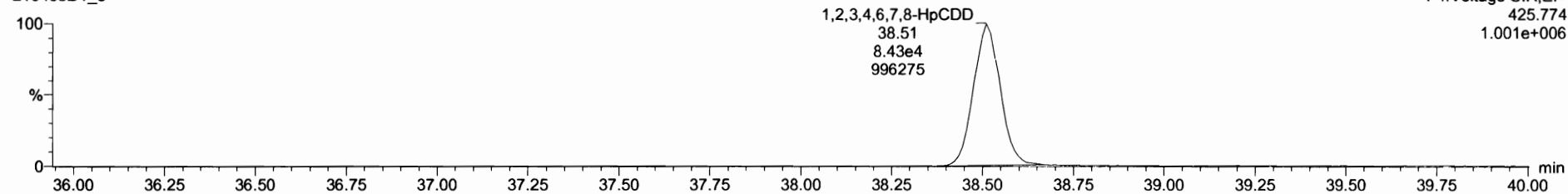
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1,2,3,4,6,7,8-HpCDD

210408D1_5

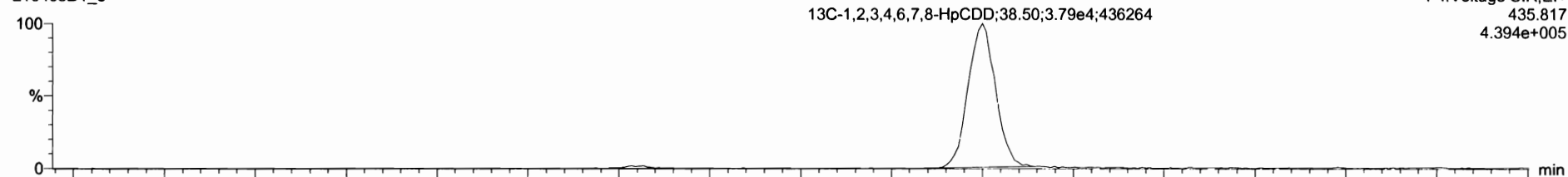


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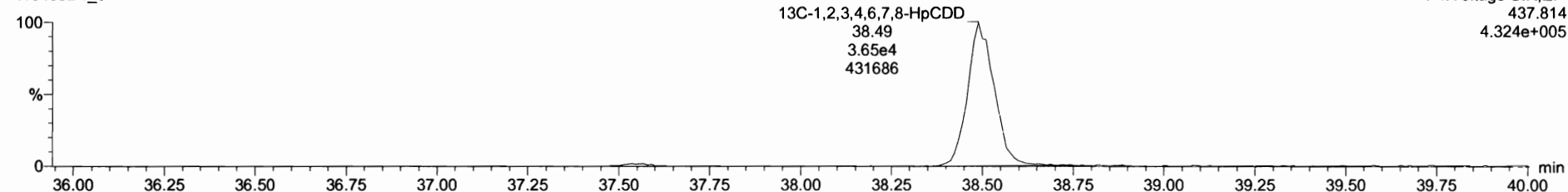


13C-1,2,3,4,6,7,8-HpCDD

210408D1_5



210408D1_5

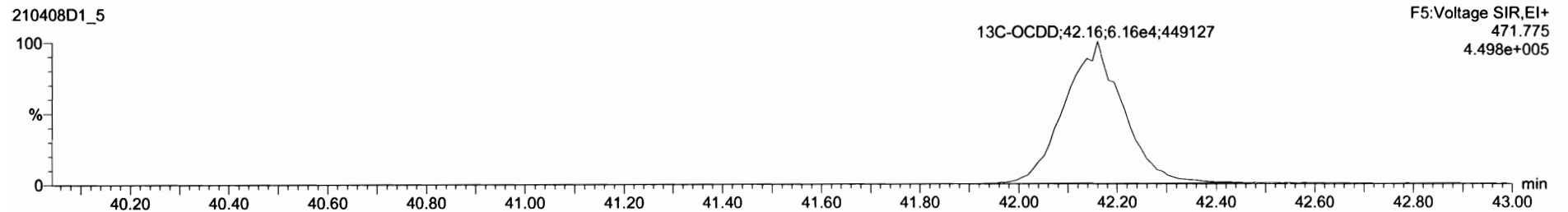
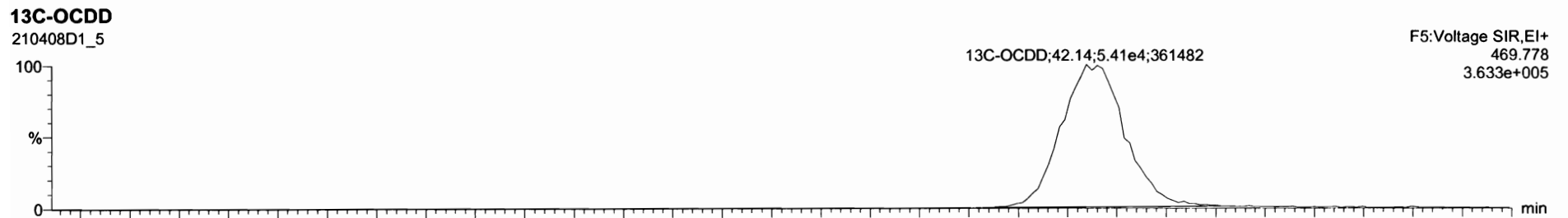
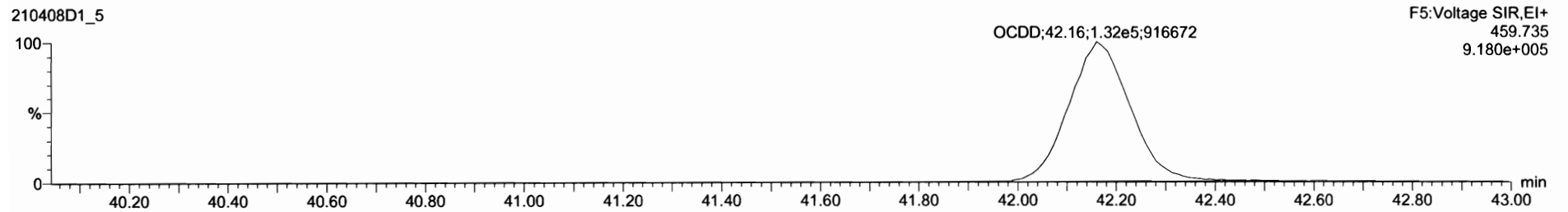
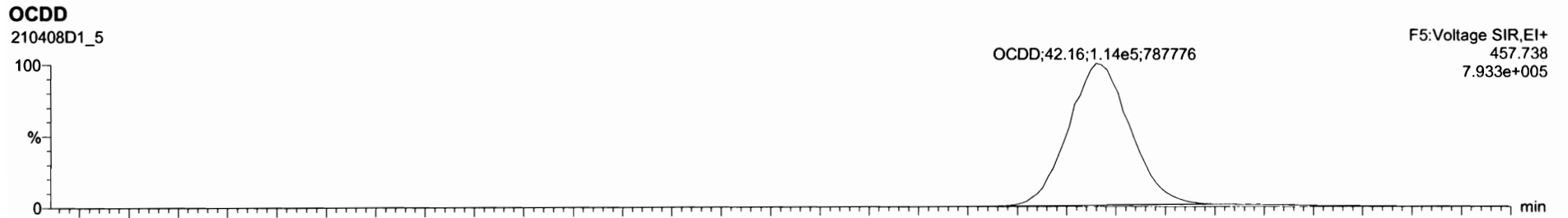


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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

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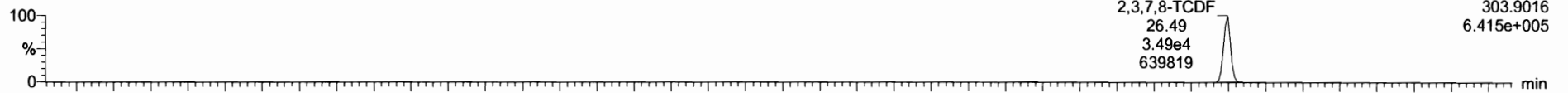
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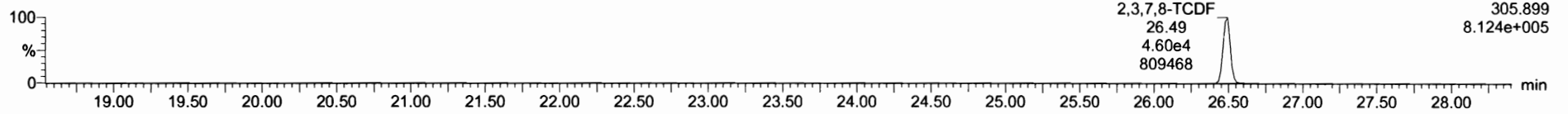
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2,3,7,8-TCDF

210408D1_5

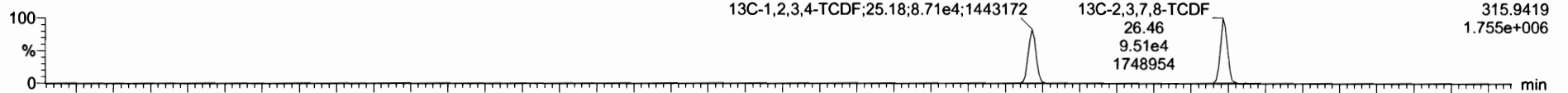


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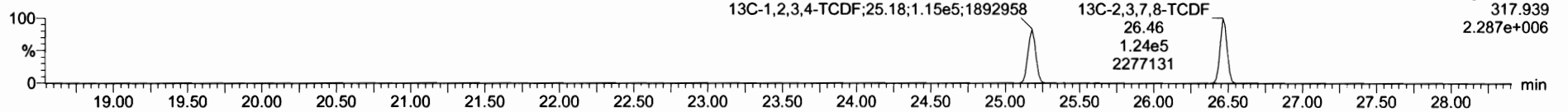


13C-2,3,7,8-TCDF

210408D1_5

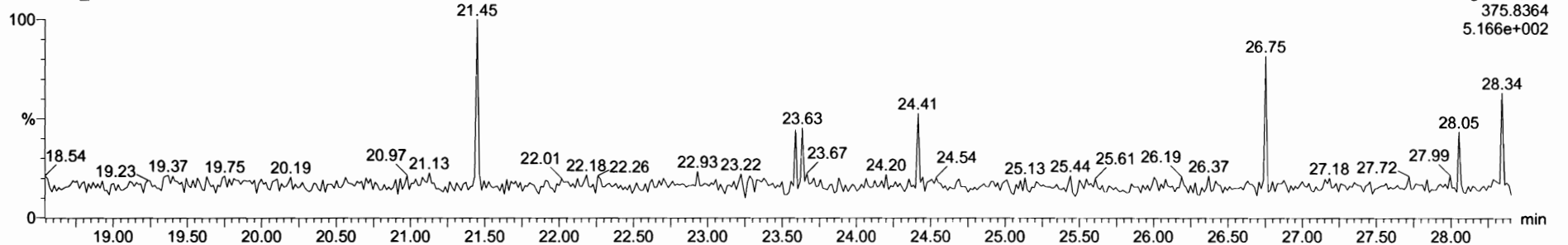


210408D1_5



DPE1

210408D1_5



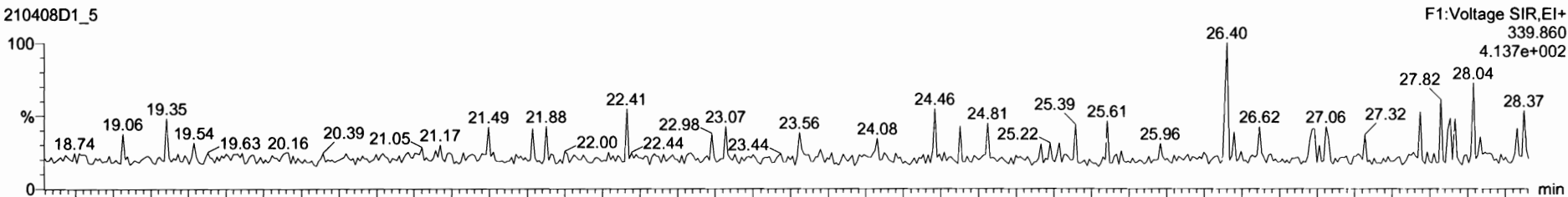
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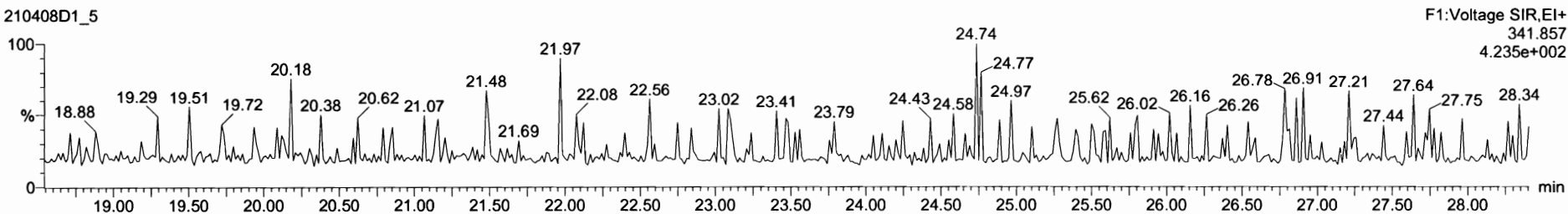
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1st Func. Penta-Furans

210408D1_5

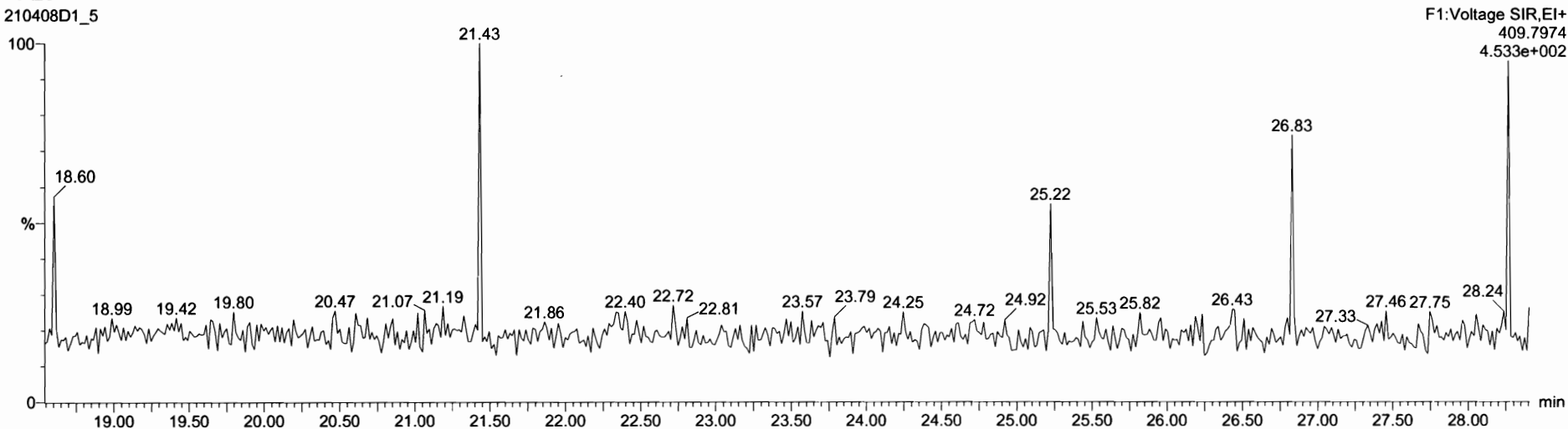


210408D1_5



DPE6

210408D1_5



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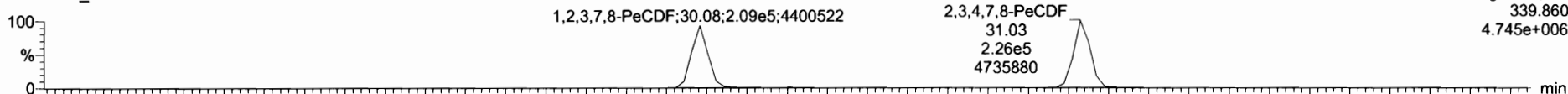
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

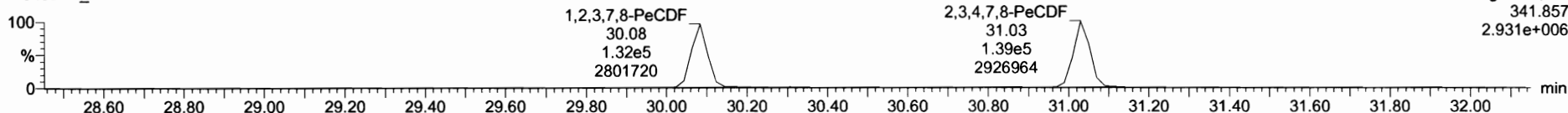
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1,2,3,7,8-PeCDF

210408D1_5

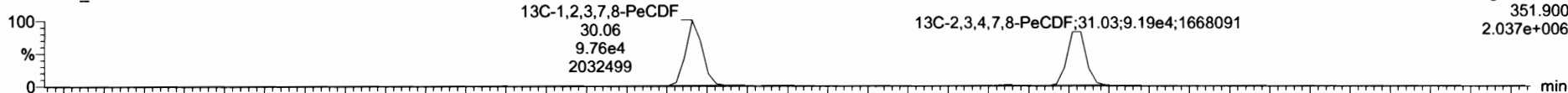


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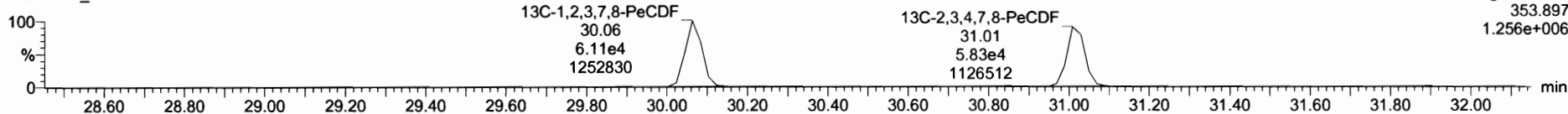


13C-1,2,3,7,8-PeCDF

210408D1_5

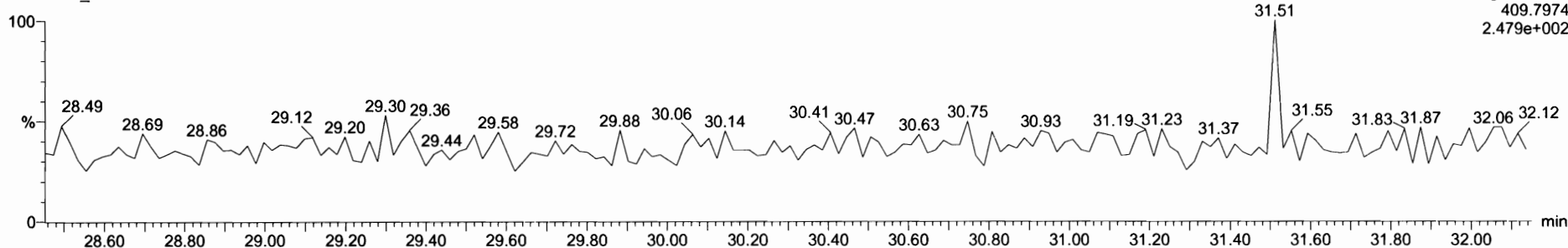


210408D1_5



DPE2

210408D1_5



Dataset: Untitled

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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

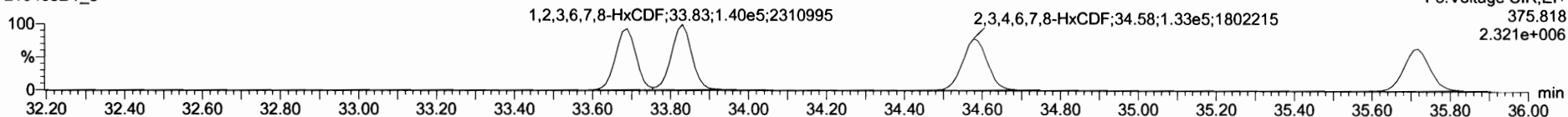
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1,2,3,4,7,8-HxCDF

210408D1_5

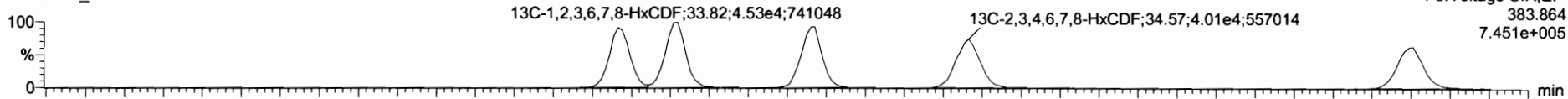


210408D1_5

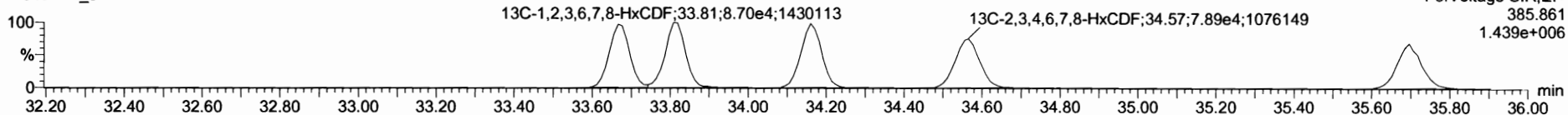


13C-1,2,3,4,7,8-HxCDF

210408D1_5

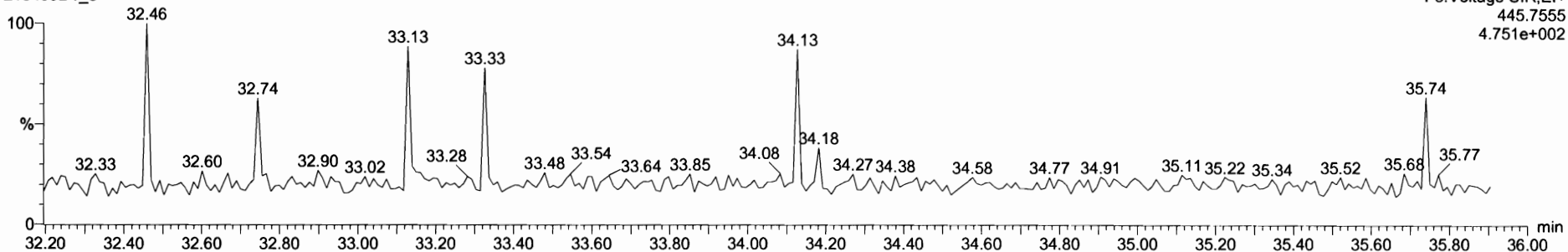


210408D1_5



DPE3

210408D1_5



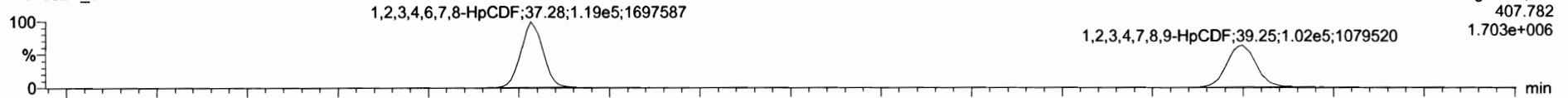
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Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
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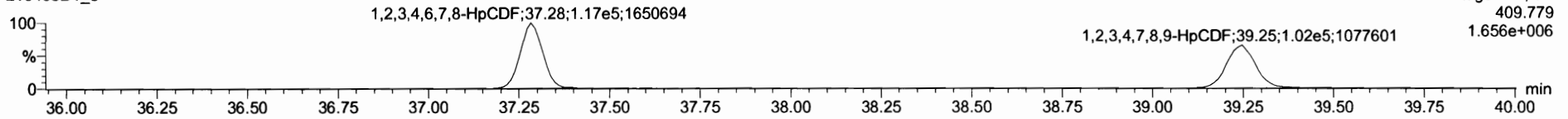
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1,2,3,4,6,7,8-HpCDF

210408D1_5

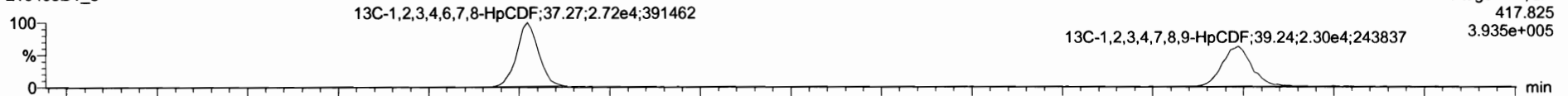


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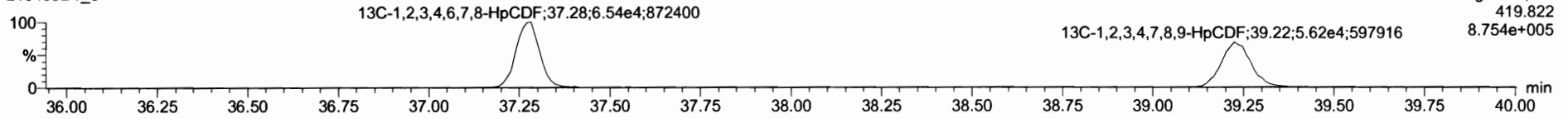


13C-1,2,3,4,6,7,8-HpCDF

210408D1_5

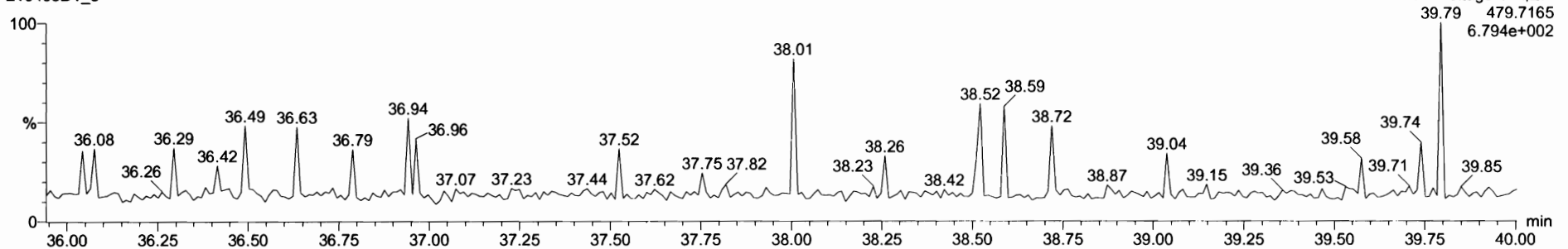


210408D1_5



DPE4

210408D1_5



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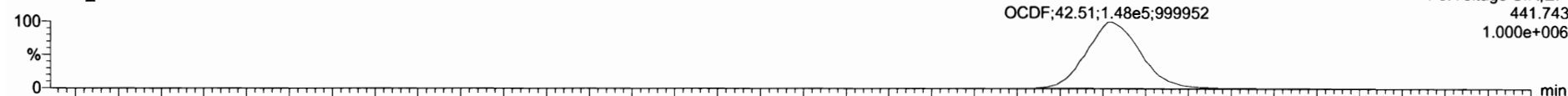
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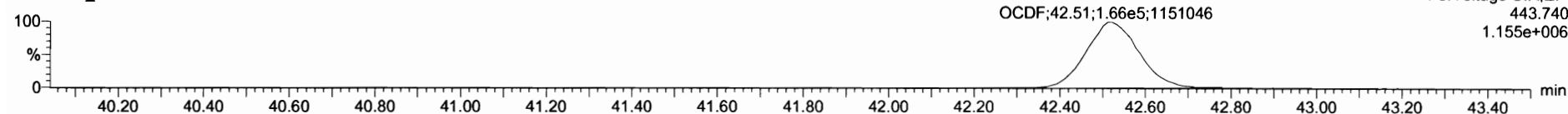
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OCDF

210408D1_5

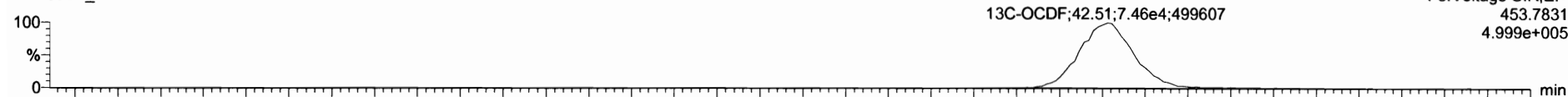


210408D1_5

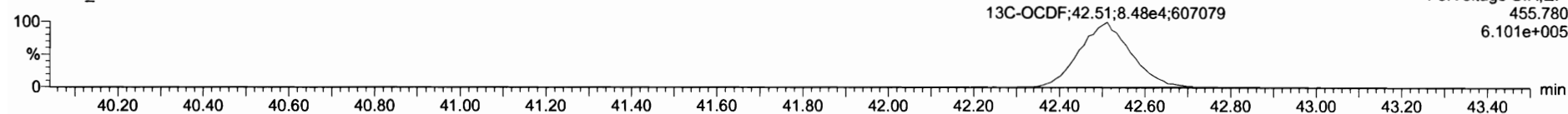


13C-OCDF

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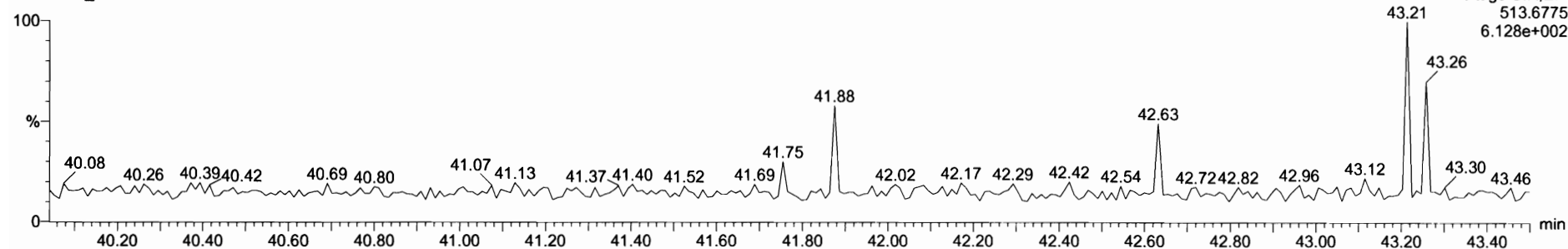


210408D1_5



DPE5

210408D1_5

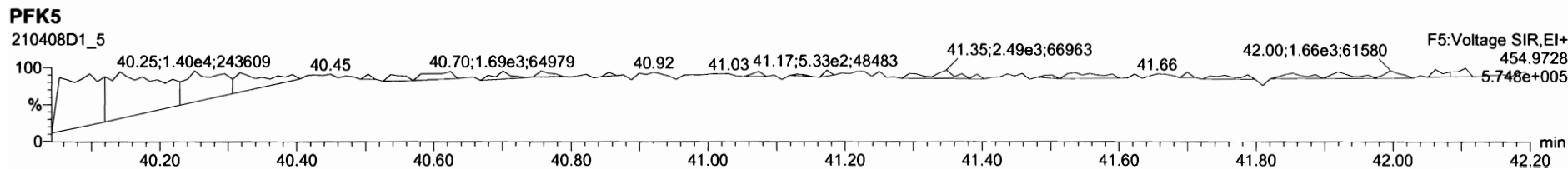
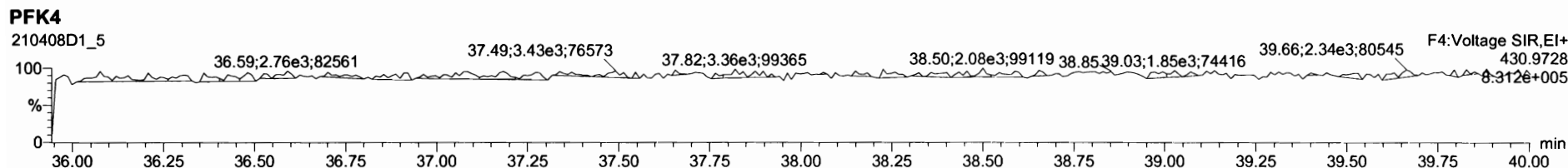
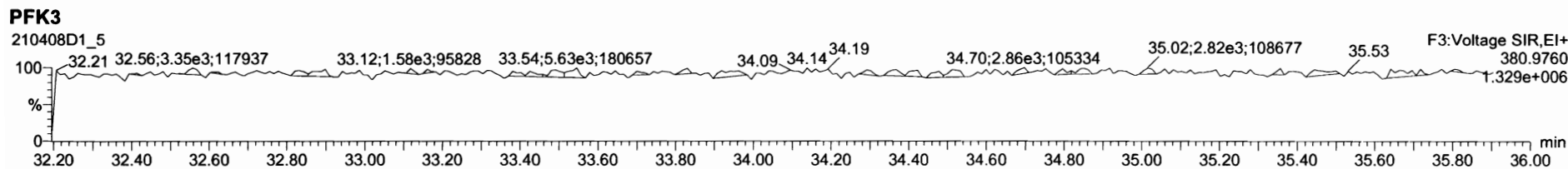
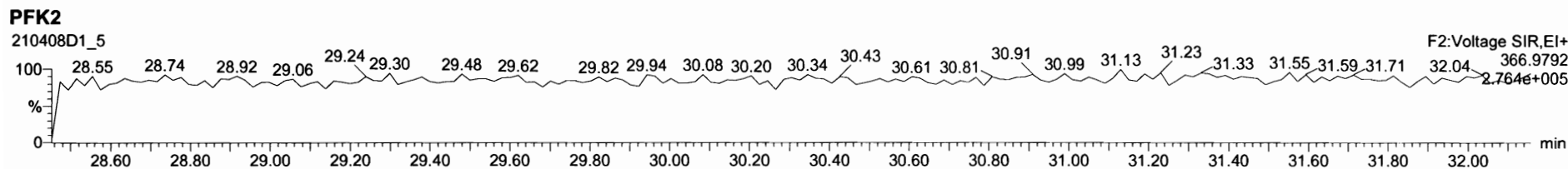
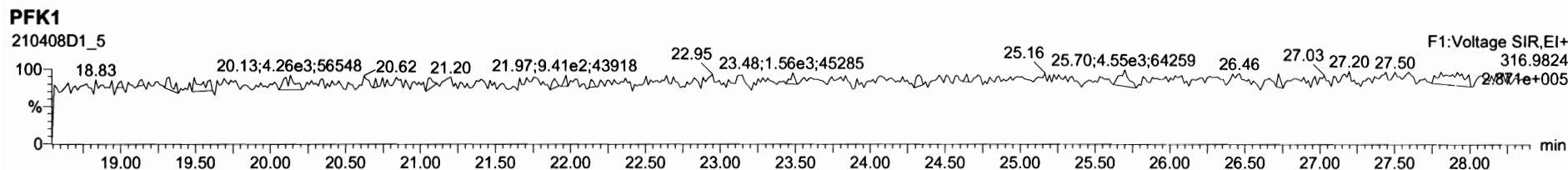


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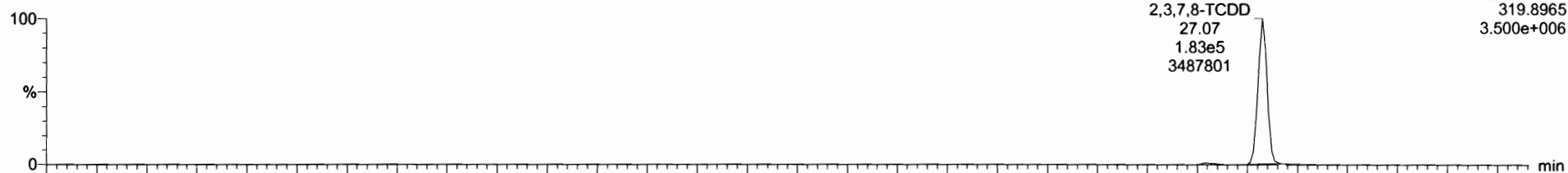
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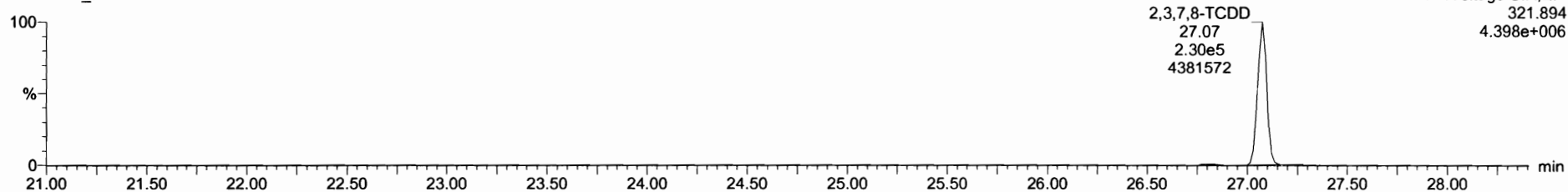
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2,3,7,8-TCDD

210408D1_6

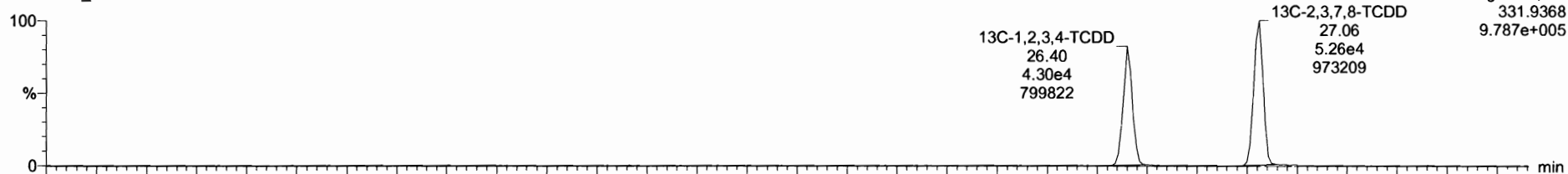


210408D1_6

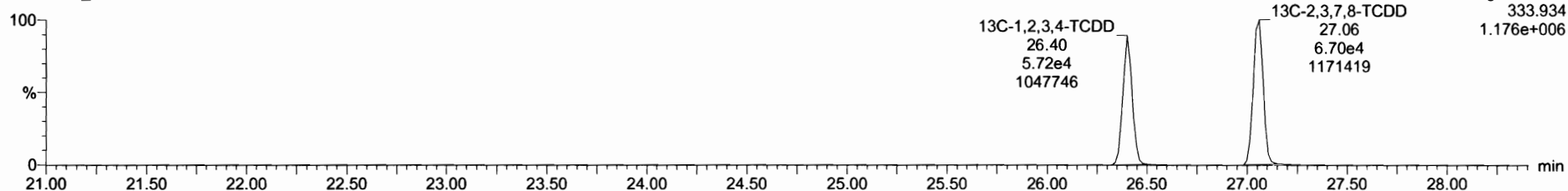


13C-2,3,7,8-TCDD

210408D1_6



210408D1_6



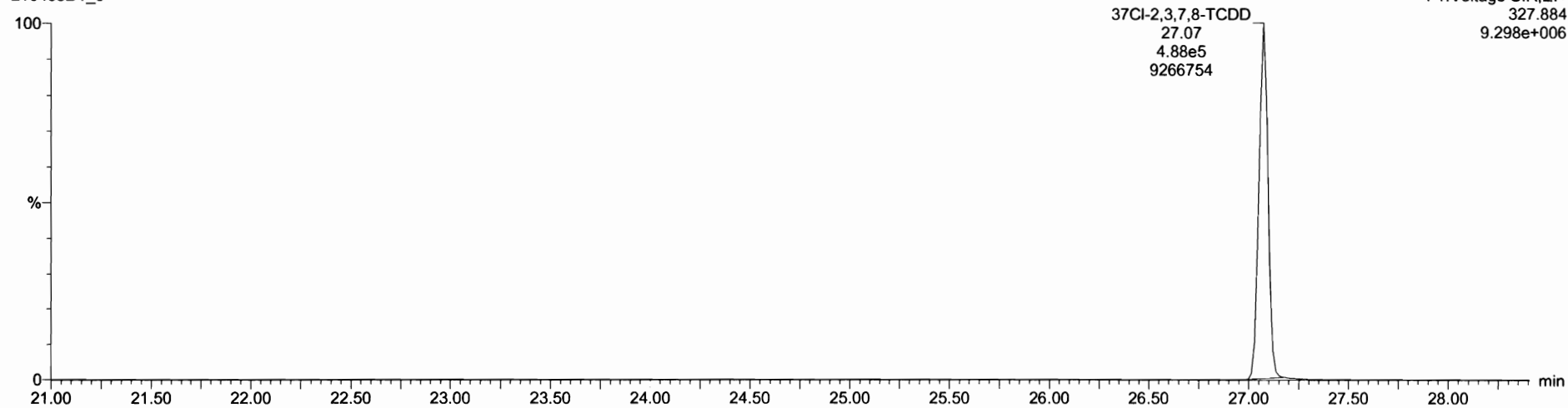
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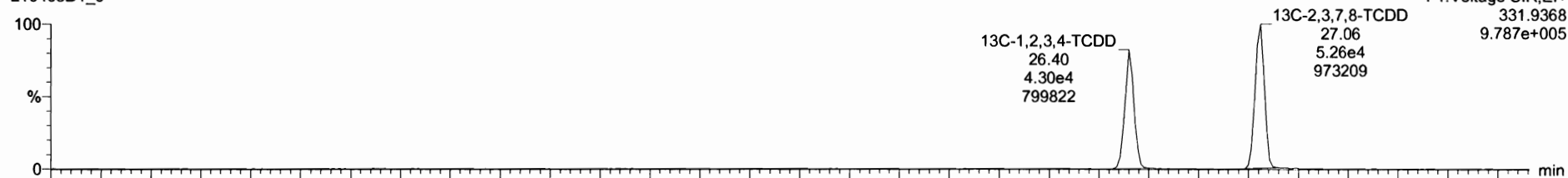
37Cl-2,3,7,8-TCDD

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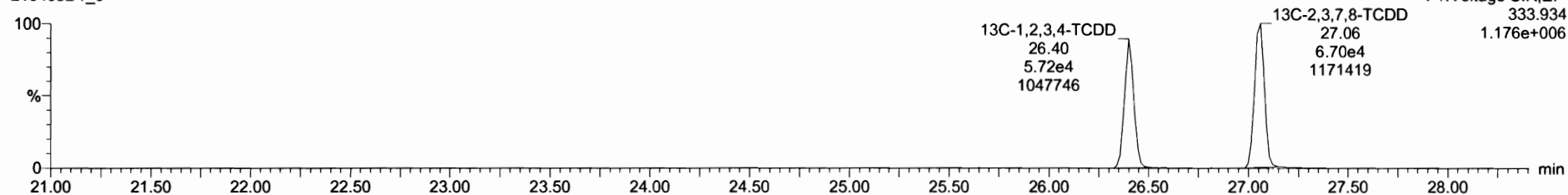


13C-1,2,3,4-TCDD

210408D1_6



210408D1_6



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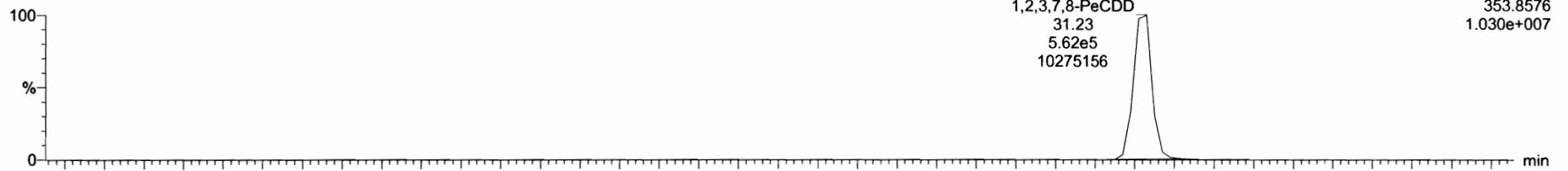
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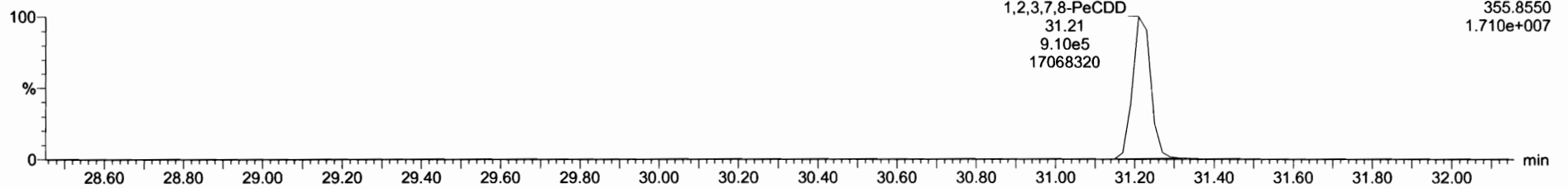
1,2,3,7,8-PeCDD

210408D1_6



F2:Voltage SIR,EI+
353.8576
1.030e+007

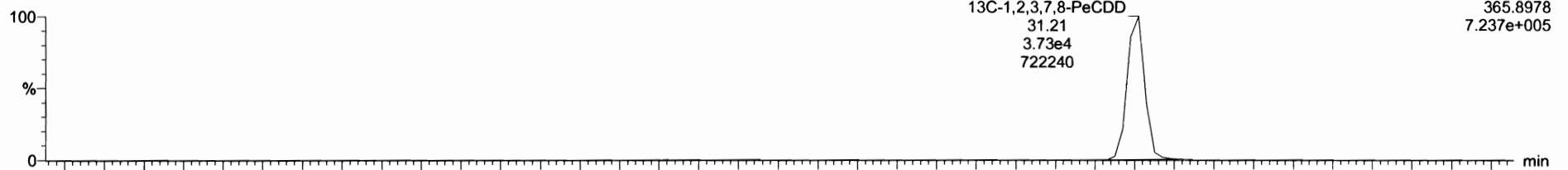
210408D1_6



F2:Voltage SIR,EI+
355.8550
1.710e+007

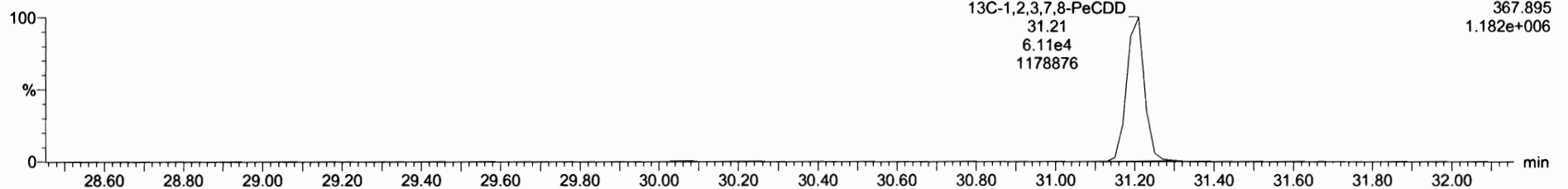
13C-1,2,3,7,8-PeCDD

210408D1_6



F2:Voltage SIR,EI+
365.8978
7.237e+005

210408D1_6



F2:Voltage SIR,EI+
367.895
1.182e+006

Dataset: Untitled

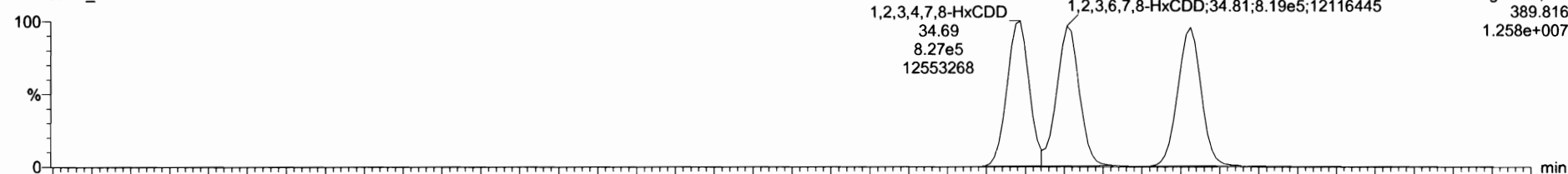
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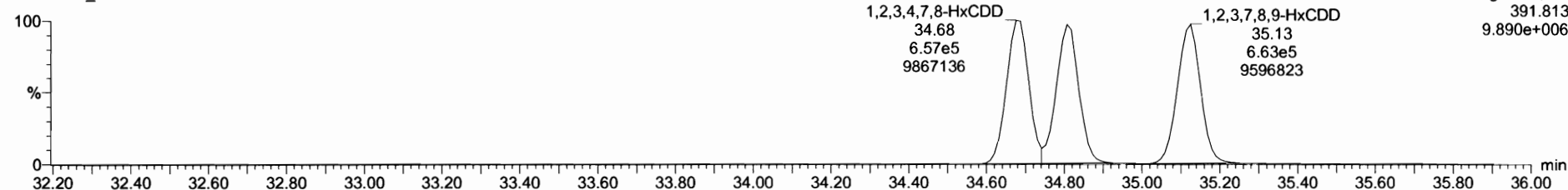
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1,2,3,4,7,8-HxCDD

210408D1_6

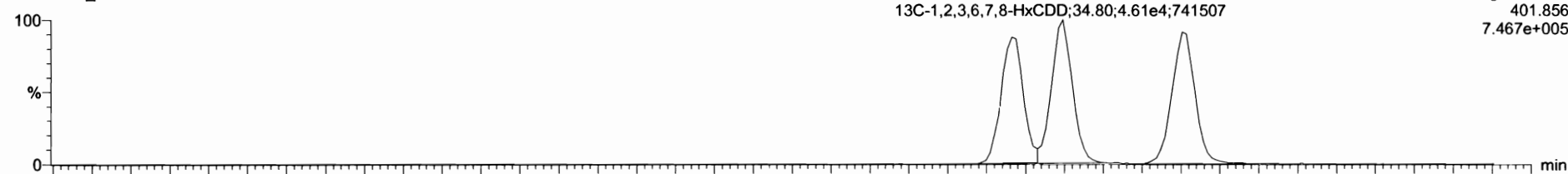


210408D1_6

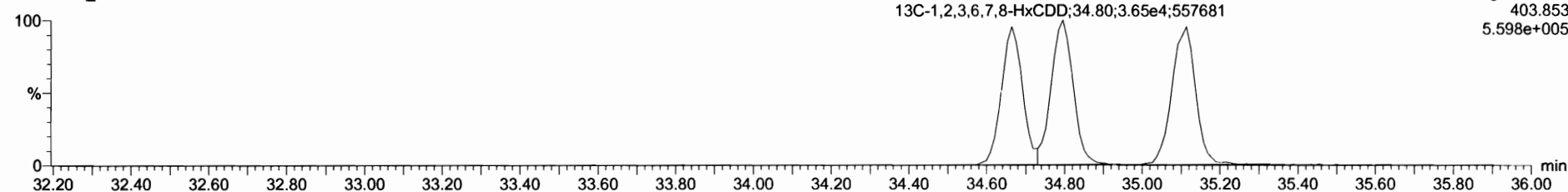


13C-1,2,3,4,7,8-HxCDD

210408D1_6



210408D1_6



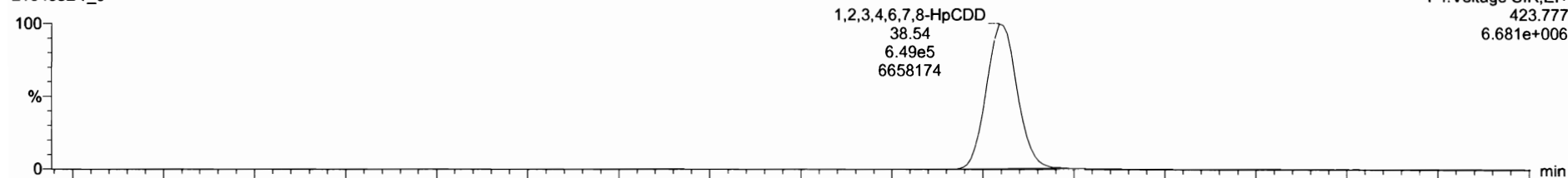
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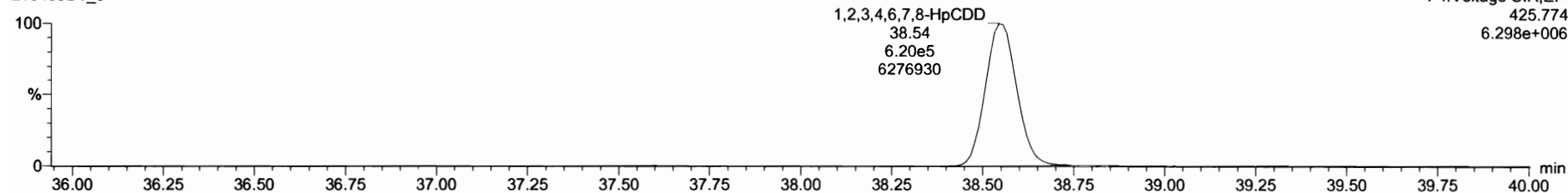
1,2,3,4,6,7,8-HpCDD

210408D1_6



F4:Voltage SIR,EI+
423.777
6.681e+006

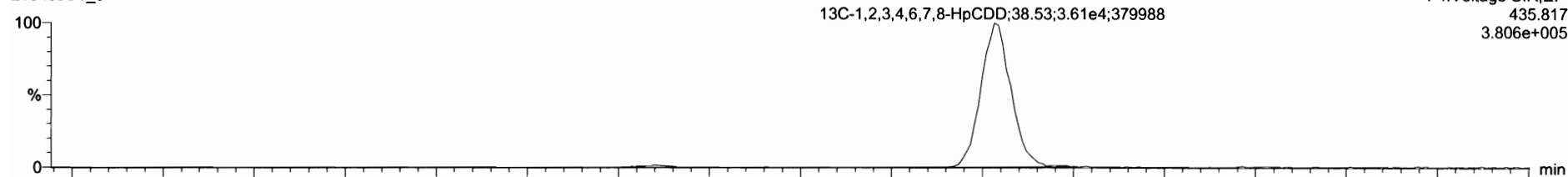
210408D1_6



F4:Voltage SIR,EI+
425.774
6.298e+006

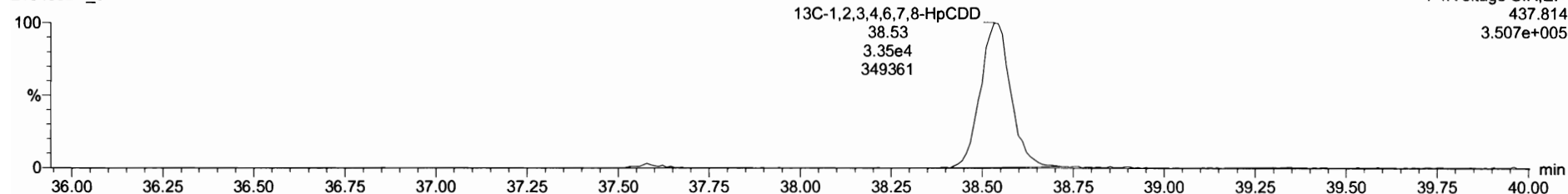
13C-1,2,3,4,6,7,8-HpCDD

210408D1_6



F4:Voltage SIR,EI+
435.817
3.806e+005

210408D1_6

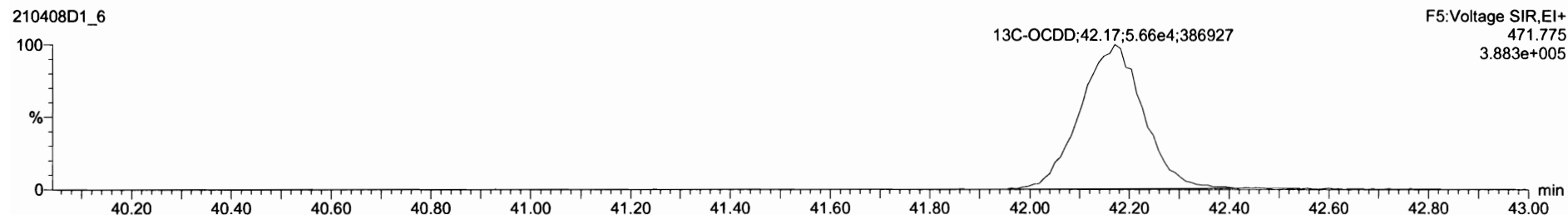
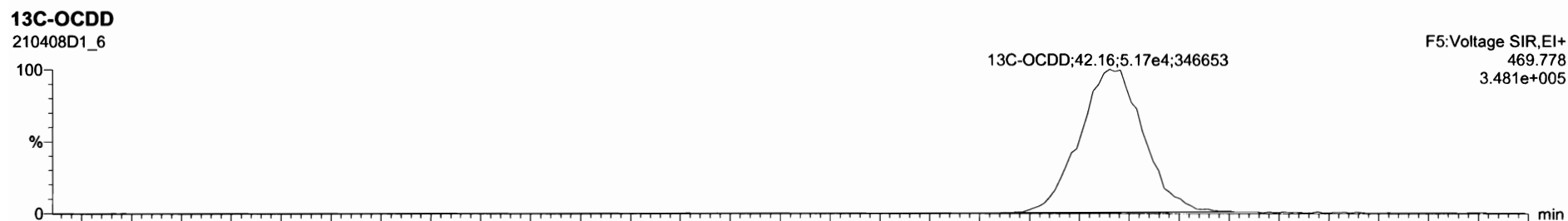
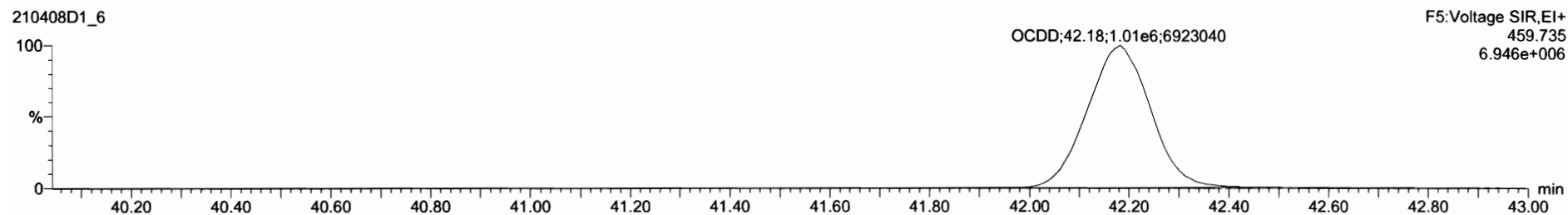
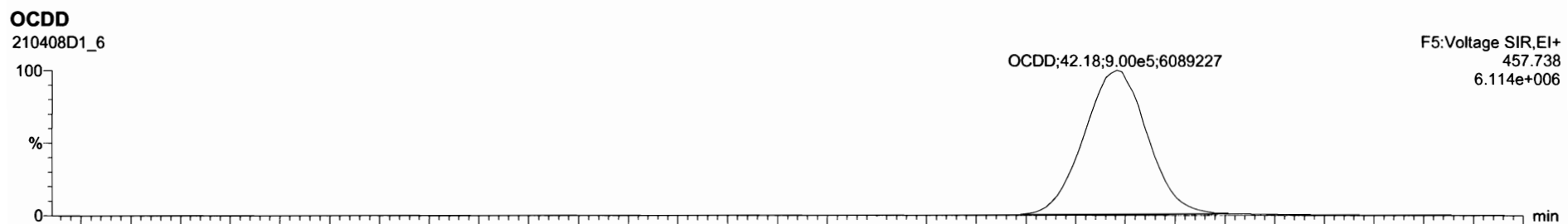


F4:Voltage SIR,EI+
437.814
3.507e+005

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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

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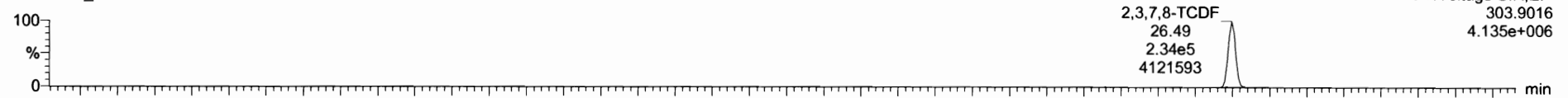
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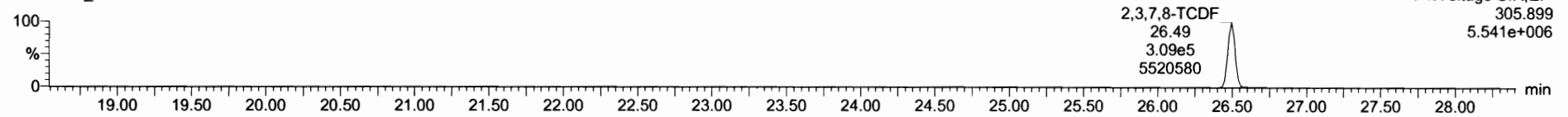
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2,3,7,8-TCDF

210408D1_6

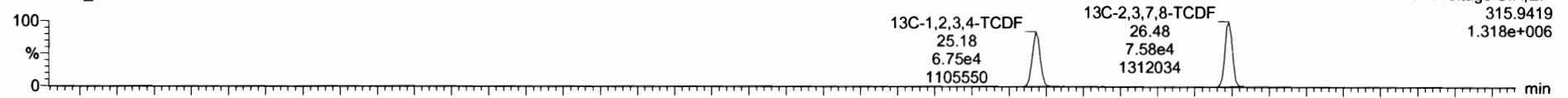


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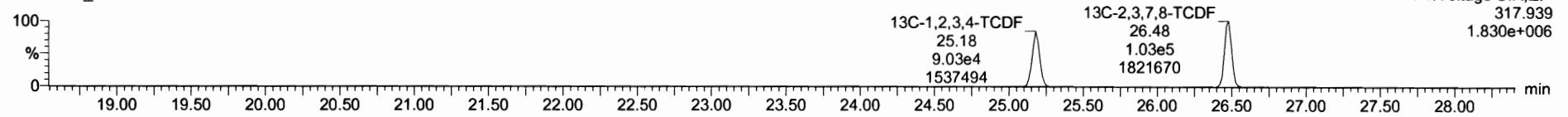


13C-2,3,7,8-TCDF

210408D1_6

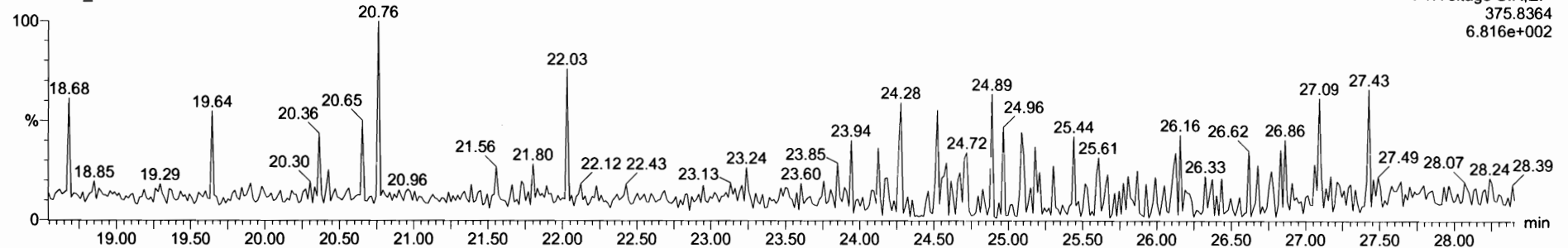


210408D1_6



DPE1

210408D1_6



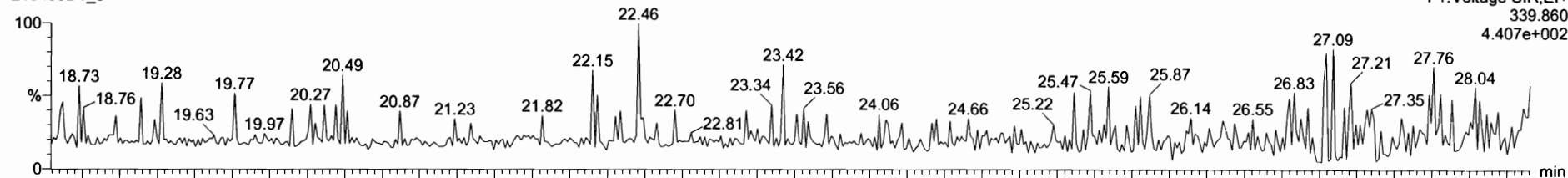
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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

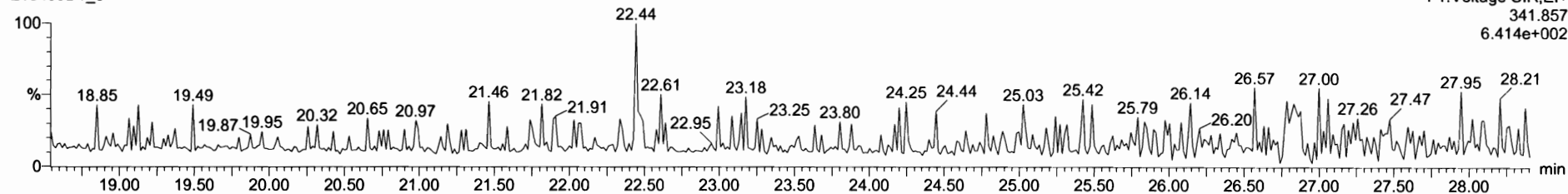
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1st Func. Penta-Furans

210408D1_6

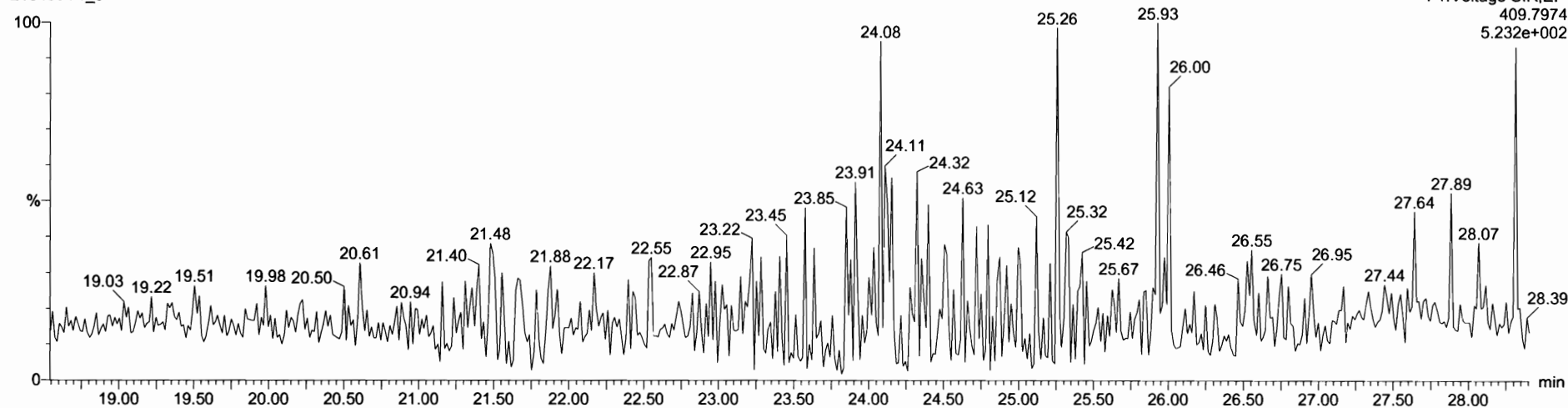


210408D1_6



DPE6

210408D1_6



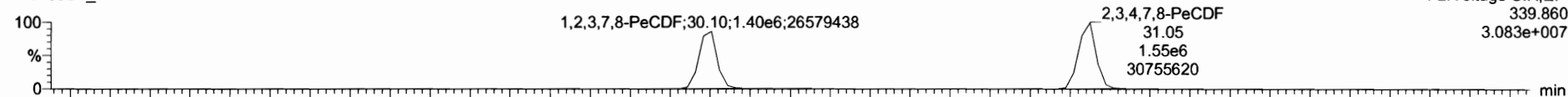
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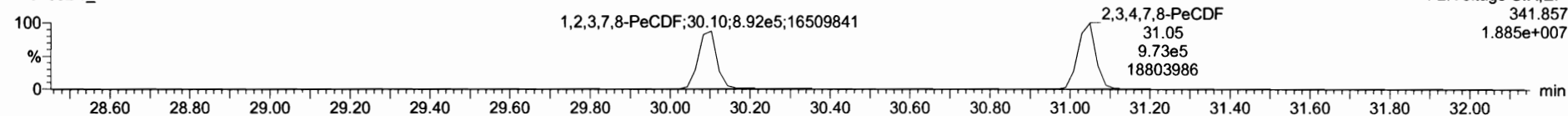
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1,2,3,7,8-PeCDF

210408D1_6



210408D1_6

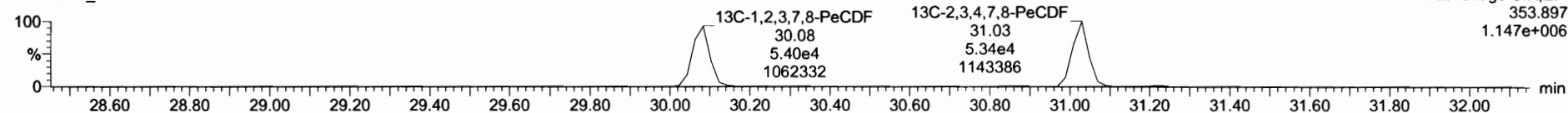


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210408D1_6

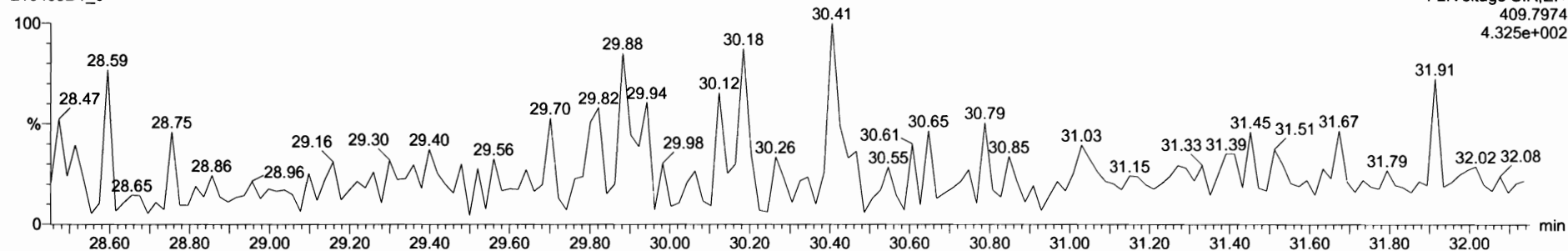


210408D1_6



DPE2

210408D1_6

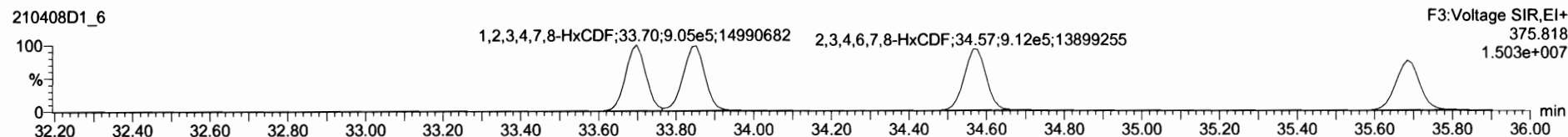
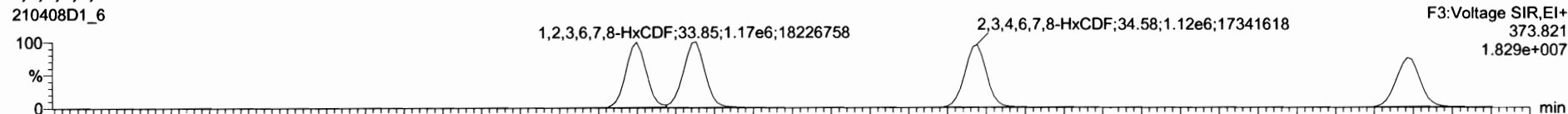


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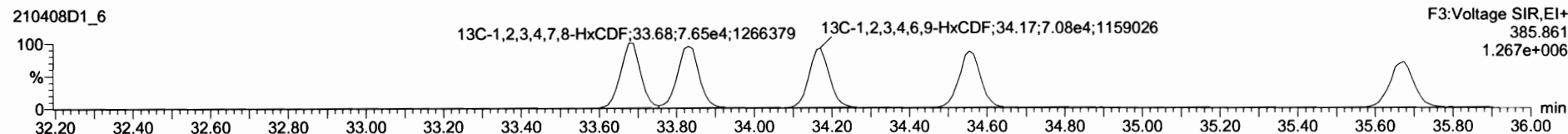
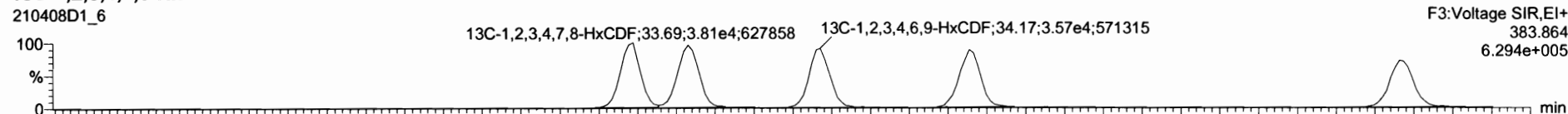
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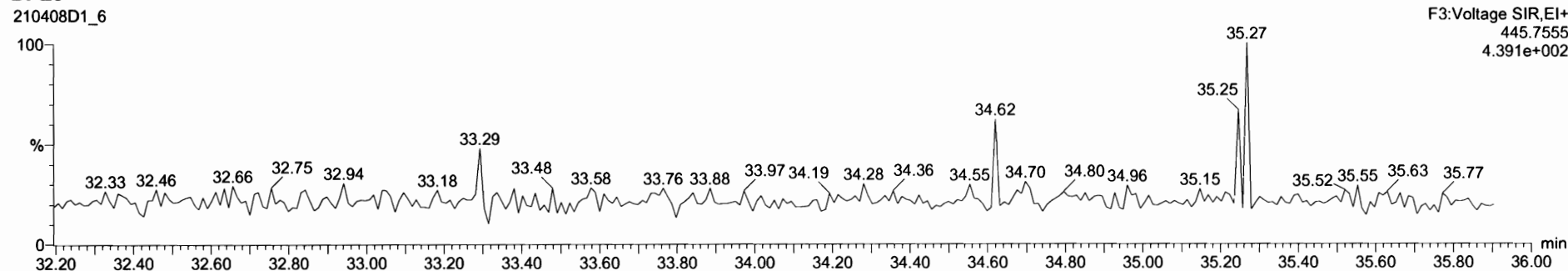
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13C-1,2,3,4,7,8-HxCDF



DPE3



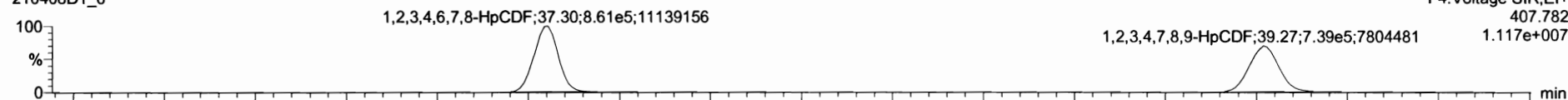
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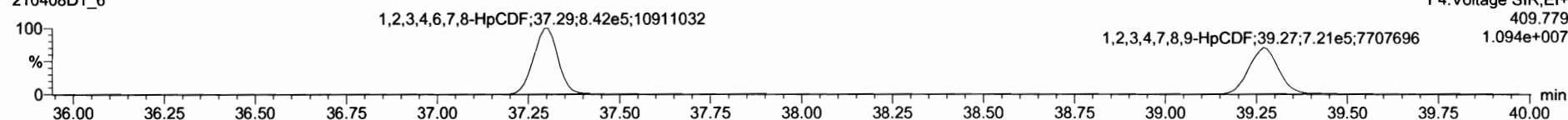
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1,2,3,4,6,7,8-HpCDF

