



June 10, 2020

Vista Work Order No. 2001005

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 06, 2020 under your Project Name 'Gasco PDI / 000029-02.64'.

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. 2001005

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1613B

These samples were extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 1613B using a ZB-5MS GC column.

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above 1/2 the quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

As requested, a duplicate was performed on sample "PDI-164SC-A-00-01-200426". The RPD was out of the acceptance criteria for OCDD.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2001005-01	PDI-164SC-A-00-01-200426	DUP26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL
2001005-02	PDI-164SC-A-01-02-200426	26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL
2001005-03	PDI-164SC-A-02-03-200426	26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL
2001005-04	PDI-164SC-A-03-04-200426	26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL
2001005-05	PDI-164SC-A-04-05-200426	26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL
2001005-06	PDI-164SC-A-05-06-200426	26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL
2001005-07	PDI-164SC-A-06-07-200426	26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL
2001005-08	PDI-164SC-A-07-08-200426	26-Apr-20 10:18	06-May-20 11:10	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B			
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50		Lab Sample: B0E0107-BLK1 Date Analyzed: 19-May-20 11:47 Column: ZB-5MS				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0480			IS 13C-2,3,7,8-TCDD	99.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0423			13C-1,2,3,7,8-PeCDD	109	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0466			13C-1,2,3,4,7,8-HxCDD	88.1	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0464			13C-1,2,3,6,7,8-HxCDD	90.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0553			13C-1,2,3,7,8,9-HxCDD	89.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.0803			13C-1,2,3,4,6,7,8-HpCDD	89.8	23 - 140	
OCDD	0.198			J	13C-OCDD	84.9	17 - 157	
2,3,7,8-TCDF	ND	0.0282			13C-2,3,7,8-TCDF	95.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0310			13C-1,2,3,7,8-PeCDF	109	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0268			13C-2,3,4,7,8-PeCDF	109	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0353			13C-1,2,3,4,7,8-HxCDF	89.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0341			13C-1,2,3,6,7,8-HxCDF	91.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0374			13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136	
1,2,3,7,8,9-HxCDF	0.0760			J	13C-1,2,3,7,8,9-HxCDF	90.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0538			13C-1,2,3,4,6,7,8-HpCDF	85.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0600			13C-1,2,3,4,7,8,9-HpCDF	95.8	26 - 138	
OCDF	0.172			J	13C-OCDF	83.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	99.2	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 0.00771			
TOTALS								
Total TCDD	ND	0.0480						
Total PeCDD	ND	0.0423						
Total HxCDD	ND	0.0553						
Total HpCDD	ND	0.0803						
Total TCDF	ND	0.0282						
Total PeCDF	ND	0.0310						
Total HxCDF	0.0760							
Total HpCDF	ND	0.0600						

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: B0E0107	Lab Sample: B0E0107-BS1					
Sample Size: 10.0 g	Date Extracted: 14-May-2020 14:50	Date Analyzed: 19-May-20 09:26	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	16.7	20.0	83.3	67 - 158	IS 13C-2,3,7,8-TCDD	90.9	20 - 175
1,2,3,7,8-PeCDD	85.5	100	85.5	70 - 142	13C-1,2,3,7,8-PeCDD	105	21 - 227
1,2,3,4,7,8-HxCDD	94.9	100	94.9	70 - 164	13C-1,2,3,4,7,8-HxCDD	88.2	21 - 193
1,2,3,6,7,8-HxCDD	91.0	100	91.0	76 - 134	13C-1,2,3,6,7,8-HxCDD	90.1	25 - 163
1,2,3,7,8,9-HxCDD	91.0	100	91.0	64 - 162	13C-1,2,3,7,8,9-HxCDD	90.4	21 - 193
1,2,3,4,6,7,8-HpCDD	94.3	100	94.3	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	86.3	26 - 166
OCDD	189	200	94.6	78 - 144	13C-OCDD	82.3	13 - 199
2,3,7,8-TCDF	18.1	20.0	90.5	75 - 158	13C-2,3,7,8-TCDF	88.2	22 - 152
1,2,3,7,8-PeCDF	91.3	100	91.3	80 - 134	13C-1,2,3,7,8-PeCDF	103	21 - 192
2,3,4,7,8-PeCDF	91.4	100	91.4	68 - 160	13C-2,3,4,7,8-PeCDF	105	13 - 328
1,2,3,4,7,8-HxCDF	102	100	102	72 - 134	13C-1,2,3,4,7,8-HxCDF	88.0	19 - 202
1,2,3,6,7,8-HxCDF	101	100	101	84 - 130	13C-1,2,3,6,7,8-HxCDF	92.3	21 - 159
2,3,4,6,7,8-HxCDF	101	100	101	70 - 156	13C-2,3,4,6,7,8-HxCDF	89.3	22 - 176
1,2,3,7,8,9-HxCDF	102	100	102	78 - 130	13C-1,2,3,7,8,9-HxCDF	87.8	17 - 205
1,2,3,4,6,7,8-HpCDF	101	100	101	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	83.4	21 - 158
1,2,3,4,7,8,9-HpCDF	103	100	103	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	92.4	20 - 186
OCDF	192	200	96.2	63 - 170	13C-OCDF	85.6	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	87.2	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-164SC-A-00-01-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-01 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 10.9 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 92.3	Date Analyzed : 07-Jun-20 10:15 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0716			IS 13C-2,3,7,8-TCDD	93.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.120			13C-1,2,3,7,8-PeCDD	90.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.123			13C-1,2,3,4,7,8-HxCDD	77.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.121			13C-1,2,3,6,7,8-HxCDD	82.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.157			13C-1,2,3,7,8,9-HxCDD	76.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.61			J	13C-1,2,3,4,6,7,8-HpCDD	66.9	23 - 140	
OCDD	17.4			B	13C-OCDD	57.4	17 - 157	
2,3,7,8-TCDF	ND	0.0451			13C-2,3,7,8-TCDF	91.4	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0741			13C-1,2,3,7,8-PeCDF	94.7	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0660			13C-2,3,4,7,8-PeCDF	93.5	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0789			13C-1,2,3,4,7,8-HxCDF	80.8	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0729			13C-1,2,3,6,7,8-HxCDF	87.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0827			13C-2,3,4,6,7,8-HxCDF	84.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.132			13C-1,2,3,7,8,9-HxCDF	78.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.361			J	13C-1,2,3,4,6,7,8-HpCDF	72.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.126			13C-1,2,3,4,7,8,9-HpCDF	71.7	26 - 138	
OCDF	ND		0.327		13C-OCDF	57.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	105	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0249

TOTALS								
Total TCDD	ND	0.0716						
Total PeCDD	ND	0.120						
Total HxCDD	0.410		1.04					
Total HpCDD	4.44							
Total TCDF	ND	0.0451						
Total PeCDF	0.150							
Total HxCDF	ND		0.231					
Total HpCDF	0.827							

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

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

Sample ID: Duplicate					EPA Method 1613B			
Source Client ID: PDI-164SC-A-00-01-200426		QC Batch: B0E0107		Lab Sample: B0E0107-DUP1				
Source LabNumber: 2001005-01		Date Extracted: 14-May-2020 14:50		Date Analyzed: 07-Jun-20 11:01 Column: ZB-5MS				
Matrix: Solid								
Sample Size: 10.9 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0834			IS 13C-2,3,7,8-TCDD	94.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0944			13C-1,2,3,7,8-PeCDD	92.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.142			13C-1,2,3,4,7,8-HxCDD	72.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.141			13C-1,2,3,6,7,8-HxCDD	78.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.178			13C-1,2,3,7,8,9-HxCDD	71.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.62			J	13C-1,2,3,4,6,7,8-HpCDD	56.3	23 - 140	
OCDD	22.8			B	13C-OCDD	31.6	17 - 157	
2,3,7,8-TCDF	ND	0.0607			13C-2,3,7,8-TCDF	90.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0657			13C-1,2,3,7,8-PeCDF	96.3	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0648			13C-2,3,4,7,8-PeCDF	96.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0646			13C-1,2,3,4,7,8-HxCDF	78.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0568			13C-1,2,3,6,7,8-HxCDF	82.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0671			13C-2,3,4,6,7,8-HxCDF	75.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.106			13C-1,2,3,7,8,9-HxCDF	76.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.458			J	13C-1,2,3,4,6,7,8-HpCDF	65.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.189			13C-1,2,3,4,7,8,9-HpCDF	60.8	26 - 138	
OCDF	ND	0.218			13C-OCDF	41.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	96.4	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 0.0276			
TOTALS								
Total TCDD	0.120							
Total PeCDD	ND	0.0944						
Total HxCDD	0.648		0.930					
Total HpCDD	4.70							
Total TCDF	ND	0.0607						
Total PeCDF	0.433							
Total HxCDF	0.237		0.384	B				
Total HpCDF	1.05							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: PDI-164SC-A-00-01-200426					Duplicate Lab Sample: B0E0107-DUP1				
Source LabNumber: 2001005-01									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	ND	ND	NA	25	IS 13C-2,3,7,8-TCDD	94.3	93.6	25 - 164	
1,2,3,7,8-PeCDD	ND	ND	NA	25	13C-1,2,3,7,8-PeCDD	92.5	90.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDD	72.5	77.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDD	78.2	82.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDD	71.7	76.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.62	1.61	0.825	25	13C-1,2,3,4,6,7,8-HpCDD	56.3	66.9	23 - 140	
OCDD	22.8	17.4	26.8	25	13C-OCDD	31.6	57.4	17 - 157	
2,3,7,8-TCDF	ND	ND	NA	25	13C-2,3,7,8-TCDF	90.3	91.4	24 - 169	
1,2,3,7,8-PeCDF	ND	ND	NA	25	13C-1,2,3,7,8-PeCDF	96.3	94.7	24 - 185	
2,3,4,7,8-PeCDF	ND	ND	NA	25	13C-2,3,4,7,8-PeCDF	96.0	93.5	21 - 178	
1,2,3,4,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDF	78.4	80.8	26 - 152	
1,2,3,6,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDF	82.9	87.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	ND	NA	25	13C-2,3,4,6,7,8-HxCDF	75.9	84.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDF	76.3	78.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.458	0.361	23.8	25	13C-1,2,3,4,6,7,8-HpCDF	65.4	72.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	25	13C-1,2,3,4,7,8,9-HpCDF	60.8	71.7	26 - 138	
OCDF	ND	ND	NA	25	13C-OCDF	41.8	57.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	96.4	105	35 - 197	

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

Sample ID: PDI-164SC-A-01-02-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-02 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 11.0 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 91.0	Date Analyzed : 07-Jun-20 11:48 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0739			IS 13C-2,3,7,8-TCDD	97.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0639			13C-1,2,3,7,8-PeCDD	95.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.110			13C-1,2,3,4,7,8-HxCDD	78.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.113			13C-1,2,3,6,7,8-HxCDD	80.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.145			13C-1,2,3,7,8,9-HxCDD	72.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.913		13C-1,2,3,4,6,7,8-HpCDD	66.1	23 - 140	
OCDD	14.8			B	13C-OCDD	50.6	17 - 157	
2,3,7,8-TCDF	ND	0.0519			13C-2,3,7,8-TCDF	93.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0581			13C-1,2,3,7,8-PeCDF	98.7	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0521			13C-2,3,4,7,8-PeCDF	98.2	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0573			13C-1,2,3,4,7,8-HxCDF	81.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0526			13C-1,2,3,6,7,8-HxCDF	88.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0597			13C-2,3,4,6,7,8-HxCDF	84.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0985			13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.442		13C-1,2,3,4,6,7,8-HpCDF	70.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.148			13C-1,2,3,4,7,8,9-HpCDF	71.7	26 - 138	
OCDF	0.420			B, J	13C-OCDF	52.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	95.5	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00457

TOTALS								
Total TCDD	ND	0.0739						
Total PeCDD	ND		0.0580					
Total HxCDD	ND		0.428					
Total HpCDD	1.74		2.65					
Total TCDF	ND	0.0519						
Total PeCDF	ND		0.269					
Total HxCDF	0.159		0.357	B				
Total HpCDF	ND		0.938					

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

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

Sample ID: PDI-164SC-A-02-03-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-03 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 11.1 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 90.2	Date Analyzed : 07-Jun-20 12:34 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0680			IS 13C-2,3,7,8-TCDD	98.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0934			13C-1,2,3,7,8-PeCDD	95.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0849			13C-1,2,3,4,7,8-HxCDD	86.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0862			13C-1,2,3,6,7,8-HxCDD	84.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.104			13C-1,2,3,7,8,9-HxCDD	82.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.839			J	13C-1,2,3,4,6,7,8-HpCDD	74.0	23 - 140	
OCDD	9.95			B	13C-OCDD	62.0	17 - 157	
2,3,7,8-TCDF	ND	0.0423			13C-2,3,7,8-TCDF	92.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0430			13C-1,2,3,7,8-PeCDF	98.7	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0389			13C-2,3,4,7,8-PeCDF	98.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0618			13C-1,2,3,4,7,8-HxCDF	83.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0558			13C-1,2,3,6,7,8-HxCDF	89.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0615			13C-2,3,4,6,7,8-HxCDF	86.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0964			13C-1,2,3,7,8,9-HxCDF	84.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0686			13C-1,2,3,4,6,7,8-HpCDF	75.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0736			13C-1,2,3,4,7,8,9-HpCDF	80.0	26 - 138	
OCDF	ND	0.114			13C-OCDF	63.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	107	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0114

TOTALS								
Total TCDD	ND	0.0680						
Total PeCDD	ND	0.0934						
Total HxCDD	ND		0.500					
Total HpCDD	2.24							
Total TCDF	ND	0.0423						
Total PeCDF	ND		0.123					
Total HxCDF	ND		0.230					
Total HpCDF	ND	0.0736						

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

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

Sample ID: PDI-164SC-A-03-04-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-04 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 11.6 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 86.7	Date Analyzed : 07-Jun-20 13:20 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0679			IS 13C-2,3,7,8-TCDD	95.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0612			13C-1,2,3,7,8-PeCDD	97.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0819			13C-1,2,3,4,7,8-HxCDD	88.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0852			13C-1,2,3,6,7,8-HxCDD	88.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.101			13C-1,2,3,7,8,9-HxCDD	85.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.513			J	13C-1,2,3,4,6,7,8-HpCDD	80.8	23 - 140	
OCDD	3.83			J, B	13C-OCDD	70.6	17 - 157	
2,3,7,8-TCDF	ND	0.0429			13C-2,3,7,8-TCDF	91.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0342			13C-1,2,3,7,8-PeCDF	100	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0312			13C-2,3,4,7,8-PeCDF	103	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0410			13C-1,2,3,4,7,8-HxCDF	89.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0374			13C-1,2,3,6,7,8-HxCDF	92.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0394			13C-2,3,4,6,7,8-HxCDF	93.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0558			13C-1,2,3,7,8,9-HxCDF	89.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0490			13C-1,2,3,4,6,7,8-HpCDF	81.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0537			13C-1,2,3,4,7,8,9-HpCDF	83.0	26 - 138	
OCDF	ND	0.0870			13C-OCDF	74.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00628

TOTALS			
Total TCDD	ND		0.107
Total PeCDD	ND	0.0612	
Total HxCDD	ND		0.258
Total HpCDD	1.33		
Total TCDF	ND	0.0429	
Total PeCDF	ND	0.0342	
Total HxCDF	ND	0.0558	
Total HpCDF	ND	0.0537	

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

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

Sample ID: PDI-164SC-A-04-05-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-05 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 11.6 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 87.1	Date Analyzed : 07-Jun-20 14:06 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0696			IS 13C-2,3,7,8-TCDD	88.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0869			13C-1,2,3,7,8-PeCDD	97.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0910			13C-1,2,3,4,7,8-HxCDD	83.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0885			13C-1,2,3,6,7,8-HxCDD	86.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.104			13C-1,2,3,7,8,9-HxCDD	84.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.682			J	13C-1,2,3,4,6,7,8-HpCDD	75.9	23 - 140	
OCDD	3.95			J, B	13C-OCDD	66.3	17 - 157	
2,3,7,8-TCDF	ND	0.0494			13C-2,3,7,8-TCDF	81.4	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0534			13C-1,2,3,7,8-PeCDF	96.2	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0460			13C-2,3,4,7,8-PeCDF	98.1	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0312			13C-1,2,3,4,7,8-HxCDF	86.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0277			13C-1,2,3,6,7,8-HxCDF	92.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0287			13C-2,3,4,6,7,8-HxCDF	93.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0600		13C-1,2,3,7,8,9-HxCDF	86.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0432			13C-1,2,3,4,6,7,8-HpCDF	80.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0480			13C-1,2,3,4,7,8,9-HpCDF	80.9	26 - 138	
OCDF	ND	0.0818			13C-OCDF	68.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	95.0	35 - 197	

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

TEQMinWHO2005Dioxin 0.00801

TOTALS			
Total TCDD	0.102		
Total PeCDD	ND		0.0380
Total HxCDD	0.346		
Total HpCDD	1.93		
Total TCDF	ND	0.0494	
Total PeCDF	ND	0.0534	
Total HxCDF	ND		0.0600
Total HpCDF	ND	0.0480	

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

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

Sample ID: PDI-164SC-A-05-06-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-06 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 11.0 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 91.7	Date Analyzed : 07-Jun-20 14:52 Column: ZB-5MS

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	67.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.106			13C-1,2,3,7,8-PeCDD	73.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0909			13C-1,2,3,4,7,8-HxCDD	68.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0907			13C-1,2,3,6,7,8-HxCDD	69.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.105			13C-1,2,3,7,8,9-HxCDD	71.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.109			13C-1,2,3,4,6,7,8-HpCDD	70.6	23 - 140	
OCDD	0.671			J, B	13C-OCDD	58.9	17 - 157	
2,3,7,8-TCDF	ND	0.0439			13C-2,3,7,8-TCDF	64.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0461			13C-1,2,3,7,8-PeCDF	73.4	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0407			13C-2,3,4,7,8-PeCDF	74.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0310			13C-1,2,3,4,7,8-HxCDF	69.0	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0279			13C-1,2,3,6,7,8-HxCDF	73.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0293			13C-2,3,4,6,7,8-HxCDF	74.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0484			13C-1,2,3,7,8,9-HxCDF	66.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0472			13C-1,2,3,4,6,7,8-HpCDF	68.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0518			13C-1,2,3,4,7,8,9-HpCDF	70.8	26 - 138	
OCDF	ND	0.0985			13C-OCDF	61.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	68.8	35 - 197	

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

TEQMinWHO2005Dioxin 0.000201

TOTALS		
Total TCDD	ND	0.0865
Total PeCDD	ND	0.106
Total HxCDD	0.106	
Total HpCDD	ND	0.109
Total TCDF	ND	0.0439
Total PeCDF	ND	0.0461
Total HxCDF	ND	0.0484
Total HpCDF	ND	0.0518

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

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

Sample ID: PDI-164SC-A-06-07-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-07 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 11.2 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 89.2	Date Analyzed : 07-Jun-20 15:39 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0847			IS 13C-2,3,7,8-TCDD	86.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.128			13C-1,2,3,7,8-PeCDD	88.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0922			13C-1,2,3,4,7,8-HxCDD	80.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0911			13C-1,2,3,6,7,8-HxCDD	82.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.107			13C-1,2,3,7,8,9-HxCDD	79.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.468			J	13C-1,2,3,4,6,7,8-HpCDD	71.8	23 - 140	
OCDD	5.08			B	13C-OCDD	62.2	17 - 157	
2,3,7,8-TCDF	ND	0.0413			13C-2,3,7,8-TCDF	77.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0341			13C-1,2,3,7,8-PeCDF	89.7	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0329			13C-2,3,4,7,8-PeCDF	90.8	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0375			13C-1,2,3,4,7,8-HxCDF	82.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0339			13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0388			13C-2,3,4,6,7,8-HxCDF	87.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0555			13C-1,2,3,7,8,9-HxCDF	84.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0469			13C-1,2,3,4,6,7,8-HpCDF	77.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0524			13C-1,2,3,4,7,8,9-HpCDF	78.3	26 - 138	
OCDF	ND	0.104			13C-OCDF	63.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	88.7	35 - 197	

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

TEQMinWHO2005Dioxin 0.00620

TOTALS			
Total TCDD	ND		0.155
Total PeCDD	0.119		
Total HxCDD	0.567		0.792
Total HpCDD	1.59		
Total TCDF	ND		0.121
Total PeCDF	ND	0.0341	
Total HxCDF	ND	0.0555	
Total HpCDF	ND	0.0524	

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

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

Sample ID: PDI-164SC-A-07-08-200426 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001005-08 Date Received: 06-May-2020 11:10
Project: Gasco PDI / 000029-02.64	Sample Size: 13.9 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 26-Apr-2020 10:18	% Solids: 72.5	Date Analyzed : 07-Jun-20 16:25 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0581			IS 13C-2,3,7,8-TCDD	93.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0594			13C-1,2,3,7,8-PeCDD	95.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0573			13C-1,2,3,4,7,8-HxCDD	83.6	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0575			13C-1,2,3,6,7,8-HxCDD	84.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0686			13C-1,2,3,7,8,9-HxCDD	81.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.0805			13C-1,2,3,4,6,7,8-HpCDD	74.4	23 - 140	
OCDD	0.733			B, J	13C-OCDD	64.2	17 - 157	
2,3,7,8-TCDF	ND	0.0351			13C-2,3,7,8-TCDF	91.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0322			13C-1,2,3,7,8-PeCDF	96.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0326			13C-2,3,4,7,8-PeCDF	97.4	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0280			13C-1,2,3,4,7,8-HxCDF	86.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0251			13C-1,2,3,6,7,8-HxCDF	90.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0280			13C-2,3,4,6,7,8-HxCDF	88.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0450		13C-1,2,3,7,8,9-HxCDF	85.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0363			13C-1,2,3,4,6,7,8-HpCDF	80.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0400			13C-1,2,3,4,7,8,9-HpCDF	83.4	26 - 138	
OCDF	ND	0.0720			13C-OCDF	72.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	98.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.000220

TOTALS			
Total TCDD	ND		0.0890
Total PeCDD	ND	0.0594	
Total HxCDD	ND		0.113
Total HpCDD	ND	0.0805	
Total TCDF	ND	0.0351	
Total PeCDF	ND	0.0326	
Total HxCDF	ND		0.0450
Total HpCDF	ND	0.0400	

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

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

DATA QUALIFIERS & ABBREVIATIONS

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

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

Vista Analytical Laboratory Certifications

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

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

NELAP Accredited Test Methods

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

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

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

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

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

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2001005 TAT std

Samples Arrival:	Date/Time: <u>5-6-20 11:10</u>	Initials: <u>WWS</u>	Location: <u>NA</u>
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
	<input type="checkbox"/> Other		
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: <u>4.1</u> (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: <u>IR-3</u>
Temp °C: <u>4.1</u> (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trk # <u>7703 9021 9083</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logged In:	Date/Time: <u>05/06/20 1252</u>	Initials: <u>WWS</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>G-3</u>
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2001005

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2001005-01	A PDI-164SC-A-00-01-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	Amber Glass, 120 mL	Solid	DUP
2001005-02	A PDI-164SC-A-01-02-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	Amber Glass, 120 mL	Solid	
2001005-03	A PDI-164SC-A-02-03-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	Amber Glass, 120 mL	Solid	
2001005-04	A PDI-164SC-A-03-04-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	Amber Glass, 120 mL	Solid	
2001005-05	A PDI-164SC-A-04-05-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	Amber Glass, 120 mL	Solid	
2001005-06	A PDI-164SC-A-05-06-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	Amber Glass, 120 mL	Solid	
2001005-07	A PDI-164SC-A-06-07-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	Amber Glass, 120 mL	Solid	
2001005-08	A PDI-164SC-A-07-08-200426	<input checked="" type="checkbox"/>	26-Apr-20 10:18	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?	✓			
Sample Custody Seals Intact?			✓	
Adequate Sample Volume?	✓			
Container Type Appropriate for Analysis(es)	✓			
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other		✓	✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓	

Verified by/Date: WLB 05/06/20

EXTRACTION INFORMATION

Process Sheet
Workorder: 2001005

Prep Expiration: 2021-04-26
 Client: Anchor QEA, LLC

Workorder Due: 03-Jun-20 00:00

TAT: 28

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

Prep Batch: BOE0107

Prep Data Entered: AO 05/18/20
Date and Initials

Initial Sequence: SOE0054

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2001005-01	<input checked="" type="checkbox"/>	PDI-164SC-A-00-01-200426	06-May-20 11:10	WR-2 G-3	DUP
2001005-02	<input checked="" type="checkbox"/>	PDI-164SC-A-01-02-200426	06-May-20 11:10	WR-2 G-3	
2001005-03	<input checked="" type="checkbox"/>	PDI-164SC-A-02-03-200426	06-May-20 11:10	WR-2 G-3	
2001005-04	<input checked="" type="checkbox"/>	PDI-164SC-A-03-04-200426	06-May-20 11:10	WR-2 G-3	
2001005-05	<input checked="" type="checkbox"/>	PDI-164SC-A-04-05-200426	06-May-20 11:10	WR-2 G-3	
2001005-06	<input checked="" type="checkbox"/>	PDI-164SC-A-05-06-200426	06-May-20 11:10	WR-2 G-3	
2001005-07	<input checked="" type="checkbox"/>	PDI-164SC-A-06-07-200426	06-May-20 11:10	WR-2 G-3	
2001005-08	<input checked="" type="checkbox"/>	PDI-164SC-A-07-08-200426	06-May-20 11:10	WR-2 G-3	

WO Comments: **Dioxin - 10g (dry weight)** R.R 05/14/20
One dup required per batch of 20 samples ME 05/14/2020

Pre-Prep Check Out: CHT 05/06/20
 Pre-Prep Check In: CHT 05/08/20

Prep Check Out: RR 05/14/20
 Prep Check In: RR 05/14/20

Prep Reconciled Initials/Date: CHT 05/08/20
 Spike Reconciled Initials/Date: RR 05/14/20
 VialBoxID: Curly Fried

PREPARATION BENCH SHEET

Matrix: Solid

B0E0107

Chemist: R12

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 14-May-20 14:50

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B0E0107-BLK1	NA	(10.00)	RR ME 05/14/20	CRS 05/18/20	NA	AD 05/18/20	CA 05/18/20	AO 05/18/20	AO 05/18/20
<input type="checkbox"/>	B0E0107-BS1	NA	(10.00)							
<input type="checkbox"/>	B0E0107-DUP1 2001005-01	10.84	10.86				yellow			
<input type="checkbox"/>	B0E0107-DUP2 2001007-02	16.41	16.48				yellow			
<input type="checkbox"/>	2000948-15RE1	11.06	11.07							
<input type="checkbox"/>	2001005-01	10.84	10.86				yellow			
<input type="checkbox"/>	2001005-02	10.99	11.03							
<input type="checkbox"/>	2001005-03	11.09	11.10							
<input type="checkbox"/>	2001005-04	11.54	11.60							
<input type="checkbox"/>	2001005-05	11.49	11.60							
<input type="checkbox"/>	2001005-06	10.91	10.95							
<input type="checkbox"/>	2001005-07	11.21	11.24							
<input type="checkbox"/>	2001005-08	13.80	13.90							
<input type="checkbox"/>	2001007-01	16.77	16.85				black			
<input type="checkbox"/>	2001007-02	16.41	16.58				brown			

IS Name <u>PCDD/F 19L230, 10mL</u> <u>V3</u>	NS Name <u>PCDD/F 18F1913, 10mL</u> <u>V1</u>	CRS Name <u>PCDD/F 19L1602, 10mL</u> <u>V1</u>	RS Name <u>PCDD/F 19L1603, 10mL</u> <u>V1</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>RR 05/14/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Start Date/Time <u>05/14/20 1617</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RR 05/14/20</u>
PAH _____	PAH _____	PAH _____	PAH _____	Stop Date/Time <u>05/15/20 0826</u>	Other <u>NA</u>	Balance ID: <u>HRMS-8</u>
					Final Volume(s) <u>414</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

PREPARATION BENCH SHEET

Matrix: Solid

B0E0107

Chemist: R12

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 14-May-20 14:50

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	2001007-03	16.24	16.37	RP ME 05/14/20	00 <u>EM</u> 05/18/20	NA	00 <u>brown</u> 05/18/20	00 <u>b</u> 05/18/20	00 05/18/20	00 <u>EM</u> 05/18/20
<input type="checkbox"/>	2001007-04	13.39	13.46	↓	↓	↓	↓ <u>black</u>	↓	↓	↓
<input type="checkbox"/>	2001007-05	16.13	16.21	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2001007-06	16.96	17.03	↓	↓	↓	↓	↓	↓	↓

IS Name <u>V3</u>	NS Name <u>V1</u>	CRS Name <u>V1</u>	RS Name <u>V1</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: <u>RR 05/14/20</u>
PCDD/F <u>19L2301, 10ML</u>	PCDD/F <u>18F1913, 10ML</u>	PCDD/F <u>19I11002, 10ML</u>	PCDD/F <u>19I11003, 10ML</u>	Start Date/Time 05/14/20 1617	SOLV: <u>Toluene</u>	Chemist/Date: <u>RR 05/14/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time 05/15/20 0926	Other <u>NA</u>	Check In: <u>RR 05/14/20</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>C14</u> <u>20ML</u>		Balance ID: <u>HRMS-8</u>

Comments:

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

Batch: B0E0107

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000948-15RE1	11.07 /	90.44586	10.0124	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-01	10.86 /	92.29166	10.0229	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-02	11.03 /	91.00529	10.0379	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-03	11.1 /	90.20979	10.0133	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-04	11.6 /	86.68886	10.0559	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-05	11.6 /	87.06698	10.0998	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-06	10.95 /	91.68646	10.0397	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-07	11.24 /	89.24051	10.0306	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-08	13.9 /	72.46094	10.0721	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-01	16.85 /	59.63542	10.0486	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-02	16.58 /	60.94118	10.1040	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-03	16.37 /	61.58416	10.0813	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-04	13.46 /	74.69697	10.0542	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-05	16.21 /	61.99525	10.0494	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-06	17.03 /	58.94736	10.0387	20	14-May-20 14:50	RR			Sediment	1613 Full List
B0E0107-BLK1	10			20	14-May-20 14:50	RR				QC
B0E0107-BS1	10			20	14-May-20 14:50	RR	18F1913	10		QC
B0E0107-DUP1	10.86 /			20	14-May-20 14:50	RR				QC
B0E0107-DUP2	16.48 /			20	14-May-20 14:50	RR				QC

All bolded data on report verified against written benchsheet by (initial/date) AO 05/18/20

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0E0065

Analyst: CHT ✓	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) RR 05/14/20 ✓
Analyte: Dried at 110°C+/-5°C	Units: %	
Oven ID: 01 02 ✓		

Inst HRMS-9 ✓ Date/Time IN: 05/08/20 1230 ✓ Date/Time OUT: 05/14/20 0819 ✓

B		C	D	E		F	G	H	I	K		L	M	N	O	P
Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample	Dry Pan and Sample	Dry Sample	%Solids	RawVal	Visual	Cl-	pH	pH	Acid	Sample	
			Pan	Tare Wt. (gms)	Weight (g)	Weight (g)										Inspection
	2001005-01	A	Sample	1.3100 ✓	6.1100 ✓	5.7400 ✓	4.4300	92.29	SOIL ✓	NA	NA	NA	NA	NA	X ✓	
	2001005-02	A	Sample	1.3000 ✓	5.0800 ✓	4.7400 ✓	3.4400	91.01	SOIL ✓	NA	NA	NA	NA	NA	X ✓	
	2001005-03	A	Sample	1.3000 ✓	5.5900 ✓	5.1700 ✓	3.8700	90.21	SOIL ✓	NA	NA	NA	NA	NA	X ✓	
	2001005-04	A	Sample	1.3200 ✓	7.3300 ✓	6.5300 ✓	5.2100	86.69	SOIL ✓	NA	NA	NA	NA	NA	X ✓	
	2001005-05	A	Sample	1.3100 ✓	5.6400 ✓	5.0800 ✓	3.7700	87.07	SOIL ✓	NA	NA	NA	NA	NA	X ✓	
	2001005-06	A	Sample	1.3100 ✓	5.5200 ✓	5.1700 ✓	3.8600	91.69	SOIL ✓	NA	NA	NA	NA	NA	X ✓	
	2001005-07	A	Sample	1.2800 ✓	6.0200 ✓	5.5100 ✓	4.2300	89.24	SOIL ✓	NA	NA	NA	NA	NA	X ✓	
	2001005-08	A	Sample	1.3100 ✓	6.4300 ✓	5.0200 ✓	3.7100	72.46	MUD ✓	NA	NA	NA	NA	NA	X ✓	

*Sample homogenized in sample container unless otherwise noted.

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\200519R1\200519R1-5.qld

Last Altered: Tuesday, May 19, 2020 13:59:21 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 14:00:02 Pacific Daylight Time

GRB 05/19/2020

C1 05/20/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.947	10.000	26.036		1.001				0.0480	
2	2 1,2,3,7,8-PeCDD			NO	0.942	10.000	31.132		1.001				0.0423	
3	3 1,2,3,4,7,8-HxCDD			NO	1.06	10.000	34.494		1.000				0.0466	
4	4 1,2,3,6,7,8-HxCDD			NO	0.915	10.000	34.590		1.000				0.0464	
5	5 1,2,3,7,8,9-HxCDD			NO	0.915	10.000	34.867		1.000				0.0553	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.898	10.000	38.373		1.000				0.0803	
7	7 OCDD	5.71e2	0.85	NO	0.933	10.000	41.354	41.38	1.000	1.001	0.19783		0.109	0.198
8	8 2,3,7,8-TCDF			NO	0.787	10.000	25.102		1.001				0.0282	
9	9 1,2,3,7,8-PeCDF			NO	0.910	10.000	29.803		1.001				0.0310	
10	10 2,3,4,7,8-PeCDF			NO	0.966	10.000	30.820		1.001				0.0268	
11	11 1,2,3,4,7,8-HxCDF			NO	0.878	10.000	33.621		1.000				0.0353	
12	12 1,2,3,6,7,8-HxCDF			NO	0.874	10.000	33.748		1.000				0.0341	
13	13 2,3,4,6,7,8-HxCDF			NO	0.922	10.000	34.348		1.001				0.0374	
14	14 1,2,3,7,8,9-HxCDF	3.12e2	1.31	NO	0.864	10.000	35.208	35.24	1.000	1.001	0.075954		0.0326	0.0760
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.871	10.000	36.971		1.001				0.0538	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.000	38.947		1.000				0.0600	
17	17 OCDF	4.81e2	0.76	NO	0.802	10.000	41.535	41.57	1.000	1.001	0.17204		0.0828	0.172
18	18 13C-2,3,7,8-TCDD	1.51e6	0.80	NO	1.16	10.000	26.000	26.00	1.026	1.027	198.55	99.3	0.171	
19	19 13C-1,2,3,7,8-PeCDD	1.21e6	0.63	NO	0.847	10.000	31.086	31.11	1.227	1.228	218.05	109	0.288	
20	20 13C-1,2,3,4,7,8-HxCDD	8.21e5	1.28	NO	0.750	10.000	34.495	34.48	1.014	1.014	176.18	88.1	0.422	
21	21 13C-1,2,3,6,7,8-HxCDD	1.08e6	1.26	NO	0.963	10.000	34.607	34.59	1.017	1.017	181.07	90.5	0.328	
22	22 13C-1,2,3,7,8,9-HxCDD	9.29e5	1.22	NO	0.838	10.000	34.876	34.86	1.025	1.025	178.52	89.3	0.377	
23	23 13C-1,2,3,4,6,7,8-HpCDD	7.16e5	1.06	NO	0.641	10.000	38.366	38.36	1.128	1.128	179.69	89.8	0.365	
24	24 13C-OCDD	1.24e6	0.90	NO	0.586	10.000	41.359	41.35	1.216	1.216	339.54	84.9	0.409	
25	25 13C-2,3,7,8-TCDF	1.83e6	0.77	NO	1.03	10.000	25.060	25.08	0.989	0.990	191.12	95.6	0.301	
26	26 13C-1,2,3,7,8-PeCDF	1.70e6	1.62	NO	0.845	10.000	29.777	29.78	1.176	1.176	217.24	109	0.437	
27	27 13C-2,3,4,7,8-PeCDF	1.64e6	1.58	NO	0.814	10.000	30.767	30.79	1.215	1.215	217.35	109	0.453	
28	28 13C-1,2,3,4,7,8-HxCDF	1.11e6	0.51	NO	1.00	10.000	33.634	33.62	0.989	0.988	178.53	89.3	0.473	
29	29 13C-1,2,3,6,7,8-HxCDF	1.29e6	0.50	NO	1.14	10.000	33.756	33.74	0.992	0.992	182.73	91.4	0.418	
30	30 13C-2,3,4,6,7,8-HxCDF	1.12e6	0.51	NO	1.02	10.000	34.325	34.31	1.009	1.009	176.70	88.3	0.465	
31	31 13C-1,2,3,7,8,9-HxCDF	9.51e5	0.50	NO	0.845	10.000	35.216	35.21	1.035	1.035	181.33	90.7	0.562	

Dataset: U:\VG12.PRO\Results\200519R1\200519R1-5.qld

Last Altered: Tuesday, May 19, 2020 13:59:21 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 14:00:02 Pacific Daylight Time

2. ID: B0E0107-Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.20e5	0.43	NO	0.771	10.000	36.947	36.93	1.086	1.086	171.16	85.6	0.505	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.74e5	0.42	NO	0.482	10.000	38.957	38.95	1.145	1.145	191.66	95.8	0.807	
34	34 13C-OCDF	1.39e6	0.87	NO	0.669	10.000	41.529	41.53	1.221	1.221	335.54	83.9	0.351	
35	35 37Cl-2,3,7,8-TCDD	5.70e5			1.10	10.000	26.030	26.03	1.028	1.028	79.371	99.2	0.0488	
36	36 13C-1,2,3,4-TCDD	1.31e6	0.80	NO	1.00	10.000	25.350	25.33	1.000	1.000	200.00	100	0.199	
37	37 13C-1,2,3,4-TCDF	1.85e6	0.79	NO	1.00	10.000	23.560	23.55	1.000	1.000	200.00	100	0.311	
38	38 13C-1,2,3,4,6,9-HxCDF	1.24e6	0.51	NO	1.00	10.000	34.000	34.01	1.000	1.000	200.00	100	0.475	
39	39 Total Tetra-Dioxins				0.947	10.000	24.620		0.000				0.0328	
40	40 Total Penta-Dioxins				0.942	10.000	29.960		0.000				0.0192	
41	41 Total Hexa-Dioxins				0.915	10.000	33.635		0.000				0.0298	
42	42 Total Hepta-Dioxins				0.898	10.000	37.640		0.000				0.0418	
43	43 Total Tetra-Furans				0.787	10.000	23.610		0.000				0.0109	
44	44 1st Func. Penta-Furans				0.910	10.000	27.090		0.000				0.00456	
45	45 Total Penta-Furans				0.910	10.000	29.275		0.000				0.0141	
46	46 Total Hexa-Furans				0.922	10.000	33.555		0.000		0.075954		0.0227	0.0760
47	47 Total Hepta-Furans				0.871	10.000	37.835		0.000				0.0319	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200519R1\200519R1-5.qld

Last Altered: Tuesday, May 19, 2020 13:59:21 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 14:00:02 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-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\200519R1\200519R1-5.qld

Last Altered: Tuesday, May 19, 2020 13:59:21 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 14:00:02 Pacific Daylight Time

22. ID: B0E Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-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	1,2,3,7,8,9-HxCDF	35.24	3.432e3	2.437e3	1.769e2	1.353e2	1.31	NO	3.122e2	0.075954	0.075954	0.0326

Hepta-Furans

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

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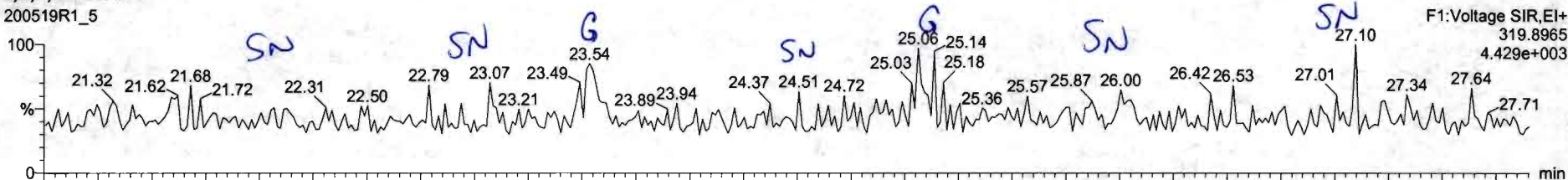
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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
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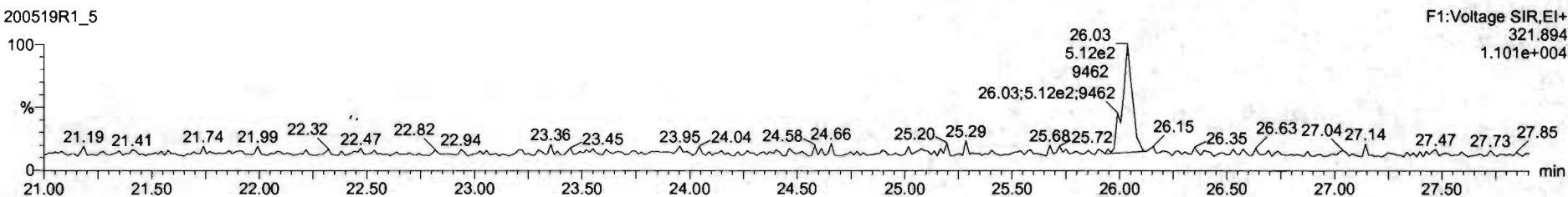
Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD

200519R1_5

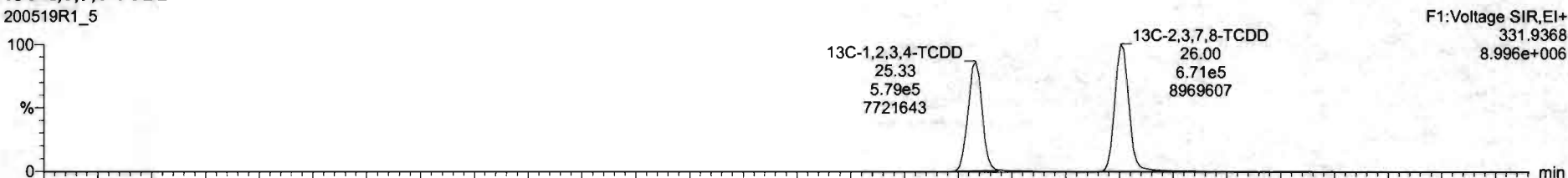


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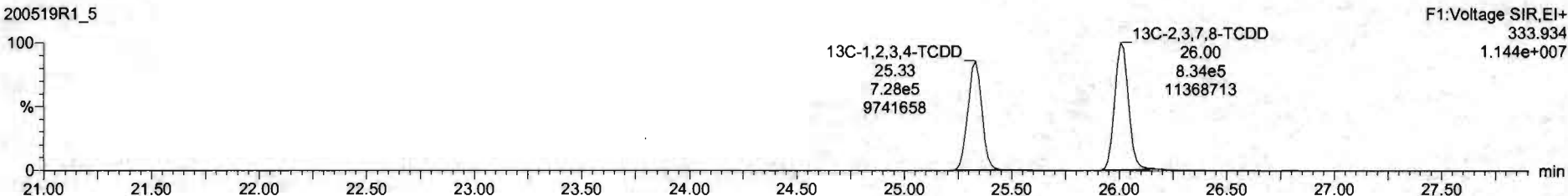


13C-2,3,7,8-TCDD

200519R1_5



200519R1_5



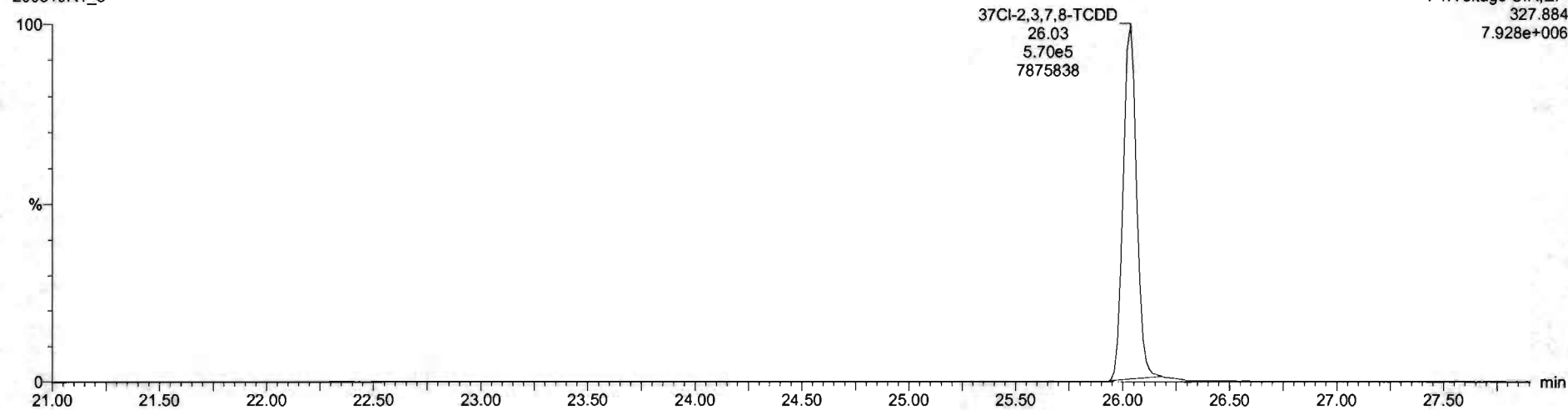
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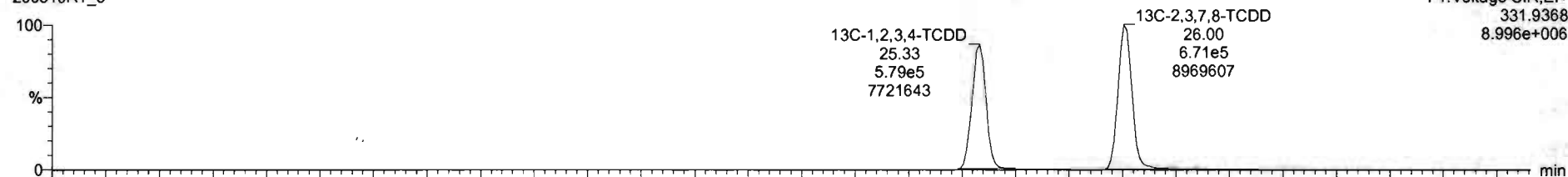
37Cl-2,3,7,8-TCDD

200519R1_5

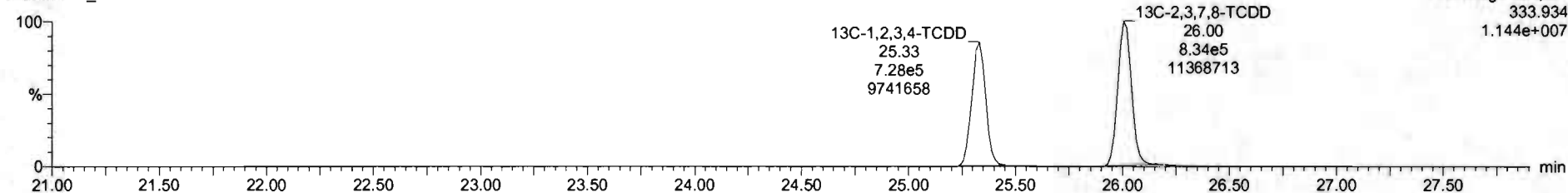


13C-1,2,3,4-TCDD

200519R1_5



200519R1_5



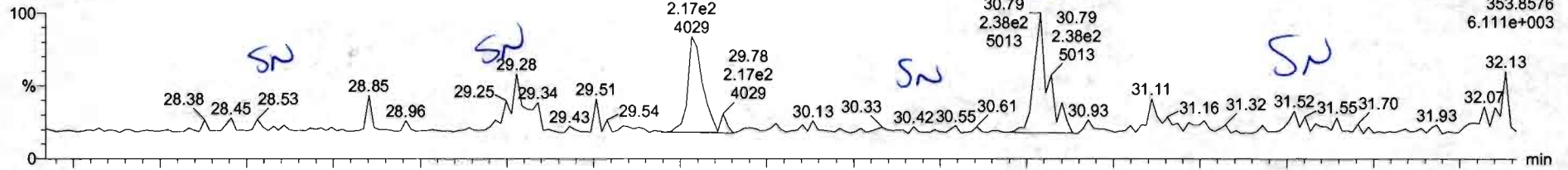
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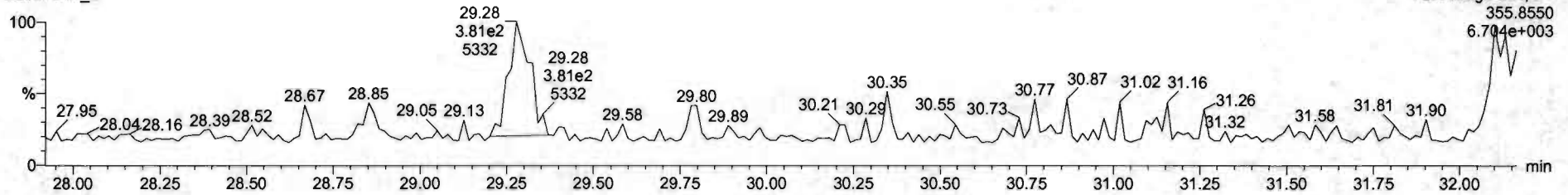
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1,2,3,7,8-PeCDD

200519R1_5

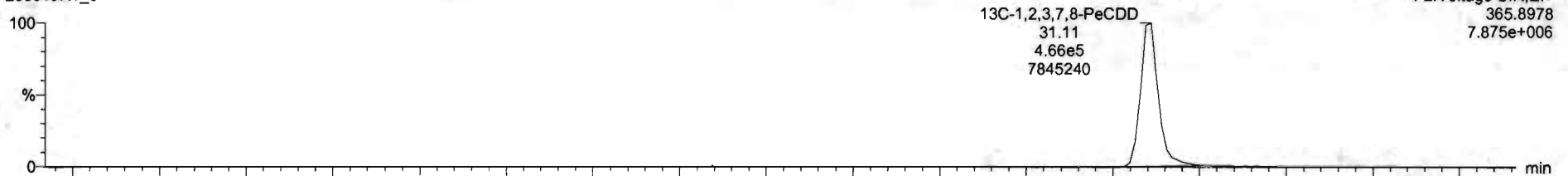


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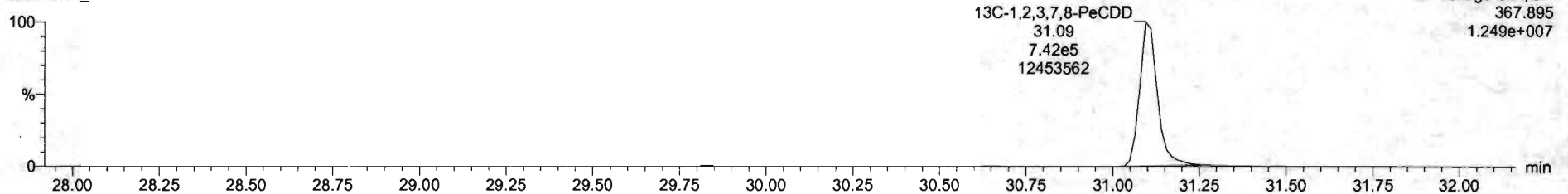


13C-1,2,3,7,8-PeCDD

200519R1_5



200519R1_5



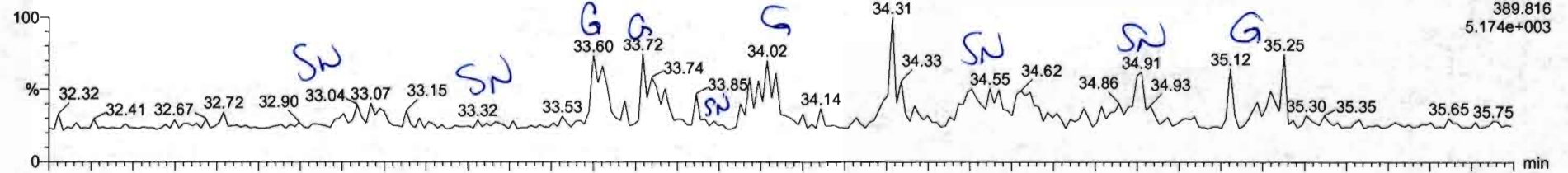
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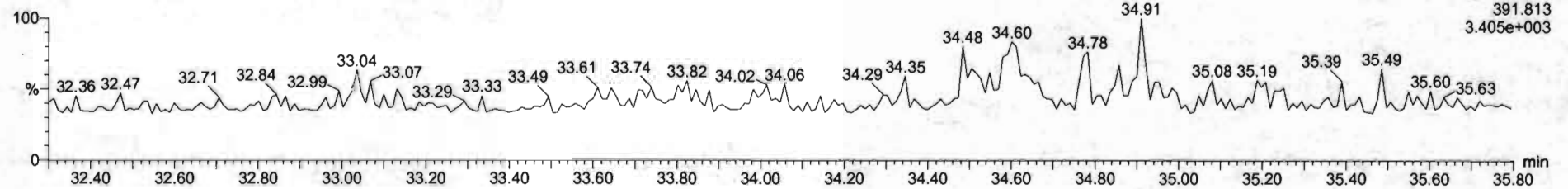
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1,2,3,4,7,8-HxCDD

200519R1_5

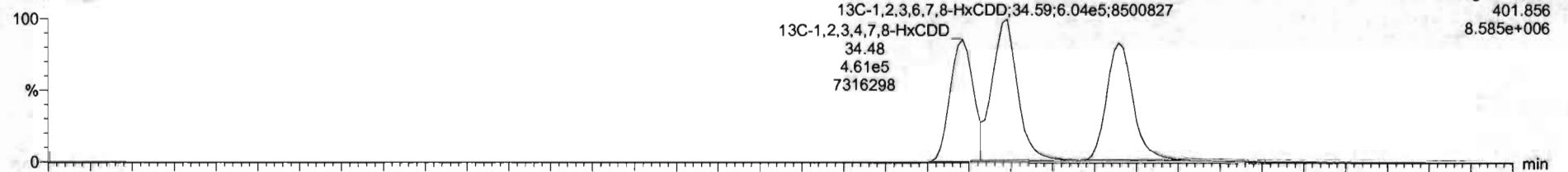


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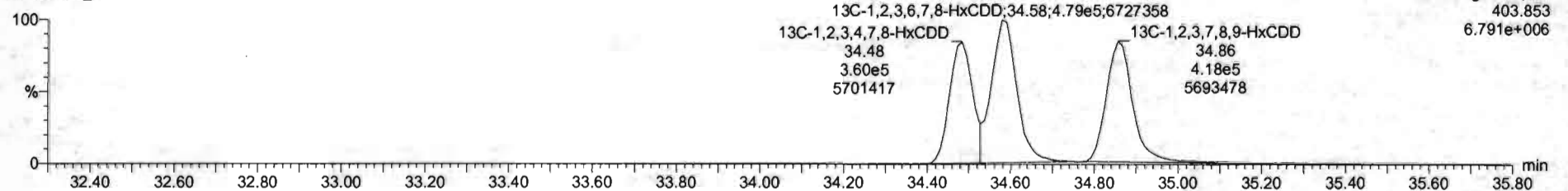


13C-1,2,3,4,7,8-HxCDD

200519R1_5



200519R1_5



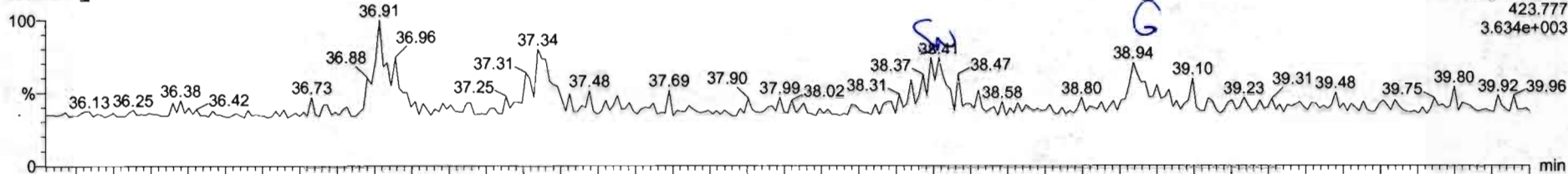
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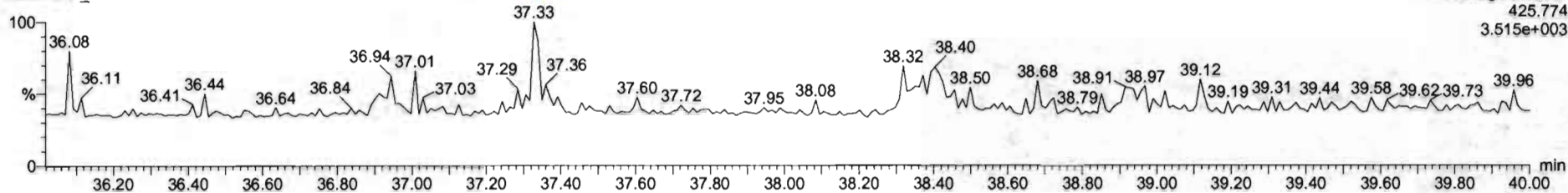
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1,2,3,4,6,7,8-HpCDD

200519R1_5

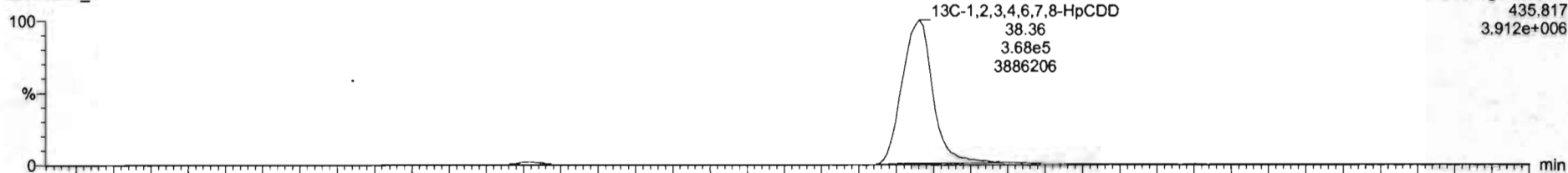


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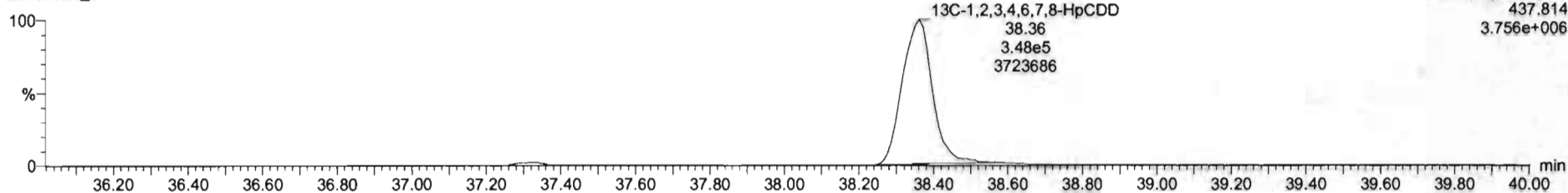


13C-1,2,3,4,6,7,8-HpCDD

200519R1_5



200519R1_5

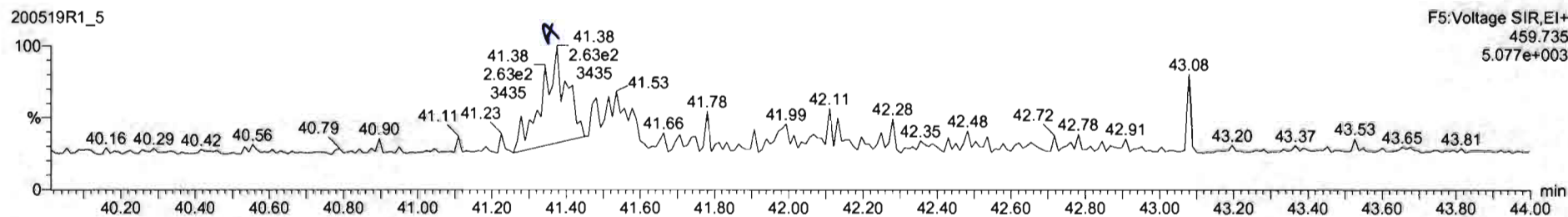
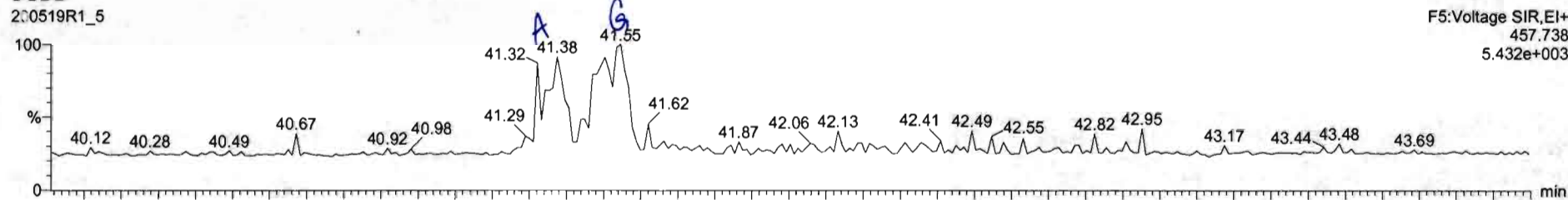


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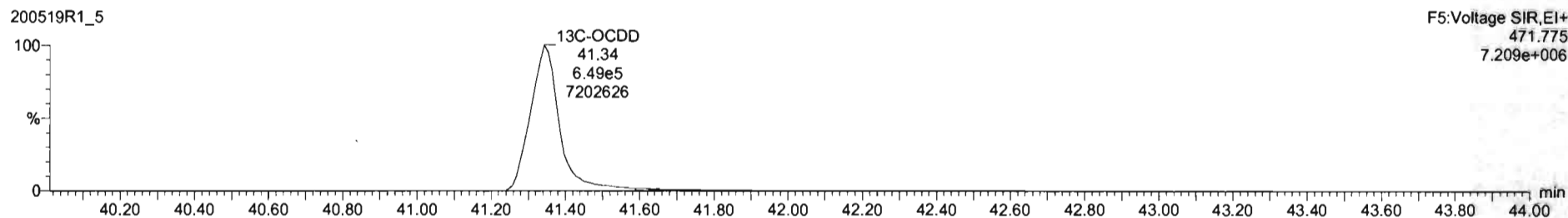
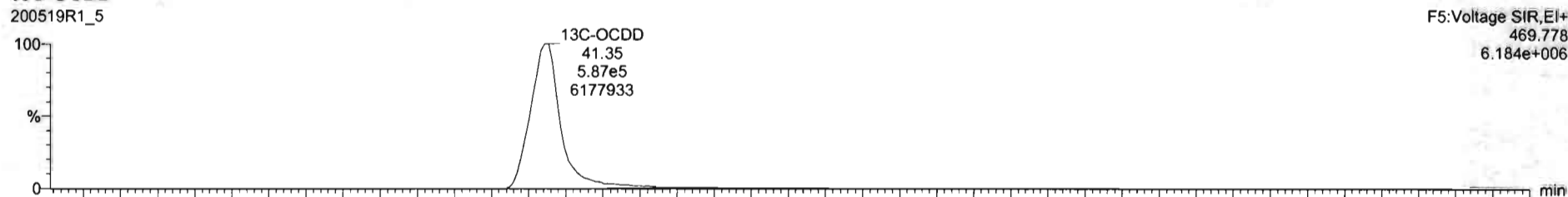
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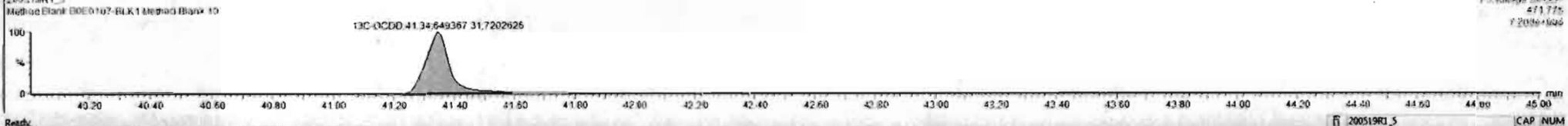
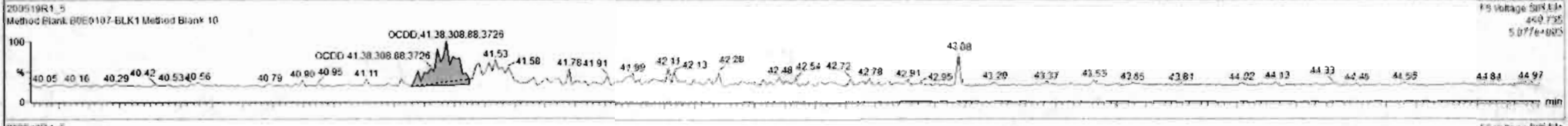
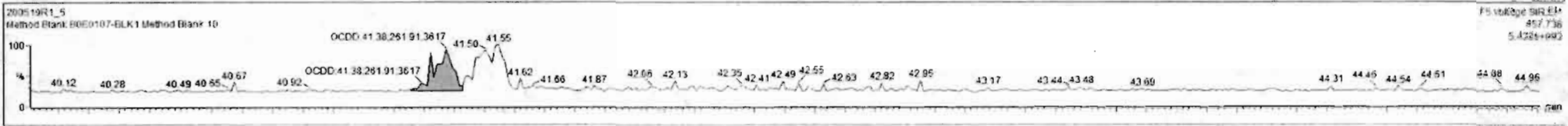
OCDD



13C-OCDD



#	Name	Resp	RA	nry	RRF	wfVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.9475	10.000					0.0490	
2	1,2,3,7,8-PeCDD			NO	0.9425	10.000					0.0423	
3	1,2,3,4,7,8-HxCDD			NO	1.0641	10.000					0.0466	
4	1,2,3,6,7,8-HxCDD			NO	0.9145	10.000					0.0464	
5	1,2,3,7,8,9-HxCDD			NO	0.9145	10.000					0.0553	
6	1,2,3,4,6,7,8-HpCDD			NO	0.8979	10.000					0.0803	
7	OCDD	5.71e2	0.25	NO	0.9335	10.000	41.36	1.001	0.180		0.100	0.196
8	2,3,7,8-TCDF			NO	0.7871	10.000					0.0282	
9	1,2,3,7,8-PeCDF			NO	0.9102	10.000					0.0310	
10	2,3,4,7,8-PeCDF			NO	0.9664	10.000					0.0260	
11	1,2,3,4,7,8-HxCDF			NO	0.8782	10.000					0.0353	
12	1,2,3,6,7,8-HxCDF			NO	0.8740	10.000					0.0341	
13	2,3,4,6,7,8-HxCDF			NO	0.9217	10.000					0.0374	
14	1,2,3,7,8,9-HxCDF			NO	0.8642	10.000					0.0544	
15	1,2,3,4,6,7,8-HpCDF			NO	0.8712	10.000					0.0538	
16	1,2,3,4,7,8,9-HpCDF			NO	1.0116	10.000					0.0600	
17	OCDF			NO	0.8021	10.000					0.0828	

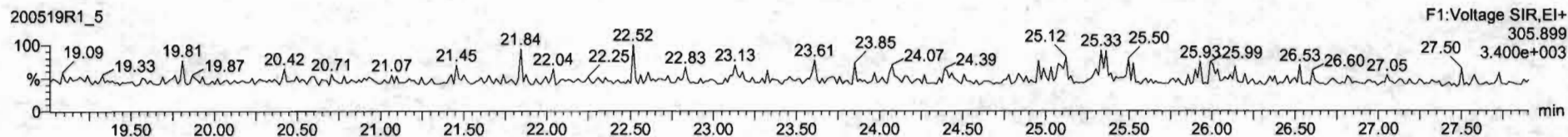
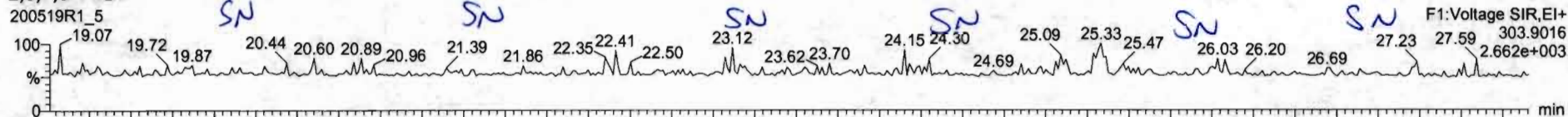


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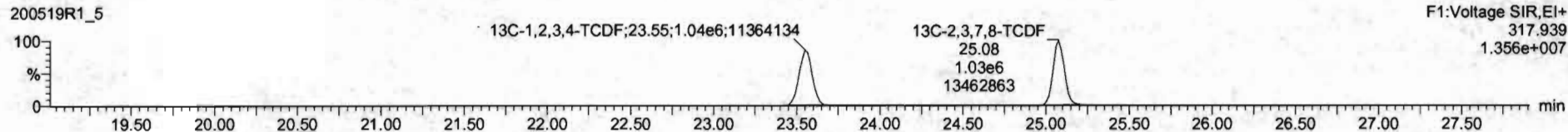
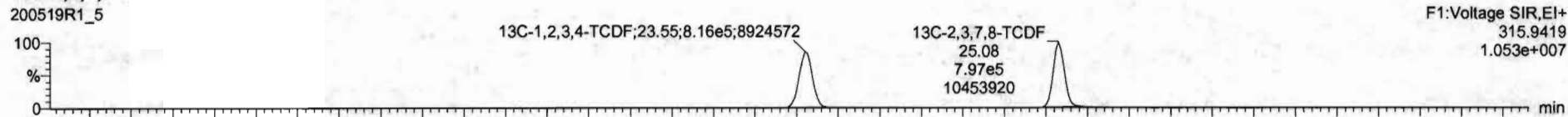
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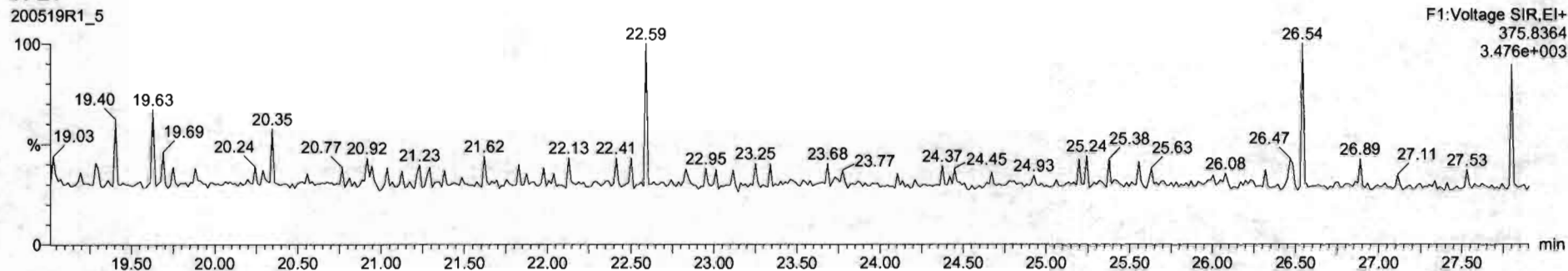
2,3,7,8-TCDF



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



DPE1



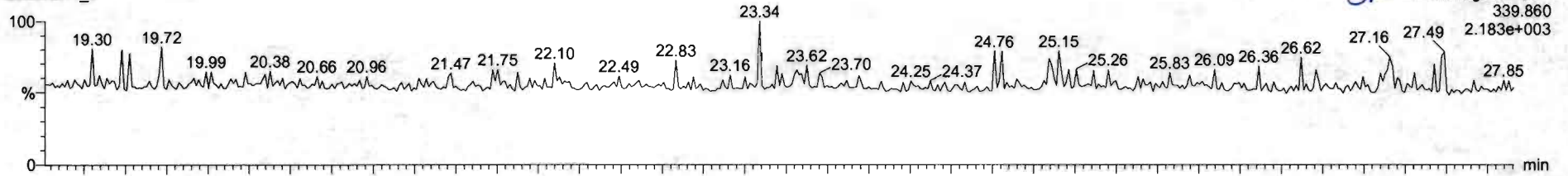
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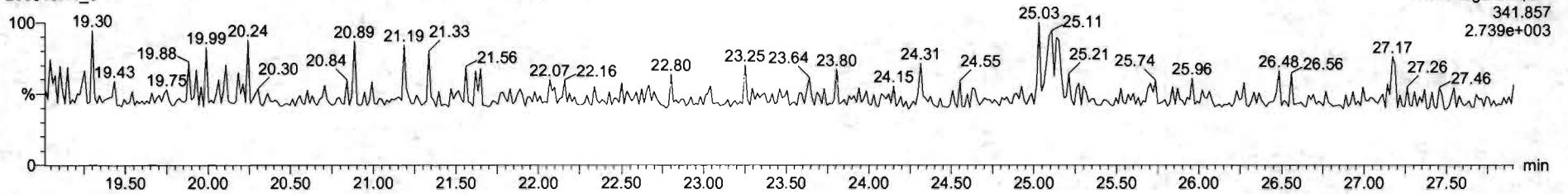
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1st Func. Penta-Furans

200519R1_5

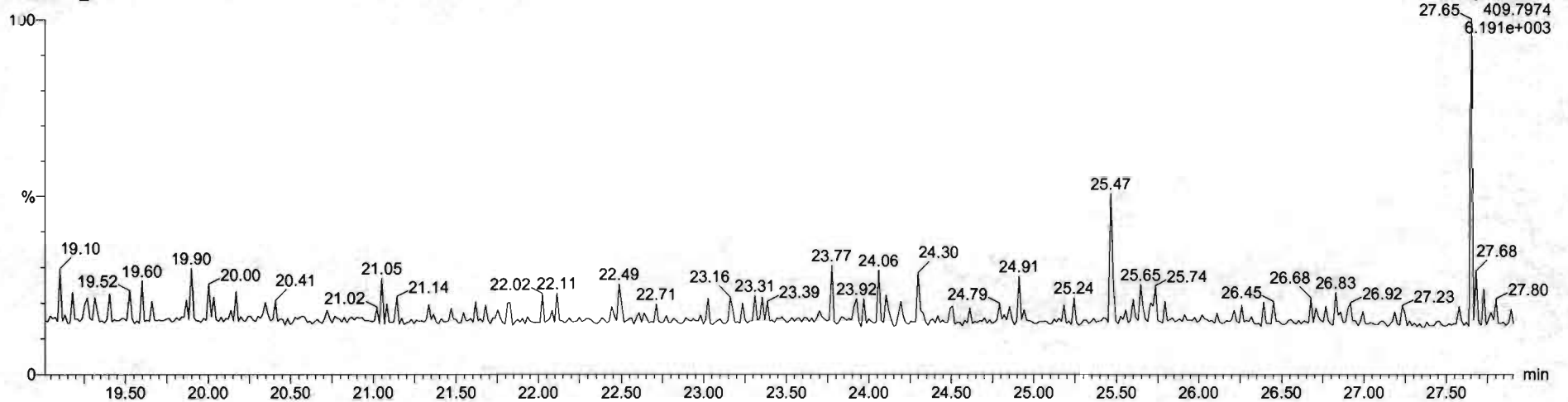


200519R1_5



DPE6

200519R1_5

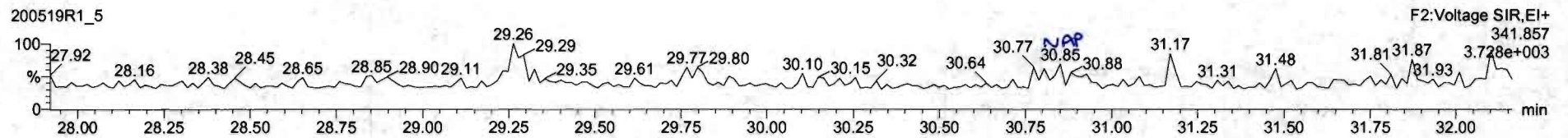
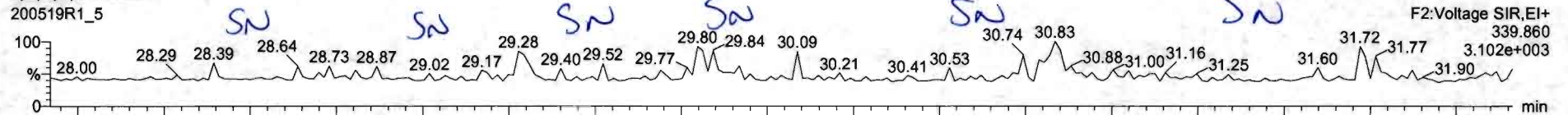


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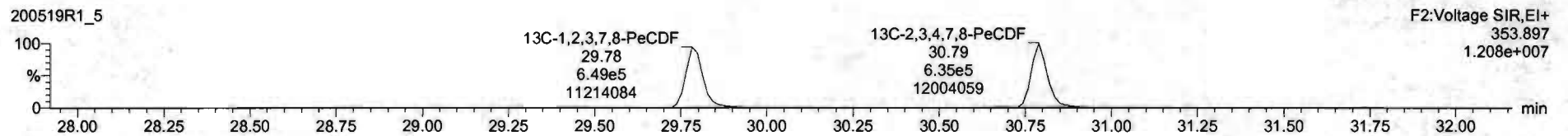
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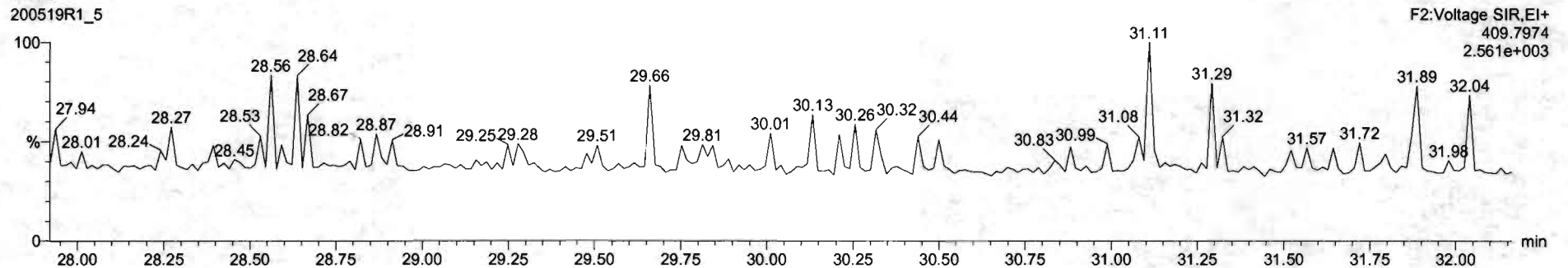
1,2,3,7,8-PeCDF



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



DPE2

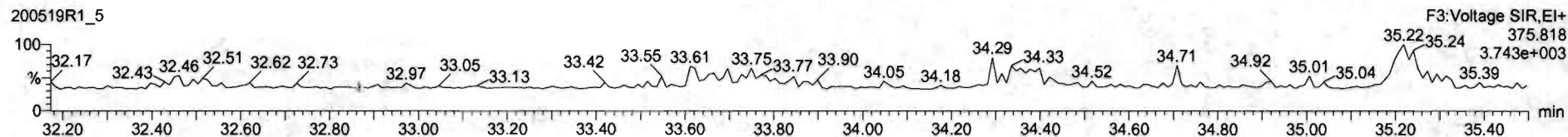


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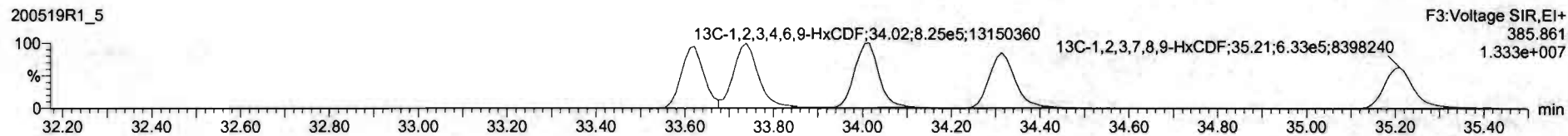
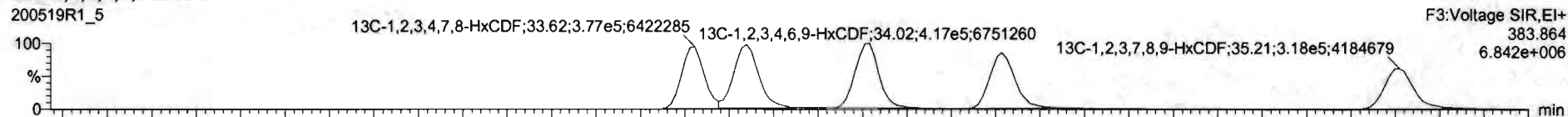
Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank

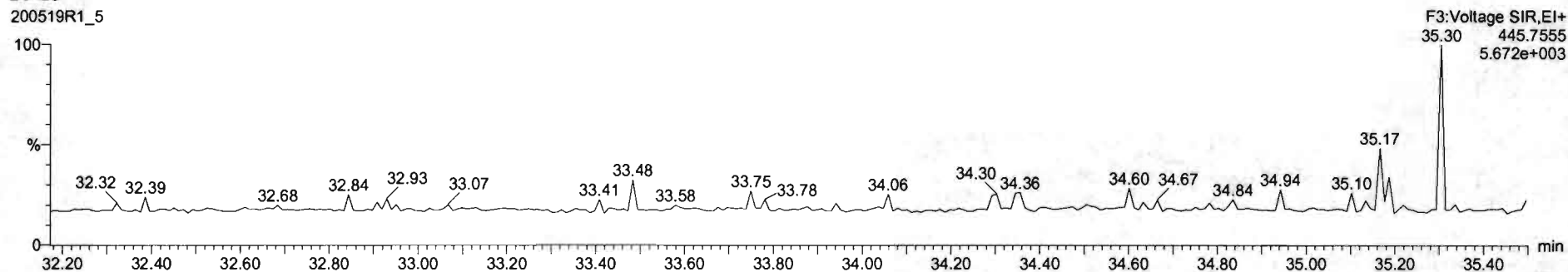
1,2,3,4,7,8-HxCDF



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

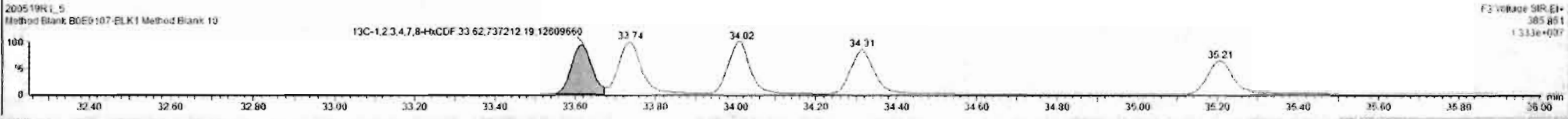
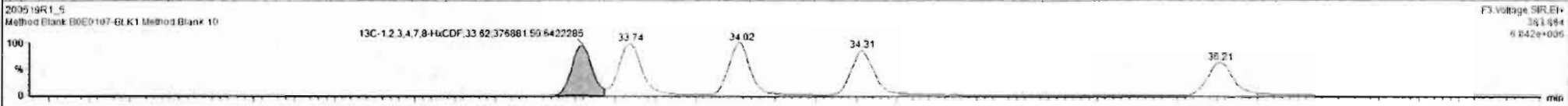
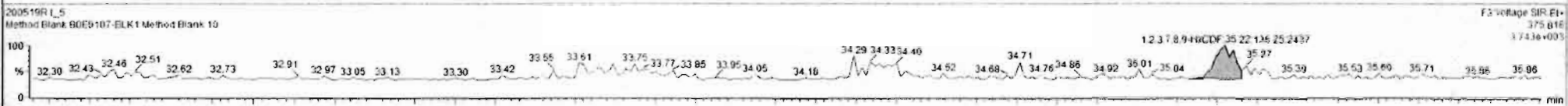
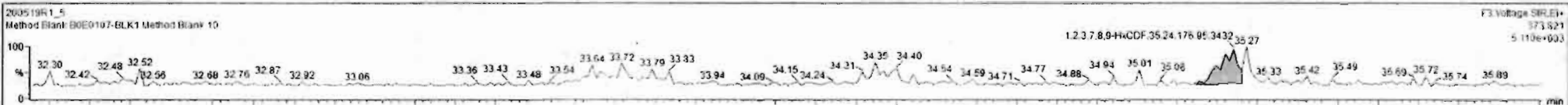


DPE3



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9217	18.506			0.0780		0.0227	0.0760
47 Total Hepta-Furans				0.8712	19.000					0.0310	
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8,9-HxCDF	35.24	1.769e2	1.353e2	1.31	NO	0.075954	0.075954

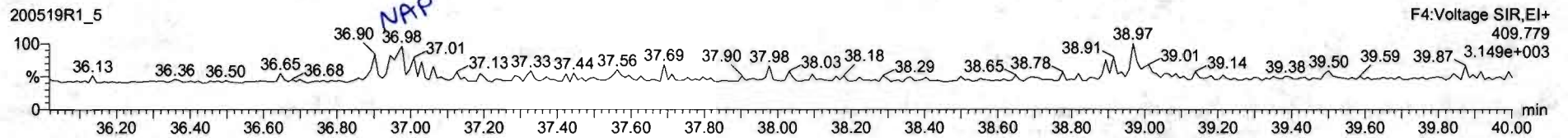
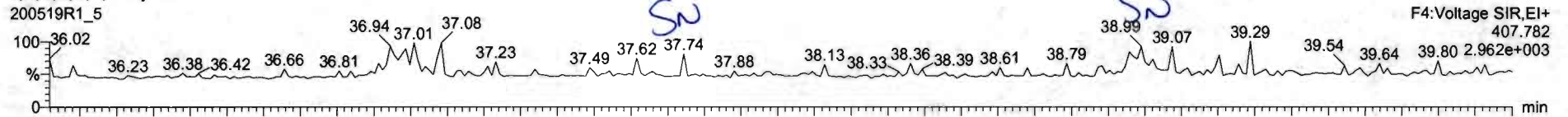


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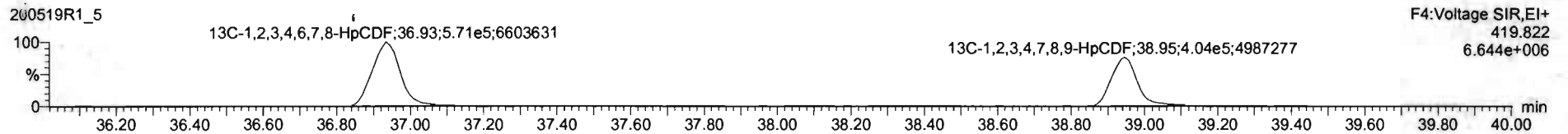
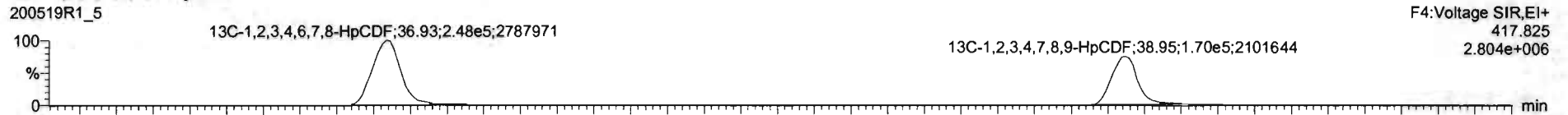
Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank

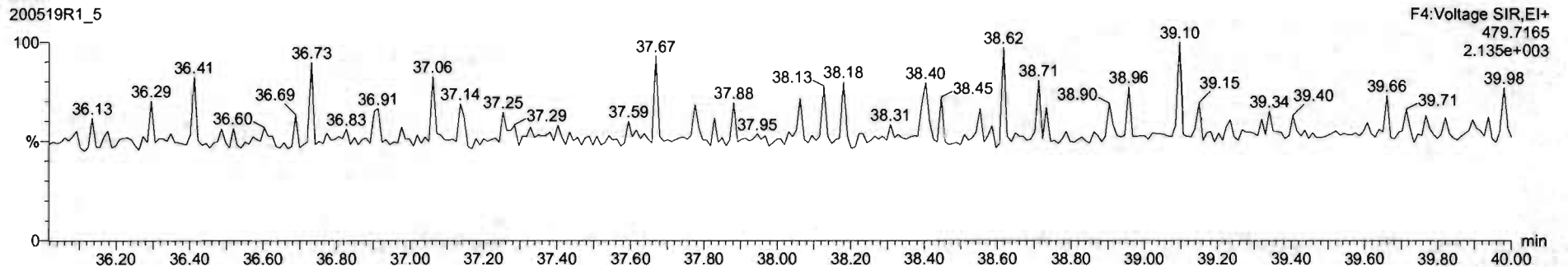
1,2,3,4,6,7,8-HpCDF



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



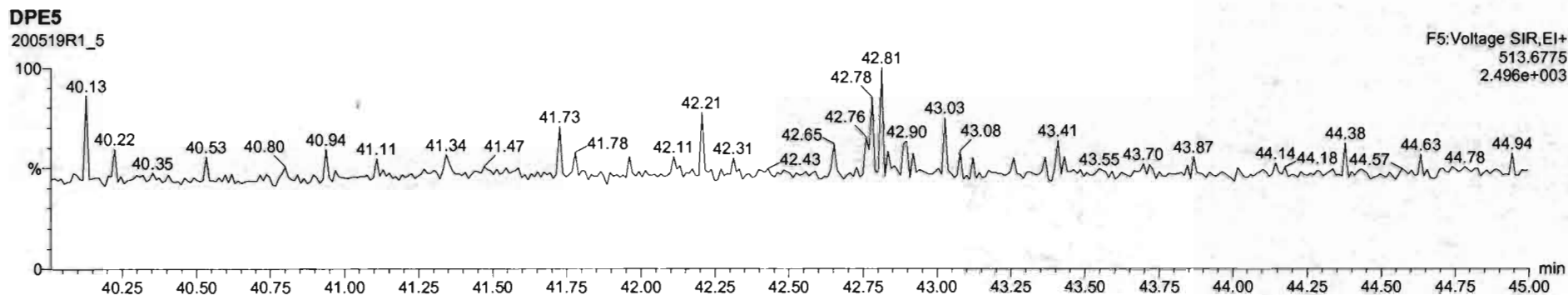
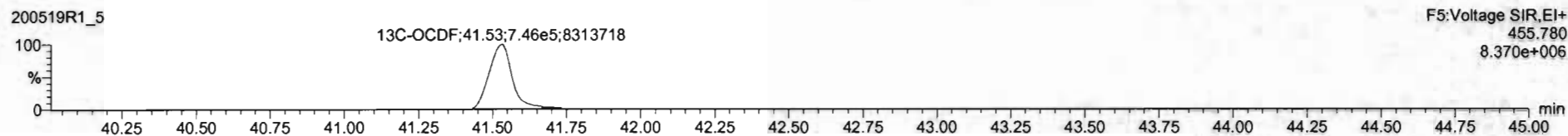
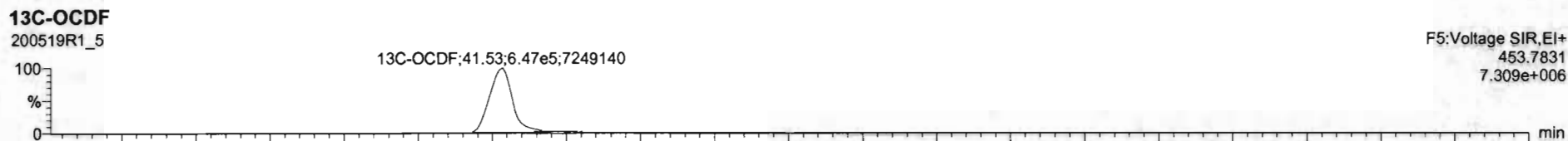
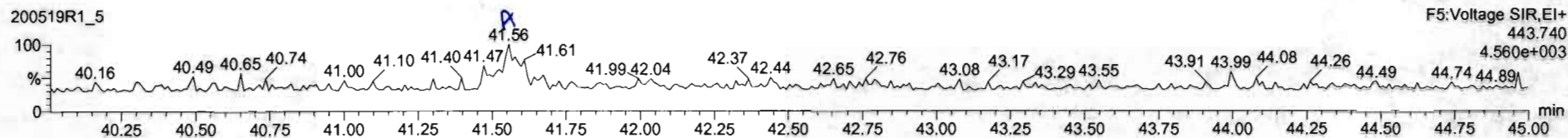
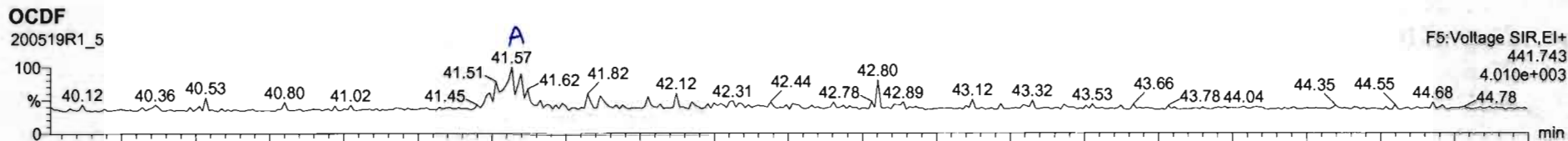
DPE4



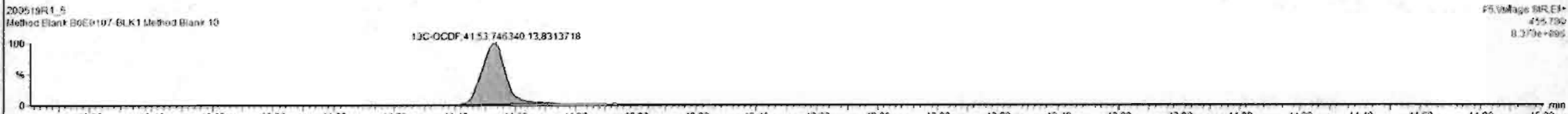
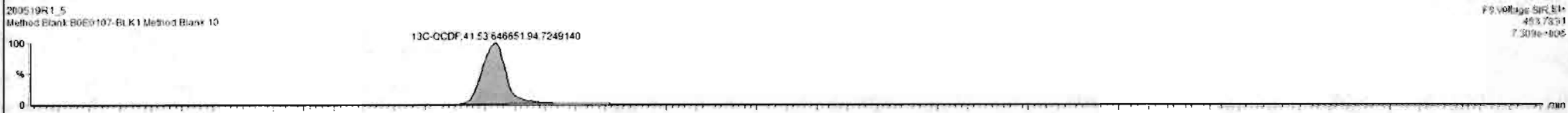
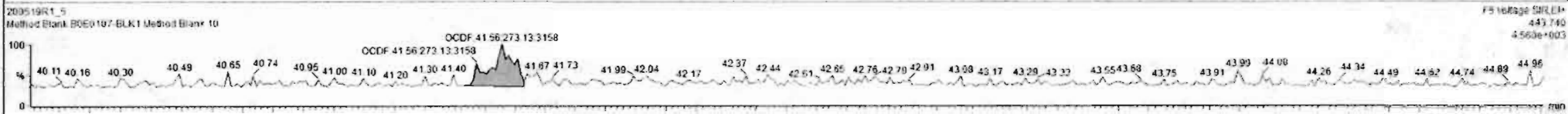
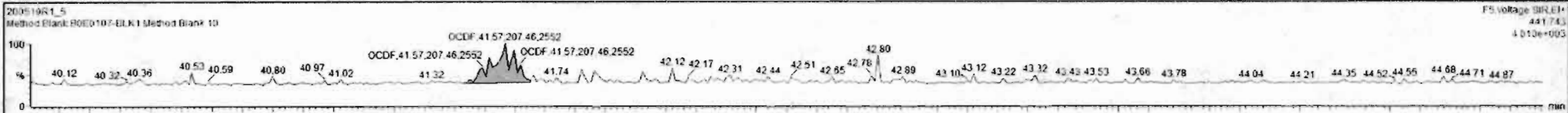
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Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank



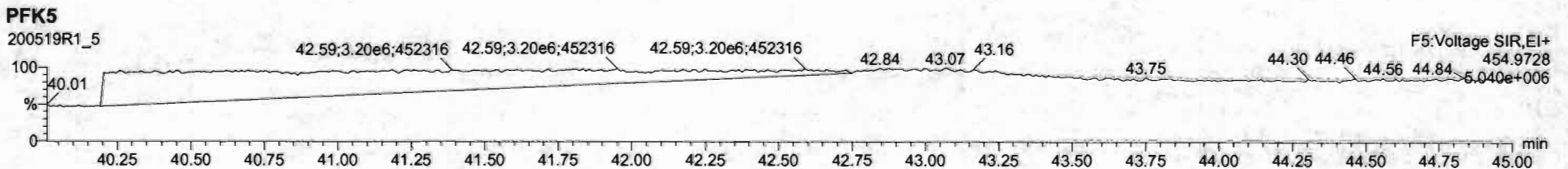
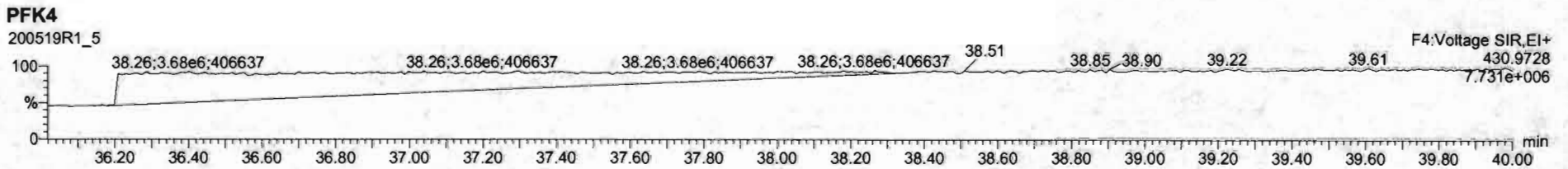
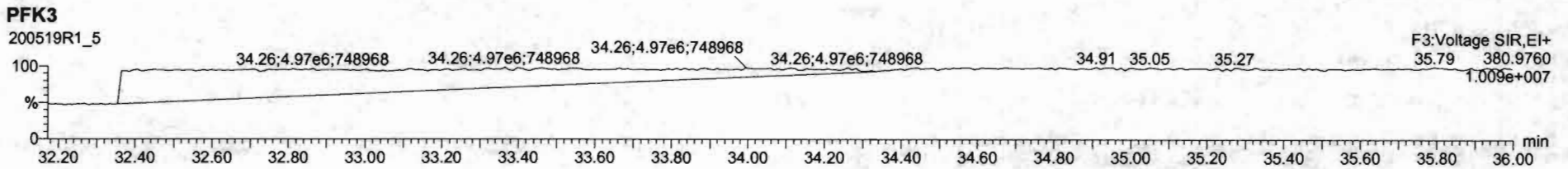
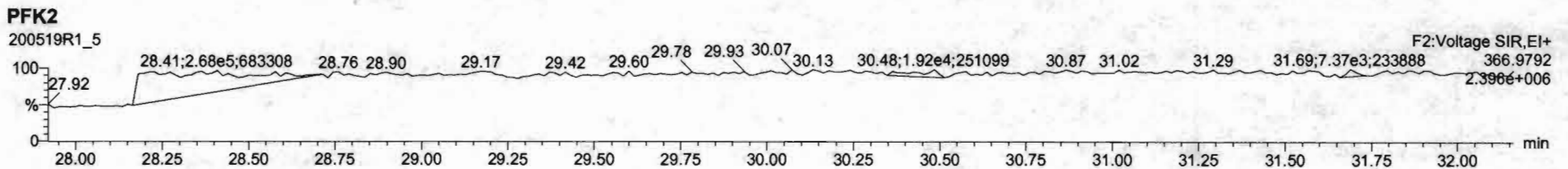
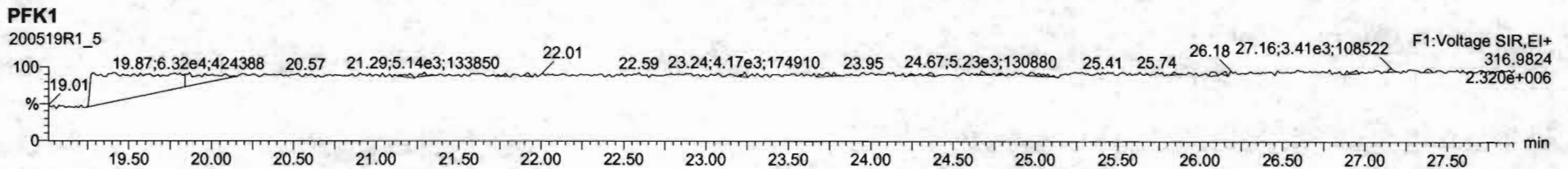
Name	Resp	RA	afy	RRF	wtVol	RT	RRT	Conc	%Rec	OL	EMPC
1 2,3,7,8-TCDD			NO	0.9475	10.000					0.0430	
2 1,2,3,7,8-PeCDD			NO	0.6425	10.000					0.0423	
3 1,2,3,4,7,8-HxCDD			NO	1.0641	10.000					0.0466	
4 1,2,3,6,7,8-HxCDD			NO	0.9145	10.000					0.0464	
5 1,2,3,7,8,9-HxCDD			NO	0.9149	10.000					0.0553	
6 1,2,3,4,6,7,8-HpCDD			NO	0.8979	10.000					0.0800	
7 OCDD	5.71e2	0.85	NO	0.9335	10.000	41.35	1.001	0.198		0.109	0.198
8 2,3,7,8-TCDF			NO	0.7871	10.000					0.0232	
9 1,2,3,7,8-PeCDF			NO	0.9102	10.000					0.0310	
10 2,3,4,7,8-PeCDF			NO	0.9664	10.000					0.0298	
11 1,2,3,4,7,8-HxCDF			NO	0.8782	10.000					0.0353	
12 1,2,3,6,7,8-HxCDF			NO	0.8740	10.000					0.0341	
13 2,3,4,6,7,8-HxCDF			NO	0.9217	10.000					0.0374	
14 1,2,3,7,8,9-HxCDF			NO	0.8542	10.000					0.0544	
15 1,2,3,4,6,7,8-HpCDF			NO	0.8712	10.000					0.0538	
16 1,2,3,4,7,8,9-HpCDF			NO	1.0116	10.000					0.0600	
17 OCDF	4.81e2	0.76	NO	0.8021	10.000	41.57	1.001	0.172		0.0828	0.172



Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG12.PRO\Results\200519R1\200519R1-2.qld

Last Altered: Tuesday, May 19, 2020 13:41:35 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:42:08 Pacific Daylight Time

GRB 05/19/2020

C7 05/20/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.03e5	0.76	NO	0.947	10.000	26.051	26.05	1.001	1.001	16.669		0.745	16.7
2	2 1,2,3,7,8-PeCDD	4.44e5	0.62	NO	0.942	10.000	31.147	31.14	1.001	1.000	85.483		0.112	85.5
3	3 1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.06	10.000	34.505	34.52	1.000	1.001	94.936		0.201	94.9
4	4 1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.915	10.000	34.601	34.61	1.000	1.000	90.964		0.205	91.0
5	5 1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.915	10.000	34.888	34.89	1.000	1.000	90.967		0.245	91.0
6	6 1,2,3,4,6,7,8-HpCDD	2.62e5	1.02	NO	0.898	10.000	38.394	38.39	1.000	1.000	94.315		0.254	94.3
7	7 OCDD	4.77e5	0.88	NO	0.933	10.000	41.354	41.36	1.000	1.000	189.23		0.331	189
8	8 2,3,7,8-TCDF	1.14e5	0.76	NO	0.787	10.000	25.102	25.11	1.001	1.001	18.091		0.125	18.1
9	9 1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.910	10.000	29.834	29.83	1.001	1.001	91.341		0.157	91.3
10	10 2,3,4,7,8-PeCDF	6.62e5	1.54	NO	0.966	10.000	30.850	30.83	1.001	1.001	91.434		0.144	91.4
11	11 1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.878	10.000	33.632	33.65	1.000	1.001	101.55		0.264	102
12	12 1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.874	10.000	33.770	33.77	1.000	1.000	100.89		0.255	101
13	13 2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.922	10.000	34.369	34.35	1.001	1.000	100.51		0.270	101
14	14 1,2,3,7,8,9-HxCDF	3.66e5	1.19	NO	0.864	10.000	35.230	35.24	1.000	1.000	102.14		0.403	102
15	15 1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.871	10.000	36.992	36.98	1.001	1.001	100.91		0.337	101
16	16 1,2,3,4,7,8,9-HpCDF	2.60e5	1.03	NO	1.01	10.000	38.957	38.98	1.000	1.001	103.16		0.398	103
17	17 OCDF	4.94e5	0.88	NO	0.802	10.000	41.535	41.56	1.000	1.001	192.31		0.381	192
18	18 13C-2,3,7,8-TCDD	1.31e6	0.77	NO	1.16	10.000	26.000	26.02	1.026	1.027	181.77	90.9	0.195	
19	19 13C-1,2,3,7,8-PeCDD	1.10e6	0.62	NO	0.847	10.000	31.086	31.13	1.227	1.229	209.62	105	0.260	
20	20 13C-1,2,3,4,7,8-HxCDD	7.40e5	1.28	NO	0.750	10.000	34.506	34.49	1.014	1.014	176.40	88.2	0.437	
21	21 13C-1,2,3,6,7,8-HxCDD	9.71e5	1.26	NO	0.963	10.000	34.618	34.60	1.017	1.017	180.30	90.1	0.340	
22	22 13C-1,2,3,7,8,9-HxCDD	8.47e5	1.20	NO	0.838	10.000	34.887	34.88	1.025	1.025	180.85	90.4	0.391	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.19e5	1.07	NO	0.641	10.000	38.378	38.38	1.128	1.128	172.59	86.3	0.398	
24	24 13C-OCDD	1.08e6	0.85	NO	0.586	10.000	41.372	41.35	1.216	1.215	329.17	82.3	0.420	
25	25 13C-2,3,7,8-TCDF	1.60e6	0.78	NO	1.03	10.000	25.060	25.08	0.989	0.990	176.32	88.2	0.395	
26	26 13C-1,2,3,7,8-PeCDF	1.53e6	1.57	NO	0.845	10.000	29.777	29.81	1.176	1.177	205.74	103	0.590	
27	27 13C-2,3,4,7,8-PeCDF	1.50e6	1.59	NO	0.814	10.000	30.767	30.82	1.215	1.217	209.80	105	0.613	
28	28 13C-1,2,3,4,7,8-HxCDF	9.89e5	0.51	NO	1.00	10.000	33.645	33.63	0.989	0.988	175.95	88.0	0.429	
29	29 13C-1,2,3,6,7,8-HxCDF	1.17e6	0.52	NO	1.14	10.000	33.767	33.76	0.992	0.992	184.51	92.3	0.380	
30	30 13C-2,3,4,6,7,8-HxCDF	1.02e6	0.52	NO	1.02	10.000	34.336	34.33	1.009	1.009	178.62	89.3	0.422	
31	31 13C-1,2,3,7,8,9-HxCDF	8.30e5	0.52	NO	0.845	10.000	35.227	35.23	1.035	1.035	175.57	87.8	0.511	

Dataset: U:\VG12.PRO\Results\200519R1\200519R1-2.qld

Last Altered: Tuesday, May 19, 2020 13:41:35 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:42:08 Pacific Daylight Time

Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.19e5	0.43	NO	0.771	10.000	36.959	36.96	1.086	1.086	166.73	83.4	0.384	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.99e5	0.45	NO	0.482	10.000	38.970	38.96	1.145	1.145	184.83	92.4	0.614	
34	34 13C-OCDF	1.28e6	0.93	NO	0.669	10.000	41.542	41.53	1.221	1.221	342.56	85.6	0.373	
35	35 37Cl-2,3,7,8-TCDD	4.76e5			1.10	10.000	26.030	26.05	1.028	1.028	69.747	87.2	0.0493	
36	36 13C-1,2,3,4-TCDD	1.24e6	0.80	NO	1.00	10.000	25.350	25.33	1.000	1.000	200.00	100	0.226	
37	37 13C-1,2,3,4-TCDF	1.75e6	0.78	NO	1.00	10.000	23.560	23.53	1.000	1.000	200.00	100	0.409	
38	38 13C-1,2,3,4,6,9-HxCDF	1.12e6	0.51	NO	1.00	10.000	34.000	34.03	1.000	1.000	200.00	100	0.431	

Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 13:25:18 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:43 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR

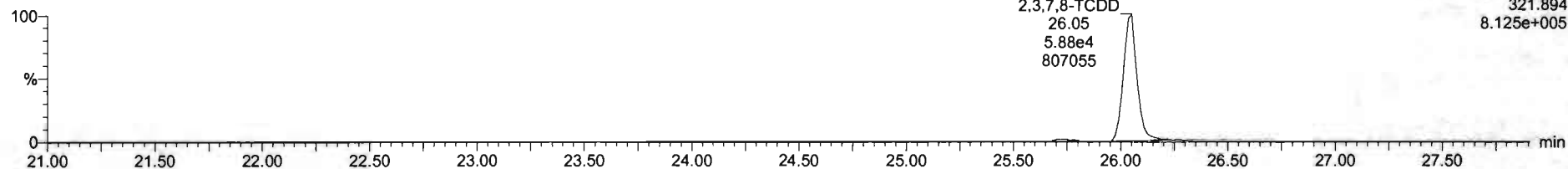
2,3,7,8-TCDD

200519R1_2



F1:Voltage SIR,EI+
319.8965
6.134e+005

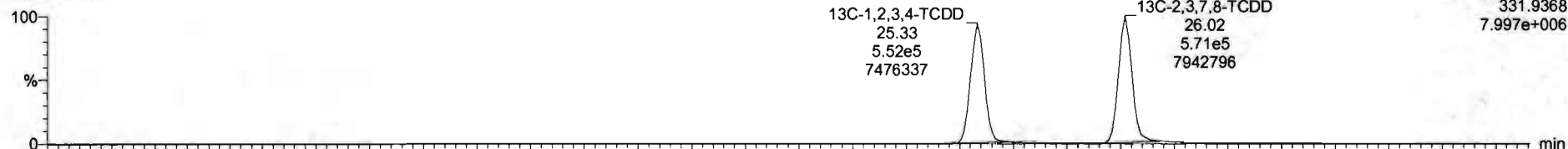
200519R1_2



F1:Voltage SIR,EI+
321.894
8.125e+005

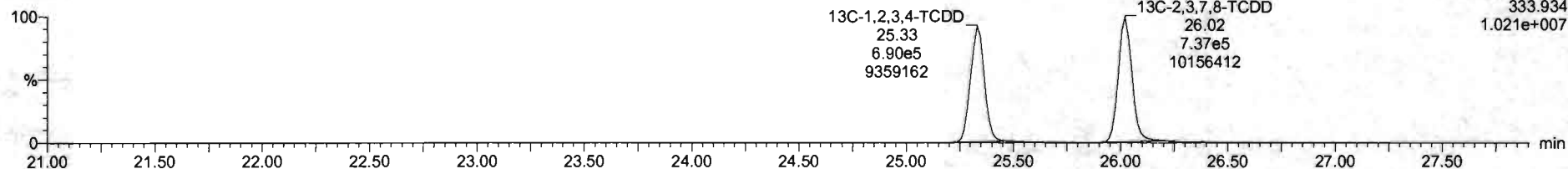
13C-2,3,7,8-TCDD

200519R1_2



F1:Voltage SIR,EI+
331.9368
7.997e+006

200519R1_2



F1:Voltage SIR,EI+
333.934
1.021e+007

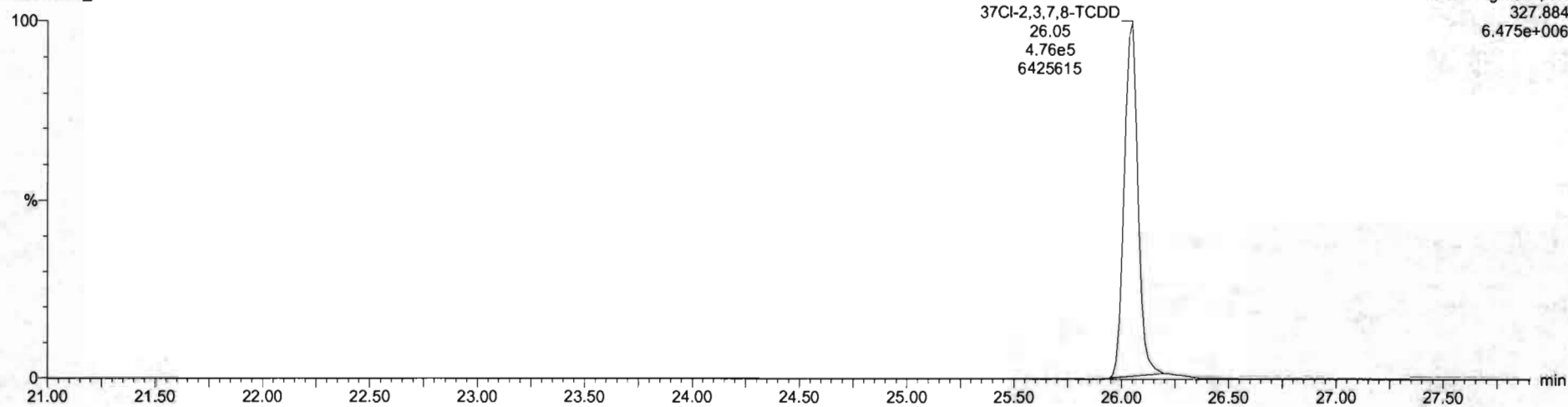
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Last Altered: Tuesday, May 19, 2020 13:25:18 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:43 Pacific Daylight Time

Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR

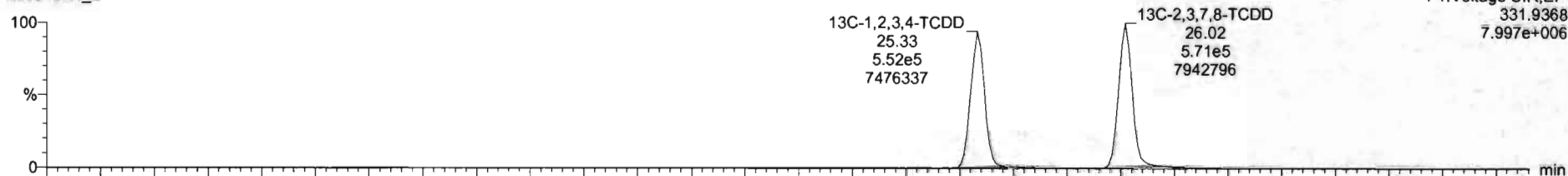
37Cl-2,3,7,8-TCDD

200519R1_2

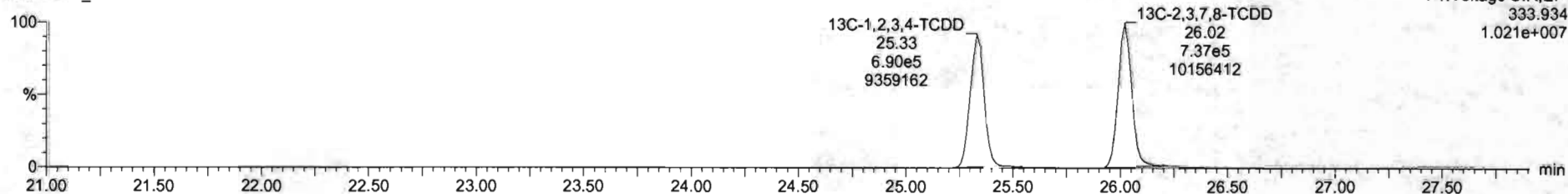


13C-1,2,3,4-TCDD

200519R1_2



200519R1_2



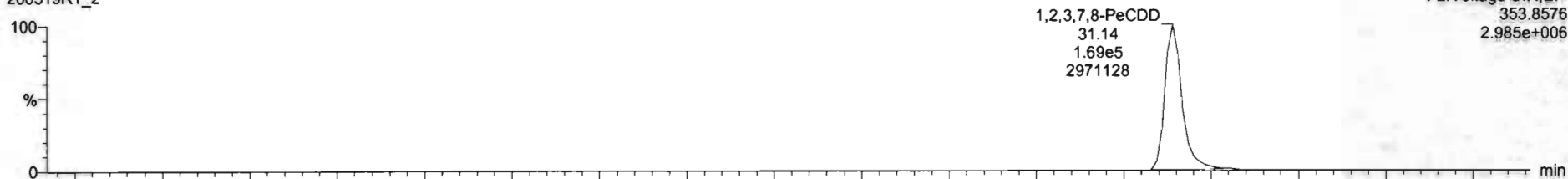
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Last Altered: Tuesday, May 19, 2020 13:25:18 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:43 Pacific Daylight Time

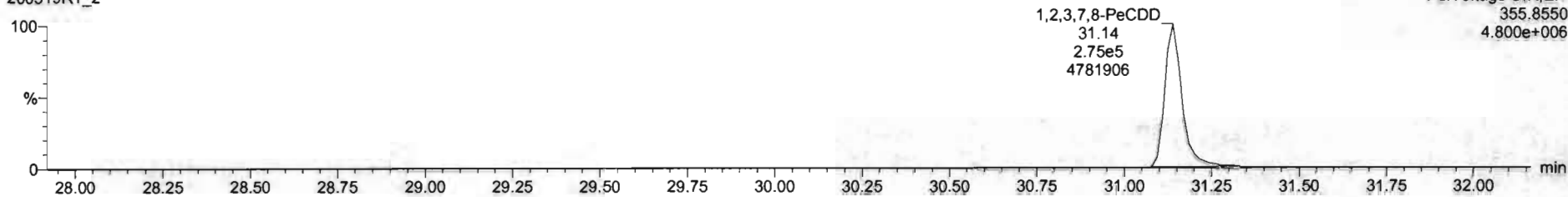
Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDD

200519R1_2

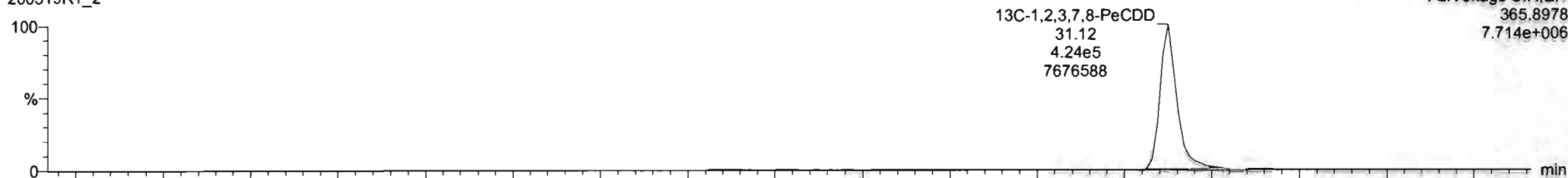


200519R1_2

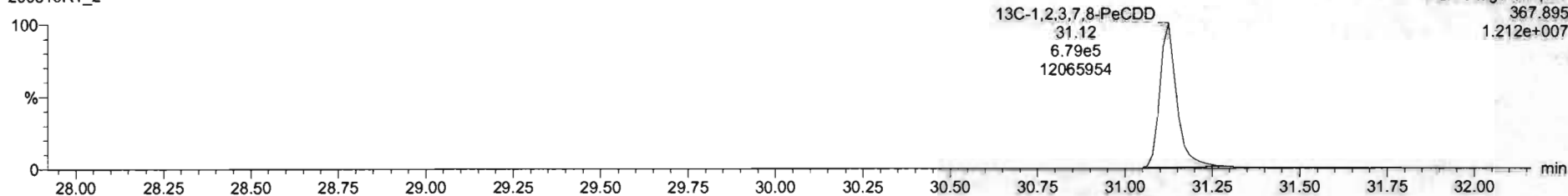


13C-1,2,3,7,8-PeCDD

200519R1_2



200519R1_2



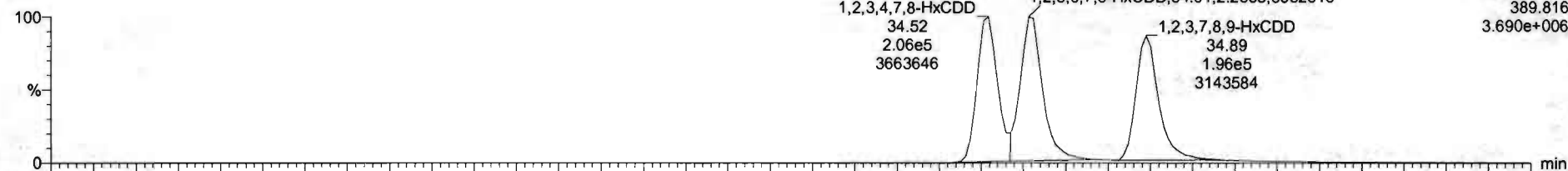
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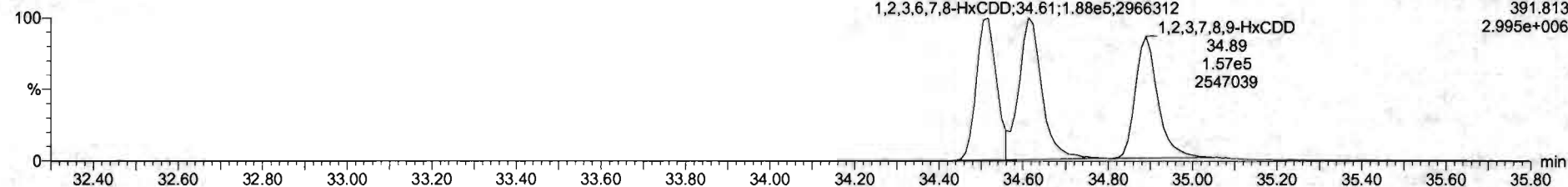
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1,2,3,4,7,8-HxCDD