210408D1_6

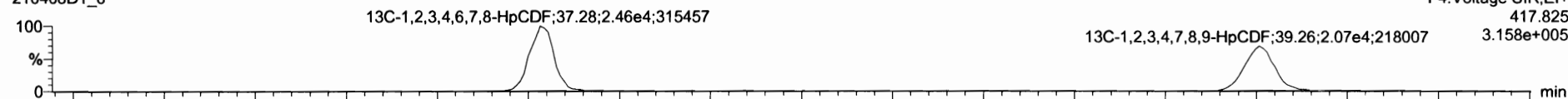


210408D1_6

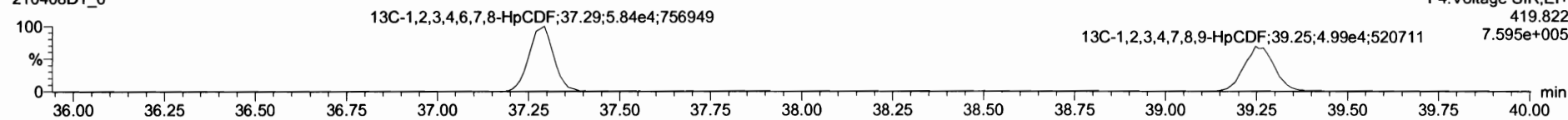


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210408D1_6

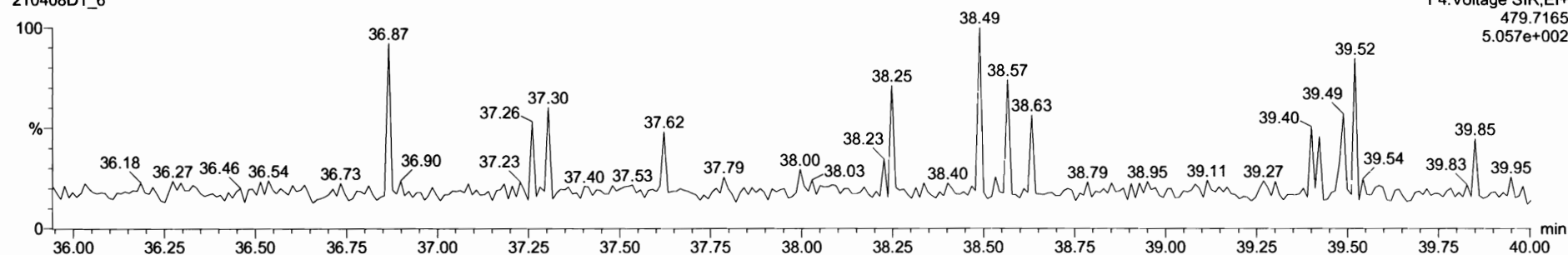


210408D1_6



DPE4

210408D1_6

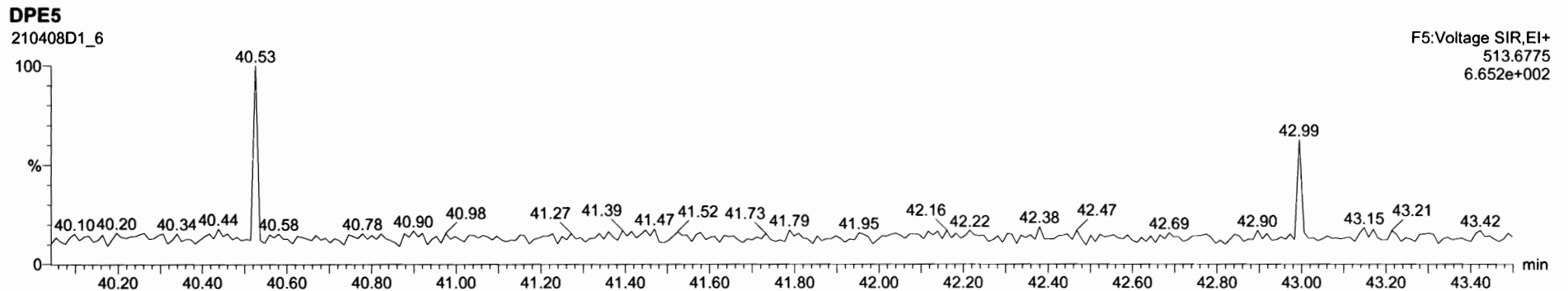
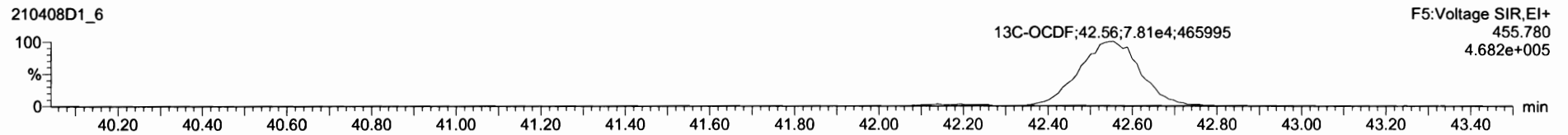
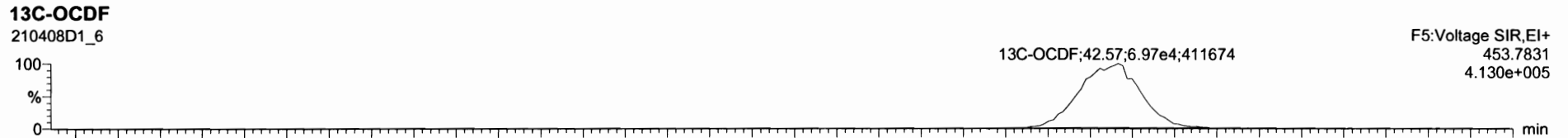
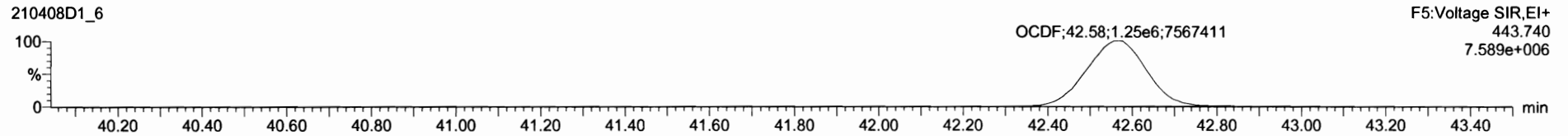
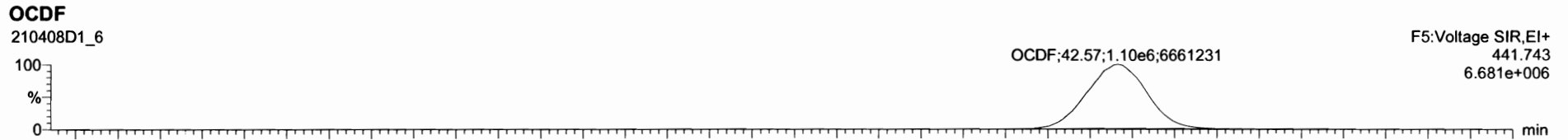


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Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

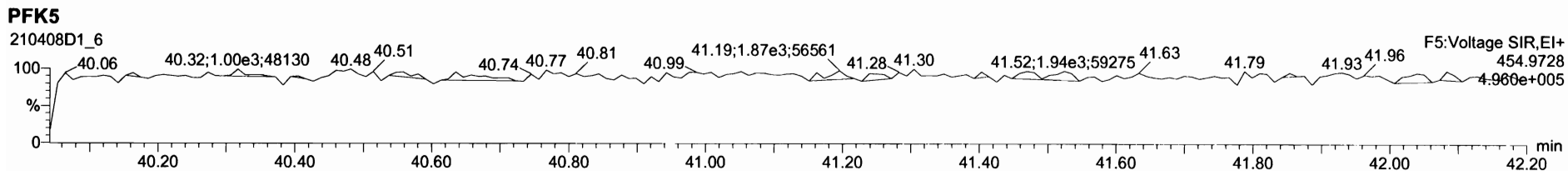
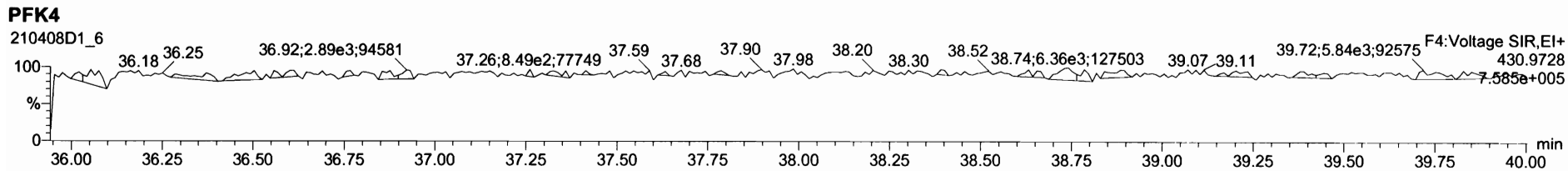
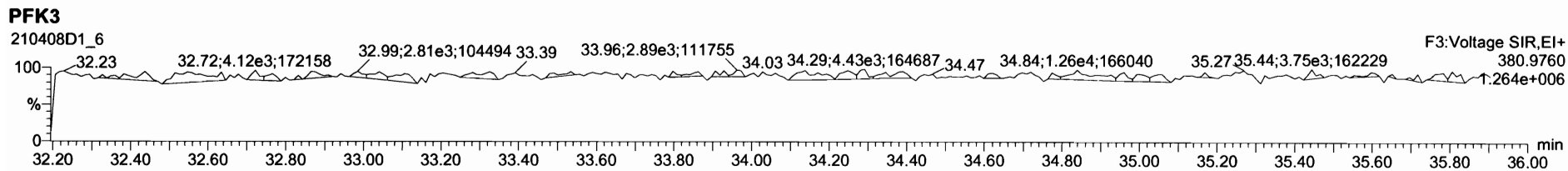
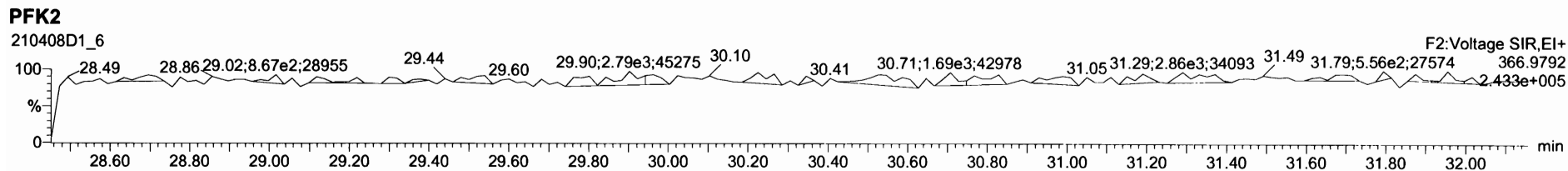
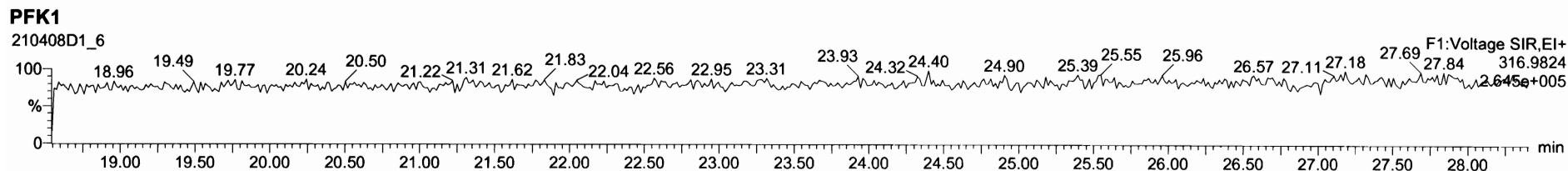
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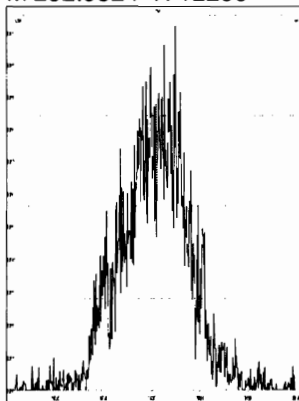
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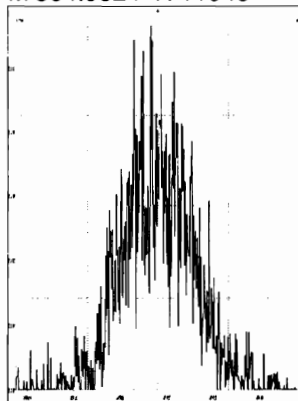


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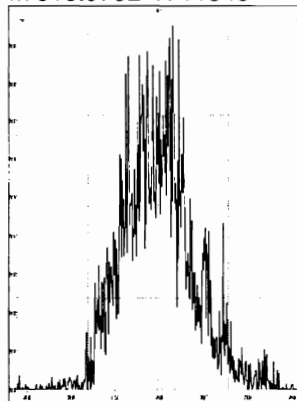
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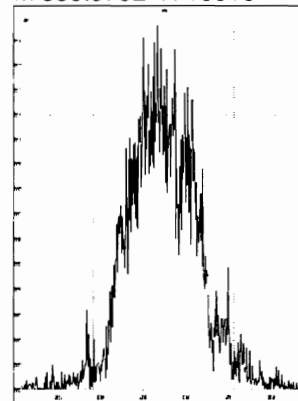
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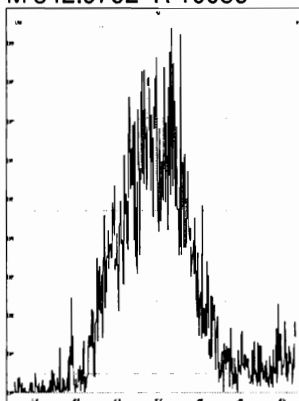
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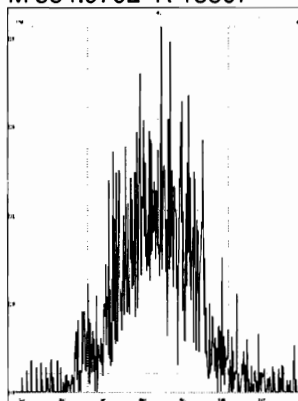
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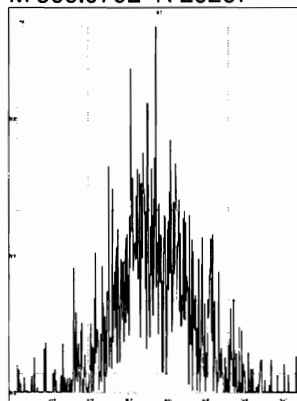
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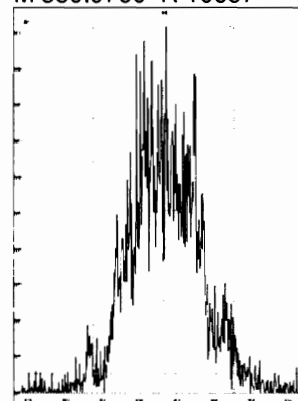
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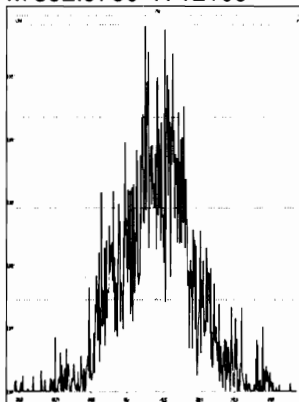
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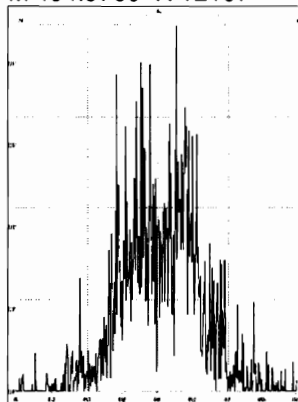
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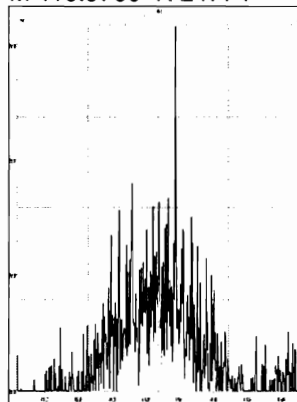
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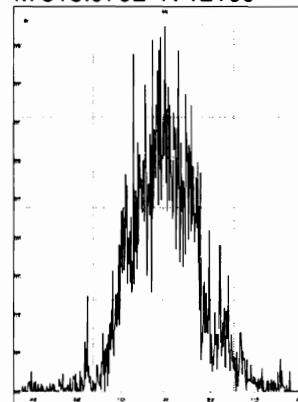
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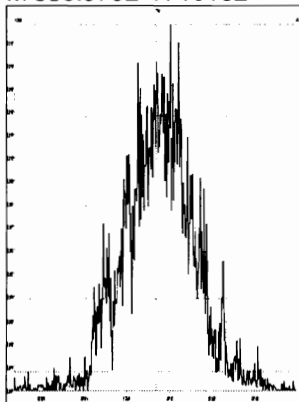
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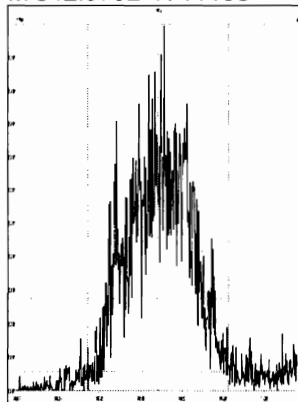
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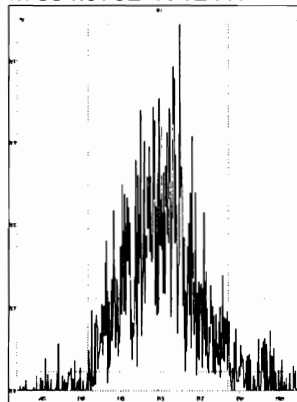
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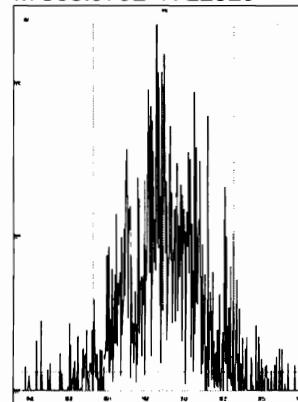
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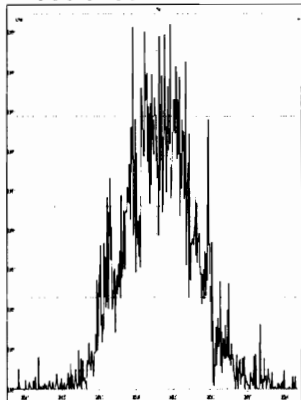


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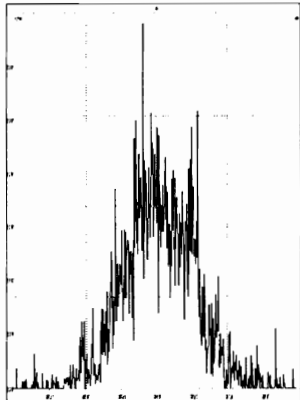


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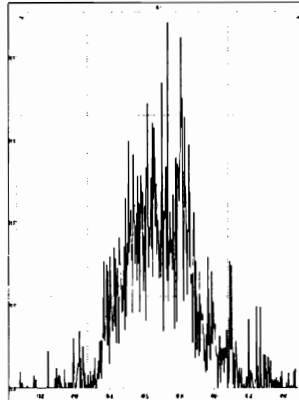
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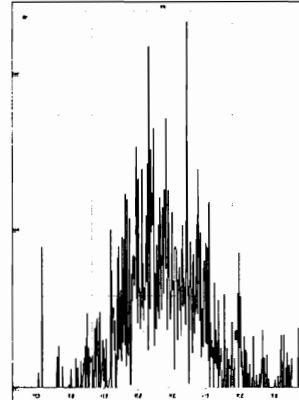
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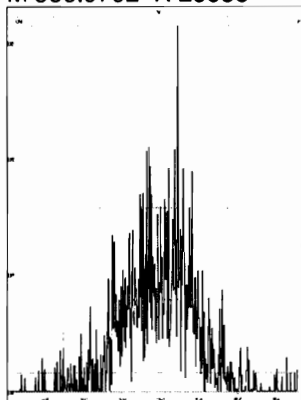
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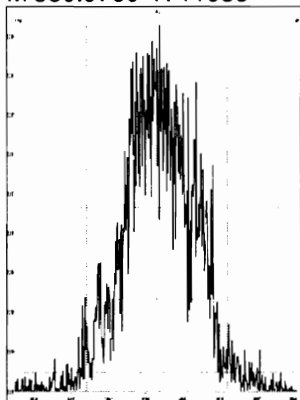
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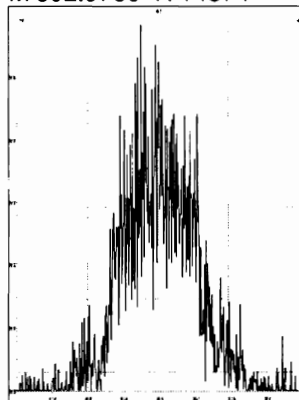
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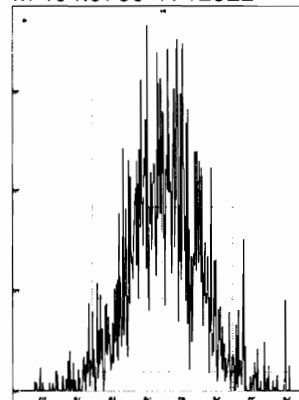
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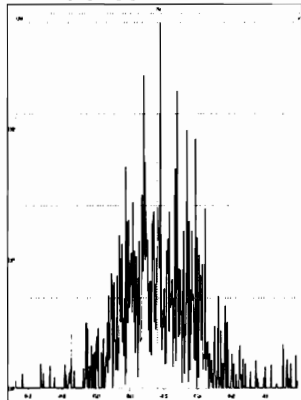
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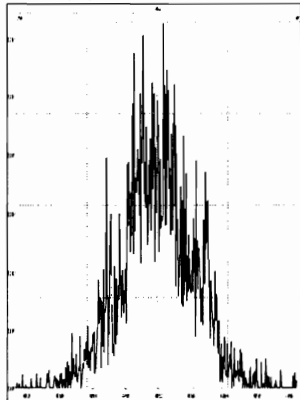
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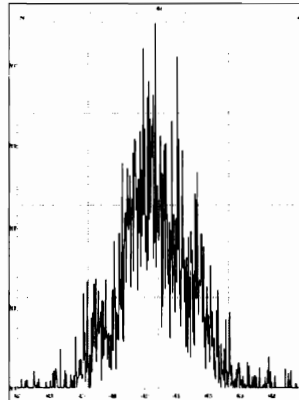
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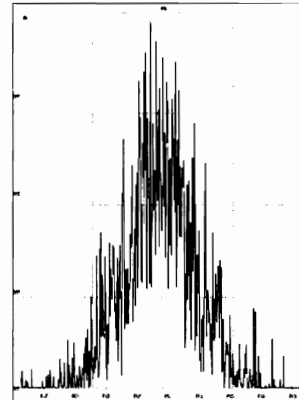
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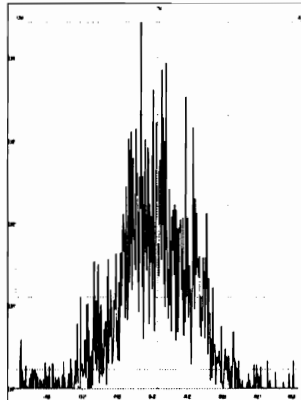
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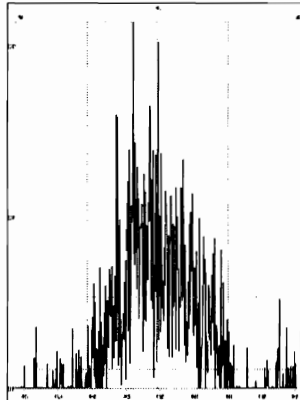
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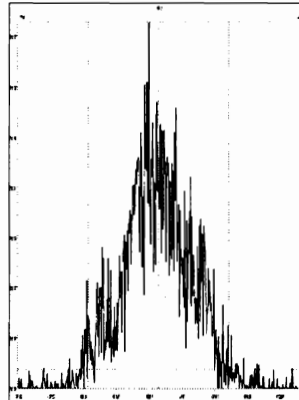
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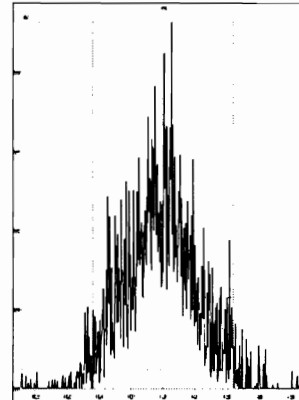
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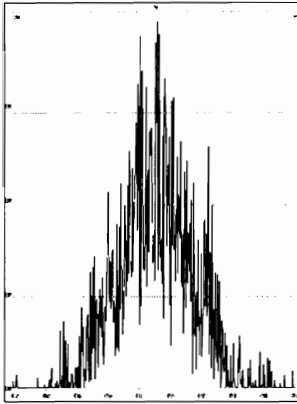
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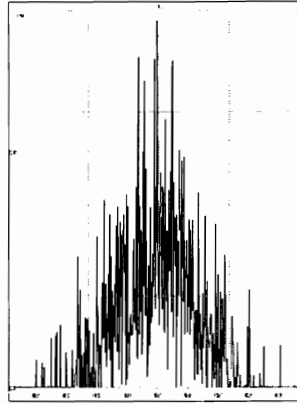
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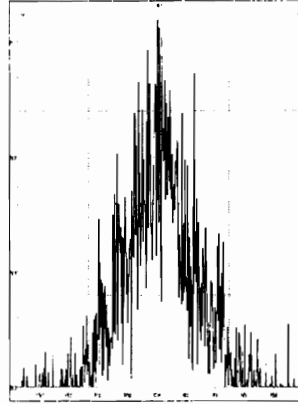
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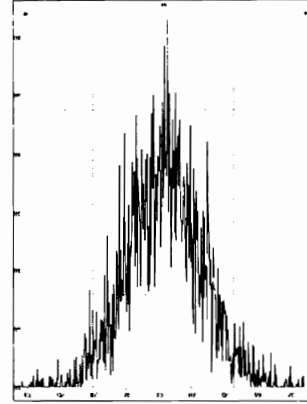
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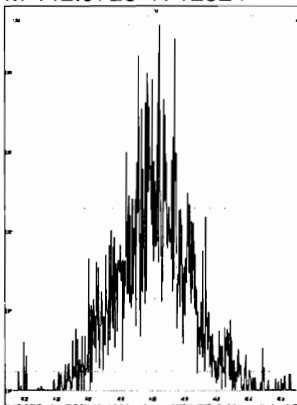
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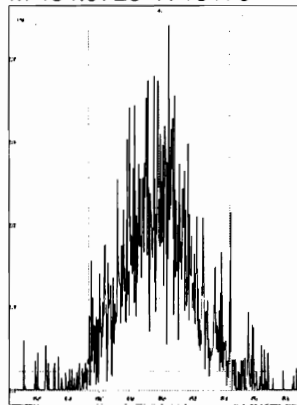
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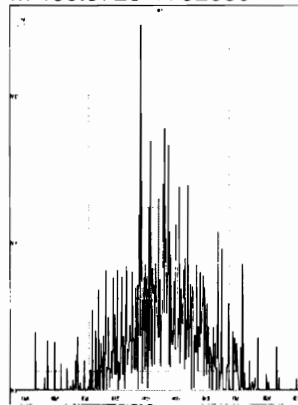
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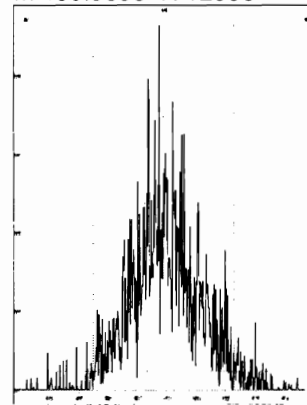
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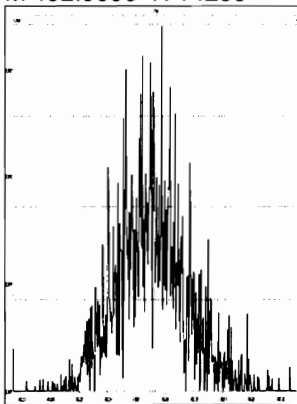
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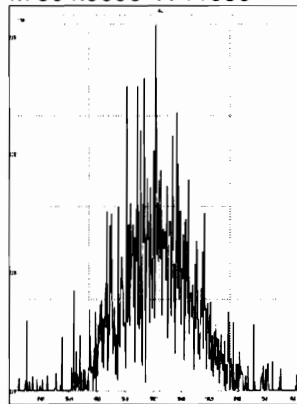
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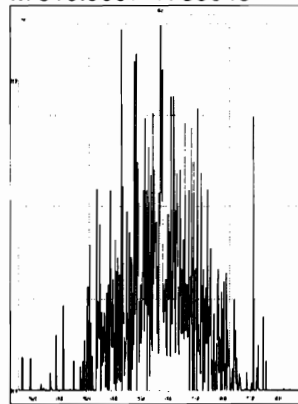
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M 516.9697 R 35048



Dataset: U:\VG7.PRO\Results\210408D1\210408D1-7.qld

Last Altered: Friday, April 09, 2021 08:08:05 Pacific Daylight Time
 Printed: Friday, April 09, 2021 14:36:23 Pacific Daylight Time

H 4-9-2021
OC 4/12/21

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_1613vg7-4-8-21.cdb 09 Apr 2021 07:54:40

Name: 210408D1_7, Date: 08-Apr-2021, Time: 13:21:14, ID: SS210408D1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108, Task: ICAL210408D1

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2	1,2,3,7,8-PeCDD	4.05e4	0.64	NO	0.881	1.000	31.21	1.000	45.467	90.9	0.0895	45.5
3	1,2,3,4,7,8-HxCDD	4.00e4	1.24	NO	1.14	1.000	34.67	1.000	46.900	93.8	0.231	46.9
4	1,2,3,6,7,8-HxCDD	4.11e4	1.24	NO	1.01	1.000	34.81	1.000	49.637	99.3	0.239	49.6
5	1,2,3,7,8,9-HxCDD	4.02e4	1.23	NO	1.02	1.000	35.11	1.000	45.272	90.5	0.237	45.3
6	1,2,3,4,6,7,8-HpCDD	3.33e4	1.04	NO	1.07	1.000	38.50	1.001	45.191	90.4	0.375	45.2
7	OCDD	5.08e4	0.92	NO	1.00	1.000	42.18	1.000	95.903	95.9	0.623	95.9
8	2,3,7,8-TCDF	1.62e4	0.77	NO	0.864	1.000	26.49	1.001	9.1890	91.9	0.0452	9.19
9	1,2,3,7,8-PeCDF	6.51e4	1.65	NO	0.948	1.000	30.08	1.000	47.291	94.6	0.158	47.3
10	2,3,4,7,8-PeCDF	7.47e4	1.69	NO	1.04	1.000	31.05	1.001	51.097	102	0.131	51.1
11	1,2,3,4,7,8-HxCDF	5.89e4	1.25	NO	1.04	1.000	33.69	1.000	48.077	96.2	0.198	48.1
12	1,2,3,6,7,8-HxCDF	6.00e4	1.24	NO	1.07	1.000	33.84	1.001	46.573	93.1	0.189	46.6
13	2,3,4,6,7,8-HxCDF	5.83e4	1.26	NO	1.12	1.000	34.56	1.001	47.385	94.8	0.220	47.4
14	1,2,3,7,8,9-HxCDF	4.93e4	1.23	NO	1.10	1.000	35.67	1.000	44.666	89.3	0.255	44.7
15	1,2,3,4,6,7,8-HpCDF	4.84e4	1.04	NO	1.16	1.000	37.26	1.000	48.966	97.9	0.270	49.0
16	1,2,3,4,7,8,9-HpCDF	3.93e4	1.05	NO	1.19	1.000	39.26	1.000	46.646	93.3	0.448	46.6
17	OCDF	5.89e4	0.89	NO	0.909	1.000	42.52	1.000	90.008	90.0	0.503	90.0
18	13C-2,3,7,8-TCDD	1.32e5	0.77	NO	1.15	1.000	27.04	1.024	96.459	96.5	0.238	
19	13C-1,2,3,7,8-PeCDD	1.01e5	0.61	NO	0.887	1.000	31.21	1.182	95.164	95.2	0.183	
20	13C-1,2,3,4,7,8-HxCDD	7.45e4	1.29	NO	0.645	1.000	34.66	1.015	95.531	95.5	0.310	
21	13C-1,2,3,6,7,8-HxCDD	8.20e4	1.24	NO	0.717	1.000	34.80	1.019	94.584	94.6	0.279	
22	13C-1,2,3,7,8,9-HxCDD	8.70e4	1.25	NO	0.714	1.000	35.10	1.028	100.76	101	0.280	
23	13C-1,2,3,4,6,7,8-HpCDD	6.91e4	1.04	NO	0.583	1.000	38.48	1.126	97.950	98.0	0.640	
24	13C-OCDD	1.06e5	0.92	NO	0.451	1.000	42.17	1.235	193.79	96.9	0.364	
25	13C-2,3,7,8-TCDF	2.04e5	0.81	NO	1.09	1.000	26.48	1.003	100.30	100	0.179	
26	13C-1,2,3,7,8-PeCDF	1.45e5	1.60	NO	0.805	1.000	30.08	1.139	96.585	96.6	0.277	
27	13C-2,3,4,7,8-PeCDF	1.41e5	1.63	NO	0.792	1.000	31.03	1.175	95.208	95.2	0.282	
28	13C-1,2,3,4,7,8-HxCDF	1.17e5	0.53	NO	0.997	1.000	33.68	0.986	97.320	97.3	0.339	
29	13C-1,2,3,6,7,8-HxCDF	1.20e5	0.51	NO	1.03	1.000	33.82	0.990	96.391	96.4	0.328	
30	13C-2,3,4,6,7,8-HxCDF	1.10e5	0.49	NO	0.940	1.000	34.54	1.011	96.990	97.0	0.359	
31	13C-1,2,3,7,8,9-HxCDF	1.00e5	0.50	NO	0.852	1.000	35.66	1.044	97.479	97.5	0.396	
32	13C-1,2,3,4,6,7,8-HpCDF	8.53e4	0.43	NO	0.727	1.000	37.25	1.090	97.030	97.0	0.590	

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Name: 210408D1_7, Date: 08-Apr-2021, Time: 13:21:14, ID: SS210408D1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108, Task: ICAL210408D1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	7.10e4	0.41	NO	0.608	1.000	39.25	1.149	96.560	96.6	0.706	
34	13C-OCDF	1.44e5	0.86	NO	0.631	1.000	42.52	1.245	188.78	94.4	0.277	
35	37Cl-2,3,7,8-TCDD	2.31e4			2.22	1.000	27.06	1.025	8.7187	87.2	0.0181	
36	13C-1,2,3,4-TCDD	1.20e5	0.75	NO	1.00	1.000	26.40	1.000	100.00	100	0.273	
37	13C-1,2,3,4-TCDF	1.87e5	0.79	NO	1.00	1.000	25.18	1.000	100.00	100	0.196	
38	13C-1,2,3,4,6,9-HxCDF	1.21e5	0.49	NO	1.00	1.000	34.16	1.000	100.00	100	0.338	

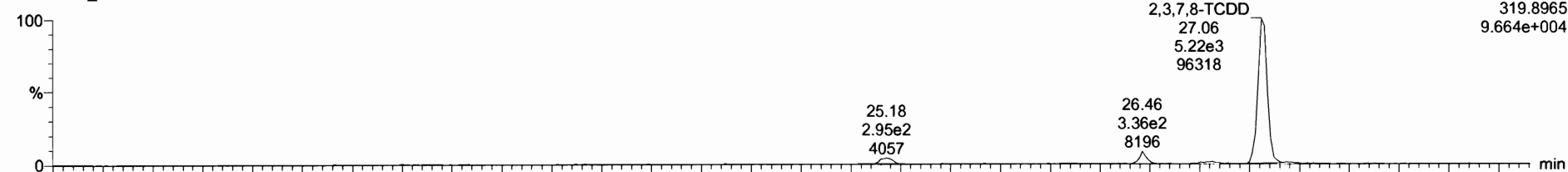
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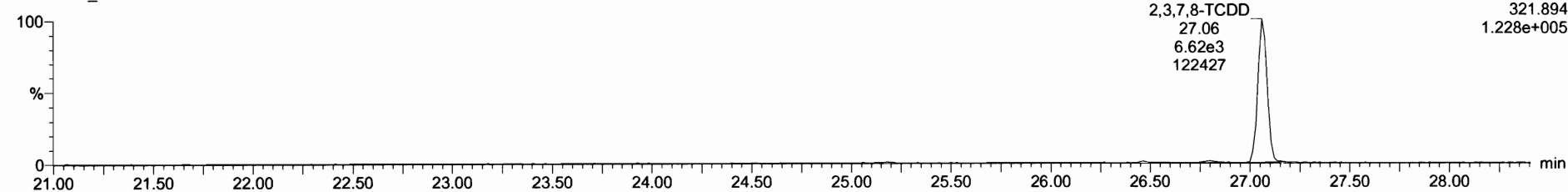
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2,3,7,8-TCDD

210408D1_7

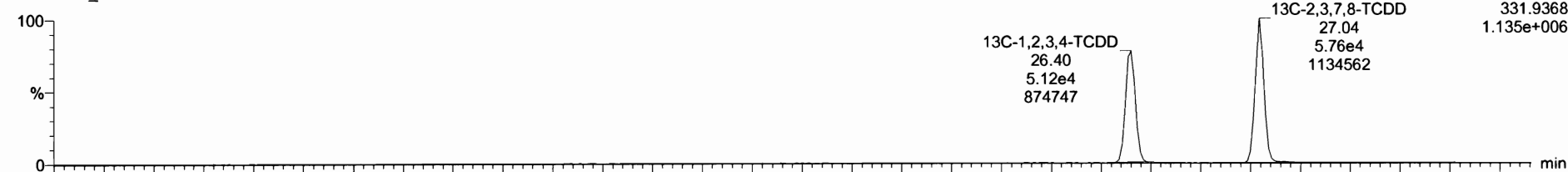


210408D1_7

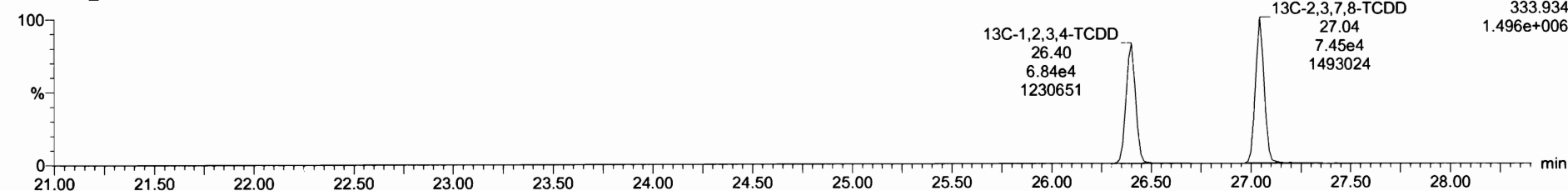


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210408D1_7



210408D1_7



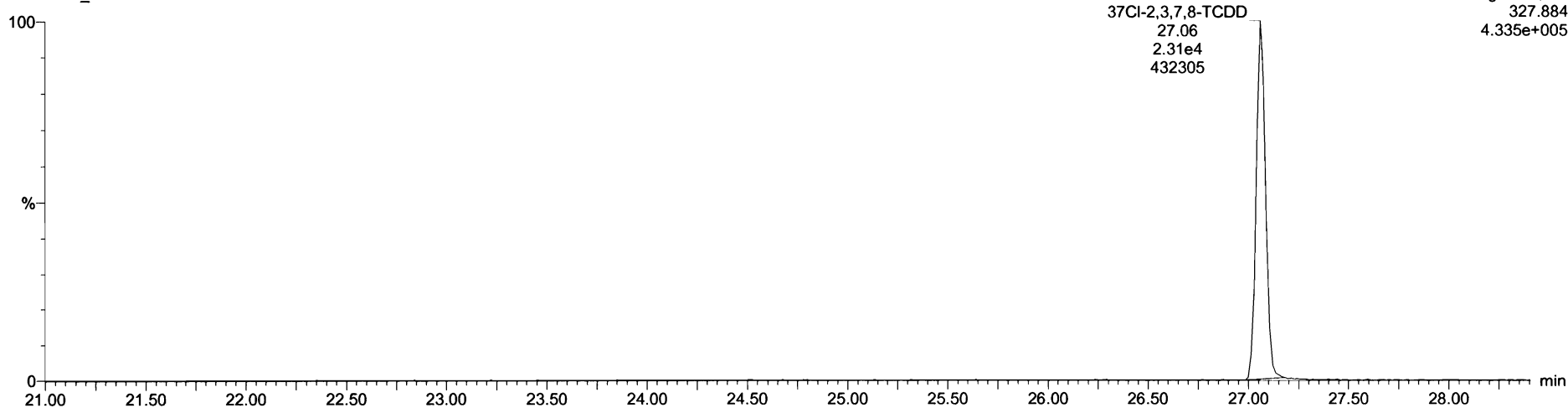
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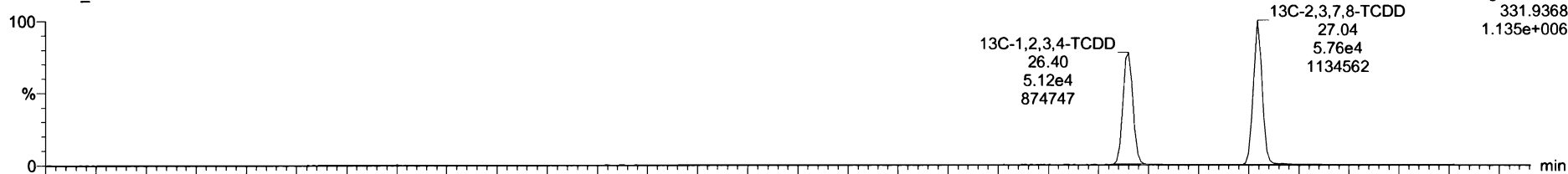
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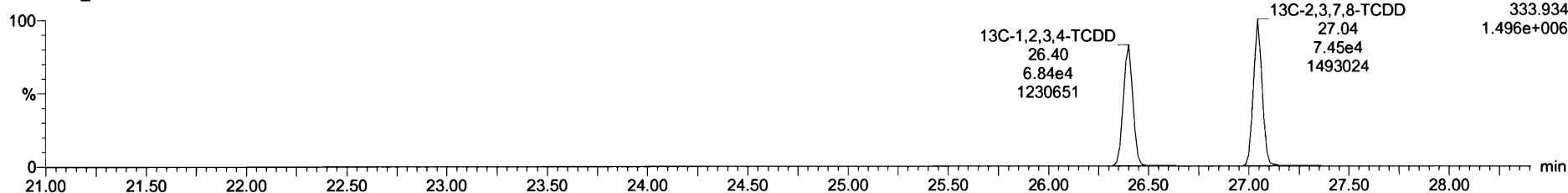


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210408D1_7



210408D1_7



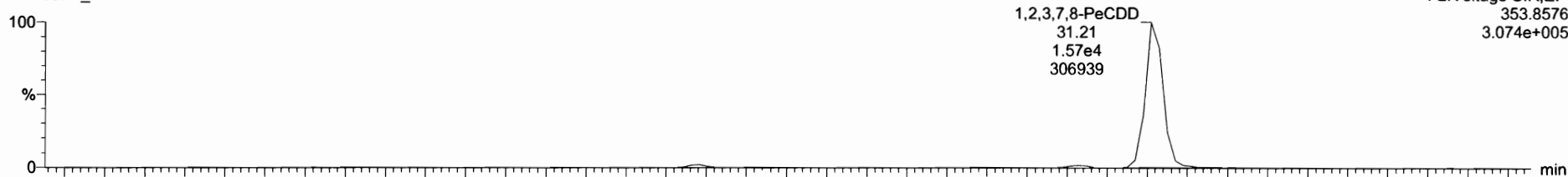
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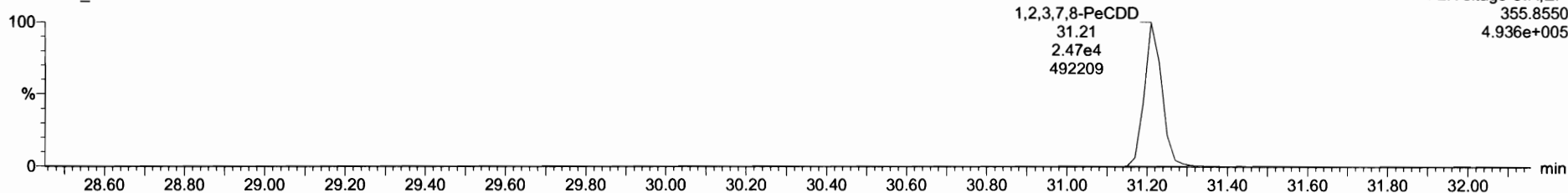
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1,2,3,7,8-PeCDD

210408D1_7

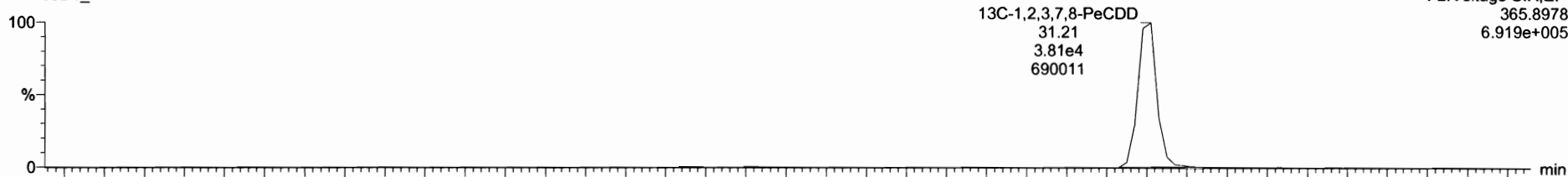


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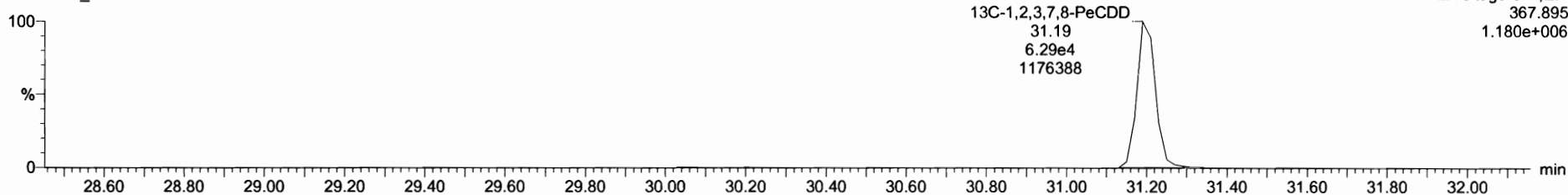


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210408D1_7



210408D1_7



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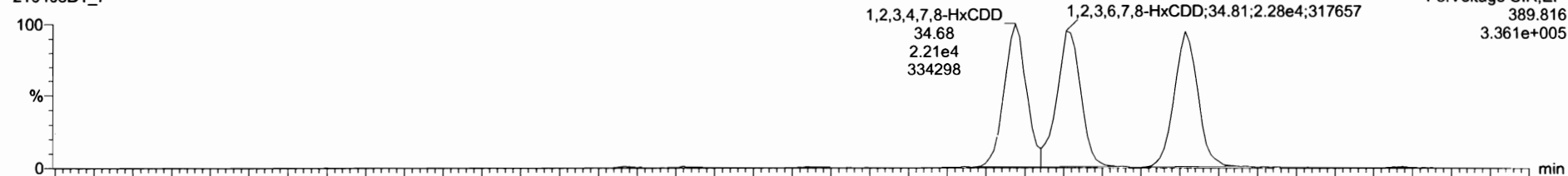
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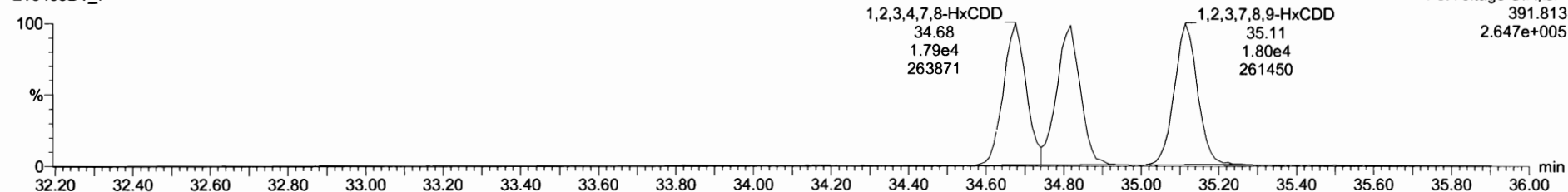
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1,2,3,4,7,8-HxCDD

210408D1_7

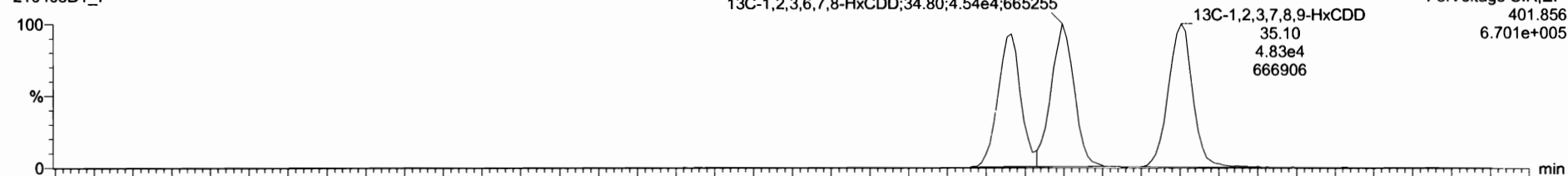


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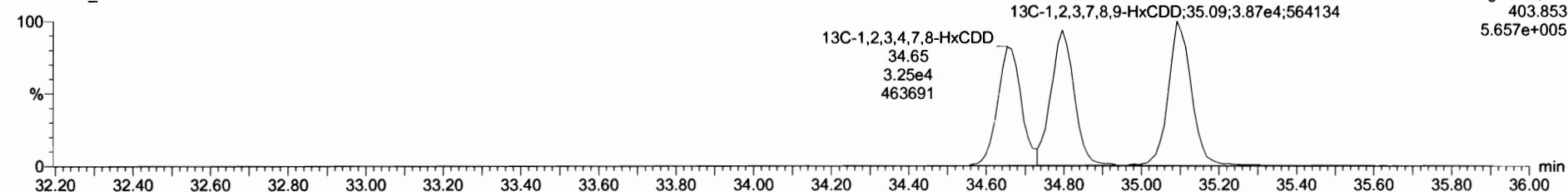


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210408D1_7



210408D1_7



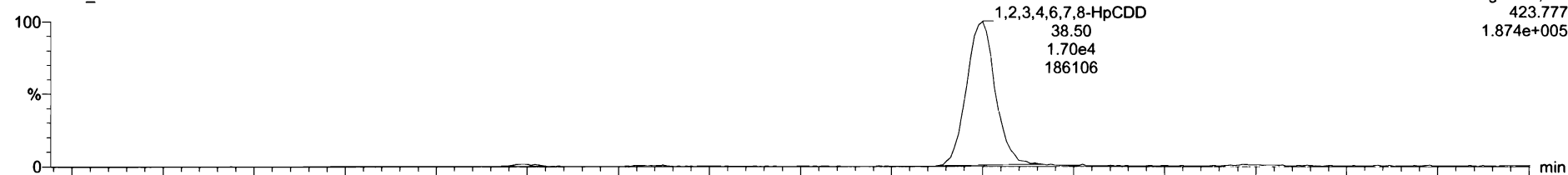
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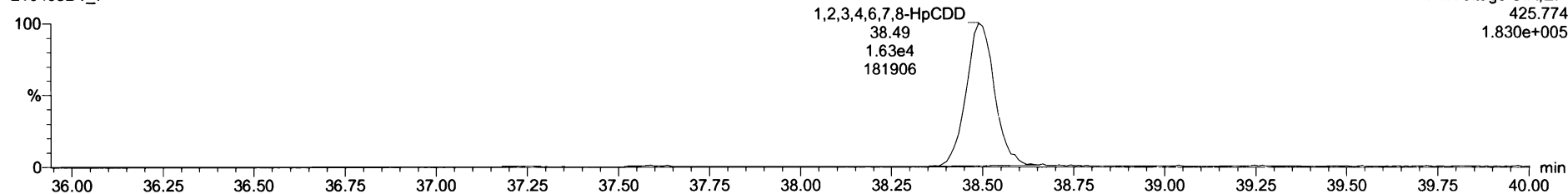
1,2,3,4,6,7,8-HpCDD

210408D1_7



F4:Voltage SIR,EI+
423.777
1.874e+005

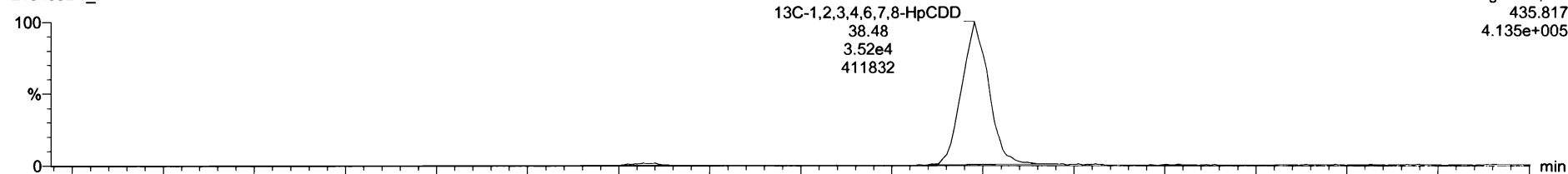
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F4:Voltage SIR,EI+
425.774
1.830e+005

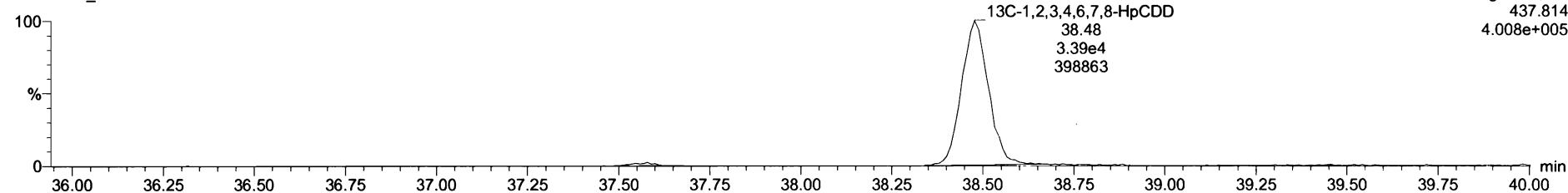
13C-1,2,3,4,6,7,8-HpCDD

210408D1_7



F4:Voltage SIR,EI+
435.817
4.135e+005

210408D1_7



F4:Voltage SIR,EI+
437.814
4.008e+005

Dataset: Untitled

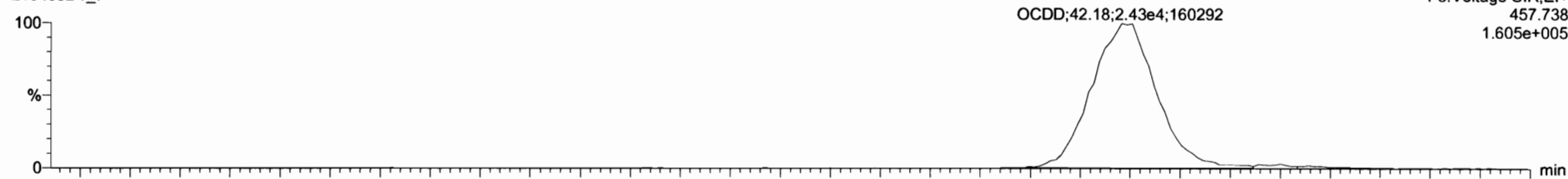
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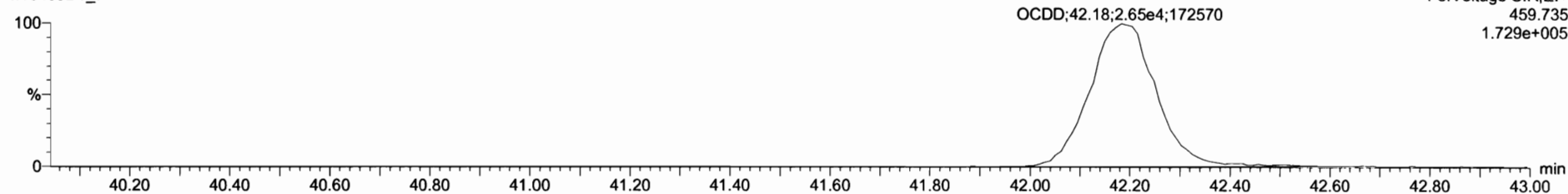
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OCDD

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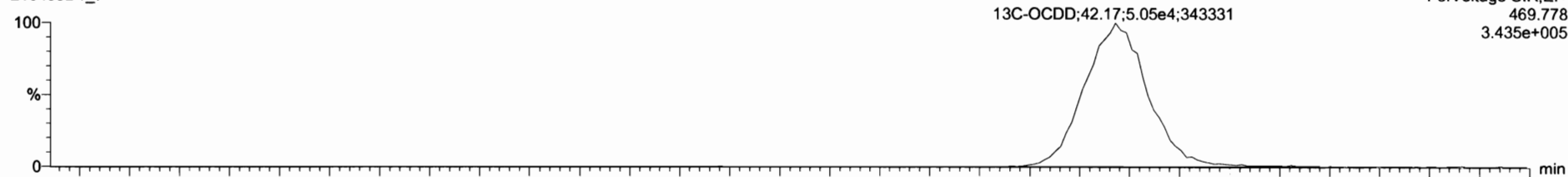


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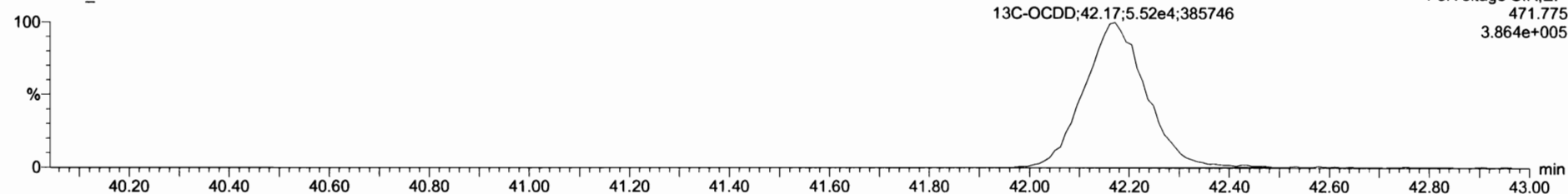


13C-OCDD

210408D1_7



210408D1_7



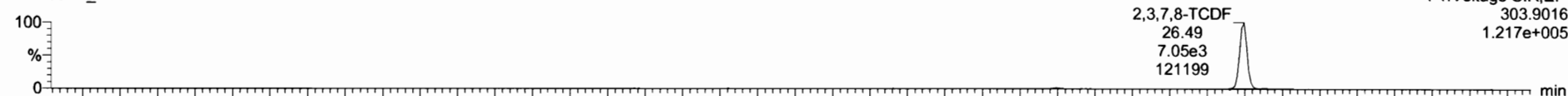
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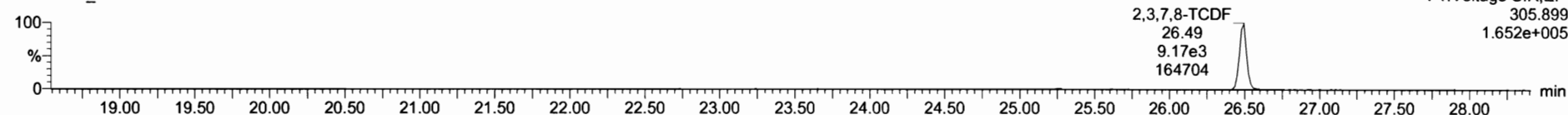
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2,3,7,8-TCDF

210408D1_7

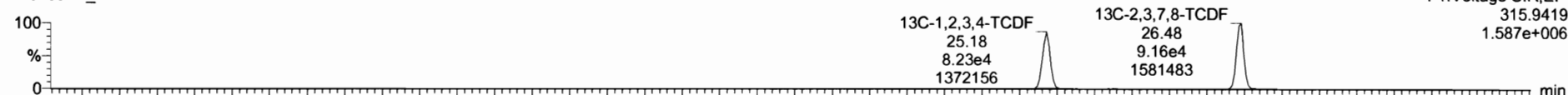


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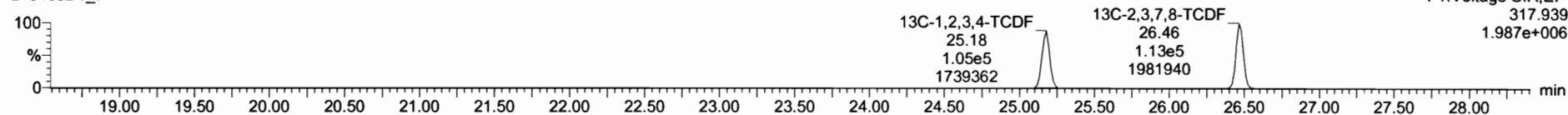


13C-2,3,7,8-TCDF

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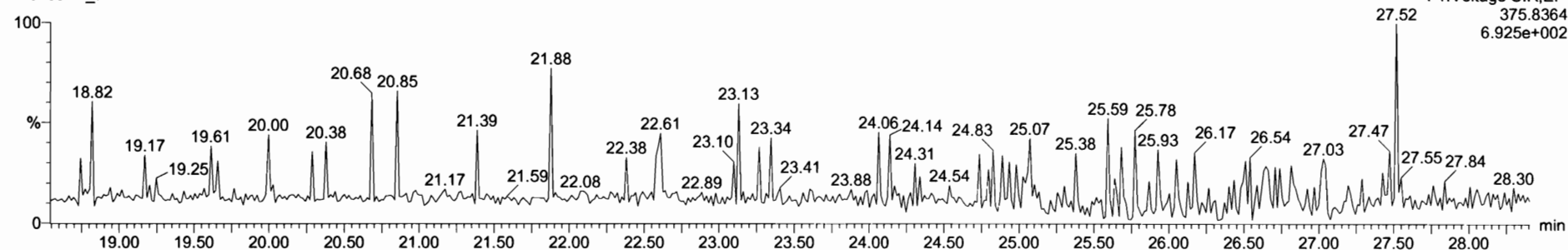


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DPE1

210408D1_7



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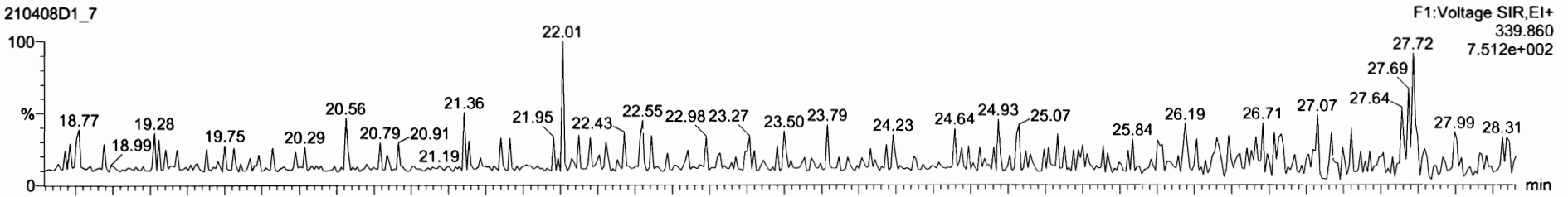
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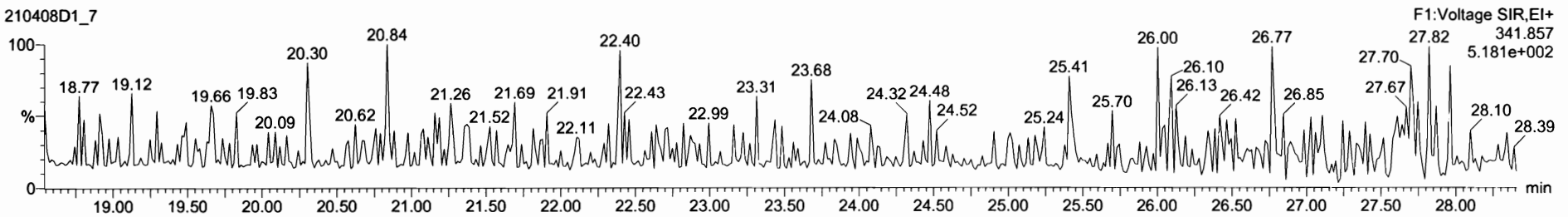
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210408D1_7

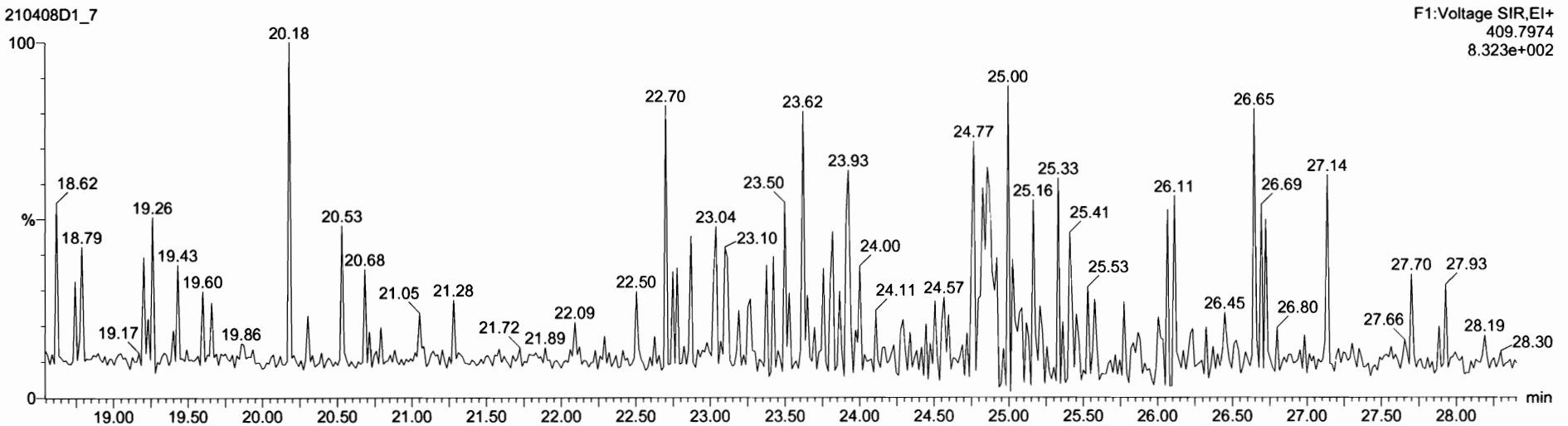


210408D1_7



DPE6

210408D1_7



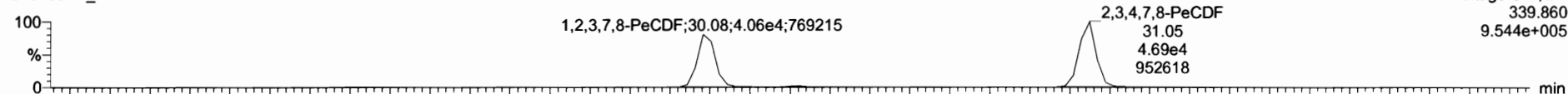
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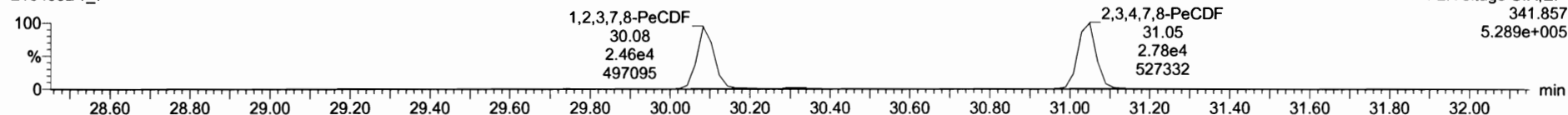
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1,2,3,7,8-PeCDF

210408D1_7

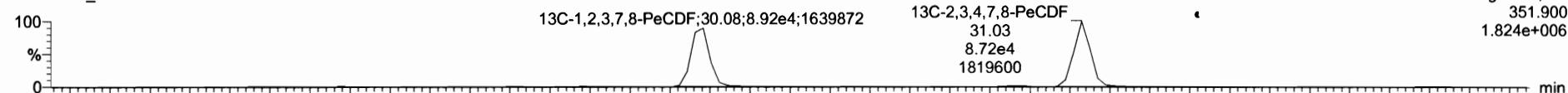


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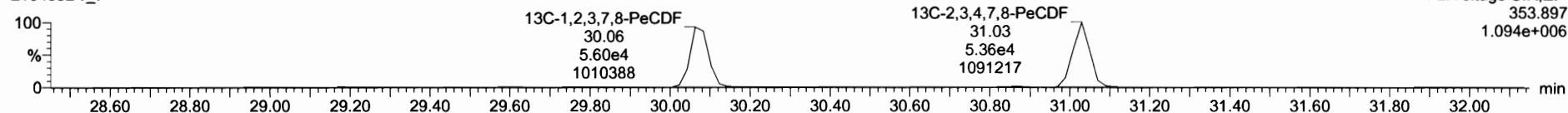


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210408D1_7

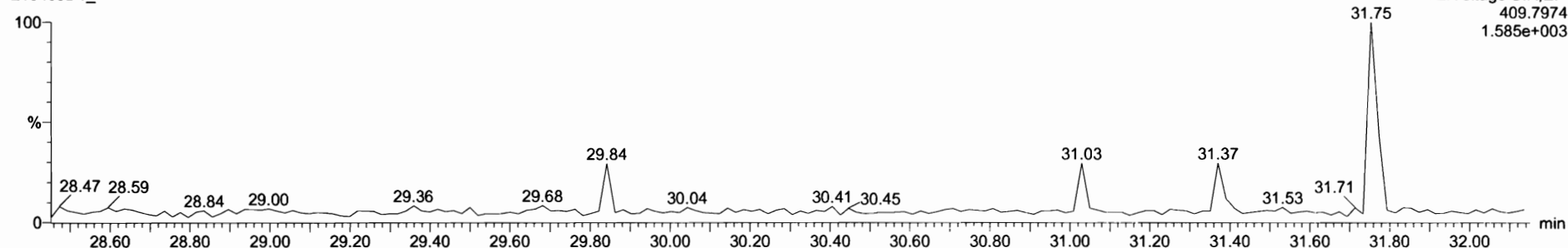


210408D1_7



DPE2

210408D1_7



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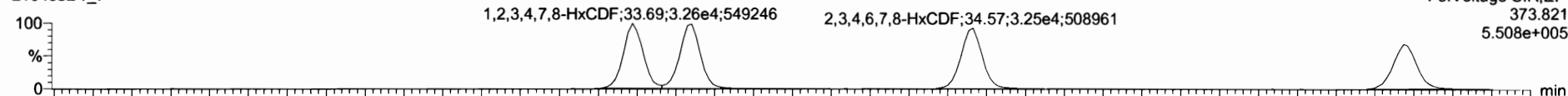
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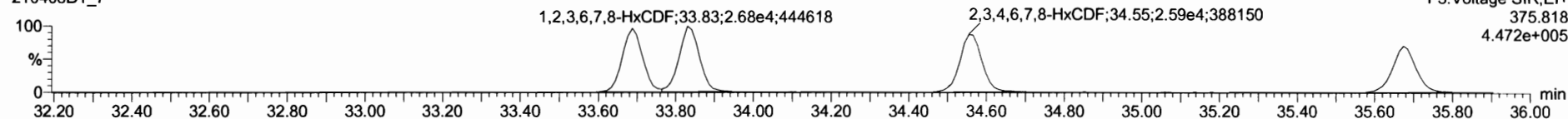
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1,2,3,4,7,8-HxCDF

210408D1_7

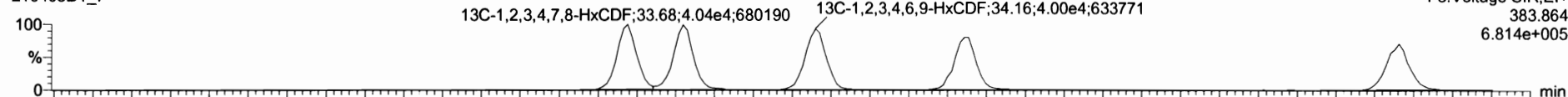


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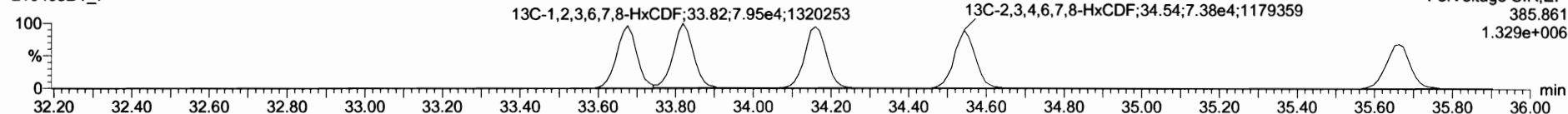


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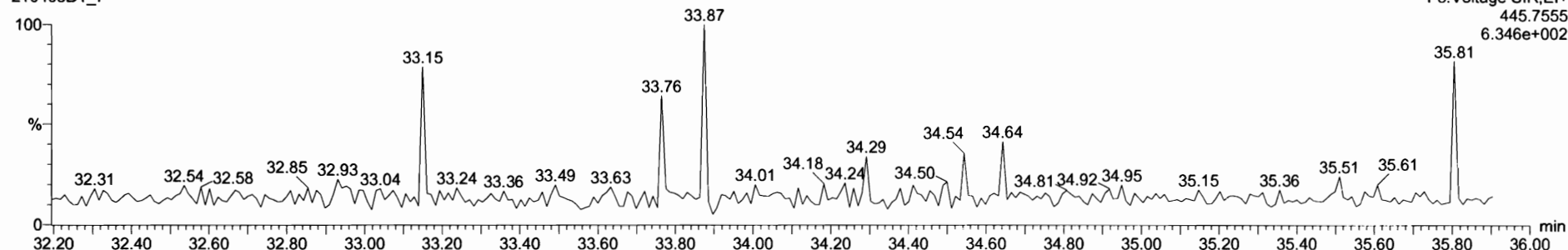


210408D1_7



DPE3

210408D1_7



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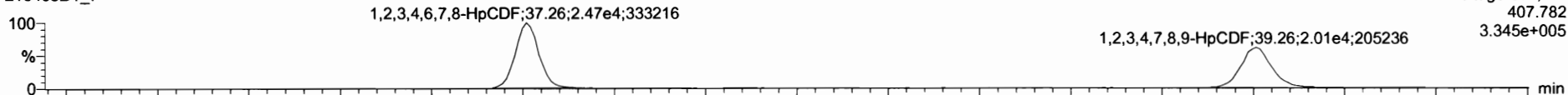
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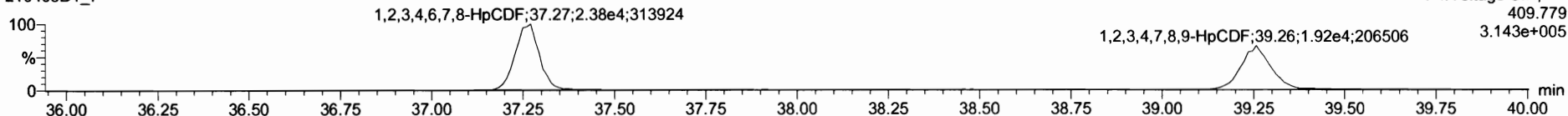
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1,2,3,4,6,7,8-HpCDF

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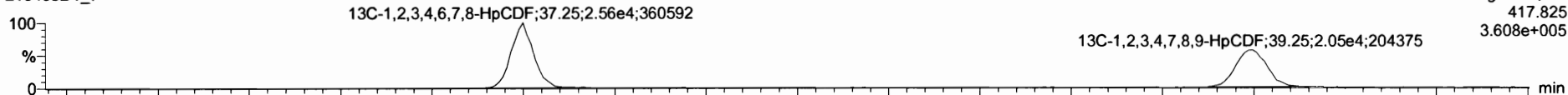


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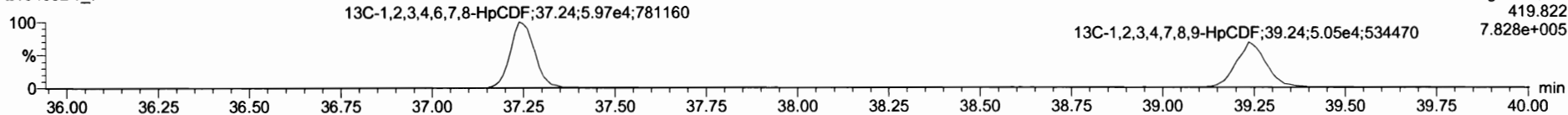