200519R1_2

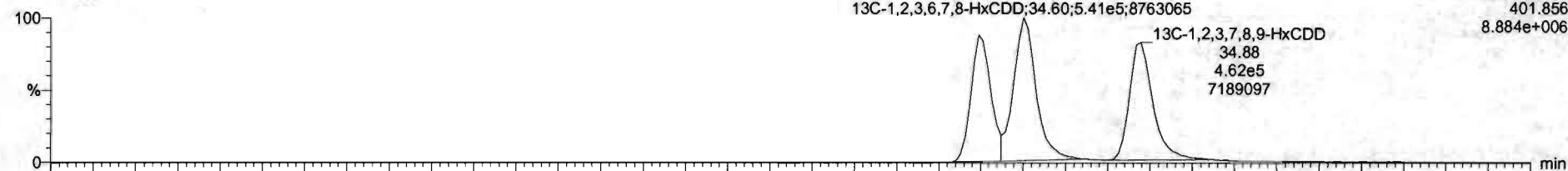


200519R1_2

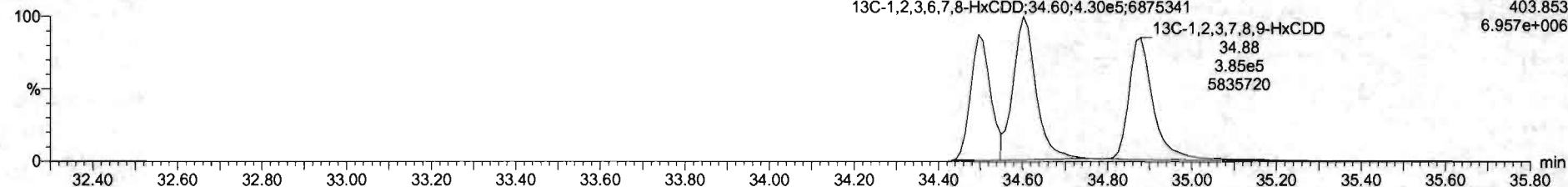


13C-1,2,3,4,7,8-HxCDD

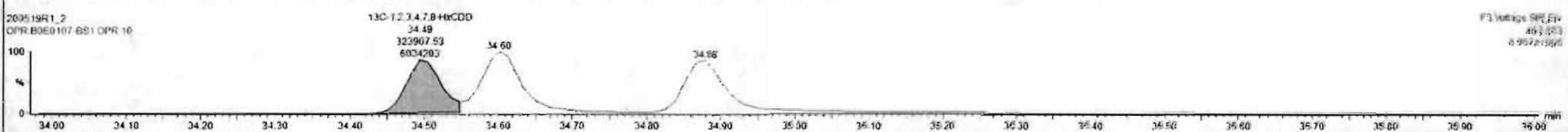
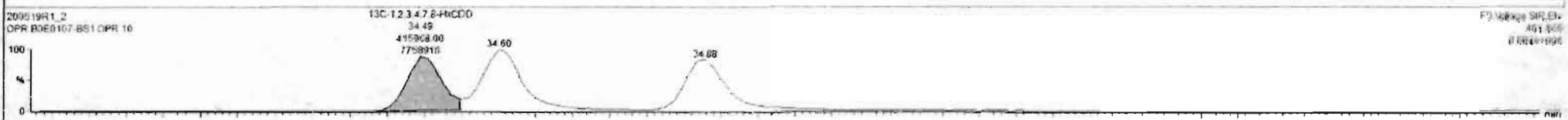
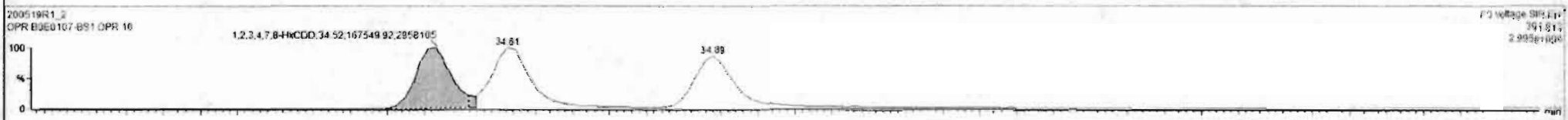
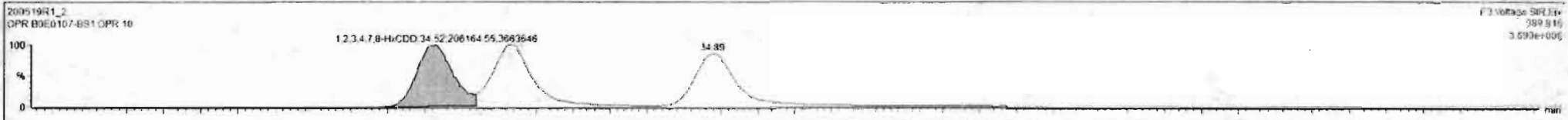
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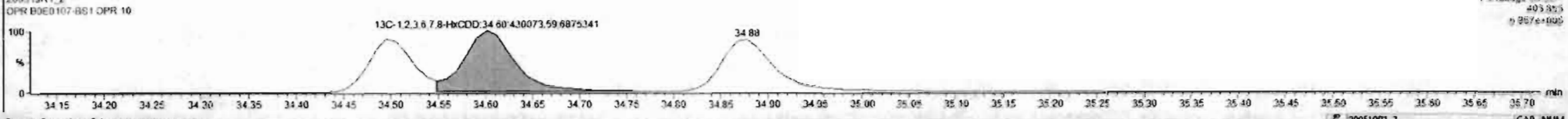
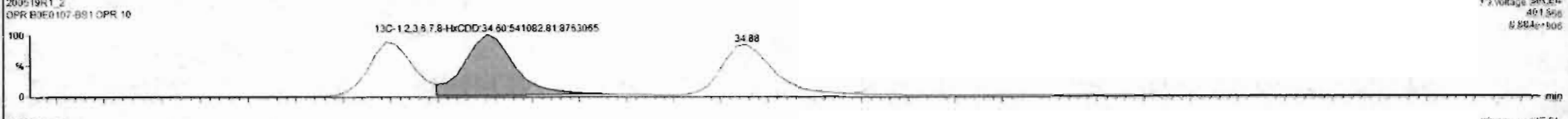
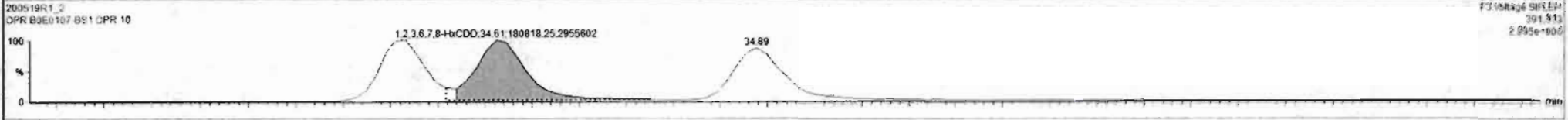
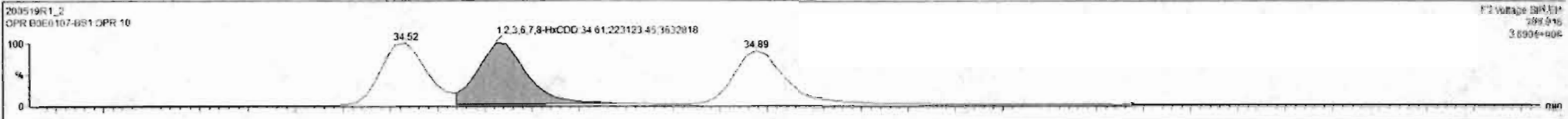
200519R1_2



Name	Reap	RA	nly	RRF	wt%ol	RT	RRT	Conc.	%Rec	DL	F MFC
1 2,3,7,8-TCDD	1.07e5	0.76	NO	0.9475	10.000	26.85	1.001	15.7	0.745	16.7	
2 1,2,3,7,8-PeCDD	4.44e5	6.82	NO	0.9425	10.000	31.14	1.000	85.5	0.112	85.5	
3 1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.0541	10.000	34.52	1.001	94.9	0.201	94.9	
4 1,2,3,6,7,8-HxCDD	4.84e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0	0.205	91.0	
5 1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.69	1.000	91.0	0.245	91.0	
6 1,2,3,4,6,7,8-HpCDD	2.66e5	1.05	NO	0.8979	10.000	36.39	1.000	94.7	0.297	94.7	
7 OCDD	4.77e5	0.88	NO	0.9325	10.000	41.36	1.000	189	0.231	189	
8 2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1	0.125	18.1	
9 1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.83	1.001	91.3	0.157	91.3	
10 2,3,4,7,8-PeCDF	6.62e5	1.54	NO	0.9654	10.000	30.83	1.001	91.1	0.144	91.4	
11 1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8722	10.000	33.55	1.001	102	0.254	102	
12 1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101	0.255	101	
13 2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	99.6	0.274	99.6	
14 1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8542	10.000	35.24	1.000	104	0.403	104	
15 1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.98	1.001	101	0.337	101	
16 1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0116	10.000	38.98	1.001	105	0.298	105	
17 OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192	0.381	152	



#	Name	Resp	RA	nry	RRF	wrvol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.03e5	0.76	NO	0.9475	10.000	26.05	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.82	NO	0.9425	10.000	31.14	1.000	85.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.68e5	1.28	NO	1.0541	10.000	24.52	1.001	92.4		0.201	92.4
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.239	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9149	10.000	34.85	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.66e5	1.05	NO	0.8979	10.000	36.39	1.000	94.7		0.257	94.7
7	OCDD	4.77e5	0.88	NO	0.9335	10.000	41.36	1.000	189		0.331	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	18.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.83	1.001	91.3		0.157	91.3
10	1,2,3,4,7,8-HxCDF	6.62e5	1.54	NO	0.9664	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,6,7,8-HpCDF	4.41e5	1.21	NO	0.8782	10.000	33.65	1.001	102		0.264	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101		0.255	101
13	1,2,3,4,6,7,8-HpCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	99.6		0.274	99.6
14	1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8642	10.000	35.24	1.000	104		0.403	104
15	1,2,2,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.98	1.001	101		0.337	101
16	1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0115	10.000	36.88	1.001	105		0.392	105
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



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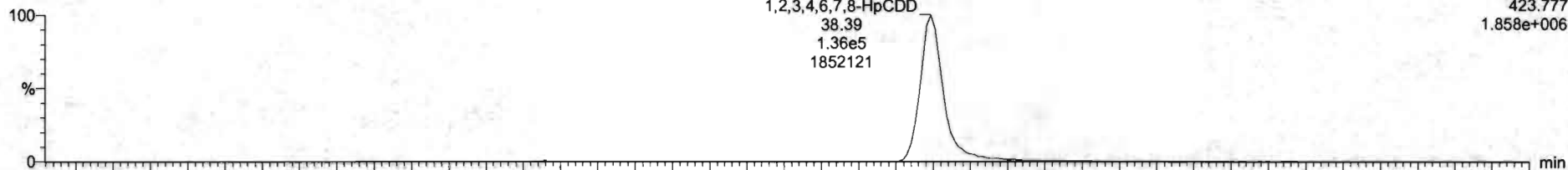
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Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR

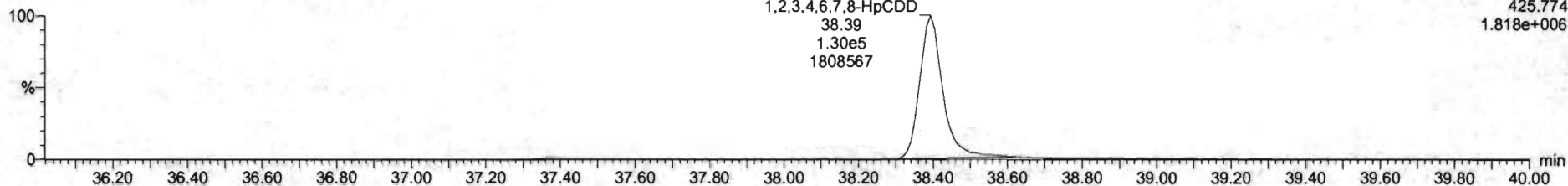
1,2,3,4,6,7,8-HpCDD

200519R1_2



F4:Voltage SIR,EI+
423.777
1.858e+006

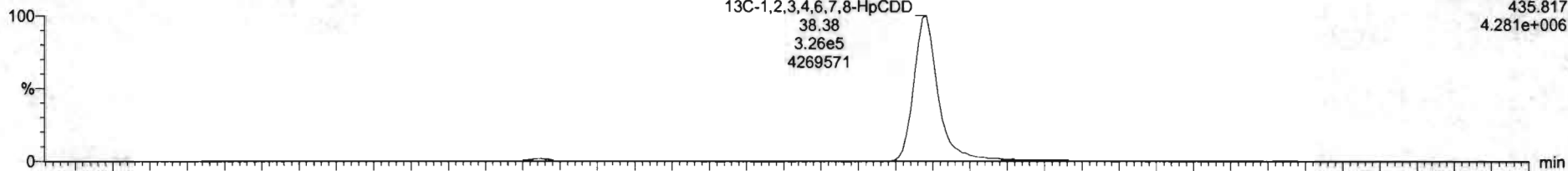
200519R1_2



F4:Voltage SIR,EI+
425.774
1.818e+006

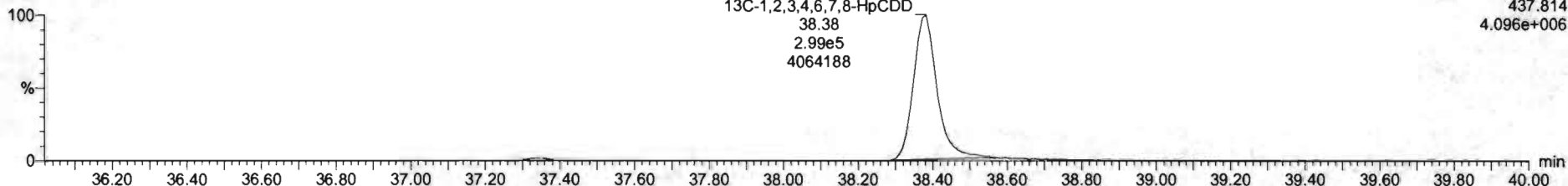
13C-1,2,3,4,6,7,8-HpCDD

200519R1_2



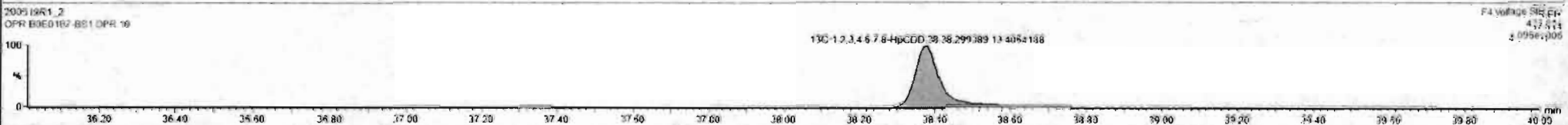
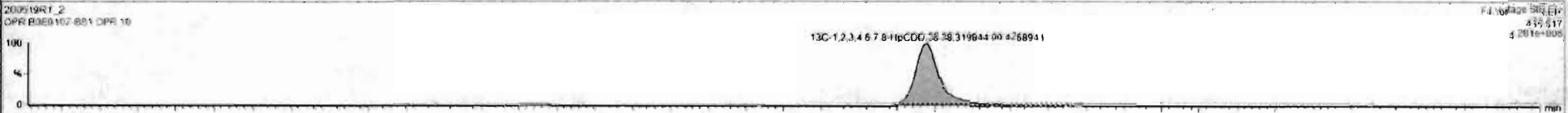
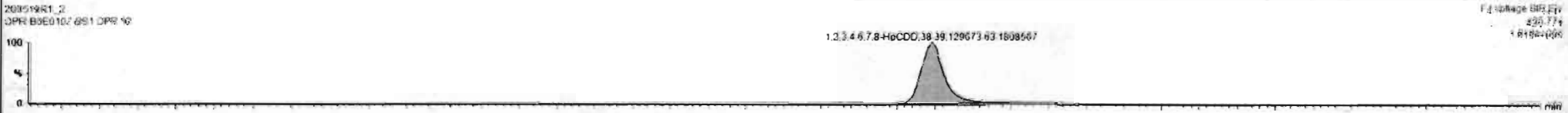
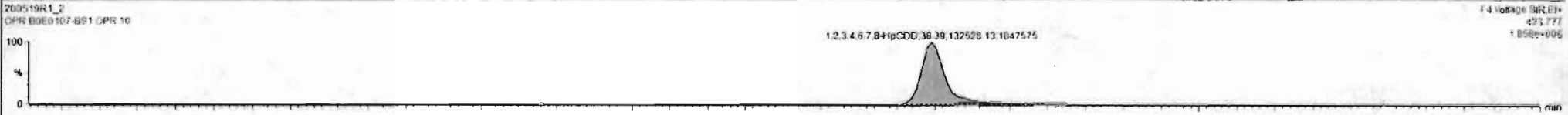
F4:Voltage SIR,EI+
435.817
4.281e+006

200519R1_2



F4:Voltage SIR,EI+
437.814
4.096e+006

#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	ENPC
1	2,3,7,8-TCDD	1.01e5	0.76	NO	0.9475	10.000	26.05	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.83	NO	0.9425	10.000	31.14	1.000	55.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.0641	10.000	34.52	1.001	94.9		0.201	94.9
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.205	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.95	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.62e5	1.02	NO	0.8979	10.000	36.39	1.000	94.3		0.294	94.3
7	OCDD	4.77e5	0.88	NO	0.9325	10.000	41.36	1.000	189		0.331	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	18.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.93	1.001	91.3		0.157	91.3
10	2,3,4,7,8-HpCDF	6.62e5	1.54	NO	0.9664	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8782	10.000	33.65	1.001	102		0.264	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101		0.255	101
13	2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	99.6		0.274	99.6
14	1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8542	10.000	35.24	1.000	104		0.403	104
15	1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.06	1.001	101		0.337	101
16	1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0116	10.000	38.08	1.001	105		0.390	105
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



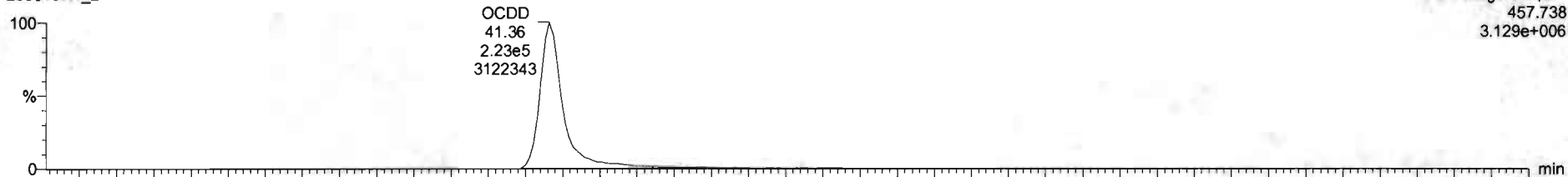
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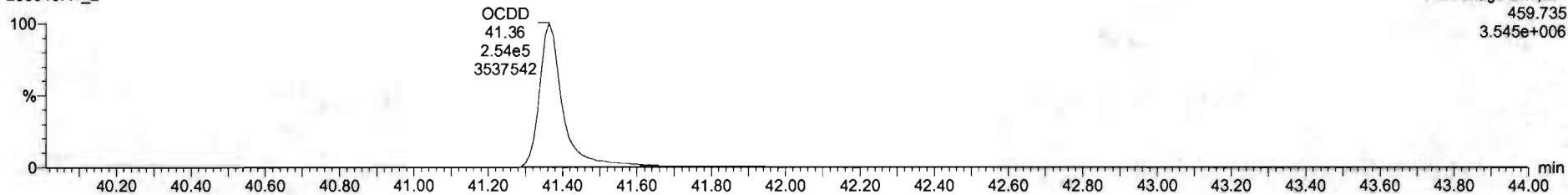
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OCDD

200519R1_2

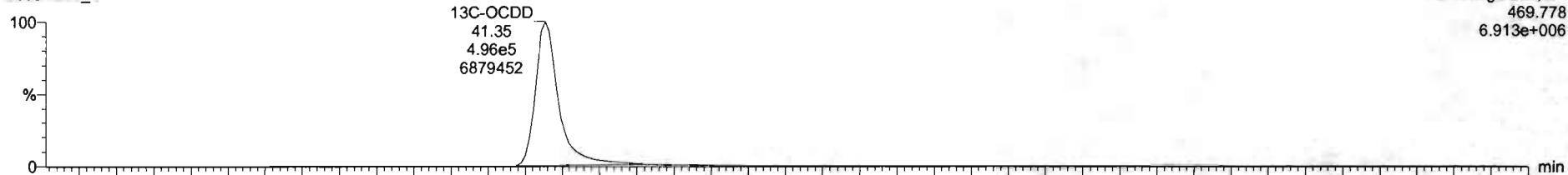


200519R1_2

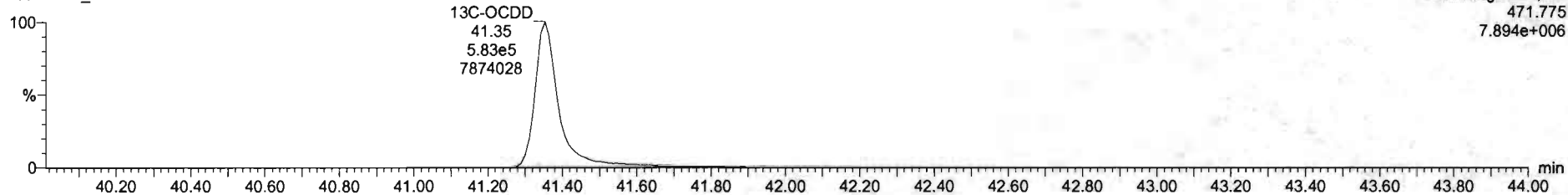


13C-OCDD

200519R1_2



200519R1_2



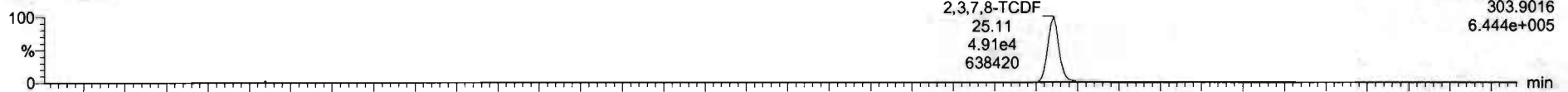
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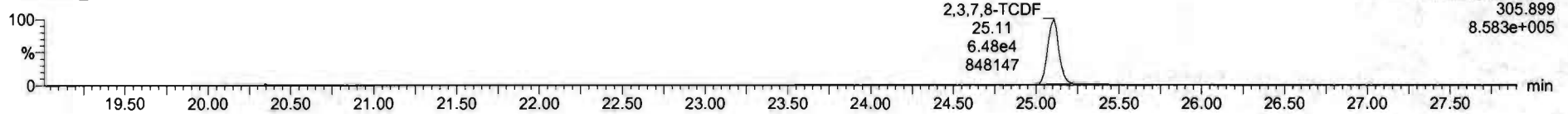
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2,3,7,8-TCDF

200519R1_2

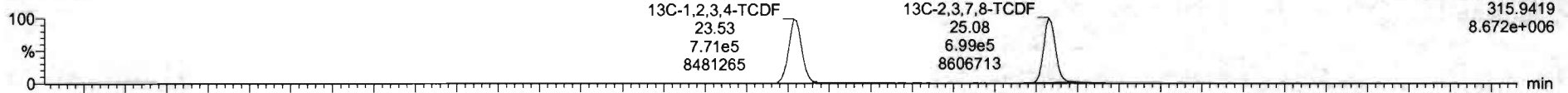


200519R1_2

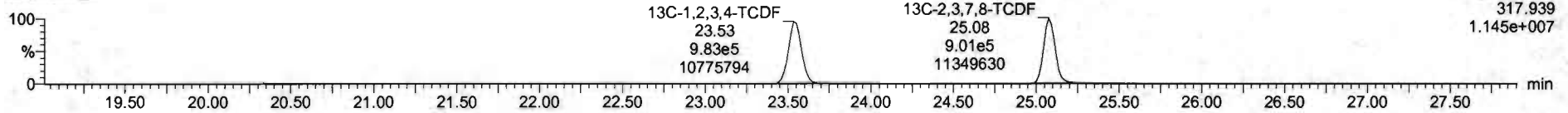


13C-2,3,7,8-TCDF

200519R1_2

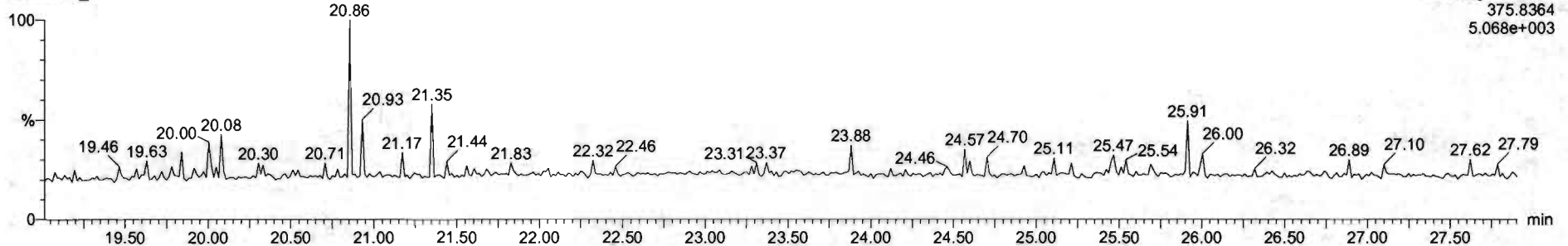


200519R1_2



DPE1

200519R1_2



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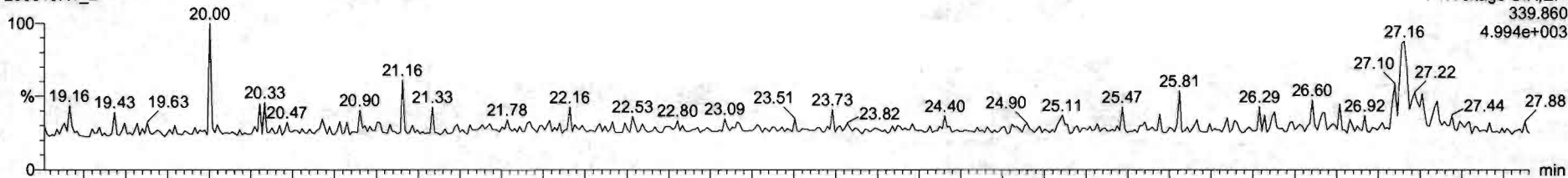
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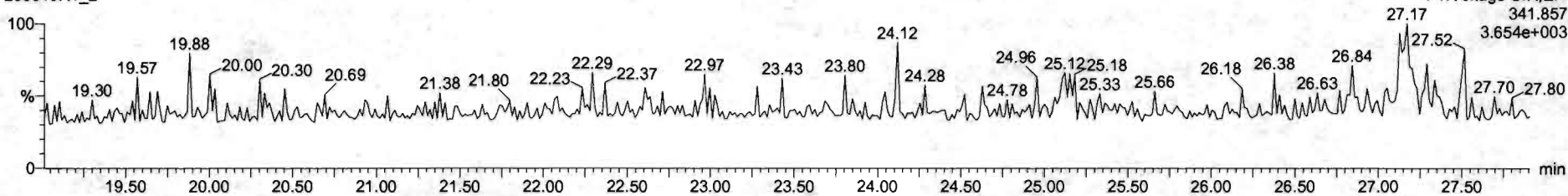
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1st Func. Penta-Furans

200519R1_2

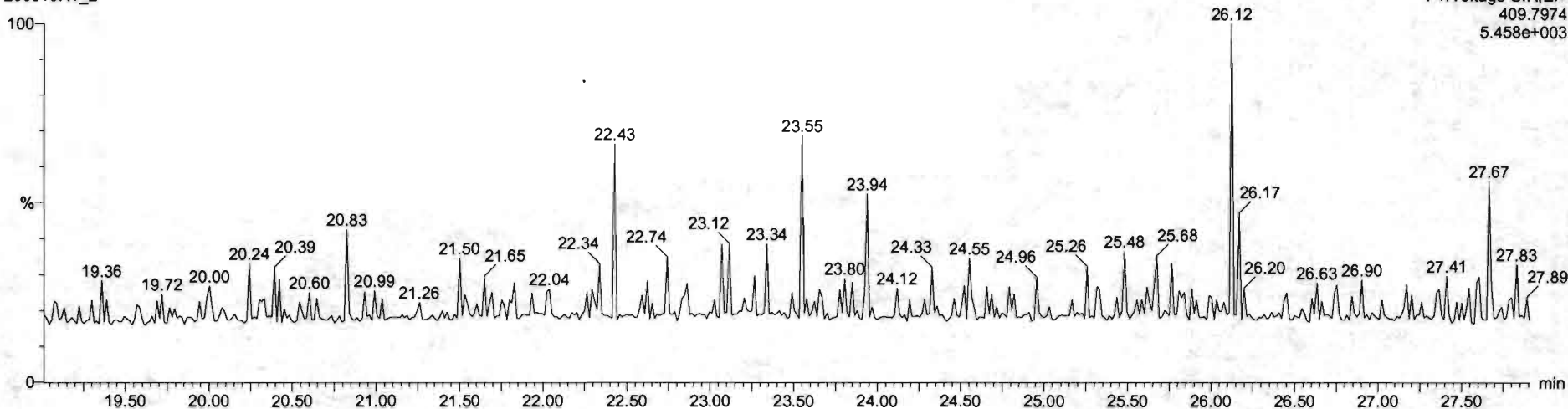


200519R1_2



DPE6

200519R1_2



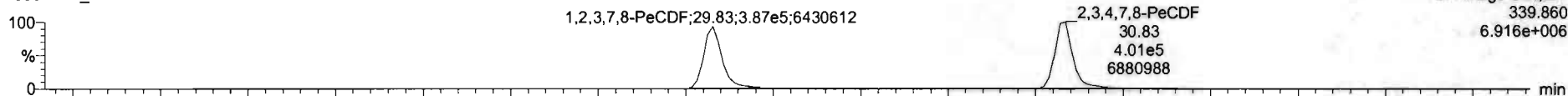
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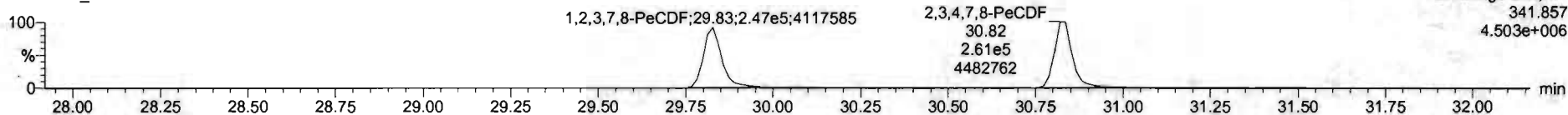
1,2,3,7,8-PeCDF

200519R1_2



F2:Voltage SIR,EI+
339.860
6.916e+006

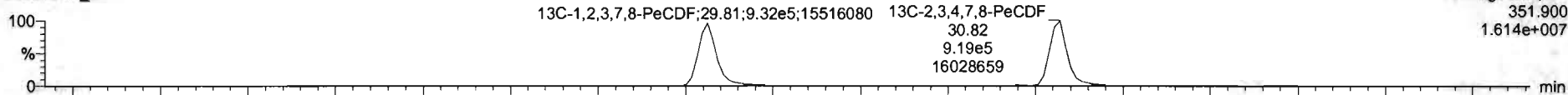
200519R1_2



F2:Voltage SIR,EI+
341.857
4.503e+006

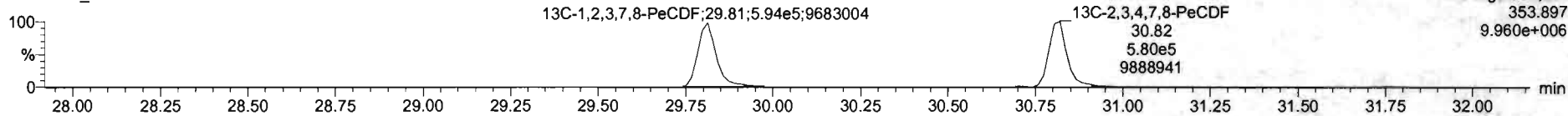
13C-1,2,3,7,8-PeCDF

200519R1_2



F2:Voltage SIR,EI+
351.900
1.614e+007

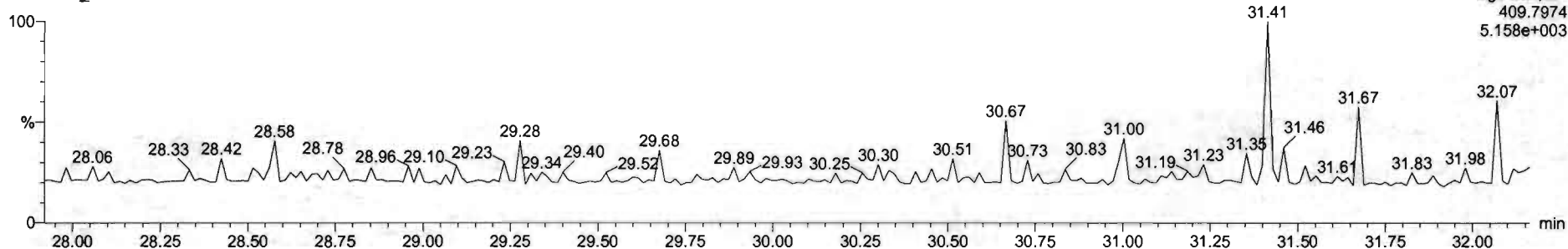
200519R1_2



F2:Voltage SIR,EI+
353.897
9.960e+006

DPE2

200519R1_2



F2:Voltage SIR,EI+
409.7974
5.158e+003

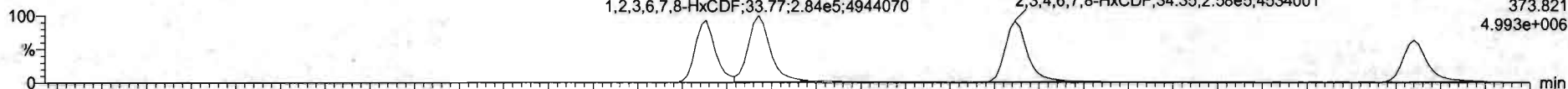
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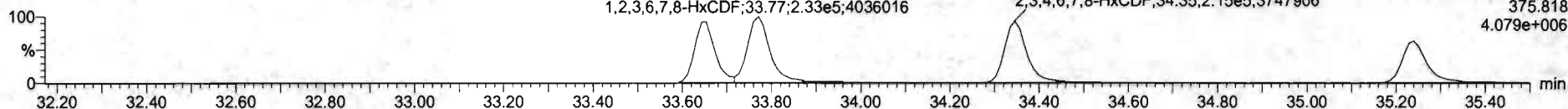
1,2,3,4,7,8-HxCDF

200519R1_2



F3:Voltage SIR,EI+
373.821
4.993e+006

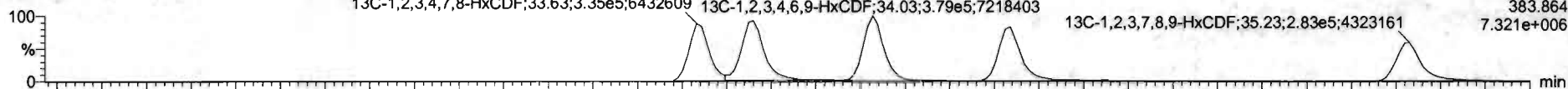
200519R1_2



F3:Voltage SIR,EI+
375.818
4.079e+006

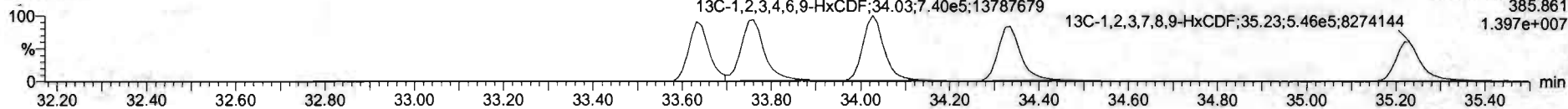
13C-1,2,3,4,7,8-HxCDF

200519R1_2



F3:Voltage SIR,EI+
383.864
7.321e+006

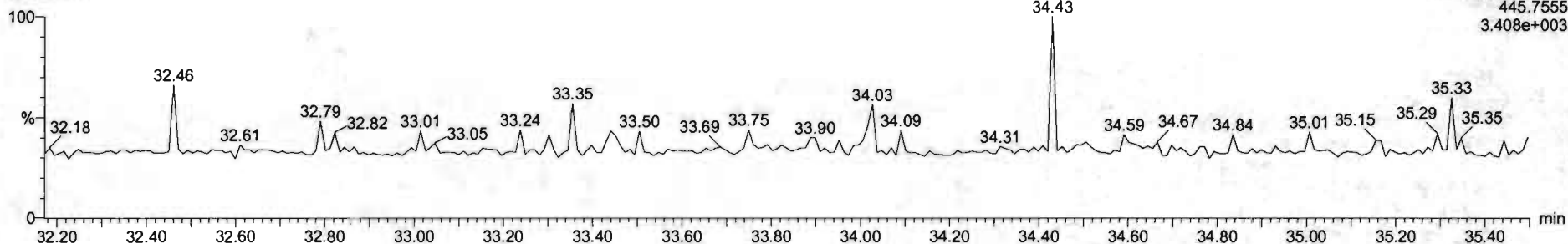
200519R1_2



F3:Voltage SIR,EI+
385.861
1.397e+007

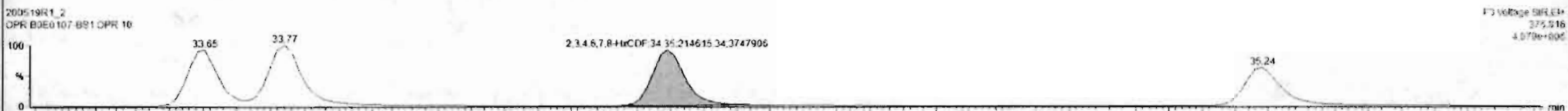
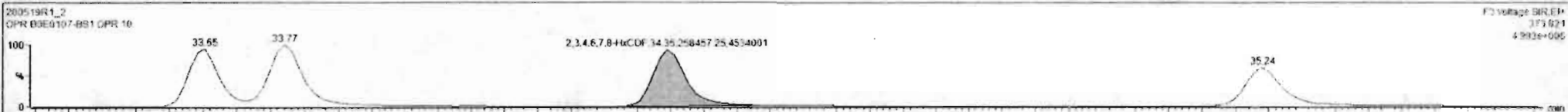
DPE3

200519R1_2

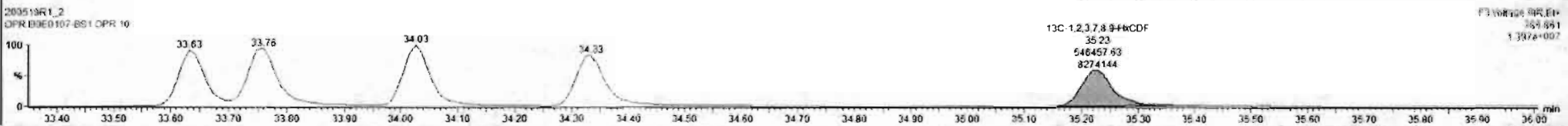
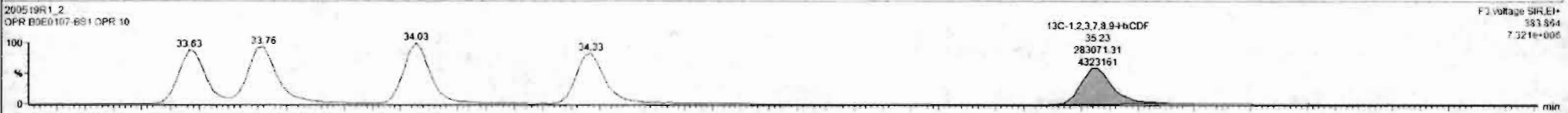
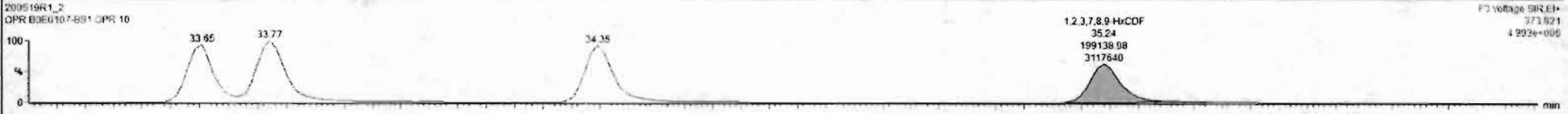


F3:Voltage SIR,EI+
445.7555
3.408e+003

#	Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.03e5	0.76	NO	0.9475	10.000	26.05	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.62	NO	0.9425	10.000	31.14	1.000	55.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.0641	10.000	34.52	1.001	94.9		0.201	94.9
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.205	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.89	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.62e5	1.02	NO	0.8978	10.000	36.39	1.000	94.3		0.254	94.3
7	OCDD	4.77e5	0.88	NO	0.9335	10.000	41.36	1.000	189		0.331	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	16.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9107	10.000	29.83	1.001	91.3		0.157	91.3
10	2,3,4,7,8-PeCDF	6.62e5	1.54	NO	0.9684	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8762	10.000	33.65	1.001	102		0.264	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101		0.255	101
13	2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	101		0.270	101
14	1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8542	10.000	35.24	1.000	104		0.403	104
15	1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.98	1.001	101		0.337	101
16	1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0116	10.000	38.98	1.001	105		0.398	105
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



#	Name	Resp	RA	ntf	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.03e5	0.76	NO	0.9475	10.000	26.05	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.82	NO	0.9425	10.000	31.14	1.000	85.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.0641	10.000	34.52	1.001	94.9		0.201	94.9
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.205	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.89	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.62e5	1.02	NO	0.8979	10.000	36.39	1.000	94.3		0.254	94.3
7	OCDD	4.77e5	0.88	NO	0.9325	10.000	41.36	1.000	189		0.331	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	18.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.83	1.001	91.3		0.157	91.3
10	2,3,4,7,8-PeCDF	6.62e5	1.54	NO	0.9664	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8782	10.000	33.65	1.001	102		0.264	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101		0.255	101
13	2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	101		0.270	101
14	1,2,3,7,8,9-HxCDF	3.66e5	1.19	NO	0.8842	10.000	35.24	1.000	102		0.403	102
15	1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.98	1.001	101		0.327	101
16	1,2,3,4,7,8,9-HpCDF	2.85e5	1.00	NO	1.0116	10.000	38.98	1.001	105		0.398	105
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



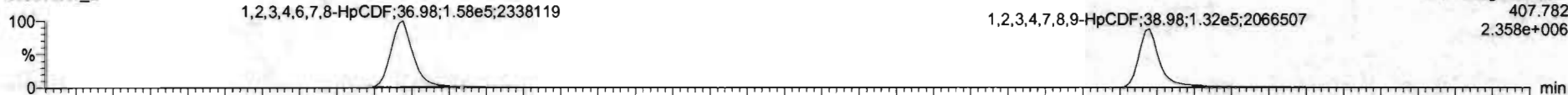
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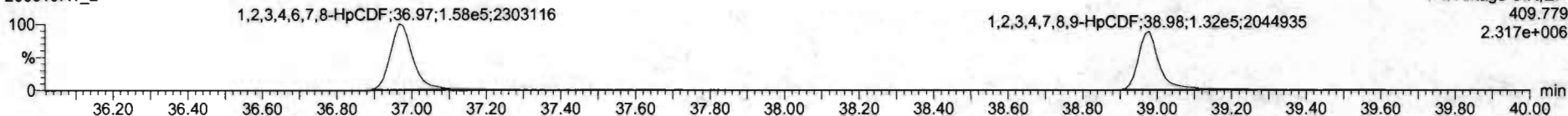
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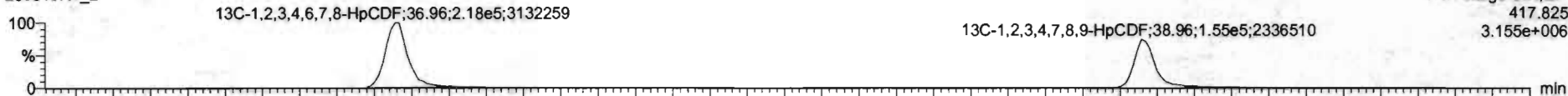


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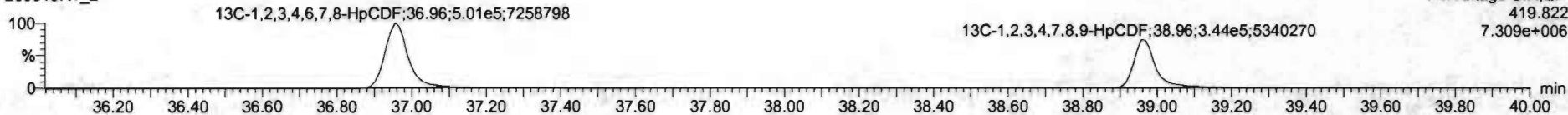


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200519R1_2

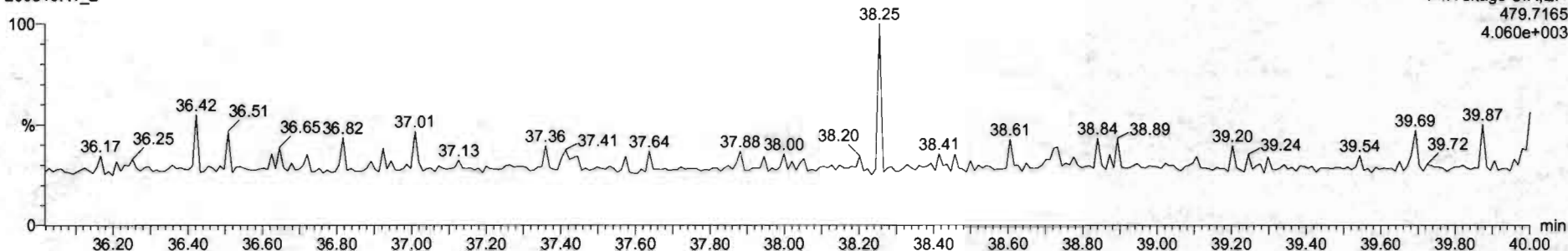


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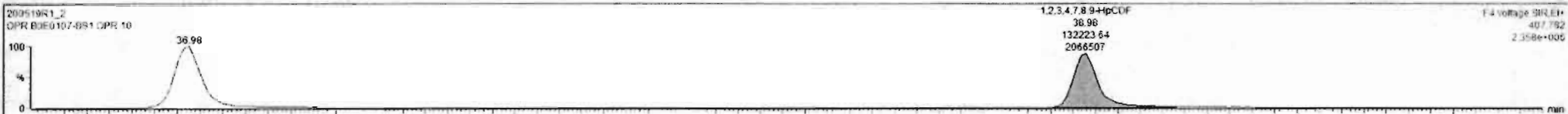


DPE4

200519R1_2



#	Name	Resp	RA	ny	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.03e5	0.76	NO	0.9475	10.000	26.85	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.82	NO	0.9425	10.000	31.14	1.000	85.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.74e5	1.22	NO	1.0641	10.000	34.52	1.001	94.9		0.201	94.9
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.205	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.89	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.62e5	1.02	NO	0.8979	10.000	36.39	1.000	94.3		0.254	94.3
7	OCDD	4.77e5	0.88	NO	0.9335	10.000	41.38	1.000	189		0.231	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	18.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.83	1.001	91.3		0.157	91.3
10	2,3,4,7,8-PeCDF	6.02e5	1.54	NO	0.9654	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8782	10.000	33.85	1.001	102		0.264	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	32.77	1.000	101		0.255	101
13	2,3,4,6,7,8-HxCDF	4.73e5	1.26	NO	0.9217	10.000	34.35	1.000	101		0.270	101
14	1,2,3,7,8,9-HxCDF	3.66e5	1.19	NO	0.8542	10.000	35.24	1.000	102		0.403	102
15	1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.38	1.001	101		0.337	101
16	1,2,3,4,7,8,9-HpCDF	2.50e5	1.03	NO	1.0116	10.000	36.98	1.001	103		0.350	103
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



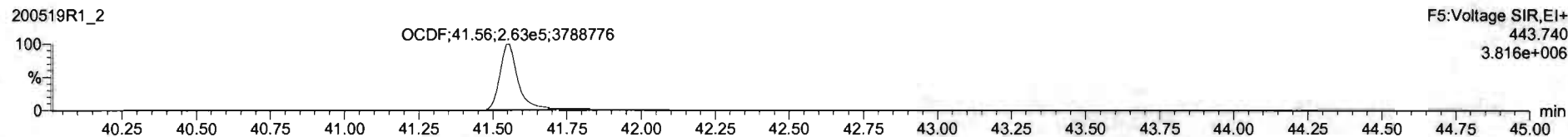
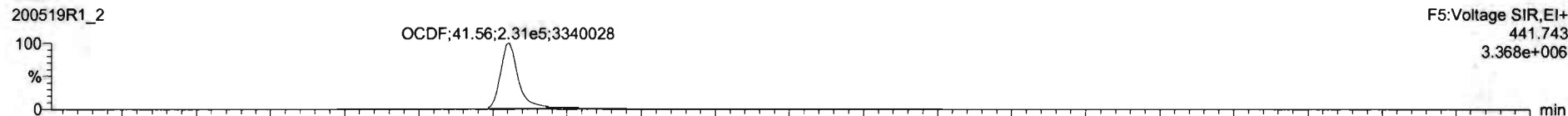
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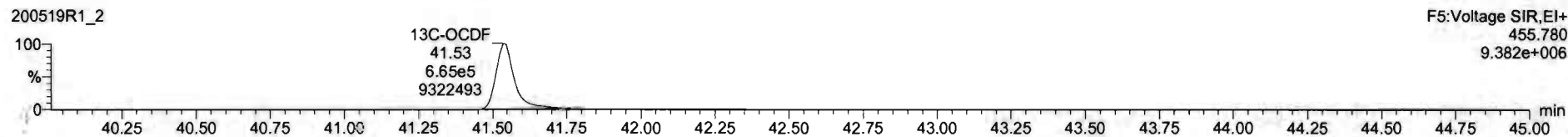
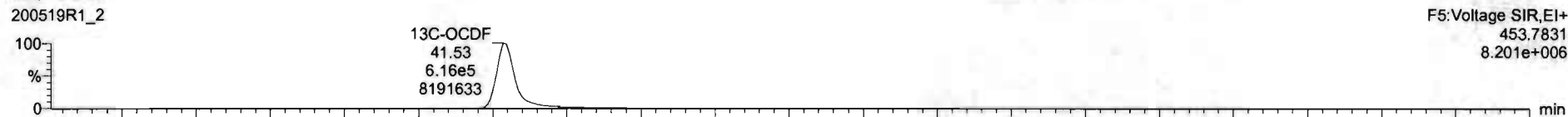
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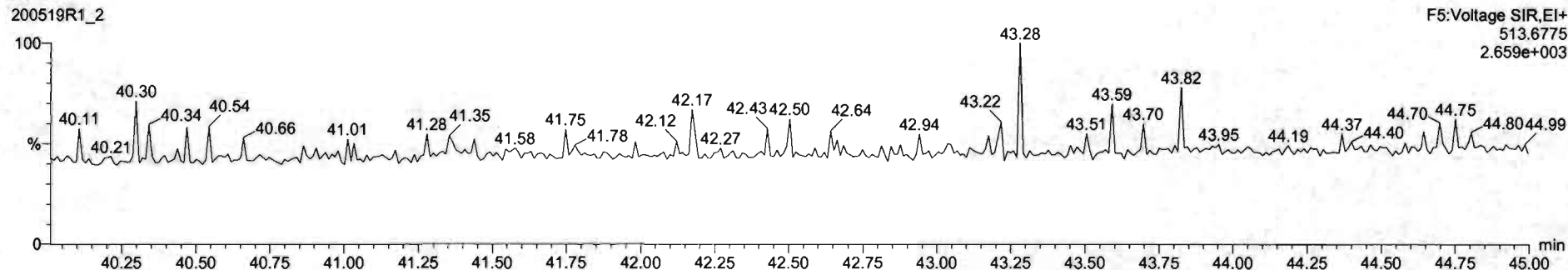
OCDF



13C-OCDF



DPE5

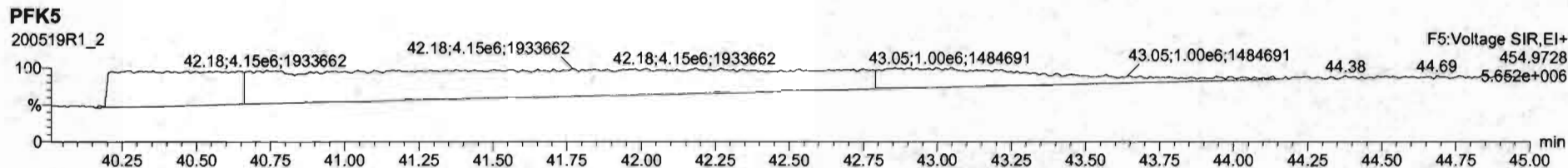
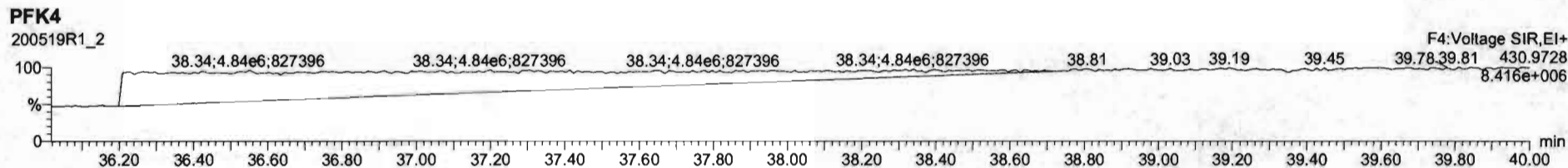
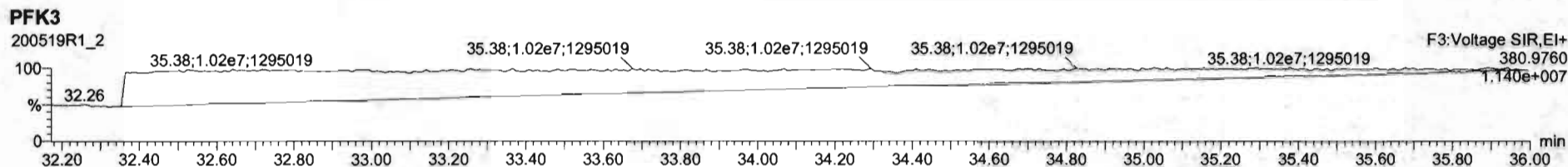
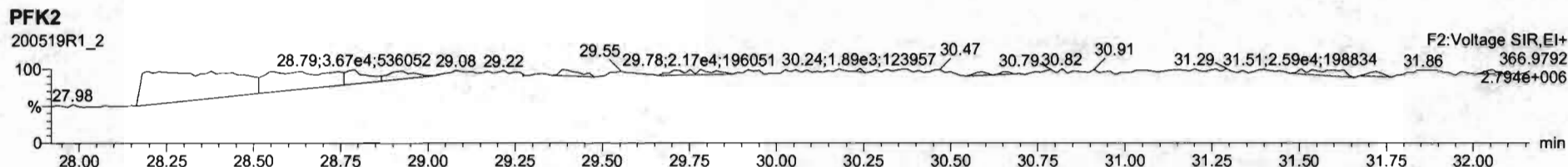
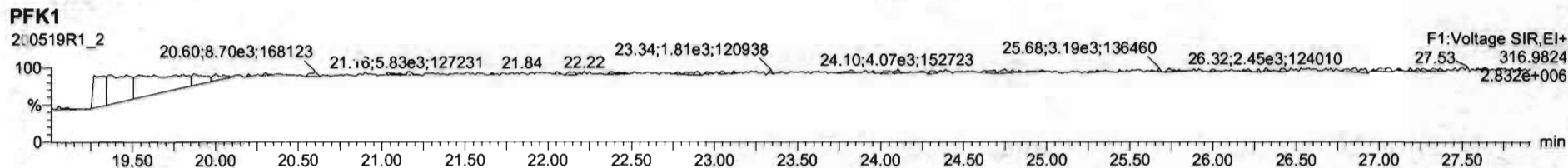


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Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-3.qld

Last Altered: Monday, June 08, 2020 10:15:52 Pacific Daylight Time
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dy 06-08-2020 CT 06/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.023	26.501		1.001				0.0716	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.023	31.457		1.001				0.120	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.023	34.814		1.000				0.123	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.023	34.910		1.000				0.121	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.023	35.199		1.000				0.157	
6	6 1,2,3,4,6,7,8-HpCDD	1.79e3	1.11	NO	0.864	10.023	38.735	38.73	1.000	1.000	1.6091		0.328	1.61
7	7 OCDD	1.66e4	0.85	NO	0.914	10.023	41.716	41.74	1.000	1.000	17.396		0.393	17.4
8	8 2,3,7,8-TCDF			NO	0.751	10.023	25.596		1.001				0.0451	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.023	30.175		1.001				0.0741	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.023	31.161		1.001				0.0660	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.023	33.931		1.000				0.0789	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.023	34.058		1.000				0.0729	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.023	34.669		1.001				0.0827	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.023	35.549		1.000				0.132	
15	15 1,2,3,4,6,7,8-HpCDF	4.95e2	1.07	NO	0.873	10.023	37.355	37.36	1.001	1.001	0.36053		0.110	0.361
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.023	39.277		1.000				0.126	
17	17 OCDF	3.82e2	1.29	YES	0.806	10.023	41.919	41.93	1.000	1.000	0.39670		0.180	0.327
18	18 13C-2,3,7,8-TCDD	7.81e5	0.77	NO	1.16	10.023	26.491	26.47	1.026	1.026	186.71	93.6	0.268	
19	19 13C-1,2,3,7,8-PeCDD	5.57e5	0.65	NO	0.849	10.023	31.674	31.43	1.227	1.218	181.44	90.9	0.452	
20	20 13C-1,2,3,4,7,8-HxCDD	3.38e5	1.28	NO	0.779	10.023	34.809	34.80	1.014	1.014	155.54	77.9	0.952	
21	21 13C-1,2,3,6,7,8-HxCDD	4.65e5	1.24	NO	1.02	10.023	34.922	34.91	1.017	1.017	164.09	82.2	0.729	
22	22 13C-1,2,3,7,8,9-HxCDD	3.83e5	1.25	NO	0.903	10.023	35.193	35.19	1.025	1.025	152.16	76.3	0.822	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.57e5	1.04	NO	0.689	10.023	38.715	38.72	1.128	1.128	133.59	66.9	0.618	
24	24 13C-OCDD	4.17e5	0.87	NO	0.652	10.023	41.736	41.72	1.216	1.215	229.13	57.4	0.611	
25	25 13C-2,3,7,8-TCDF	1.03e6	0.76	NO	1.06	10.023	25.534	25.57	0.989	0.991	182.30	91.4	0.422	
26	26 13C-1,2,3,7,8-PeCDF	8.46e5	1.58	NO	0.838	10.023	30.058	30.15	1.165	1.168	188.93	94.7	0.627	
27	27 13C-2,3,4,7,8-PeCDF	8.15e5	1.60	NO	0.817	10.023	31.011	31.13	1.202	1.206	186.67	93.5	0.643	
28	28 13C-1,2,3,4,7,8-HxCDF	4.53e5	0.50	NO	1.01	10.023	33.941	33.93	0.989	0.988	161.15	80.8	1.02	
29	29 13C-1,2,3,6,7,8-HxCDF	5.66e5	0.50	NO	1.17	10.023	34.064	34.05	0.992	0.992	173.91	87.2	0.877	
30	30 13C-2,3,4,6,7,8-HxCDF	4.81e5	0.54	NO	1.02	10.023	34.637	34.63	1.009	1.009	168.68	84.5	1.00	

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Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPG
31	13C-1,2,3,7,8,9-HxCDF	3.74e5	0.52	NO	0.860	10.023	35.537	35.55	1.035	1.036	155.87	78.1	1.19	
32	13C-1,2,3,4,6,7,8-HpCDF	3.14e5	0.43	NO	0.774	10.023	37.284	37.32	1.086	1.087	145.19	72.8	0.828	
33	13C-1,2,3,4,7,8,9-HpCDF	2.08e5	0.43	NO	0.521	10.023	39.312	39.28	1.145	1.144	143.02	71.7	1.23	
34	13C-OCDF	4.76e5	0.85	NO	0.746	10.023	41.907	41.92	1.221	1.221	228.96	57.4	0.549	
35	37Cl-2,3,7,8-TCDD	3.15e5			1.04	10.023	26.522	26.48	1.028	1.026	83.929	105	0.0656	
36	13C-1,2,3,4-TCDD	7.22e5	0.80	NO	1.00	10.023	25.890	25.81	1.000	1.000	199.54	100	0.310	
37	13C-1,2,3,4-TCDF	1.07e6	0.78	NO	1.00	10.023	24.360	24.12	1.000	1.000	199.54	100	0.447	
38	13C-1,2,3,4,6,9-HxCDF	5.57e5	0.49	NO	1.00	10.023	34.420	34.33	1.000	1.000	199.54	100	1.02	
39	Total Tetra-Dioxins				0.888	10.023	24.620		0.000				0.0467	
40	Total Penta-Dioxins				0.908	10.023	29.960		0.000				0.0415	
41	Total Hexa-Dioxins				0.892	10.023	33.635		0.000		0.41034		0.138	1.03
42	Total Hepta-Dioxins				0.864	10.023	37.640		0.000		4.4357		0.328	4.44
43	Total Tetra-Furans				0.751	10.023	23.610		0.000				0.0173	
44	1st Func. Penta-Furans				0.893	10.023	27.580		0.000		0.15047		0.00992	0.150
45	Total Penta-Furans				0.893	10.023	29.275		0.000				0.0257	
46	Total Hexa-Furans				0.934	10.023	33.555		0.000		0.00000		0.0498	0.231
47	Total Hepta-Furans				0.873	10.023	37.835		0.000		0.82680		0.125	0.827

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-3.qld

Last Altered: Monday, June 08, 2020 10:15:52 Pacific Daylight Time

Printed: Monday, June 08, 2020 17:09:27 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.32	1.445e4	9.363e3	7.534e2	4.931e2	1.53	YES	0.000e0	0.00000	0.62500	0.138
2	Total Hexa-Dioxins	34.12	8.566e3	5.047e3	3.901e2	3.356e2	1.16	NO	7.257e2	0.41034	0.41000	0.138

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	2.115e4	1.749e4	1.580e3	1.563e3	1.01	NO	3.143e3	2.8265	2.8270	0.328
2	1,2,3,4,6,7,8-HpCDD	38.73	1.280e4	1.272e4	9.392e2	8.500e2	1.11	NO	1.789e3	1.6091	1.6090	0.328

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	1st Func. Penta-Furans	27.56	4.961e3	3.081e3	3.486e2	2.103e2	1.66	NO	5.588e2	0.15047	0.15000	0.00992

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-3.qld

Last Altered: Monday, June 08, 2020 10:15:52 Pacific Daylight Time

Printed: Monday, June 08, 2020 17:09:27 Pacific Daylight Time

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.93	2.528e3	3.099e3	1.167e2	1.118e2	1.04	YES	0.000e0	0.00000	0.096000	0.0498
2	Total Hexa-Furans	33.49	2.803e3	3.869e3	1.638e2	1.594e2	1.03	YES	0.000e0	0.00000	0.13500	0.0498

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	37.36	2.734e3	3.148e3	2.564e2	2.386e2	1.07	NO	4.950e2	0.36053	0.36100	0.110
2	Total Hepta-Furans	37.95	3.360e3	3.402e3	2.774e2	2.548e2	1.09	NO	5.322e2	0.46627	0.46600	0.125

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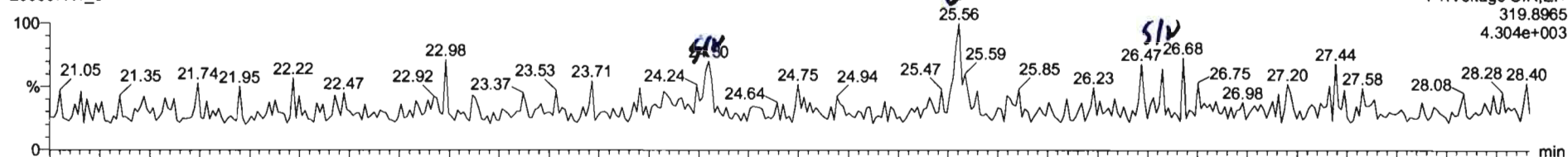
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

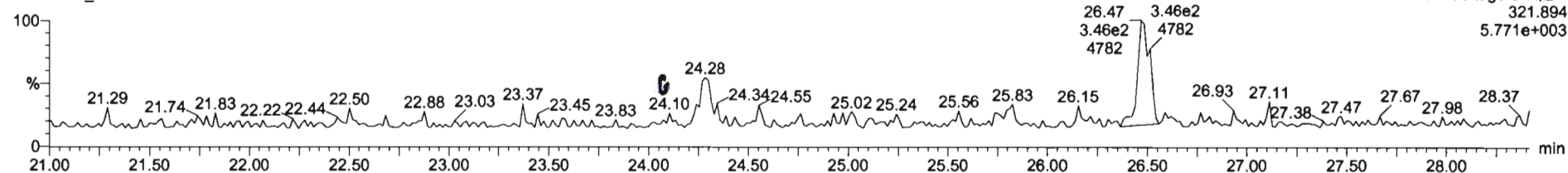
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2,3,7,8-TCDD

200607R1_3

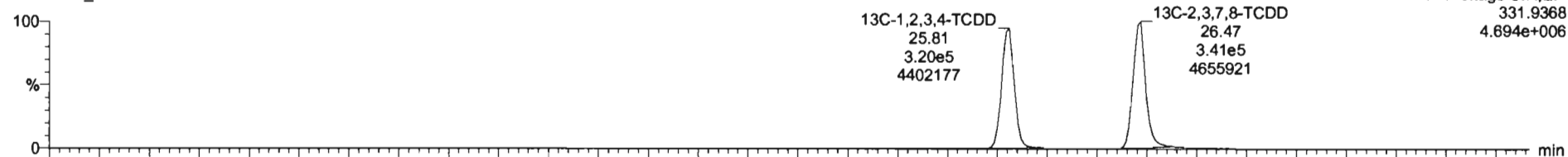


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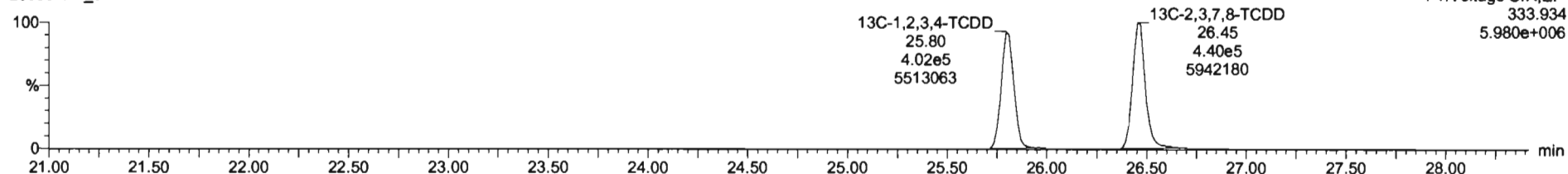


13C-2,3,7,8-TCDD

200607R1_3

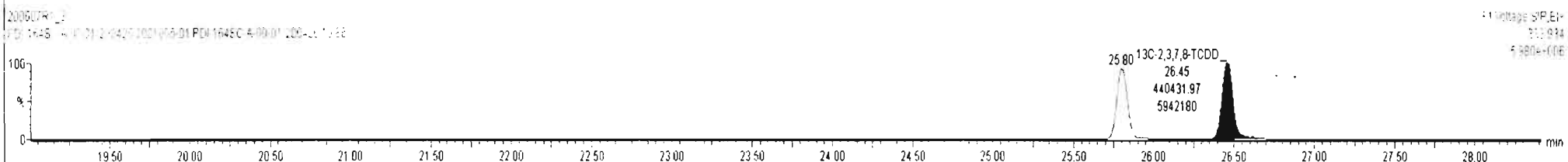
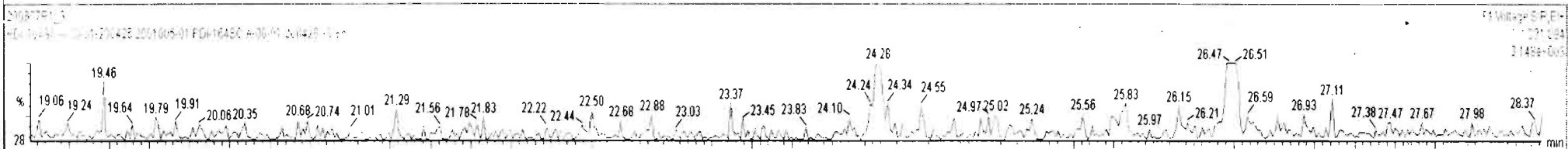
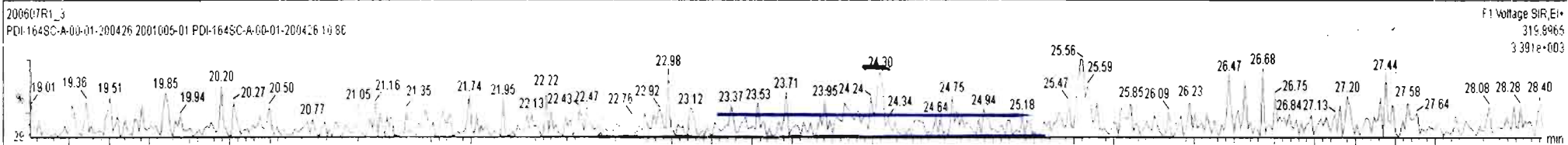


200607R1_3



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.023					0.0467	
40 Total Penta-Dioxins				0.9081	10.023					0.0415	
41 Total Hexa-Dioxins				0.8923	10.023			0.410		0.138	1.03
42 Total Hepta-Dioxins				0.8639	10.023			4.44		0.328	4.44
43 Total Tetra-Furans				0.7510	10.023					0.0173	

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



Dataset: Untitled

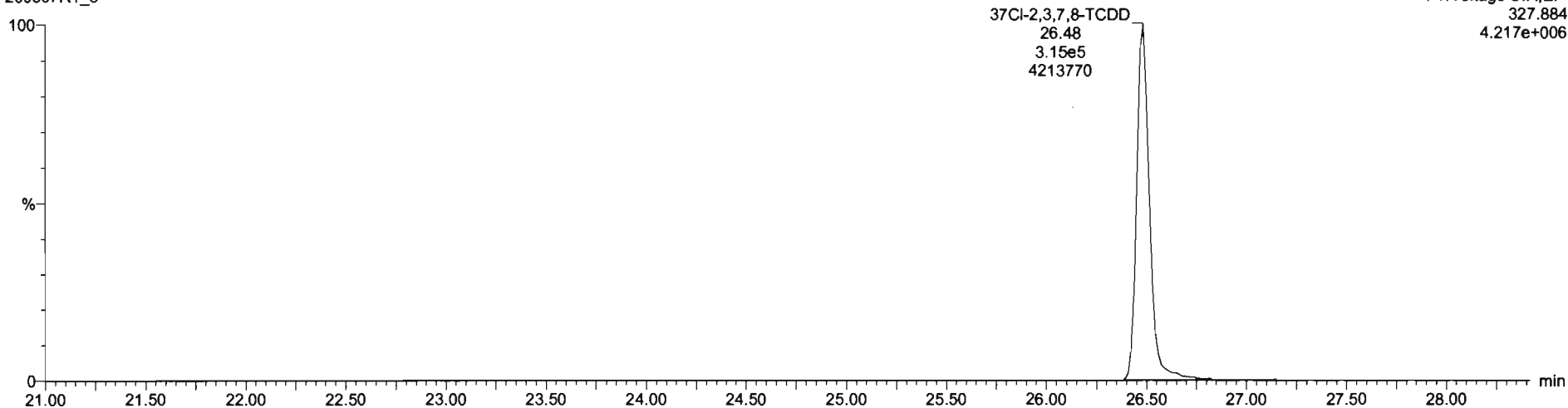
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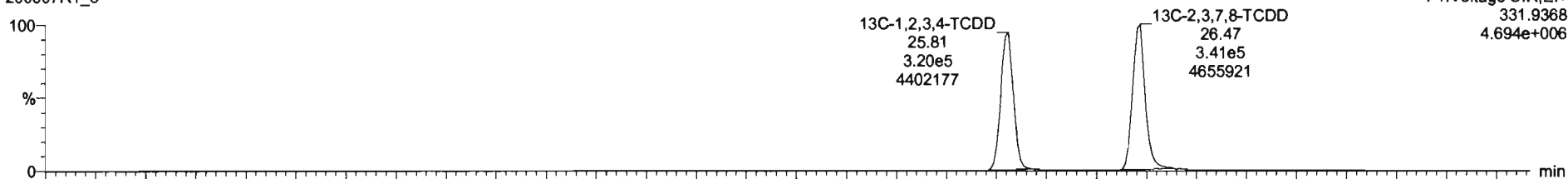
37Cl-2,3,7,8-TCDD

200607R1_3

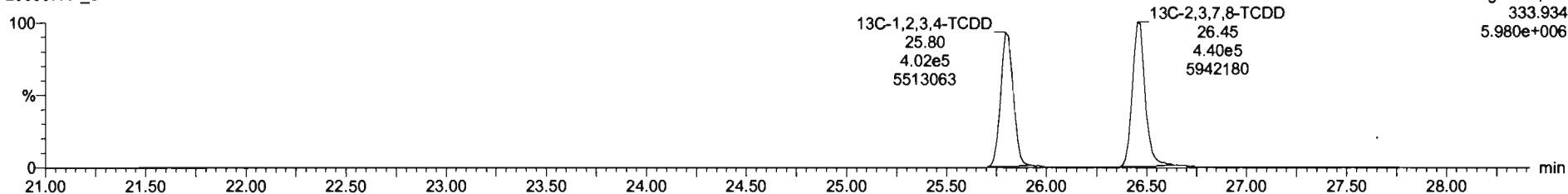


13C-1,2,3,4-TCDD

200607R1_3



200607R1_3



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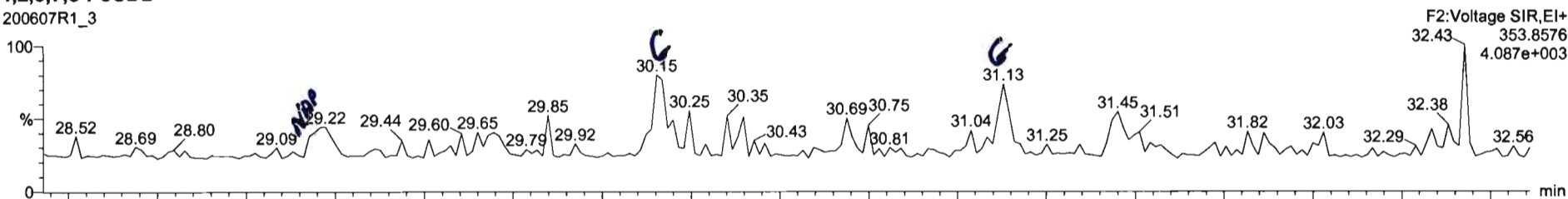
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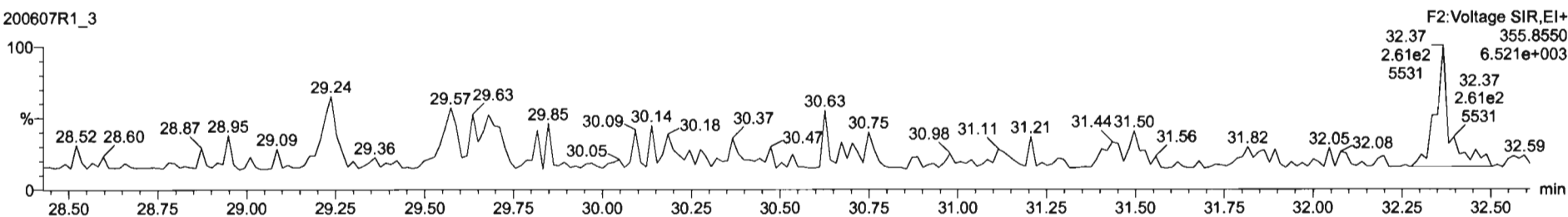
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1,2,3,7,8-PeCDD

200607R1_3

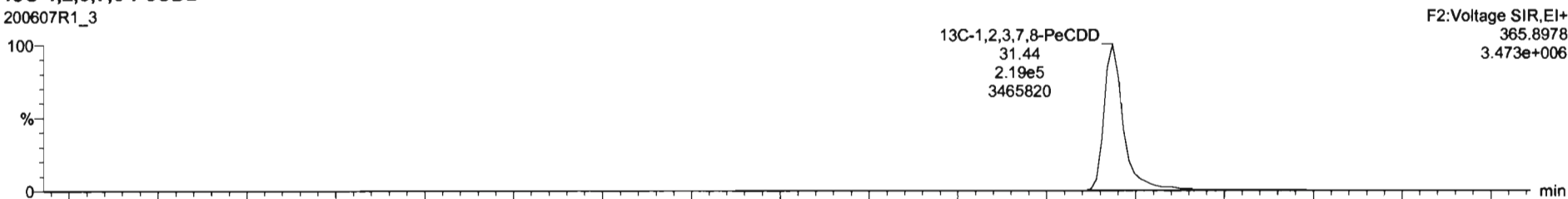


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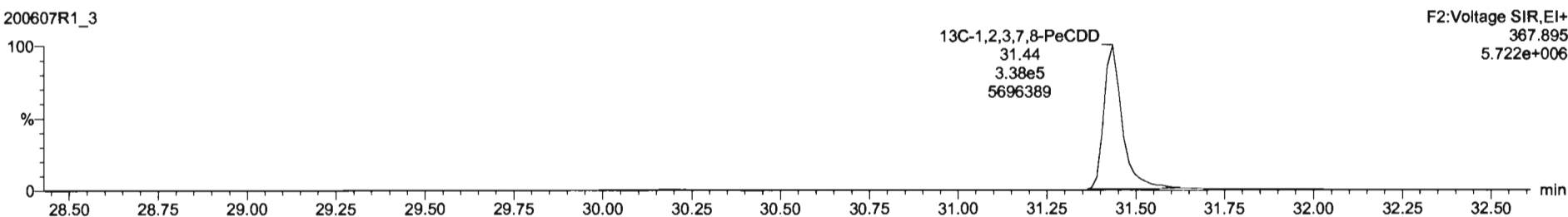


13C-1,2,3,7,8-PeCDD

200607R1_3

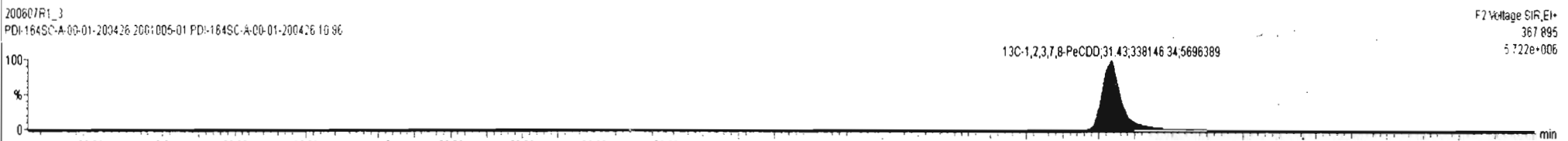
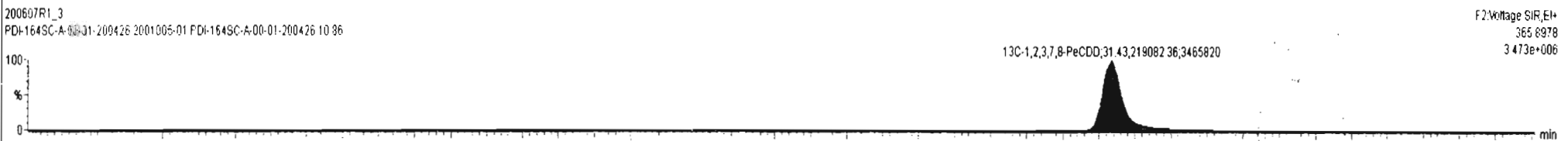
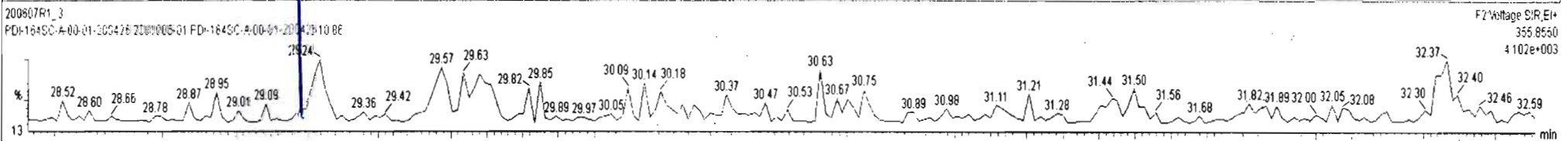
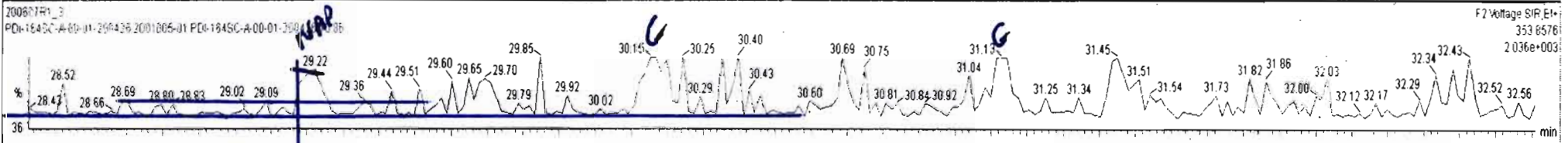


200607R1_3



Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.023					0.0467	
40 Total Penta-Dioxins				0.9081	10.023					0.0415	
41 Total Hexa-Dioxins				0.8923	10.023			0.000	0.0747	0.892	
42 Total Hepta-Dioxins				0.8678	10.023			4.031	0.327	4.031	

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



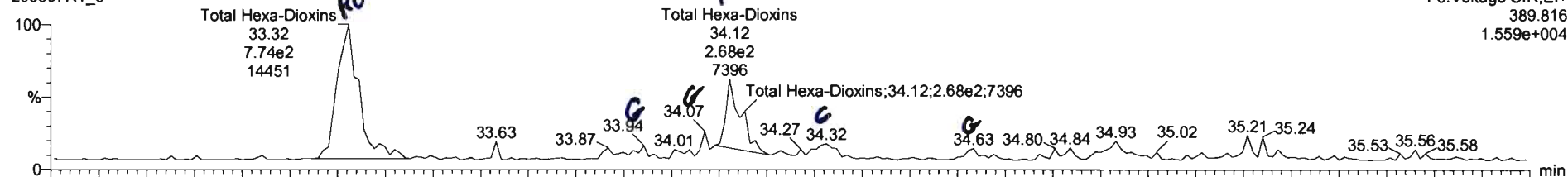
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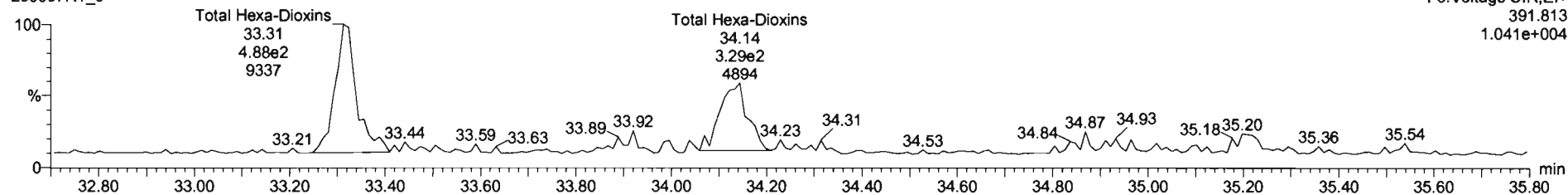
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1,2,3,4,7,8-HxCDD

200607R1_3

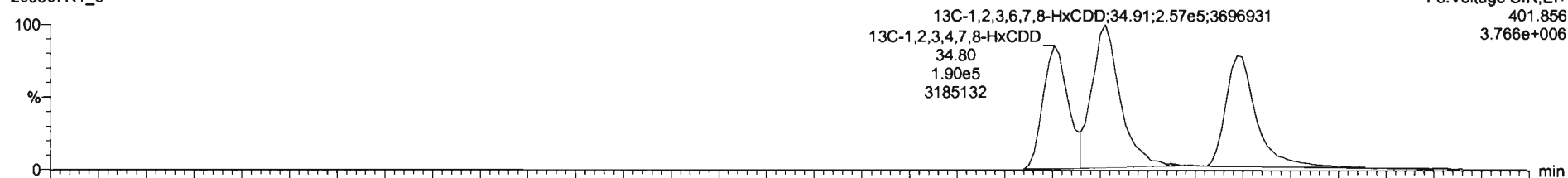


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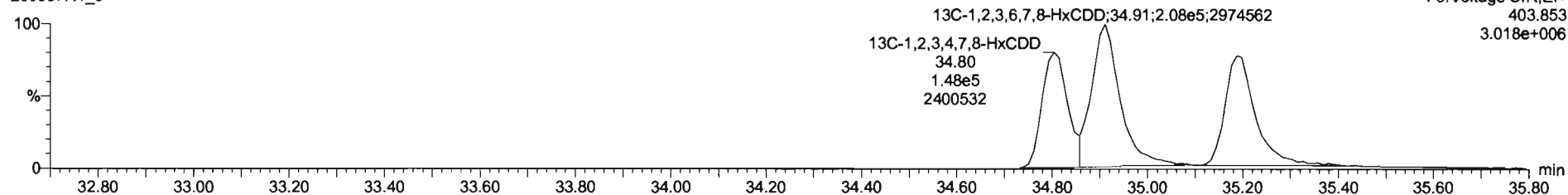


13C-1,2,3,4,7,8-HxCDD

200607R1_3



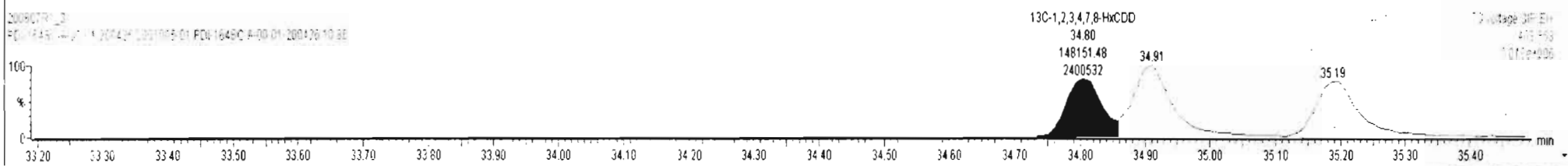
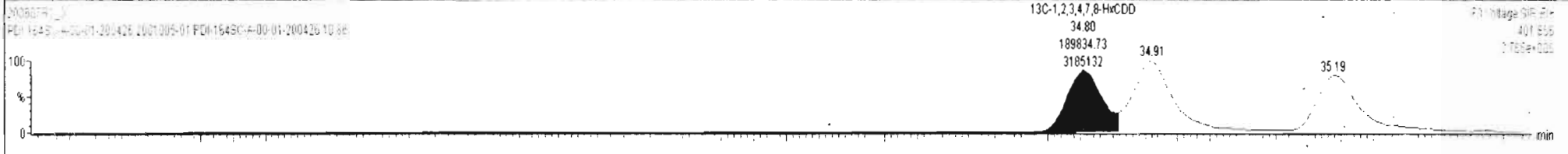
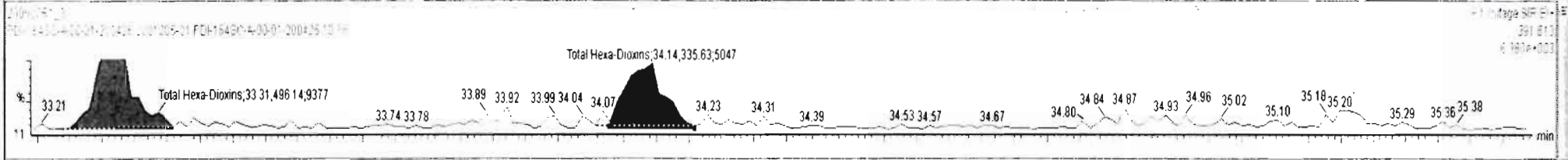
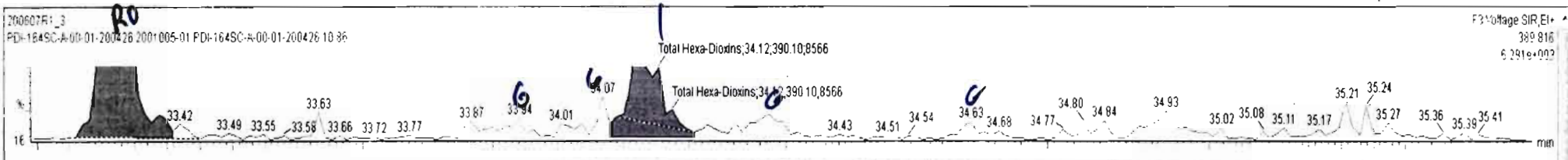
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200607R1_3 - 2001005-01 PDI-1645C-A-00-01-200426 10 86 - PDI-1645C-A-00-01-200426

Name	Resp	RA	nLy	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins			0.8883	10.023					0.0467	
40	Total Penta-Dioxins			0.9081	10.023					0.0415	
41	Total Hexa-Dioxins			0.8923	10.023			0.410		0.136	1.04
42	Total Hepta-Dioxins			0.8639	10.023			4.031		0.377	4.031

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.	
1	Total Hexa-Dioxins	33.32	7.523e2	4.961e2	1.52	YES	0.62639	0.00000
2	Total Hexa-Dioxins	34.12	3.901e2	3.356e2	1.16	NO	0.41034	0.41034



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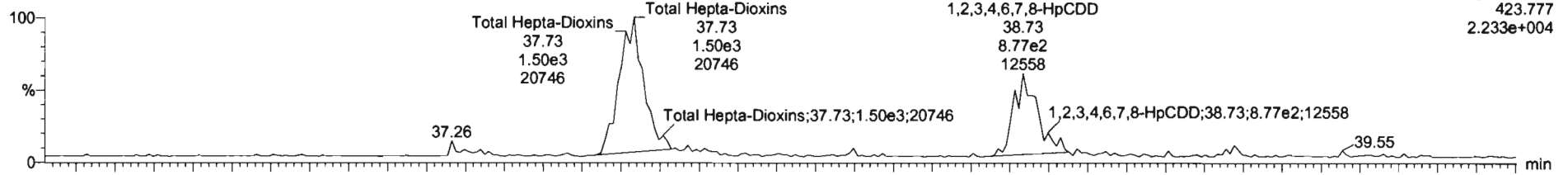
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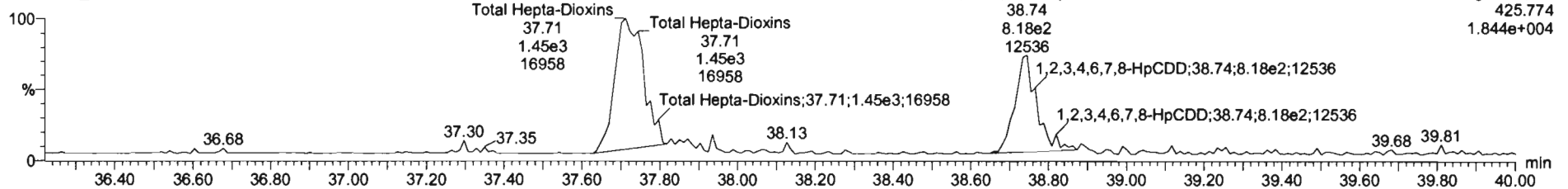
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1,2,3,4,6,7,8-HpCDD

200607R1_3

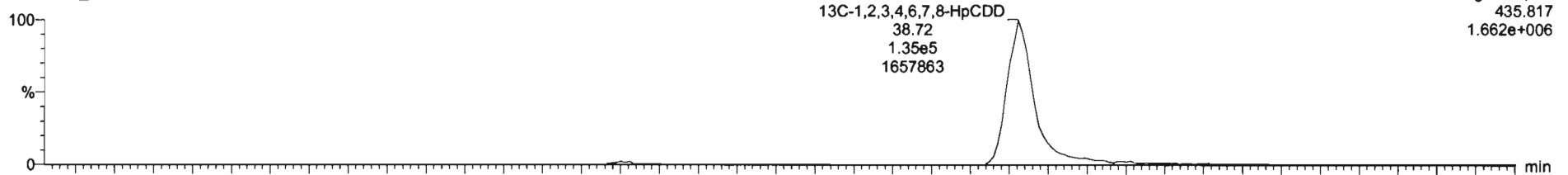


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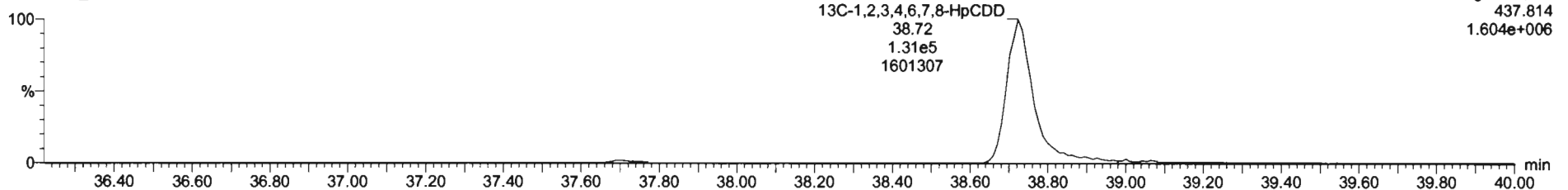


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200607R1_3



200607R1_3

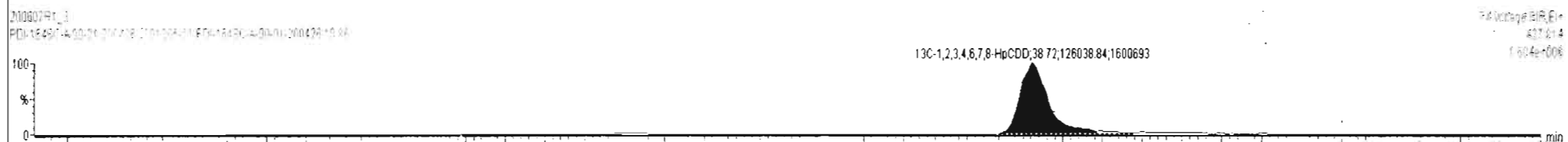
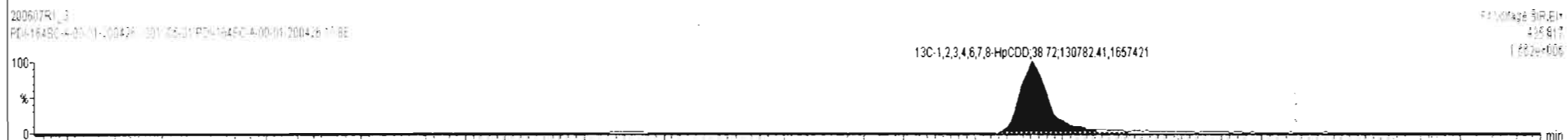
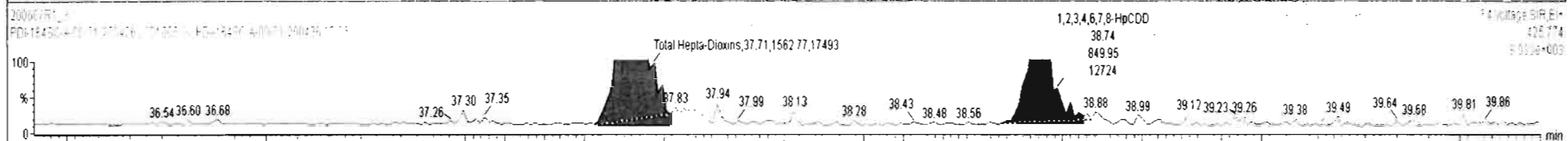
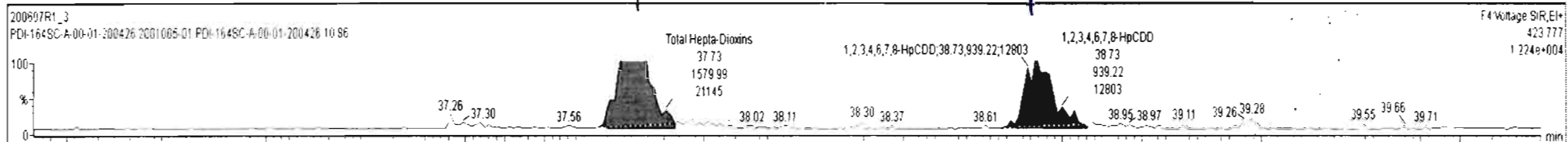




200607R1_3-20060501-PD-1648C-A-00-01-200426-10-88-PD-1648C-A-00-01-200426

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.023					0.0467	
40 Total Penta-Dioxins				0.9081	10.023					0.0415	
41 Total Hexa-Dioxins				0.8923	10.023			0.410		0.136	1.03
42 Total Hepta-Dioxins				0.8639	10.023			4.44		0.326	4.44

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.73	1.580e3	1.563e3	1.01	NO	2.8265	2.8265
2 1,2,3,4,6,7,8-HpCDD	38.73	9.392e2	8.500e2	1.11	NO	1.6091	1.6091

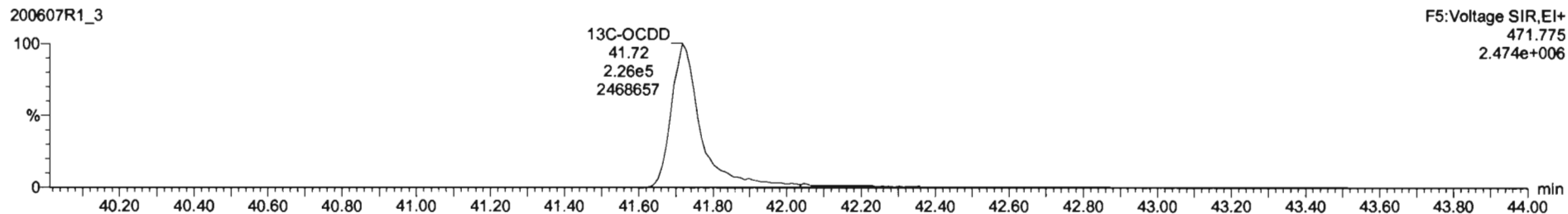
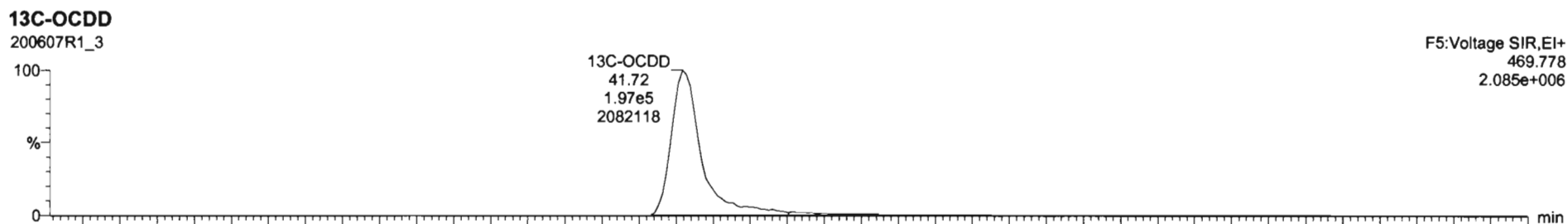
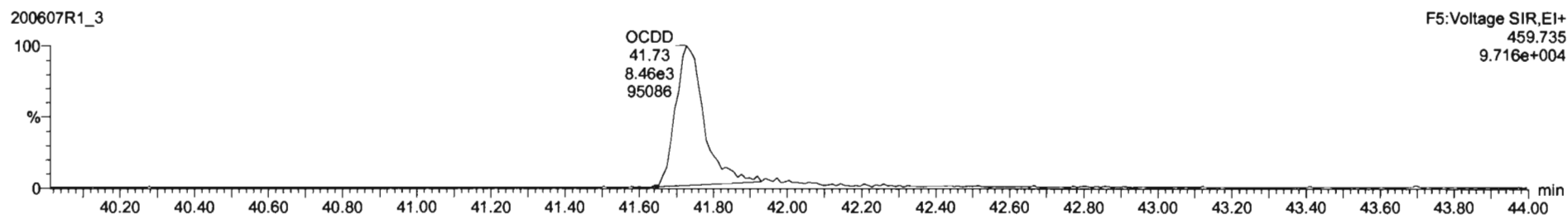
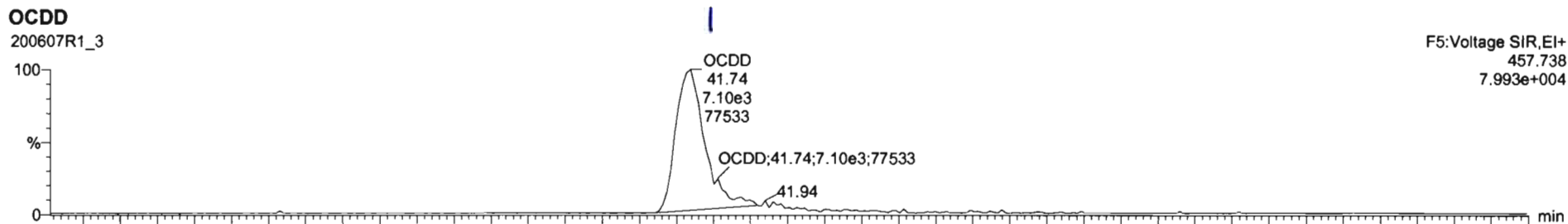


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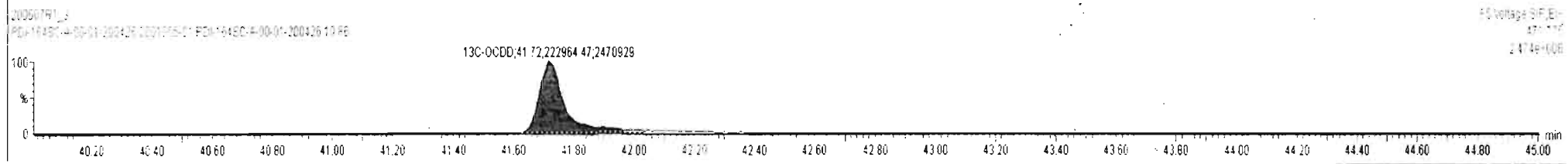
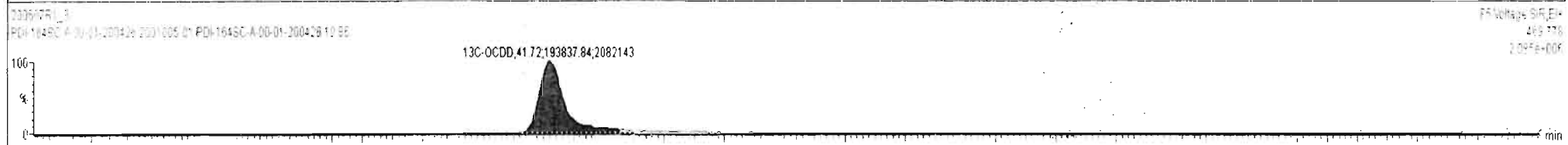
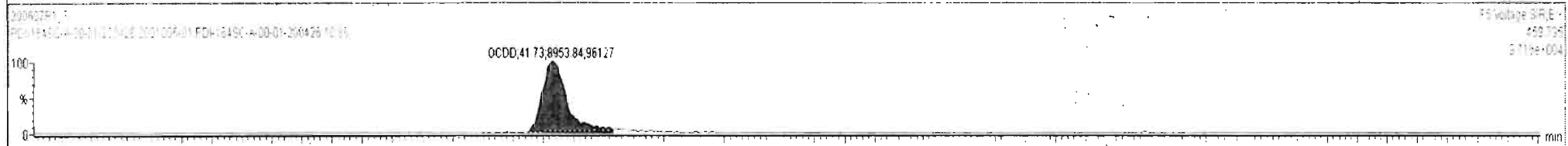
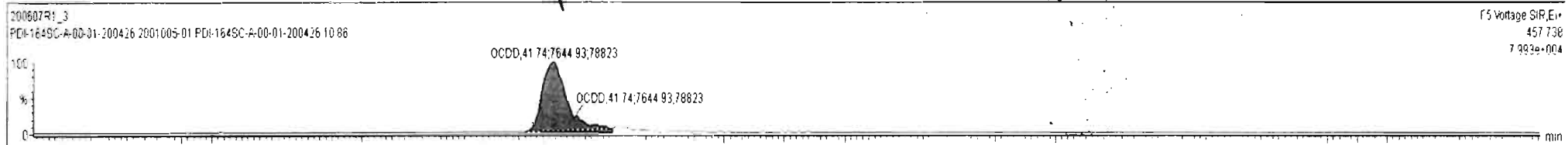
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Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426



Name	Resp	RA	n/y	RF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	1.68e4	0.85	NO	0.9136	10.023	41.74	1.001	17.4		0.393	17.4
8 2,3,7,8-TCDF			NO	0.7510	10.023					0.0451	
9 1,2,3,7,8-PeCDF			NO	0.8925	10.023					0.0741	
10 2,3,4,7,8-PeCDF			NO	0.9348	10.023					0.0650	

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

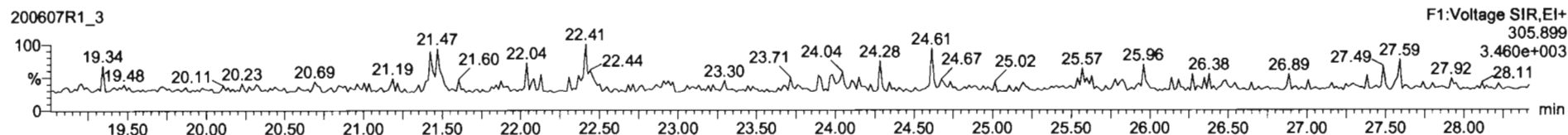
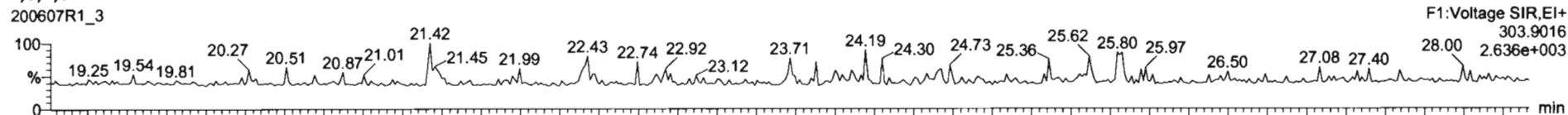


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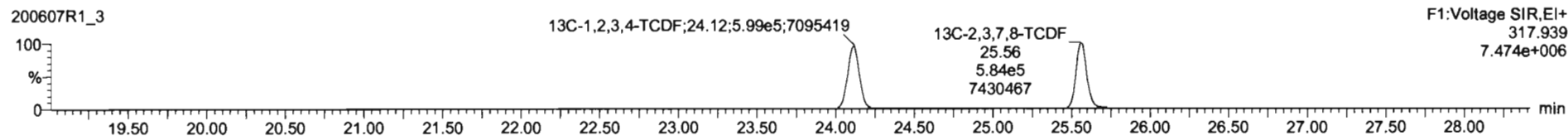
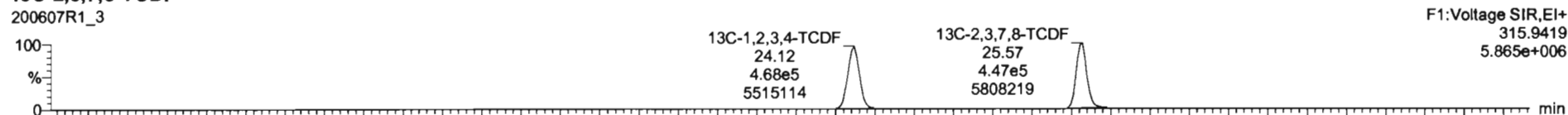
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

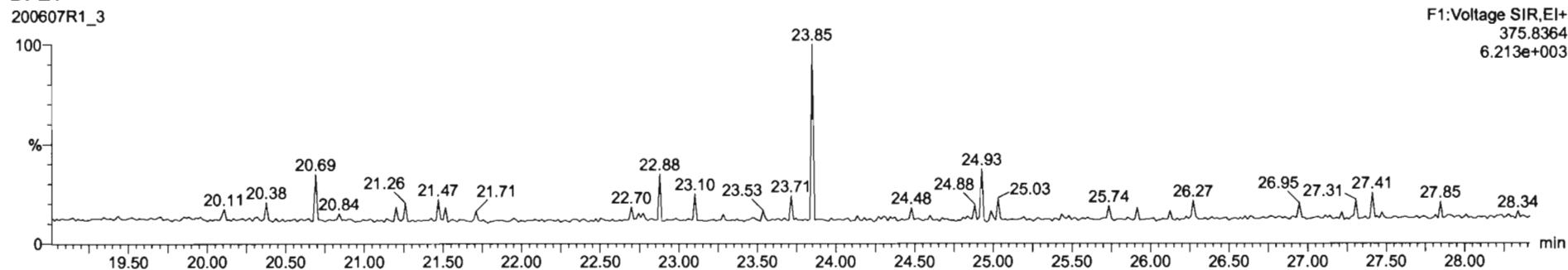
2,3,7,8-TCDF



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



DPE1



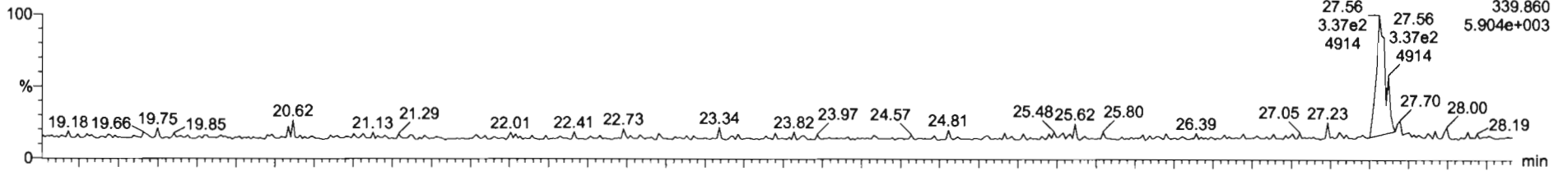
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

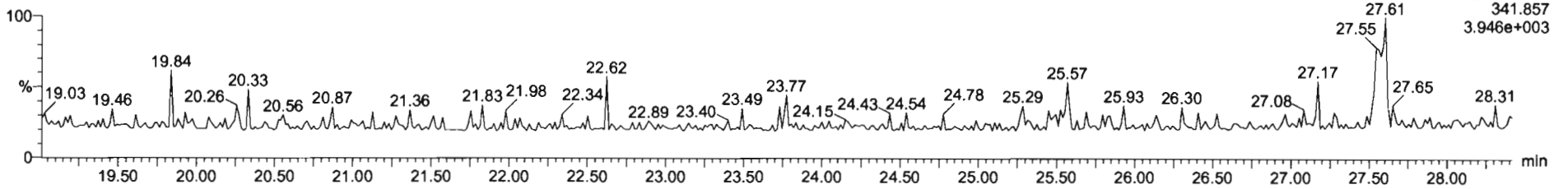
Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

1st Func. Penta-Furans

200607R1_3

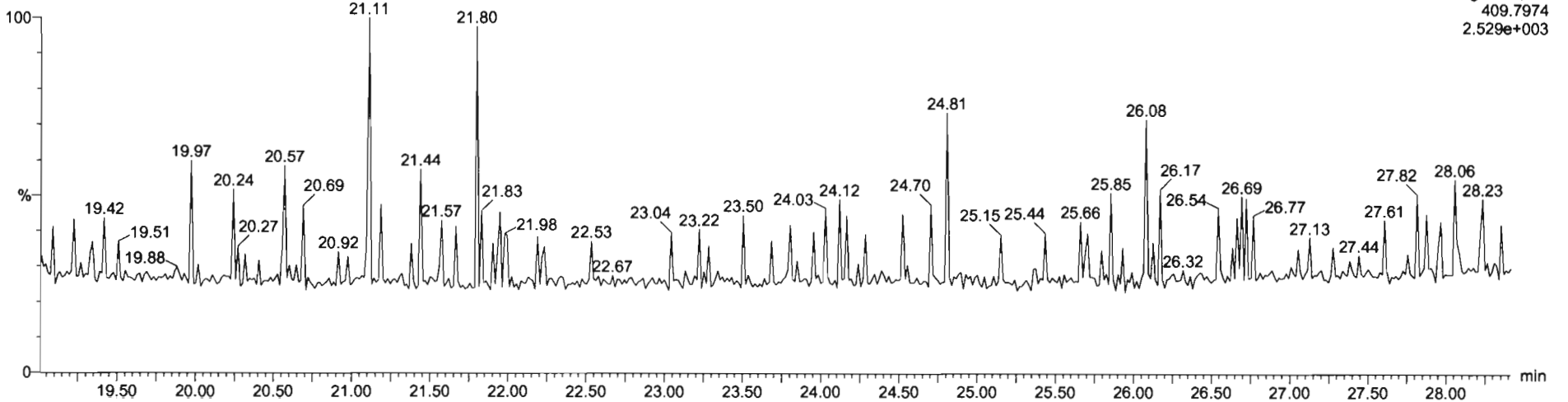


200607R1_3



DPE6

200607R1_3

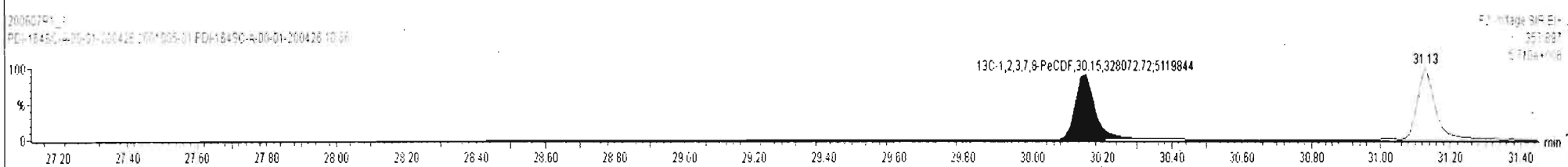
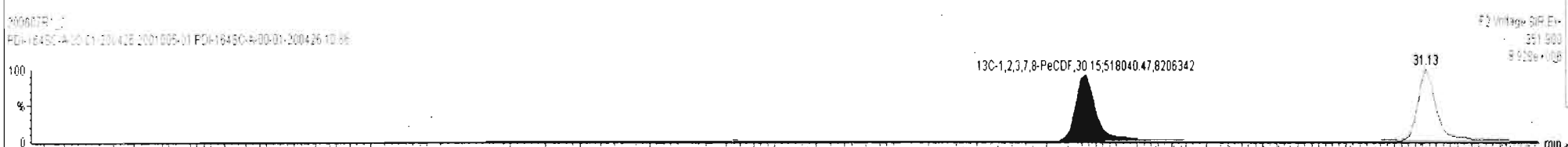
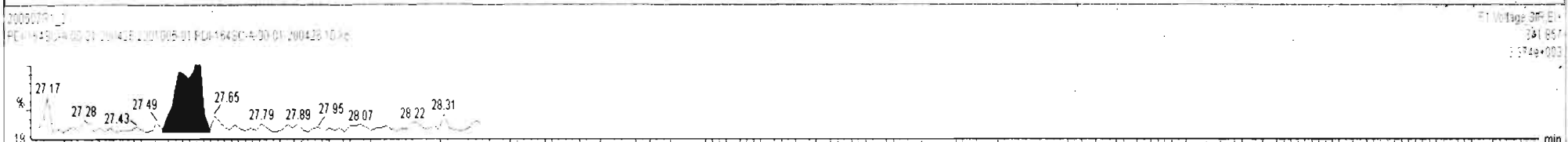
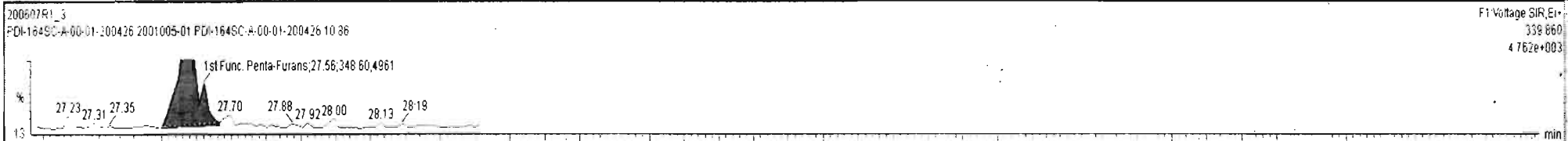




200607R1_3 - 2001005-01.PDI-1645C-A-00-01-200426 10:56 - PDI-1645C-A-00-01-200426

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.023					0.0173	
44 1st Func. Penta-Furans				0.8925	10.023			0.150		0.00992	0.150
45 Total Penta-Furans				0.8925	10.023					0.0257	
46 Total Hexa-Furans				0.9341	10.023					0.0498	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1st Func. Penta-Furans	27.56	3.486e2	2.103e2	1.66	NO	0.15047	0.15047



Dataset: Untitled

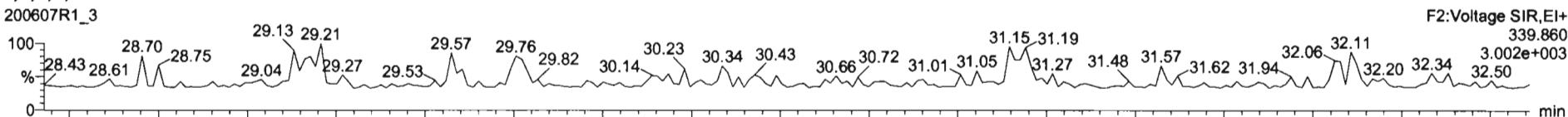
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

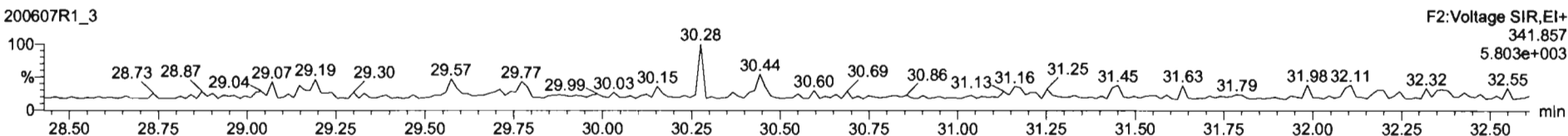
Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

1,2,3,7,8-PeCDF

200607R1_3

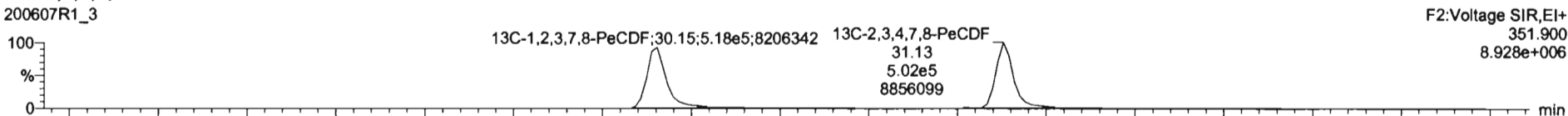


200607R1_3

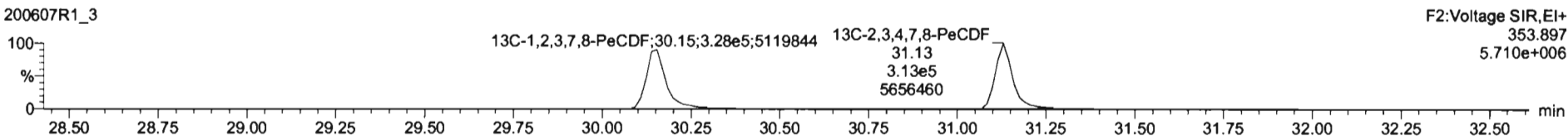


13C-1,2,3,7,8-PeCDF

200607R1_3

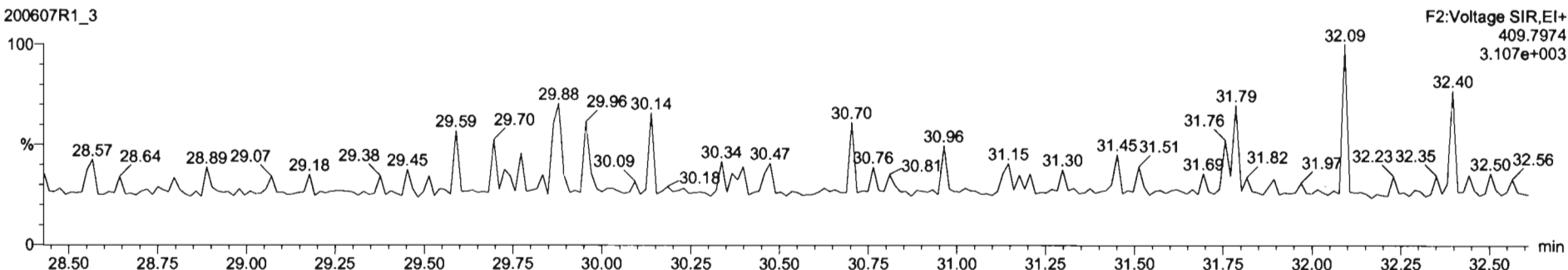


200607R1_3



DPE2

200607R1_3

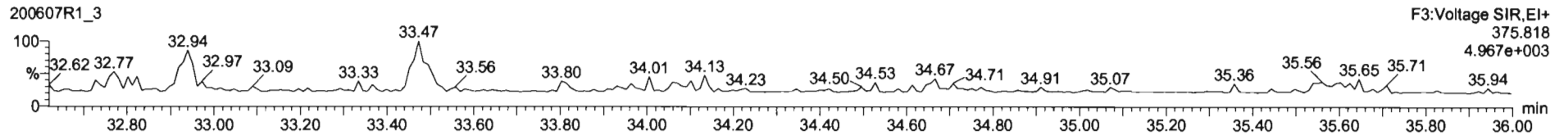
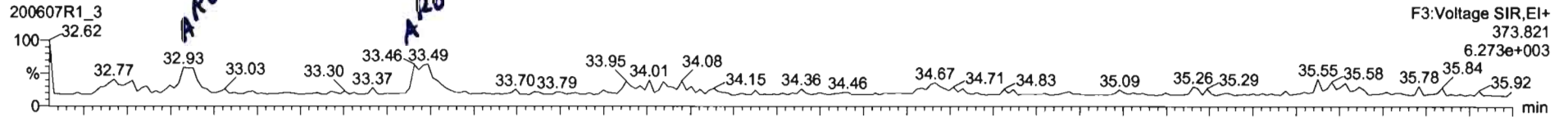


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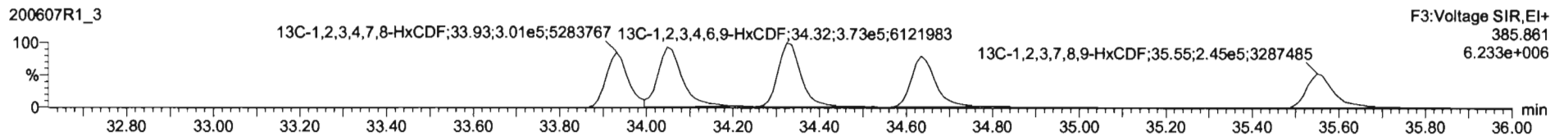
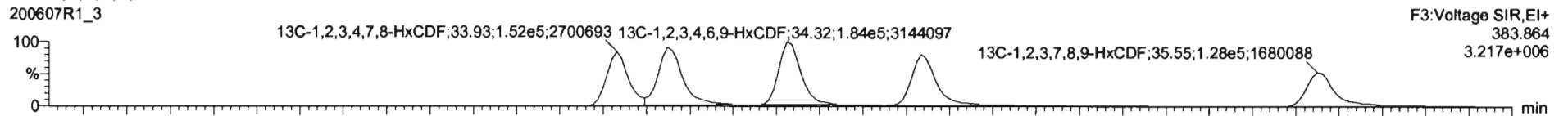
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

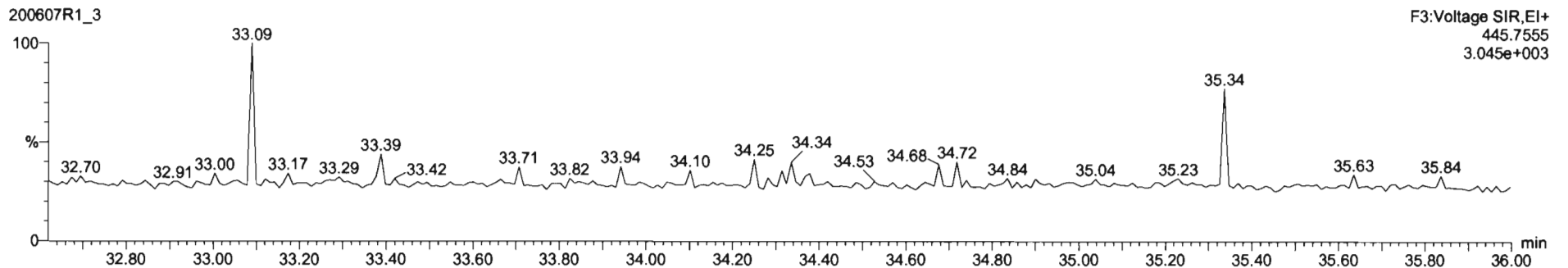
1,2,3,4,7,8-HxCDF



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

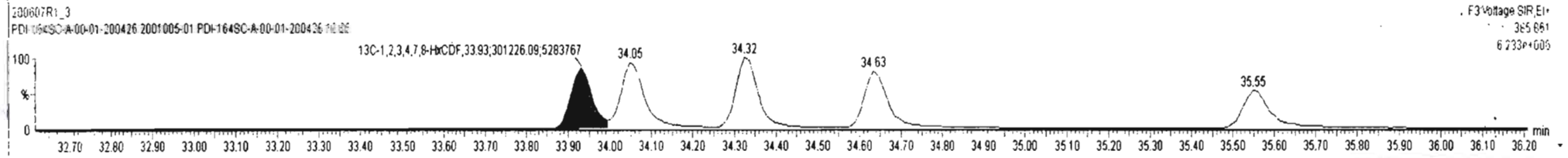
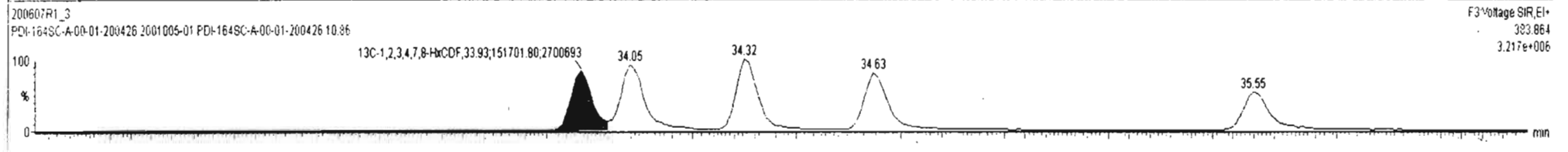
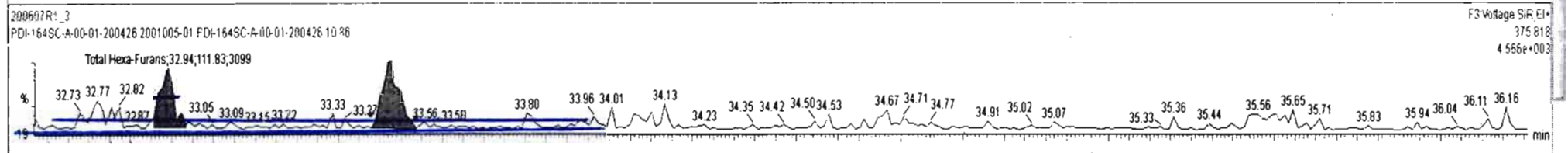
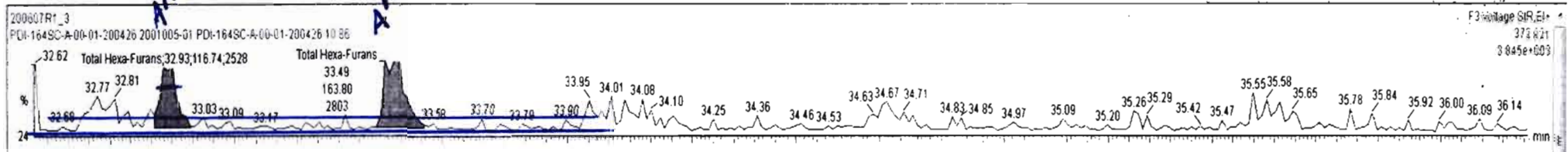


DPE3



Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.023					0.0257	
46 Total Hexa-Furans				0.9341	10.023			0.000		0.0498	0.231
47 Total Hepta-Furans				0.8734	10.023			0.331		0.124	0.331

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.93	1.167e2	1.118e2	1.04	YES	0.096175	0.00000
2 Total Hexa-Furans	33.49	1.638e2	1.594e2	1.03	YES	0.13494	0.00000



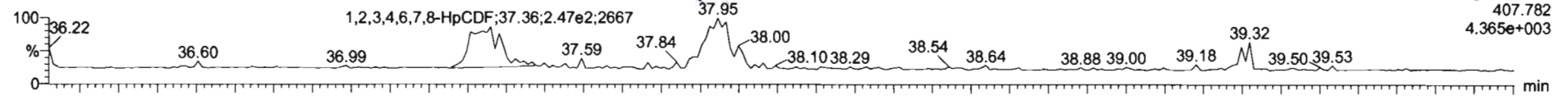
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

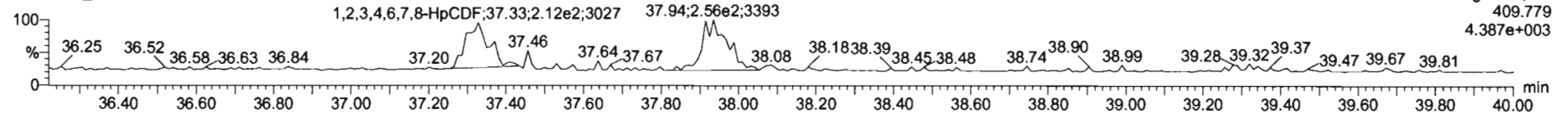
1,2,3,4,6,7,8-HpCDF

200607R1_3



F4:Voltage SIR,EI+
407.782
4.365e+003

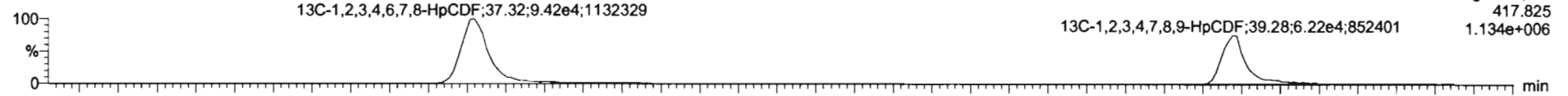
200607R1_3



F4:Voltage SIR,EI+
409.779
4.387e+003

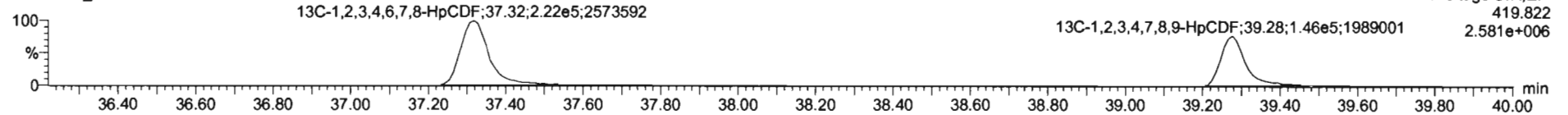
13C-1,2,3,4,6,7,8-HpCDF

200607R1_3



F4:Voltage SIR,EI+
417.825
1.134e+006

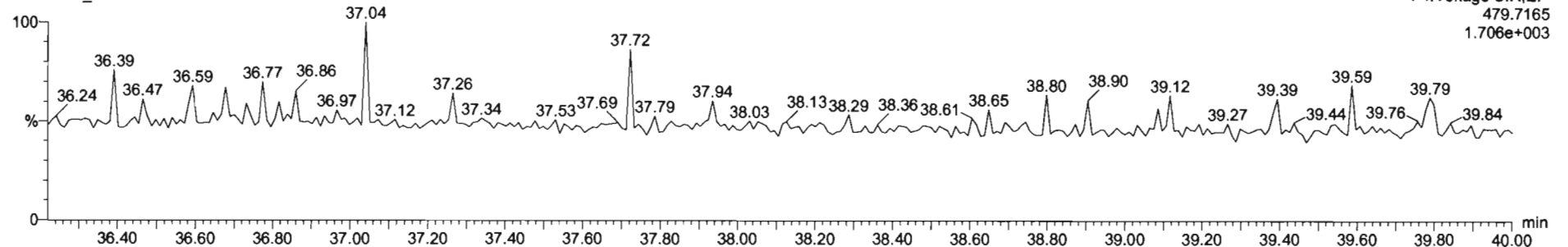
200607R1_3



F4:Voltage SIR,EI+
419.822
2.581e+006

DPE4

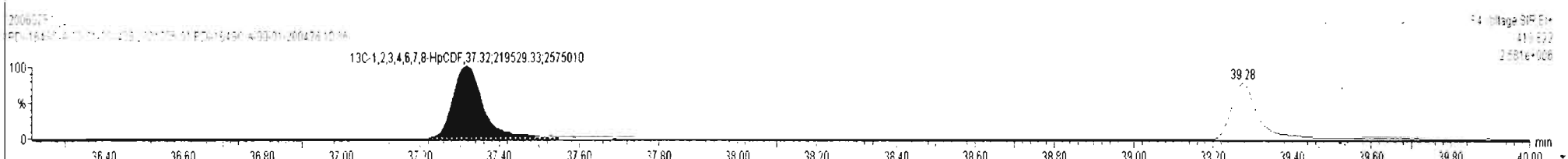
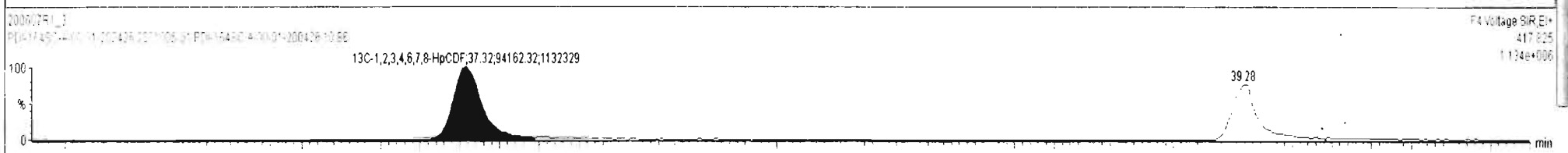
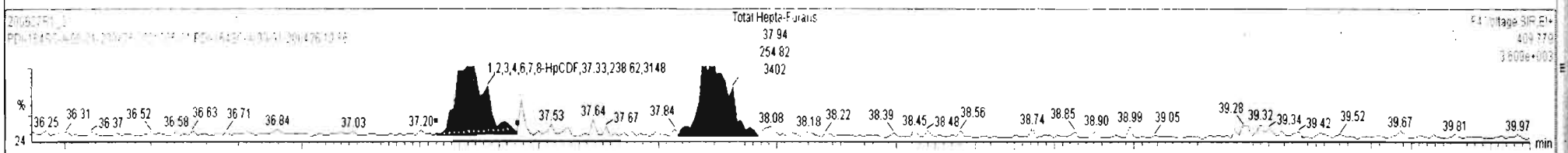
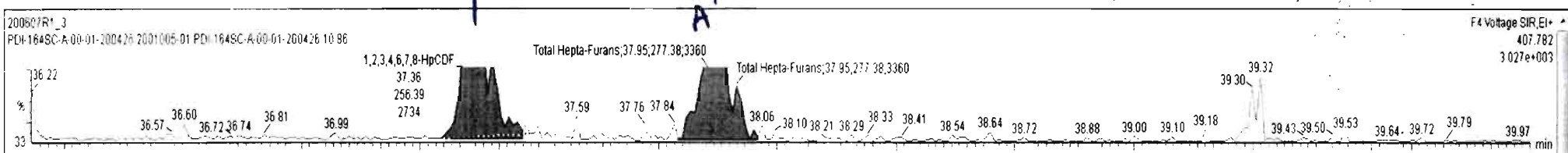
200607R1_3



F4:Voltage SIR,EI+
479.7165
1.706e+003

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.023					0.0257	
46 Total Hexa-Furans				0.9341	10.023			0.000		0.0498	0.231
47 Total Hepta-Furans				0.8734	10.023			0.827		0.125	0.827
48 PFK1											

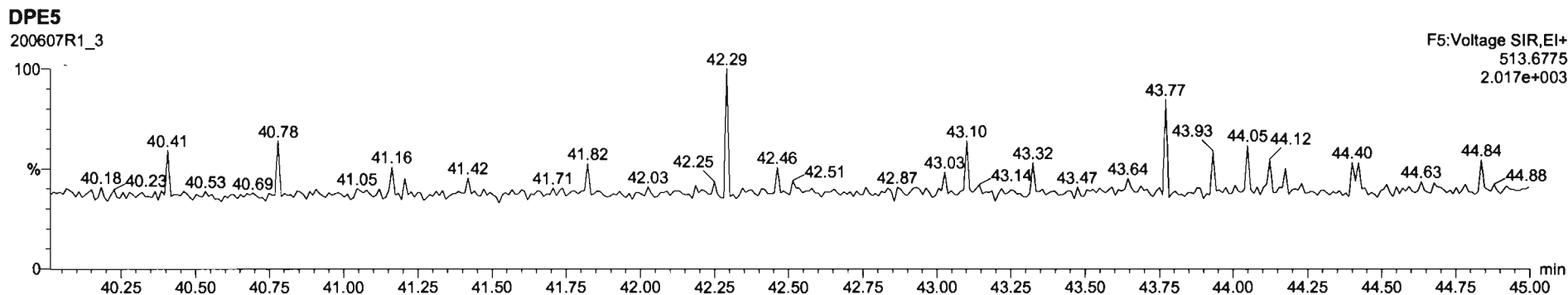
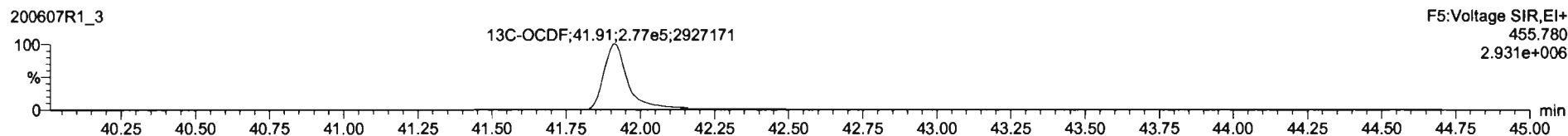
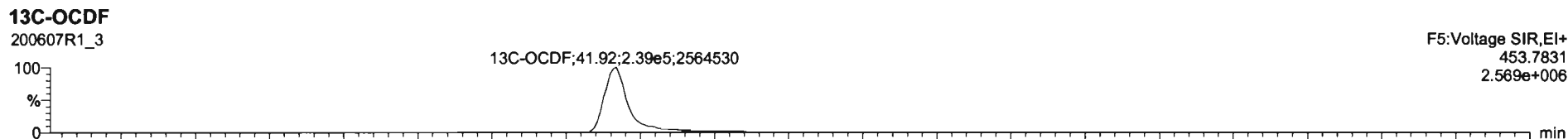
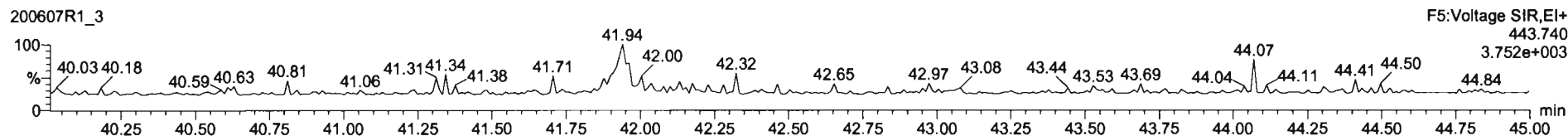
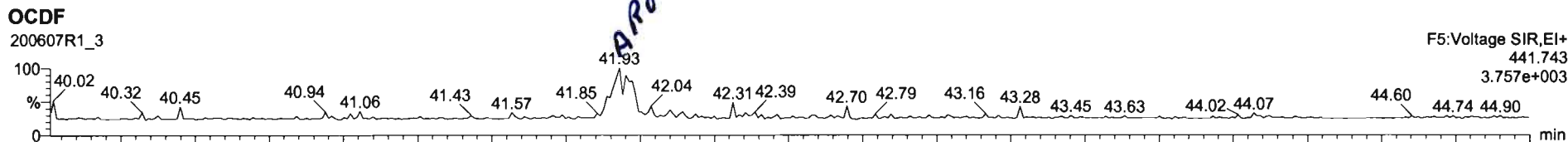
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.36	2.564e2	2.386e2	1.07	NO	0.36053	0.36053
2 Total Hepta-Furans	37.95	2.774e2	2.548e2	1.09	NO	0.46627	0.46627



Dataset: Untitled

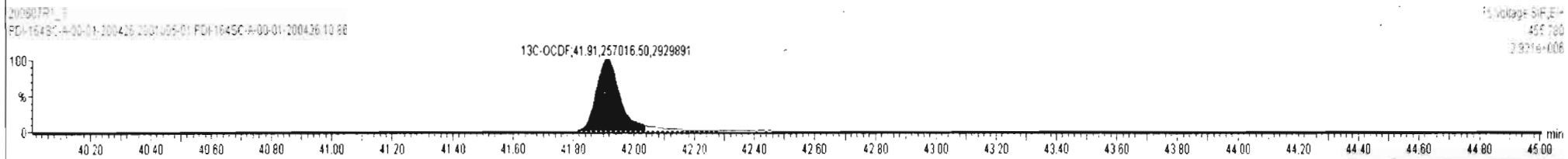
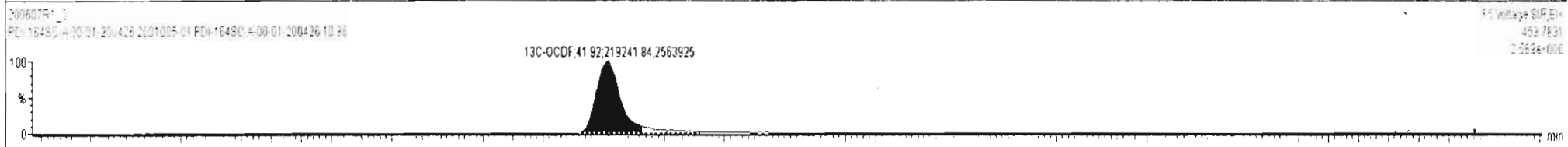
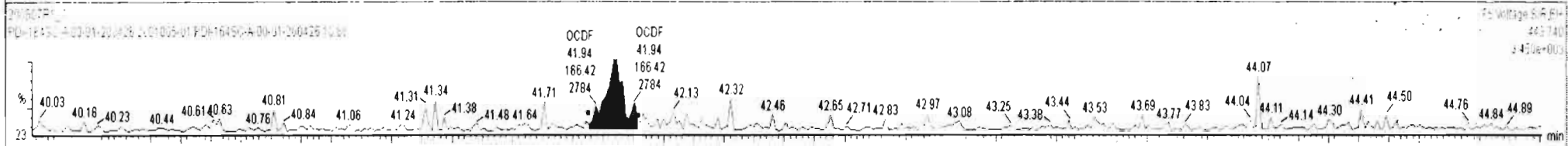
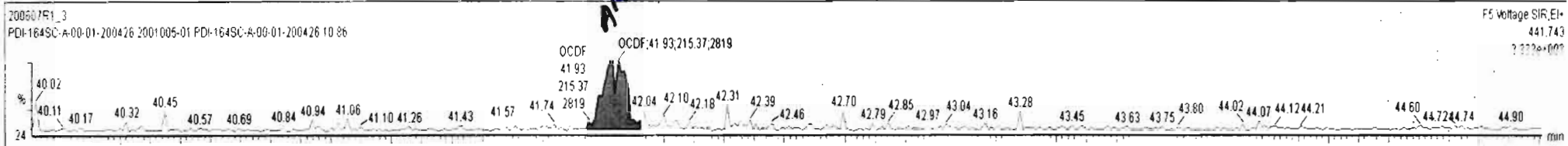
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426



Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
17	OCDf	3.82e2	1.29	YES	0.8065	10.023	41.93	1.000	0.397	0.150	0.327
18	13C-2,3,7,8-TCDD	7.81e5	0.77	NO	1.1563	10.023	26.47	1.026	187	93.6	0.268
19	13C-1,2,3,7,8-PeCDD	5.57e5	0.65	NO	0.8490	10.023	31.43	1.218	181	90.9	0.452
20	13C-1,2,3,4,7,8-HxCDD	3.39e5	1.28	NO	0.7790	10.023	34.80	1.014	156	77.9	0.957

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



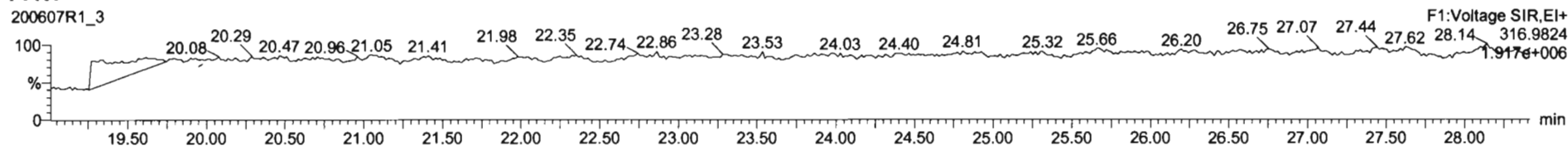
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

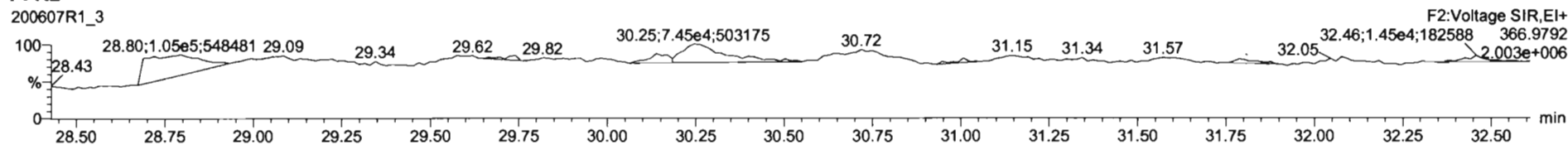
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_3, Date: 07-Jun-2020, Time: 10:15:40, ID: 2001005-01 PDI-164SC-A-00-01-200426 10.86, Description: PDI-164SC-A-00-01-200426

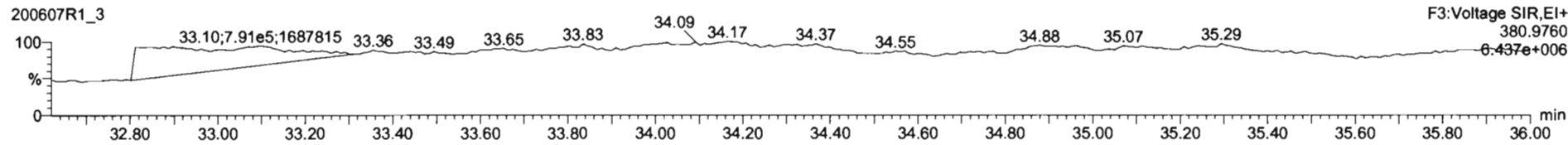
PFK1



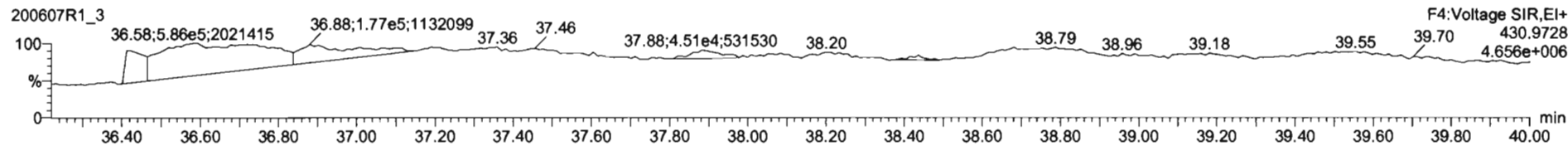
PFK2



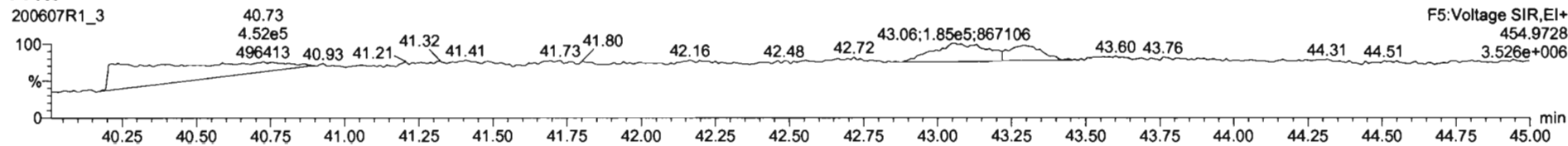
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-4b.qld

Last Altered: Tuesday, June 09, 2020 2:37:49 PM Pacific Daylight Time
Printed: Tuesday, June 09, 2020 2:50:15 PM Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\vb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.BT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.860 10.860	30.486		1.001				0.0834	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.860	31.442		1.001				0.0944	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.860	34.803		1.000				0.142	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.860	34.900		1.000				0.141	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.860	35.199		1.000				0.178	
6	6 1,2,3,4,6,7,8-HpCDD	1.44e3	0.96	NO	0.864	10.860	38.725	38.72	1.000	1.000	1.6225		0.332	1.62
7	7 OCDD	1.13e4	0.87	NO	0.914	10.860	41.695	41.71	1.000	1.000	22.777		0.790	22.8
8	8 2,3,7,8-TCDF			NO	0.751	10.860	25.582		1.001				0.0607	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.860	30.160		1.001				0.0657	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.860	31.161		1.001				0.0648	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.860	33.931		1.000				0.0646	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.860	34.058		1.000				0.0568	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.860	34.669		1.001				0.0671	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.860	35.550		1.000				0.106	
15	15 1,2,3,4,6,7,8-HpCDF	5.35e2	0.93	NO	0.873	10.860	37.344	37.32	1.001	1.000	0.45781		0.151	0.458
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.860	39.267		1.000				0.189	
17	17 OCDF			NO	0.806	10.860	41.876		1.000				0.218	
18	18 13C-2,3,7,8-TCDD	7.17e5	0.77	NO	1.16	10.860	26.476	26.45	1.026	1.026	188.17	94.3	0.280	
19	19 13C-1,2,3,7,8-PeCDD	5.16e5	0.65	NO	0.849	10.860	31.656	31.42	1.227	1.218	184.55	92.5	0.579	
20	20 13C-1,2,3,4,7,8-HxCDD	2.98e5	1.27	NO	0.779	10.860	34.809	34.79	1.014	1.014	144.58	72.5	0.860	
21	21 13C-1,2,3,6,7,8-HxCDD	4.19e5	1.28	NO	1.02	10.860	34.922	34.90	1.017	1.017	155.87	78.2	0.659	
22	22 13C-1,2,3,7,8,9-HxCDD	3.41e5	1.22	NO	0.903	10.860	35.193	35.19	1.025	1.025	142.96	71.7	0.742	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.05e5	1.02	NO	0.689	10.860	38.715	38.71	1.128	1.128	112.34	56.3	0.468	
24	24 13C-OCDD	2.17e5	0.88	NO	0.652	10.860	41.736	41.69	1.216	1.215	126.01	31.6	0.896	
25	25 13C-2,3,7,8-TCDF	9.25e5	0.77	NO	1.06	10.860	25.519	25.56	0.989	0.991	180.10	90.3	0.463	
26	26 13C-1,2,3,7,8-PeCDF	7.81e5	1.57	NO	0.838	10.860	30.041	30.14	1.165	1.168	192.08	96.3	0.573	
27	27 13C-2,3,4,7,8-PeCDF	7.58e5	1.60	NO	0.817	10.860	30.993	31.13	1.202	1.207	191.45	96.0	0.588	
28	28 13C-1,2,3,4,7,8-HxCDF	4.16e5	0.50	NO	1.01	10.860	33.941	33.93	0.989	0.989	156.32	78.4	0.766	
29	29 13C-1,2,3,6,7,8-HxCDF	5.09e5	0.49	NO	1.17	10.860	34.064	34.05	0.992	0.992	165.25	82.9	0.662	
30	30 13C-2,3,4,6,7,8-HxCDF	4.09e5	0.51	NO	1.02	10.860	34.637	34.63	1.009	1.009	151.34	75.9	0.756	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-4b.qld

Last Altered: Tuesday, June 09, 2020 2:37:49 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 2:50:15 PM Pacific Daylight Time

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.46e5	0.49	NO	0.860	10.860	35.537	35.55	1.035	1.036	152.18	76.3	0.898	
32	13C-1,2,3,4,6,7,8-HpCDF	2.67e5	0.42	NO	0.774	10.860	37.284	37.31	1.086	1.087	130.38	65.4	0.605	
33	13C-1,2,3,4,7,8,9-HpCDF	1.67e5	0.42	NO	0.521	10.860	39.312	39.27	1.145	1.144	121.17	60.8	0.900	
34	13C-OCDF	3.28e5	0.87	NO	0.746	10.860	41.907	41.88	1.221	1.220	166.72	41.8	0.599	
35	37Cl-2,3,7,8-TCDD	2.63e5			1.04	10.860	26.507	26.47	1.028	1.026	76.879	96.4	0.0778	
36	13C-1,2,3,4-TCDD	6.57e5	0.81	NO	1.00	10.860	25.890	25.80	1.000	1.000	199.45	100	0.324	
37	13C-1,2,3,4-TCDF	9.67e5	0.78	NO	1.00	10.860	24.360	24.10	1.000	1.000	199.45	100	0.491	
38	13C-1,2,3,4,6,9-HxCDF	5.27e5	0.50	NO	1.00	10.860	34.420	34.33	1.000	1.000	199.45	100	0.772	
39	39 Total Tetra-Dioxins				0.888	10.860	24.620		0.000		0.12020		0.0473	0.120
40	40 Total Penta-Dioxins				0.908	10.860	29.960		0.000				0.0247	
41	41 Total Hexa-Dioxins				0.892	10.860	33.635		0.000		0.64791		0.159	0.930
42	42 Total Hepta-Dioxins				0.864	10.860	37.640		0.000		4.6960		0.332	4.70
43	43 Total Tetra-Furans				0.751	10.860	23.610		0.000				0.0241	
44	44 1st Func. Penta-Furans				0.893	10.860	27.580		0.000		0.32935		0.0323	0.329
45	45 Total Penta-Furans				0.893	10.860	29.275		0.000		0.10330		0.0284	0.103
46	46 Total Hexa-Furans				0.934	10.860	33.555		0.000		0.23717		0.0349	0.384
47	47 Total Hepta-Furans				0.873	10.860	37.835		0.000		1.0520		0.177	1.05
48	48 PFK1													
49	49 PFK2													
50	50 PFK3													
51	51 PFK4													
52	52 PFK5													
53	53 DPE1													
54	54 DPE2													
55	55 DPE3													
56	56 DPE4													
57	57 DPE5													
58	58 DPE6													

only 06-09-2020

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-4b.qld

Last Altered: Tuesday, June 09, 2020 2:37:49 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 2:50:15 PM Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.27	2.575e3	2.995e3	1.776e2	2.063e2	0.86	NO	3.839e2	0.12020	0.12020	0.0473

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.30	1.020e4	9.370e3	5.912e2	4.301e2	1.37	NO	1.021e3	0.64791	0.64791	0.159
2	Total Hexa-Dioxins	34.13	4.845e3	4.519e3	2.458e2	2.750e2	0.89	YES	0.000e0	0.00000	0.28171	0.159

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	1.730e4	1.749e4	1.355e3	1.368e3	0.99	NO	2.723e3	3.0735	3.0735	0.332
2	1,2,3,4,6,7,8-HpCDD	38.72	1.099e4	9.201e3	7.035e2	7.338e2	0.96	NO	1.437e3	1.6225	1.6225	0.332

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	1st Func. Penta-Furans	27.58	9.372e3	8.717e3	6.891e2	4.447e2	1.55	NO	1.134e3	0.32935	0.32935	0.0323

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-4b.qld

Last Altered: Tuesday, June 09, 2020 2:37:49 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 2:50:15 PM Pacific Daylight Time

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.19	4.635e3	2.229e3	2.270e2	1.286e2	1.76	NO	3.556e2	0.10330	0.10330	0.0284

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.94	3.942e3	3.981e3	1.600e2	1.742e2	0.92	YES	0.000e0	0.00000	0.14699	0.0349
2	Total Hexa-Furans	33.48	4.803e3	3.868e3	2.607e2	2.057e2	1.27	NO	4.664e2	0.23717	0.23717	0.0349

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	37.32	4.141e3	5.037e3	2.584e2	2.764e2	0.93	NO	5.348e2	0.45781	0.45781	0.151
2	Total Hepta-Furans	37.92	4.610e3	3.691e3	2.915e2	2.725e2	1.07	NO	5.640e2	0.59418	0.59418	0.177

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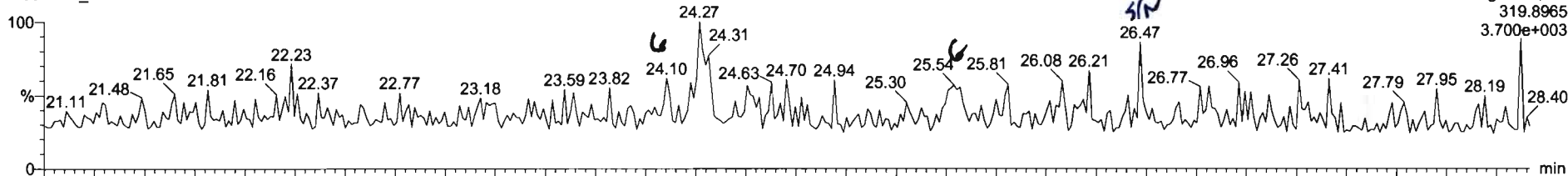
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

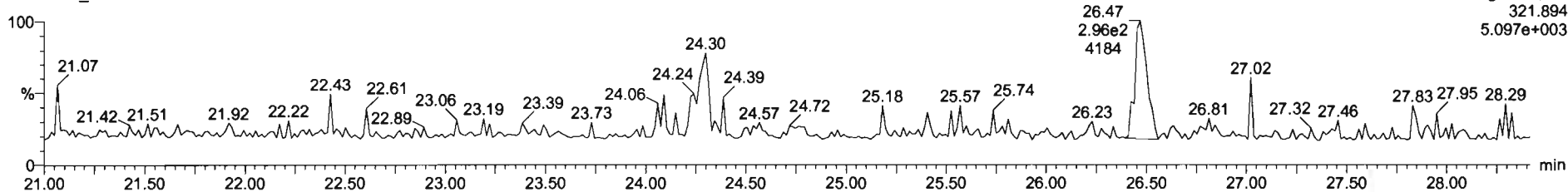
Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

2,3,7,8-TCDD

200607R1_4

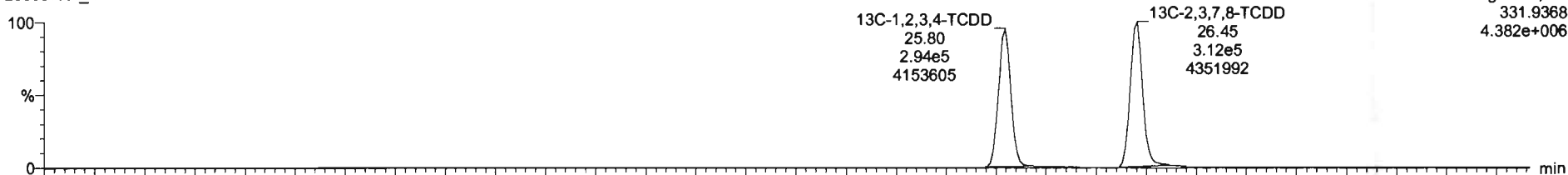


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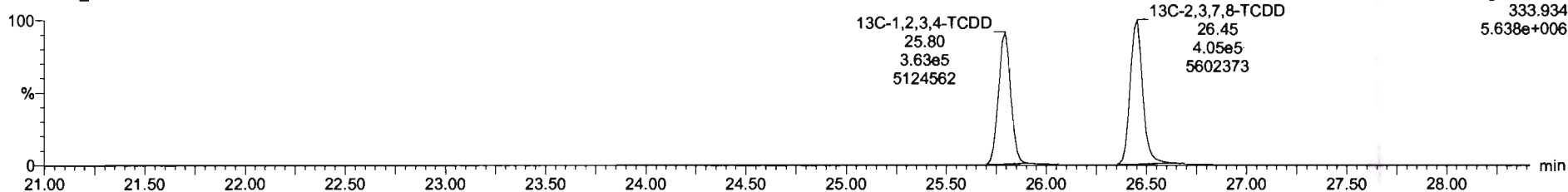


13C-2,3,7,8-TCDD

200607R1_4

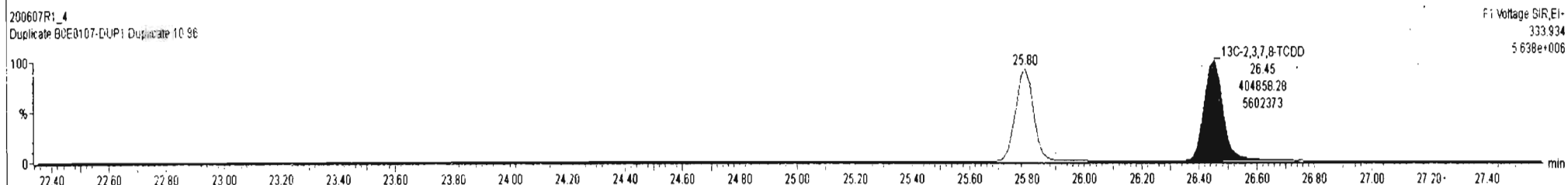
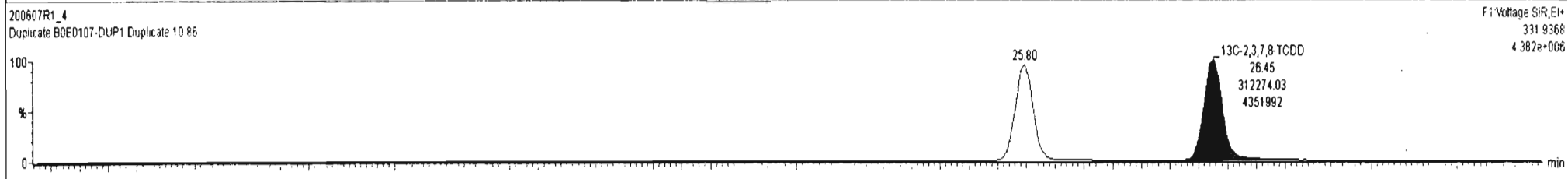
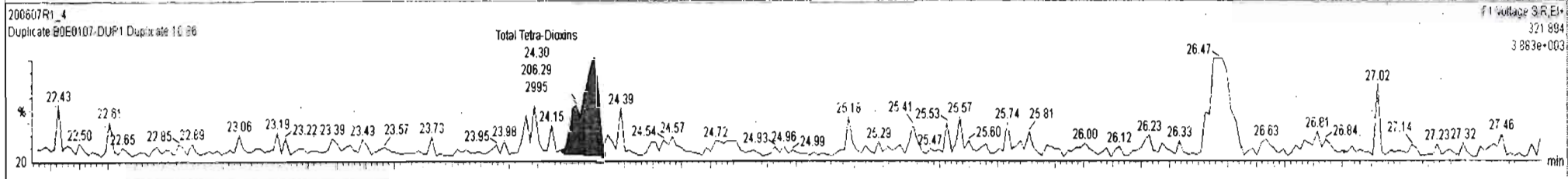
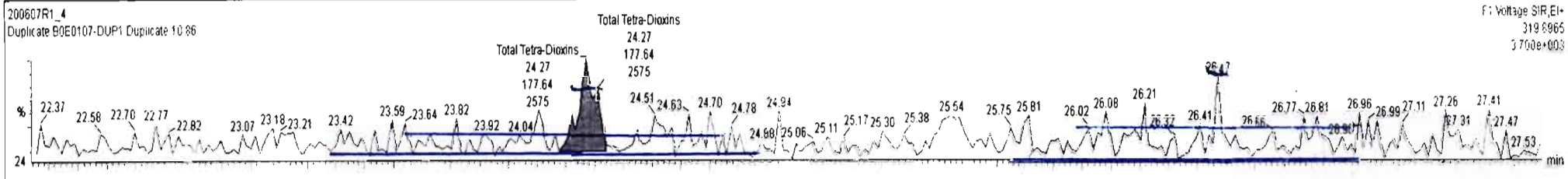


200607R1_4



Name	Resp	RA	n/y	RRF	wlVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.860			0.111		0.0437	0.111
40 Total Penta-Dioxins				0.9081	10.860					0.0228	
41 Total Hexa-Dioxins				0.8977	10.860					0.1471	0.6170

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	24.27	1.776e2	2.063e2	0.86	NO	0.11099	0.11099



Dataset: Untitled

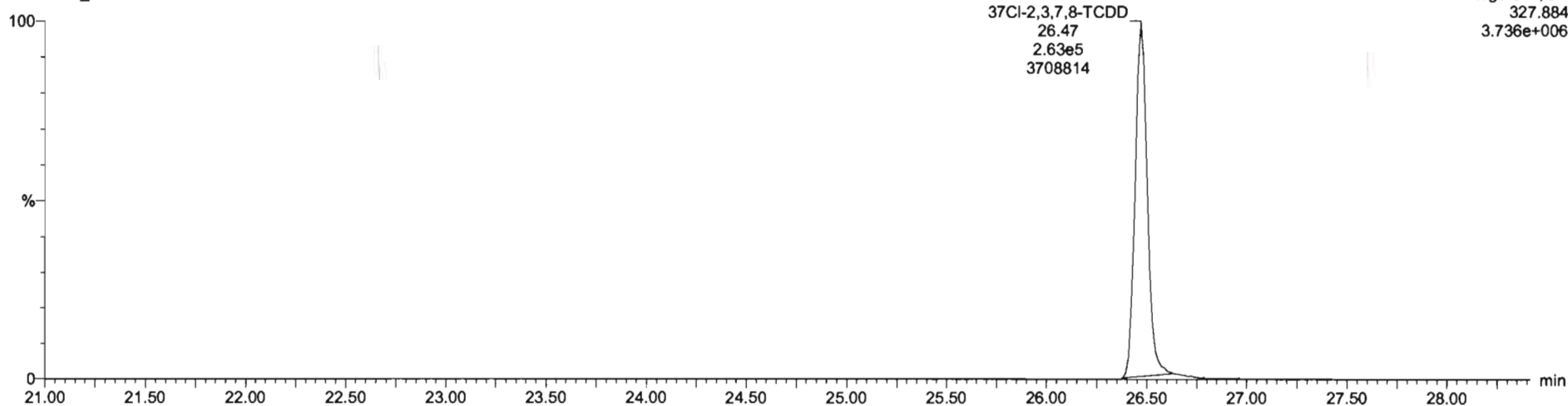
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

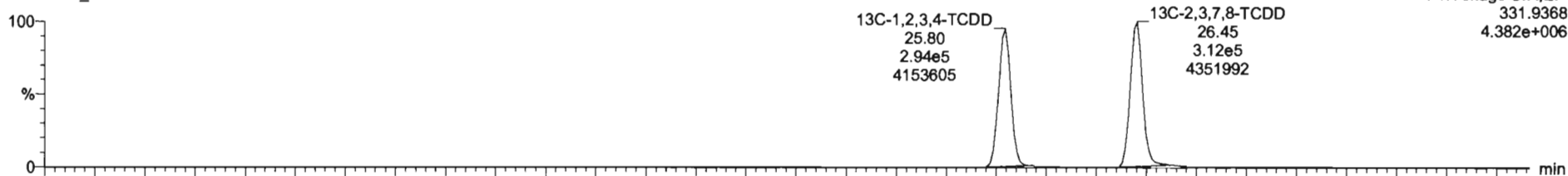
37Cl-2,3,7,8-TCDD

200607R1_4

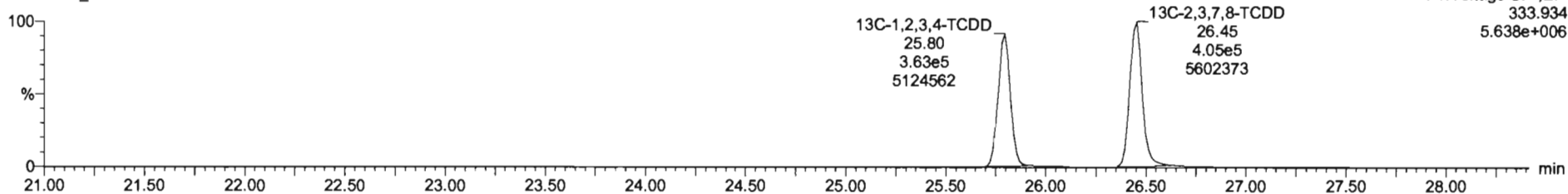


13C-1,2,3,4-TCDD

200607R1_4



200607R1_4



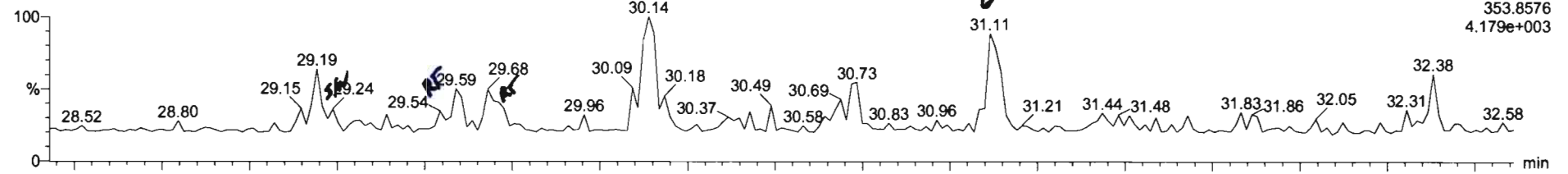
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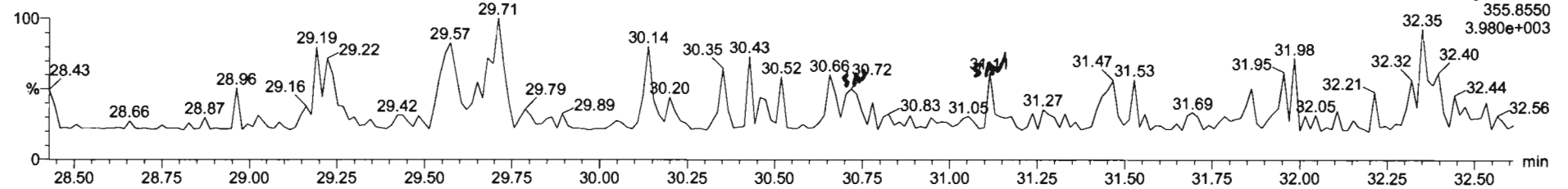
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1,2,3,7,8-PeCDD

200607R1_4

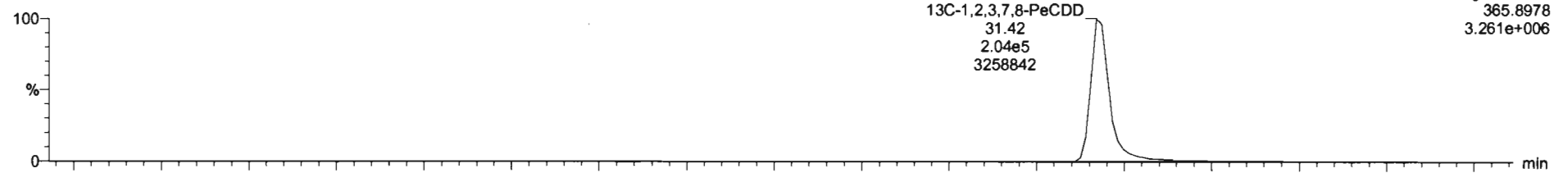


200607R1_4

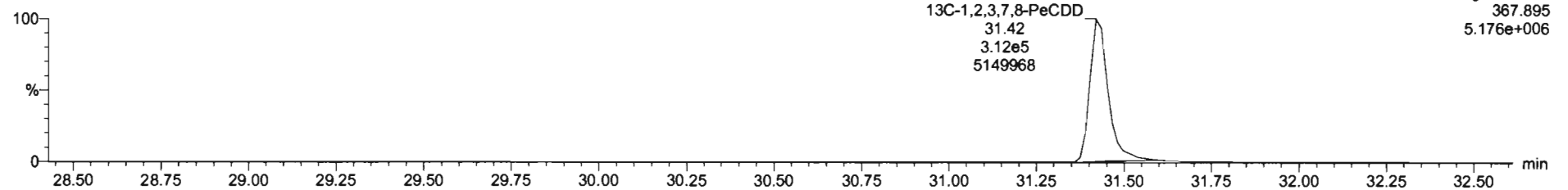


13C-1,2,3,7,8-PeCDD

200607R1_4

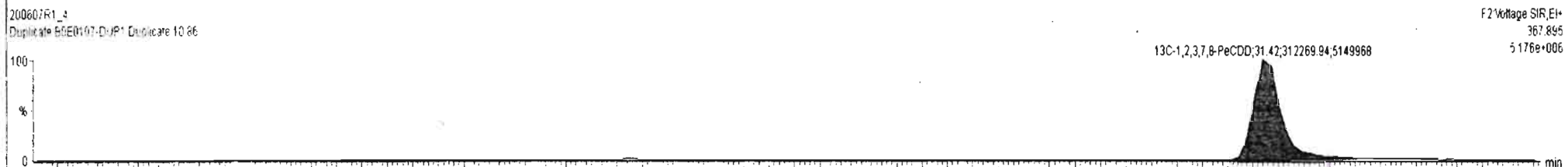
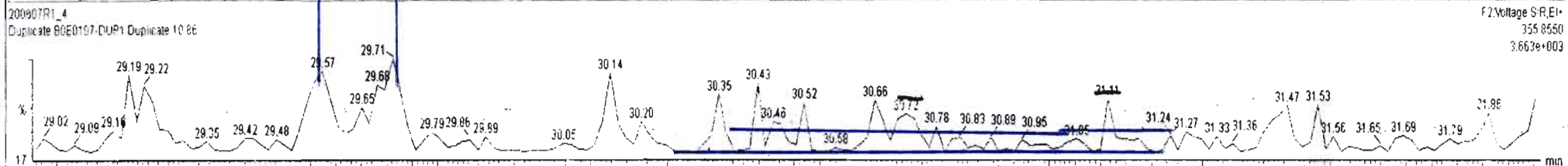
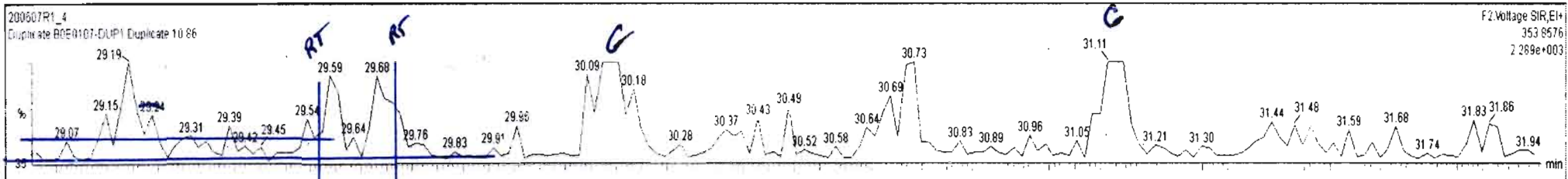


200607R1_4



Name	Resp	RA	nly	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.860			0.111		0.0437	0.111
40 Total Penta-Dioxins				0.9081	10.860					0.0228	
41 Total Hexa-Dioxins				0.8073	10.860			0.807		0.147	0.807

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.



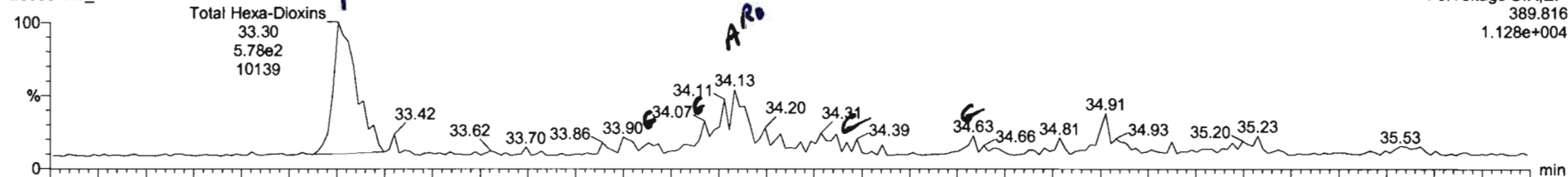
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

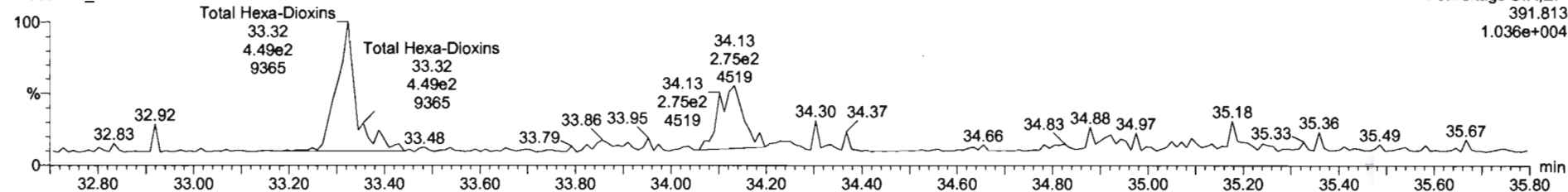
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1,2,3,4,7,8-HxCDD

200607R1_4

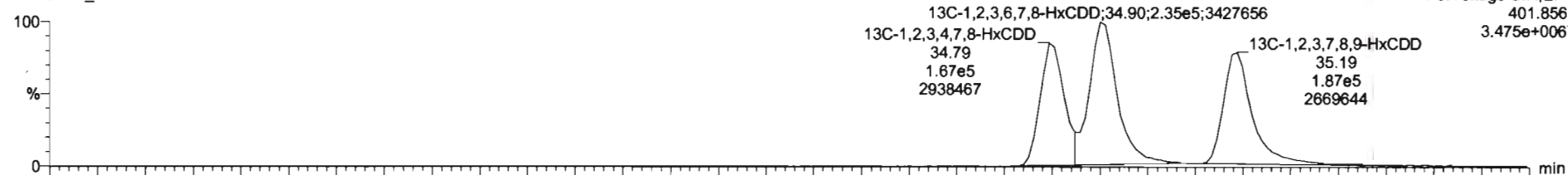


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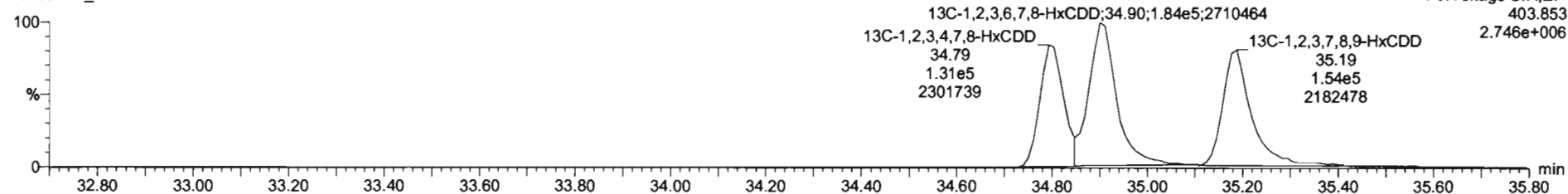


13C-1,2,3,4,7,8-HxCDD

200607R1_4



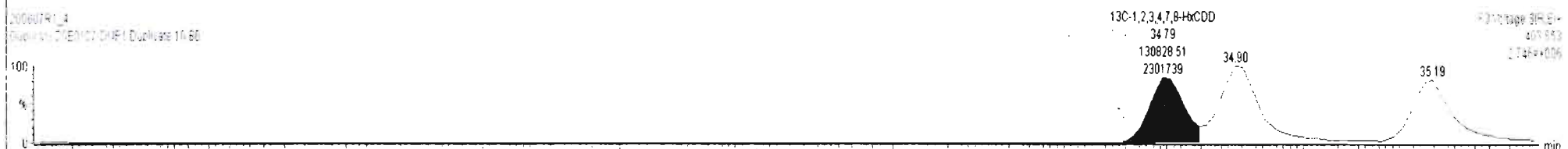
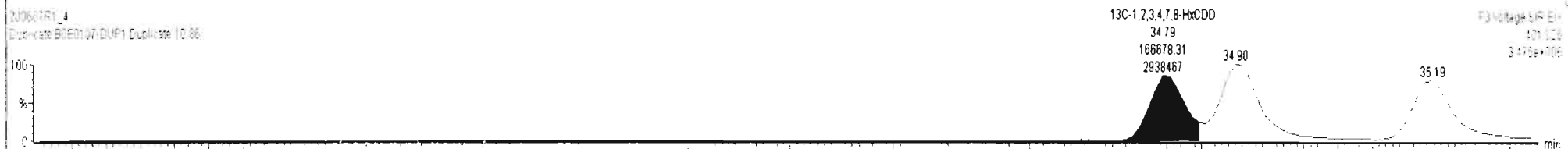
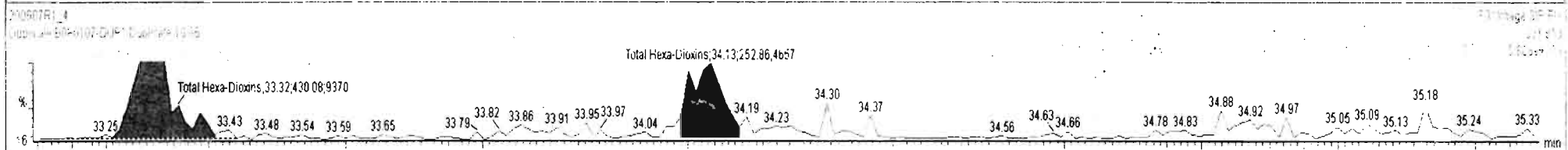
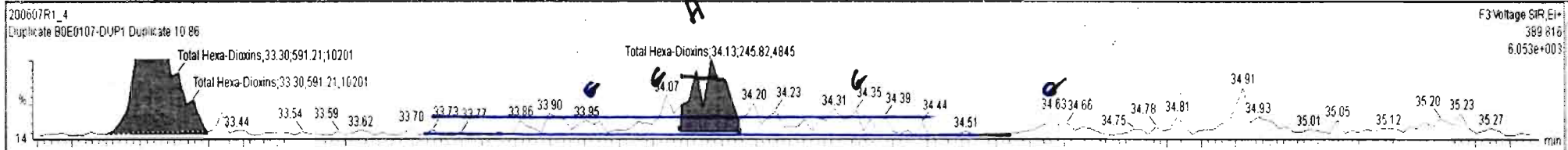
200607R1_4



200607R1-4-BE0107-DUP1 Duplicate 10.86

Name	Resp	RA	n/y	RF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.8883	10.860		0.111		0.0437	0.111
40	Total Penta-Dioxins				0.9081	10.860				0.0228	
41	Total Hexa-Dioxins				0.9279	10.860		n 5081		n 147	n 6881

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.	
1	Total Hexa-Dioxins	33.30	5.912e2	4.301e2	1.37	NO	0.59825	0.59825
2	Total Hexa-Dioxins	34.13	2.458e2	2.529e2	0.97	YES	0.26012	0.00000



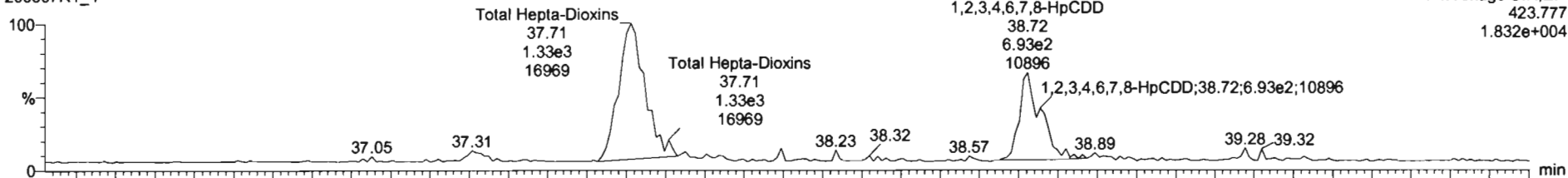
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

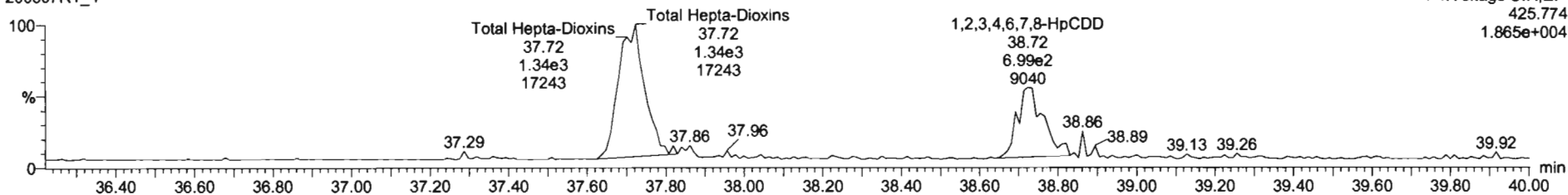
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1,2,3,4,6,7,8-HpCDD

200607R1_4

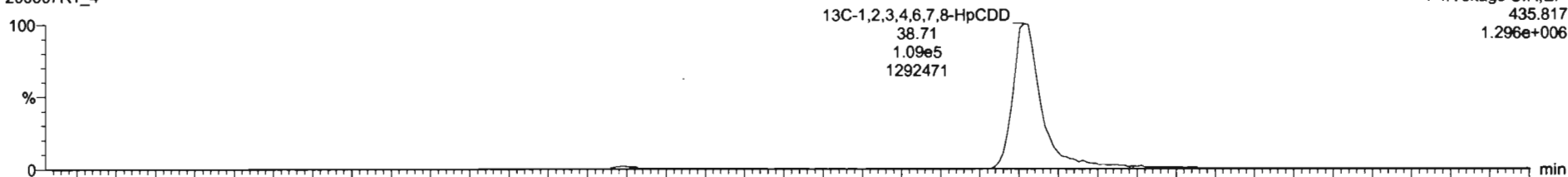


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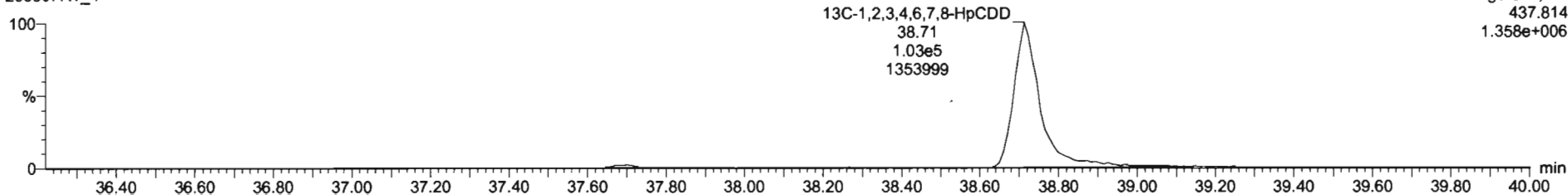


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200607R1_4



200607R1_4

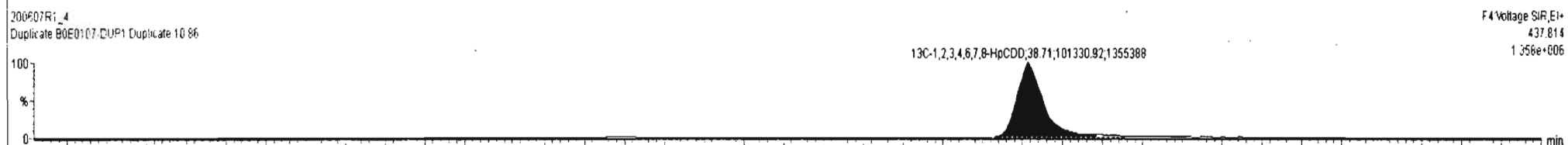
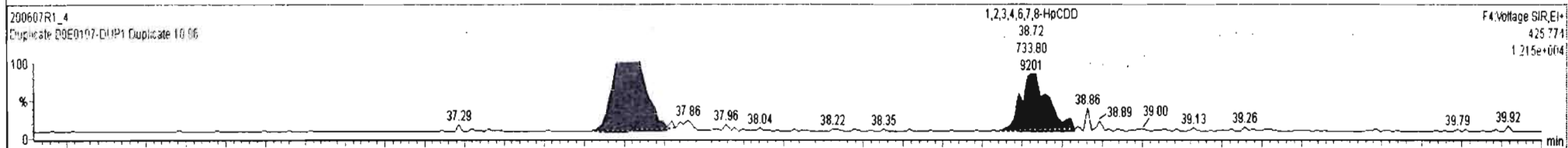
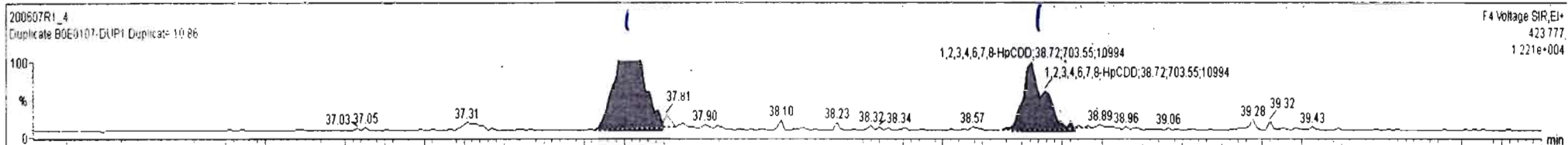




200607R1_4 - B0E0107-DUP1 Duplicate 10.86 - Duplicate

Name	Resp	RA	n/y	R6F	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8923	10.860			0.598		0.147	0.858
42 Total Hepta-Dioxins				0.8639	10.860			4.34		0.307	4.34
43 Total Tetra-Furans				0.7510	10.860					0.0223	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	1.355e3	1.369e3	0.99	NO	2.8380	2.8380
2 1,2,3,4,6,7,8-HpCDD	38.72	7.035e2	7.338e2	0.96	NO	1.4981	1.4981

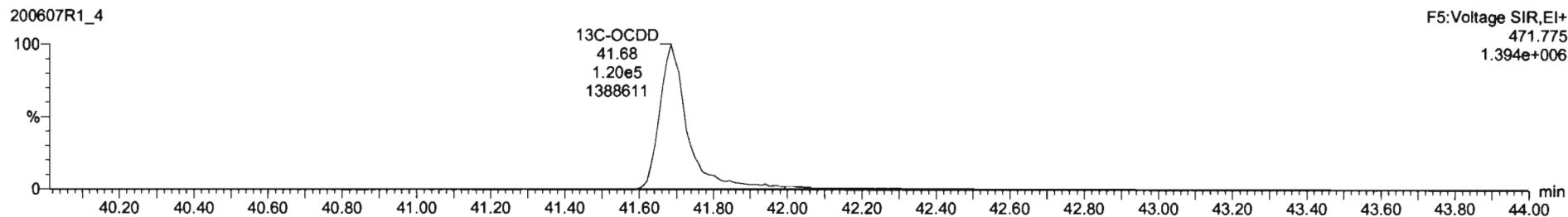
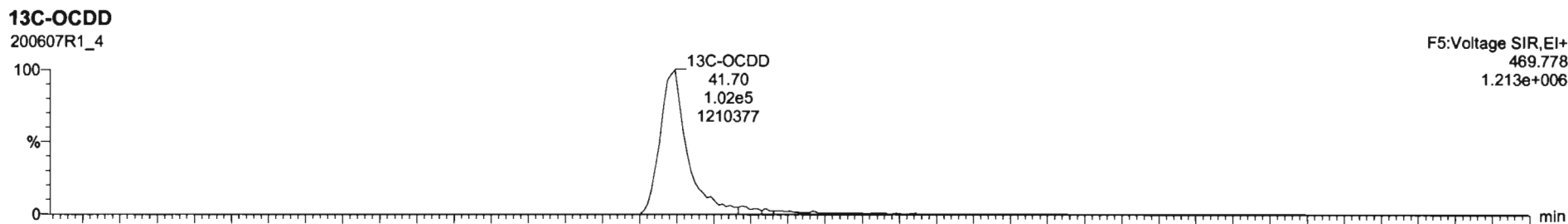
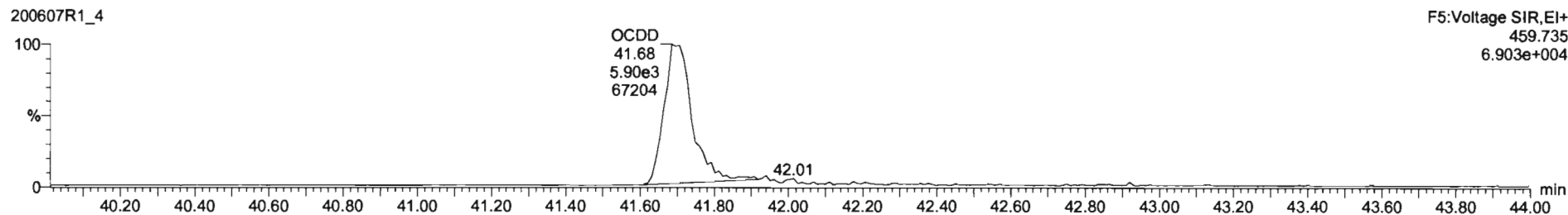
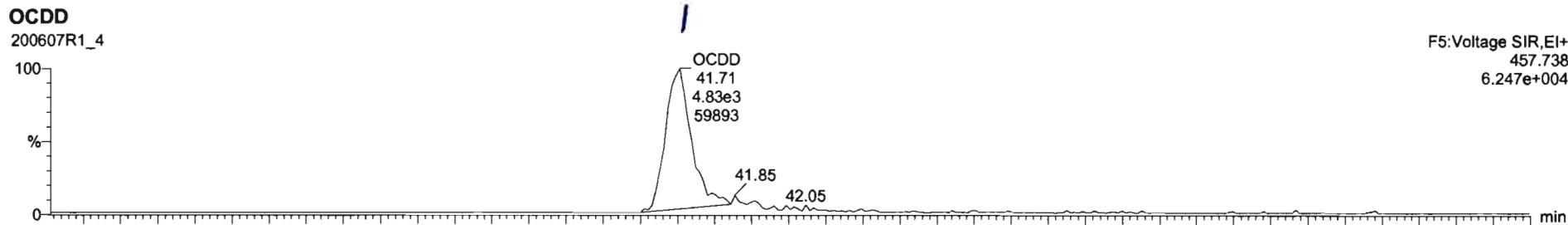


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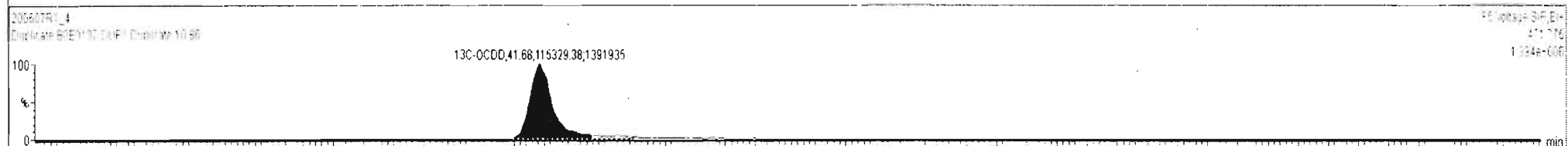
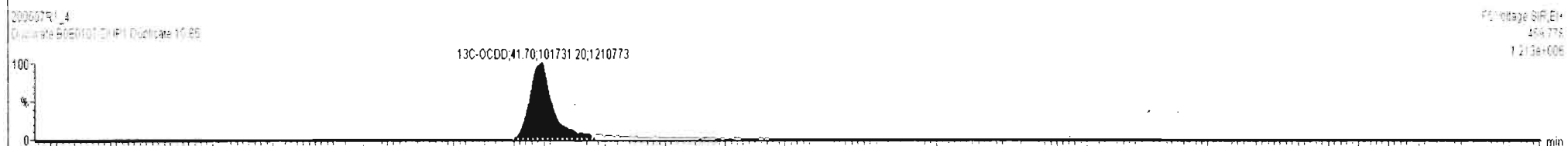
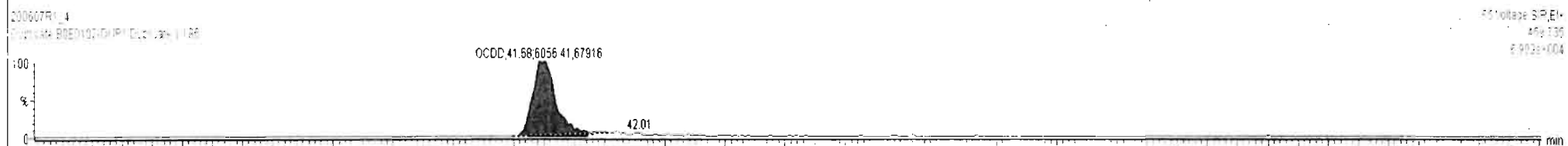
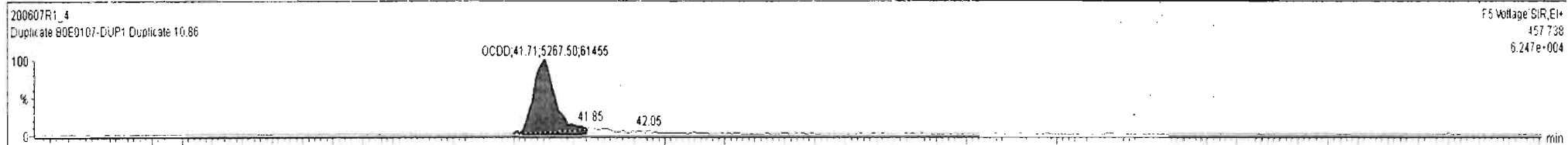
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate



Name	Resp	RA	n/y	RF	wtAve	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	1.13e4	0.87	NO	0.9136	10.860	41.71	1.000	21.0		0.730	21.0
8 2,3,7,8-TCDF			NO	0.7510	10.860					0.0561	
9 1,2,3,7,8-PCDF			NO	0.8875	10.860					0.0606	

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



Dataset: Untitled

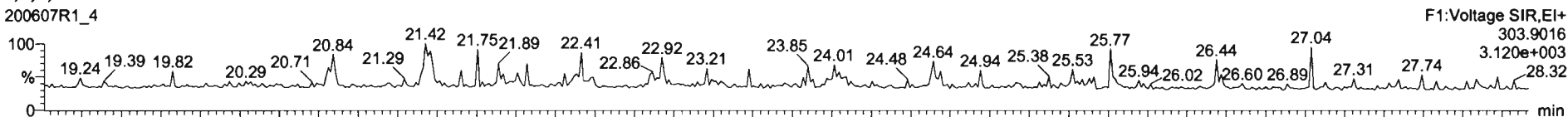
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

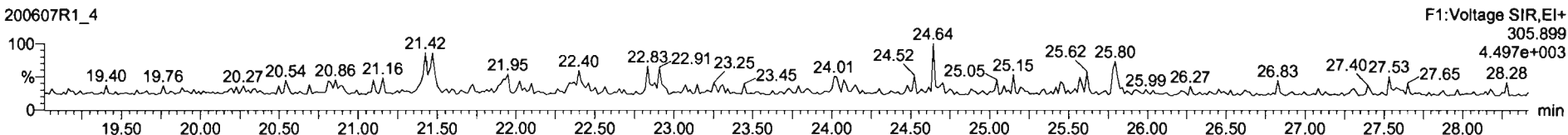
Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Dupllcate 10.86, Description: Duplicate

2,3,7,8-TCDF

200607R1_4

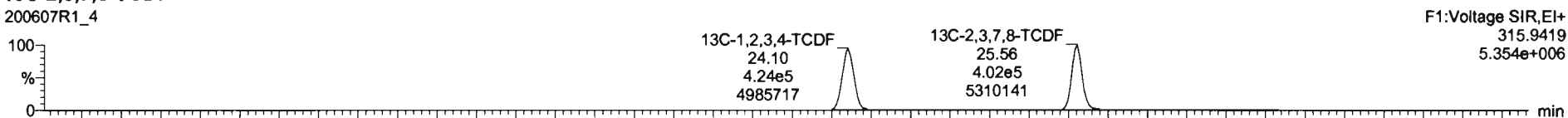


200607R1_4

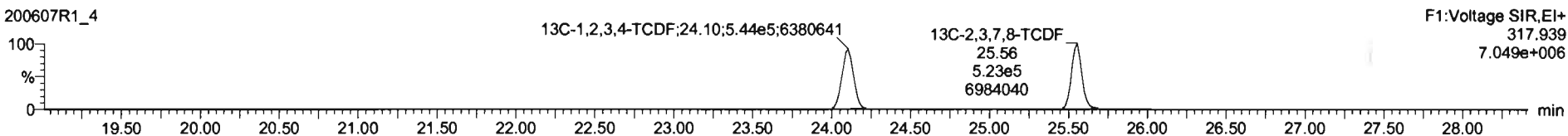


13C-2,3,7,8-TCDF

200607R1_4

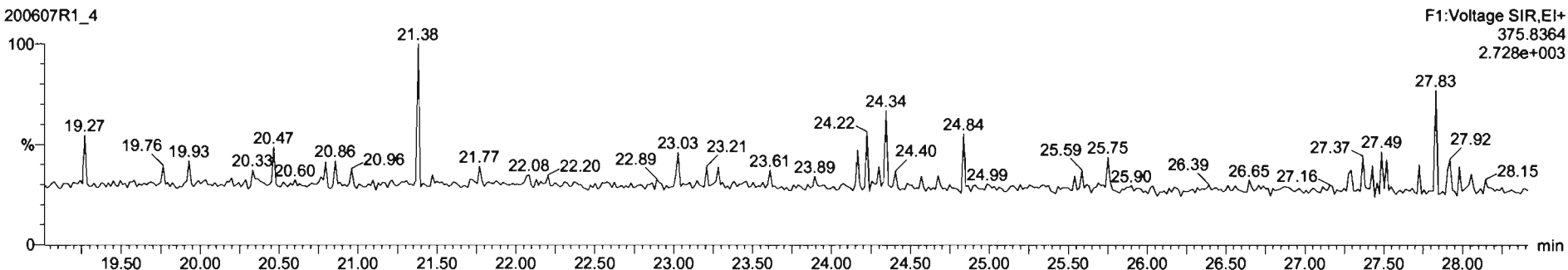


200607R1_4



DPE1

200607R1_4



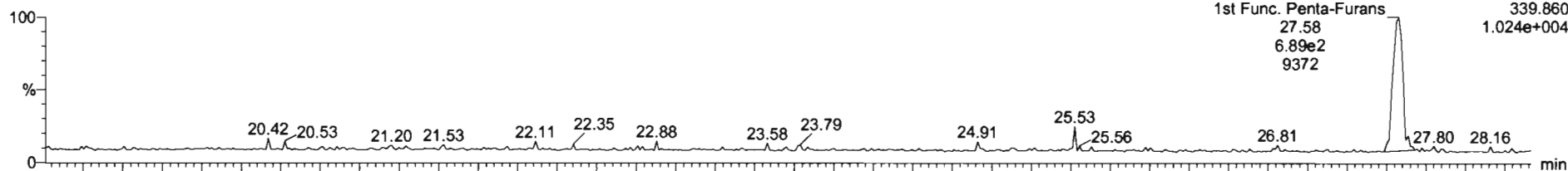
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

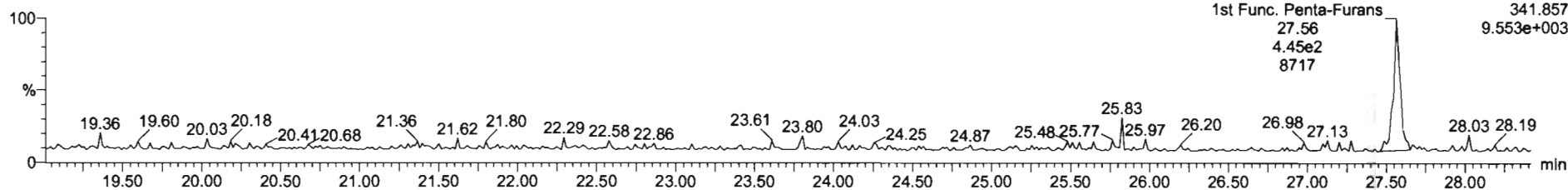
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1st Func. Penta-Furans

200607R1_4

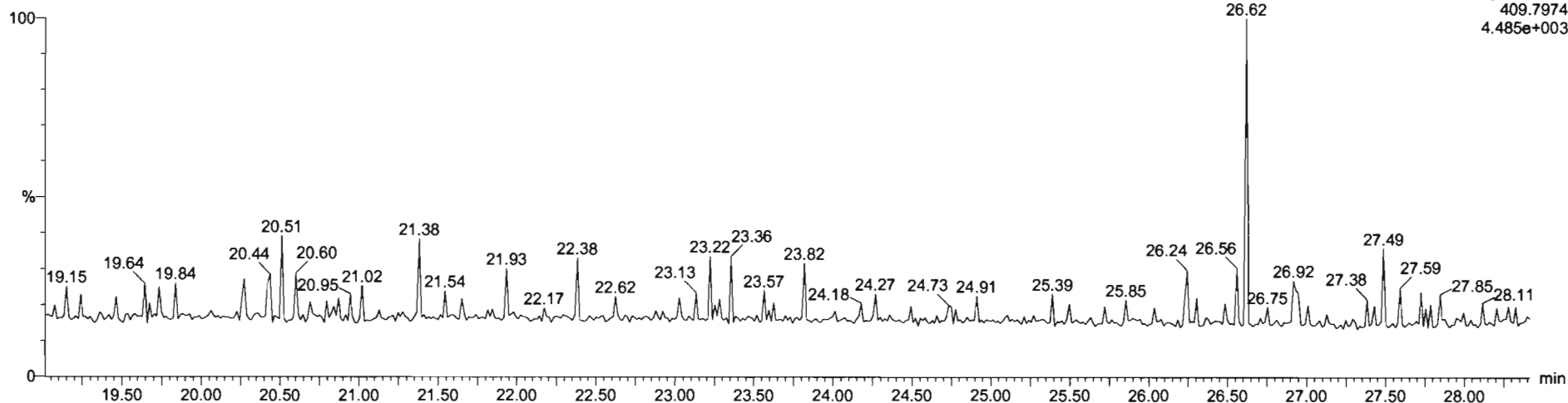


200607R1_4



DPE6

200607R1_4



Dataset: Untitled

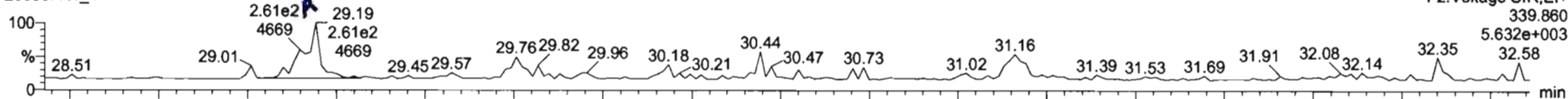
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

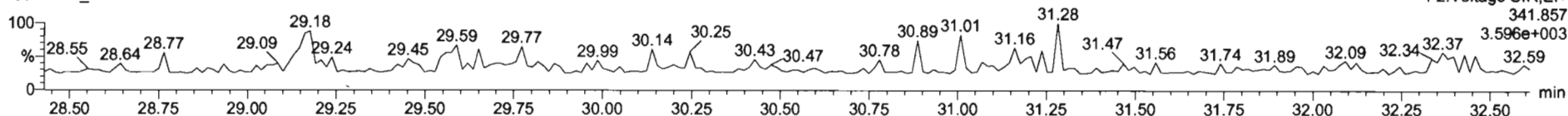
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1,2,3,7,8-PeCDF

200607R1_4

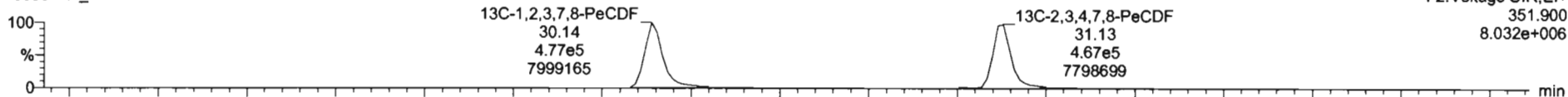


200607R1_4

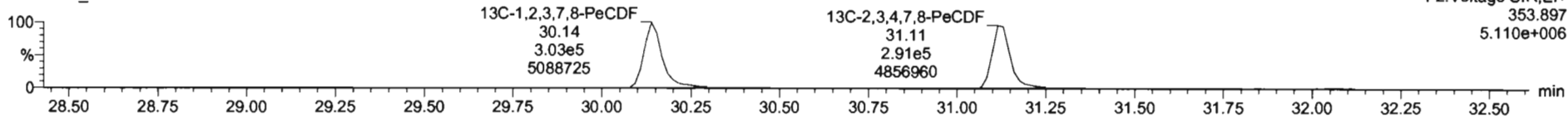


13C-1,2,3,7,8-PeCDF

200607R1_4

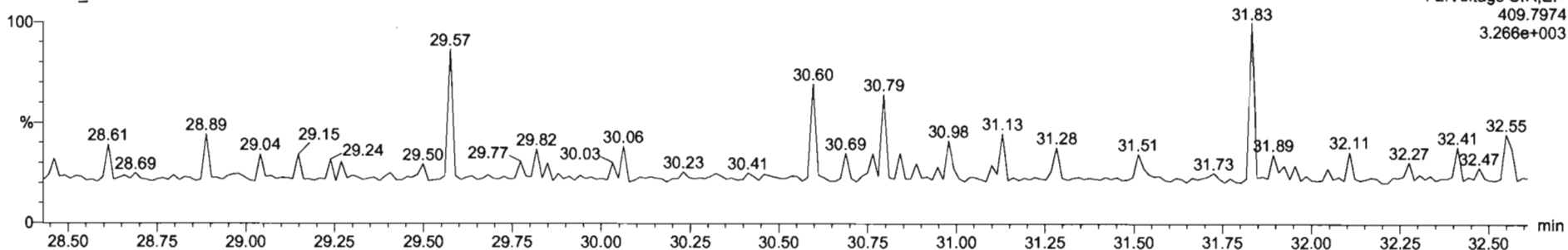


200607R1_4



DPE2

200607R1_4



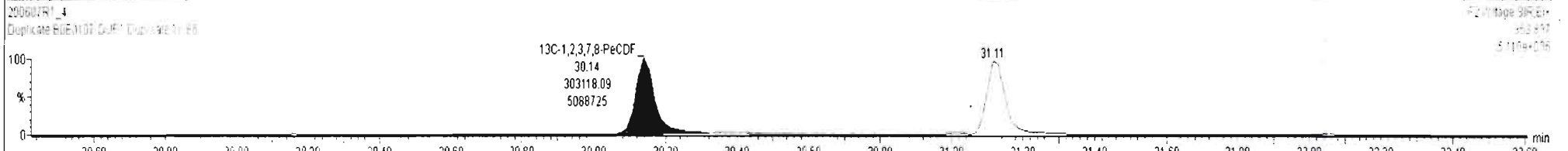
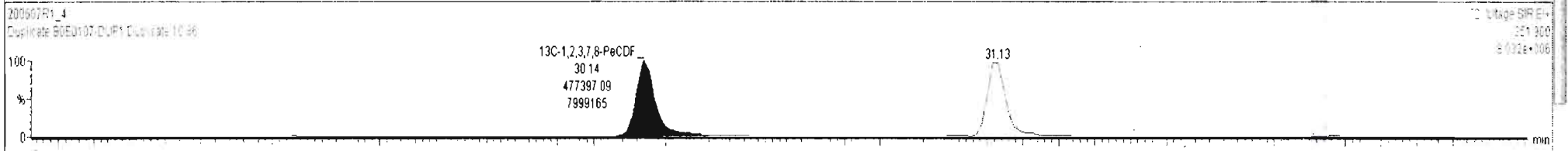
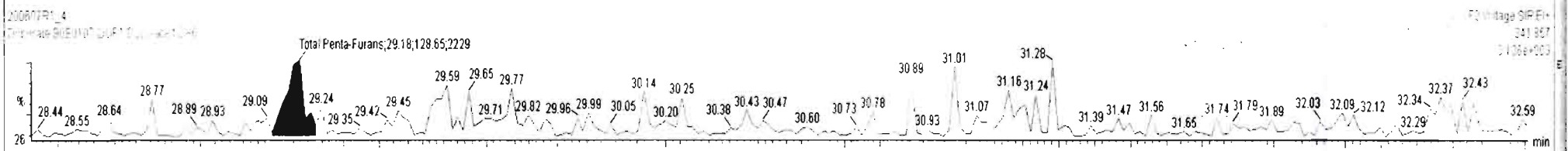
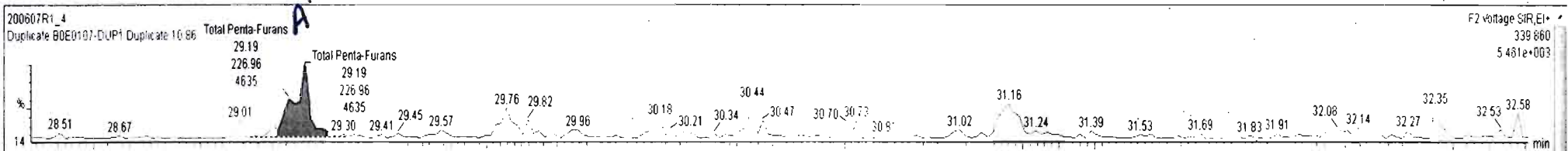
TargetLynx - 200607R1-4* - (Chromatogram)

File Edit View Display Processing Window Help

200607R1-4-BOE1107-DUP1-Duplicate 10-86

Name	Resp	RA	nly	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
44 1st Func. Penta-Furans				0.8925	10.860			0.304		0.0289	0.304
45 Total Penta-Furans				0.8925	10.860			0.0954		0.0262	0.0954
46 Total Hexa-Furans				0.9341	10.860					0.0000	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.19	2.270e2	1.286e2	1.76	NO	0.095379	0.095379



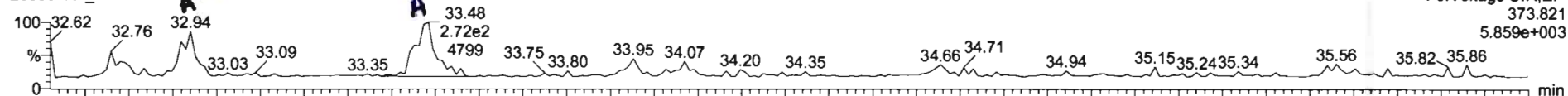
Dataset: Untitled

Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

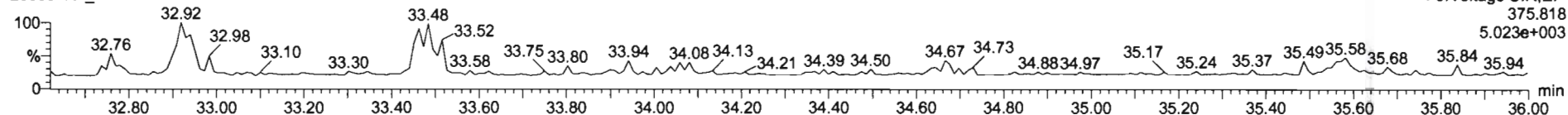
Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

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

200607R1_4

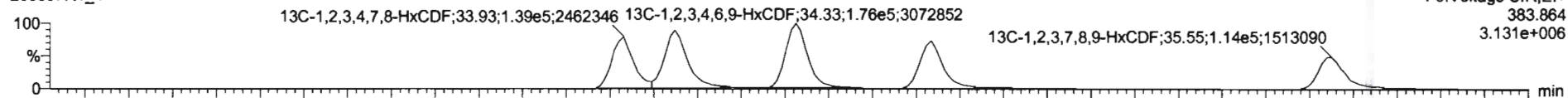


200607R1_4

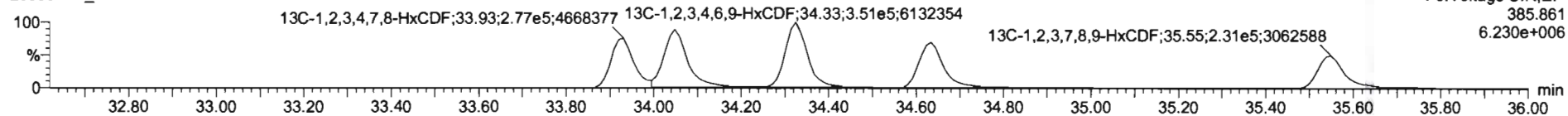


13C-1,2,3,4,7,8-HxCDF

200607R1_4

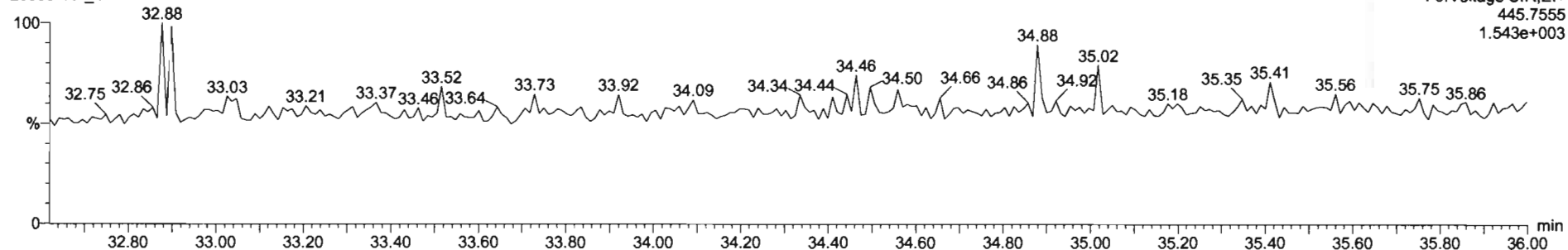


200607R1_4



DPE3

200607R1_4



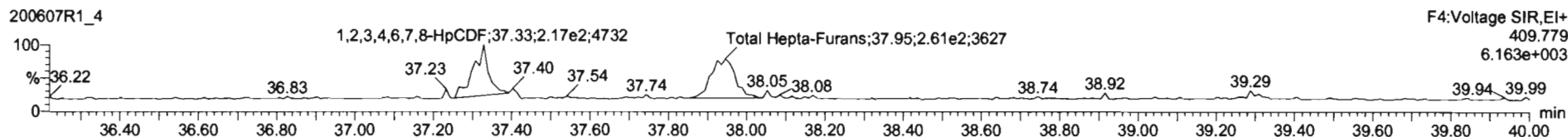
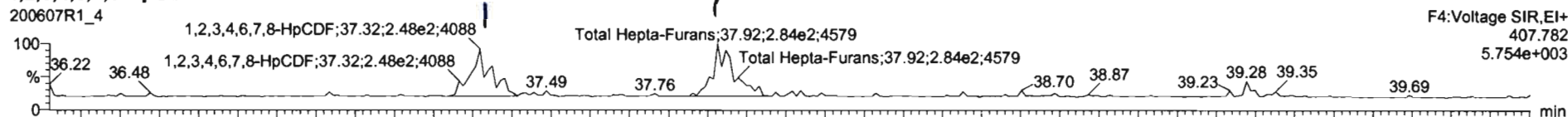
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

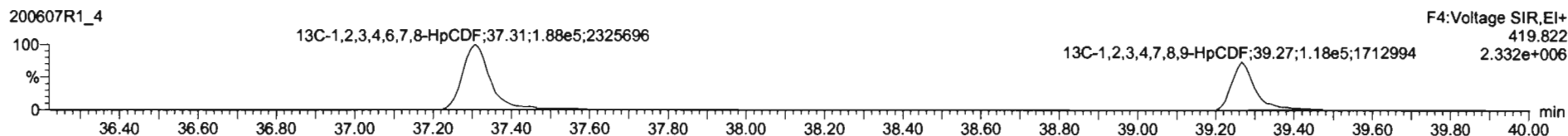
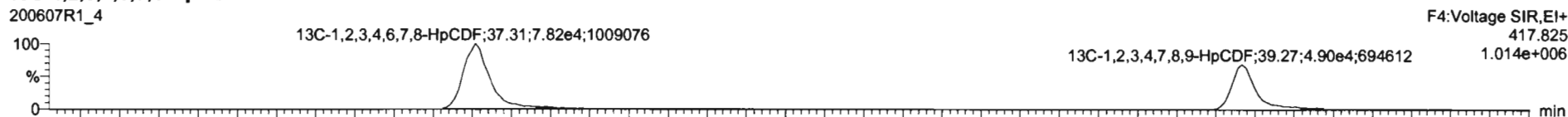
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

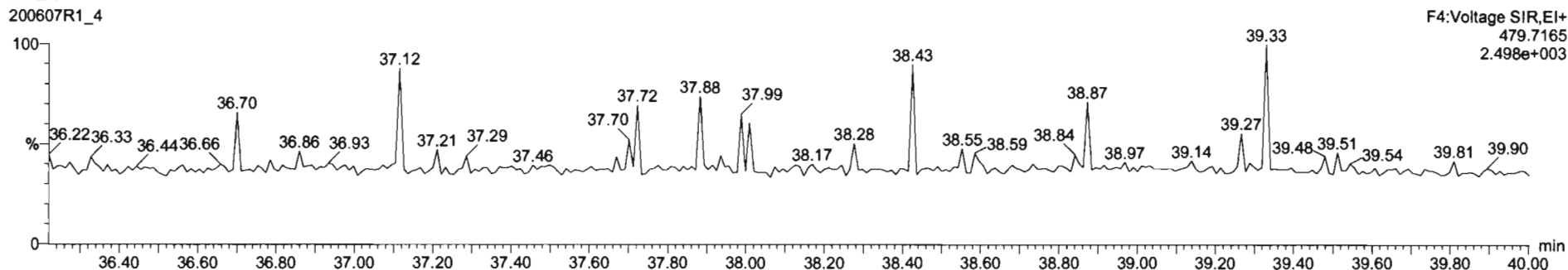
1,2,3,4,6,7,8-HpCDF



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

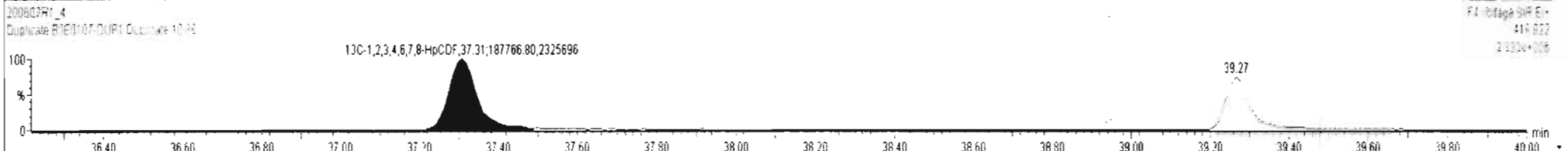
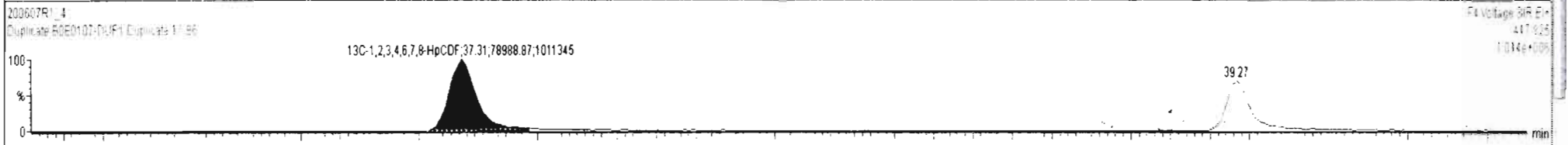
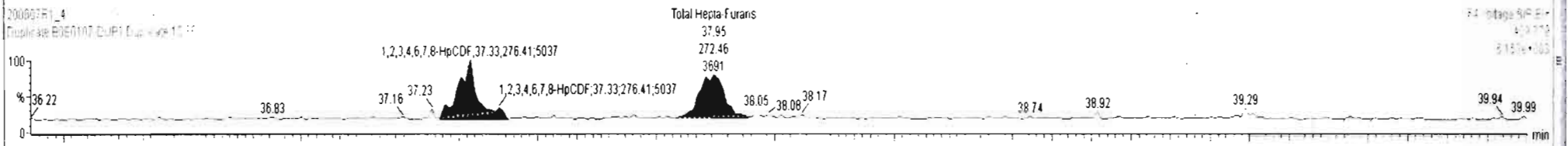
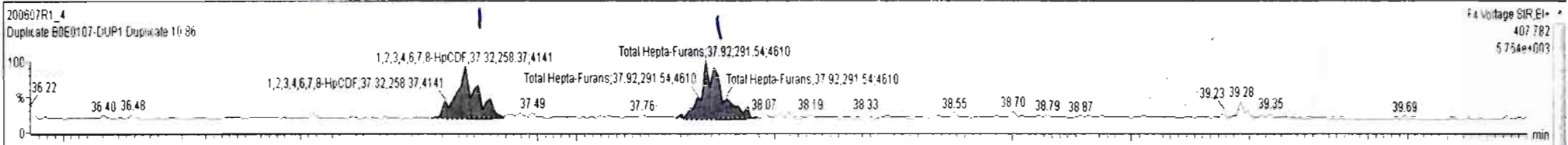


DPE4



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.860			0.219		0.0322	0.355
47 Total Hepta-Furans				0.8734	10.860			0.971		0.164	0.971
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.32	2.584e2	2.764e2	0.93	NO	0.42272	0.42272
2 Total Hepta-Furans	37.92	2.915e2	2.725e2	1.07	NO	0.54855	0.54855



Dataset: Untitled

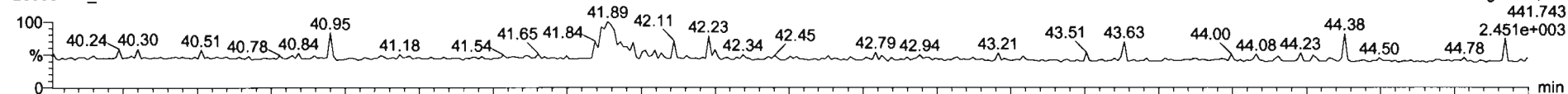
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

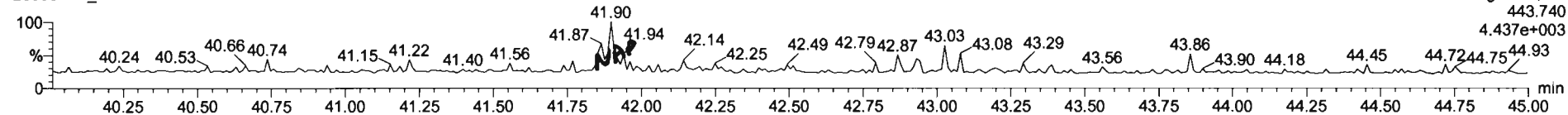
Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

OCDF

200607R1_4

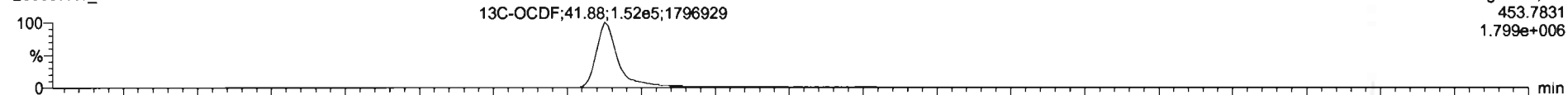


200607R1_4

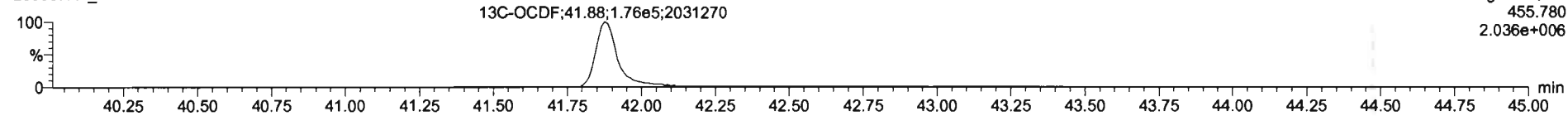


13C-OCDF

200607R1_4

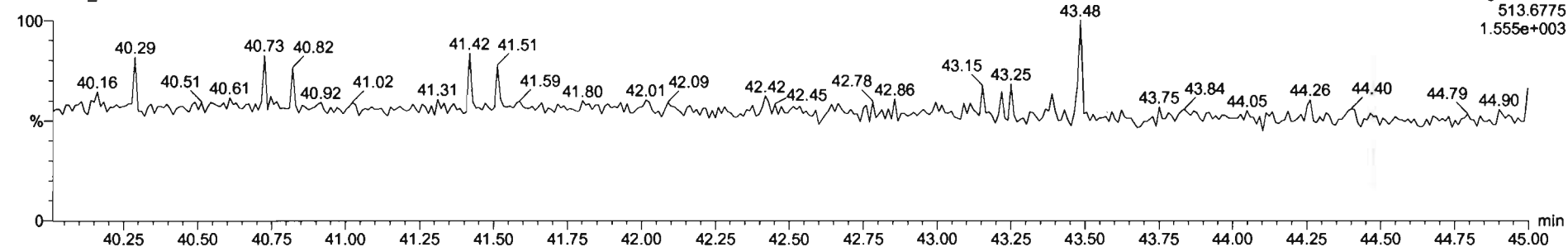


200607R1_4



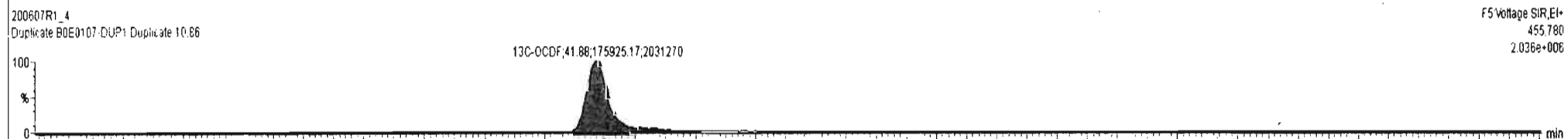
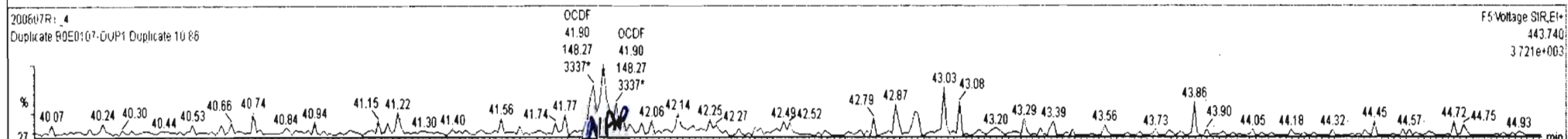
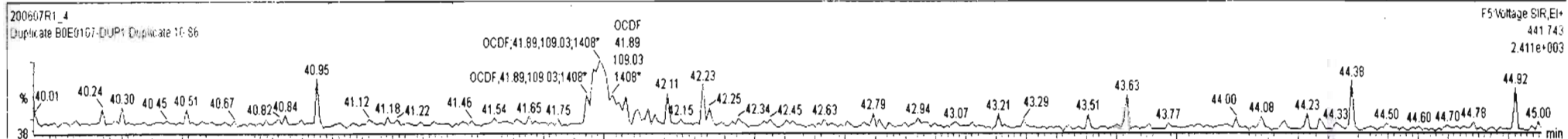
DPE5

200607R1_4



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF	2.57e2	0.74	YES	0.8065	10.860	41.89	1.000	0.358	0.201	0.322
18	13C-2,3,7,8-TCDD	7.17e5	0.77	NO	1.1563	10.860	26.45	1.026	174	94.3	0.258
19	13C-1,2,3,7,8-PeCDD	5.16e5	0.65	NO	0.8490	10.860	31.42	1.218	170	92.5	0.534
20	13C-1,2,3,4,7,8-HxCDD	2.99e5	1.27	NO	0.7790	10.860	34.79	1.014	134	72.5	0.794

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



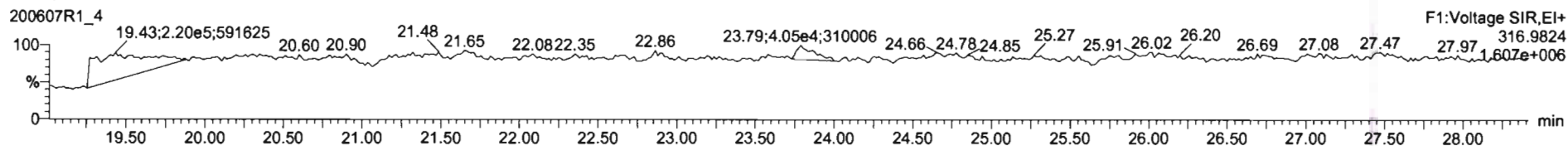
Dataset: Untitled

Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

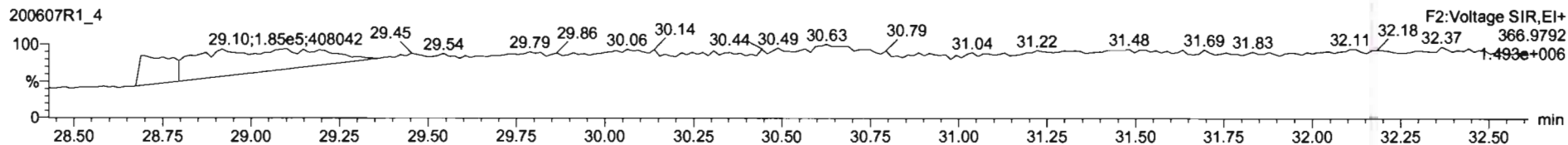
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_4, Date: 07-Jun-2020, Time: 11:01:51, ID: B0E0107-DUP1 Duplicate 10.86, Description: Duplicate

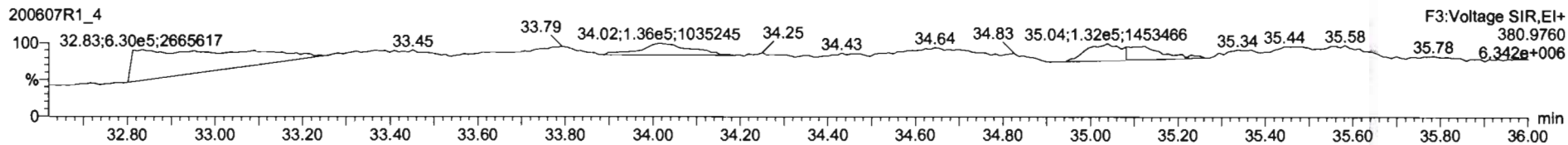
PFK1



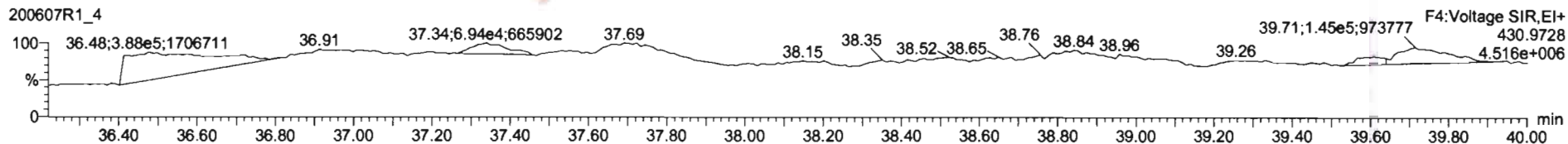
PFK2



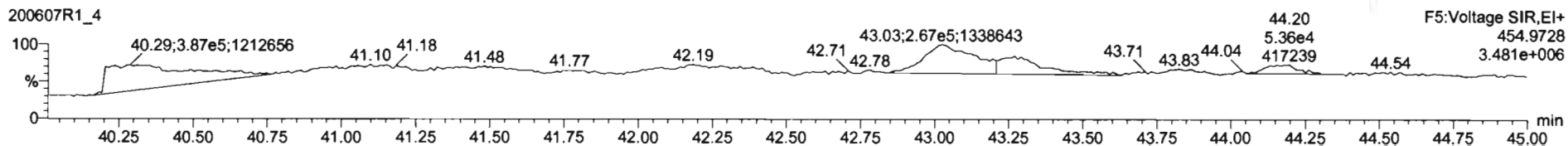
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-5.qld

Last Altered: Monday, June 08, 2020 11:01:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:51:39 Pacific Daylight Time

by 06-08-2020

CT 06/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.038	26.486		1.001				0.0739	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.038	31.457		1.001				0.0639	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.038	34.814		1.000				0.110	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.038	34.911		1.000				0.113	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.038	35.209		1.000				0.145	
6	6 1,2,3,4,6,7,8-HpCDD	1.14e3	1.32	YES	0.864	10.038	38.735	38.74	1.000	1.001	1.0369		0.308	0.913
7	7 OCDD	1.25e4	0.92	NO	0.914	10.038	41.727	41.74	1.000	1.000	14.832		0.345	14.8
8	8 2,3,7,8-TCDF			NO	0.751	10.038	25.596		1.001				0.0519	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.038	30.175		1.001				0.0581	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.038	31.161		1.001				0.0521	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.038	33.931		1.000				0.0573	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.038	34.058		1.000				0.0526	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.038	34.669		1.001				0.0597	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.038	35.550		1.000				0.0985	
15	15 1,2,3,4,6,7,8-HpCDF	6.49e2	0.85	YES	0.873	10.038	37.355	37.35	1.001	1.001	0.48922		0.137	0.442
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.038	39.278		1.000				0.148	
17	17 OCDF	3.69e2	0.80	NO	0.806	10.038	41.908	41.94	1.000	1.001	0.41968		0.167	0.420
18	18 13C-2,3,7,8-TCDD	7.86e5	0.80	NO	1.16	10.038	26.476	26.45	1.026	1.026	195.11	97.9	0.259	
19	19 13C-1,2,3,7,8-PeCDD	5.63e5	0.61	NO	0.849	10.038	31.656	31.43	1.227	1.219	190.30	95.5	0.579	
20	20 13C-1,2,3,4,7,8-HxCDD	3.39e5	1.28	NO	0.779	10.038	34.819	34.80	1.014	1.014	156.10	78.3	0.670	
21	21 13C-1,2,3,6,7,8-HxCDD	4.56e5	1.27	NO	1.02	10.038	34.932	34.91	1.017	1.017	160.82	80.7	0.513	
22	22 13C-1,2,3,7,8,9-HxCDD	3.65e5	1.28	NO	0.903	10.038	35.204	35.20	1.025	1.025	145.05	72.8	0.578	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.53e5	1.03	NO	0.689	10.038	38.726	38.72	1.128	1.128	131.71	66.1	0.714	
24	24 13C-OCDD	3.67e5	0.88	NO	0.652	10.038	41.748	41.73	1.216	1.215	201.72	50.6	0.723	
25	25 13C-2,3,7,8-TCDF	1.01e6	0.76	NO	1.06	10.038	25.519	25.57	0.989	0.991	187.01	93.9	0.384	
26	26 13C-1,2,3,7,8-PeCDF	8.39e5	1.59	NO	0.838	10.038	30.041	30.15	1.165	1.169	196.71	98.7	0.908	
27	27 13C-2,3,4,7,8-PeCDF	8.13e5	1.60	NO	0.817	10.038	30.993	31.13	1.202	1.207	195.59	98.2	0.932	
28	28 13C-1,2,3,4,7,8-HxCDF	4.56e5	0.50	NO	1.01	10.038	33.950	33.93	0.989	0.988	162.30	81.5	0.810	
29	29 13C-1,2,3,6,7,8-HxCDF	5.73e5	0.51	NO	1.17	10.038	34.074	34.05	0.992	0.992	176.27	88.5	0.700	
30	30 13C-2,3,4,6,7,8-HxCDF	4.82e5	0.51	NO	1.02	10.038	34.647	34.63	1.009	1.009	169.22	84.9	0.799	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-5.qld

Last Altered: Monday, June 08, 2020 11:01:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:51:39 Pacific Daylight Time

Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.63e5	0.50	NO	0.860	10.038	35.547	35.55	1.035	1.035	151.67	76.1	0.950	
32	13C-1,2,3,4,6,7,8-HpCDF	3.02e5	0.44	NO	0.774	10.038	37.295	37.32	1.086	1.087	140.10	70.3	0.621	
33	13C-1,2,3,4,7,8,9-HpCDF	2.08e5	0.41	NO	0.521	10.038	39.324	39.28	1.145	1.144	142.94	71.7	0.923	
34	13C-OCDF	4.35e5	0.86	NO	0.746	10.038	41.920	41.91	1.221	1.221	209.23	52.5	0.608	
35	37Cl-2,3,7,8-TCDD	2.75e5			1.04	10.038	26.507	26.48	1.028	1.027	76.122	95.5	0.0802	
36	13C-1,2,3,4-TCDD	6.94e5	0.81	NO	1.00	10.038	25.890	25.80	1.000	1.000	199.25	100	0.299	
37	13C-1,2,3,4-TCDF	1.01e6	0.79	NO	1.00	10.038	24.360	24.12	1.000	1.000	199.25	100	0.407	
38	13C-1,2,3,4,6,9-HxCDF	5.55e5	0.51	NO	1.00	10.038	34.420	34.33	1.000	1.000	199.25	100	0.816	
39	Total Tetra-Dioxins				0.888	10.038	24.620		0.000				0.0456	
40	Total Penta-Dioxins				0.908	10.038	29.960		0.000		0.00000		0.0269	0.0580
41	Total Hexa-Dioxins				0.892	10.038	33.635		0.000		0.00000		0.0695	0.428
42	Total Hepta-Dioxins				0.864	10.038	37.640		0.000		1.7355		0.308	2.65
43	Total Tetra-Furans				0.751	10.038	23.610		0.000				0.0229	
44	1st Func. Penta-Furans				0.893	10.038	27.580		0.000		0.00000		0.00742	0.221
45	Total Penta-Furans				0.893	10.038	29.275		0.000		0.00000		0.0258	0.0480
46	Total Hexa-Furans				0.934	10.038	33.555		0.000		0.15907		0.0303	0.357
47	Total Hepta-Furans				0.873	10.038	37.835		0.000		0.00000		0.0740	0.938

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-5.qld

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Printed: Monday, June 08, 2020 16:51:39 Pacific Daylight Time

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Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

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	29.57	1.251e3	2.759e3	5.759e1	1.386e2	0.42	YES	0.000e0	0.00000	0.058000	0.0269

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	33.30	5.469e3	5.079e3	2.677e2	2.643e2	1.01	YES	0.000e0	0.00000	0.27900	0.127
2	Total Hexa-Dioxins	34.13	5.608e3	2.161e3	2.358e2	1.151e2	2.05	YES	0.000e0	0.00000	0.14900	0.127

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.71	1.263e4	1.252e4	9.231e2	9.806e2	0.94	NO	1.904e3	1.7355	1.7350	0.308
2	1,2,3,4,6,7,8-HpCDD	38.74	8.301e3	8.845e3	6.467e2	4.908e2	1.32	YES	1.137e3	0.00000	0.91300	0.308

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	1st Func. Penta-Furans	27.58	1.082e4	5.126e3	5.818e2	3.202e2	1.82	YES	0.000e0	0.00000	0.22100	0.0226

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-5.qld

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Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.18	2.637e3	2.673e3	1.075e2	9.420e1	1.14	YES	0.000e0	0.00000	0.048000	0.0258

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.93	5.252e3	2.989e3	1.814e2	1.681e2	1.08	NO	3.495e2	0.15907	0.15900	0.0303
2	Total Hexa-Furans	33.47	5.701e3	4.120e3	3.076e2	1.945e2	1.58	YES	0.000e0	0.00000	0.19800	0.0303

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	37.35	4.158e3	6.312e3	2.985e2	3.500e2	0.85	YES	6.485e2	0.00000	0.44200	0.137
2	Total Hepta-Furans	37.95	5.031e3	4.824e3	2.831e2	3.546e2	0.80	YES	0.000e0	0.00000	0.49700	0.151