13C-1,2,3,4,6,7,8-HpCDF

210408D1_7

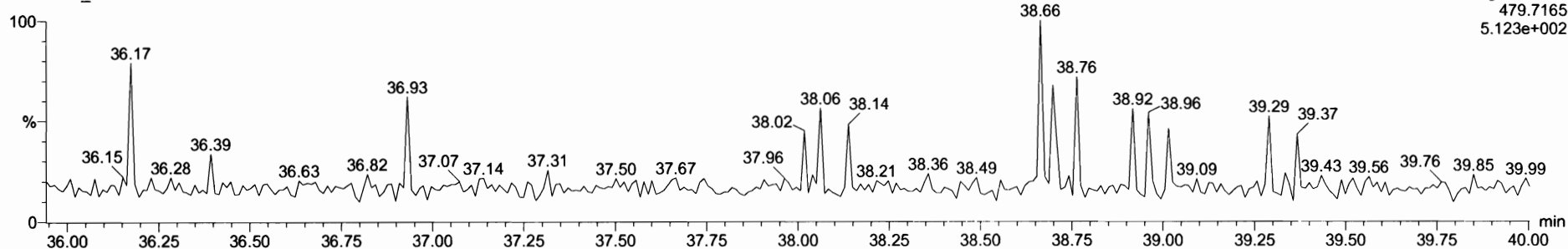


210408D1_7



DPE4

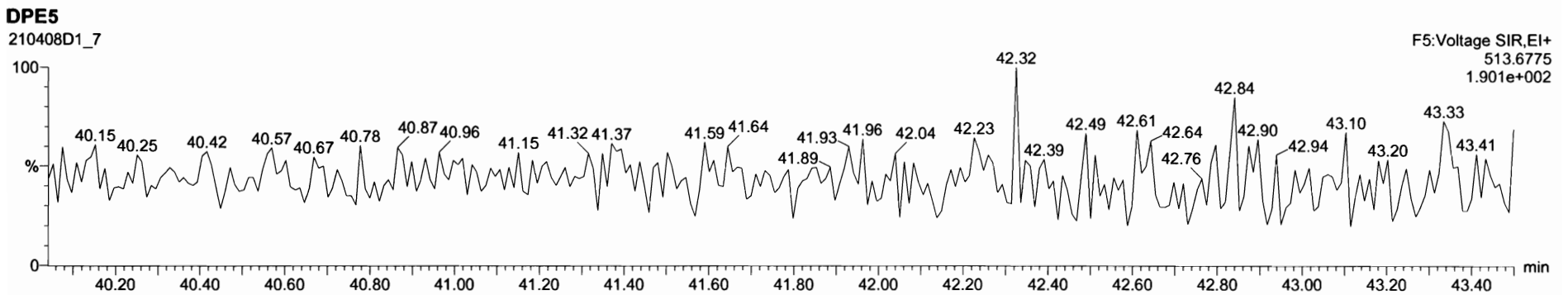
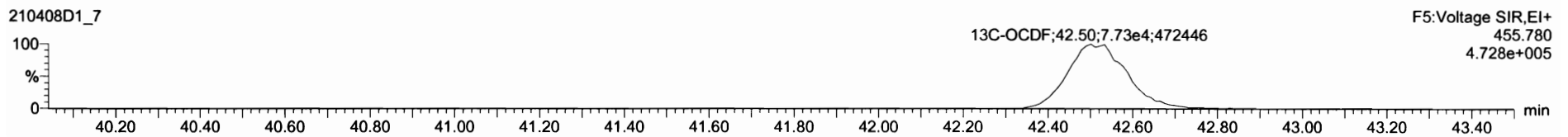
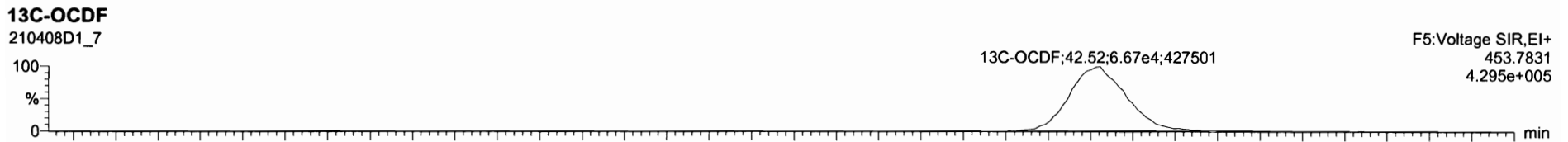
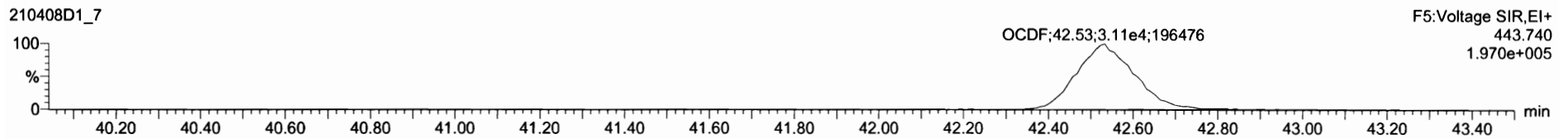
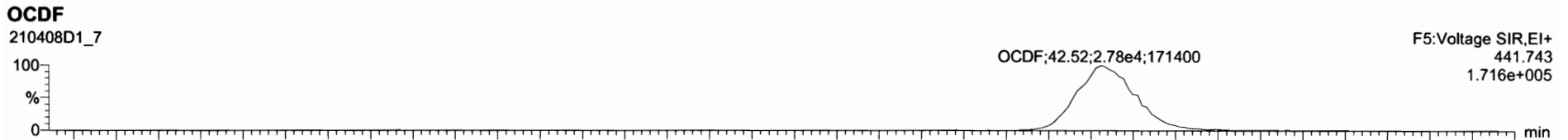
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Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
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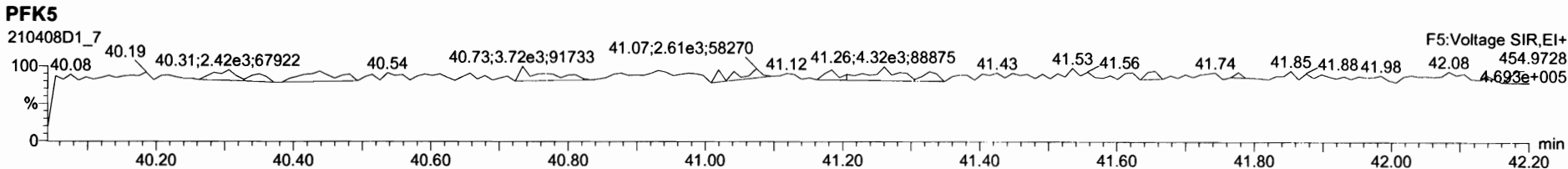
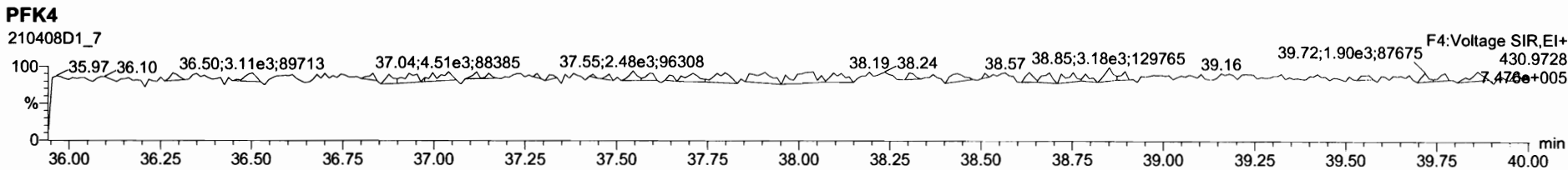
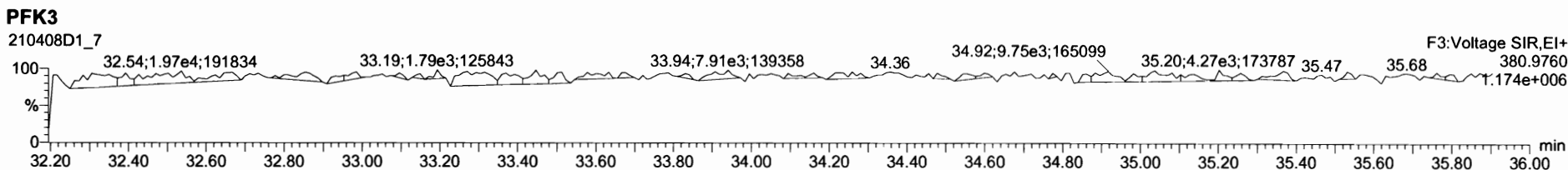
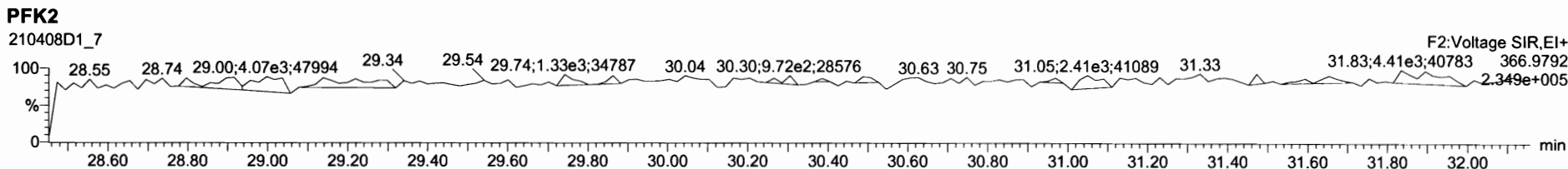
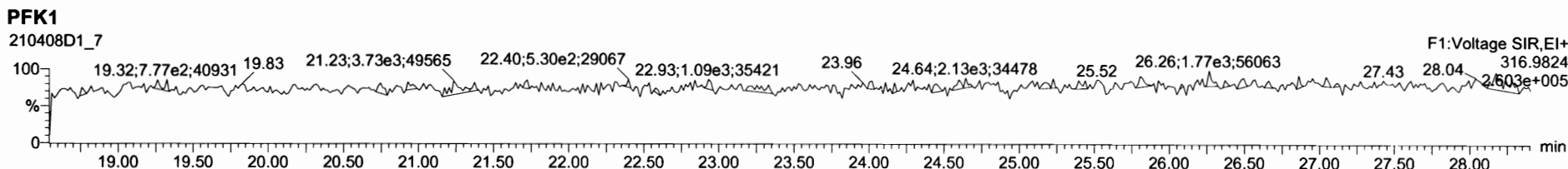
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Last Altered: Friday, April 09, 2021 08:06:00 Pacific Daylight Time
Printed: Friday, April 09, 2021 08:06:47 Pacific Daylight Time

Name: 210408D1_7, Date: 08-Apr-2021, Time: 13:21:14, ID: SS210408D1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108



Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CRV.qld

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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

Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CRV.qld

Last Altered: Thursday, April 15, 2021 09:26:26 Pacific Daylight Time
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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

Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CRV.qld

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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

Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CRV.qld

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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

Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CRV.qld

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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

Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CRV.qld

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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

Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CRV.qld

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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

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Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	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

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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	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

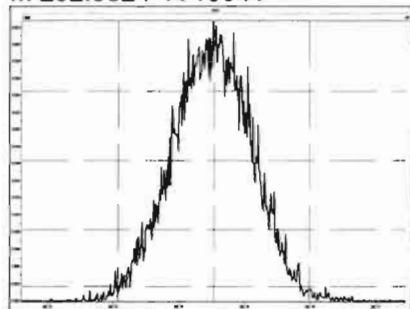
Compound name: 2,3,7,8-TCDD

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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

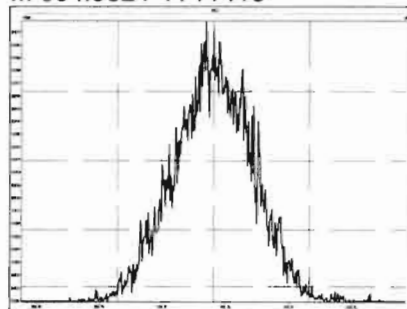
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:36:46 Pacific Daylight Time

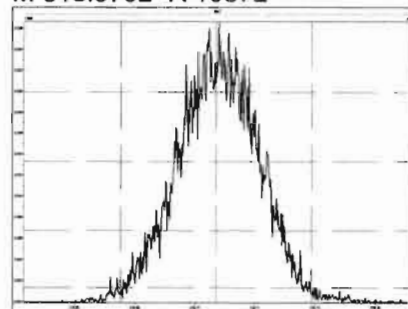
M 292.9824 R 10641



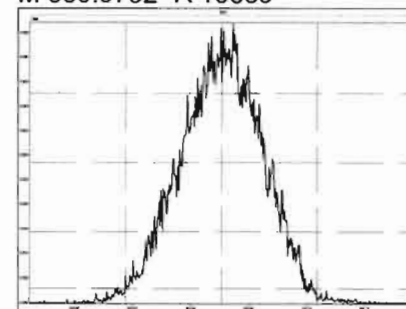
M 304.9824 R 11415



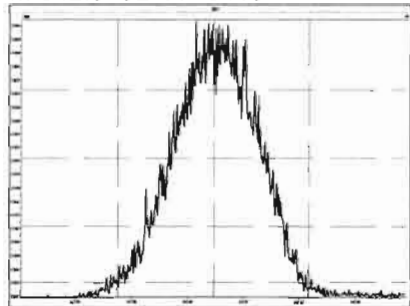
M 318.9792 R 10872



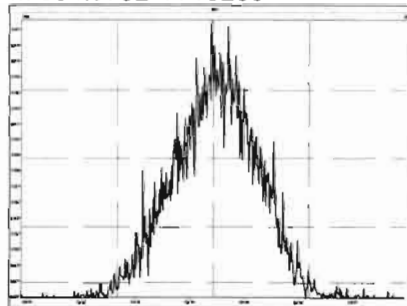
M 330.9792 R 10639



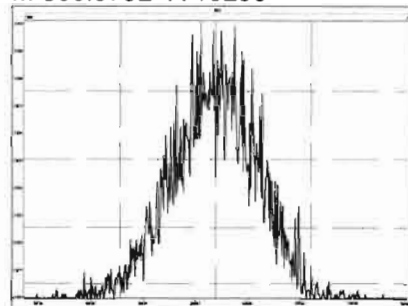
M 342.9792 R 10419



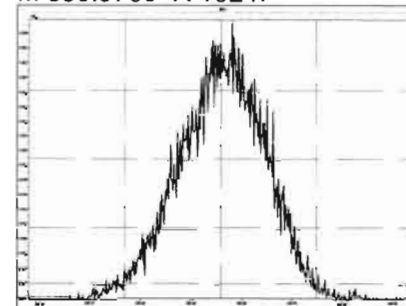
M 354.9792 R 10288



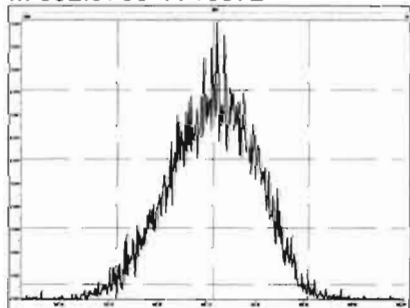
M 366.9792 R 10286



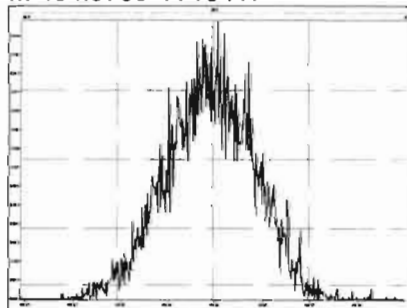
M 380.9760 R 10247



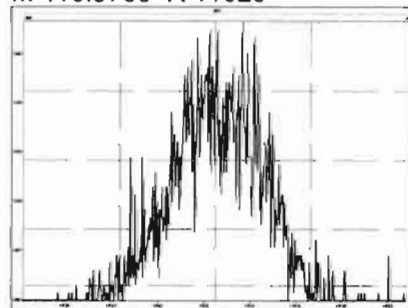
M 392.9760 R 10372



M 404.9760 R 10417



M 416.9760 R 11626



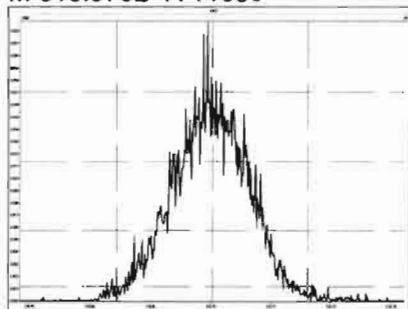
Experiment Calibration Report

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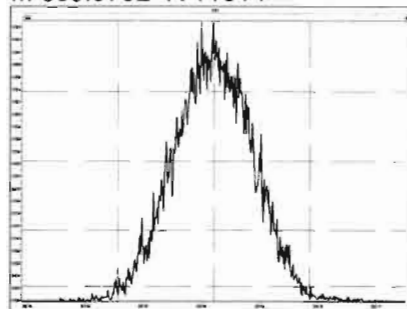
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:38:24 Pacific Daylight Time

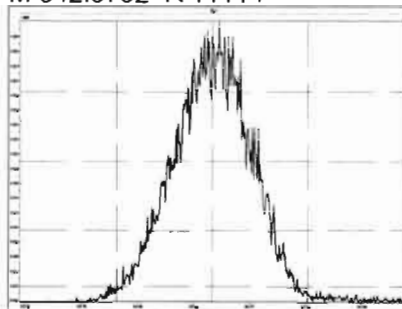
M 318.9792 R 11680



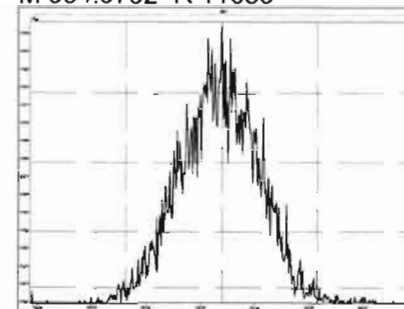
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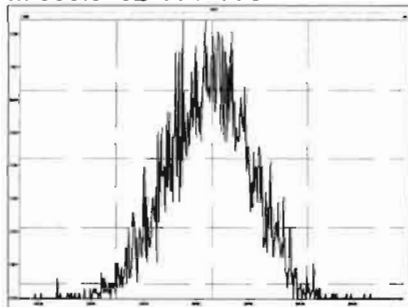
M 342.9792 R 11114



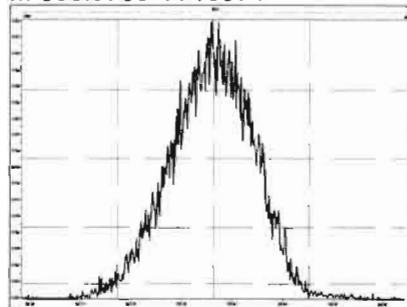
M 354.9792 R 11683



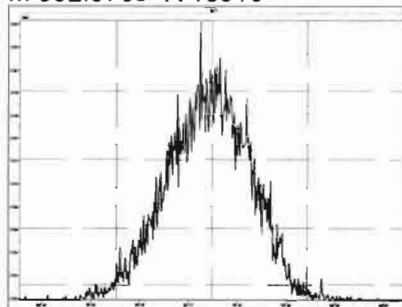
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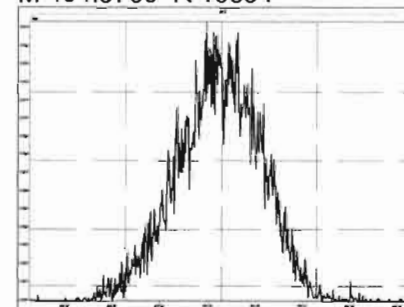
M 380.9760 R 10374



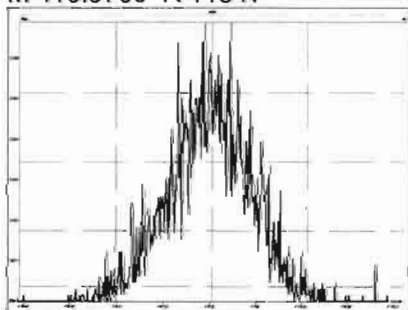
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M 404.9760 R 10594



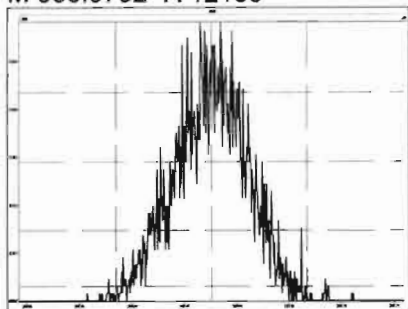
M 416.9760 R 11847



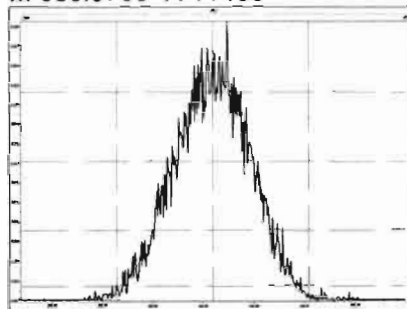
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Printed: Wednesday, April 14, 2021 09:39:36 Pacific Daylight Time

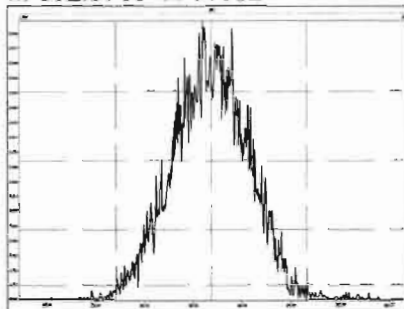
M 366.9792 R 12136



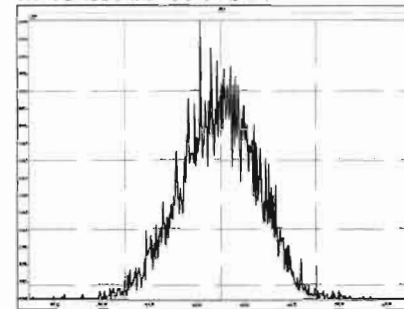
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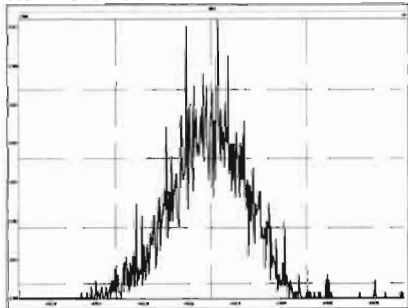
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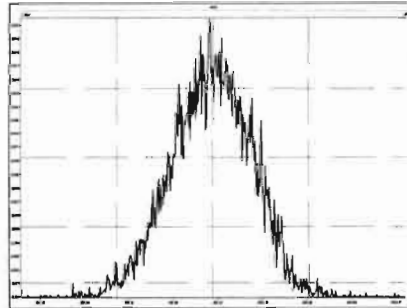
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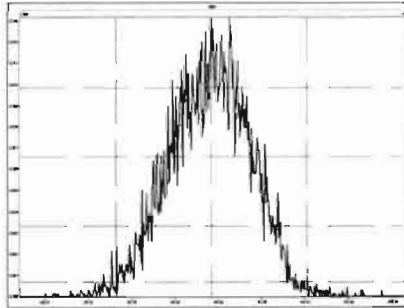
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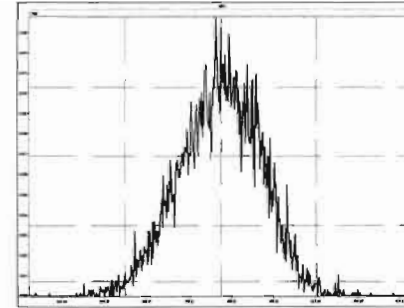
M 430.9728 R 11159



M 442.9728 R 10870



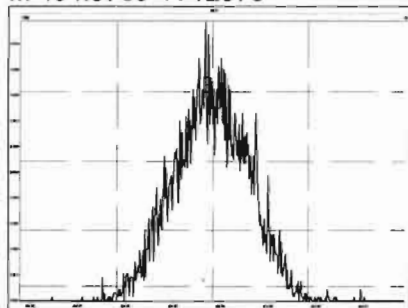
M 454.9728 R 11159



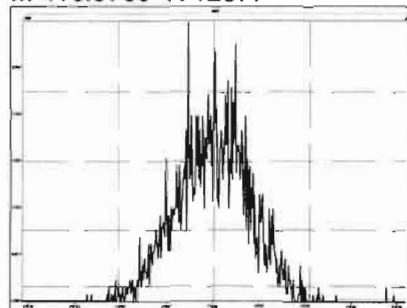
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Printed: Wednesday, April 14, 2021 09:40:37 Pacific Daylight Time

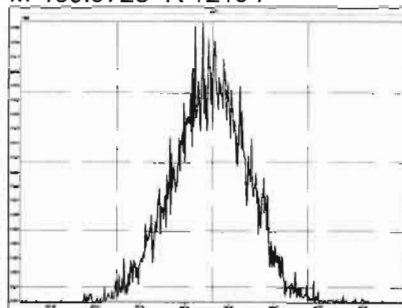
M 404.9760 R 12076



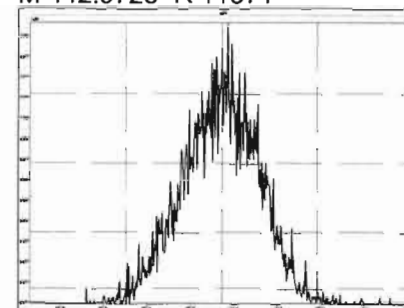
M 416.9760 R 12377



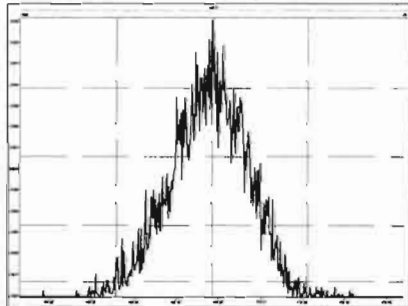
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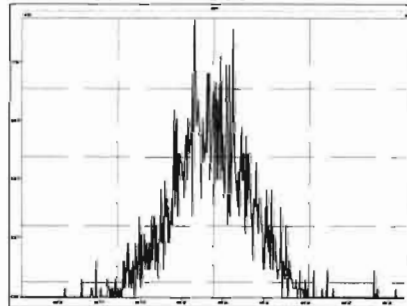
M 442.9728 R 11571



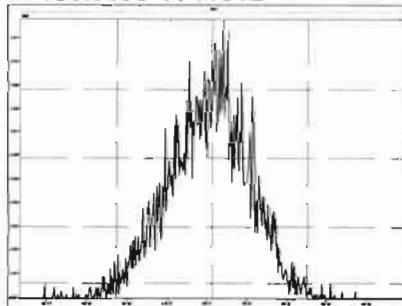
M 454.9728 R 11415



M 466.9728 R 13091



M 480.9696 R 11312



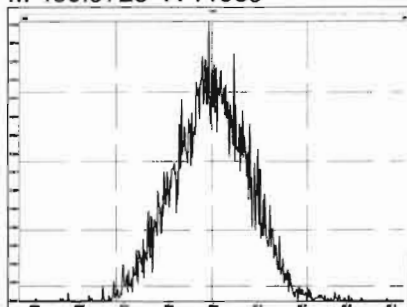
Experiment Calibration Report

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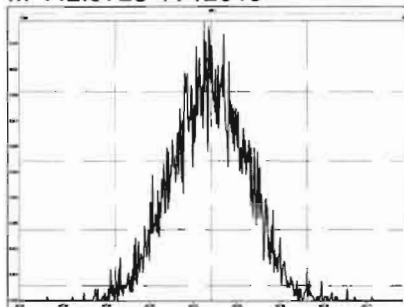
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Printed: Wednesday, April 14, 2021 09:41:44 Pacific Daylight Time

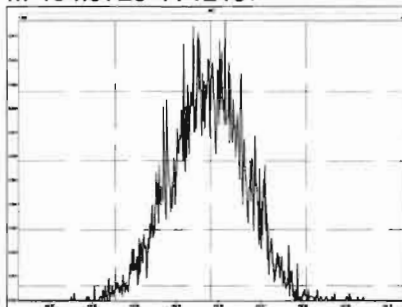
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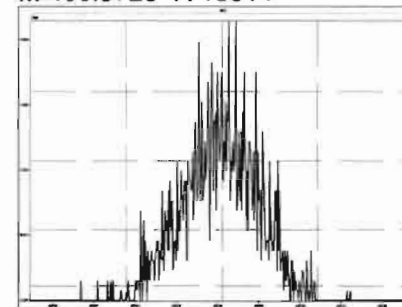
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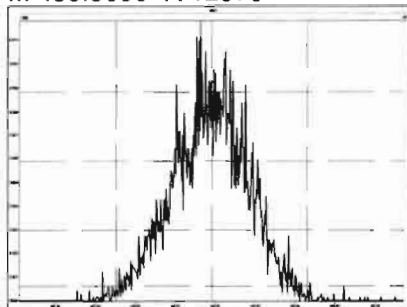
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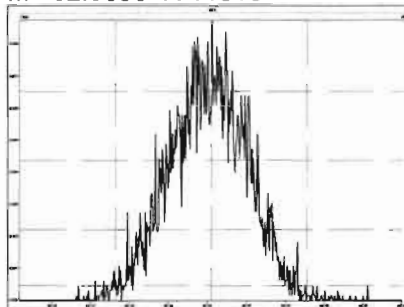
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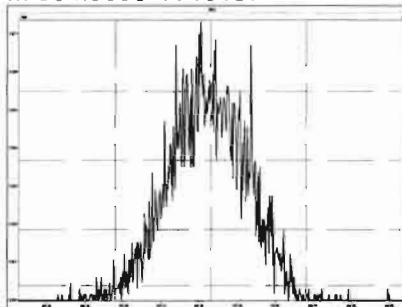
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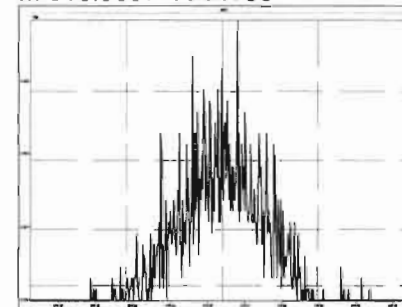
M 492.9696 R 11518



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

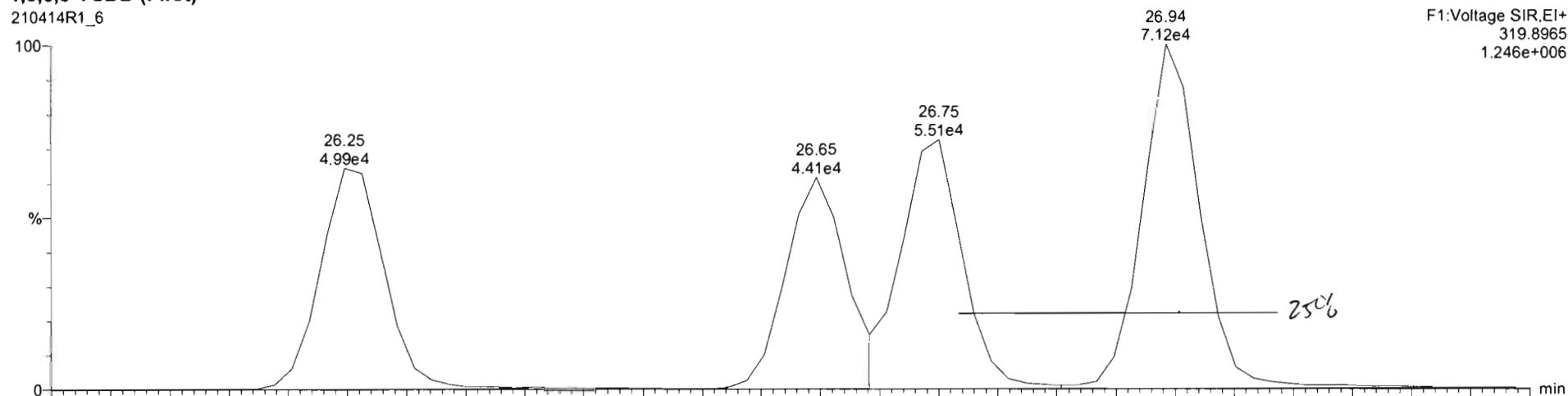
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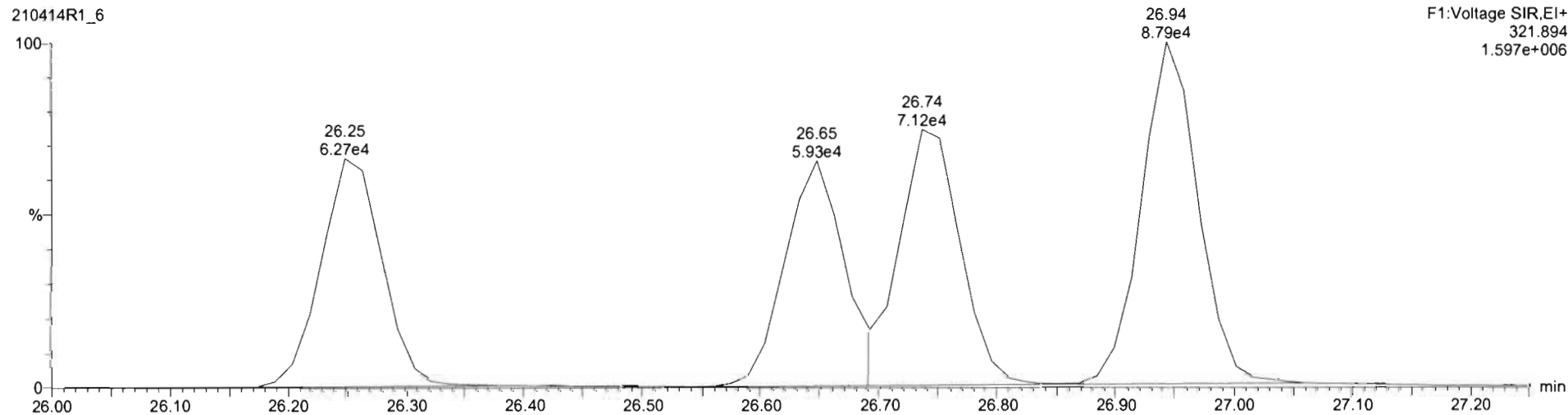
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1,3,6,8-TCDD (First)

210414R1_6



210414R1_6



Dataset: U:\VG12.PRO\Results\210414R1\210414R1_CPSM.qld

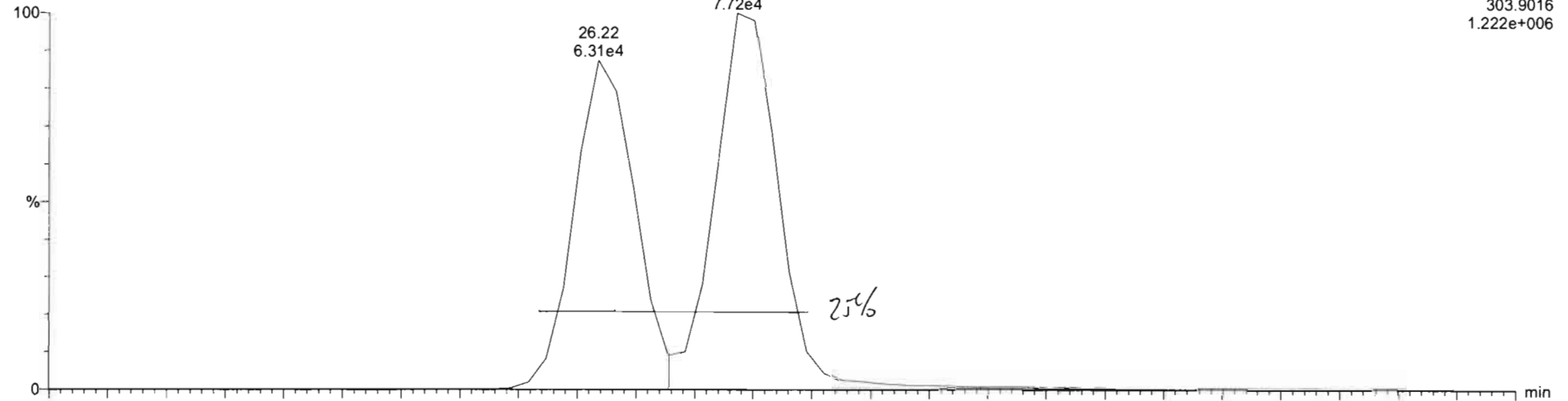
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FIN 04/15/21

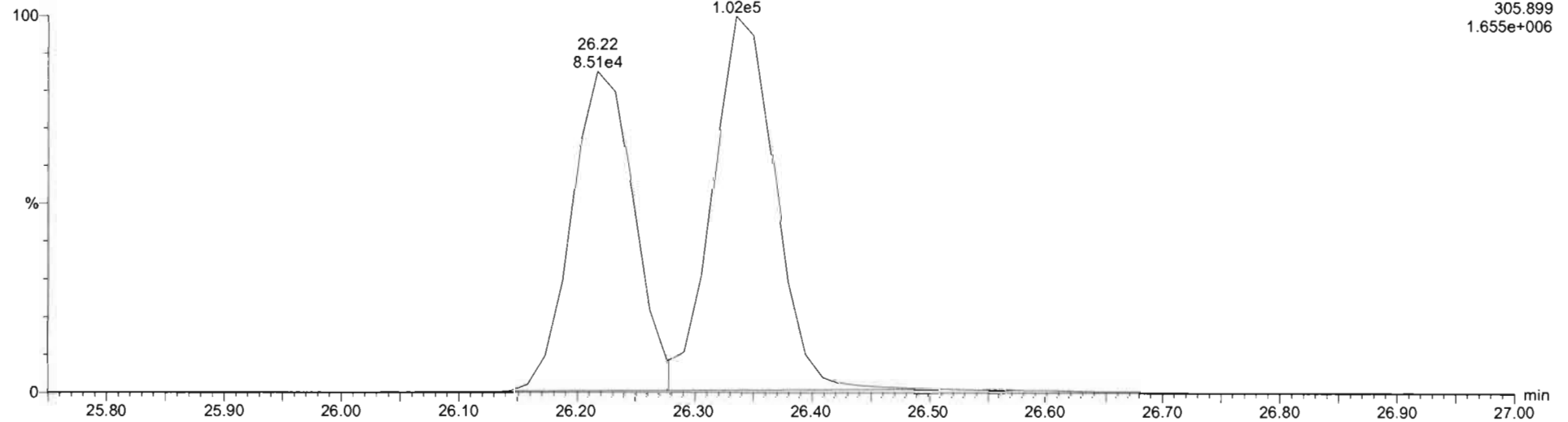
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1,3,6,8-TCDF (First)

210414R1_6



210414R1_6



Dataset: Untitled

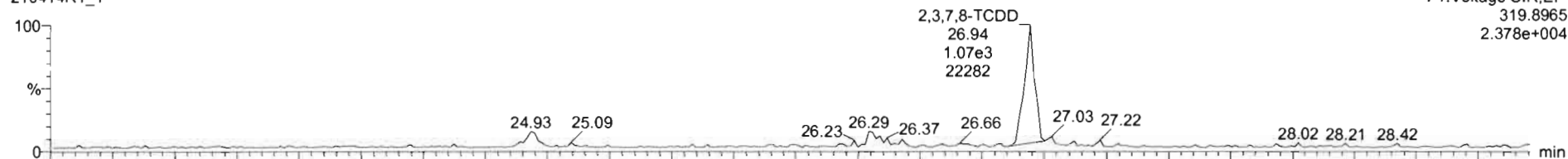
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Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-04-14-21.cdb 14 Apr 2021 14:49:28

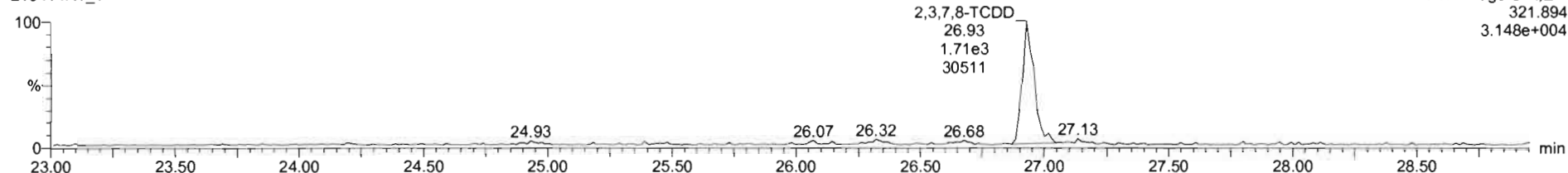
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2,3,7,8-TCDD

210414R1_1

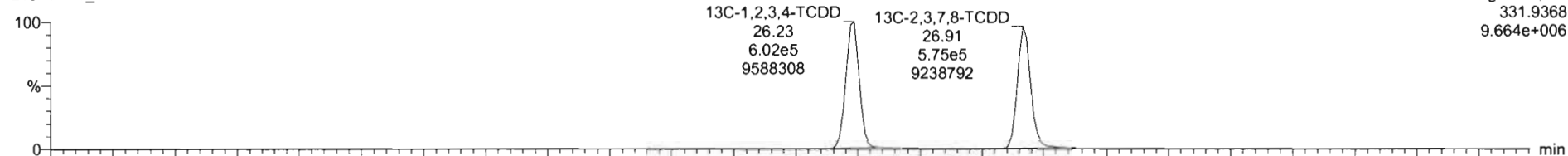


210414R1_1

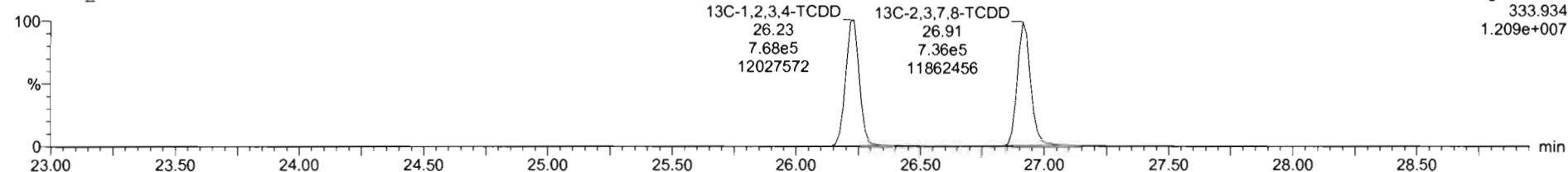


13C-2,3,7,8-TCDD

210414R1_1



210414R1_1

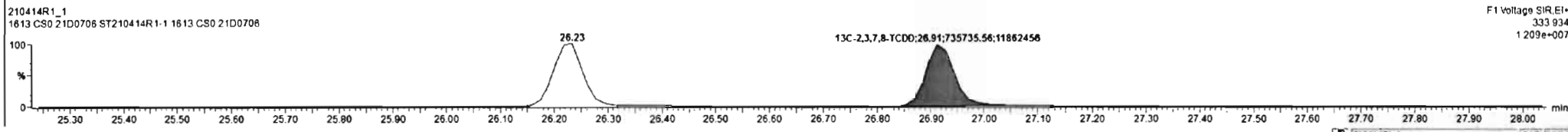
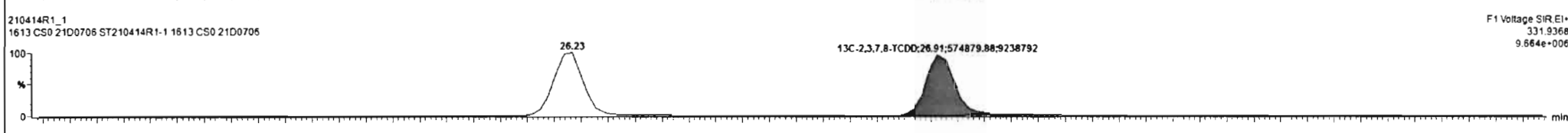
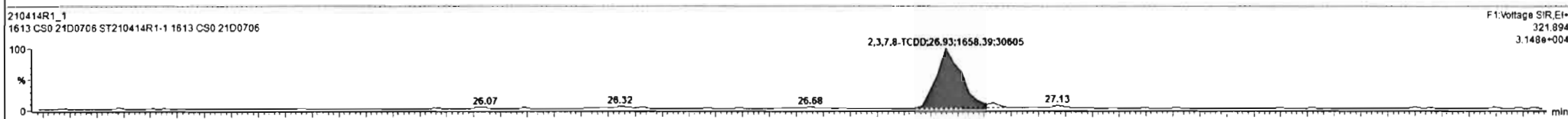
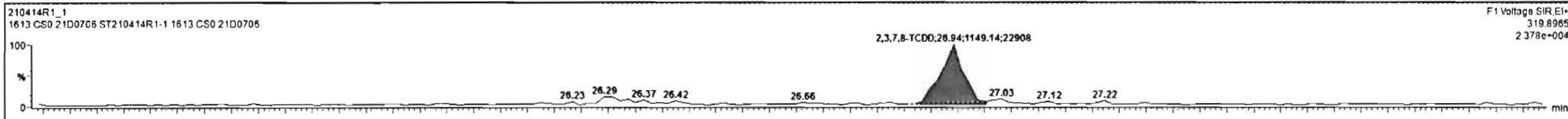


TargetLynx - 210414R1_CRV.qtd - Chromatogram

File Edit View Display Processing Window Help

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	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	2,3,4,6,7,8-HxCDF	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



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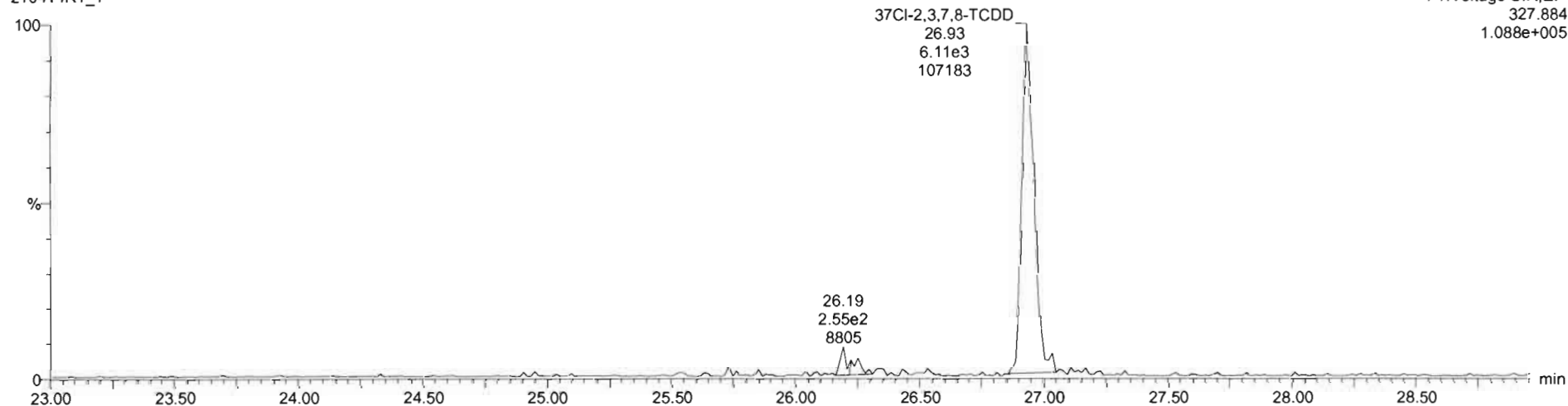
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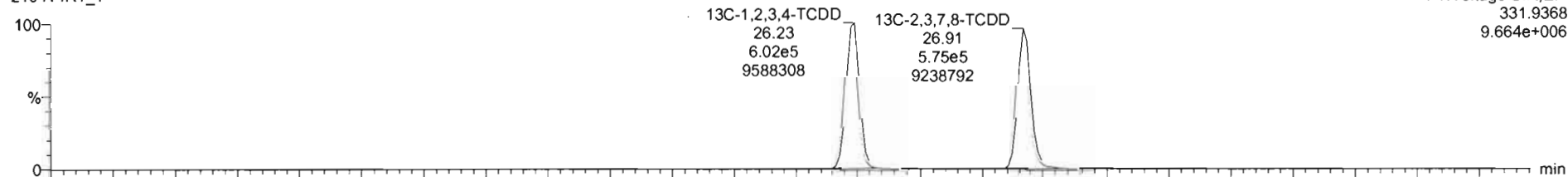
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210414R1_1

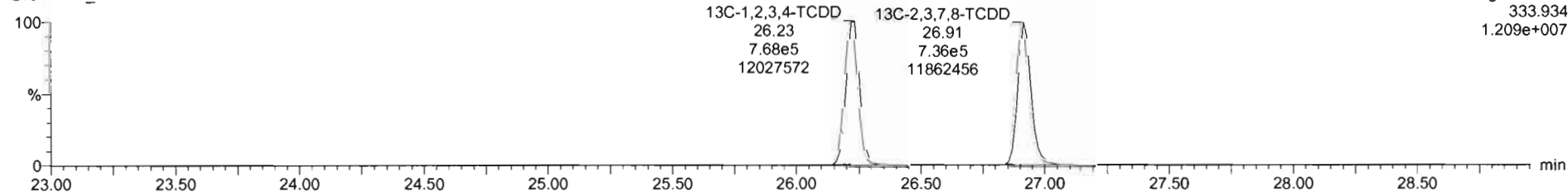


13C-1,2,3,4-TCDD

210414R1_1



210414R1_1



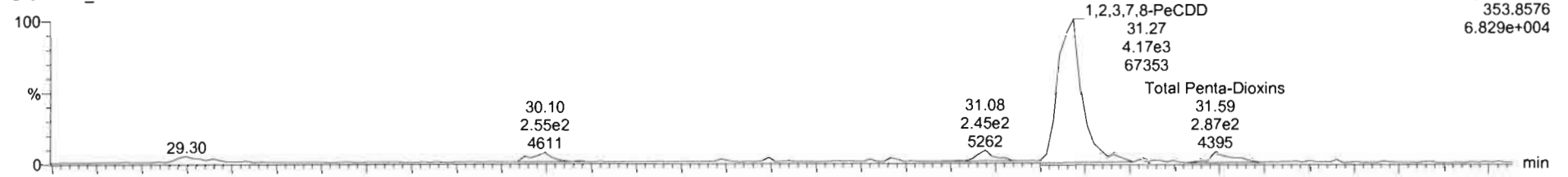
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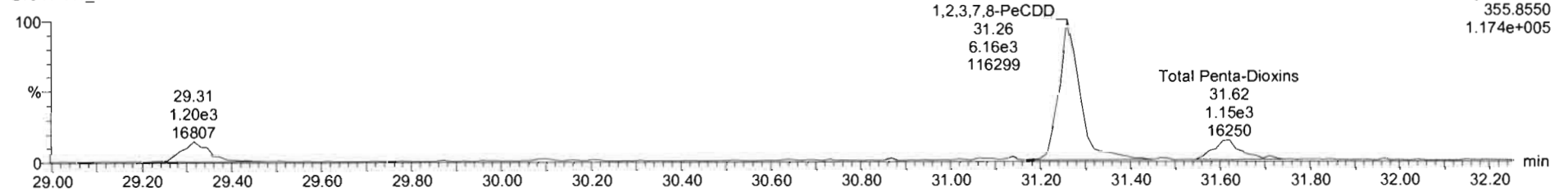
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1,2,3,7,8-PeCDD

210414R1_1

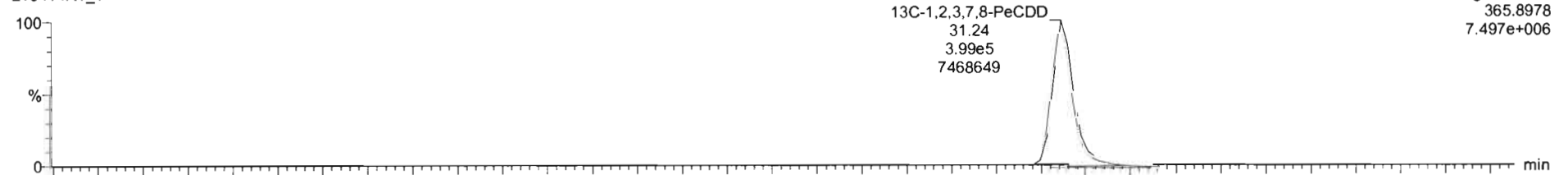


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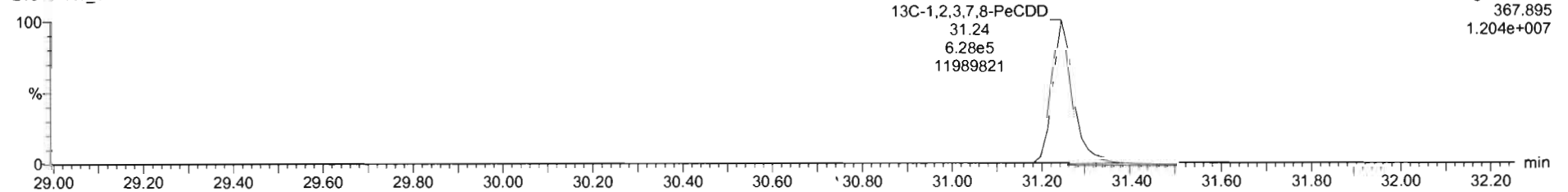


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210414R1_1



210414R1_1



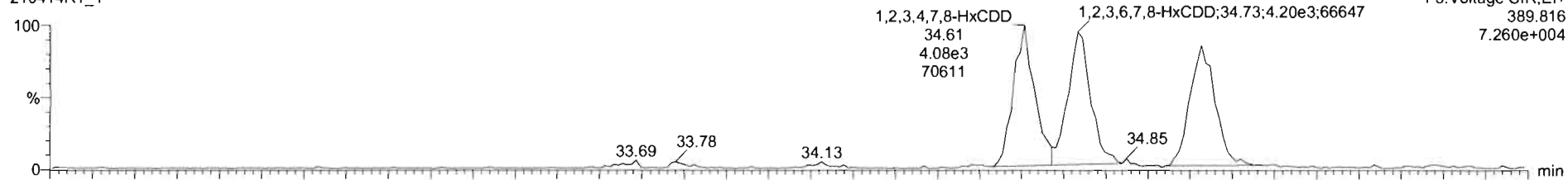
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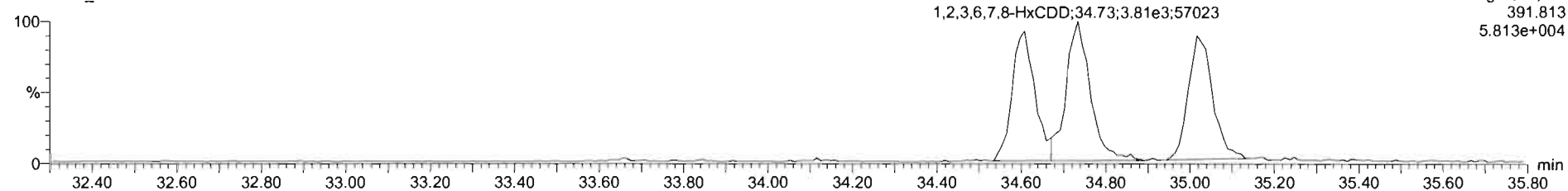
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1,2,3,4,7,8-HxCDD

210414R1_1

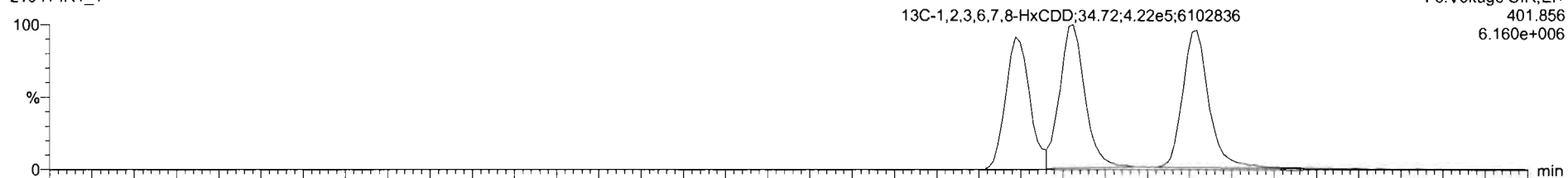


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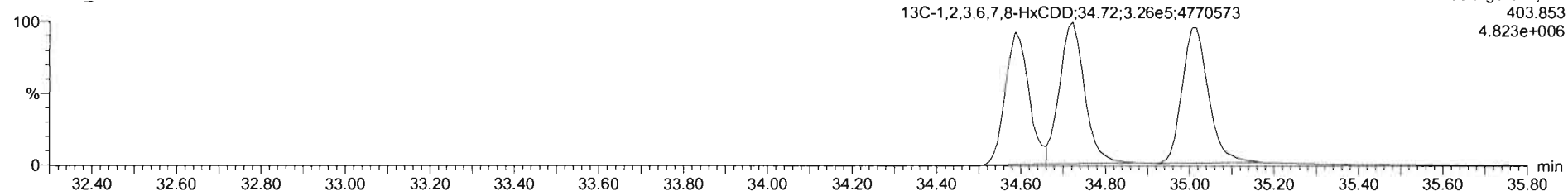


13C-1,2,3,4,7,8-HxCDD

210414R1_1



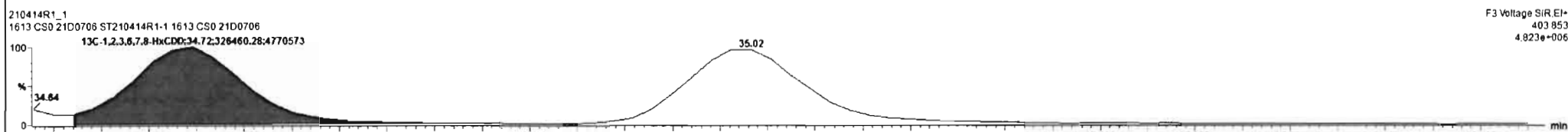
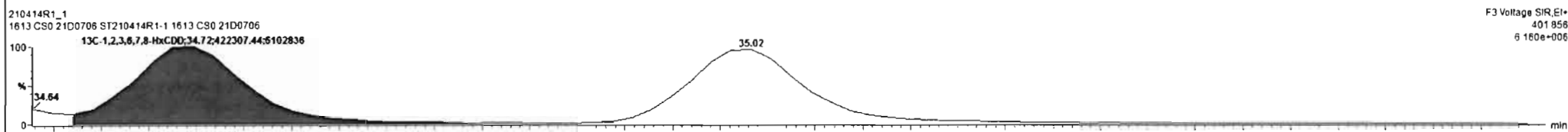
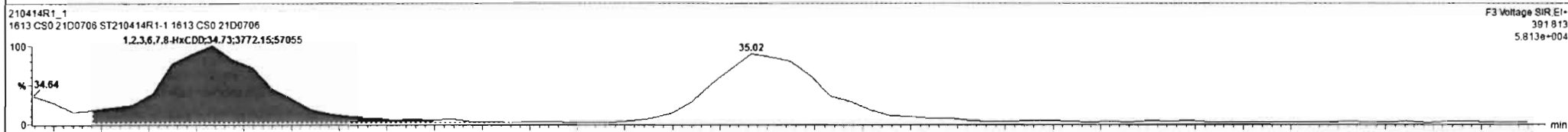
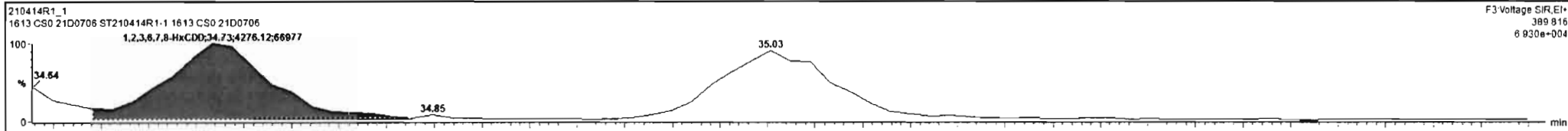
210414R1_1



TargetLyx - 210414R1_CRV.qtd - Chromatogram

210414R1_1 ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

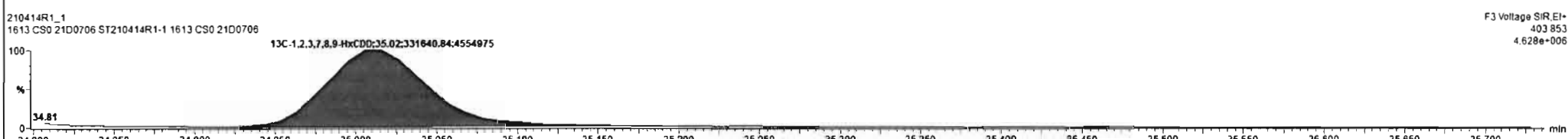
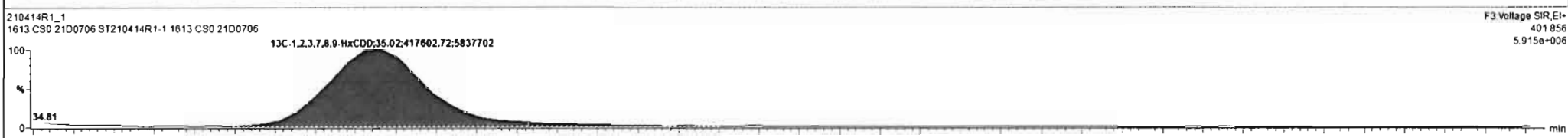
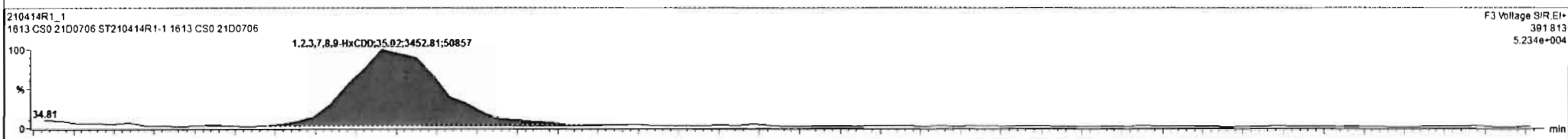
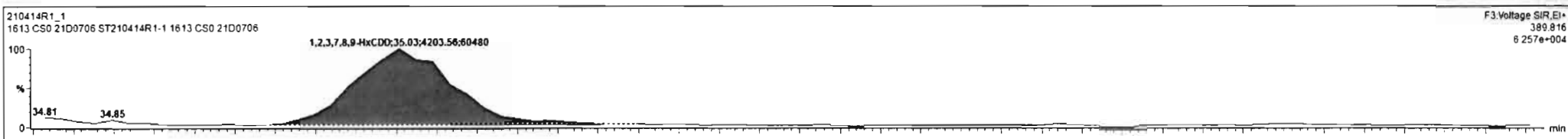
#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	28.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.872	0.0863
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	2,3,4,8,7,8-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



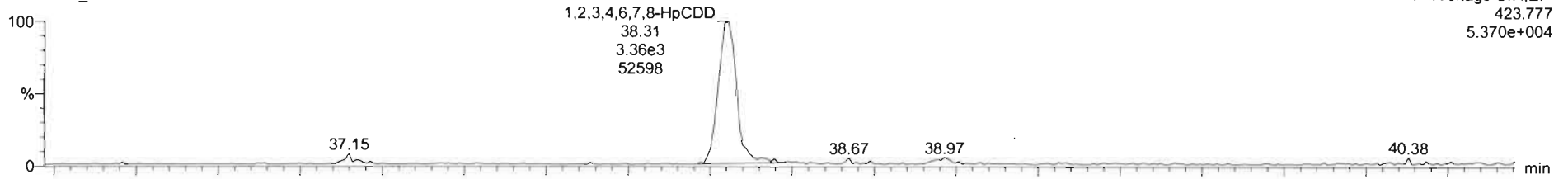
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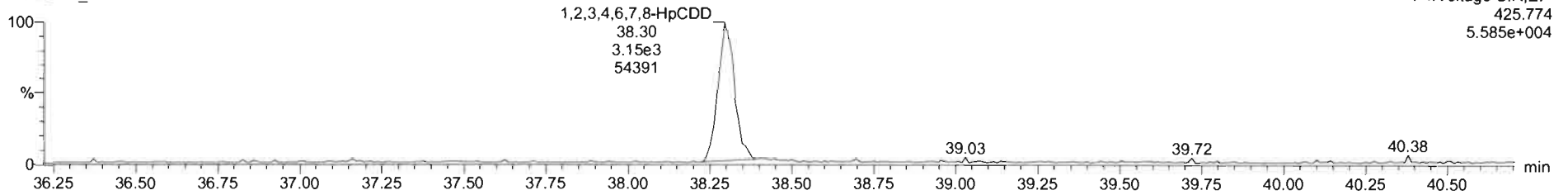
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1,2,3,4,6,7,8-HpCDD

210414R1_1

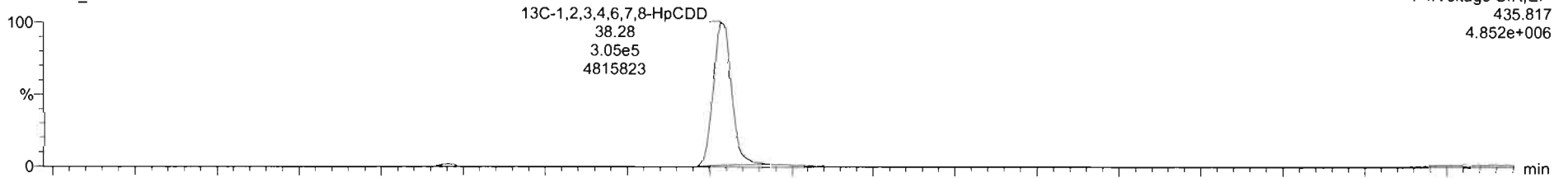


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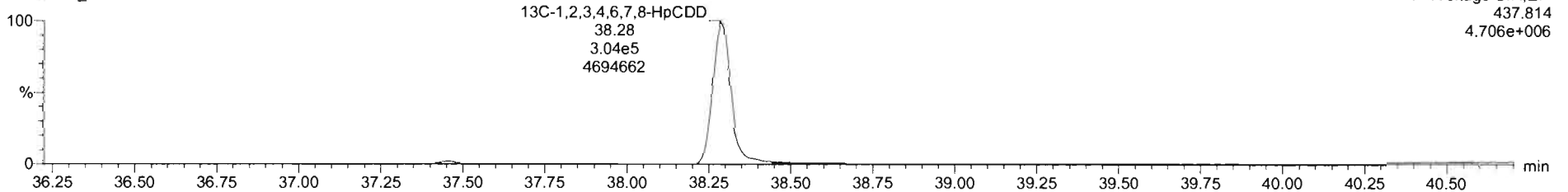


13C-1,2,3,4,6,7,8-HpCDD

210414R1_1

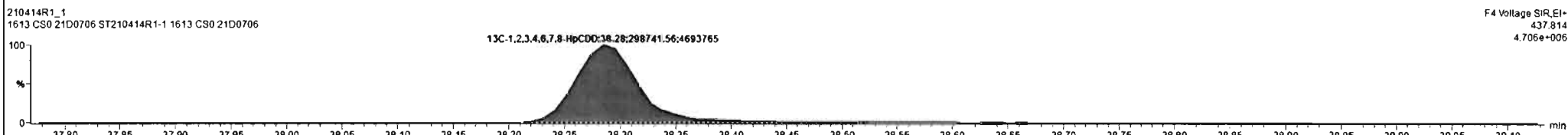
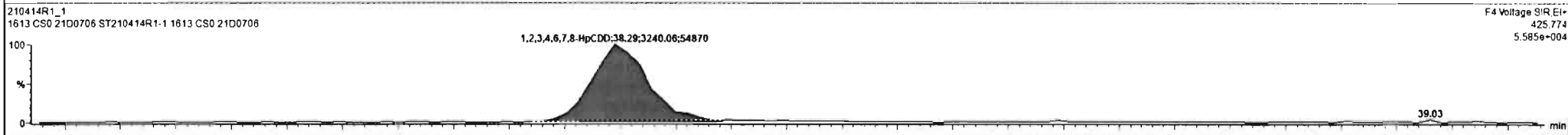
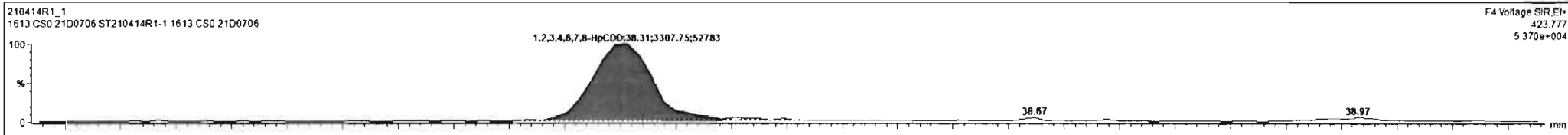


210414R1_1



210414R1_1 ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

#	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	1.1395e4	1.1567e6	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



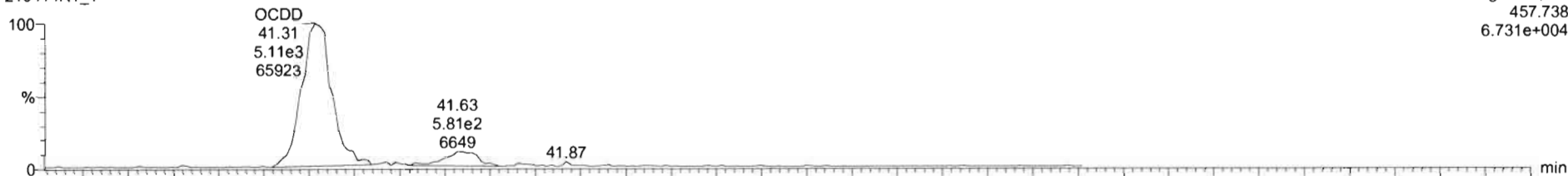
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

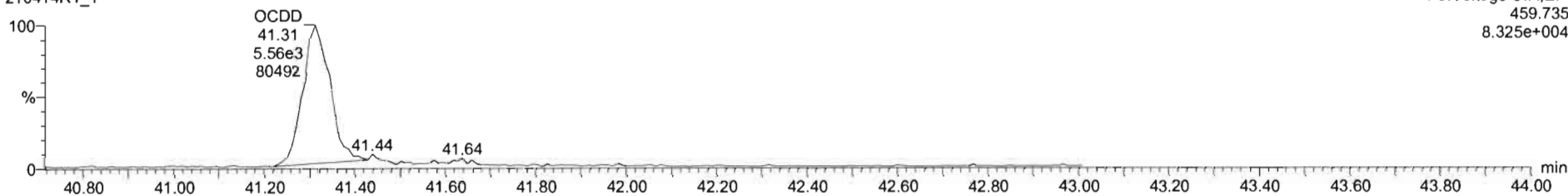
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OCDD

210414R1_1

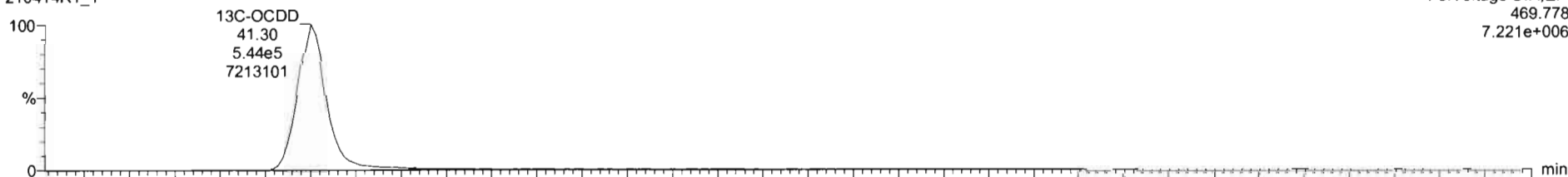


210414R1_1

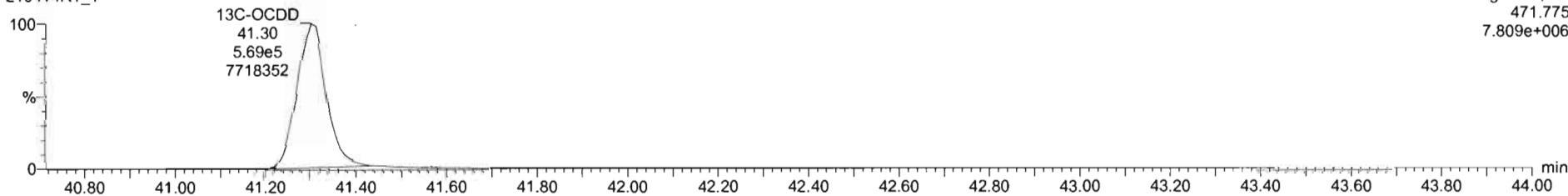


13C-OCDD

210414R1_1



210414R1_1

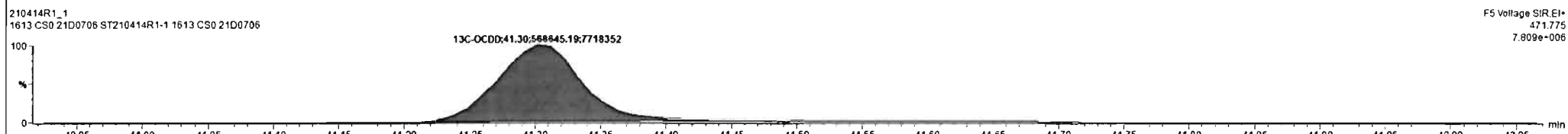
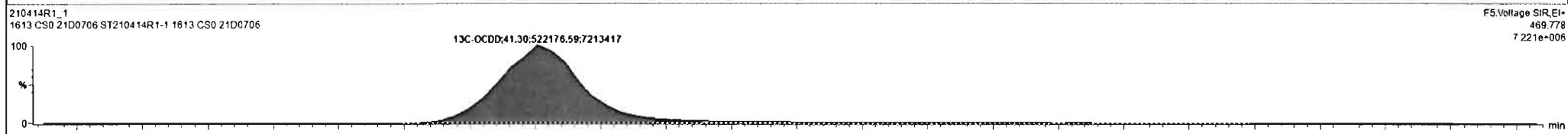
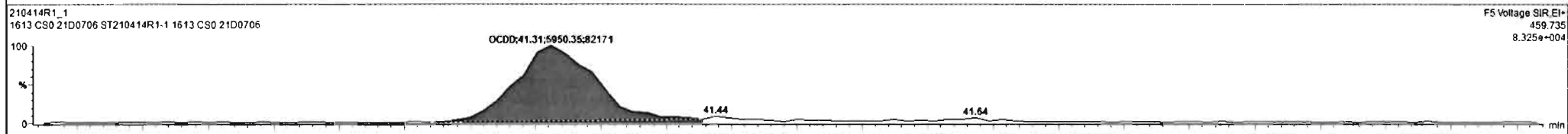
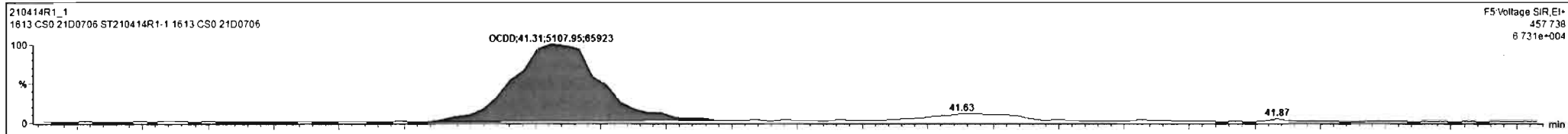


TargetLynx - 210414R1_ChrV.qld - (Chromatogram)

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210414R1_1 ST210414R1_1 1613 CS0 21D0706 1613 CS0 21D0706

#	V	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	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

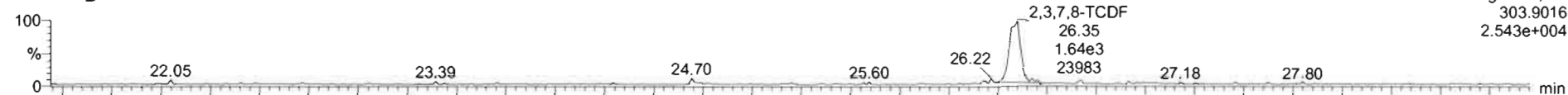
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

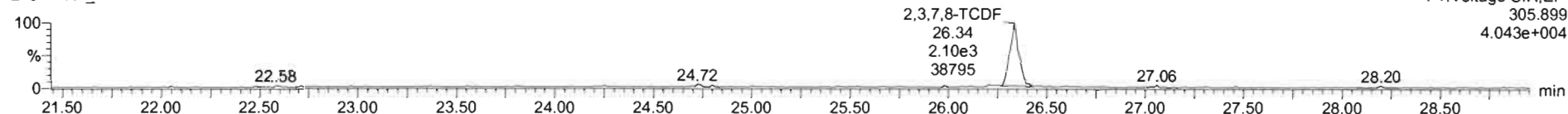
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2,3,7,8-TCDF

210414R1_1

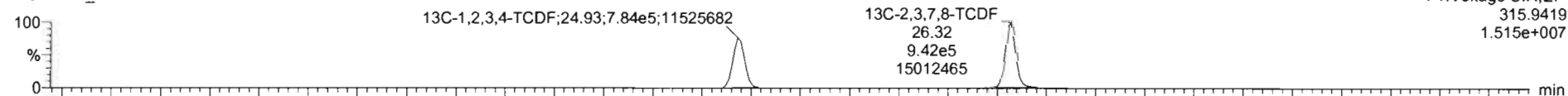


210414R1_1

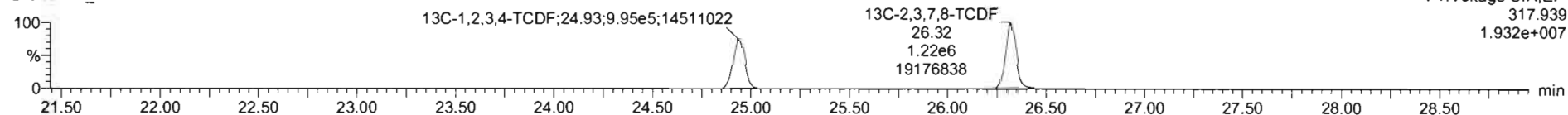


13C-2,3,7,8-TCDF

210414R1_1

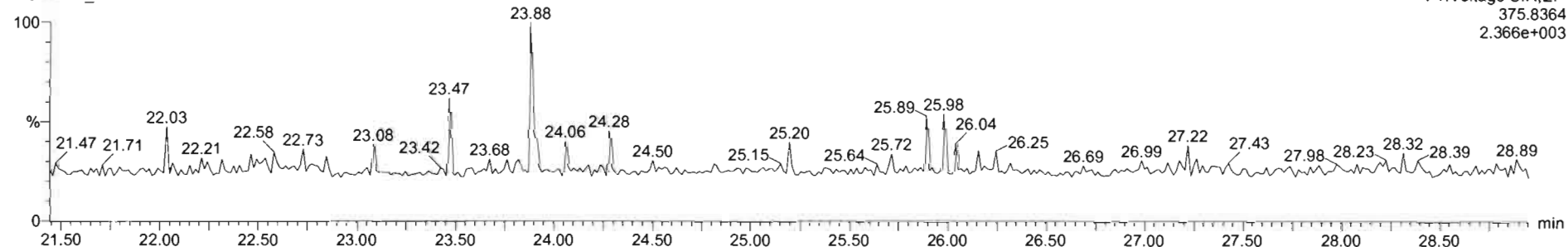


210414R1_1



DPE1

210414R1_1

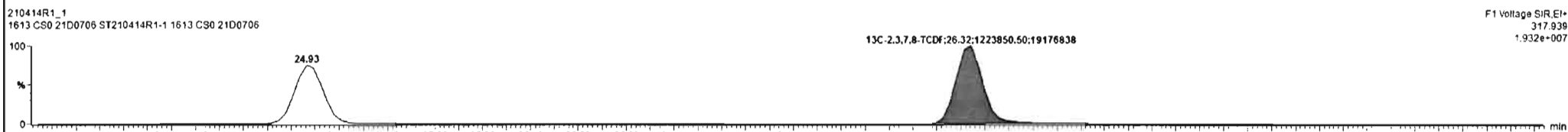
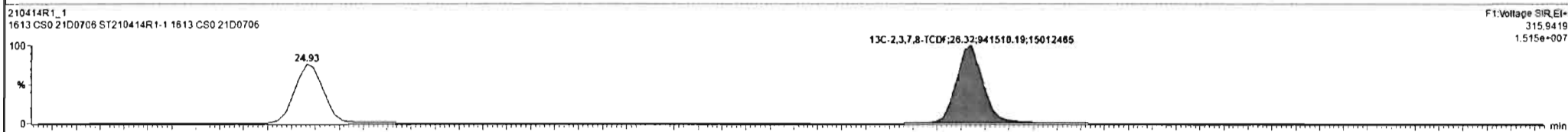
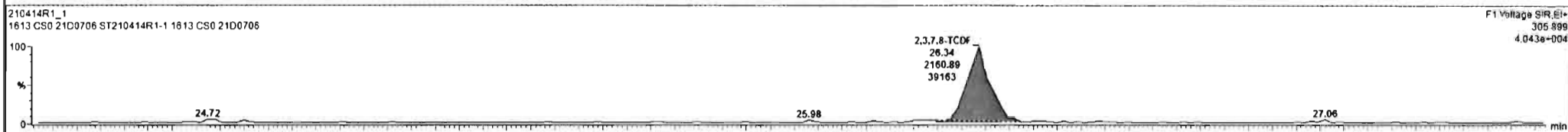
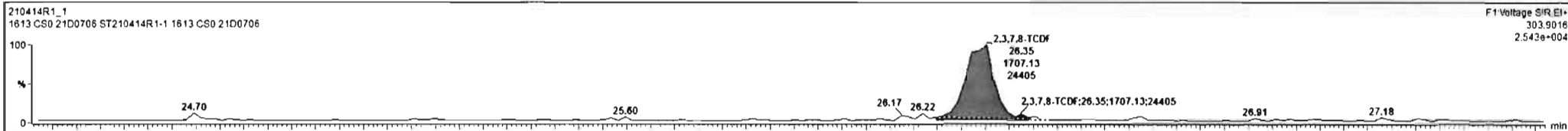