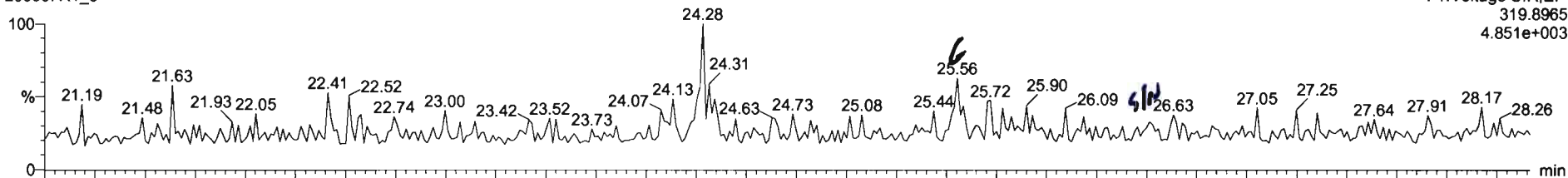
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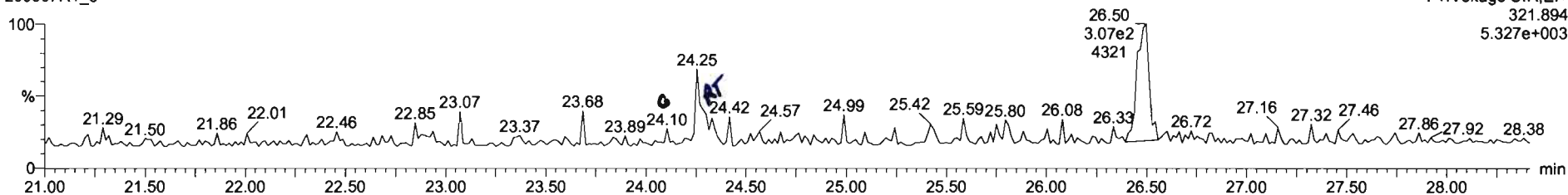
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2,3,7,8-TCDD

200607R1_5

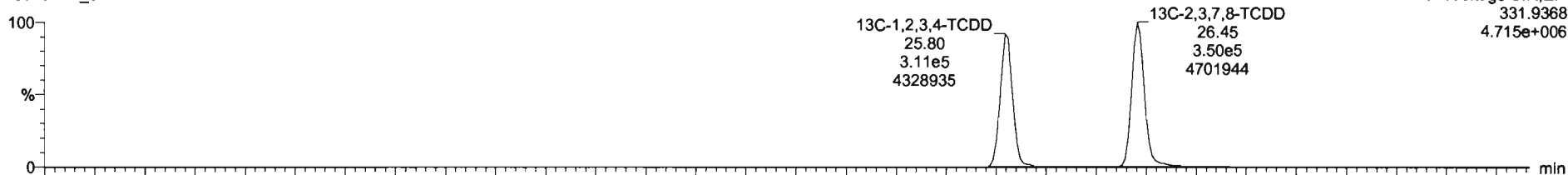


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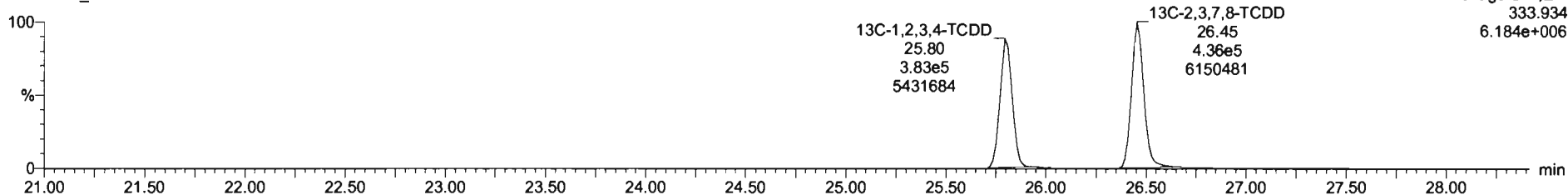


13C-2,3,7,8-TCDD

200607R1_5



200607R1_5



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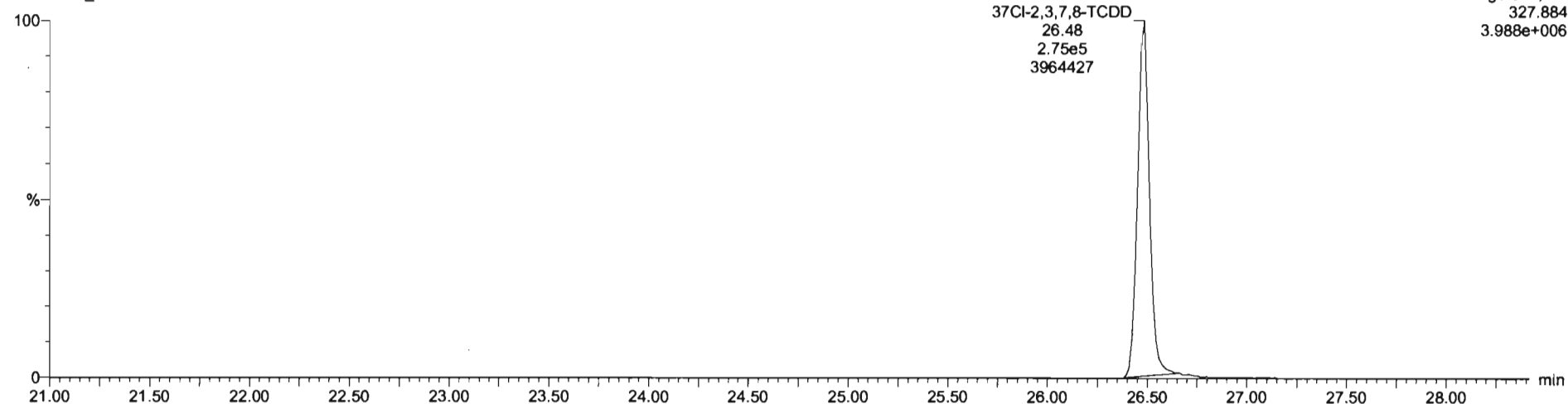
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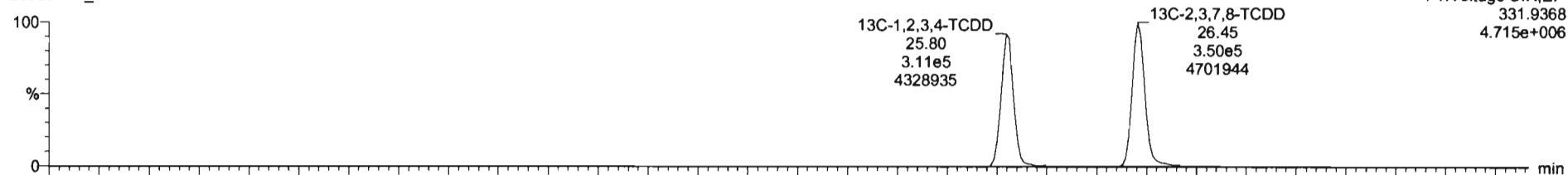
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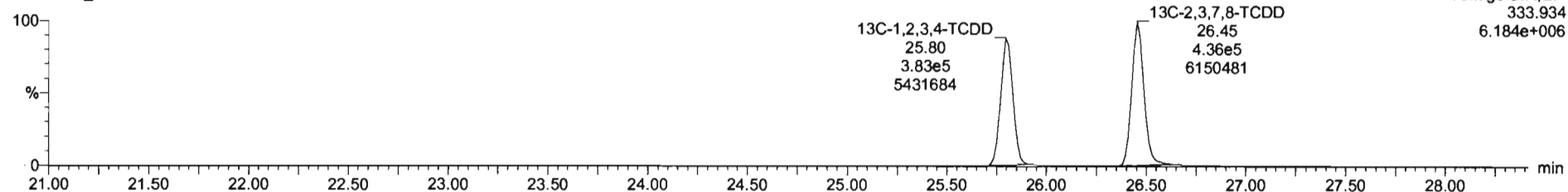


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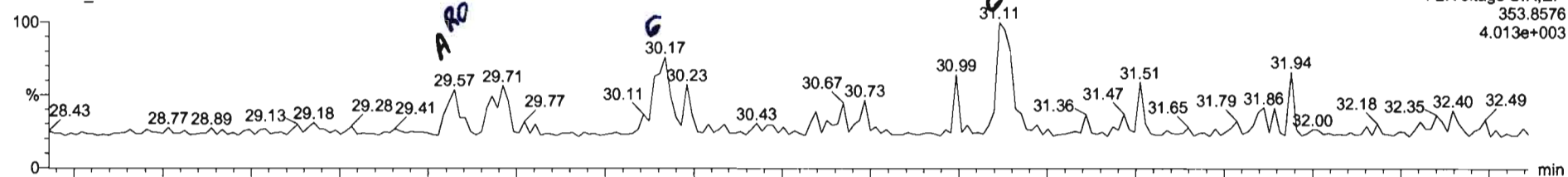
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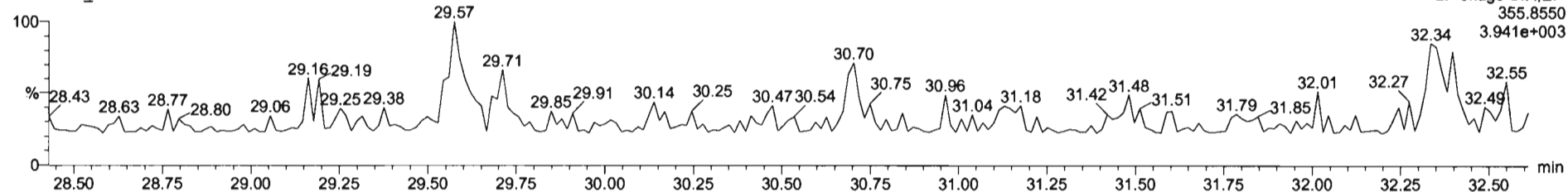
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1,2,3,7,8-PeCDD

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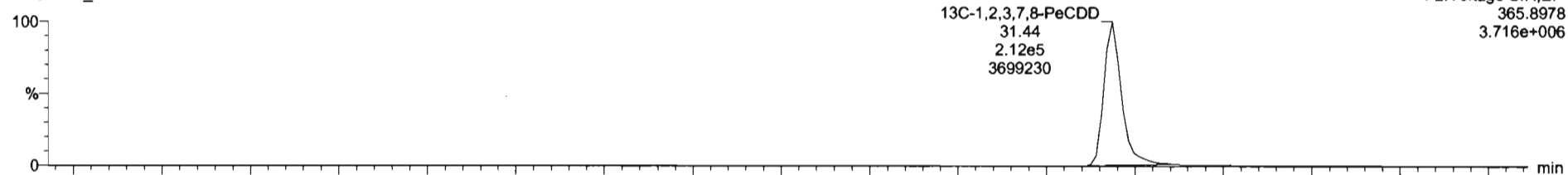


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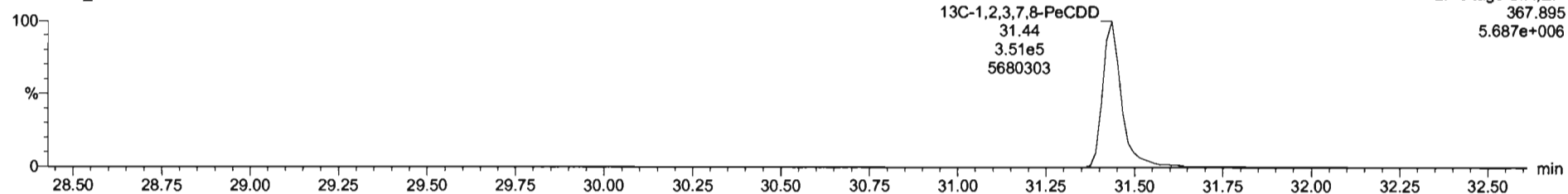


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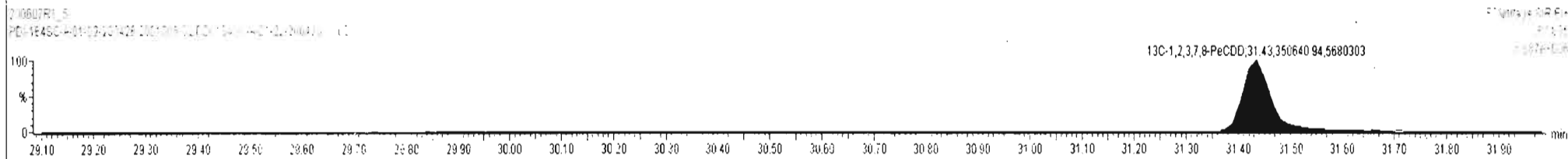
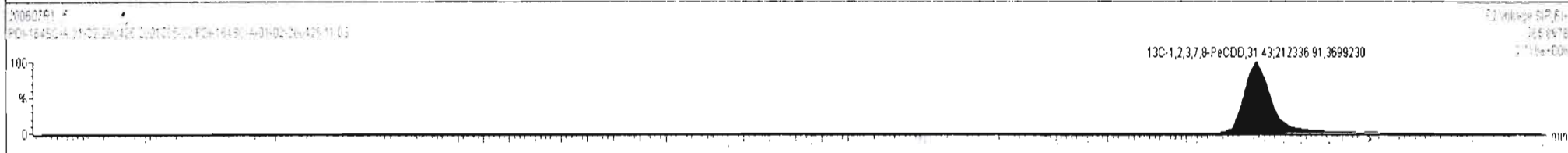
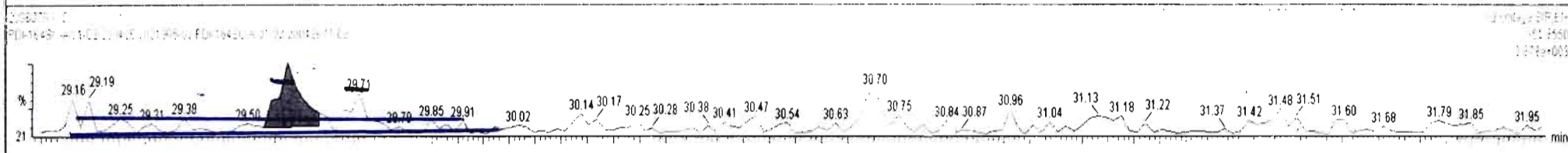
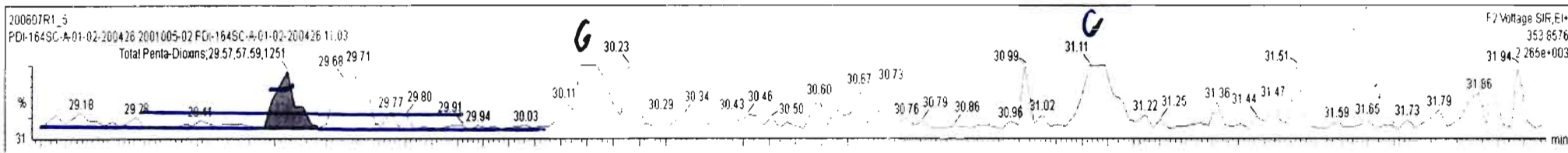


200607R1_5



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.038					0.0456	
40 Total Penta-Dioxins				0.9081	10.038			0.000		0.0269	0.0581
41 Total Hexa-Dioxins				0.8923	10.038			0.000		0.0695	0.297
42 Total Hepta-Dioxins				0.8678	10.038			1.671		0.313	7.54

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.57	5.759e1	1.386e2	0.42	YES	0.058072	0.00000



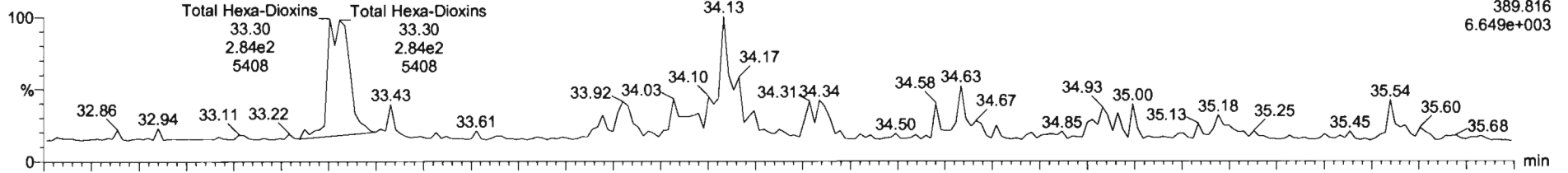
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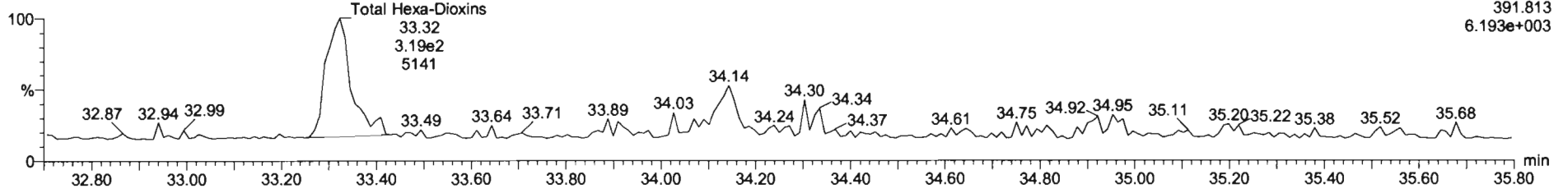
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1,2,3,4,7,8-HxCDD

200607R1_5

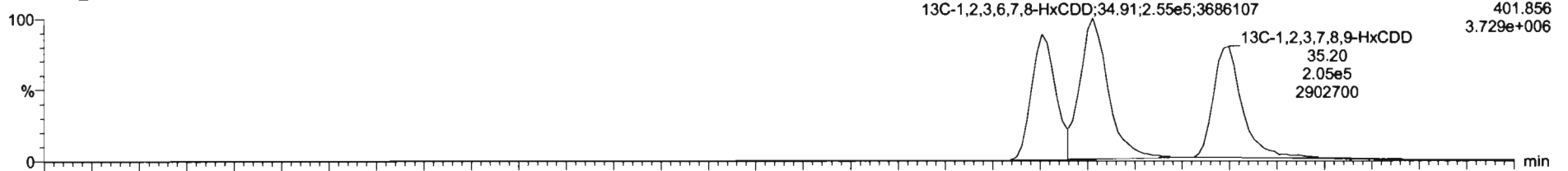


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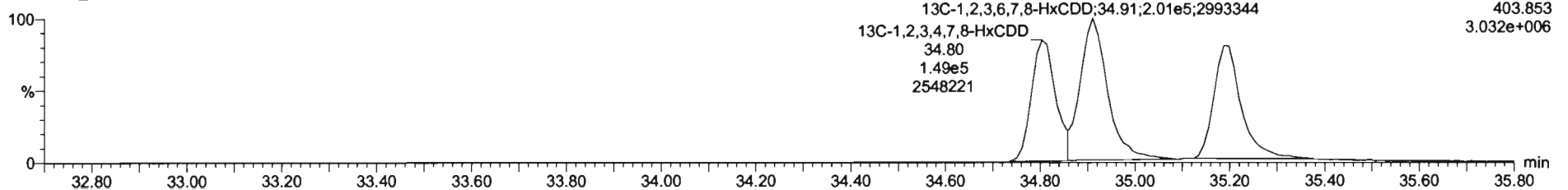


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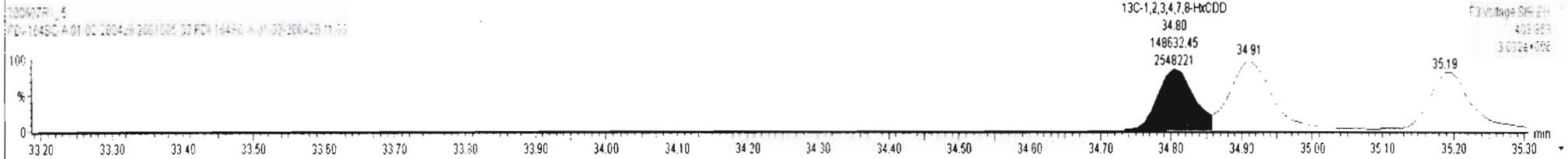
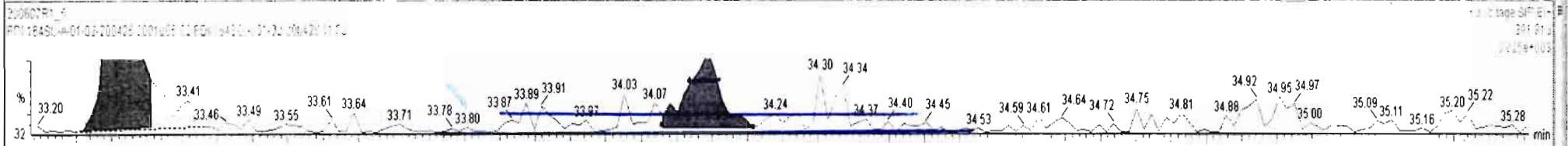
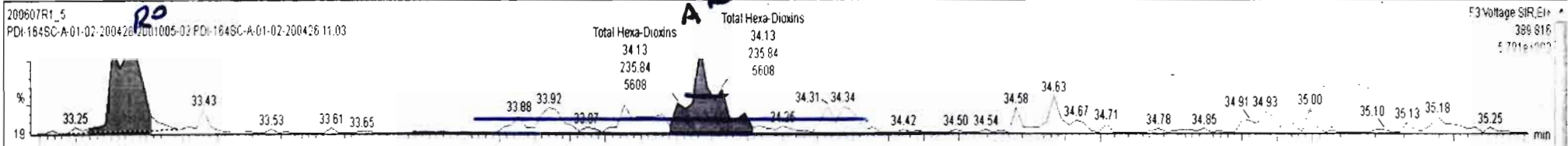
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200607R1_5 - 2001005-02.PDI-164SC-A-01-02-200426 11.03 - PDI-164SC-A-01-02-200426

Name	Resp	RA	nLy	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.038					0.0456	
40 Total Penta-Dioxins				0.9081	10.038			0.000		0.0269	0.0581
41 Total Hexa-Dioxins				0.8923	10.038			0.000		0.0695	0.428
42 Total Hexa-Dioxins				0.8639	10.038			1.67		0.313	2.54

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Hexa-Dioxins	33.30	2.677e2	2.643e2	1.01	YES	0.27936	0.00000
2 Total Hexa-Dioxins	34.13	2.358e2	1.151e2	2.05	YES	0.14898	0.00000



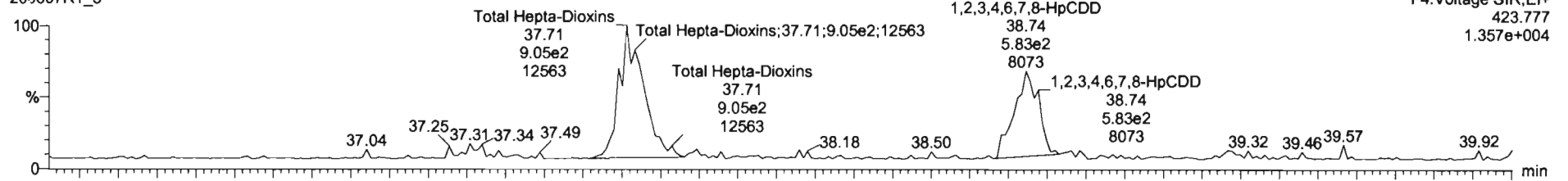
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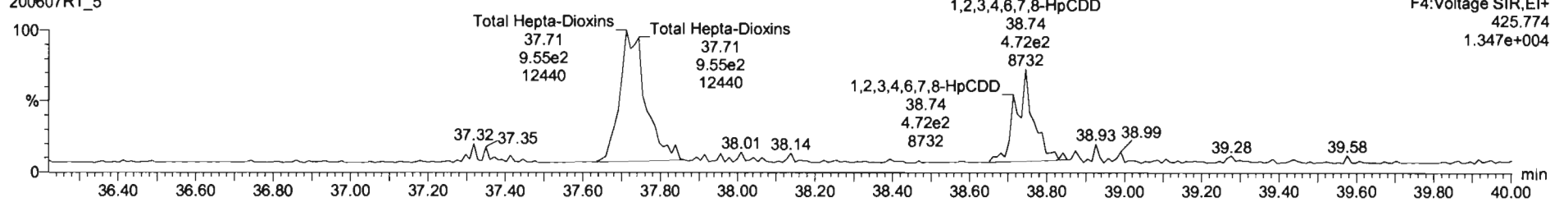
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1,2,3,4,6,7,8-HpCDD

200607R1_5

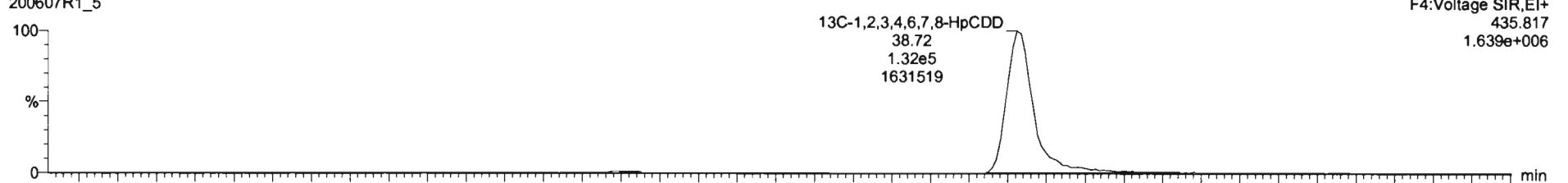


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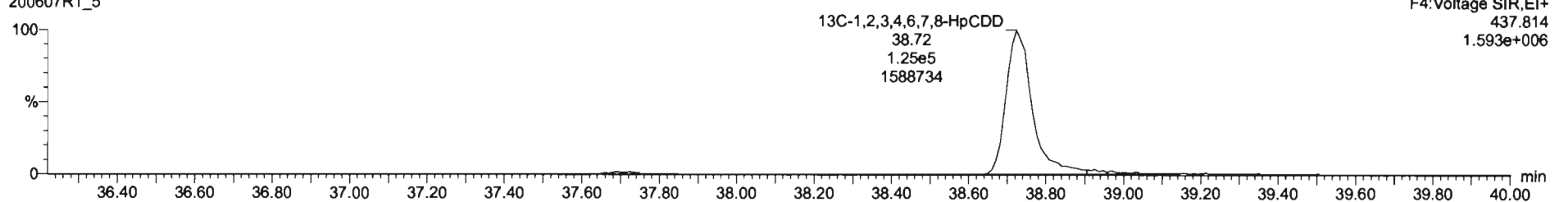


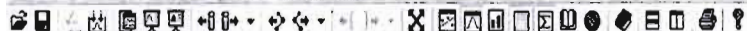
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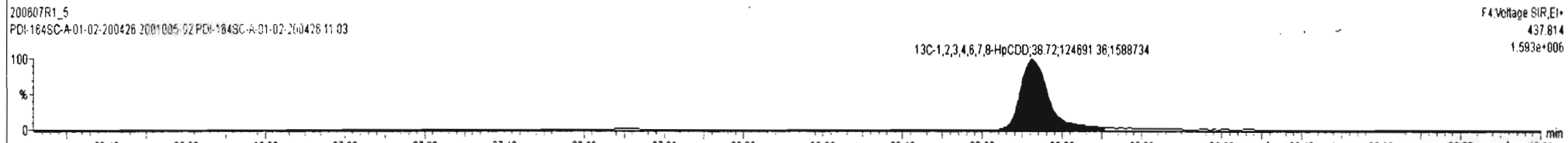
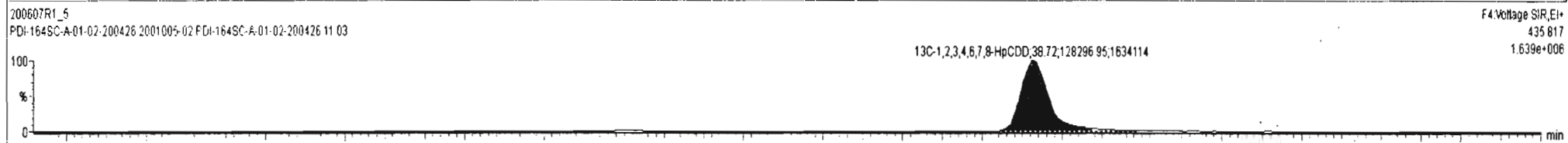
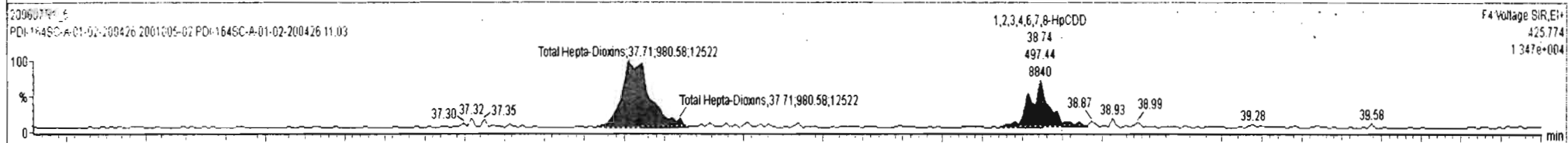
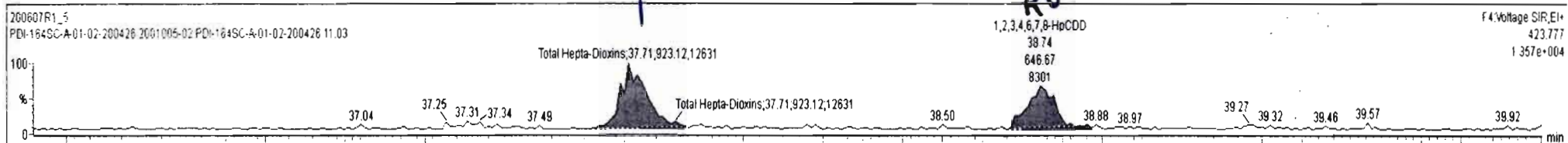
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Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec.	DL	EMPC
39	Total Tetra-Dioxins			0.8883	10.038					0.0456	
40	Total Penta-Dioxins			0.9081	10.038			0.000		0.0269	0.0581
41	Total Hexa-Dioxins			0.8923	10.038			0.000		0.0695	0.426
42	Total Hepta-Dioxins			0.8638	10.038			1.74		0.308	2.68

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hepta-Dioxins	37.71	9.231e2	9.806e2	0.94	NO	1.7355
2	1,2,3,4,6,7,8-HpCDD	38.74	6.467e2	4.974e2	1.30	YES	0.92512

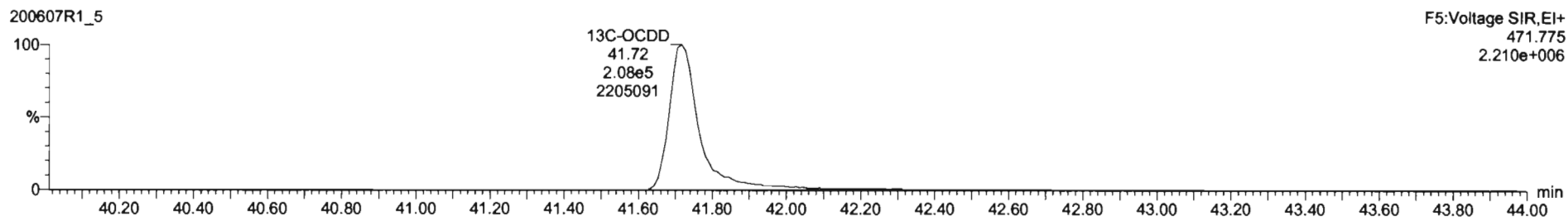
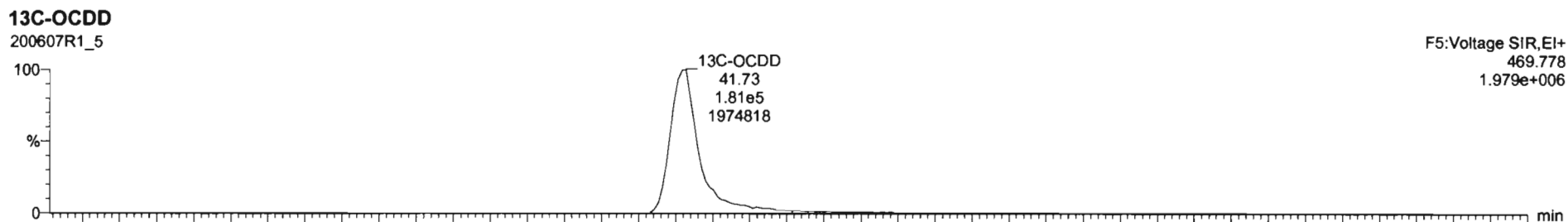
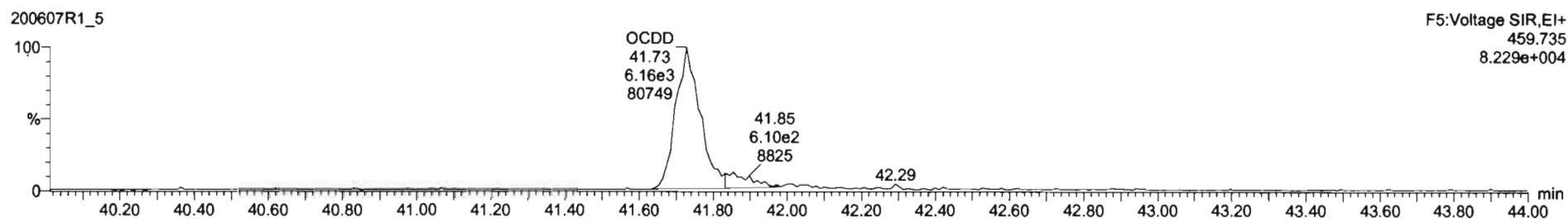
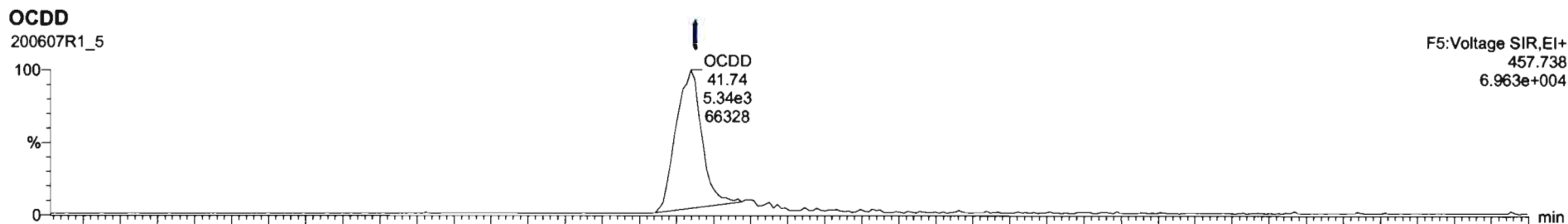


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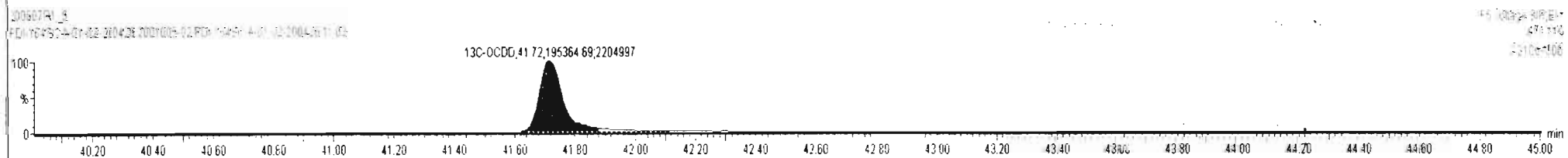
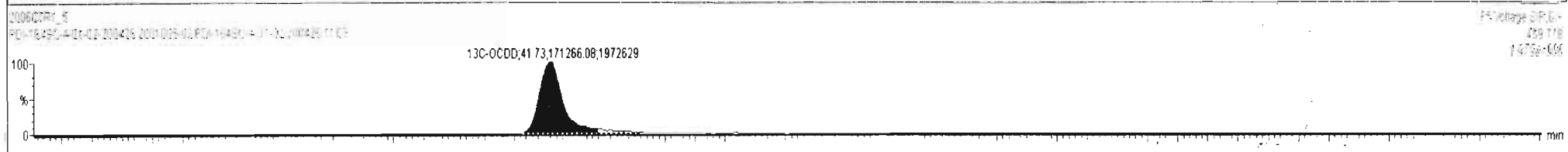
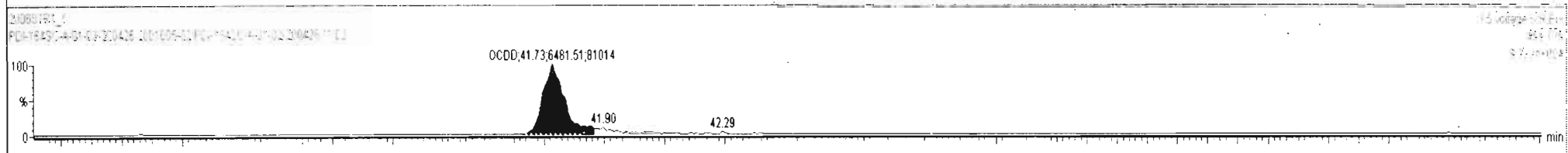
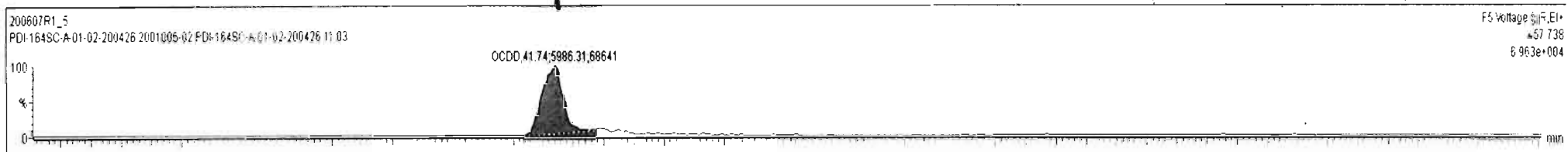
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#	Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	1.25e4	0.82	NO	0.9136	10.038	41.74	1.000	14.8		0.345	14.8
8	2,3,7,8-TCDF			NO	0.7510	10.038					0.0519	
9	1,2,3,7,8-PeCDF			NO	0.8925	10.038					0.0581	
10	2,3,4,7,8-PeCDF			NO	0.8348	10.038					0.0621	

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

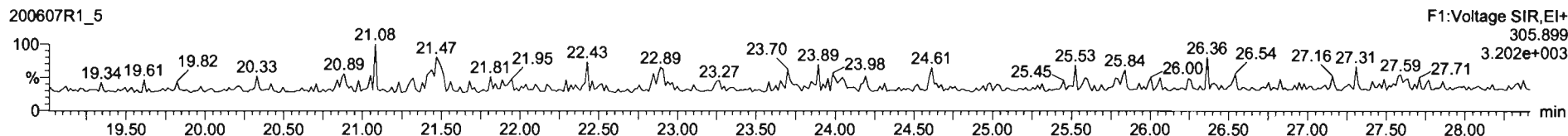
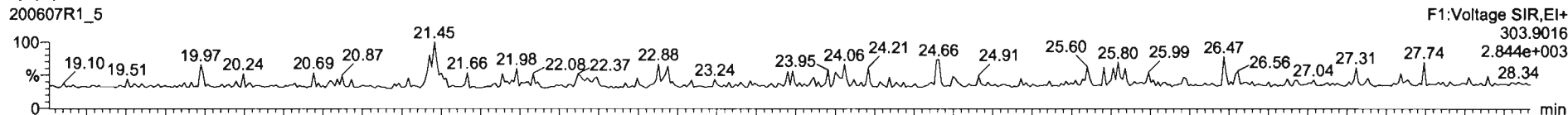


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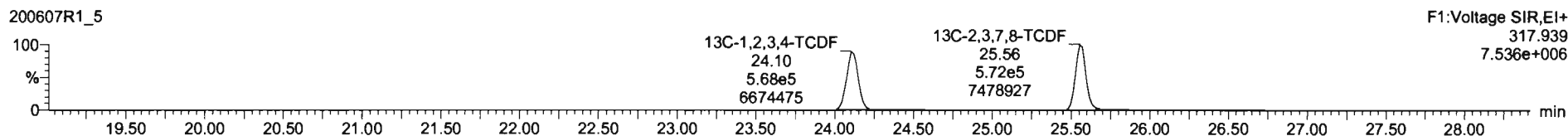
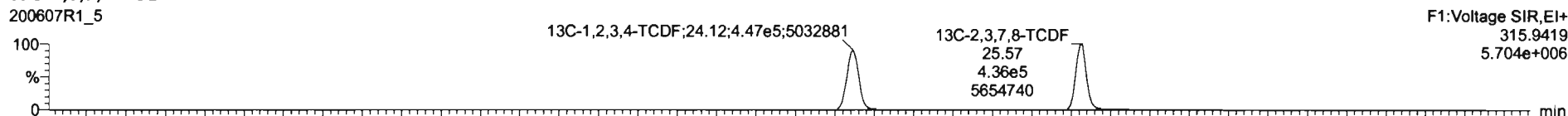
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

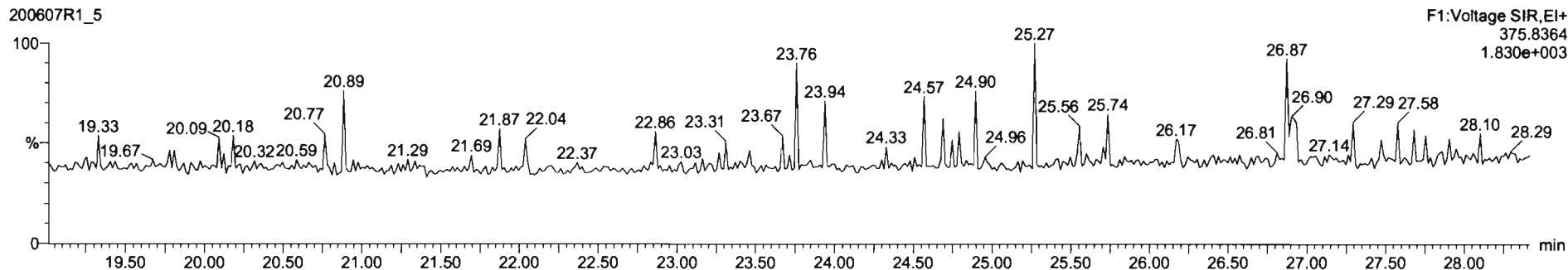
2,3,7,8-TCDF



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



DPE1



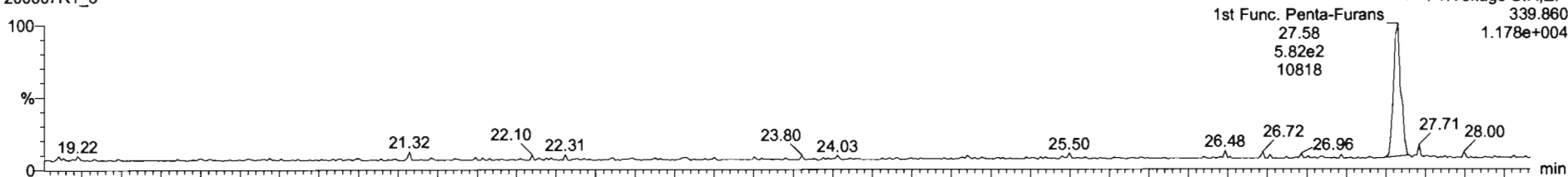
Dataset: Untitled

Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

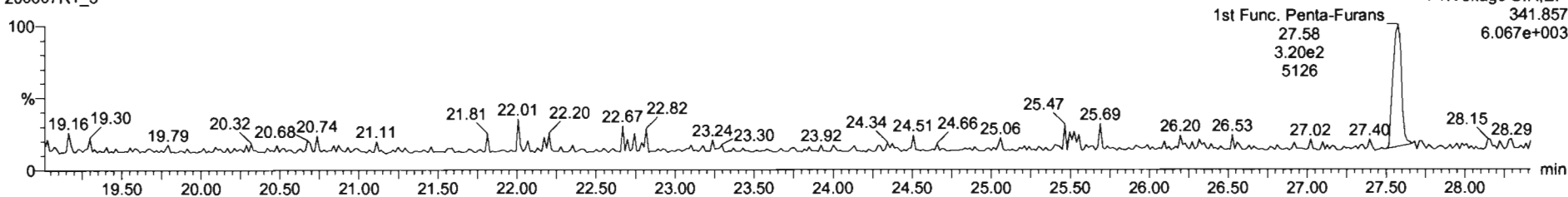
1st Func. Penta-Furans

200607R1_5



RA
F1: Voltage SIR, EI+
339.860
1.178e+004

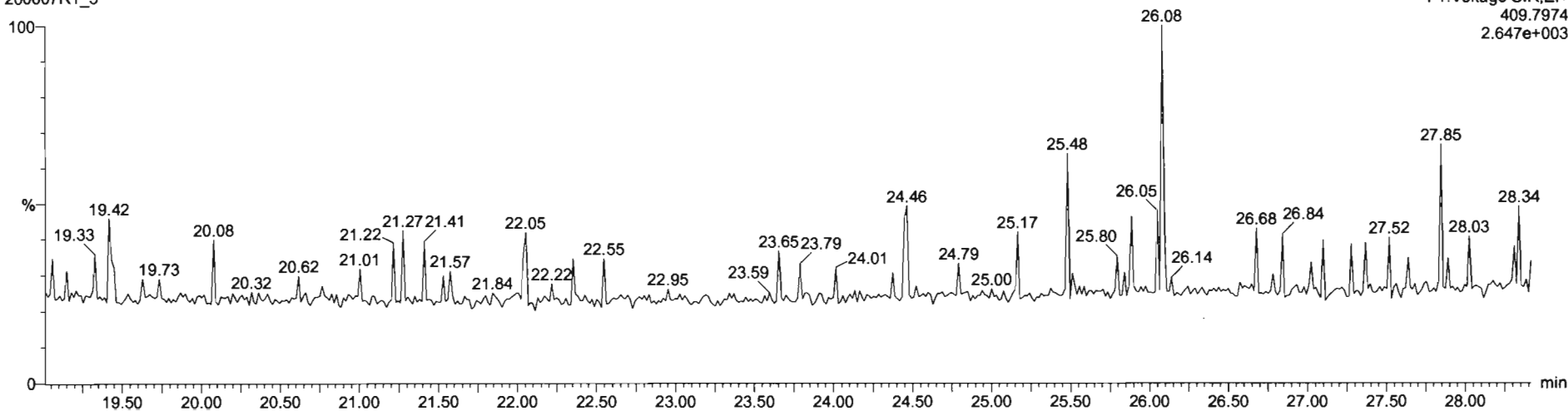
200607R1_5



F1: Voltage SIR, EI+
341.857
6.067e+003

DPE6

200607R1_5



F1: Voltage SIR, EI+
409.7974
2.647e+003

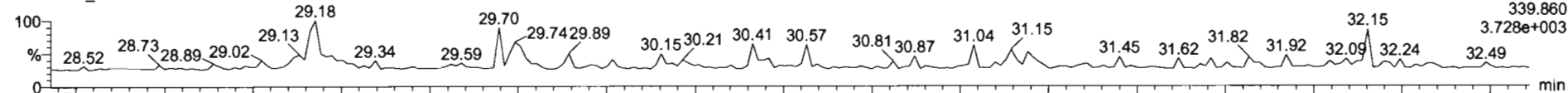
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

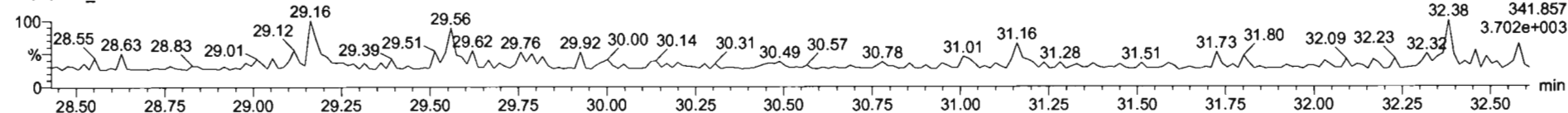
Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

1,2,3,7,8-PeCDF

200607R1_5

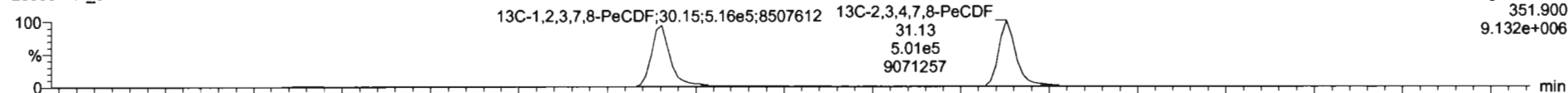


200607R1_5

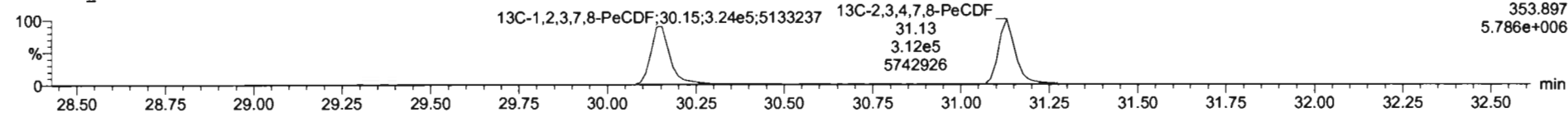


13C-1,2,3,7,8-PeCDF

200607R1_5

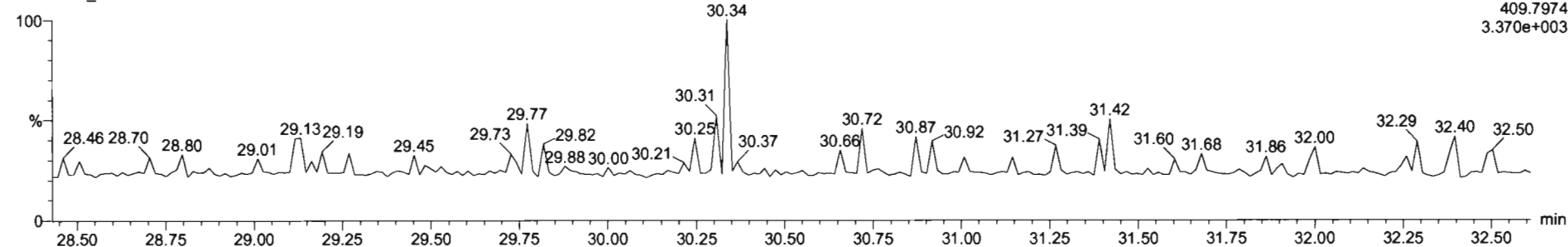


200607R1_5



DPE2

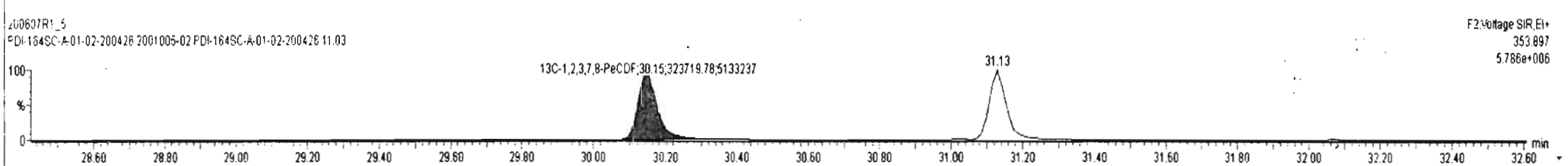
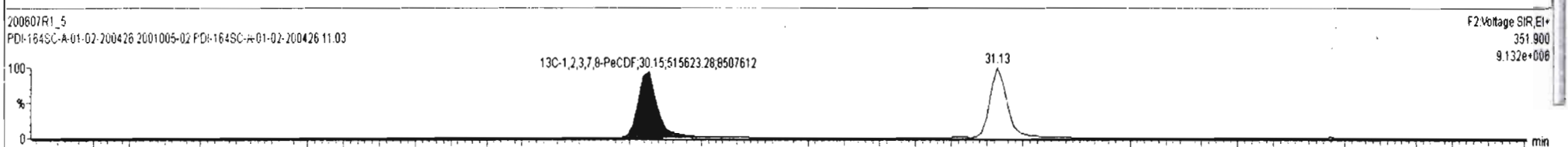
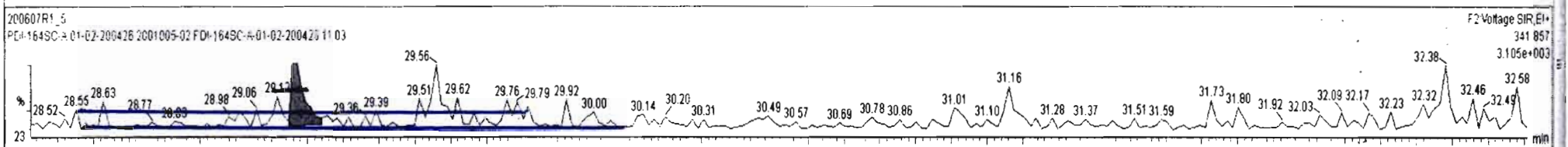
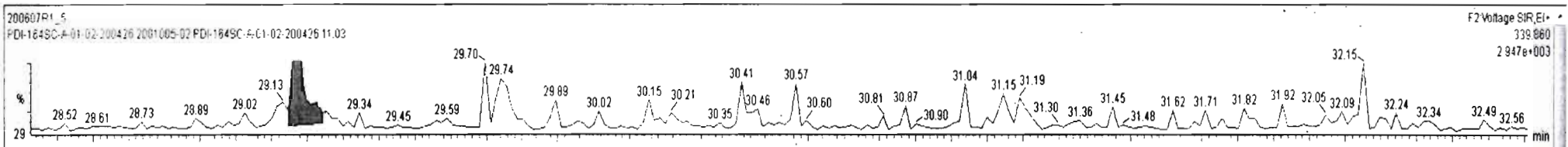
200607R1_5



200607R1_5 - 2001005-02 FDI-164SC-A-01-02-200426 11.03 - FDI-164SC-A-01-02-200426

Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.038					0.0229	
44 1st Func. Penta-Furans				0.8925	10.038			0.000		0.00742	0.221
45 Total Penta-Furans				0.8925	10.038			0.000		0.0258	0.0478
46 Total Hexa-Furans				0.9341	10.038					0.0303	

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Penta-Furans	29.18	1.075e2	9.420e1	1.14	YES	0.047762	0.00000

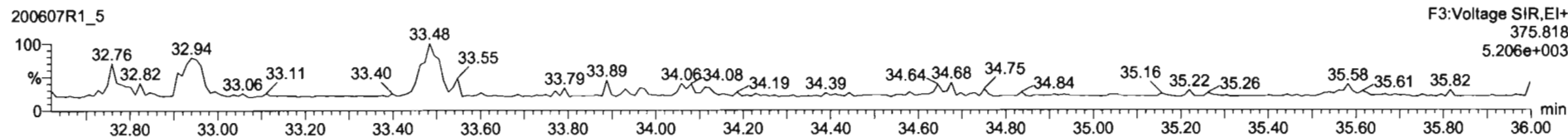
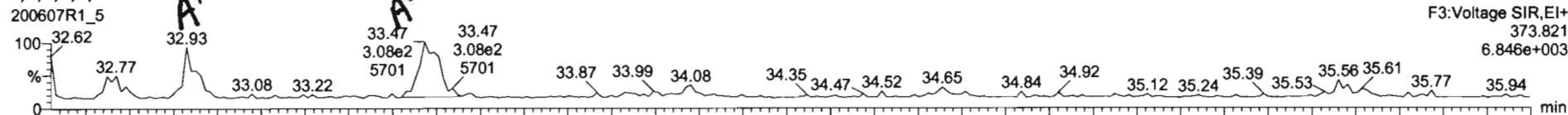


Dataset: Untitled

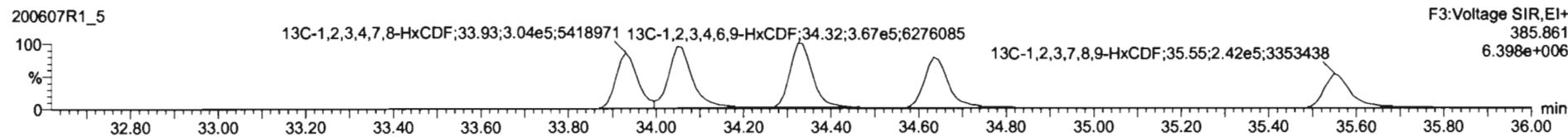
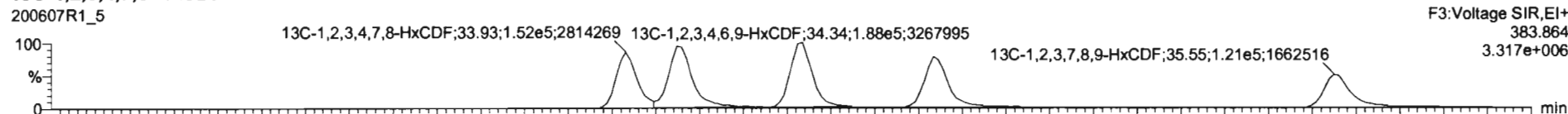
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

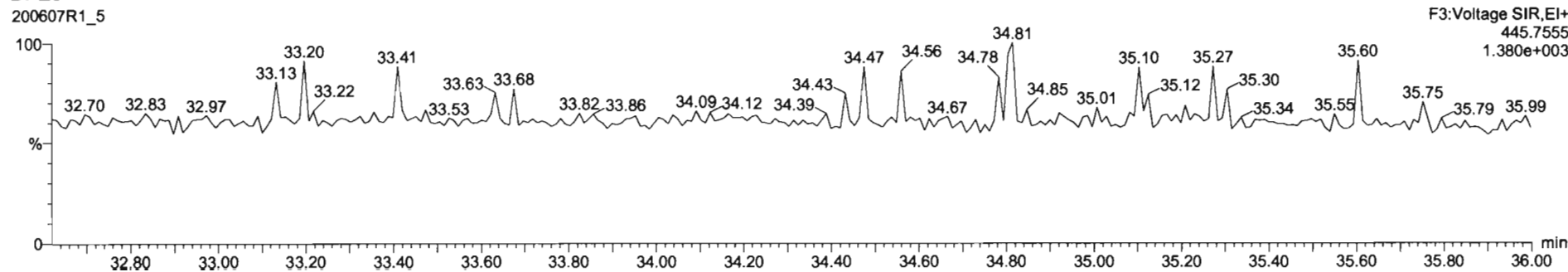
1,2,3,4,7,8-HxCDF



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

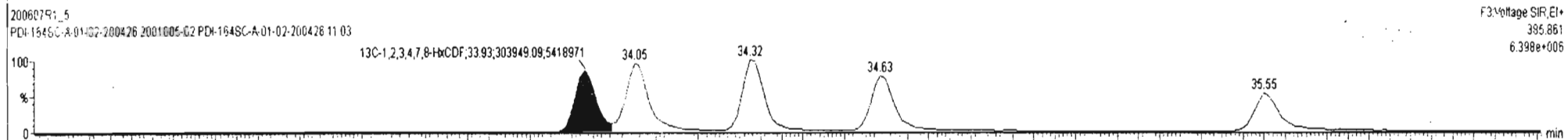
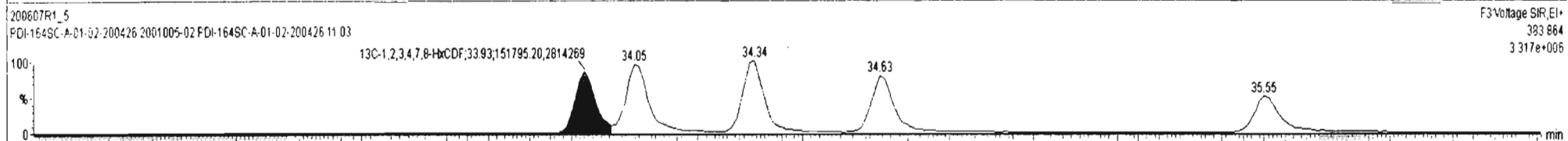
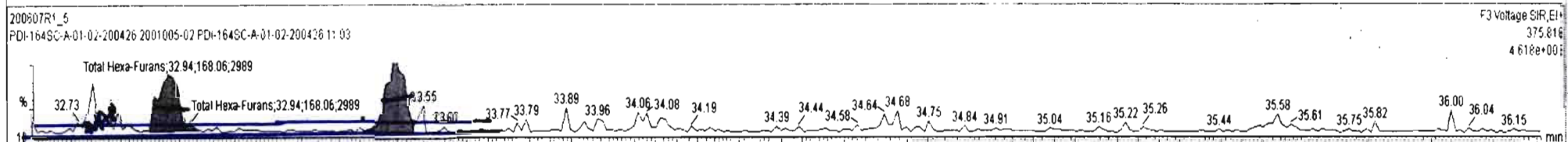
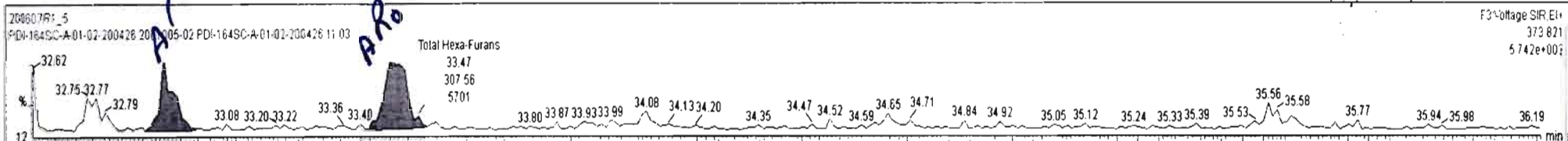


DPE3



Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.8341	10.038			0.159		0.0303	0.357
47 Total Hepta-Furans				0.8734	10.038			0.000		0.0740	0.748
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.93	1.814e2	1.681e2	1.08	NO	0.15907	0.15907
2 Total Hexa-Furans	33.47	3.076e2	1.945e2	1.58	YES	0.19834	0.00000

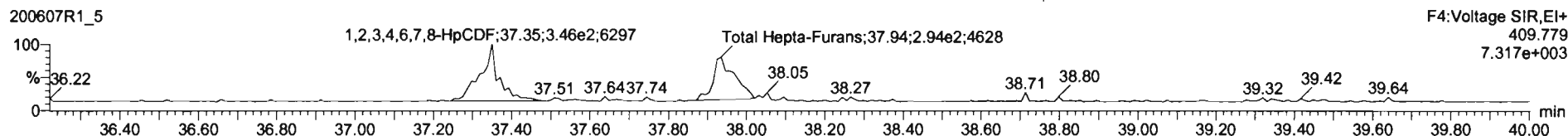
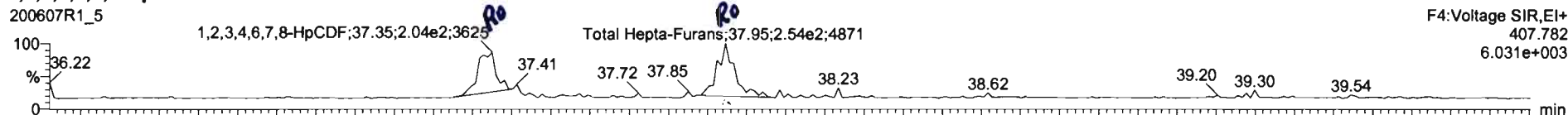


Dataset: Untitled

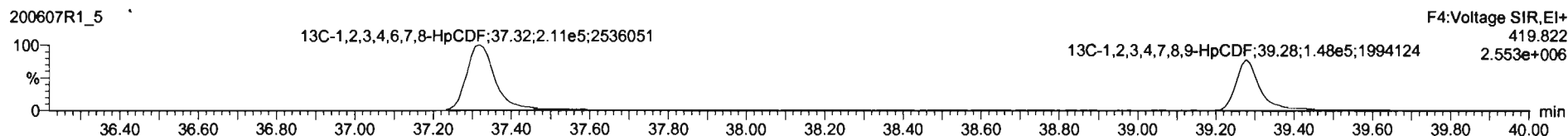
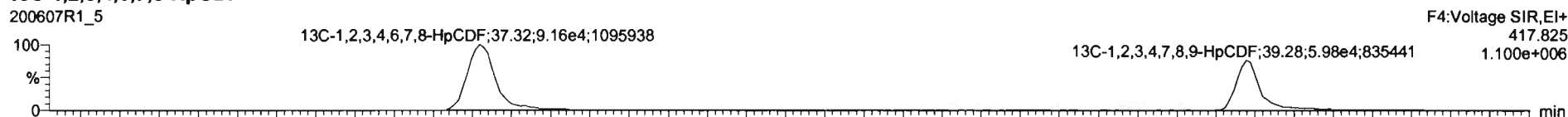
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
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Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

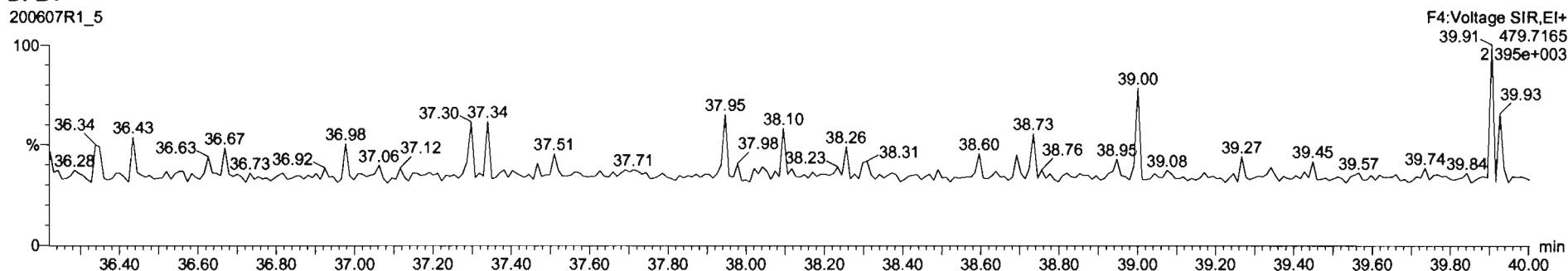
1,2,3,4,6,7,8-HpCDF



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

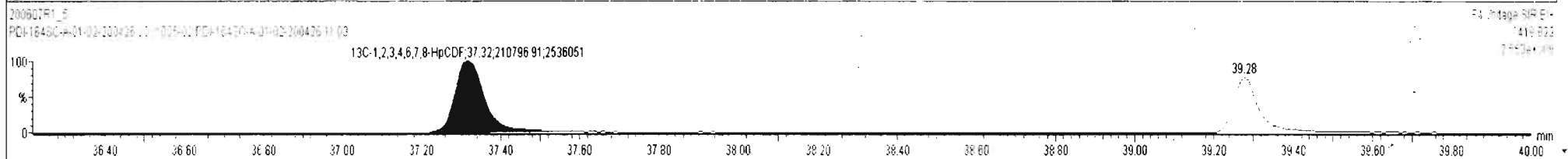
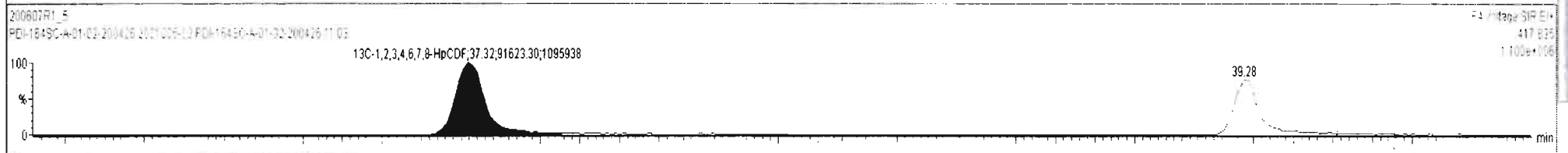
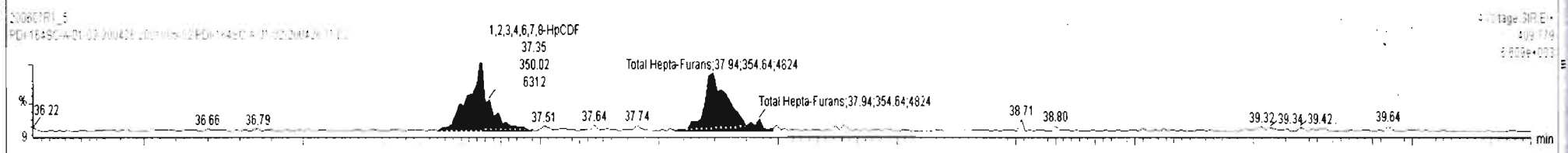
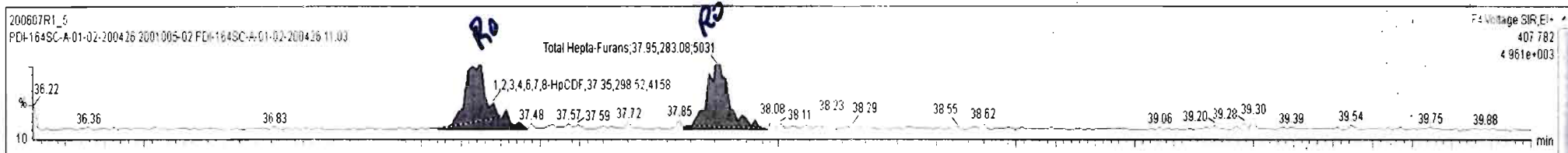


DPE4



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.038			0.159		0.0303	0.357
47 Total Hepta-Furans				0.8734	10.038			0.000		0.0740	0.938
48 PFK1											
49 PFK2											

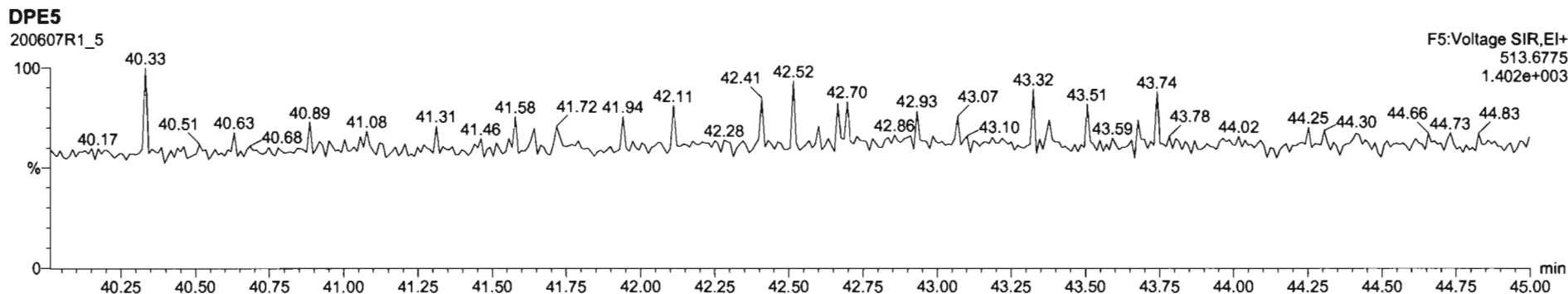
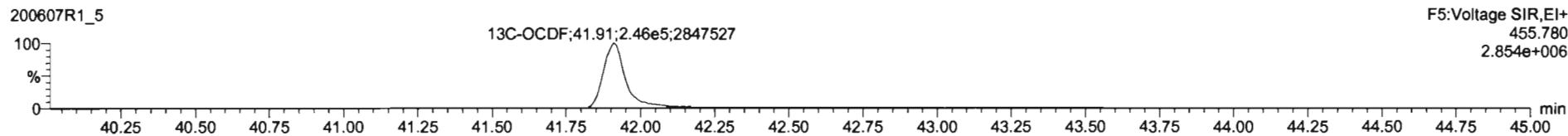
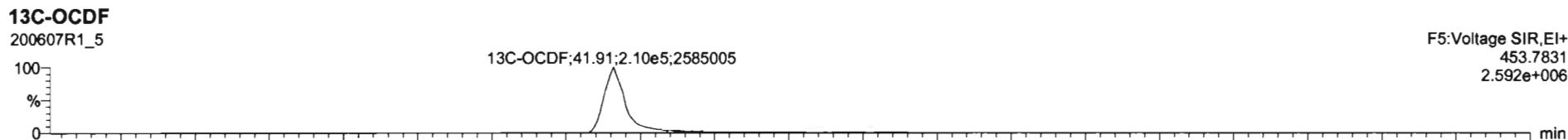
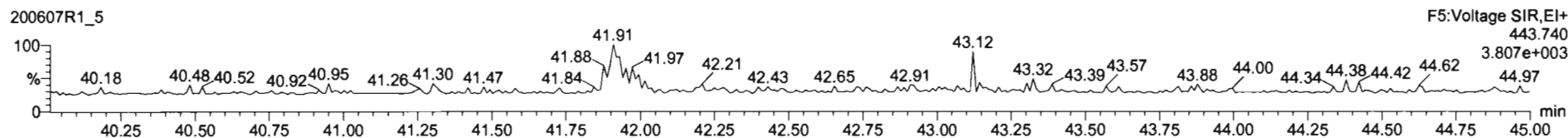
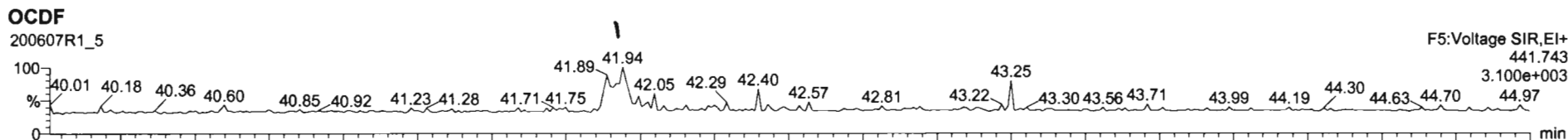
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.35	2.985e2	3.500e2	0.85	YES	0.44171	0.00000
2 Total Hepta-Furans	37.85	2.831e2	3.546e2	0.80	YES	0.49678	0.00000



Dataset: Untitled

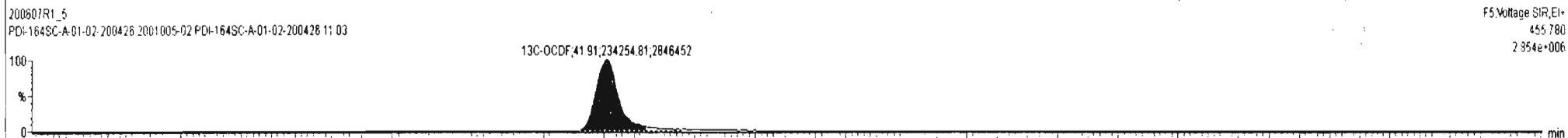
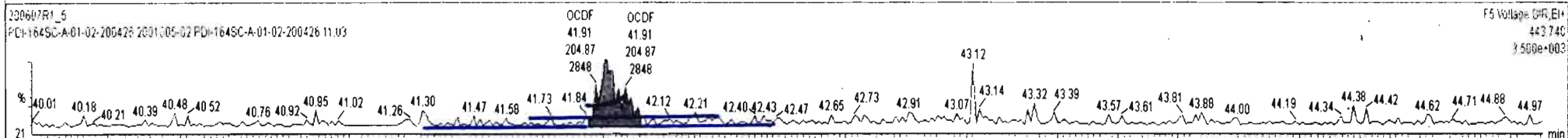
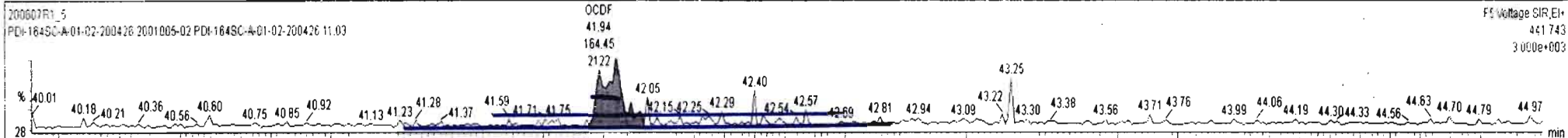
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Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426



Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDP	3.69e2	0.80	NO	0.8065	10.038	41.94	1.001	0.420	0.167	0.420
18	13C-2,3,7,8-TCDD	7.86e5	0.80	NO	1.1563	10.038	26.45	1.026	195	97.9	0.259
19	13C-1,2,3,7,8-PeCDD	5.63e5	0.61	NO	0.8490	10.038	31.43	1.219	190	95.5	0.579
20	13C-1,2,3,4,7,8-HxCDD	3.39e5	1.28	NO	0.7791	10.038	34.80	1.014	156	78.3	0.670

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



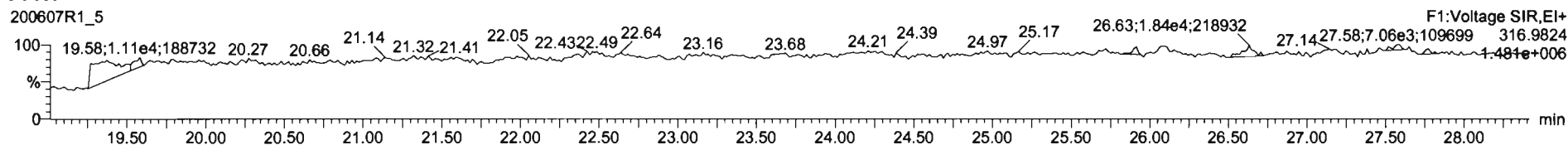
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

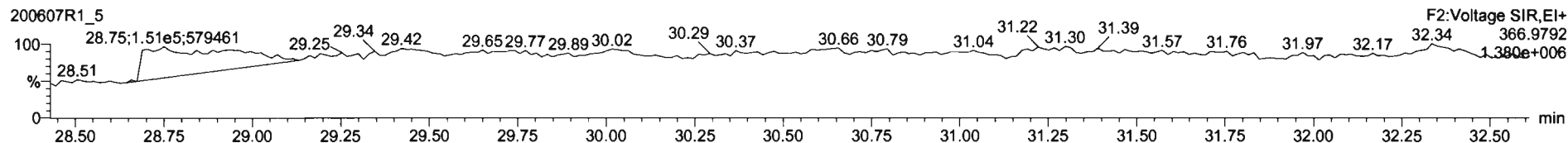
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Name: 200607R1_5, Date: 07-Jun-2020, Time: 11:48:04, ID: 2001005-02 PDI-164SC-A-01-02-200426 11.03, Description: PDI-164SC-A-01-02-200426

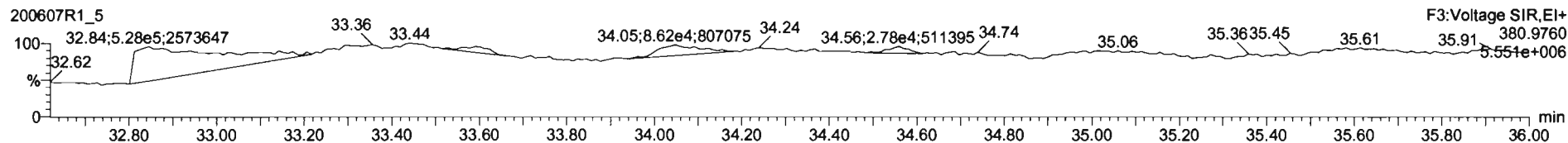
PFK1



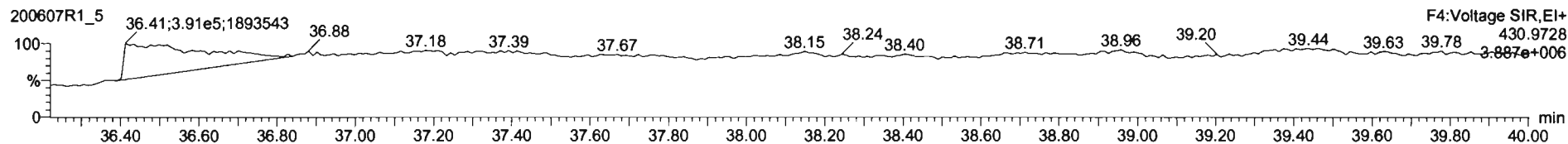
PFK2



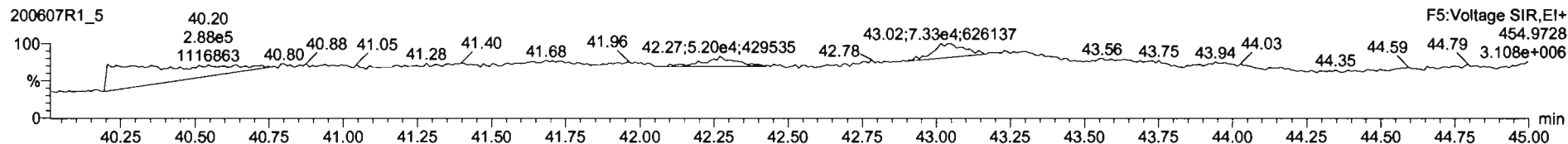
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-6.qld

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dy 06-08-2020 C1 06/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.013	26.486		1.001				0.0680	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.013	31.457		1.001				0.0934	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.013	34.825		1.000				0.0849	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.013	34.921		1.000				0.0862	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.013	35.209		1.000				0.104	
6	6 1,2,3,4,6,7,8-HpCDD	1.06e3	1.18	NO	0.864	10.013	38.736	38.77	1.000	1.001	0.83927		0.245	0.839
7	7 OCDD	1.05e4	0.94	NO	0.914	10.013	41.706	41.73	1.000	1.000	9.9458		0.290	9.95
8	8 2,3,7,8-TCDF			NO	0.751	10.013	25.597		1.001				0.0423	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.013	30.175		1.001				0.0430	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.013	31.161		1.001				0.0389	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.013	33.931		1.000				0.0618	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.013	34.069		1.000				0.0558	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.013	34.679		1.001				0.0615	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.013	35.561		1.000				0.0964	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.013	37.355		1.001				0.0686	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.013	39.278		1.000				0.0736	
17	17 OCDF			NO	0.806	10.013	41.908		1.000				0.114	
18	18 13C-2,3,7,8-TCDD	8.18e5	0.75	NO	1.16	10.013	26.491	26.45	1.026	1.025	196.82	98.5	0.322	
19	19 13C-1,2,3,7,8-PeCDD	5.80e5	0.63	NO	0.849	10.013	31.674	31.43	1.227	1.218	190.29	95.3	0.483	
20	20 13C-1,2,3,4,7,8-HxCDD	3.85e5	1.34	NO	0.779	10.013	34.819	34.81	1.014	1.014	172.42	86.3	0.830	
21	21 13C-1,2,3,6,7,8-HxCDD	4.94e5	1.24	NO	1.02	10.013	34.932	34.92	1.017	1.017	169.54	84.9	0.636	
22	22 13C-1,2,3,7,8,9-HxCDD	4.27e5	1.28	NO	0.903	10.013	35.204	35.20	1.025	1.025	164.85	82.5	0.716	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.92e5	1.04	NO	0.689	10.013	38.726	38.72	1.128	1.128	147.71	74.0	0.565	
24	24 13C-OCDD	4.63e5	0.90	NO	0.652	10.013	41.748	41.71	1.216	1.215	247.85	62.0	0.599	
25	25 13C-2,3,7,8-TCDF	1.04e6	0.76	NO	1.06	10.013	25.534	25.57	0.989	0.991	185.06	92.7	0.356	
26	26 13C-1,2,3,7,8-PeCDF	8.79e5	1.58	NO	0.838	10.013	30.058	30.15	1.165	1.168	197.16	98.7	0.497	
27	27 13C-2,3,4,7,8-PeCDF	8.56e5	1.57	NO	0.817	10.013	31.011	31.13	1.202	1.206	197.10	98.7	0.510	
28	28 13C-1,2,3,4,7,8-HxCDF	4.80e5	0.50	NO	1.01	10.013	33.950	33.93	0.989	0.988	166.03	83.1	0.645	
29	29 13C-1,2,3,6,7,8-HxCDF	5.99e5	0.50	NO	1.17	10.013	34.074	34.06	0.992	0.992	178.99	89.6	0.557	
30	30 13C-2,3,4,6,7,8-HxCDF	5.07e5	0.49	NO	1.02	10.013	34.647	34.64	1.009	1.009	172.99	86.6	0.636	

Dataset: U:\WG12.PRO\Results\200607R1\200607R1-6.qld

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Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.17e5	0.50	NO	0.860	10.013	35.547	35.56	1.035	1.036	169.40	84.8	0.756	
32	13C-1,2,3,4,6,7,8-HpCDF	3.37e5	0.43	NO	0.774	10.013	37.295	37.32	1.086	1.087	151.65	75.9	0.488	
33	13C-1,2,3,4,7,8,9-HpCDF	2.39e5	0.41	NO	0.521	10.013	39.324	39.28	1.145	1.144	159.76	80.0	0.726	
34	13C-OCDF	5.46e5	0.88	NO	0.746	10.013	41.920	41.91	1.221	1.221	255.30	63.9	0.611	
35	37Cl-2,3,7,8-TCDD	3.17e5			1.04	10.013	26.522	26.48	1.028	1.026	85.093	107	0.174	
36	13C-1,2,3,4-TCDD	7.18e5	0.79	NO	1.00	10.013	25.890	25.81	1.000	1.000	199.73	100	0.372	
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.00	10.013	24.360	24.12	1.000	1.000	199.73	100	0.377	
38	13C-1,2,3,4,6,9-HxCDF	5.73e5	0.50	NO	1.00	10.013	34.420	34.33	1.000	1.000	199.73	100	0.649	
39	Total Tetra-Dioxins				0.888	10.013	24.620		0.000				0.0393	
40	Total Penta-Dioxins				0.908	10.013	29.960		0.000				0.0475	
41	Total Hexa-Dioxins				0.892	10.013	33.635		0.000		0.00000		0.0538	0.500
42	Total Hepta-Dioxins				0.864	10.013	37.640		0.000		2.2350		0.245	2.23
43	Total Tetra-Furans				0.751	10.013	23.610		0.000				0.0185	
44	1st Func. Penta-Furans				0.893	10.013	27.580		0.000		0.00000		0.00904	0.123
45	Total Penta-Furans				0.893	10.013	29.275		0.000				0.0203	
46	Total Hexa-Furans				0.934	10.013	33.555		0.000		0.00000		0.0267	0.230
47	Total Hepta-Furans				0.873	10.013	37.835		0.000				0.0318	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-6.qld

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Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.32	9.448e3	4.939e3	4.779e2	2.881e2	1.66	YES	0.000e0	0.00000	0.33200	0.0955
2	Total Hexa-Dioxins	34.13	3.666e3	2.976e3	2.129e2	1.464e2	1.45	YES	0.000e0	0.00000	0.16900	0.0955

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	1.116e4	1.203e4	9.260e2	8.362e2	1.11	NO	1.762e3	1.3957	1.3960	0.245
2	1,2,3,4,6,7,8-HpCDD	38.77	7.269e3	6.996e3	5.742e2	4.854e2	1.18	NO	1.060e3	0.83927	0.83900	0.245

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	1st Func. Penta-Furans	27.58	4.014e3	4.962e3	2.893e2	2.723e2	1.06	YES	0.000e0	0.00000	0.12300	0.0228

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-6.qld

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Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.95	2.920e3	2.787e3	1.567e2	1.095e2	1.43	YES	0.000e0	0.00000	0.10500	0.0267
2	Total Hexa-Furans	33.49	2.487e3	3.971e3	1.621e2	1.664e2	0.97	YES	0.000e0	0.00000	0.12500	0.0267

Hepta-Furans

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

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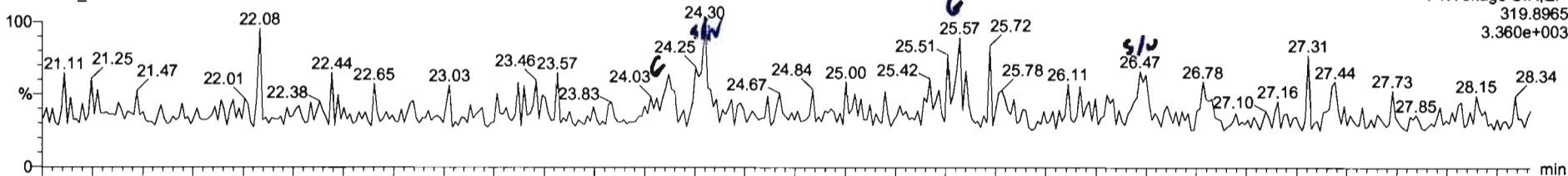
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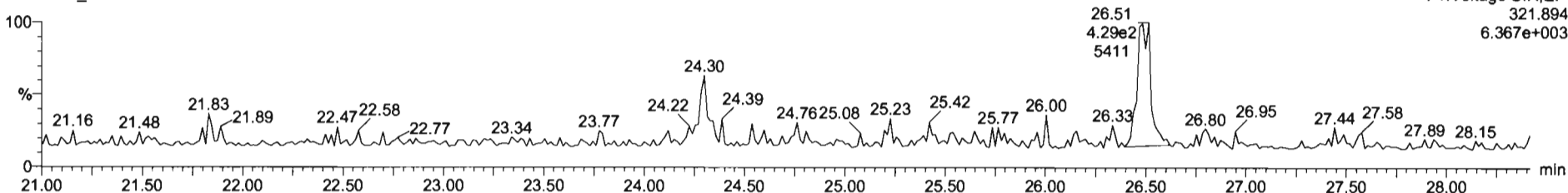
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2,3,7,8-TCDD

200607R1_6

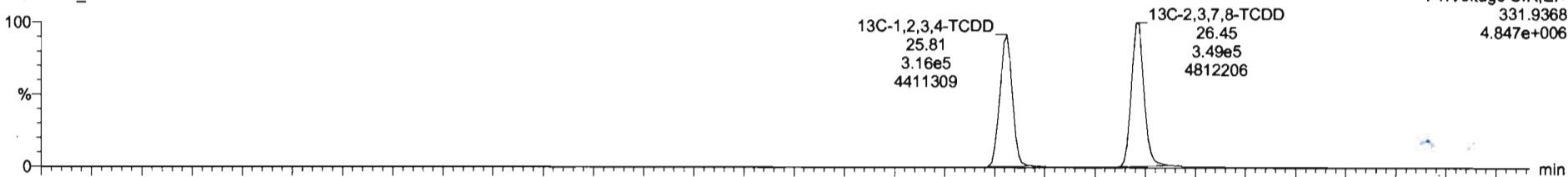


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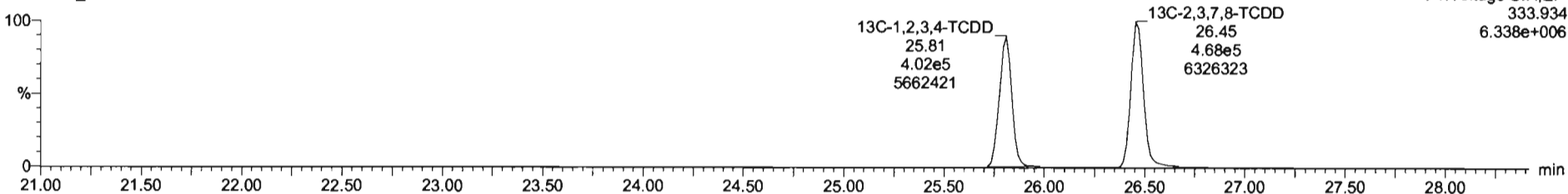


13C-2,3,7,8-TCDD

200607R1_6



200607R1_6

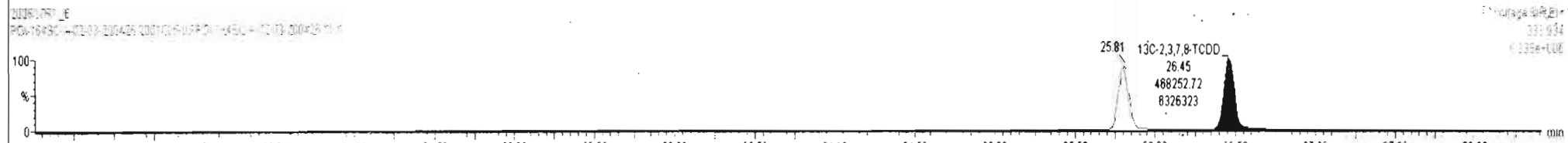
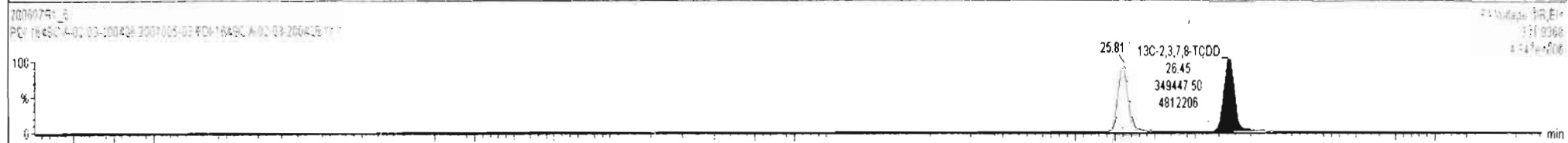
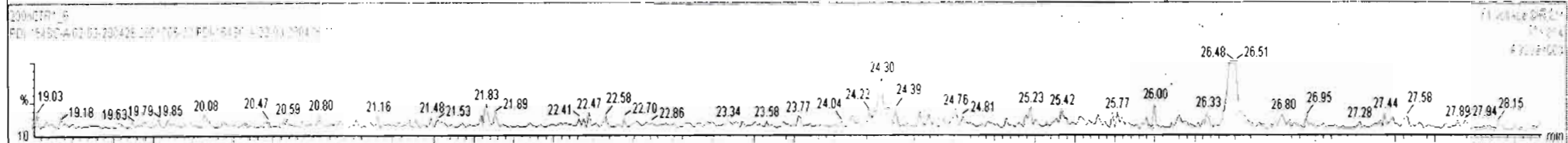
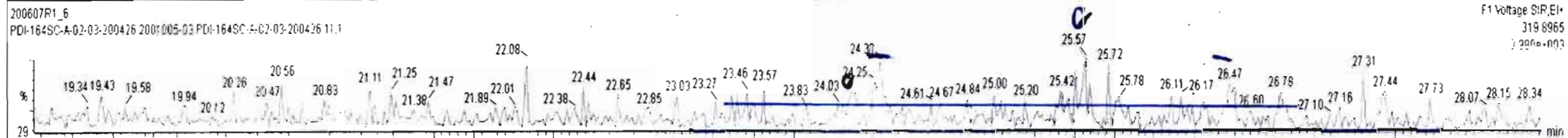




200607R1_6 - 2001005-03 PDI-1645C-A-02-03-200426 11.1 - PDI-1645C-A-02-03-200426

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	0.8883	10.013					0.0680	
2 1,2,3,7,8-PeCDD			NO	0.9081	10.013					0.0334	
3 1,2,3,4,7,8-HxCDD			NO	1.0334	10.013					0.0849	
4 1,2,3,6,7,8-HxCDD			NO	0.8923	10.013					0.0662	

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



Dataset: Untitled

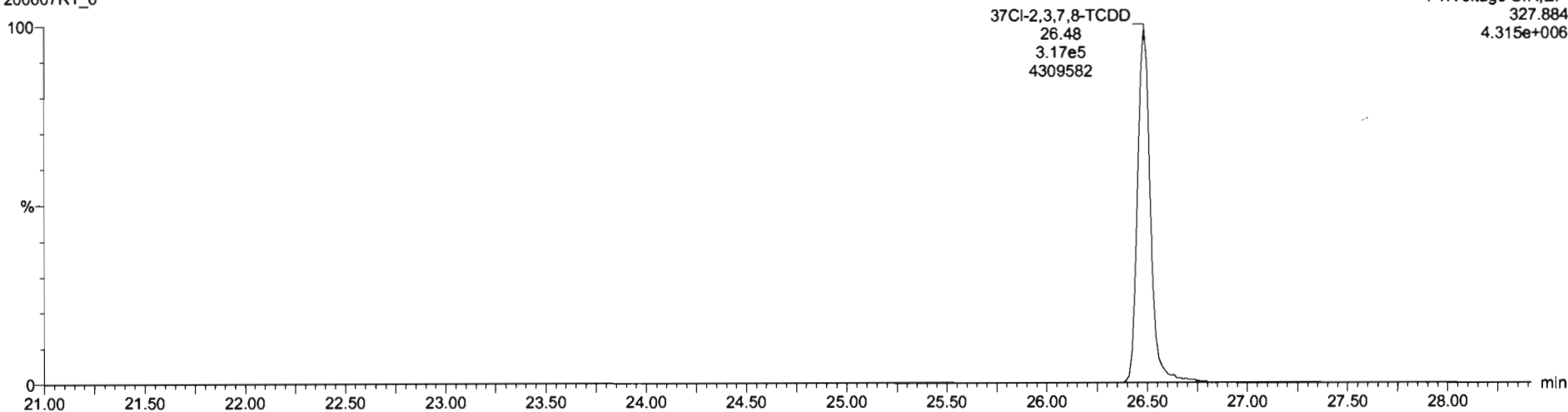
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Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

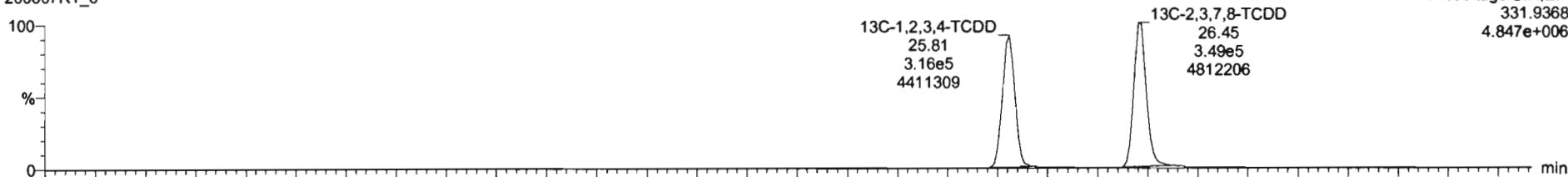
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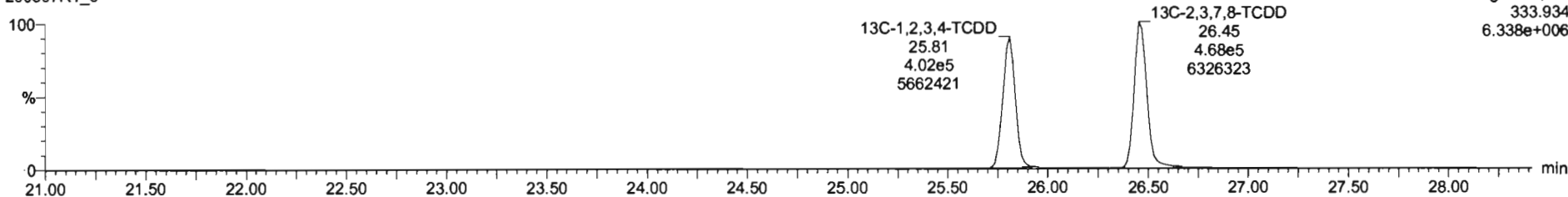


13C-1,2,3,4-TCDD

200607R1_6



200607R1_6



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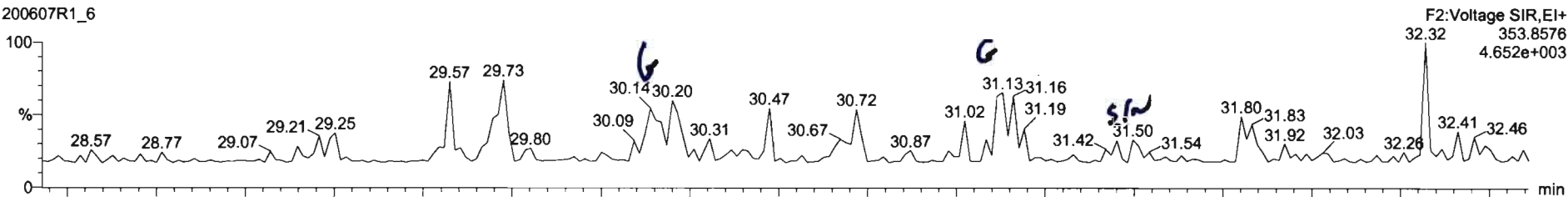
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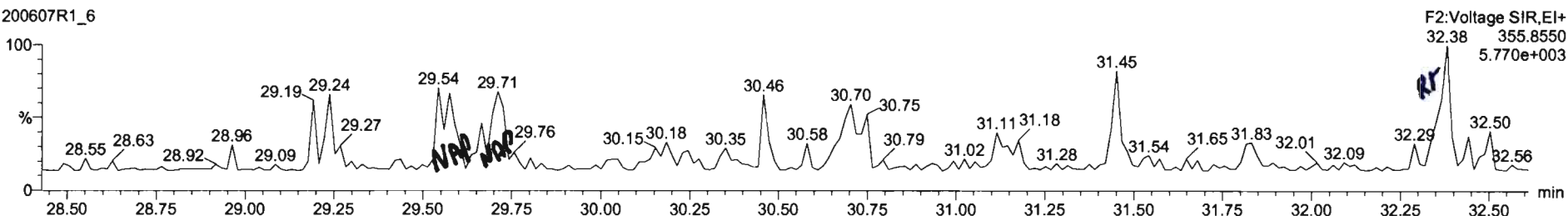
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1,2,3,7,8-PeCDD

200607R1_6

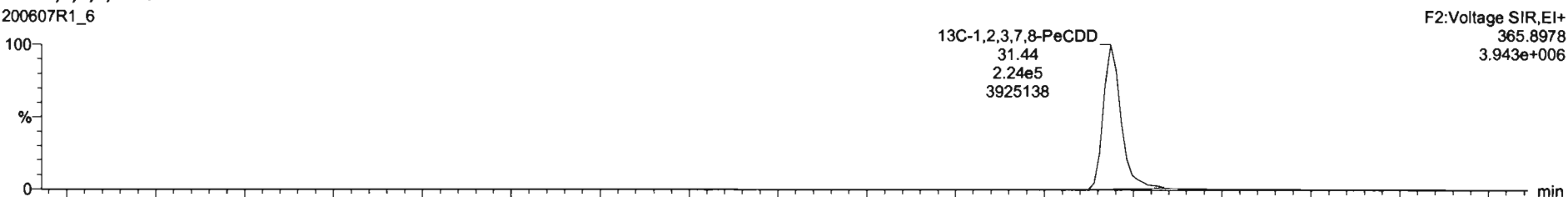


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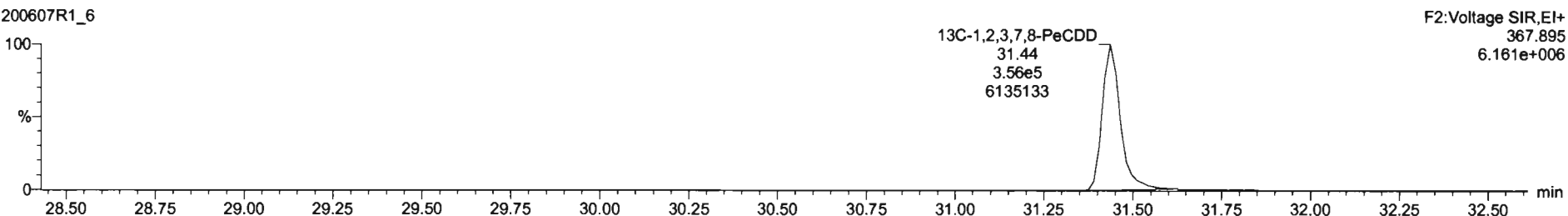


13C-1,2,3,7,8-PeCDD

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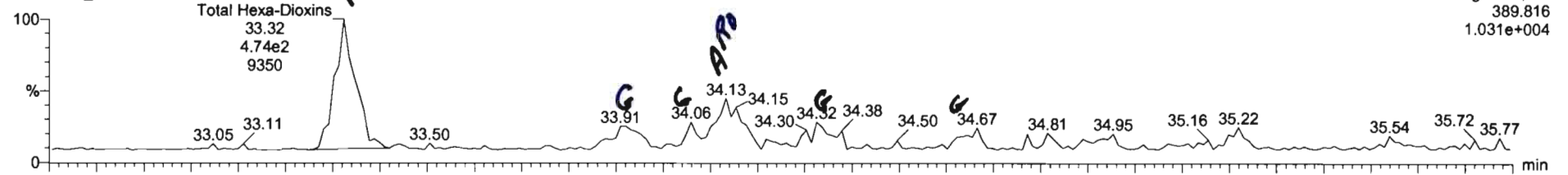
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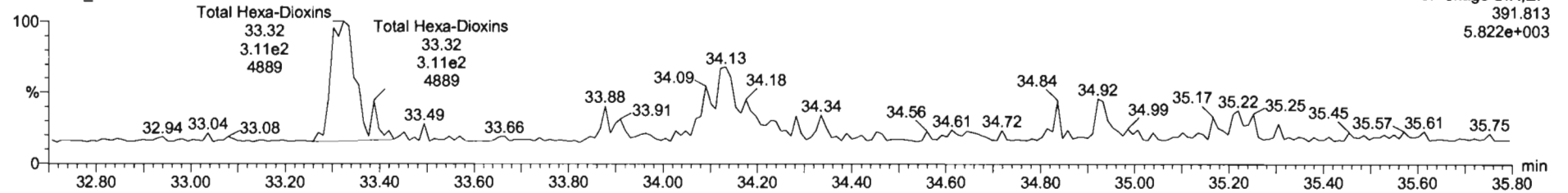
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1,2,3,4,7,8-HxCDD

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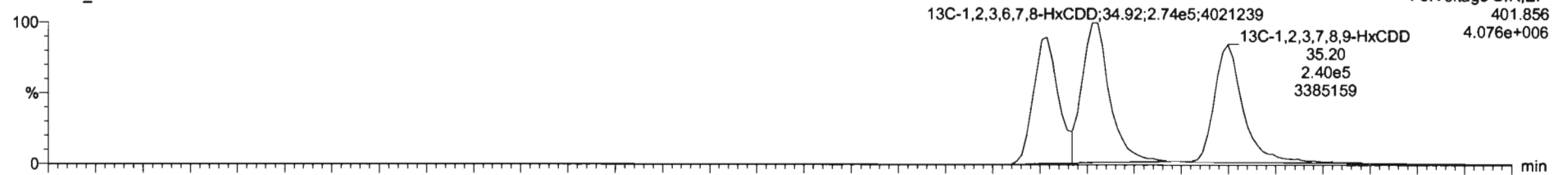


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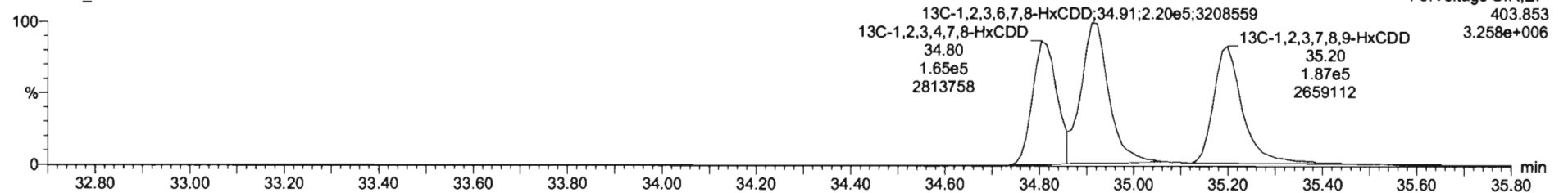


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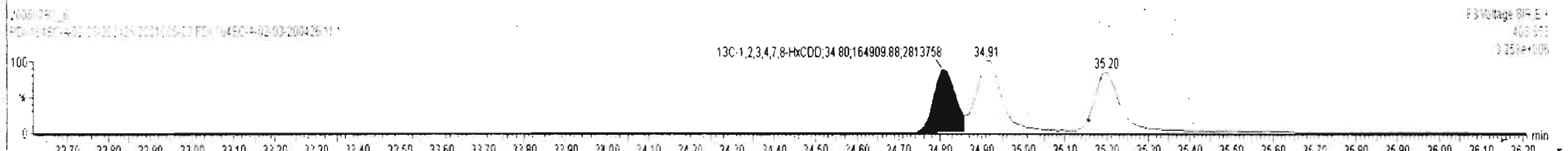
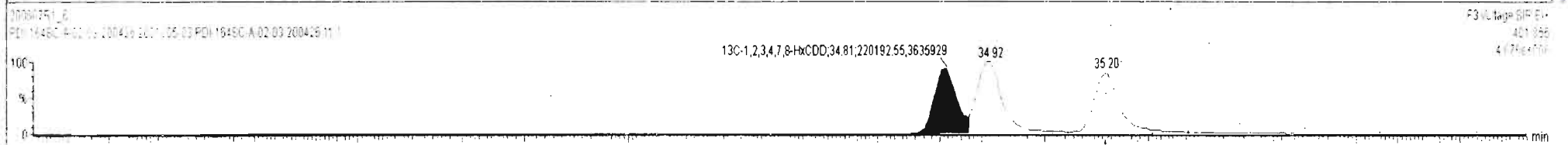
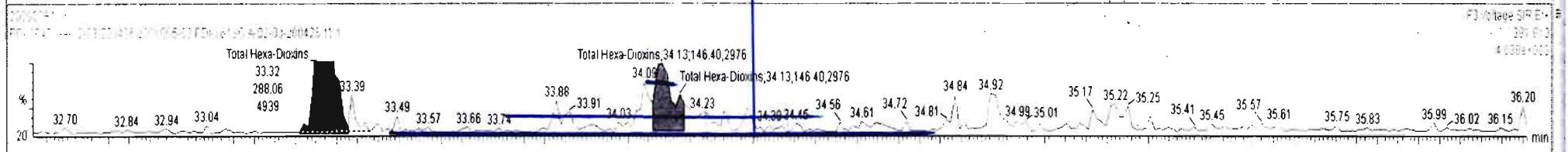
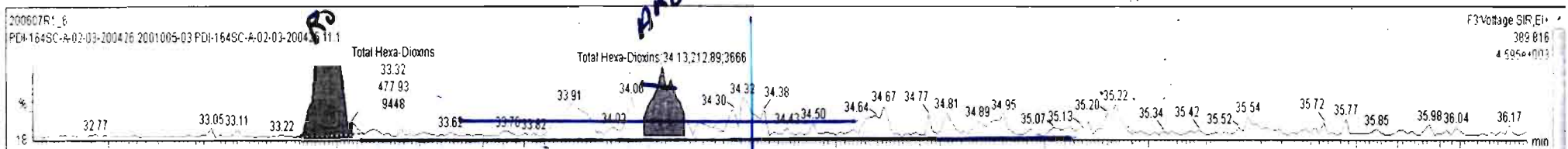
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200607R1-6* 200105-03 PDI-1645C-A-02-03-2004 11.1 PDI-1645C-A-02-03-2004

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.013					0.0393	
40 Total Penta-Dioxins				0.9081	10.013					0.0475	
41 Total Hexa-Dioxins				0.8923	10.013			0.000		0.0538	0.500
42 Total Hepta-Dioxins				0.8639	10.013			1.31		0.245	1.95

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.32	4.779e2	2.881e2	1.66	YES	0.33178	0.00000
2 Total Hexa-Dioxins	34.13	2.129e2	1.464e2	1.45	YES	0.16862	0.00000



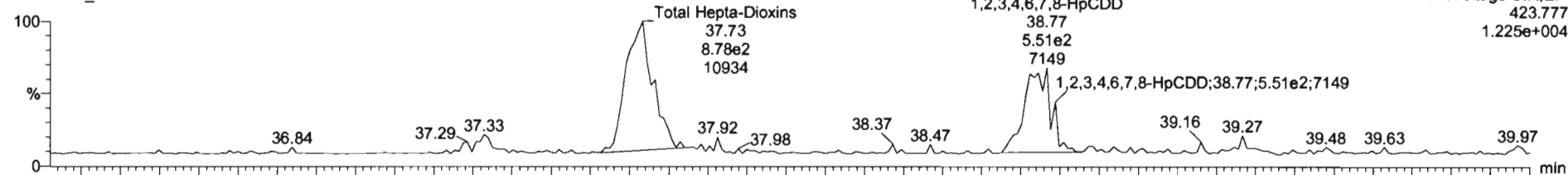
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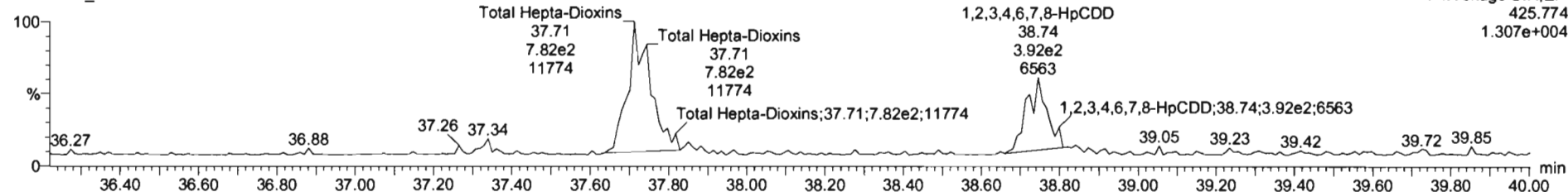
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1,2,3,4,6,7,8-HpCDD

200607R1_6

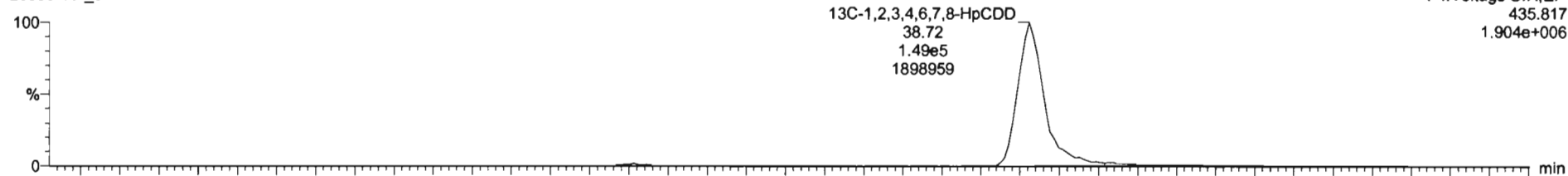


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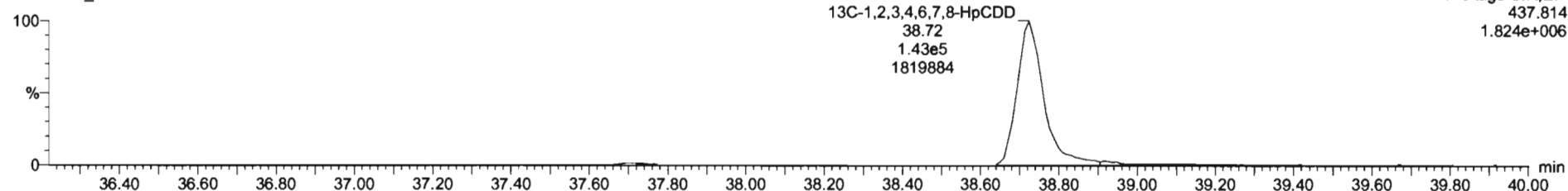


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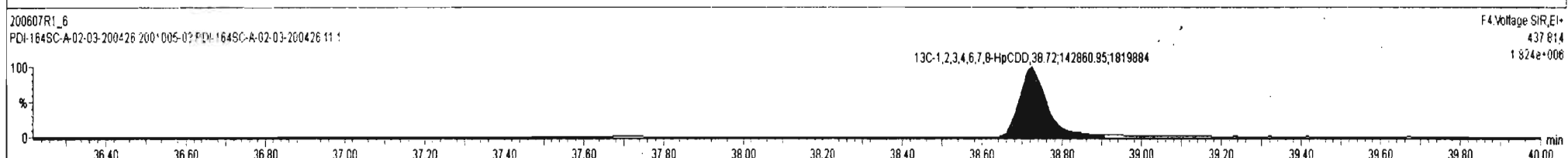
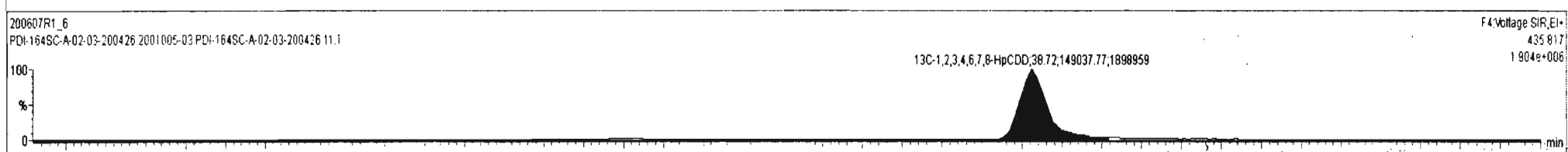
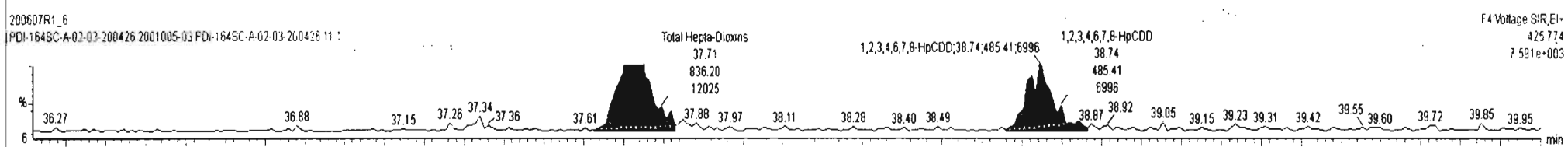
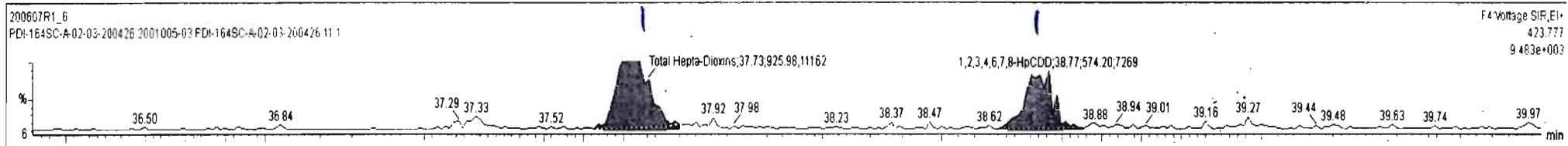


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Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins			0.8883	10.013					0.0393	
40	Total Penta-Dioxins			0.9081	10.013					0.0475	
41	Total Hexa-Dioxins			0.8923	10.013			0.000		0.0538	0.500
42	Total Hepta-Dioxins			0.8638	10.013			2.24		0.245	2.24

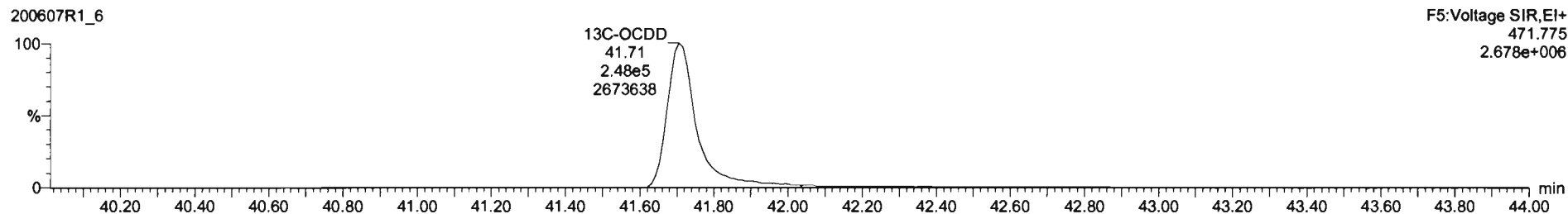
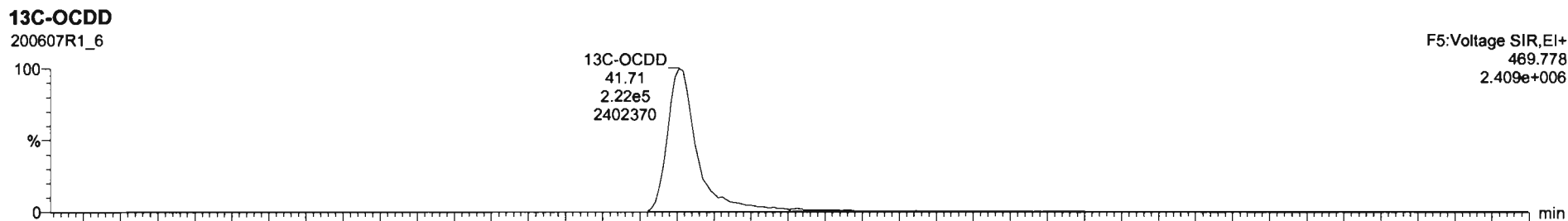
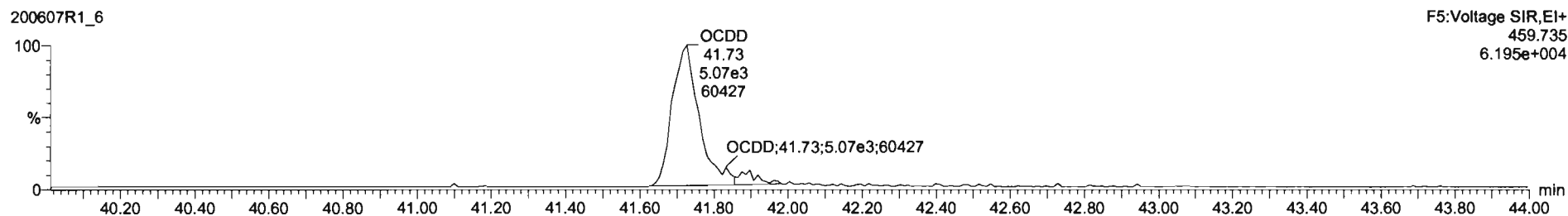
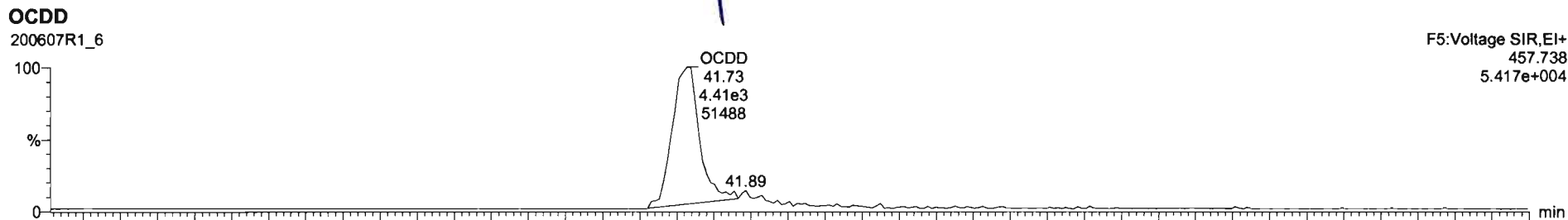
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Hepta-Dioxins	37.73	9.260e2	8.362e2	1.11	NO	1.3957
2	1,2,3,4,6,7,8-HpCDD	38.77	5.742e2	4.854e2	1.18	NO	0.83927