TargetLynx - 210414R1_CRV.qhd - Chromatogram

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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

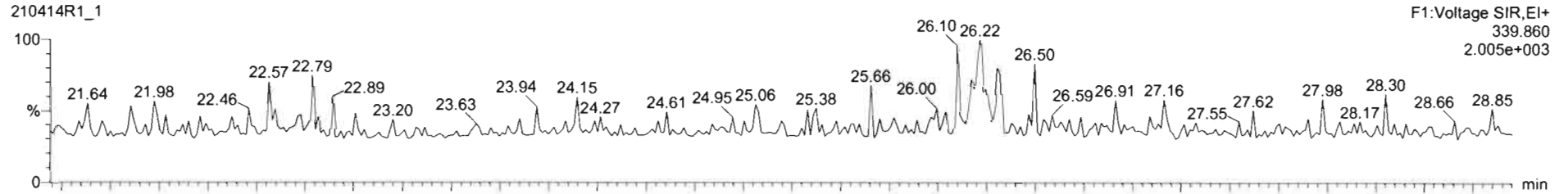
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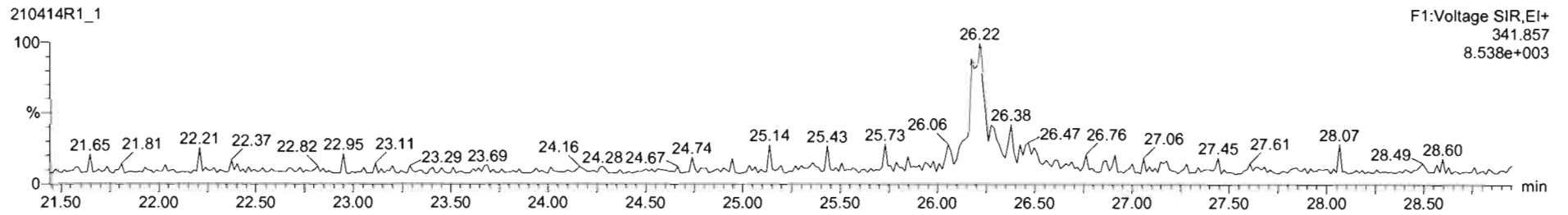
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1st Func. Penta-Furans

210414R1_1

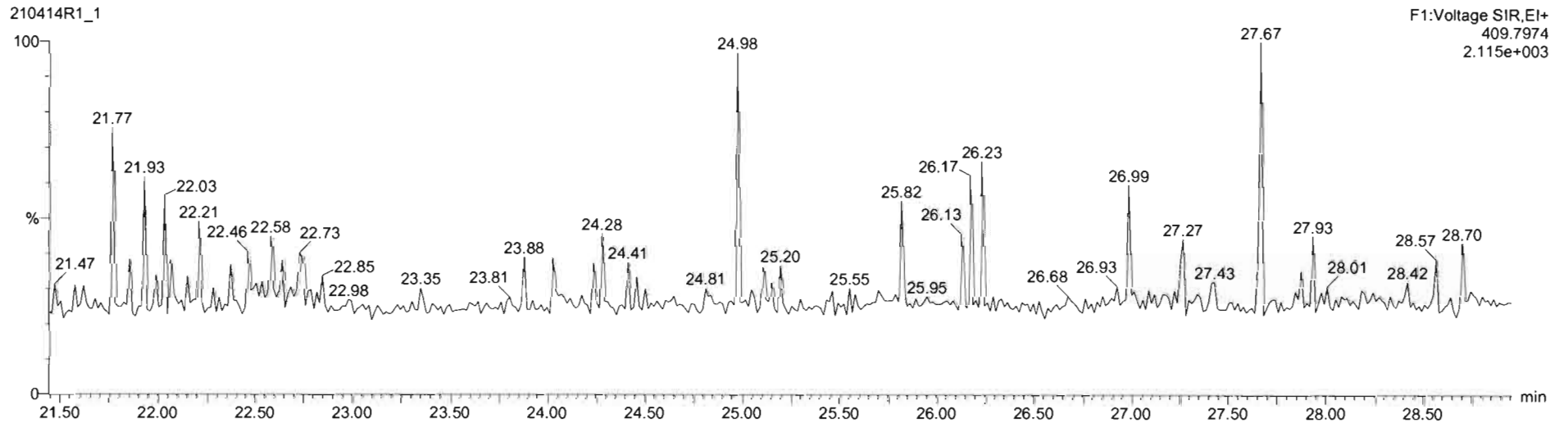


210414R1_1



DPE6

210414R1_1



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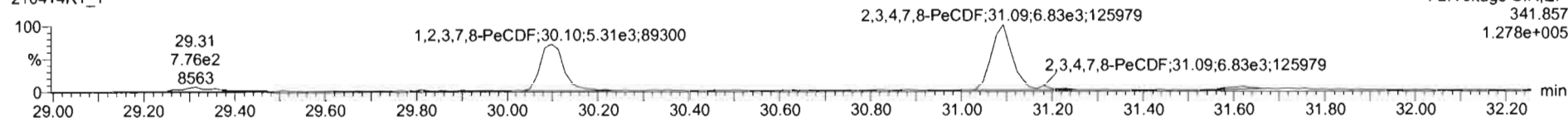
1,2,3,7,8-PeCDF

210414R1_1



F2:Voltage SIR,EI+
339.860
1.867e+005

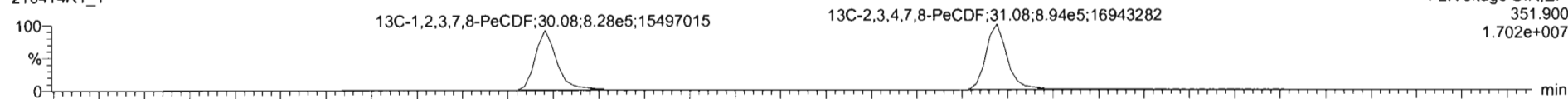
210414R1_1



F2:Voltage SIR,EI+
341.857
1.278e+005

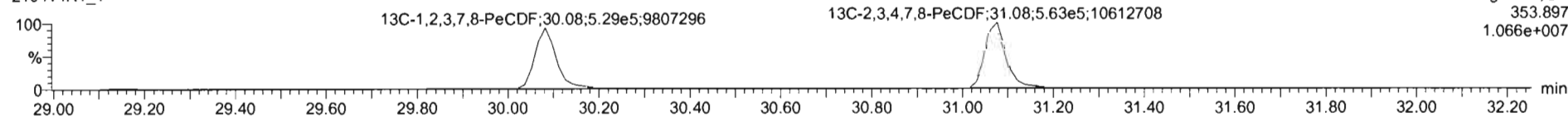
13C-1,2,3,7,8-PeCDF

210414R1_1



F2:Voltage SIR,EI+
351.900
1.702e+007

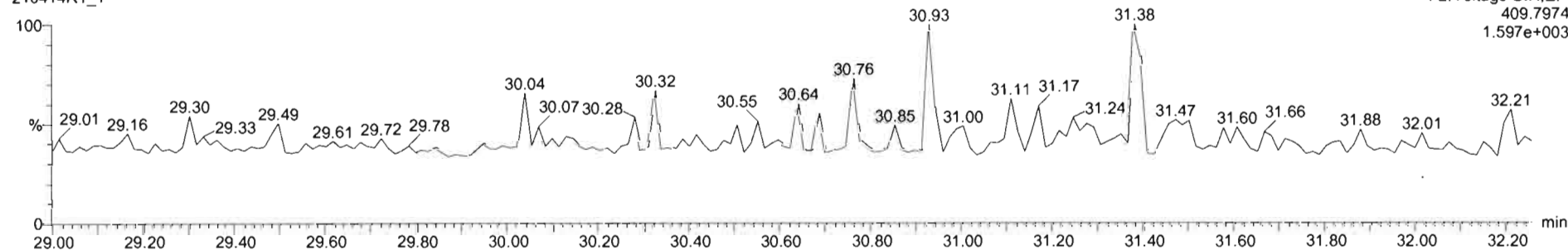
210414R1_1



F2:Voltage SIR,EI+
353.897
1.066e+007

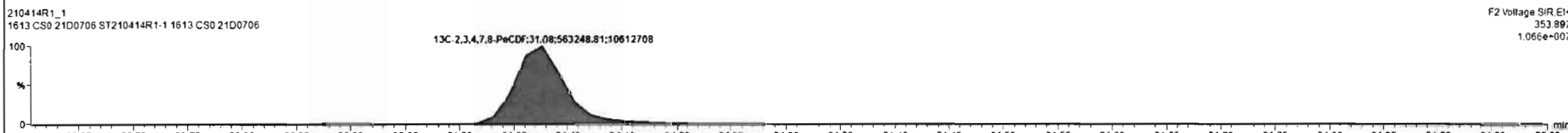
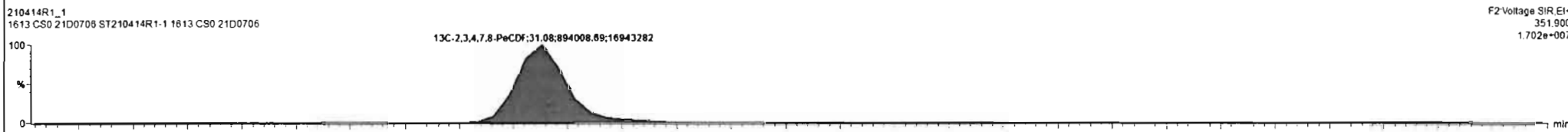
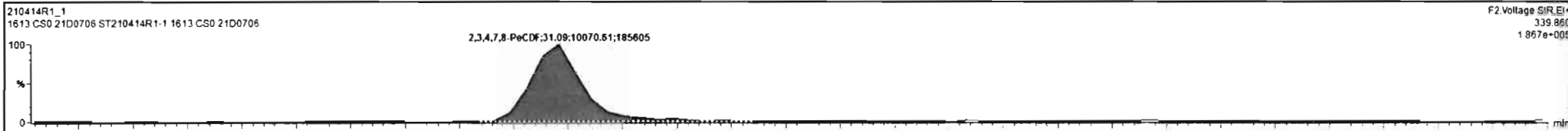
DPE2

210414R1_1



F2:Voltage SIR,EI+
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1.597e+003

#	RT	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	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-HxCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	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	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	1.8882e4	1.4573e6	1.250	-3.8	7.91	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	7.76	0.936	0.0727
13	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



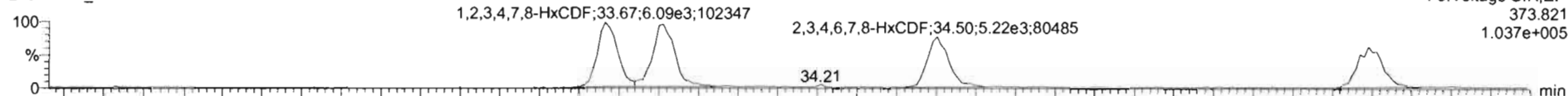
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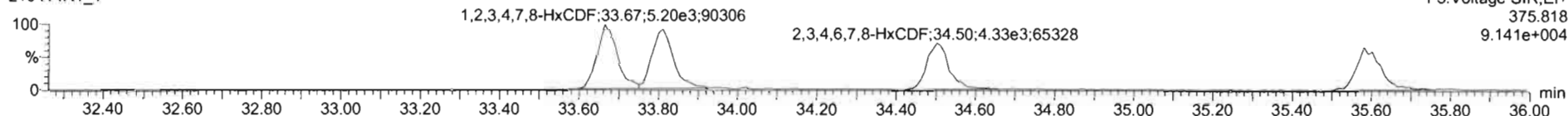
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1,2,3,4,7,8-HxCDF

210414R1_1

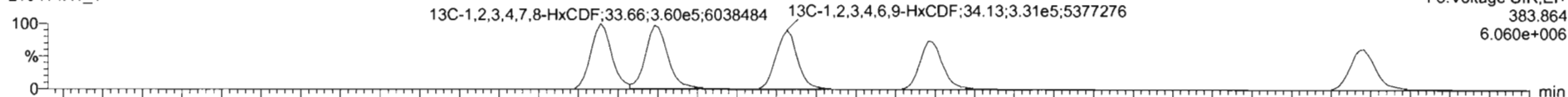


210414R1_1

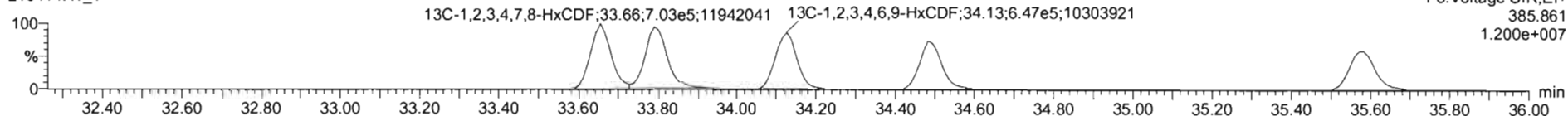


13C-1,2,3,4,7,8-HxCDF

210414R1_1

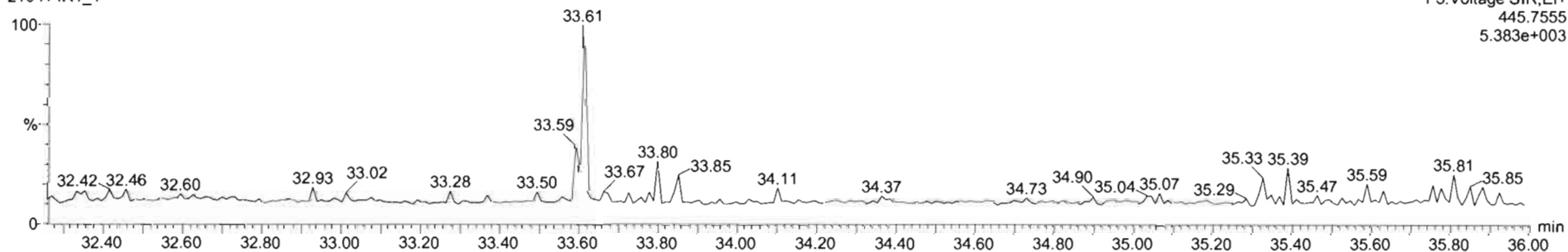


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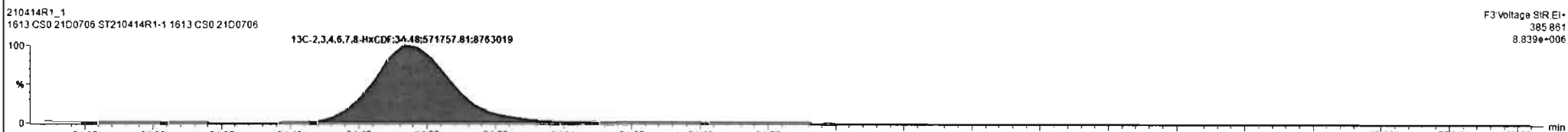
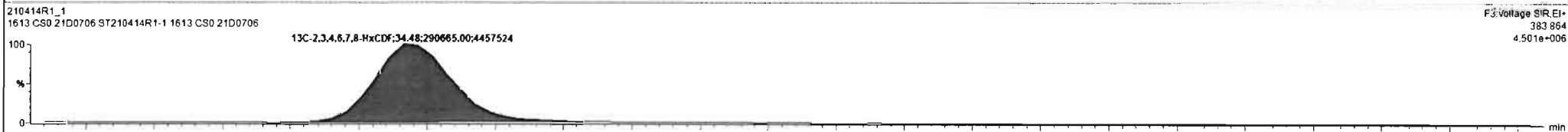
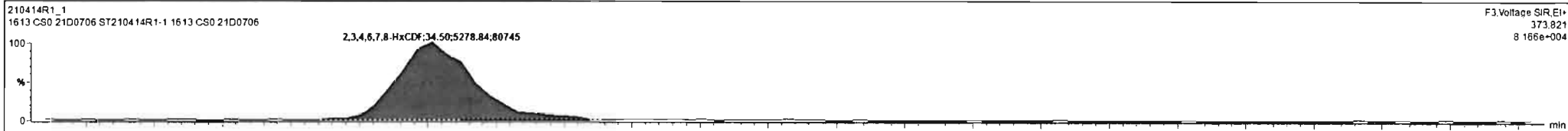


DPE3

210414R1_1

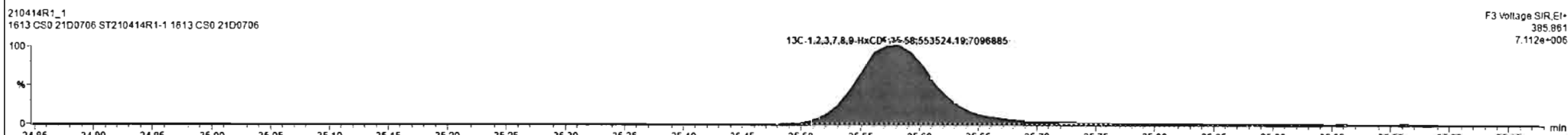
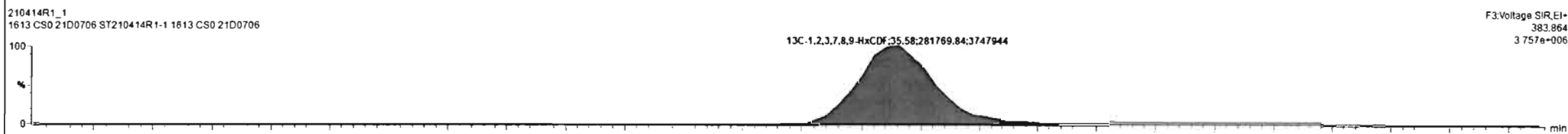
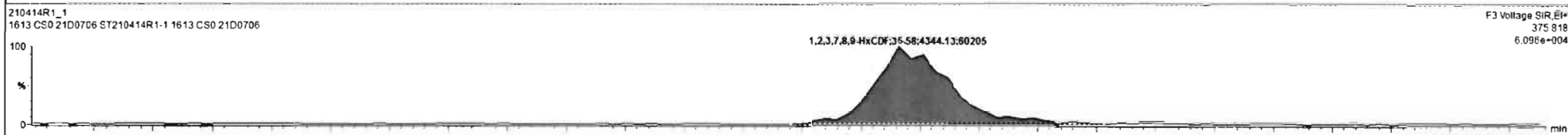
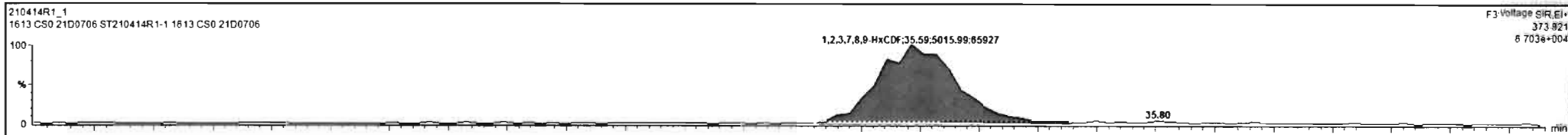


#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	6.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
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	1.021	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



210414R1_1 ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

#	Name	RT	RA	ym	Area	IS Area	Std Conc	NDev	N/RSD	RRF M	RRF SD
14	1,2,3,7,8,9-HxCDF	35.59	1.156	NO	9.3601e3	8.3529e5	1.259	-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



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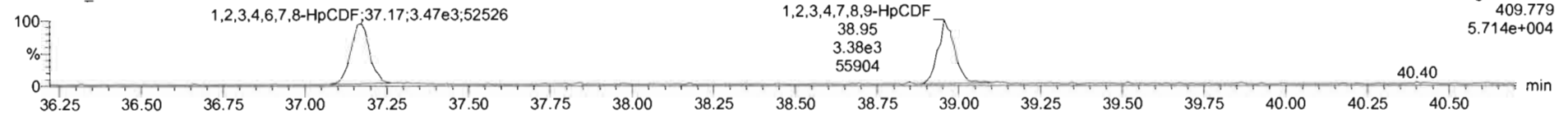
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210414R1_1

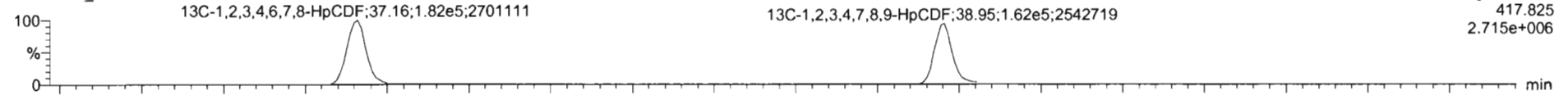


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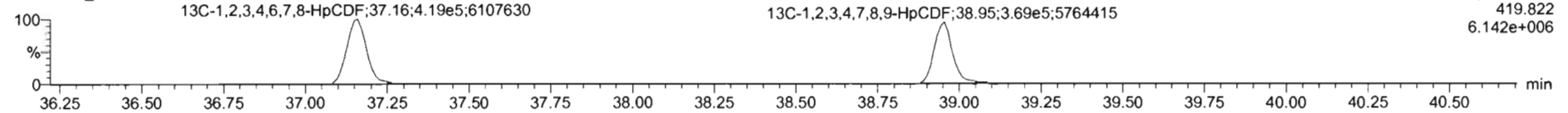


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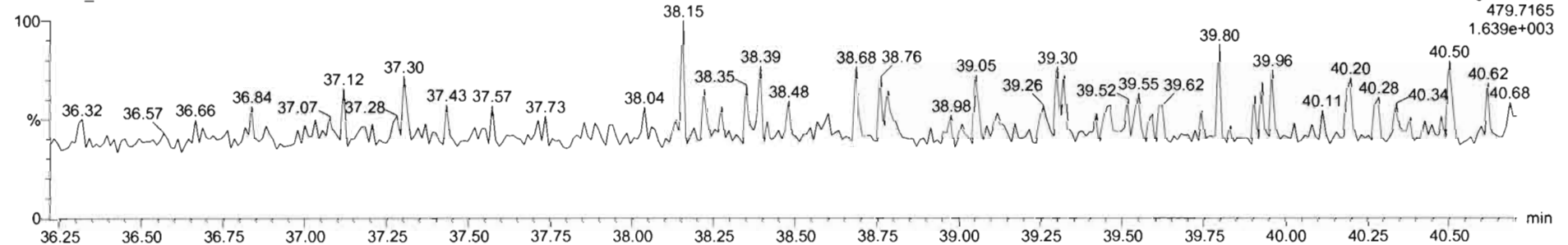


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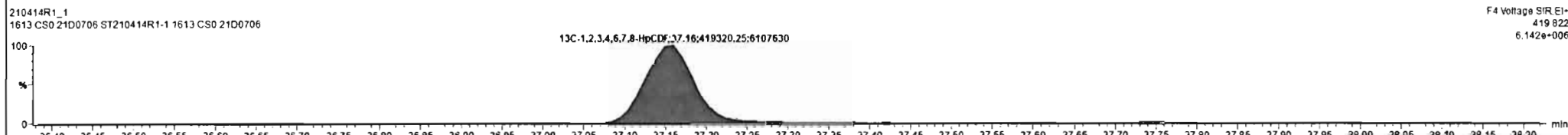
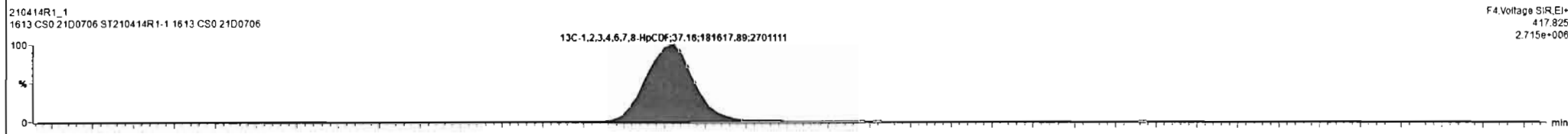
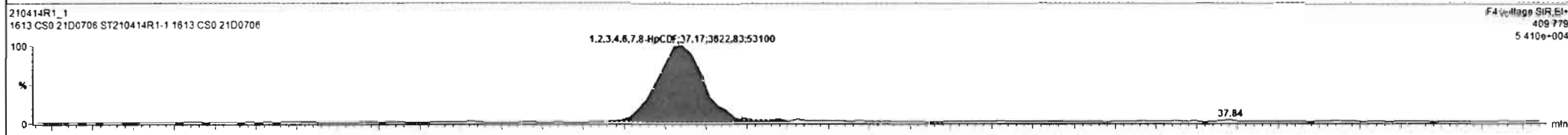
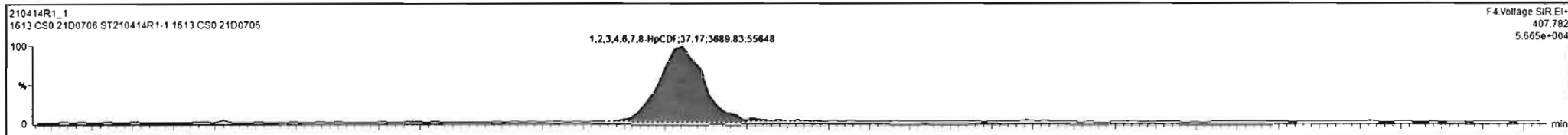


DPE4

210414R1_1



#	Name	RT	RA	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	9.3601e3	8.3529e5	1.250	-4.6	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.17	1.016	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	-8.8	8.40	1.05	0.0879
17	OCDF	41.65	0.893	NO	1.2322e4	1.3632e6	2.500	-5.2	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	0.838	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	0.684	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	0.899	0.0524

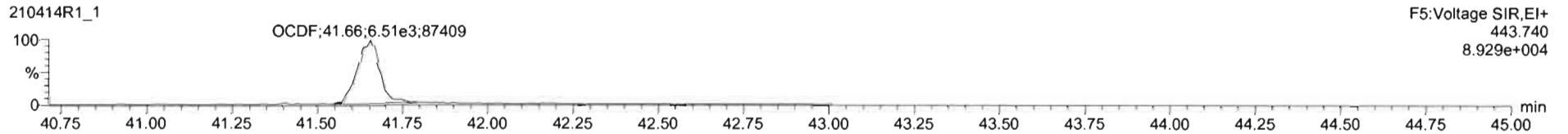
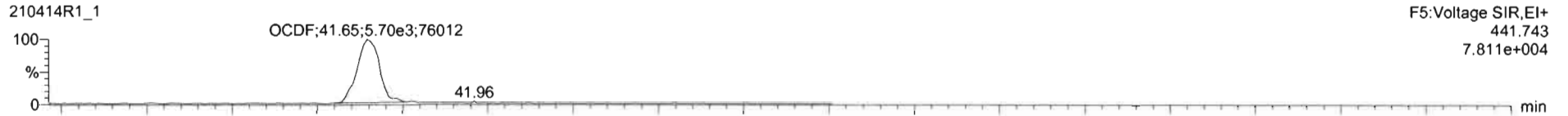


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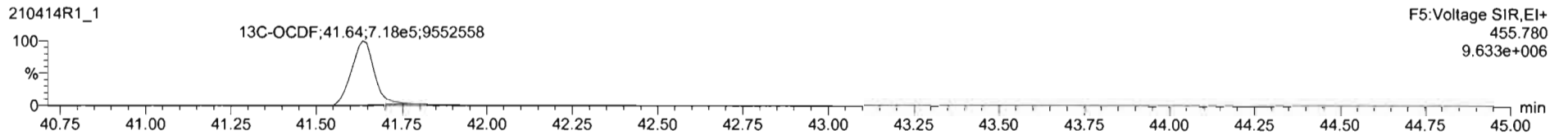
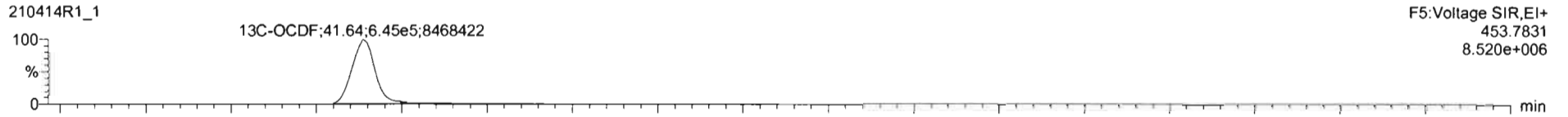
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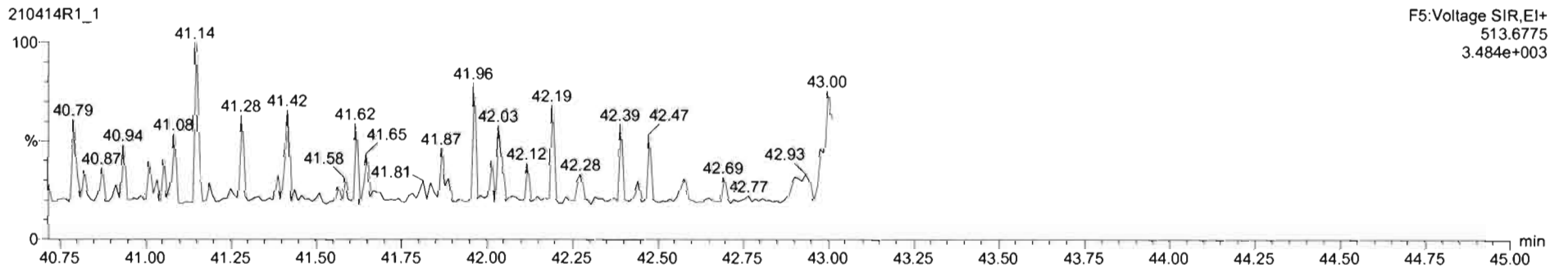
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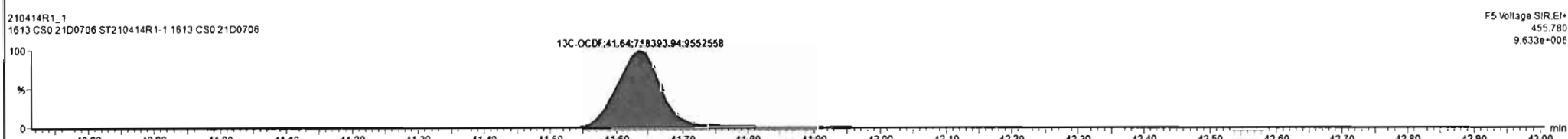
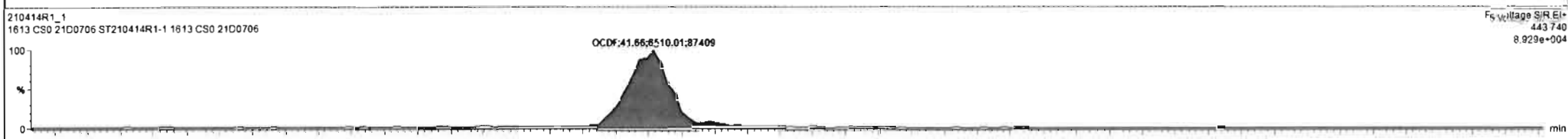
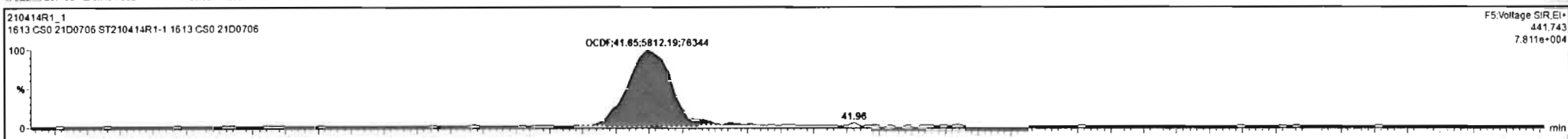
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DPE5



#	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	-8.3	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



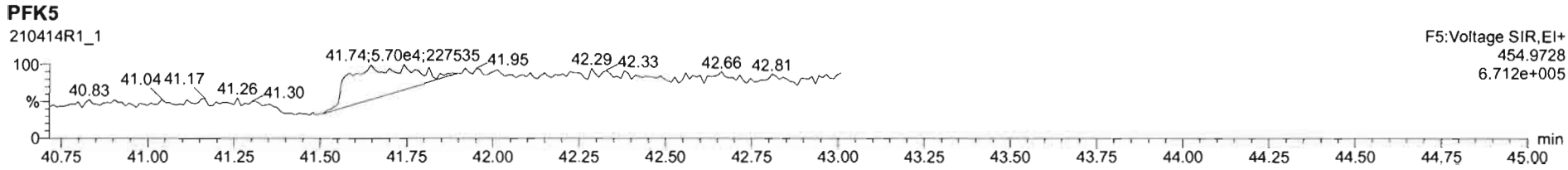
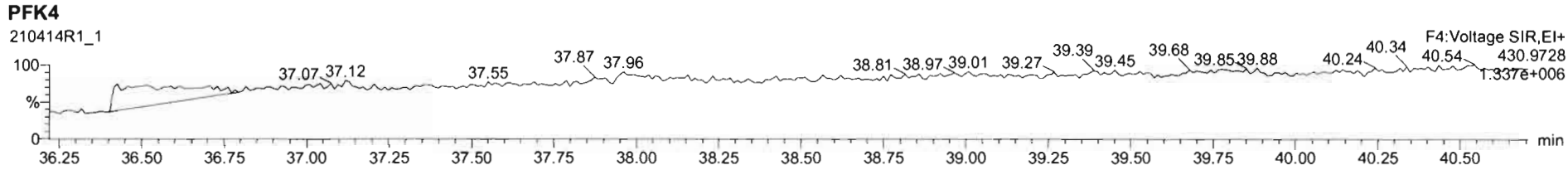
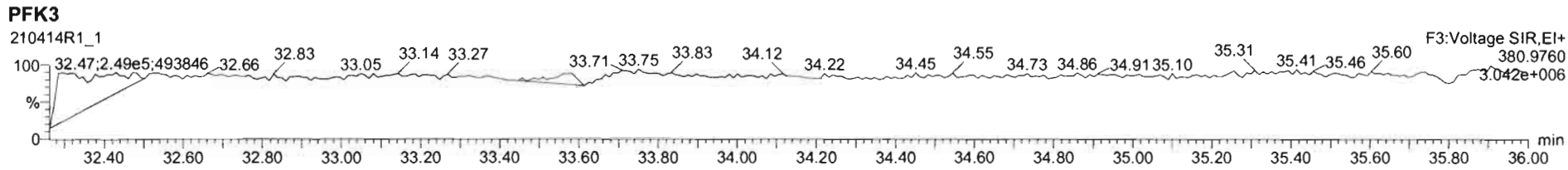
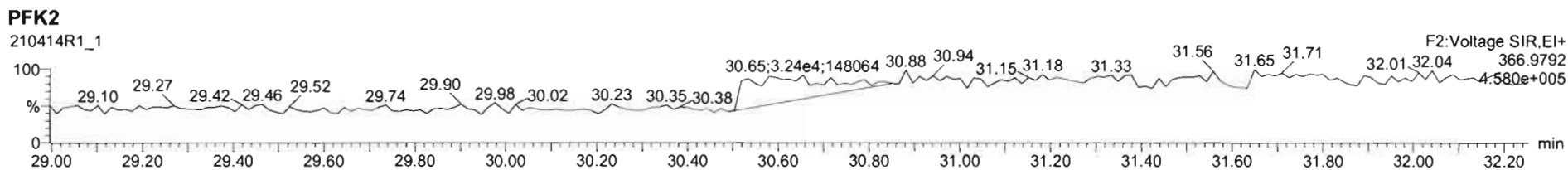
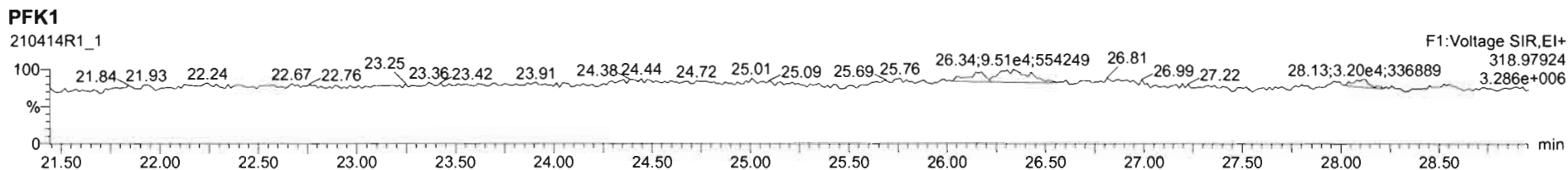
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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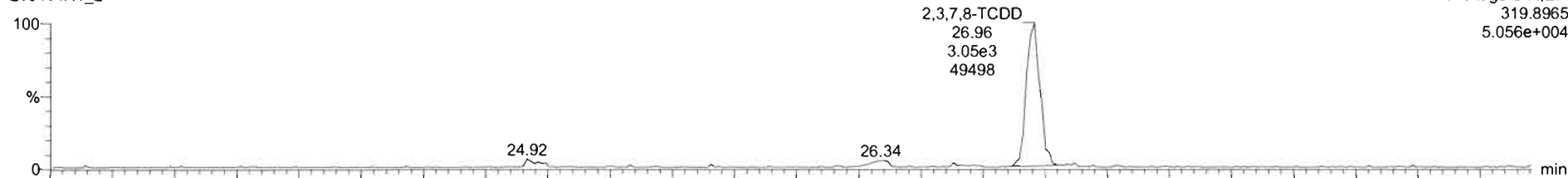
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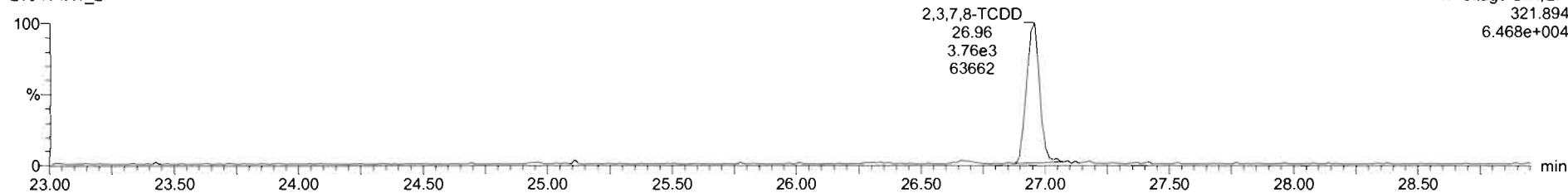
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2,3,7,8-TCDD

210414R1_2

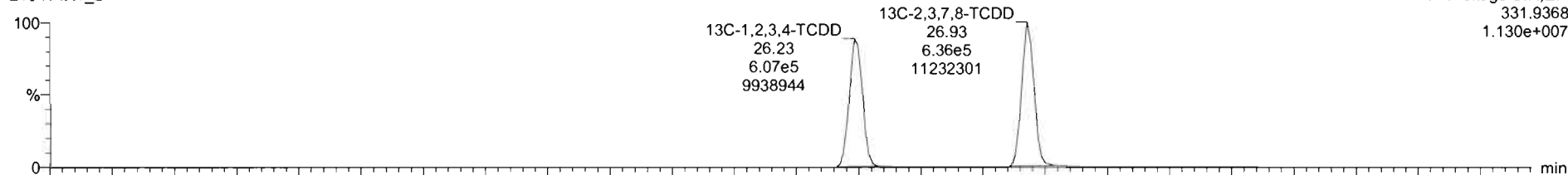


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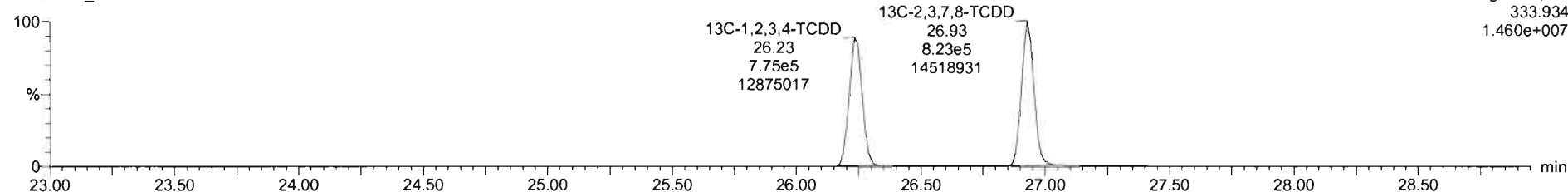


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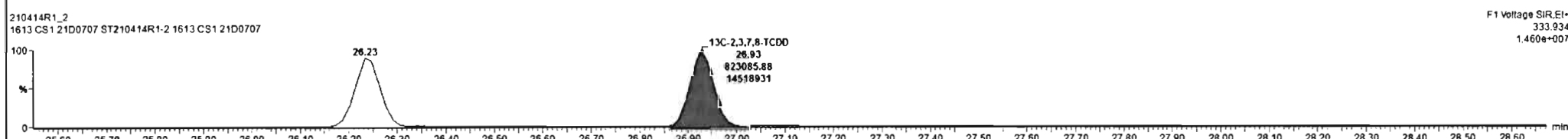
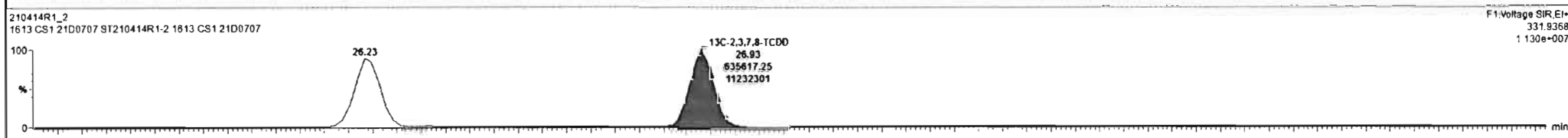
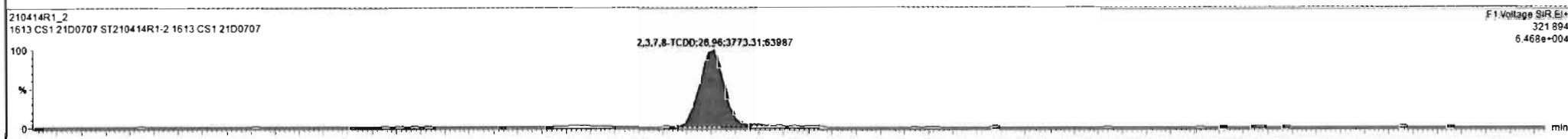
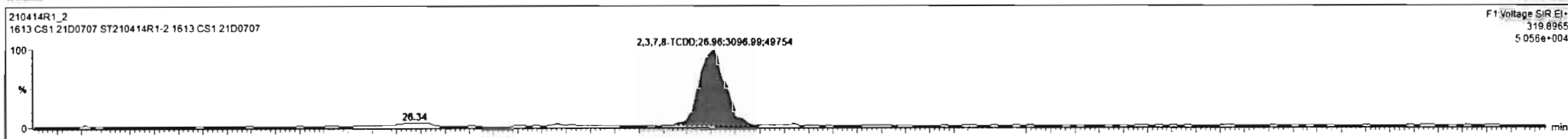
210414R1_2



210414R1_2



#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc.	%Dev	NRSD	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	0.0629
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	0.0663
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



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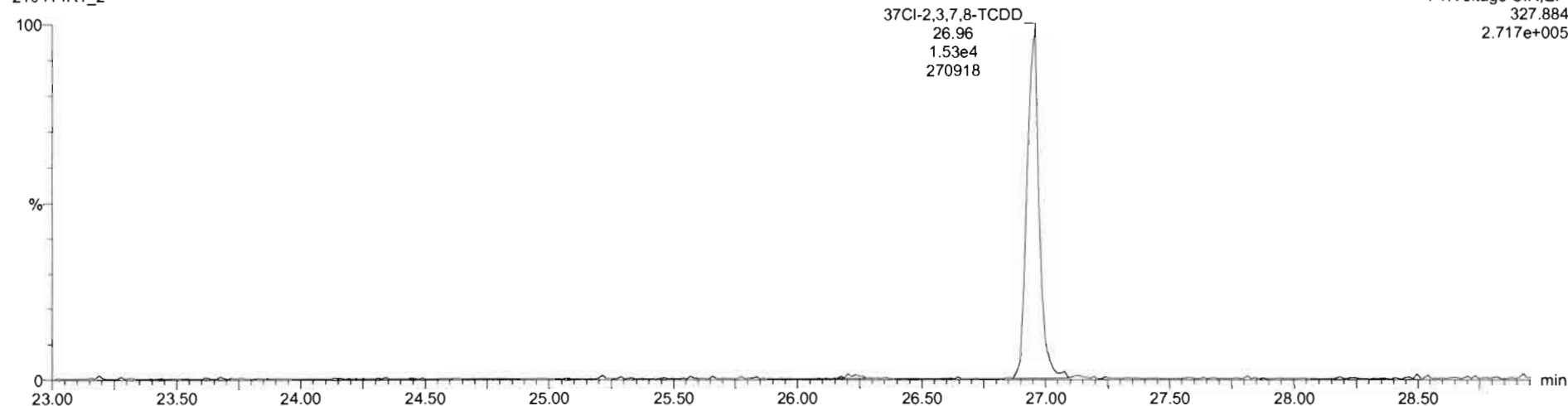
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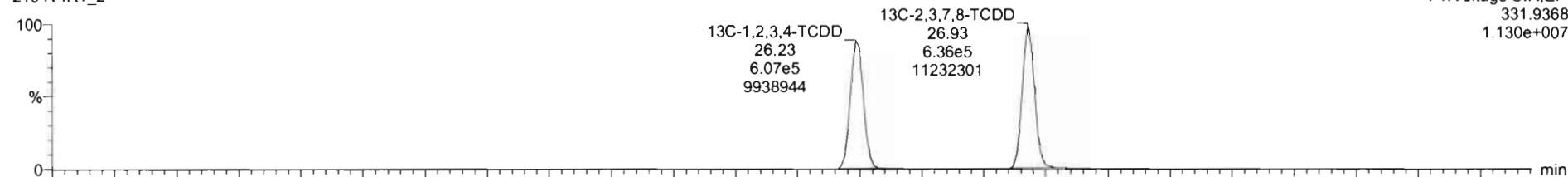
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210414R1_2

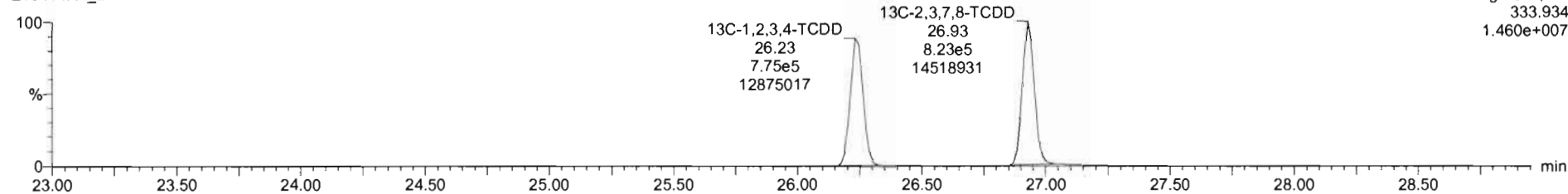


13C-1,2,3,4-TCDD

210414R1_2



210414R1_2



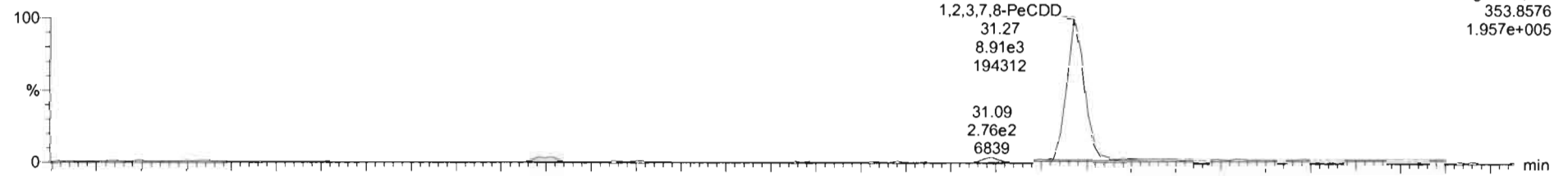
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

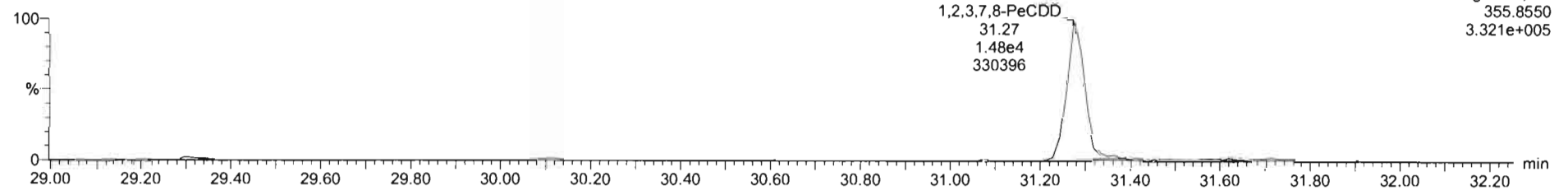
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1,2,3,7,8-PeCDD

210414R1_2

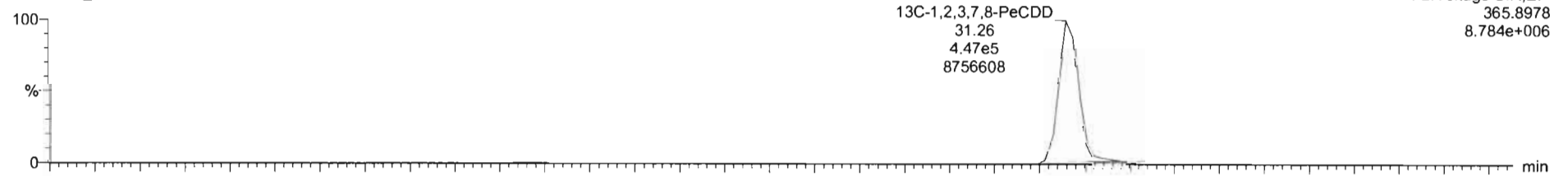


210414R1_2

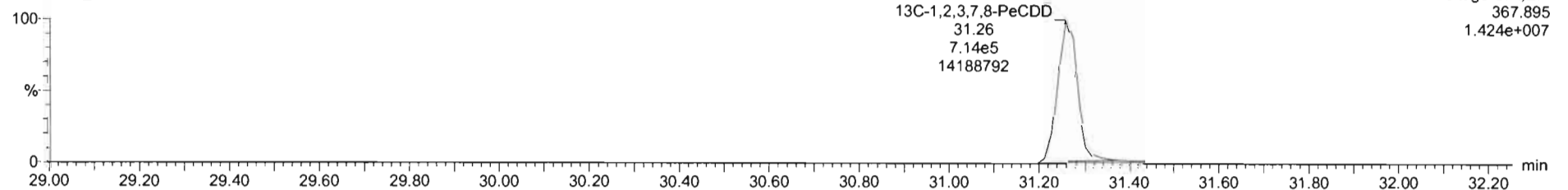


13C-1,2,3,7,8-PeCDD

210414R1_2



210414R1_2



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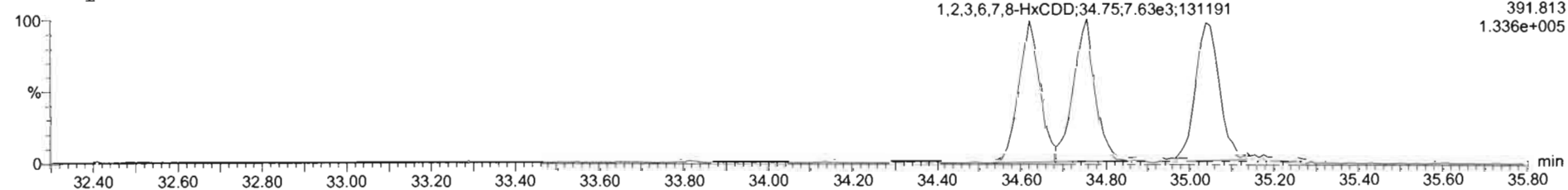
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1,2,3,4,7,8-HxCDD

210414R1_2

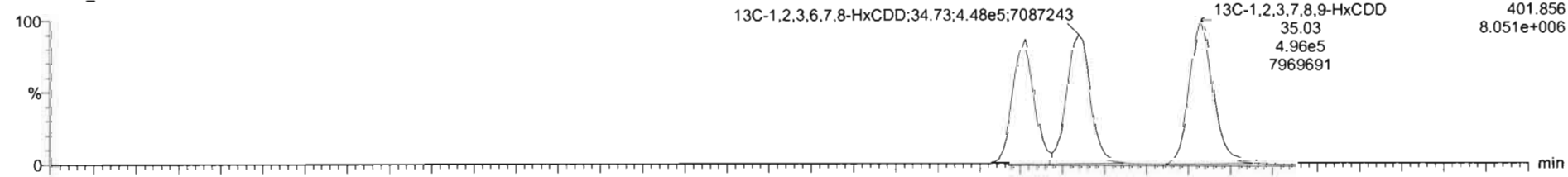


210414R1_2

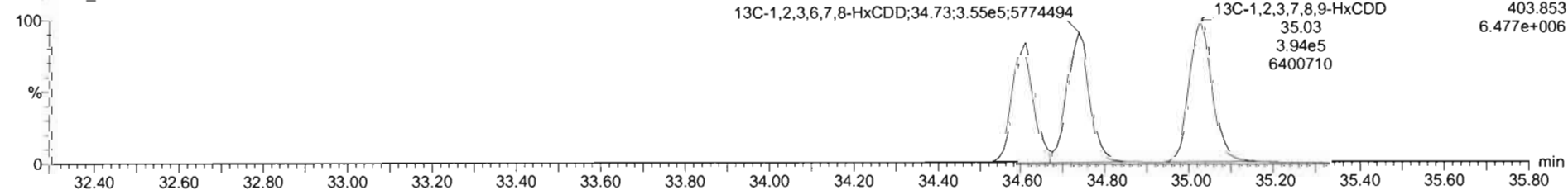


13C-1,2,3,4,7,8-HxCDD

210414R1_2



210414R1_2



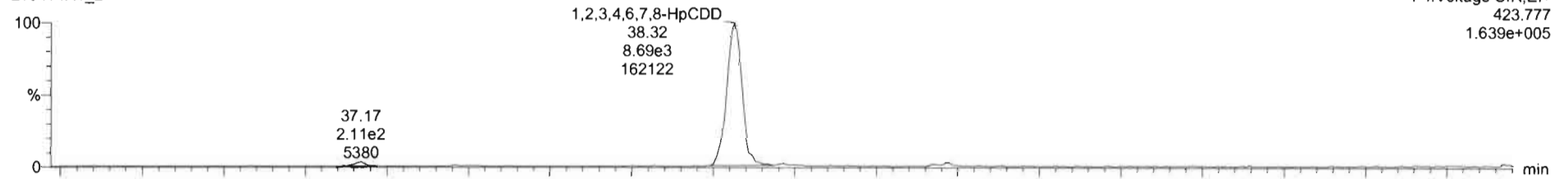
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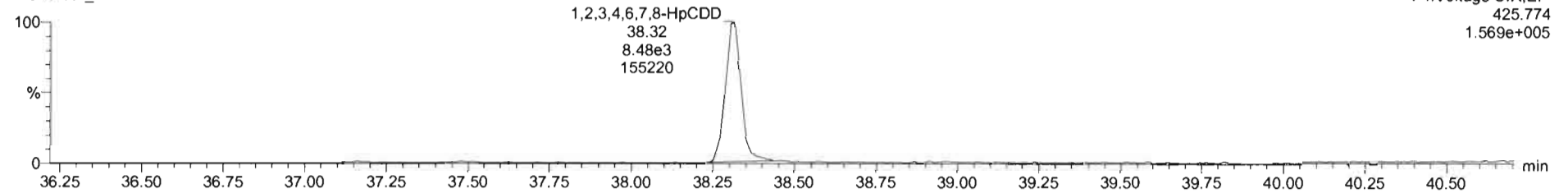
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1,2,3,4,6,7,8-HpCDD

210414R1_2

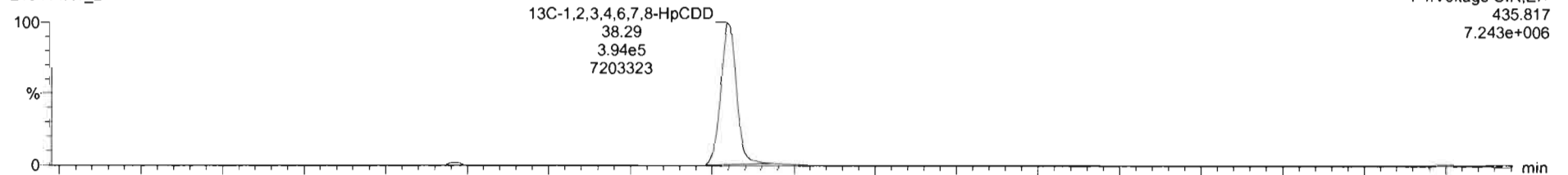


210414R1_2

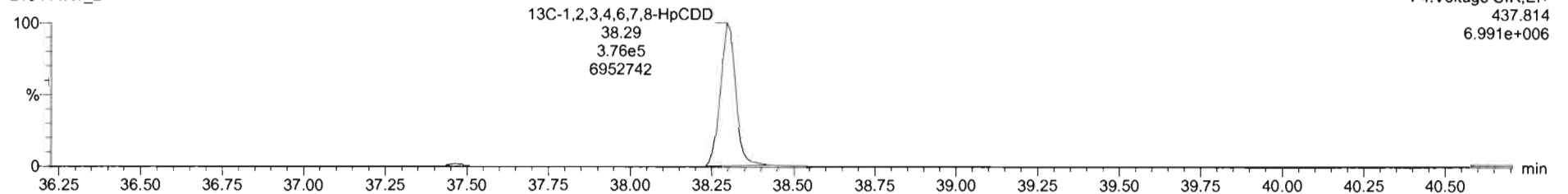


13C-1,2,3,4,6,7,8-HpCDD

210414R1_2



210414R1_2



Dataset: Untitled

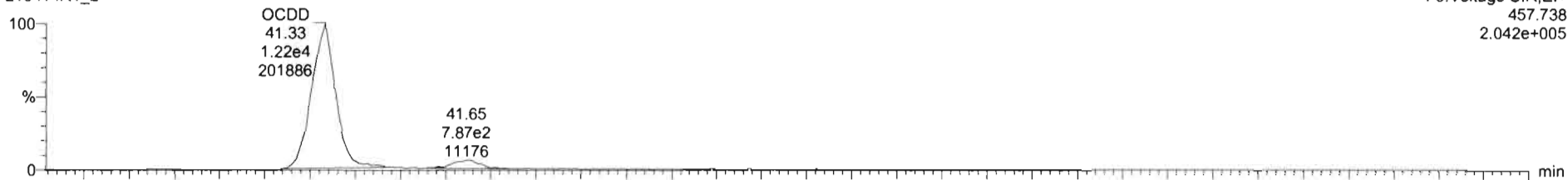
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OCDD

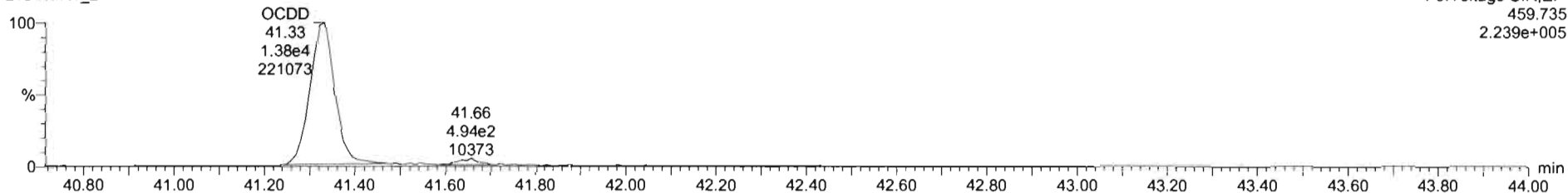
210414R1_2

F5:Voltage SIR,EI+
457.738
2.042e+005



210414R1_2

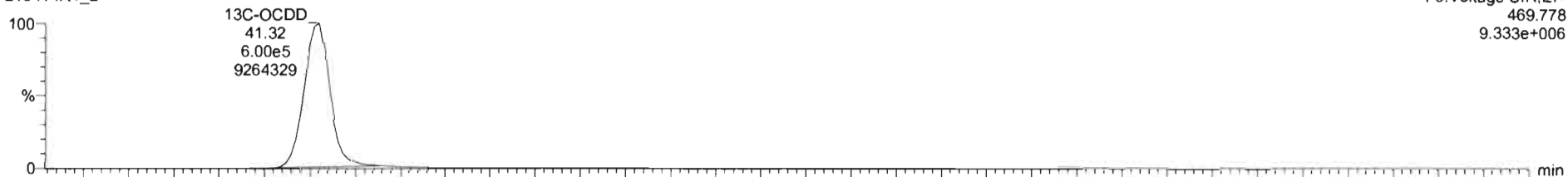
F5:Voltage SIR,EI+
459.735
2.239e+005



13C-OCDD

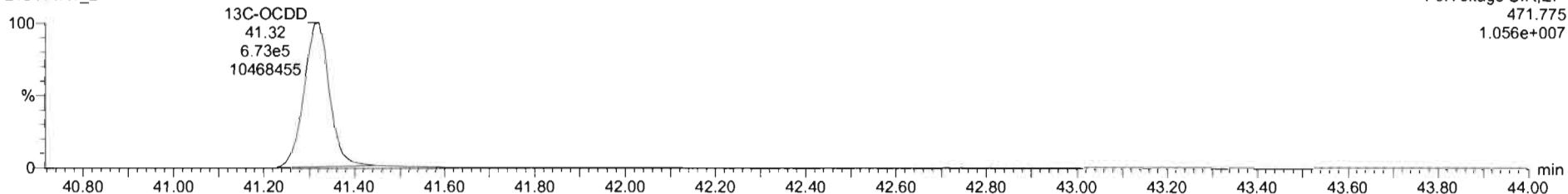
210414R1_2

F5:Voltage SIR,EI+
469.778
9.333e+006



210414R1_2

F5:Voltage SIR,EI+
471.775
1.056e+007



Dataset: Untitled

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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

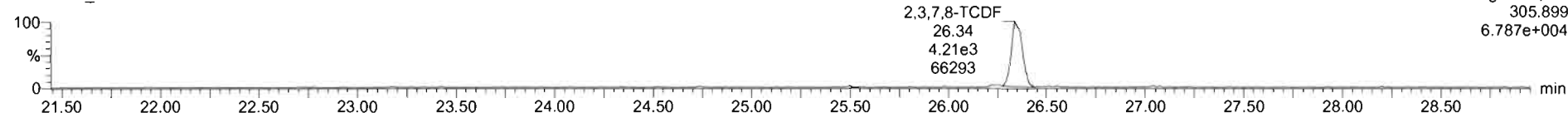
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2,3,7,8-TCDF

210414R1_2

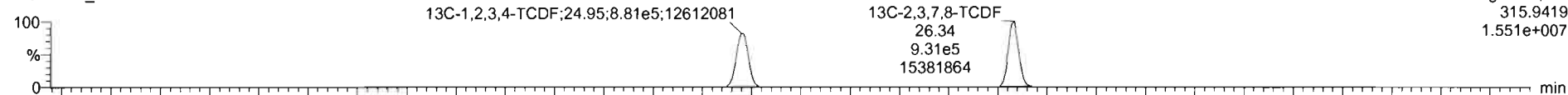


210414R1_2

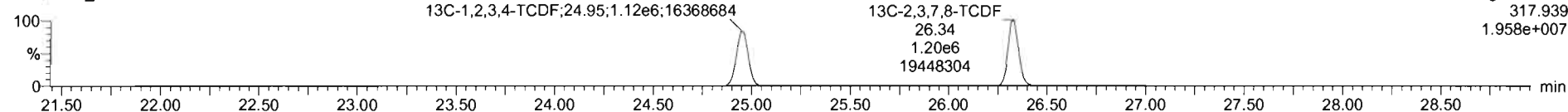


13C-2,3,7,8-TCDF

210414R1_2

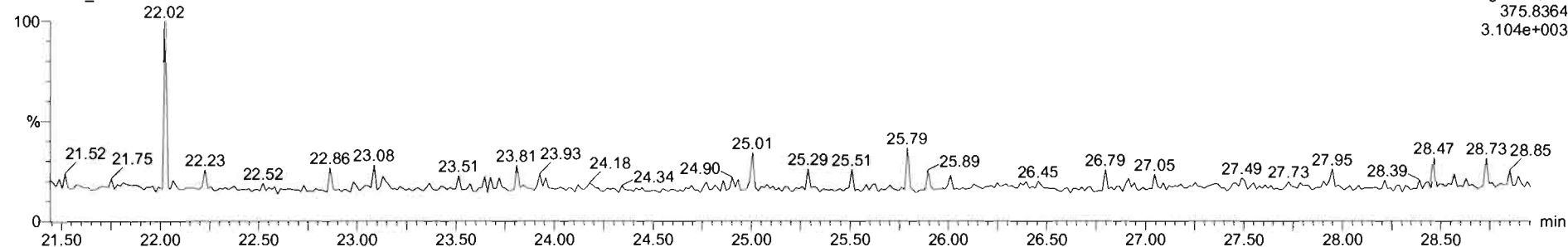


210414R1_2

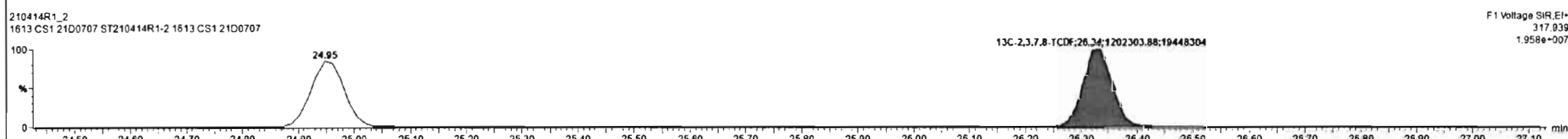
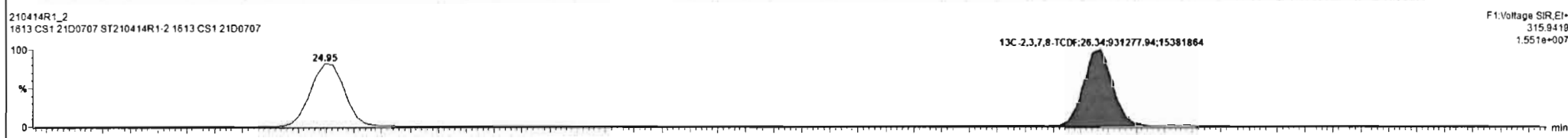
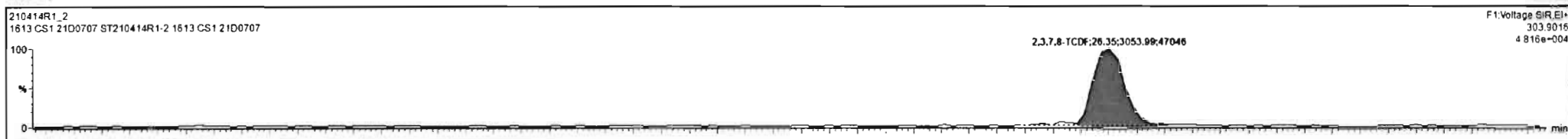


DPE1

210414R1_2



#	Name	RT	RA	yth	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	1.4567e6	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	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	0.0693
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	8.41	0.973	0.0818



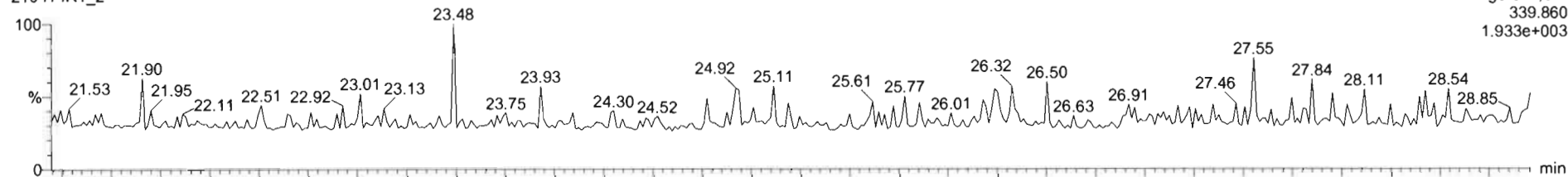
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

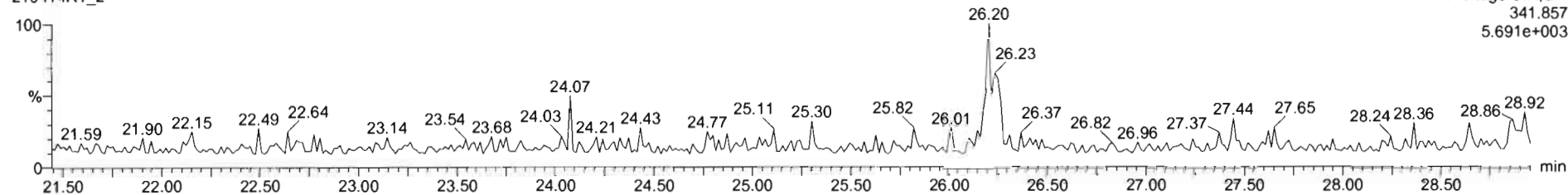
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1st Func. Penta-Furans

210414R1_2

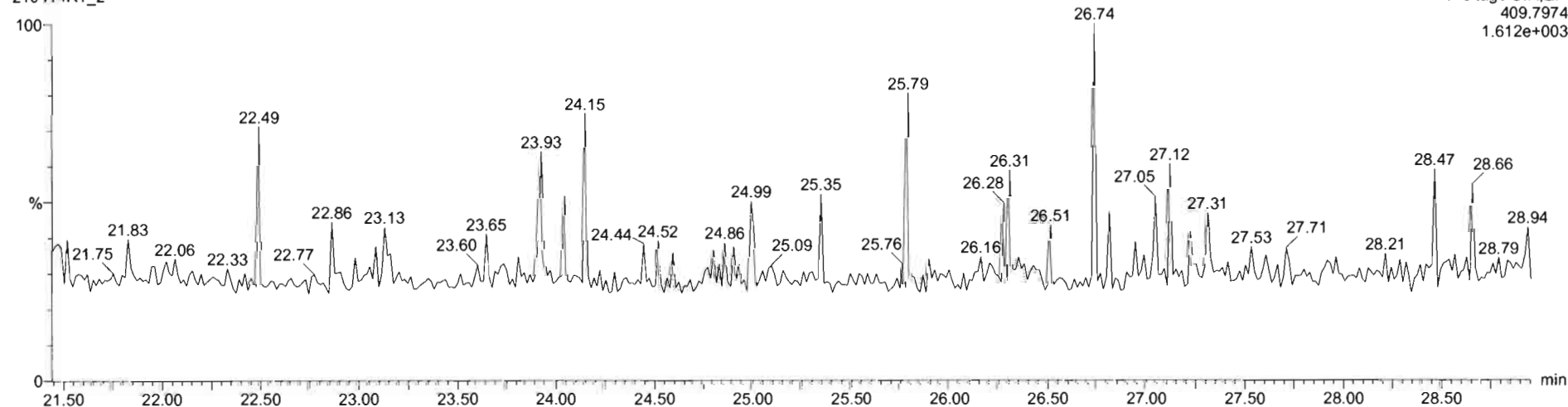


210414R1_2



DPE6

210414R1_2



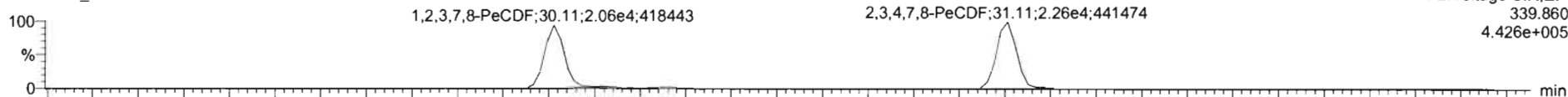
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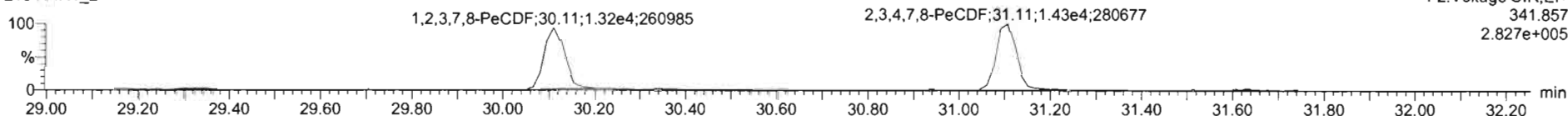
1,2,3,7,8-PeCDF

210414R1_2



F2:Voltage SIR,EI+
339.860
4.426e+005

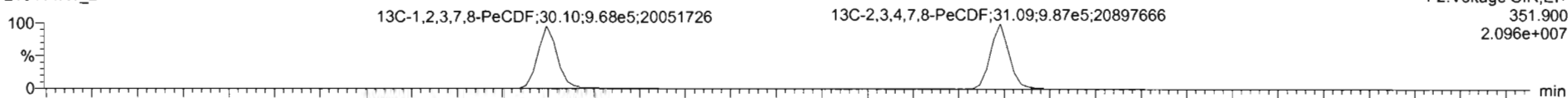
210414R1_2



F2:Voltage SIR,EI+
341.857
2.827e+005

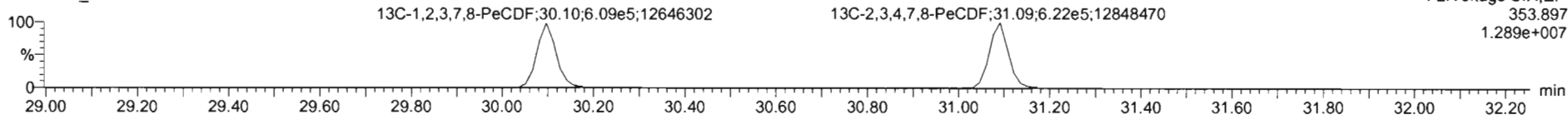
13C-1,2,3,7,8-PeCDF

210414R1_2



F2:Voltage SIR,EI+
351.900
2.096e+007

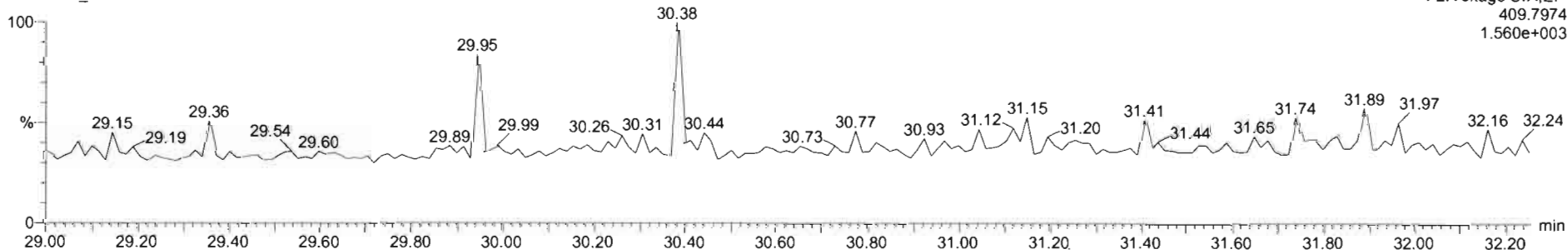
210414R1_2



F2:Voltage SIR,EI+
353.897
1.289e+007

DPE2

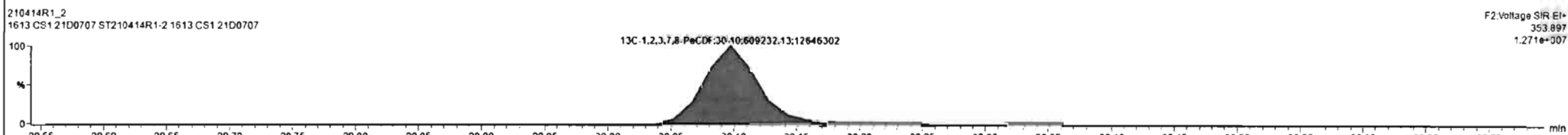
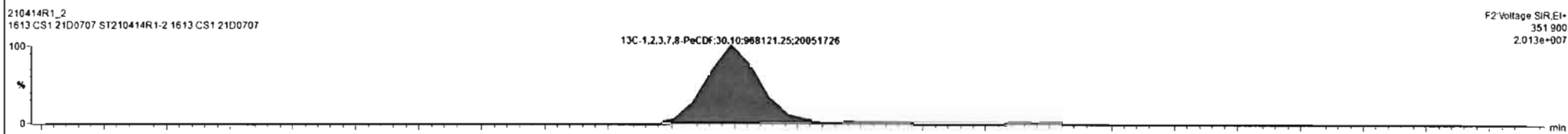
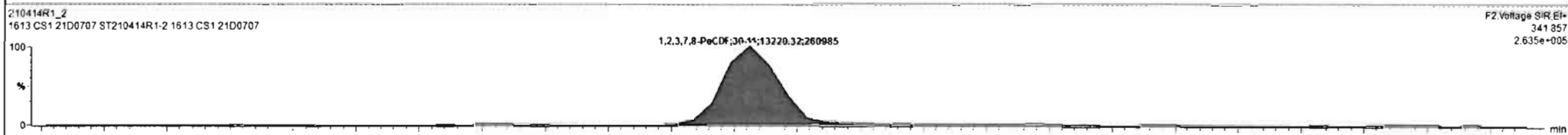
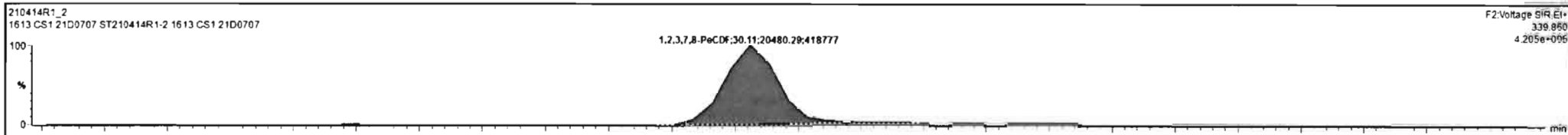
210414R1_2



F2:Voltage SIR,EI+
409.7974
1.560e+003

210414R1_2 ST210414R1-2 1613 CS1 21D0707 - 1613 CS1 21D0707

#	Name	RT	RA	Yth	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



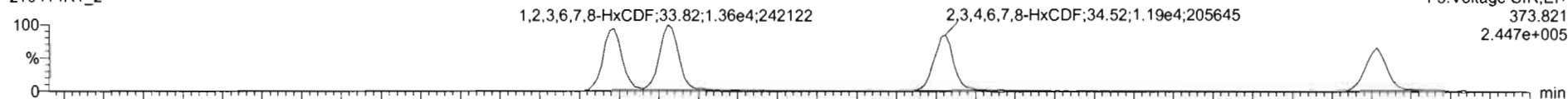
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

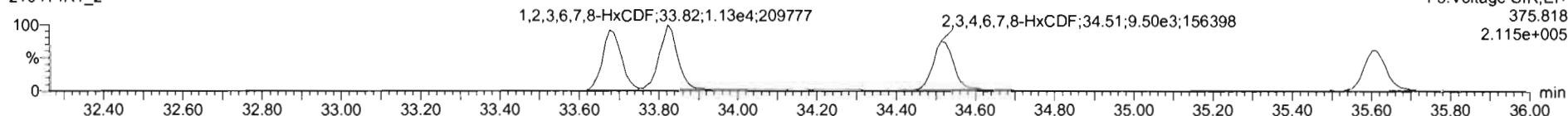
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1,2,3,4,7,8-HxCDF

210414R1_2

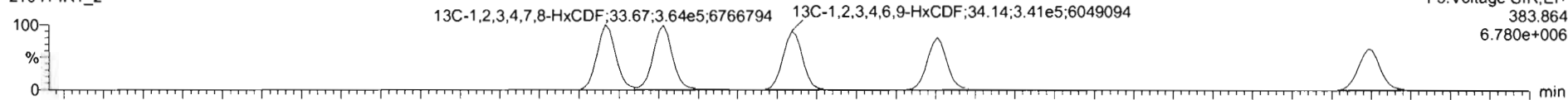


210414R1_2

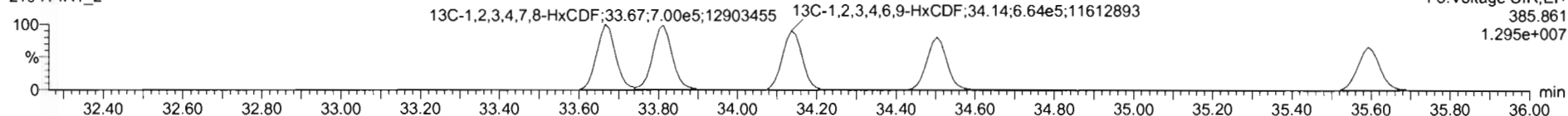


13C-1,2,3,4,7,8-HxCDF

210414R1_2

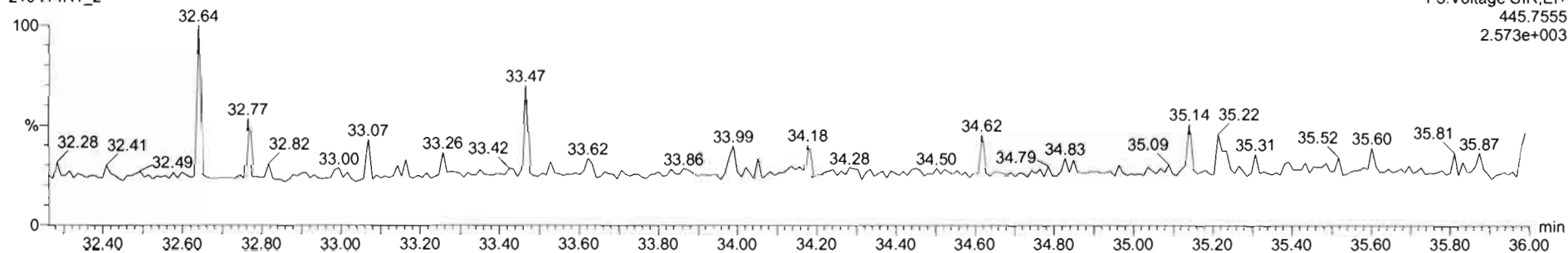


210414R1_2

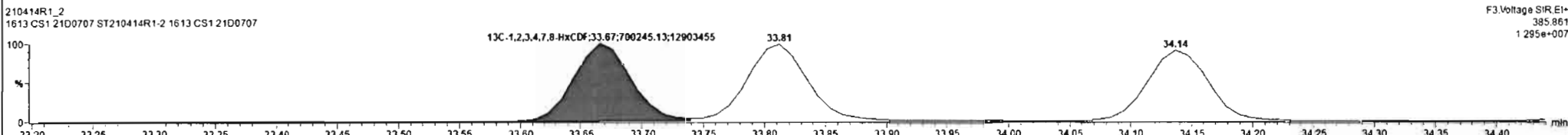
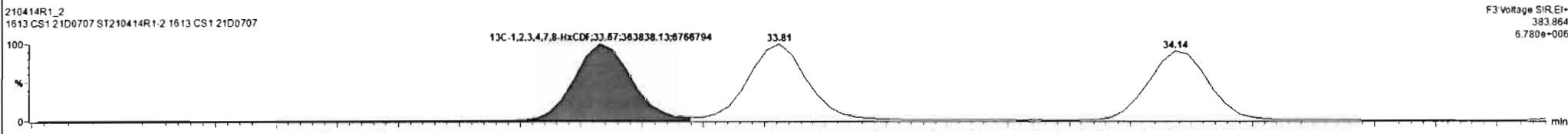
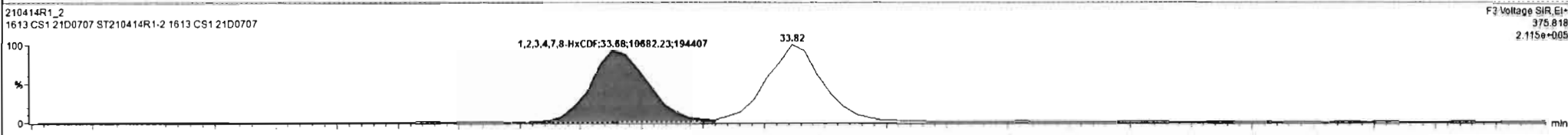
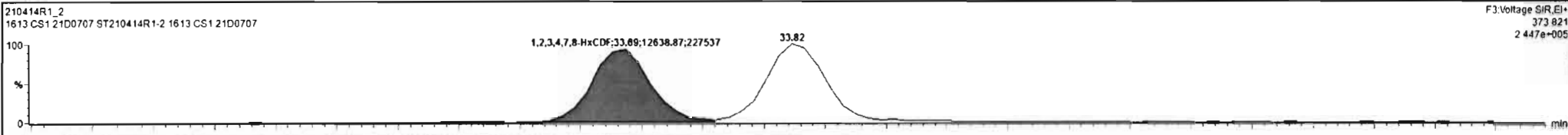


DPE3

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

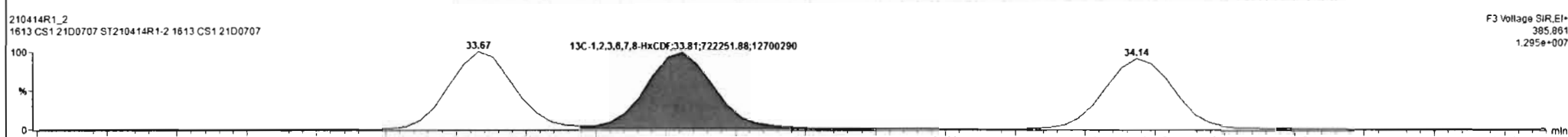
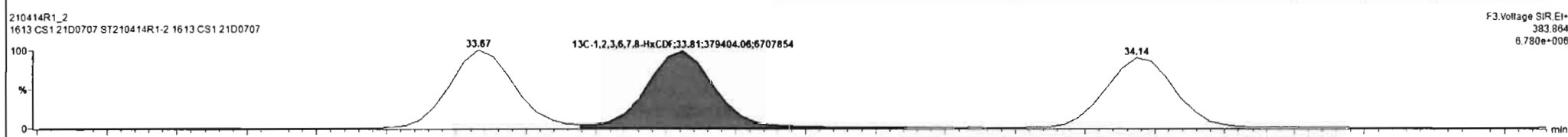
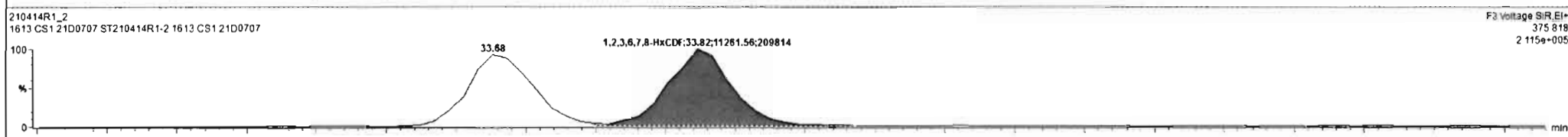
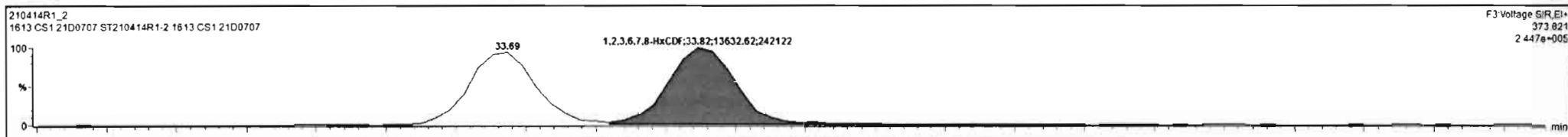


TargetLynx - 210414R1_CNV.qtd - [Chromatogram]

File Edit View Display Processing Window Help

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	7.78	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

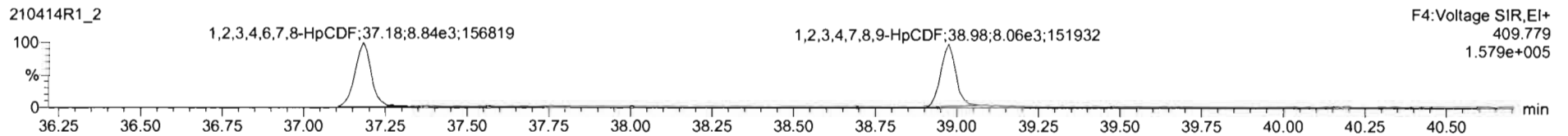
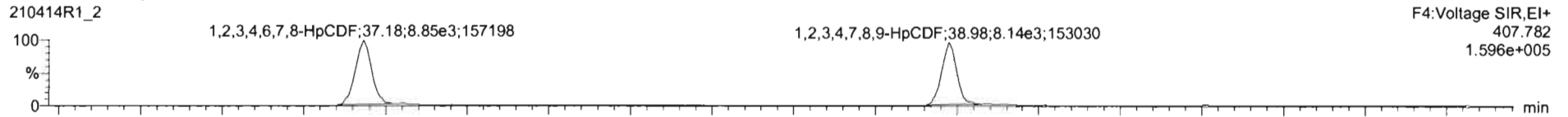
CAP NUM

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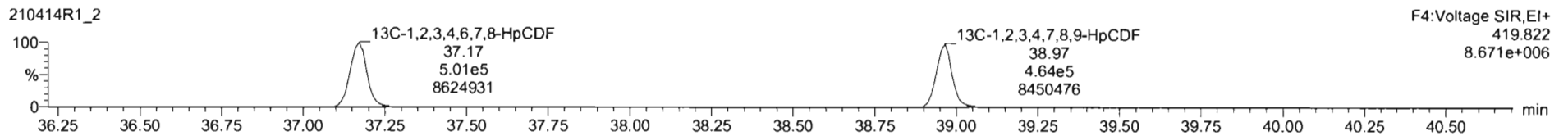
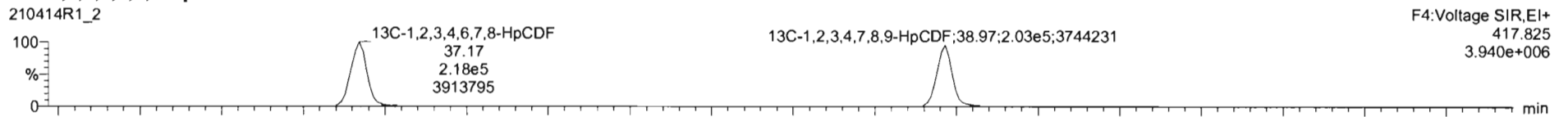
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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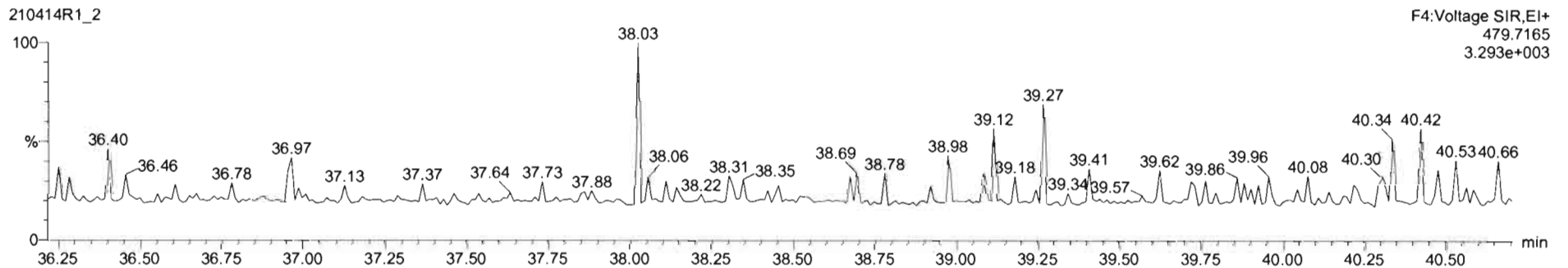
1,2,3,4,6,7,8-HpCDF



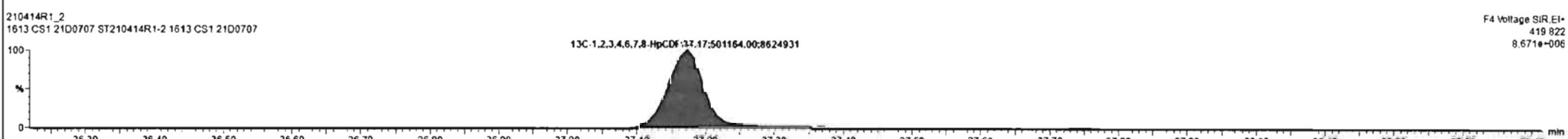
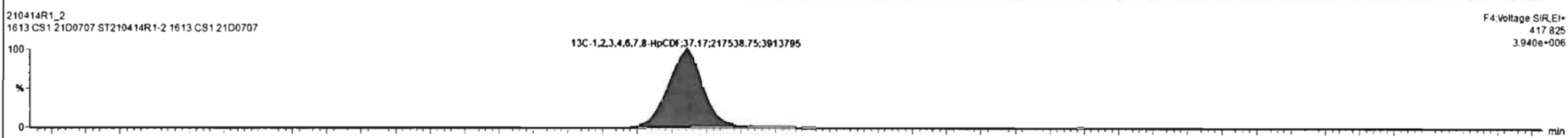
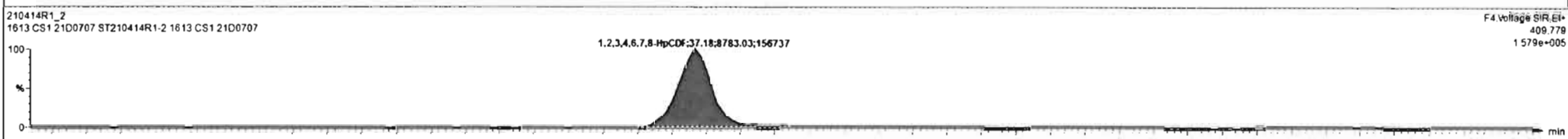
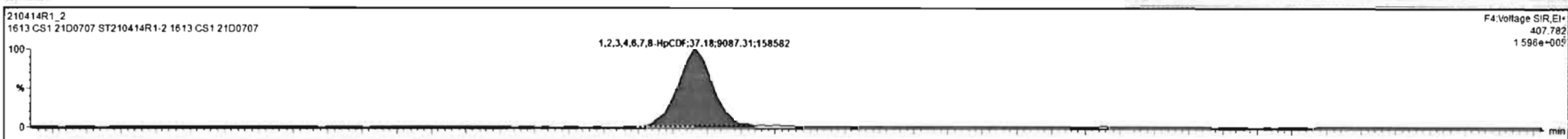
13C-1,2,3,4,6,7,8-HpCDF



DPE4



#	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

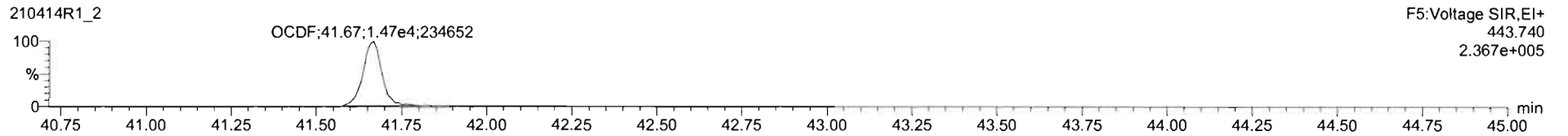
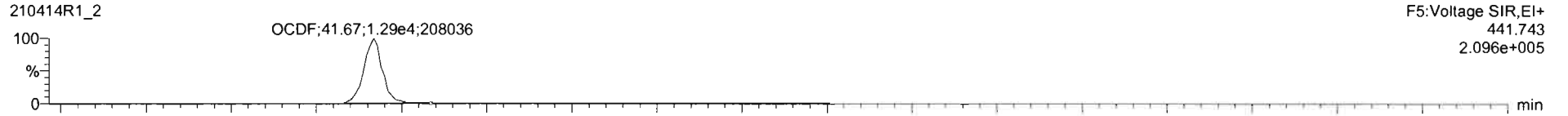


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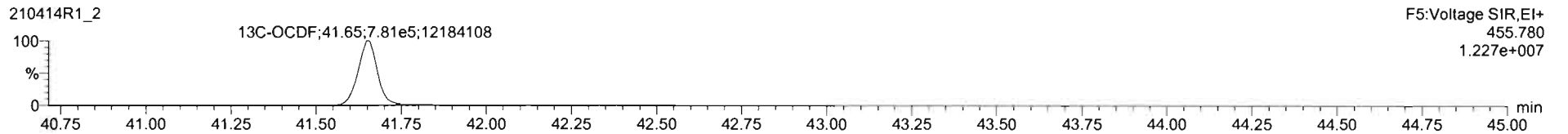
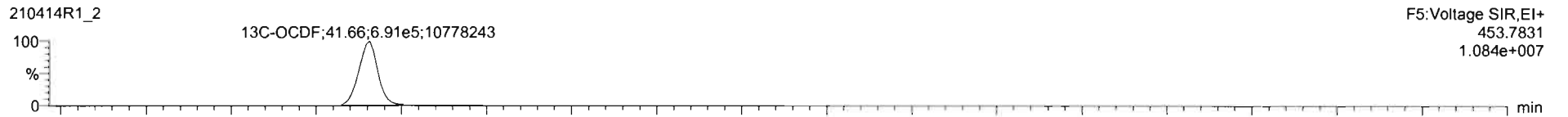
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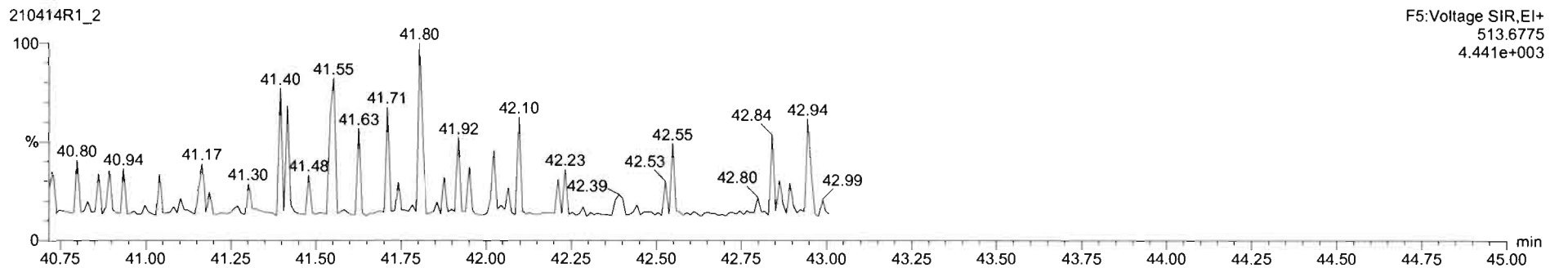
OCDF



13C-OCDF



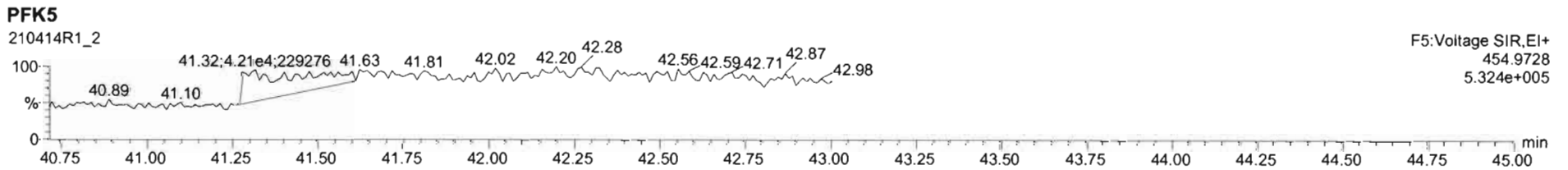
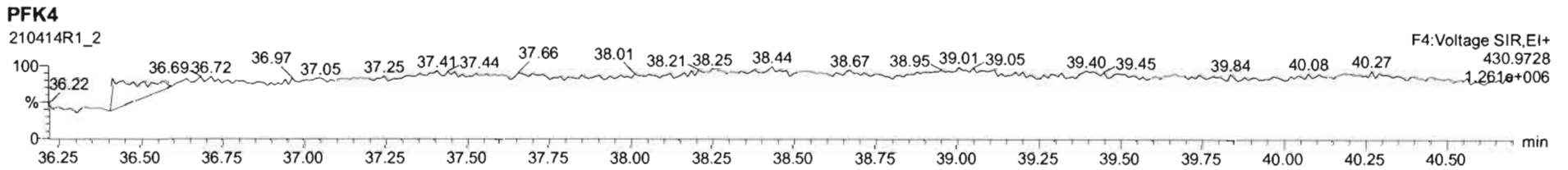
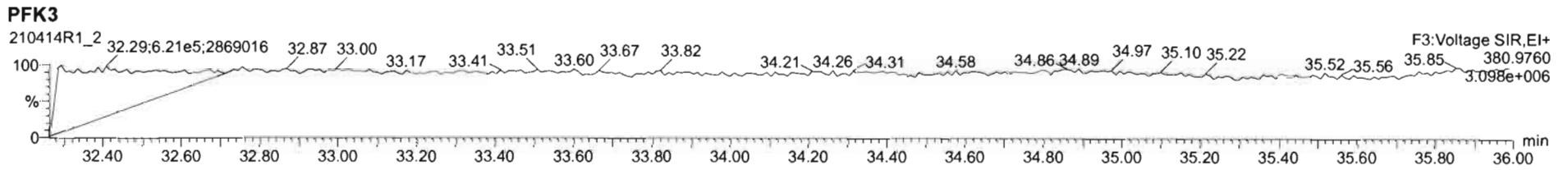
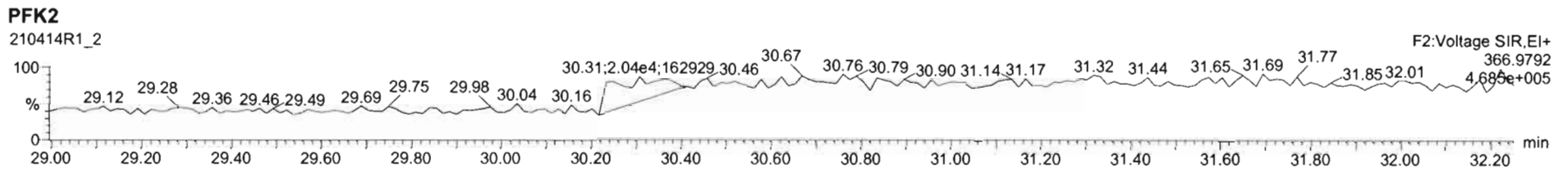
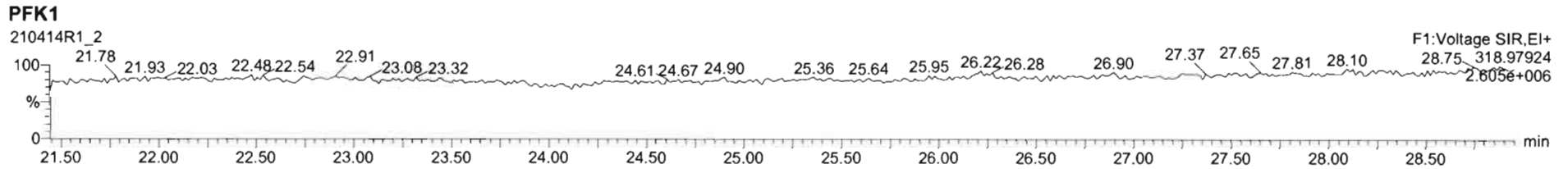
DPE5



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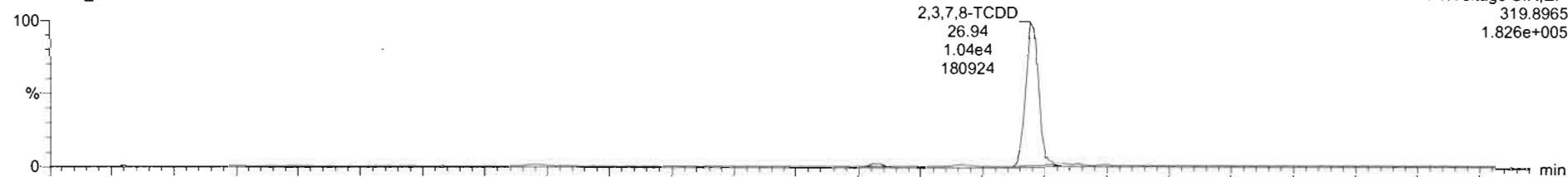
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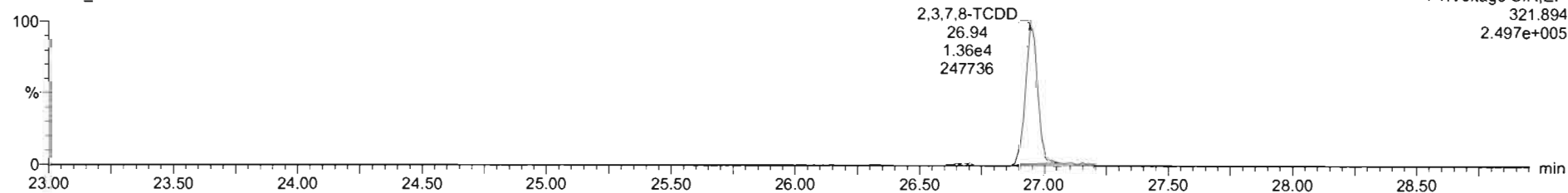
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2,3,7,8-TCDD

210414R1_3

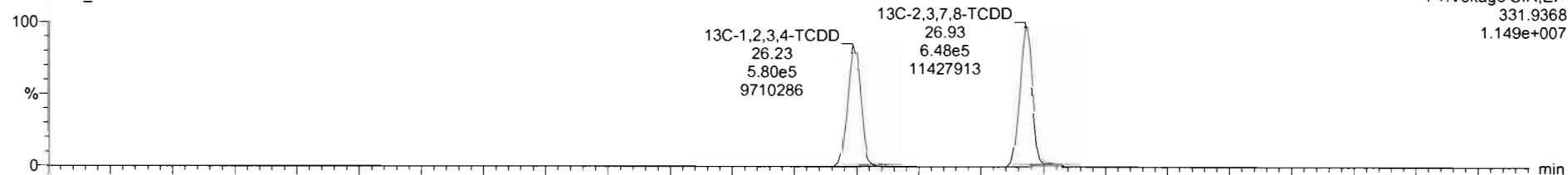


210414R1_3

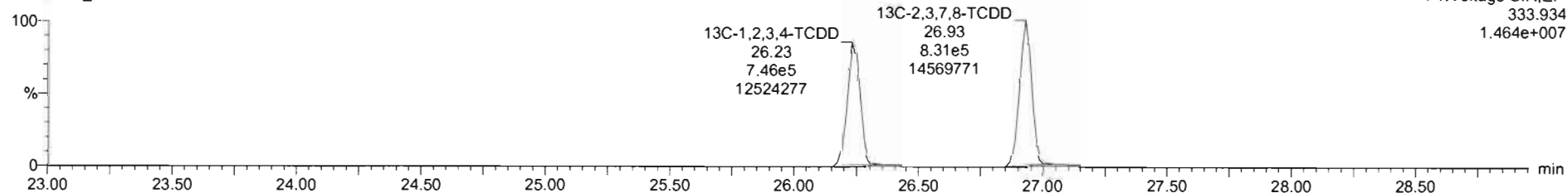


13C-2,3,7,8-TCDD

210414R1_3



210414R1_3



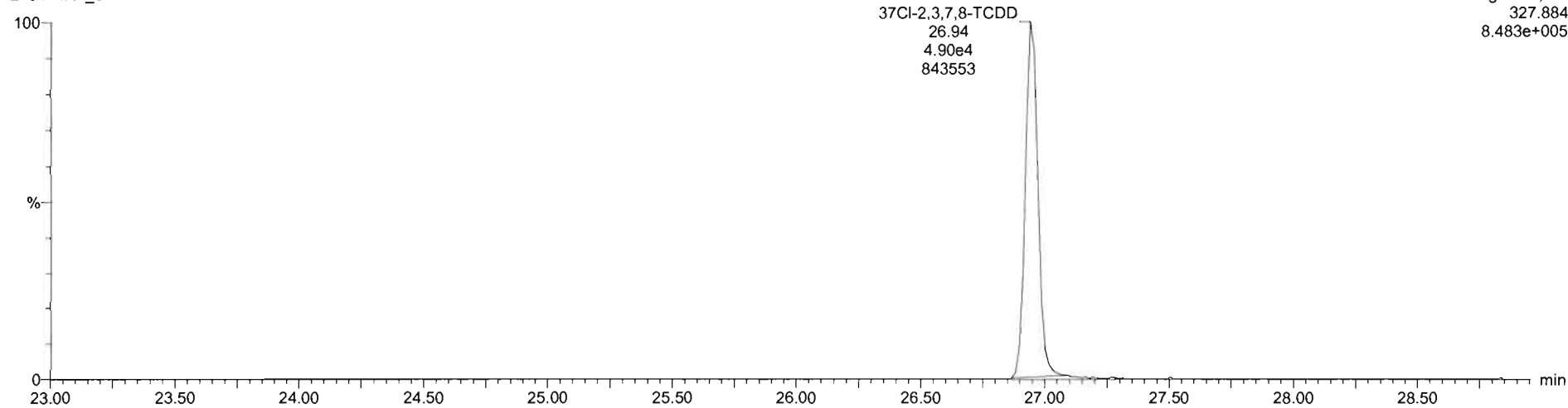
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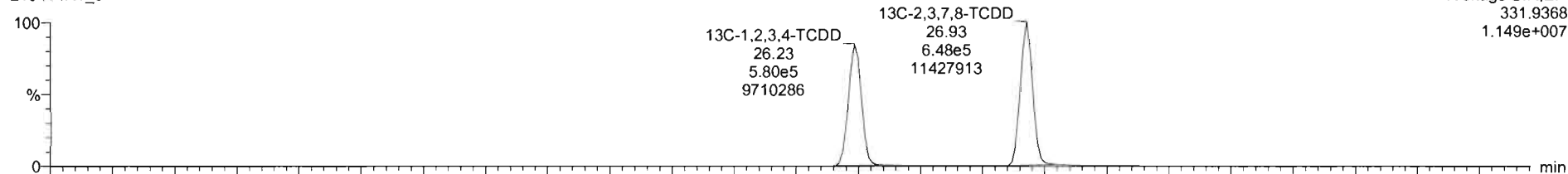
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210414R1_3

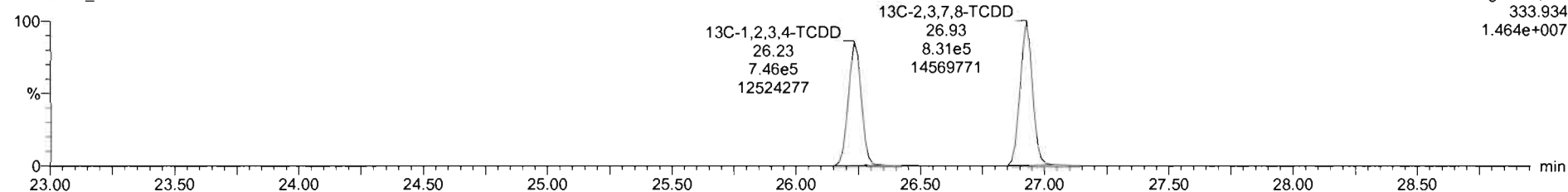


13C-1,2,3,4-TCDD

210414R1_3



210414R1_3



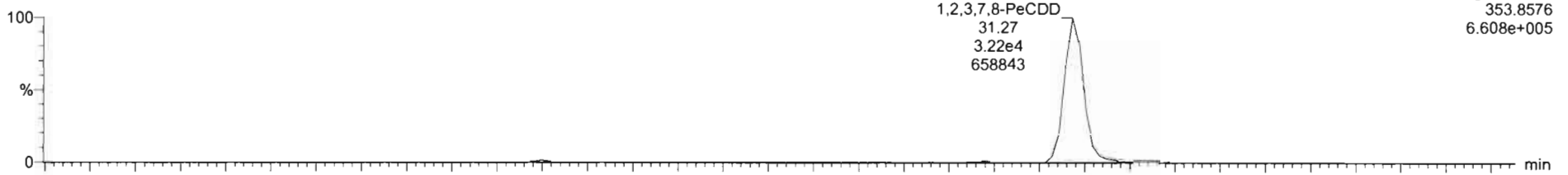
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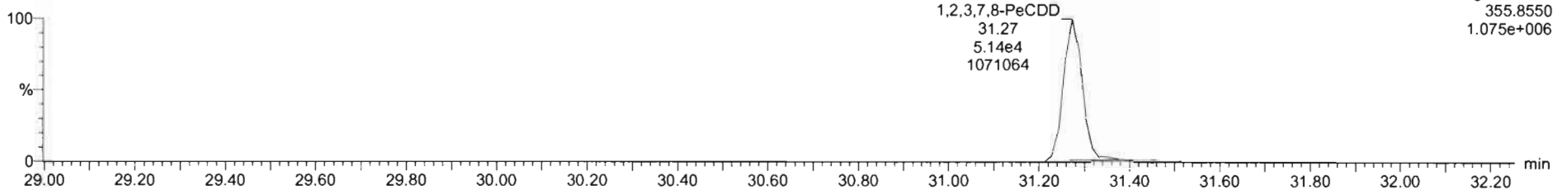
1,2,3,7,8-PeCDD

210414R1_3



F2:Voltage SIR,EI+
353.8576
6.608e+005

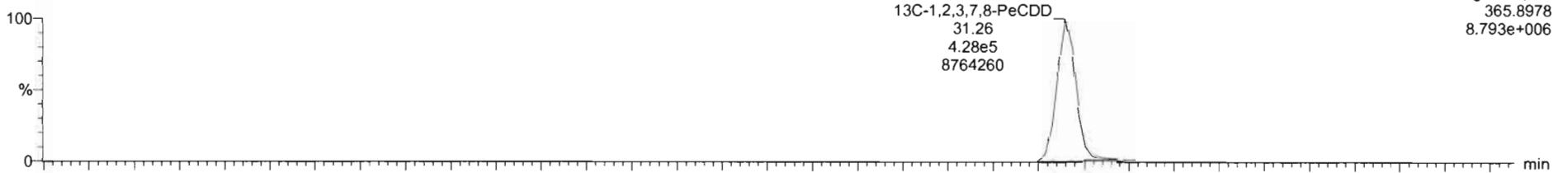
210414R1_3



F2:Voltage SIR,EI+
355.8550
1.075e+006

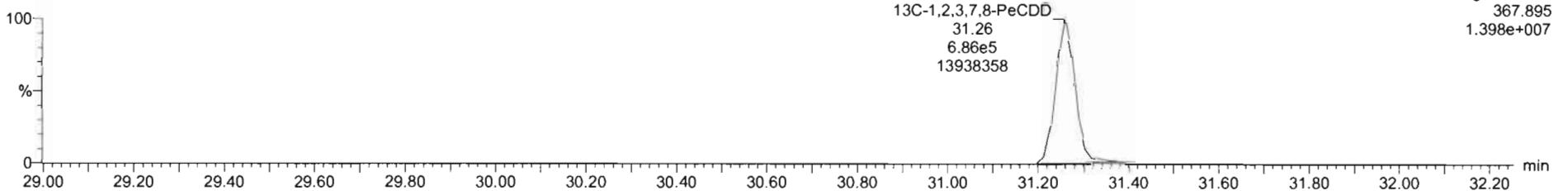
13C-1,2,3,7,8-PeCDD

210414R1_3



F2:Voltage SIR,EI+
365.8978
8.793e+006

210414R1_3



F2:Voltage SIR,EI+
367.895
1.398e+007

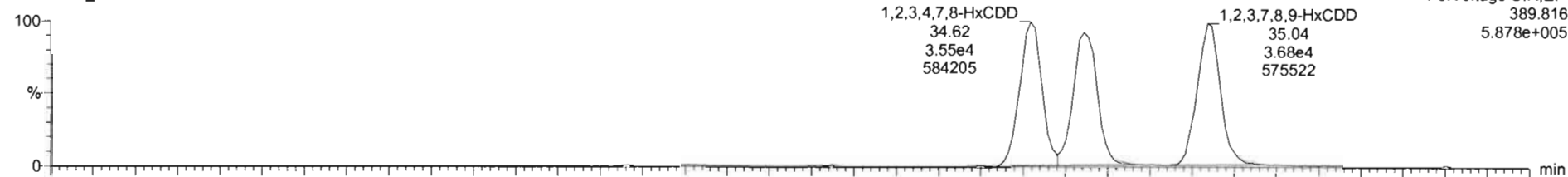
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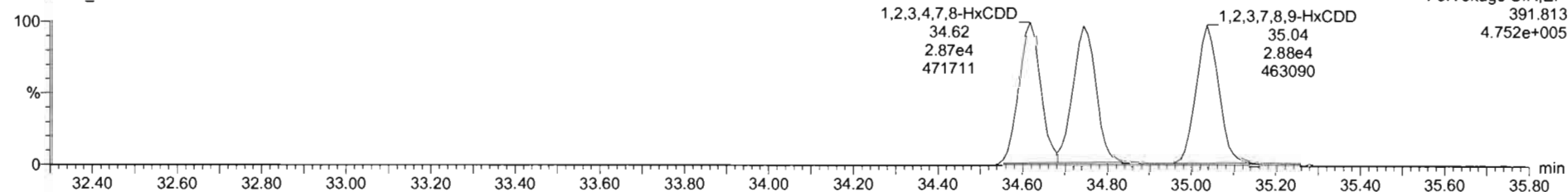
1,2,3,4,7,8-HxCDD

210414R1_3



F3:Voltage SIR,EI+
389.816
5.878e+005

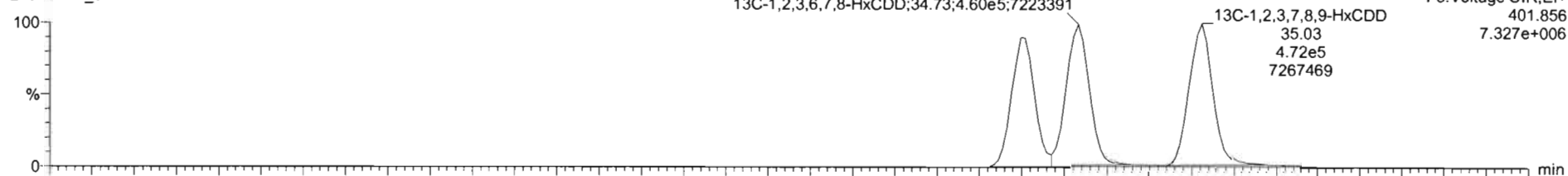
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F3:Voltage SIR,EI+
391.813
4.752e+005

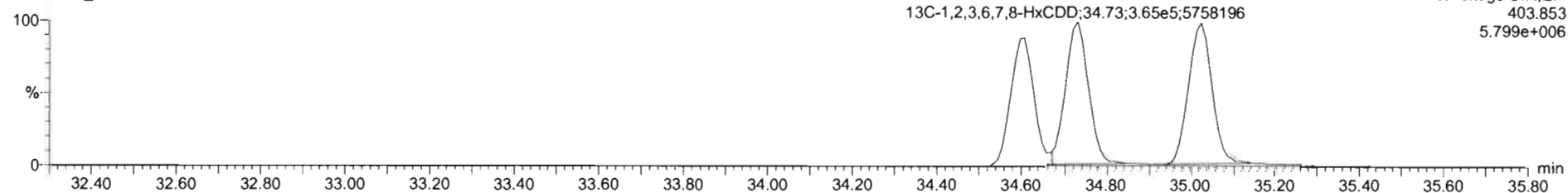
13C-1,2,3,4,7,8-HxCDD

210414R1_3



F3:Voltage SIR,EI+
401.856
7.327e+006

210414R1_3



F3:Voltage SIR,EI+
403.853
5.799e+006

Dataset: Untitled

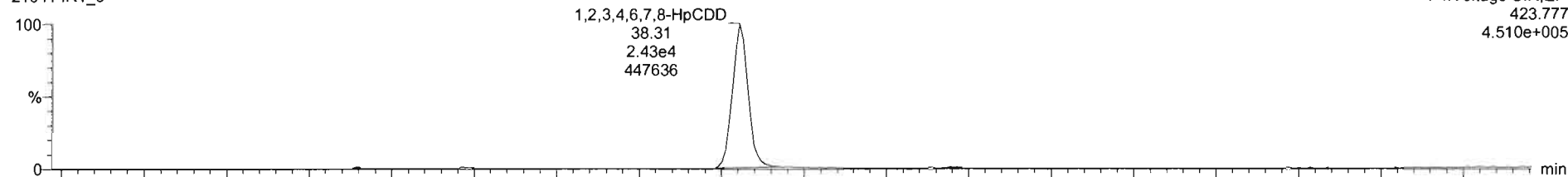
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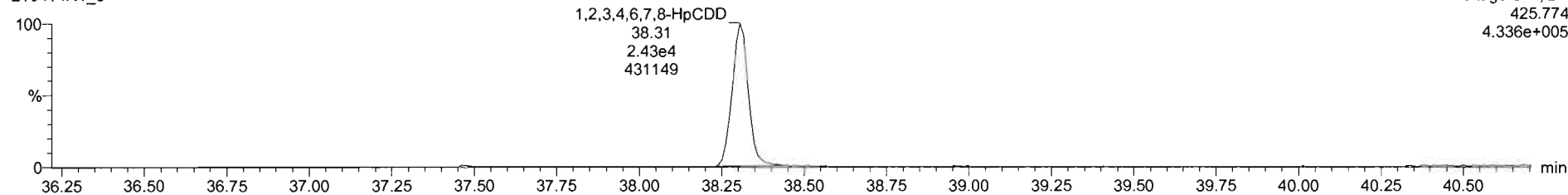
1,2,3,4,6,7,8-HpCDD

210414R1_3



F4:Voltage SIR,EI+
423.777
4.510e+005

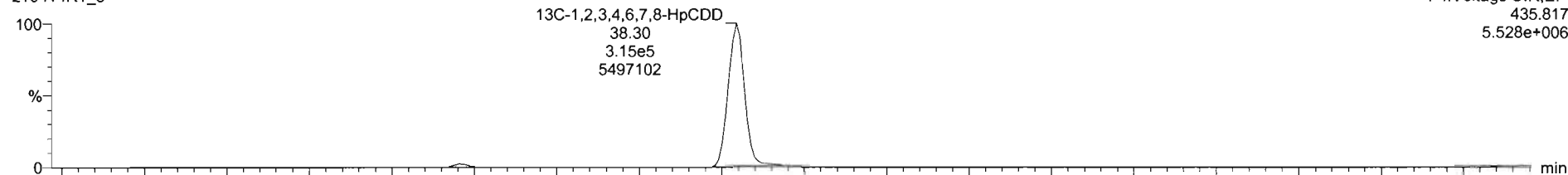
210414R1_3



F4:Voltage SIR,EI+
425.774
4.336e+005

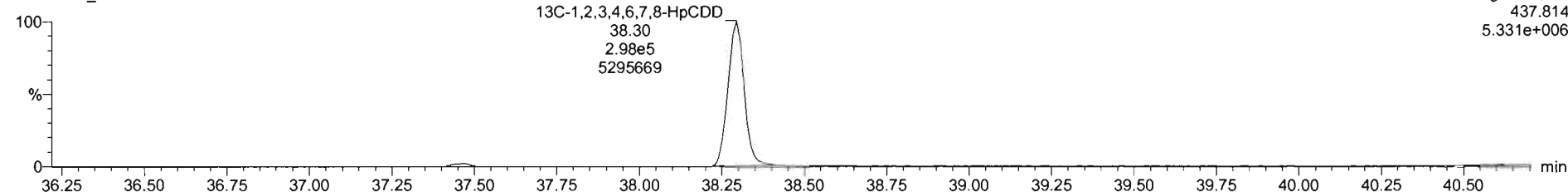
13C-1,2,3,4,6,7,8-HpCDD

210414R1_3



F4:Voltage SIR,EI+
435.817
5.528e+006

210414R1_3



F4:Voltage SIR,EI+
437.814
5.331e+006

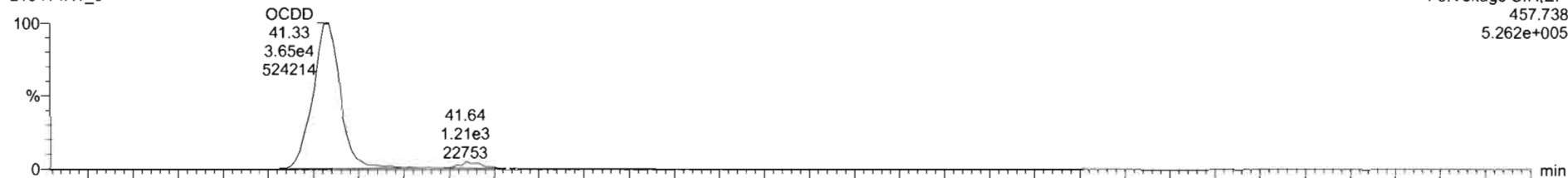
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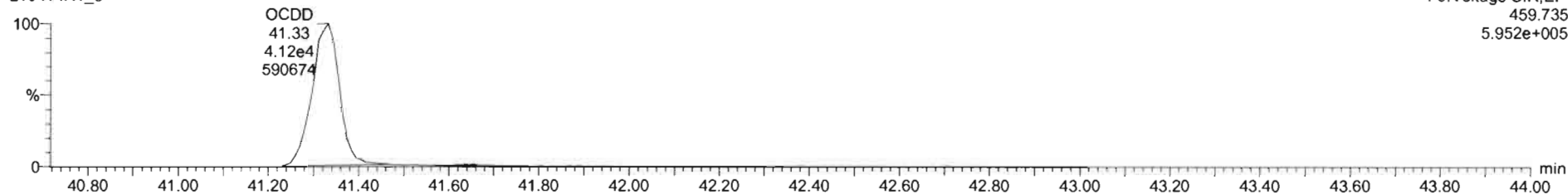
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OCDD

210414R1_3

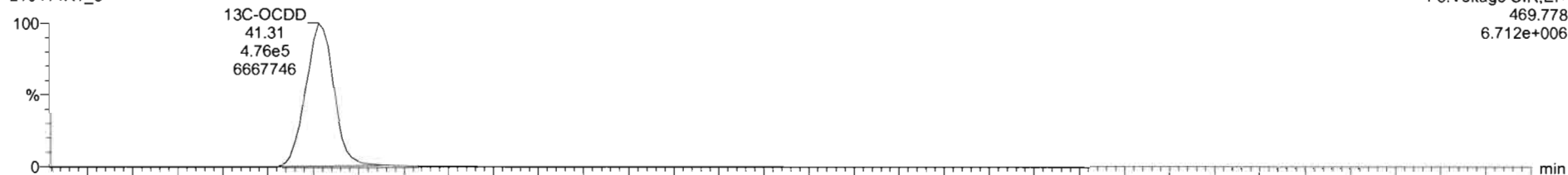


210414R1_3

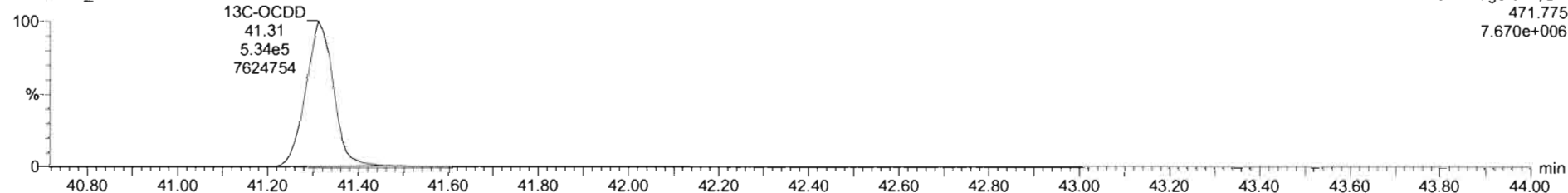


13C-OCDD

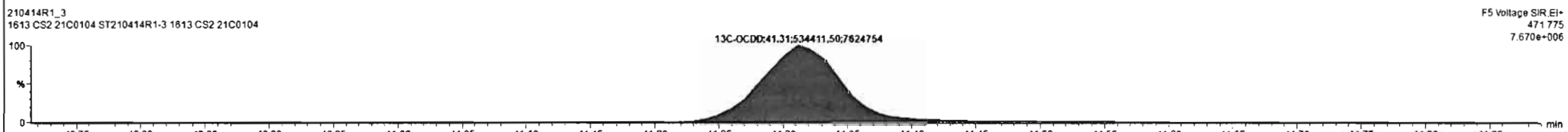
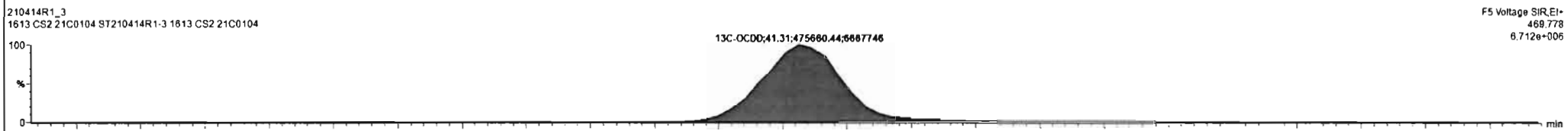
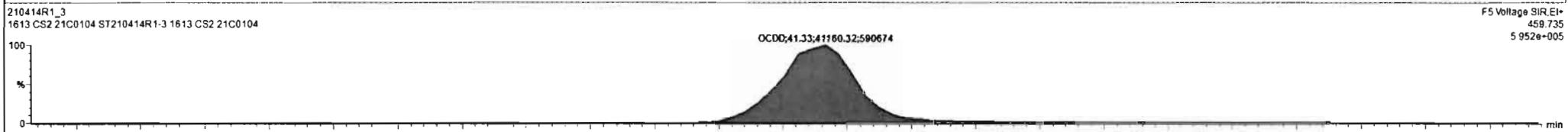
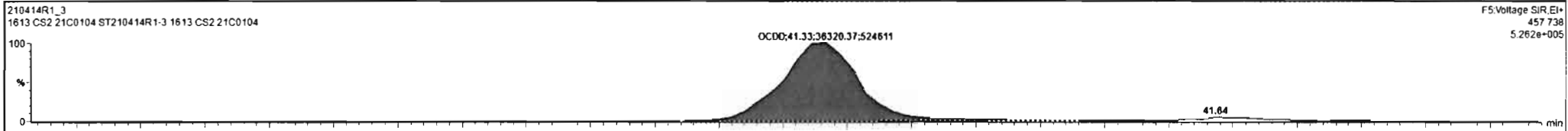
210414R1_3



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

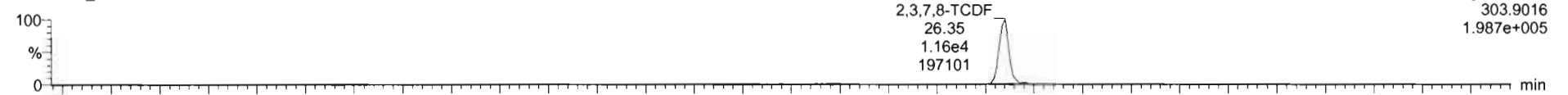
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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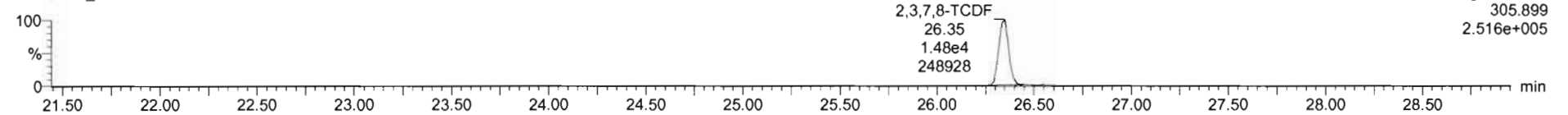
2,3,7,8-TCDF

210414R1_3



F1:Voltage SIR,EI+
303.9016
1.987e+005

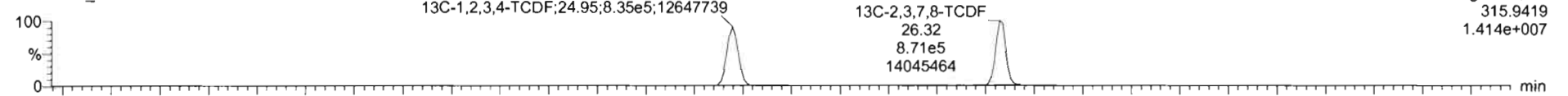
210414R1_3



F1:Voltage SIR,EI+
305.899
2.516e+005

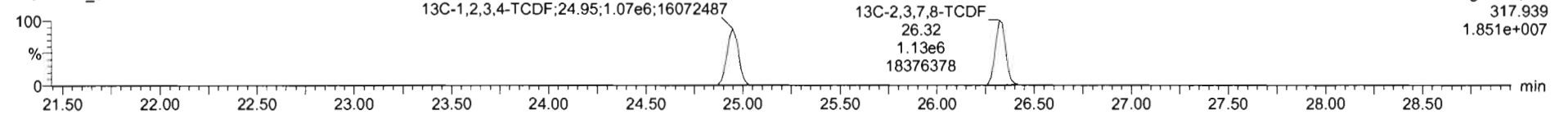
13C-2,3,7,8-TCDF

210414R1_3



F1:Voltage SIR,EI+
315.9419
1.414e+007

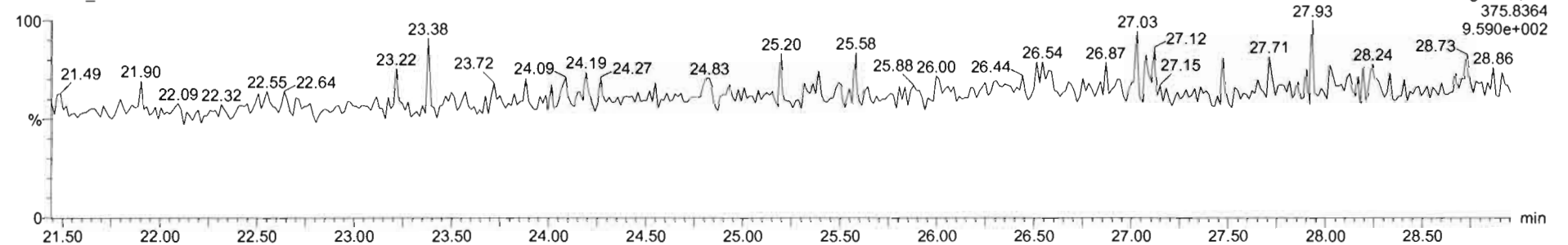
210414R1_3



F1:Voltage SIR,EI+
317.939
1.851e+007

DPE1

210414R1_3



F1:Voltage SIR,EI+
375.8364
9.590e+002

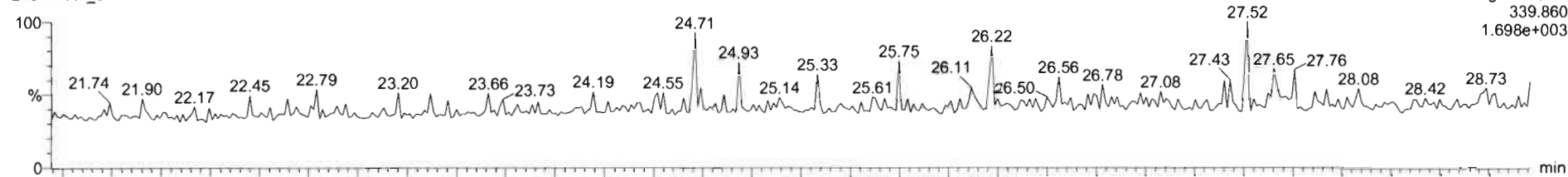
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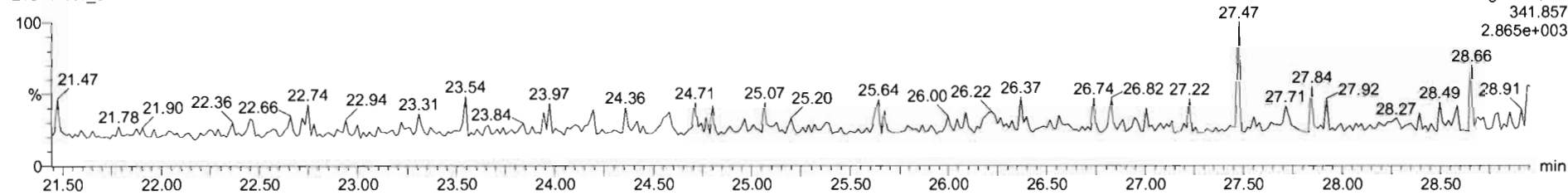
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1st Func. Penta-Furans

210414R1_3

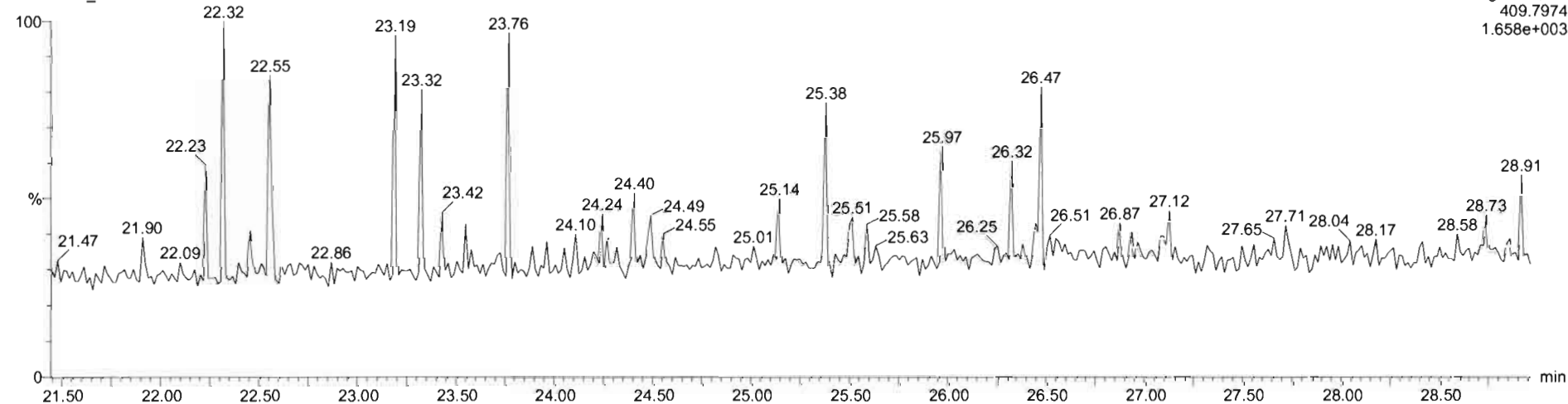


210414R1_3



DPE6

210414R1_3



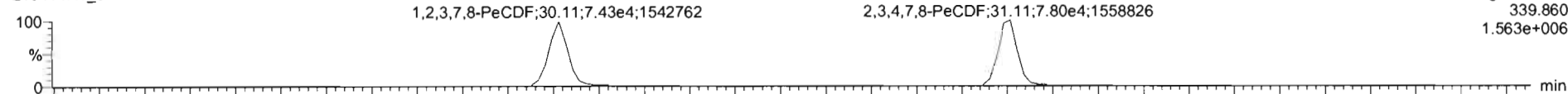
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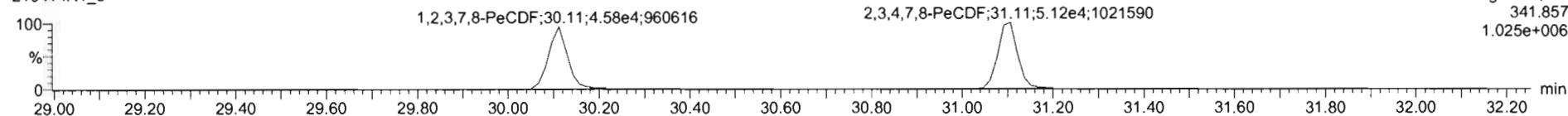
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1,2,3,7,8-PeCDF

210414R1_3

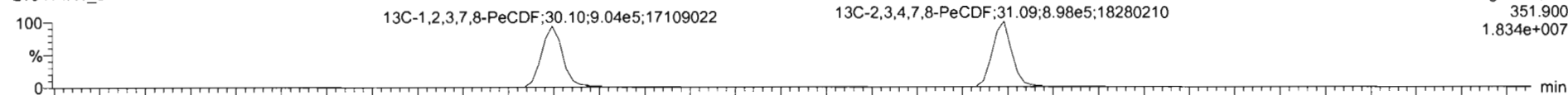


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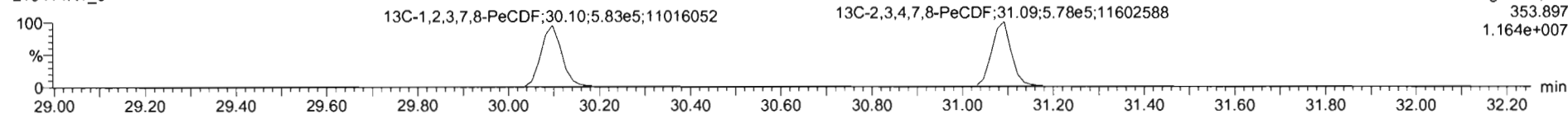


13C-1,2,3,7,8-PeCDF

210414R1_3

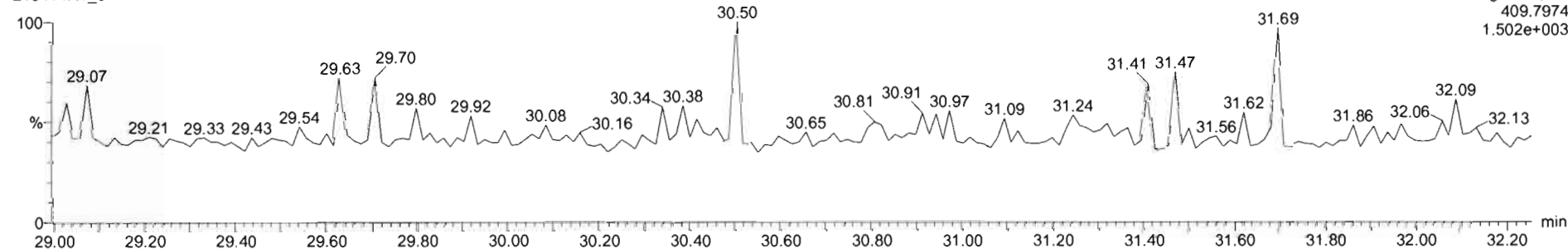


210414R1_3



DPE2

210414R1_3



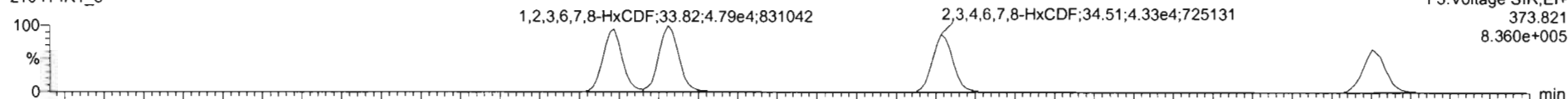
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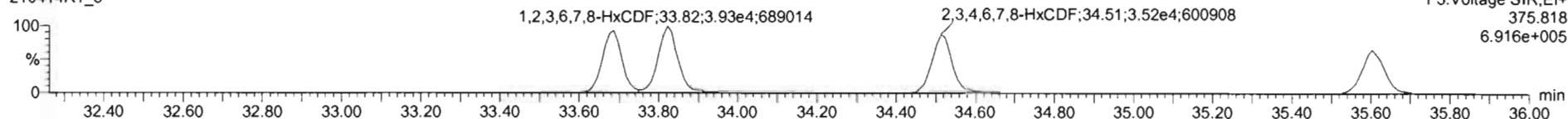
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1,2,3,4,7,8-HxCDF

210414R1_3

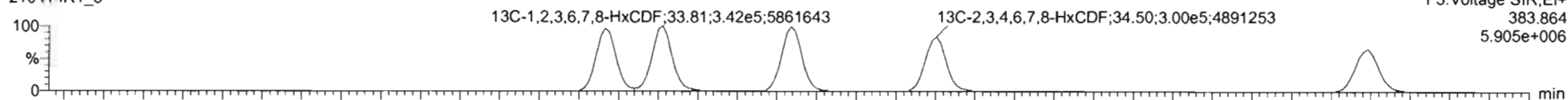


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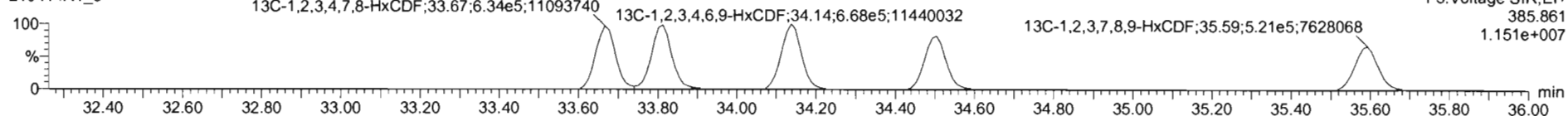


13C-1,2,3,4,7,8-HxCDF

210414R1_3

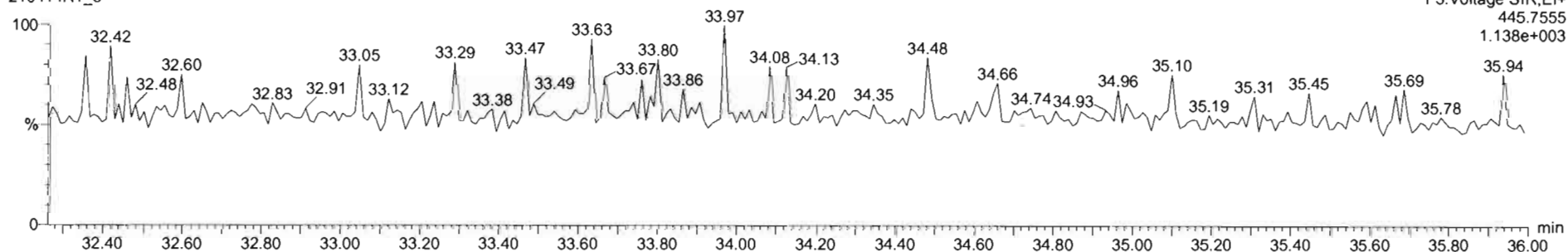


210414R1_3



DPE3

210414R1_3



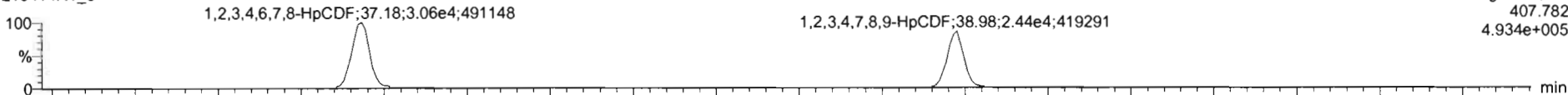
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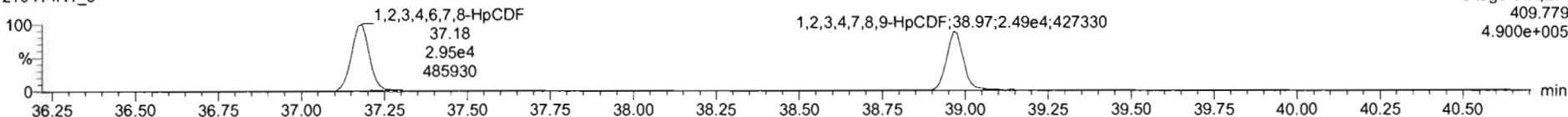
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1,2,3,4,6,7,8-HpCDF

210414R1_3

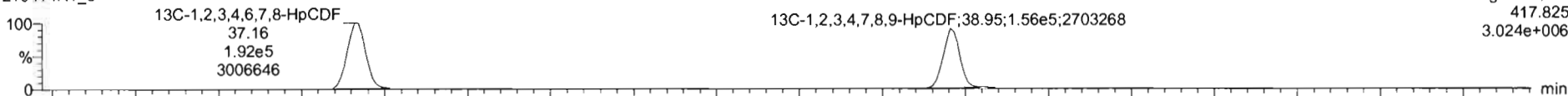


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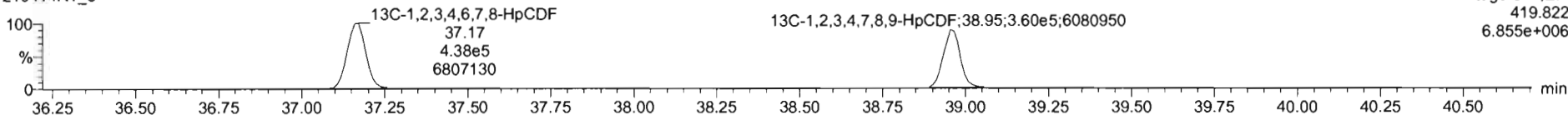


13C-1,2,3,4,6,7,8-HpCDF

210414R1_3

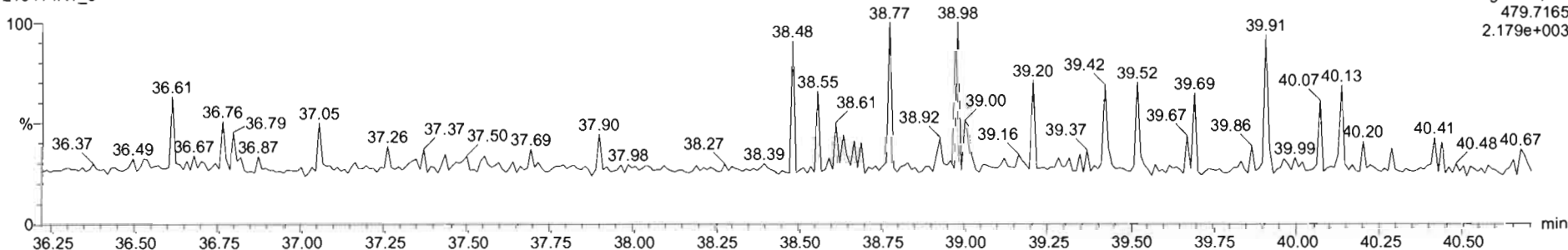


210414R1_3



DPE4

210414R1_3

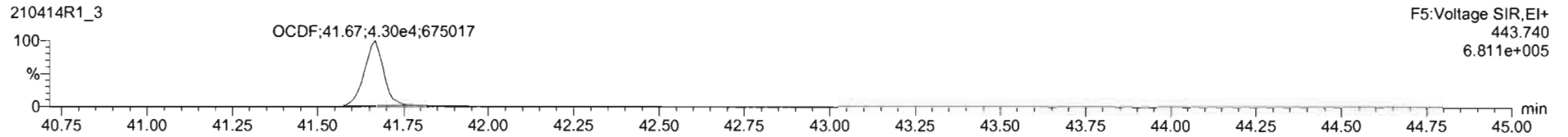
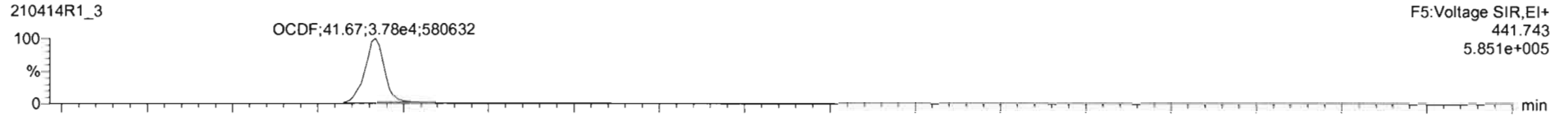


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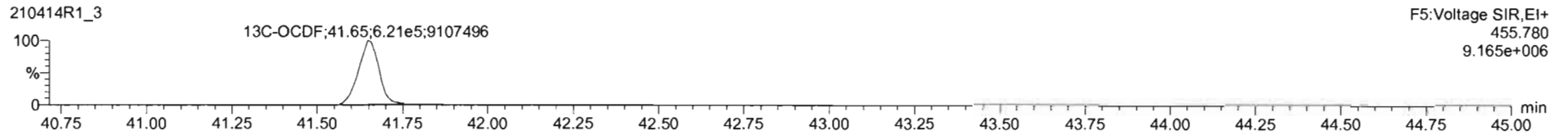
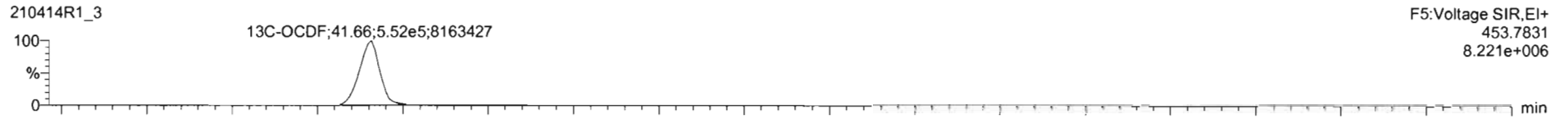
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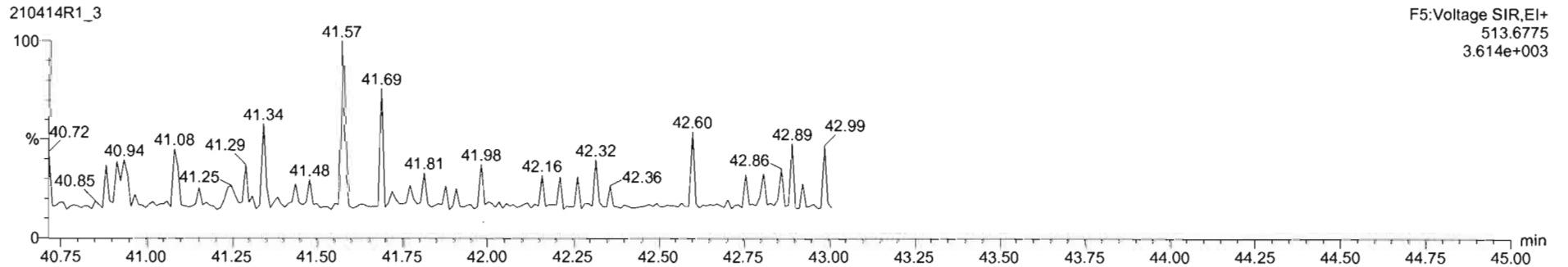
OCDF