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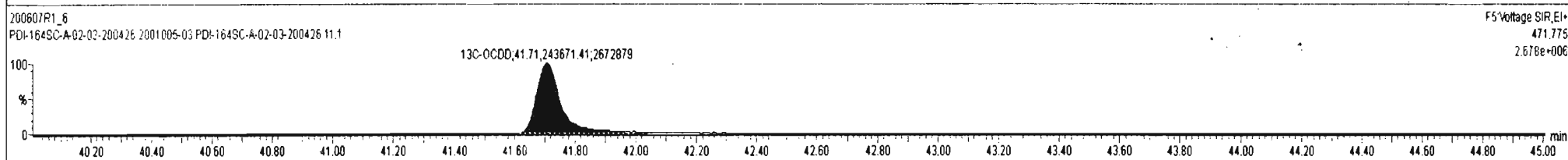
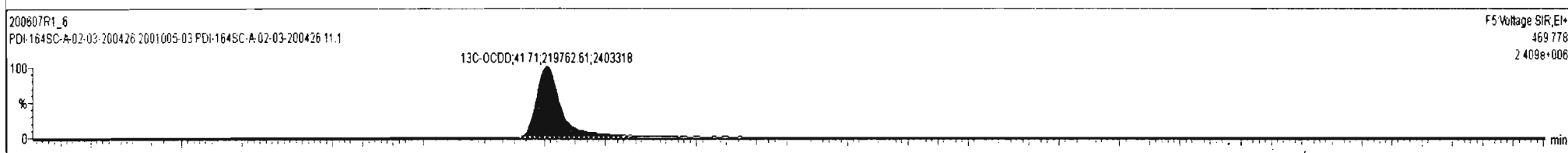
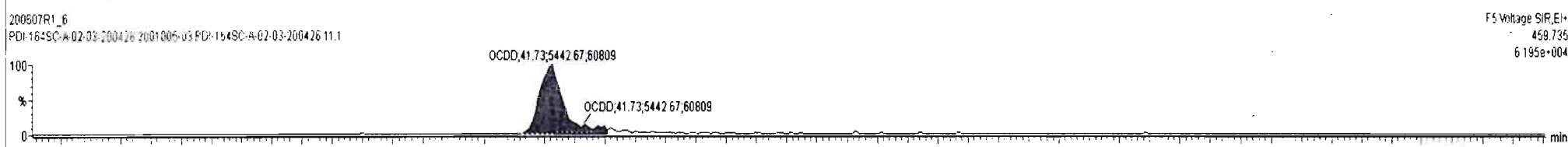
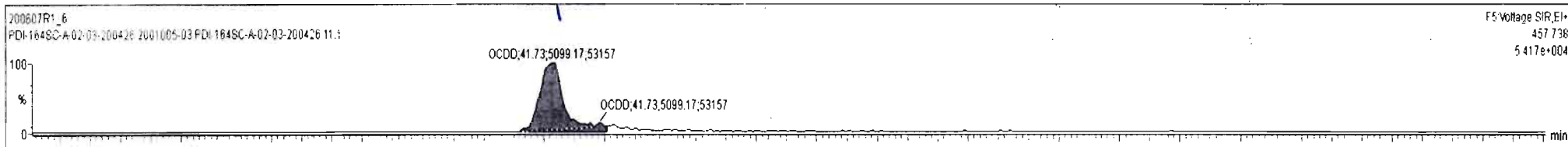
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Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	1.05e4	0.94	NO	0.9136	10.013	41.73	1.001	9.95		0.290	9.95
8 2,3,7,8-TCDF			NO	0.7510	10.013					0.0423	
9 1,2,3,7,8-PeCDF			NO	0.8925	10.013					0.0430	
10 2,3,4,7,8-PeCDF			NO	0.9348	10.013					0.0389	

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



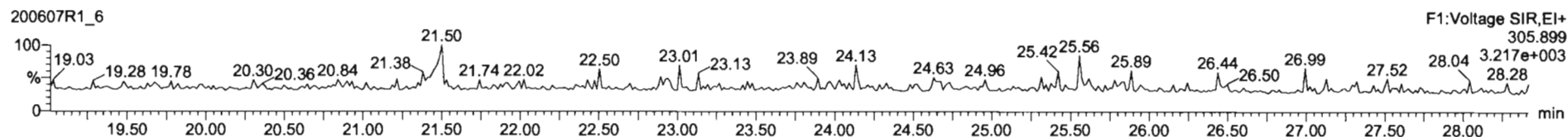
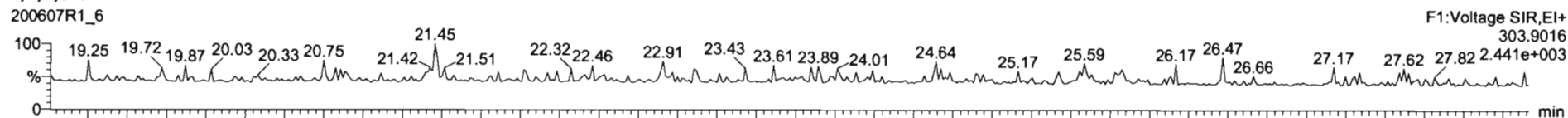
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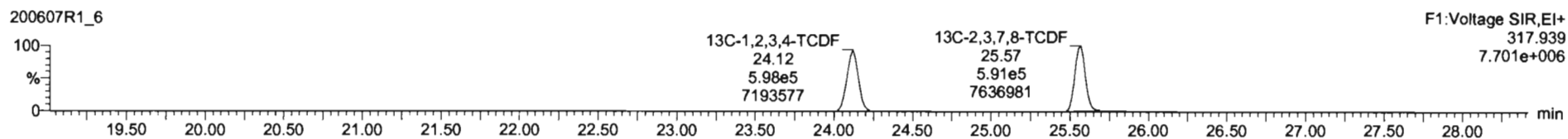
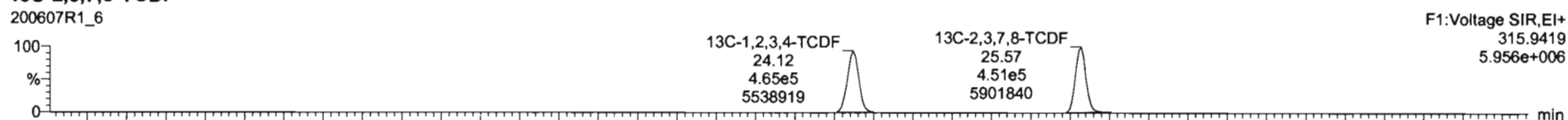
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Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

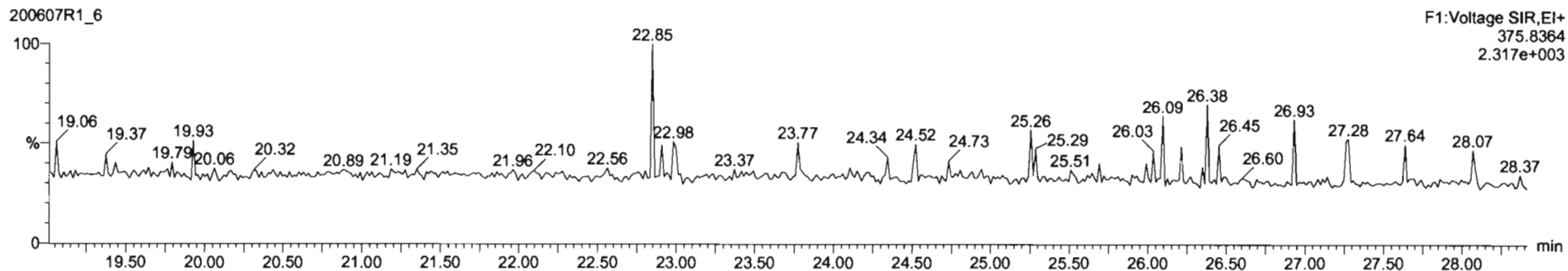
2,3,7,8-TCDF



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



DPE1



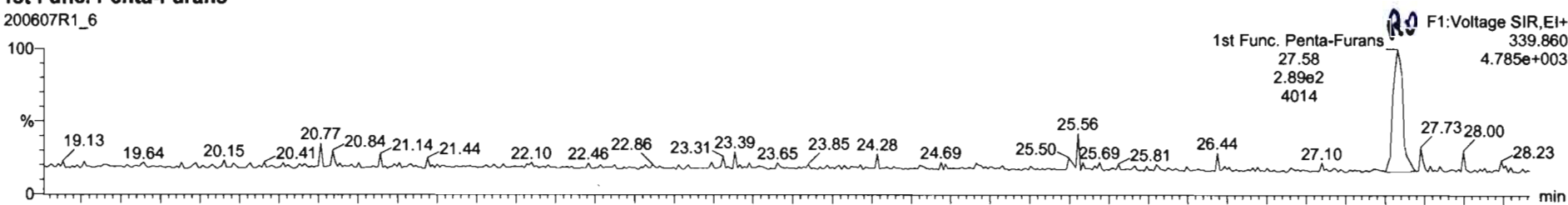
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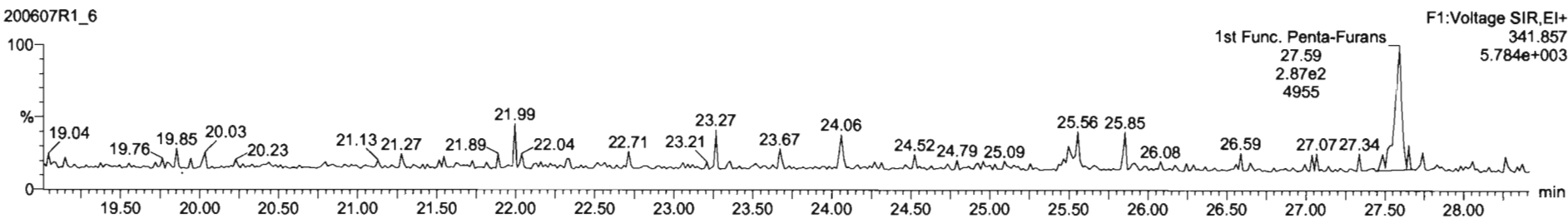
Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

1st Func. Penta-Furans

200607R1_6

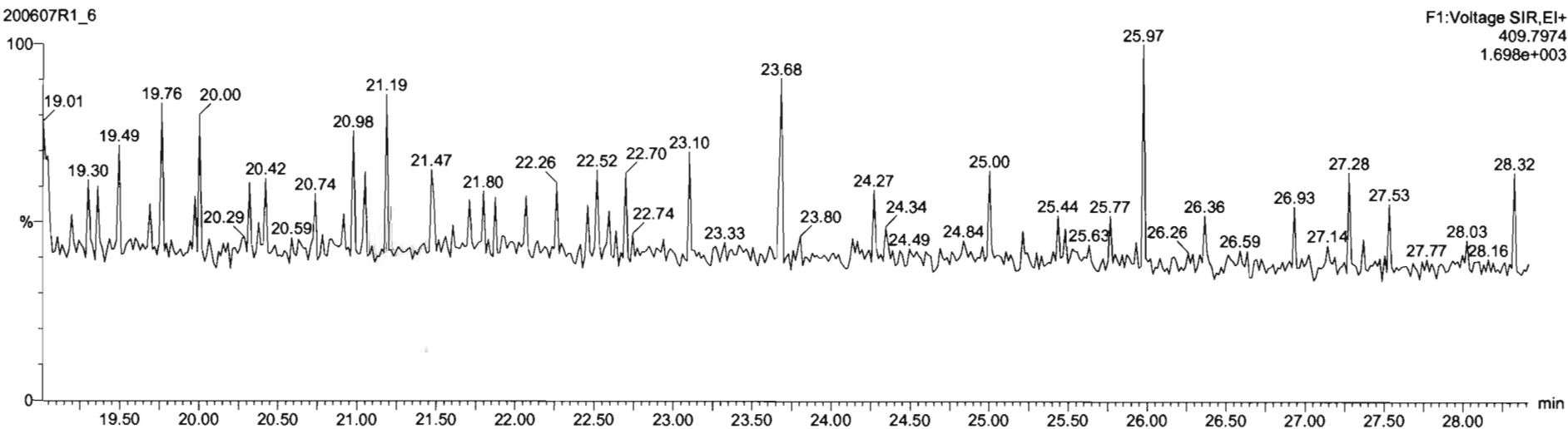


200607R1_6



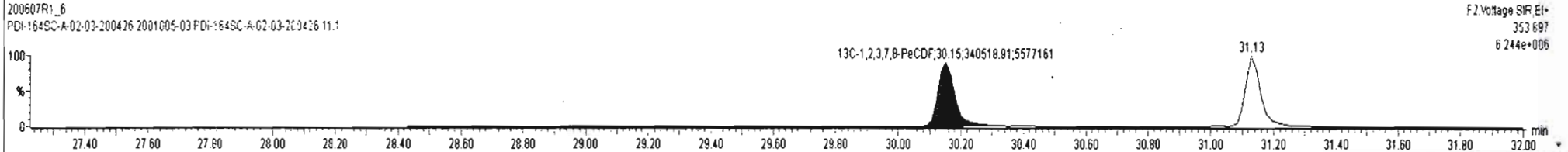
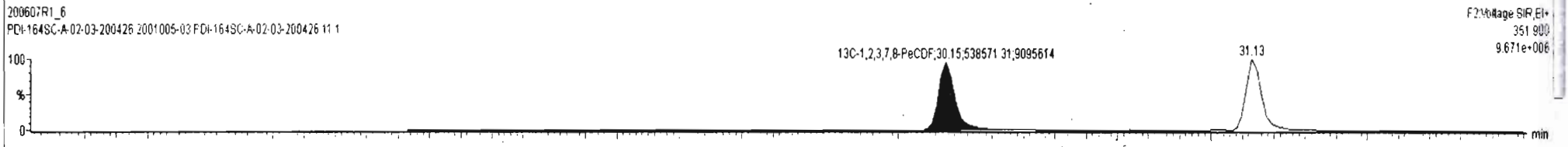
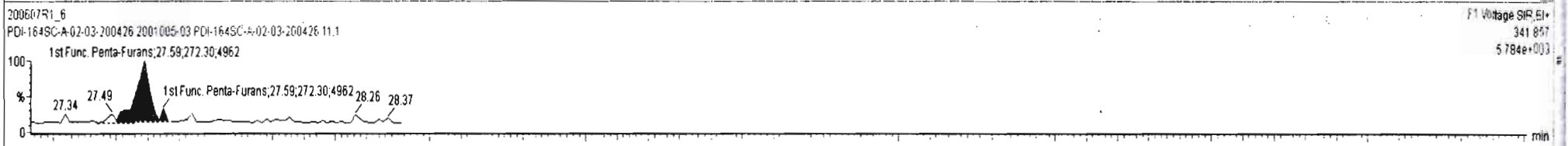
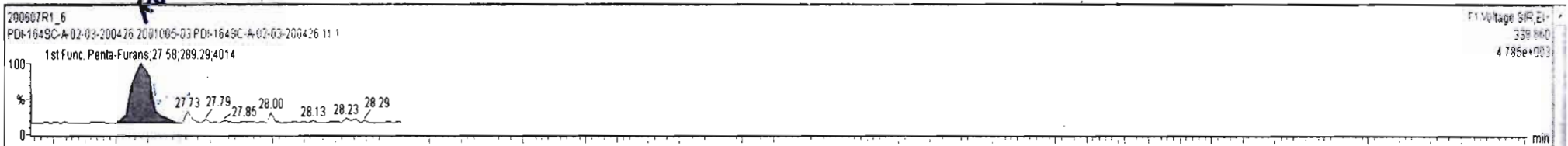
DPE6

200607R1_6



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.013					0.0185	
44 1st Func. Penta-Furans				0.8925	10.013			0.000		0.00904	0.123
45 Total Penta-Furans				0.8925	10.013					0.0203	
46 Total Hexa-Furans				0.9341	10.013					0.0267	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1st Func. Penta-Furans	27.58	2.893e2	2.723e2	1.06	YES	0.12274	0.00000

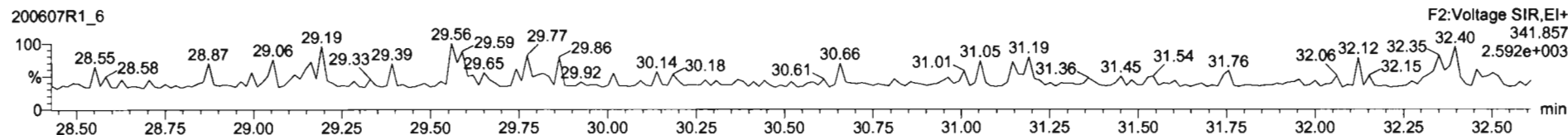
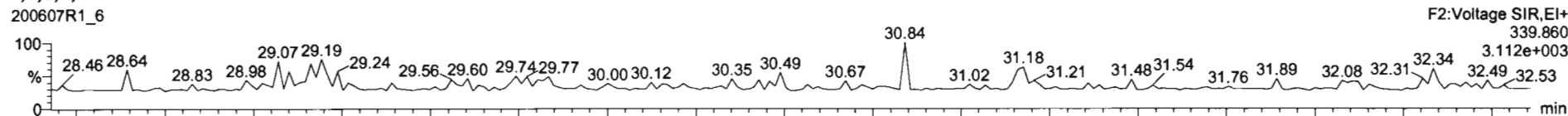


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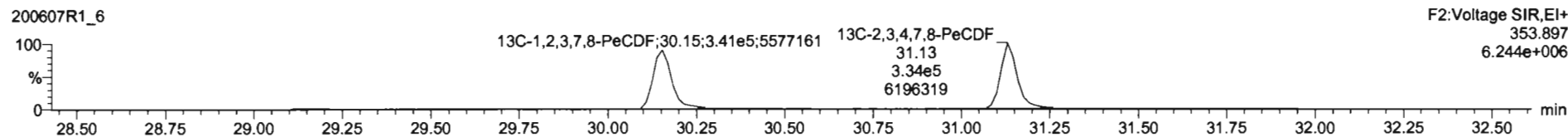
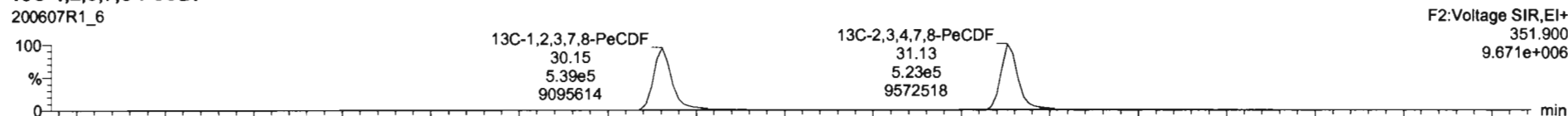
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

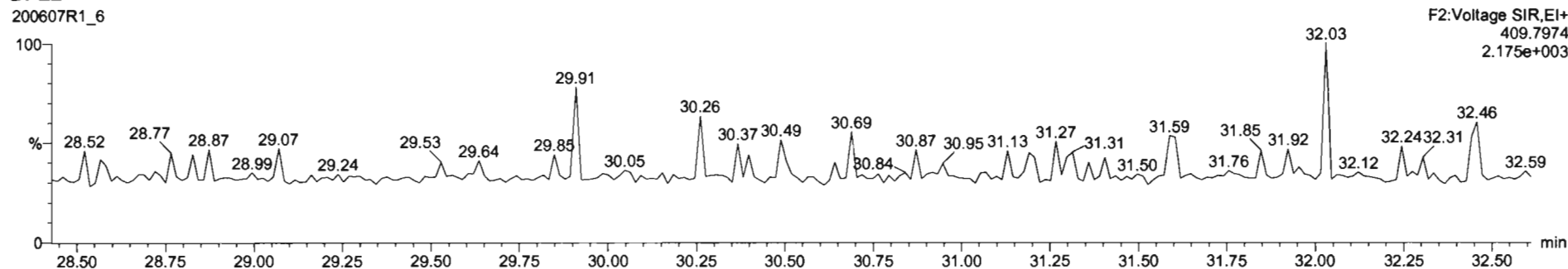
1,2,3,7,8-PeCDF



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



DPE2

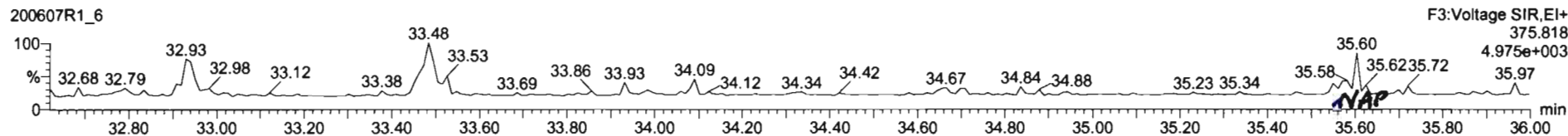
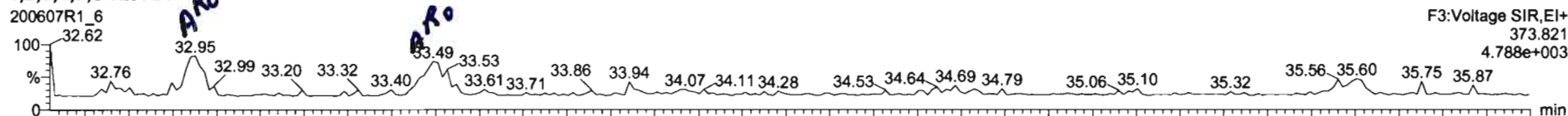


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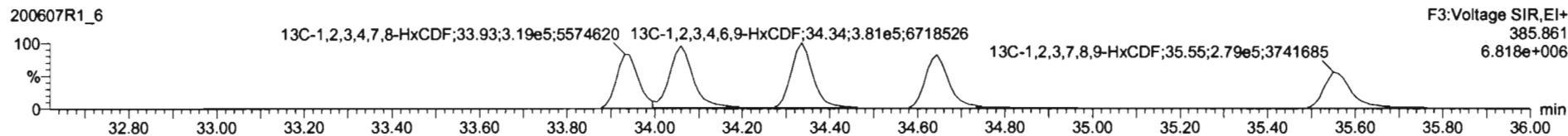
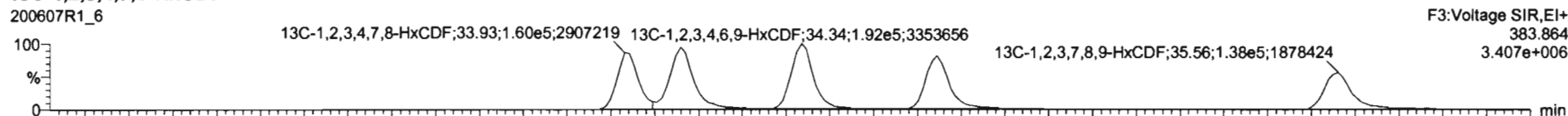
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Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

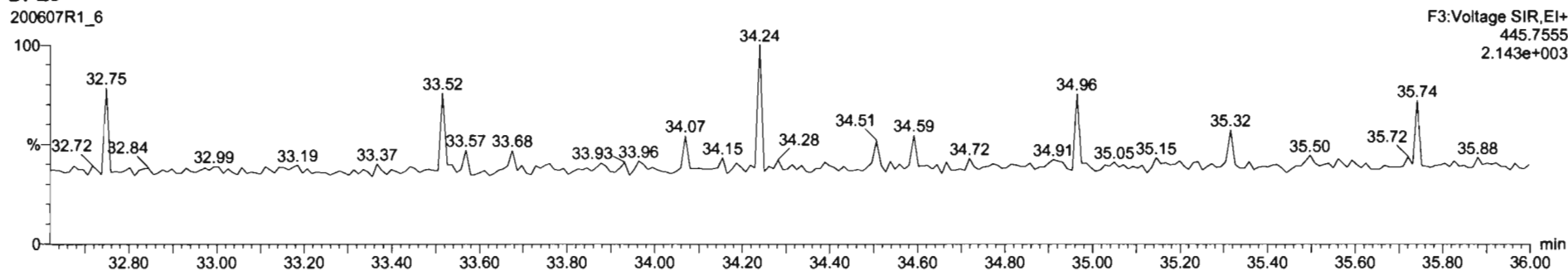
1,2,3,4,7,8-HxCDF



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

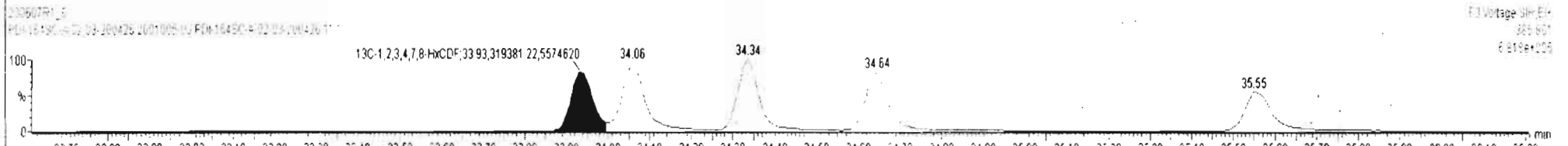
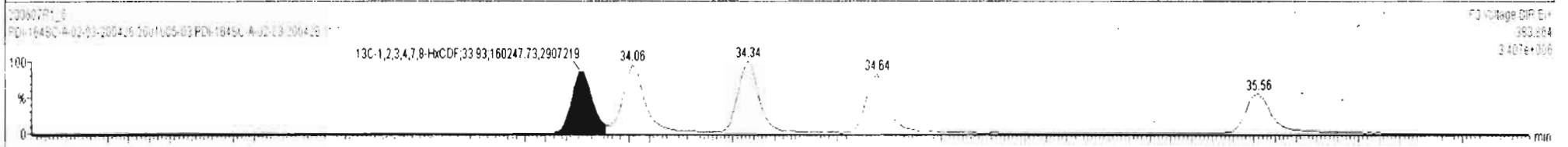
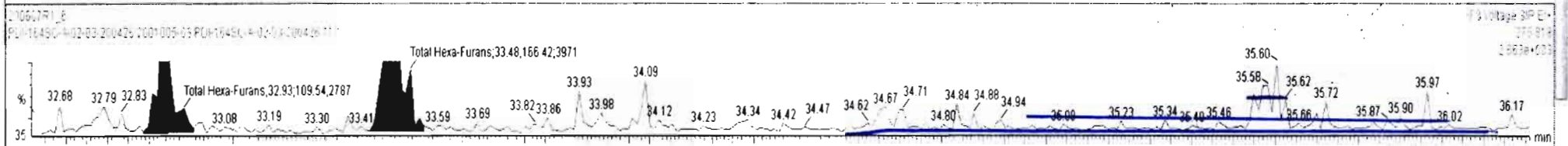
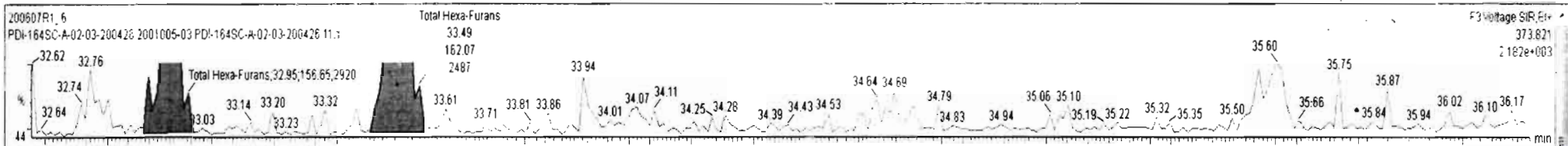


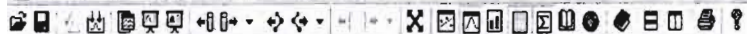
DPE3



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.013			0.000		0.0267	0.230
47 Total Hepta-Furans				0.8734	10.013					0.0318	
48 PFK1											
49 PFK7											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.95	1.567e2	1.095e2	1.43	YES	0.10478	0.00000
2 Total Hexa-Furans	33.49	1.621e2	1.664e2	0.97	YES	0.12502	0.00000

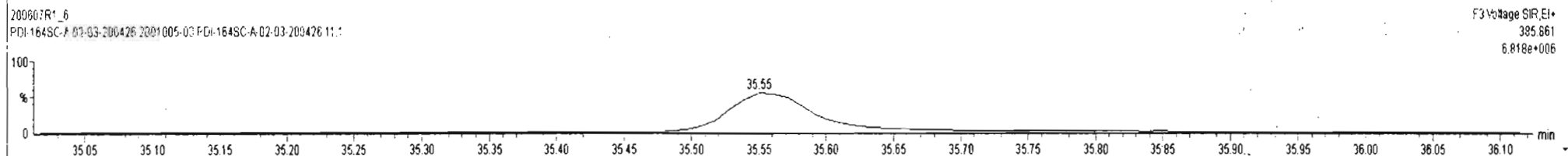
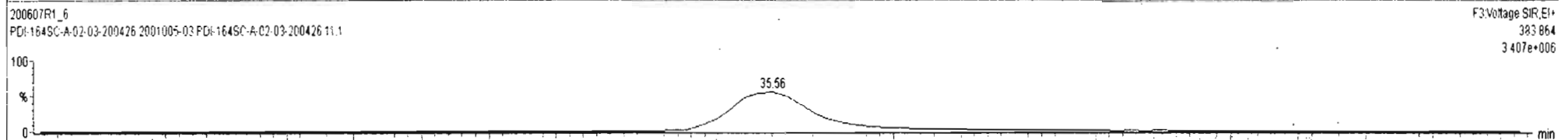
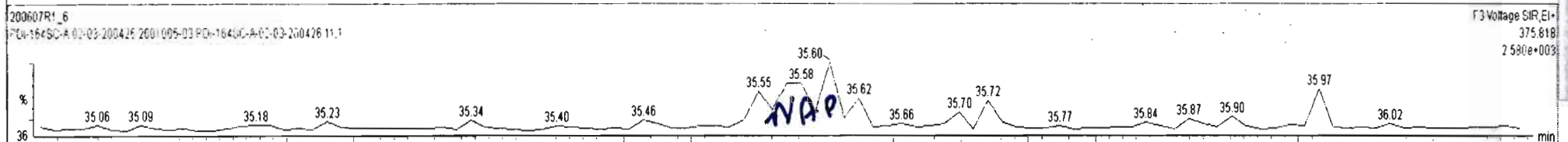
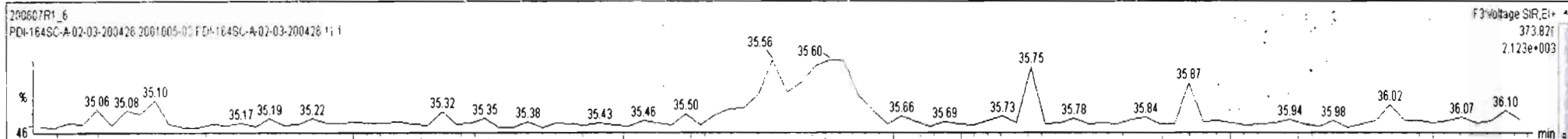




200607R1_6 - 201105-03 PDI-164SC-A-02-03-200426 11:1 - PDI-164SC-A-02-03-200426

Name	Resp	RA	n/y	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.013			0.000		0.0267	0.230
47 Total Hepta-Furans				0.8734	10.013					0.0318	
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.95	1.567e2	1.095e2	1.43	YES	0.10478	0.00000
2 Total Hexa-Furans	33.49	1.621e2	1.664e2	0.97	YES	0.12502	0.00000



Dataset: Untitled

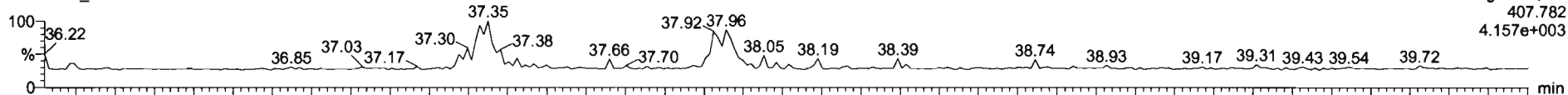
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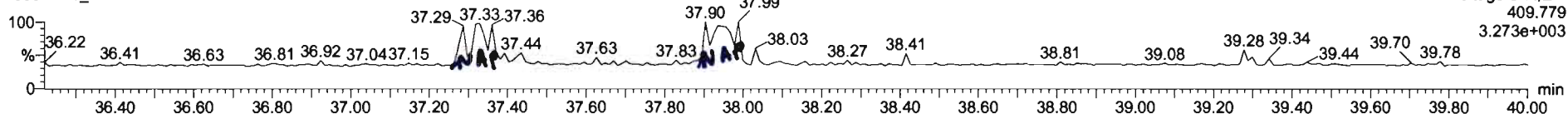
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1,2,3,4,6,7,8-HpCDF

200607R1_6

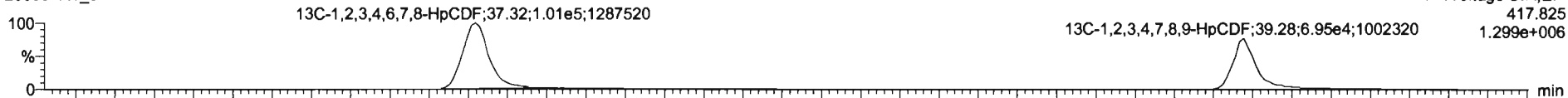


200607R1_6

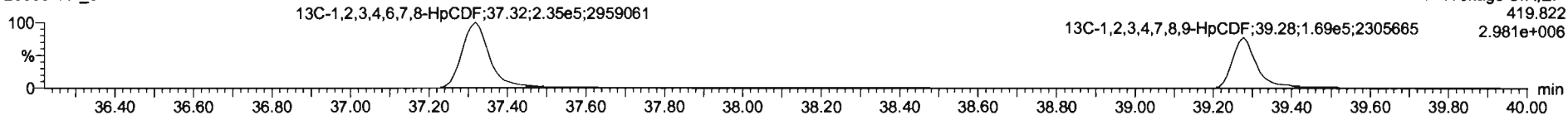


13C-1,2,3,4,6,7,8-HpCDF

200607R1_6

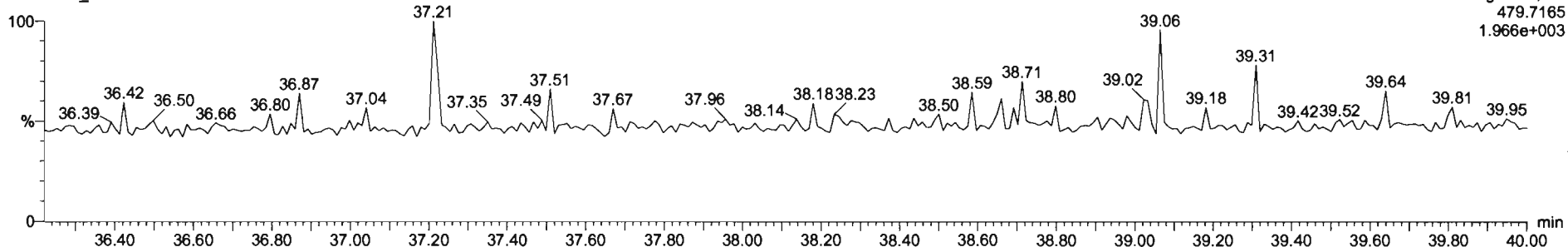


200607R1_6



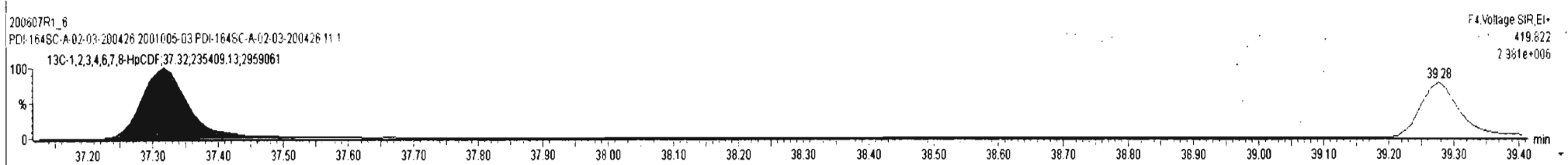
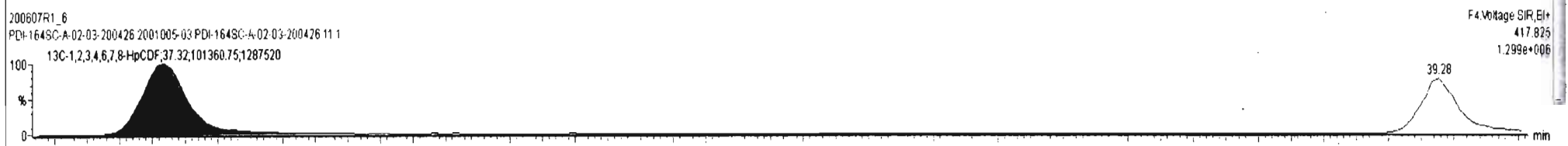
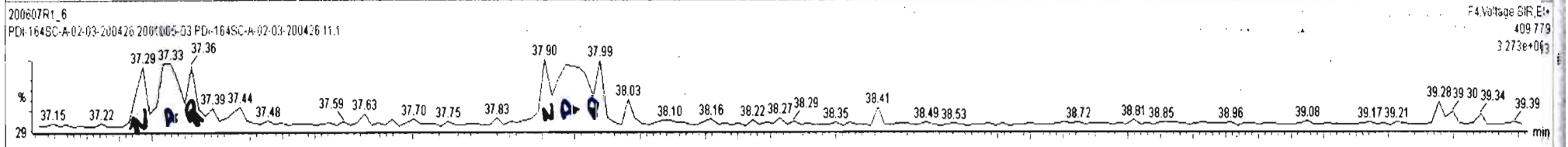
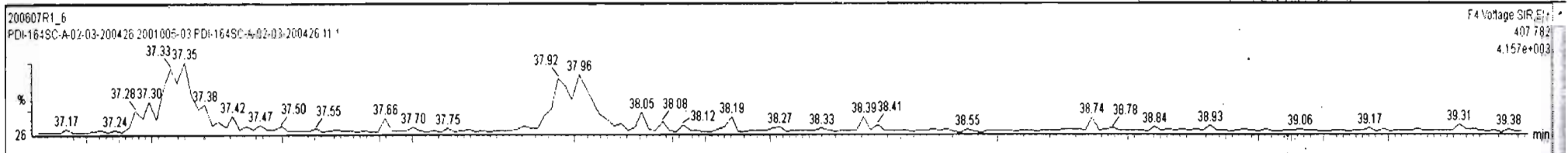
DPE4

200607R1_6



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans			0.9341	10.013			0.000		0.0267	0.230
47	Total Hepta-Furans			0.8734	10.013					0.0318	
48	PFK1										
49	PFK2										

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



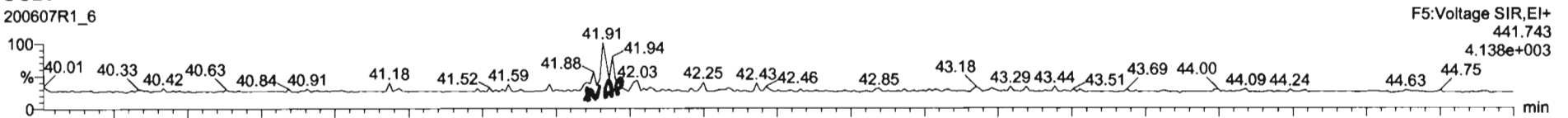
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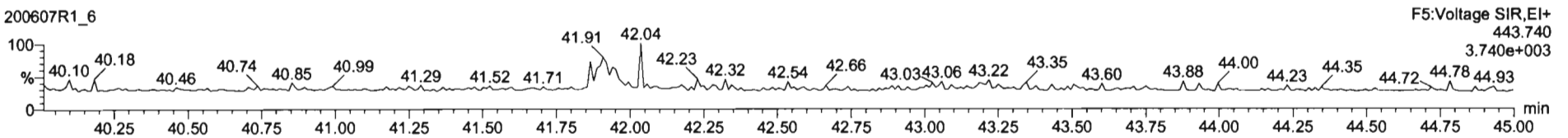
Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

OCDF

200607R1_6

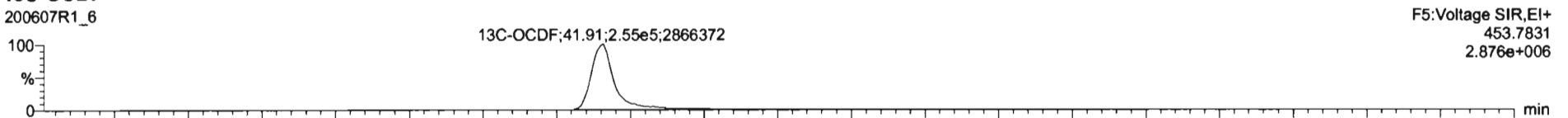


200607R1_6

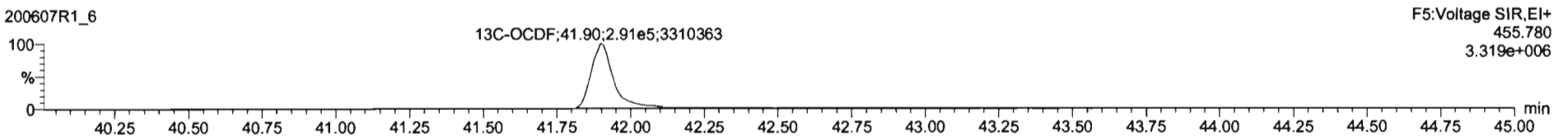


13C-OCDF

200607R1_6

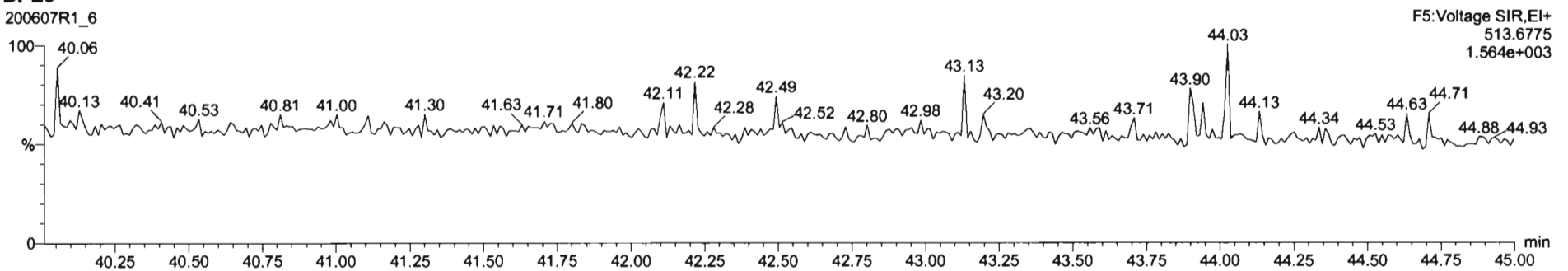


200607R1_6



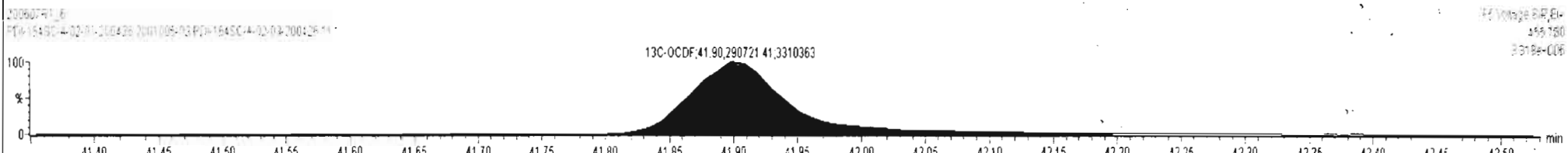
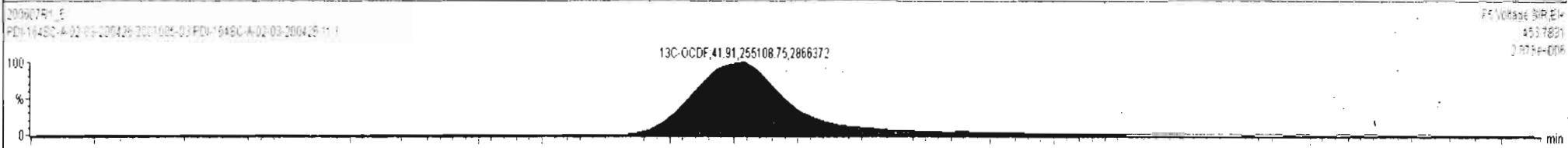
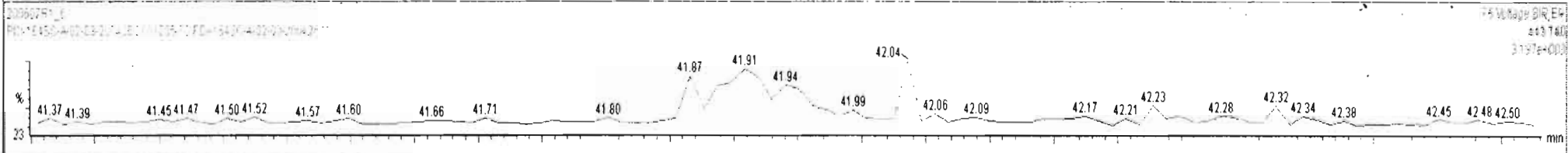
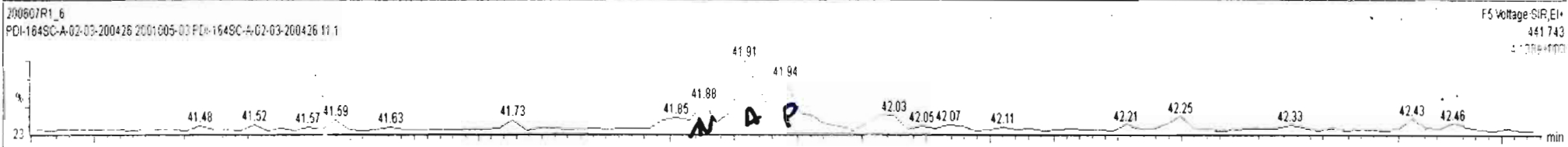
DPE5

200607R1_6



Name	Resp	RA	nly	RRF	wtAvol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF			NO	0.8065	10.013				0.114	
18	13C-2,3,7,8-TCDD	8.18e5	0.75	NO	1.1563	10.013	26.45	1.025	197	98.5	0.322
19	13C-1,2,3,7,8-PeCDD	5.80e5	0.63	NO	0.8490	10.013	31.43	1.218	190	95.3	0.483
20	13C-1,2,3,4,7,8-HxCDD	3.85e5	1.34	NO	0.7790	10.013	34.81	1.014	172	86.3	0.630

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



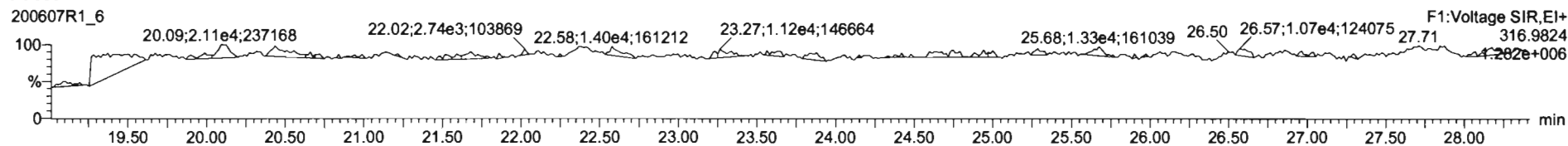
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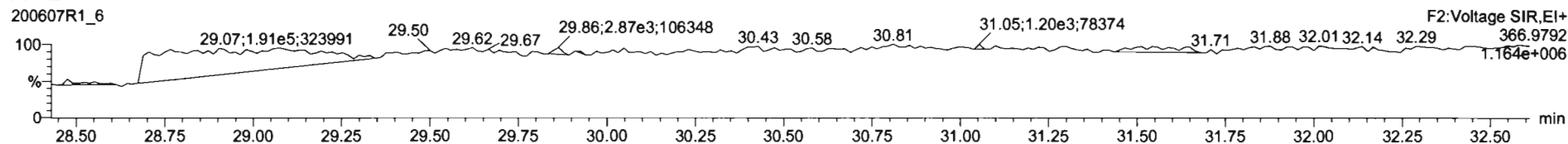
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_6, Date: 07-Jun-2020, Time: 12:34:16, ID: 2001005-03 PDI-164SC-A-02-03-200426 11.1, Description: PDI-164SC-A-02-03-200426

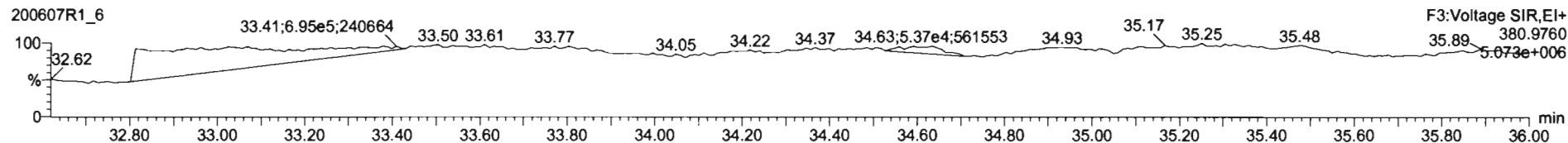
PFK1



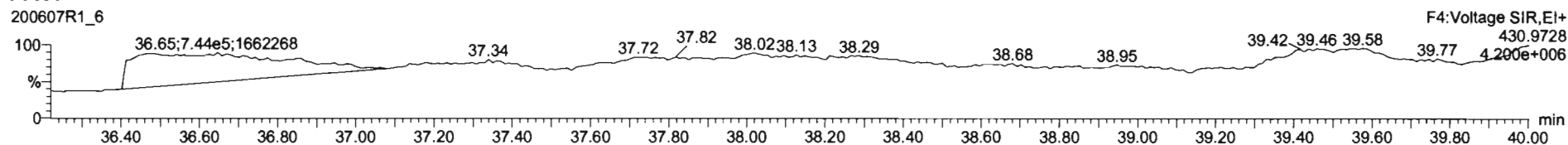
PFK2



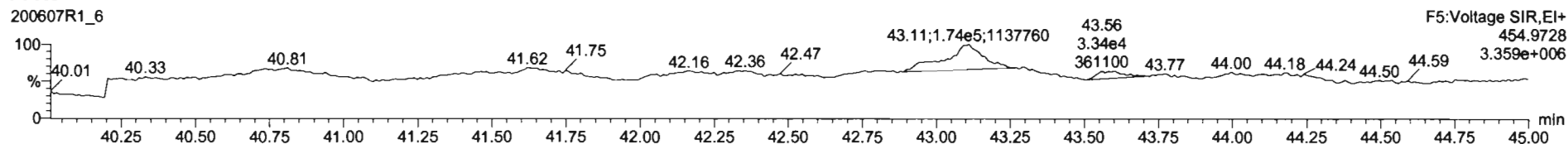
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-7.qld

Last Altered: Monday, June 08, 2020 12:17:37 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:38:15 Pacific Daylight Time

dy 06-08-2020

C1 06/10/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

#	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	0.888	10.056	26.485		1.001				0.0679	
2	1,2,3,7,8-PeCDD			NO	0.908	10.056	31.442		1.001				0.0612	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.056	34.803		1.000				0.0819	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.056	34.900		1.000				0.0852	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.056	35.188		1.000				0.101	
6	1,2,3,4,6,7,8-HpCDD	7.03e2	1.11	NO	0.864	10.056	38.725	38.72	1.000	1.000	0.51275		0.132	0.513
7	OCDD	4.59e3	0.96	NO	0.914	10.056	41.706	41.72	1.000	1.000	3.8296		0.192	3.83
8	2,3,7,8-TCDF			NO	0.751	10.056	25.582		1.001				0.0429	
9	1,2,3,7,8-PeCDF			NO	0.893	10.056	30.160		1.001				0.0342	
10	2,3,4,7,8-PeCDF			NO	0.935	10.056	31.146		1.001				0.0312	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.056	33.920		1.000				0.0410	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.056	34.058		1.000				0.0374	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.056	34.658		1.001				0.0394	
14	1,2,3,7,8,9-HxCDF			NO	0.871	10.056	35.539		1.000				0.0558	
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.056	37.333		1.001				0.0490	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.056	39.267		1.000				0.0537	
17	OCDF			NO	0.806	10.056	41.897		1.000				0.0870	
18	13C-2,3,7,8-TCDD	8.01e5	0.78	NO	1.16	10.056	26.476	26.45	1.026	1.026	190.45	95.8	0.258	
19	13C-1,2,3,7,8-PeCDD	5.99e5	0.64	NO	0.849	10.056	31.656	31.42	1.227	1.218	194.12	97.6	0.426	
20	13C-1,2,3,4,7,8-HxCDD	3.89e5	1.28	NO	0.779	10.056	34.798	34.79	1.014	1.014	175.09	88.0	0.962	
21	13C-1,2,3,6,7,8-HxCDD	5.12e5	1.25	NO	1.02	10.056	34.911	34.90	1.017	1.017	176.59	88.8	0.737	
22	13C-1,2,3,7,8,9-HxCDD	4.36e5	1.22	NO	0.903	10.056	35.182	35.18	1.025	1.025	169.55	85.2	0.831	
23	13C-1,2,3,4,6,7,8-HpCDD	3.16e5	1.03	NO	0.689	10.056	38.703	38.71	1.128	1.128	160.64	80.8	0.669	
24	13C-OCDD	5.22e5	0.88	NO	0.652	10.056	41.722	41.71	1.216	1.215	280.75	70.6	0.800	
25	13C-2,3,7,8-TCDF	1.03e6	0.76	NO	1.06	10.056	25.519	25.56	0.989	0.991	182.78	91.9	0.344	
26	13C-1,2,3,7,8-PeCDF	8.87e5	1.59	NO	0.838	10.056	30.041	30.14	1.165	1.168	199.60	100	0.770	
27	13C-2,3,4,7,8-PeCDF	8.84e5	1.59	NO	0.817	10.056	30.993	31.11	1.202	1.206	204.20	103	0.790	
28	13C-1,2,3,4,7,8-HxCDF	5.11e5	0.50	NO	1.01	10.056	33.930	33.92	0.989	0.988	177.96	89.5	0.861	
29	13C-1,2,3,6,7,8-HxCDF	6.13e5	0.51	NO	1.17	10.056	34.053	34.05	0.992	0.992	184.32	92.7	0.743	
30	13C-2,3,4,6,7,8-HxCDF	5.40e5	0.50	NO	1.02	10.056	34.626	34.62	1.009	1.009	185.41	93.2	0.849	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-7.qld

Last Altered: Monday, June 08, 2020 12:17:37 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:38:15 Pacific Daylight Time

Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.38e5	0.48	NO	0.860	10.056	35.525	35.54	1.035	1.036	178.52	89.8	1.01	
32	13C-1,2,3,4,6,7,8-HpCDF	3.60e5	0.44	NO	0.774	10.056	37.272	37.30	1.086	1.087	162.82	81.9	0.649	
33	13C-1,2,3,4,7,8,9-HpCDF	2.45e5	0.42	NO	0.521	10.056	39.300	39.27	1.145	1.144	164.99	83.0	0.965	
34	13C-OCDF	6.28e5	0.89	NO	0.746	10.056	41.894	41.90	1.221	1.221	295.44	74.3	0.754	
35	37Cl-2,3,7,8-TCDD	3.02e5			1.04	10.056	26.507	26.47	1.028	1.026	79.983	101	0.0665	
36	13C-1,2,3,4-TCDD	7.23e5	0.79	NO	1.00	10.056	25.890	25.80	1.000	1.000	198.89	100	0.299	
37	13C-1,2,3,4-TCDF	1.05e6	0.79	NO	1.00	10.056	24.360	24.10	1.000	1.000	198.89	100	0.365	
38	13C-1,2,3,4,6,9-HxCDF	5.67e5	0.50	NO	1.00	10.056	34.420	34.31	1.000	1.000	198.89	100	0.867	
39	Total Tetra-Dioxins				0.888	10.056	24.620		0.000		0.00000		0.0423	0.107
40	Total Penta-Dioxins				0.908	10.056	29.960		0.000				0.0248	
41	Total Hexa-Dioxins				0.892	10.056	33.635		0.000		0.00000		0.0502	0.258
42	Total Hepta-Dioxins				0.864	10.056	37.640		0.000		1.3291		0.132	1.33
43	Total Tetra-Furans				0.751	10.056	23.610		0.000				0.0179	
44	1st Func. Penta-Furans				0.893	10.056	27.580		0.000				0.00731	
45	Total Penta-Furans				0.893	10.056	29.275		0.000				0.0158	
46	Total Hexa-Furans				0.934	10.056	33.555		0.000				0.0149	
47	Total Hepta-Furans				0.873	10.056	37.835		0.000				0.0337	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-7.qld

Last Altered: Monday, June 08, 2020 12:17:37 Pacific Daylight Time
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Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.27	2.494e3	3.534e3	1.950e2	2.163e2	0.90	YES	0.000e0	0.00000	0.10700	0.0679

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	33.31	7.831e3	5.729e3	3.307e2	2.306e2	1.43	YES	0.000e0	0.00000	0.25800	0.0930

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.72	9.066e3	6.970e3	5.828e2	5.366e2	1.09	NO	1.119e3	0.81638	0.81600	0.132
2	1,2,3,4,6,7,8-HpCDD	38.72	7.654e3	5.504e3	3.701e2	3.329e2	1.11	NO	7.031e2	0.51275	0.51300	0.132

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\200607R1\200607R1-7.qld

Last Altered: Monday, June 08, 2020 12:17:37 Pacific Daylight Time

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Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

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

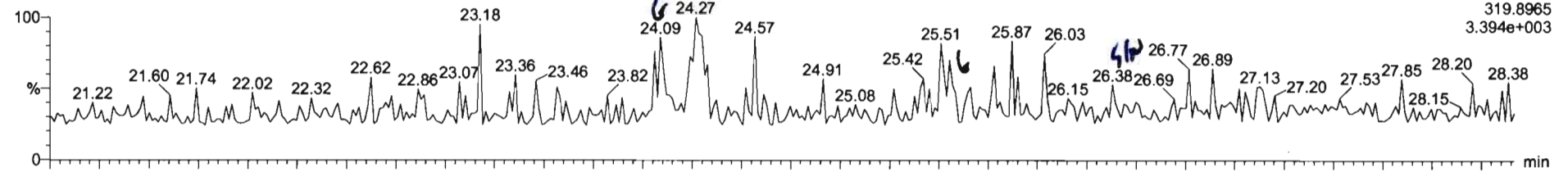
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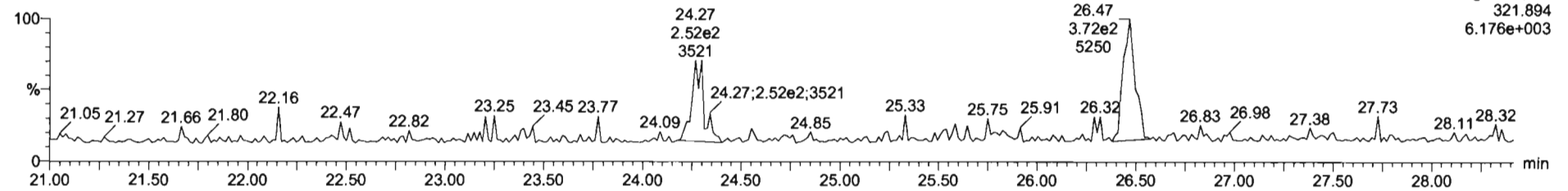
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2,3,7,8-TCDD

200607R1_7

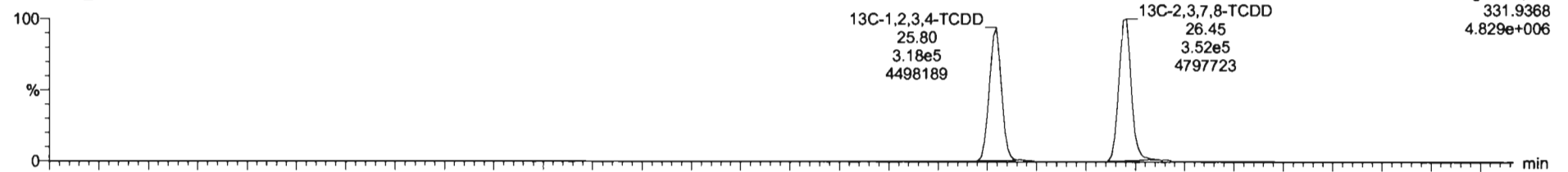


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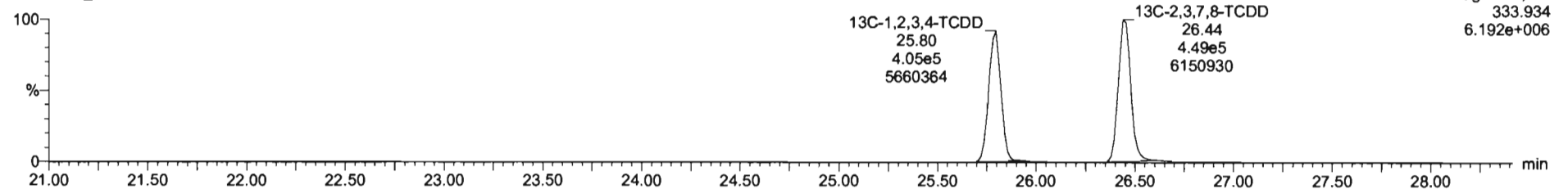


13C-2,3,7,8-TCDD

200607R1_7



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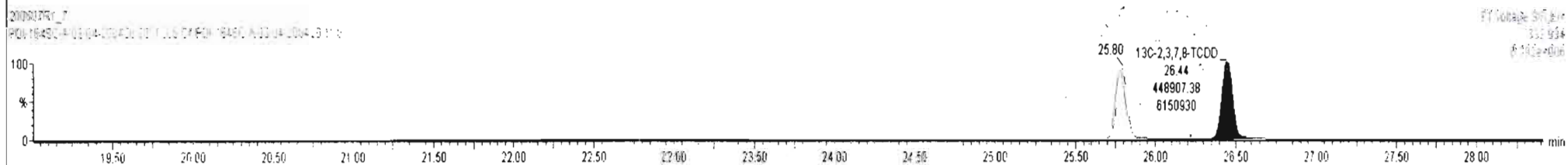
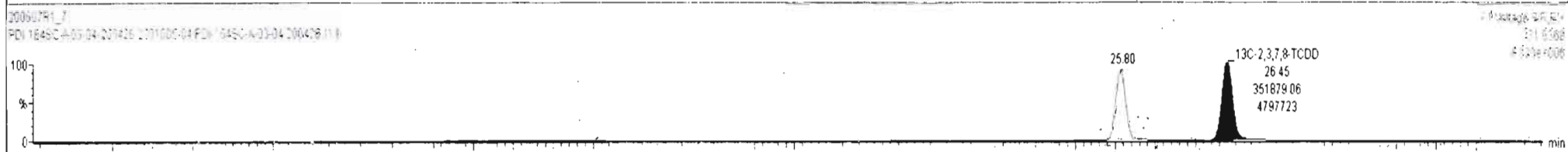
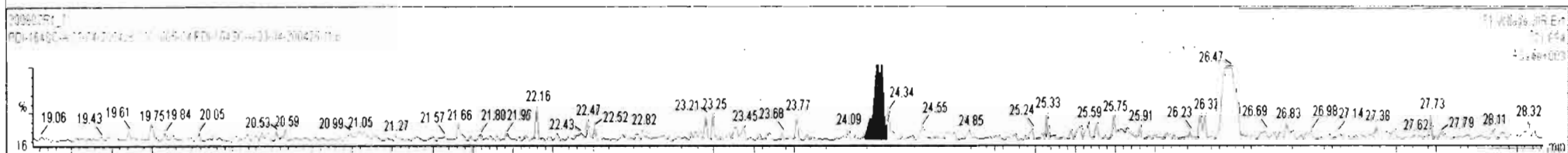
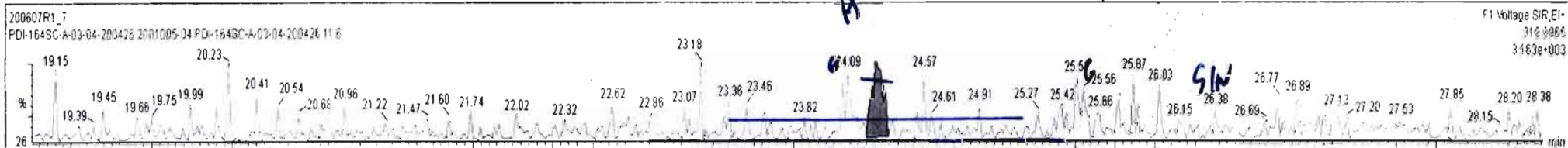




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Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8983	10.056			0.000		0.0423	0.107
40 Total Penta-Dioxins				0.9081	10.056					0.0248	
41 Total Hexa-Dioxins				0.8923	10.056			0.000		0.0502	0.258
42 Total Hepta-Dioxins				0.8639	10.056			0.817		0.134	0.817

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Dioxins	24.27	1.950e2	2.163e2	0.90	YES	0.10706	0.00000



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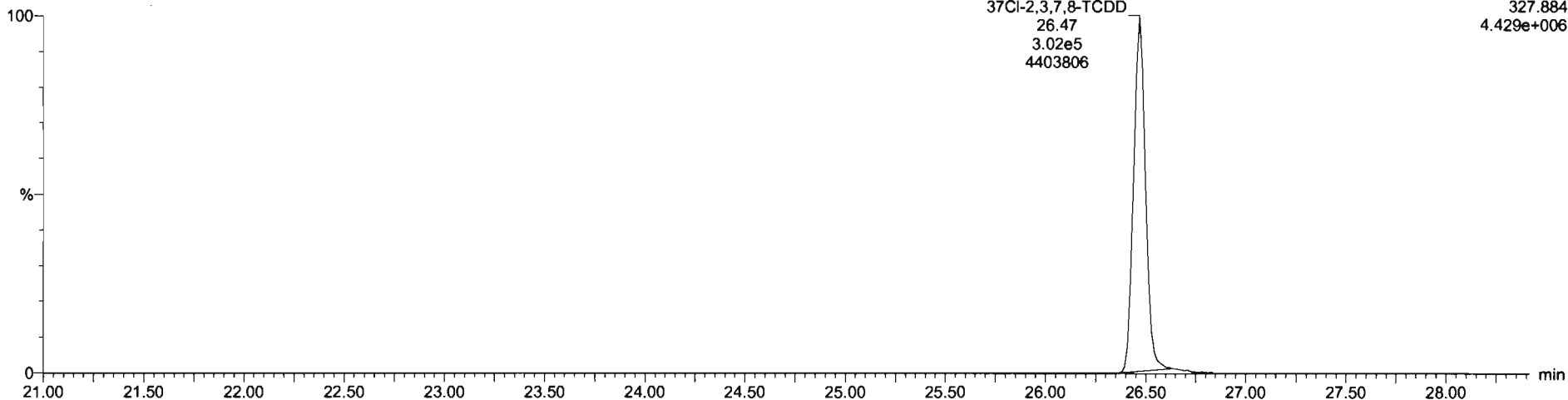
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Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

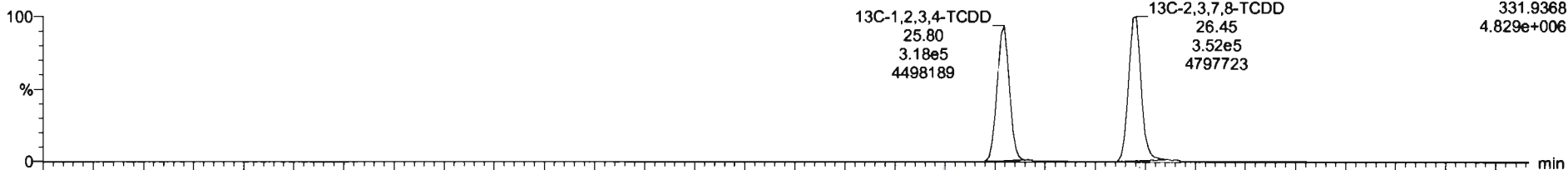
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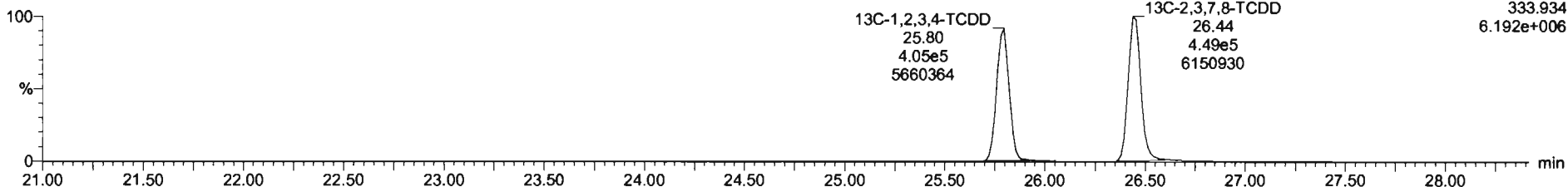


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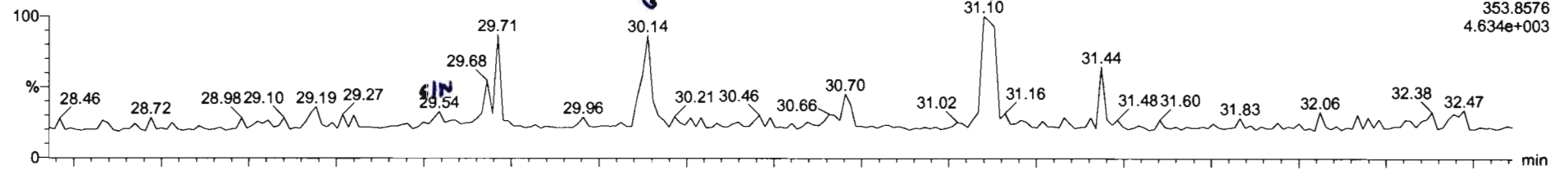
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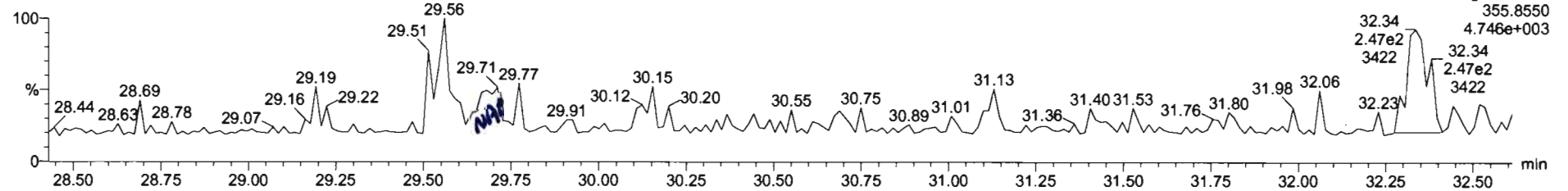
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1,2,3,7,8-PeCDD

200607R1_7

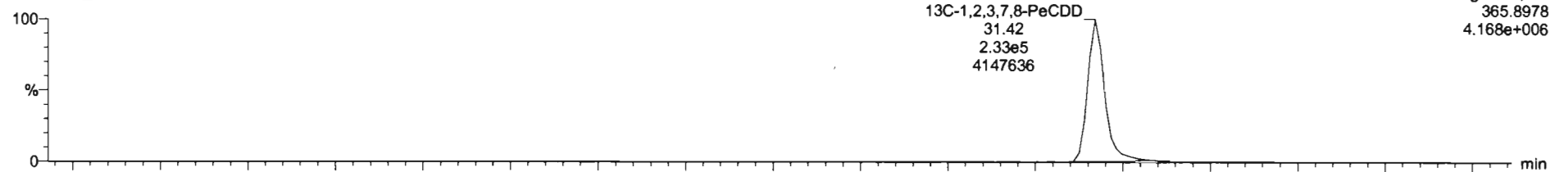


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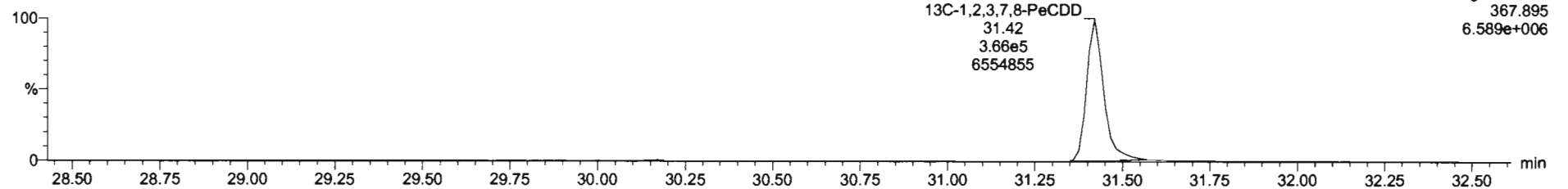


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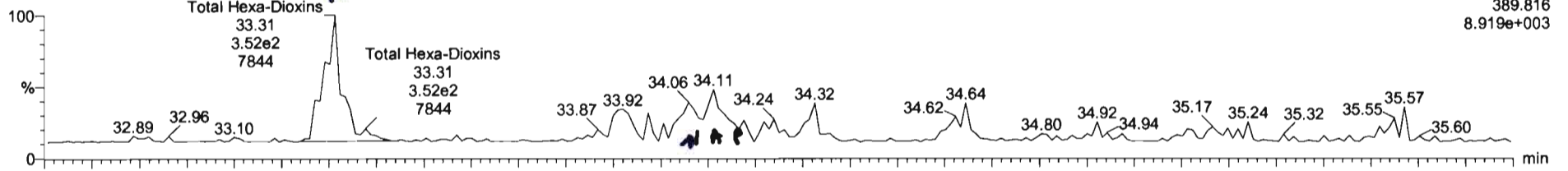
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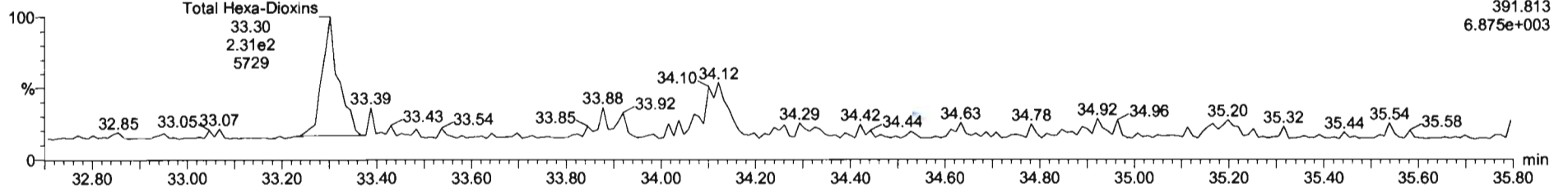
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1,2,3,4,7,8-HxCDD

200607R1_7

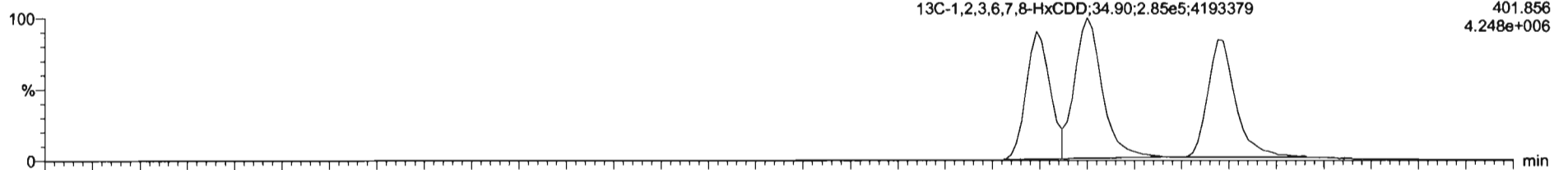


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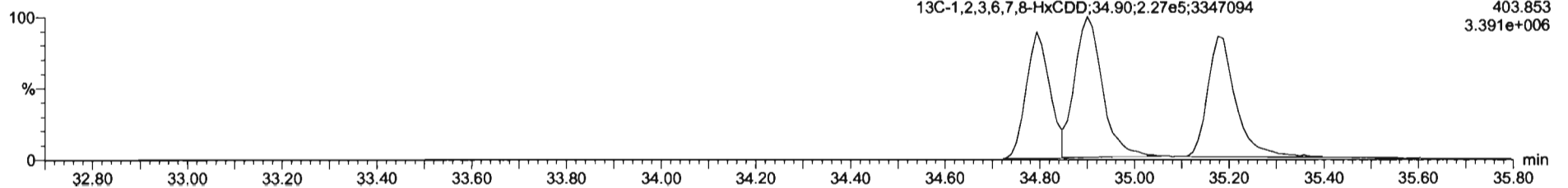


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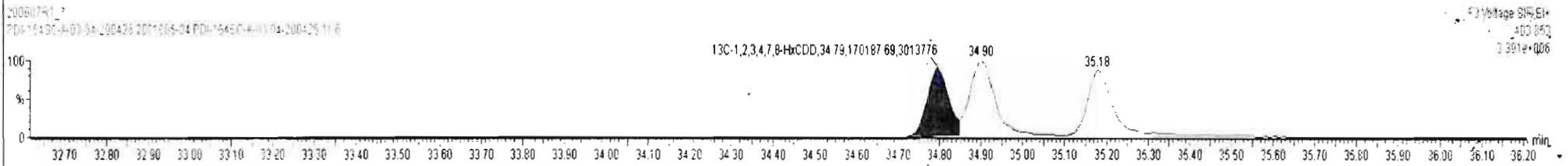
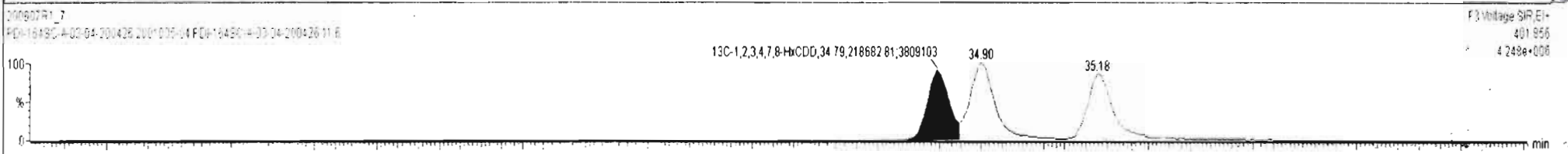
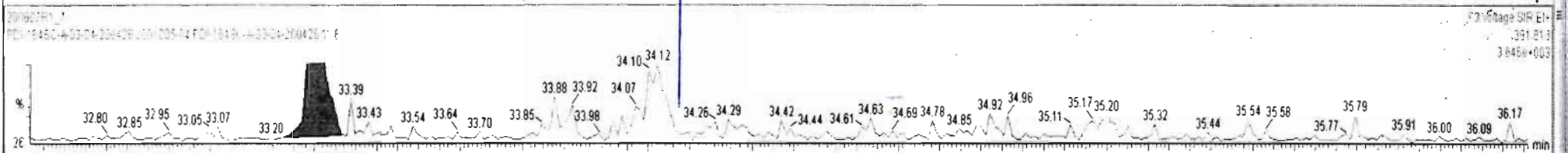
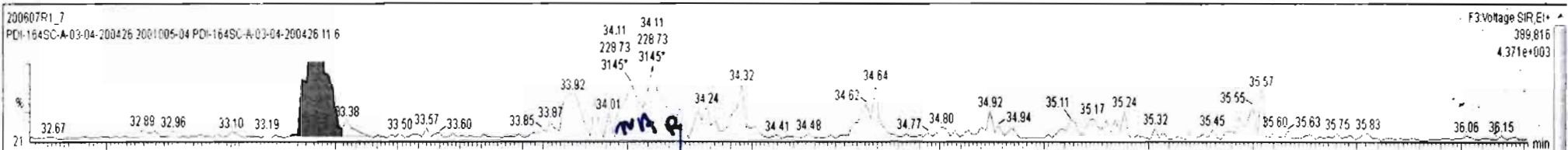
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200607R1_7_2001005-04 PDI-1645C-A-03-04-200426 11 6_ PDI-1645C-A-03-04-200426

Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.056					0.0248	
41 Total Hexa-Dioxins				0.8923	10.056			0.000		0.0502	0.258
42 Total Hepta-Dioxins				0.8639	10.056			0.817		0.134	0.817
43 Total Tetra-Furans				0.7510	10.056					0.0179	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	3.525e2	2.306e2	1.53	YES	0.25834	0.00000



Dataset: Untitled

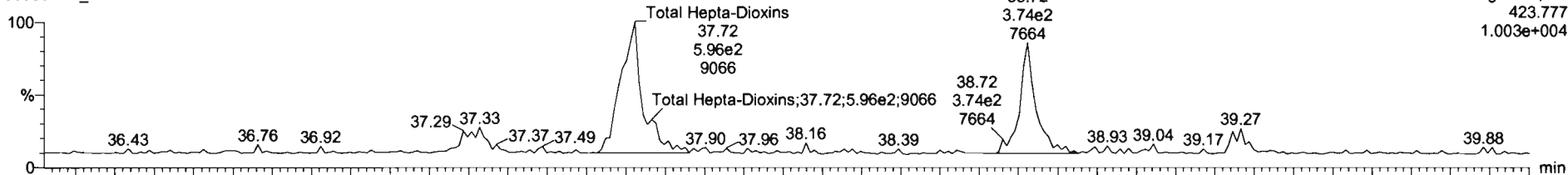
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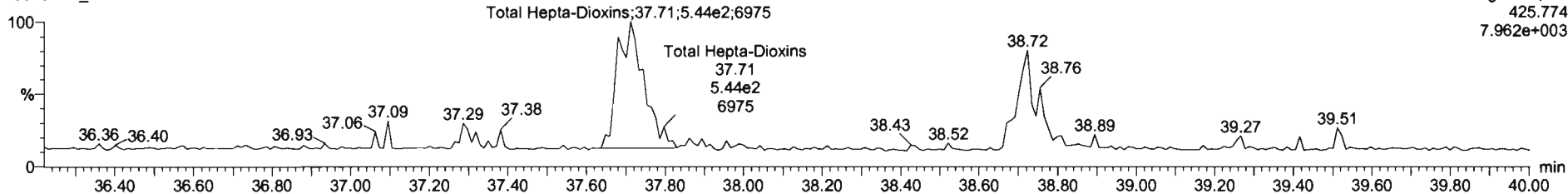
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1,2,3,4,6,7,8-HpCDD

200607R1_7

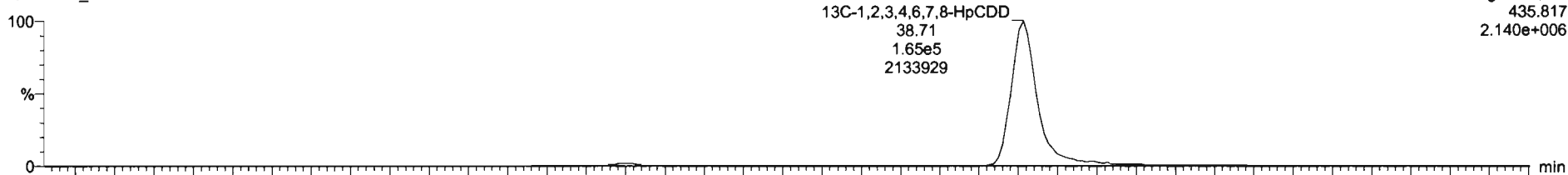


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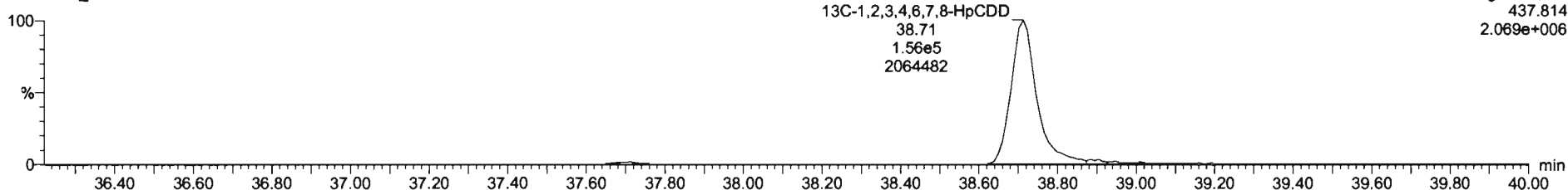


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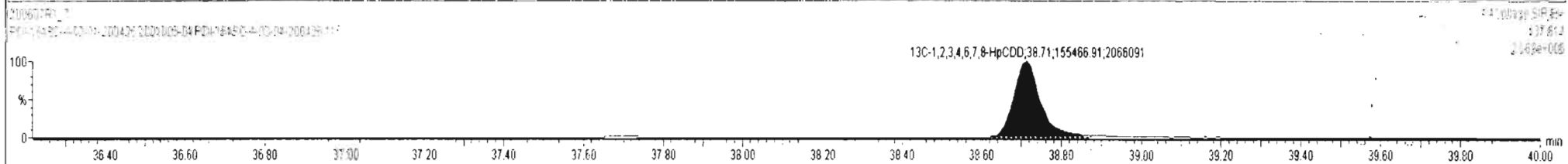
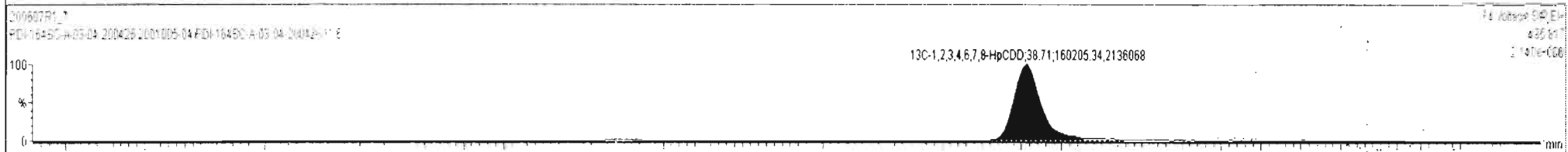
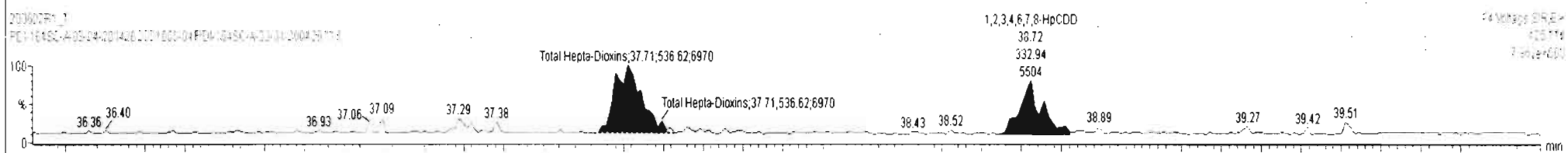
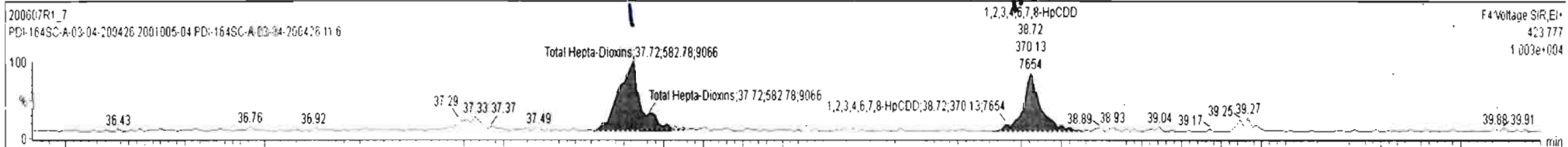


200607R1_7



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.056					0.0248	
41 Total Hexa-Dioxins				0.8923	10.056			0.000		0.0502	0.258
42 Total Hepta-Dioxins				0.8639	10.056			1.33		0.132	1.33
43 Total Tetra-Furans				0.7510	10.056					0.0179	

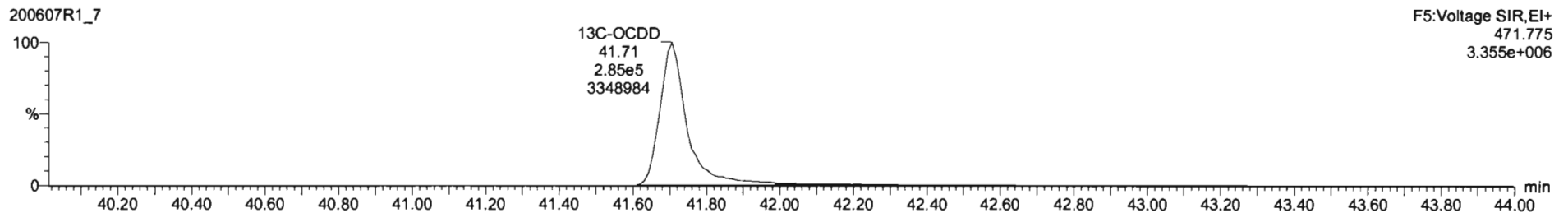
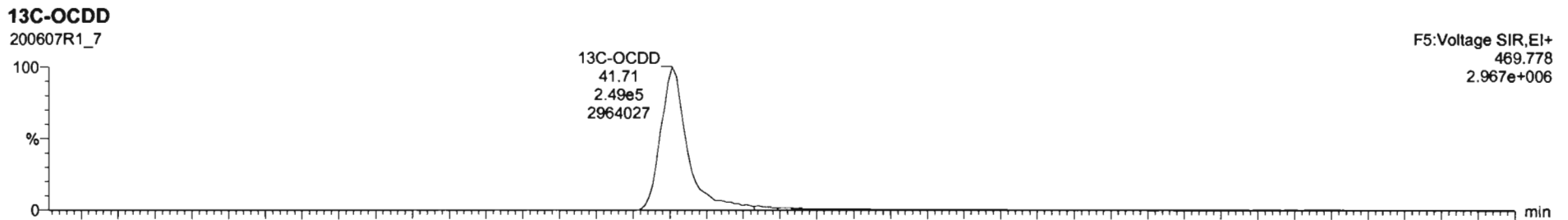
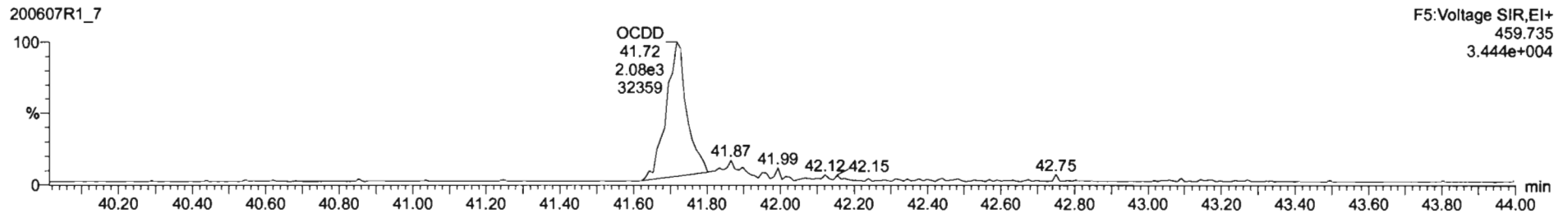
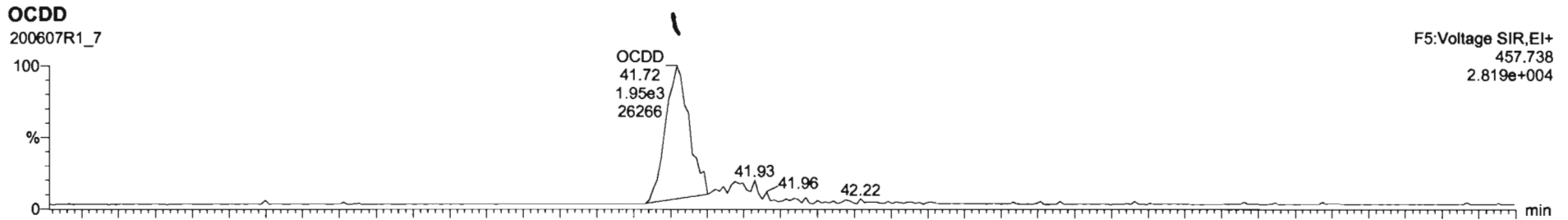
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hepta-Dioxins	37.72	5.828e2	5.366e2	1.09	NO	0.81638	0.81638
2 1,2,3,4,6,7,8-HpCDD	38.72	3.701e2	3.329e2	1.11	NO	0.51275	0.51275



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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
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Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426



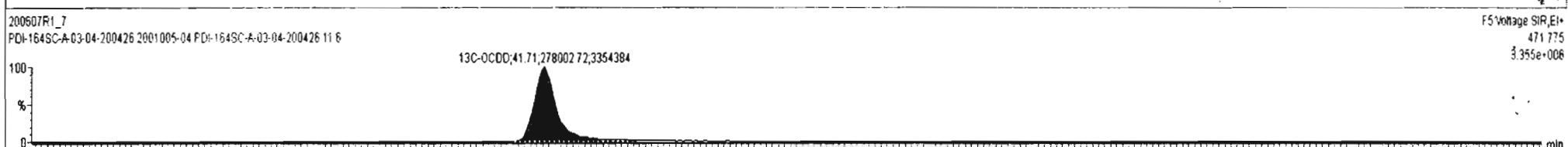
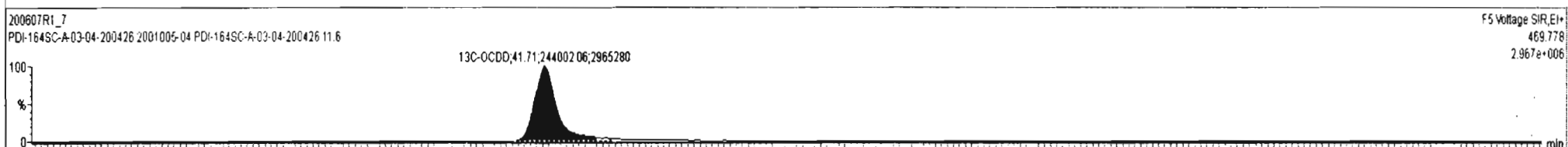
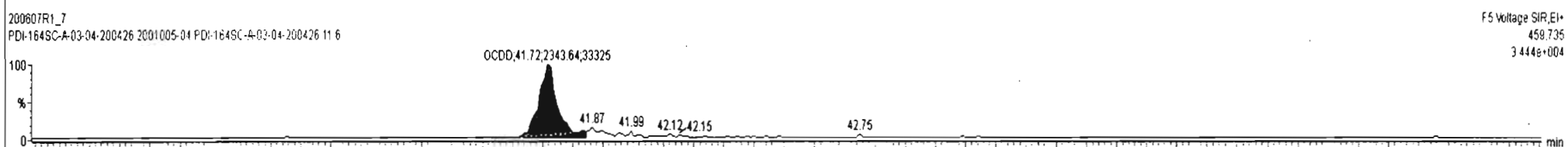
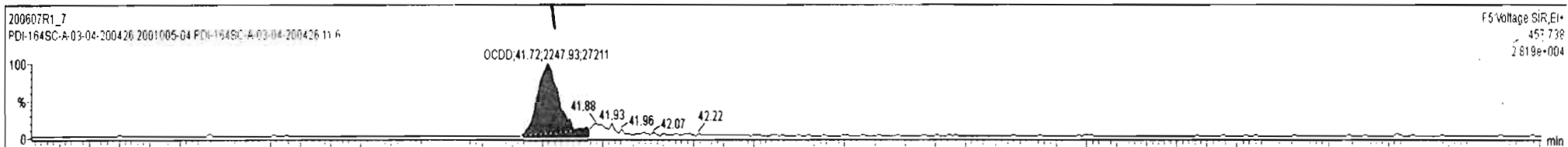
Targetlynx - 200607R1_7* - [Chromatogram]

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200607R1_7* - 2001005-04 PDI-164SC-A-03-04-200426 11.6

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	4.59e3	0.96	NO	0.9136	10.056	41.72	1.000	3.83		0.192	3.83
8 2,3,7,8-TCDF			NO	0.7510	10.056					0.0429	
9 1,2,3,7,8-PeCDF			NO	0.8925	10.056					0.0342	
10 2,3,4,7,8-PeCDF			NO	0.9348	10.056					0.0312	

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



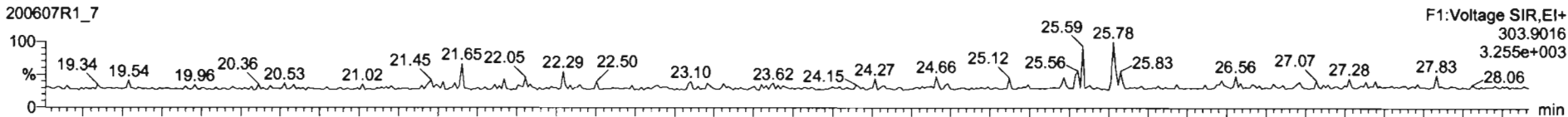
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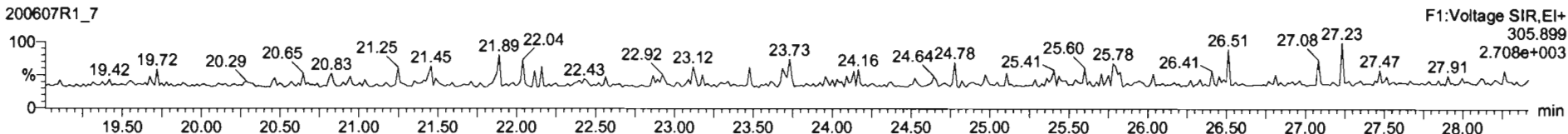
Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

2,3,7,8-TCDF

200607R1_7

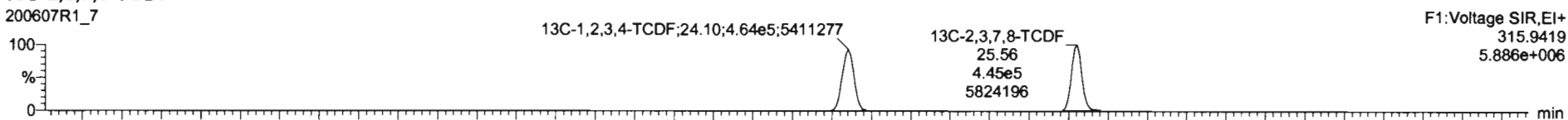


200607R1_7

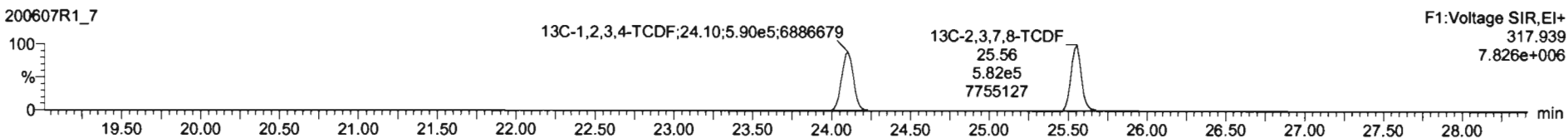


13C-2,3,7,8-TCDF

200607R1_7

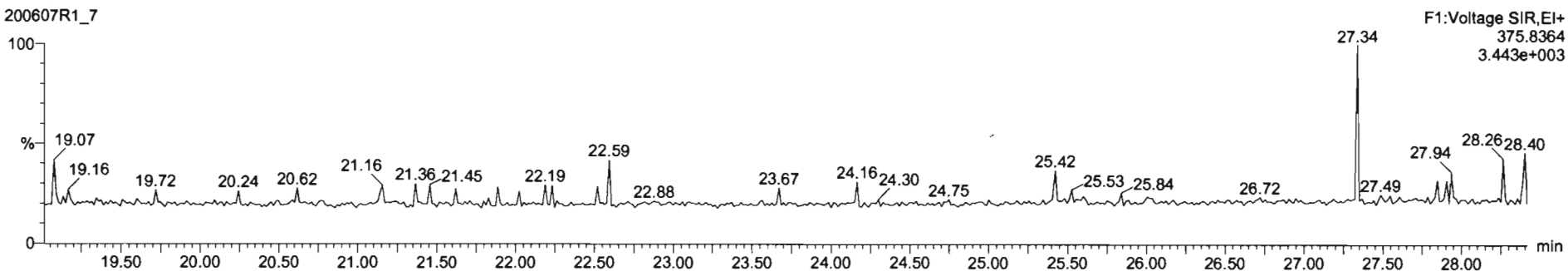


200607R1_7



DPE1

200607R1_7



Dataset: Untitled

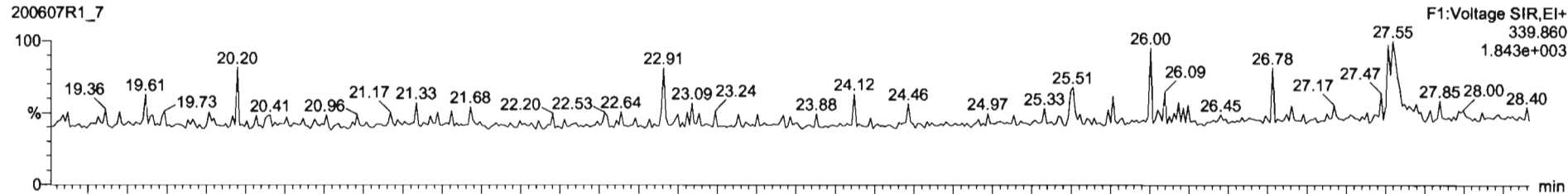
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

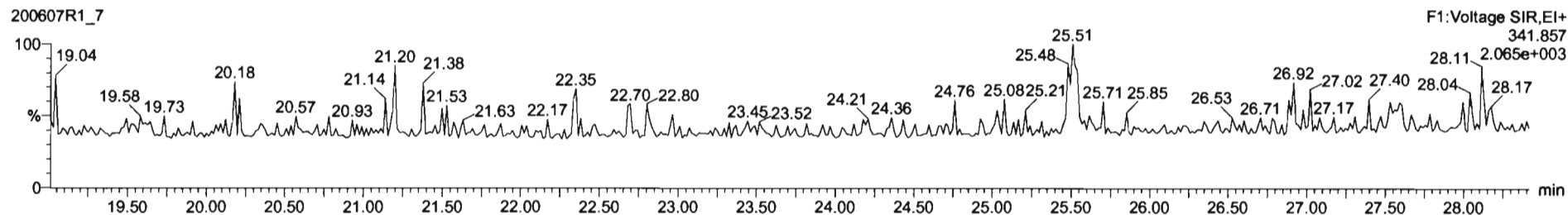
Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

1st Func. Penta-Furans

200607R1_7

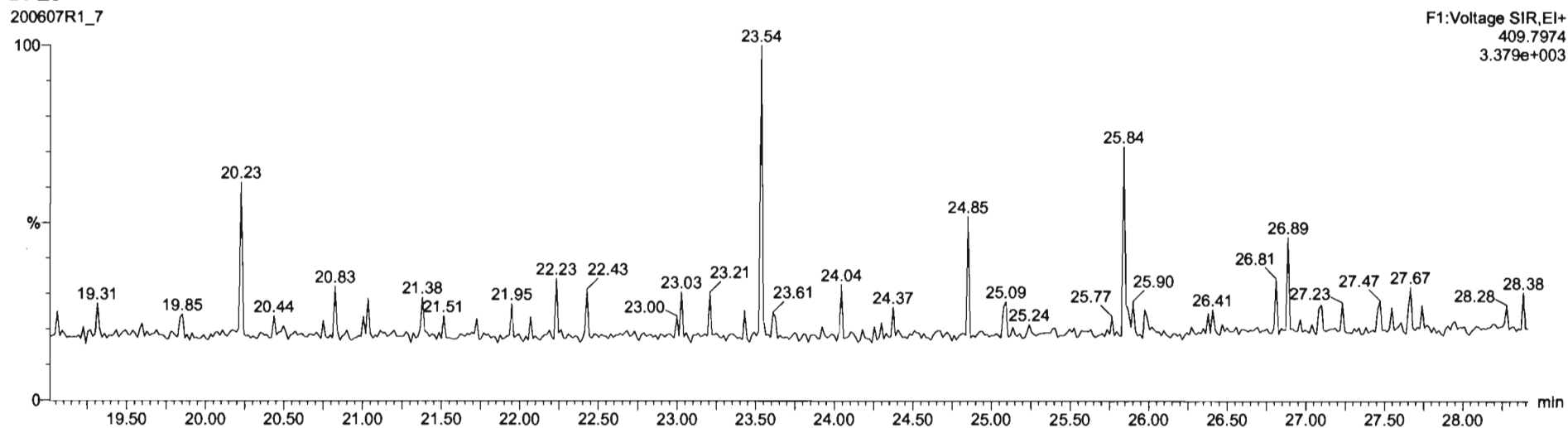


200607R1_7



DPE6

200607R1_7

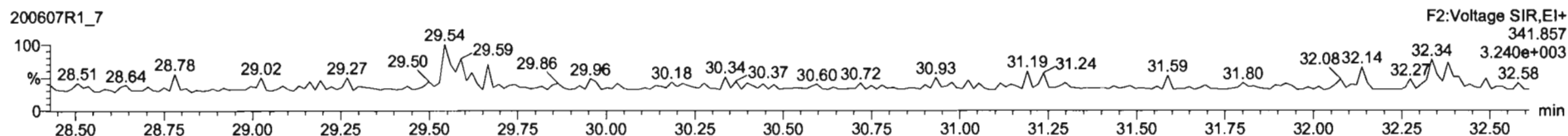
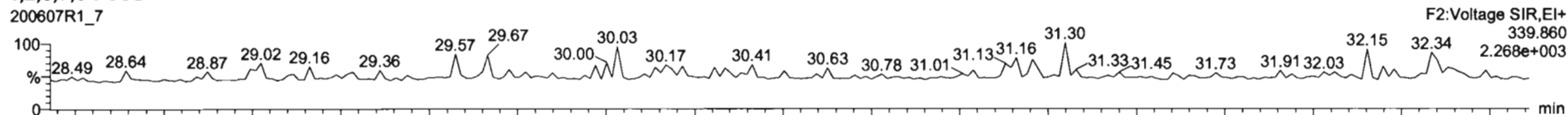


Dataset: Untitled

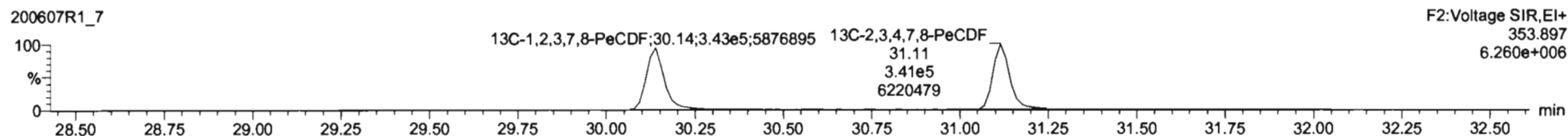
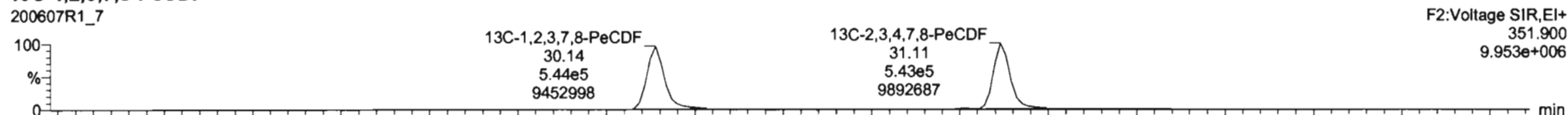
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

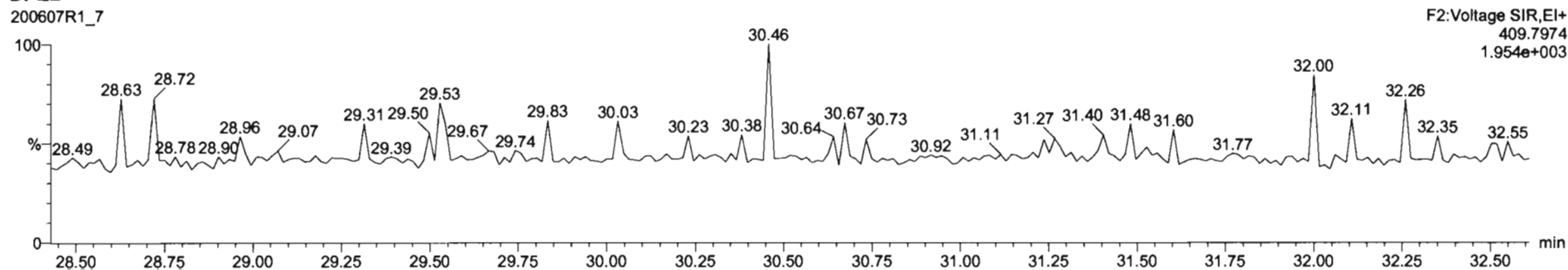
1,2,3,7,8-PeCDF



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



DPE2



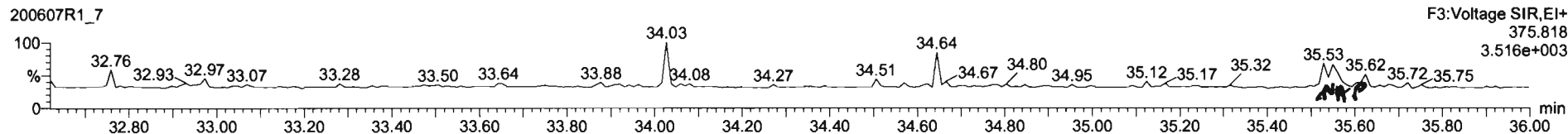
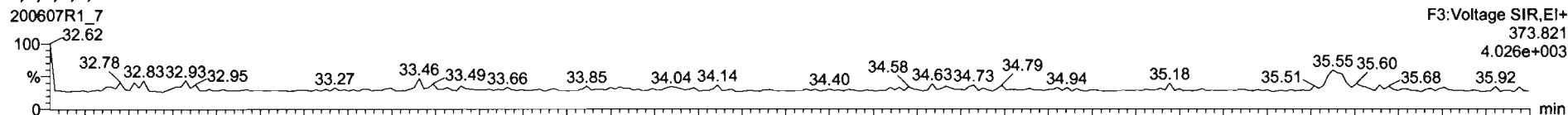
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

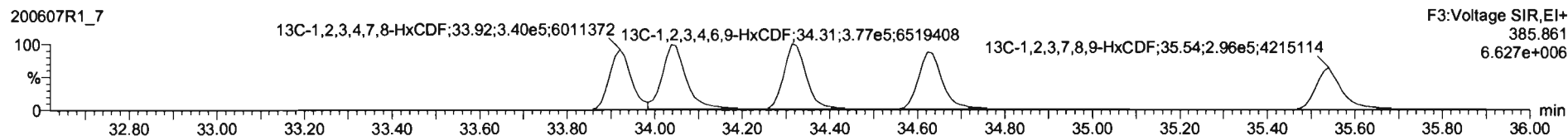
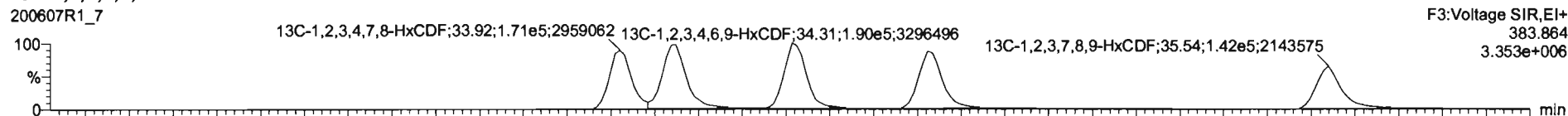
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

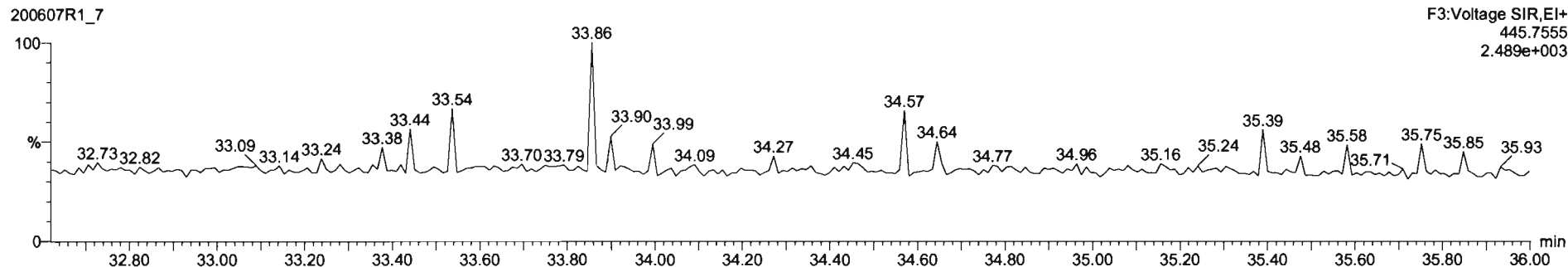
1,2,3,4,7,8-HxCDF



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

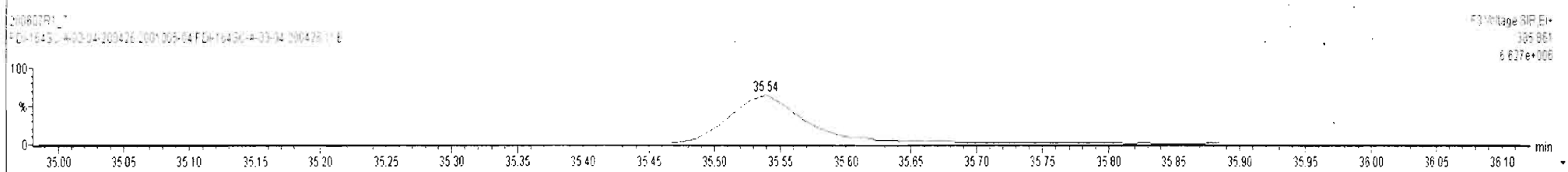
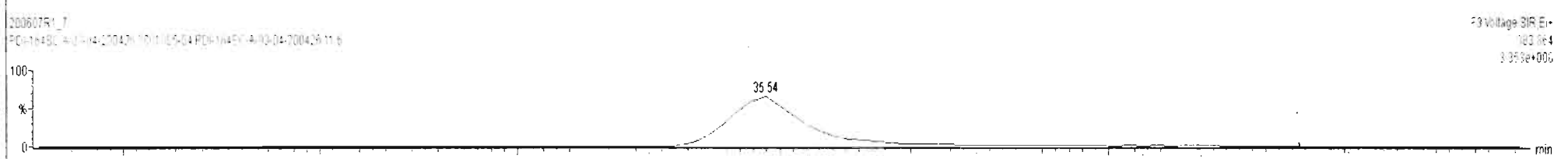
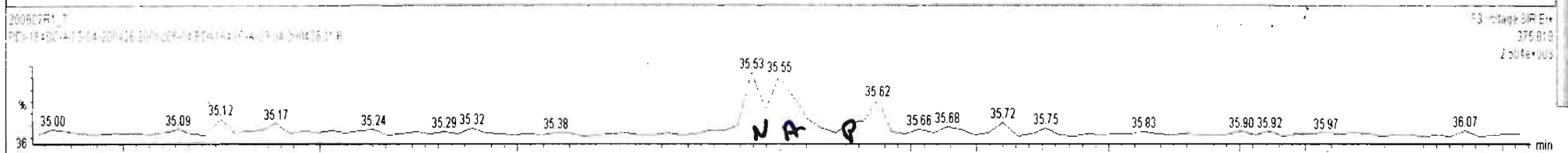
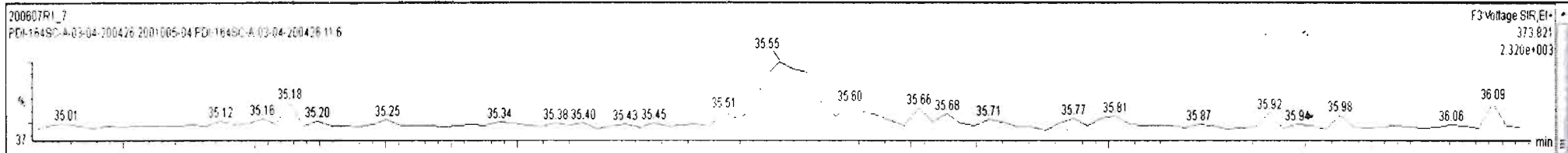


DPE3



Name	Resp	RA	nly	RRF	wtVol	RT	RR1	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.056					0.0179	
44 1st Func. Penta-Furans				0.8925	10.056					0.00731	
45 Total Penta-Furans				0.8925	10.056					0.0156	
46 Total Hexa-Furans				0.8941	10.056					0.01481	

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

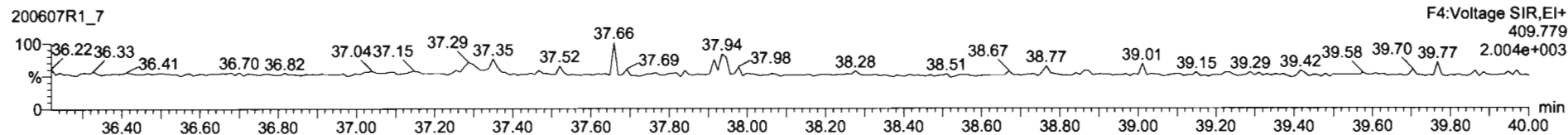
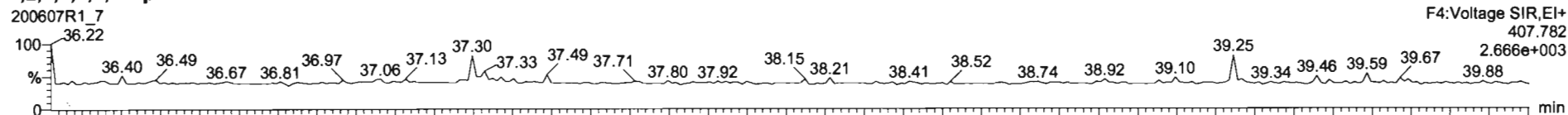


Dataset: Untitled

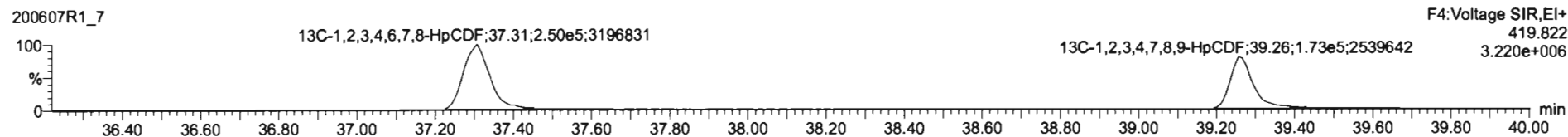
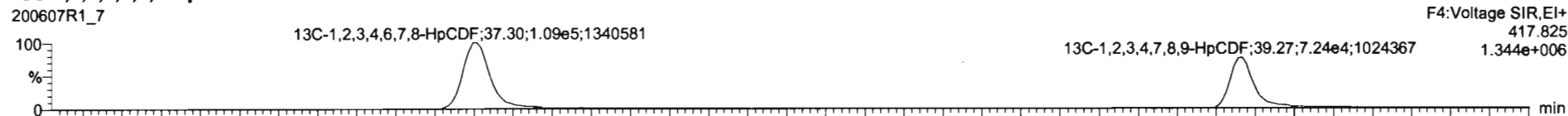
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

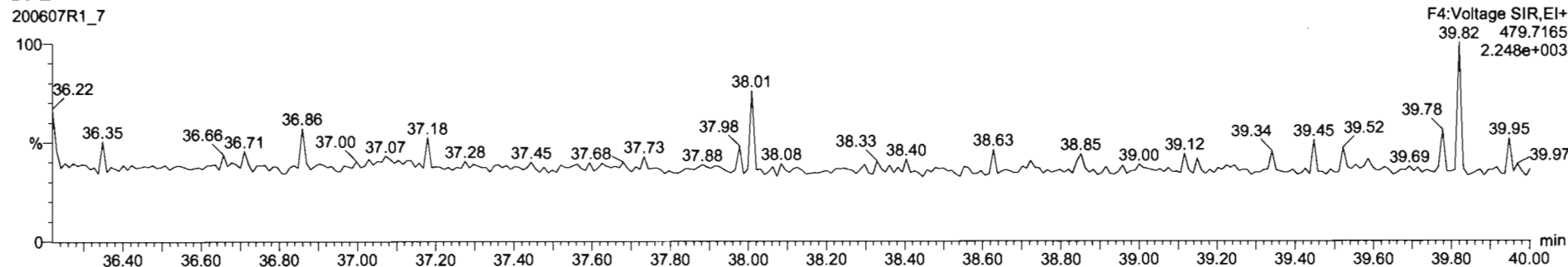
1,2,3,4,6,7,8-HpCDF



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



DPE4

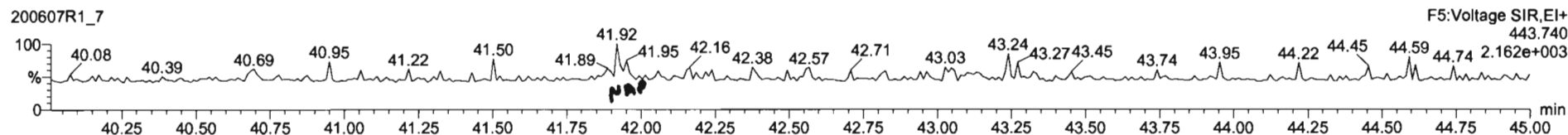
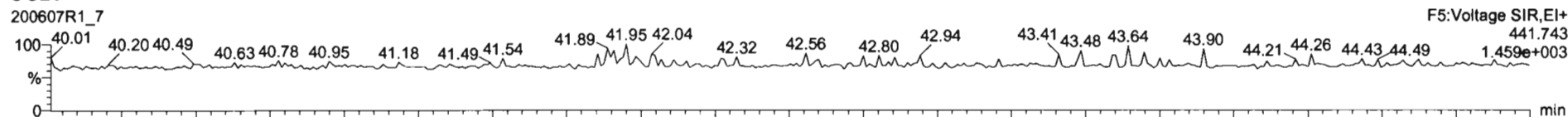


Dataset: Untitled

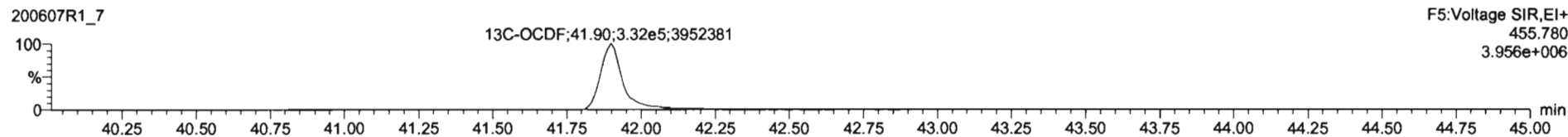
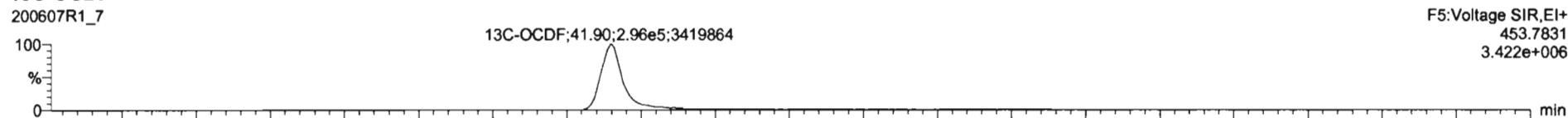
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