13C-OCDF



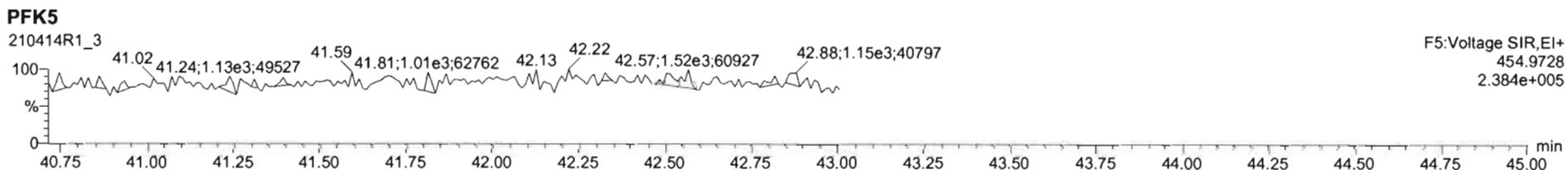
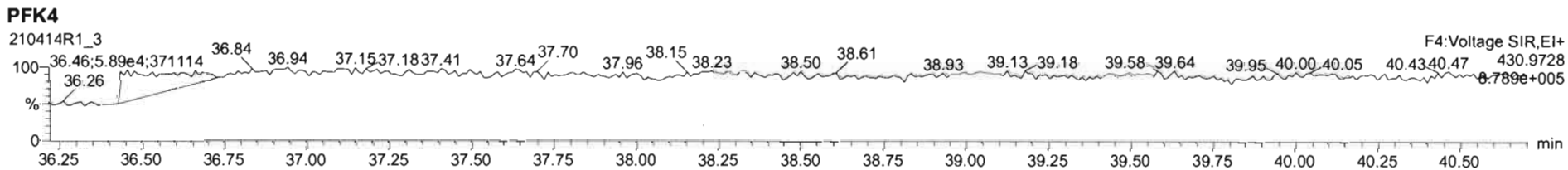
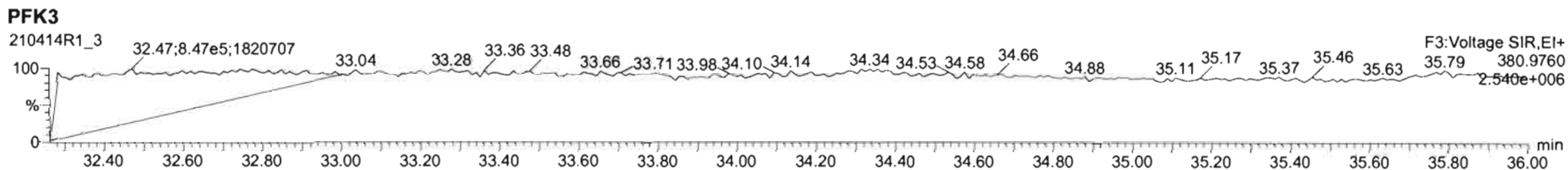
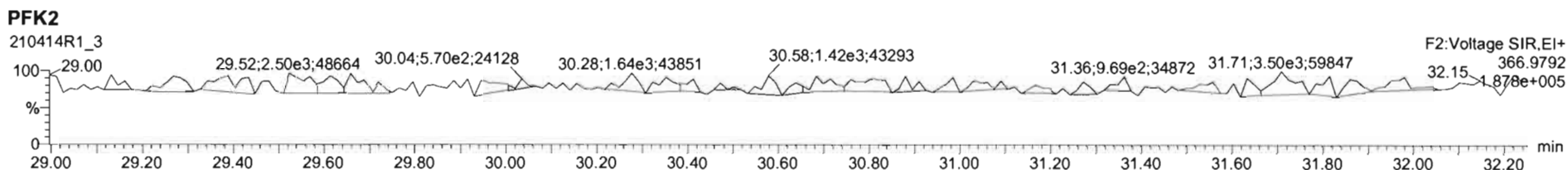
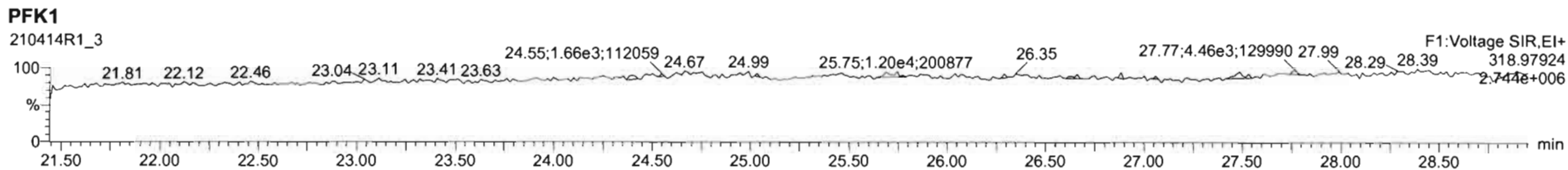
DPE5



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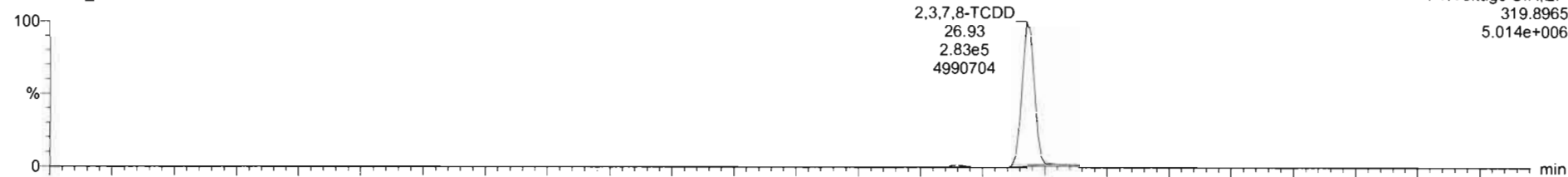
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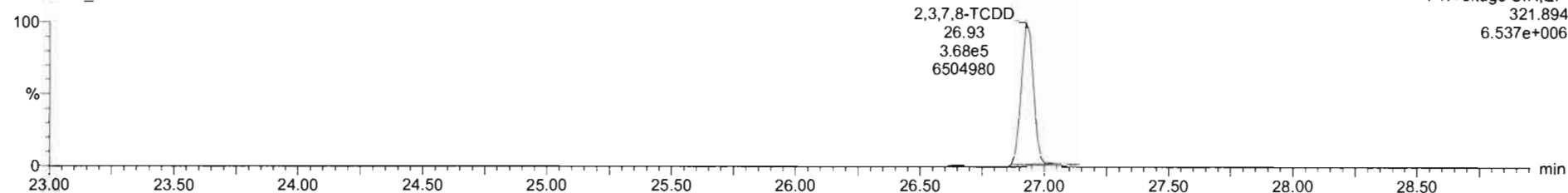
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2,3,7,8-TCDD

210414R1_4

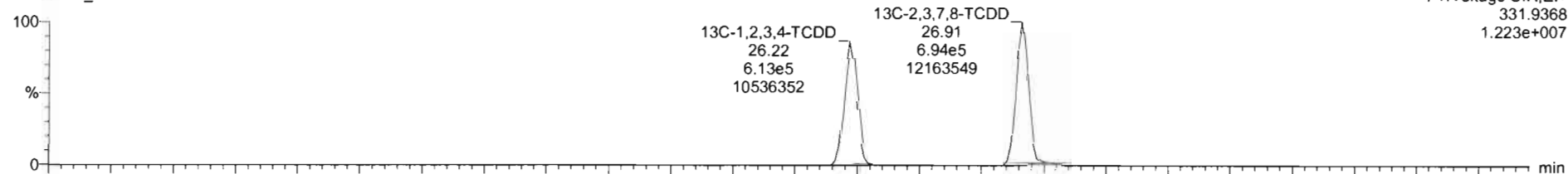


210414R1_4

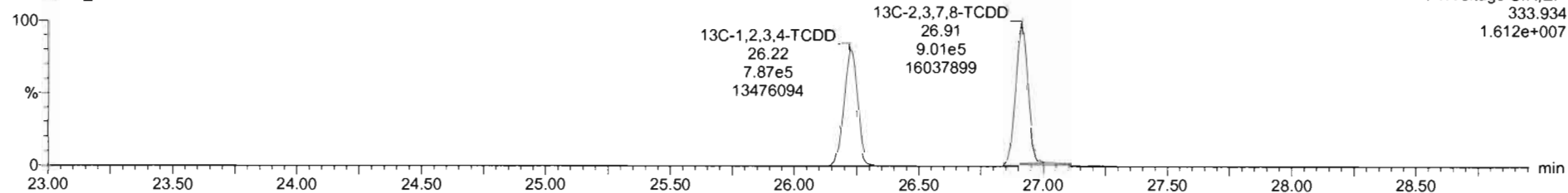


13C-2,3,7,8-TCDD

210414R1_4



210414R1_4



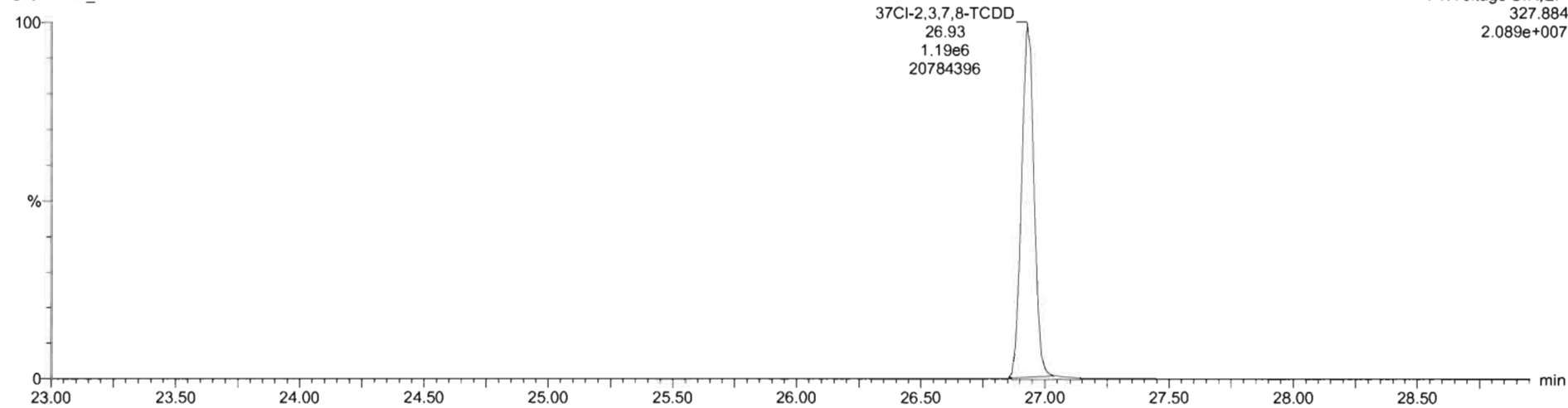
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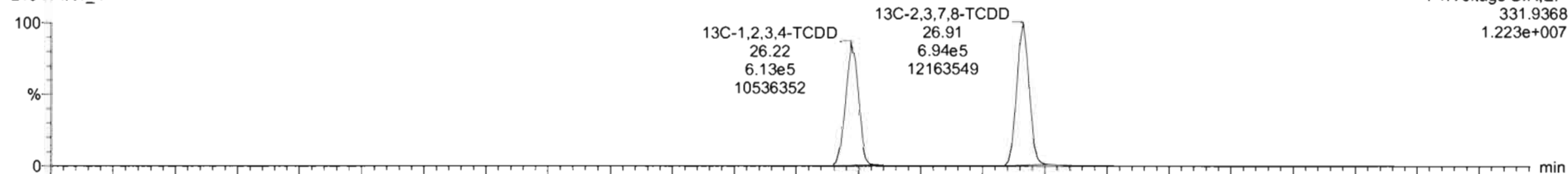
37Cl-2,3,7,8-TCDD

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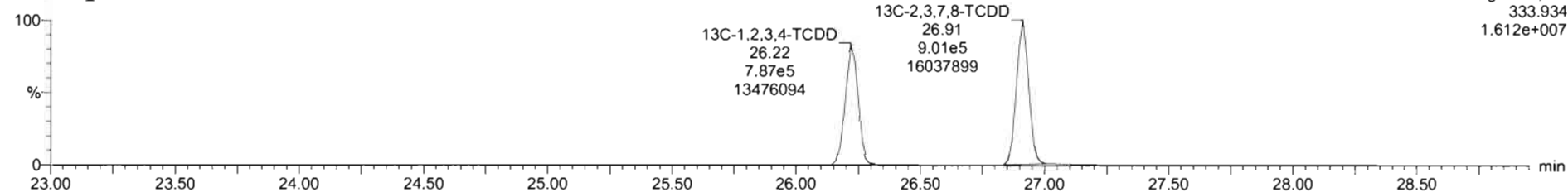


13C-1,2,3,4-TCDD

210414R1_4



210414R1_4



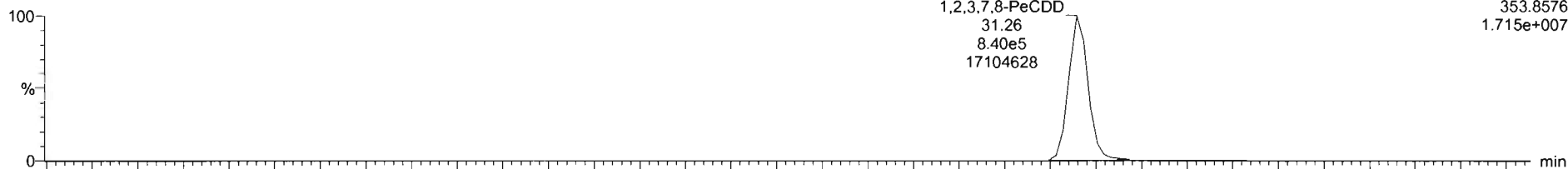
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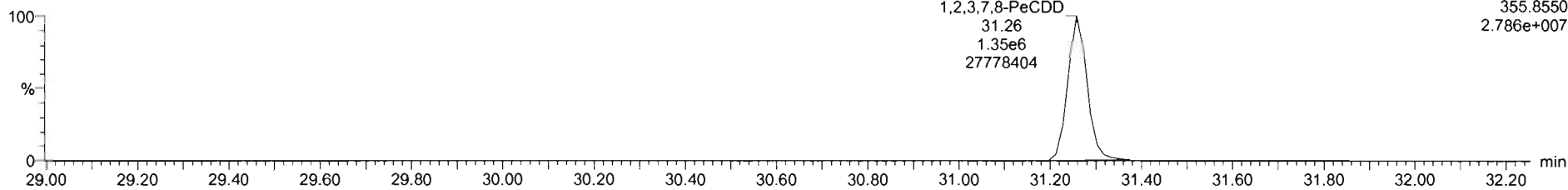
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1,2,3,7,8-PeCDD

210414R1_4

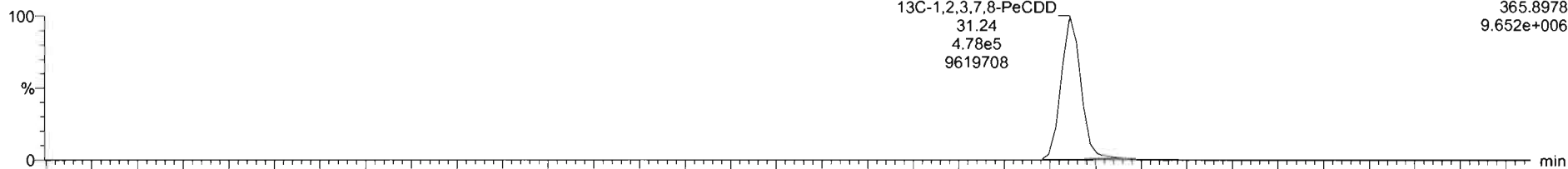


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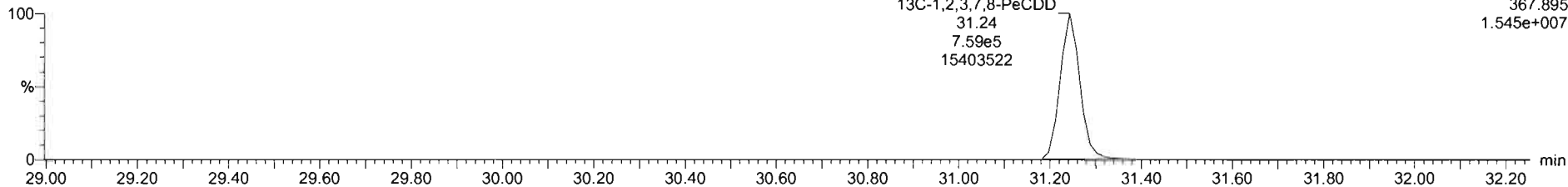


13C-1,2,3,7,8-PeCDD

210414R1_4



210414R1_4



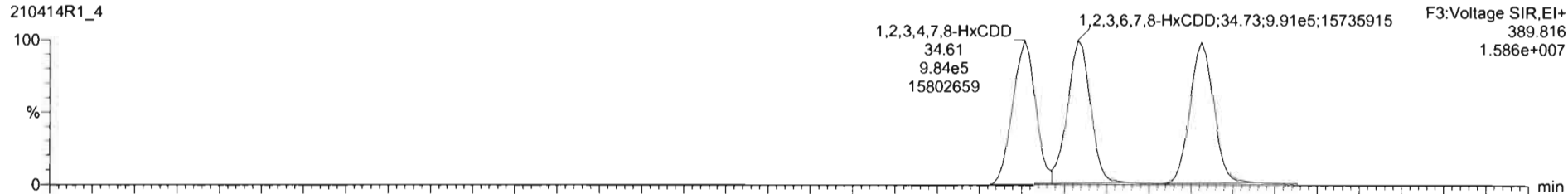
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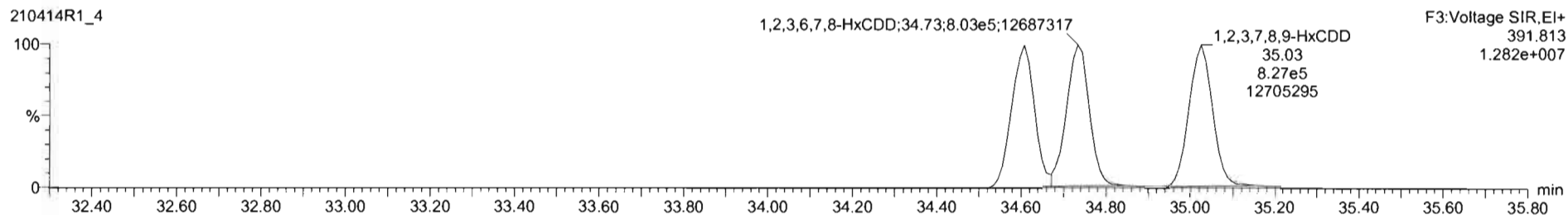
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1,2,3,4,7,8-HxCDD

210414R1_4



210414R1_4

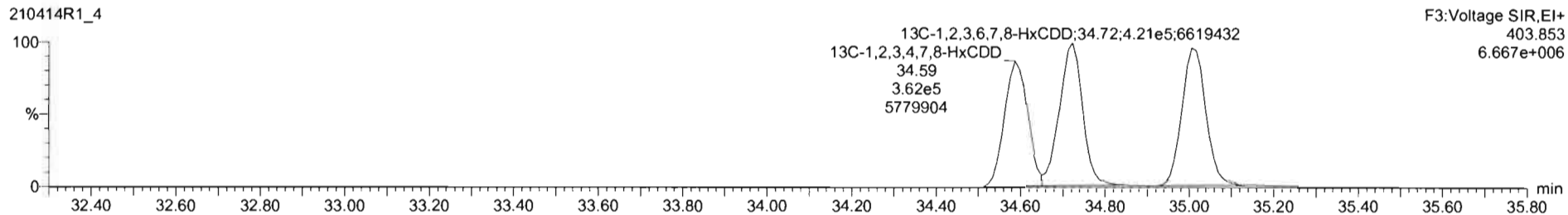


13C-1,2,3,4,7,8-HxCDD

210414R1_4



210414R1_4



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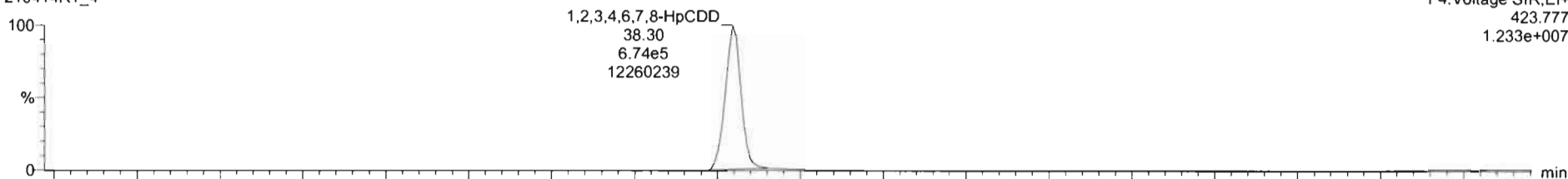
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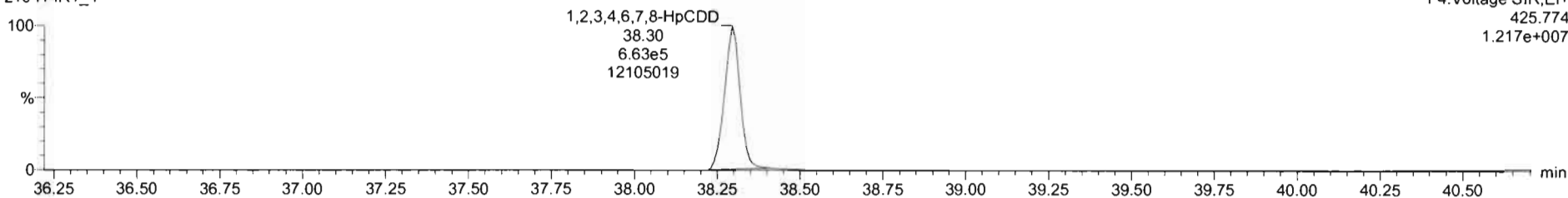
1,2,3,4,6,7,8-HpCDD

210414R1_4



F4:Voltage SIR,EI+
423.777
1.233e+007

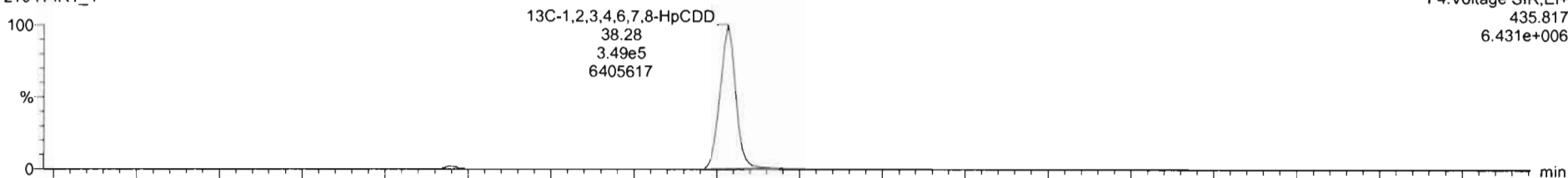
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F4:Voltage SIR,EI+
425.774
1.217e+007

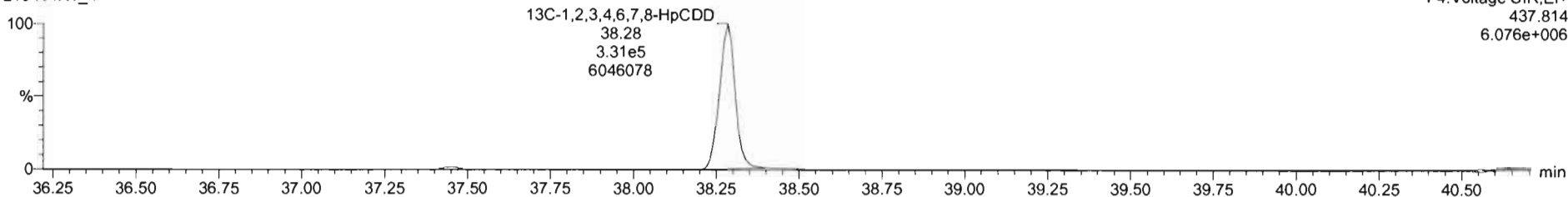
13C-1,2,3,4,6,7,8-HpCDD

210414R1_4



F4:Voltage SIR,EI+
435.817
6.431e+006

210414R1_4



F4:Voltage SIR,EI+
437.814
6.076e+006

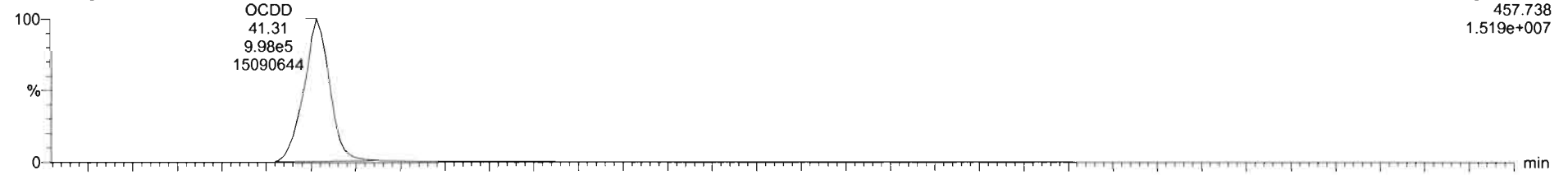
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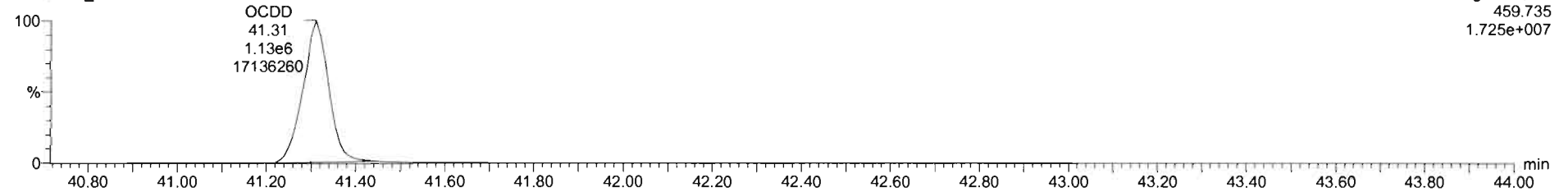
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OCDD

210414R1_4

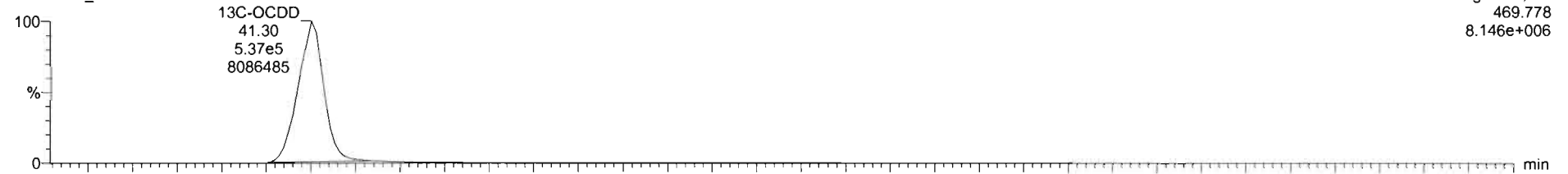


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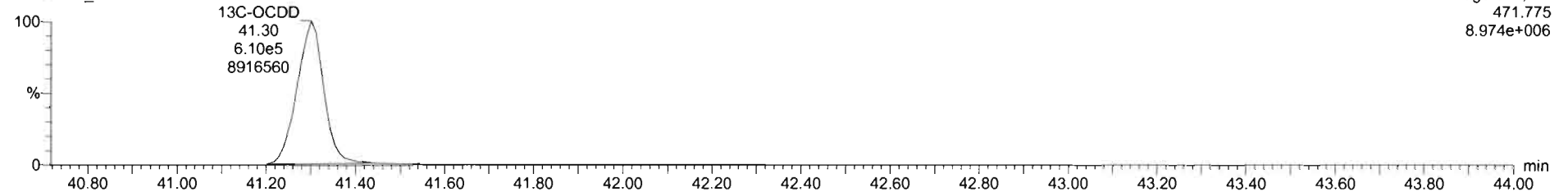


13C-OCDD

210414R1_4



210414R1_4



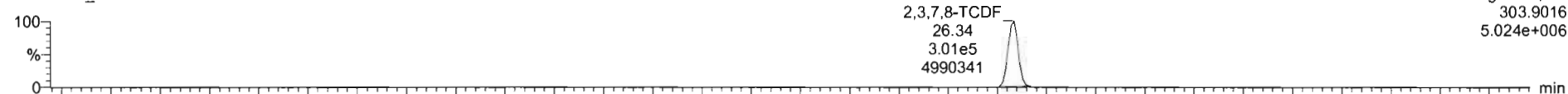
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

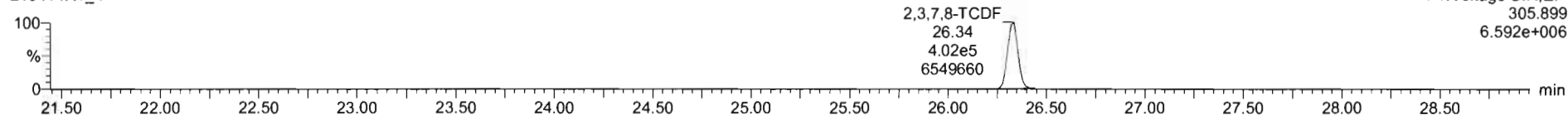
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2,3,7,8-TCDF

210414R1_4

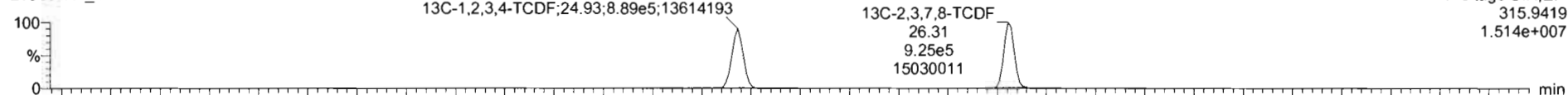


210414R1_4

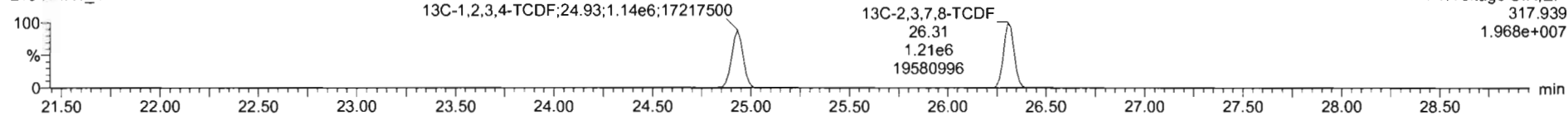


13C-2,3,7,8-TCDF

210414R1_4

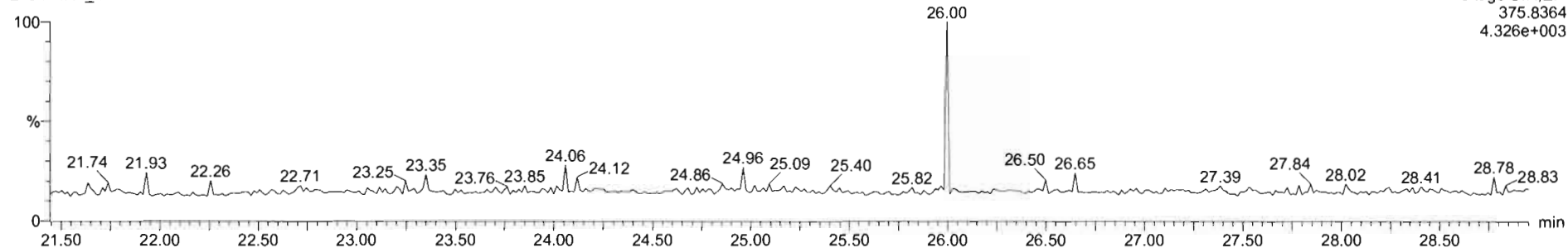


210414R1_4



DPE1

210414R1_4



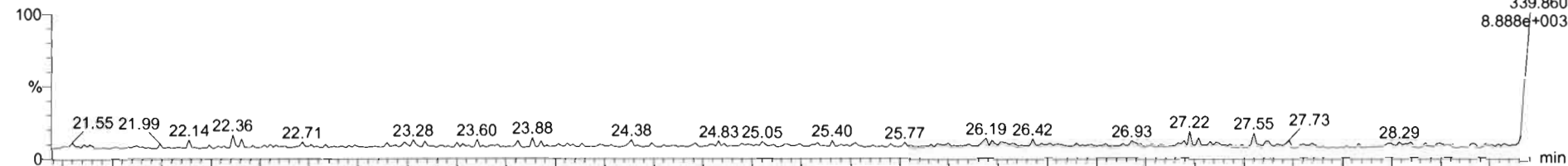
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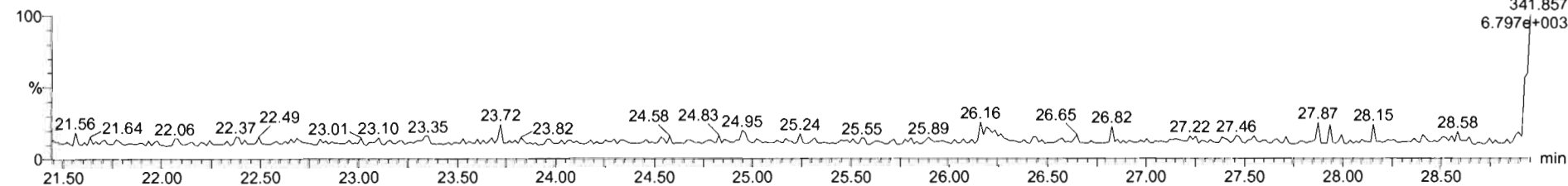
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1st Func. Penta-Furans

210414R1_4

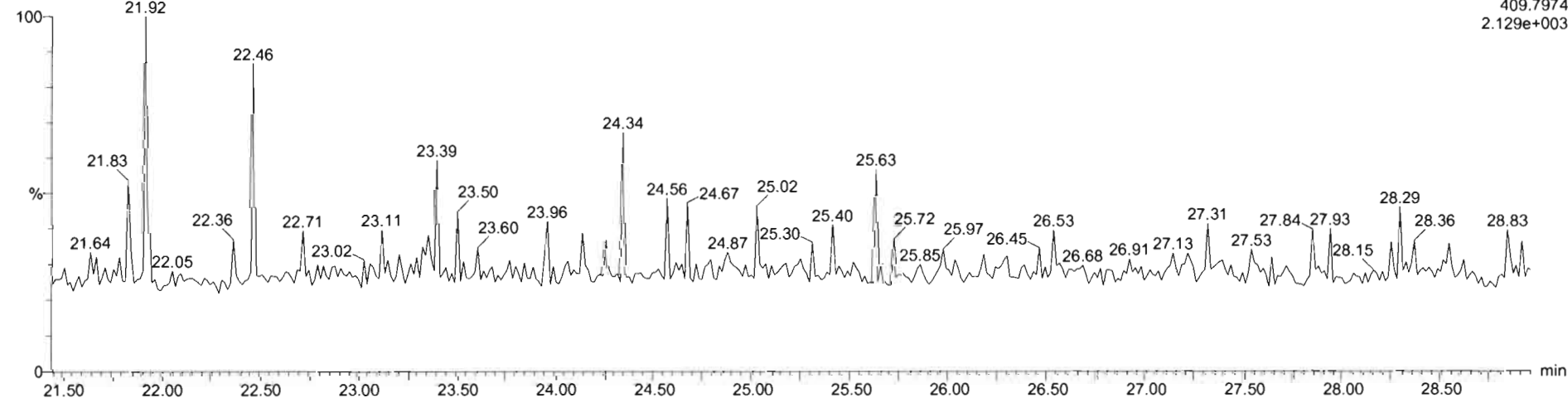


210414R1_4



DPE6

210414R1_4

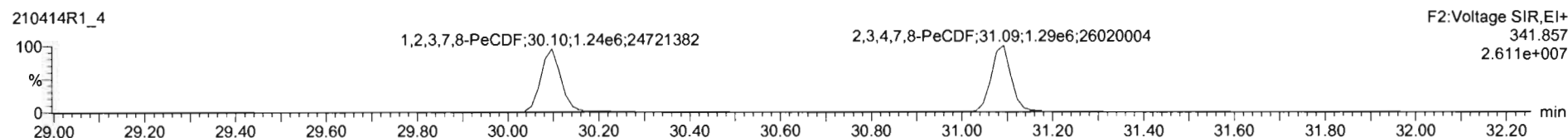
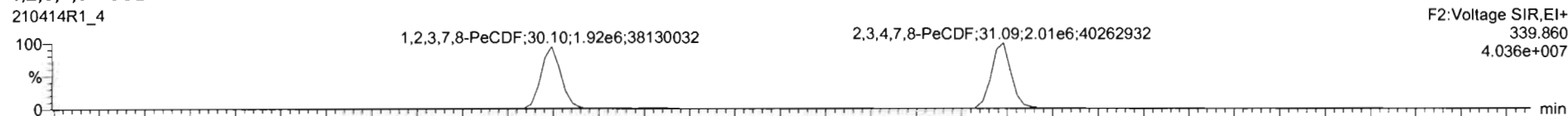


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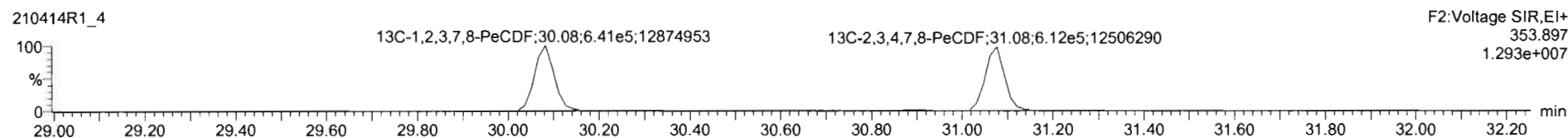
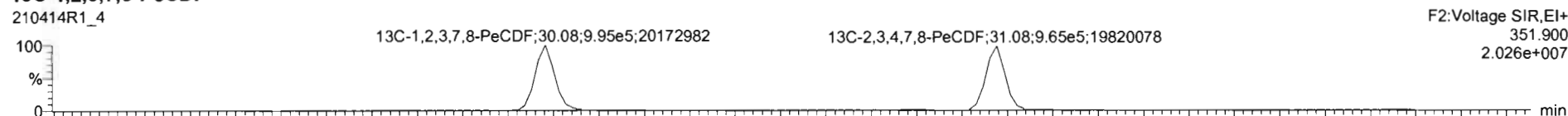
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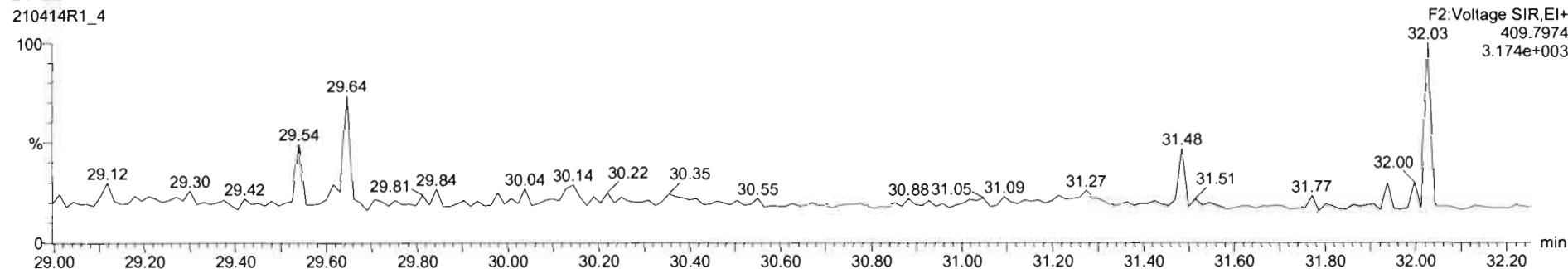
1,2,3,7,8-PeCDF



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



DPE2

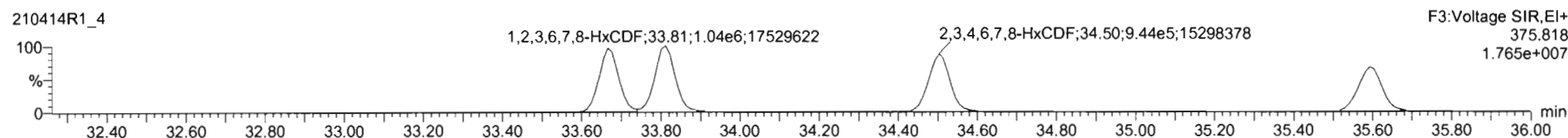
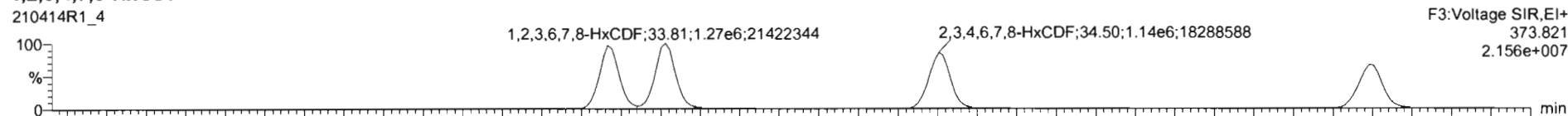


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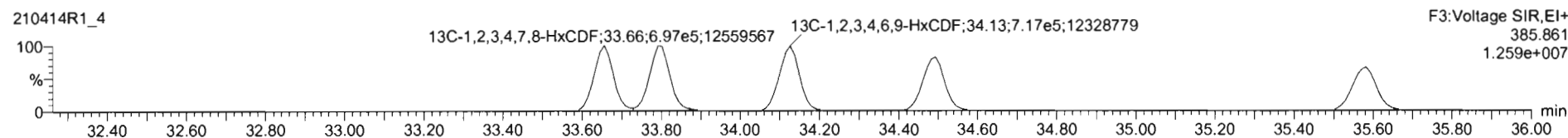
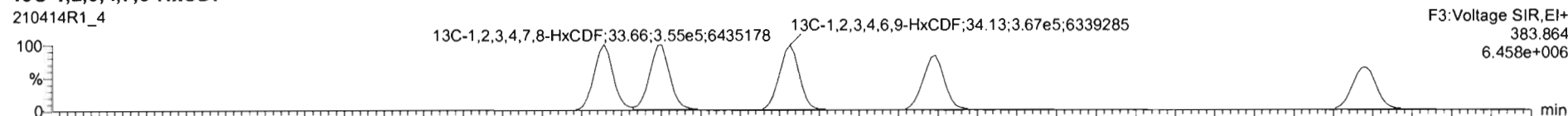
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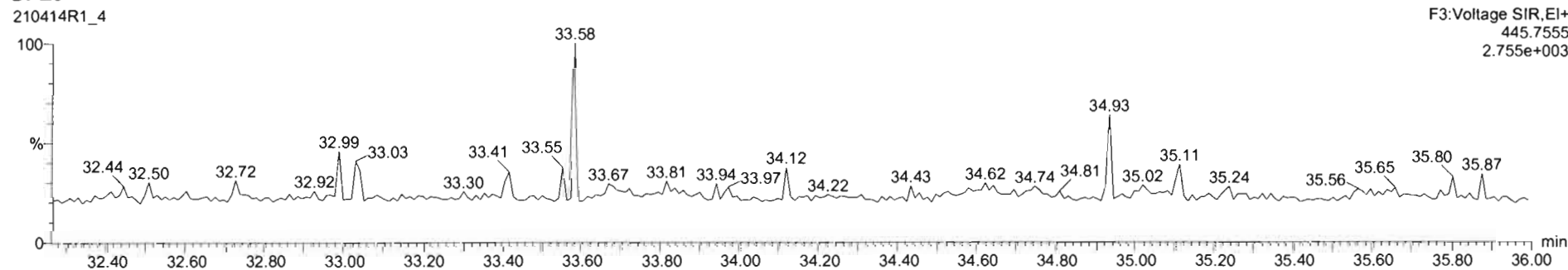
1,2,3,4,7,8-HxCDF



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



DPE3



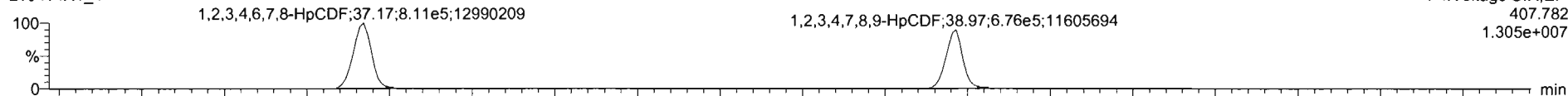
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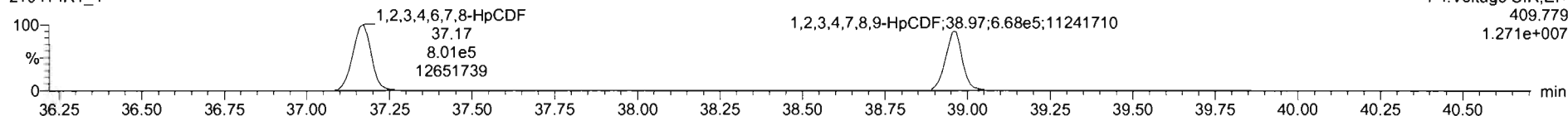
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1,2,3,4,6,7,8-HpCDF

210414R1_4

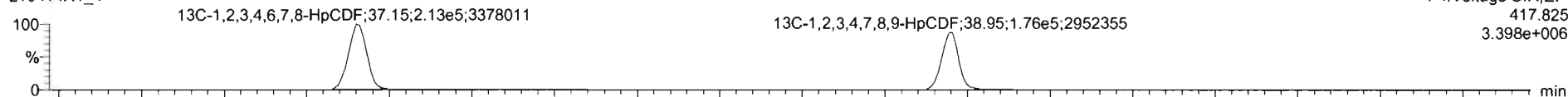


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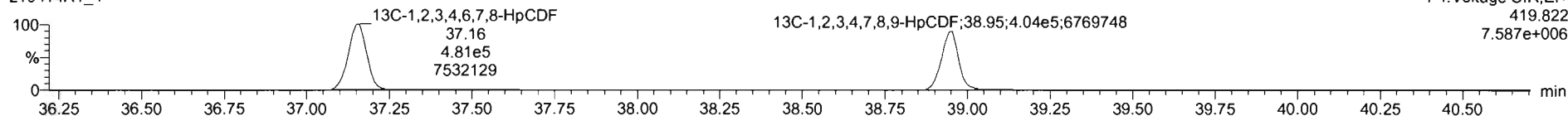


13C-1,2,3,4,6,7,8-HpCDF

210414R1_4

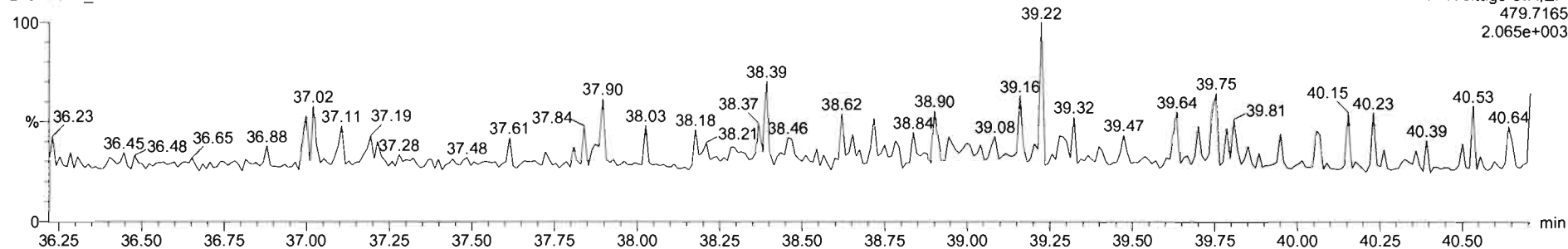


210414R1_4



DPE4

210414R1_4

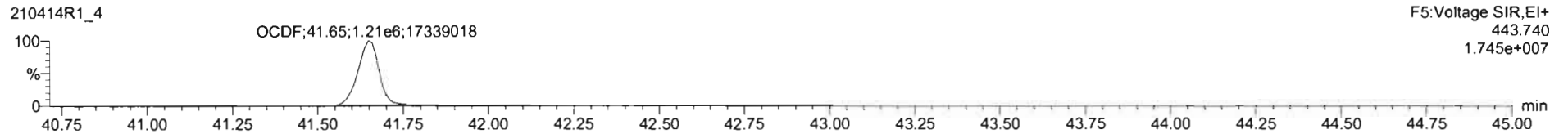
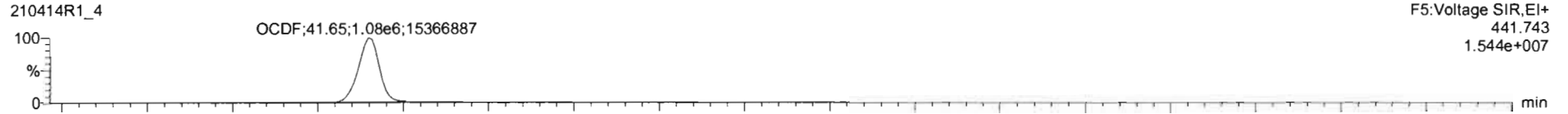


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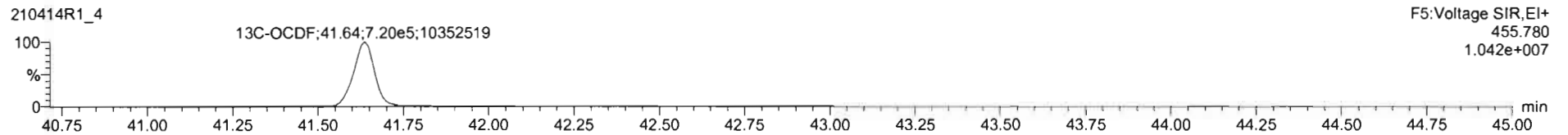
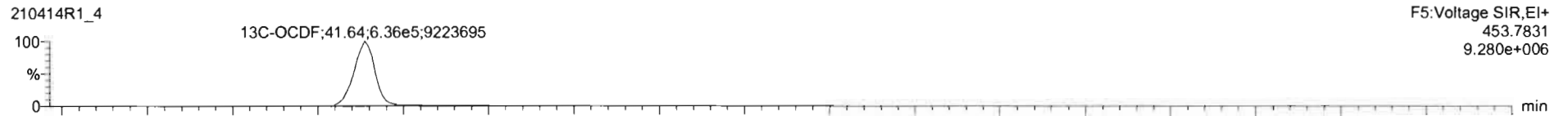
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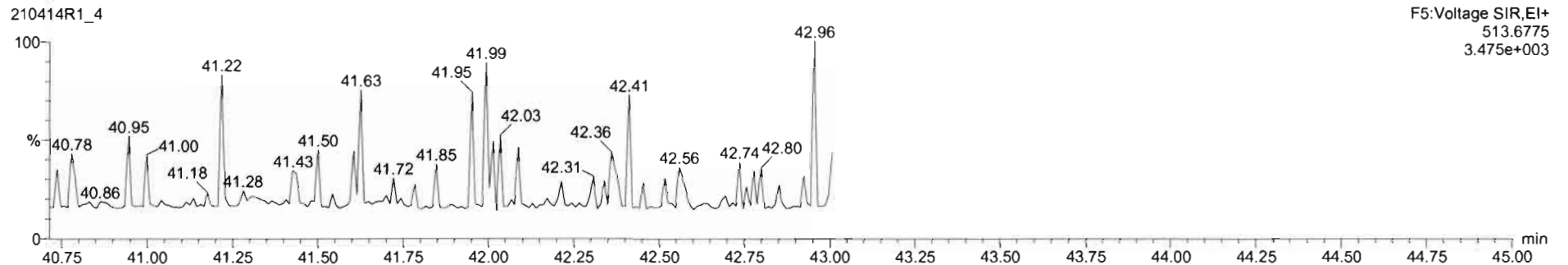
OCDF



13C-OCDF



DPE5

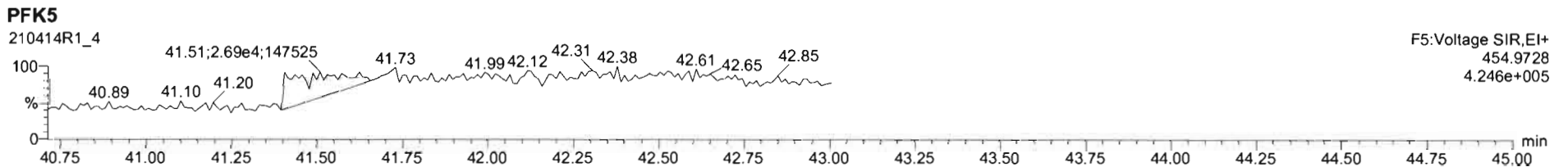
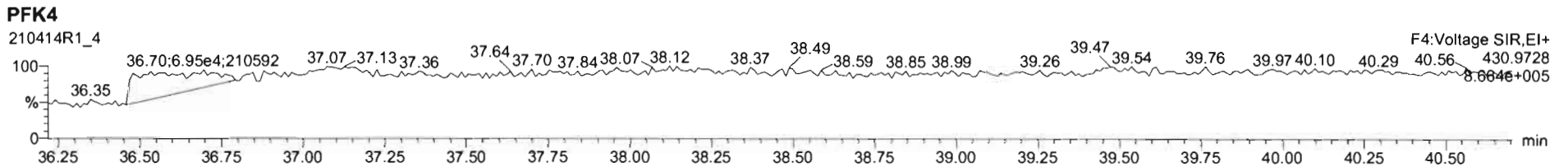
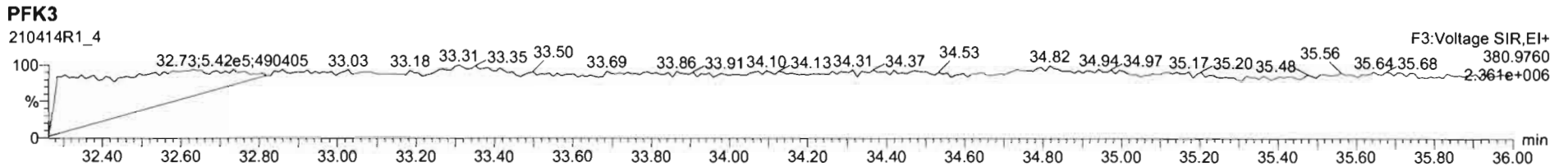
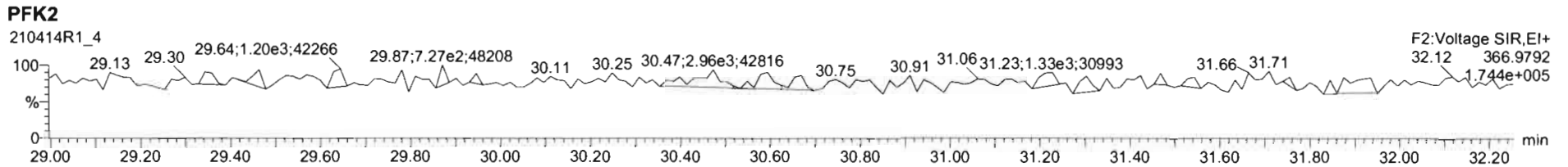
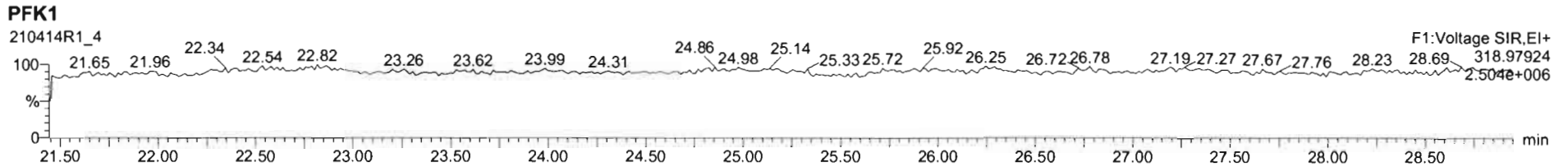


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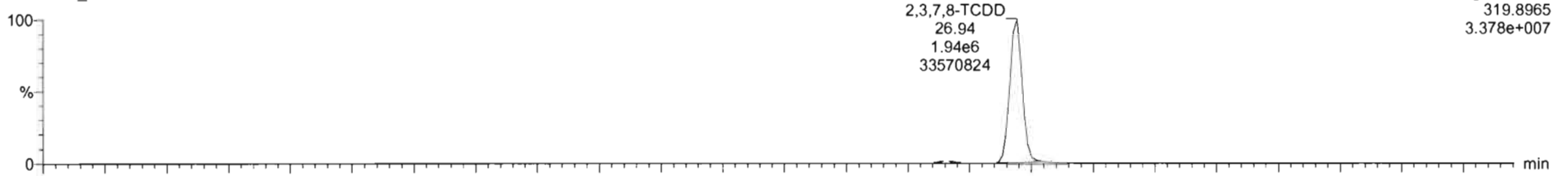
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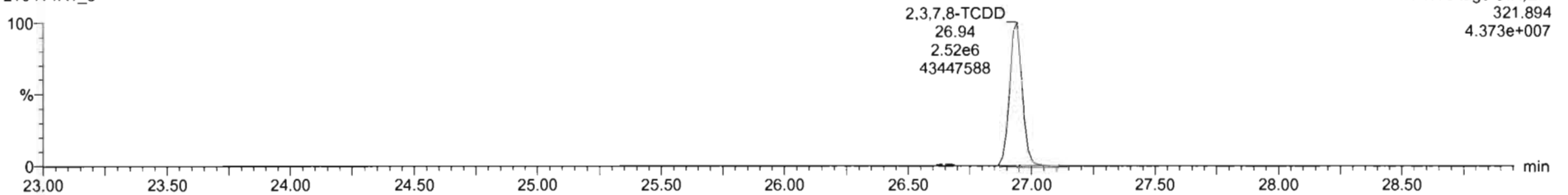
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2,3,7,8-TCDD

210414R1_5

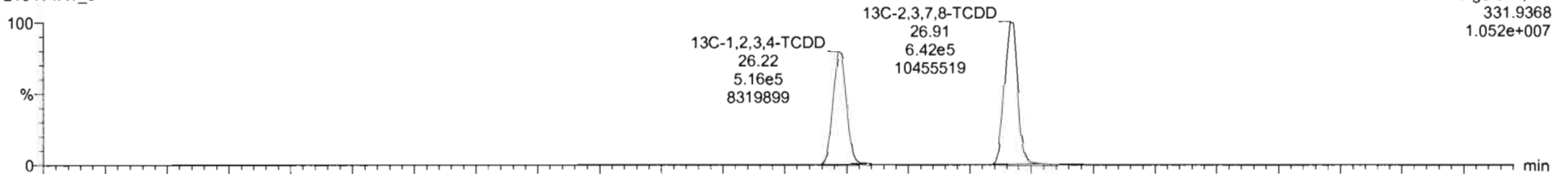


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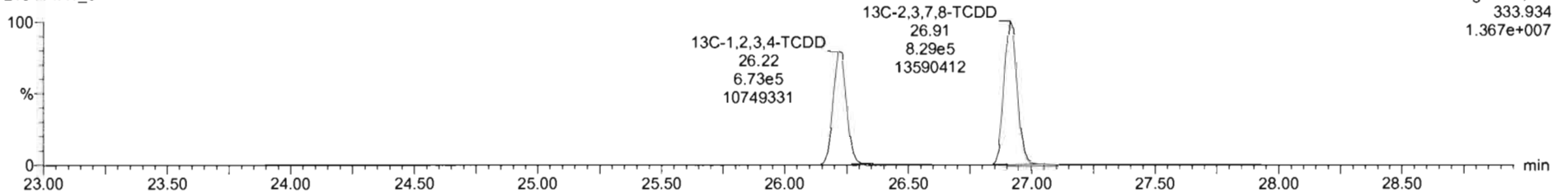


13C-2,3,7,8-TCDD

210414R1_5



210414R1_5



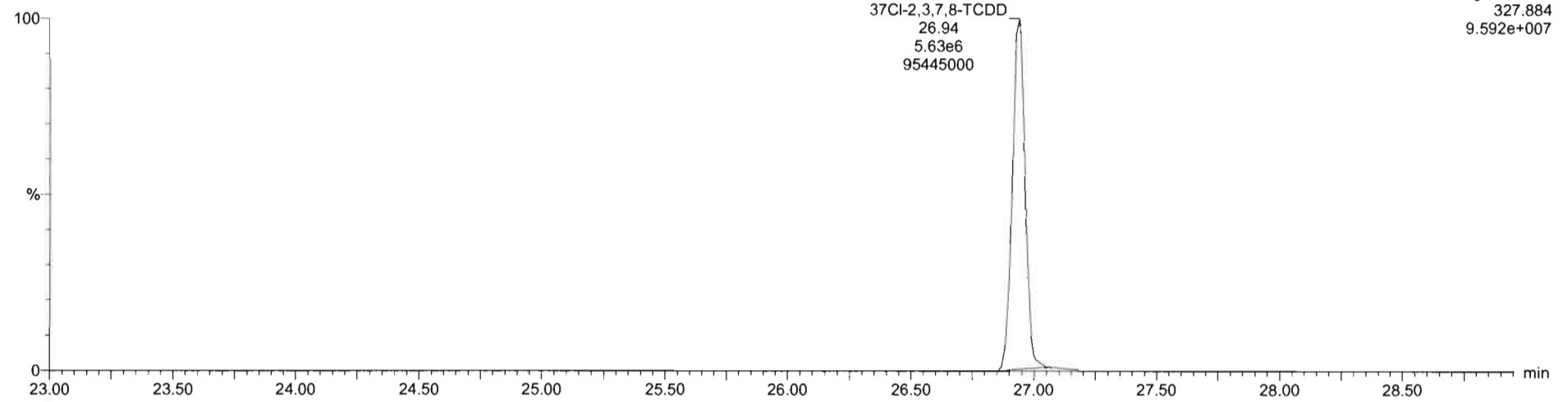
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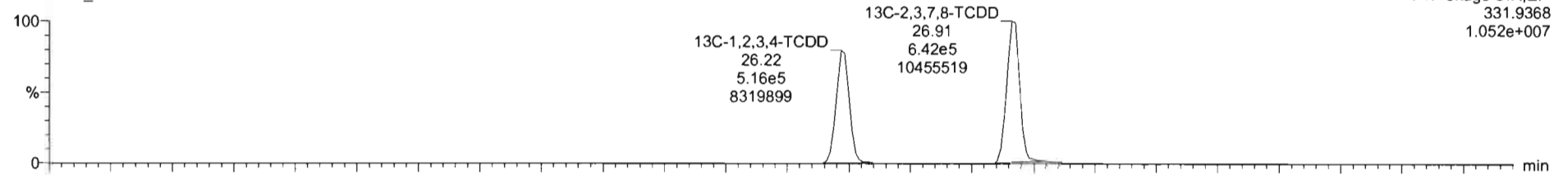
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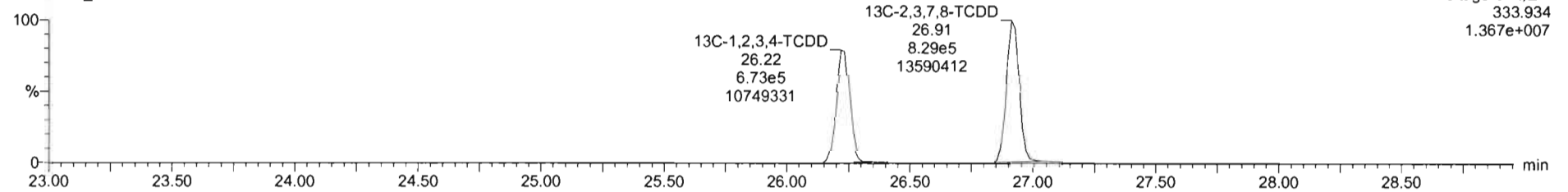


13C-1,2,3,4-TCDD

210414R1_5



210414R1_5



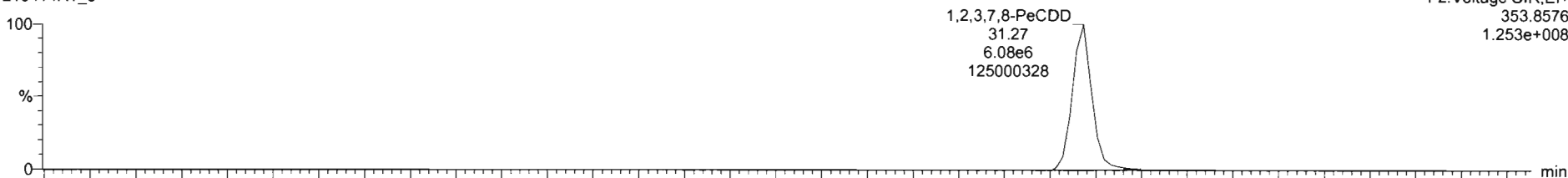
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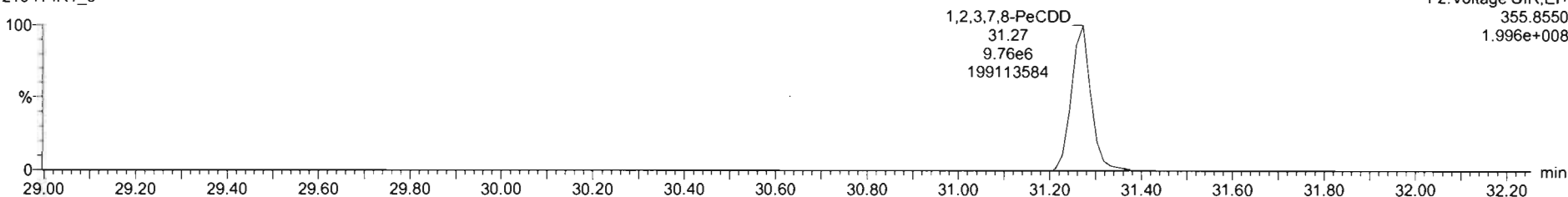
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1,2,3,7,8-PeCDD

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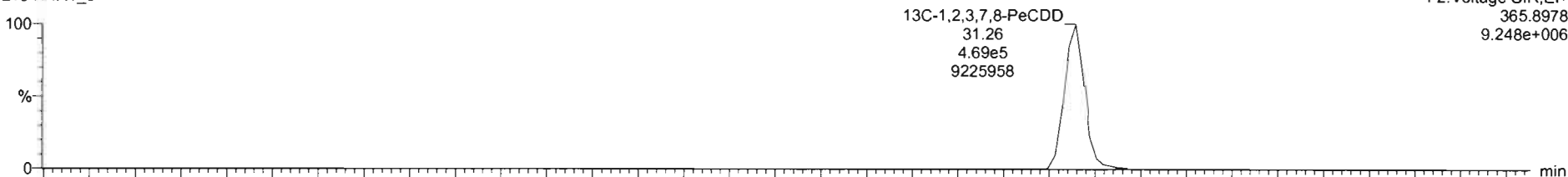


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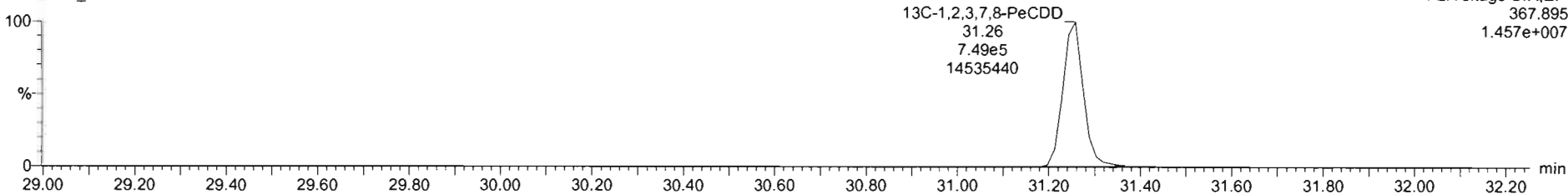


13C-1,2,3,7,8-PeCDD

210414R1_5



210414R1_5



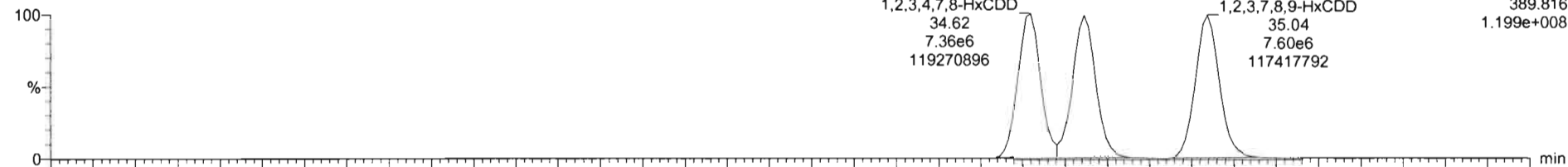
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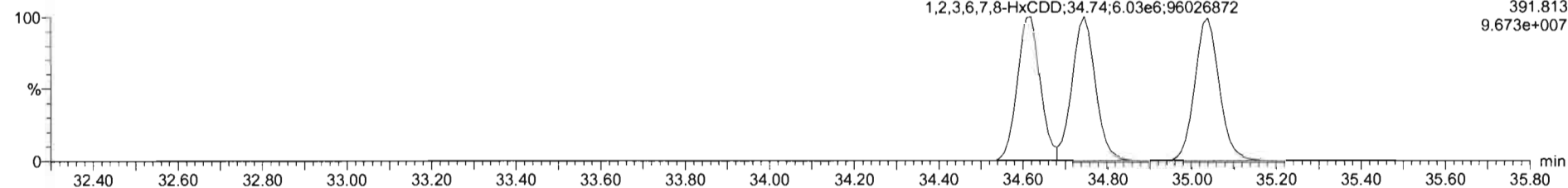
1,2,3,4,7,8-HxCDD

210414R1_5



F3:Voltage SIR,EI+
389.816
1.199e+008

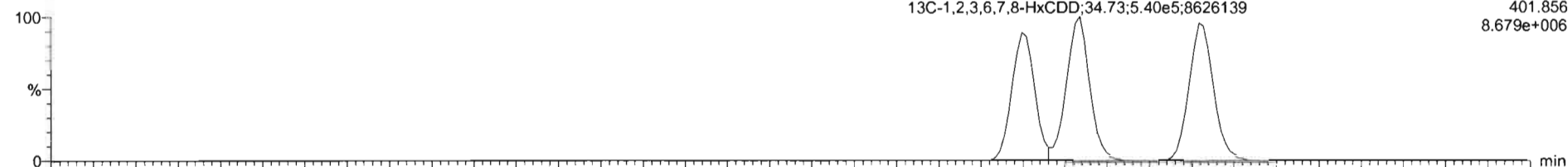
210414R1_5



F3:Voltage SIR,EI+
391.813
9.673e+007

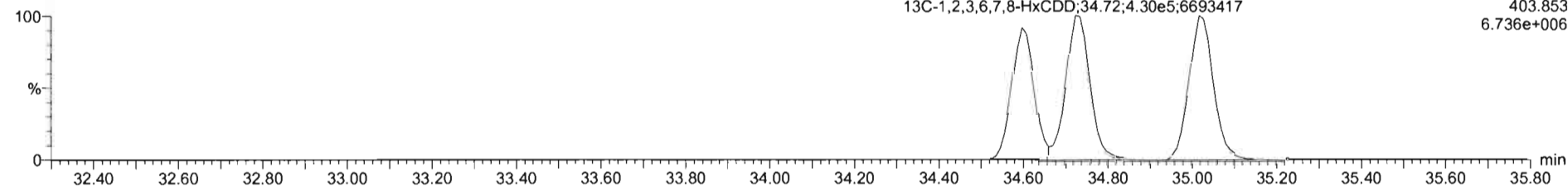
13C-1,2,3,4,7,8-HxCDD

210414R1_5



F3:Voltage SIR,EI+
401.856
8.679e+006

210414R1_5



F3:Voltage SIR,EI+
403.853
6.736e+006

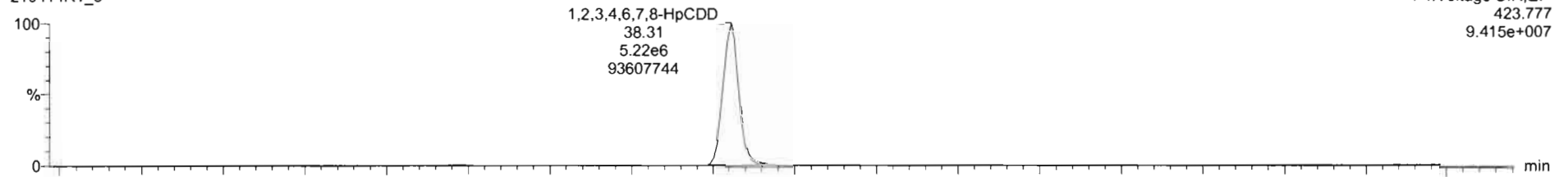
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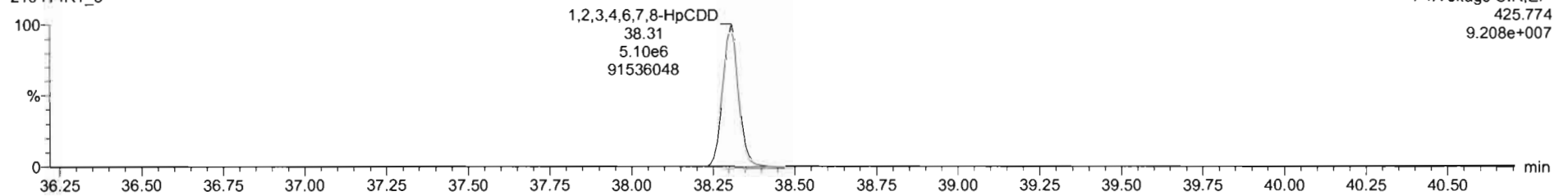
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1,2,3,4,6,7,8-HpCDD

210414R1_5

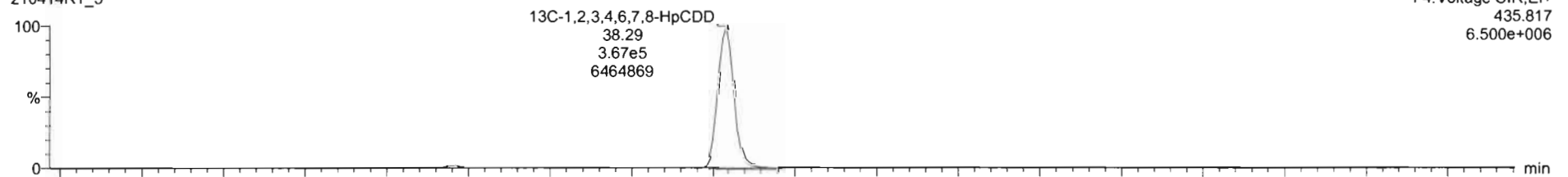


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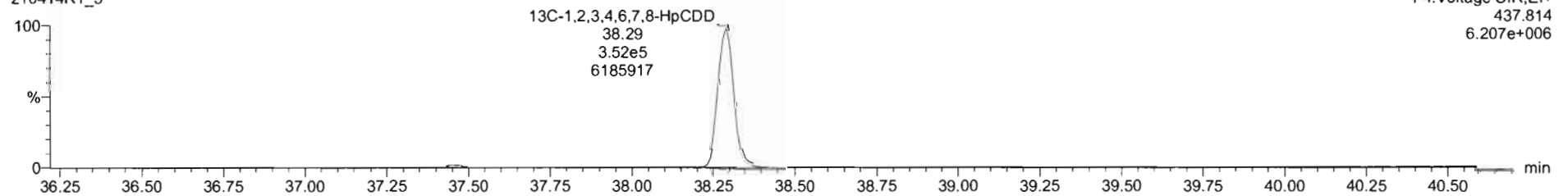


13C-1,2,3,4,6,7,8-HpCDD

210414R1_5



210414R1_5



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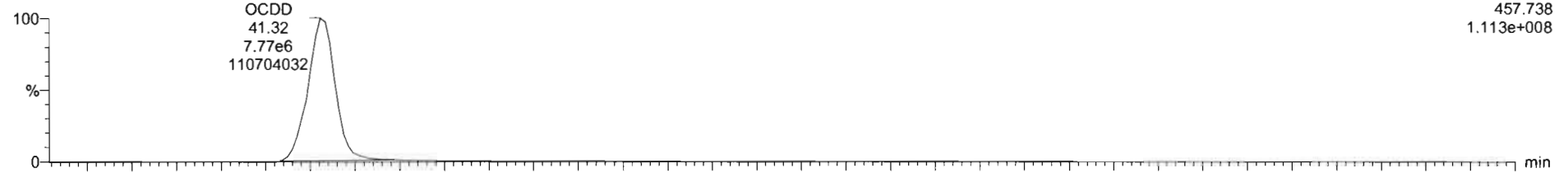
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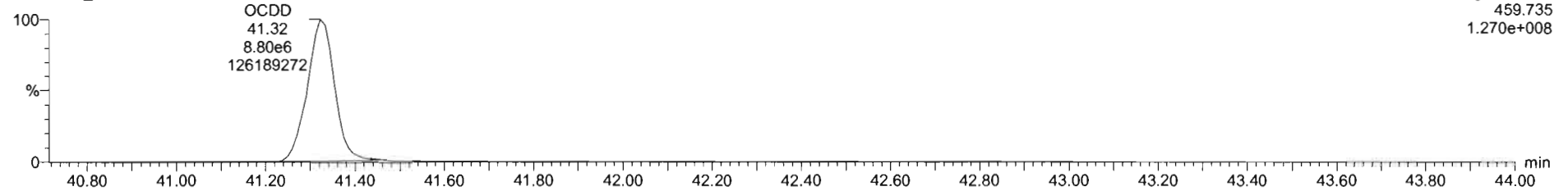
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OCDD

210414R1_5

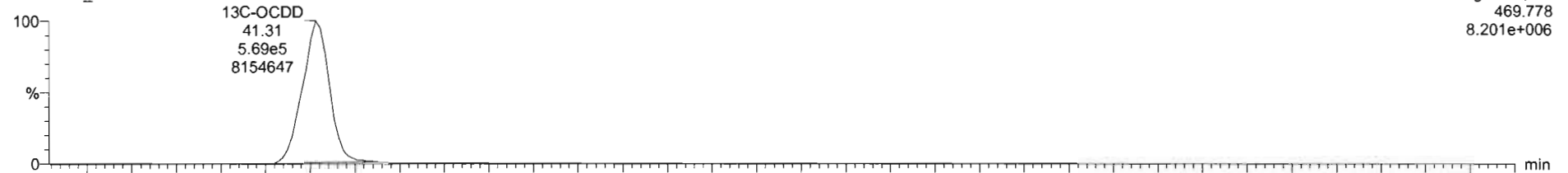


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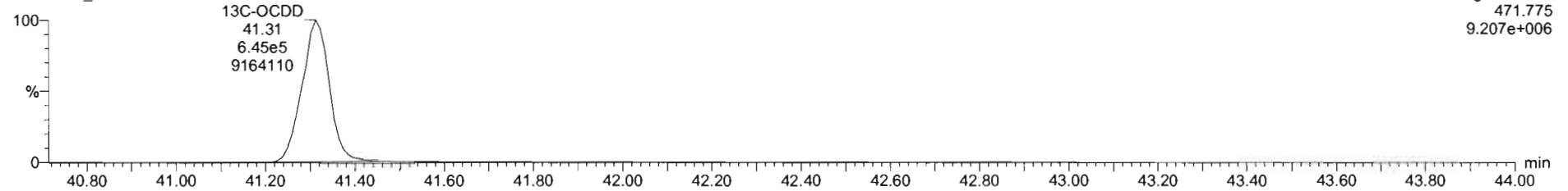


13C-OCDD

210414R1_5



210414R1_5



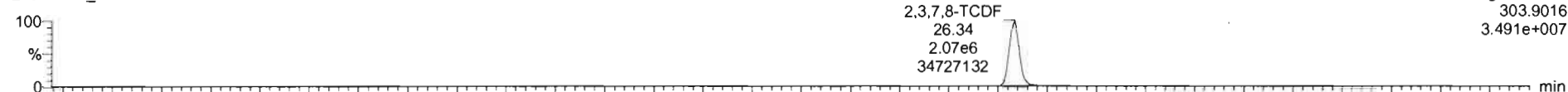
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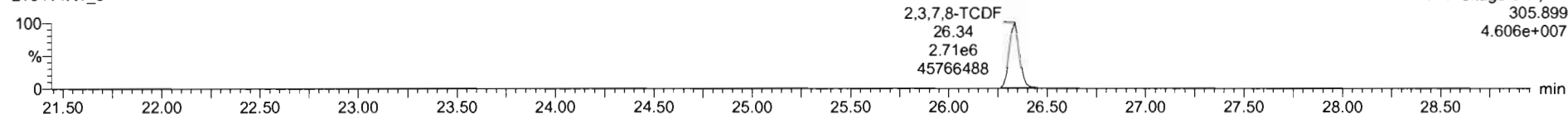
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2,3,7,8-TCDF

210414R1_5

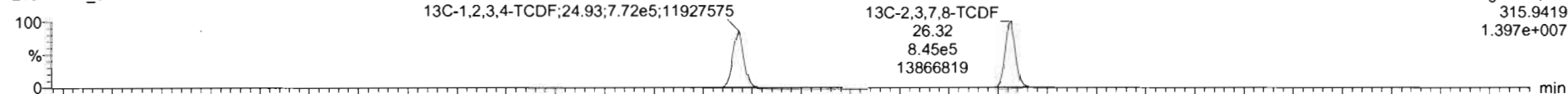


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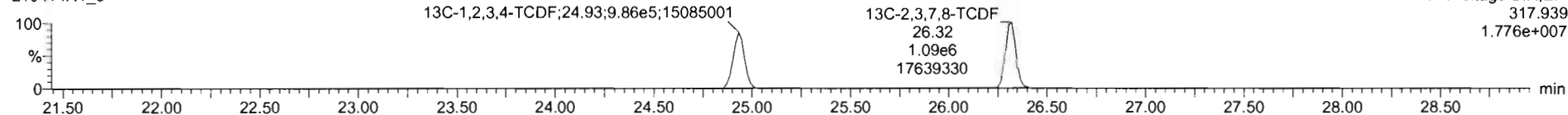


13C-2,3,7,8-TCDF

210414R1_5

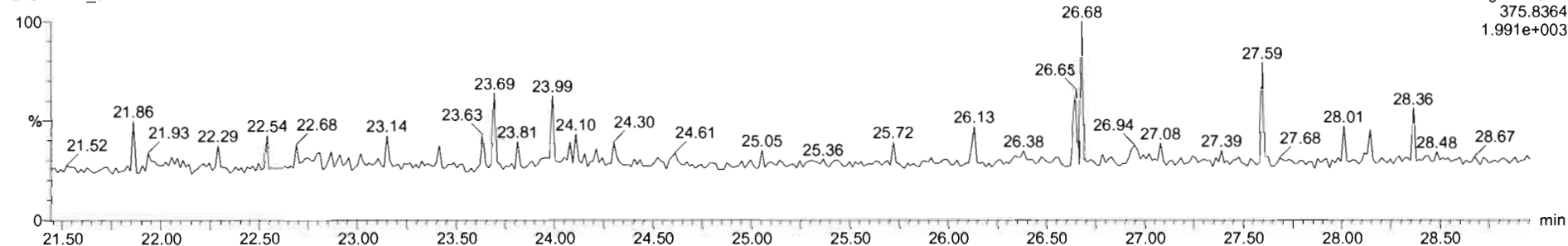


210414R1_5



DPE1

210414R1_5



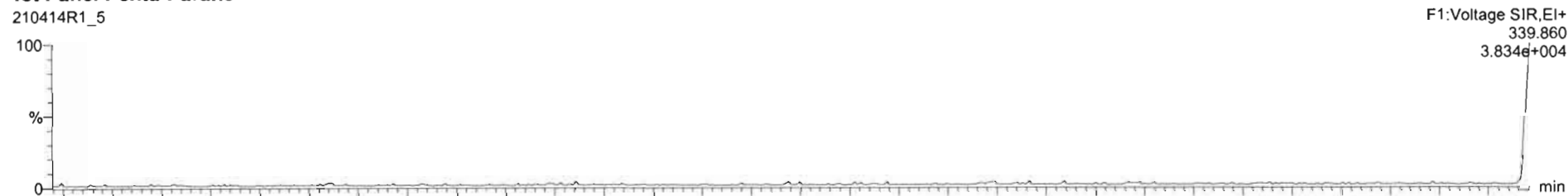
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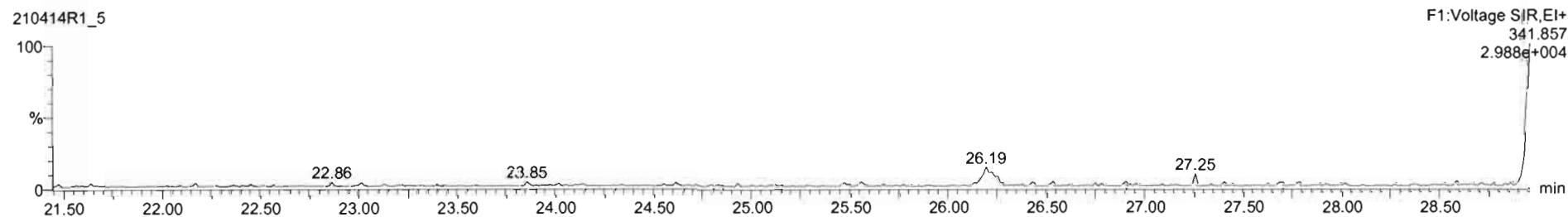
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1st Func. Penta-Furans

210414R1_5

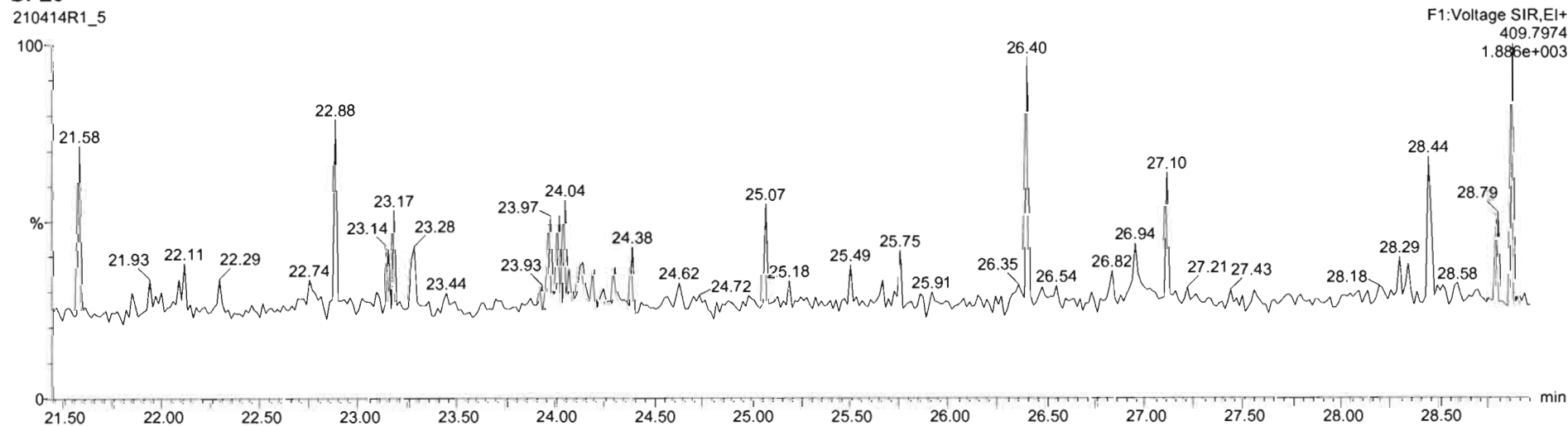


210414R1_5



DPE6

210414R1_5



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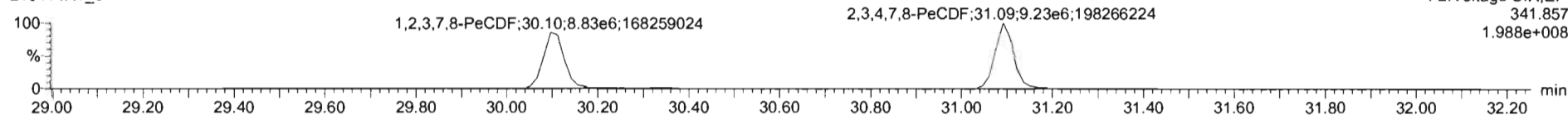
1,2,3,7,8-PeCDF

210414R1_5



F2:Voltage SIR,EI+
339.860
3.049e+008

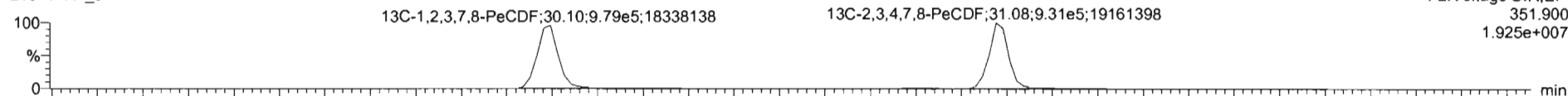
210414R1_5



F2:Voltage SIR,EI+
341.857
1.988e+008

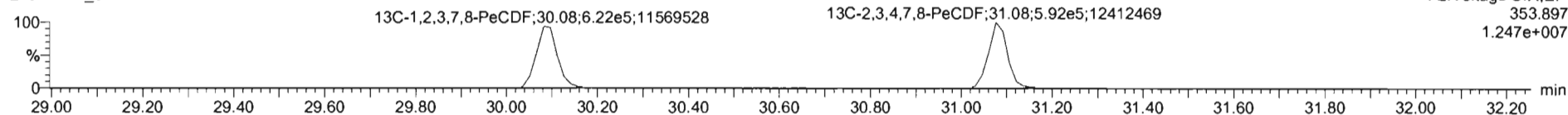
13C-1,2,3,7,8-PeCDF

210414R1_5



F2:Voltage SIR,EI+
351.900
1.925e+007

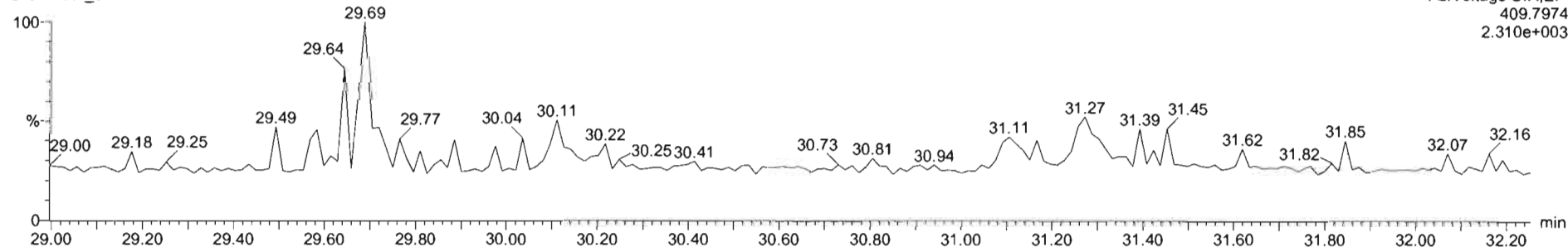
210414R1_5



F2:Voltage SIR,EI+
353.897
1.247e+007

DPE2

210414R1_5



F2:Voltage SIR,EI+
409.7974
2.310e+003

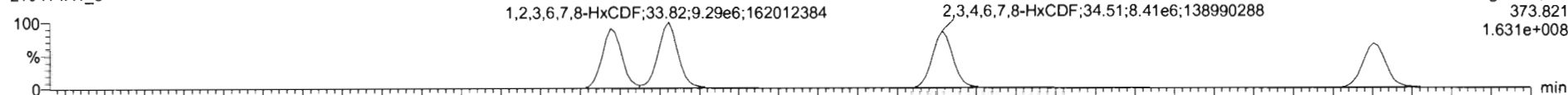
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

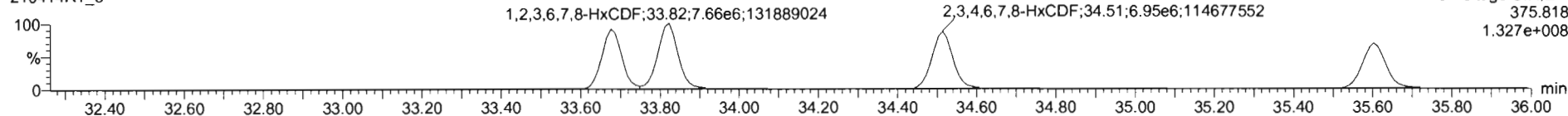
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1,2,3,4,7,8-HxCDF

210414R1_5

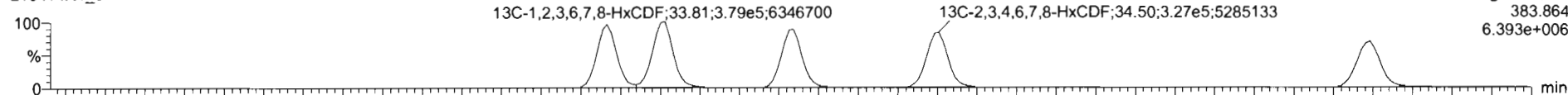


210414R1_5

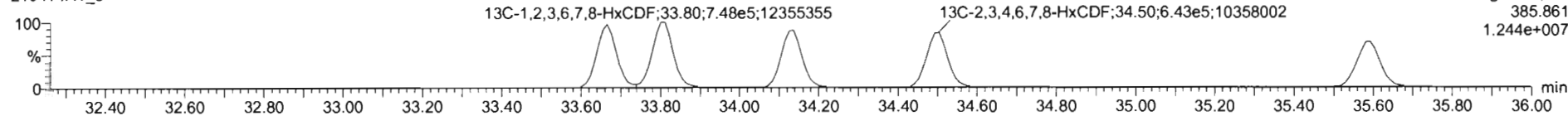


13C-1,2,3,4,7,8-HxCDF

210414R1_5

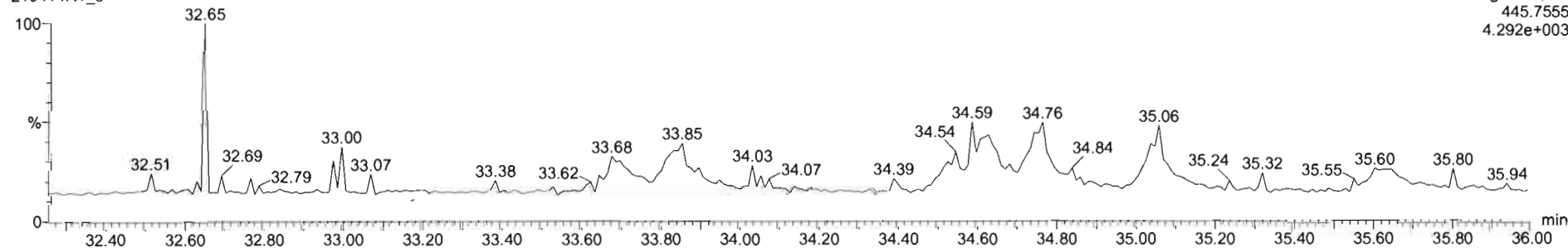


210414R1_5



DPE3

210414R1_5



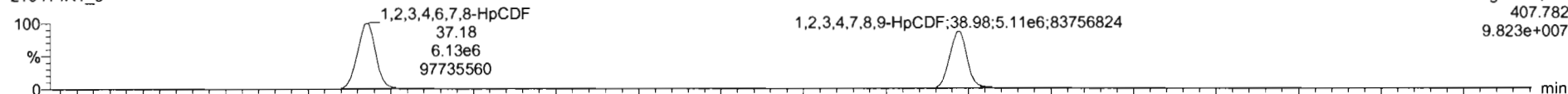
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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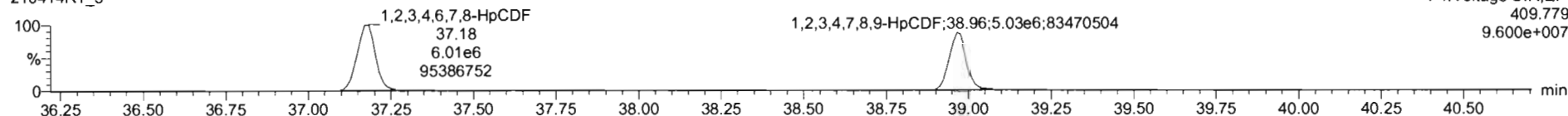
1,2,3,4,6,7,8-HpCDF

210414R1_5



F4:Voltage SIR,EI+
407.782
9.823e+007

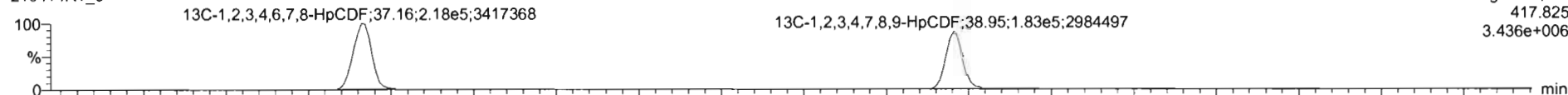
210414R1_5



F4:Voltage SIR,EI+
409.779
9.600e+007

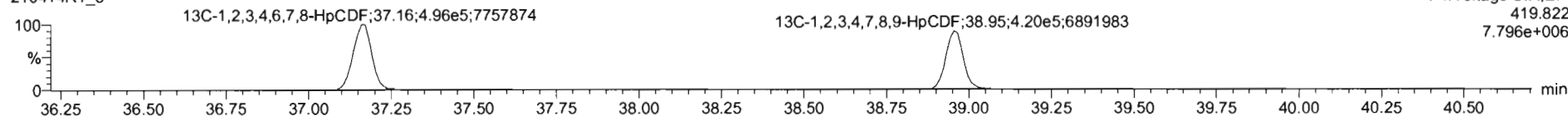
13C-1,2,3,4,6,7,8-HpCDF

210414R1_5



F4:Voltage SIR,EI+
417.825
3.436e+006

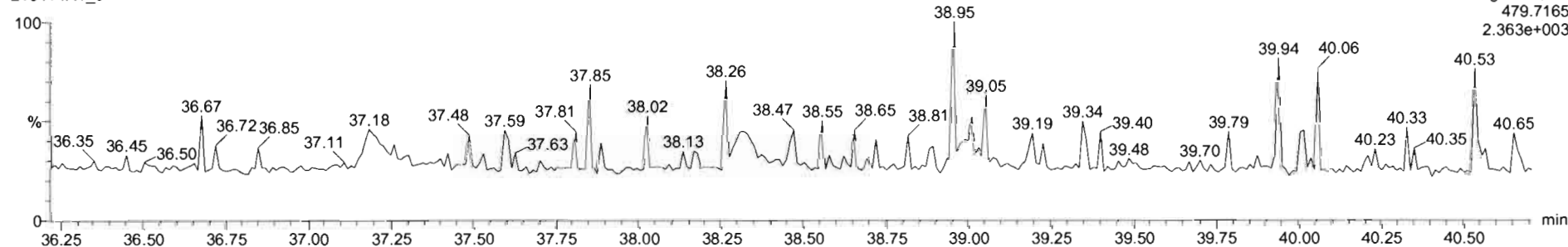
210414R1_5



F4:Voltage SIR,EI+
419.822
7.796e+006

DPE4

210414R1_5



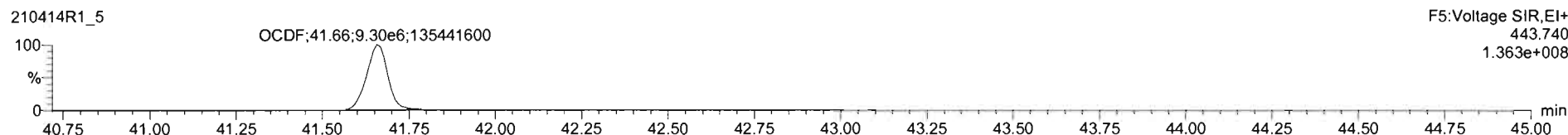
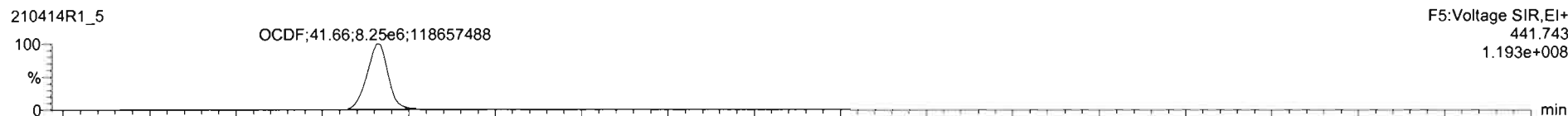
F4:Voltage SIR,EI+
479.7165
2.363e+003

Dataset: Untitled

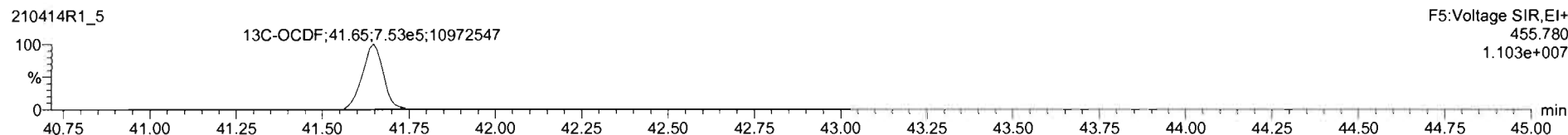
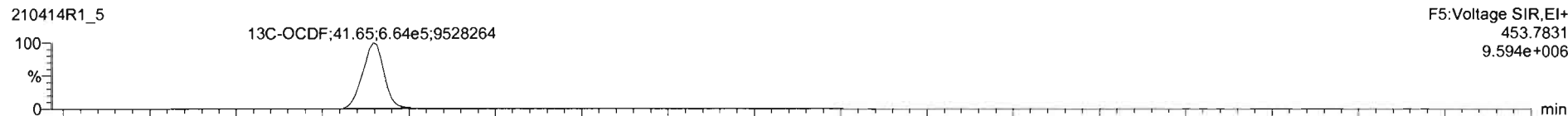
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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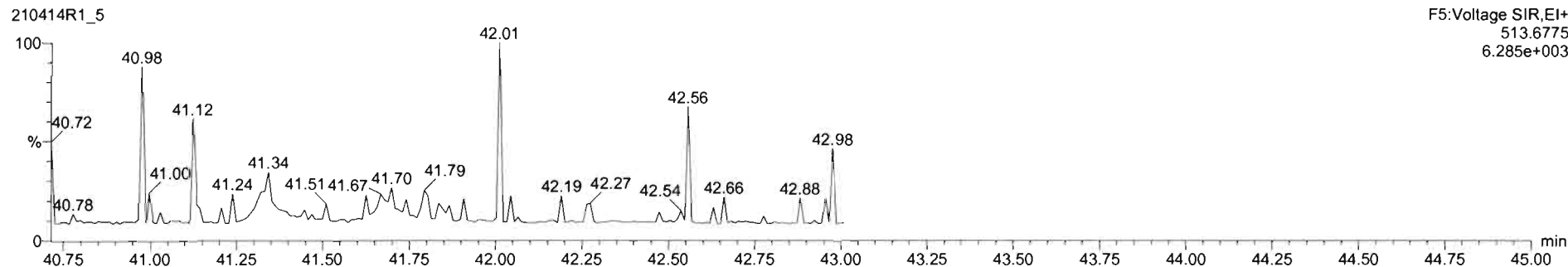
OCDF



13C-OCDF



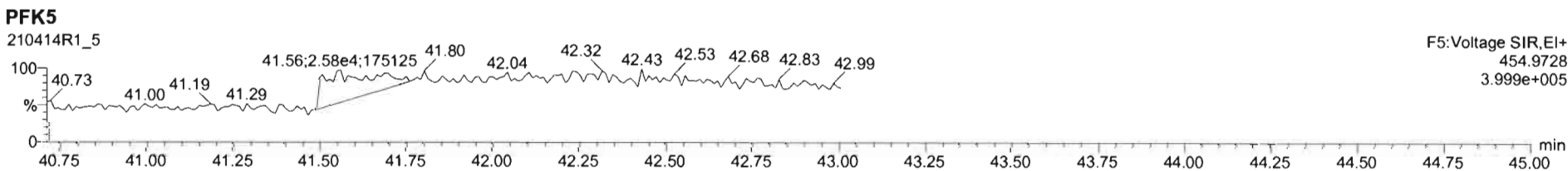
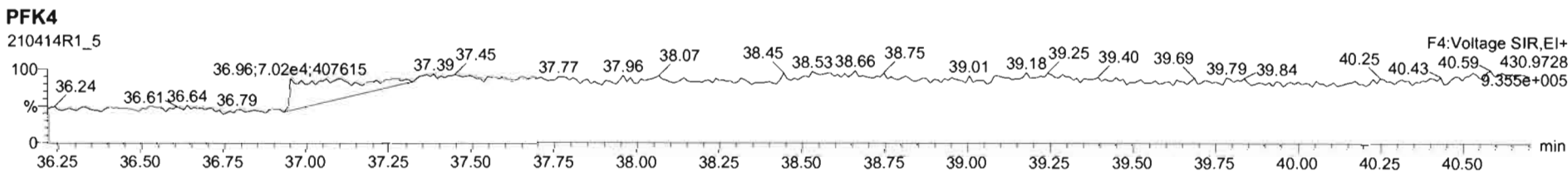
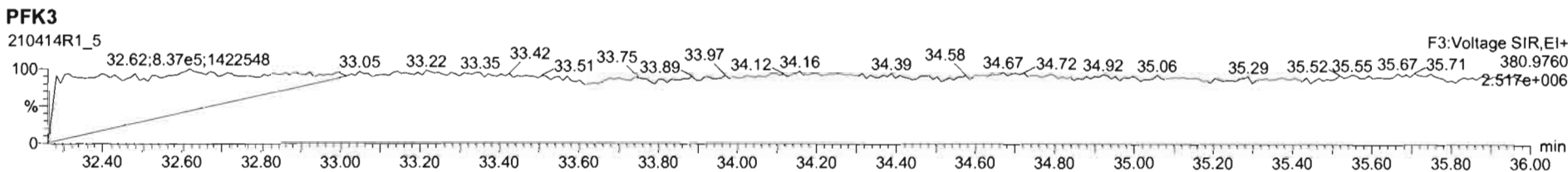
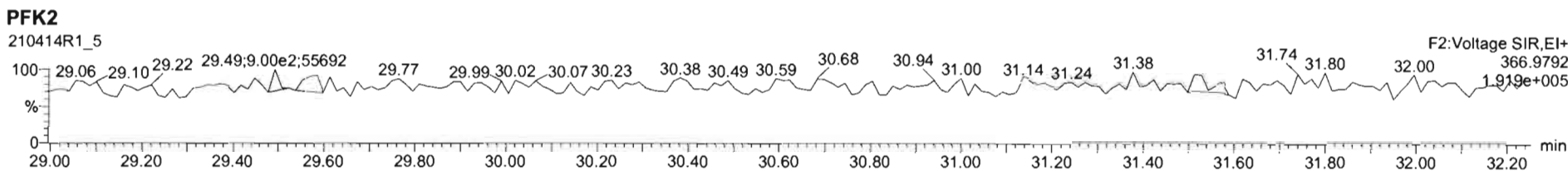
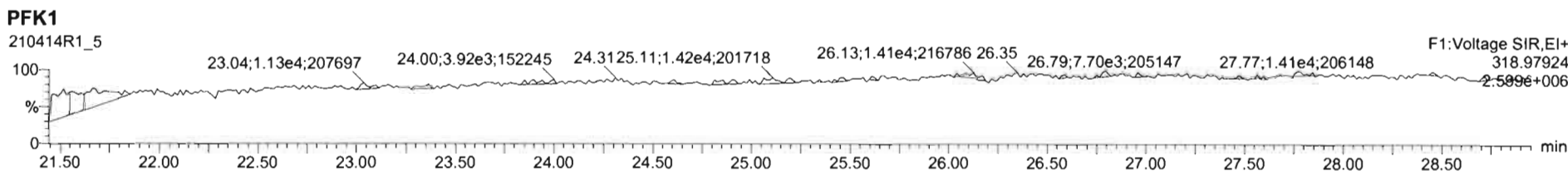
DPE5



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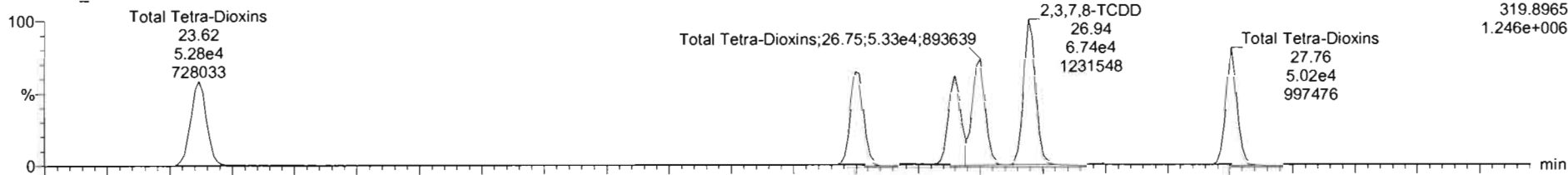
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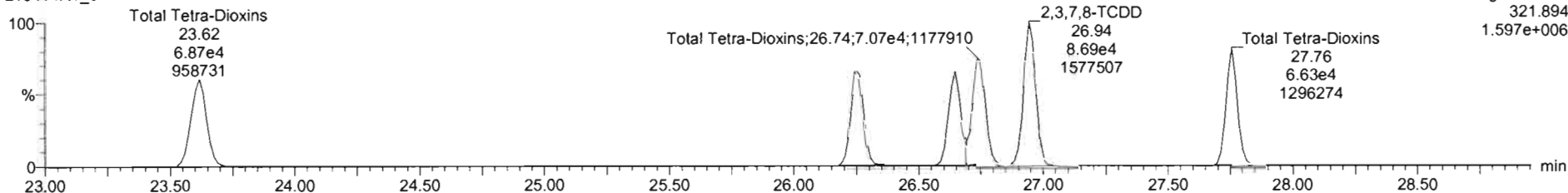
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2,3,7,8-TCDD

210414R1_6

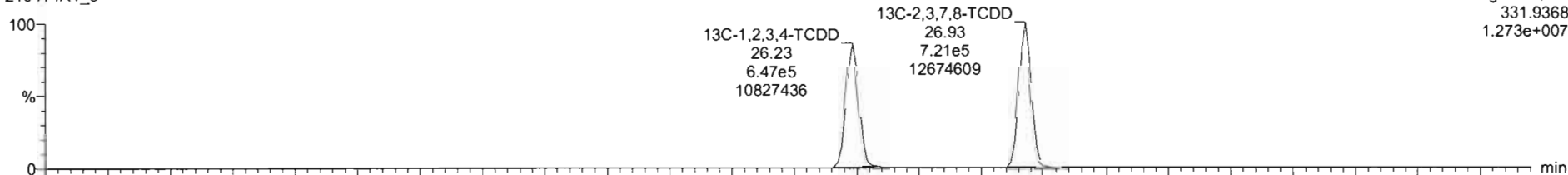


210414R1_6

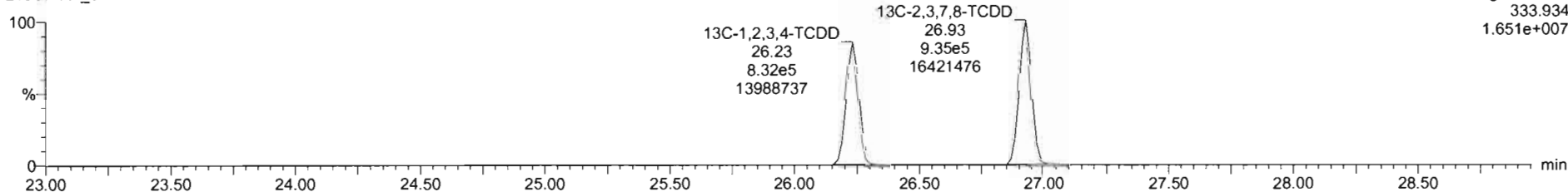


13C-2,3,7,8-TCDD

210414R1_6



210414R1_6



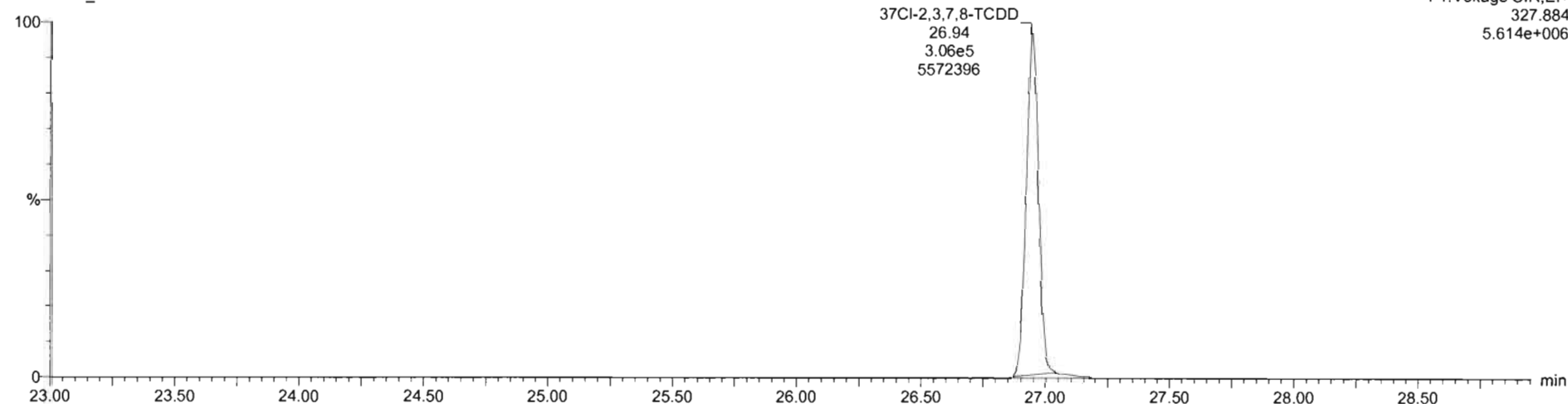
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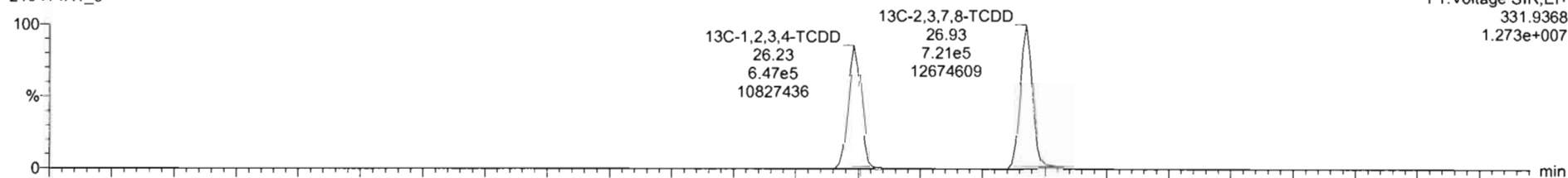
37Cl-2,3,7,8-TCDD

210414R1_6

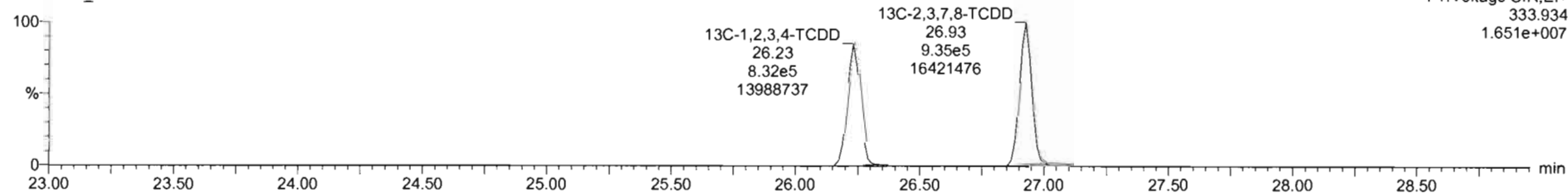


13C-1,2,3,4-TCDD

210414R1_6



210414R1_6

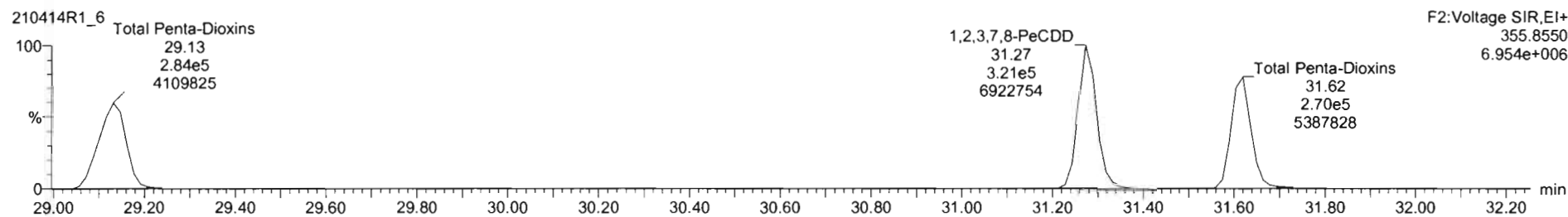
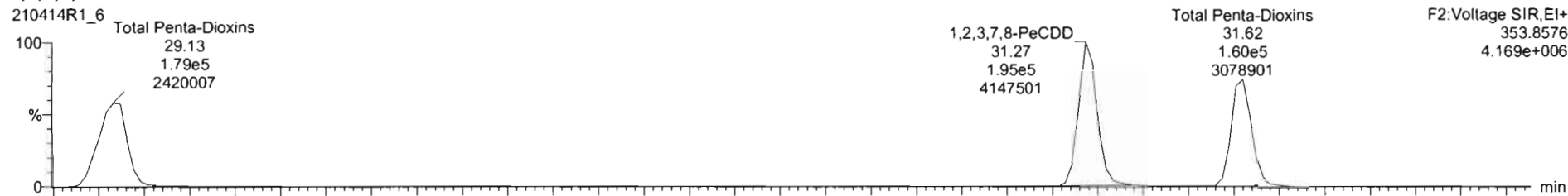


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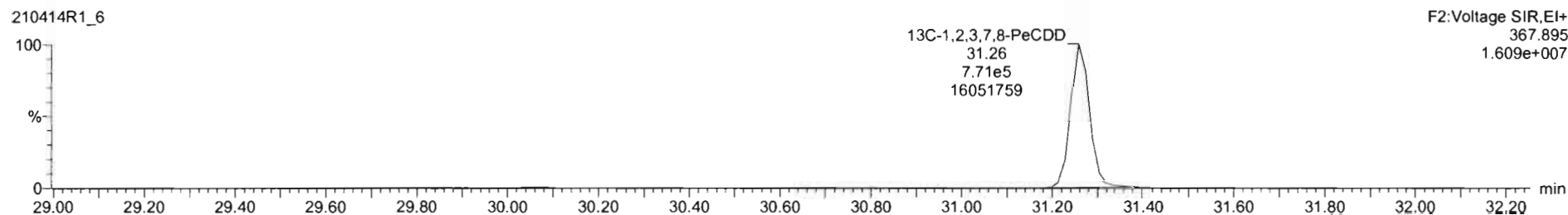
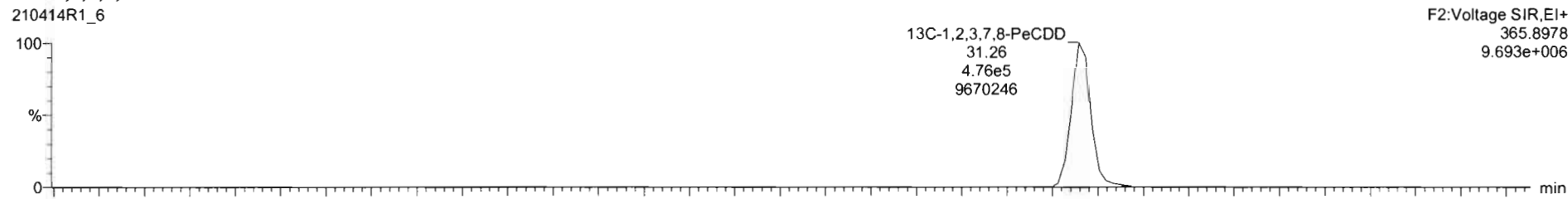
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1,2,3,7,8-PeCDD



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



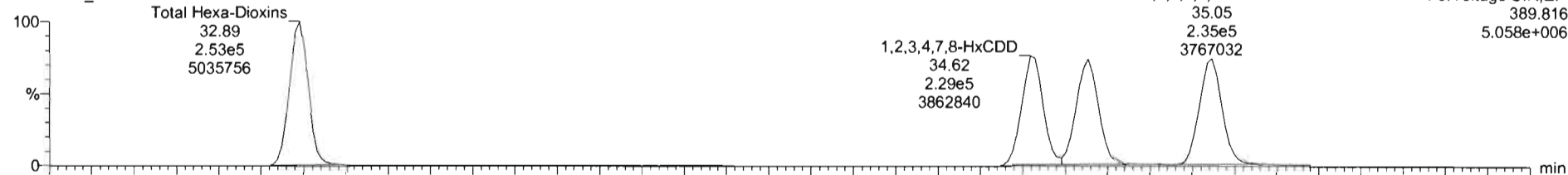
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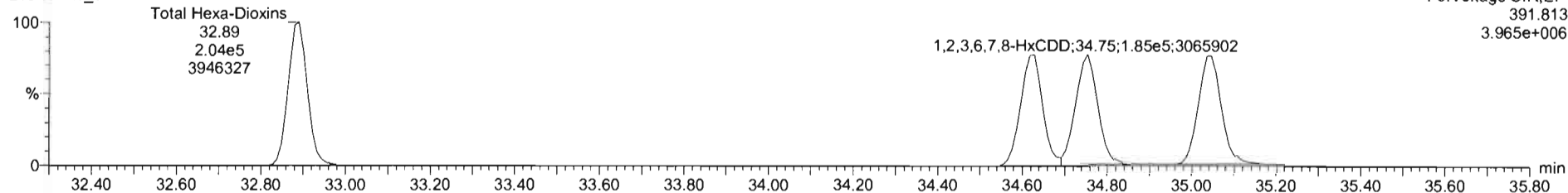
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1,2,3,4,7,8-HxCDD

210414R1_6

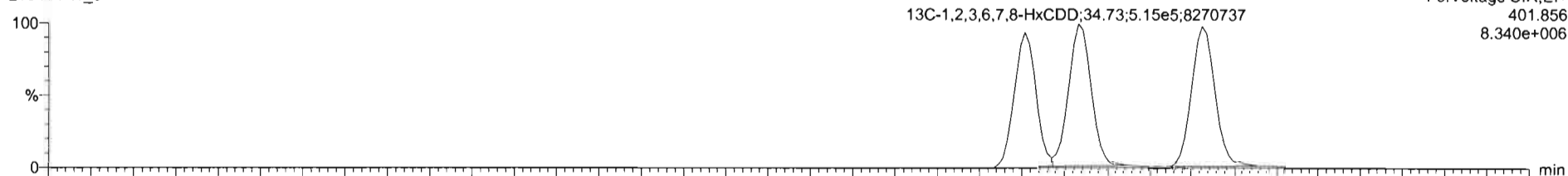


210414R1_6

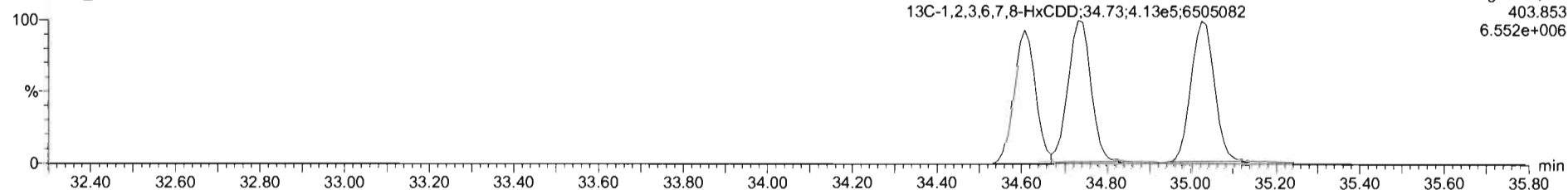


13C-1,2,3,4,7,8-HxCDD

210414R1_6



210414R1_6



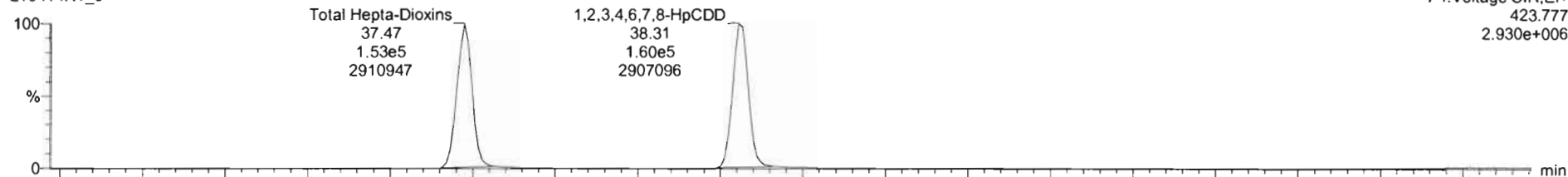
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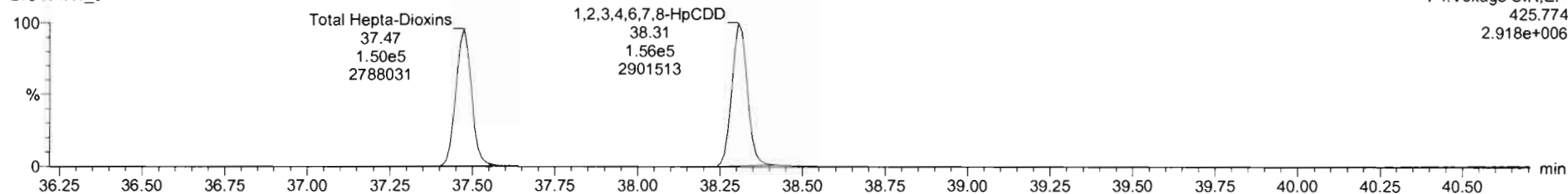
1,2,3,4,6,7,8-HpCDD

210414R1_6



F4:Voltage SIR,EI+
423.777
2.930e+006

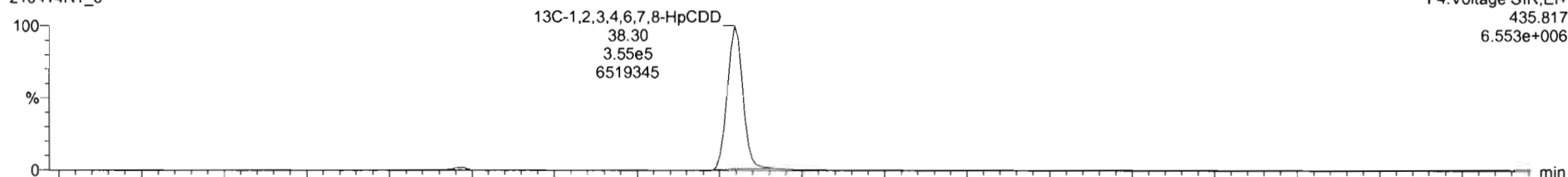
210414R1_6



F4:Voltage SIR,EI+
425.774
2.918e+006

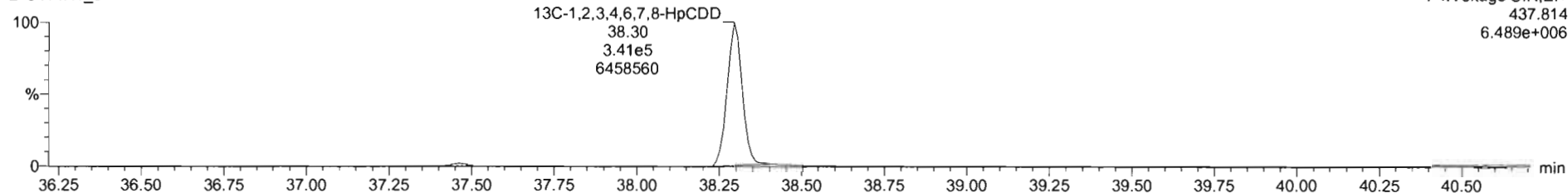
13C-1,2,3,4,6,7,8-HpCDD

210414R1_6



F4:Voltage SIR,EI+
435.817
6.553e+006

210414R1_6



F4:Voltage SIR,EI+
437.814
6.489e+006

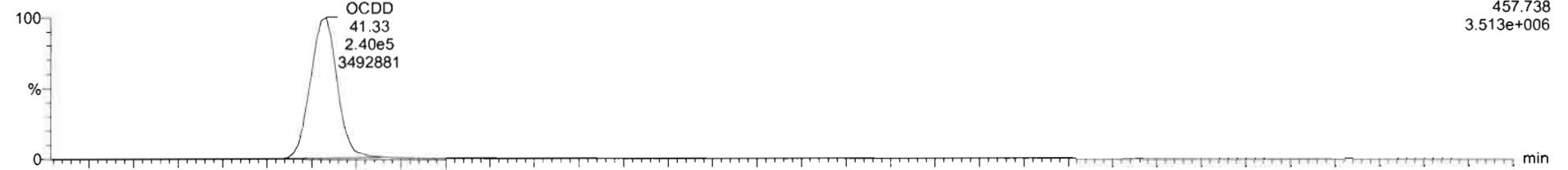
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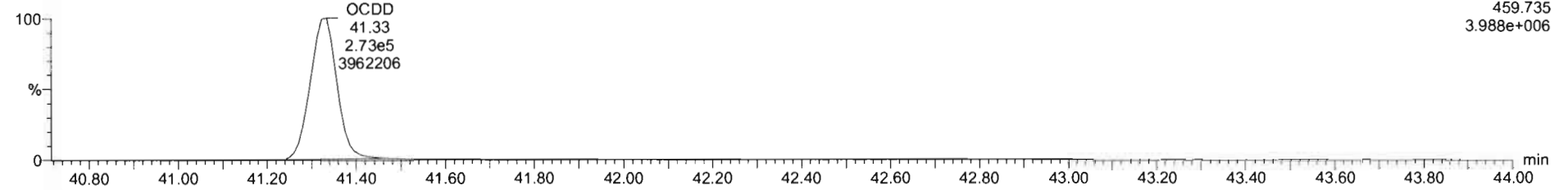
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OCDD

210414R1_6

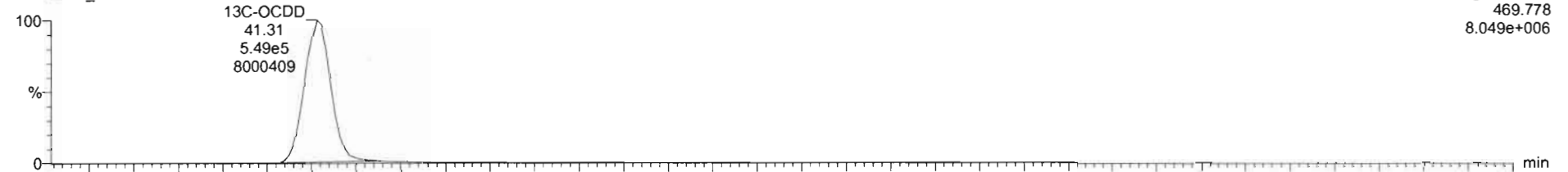


210414R1_6

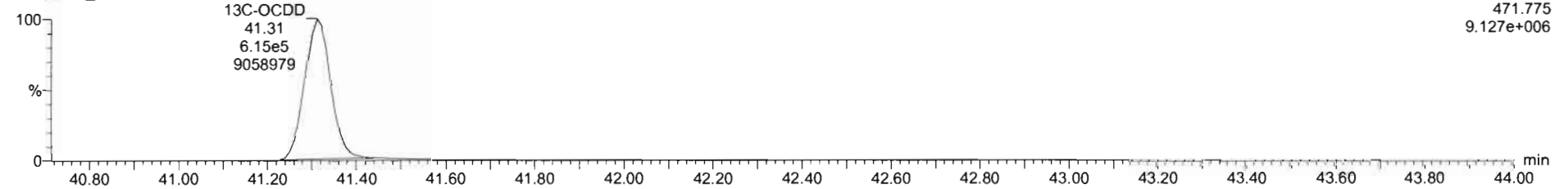


13C-OCDD

210414R1_6



210414R1_6

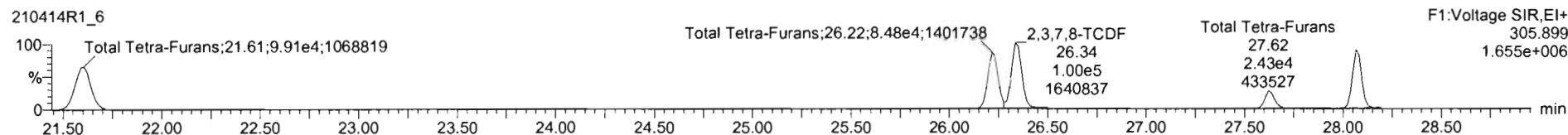
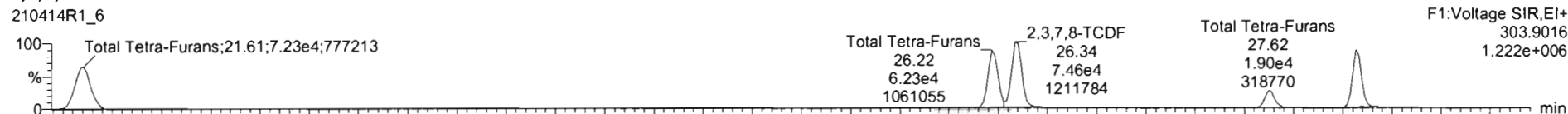


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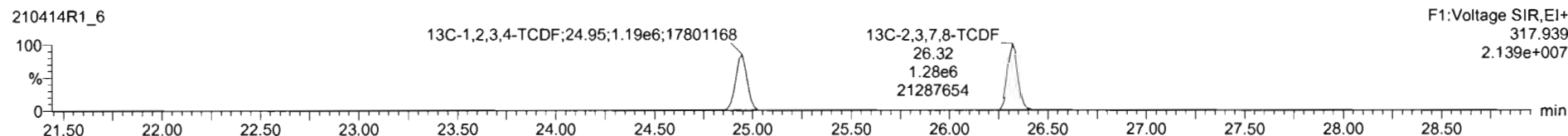
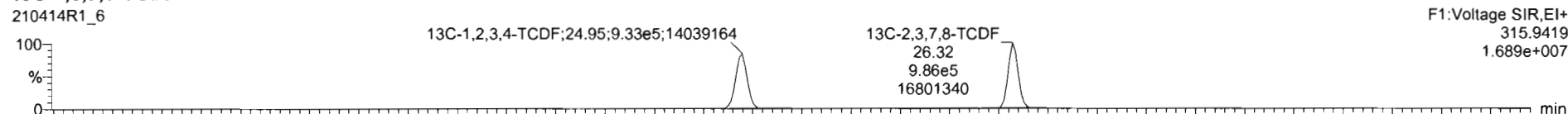
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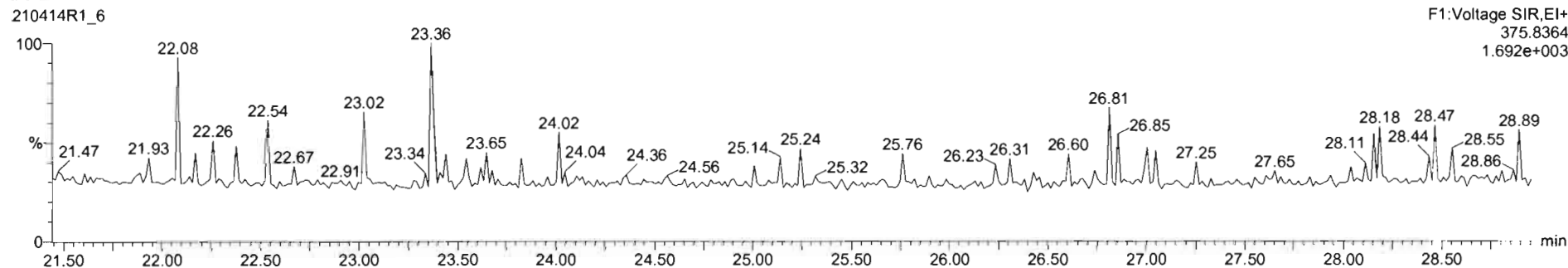
2,3,7,8-TCDF



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



DPE1



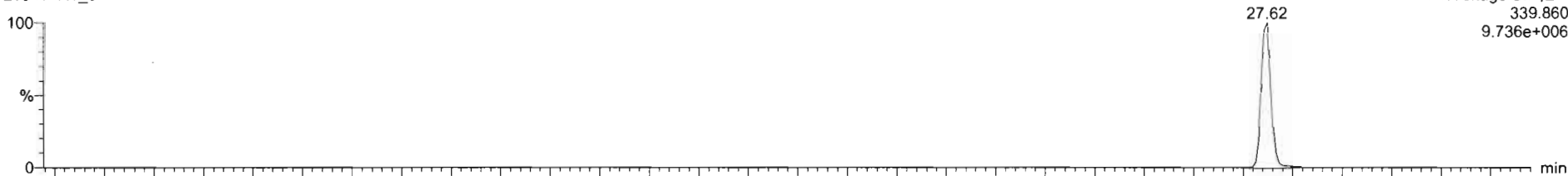
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

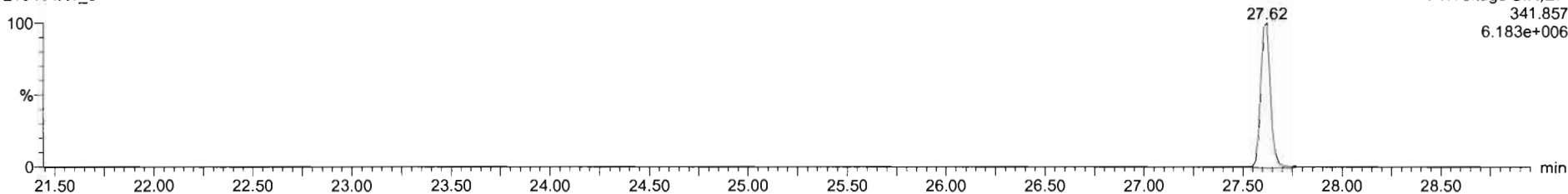
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1st Func. Penta-Furans

210414R1_6

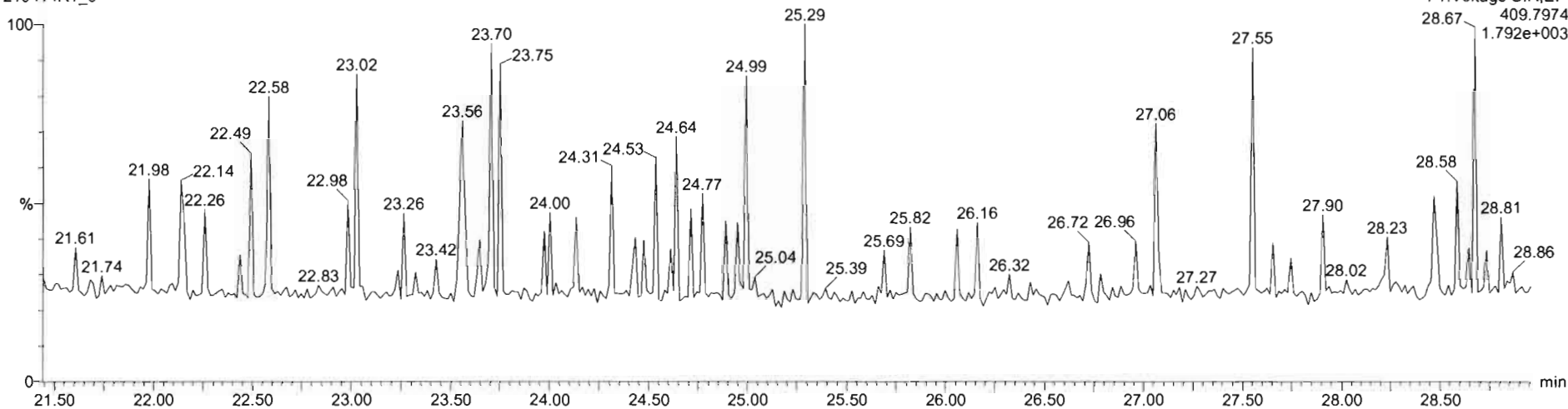


210414R1_6



DPE6

210414R1_6

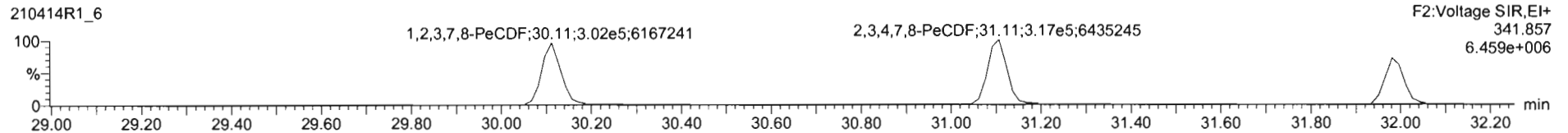
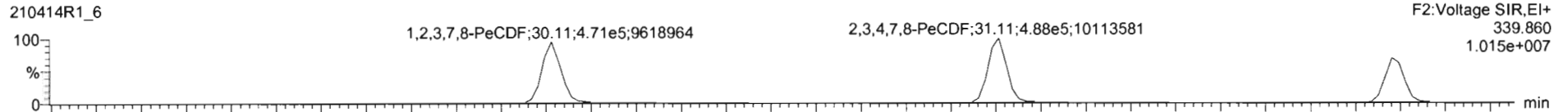


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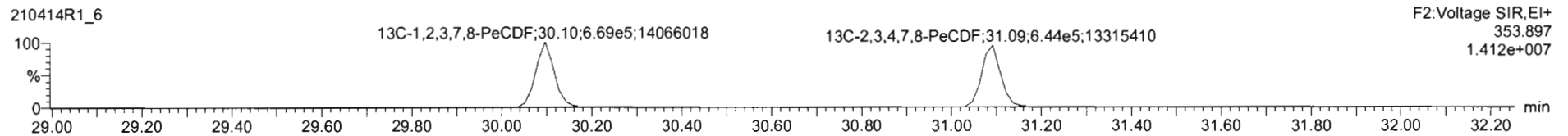
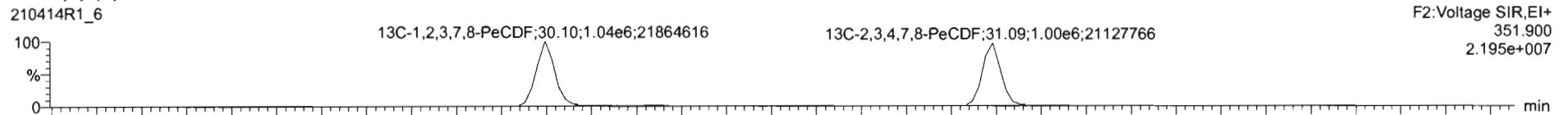
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Name: 210414R1_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

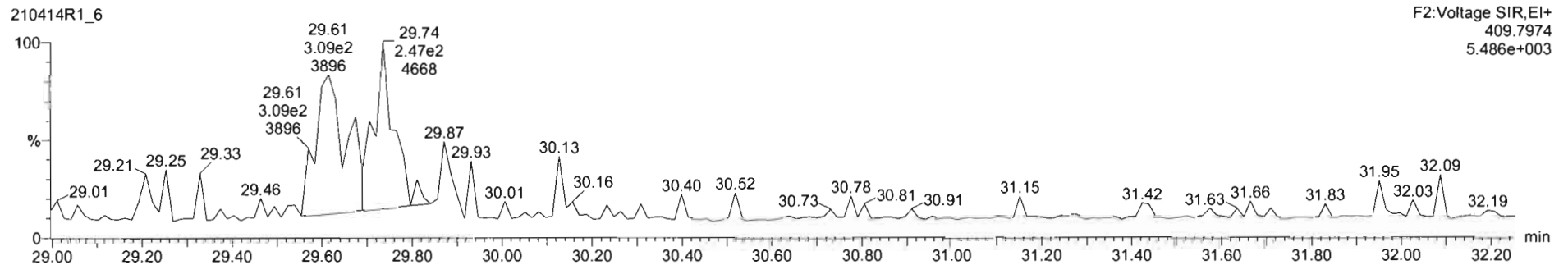
1,2,3,7,8-PeCDF



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



DPE2



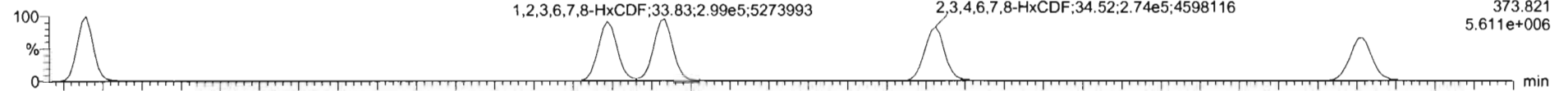
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

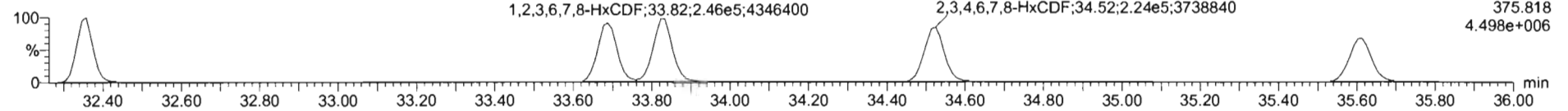
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1,2,3,4,7,8-HxCDF

210414R1_6

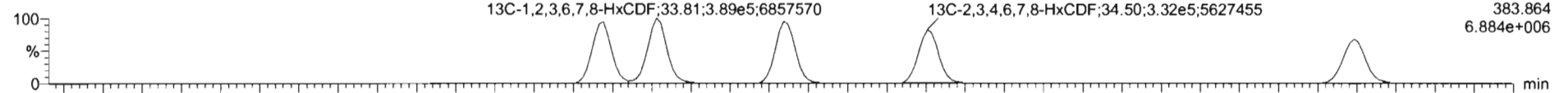


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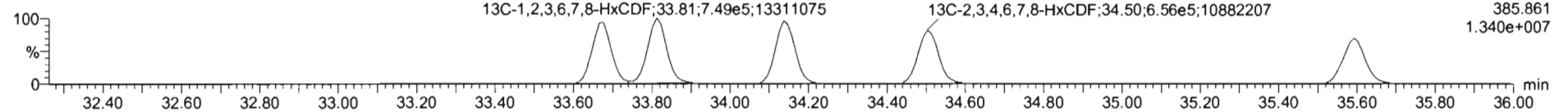


13C-1,2,3,4,7,8-HxCDF

210414R1_6

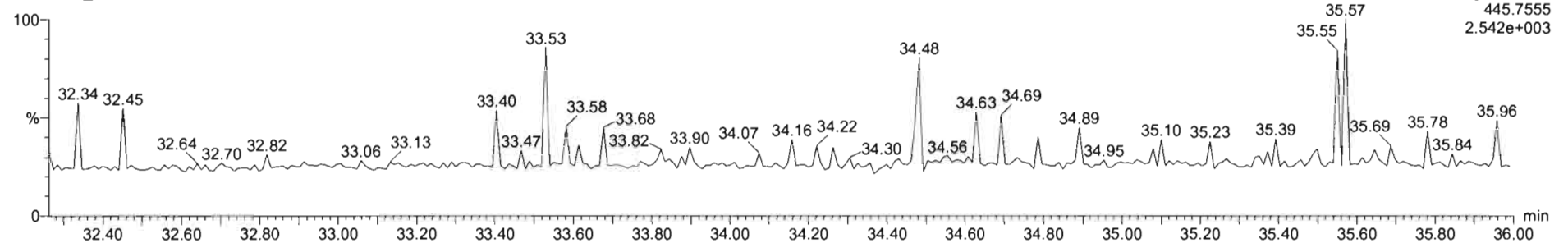


210414R1_6



DPE3

210414R1_6



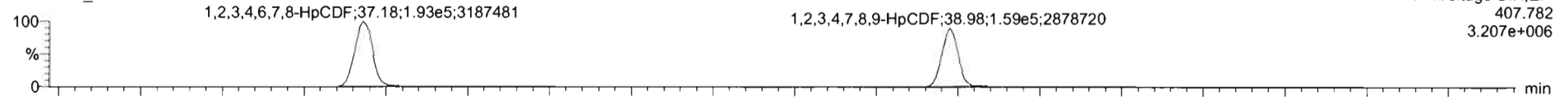
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

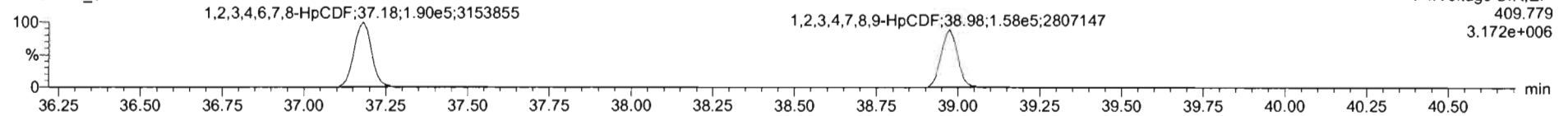
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1,2,3,4,6,7,8-HpCDF

210414R1_6

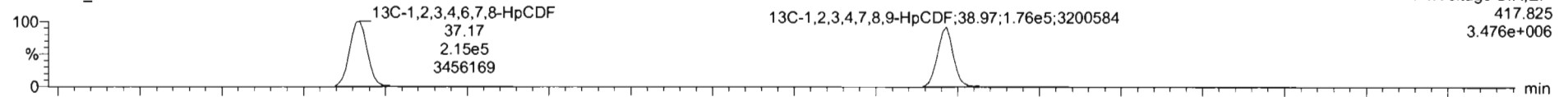


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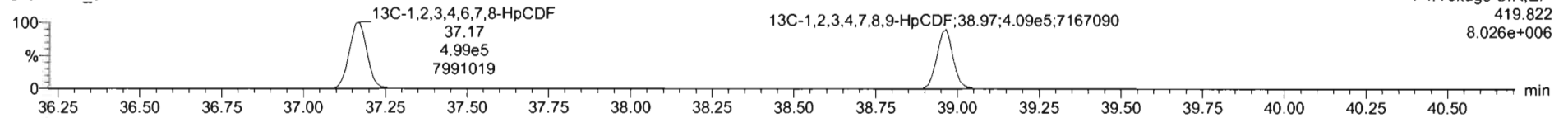


13C-1,2,3,4,6,7,8-HpCDF

210414R1_6

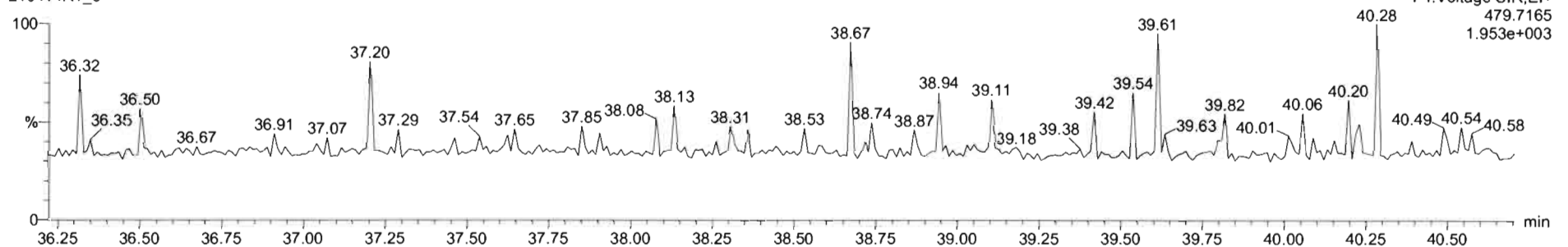


210414R1_6



DPE4

210414R1_6

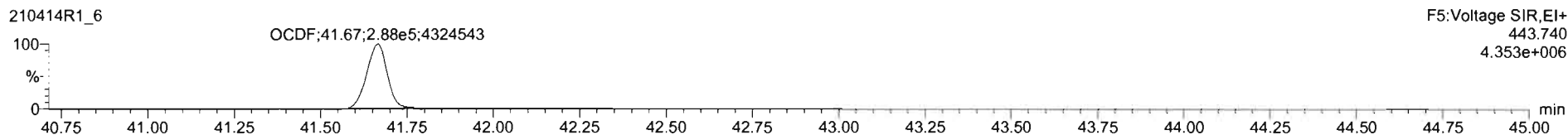
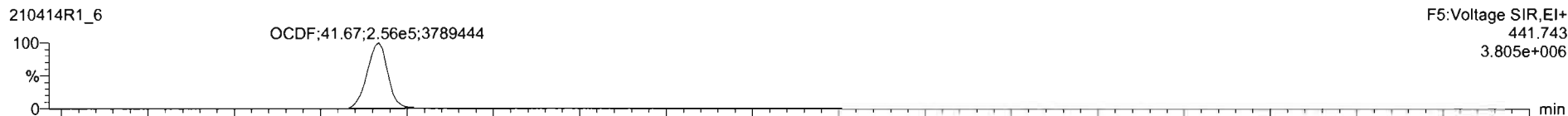


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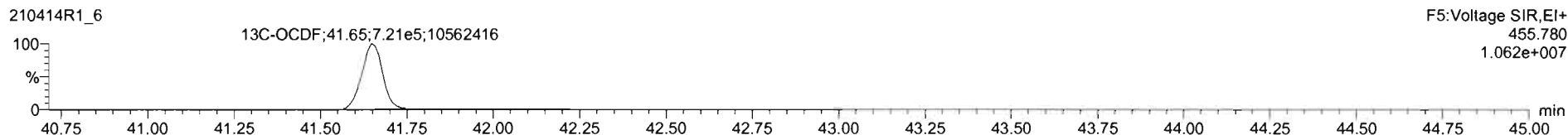
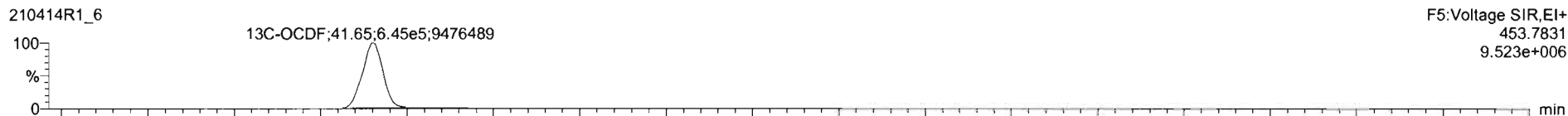
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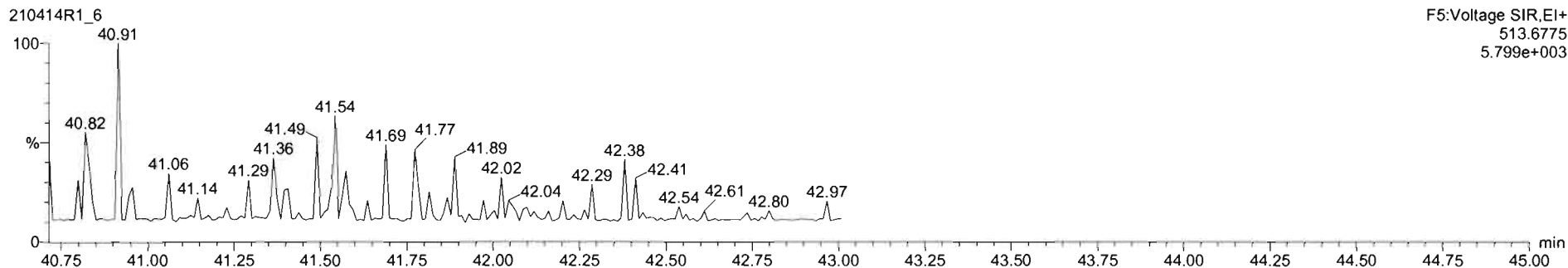
OCDF