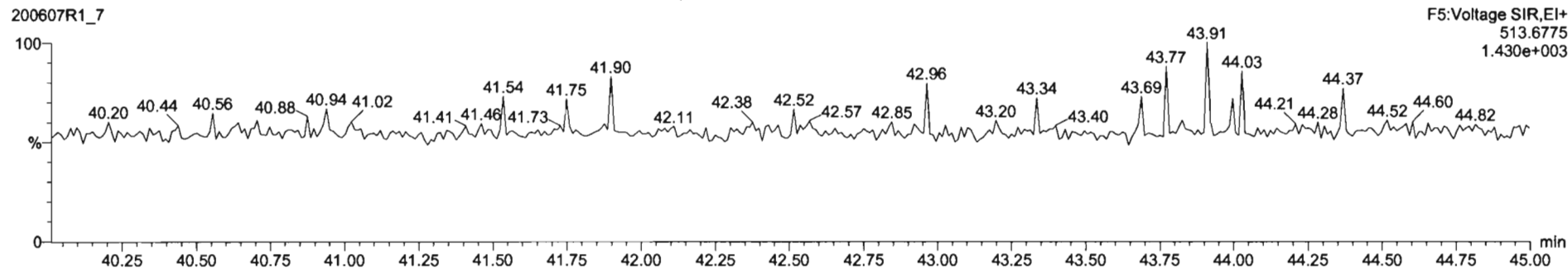
OCDF



13C-OCDF



DPE5



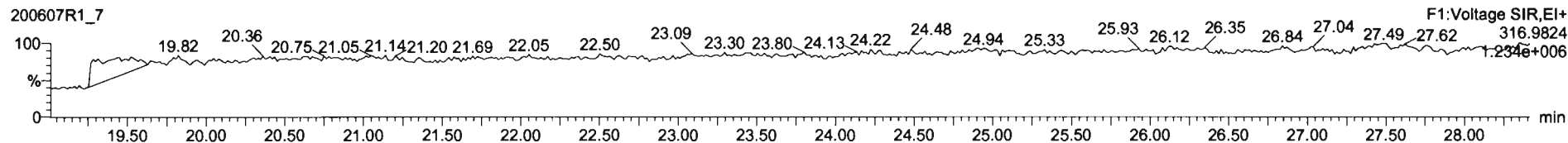
Dataset: Untitled

Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

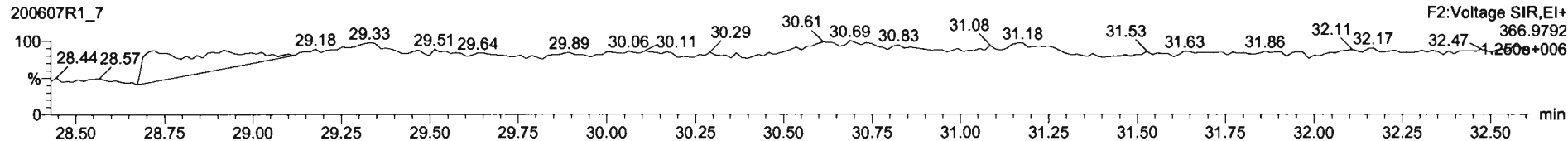
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_7, Date: 07-Jun-2020, Time: 13:20:26, ID: 2001005-04 PDI-164SC-A-03-04-200426 11.6, Description: PDI-164SC-A-03-04-200426

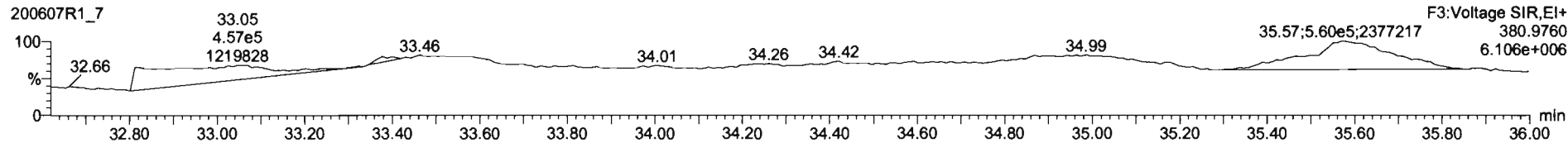
PFK1



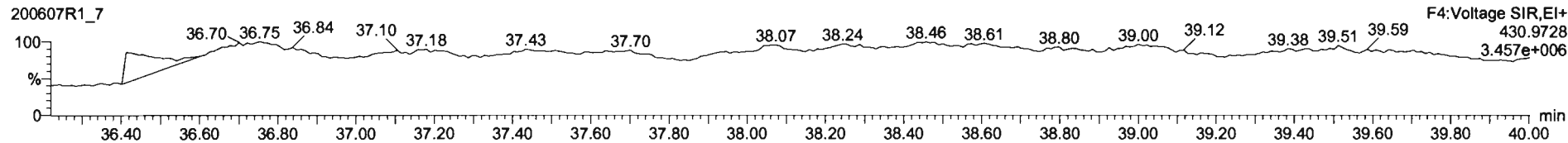
PFK2



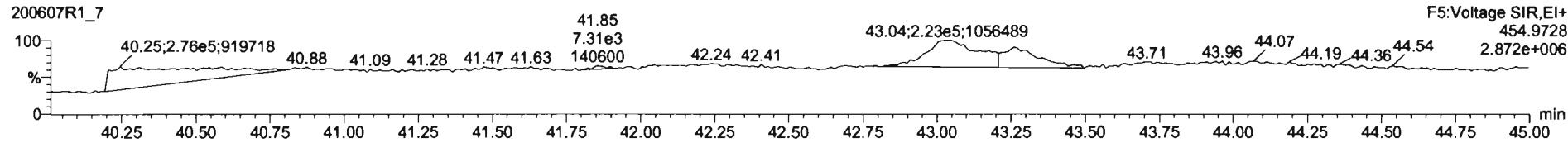
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-8.qld

Last Altered: Monday, June 08, 2020 14:31:23 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:33:17 Pacific Daylight Time

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(7 06/09/2020)

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.100	26.486		1.001				0.0696	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.100	31.457		1.001				0.0869	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.100	34.814		1.000				0.0910	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.100	34.911		1.000				0.0885	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.100	35.209		1.000				0.104	
6	6 1,2,3,4,6,7,8-HpCDD	8.03e2	0.98	NO	0.864	10.100	38.746	38.76	1.000	1.001	0.68169		0.147	0.682
7	7 OCDD	4.07e3	0.98	NO	0.914	10.100	41.706	41.71	1.000	1.000	3.9543		0.214	3.95
8	8 2,3,7,8-TCDF			NO	0.751	10.100	25.582		1.001				0.0494	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.100	30.160		1.001				0.0534	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.100	31.161		1.001				0.0460	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.100	33.931		1.000				0.0312	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.100	34.069		1.000				0.0277	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.100	34.680		1.001				0.0287	
14	14 1,2,3,7,8,9-HxCDF	1.28e2	0.78	YES	0.871	10.100	35.561	35.57	1.000	1.000	0.075884		0.0277	0.0600
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.100	37.365		1.001				0.0432	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.100	39.278		1.000				0.0480	
17	17 OCDF			NO	0.806	10.100	41.897		1.000				0.0818	
18	18 13C-2,3,7,8-TCDD	6.53e5	0.79	NO	1.16	10.100	26.476	26.45	1.026	1.026	175.35	88.5	0.214	
19	19 13C-1,2,3,7,8-PeCDD	5.29e5	0.63	NO	0.849	10.100	31.656	31.43	1.227	1.219	193.52	97.7	0.411	
20	20 13C-1,2,3,4,7,8-HxCDD	3.37e5	1.27	NO	0.779	10.100	34.820	34.80	1.014	1.014	166.16	83.9	0.497	
21	21 13C-1,2,3,6,7,8-HxCDD	4.55e5	1.26	NO	1.02	10.100	34.933	34.91	1.017	1.017	171.65	86.7	0.381	
22	22 13C-1,2,3,7,8,9-HxCDD	3.95e5	1.30	NO	0.903	10.100	35.205	35.20	1.025	1.025	168.04	84.9	0.429	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.04	NO	0.689	10.100	38.728	38.73	1.128	1.128	150.33	75.9	0.523	
24	24 13C-OCDD	4.47e5	0.89	NO	0.652	10.100	41.749	41.71	1.216	1.215	262.78	66.3	0.823	
25	25 13C-2,3,7,8-TCDF	8.28e5	0.76	NO	1.06	10.100	25.519	25.56	0.989	0.991	161.22	81.4	0.328	
26	26 13C-1,2,3,7,8-PeCDF	7.75e5	1.59	NO	0.838	10.100	30.041	30.14	1.165	1.168	190.54	96.2	0.690	
27	27 13C-2,3,4,7,8-PeCDF	7.70e5	1.60	NO	0.817	10.100	30.993	31.13	1.202	1.207	194.31	98.1	0.708	
28	28 13C-1,2,3,4,7,8-HxCDF	4.49e5	0.50	NO	1.01	10.100	33.951	33.93	0.989	0.988	170.83	86.3	0.719	
29	29 13C-1,2,3,6,7,8-HxCDF	5.57e5	0.51	NO	1.17	10.100	34.075	34.06	0.992	0.992	183.08	92.5	0.620	
30	30 13C-2,3,4,6,7,8-HxCDF	4.94e5	0.49	NO	1.02	10.100	34.648	34.65	1.009	1.009	185.45	93.7	0.709	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-8.qld

Last Altered: Monday, June 08, 2020 14:31:23 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:33:17 Pacific Daylight Time

Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.85e5	0.49	NO	0.860	10.100	35.548	35.56	1.035	1.036	171.66	86.7	0.842	
32	13C-1,2,3,4,6,7,8-HpCDF	3.20e5	0.43	NO	0.774	10.100	37.296	37.33	1.086	1.087	158.48	80.0	0.675	
33	13C-1,2,3,4,7,8,9-HpCDF	2.17e5	0.44	NO	0.521	10.100	39.325	39.28	1.145	1.144	160.11	80.9	1.00	
34	13C-OCDF	5.29e5	0.91	NO	0.746	10.100	41.921	41.90	1.221	1.220	272.05	68.7	0.625	
35	37Cl-2,3,7,8-TCDD	2.51e5			1.04	10.100	26.507	26.47	1.028	1.026	75.260	95.0	0.0442	
36	13C-1,2,3,4-TCDD	6.38e5	0.79	NO	1.00	10.100	25.890	25.80	1.000	1.000	198.02	100	0.247	
37	13C-1,2,3,4-TCDF	9.61e5	0.79	NO	1.00	10.100	24.360	24.10	1.000	1.000	198.02	100	0.348	
38	13C-1,2,3,4,6,9-HxCDF	5.16e5	0.51	NO	1.00	10.100	34.420	34.34	1.000	1.000	198.02	100	0.724	
39	Total Tetra-Dioxins				0.888	10.100	24.620		0.000		0.10161		0.0400	0.102
40	Total Penta-Dioxins				0.908	10.100	29.960		0.000		0.00000		0.0449	0.0380
41	Total Hexa-Dioxins				0.892	10.100	33.635		0.000		0.34575		0.0984	0.346
42	Total Hepta-Dioxins				0.864	10.100	37.640		0.000		1.9299		0.147	1.93
43	Total Tetra-Furans				0.751	10.100	23.610		0.000				0.0186	
44	1st Func. Penta-Furans				0.893	10.100	27.580		0.000				0.00976	
45	Total Penta-Furans				0.893	10.100	29.275		0.000				0.0197	
46	Total Hexa-Furans				0.934	10.100	33.555		0.000		0.00000		0.0185	0.0600
47	Total Hepta-Furans				0.873	10.100	37.835		0.000				0.0263	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-8.qld

Last Altered: Monday, June 08, 2020 14:31:23 Pacific Daylight Time
 Printed: Monday, June 08, 2020 16:33:17 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.30	2.306e3	3.204e3	1.339e2	1.638e2	0.82	NO	2.977e2	0.10161	0.10200	0.0400

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.56	1.484e3	4.475e3	3.577e1	1.593e2	0.22	YES	0.000e0	0.00000	0.038000	0.0449

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.32	7.198e3	6.833e3	3.368e2	2.800e2	1.20	NO	6.168e2	0.34575	0.34600	0.0984

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.72	1.036e4	8.226e3	7.848e2	6.859e2	1.14	NO	1.471e3	1.2482	1.2480	0.147
2	1,2,3,4,6,7,8-HpCDD	38.76	6.162e3	6.246e3	3.972e2	4.059e2	0.98	NO	8.032e2	0.68169	0.68200	0.147

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-8.qld

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Printed: Monday, June 08, 2020 16:33:17 Pacific Daylight Time

Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

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	1,2,3,7,8,9-HxCDF	35.57	2.252e3	2.292e3	5.588e1	7.194e1	0.78	YES	1.278e2	0.00000	0.060000	0.0277

Hepta-Furans

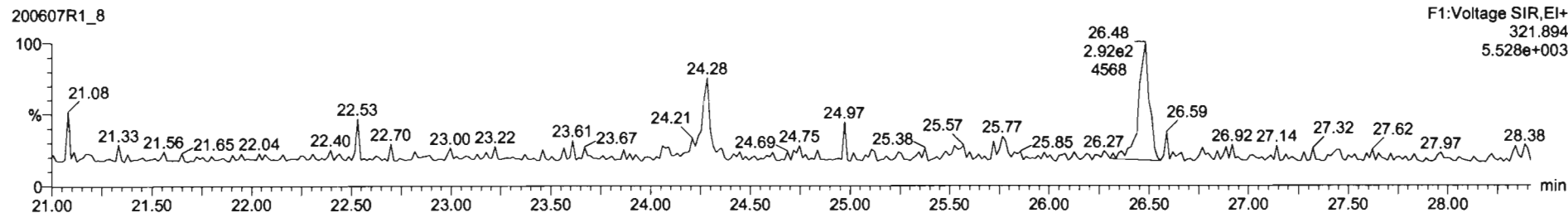
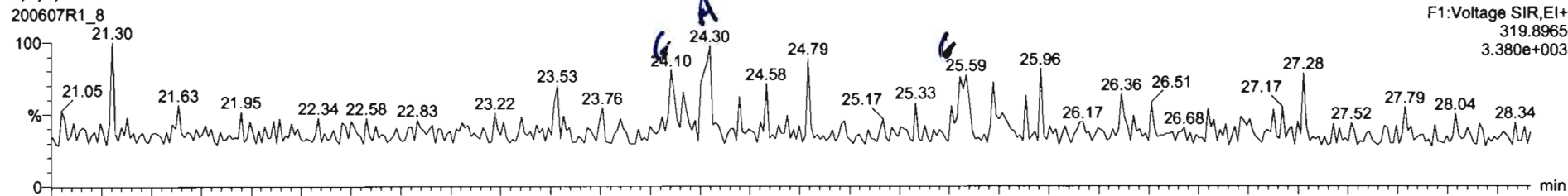
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
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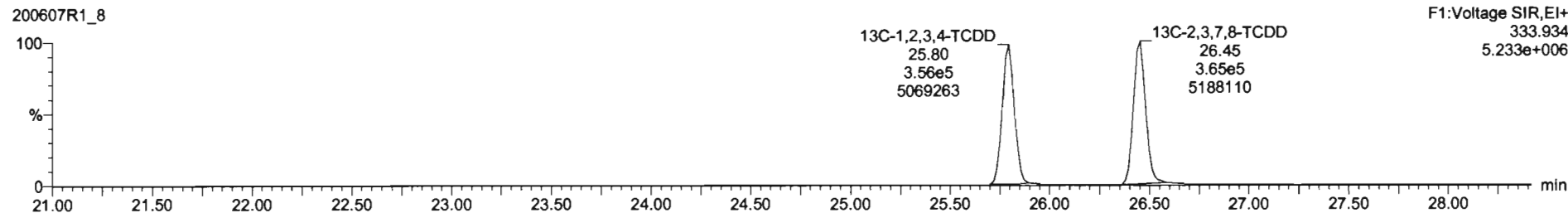
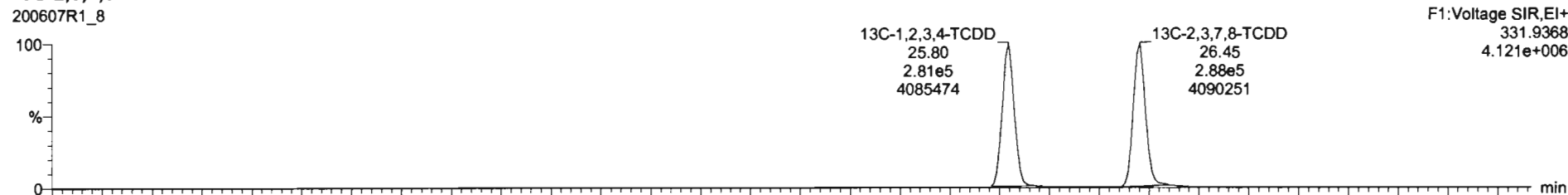
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Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

2,3,7,8-TCDD



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



Dataset: Untitled

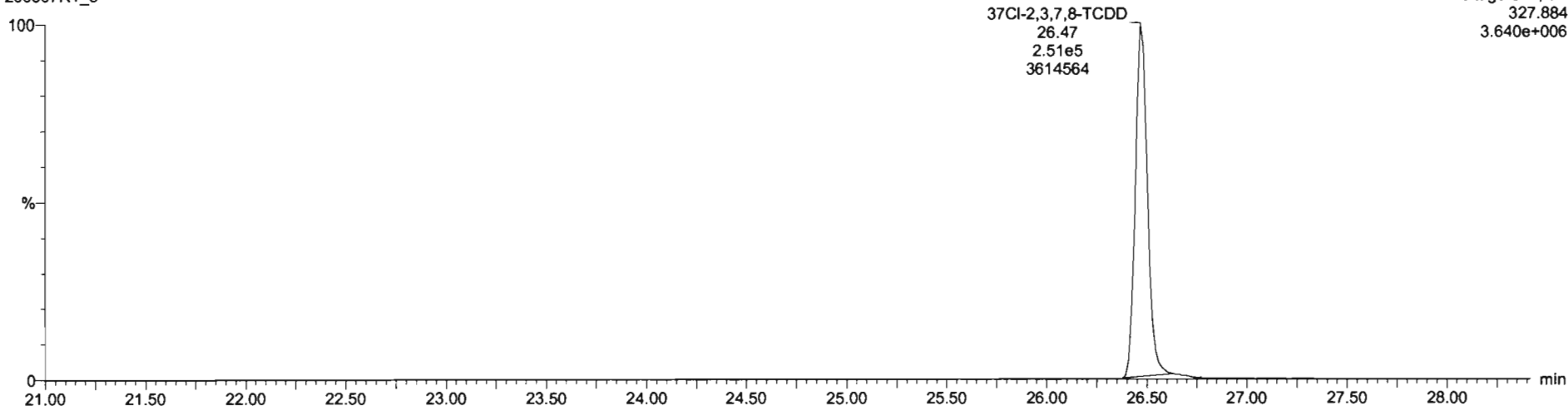
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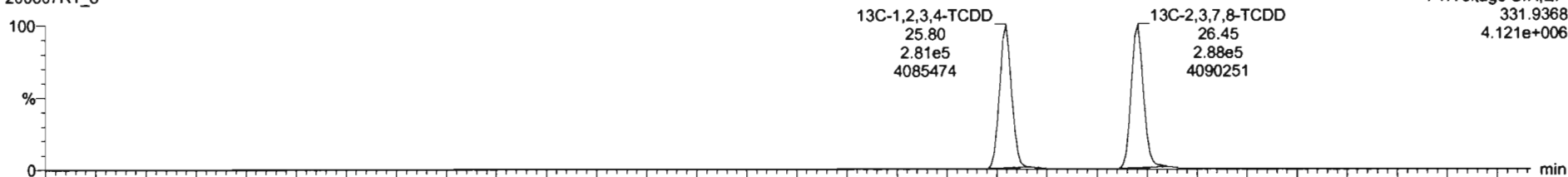
37Cl-2,3,7,8-TCDD

200607R1_8

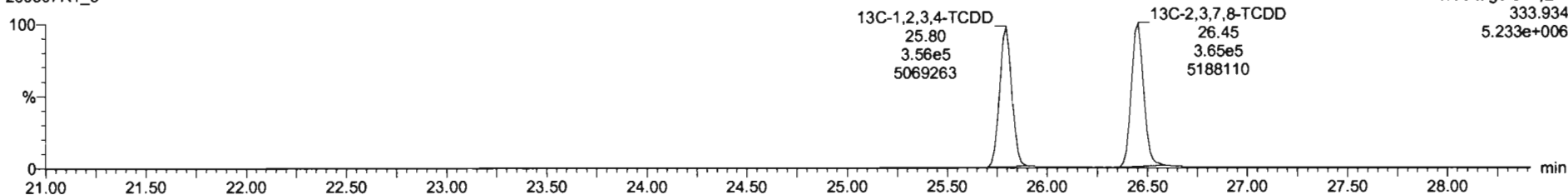


13C-1,2,3,4-TCDD

200607R1_8



200607R1_8



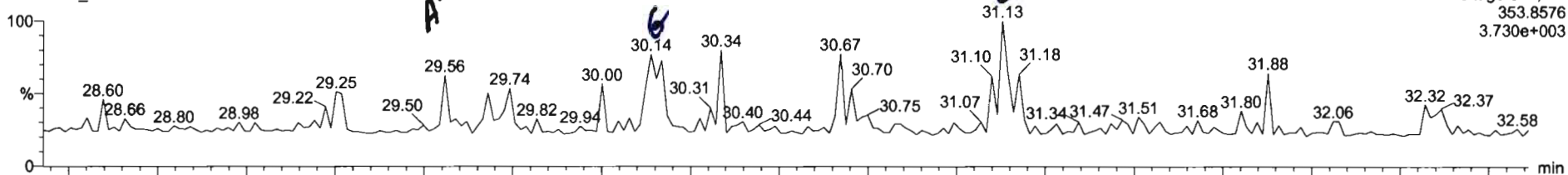
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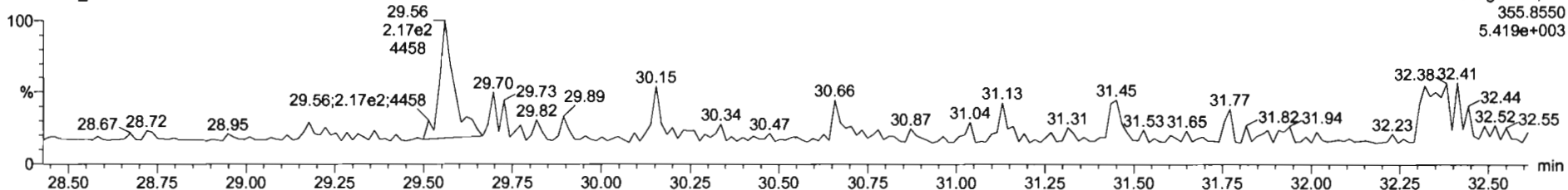
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1,2,3,7,8-PeCDD

200607R1_8

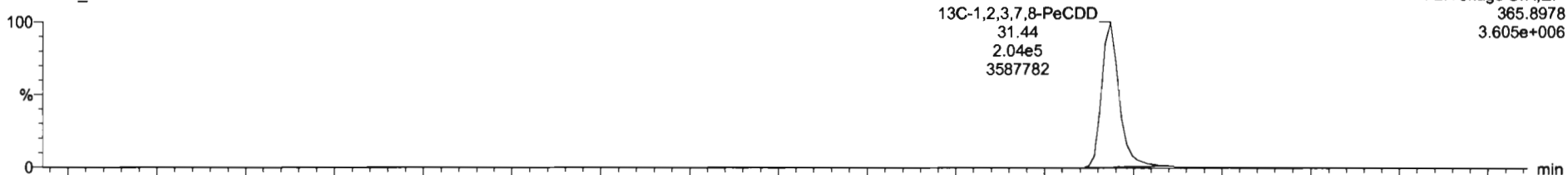


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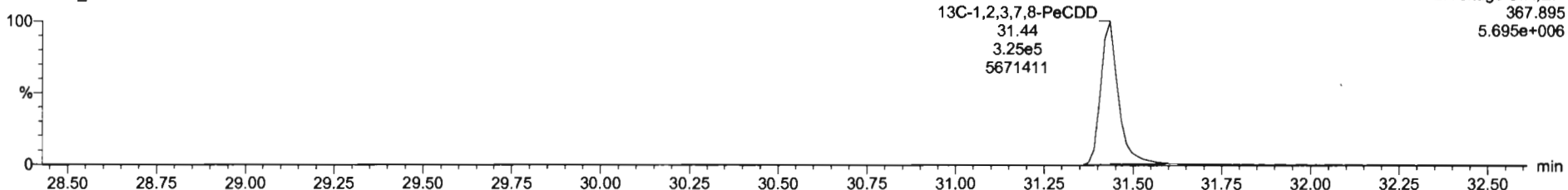


13C-1,2,3,7,8-PeCDD

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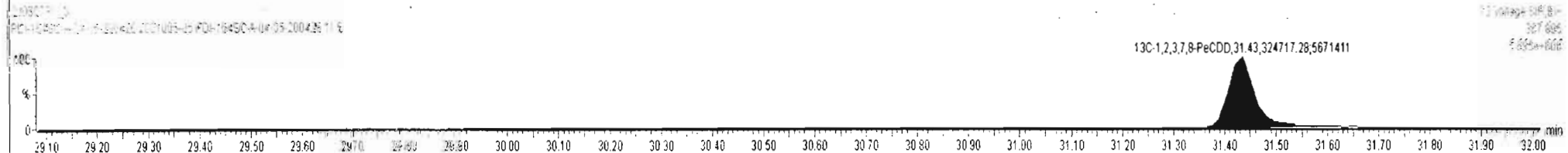
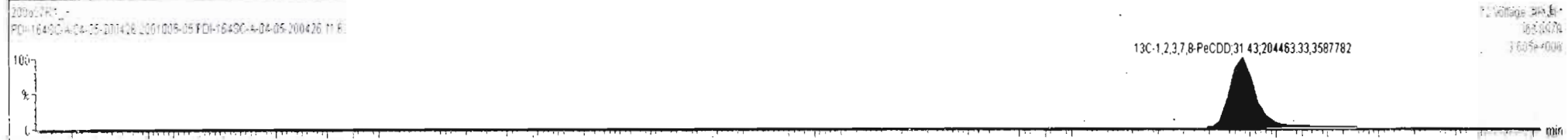
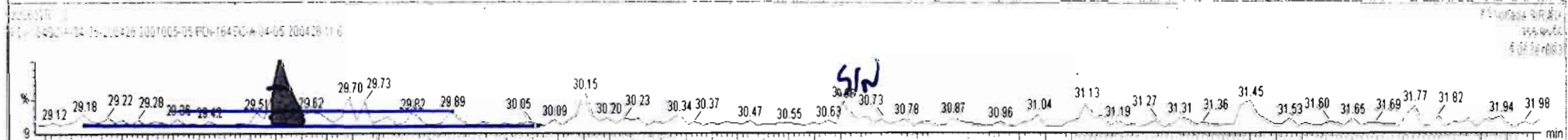
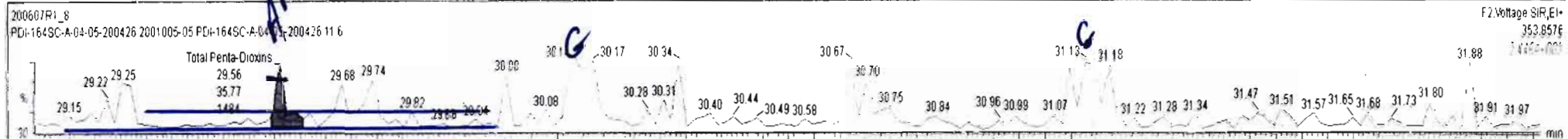


200607R1_8



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.100			0.102		0.0400	0.102
40 Total Penta-Dioxins				0.9081	10.100			0.000		0.0449	0.0381
41 Total Hexa-Dioxins				0.8923	10.100			0.349		0.0984	0.349
42 Total Hepta-Dioxins				0.8639	10.100			1.78		0.145	1.78
43 Total Tetra-Furans				0.7510	10.100					0.0186	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.56	3.577e1	1.593e2	0.22	YES	0.038136	0.00000



Dataset: Untitled

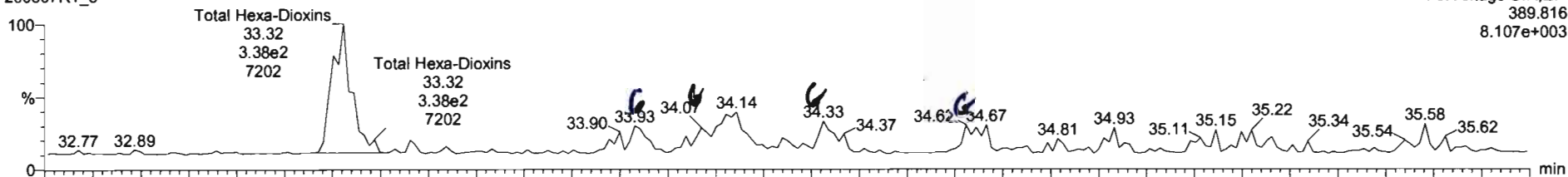
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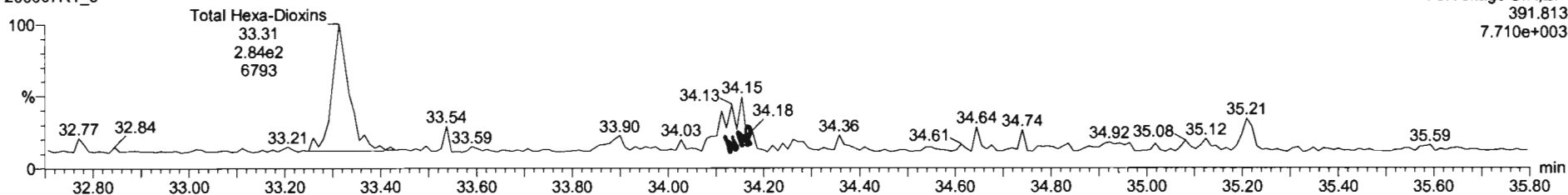
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1,2,3,4,7,8-HxCDD

200607R1_8

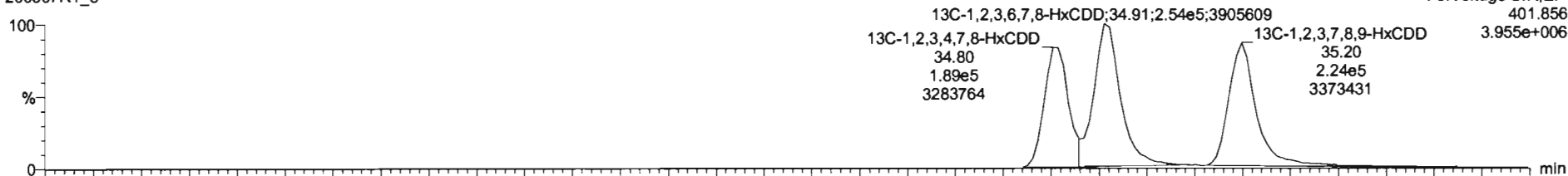


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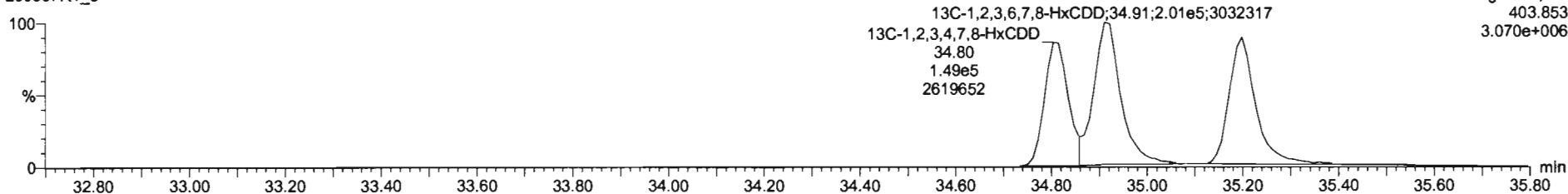


13C-1,2,3,4,7,8-HxCDD

200607R1_8

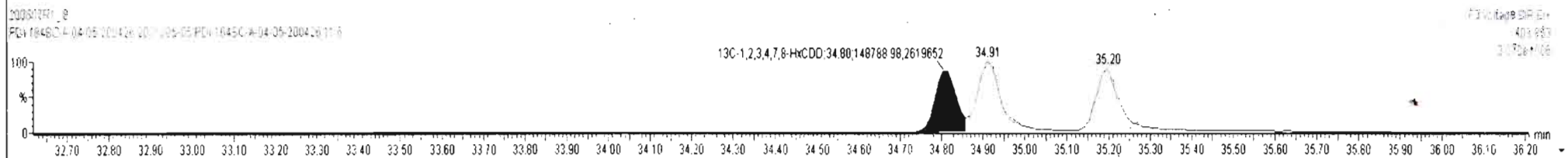
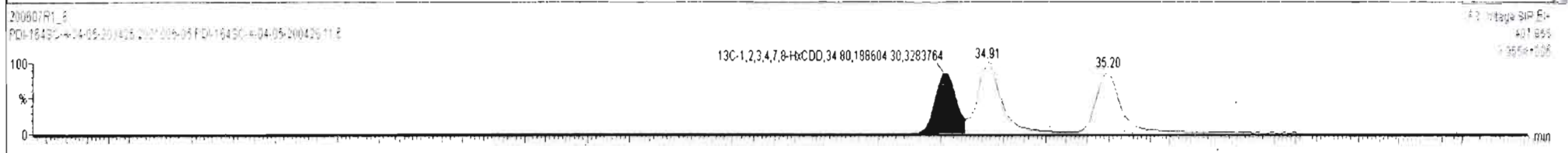
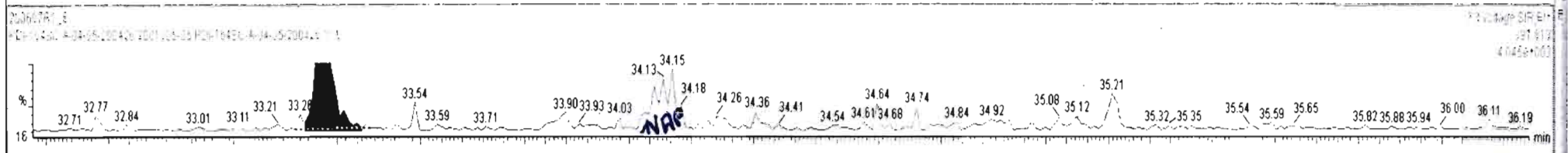
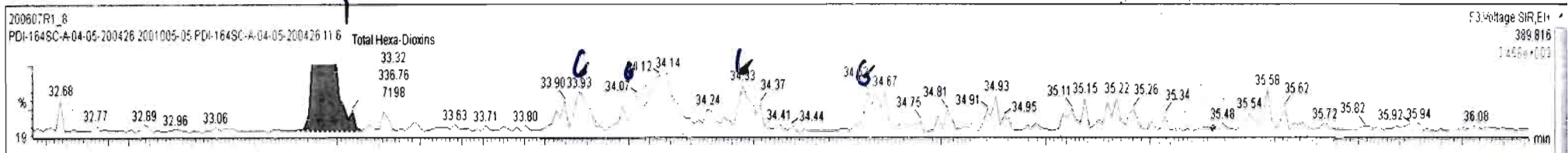


200607R1_8



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.100			0.102		0.0400	0.102
40 Total Penta-Dioxins				0.9081	10.100			0.000		0.0449	0.0381
41 Total Hexa-Dioxins				0.8923	10.100			0.346		0.0984	0.346
42 Total Hepta-Dioxins				0.8639	10.100			1.78		0.145	1.78
43 Total Tetra-Furans				0.7510	10.100					0.0186	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.32	3.368e2	2.800e2	1.20	NO	0.34575	0.34575

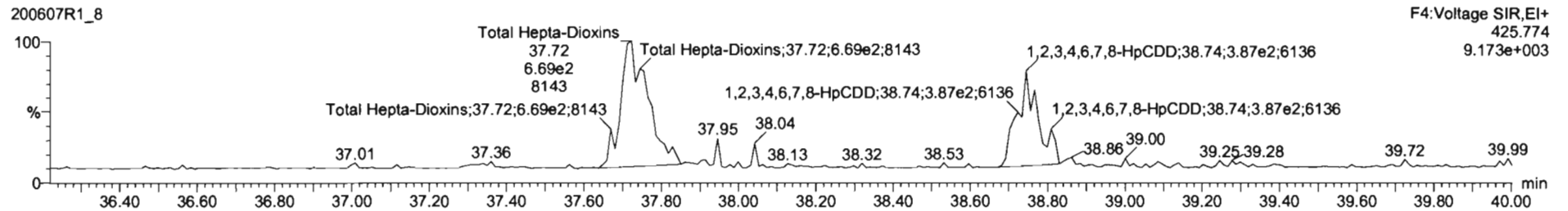
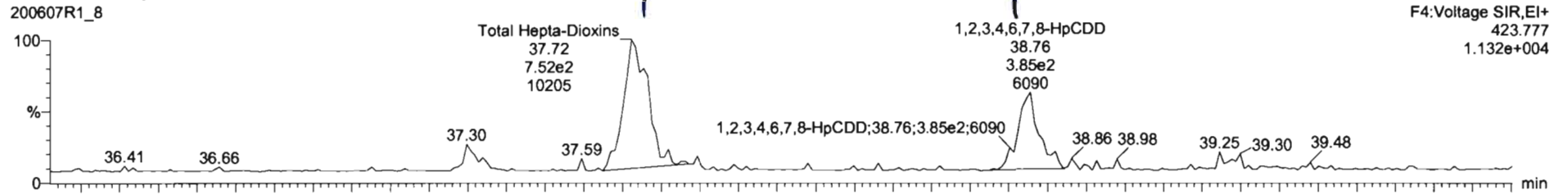


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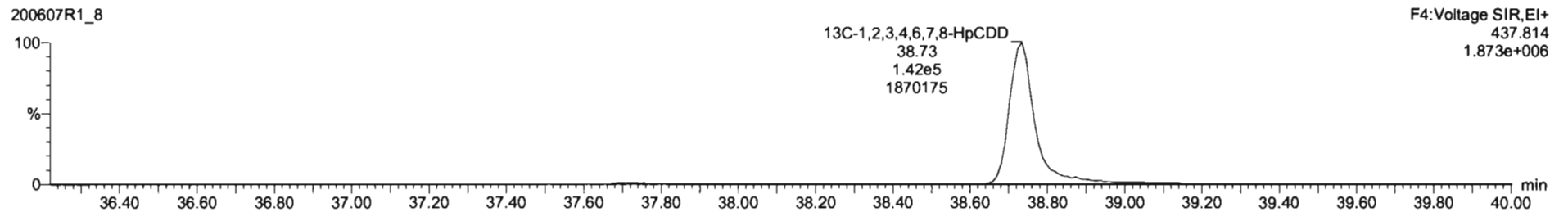
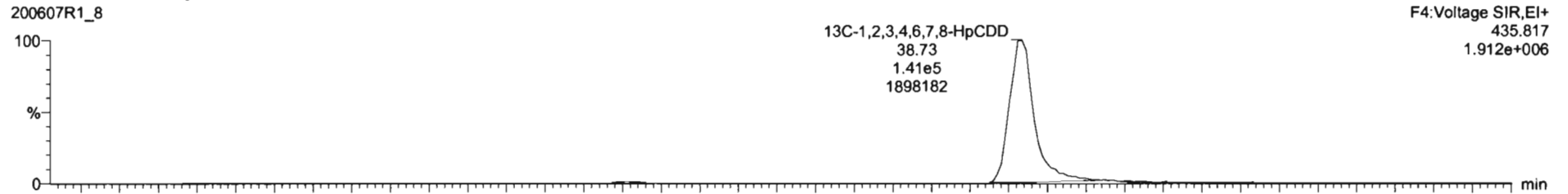
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Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

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

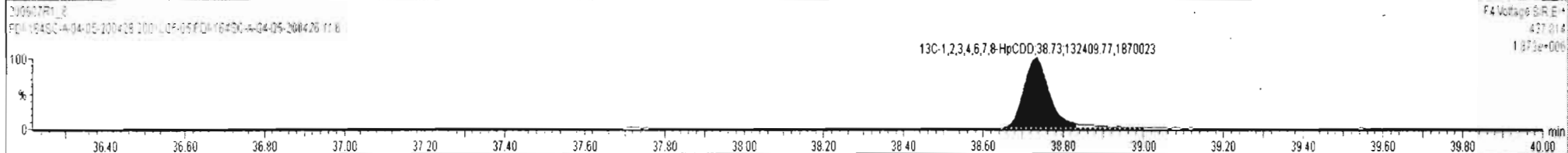
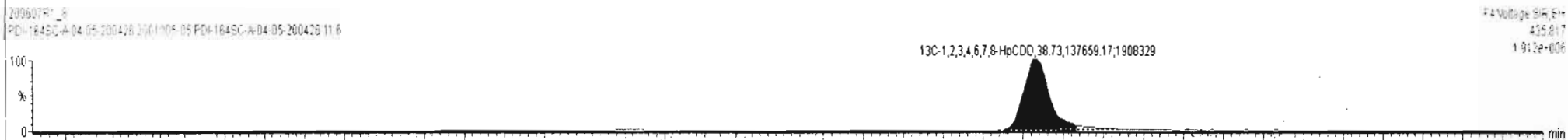
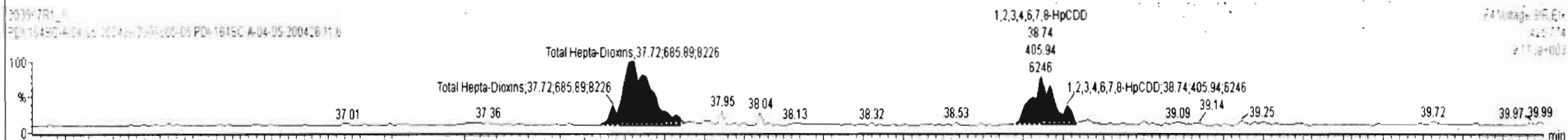
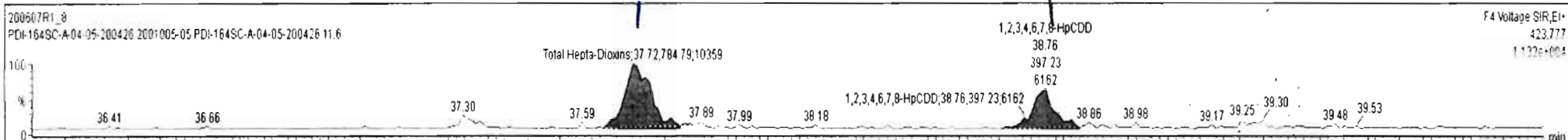


13C-1,2,3,4,6,7,8-HpCDD



Name	Resp	RA	nly	RRF	wtAval	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.100			0.102		0.0400	0.102
40 Total Penta-Dioxins				0.9081	10.100			0.000		0.0449	0.0381
41 Total Hexa-Dioxins				0.8523	10.100			0.346		0.0984	0.346
42 Total Hepta-Dioxins				0.8639	10.100			1.83		0.147	1.83
43 Total Tetra-Furans				0.7510	10.100					0.0186	

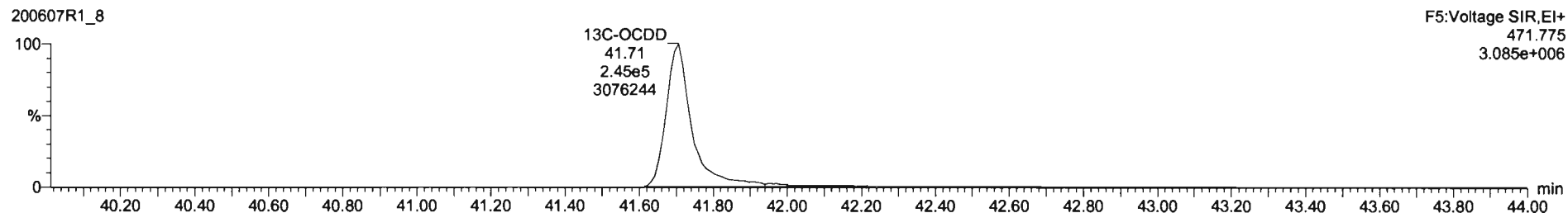
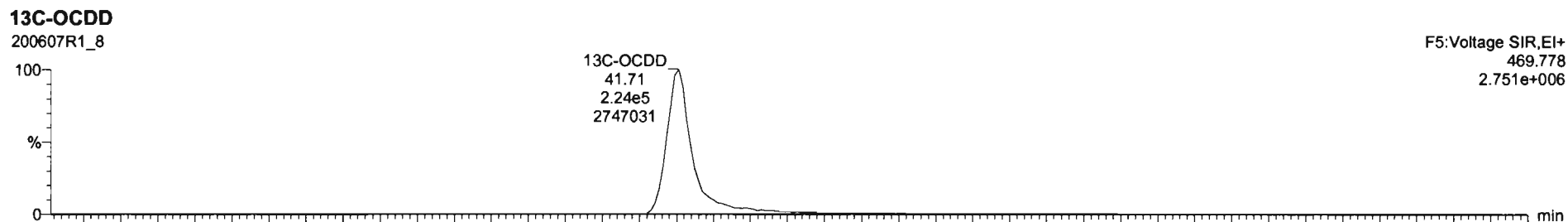
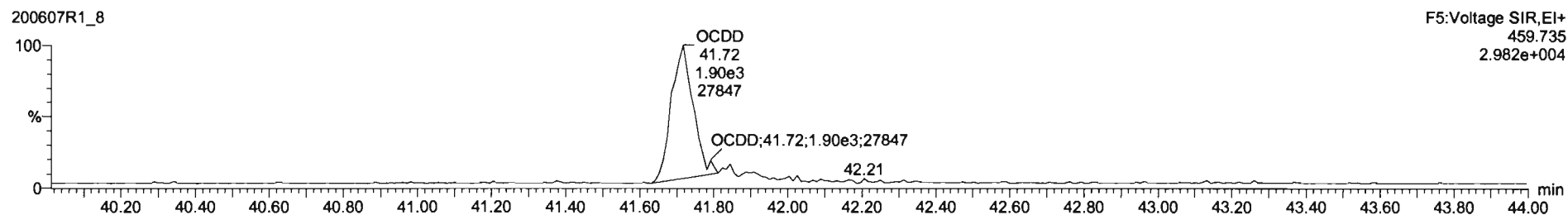
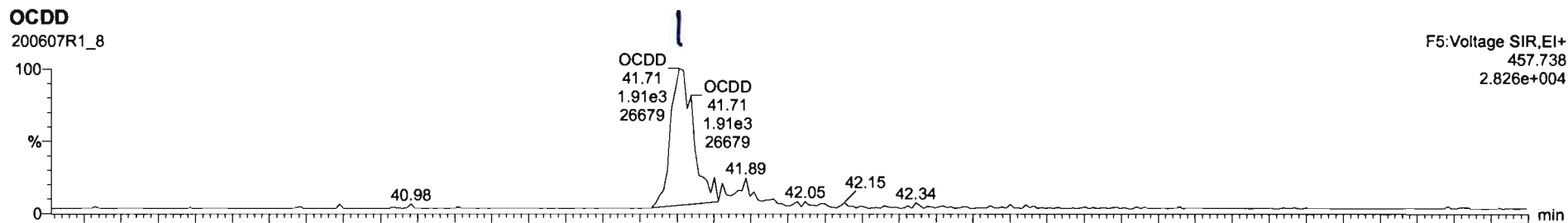
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Hepta-Dioxins	37.72	7.848e2	6.859e2	1.14	NO	1.2482	1.2482
2 1,2,3,4,6,7,8-HpCDD	38.76	3.972e2	4.059e2	0.98	NO	0.68169	0.68169



Dataset: Untitled

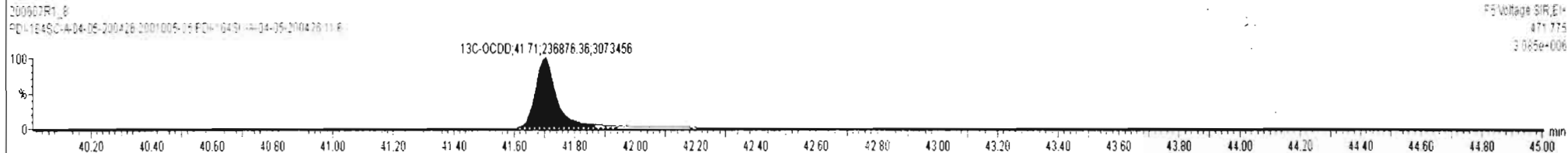
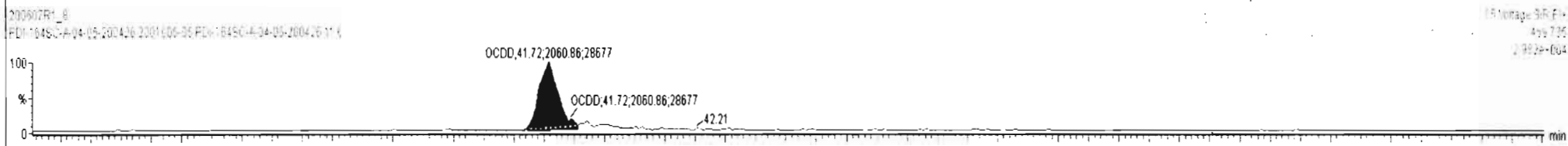
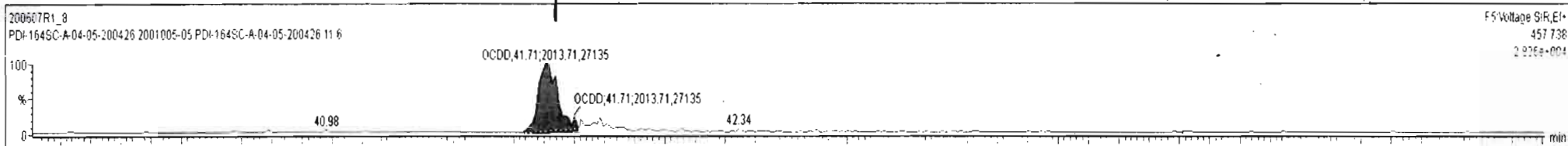
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Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426



Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
7	OCDD	4.07e3	0.98	NO	0.9136	10.100	41.71	1.000	3.95	0.214	3.95
8	2,3,7,8-TCDF			NO	0.7510	10.100				0.0494	
9	1,2,3,7,8-PeCDF			NO	0.8925	10.100				0.0534	
10	2,3,4,7,8-PeCDF			NO	0.9348	10.100				0.0460	
11	1,2,3,4,7,8-HxCDF			NO	0.8845	10.100				0.0312	

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

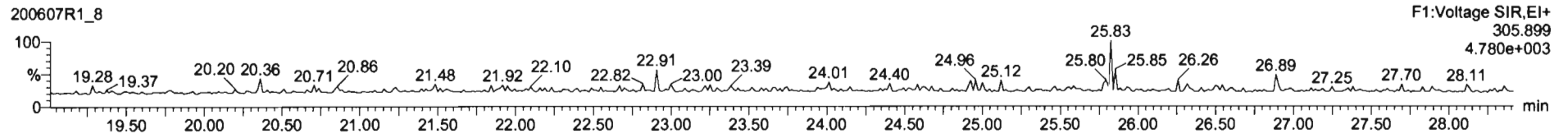
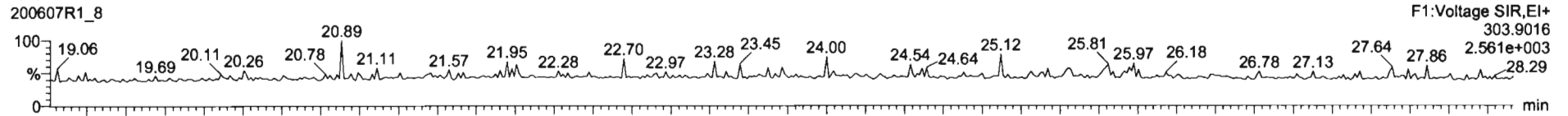


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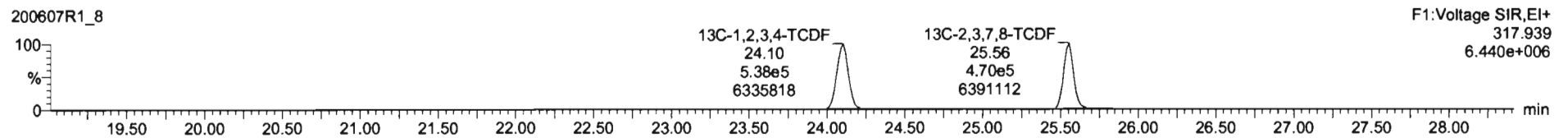
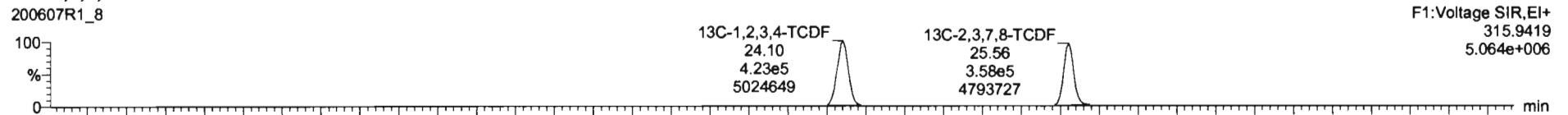
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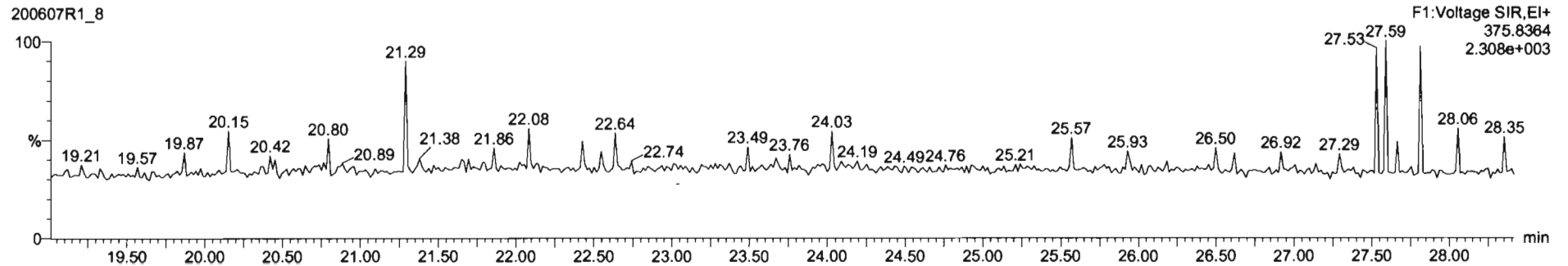
2,3,7,8-TCDF



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



DPE1



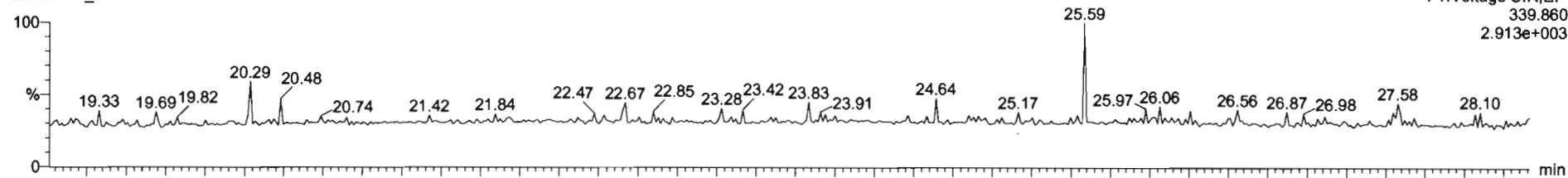
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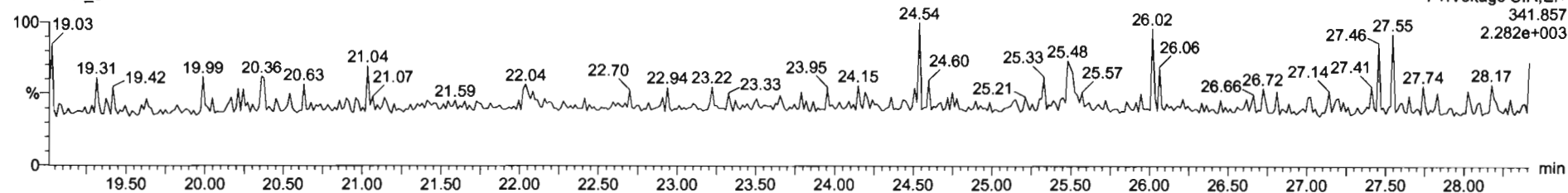
Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

1st Func. Penta-Furans

200607R1_8

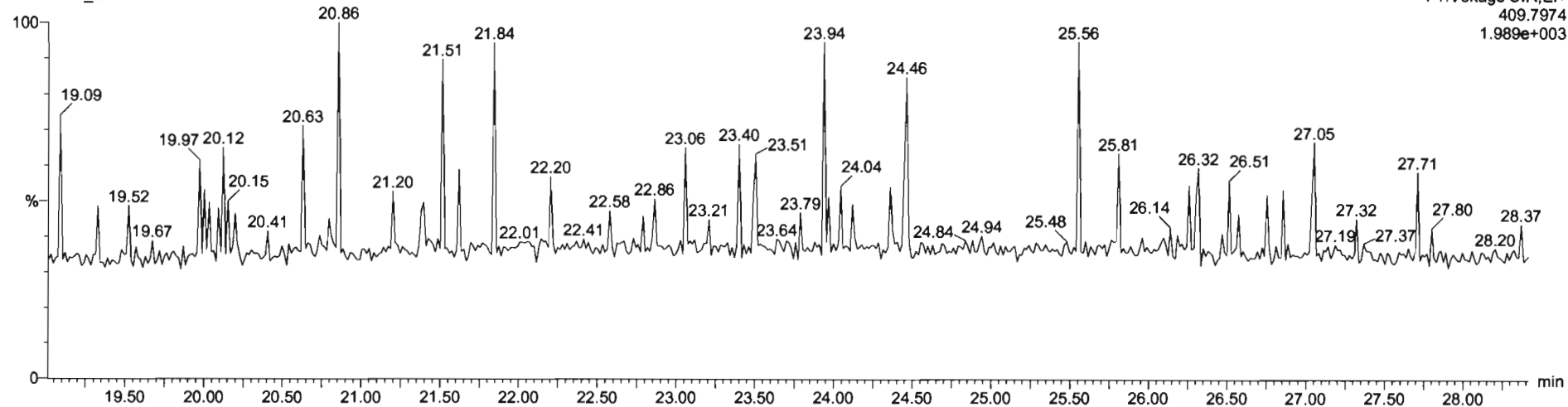


200607R1_8



DPE6

200607R1_8

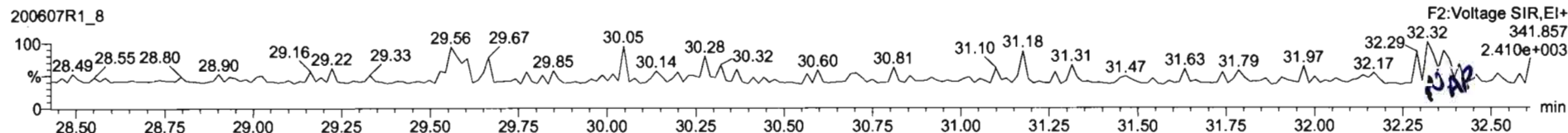
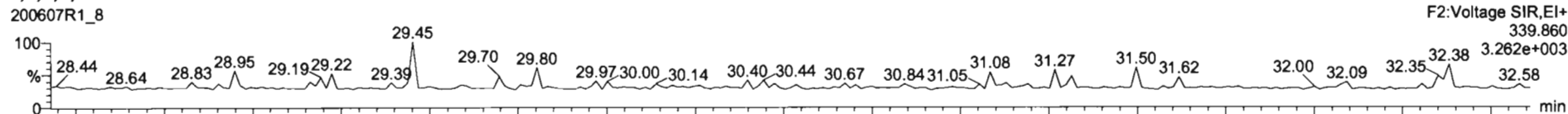


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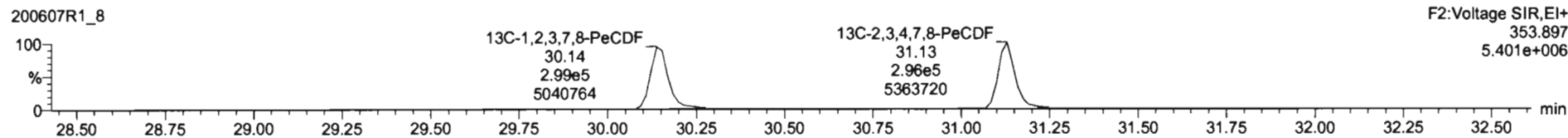
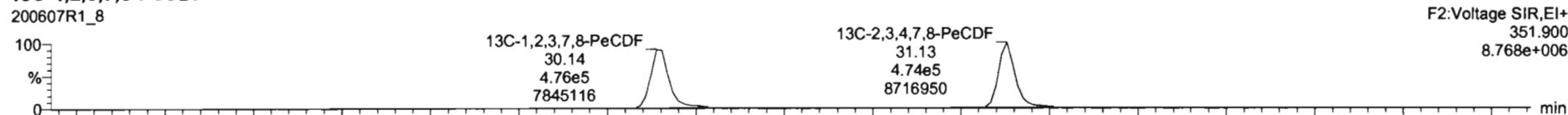
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Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

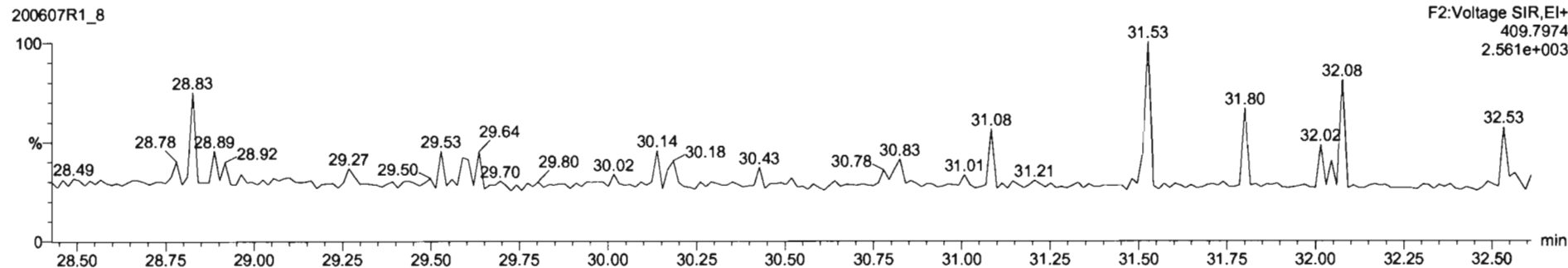
1,2,3,7,8-PeCDF



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



DPE2

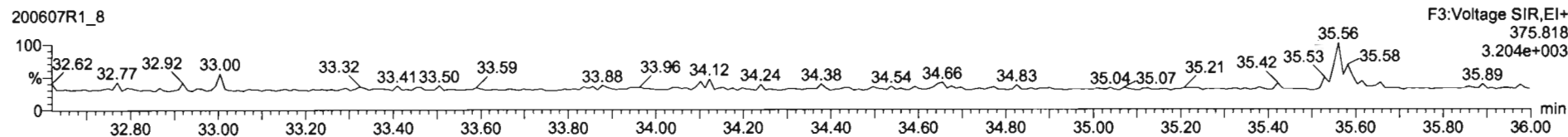
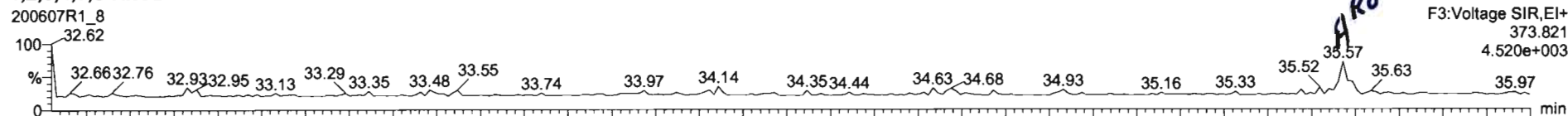


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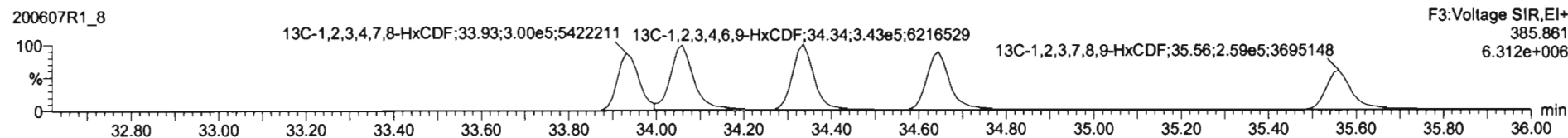
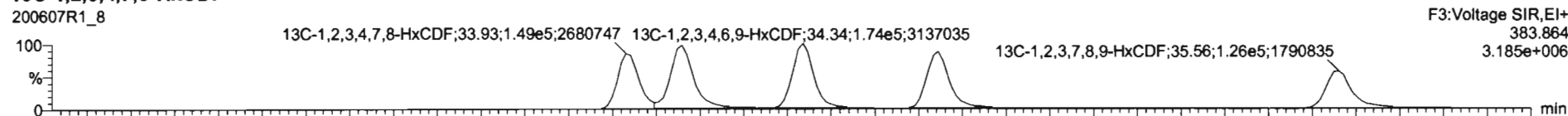
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Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

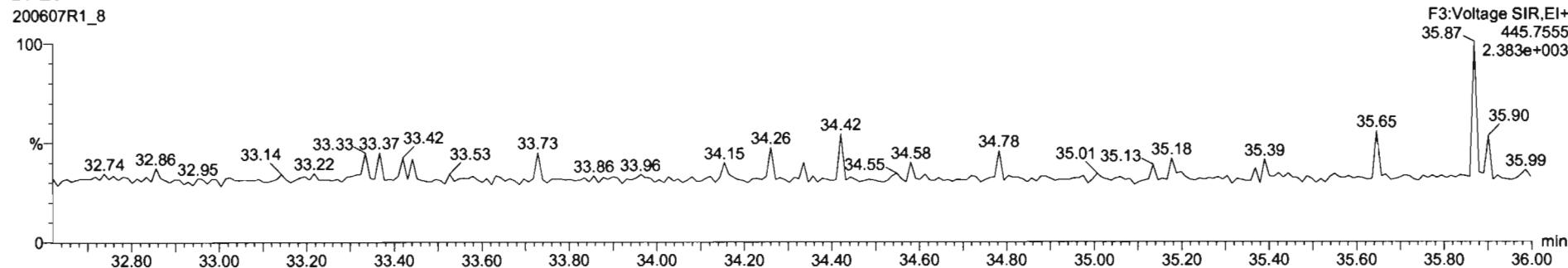
1,2,3,4,7,8-HxCDF



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

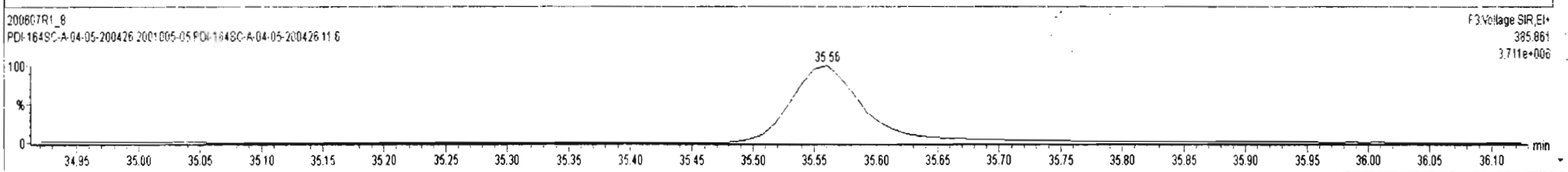
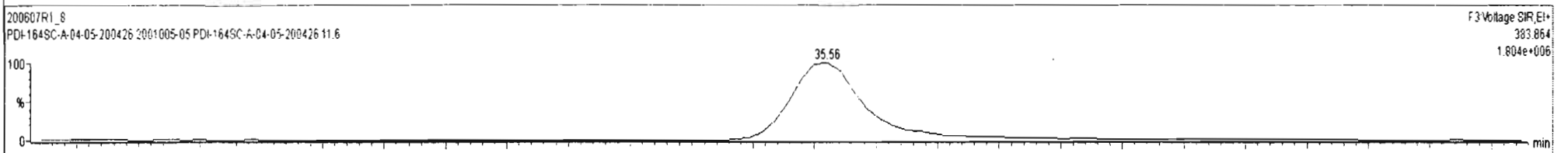
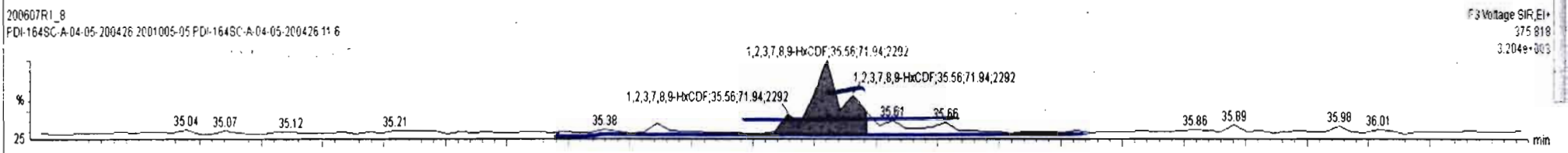
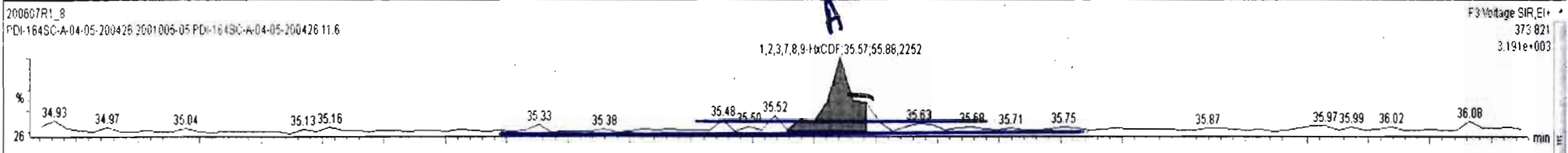


DPE3



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.100					0.0186	
44 1st Func. Penta-Furans				0.8925	10.100					0.00976	
45 Total Penta-Furans				0.8925	10.100					0.0197	
46 Total Hexa-Furans				0.9341	10.100			0.000		0.0185	0.0597
47 Total Hepta-Furans				0.8734	10.100					0.0263	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1,2,3,7,8,9-HxCDF	35.57	5.588e1	7.194e1	0.78	YES	0.059688	0.00000

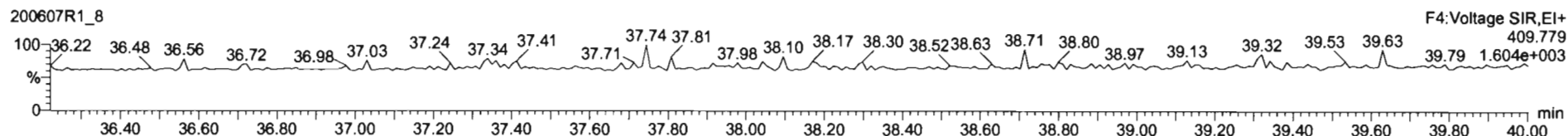
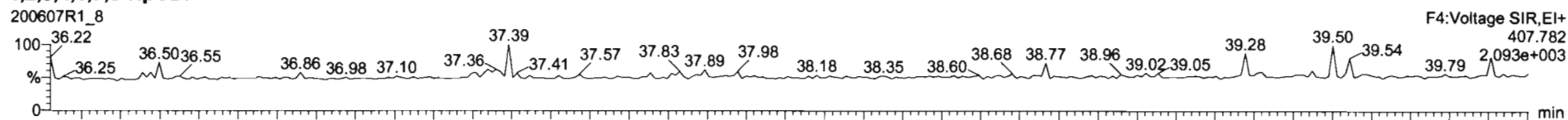


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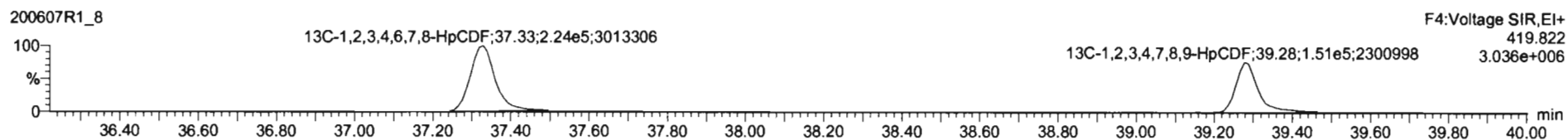
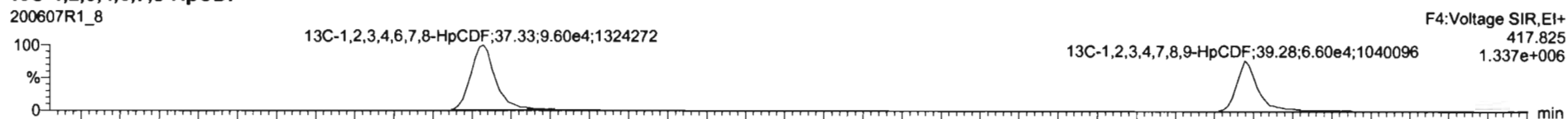
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

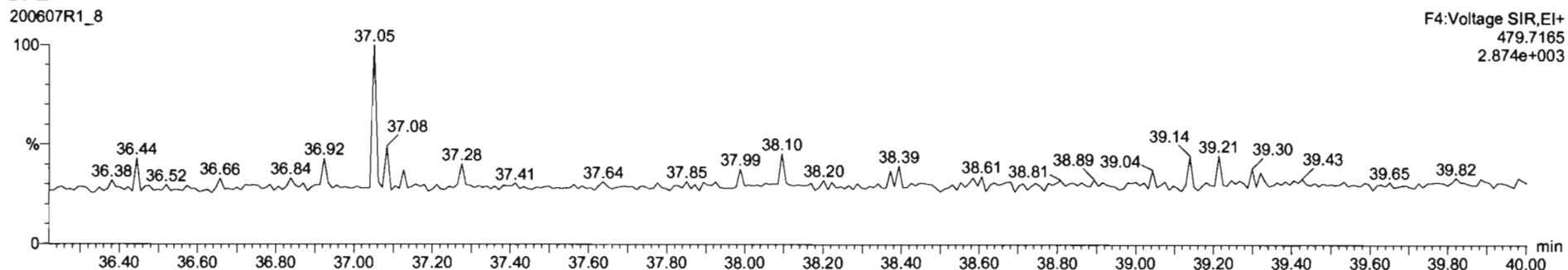
1,2,3,4,6,7,8-HpCDF



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



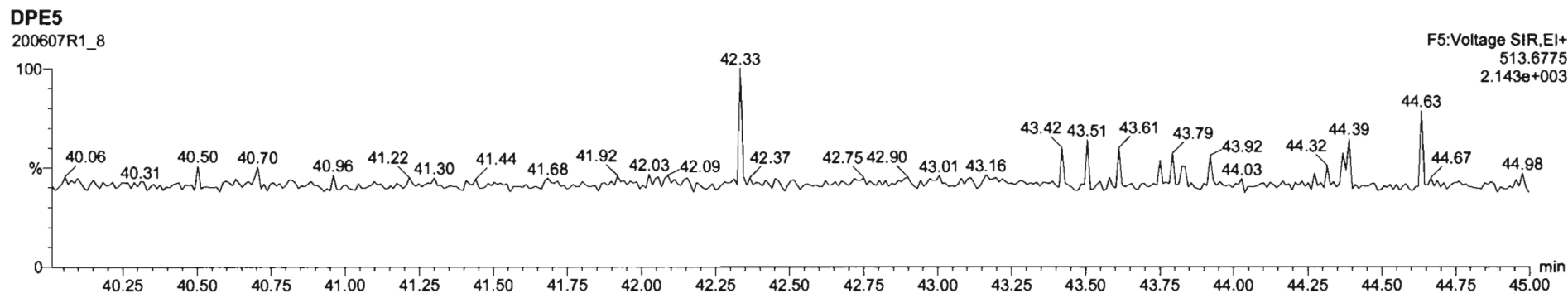
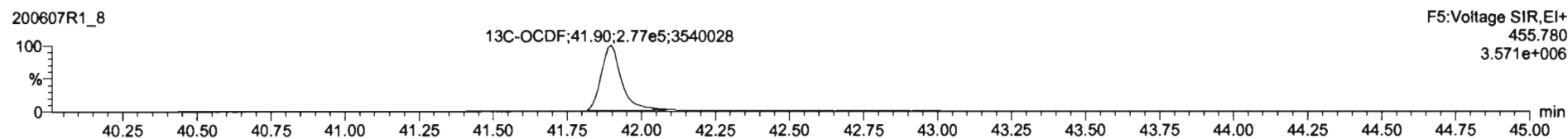
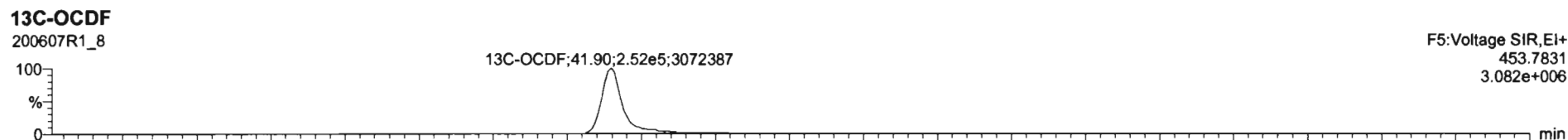
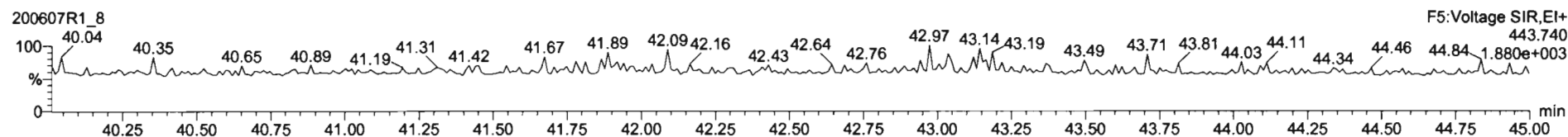
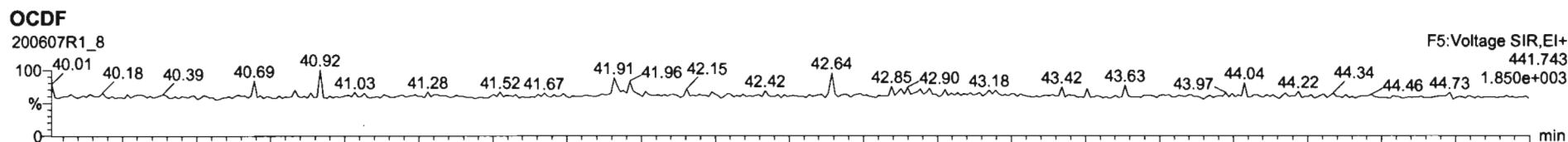
DPE4



Dataset: Untitled

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Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

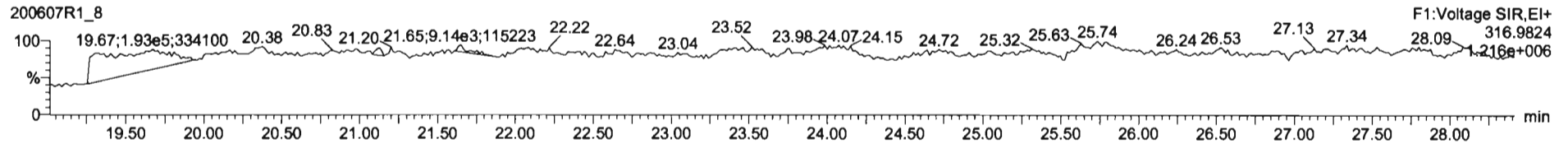


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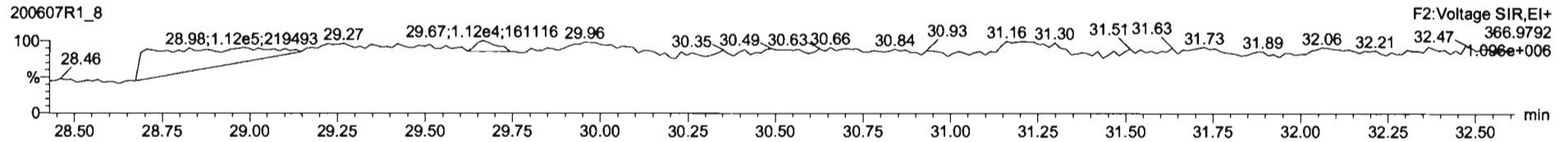
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Name: 200607R1_8, Date: 07-Jun-2020, Time: 14:06:38, ID: 2001005-05 PDI-164SC-A-04-05-200426 11.6, Description: PDI-164SC-A-04-05-200426

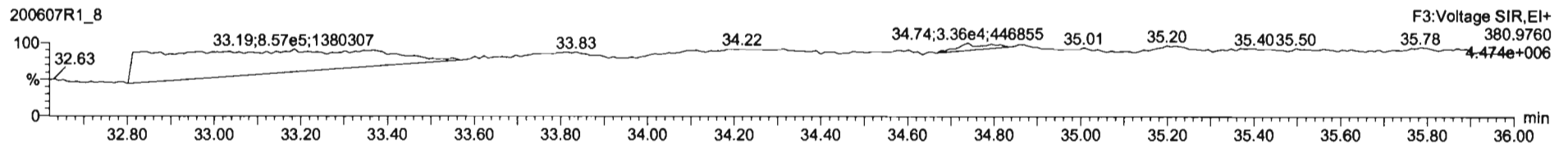
PFK1



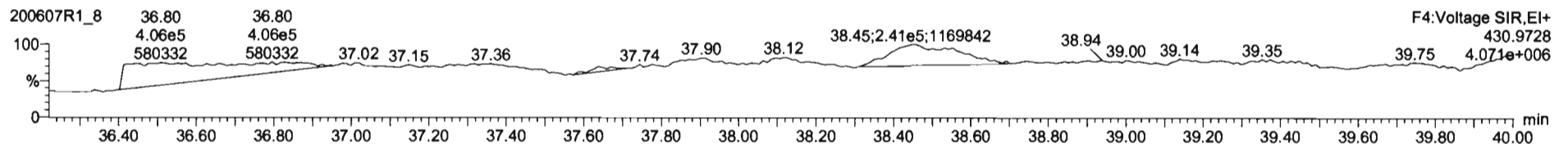
PFK2



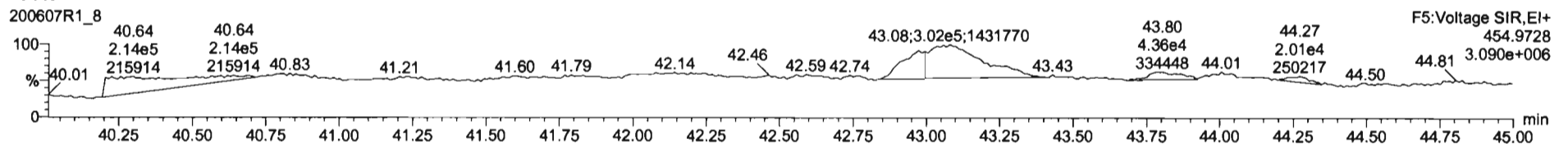
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-9.qld

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C7 06/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.040	26.486		1.001				0.0865	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.040	31.457		1.001				0.106	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.040	34.814		1.000				0.0909	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.040	34.911		1.000				0.0907	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.040	35.209		1.000				0.105	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.864	10.040	38.736		1.000				0.109	
7	7 OCDD	6.70e2	0.99	NO	0.914	10.040	41.716	41.72	1.000	1.000	0.67073		0.154	0.671
8	8 2,3,7,8-TCDF			NO	0.751	10.040	25.582		1.001				0.0439	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.040	30.175		1.001				0.0461	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.040	31.161		1.001				0.0407	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.040	33.931		1.000				0.0310	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.040	34.069		1.000				0.0279	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.040	34.680		1.001				0.0293	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.040	35.561		1.000				0.0484	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.040	37.355		1.001				0.0472	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.040	39.278		1.000				0.0518	
17	17 OCDF			NO	0.806	10.040	41.908		1.000				0.0985	
18	18 13C-2,3,7,8-TCDD	5.56e5	0.80	NO	1.16	10.040	26.476	26.45	1.026	1.026	133.53	67.0	0.227	
19	19 13C-1,2,3,7,8-PeCDD	4.47e5	0.63	NO	0.849	10.040	31.656	31.43	1.227	1.219	146.15	73.4	0.547	
20	20 13C-1,2,3,4,7,8-HxCDD	3.02e5	1.27	NO	0.779	10.040	34.820	34.80	1.014	1.014	136.33	68.4	0.476	
21	21 13C-1,2,3,6,7,8-HxCDD	4.02e5	1.27	NO	1.02	10.040	34.933	34.91	1.017	1.017	138.96	69.8	0.364	
22	22 13C-1,2,3,7,8,9-HxCDD	3.68e5	1.26	NO	0.903	10.040	35.205	35.20	1.025	1.025	143.16	71.9	0.410	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.689	10.040	38.728	38.72	1.128	1.128	140.74	70.6	0.499	
24	24 13C-OCDD	4.36e5	0.90	NO	0.652	10.040	41.749	41.72	1.216	1.215	234.79	58.9	0.693	
25	25 13C-2,3,7,8-TCDF	7.16e5	0.78	NO	1.06	10.040	25.519	25.56	0.989	0.991	128.10	64.3	0.294	
26	26 13C-1,2,3,7,8-PeCDF	6.47e5	1.58	NO	0.838	10.040	30.041	30.15	1.165	1.169	146.23	73.4	0.491	
27	27 13C-2,3,4,7,8-PeCDF	6.35e5	1.61	NO	0.817	10.040	30.993	31.13	1.202	1.207	147.34	74.0	0.503	
28	28 13C-1,2,3,4,7,8-HxCDF	3.94e5	0.50	NO	1.01	10.040	33.951	33.93	0.989	0.988	137.51	69.0	0.883	
29	29 13C-1,2,3,6,7,8-HxCDF	4.85e5	0.51	NO	1.17	10.040	34.075	34.06	0.992	0.992	146.00	73.3	0.762	
30	30 13C-2,3,4,6,7,8-HxCDF	4.34e5	0.52	NO	1.02	10.040	34.648	34.65	1.009	1.009	149.25	74.9	0.871	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-9.qld

Last Altered: Monday, June 08, 2020 14:51:40 Pacific Daylight Time

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Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.25e5	0.49	NO	0.860	10.040	35.548	35.56	1.035	1.036	133.10	66.8	1.04	
32	13C-1,2,3,4,6,7,8-HpCDF	3.02e5	0.42	NO	0.774	10.040	37.296	37.32	1.086	1.087	136.87	68.7	0.630	
33	13C-1,2,3,4,7,8,9-HpCDF	2.09e5	0.40	NO	0.521	10.040	39.325	39.28	1.145	1.144	140.99	70.8	0.936	
34	13C-OCDF	5.21e5	0.91	NO	0.746	10.040	41.921	41.91	1.221	1.220	245.51	61.6	0.636	
35	37Cl-2,3,7,8-TCDD	2.05e5			1.04	10.040	26.507	26.48	1.028	1.027	54.791	68.8	0.0736	
36	13C-1,2,3,4-TCDD	7.17e5	0.78	NO	1.00	10.040	25.890	25.80	1.000	1.000	199.21	100	0.263	
37	13C-1,2,3,4-TCDF	1.05e6	0.78	NO	1.00	10.040	24.360	24.10	1.000	1.000	199.21	100	0.311	
38	13C-1,2,3,4,6,9-HxCDF	5.67e5	0.51	NO	1.00	10.040	34.420	34.34	1.000	1.000	199.21	100	0.890	
39	Total Tetra-Dioxins				0.888	10.040	24.620		0.000				0.0485	
40	Total Penta-Dioxins				0.908	10.040	29.960		0.000				0.0571	
41	Total Hexa-Dioxins				0.892	10.040	33.635		0.000		0.10561		0.0508	0.106
42	Total Hepta-Dioxins				0.864	10.040	37.640		0.000				0.0737	
43	Total Tetra-Furans				0.751	10.040	23.610		0.000				0.0159	
44	1st Func. Penta-Furans				0.893	10.040	27.580		0.000				0.00995	
45	Total Penta-Furans				0.893	10.040	29.275		0.000				0.0197	
46	Total Hexa-Furans				0.934	10.040	33.555		0.000				0.0194	
47	Total Hepta-Furans				0.873	10.040	37.835		0.000				0.0287	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-9.qld

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Printed: Monday, June 08, 2020 16:25:47 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	33.31	2.766e3	1.596e3	9.461e1	7.438e1	1.27	NO	1.690e2	0.10561	0.10600	0.0508

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

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-9.qld

Last Altered: Monday, June 08, 2020 14:51:40 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:25:47 Pacific Daylight Time

Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

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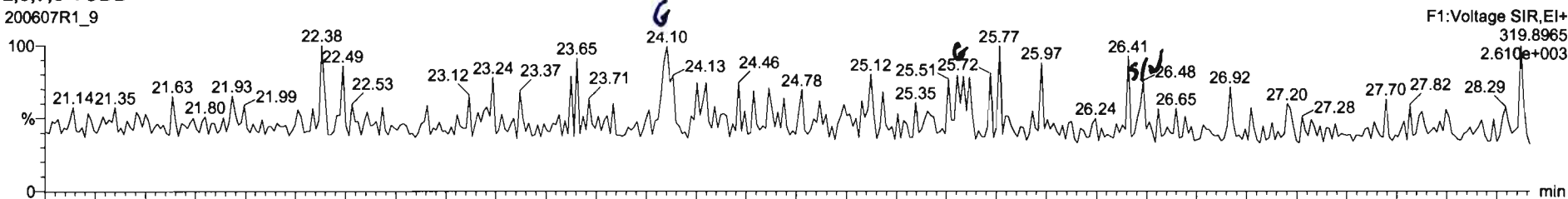
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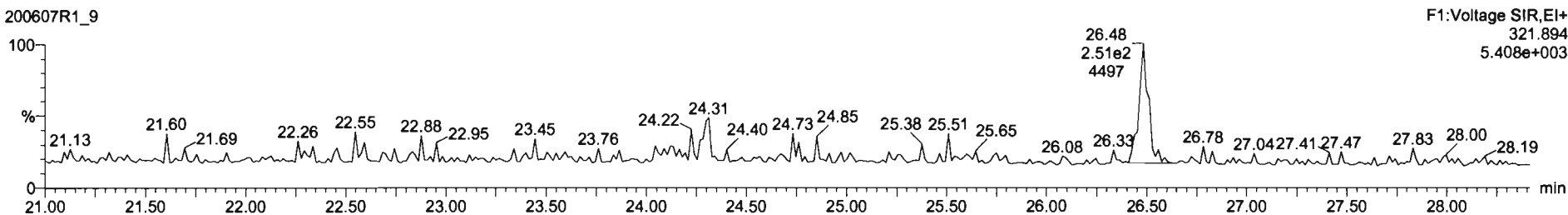
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2,3,7,8-TCDD

200607R1_9

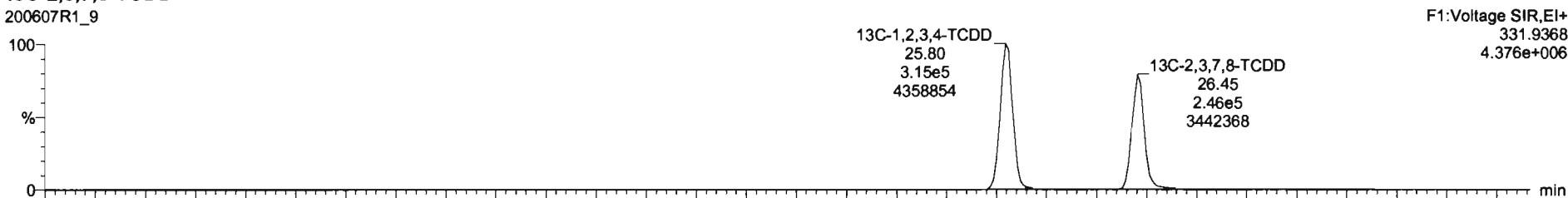


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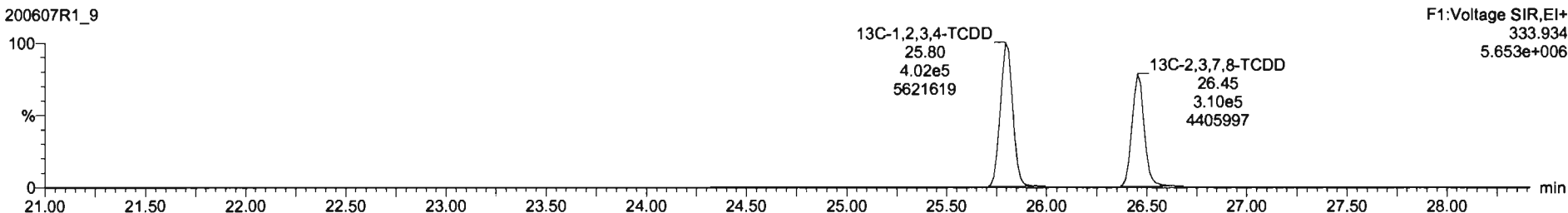


13C-2,3,7,8-TCDD

200607R1_9



200607R1_9



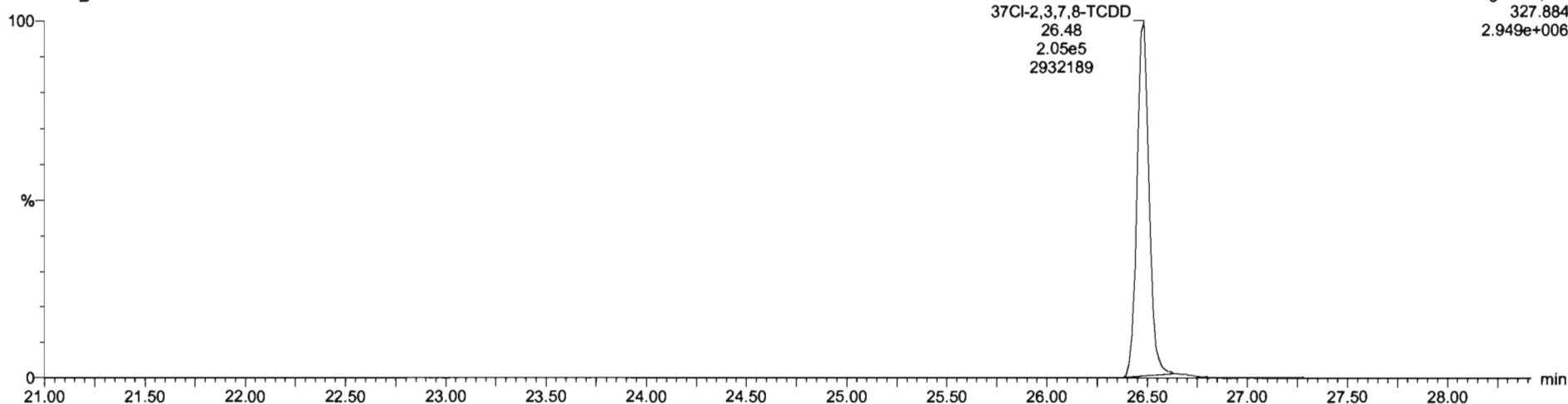
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Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

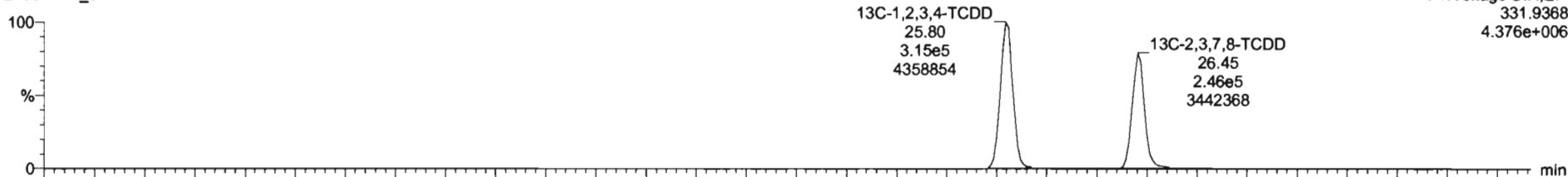
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200607R1_9

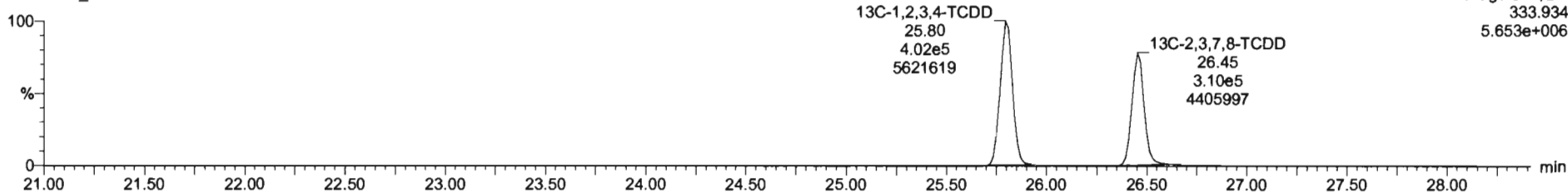


13C-1,2,3,4-TCDD

200607R1_9



200607R1_9



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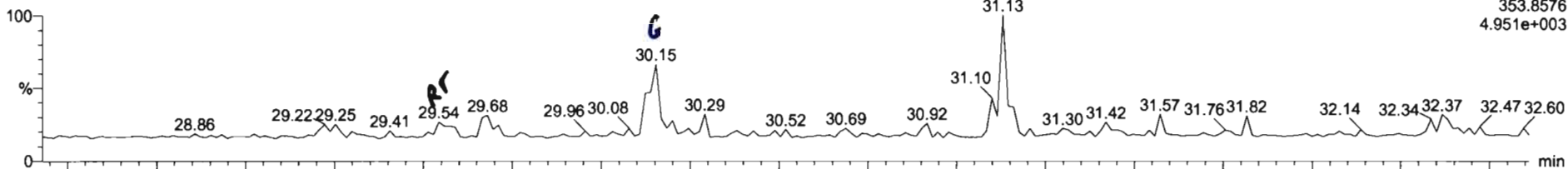
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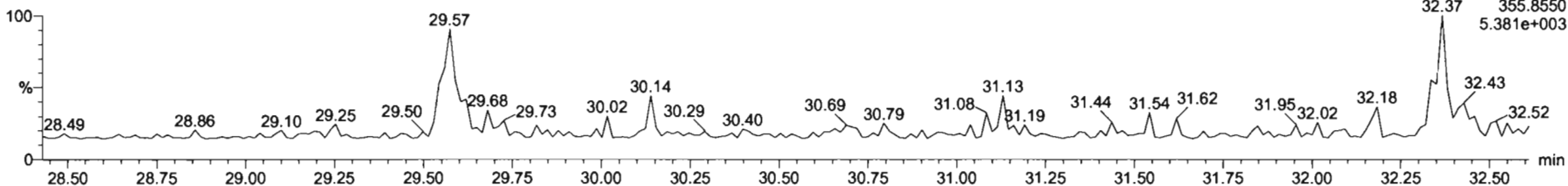
Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

1,2,3,7,8-PeCDD

200607R1_9

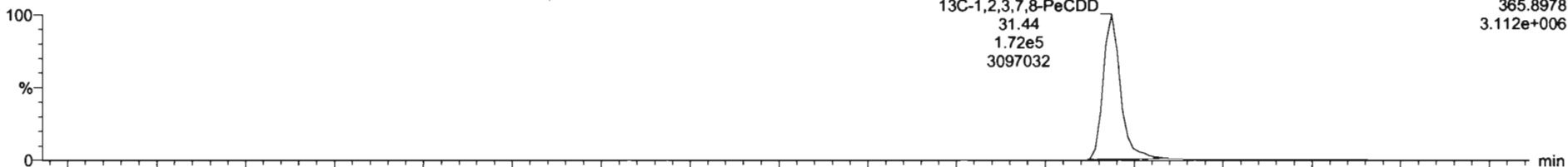


200607R1_9

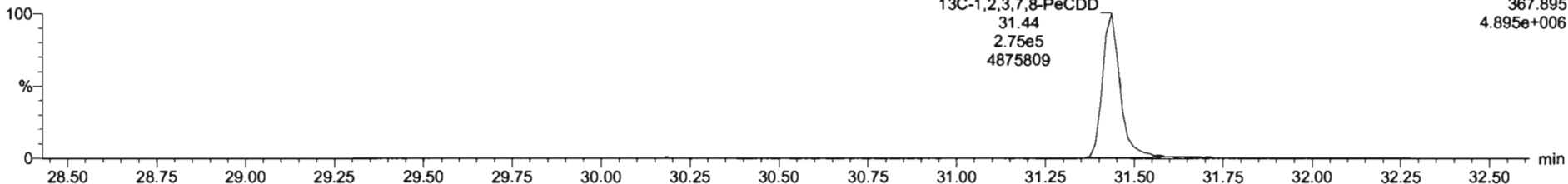


13C-1,2,3,7,8-PeCDD

200607R1_9



200607R1_9



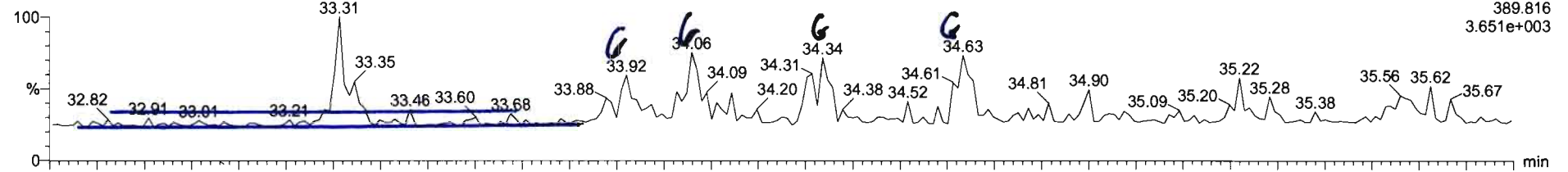
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

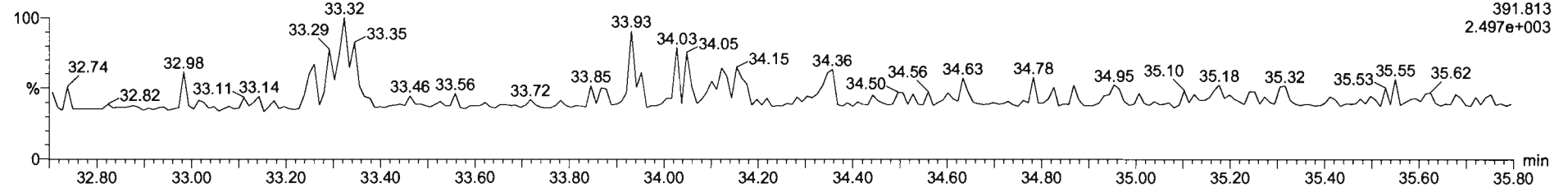
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1,2,3,4,7,8-HxCDD

200607R1_9

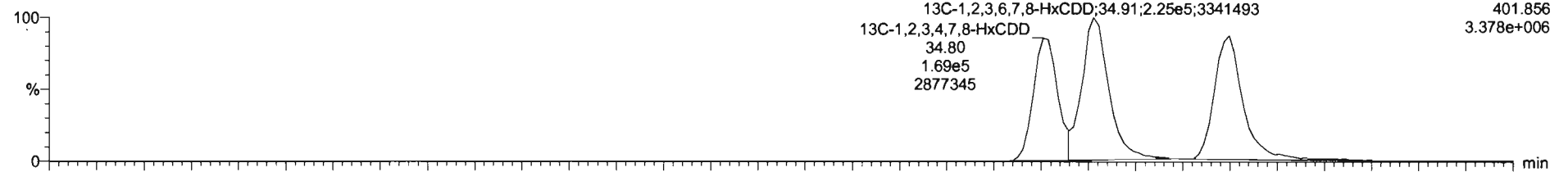


200607R1_9

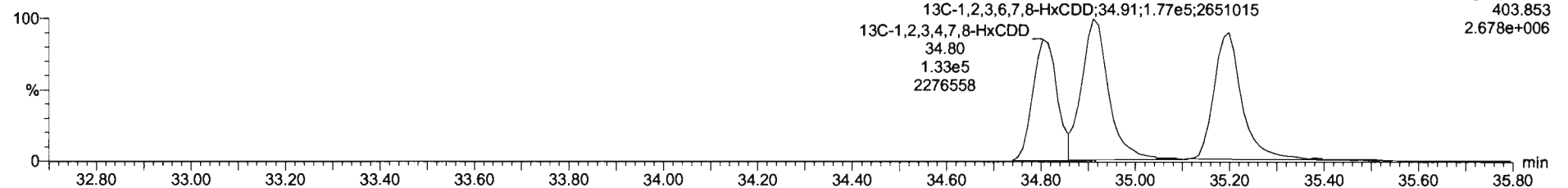


13C-1,2,3,4,7,8-HxCDD

200607R1_9

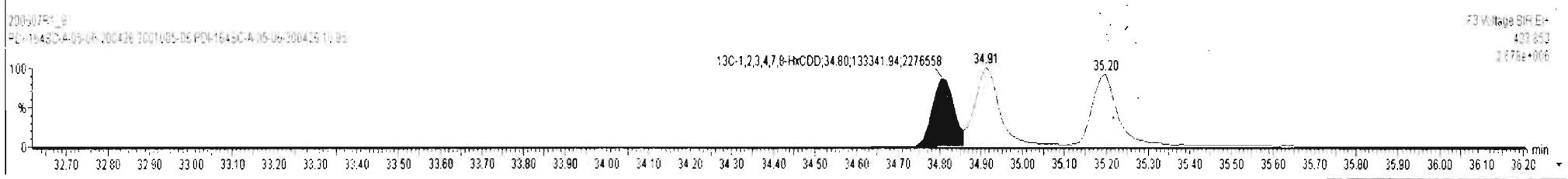
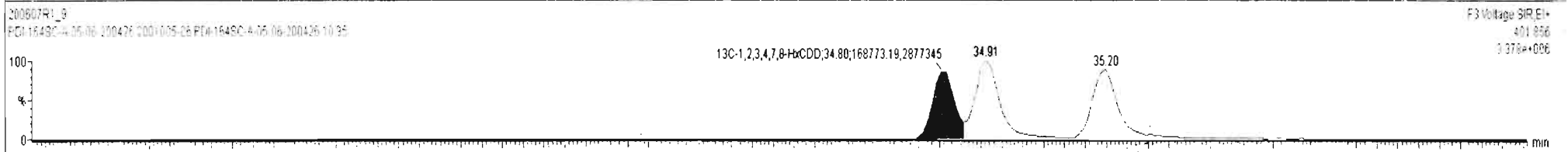
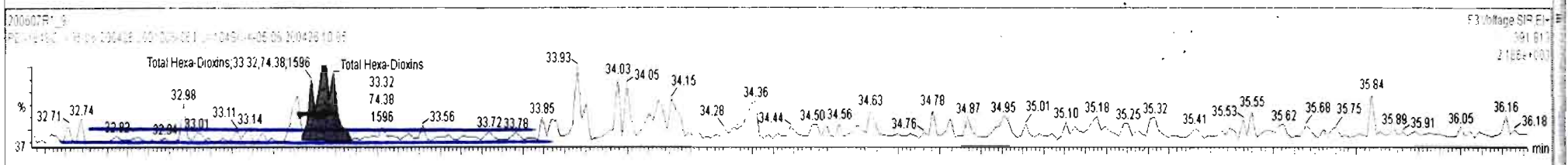
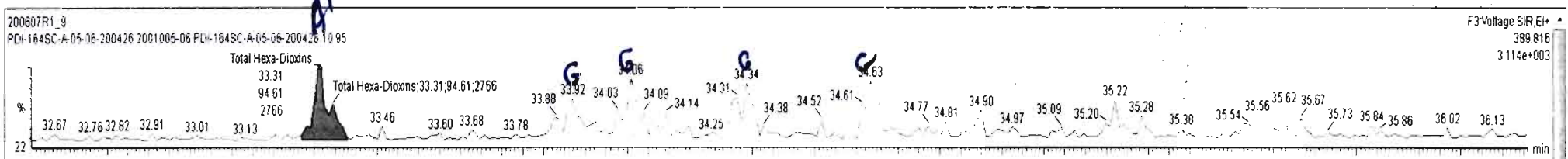


200607R1_9



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.040					0.0465	
40 Total Penta-Dioxins				0.9081	10.040					0.0571	
41 Total Hexa-Dioxins				0.8923	10.040			0.106		0.0506	0.106
42 Total Hepta-Dioxins				0.8639	10.040					0.0737	
43 Total Tetra-Furans				0.7510	10.040					0.0159	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	9.461e1	7.438e1	1.27	NO	0.10561	0.10561



Dataset: Untitled

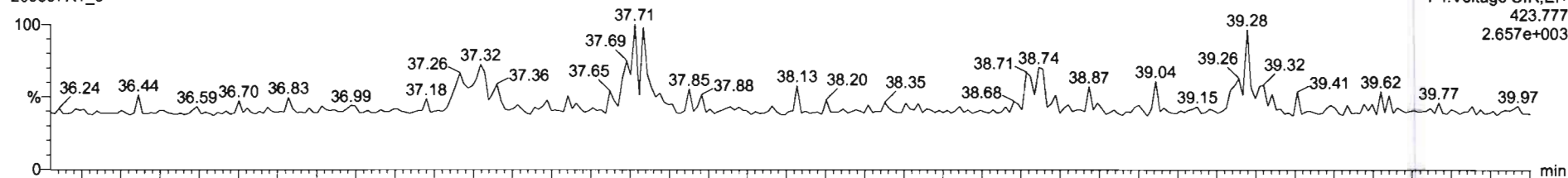
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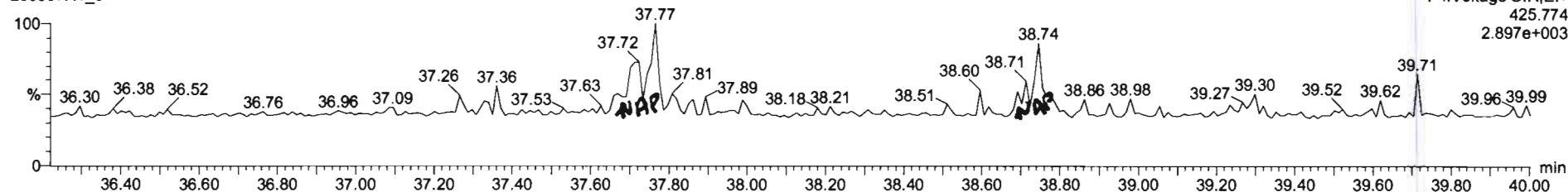
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1,2,3,4,6,7,8-HpCDD

200607R1_9

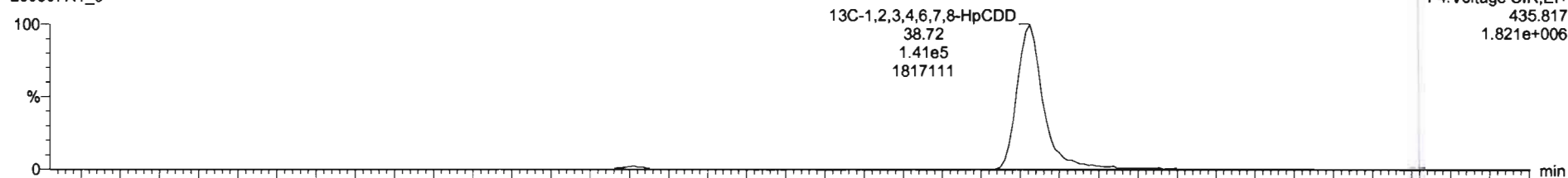


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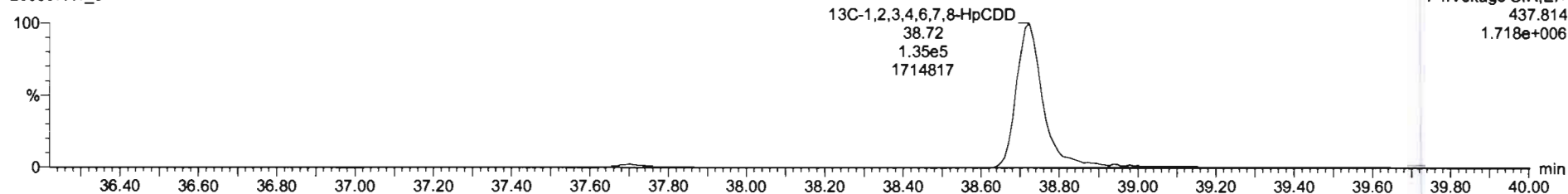


13C-1,2,3,4,6,7,8-HpCDD

200607R1_9

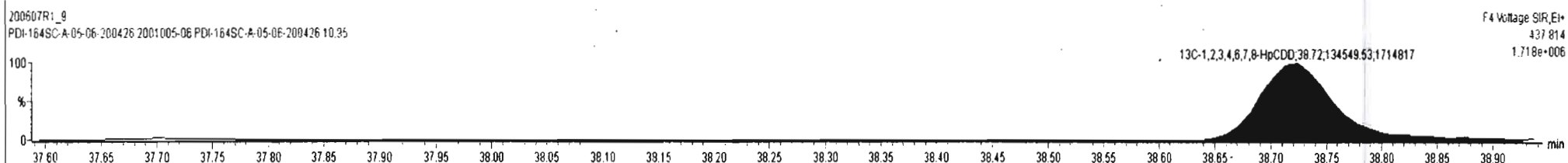
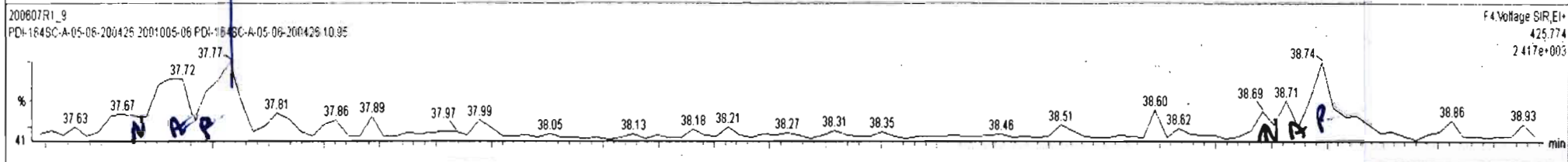
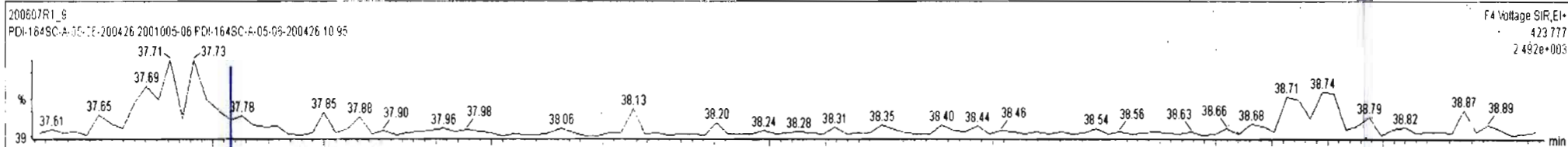


200607R1_9



Name	Resp	RA	n/y	RF	wAol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.040					0.0485	
40 Total Penta-Dioxins				0.9081	10.040					0.0571	
41 Total Hexa-Dioxins				0.8923	10.040			0.106		0.0508	0.106
42 Total Hepta-Dioxins				0.8639	10.040					0.0737	
43 Total Tetra-Furans				0.7510	10.040					0.0158	

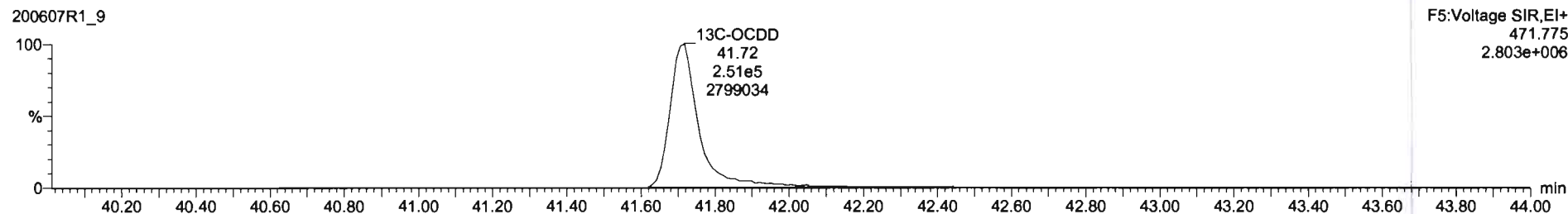
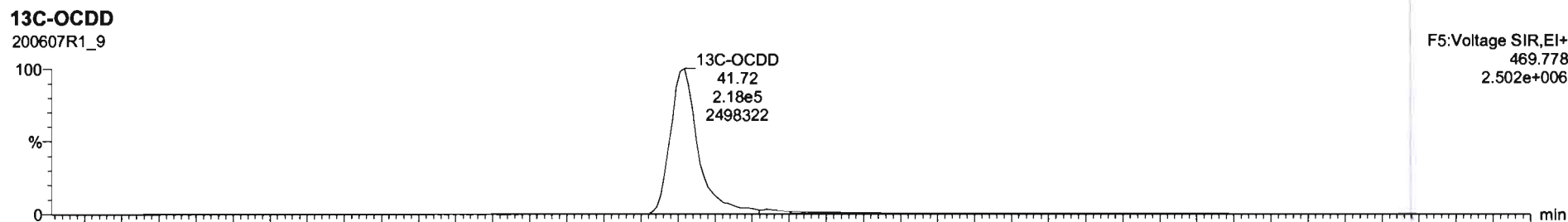
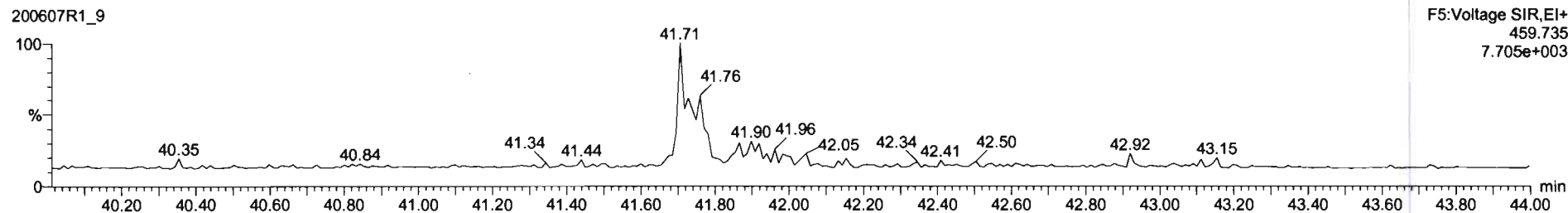
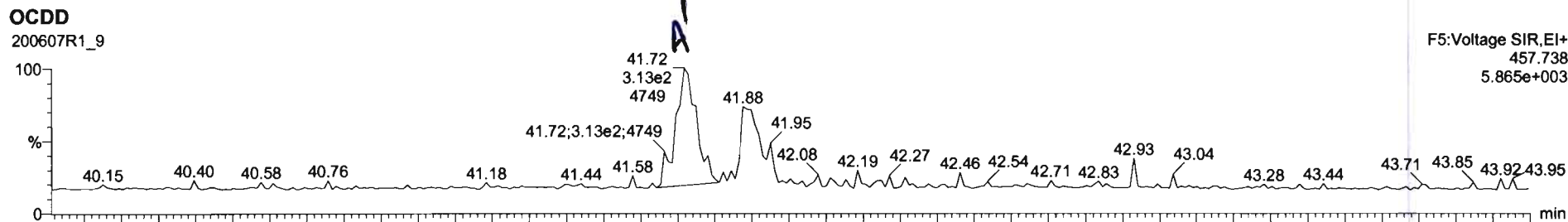
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							

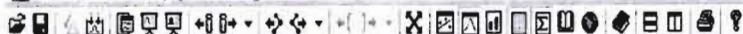


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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

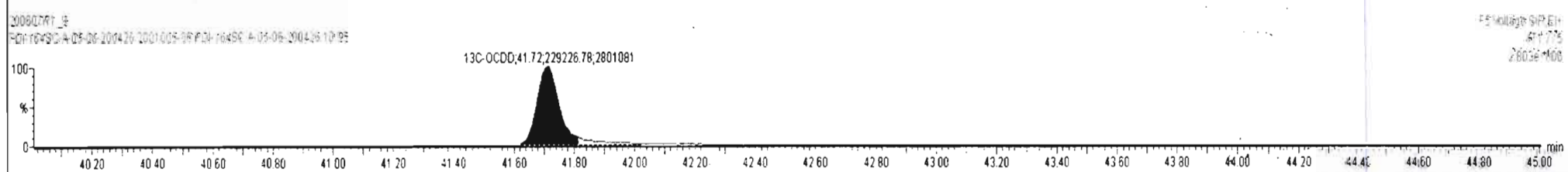
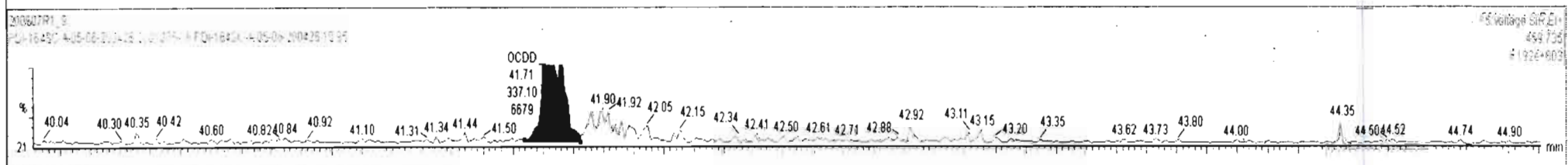
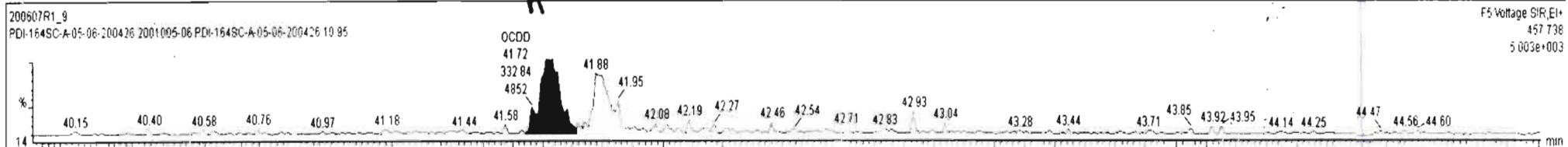




200607R1_9 - 2001005-06 PDI-164SC-A-05-06-200426 10 95 - PDI-164SC-A-05-06-200426

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	6.70e2	0.89	NO	0.9136	10.040	41.72	1.000	0.671		0.154	0.671
8 2,3,7,8-TCDF			NO	0.7510	10.040					0.0439	
9 1,2,3,7,8-PeCDF			NO	0.8925	10.040					0.0461	
10 2,3,4,7,8-PeCDF			NO	0.9348	10.040					0.0407	
11 1,2,3,4,7,8-HxCDF			NO	0.8845	10.040					0.0310	

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



Dataset: Untitled

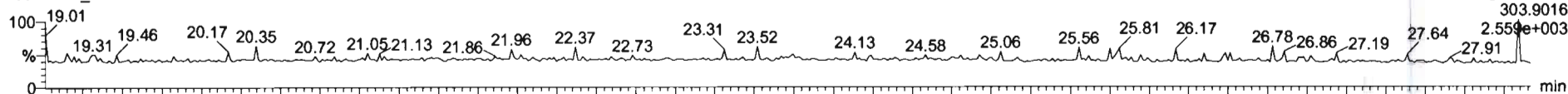
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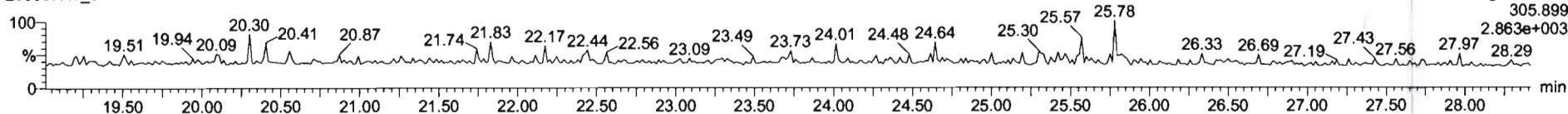
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2,3,7,8-TCDF

200607R1_9

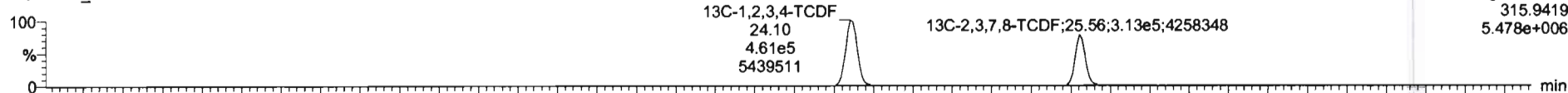


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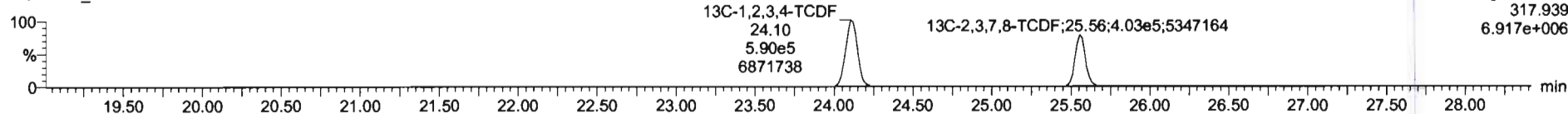


13C-2,3,7,8-TCDF

200607R1_9

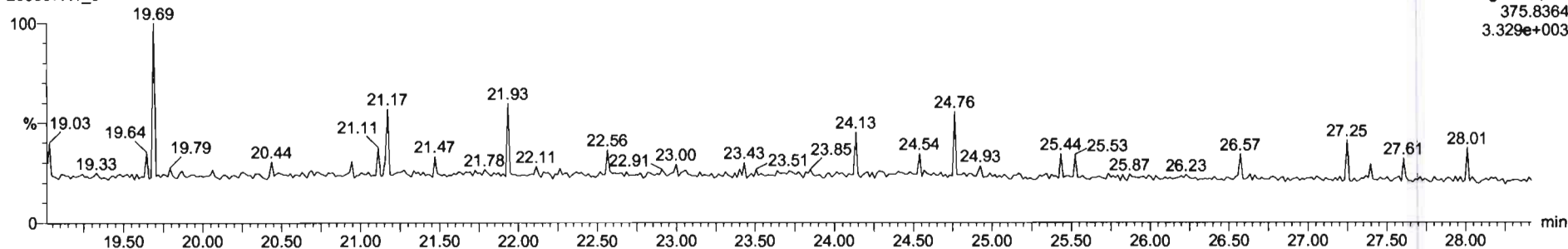


200607R1_9



DPE1

200607R1_9



Dataset: Untitled

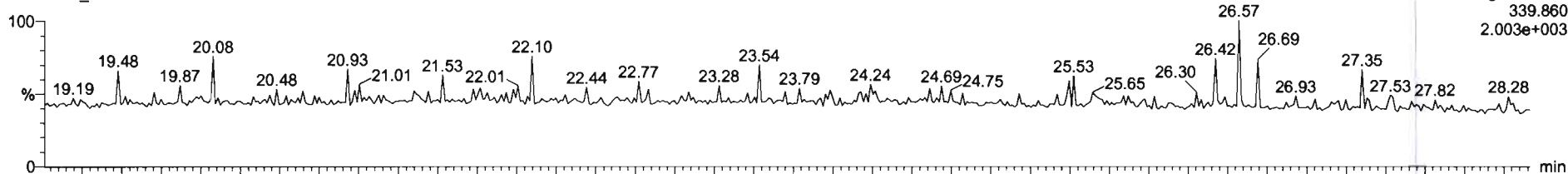
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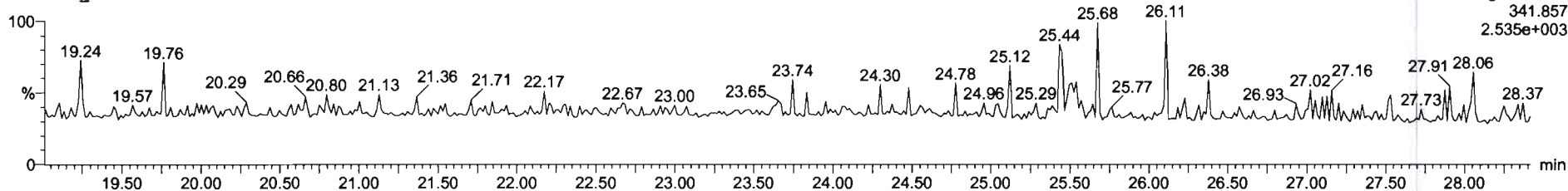
Name: 200607R1_9, Date: 07-Jun-2020, Time: 14:52:50, ID: 2001005-06 PDI-164SC-A-05-06-200426 10.95, Description: PDI-164SC-A-05-06-200426

1st Func. Penta-Furans

200607R1_9

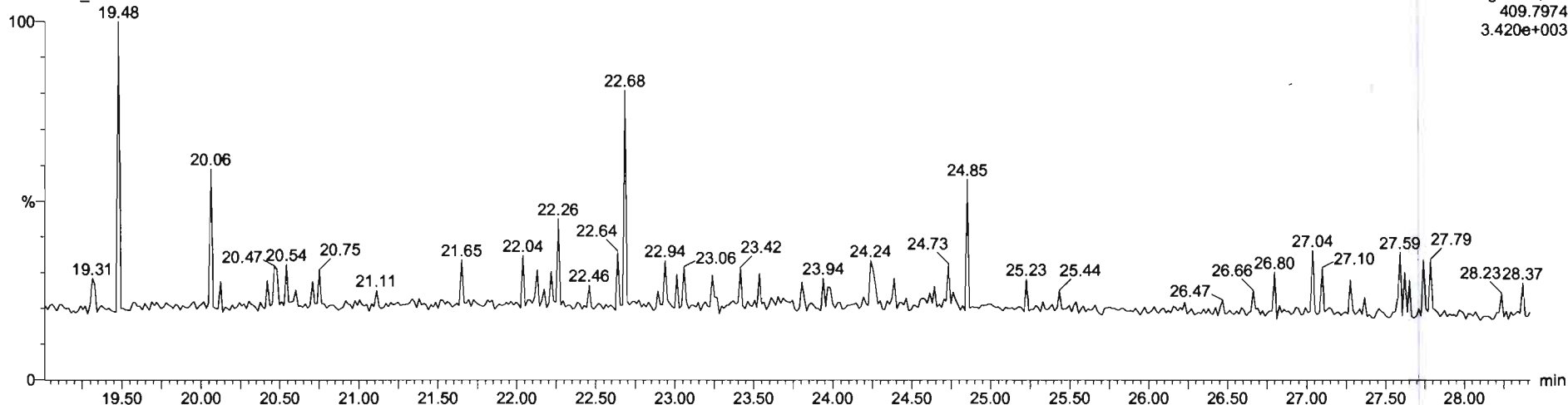


200607R1_9



DPE6

200607R1_9



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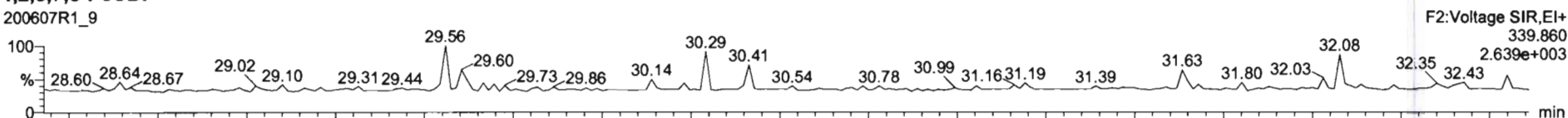
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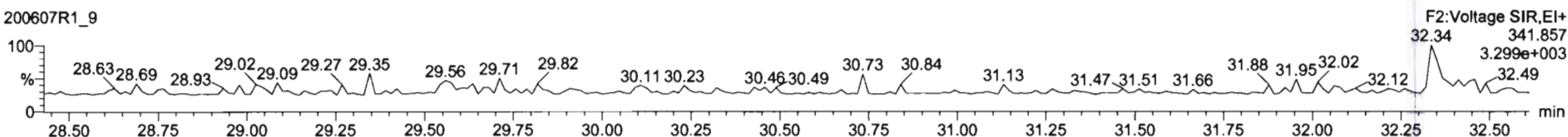
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1,2,3,7,8-PeCDF

200607R1_9

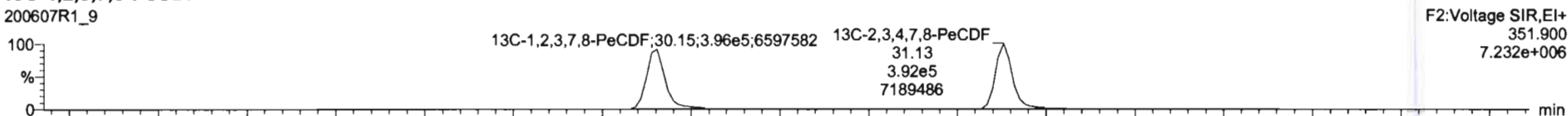


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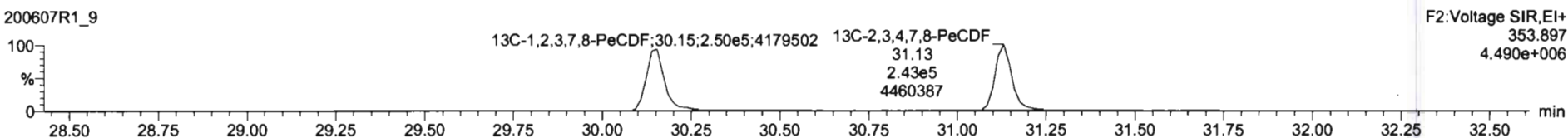


13C-1,2,3,7,8-PeCDF

200607R1_9

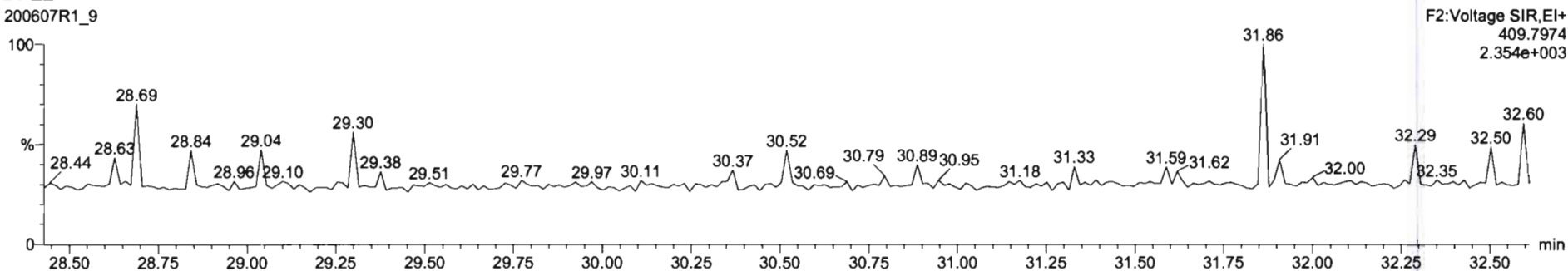


200607R1_9



DPE2

200607R1_9

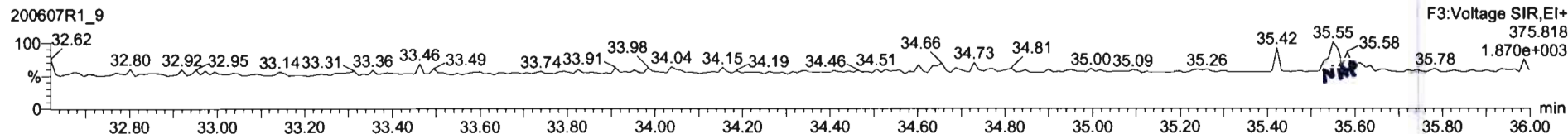
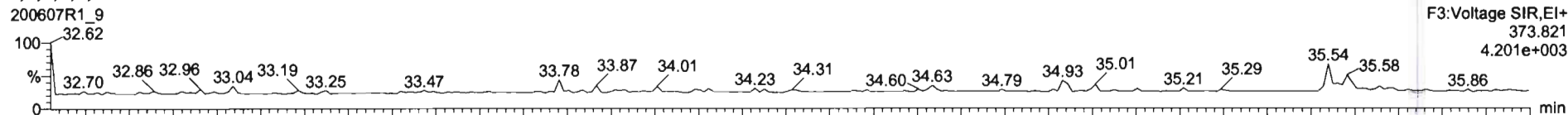


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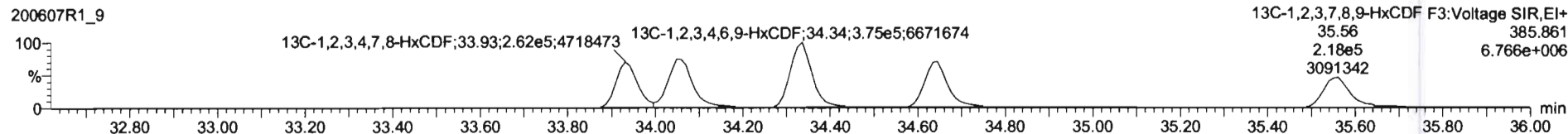
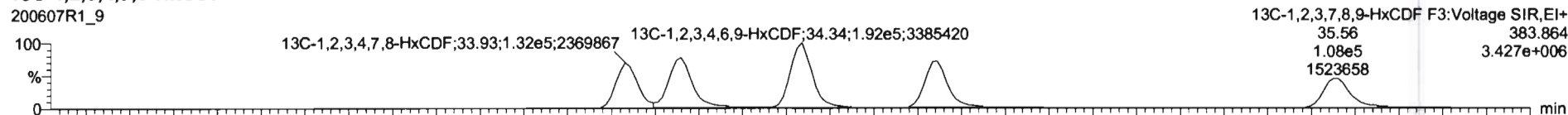
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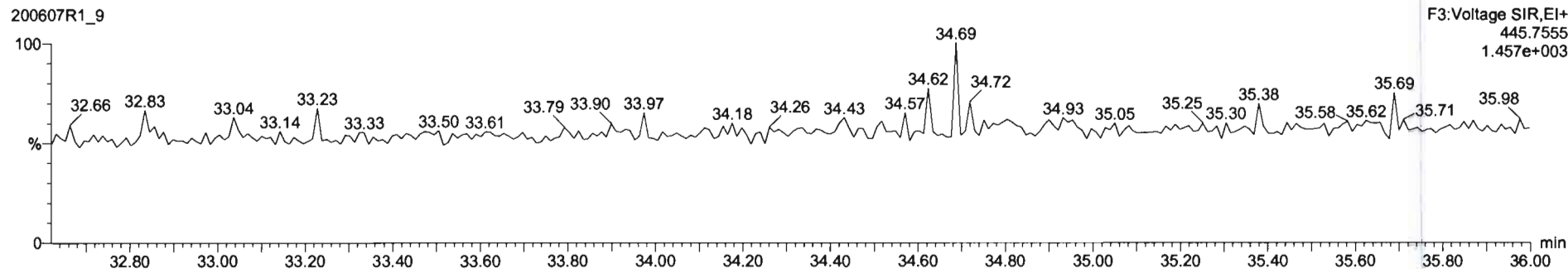
1,2,3,4,7,8-HxCDF



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



DPE3



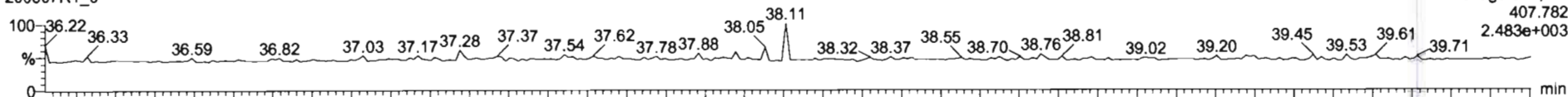
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

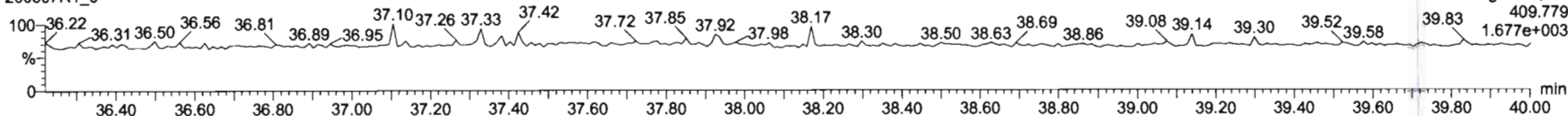
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1,2,3,4,6,7,8-HpCDF

200607R1_9



200607R1_9

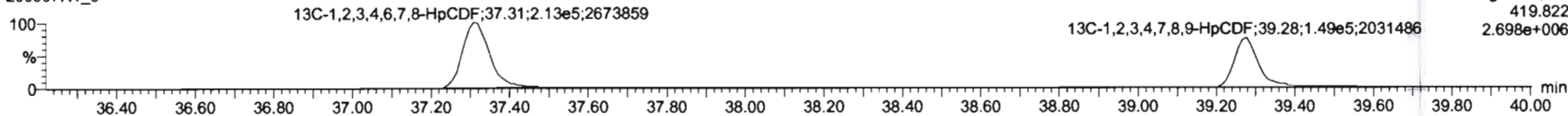


13C-1,2,3,4,6,7,8-HpCDF

200607R1_9

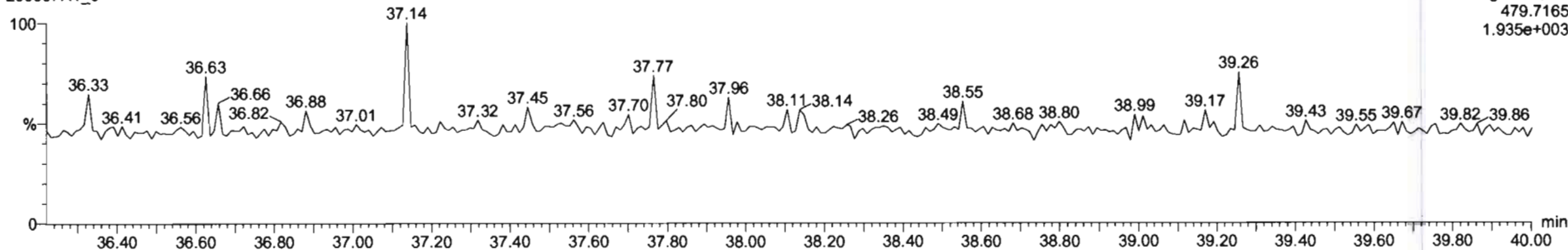


200607R1_9



DPE4

200607R1_9



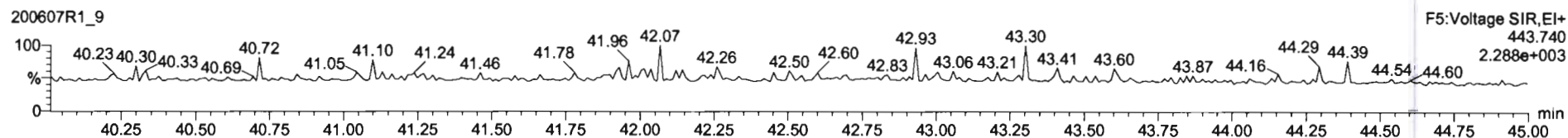
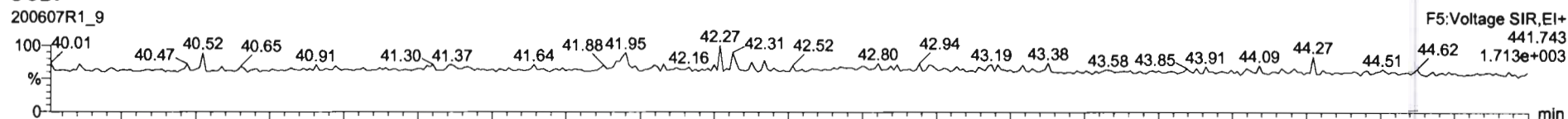
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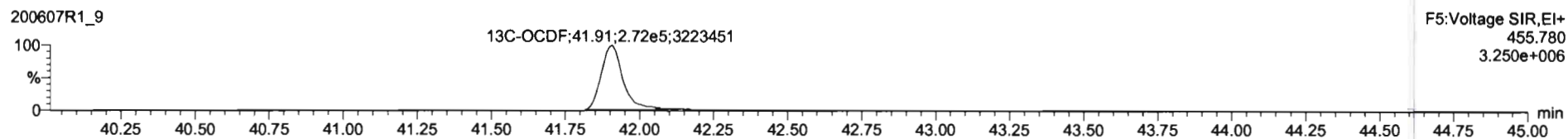
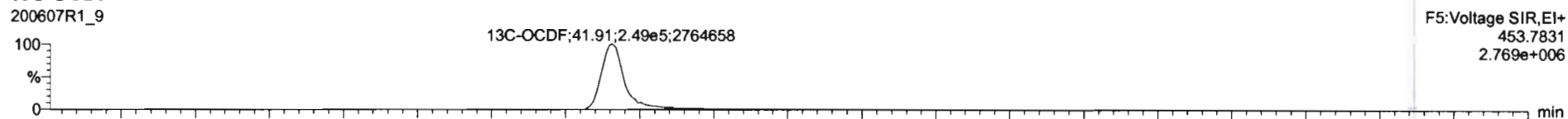
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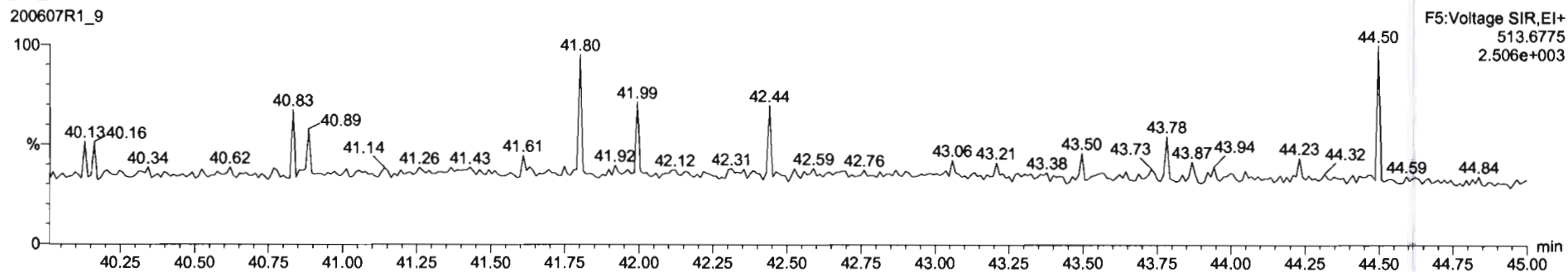
OCDF



13C-OCDF



DPE5

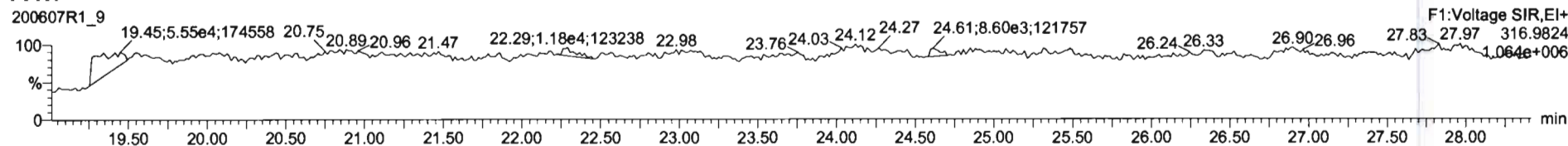


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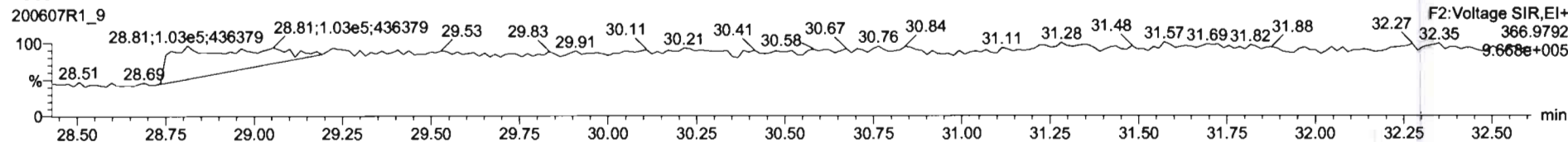
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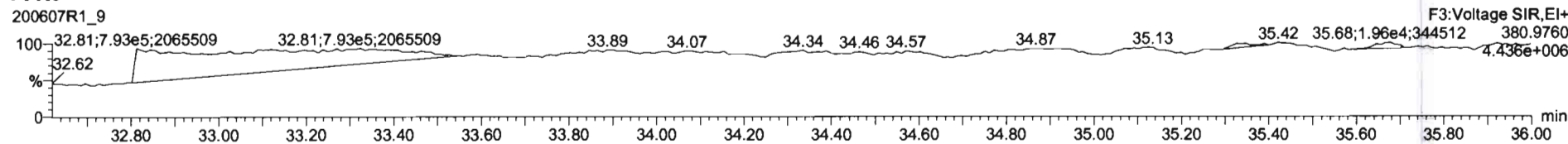
PFK1



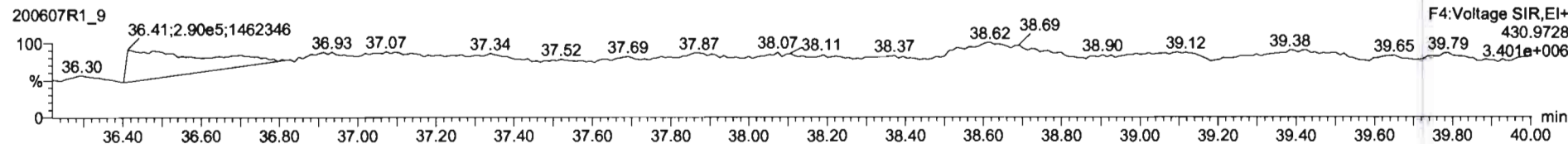
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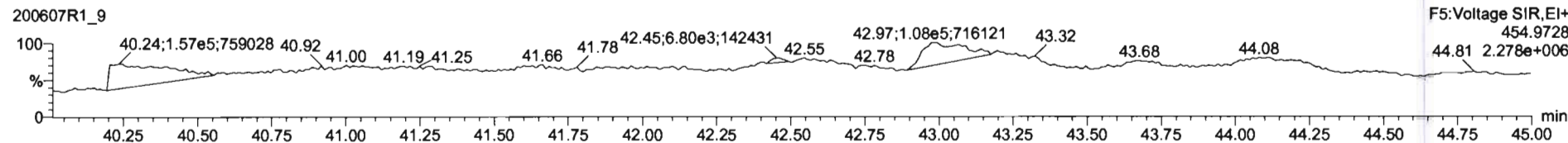
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-10.qld

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Printed: Monday, June 08, 2020 16:21:31 Pacific Daylight Time

Uy 06-08-2020 CTU6/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.031	26.485		1.001				0.0847	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.031	31.457		1.001				0.128	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.031	34.814		1.000				0.0922	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.031	34.900		1.000				0.0911	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.031	35.199		1.000				0.107	
6	6 1,2,3,4,6,7,8-HpCDD	5.12e2	1.01	NO	0.864	10.031	38.735	38.74	1.000	1.001	0.46758		0.155	0.468
7	7 OCDD	4.83e3	0.95	NO	0.914	10.031	41.695	41.72	1.000	1.000	5.0823		0.223	5.08
8	8 2,3,7,8-TCDF			NO	0.751	10.031	25.582		1.001				0.0413	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.031	30.160		1.001				0.0341	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.031	31.146		1.001				0.0329	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.031	33.920		1.000				0.0375	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.031	34.058		1.000				0.0339	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.031	34.669		1.001				0.0388	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.031	35.549		1.000				0.0555	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.031	37.344		1.001				0.0469	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.031	39.266		1.000				0.0524	
17	17 OCDF			NO	0.806	10.031	41.887		1.000				0.104	
18	18 13C-2,3,7,8-TCDD	6.54e5	0.78	NO	1.16	10.031	26.476	26.45	1.026	1.026	172.21	86.4	0.220	
19	19 13C-1,2,3,7,8-PeCDD	4.94e5	0.63	NO	0.849	10.031	31.656	31.43	1.227	1.219	177.12	88.8	0.440	
20	20 13C-1,2,3,4,7,8-HxCDD	3.20e5	1.26	NO	0.779	10.031	34.809	34.80	1.014	1.014	160.22	80.4	0.584	
21	21 13C-1,2,3,6,7,8-HxCDD	4.29e5	1.28	NO	1.02	10.031	34.922	34.90	1.017	1.017	164.88	82.7	0.448	
22	22 13C-1,2,3,7,8,9-HxCDD	3.66e5	1.26	NO	0.903	10.031	35.193	35.19	1.025	1.025	158.35	79.4	0.504	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.53e5	1.05	NO	0.689	10.031	38.715	38.72	1.128	1.128	143.22	71.8	0.670	
24	24 13C-OCDD	4.14e5	0.87	NO	0.652	10.031	41.736	41.69	1.216	1.215	248.15	62.2	0.552	
25	25 13C-2,3,7,8-TCDF	7.97e5	0.77	NO	1.06	10.031	25.519	25.56	0.989	0.991	154.65	77.6	0.351	
26	26 13C-1,2,3,7,8-PeCDF	7.29e5	1.57	NO	0.838	10.031	30.041	30.14	1.165	1.168	178.85	89.7	0.918	
27	27 13C-2,3,4,7,8-PeCDF	7.19e5	1.63	NO	0.817	10.031	30.993	31.11	1.202	1.206	181.06	90.8	0.942	
28	28 13C-1,2,3,4,7,8-HxCDF	4.25e5	0.50	NO	1.01	10.031	33.941	33.92	0.989	0.988	164.70	82.6	0.630	
29	29 13C-1,2,3,6,7,8-HxCDF	5.24e5	0.50	NO	1.17	10.031	34.064	34.05	0.992	0.992	175.22	87.9	0.544	
30	30 13C-2,3,4,6,7,8-HxCDF	4.59e5	0.53	NO	1.02	10.031	34.637	34.63	1.009	1.009	175.31	87.9	0.621	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-10.qld

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Printed: Monday, June 08, 2020 16:21:31 Pacific Daylight Time

Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.71e5	0.50	NO	0.860	10.031	35.537	35.55	1.035	1.036	168.52	84.5	0.739	
32	13C-1,2,3,4,6,7,8-HpCDF	3.05e5	0.42	NO	0.774	10.031	37.284	37.31	1.086	1.087	153.68	77.1	0.572	
33	13C-1,2,3,4,7,8,9-HpCDF	2.08e5	0.40	NO	0.521	10.031	39.312	39.27	1.145	1.144	156.02	78.3	0.851	
34	13C-OCDF	4.86e5	0.93	NO	0.746	10.031	41.907	41.89	1.221	1.220	254.76	63.9	0.599	
35	37Cl-2,3,7,8-TCDD	2.41e5			1.04	10.031	26.507	26.47	1.028	1.026	70.748	88.7	0.0856	
36	13C-1,2,3,4-TCDD	6.55e5	0.78	NO	1.00	10.031	25.890	25.80	1.000	1.000	199.39	100	0.255	
37	13C-1,2,3,4-TCDF	9.70e5	0.78	NO	1.00	10.031	24.360	24.10	1.000	1.000	199.39	100	0.372	
38	13C-1,2,3,4,6,9-HxCDF	5.11e5	0.51	NO	1.00	10.031	34.420	34.33	1.000	1.000	199.39	100	0.635	
39	Total Tetra-Dioxins				0.888	10.031	24.620		0.000		0.00000		0.0453	0.155
40	Total Penta-Dioxins				0.908	10.031	29.960		0.000		0.11859		0.0497	0.119
41	Total Hexa-Dioxins				0.892	10.031	33.635		0.000		0.56703		0.101	0.792
42	Total Hepta-Dioxins				0.864	10.031	37.640		0.000		1.5922		0.155	1.59
43	Total Tetra-Furans				0.751	10.031	23.610		0.000		0.00000		0.0202	0.121
44	1st Func. Penta-Furans				0.893	10.031	27.580		0.000				0.0133	
45	Total Penta-Furans				0.893	10.031	29.275		0.000				0.0129	
46	Total Hexa-Furans				0.934	10.031	33.555		0.000				0.0238	
47	Total Hepta-Furans				0.873	10.031	37.835		0.000				0.0226	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-10.qld

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Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
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Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	24.27	4.529e3	3.414e3	2.694e2	2.556e2	1.05	YES	0.000e0	0.00000	0.15500	0.0847

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.71	2.017e3	2.925e3	9.685e1	1.699e2	0.57	NO	2.667e2	0.11859	0.11900	0.0497

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	33.30	1.064e4	1.005e4	5.262e2	4.168e2	1.26	NO	9.431e2	0.56703	0.56700	0.101
2	Total Hexa-Dioxins	34.15	3.506e3	2.561e3	2.381e2	1.670e2	1.43	YES	0.000e0	0.00000	0.22500	0.101

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.74	7.762e3	7.572e3	6.250e2	6.067e2	1.03	NO	1.232e3	1.1246	1.1250	0.155
2	1,2,3,4,6,7,8-HpCDD	38.74	4.287e3	4.991e3	2.577e2	2.544e2	1.01	NO	5.121e2	0.46758	0.46800	0.155

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	24.73	5.841e3	2.722e3	4.291e2	2.057e2	2.09	YES	0.000e0	0.00000	0.12100	0.0202

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-10.qld

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Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

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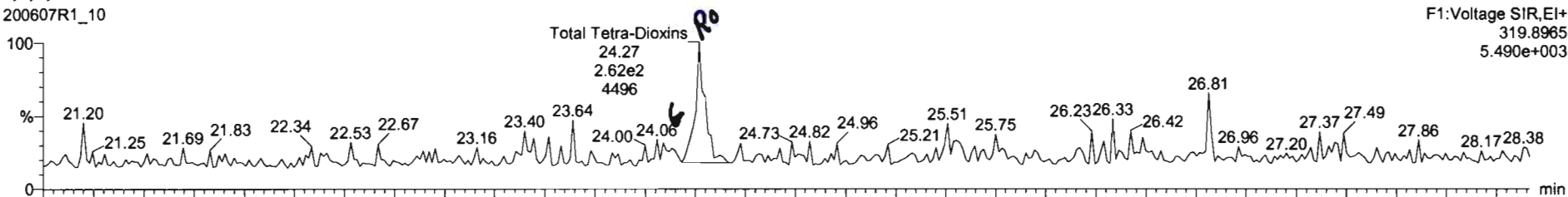
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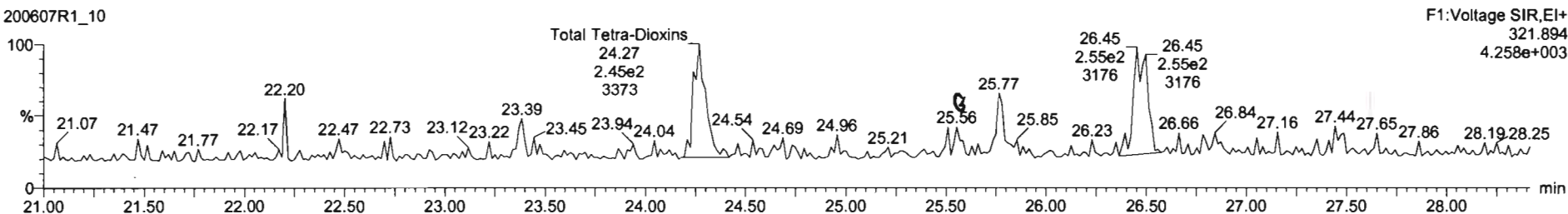
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2,3,7,8-TCDD

200607R1_10

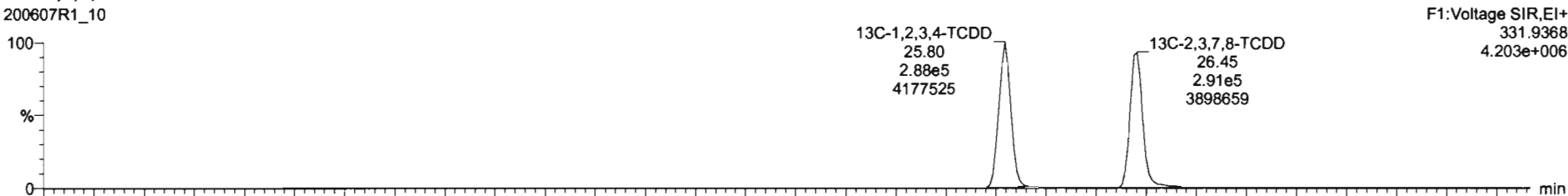


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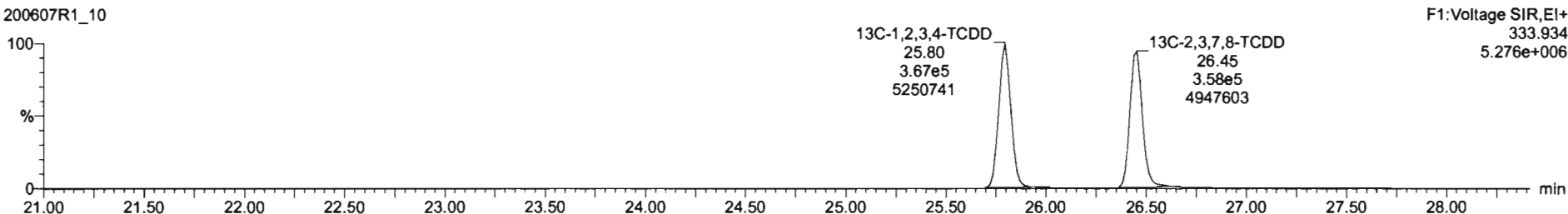


13C-2,3,7,8-TCDD

200607R1_10



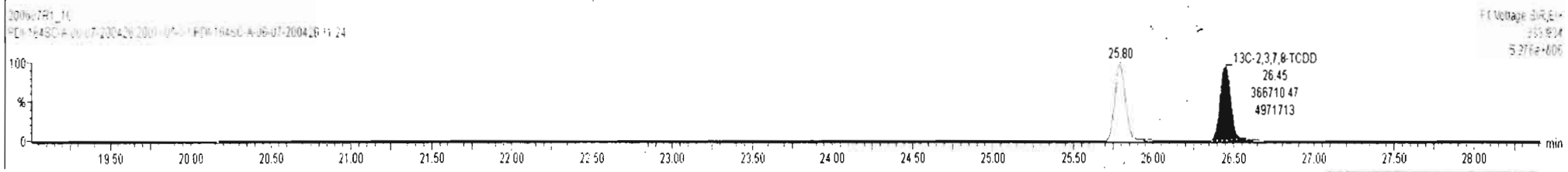
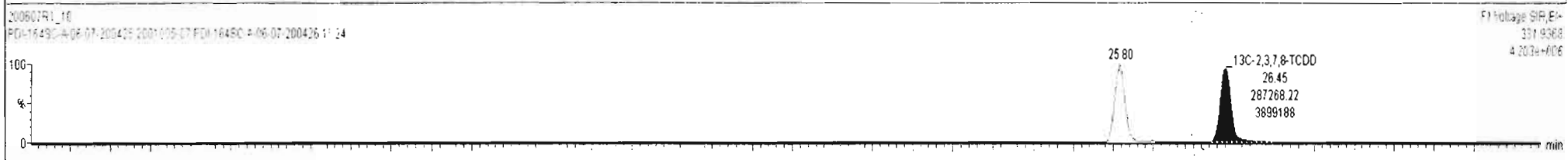
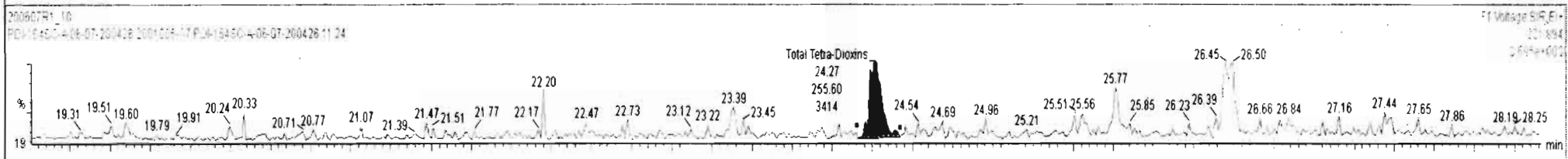
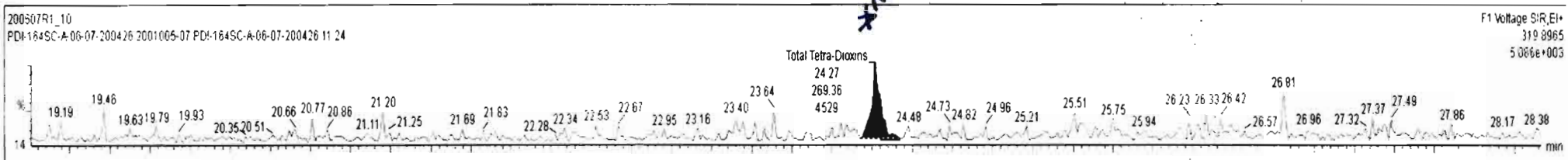
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Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.031			0.000		0.0453	0.155
40 Total Penta-Dioxins				0.9081	10.031					0.0497	
41 Total Hexa-Dioxins				0.8923	10.031			0.579		0.101	0.579
42 Total Hepta-Dioxins				0.8639	10.031			1.07		0.155	1.07
43 Total Tetra-Furans				0.7510	10.031					0.0202	

7 July 06-09-2020

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Dioxins	24.27	2.694e2	2.556e2	1.05	YES	0.15527	0.00000



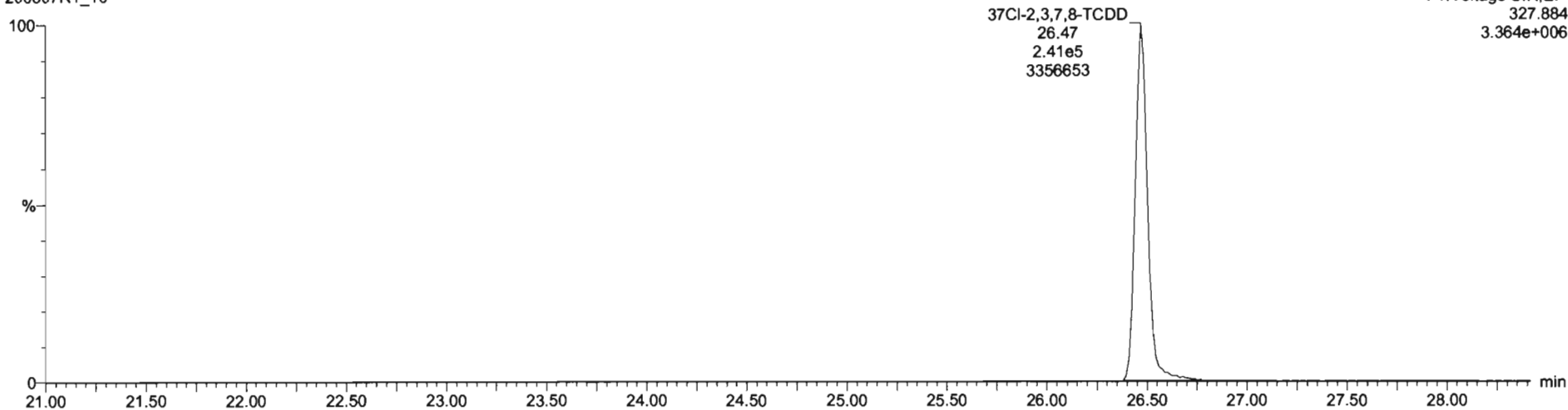
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Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

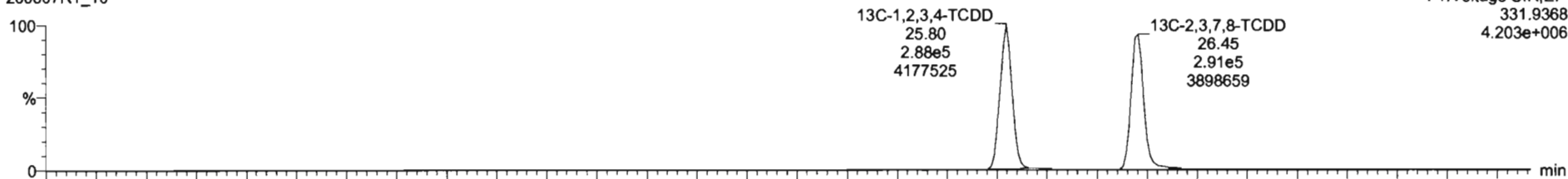
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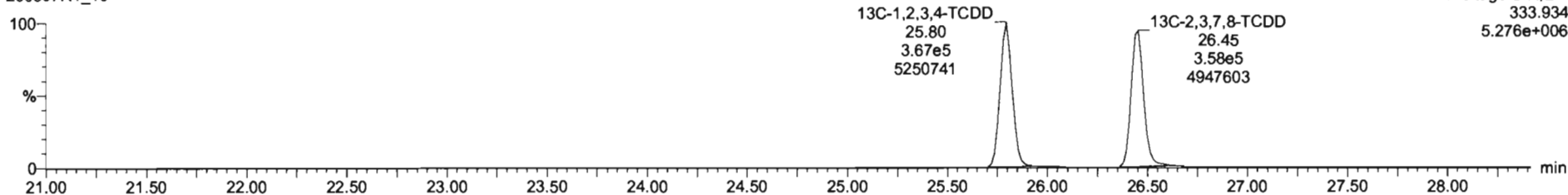


13C-1,2,3,4-TCDD

200607R1_10



200607R1_10



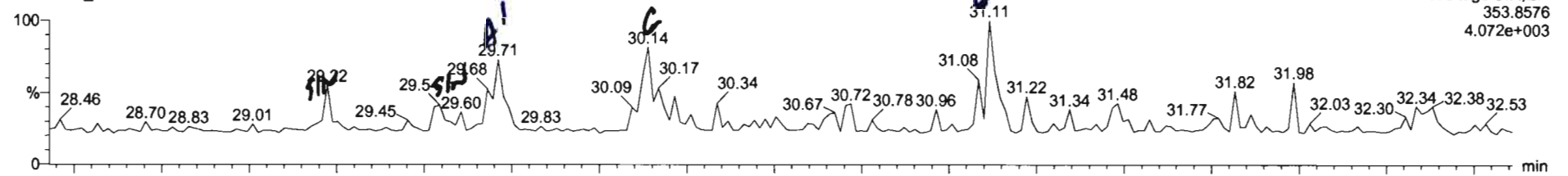
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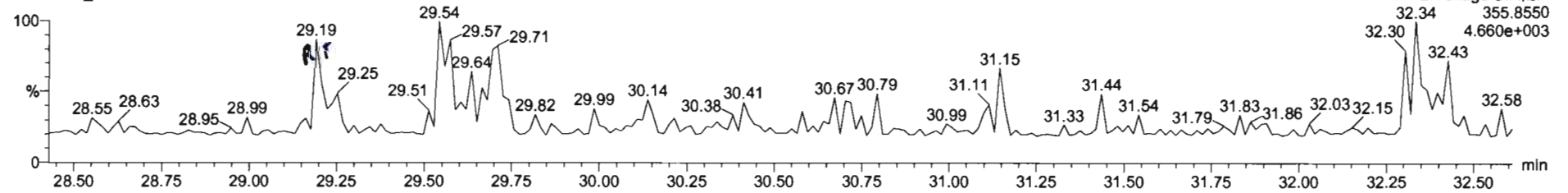
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1,2,3,7,8-PeCDD

200607R1_10

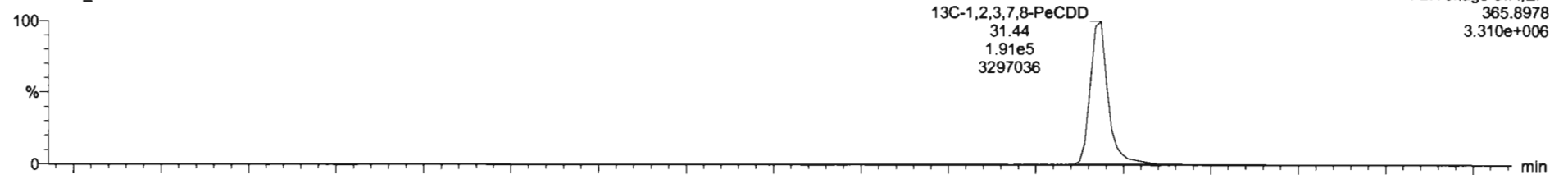


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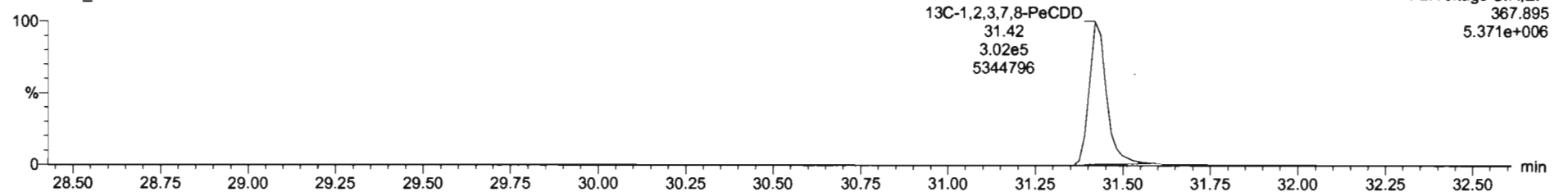


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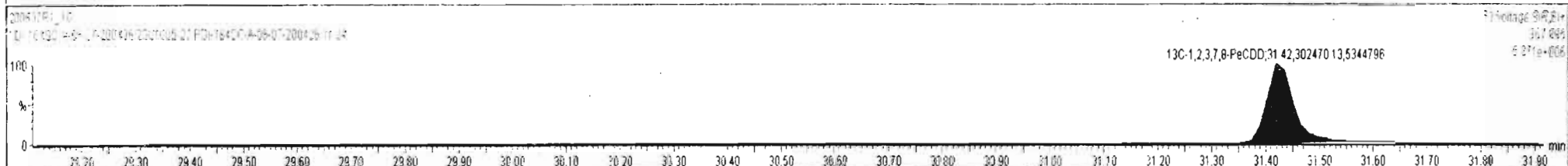
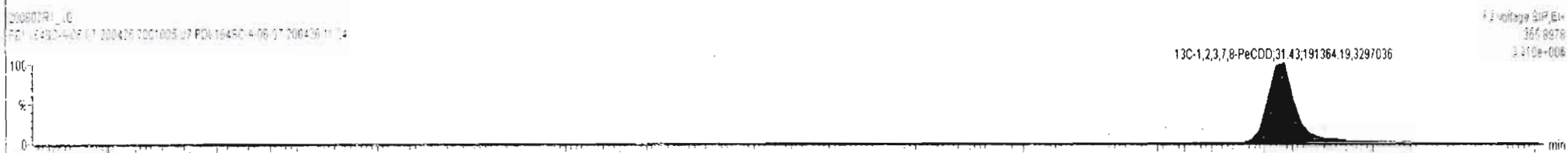
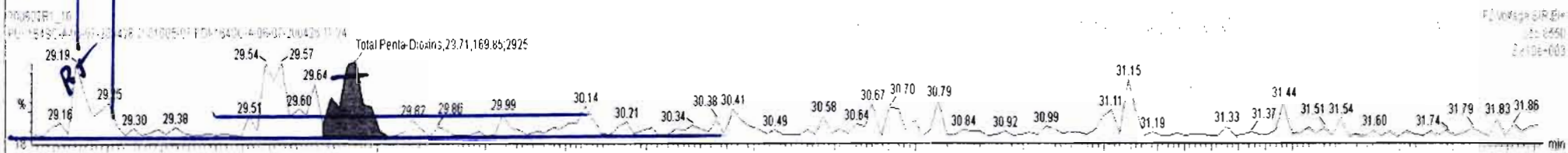
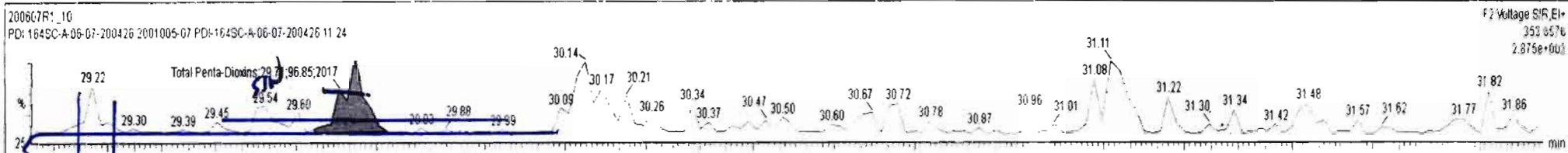


200607R1_10



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.031			0.000		0.0453	0.155
40 Total Penta-Dioxins				0.9081	10.031			0.119		0.0497	0.119
41 Total Hexa-Dioxins				0.8923	10.031			0.581		0.101	0.821
42 Total Hepta-Dioxins				0.8639	10.031			1.07		0.155	1.07
43 Total Tetra-Furans				0.7510	10.031					0.0202	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.71	9.685e1	1.699e2	0.57	NO	0.11859	0.11859



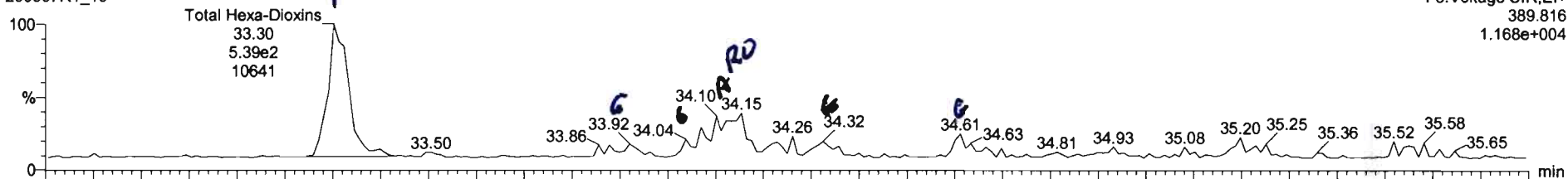
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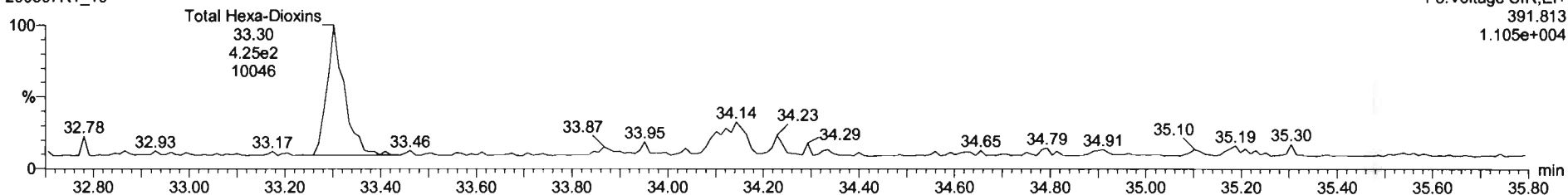
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1,2,3,4,7,8-HxCDD

200607R1_10

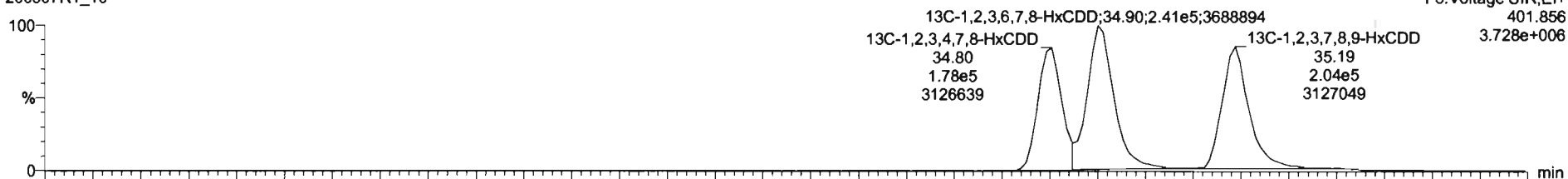


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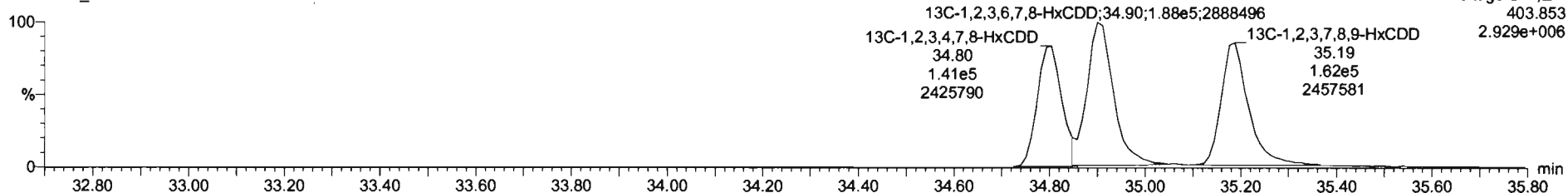


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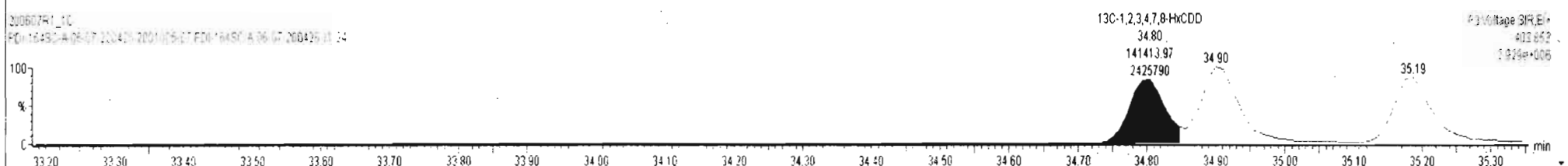
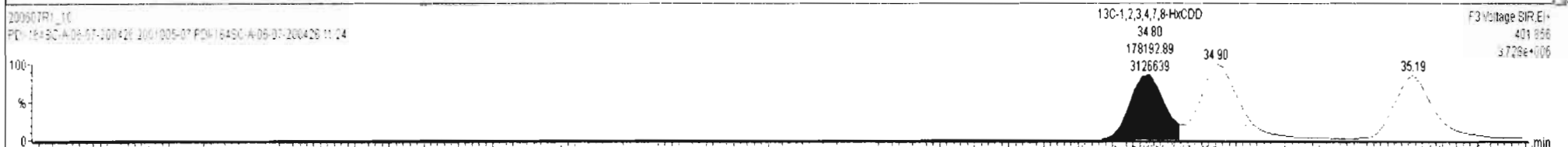
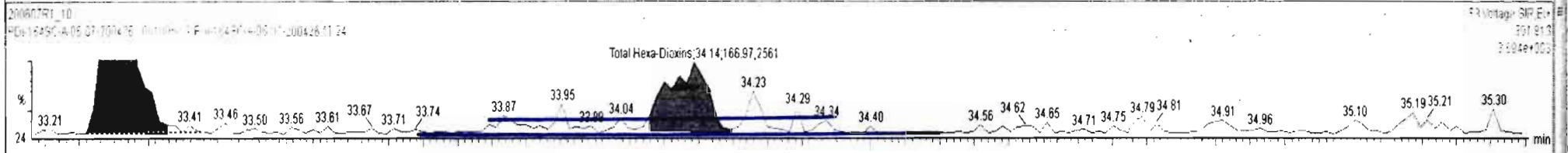
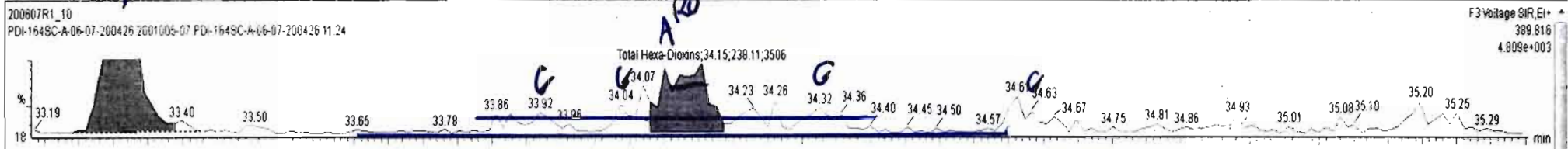


200607R1_10



Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.031			0.000		0.0453	0.155
40 Total Penta-Dioxins				0.9081	10.031			0.119		0.0497	0.119
41 Total Hexa-Dioxins				0.8823	10.031			0.567		0.101	0.792
42 Total Hepta-Dioxins				0.8639	10.031			1.07		0.155	1.07
43 Total Tetra-Furans				0.7510	10.031					0.0202	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.30	5.262e2	4.168e2	1.26	NO	0.56703	0.56703
2 Total Hexa-Dioxins	34.15	2.381e2	1.670e2	1.43	YES	0.22488	0.00000



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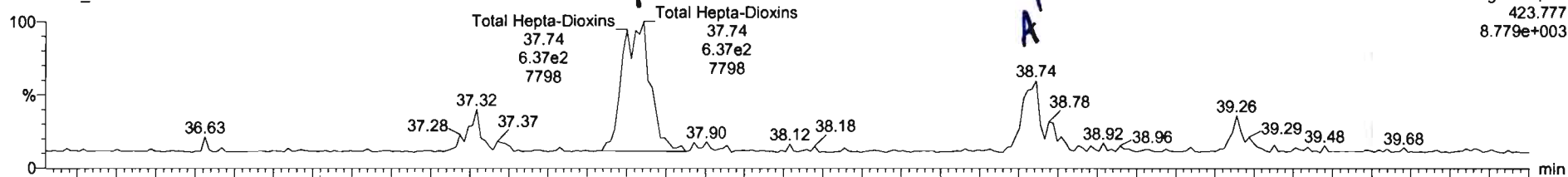
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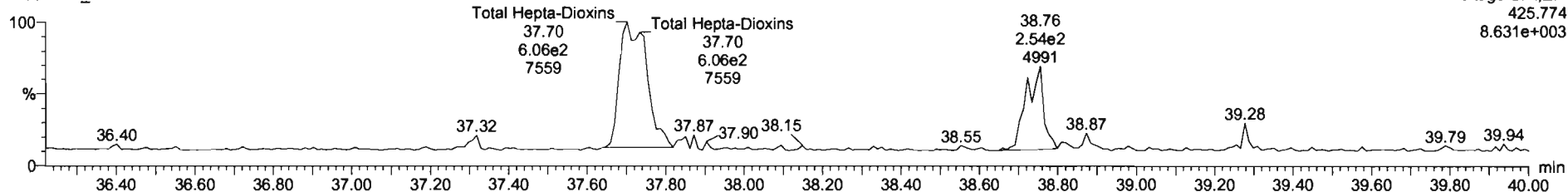
1,2,3,4,6,7,8-HpCDD

200607R1_10



F4:Voltage SIR,EI+
423.777
8.779e+003

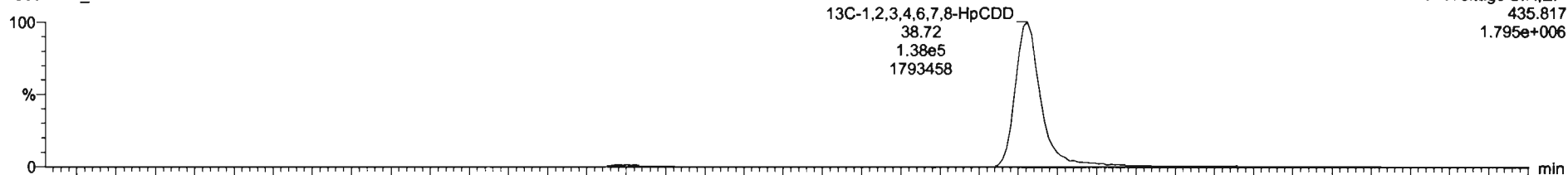
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F4:Voltage SIR,EI+
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8.631e+003

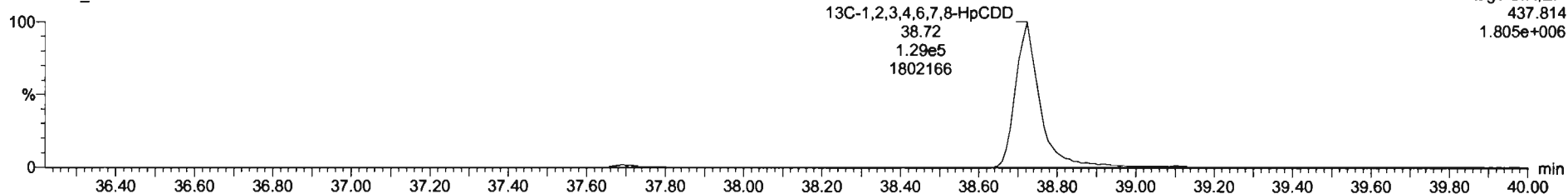
13C-1,2,3,4,6,7,8-HpCDD

200607R1_10



F4:Voltage SIR,EI+
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1.795e+006

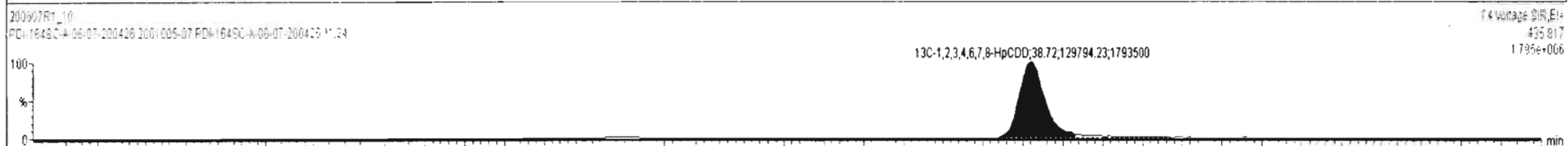
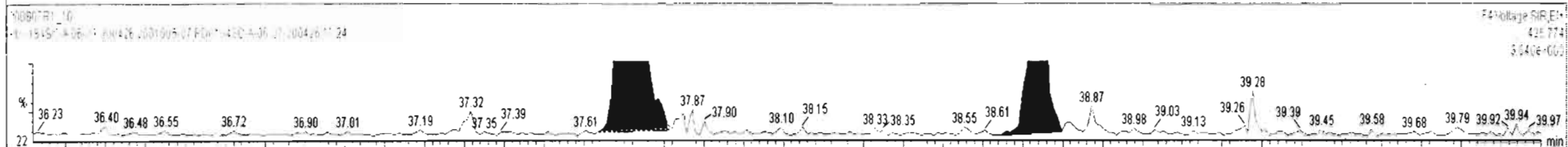
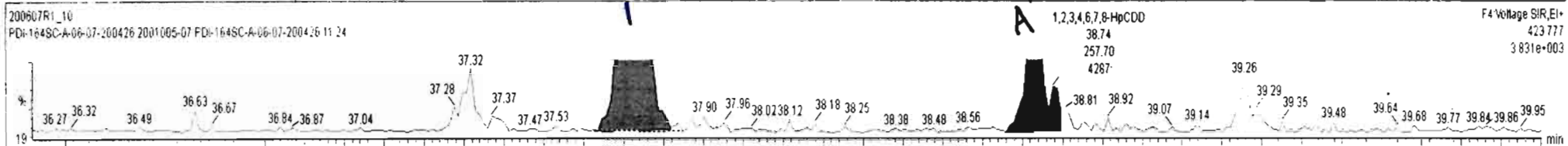
200607R1_10



F4:Voltage SIR,EI+
437.814
1.805e+006

Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.031			0.000		0.0453	0.155
40 Total Penta-Dioxins				0.9081	10.031			0.119		0.0497	0.119
41 Total Hexa-Dioxins				0.8923	10.031			0.567		0.101	0.792
42 Total Hepta-Dioxins				0.8639	10.031			1.59		0.156	1.59
43 Total Tetra-Furans				0.7510	10.031					0.0202	

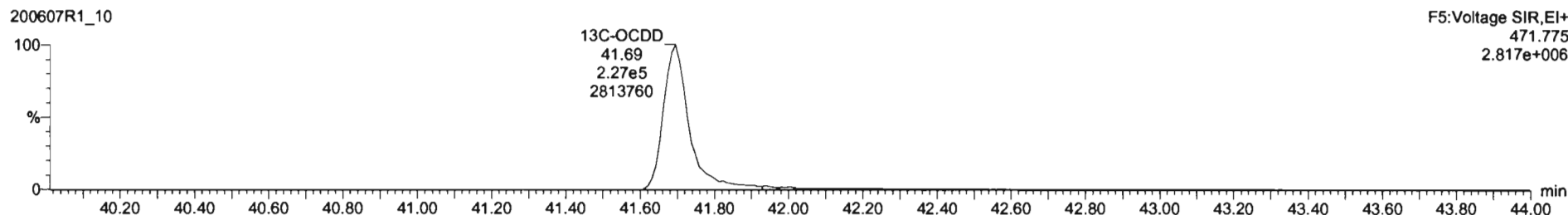
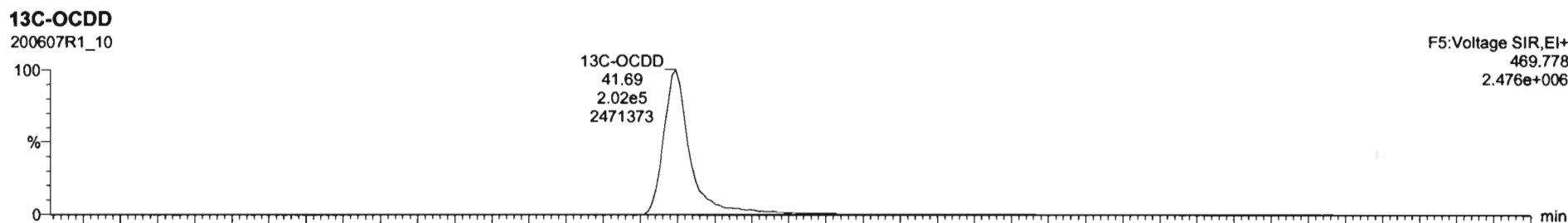
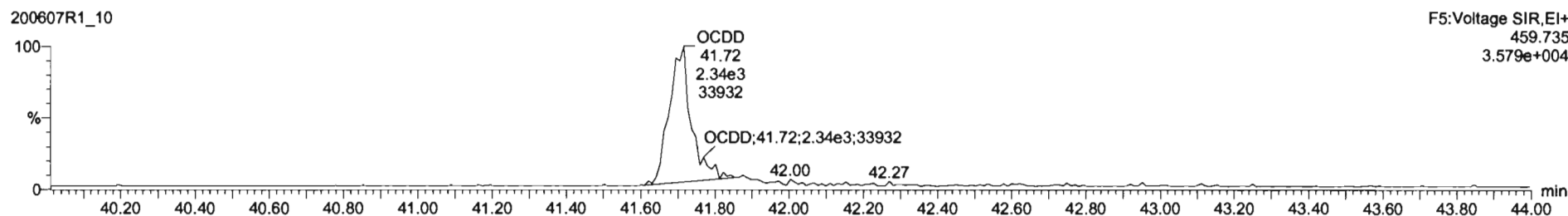
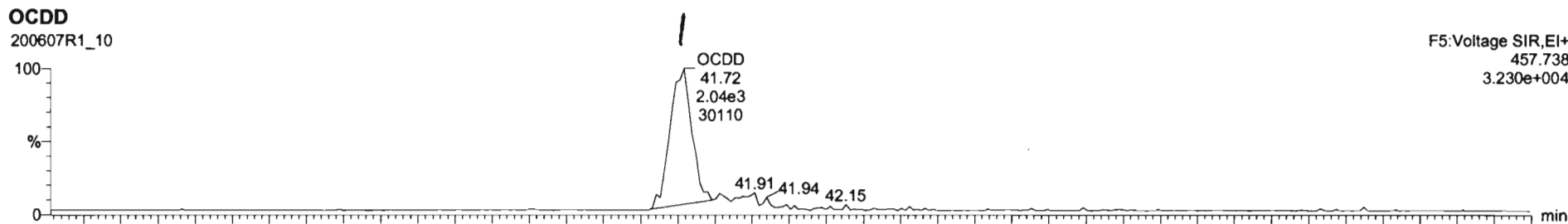
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hepta-Dioxins	37.74	6.250e2	6.067e2	1.03	NO	1.1246	1.1246
2 1,2,3,4,6,7,8-HpCDD	38.74	2.577e2	2.544e2	1.01	NO	0.46758	0.46758



Dataset: Untitled

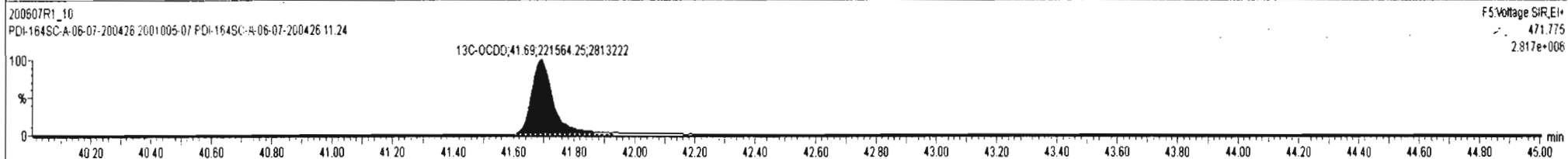
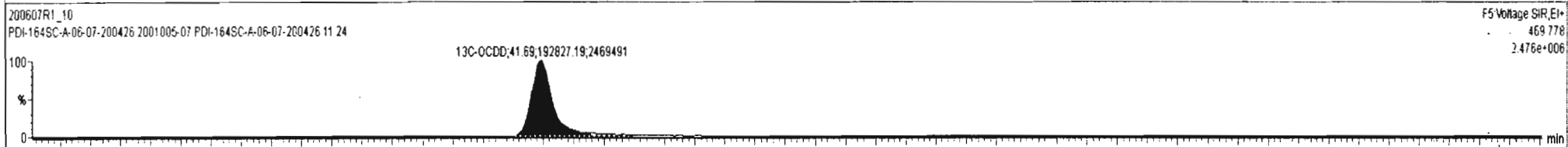
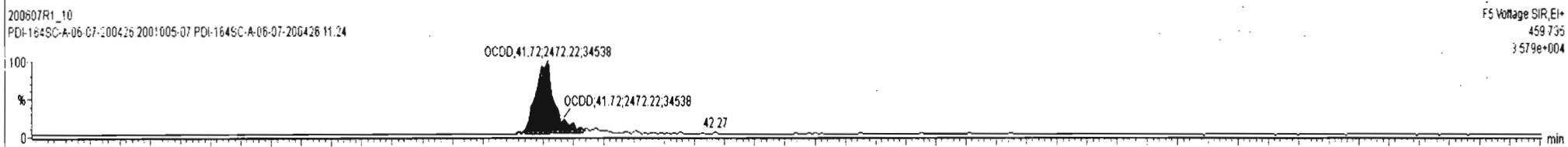
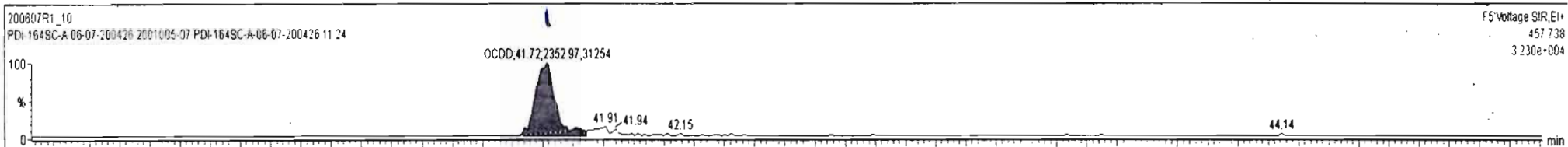
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	4.83e3	0.95	NO	0.9136	10.031	41.72	1.001	5.08		0.223	5.08
8 2,3,7,8-TCDF			NO	0.7510	10.031					0.0413	
9 1,2,3,7,8-PeCDF			NO	0.8925	10.031					0.0341	
10 2,3,4,7,8-PeCDF			NO	0.9348	10.031					0.0329	
11 1,2,3,4,7,8-HxCDF			NO	0.8845	10.031					0.0375	

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



Dataset: Untitled

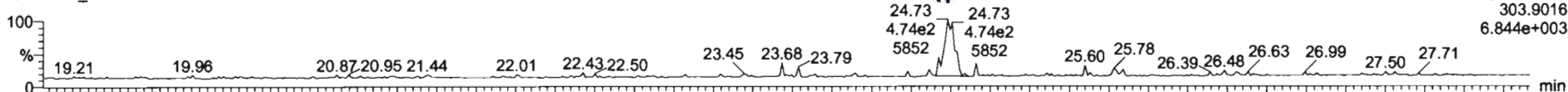
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

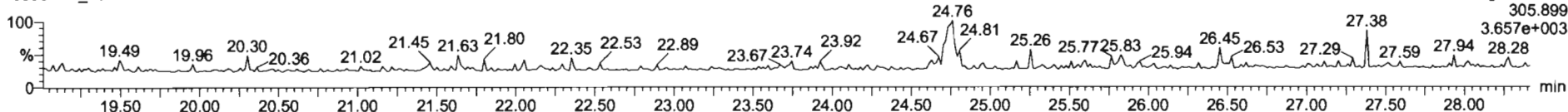
Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

2,3,7,8-TCDF

200607R1_10

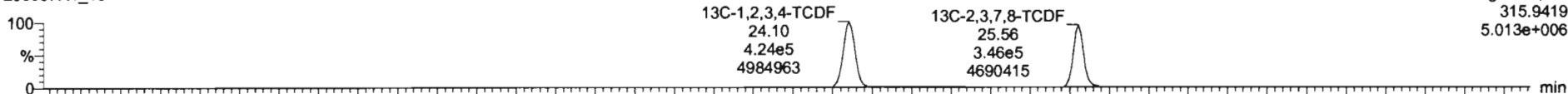


200607R1_10

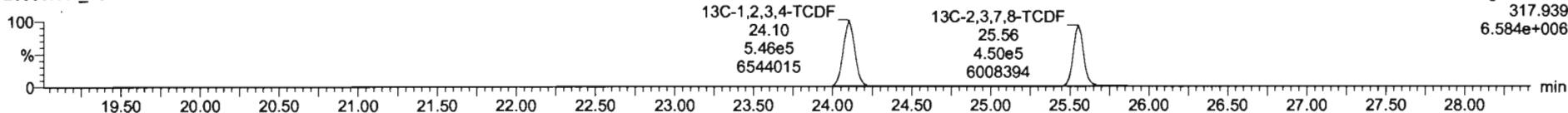


13C-2,3,7,8-TCDF

200607R1_10

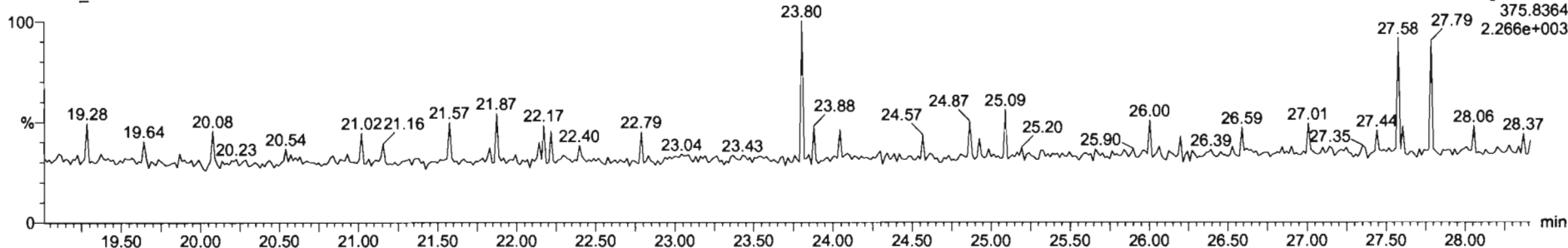


200607R1_10



DPE1

200607R1_10



Dataset: Untitled

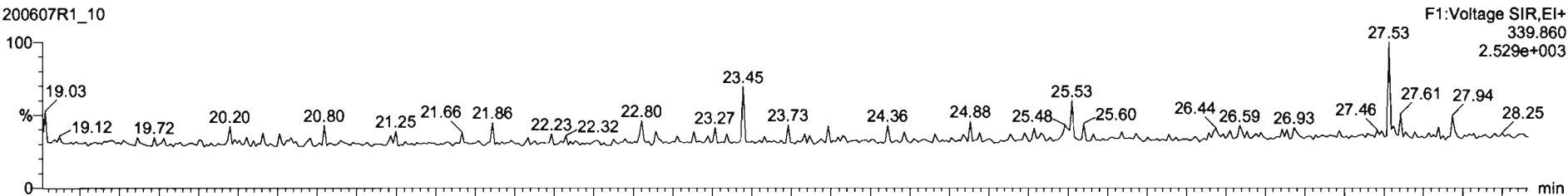
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

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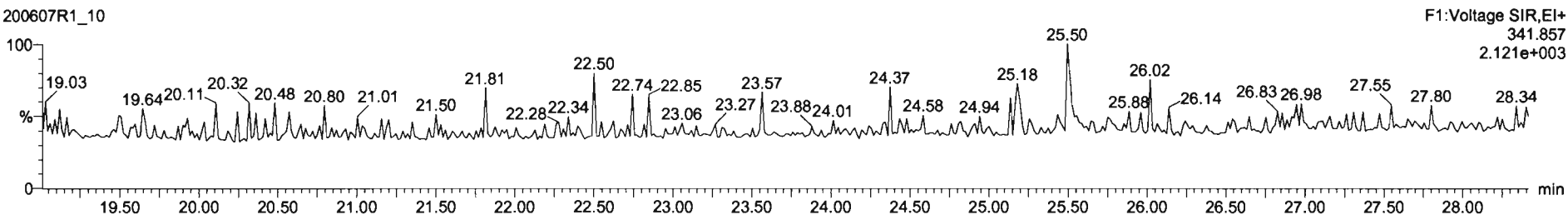
Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

1st Func. Penta-Furans

200607R1_10

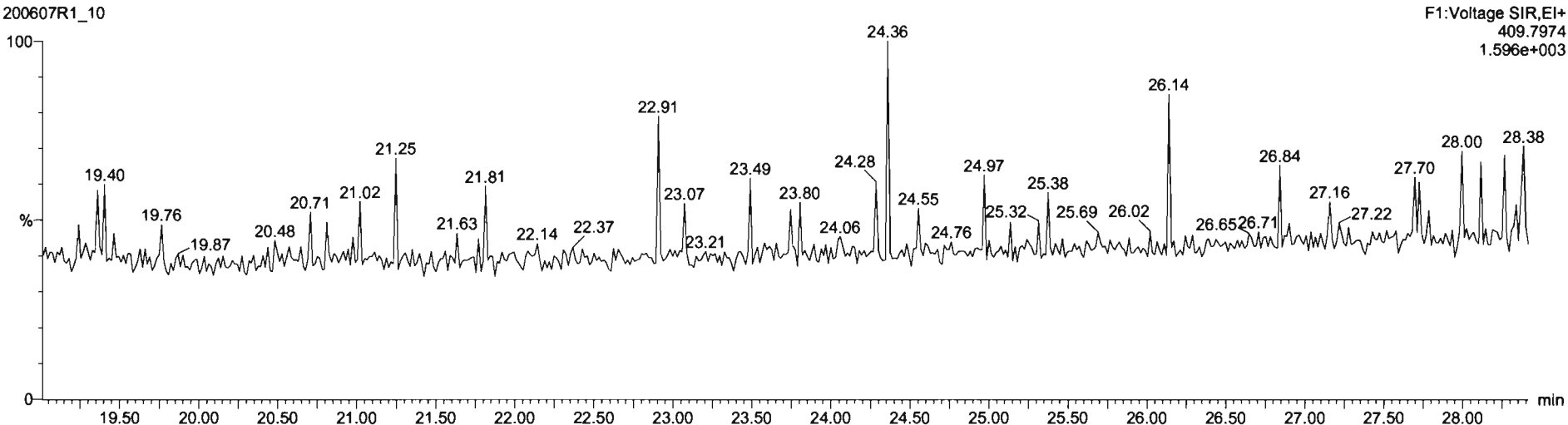


200607R1_10



DPE6

200607R1_10

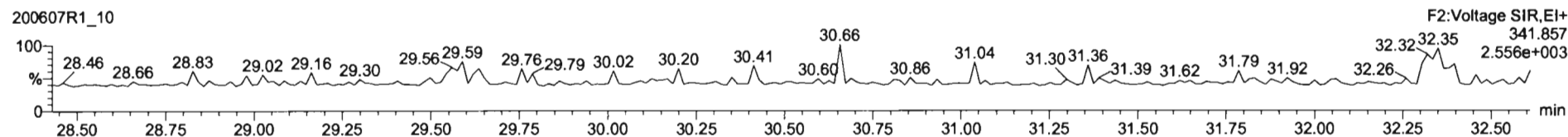
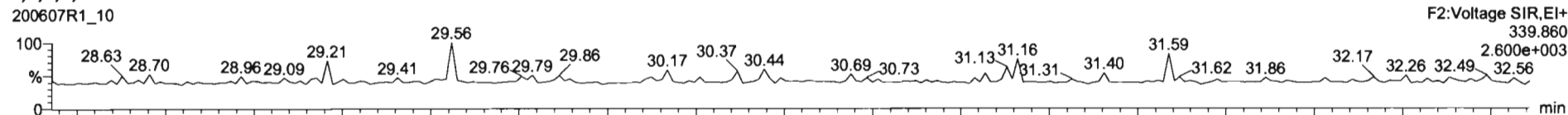


Dataset: Untitled

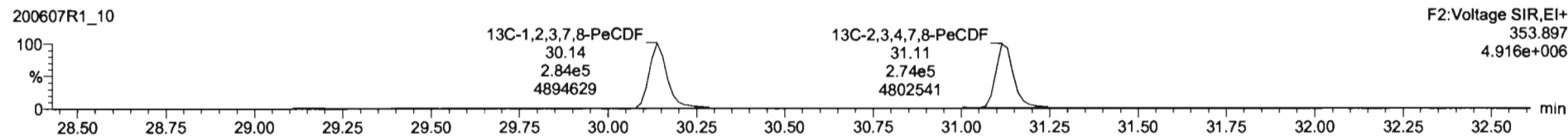
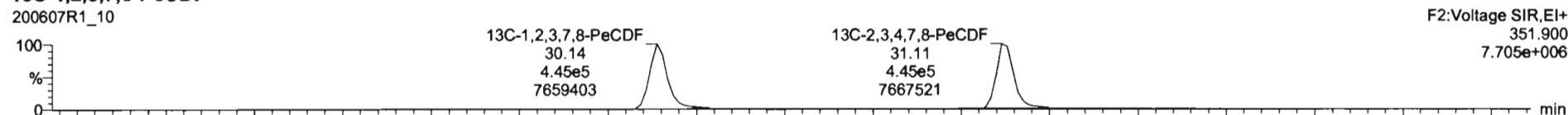
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Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

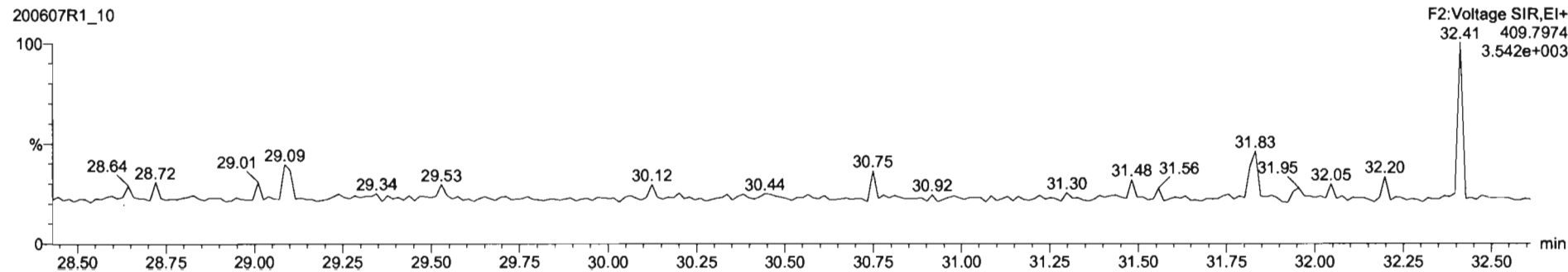
1,2,3,7,8-PeCDF



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



DPE2

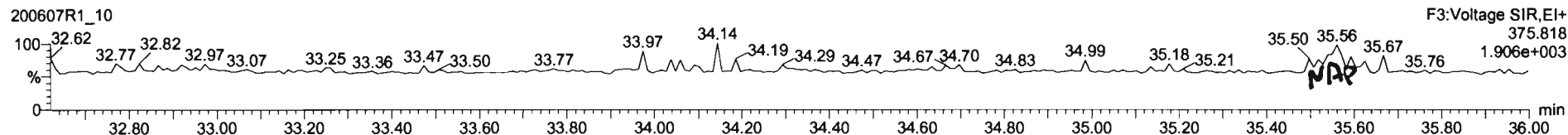
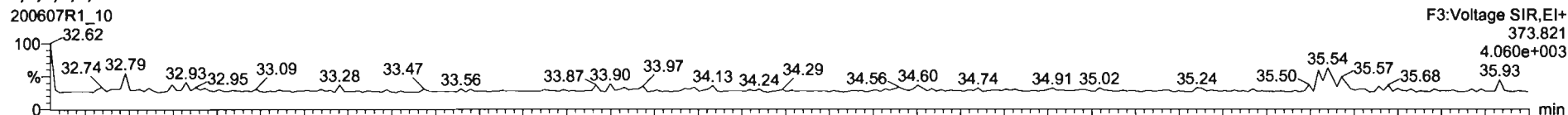


Dataset: Untitled

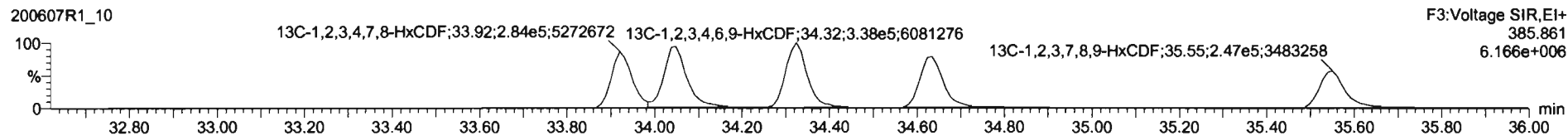
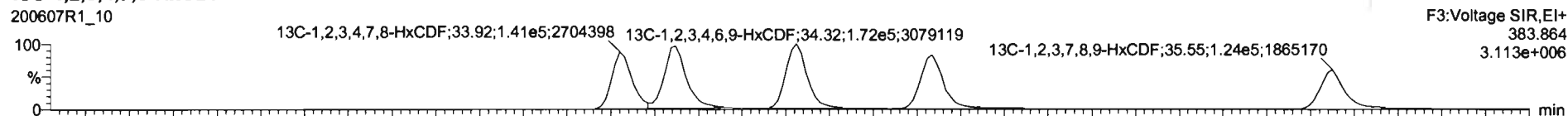
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

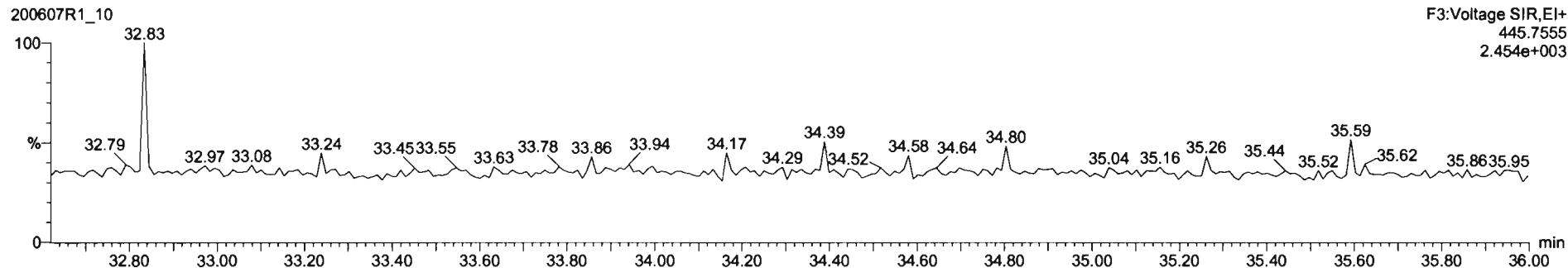
1,2,3,4,7,8-HxCDF



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

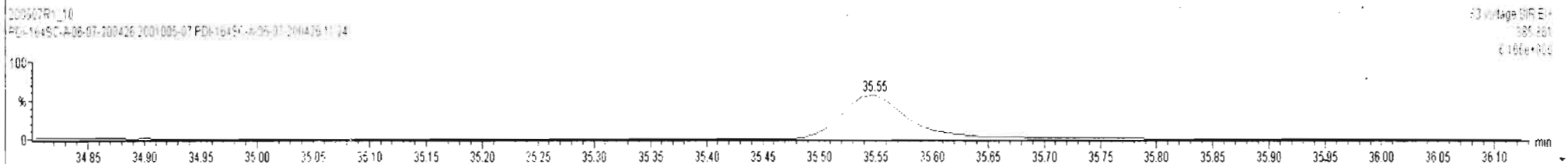
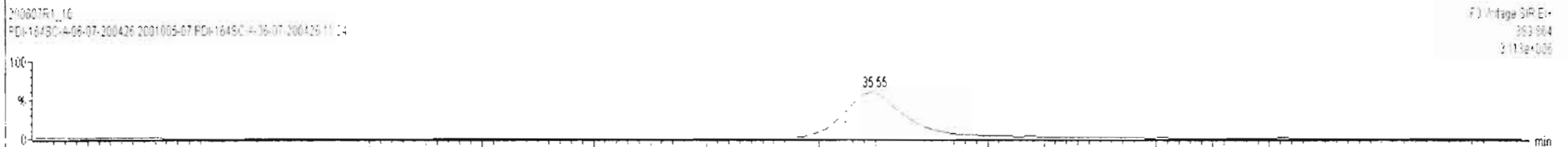
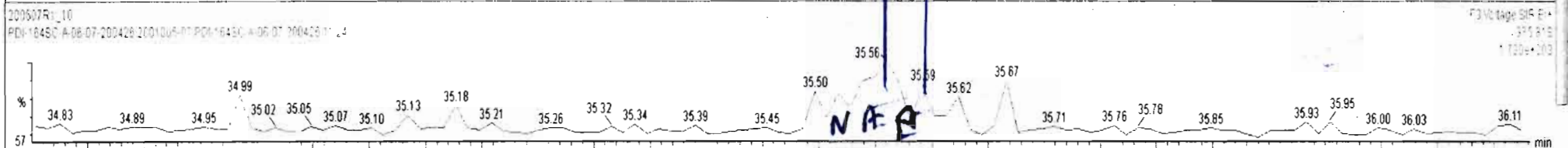
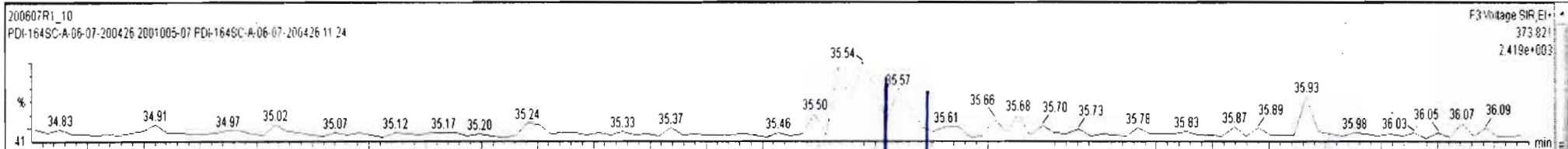


DPE3



Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.031			0.000		0.0202	0.121
44 1st Func. Penta-Furans				0.8925	10.031					0.0133	
45 Total Penta-Furans				0.8925	10.031					0.0129	
46 Total Hexa-Furans				0.9341	10.031					0.0236	
47 Total Hepta-Furans				0.8734	10.031					0.0226	

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

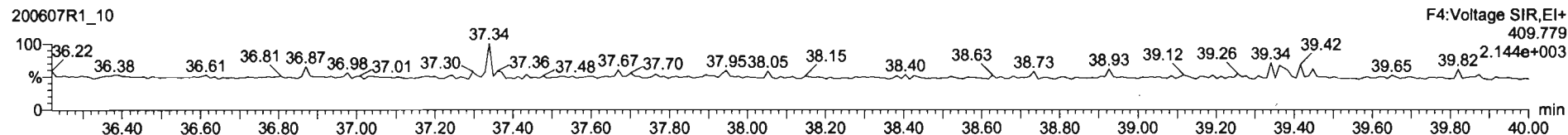
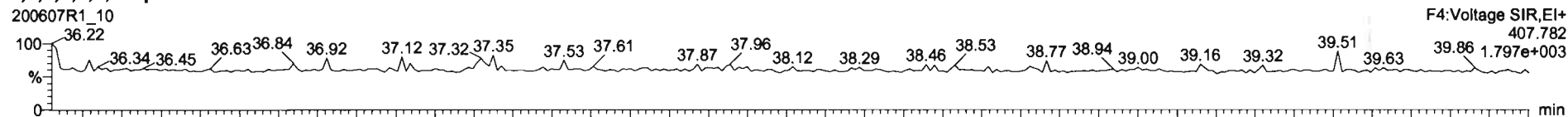


Dataset: Untitled

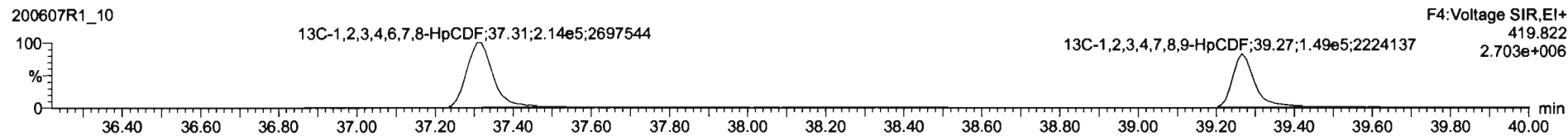
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

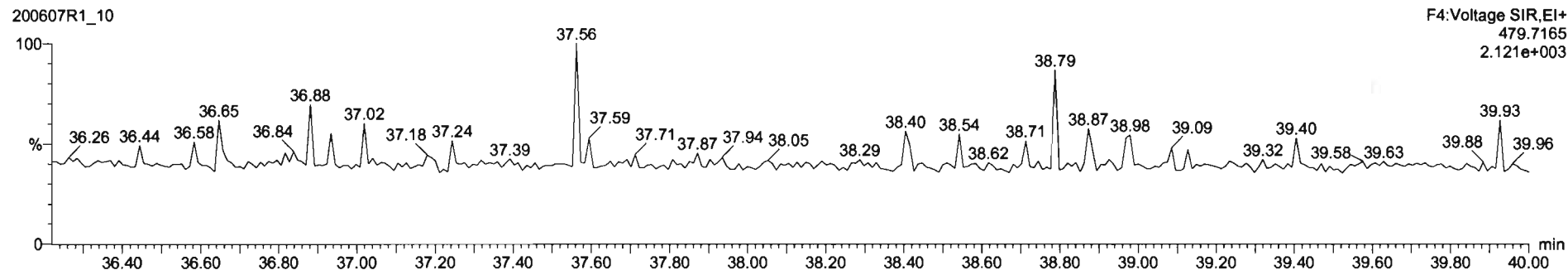
1,2,3,4,6,7,8-HpCDF



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



DPE4

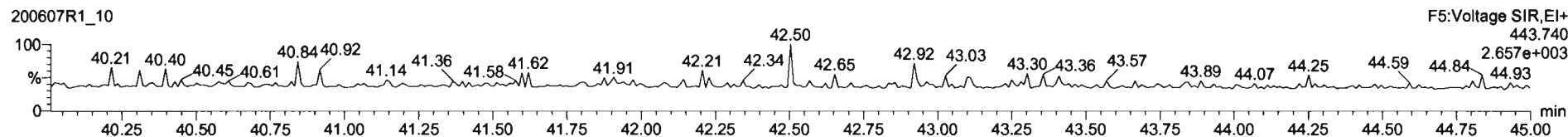
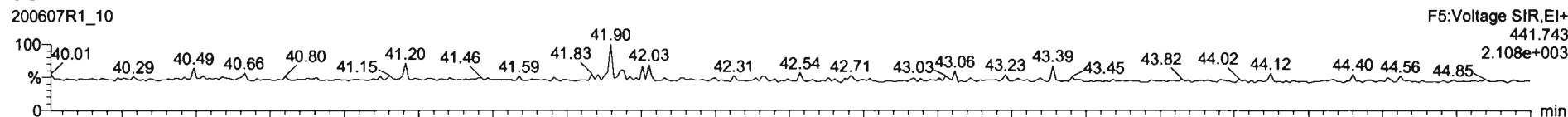


Dataset: Untitled

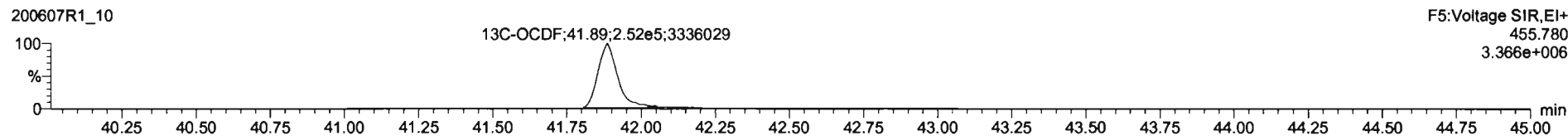
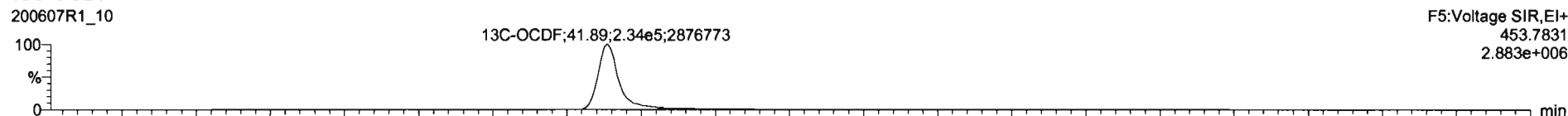
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

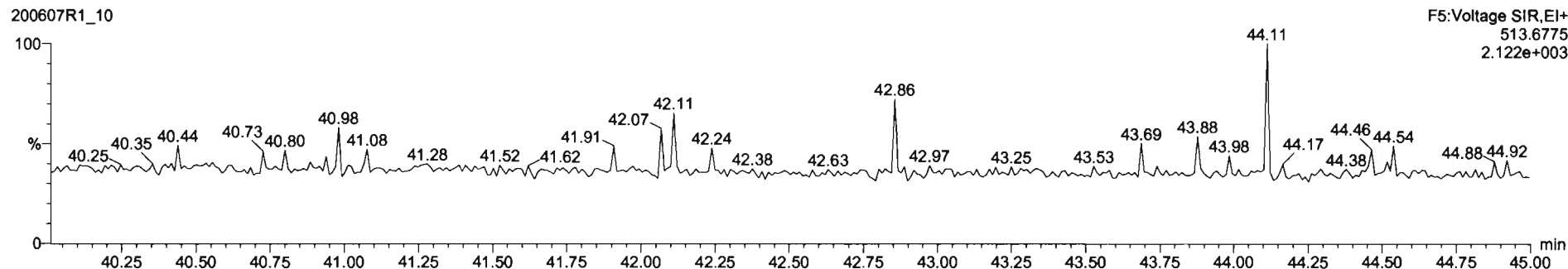
OCDF



13C-OCDF



DPE5



Dataset: Untitled

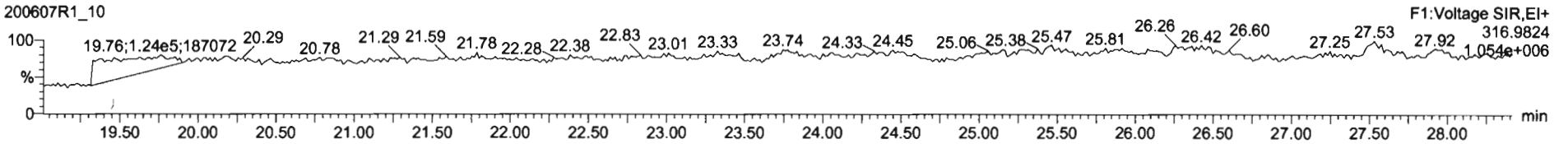
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_10, Date: 07-Jun-2020, Time: 15:39:00, ID: 2001005-07 PDI-164SC-A-06-07-200426 11.24, Description: PDI-164SC-A-06-07-200426

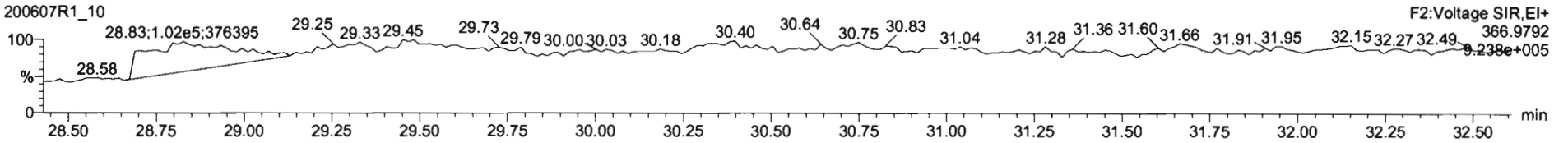
PFK1

200607R1_10



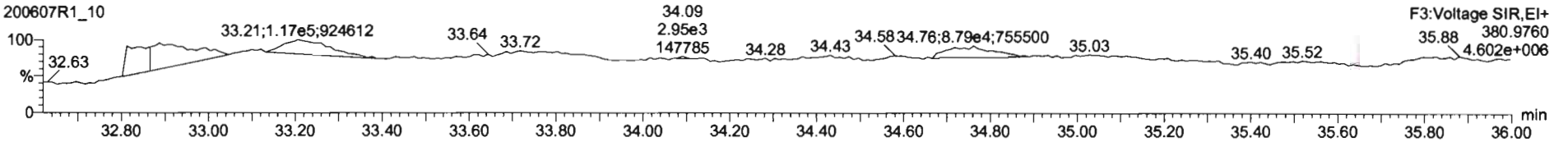
PFK2

200607R1_10



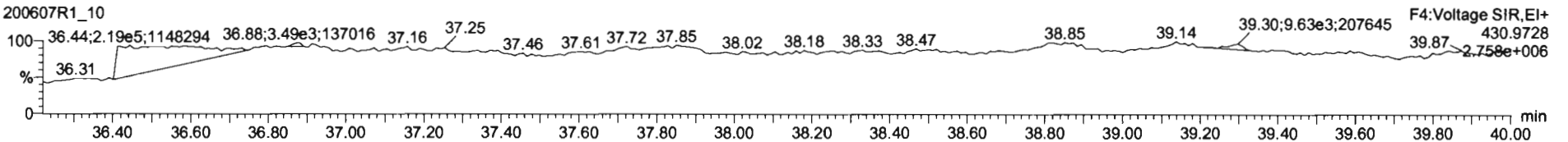
PFK3

200607R1_10



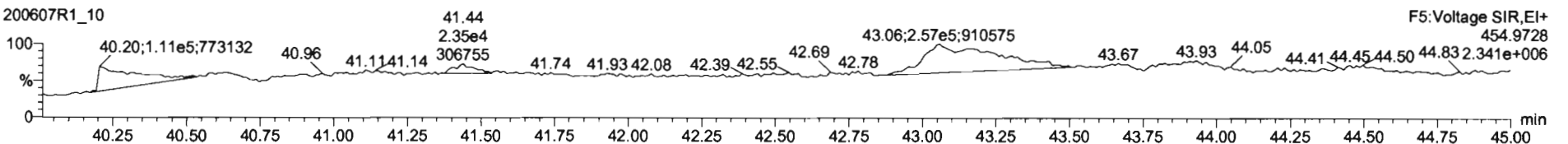
PFK4

200607R1_10



PFK5

200607R1_10



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-11.qld

Last Altered: Monday, June 08, 2020 16:02:35 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:13:46 Pacific Daylight Time

ily 06-08-2020

(4/09/09/2020)

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.072	26.486		1.001				0.0581	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.072	31.442		1.001				0.0594	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.072	34.803		1.000				0.0573	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.072	34.900		1.000				0.0575	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.072	35.199		1.000				0.0686	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.864	10.072	38.735		1.000				0.0805	
7	7 OCDD	8.71e2	0.96	NO	0.914	10.072	41.706	41.73	1.000	1.001	0.73282		0.138	0.733
8	8 2,3,7,8-TCDF			NO	0.751	10.072	25.582		1.001				0.0351	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.072	30.160		1.001				0.0322	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.072	31.161		1.001				0.0326	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.072	33.920		1.000				0.0280	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.072	34.058		1.000				0.0251	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.072	34.669		1.001				0.0280	
14	14 1,2,3,7,8,9-HxCDF	9.92e1	1.44	YES	0.871	10.072	35.550	35.56	1.000	1.000	0.049546		0.0441	0.0455
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.072	37.344		1.001				0.0363	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.072	39.277		1.000				0.0400	
17	17 OCDF			NO	0.806	10.072	41.897		1.000				0.0720	
18	18 13C-2,3,7,8-TCDD	8.30e5	0.79	NO	1.16	10.072	26.476	26.45	1.026	1.026	184.98	93.2	0.204	
19	19 13C-1,2,3,7,8-PeCDD	6.26e5	0.63	NO	0.849	10.072	31.656	31.42	1.227	1.218	189.93	95.7	0.251	
20	20 13C-1,2,3,4,7,8-HxCDD	4.01e5	1.27	NO	0.779	10.072	34.809	34.79	1.014	1.014	165.92	83.6	0.571	
21	21 13C-1,2,3,6,7,8-HxCDD	5.30e5	1.24	NO	1.02	10.072	34.922	34.90	1.017	1.017	167.85	84.5	0.437	
22	22 13C-1,2,3,7,8,9-HxCDD	4.54e5	1.23	NO	0.903	10.072	35.193	35.19	1.025	1.025	161.76	81.5	0.493	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.16e5	1.04	NO	0.689	10.072	38.715	38.72	1.128	1.128	147.79	74.4	0.553	
24	24 13C-OCDD	5.16e5	0.90	NO	0.652	10.072	41.736	41.71	1.216	1.215	254.92	64.2	0.513	
25	25 13C-2,3,7,8-TCDF	1.09e6	0.77	NO	1.06	10.072	25.519	25.56	0.989	0.991	180.71	91.0	0.316	
26	26 13C-1,2,3,7,8-PeCDF	9.20e5	1.58	NO	0.838	10.072	30.041	30.14	1.165	1.168	192.43	96.9	0.561	
27	27 13C-2,3,4,7,8-PeCDF	9.01e5	1.58	NO	0.817	10.072	30.993	31.13	1.202	1.207	193.40	97.4	0.576	
28	28 13C-1,2,3,4,7,8-HxCDF	5.36e5	0.50	NO	1.01	10.072	33.941	33.92	0.989	0.988	171.15	86.2	0.850	
29	29 13C-1,2,3,6,7,8-HxCDF	6.53e5	0.51	NO	1.17	10.072	34.064	34.05	0.992	0.992	180.01	90.7	0.734	
30	30 13C-2,3,4,6,7,8-HxCDF	5.57e5	0.50	NO	1.02	10.072	34.637	34.63	1.009	1.009	175.45	88.4	0.838	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-11.qld

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Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.55e5	0.52	NO	0.860	10.072	35.537	35.55	1.035	1.036	170.60	85.9	0.996	
32	13C-1,2,3,4,6,7,8-HpCDF	3.86e5	0.42	NO	0.774	10.072	37.284	37.31	1.086	1.087	160.39	80.8	0.726	
33	13C-1,2,3,4,7,8,9-HpCDF	2.68e5	0.42	NO	0.521	10.072	39.312	39.28	1.145	1.144	165.70	83.4	1.08	
34	13C-OCDF	6.63e5	0.87	NO	0.746	10.072	41.907	41.90	1.221	1.221	286.46	72.1	0.629	
35	37Cl-2,3,7,8-TCDD	3.15e5			1.04	10.072	26.507	26.47	1.028	1.026	78.287	98.6	0.0522	
36	13C-1,2,3,4-TCDD	7.70e5	0.79	NO	1.00	10.072	25.890	25.80	1.000	1.000	198.57	100	0.236	
37	13C-1,2,3,4-TCDF	1.13e6	0.78	NO	1.00	10.072	24.360	24.10	1.000	1.000	198.57	100	0.334	
38	13C-1,2,3,4,6,9-HxCDF	6.17e5	0.50	NO	1.00	10.072	34.420	34.33	1.000	1.000	198.57	100	0.856	
39	Total Tetra-Dioxins				0.888	10.072	24.620		0.000		0.00000		0.0367	0.0894
40	Total Penta-Dioxins				0.908	10.072	29.960		0.000				0.0263	
41	Total Hexa-Dioxins				0.892	10.072	33.635		0.000		0.00000		0.0367	0.113
42	Total Hepta-Dioxins				0.864	10.072	37.640		0.000				0.0441	
43	Total Tetra-Furans				0.751	10.072	23.610		0.000				0.0163	
44	1st Func. Penta-Furans				0.893	10.072	27.580		0.000				0.00692	
45	Total Penta-Furans				0.893	10.072	29.275		0.000				0.0146	
46	Total Hexa-Furans				0.934	10.072	33.555		0.000		0.00000		0.0181	0.0455
47	Total Hepta-Furans				0.873	10.072	37.835		0.000				0.0203	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-11.qld

Last Altered: Monday, June 08, 2020 16:02:35 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:13:46 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	24.30	2.033e3	2.304e3	1.443e2	2.262e2	0.64	YES	0.000e0	0.00000	0.089362	0.0581

Penta-Dioxins

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

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.31	4.068e3	2.043e3	1.706e2	1.049e2	1.63	YES	0.000e0	0.00000	0.11327	0.0367

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-11.qld

Last Altered: Monday, June 08, 2020 16:02:35 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:13:46 Pacific Daylight Time

Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

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	1,2,3,7,8,9-HxCDF	35.56	2.234e3	8.050e2	5.859e1	4.057e1	1.44	YES	9.916e1	0.00000	0.045496	0.0441

Hepta-Furans

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

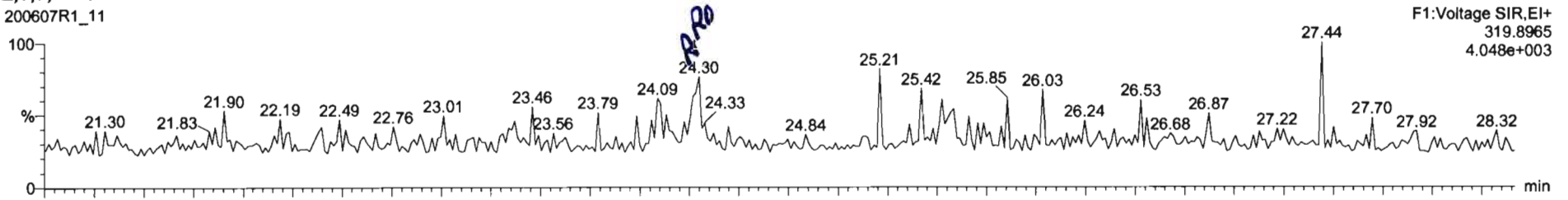
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

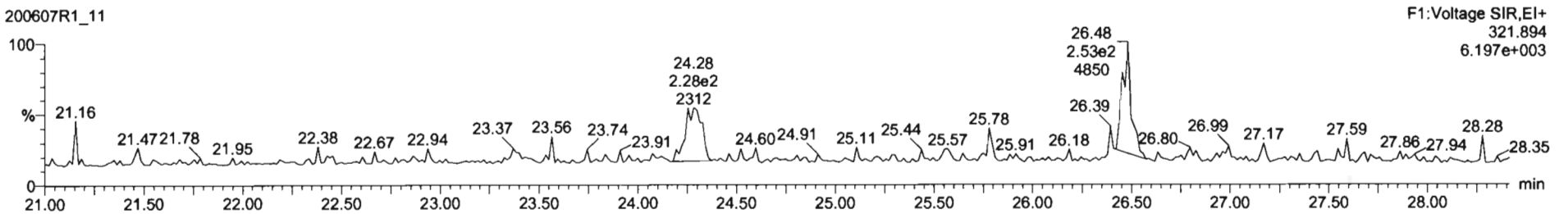
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2,3,7,8-TCDD

200607R1_11

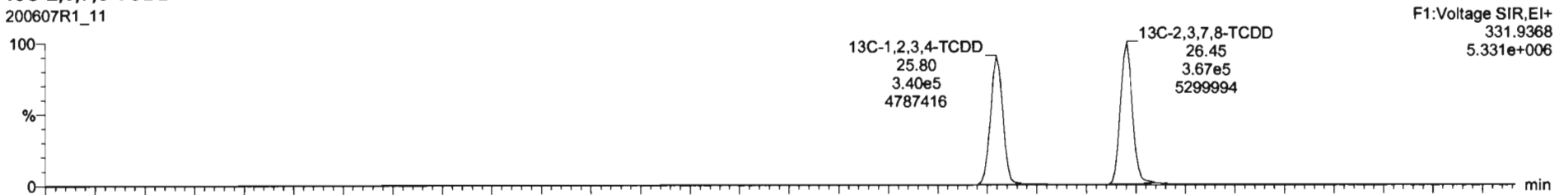


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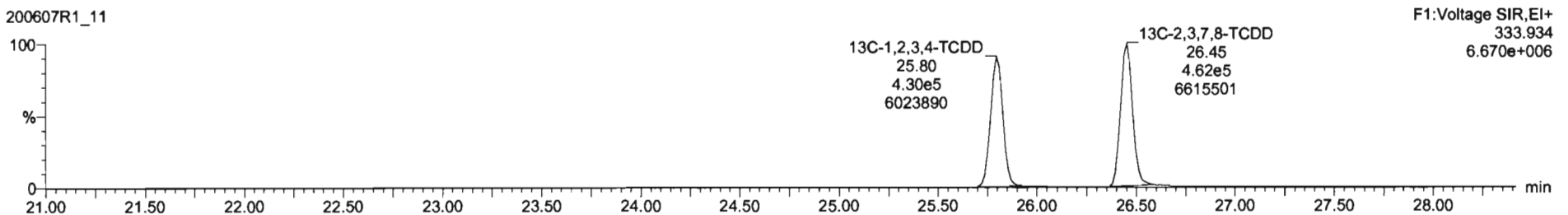


13C-2,3,7,8-TCDD

200607R1_11

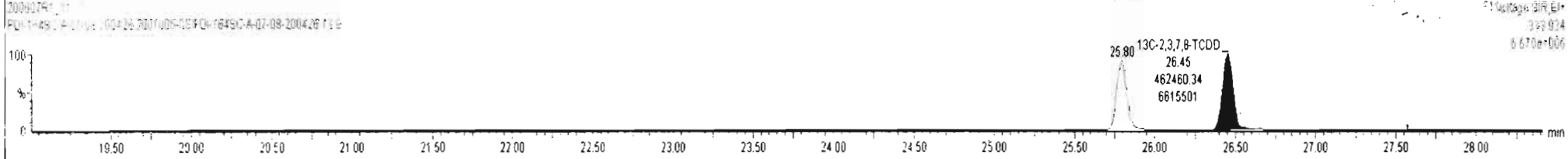
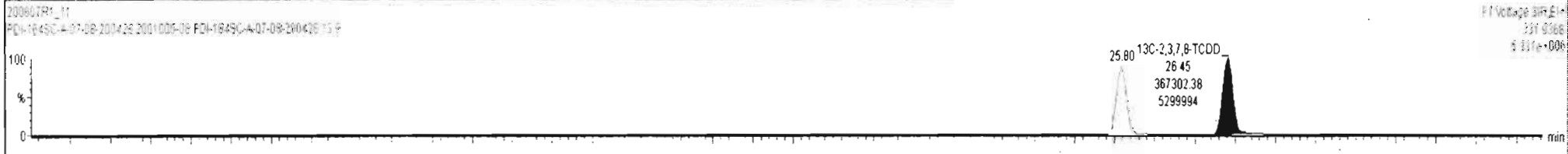
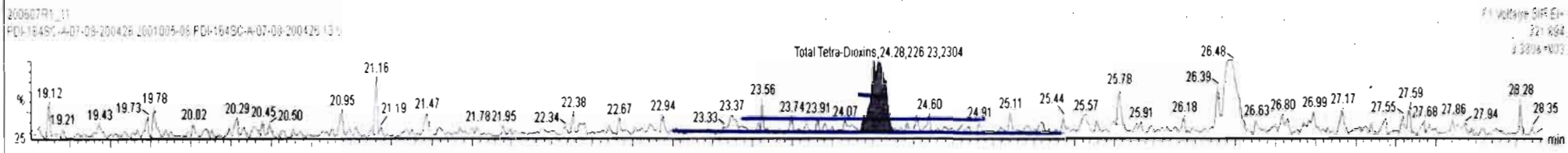
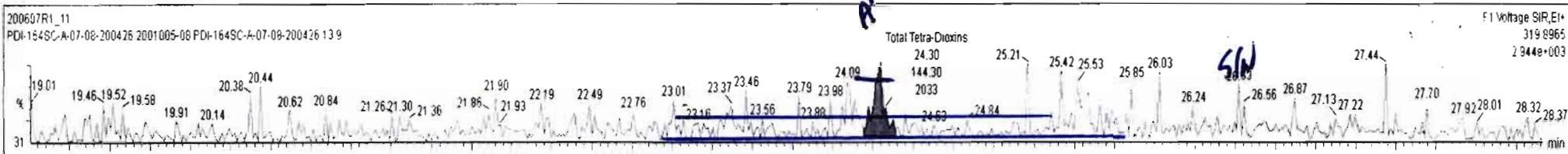