13C-OCDF



DPE5



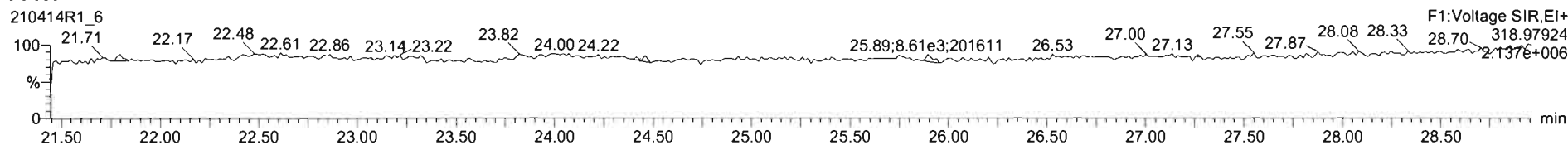
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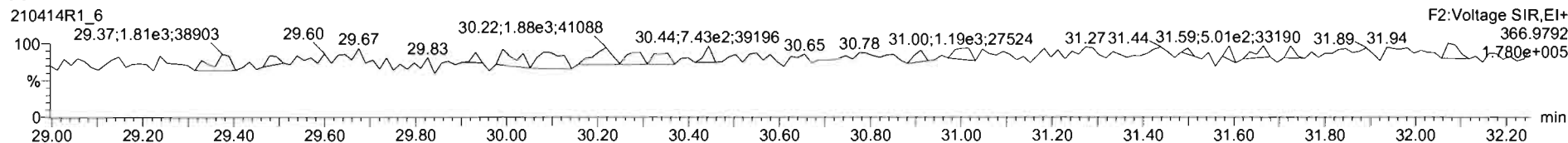
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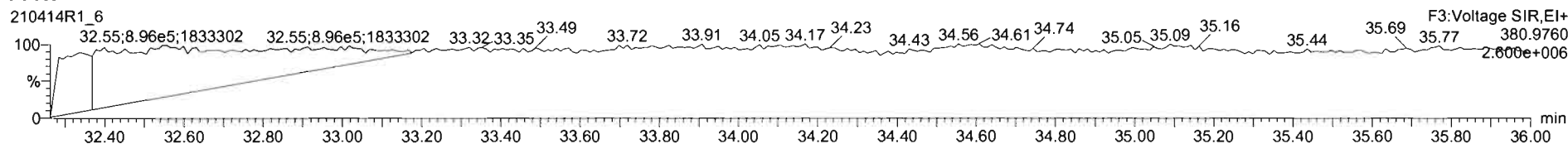
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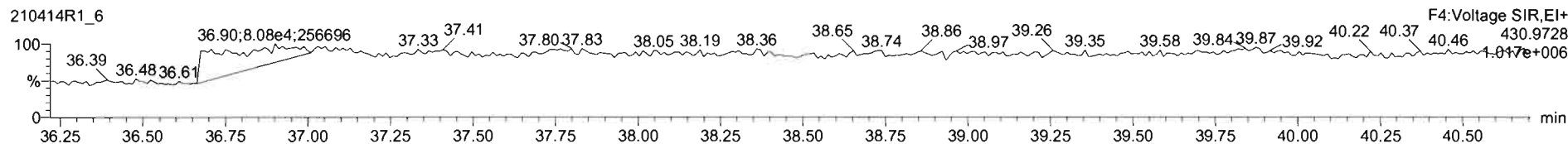
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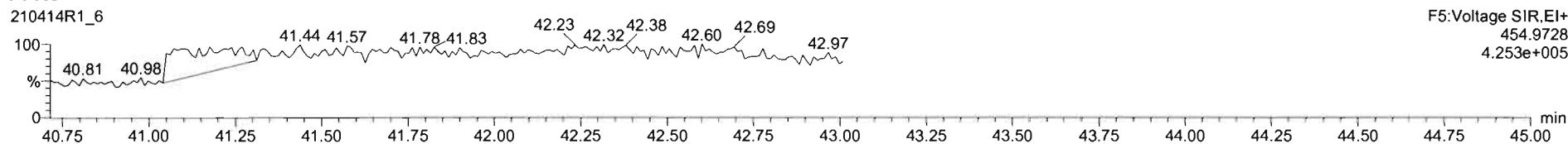
PFK3



PFK4

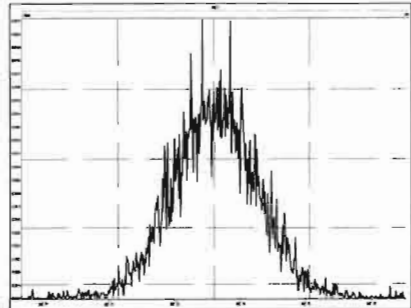


PFK5

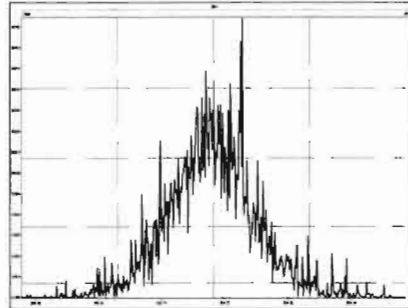


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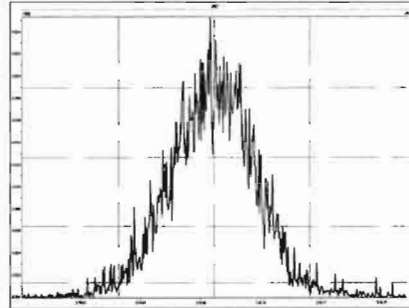
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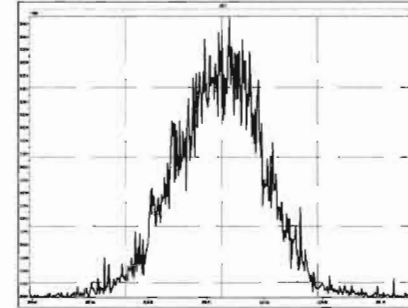
M 304.9824 R 11765



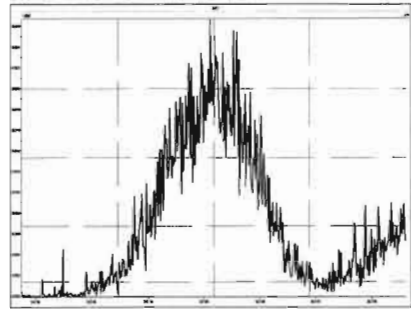
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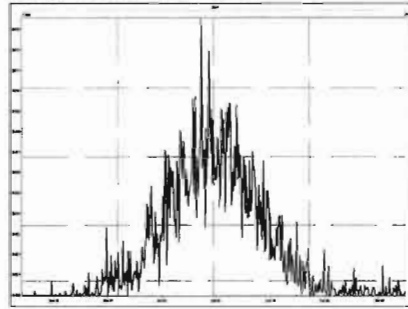
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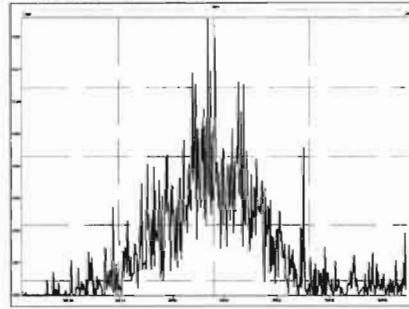
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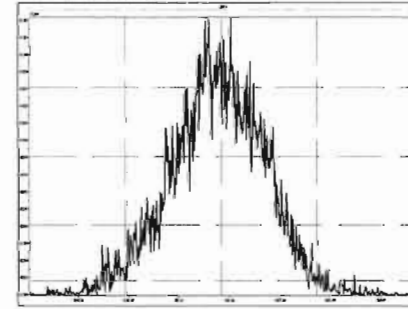
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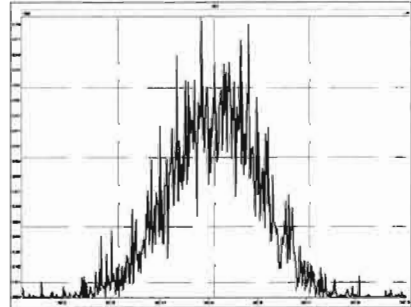
M 366.9792 R 13208



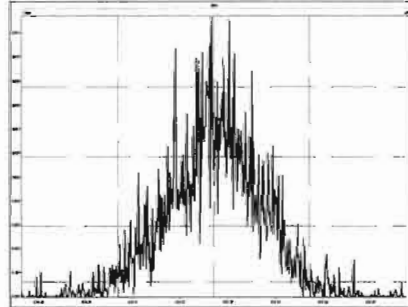
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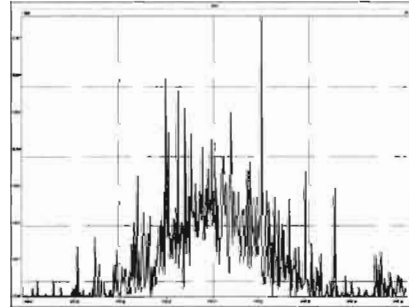
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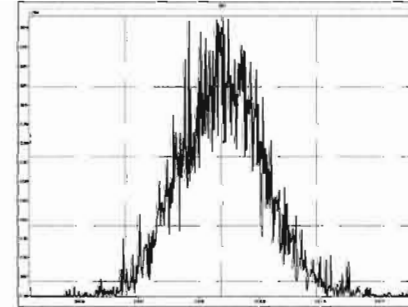
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M 416.9760 R 17057

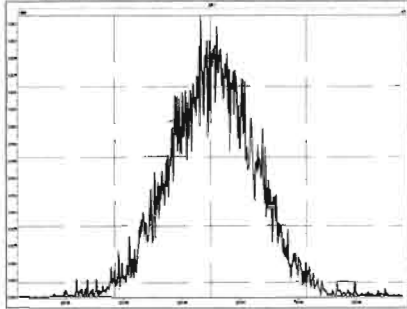


M 318.9792 R 11338

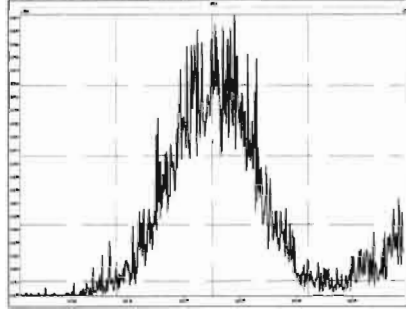


Printed: Wednesday, April 14, 2021 15:27:19 Pacific Daylight Time

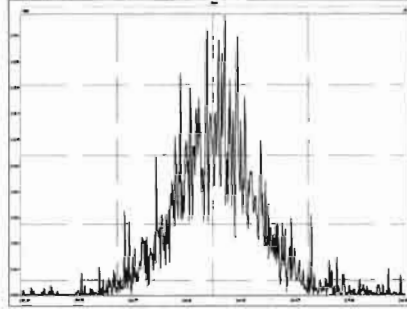
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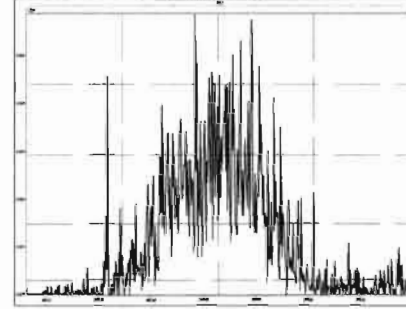
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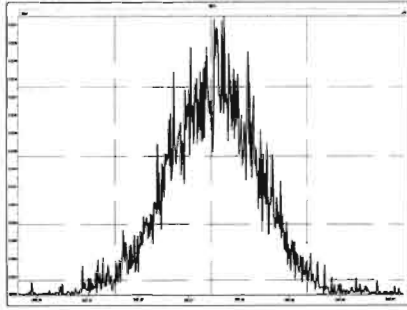
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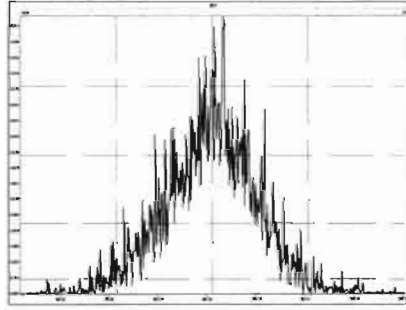
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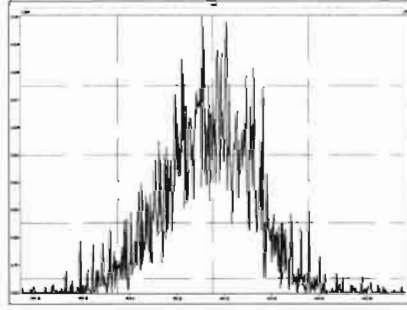
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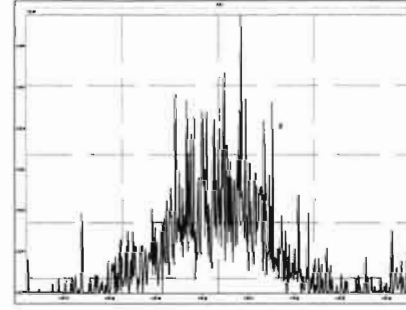
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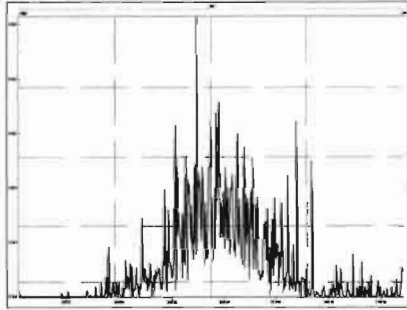
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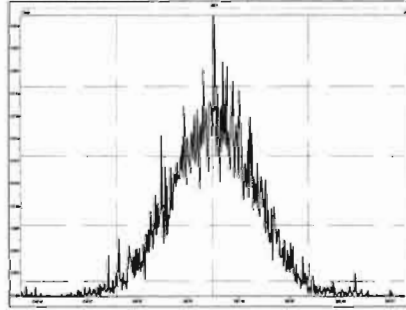
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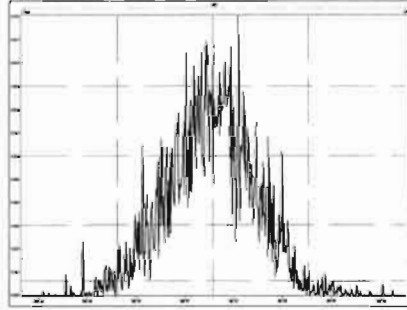
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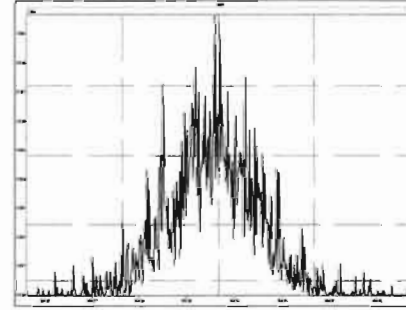
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M 392.9760 R 12392

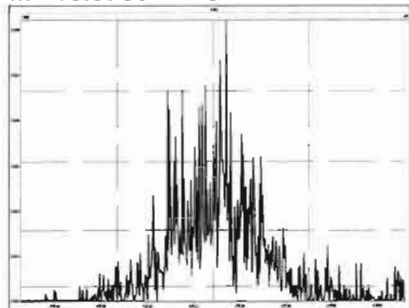


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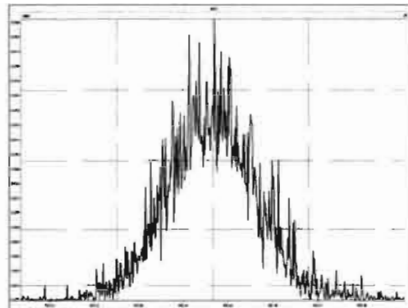


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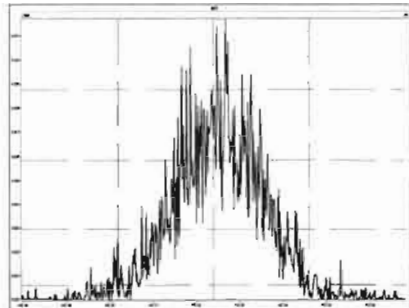
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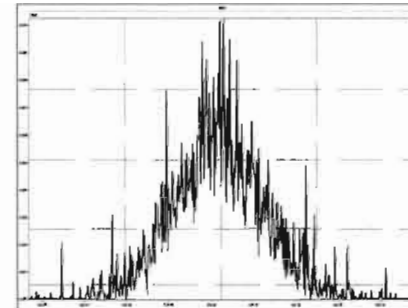
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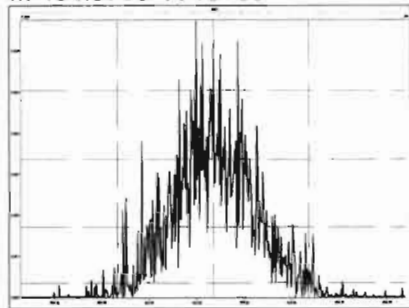
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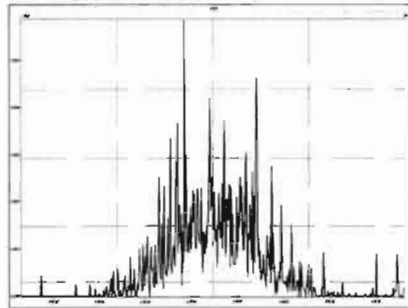
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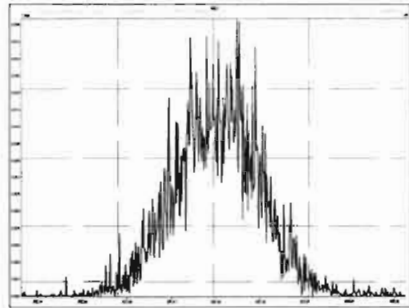
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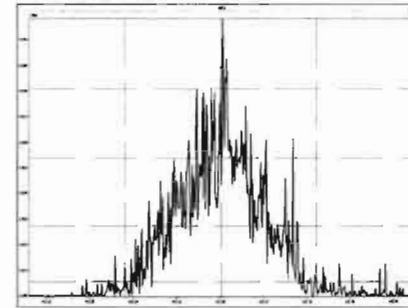
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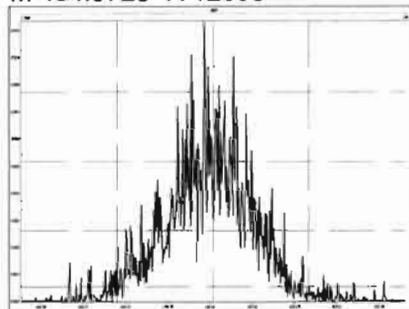
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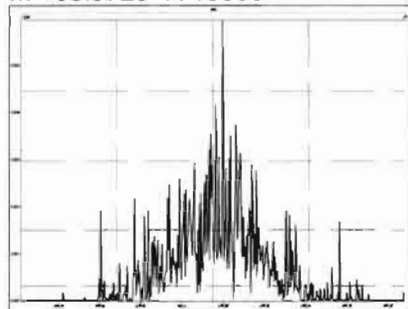
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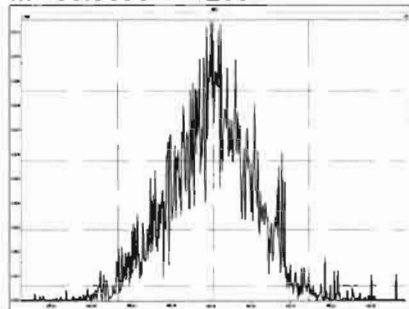
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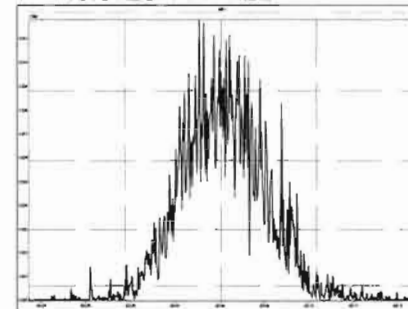
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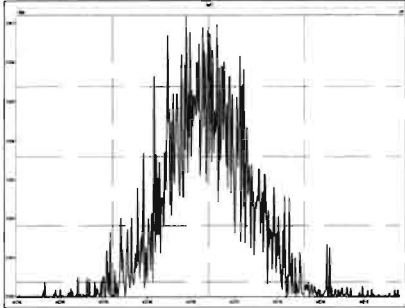
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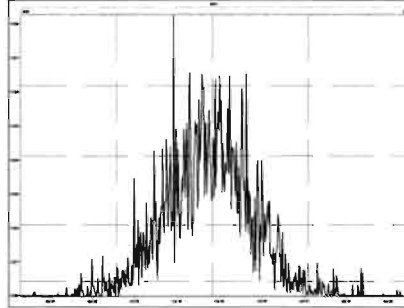
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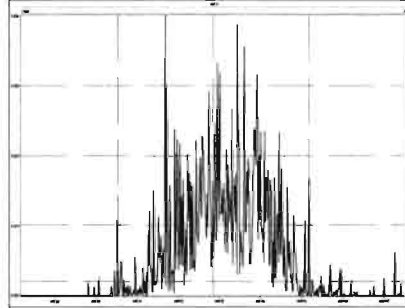
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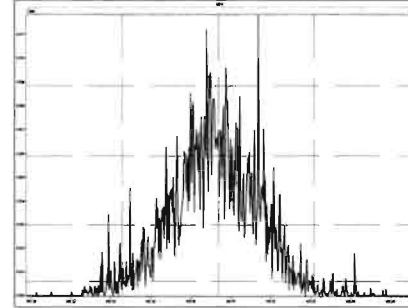
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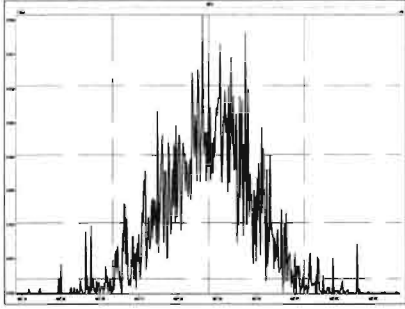
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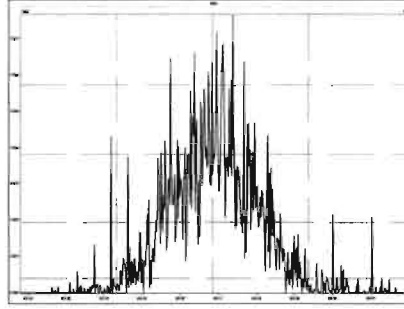
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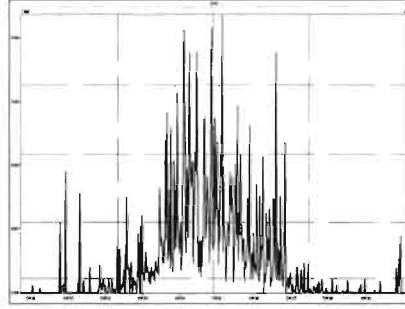
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M 504.9696 R 15745



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

HIN 04/15/21
DF04/15/21

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23
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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

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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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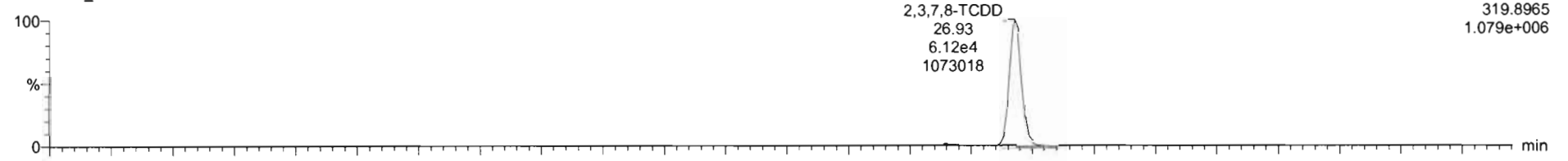
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

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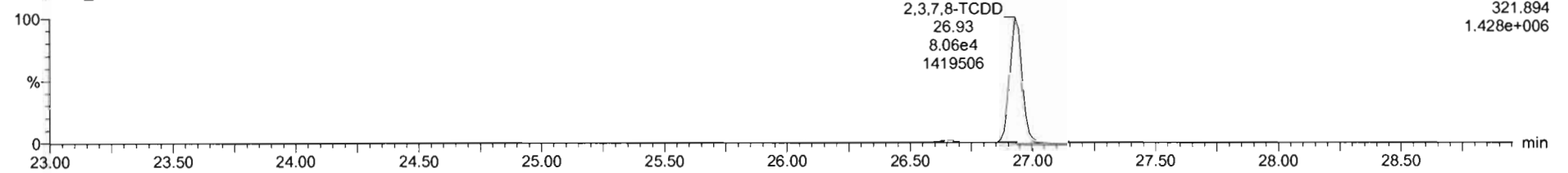
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2,3,7,8-TCDD

210414R1_7

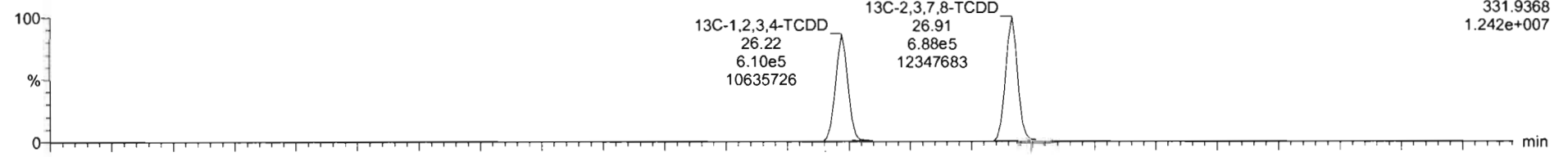


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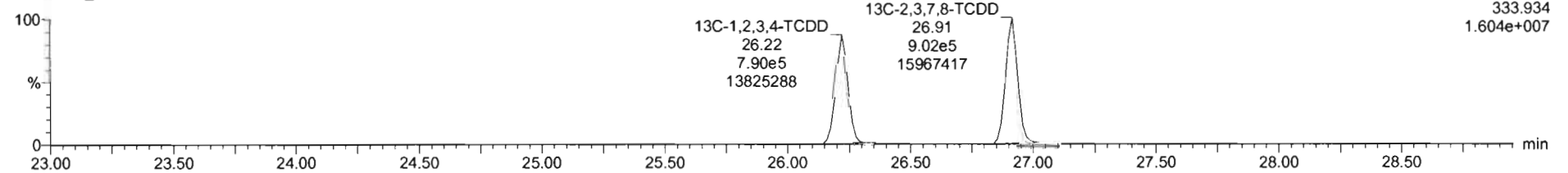


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210414R1_7



210414R1_7



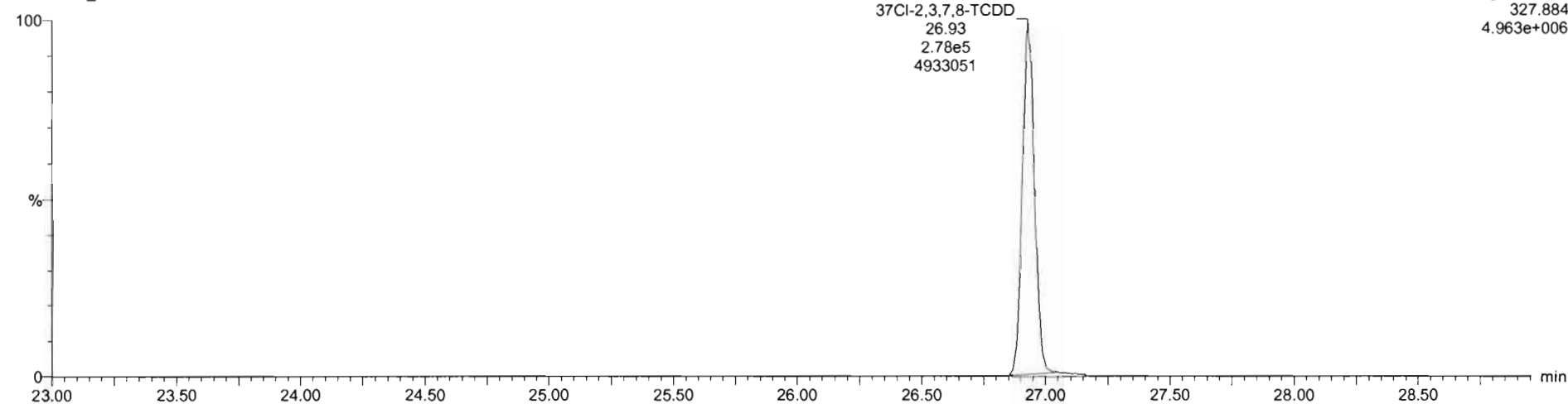
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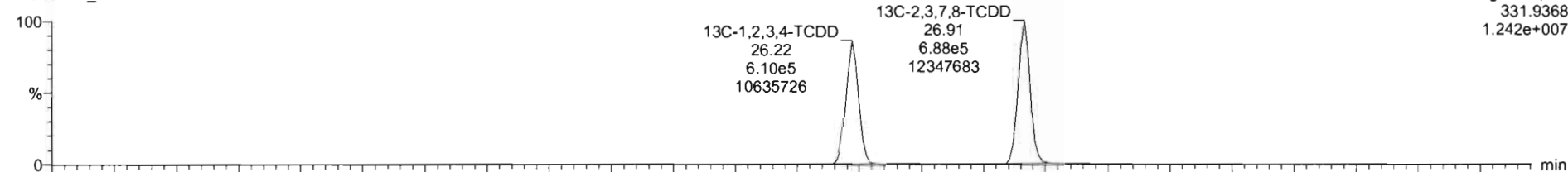
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210414R1_7

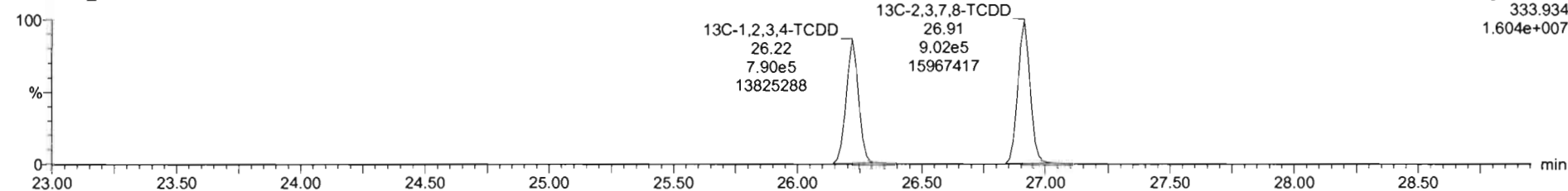


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210414R1_7



210414R1_7



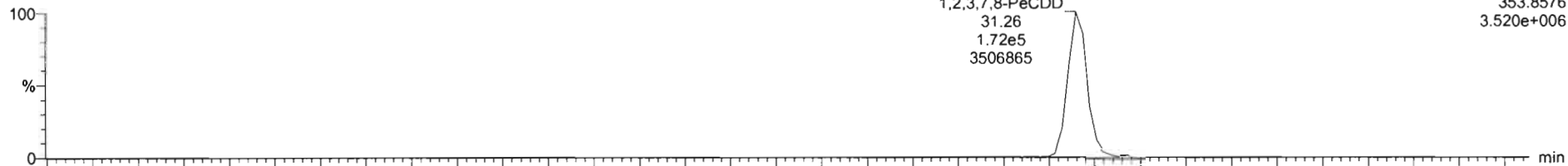
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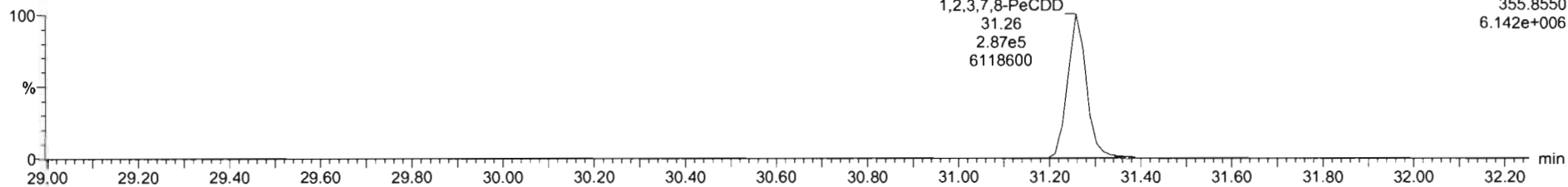
1,2,3,7,8-PeCDD

210414R1_7



F2:Voltage SIR,EI+
353.8576
3.520e+006

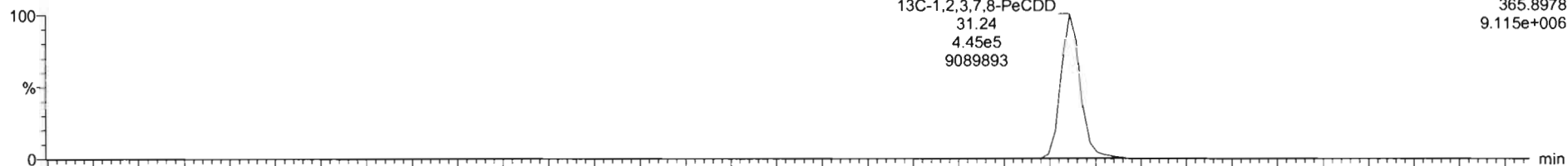
210414R1_7



F2:Voltage SIR,EI+
355.8550
6.142e+006

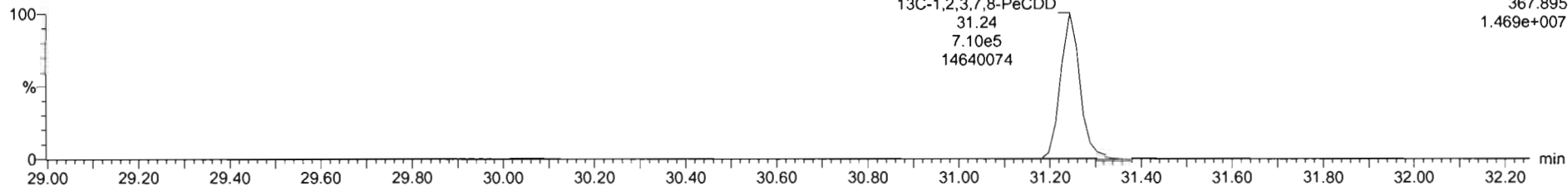
13C-1,2,3,7,8-PeCDD

210414R1_7



F2:Voltage SIR,EI+
365.8978
9.115e+006

210414R1_7



F2:Voltage SIR,EI+
367.895
1.469e+007

Dataset: Untitled

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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

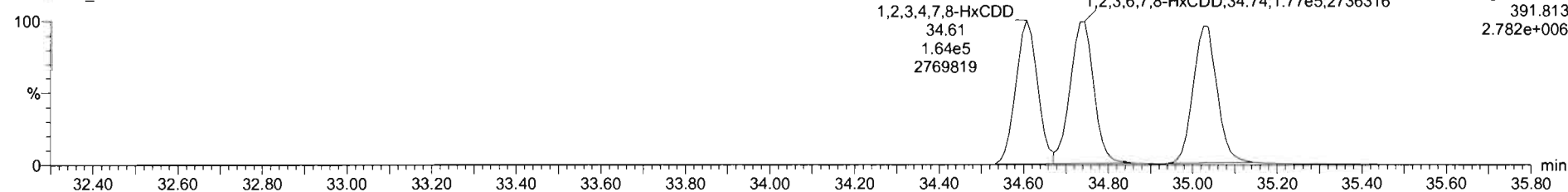
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1,2,3,4,7,8-HxCDD

210414R1_7

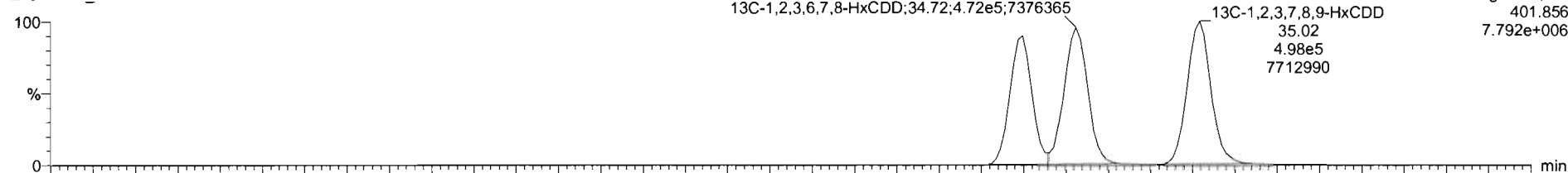


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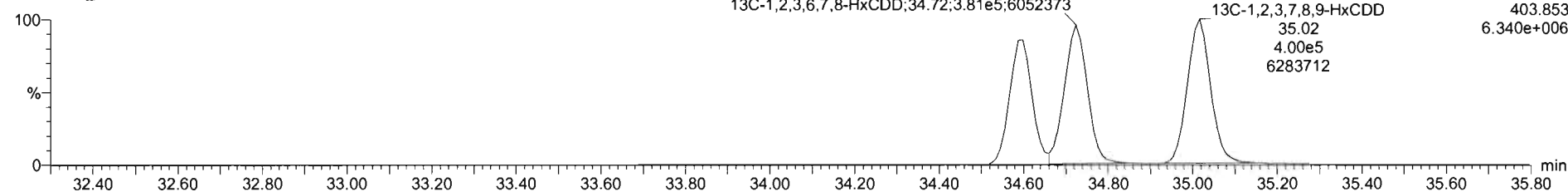


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210414R1_7



210414R1_7



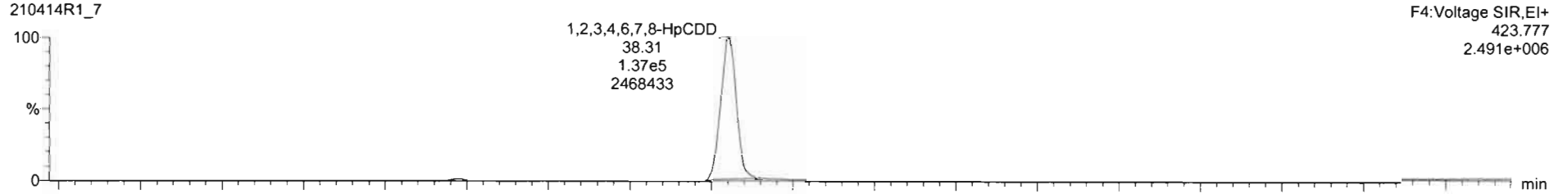
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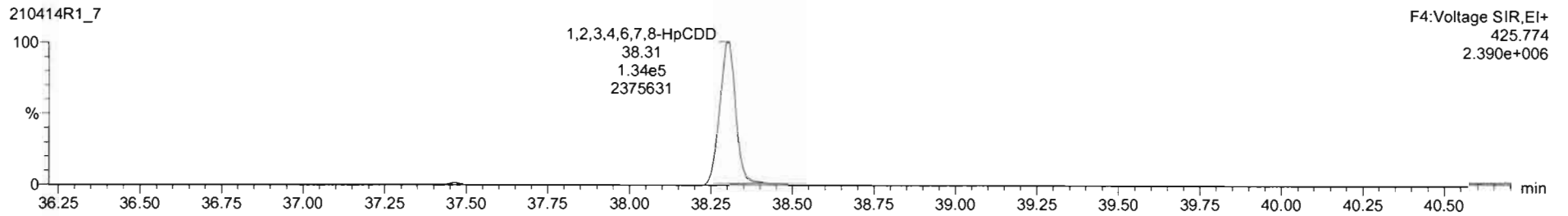
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1,2,3,4,6,7,8-HpCDD

210414R1_7

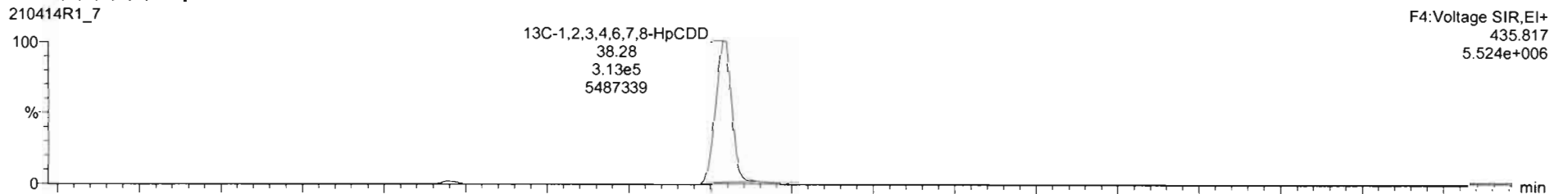


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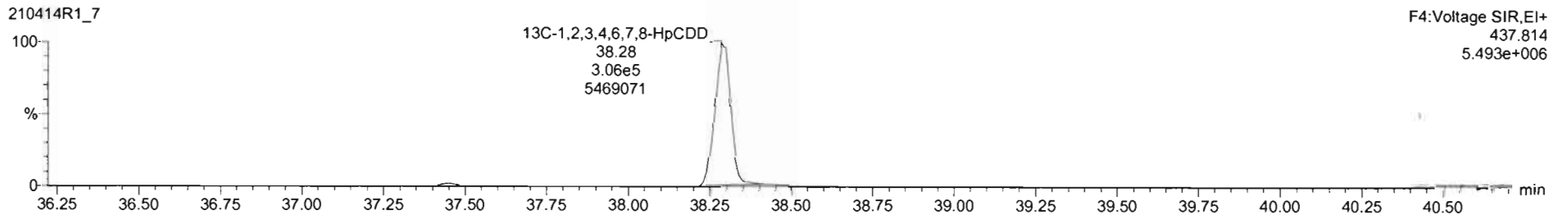


13C-1,2,3,4,6,7,8-HpCDD

210414R1_7



210414R1_7



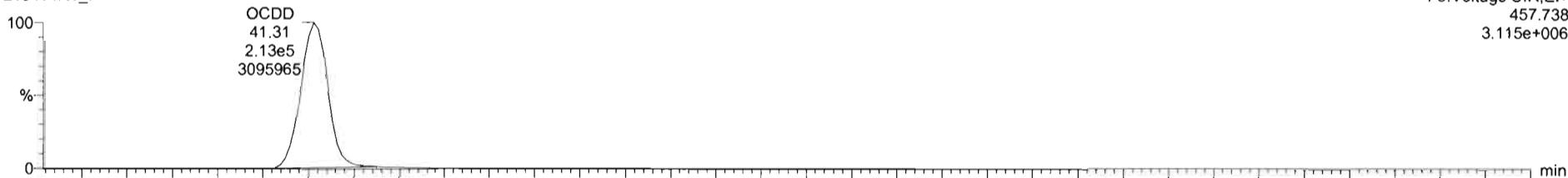
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Name: 210414R1_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

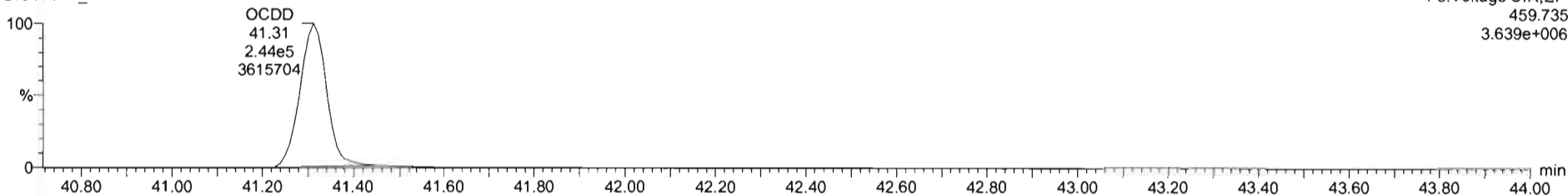
OCDD

210414R1_7



F5:Voltage SIR,EI+
457.738
3.115e+006

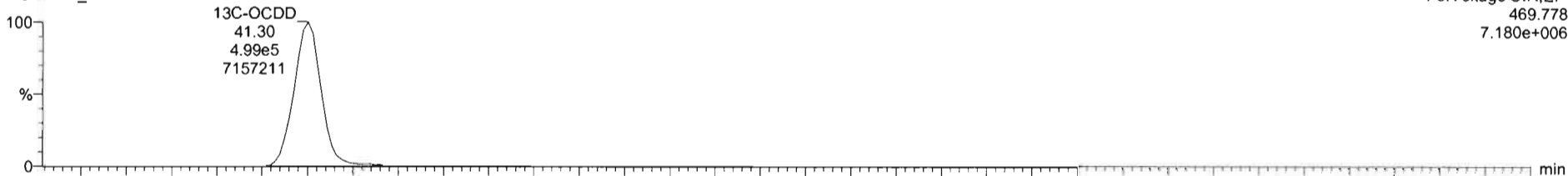
210414R1_7



F5:Voltage SIR,EI+
459.735
3.639e+006

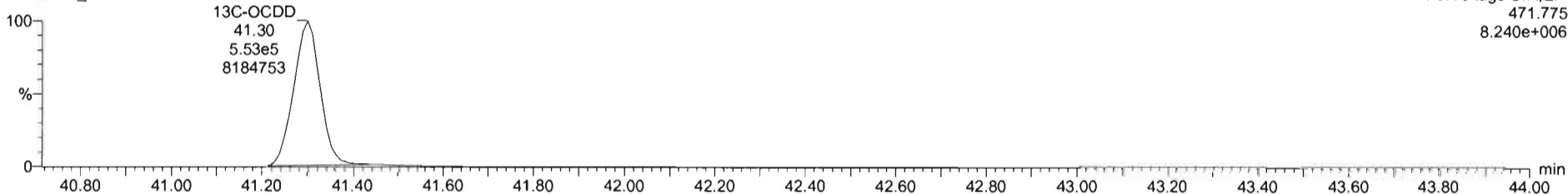
13C-OCDD

210414R1_7



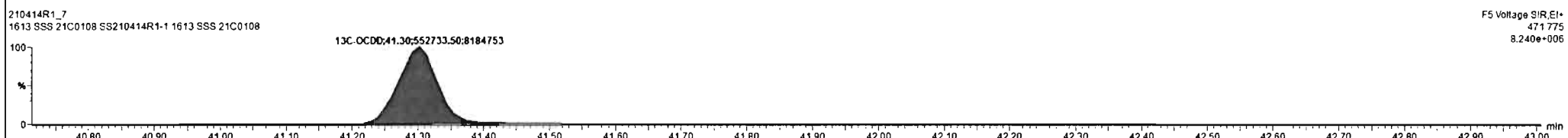
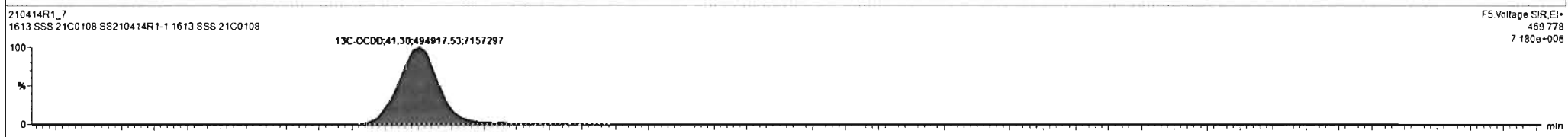
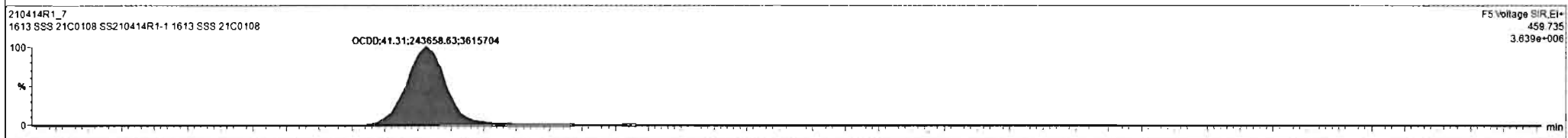
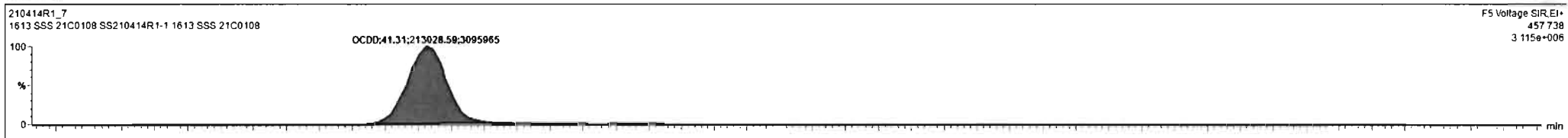
F5:Voltage SIR,EI+
469.778
7.180e+006

210414R1_7



F5:Voltage SIR,EI+
471.775
8.240e+006

Name	Resp	RA	nly	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



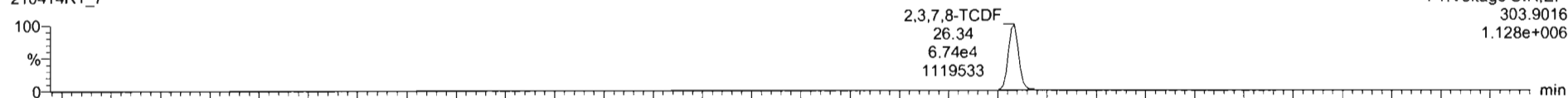
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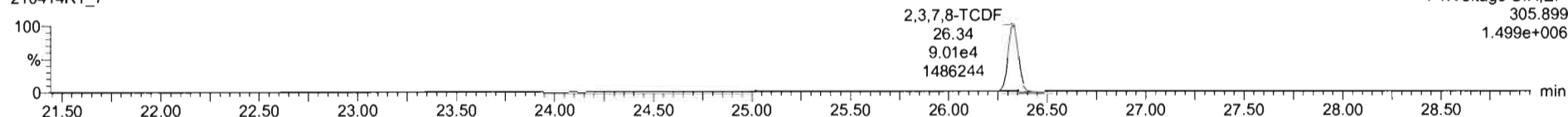
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2,3,7,8-TCDF

210414R1_7

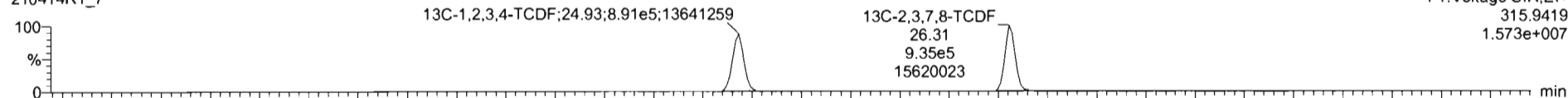


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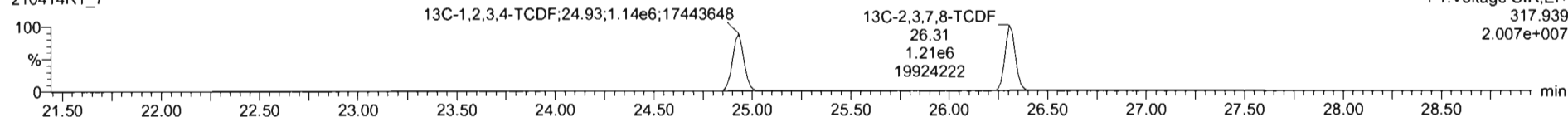


13C-2,3,7,8-TCDF

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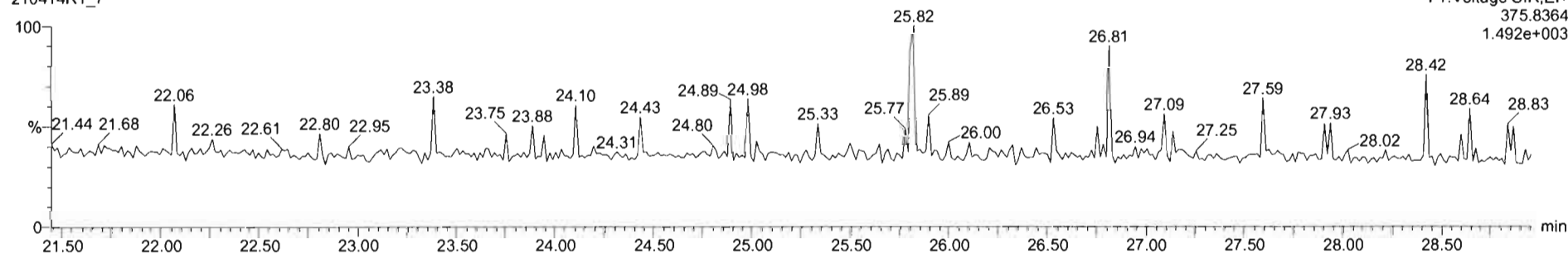


210414R1_7



DPE1

210414R1_7



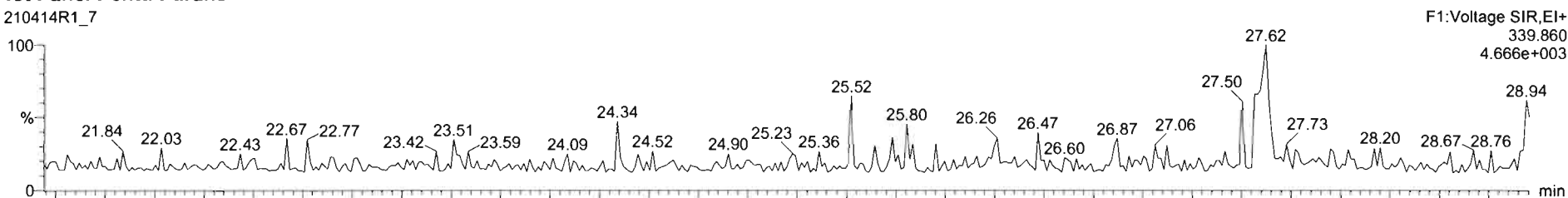
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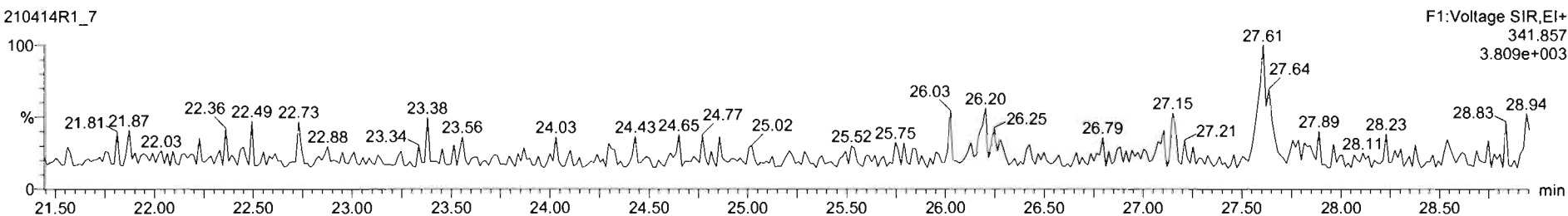
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1st Func. Penta-Furans

210414R1_7

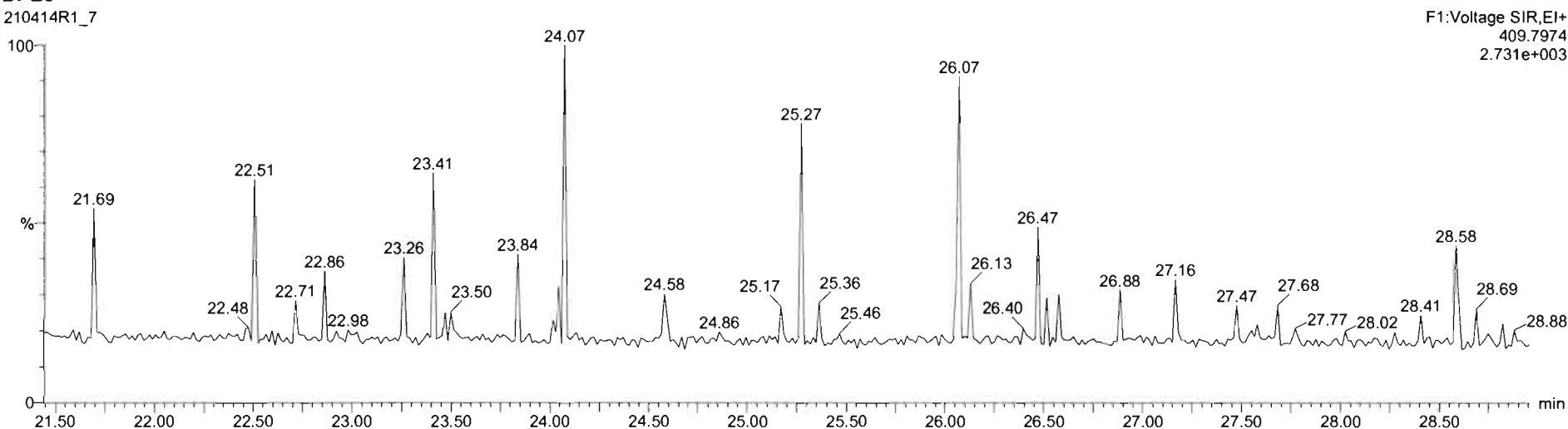


210414R1_7



DPE6

210414R1_7



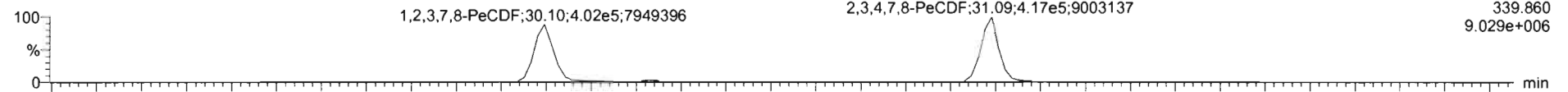
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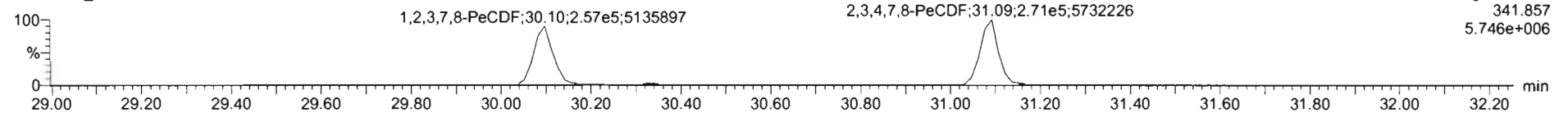
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1,2,3,7,8-PeCDF

210414R1_7

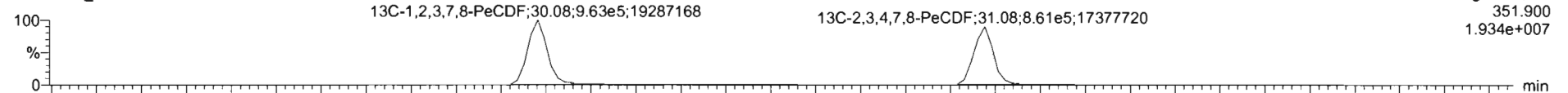


210414R1_7

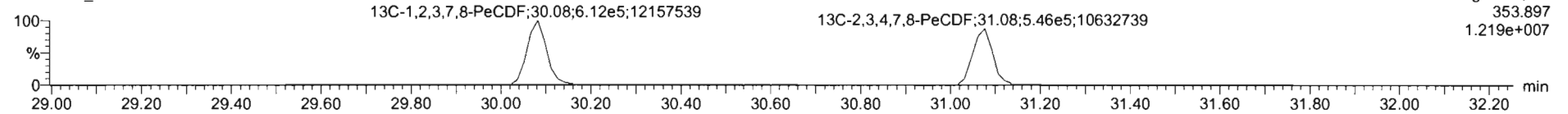


13C-1,2,3,7,8-PeCDF

210414R1_7

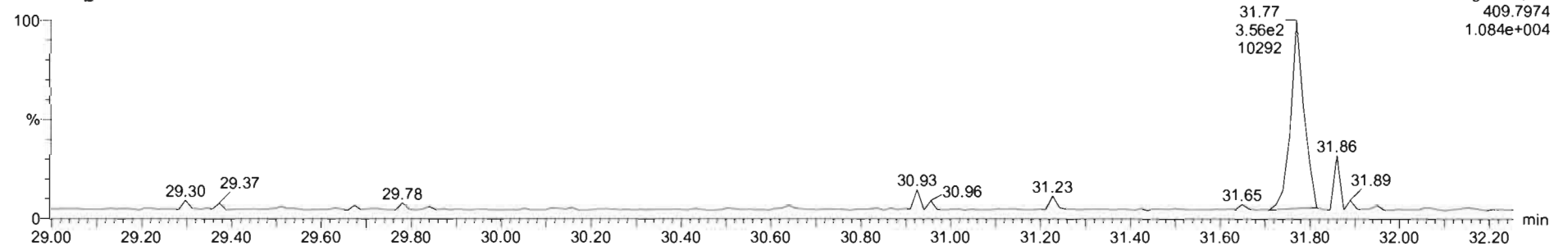


210414R1_7



DPE2

210414R1_7



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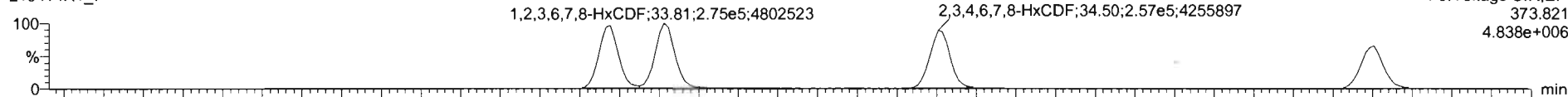
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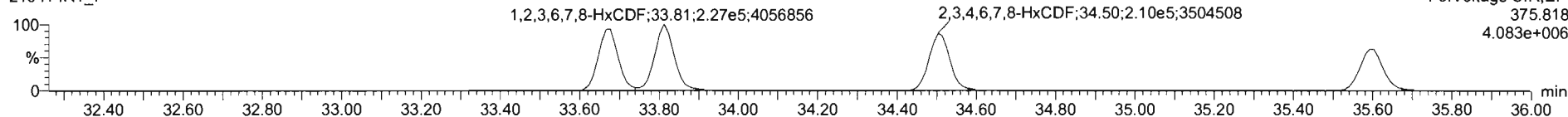
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1,2,3,4,7,8-HxCDF

210414R1_7

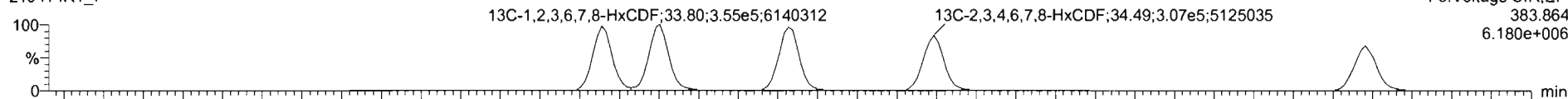


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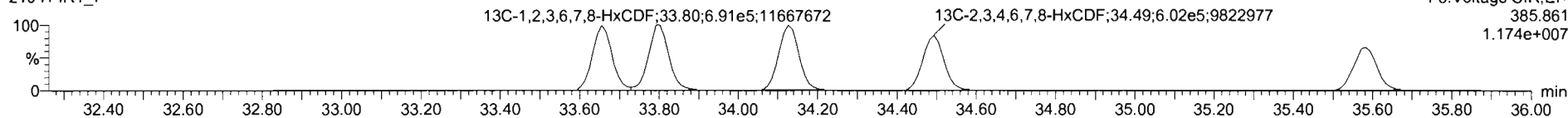


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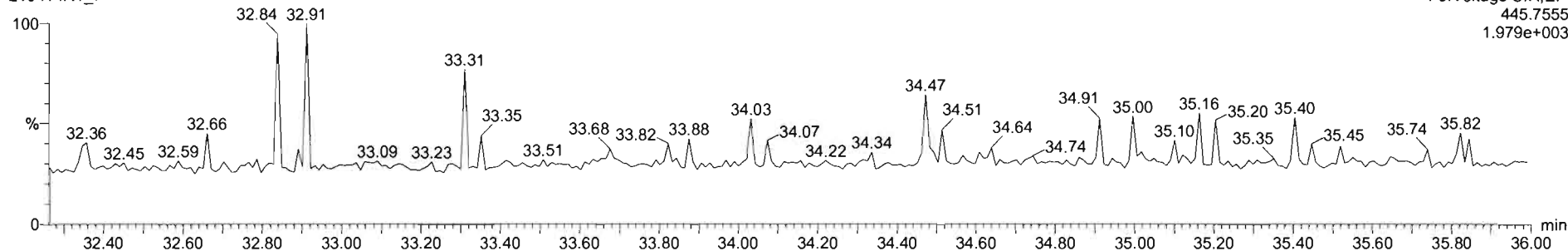


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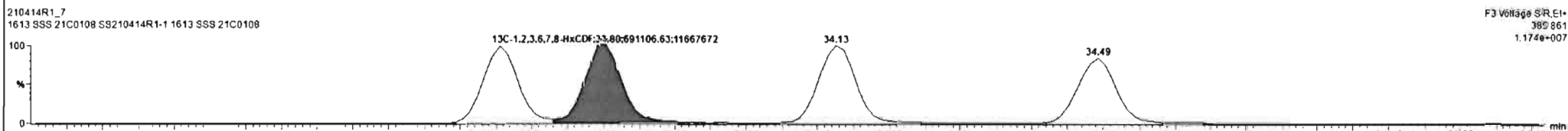
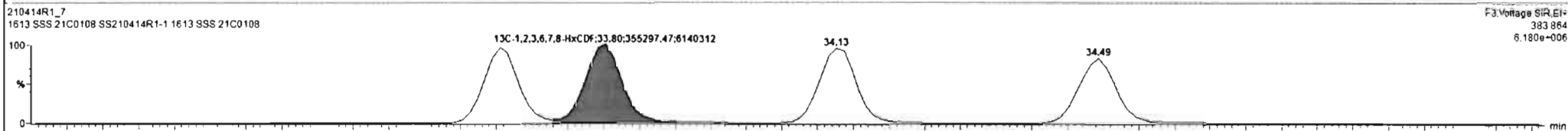
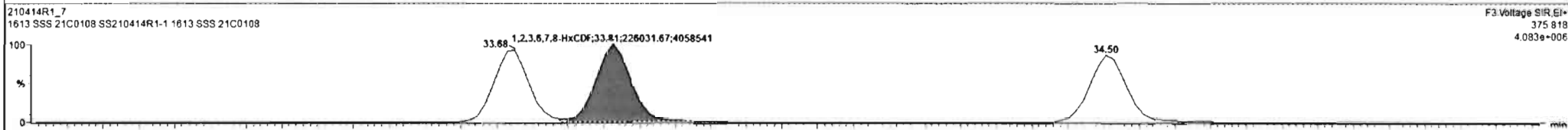
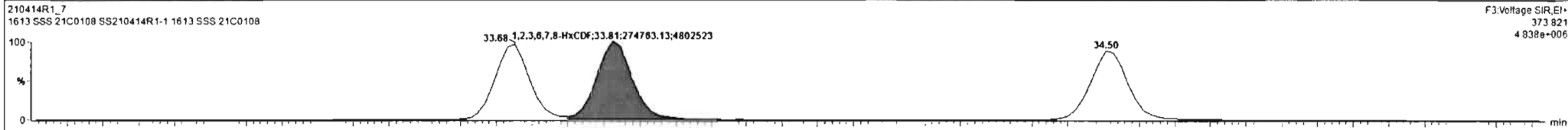


DPE3

210414R1_7

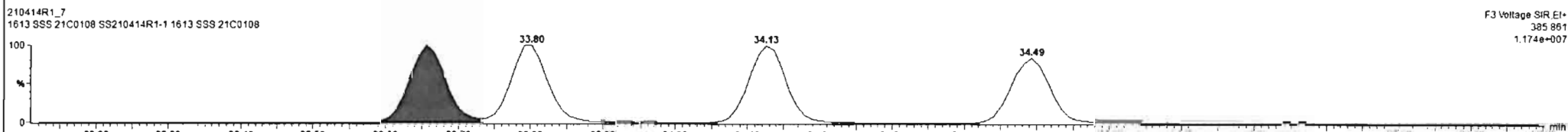
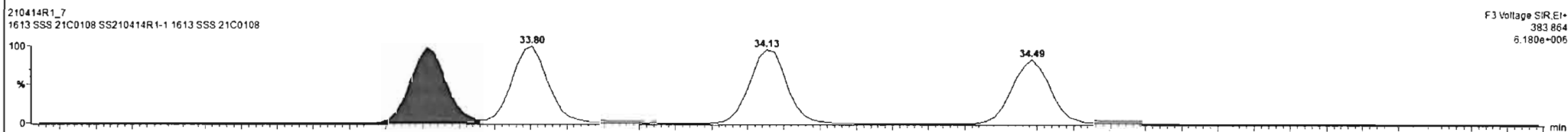
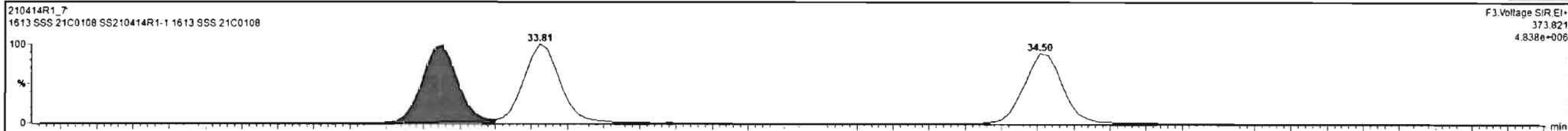


Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	NRec	DL	EMPC	
1	2,3,7,8-TCDD	1.42e5	0.76	NO	0.9291	1.000	26.93	1.001	9.59	95.9	0.0124	9.59
2	1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.8257	1.000	31.26	1.000	48.1	96.2	0.0507	48.1
3	1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.9725	1.000	34.61	1.000	50.2	100	0.114	50.2
4	1,2,3,6,7,8-HxCDD	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	0.105	52.8



Regd. 210414R1_7 CAP HUM

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



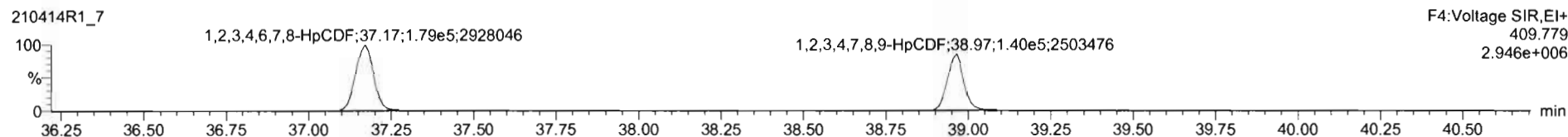
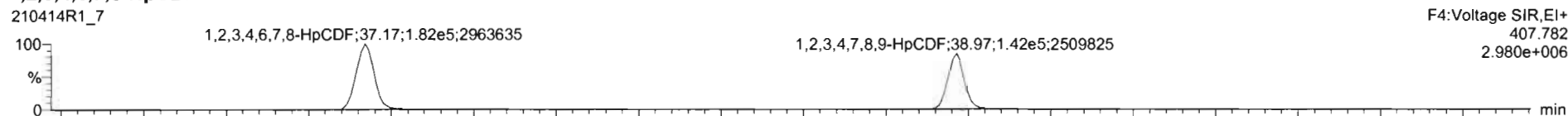
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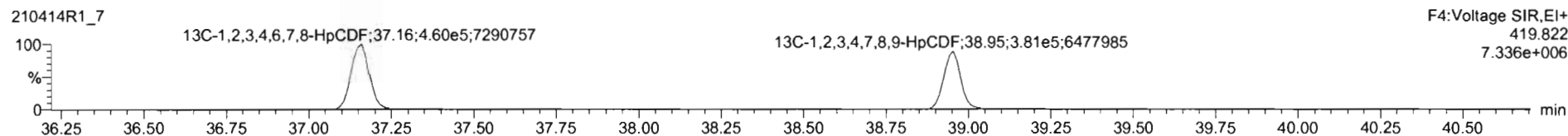
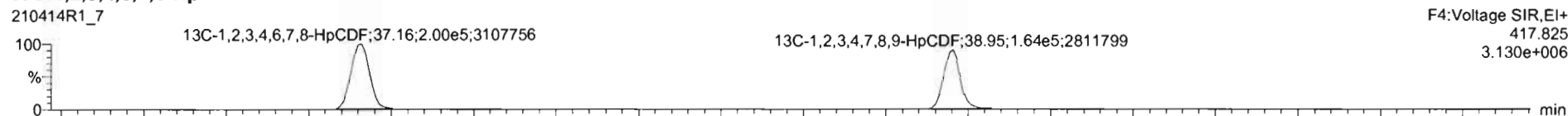
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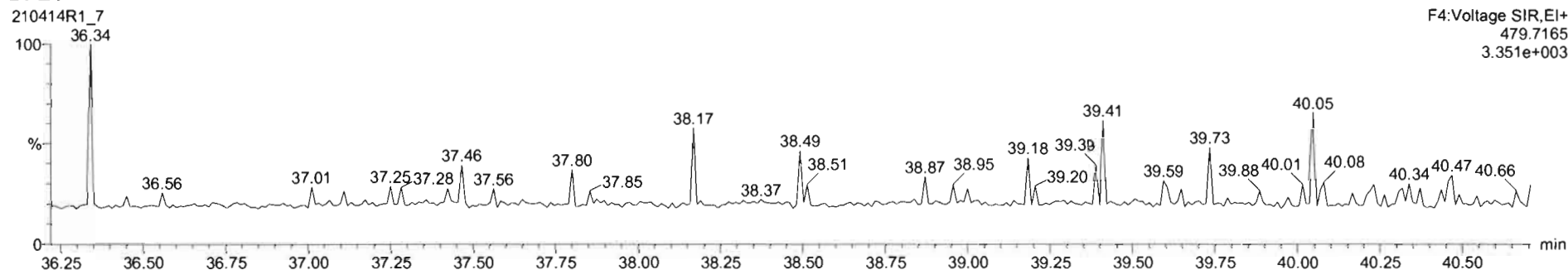
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13C-1,2,3,4,6,7,8-HpCDF



DPE4



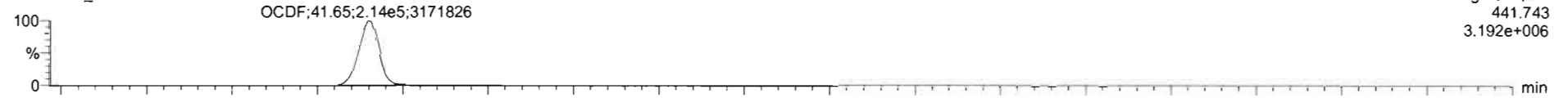
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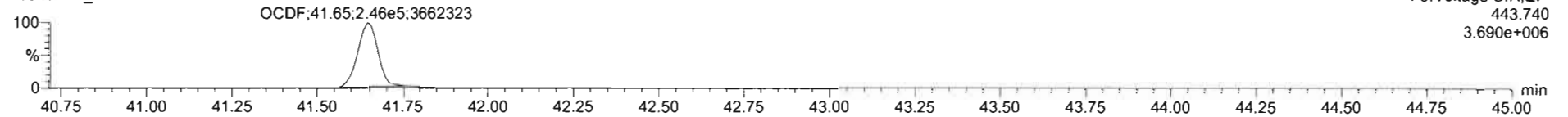
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OCDF

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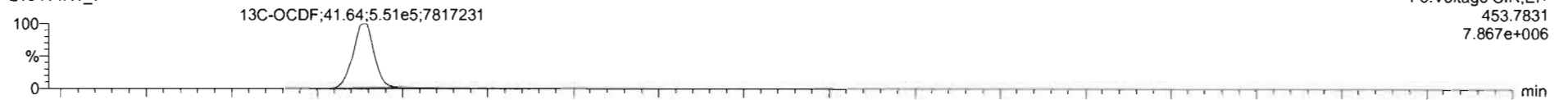


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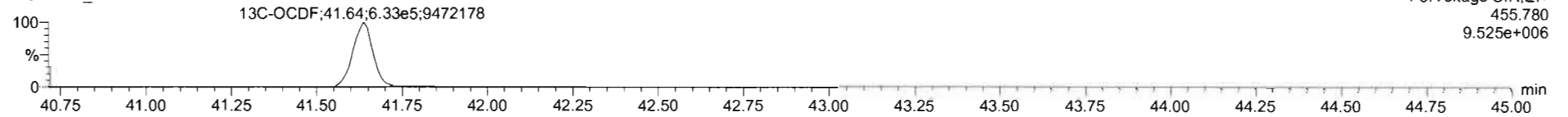


13C-OCDF

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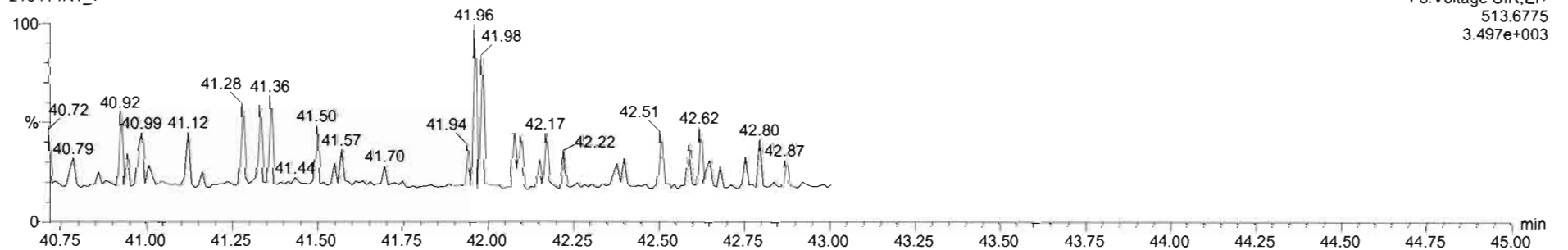


210414R1_7



DPE5

210414R1_7



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