200607R1_11



Name	Resp	RA	n/y	RRF	wtAvol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.072			0.000		0.0367	0.0894
40 Total Penta-Dioxins				0.9081	10.072					0.0263	
41 Total Hexa-Dioxins				0.8923	10.072					0.0367	
42 Total Hepta-Dioxins				0.8639	10.072					0.0439	
43 Total Tetra-Furans				0.7510	10.072					0.0163	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	24.30	1.443e2	2.262e2	0.64	YES	0.089362	0.00000



Dataset: Untitled

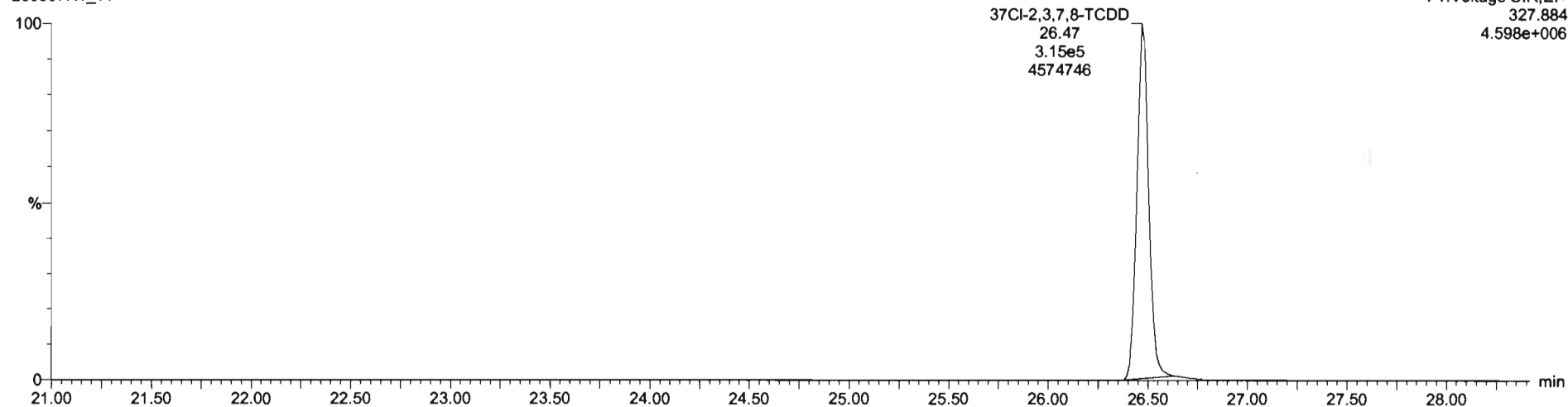
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

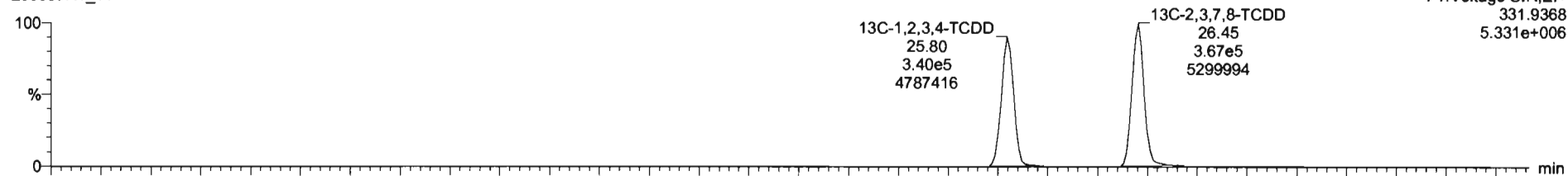
37Cl-2,3,7,8-TCDD

200607R1_11

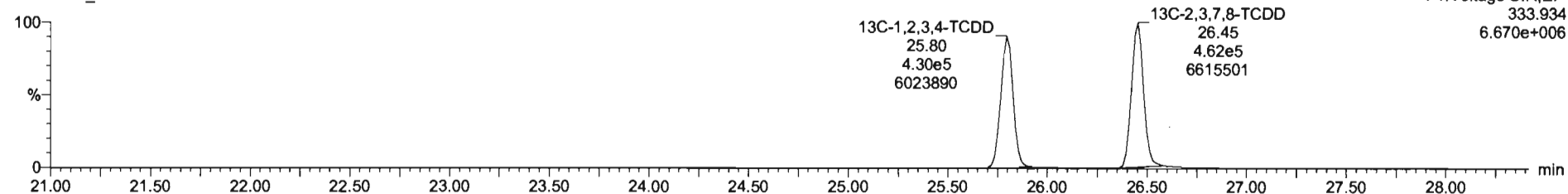


13C-1,2,3,4-TCDD

200607R1_11



200607R1_11



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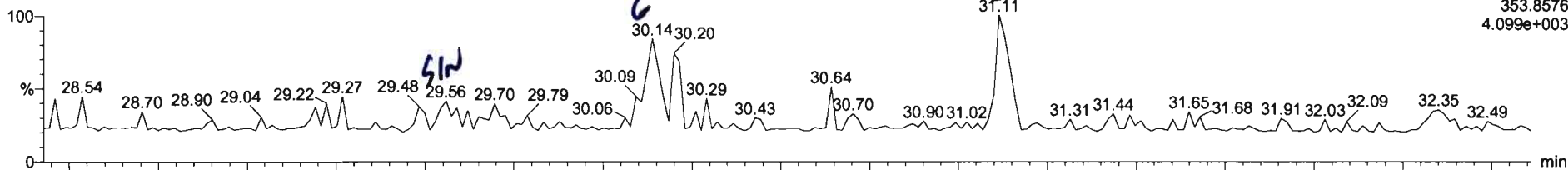
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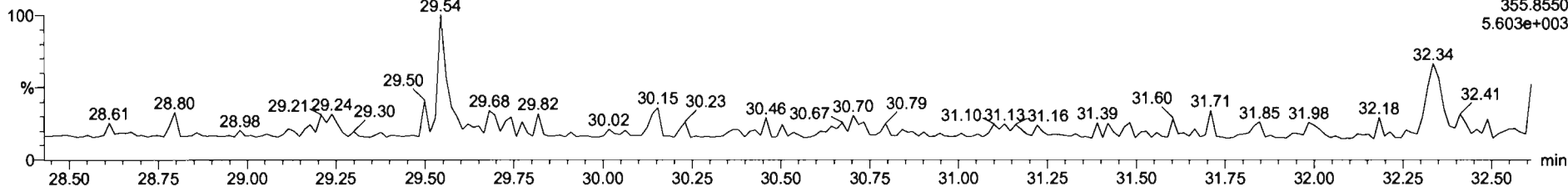
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1,2,3,7,8-PeCDD

200607R1_11

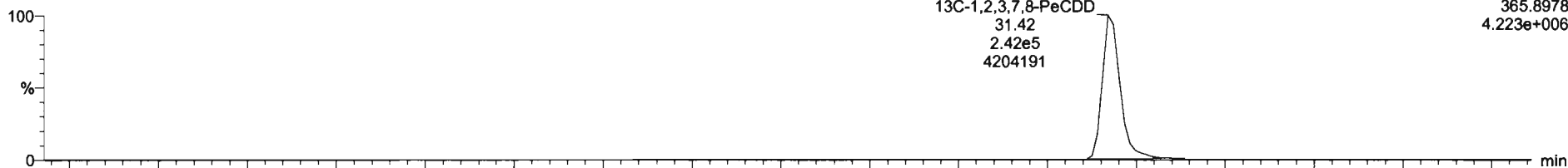


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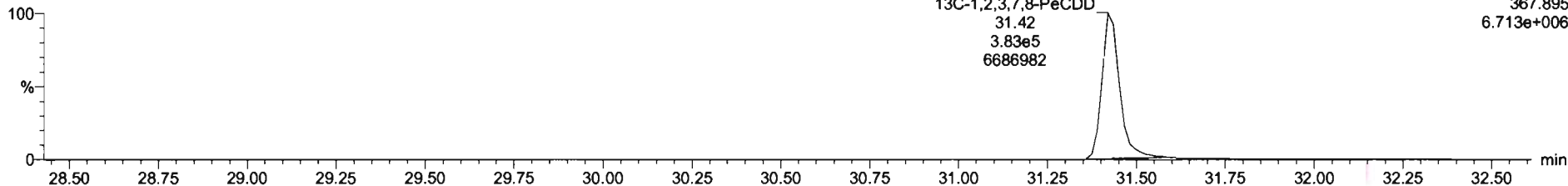


13C-1,2,3,7,8-PeCDD

200607R1_11



200607R1_11



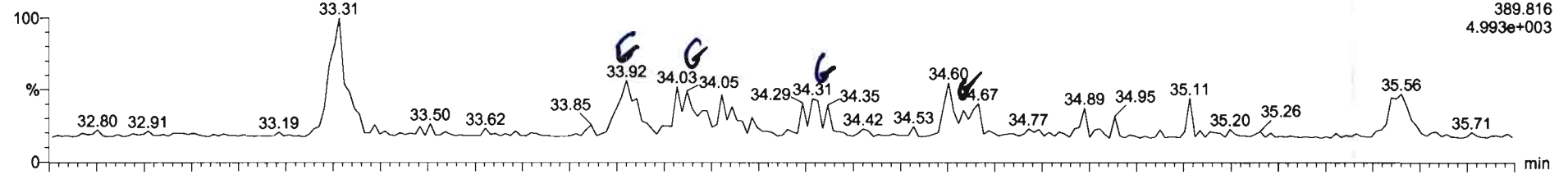
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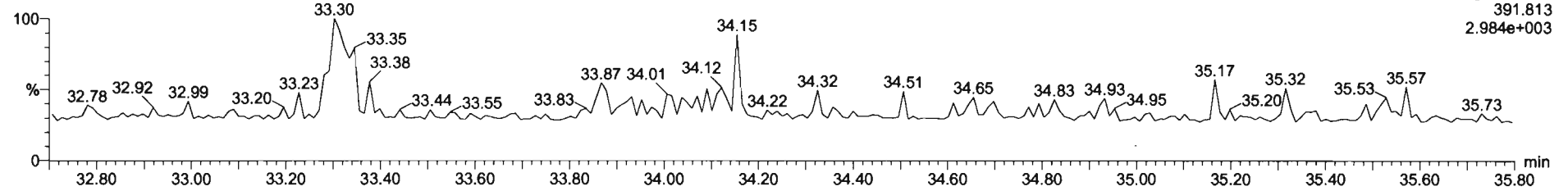
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1,2,3,4,7,8-HxCDD

200607R1_11

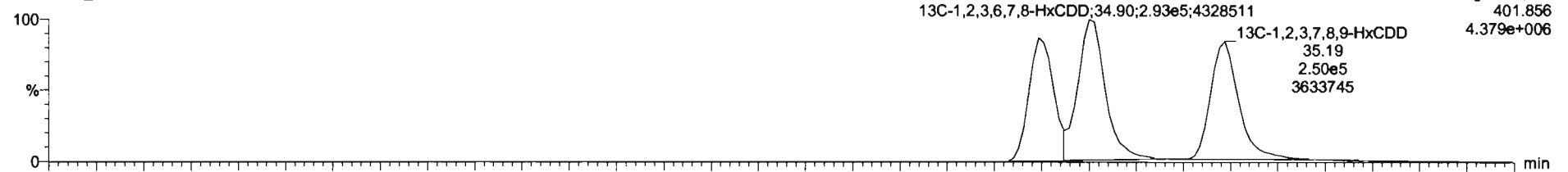


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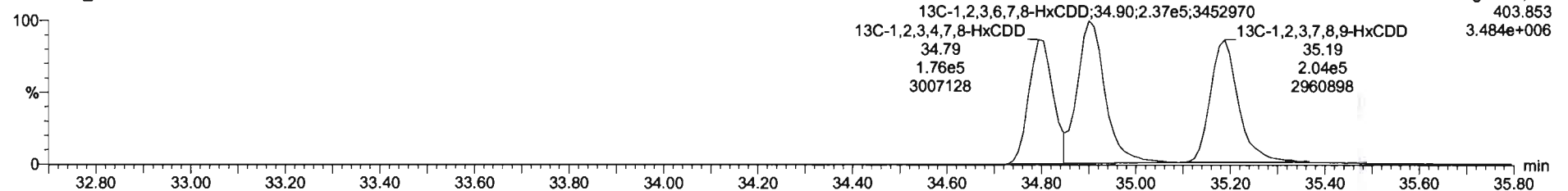


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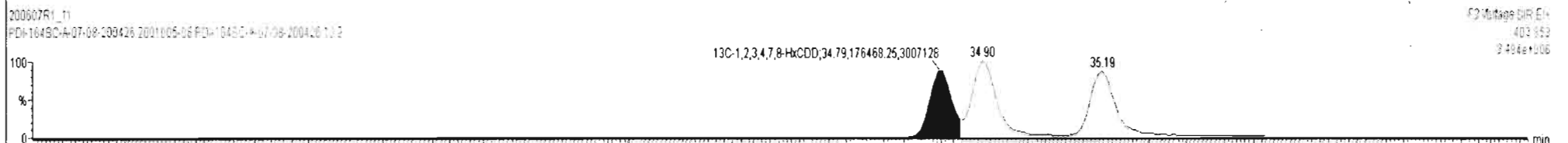
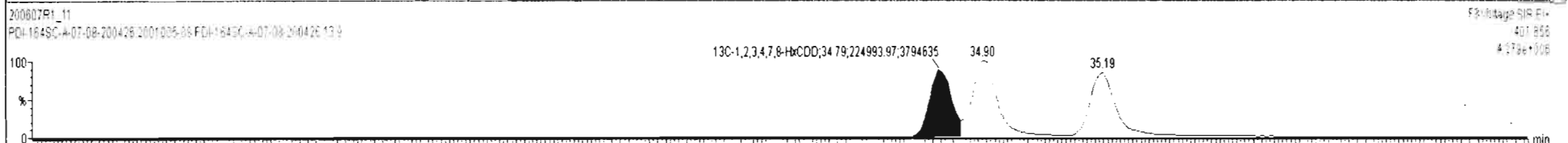
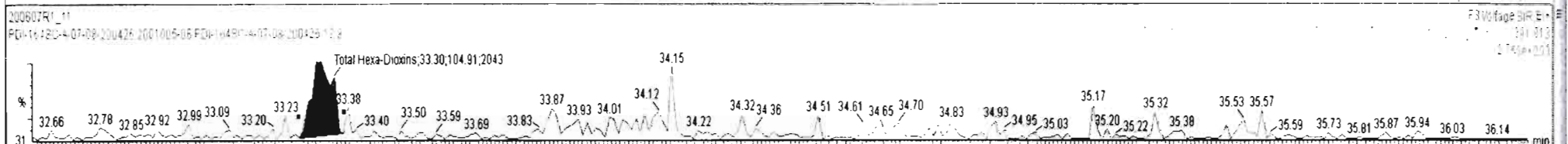
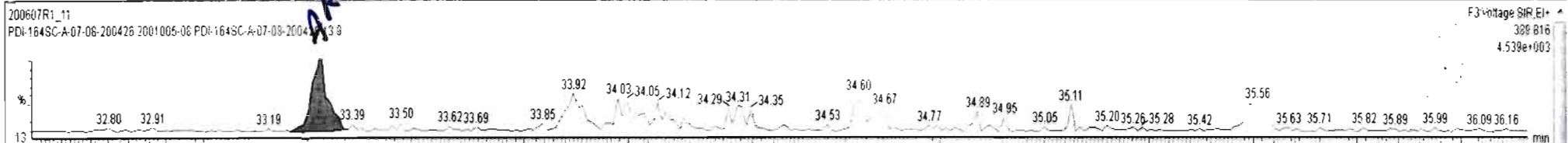


200607R1_11



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.072			0.000		0.0367	0.0894
40 Total Penta-Dioxins				0.9081	10.072					0.0263	
41 Total Hexa-Dioxins				0.8923	10.072			0.000		0.0367	0.113
42 Total Hepta-Dioxins				0.8639	10.072					0.0439	
43 Total Tetra-Furans				0.7510	10.072					0.0163	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	1.706e2	1.049e2	1.63	YES	0.11327	0.00000



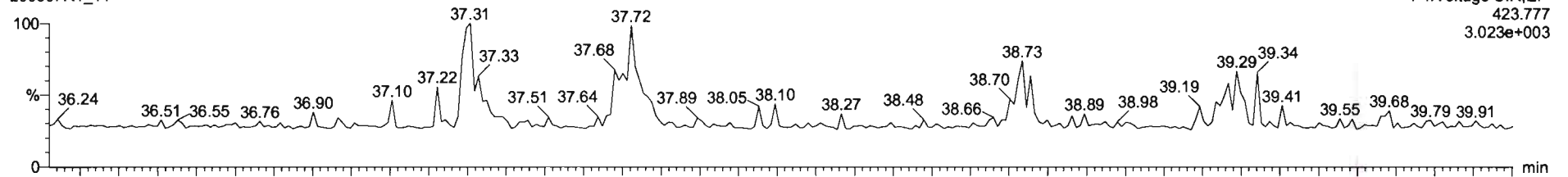
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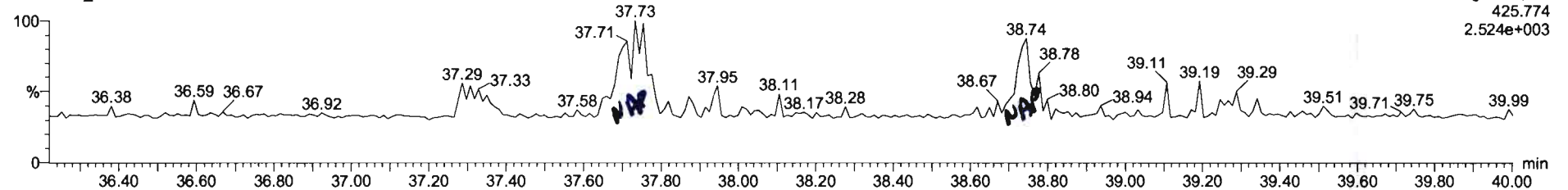
Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

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

200607R1_11

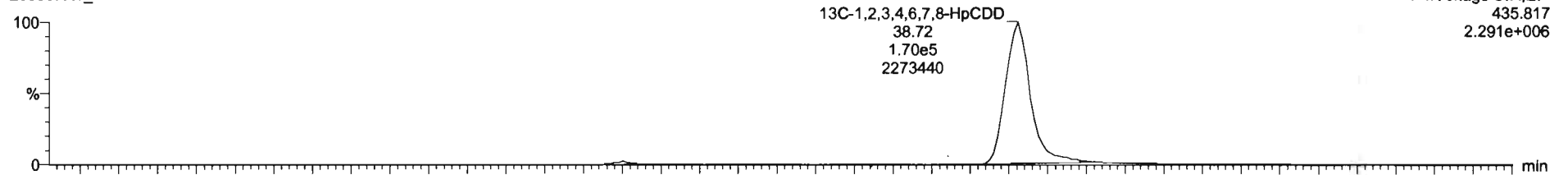


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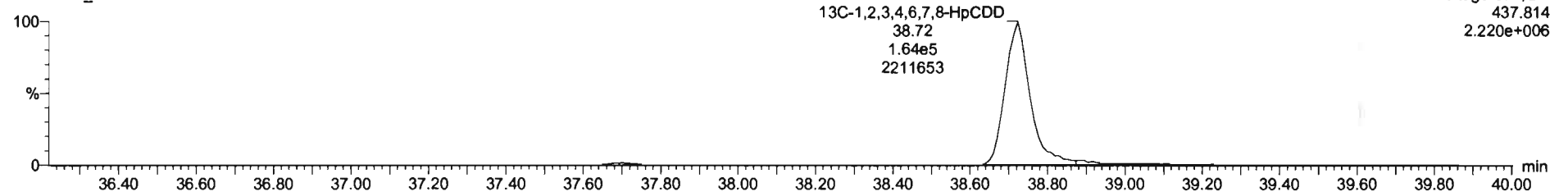


13C-1,2,3,4,6,7,8-HpCDD

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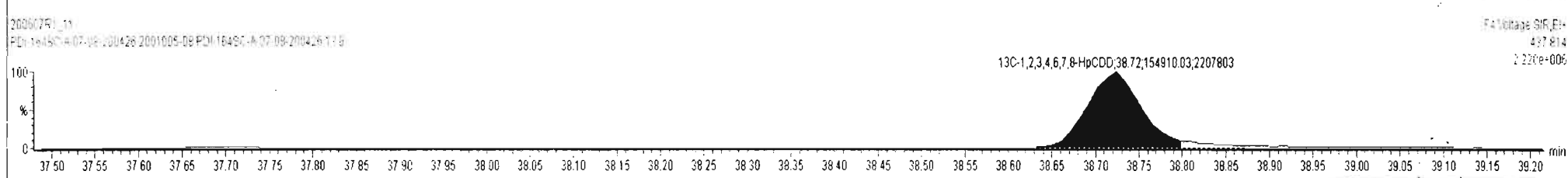
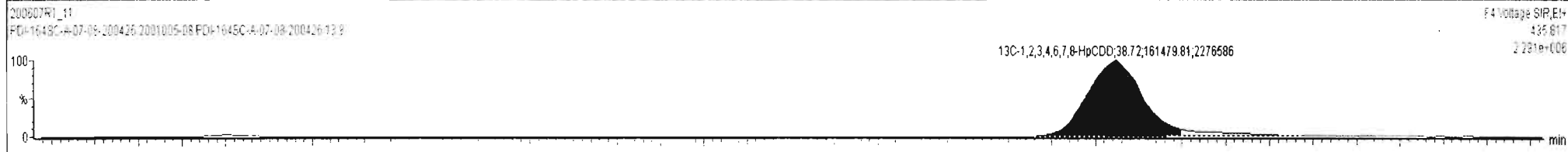
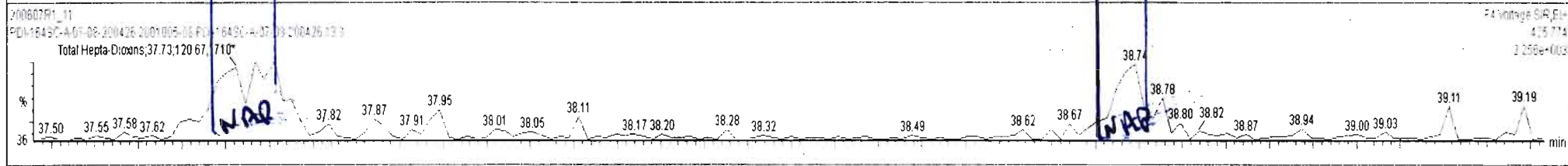
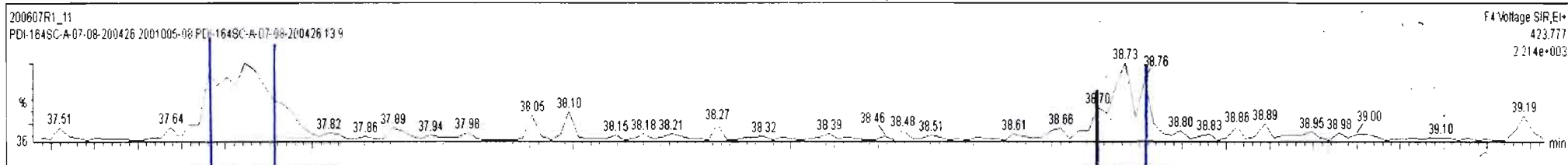


200607R1_11



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.072			0.000		0.0367	0.0894
40 Total Penta-Dioxins				0.9081	10.072					0.0263	
41 Total Hexa-Dioxins				0.8923	10.072			0.000		0.0367	0.113
42 Total Hepta-Dioxins				0.8639	10.072			0.168		0.0441	0.168
43 Total Tetra-Furans				0.7510	10.072					0.0163	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hepta-Dioxins	37.72	1.111e2	1.207e2	0.92	NO	0.16841	0.16841

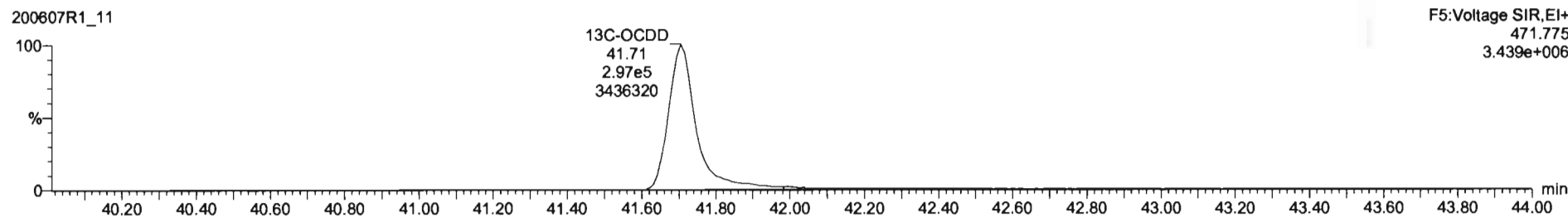
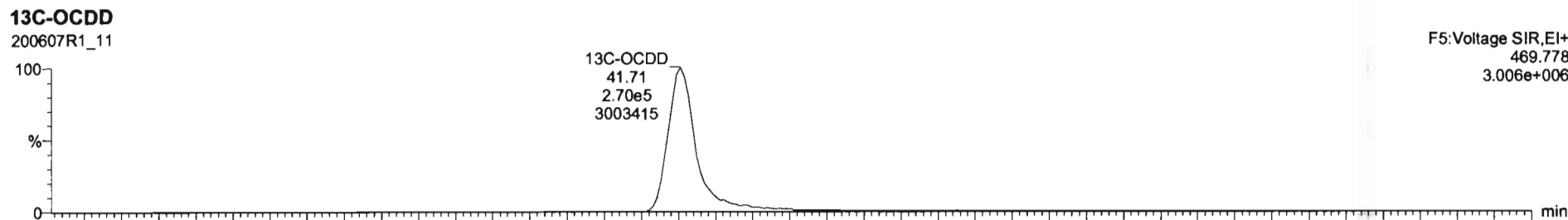
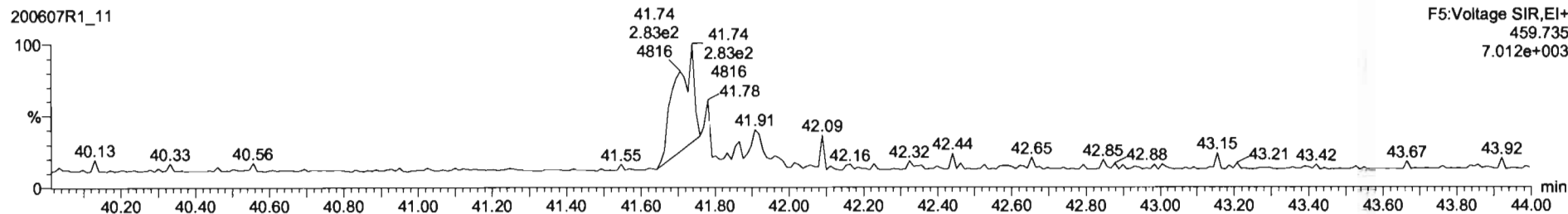
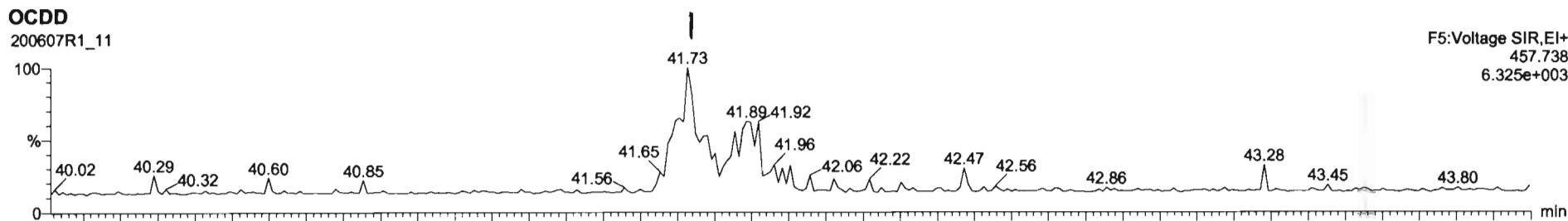


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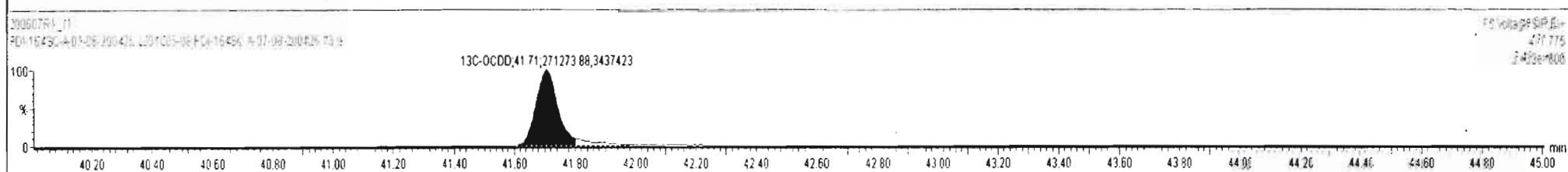
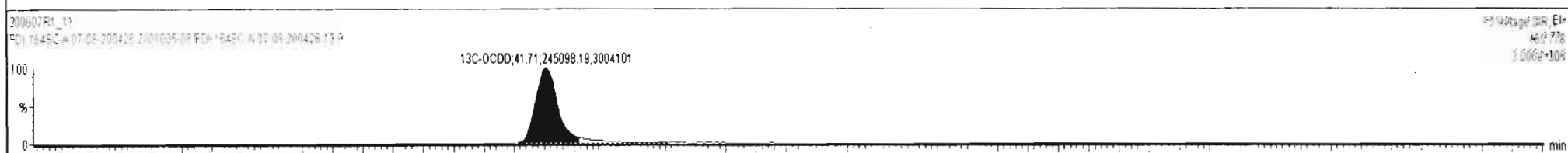
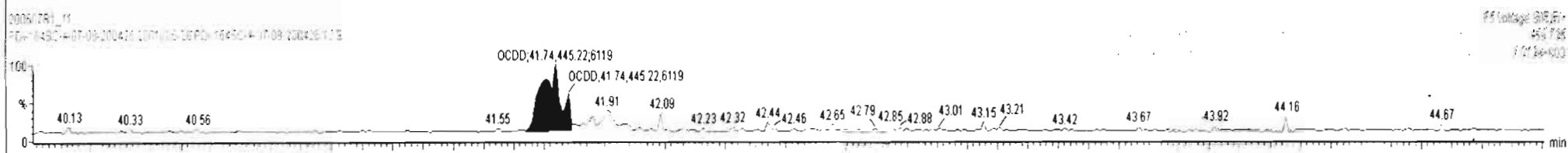
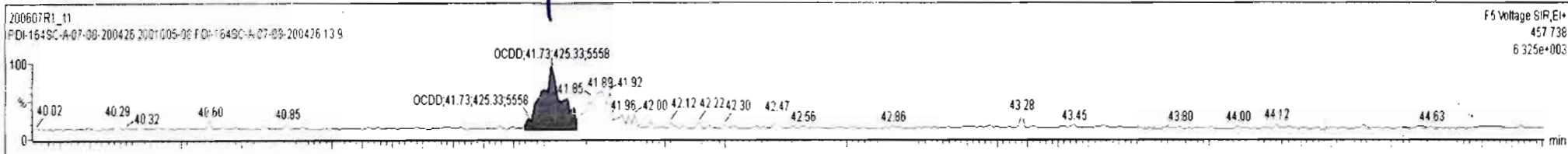
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Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426



Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	8.71e2	0.96	NO	0.9136	10.072	41.73	1.001	0.733	0.138	0.733
8	2,3,7,8-TCDF			NO	0.7510	10.072				0.0351	
9	1,2,3,7,8-PeCDF			NO	0.8925	10.072				0.0322	
10	2,3,4,7,8-PeCDF			NO	0.9348	10.072				0.0326	
11	1,2,3,4,7,8-HxCDF			NO	0.8845	10.072				0.0280	

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



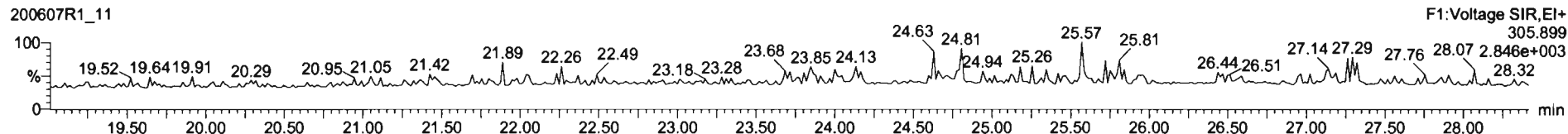
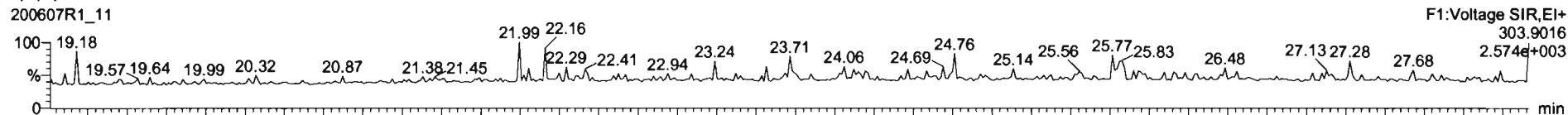
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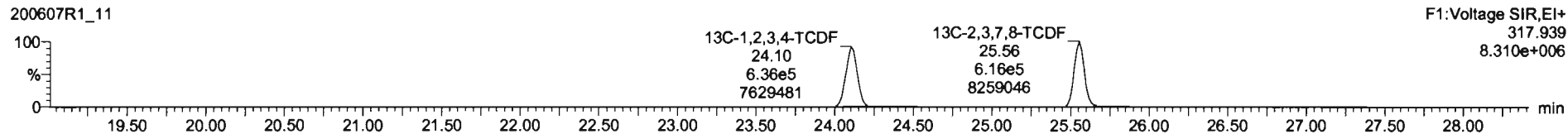
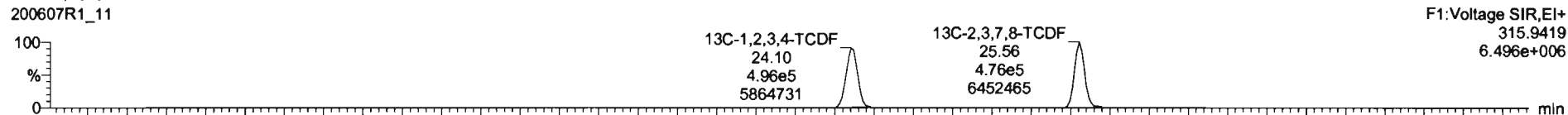
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Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

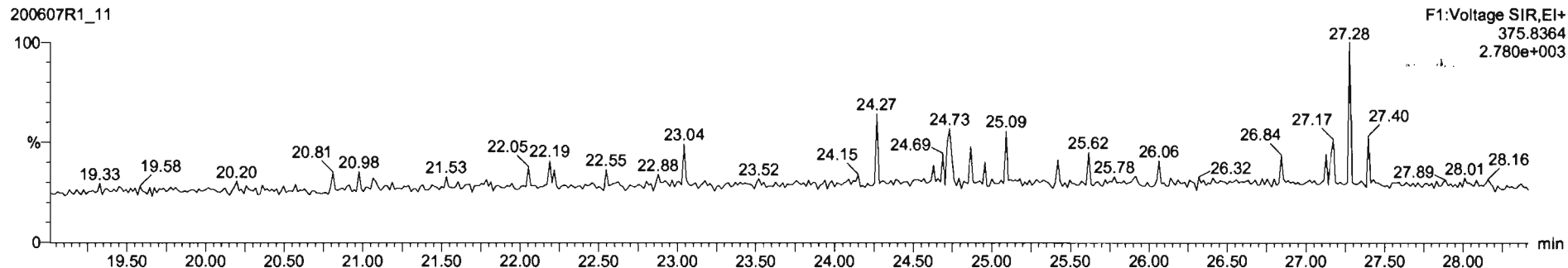
2,3,7,8-TCDF



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



DPE1



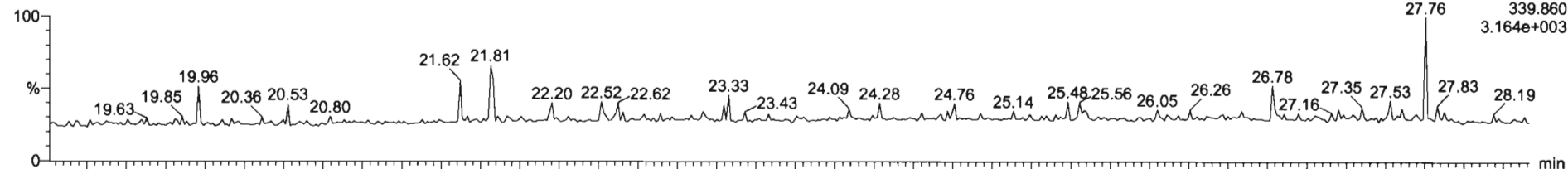
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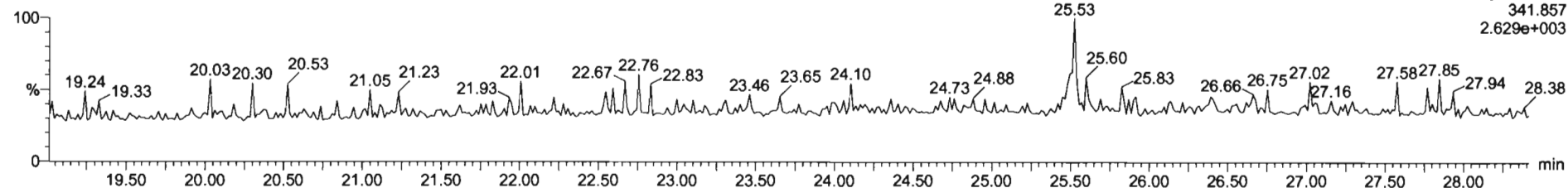
Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

1st Func. Penta-Furans

200607R1_11

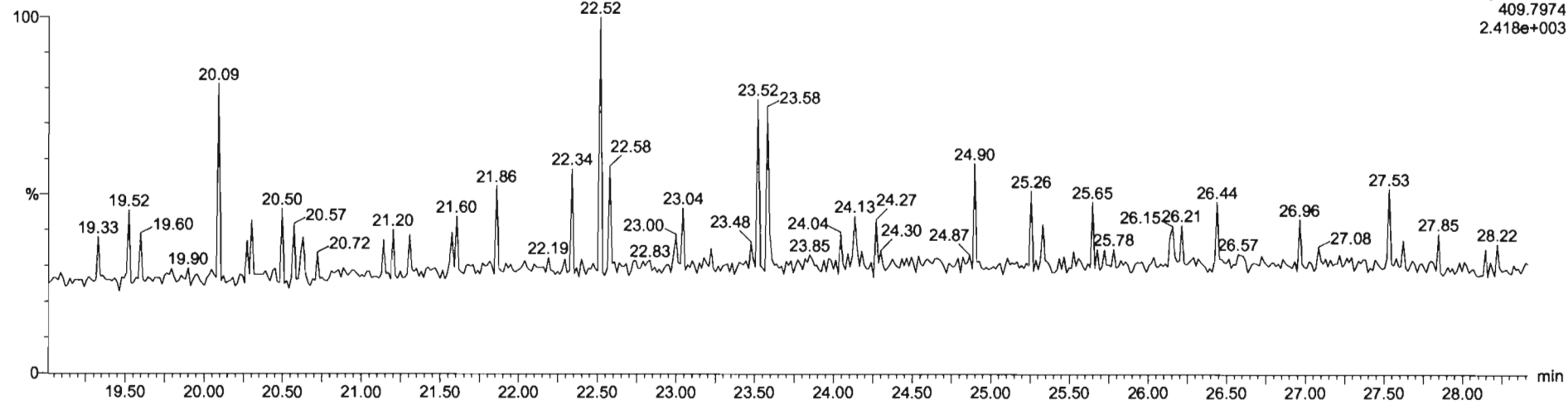


200607R1_11



DPE6

200607R1_11

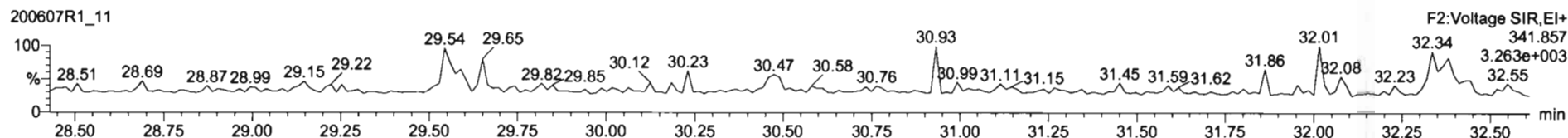
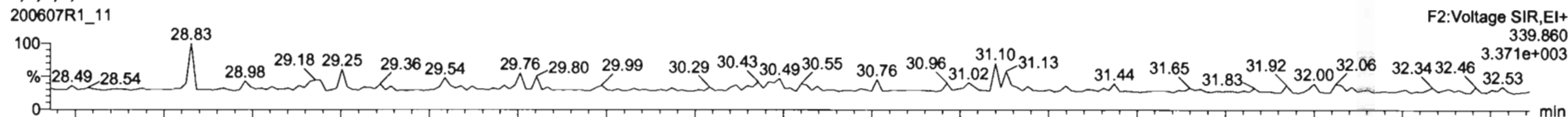


Dataset: Untitled

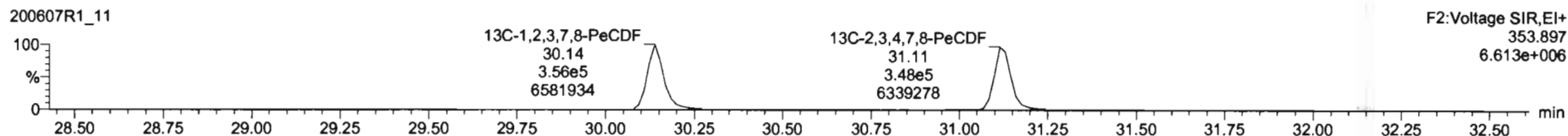
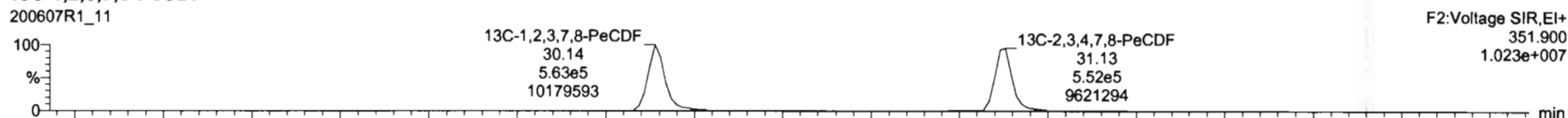
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

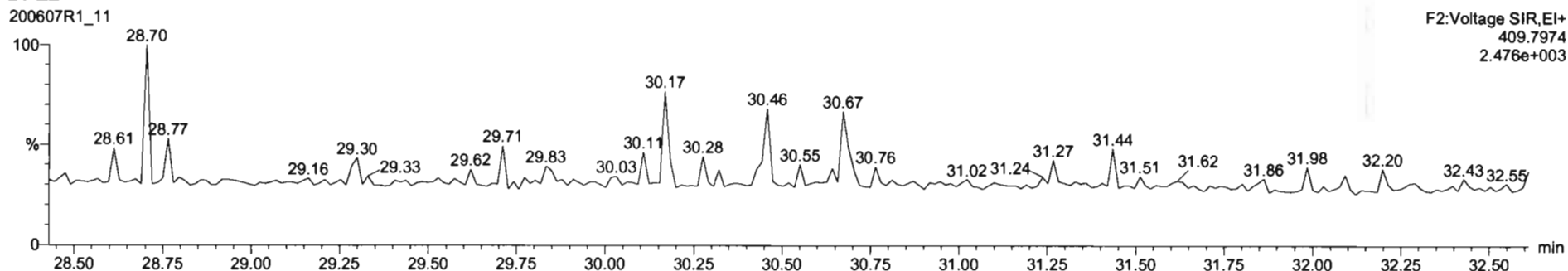
1,2,3,7,8-PeCDF



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



DPE2

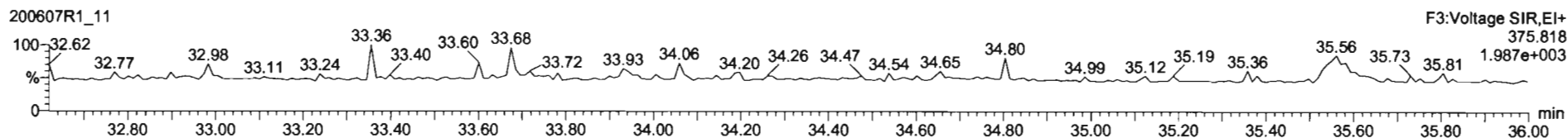
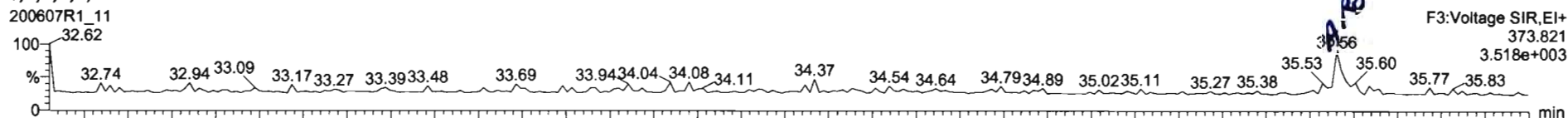


Dataset: Untitled

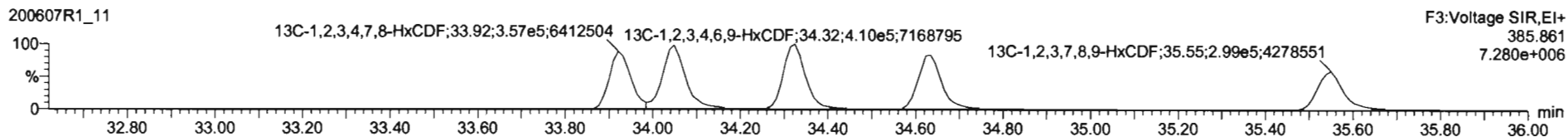
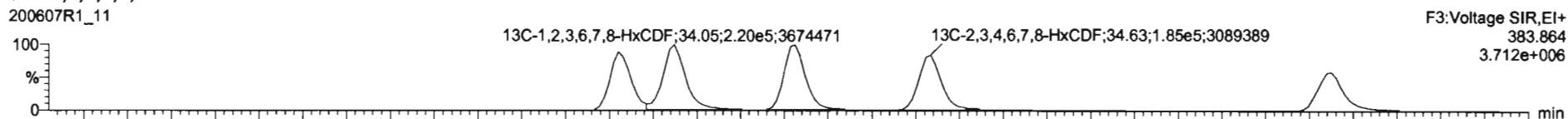
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

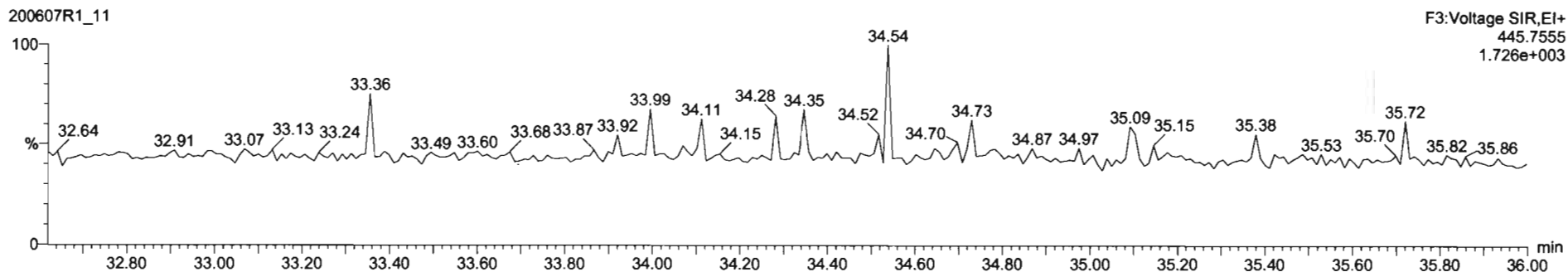
1,2,3,4,7,8-HxCDF



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

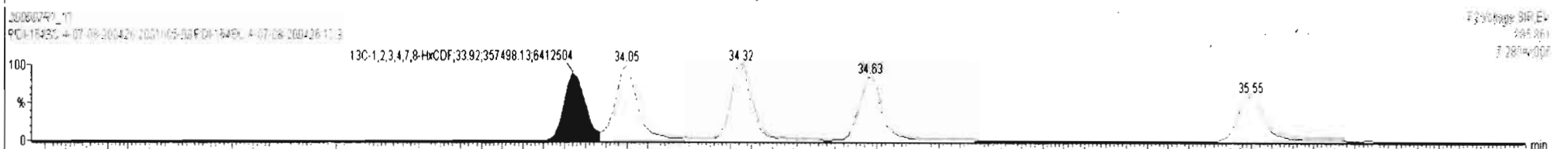
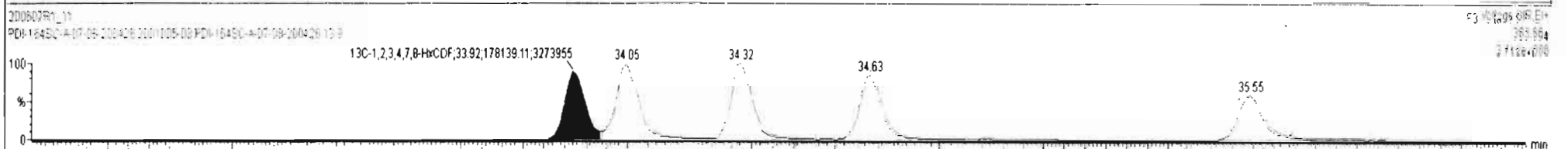
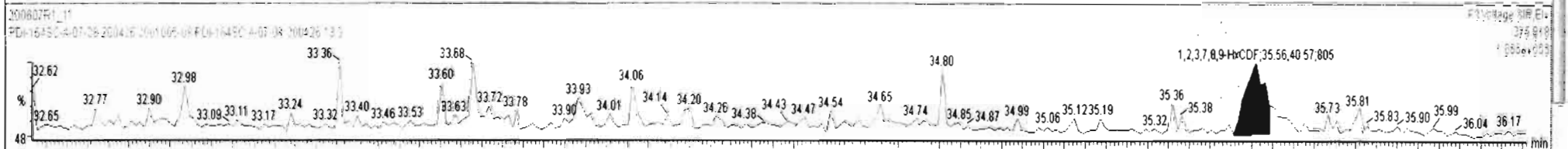
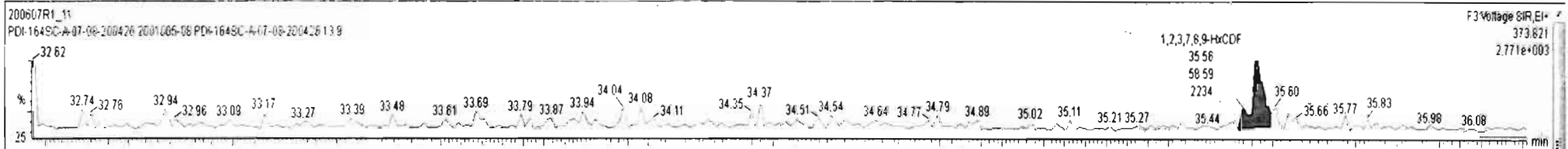


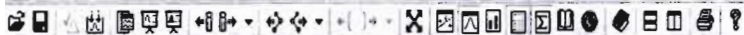
DPE3



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.072			0.000		0.0181	0.0455
47 Total Hepta-Furans				0.8734	10.072					0.0203	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8,9-HxCDF	35.56	5.859e1	4.057e1	1.44	YES	0.045496	0.00000

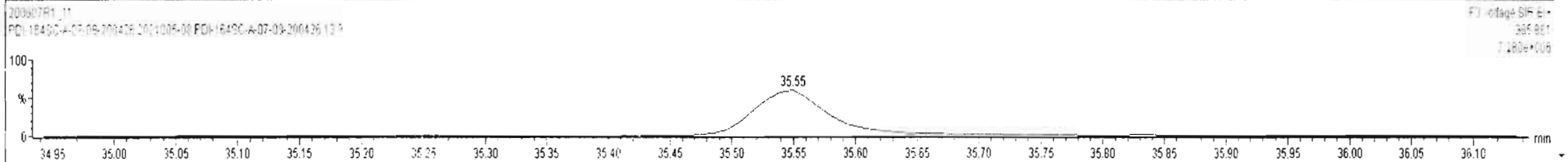
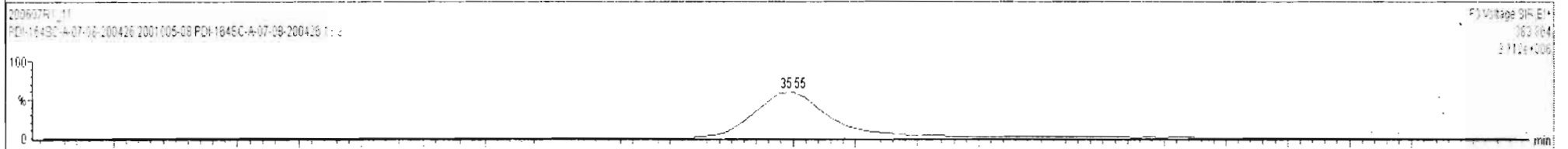
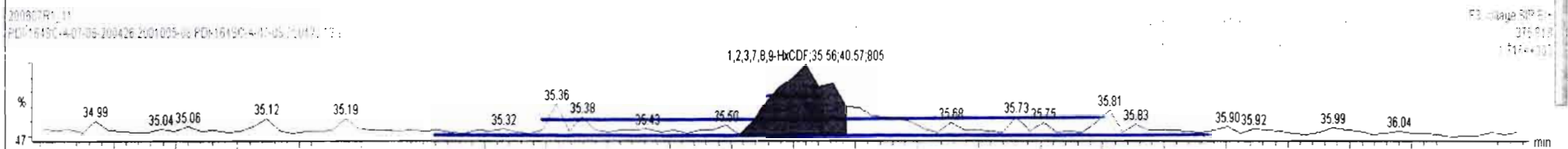
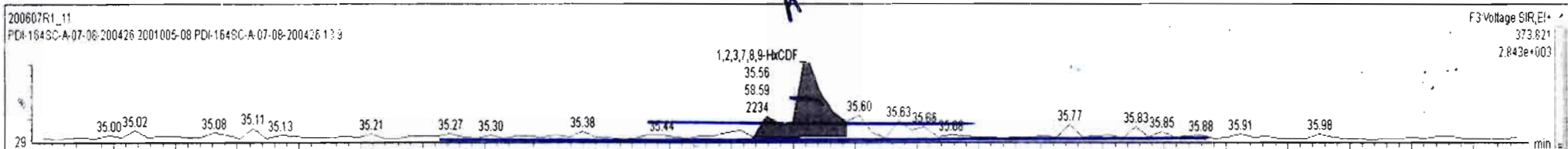




200607R1_11 - 2001005-08 PDI-1645C-A-07-08-200426 13.9 - PDI-1645C-A-07-08-200426

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
46 Total Hexa-Furans				0.8341	10.072			0.000		0.0161	0.0455
47 Total Hepta-Furans				0.8734	10.072					0.0203	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8,9-HxCDF	35.56	5.859e1	4.057e1	1.44	YES	0.045496	0.00000



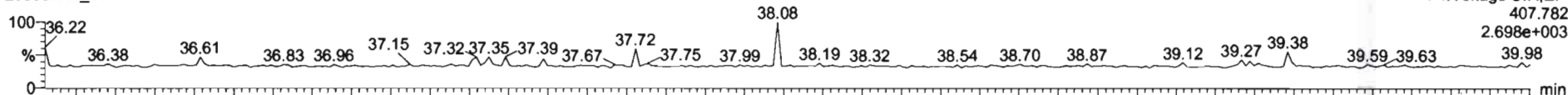
Dataset: Untitled

Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

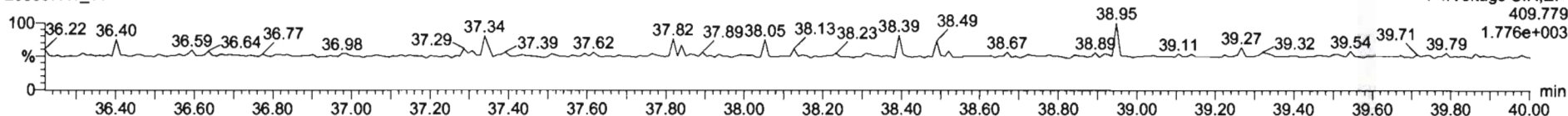
Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

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

200607R1_11



200607R1_11

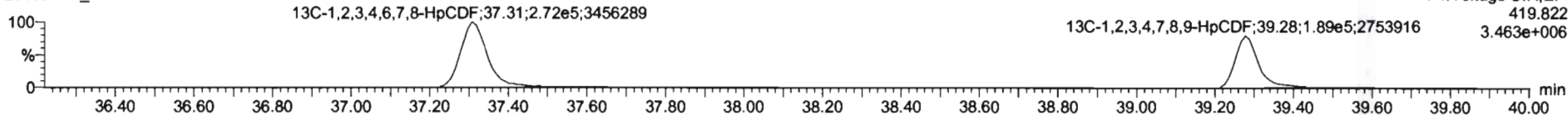


13C-1,2,3,4,6,7,8-HpCDF

200607R1_11

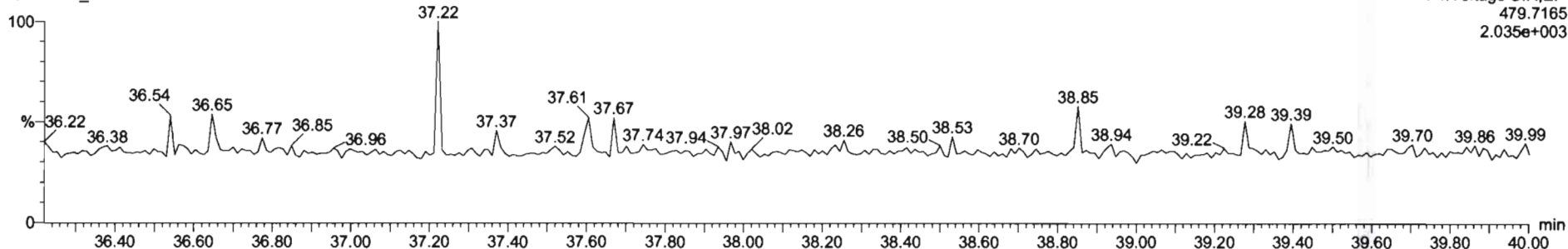


200607R1_11



DPE4

200607R1_11



Dataset: Untitled

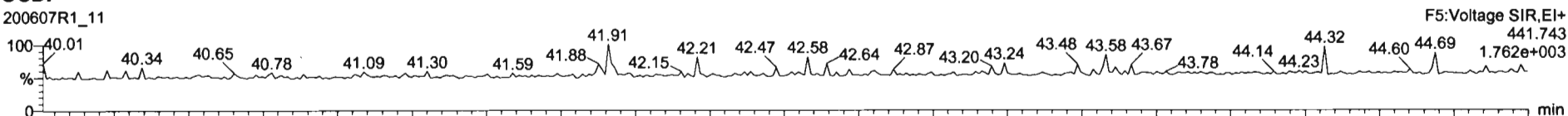
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

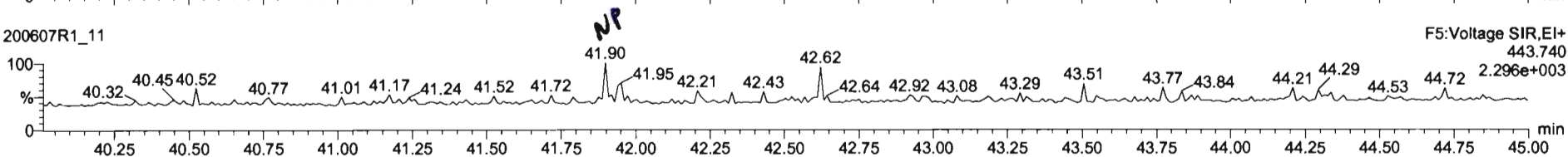
Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

OCDF

200607R1_11

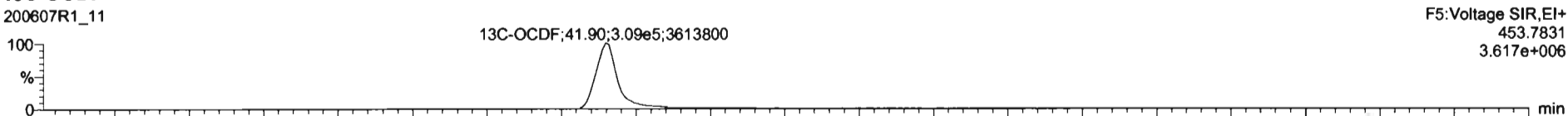


200607R1_11

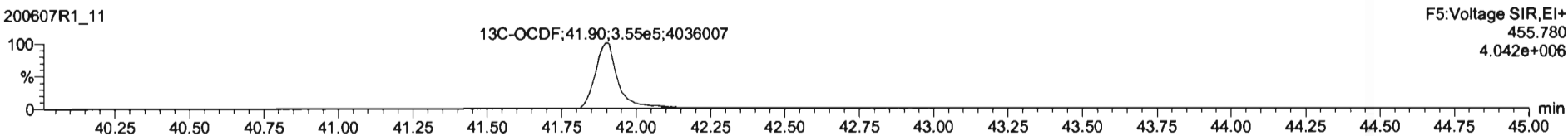


13C-OCDF

200607R1_11

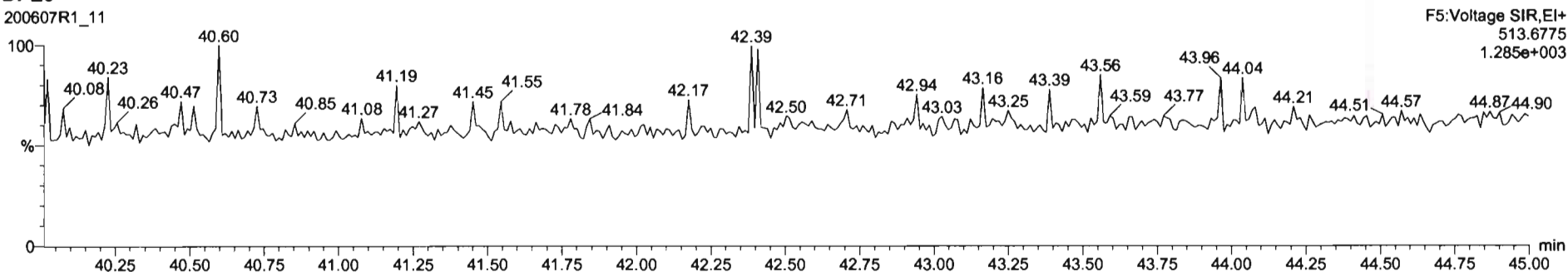


200607R1_11



DPE5

200607R1_11



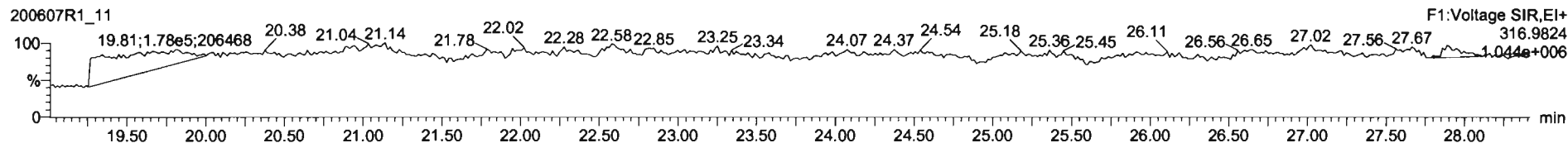
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

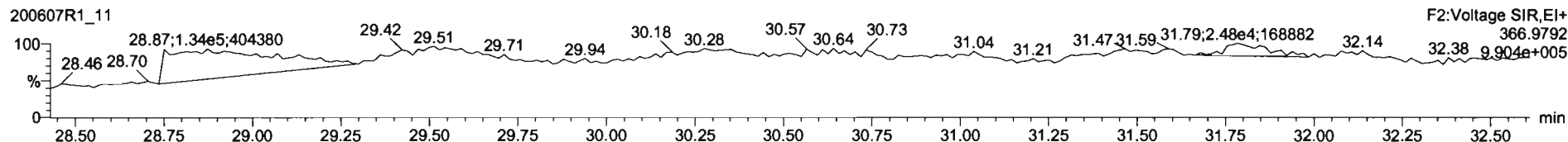
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_11, Date: 07-Jun-2020, Time: 16:25:14, ID: 2001005-08 PDI-164SC-A-07-08-200426 13.9, Description: PDI-164SC-A-07-08-200426

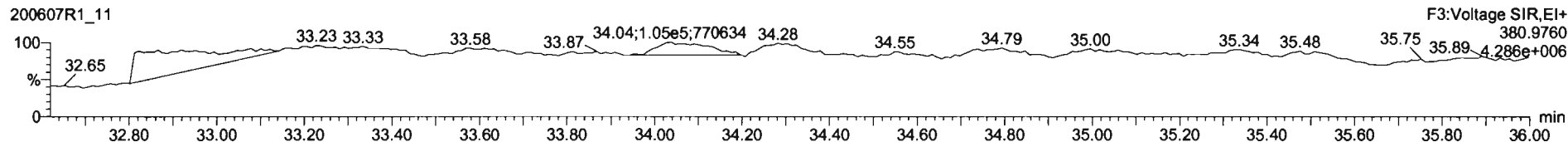
PFK1



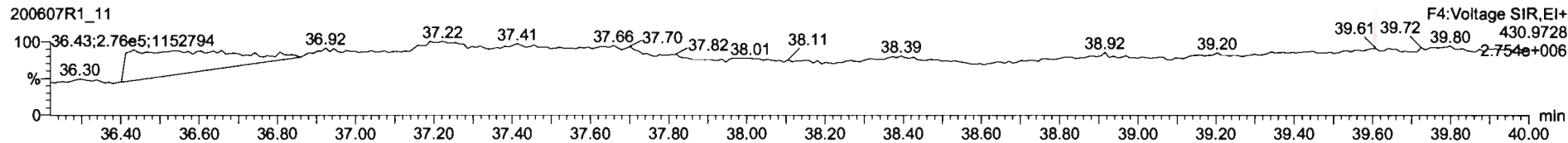
PFK2



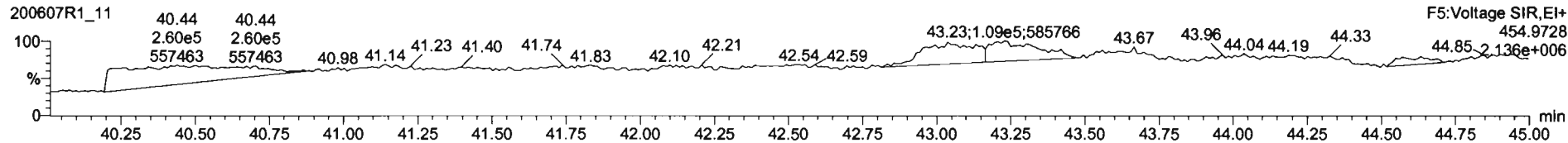
PFK3



PFK4



PFK5



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200519R1-1

Reviewed By: C7 05/19/2020
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>GPB</u>	_____
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> V
- Samples within 12 hour clock?	<u>(Y)</u>	N
- Bottle position verified?	<u>GPB</u>	_____

Mass resolution \geq
 5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly? NA

GC Break <20% NA

8280 CS1 End Standard:

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

Comments:

Dataset: U:\VG12.PRO\Results\200519R1\200519R1-1.qld

Last Altered: Tuesday, May 19, 2020 09:32:26 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:32:45 Pacific Daylight Time

GEB 05/19/2020

C7 05/19/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	2,3,7,8-TCDD	1.26e5	1.45e6	0.77	NO	0.947	26.08	26.08	NO	1.001	1.001	9.1633	91.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.61	NO	0.942	31.15	31.14	NO	1.001	1.000	46.447	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.25	NO	1.06	34.51	34.52	NO	1.000	1.001	51.034	102	NO
4	1,2,3,6,7,8-HxCDD	4.55e5	1.07e6	1.28	NO	0.915	34.60	34.62	NO	1.000	1.001	46.710	93.4	NO
5	1,2,3,7,8,9-HxCDD	3.91e5	8.84e5	1.26	NO	0.915	34.89	34.89	NO	1.000	1.000	48.287	96.6	NO
6	1,2,3,4,6,7,8-HpCDD	3.19e5	7.22e5	1.02	NO	0.898	38.39	38.39	NO	1.000	1.000	49.136	98.3	NO
7	OCDD	6.48e5	1.38e6	0.88	NO	0.933	41.36	41.38	NO	1.000	1.000	100.35	100	NO
8	2,3,7,8-TCDF	1.42e5	1.85e6	0.75	NO	0.787	25.15	25.14	NO	1.001	1.001	9.7754	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.59e6	1.56	NO	0.910	29.83	29.83	NO	1.001	1.001	49.094	98.2	NO
10	2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.53	NO	0.966	30.85	30.83	NO	1.001	1.000	48.037	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.92e5	1.03e6	1.22	NO	0.878	33.64	33.65	NO	1.000	1.000	54.146	108	NO
12	1,2,3,6,7,8-HxCDF	5.67e5	1.24e6	1.21	NO	0.874	33.77	33.77	NO	1.000	1.000	52.307	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.20	NO	0.922	34.37	34.35	NO	1.001	1.000	52.919	106	NO
14	1,2,3,7,8,9-HxCDF	4.19e5	9.10e5	1.23	NO	0.864	35.23	35.24	NO	1.000	1.000	53.280	107	NO
15	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.01	NO	0.871	37.00	36.98	NO	1.001	1.000	53.861	108	NO
16	1,2,3,4,7,8,9-HpCDF	3.08e5	5.58e5	1.01	NO	1.01	38.97	38.99	NO	1.000	1.001	54.591	109	NO
17	OCDF	6.81e5	1.63e6	0.88	NO	0.802	41.55	41.56	NO	1.000	1.000	104.23	104	NO
18	13C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	NO	1.16	26.05	26.05	NO	1.026	1.027	101.03	101	NO
19	13C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	NO	0.847	31.14	31.12	NO	1.227	1.227	105.75	106	NO
20	13C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.28	NO	0.750	34.51	34.49	NO	1.014	1.014	92.952	93.0	NO
21	13C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.28	NO	0.963	34.62	34.60	NO	1.017	1.017	101.34	101	NO
22	13C-1,2,3,7,8,9-HxCDD	8.84e5	1.09e6	1.26	NO	0.838	34.89	34.88	NO	1.025	1.025	96.673	96.7	NO
23	13C-1,2,3,4,6,7,8-HpCDD	7.22e5	1.09e6	1.03	NO	0.641	38.38	38.38	NO	1.128	1.128	103.08	103	NO
24	13C-OCDD	1.38e6	1.09e6	0.90	NO	0.586	41.37	41.36	NO	1.216	1.216	215.96	108	NO
25	13C-2,3,7,8-TCDF	1.85e6	1.73e6	0.77	NO	1.03	25.10	25.12	NO	0.989	0.990	103.47	103	NO
26	13C-1,2,3,7,8-PeCDF	1.59e6	1.73e6	1.58	NO	0.845	29.83	29.81	NO	1.176	1.175	108.91	109	NO
27	13C-2,3,4,7,8-PeCDF	1.54e6	1.73e6	1.60	NO	0.814	30.82	30.82	NO	1.215	1.215	109.78	110	NO
28	13C-1,2,3,4,7,8-HxCDF	1.03e6	1.09e6	0.52	NO	1.00	33.65	33.64	NO	0.989	0.989	94.201	94.2	NO
29	13C-1,2,3,6,7,8-HxCDF	1.24e6	1.09e6	0.51	NO	1.14	33.77	33.76	NO	0.992	0.992	99.946	99.9	NO
30	13C-2,3,4,6,7,8-HxCDF	1.08e6	1.09e6	0.50	NO	1.02	34.34	34.33	NO	1.009	1.009	97.022	97.0	NO
31	13C-1,2,3,7,8,9-HxCDF	9.10e5	1.09e6	0.51	NO	0.845	35.23	35.23	NO	1.035	1.035	98.601	98.6	NO

Dataset: U:\VG12.PRO\Results\200519R1\200519R1-1.qld

Last Altered: Tuesday, May 19, 2020 09:32:26 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:32:45 Pacific Daylight Time

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

32	13C-1,2,3,4,6,7,8-HpCDF	8.45e5	1.09e6	0.43	NO	0.771	36.96	36.97	NO	1.086	1.086	100.25	100	NO
33	13C-1,2,3,4,7,8,9-HpCDF	5.58e5	1.09e6	0.43	NO	0.482	38.97	38.97	NO	1.145	1.145	105.88	106	NO
34	13C-OCDF	1.63e6	1.09e6	0.88	NO	0.669	41.54	41.55	NO	1.221	1.221	223.12	112	NO
35	37Cl-2,3,7,8-TCDD	1.30e5	1.23e6			1.10	26.08	26.06	NO	1.028	1.027	9.6144	96.1	NO
36	13C-1,2,3,4-TCDD	1.23e6	1.23e6	0.80	NO	1.00	25.35	25.38	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	1.73e6	1.73e6	0.79	NO	1.00	23.56	23.59	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.09e6	1.09e6	0.52	NO	1.00	34.00	34.03	NO	1.000	1.000	100.00	100	YES <i>OK</i>

Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 13:30:55 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 13:31:06 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Compound name: 2,3,7,8-TCDD

		Acq. Date	Acq. Time
200519R1_1	ST200519R1_1 1613 CS3 19L2305	19-May-20	08:37:57
200519R1_2	B0E0107-BS1 OPR 10	19-May-20	09:26:30
200519R1_3	SOLVENT BLANK	19-May-20	10:13:45
200519R1_4	B0E0107-BLK1 Method Blank 10	19-May-20	10:59:57
200519R1_5	B0E0107-BLK1 Method Blank 10	19-May-20	11:47:22
200519R1_6	2000948-15RE1 PDI-161SC-A-05-06-200424 ...	19-May-20	12:35:05

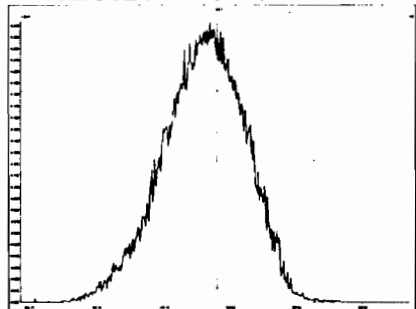
Experiment Calibration Report

MassLynx 4.1 SCN815

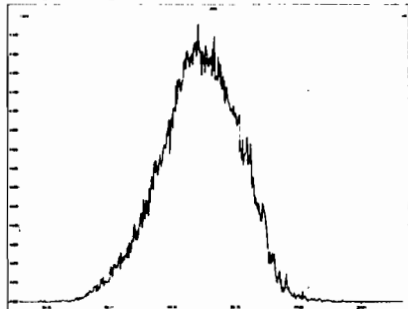
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:32:15 Pacific Daylight Time

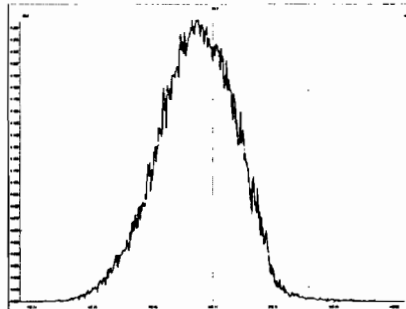
M 292.9824 R 10415



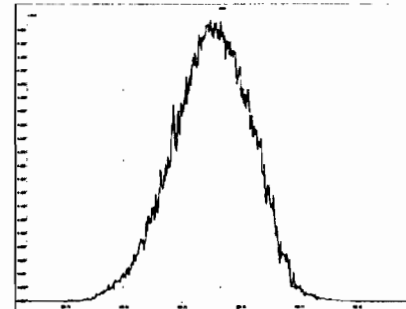
M 304.9824 R 10506



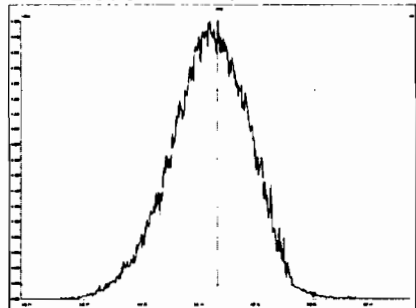
M 318.9792 R 10729



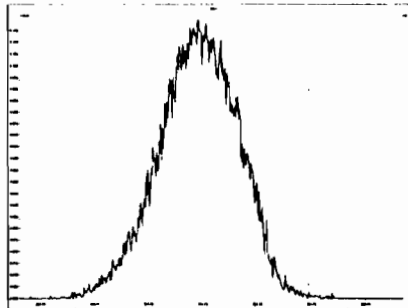
M 330.9792 R 10641



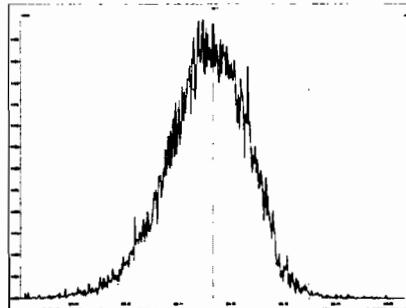
M 342.9792 R 10505



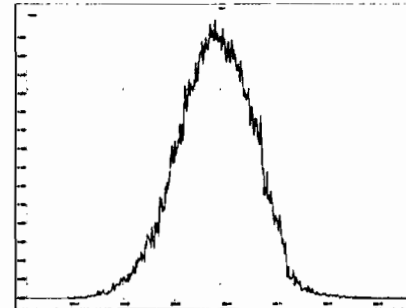
M 354.9792 R 10592



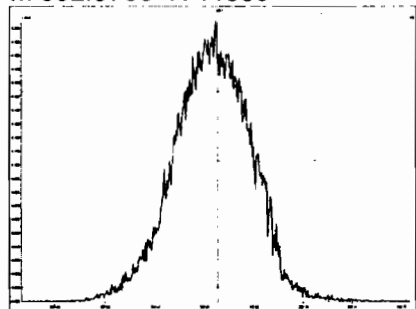
M 366.9792 R 10545



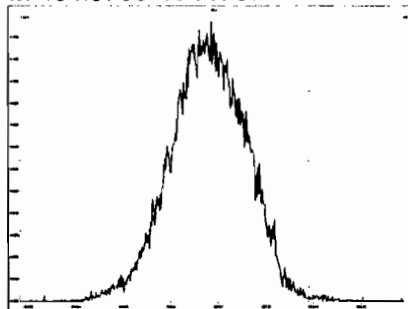
M 380.9760 R 11061



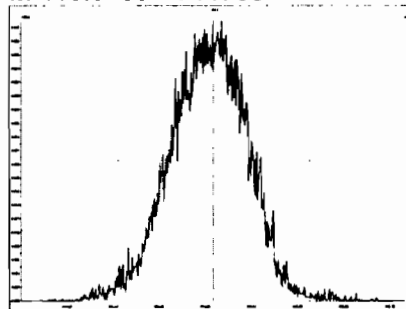
M 392.9760 R 11365



M 404.9760 R 11737



M 416.9760 R 11790



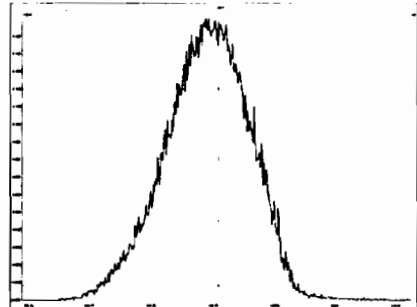
Experiment Calibration Report

MassLynx 4.1.SCN815.

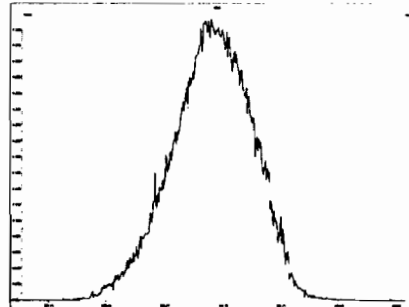
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:32:49 Pacific Daylight Time

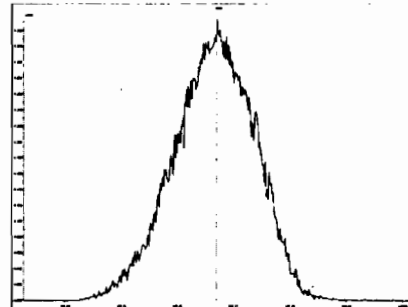
M 318.9792 R 10163



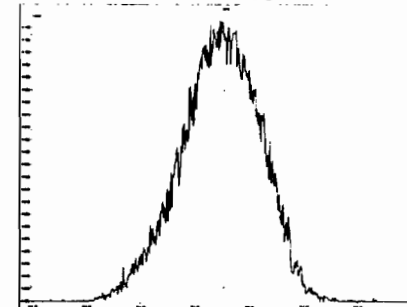
M 330.9792 R 10459



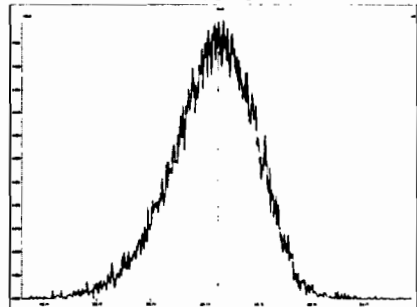
M 342.9792 R 10594



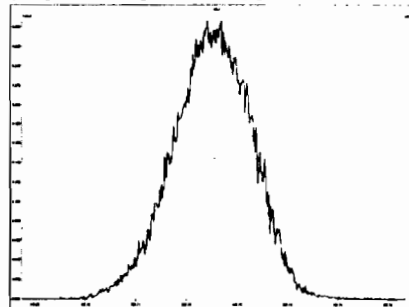
M 354.9792 R 10503



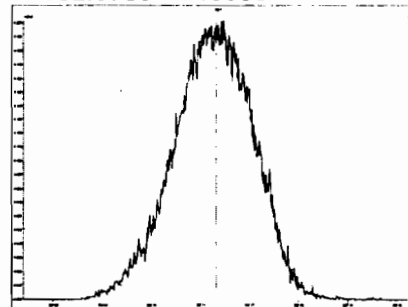
M 366.9792 R 10731



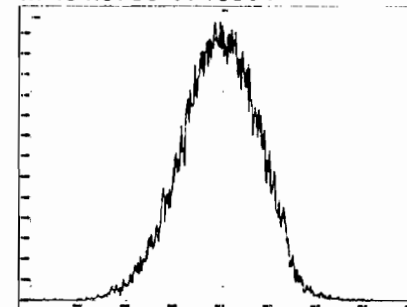
M 380.9760 R 10730



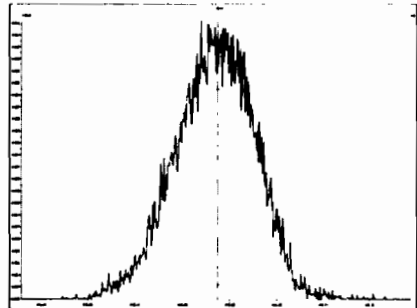
M 392.9760 R 10506



M 404.9760 R 10684



M 416.9760 R 11159



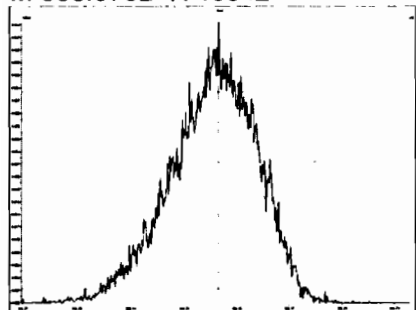
Experiment Calibration Report

MassLynx 4.1 SCN815

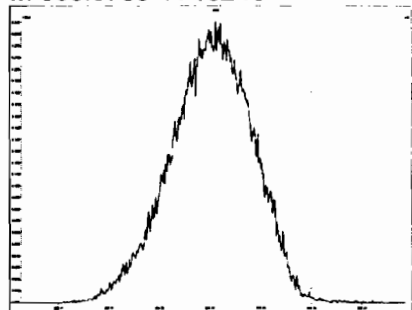
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:34:05 Pacific Daylight Time

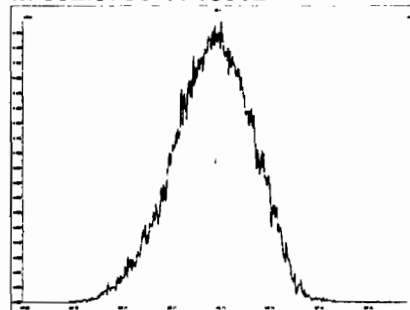
M 366.9792 R 10042



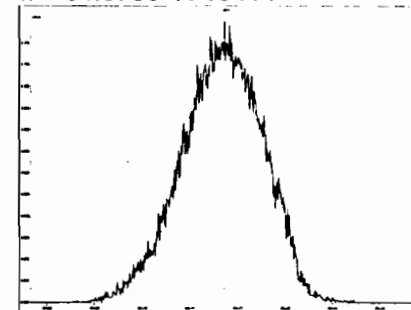
M 380.9760 R 10246



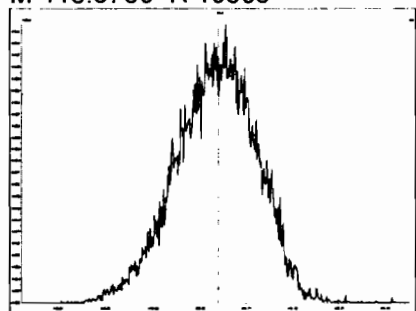
M 392.9760 R 10682



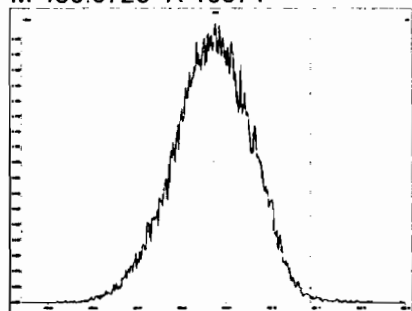
M 404.9760 R 10414



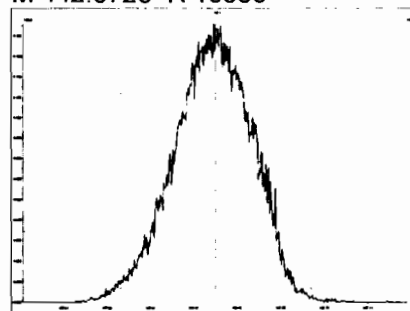
M 416.9760 R 10503



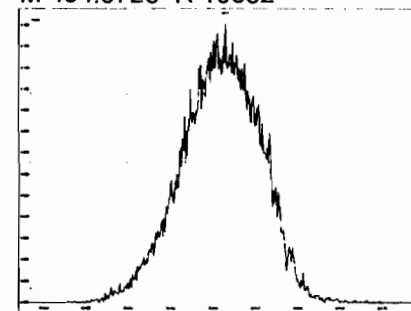
M 430.9728 R 10371



M 442.9728 R 10638



M 454.9728 R 10682



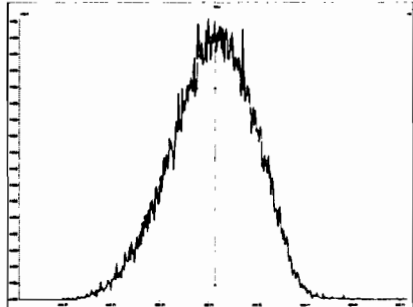
Experiment Calibration Report

MassLynx 4.1 SCN815

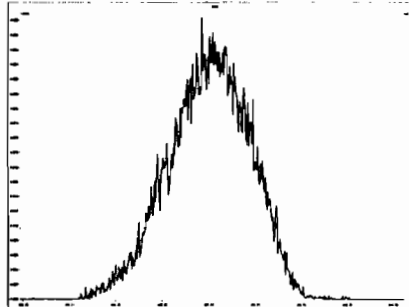
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:34:46 Pacific Daylight Time

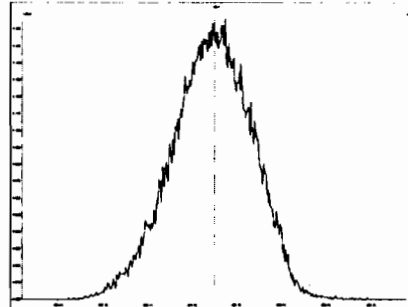
M 404.9760 R 10414



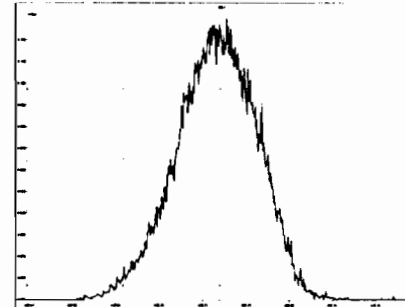
M 416.9760 R 10593



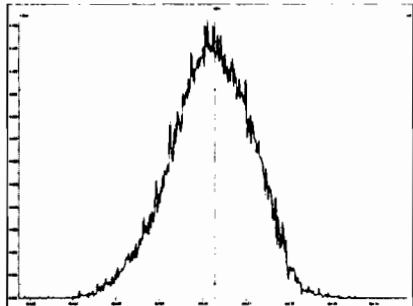
M 430.9728 R 10503



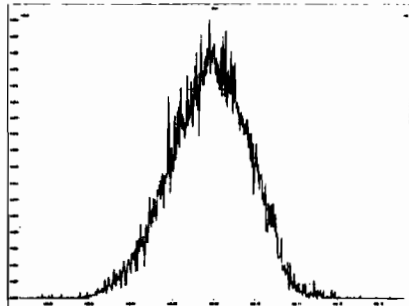
M 442.9728 R 10243



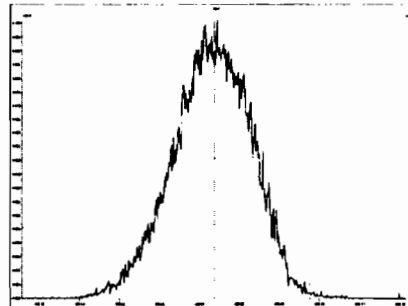
M 454.9728 R 10330



M 466.9728 R 11518



M 480.9696 R 10593



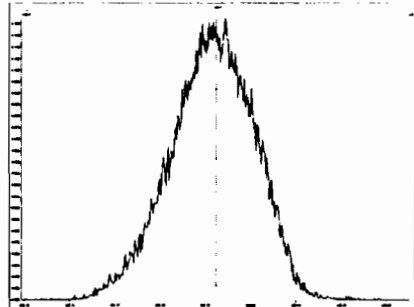
Experiment Calibration Report

MassLynx 4.1 SCN815

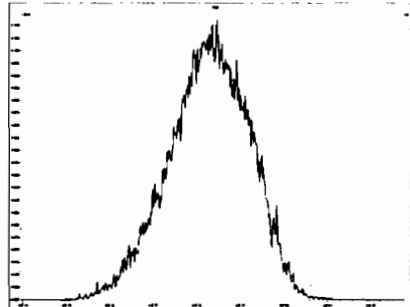
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:35:24 Pacific Daylight Time

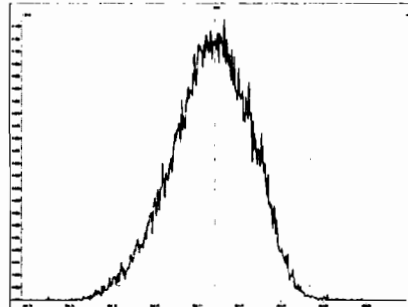
M 430.9728 R 10159



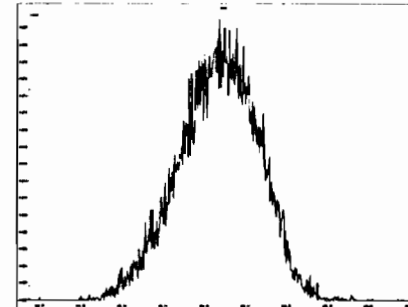
M 442.9728 R 10592



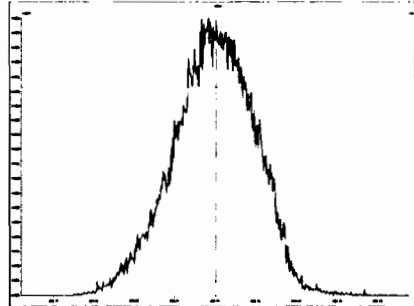
M 454.9728 R 10458



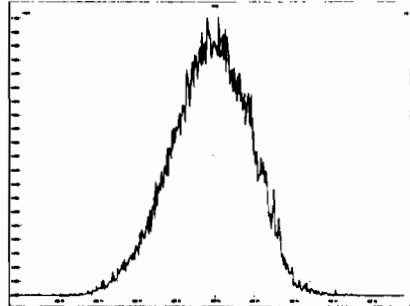
M 466.9728 R 10330



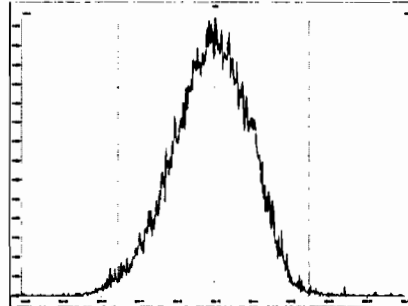
M 480.9696 R 10502



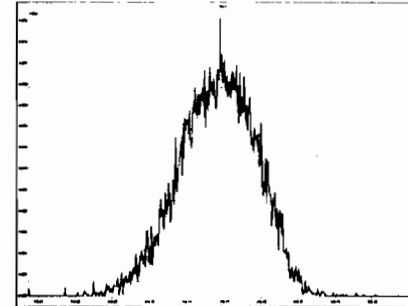
M 492.9696 R 10457



M 504.9696 R 10592



M 516.9697 R 11364



Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:25:14 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:25:26 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.90
2	2 1,2,8,9-TCDD (Last)	27.07
3	3 1,2,4,7,9-PeCDD (First)	28.88
4	4 1,2,3,8,9-PeCDD (Last)	31.54
5	5 1,2,4,6,7,9-HxCDD (First)	33.04
6	6 1,2,3,7,8,9-HxCDD (Last)	34.89
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.36
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.39
9	9 1,3,6,8-TCDF (First)	19.84
10	10 1,2,8,9-TCDF (Last)	27.22
11	11 1,3,4,6,8-PeCDF (First)	27.17
12	12 1,2,3,8,9-PeCDF (Last)	31.78
13	13 1,2,3,4,6,8-HxCDF (First)	32.48
14	14 1,2,3,7,8,9-HxCDF (Last)	35.24
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.98
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.99

Dataset: Untitled

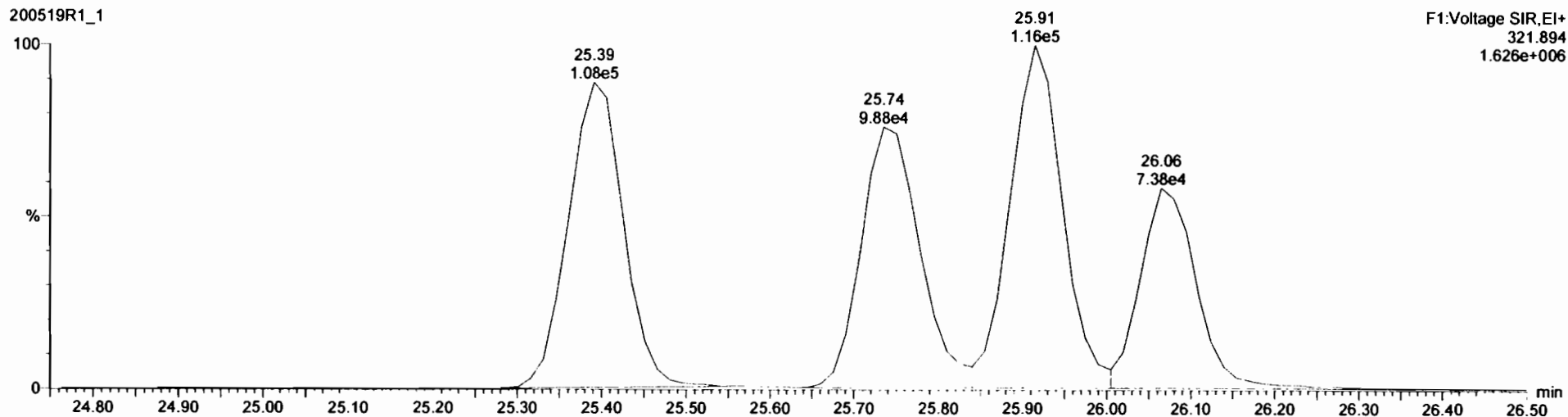
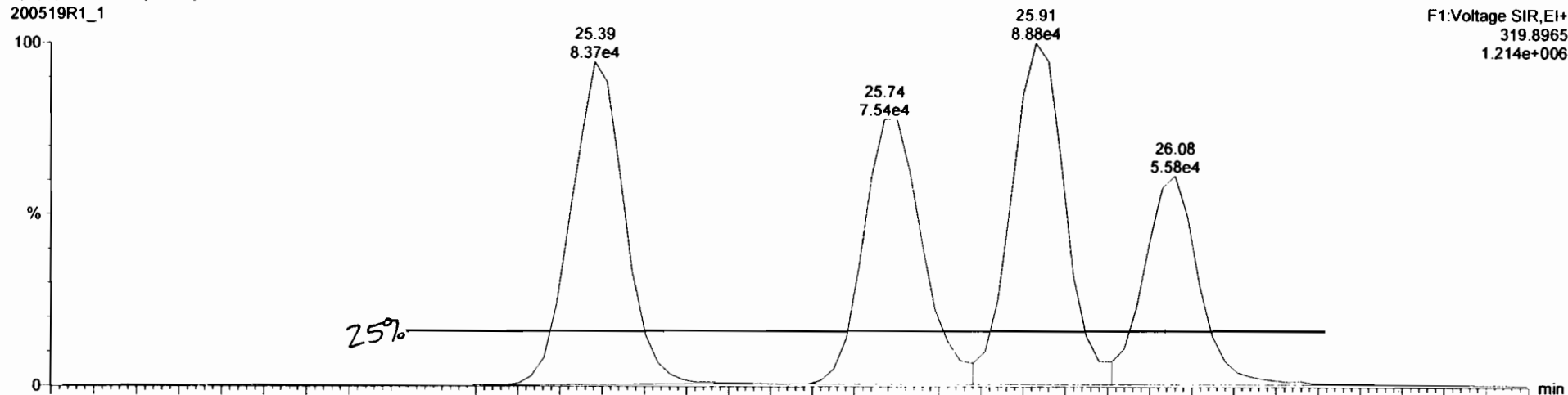
Last Altered: Tuesday, May 19, 2020 09:25:14 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:25:26 Pacific Daylight Time

GRB 05/19/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)
200519R1_1



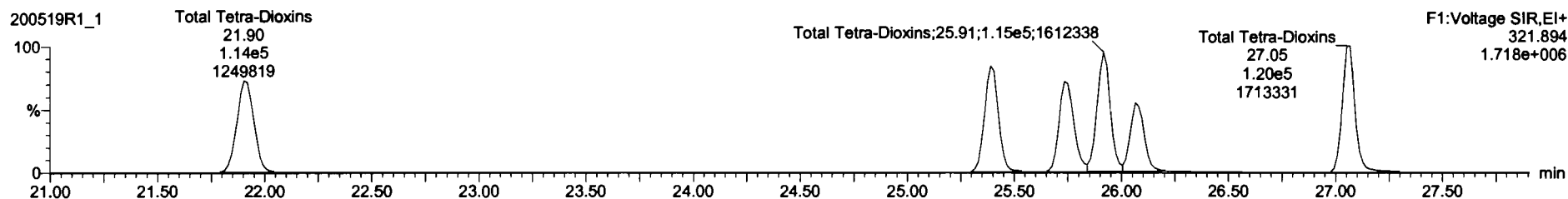
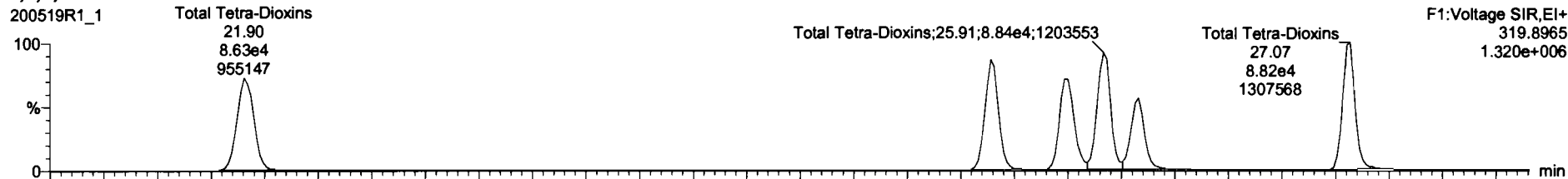
Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

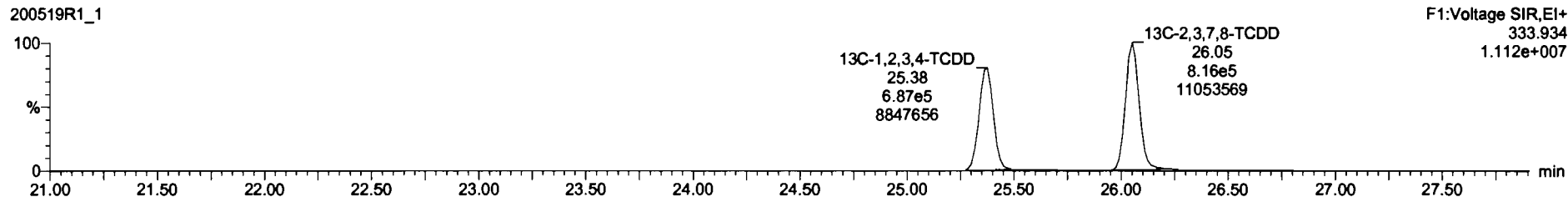
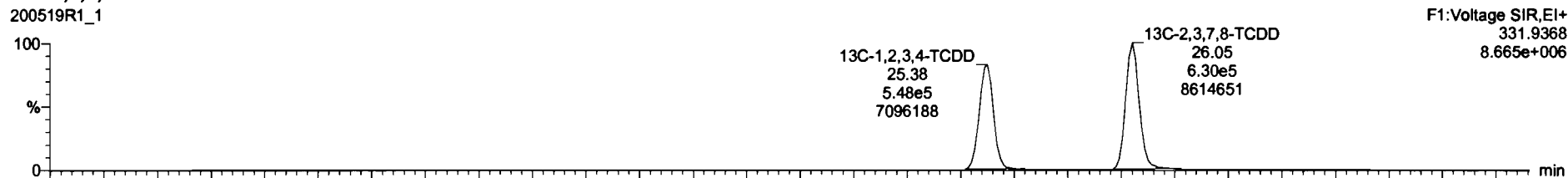
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



Dataset: Untitled

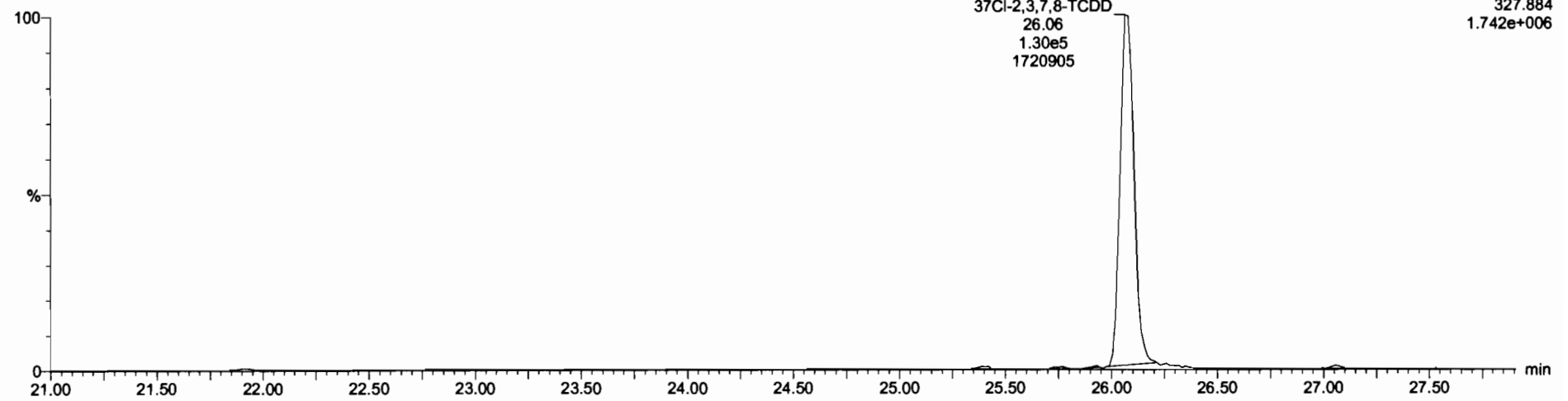
Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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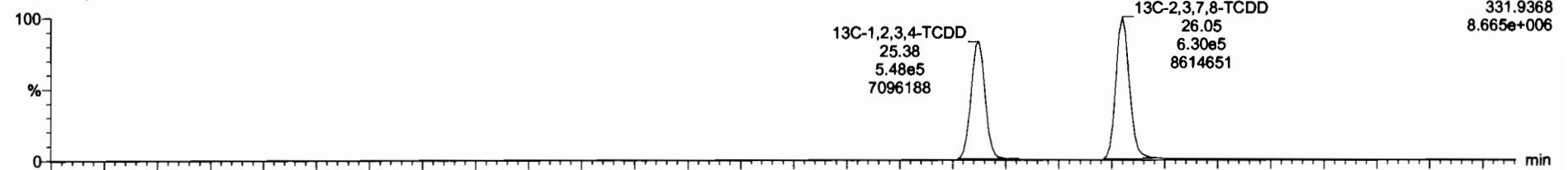
37Cl-2,3,7,8-TCDD

200519R1_1

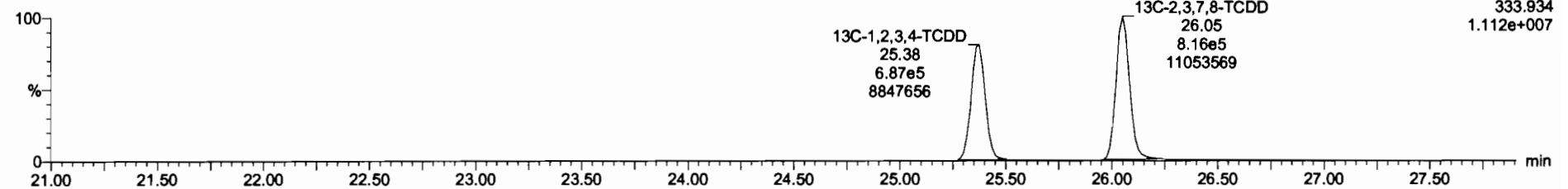


13C-1,2,3,4-TCDD

200519R1_1



200519R1_1



Dataset: Untitled

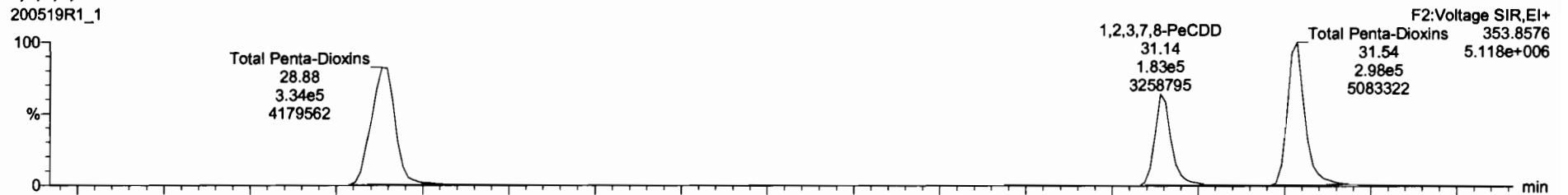
Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

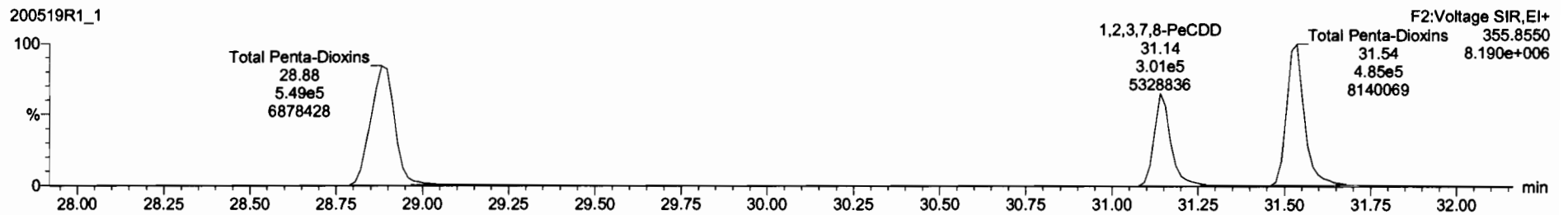
Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200519R1_1

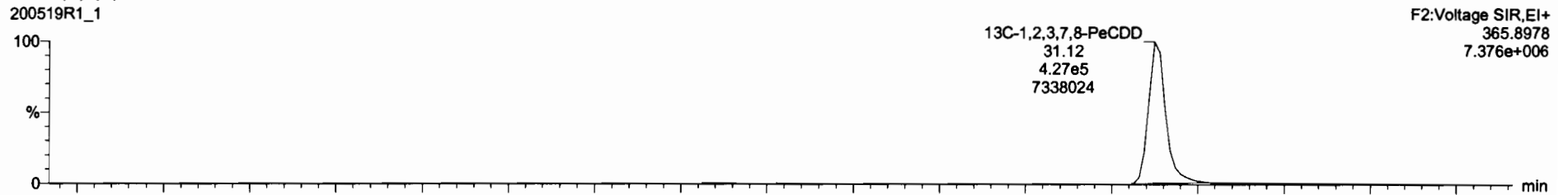


200519R1_1

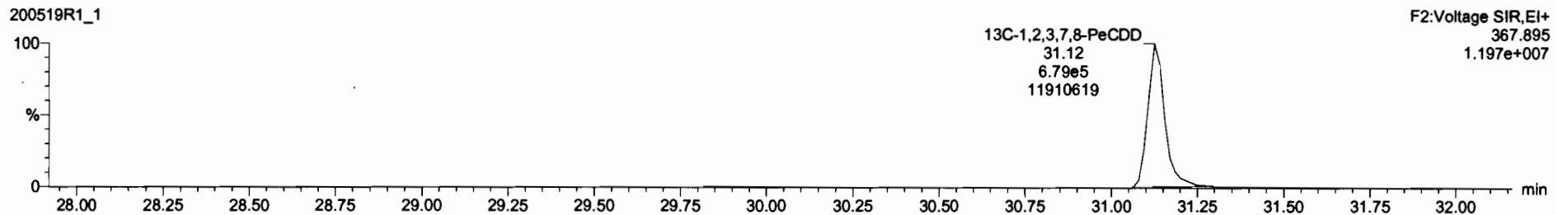


13C-1,2,3,7,8-PeCDD

200519R1_1



200519R1_1



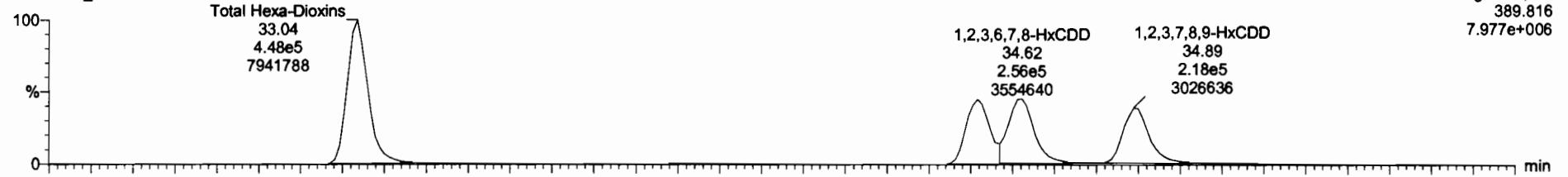
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Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

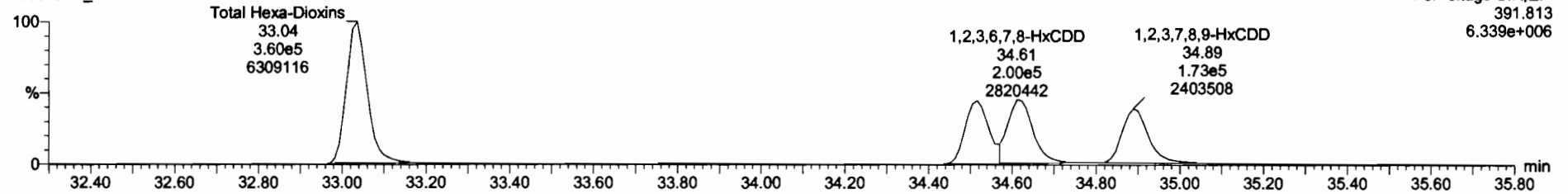
Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200519R1_1

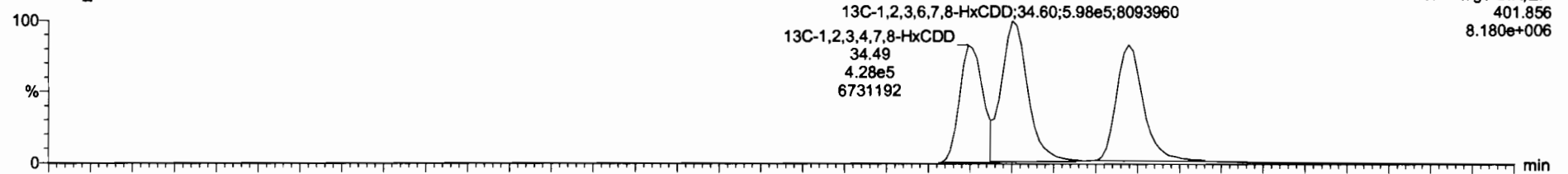


200519R1_1

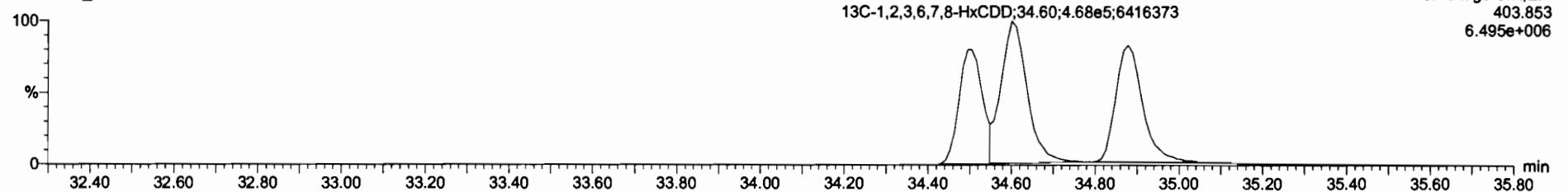


13C-1,2,3,4,7,8-HxCDD

200519R1_1



200519R1_1



Dataset: Untitled

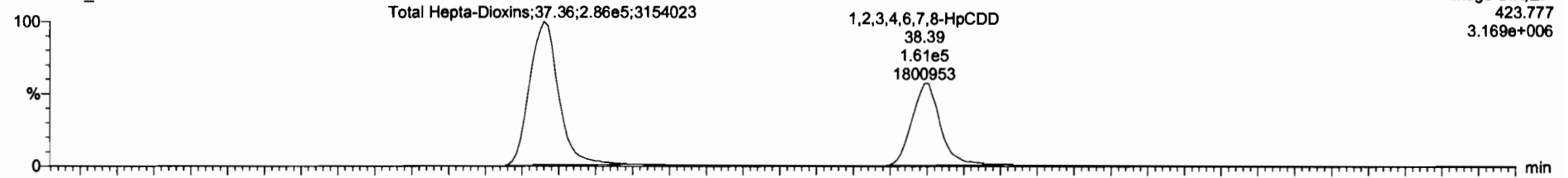
Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

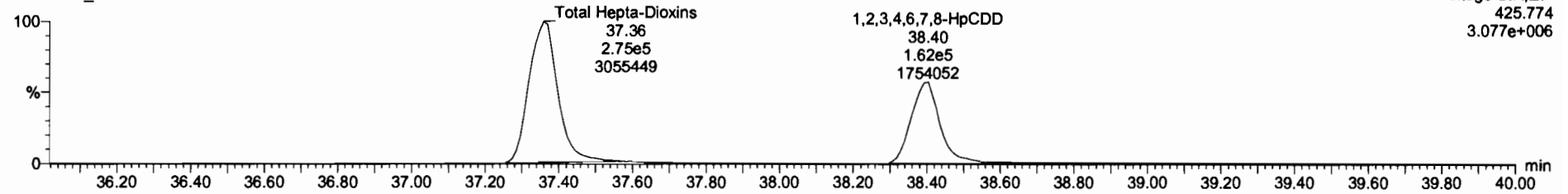
1,2,3,4,6,7,8-HpCDD

200519R1_1



F4: Voltage SIR, EI+
423.777
3.169e+006

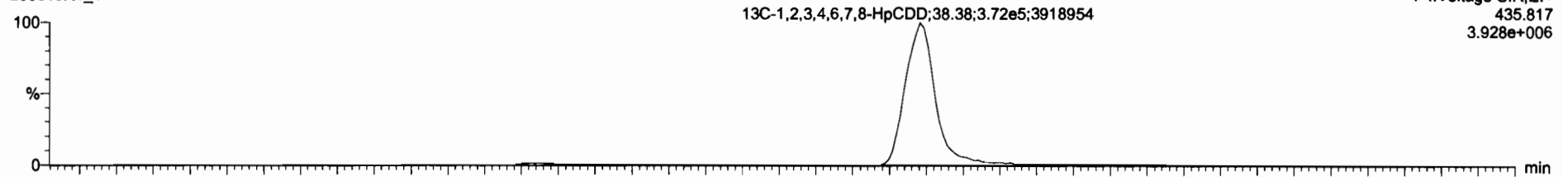
200519R1_1



F4: Voltage SIR, EI+
425.774
3.077e+006

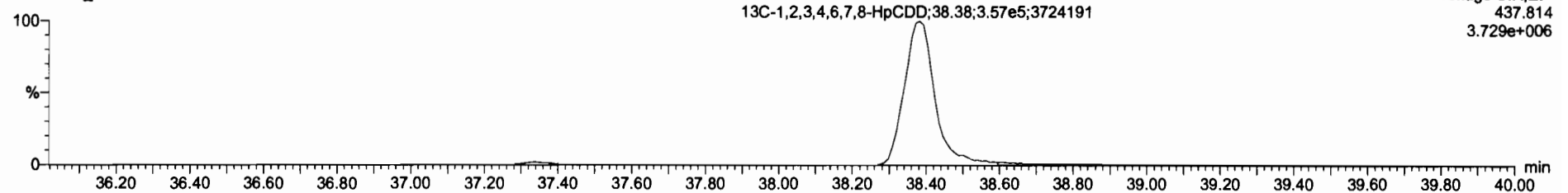
13C-1,2,3,4,6,7,8-HpCDD

200519R1_1



F4: Voltage SIR, EI+
435.817
3.928e+006

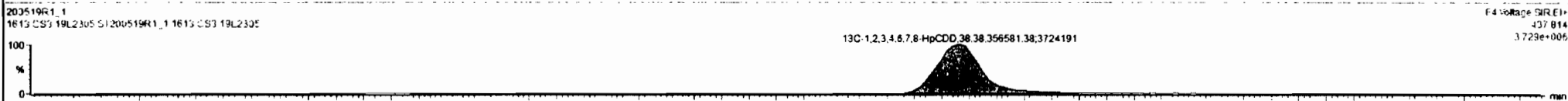
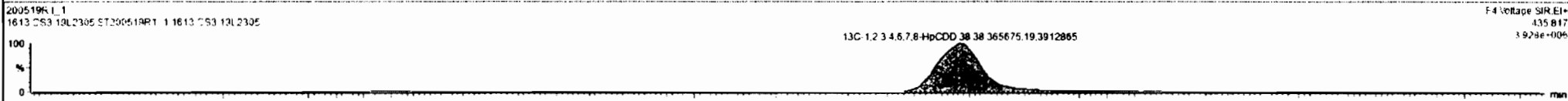
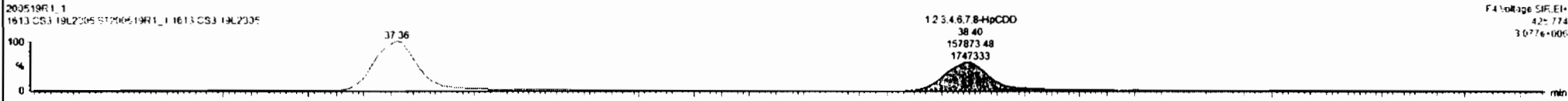
200519R1_1



F4: Voltage SIR, EI+
437.814
3.729e+006



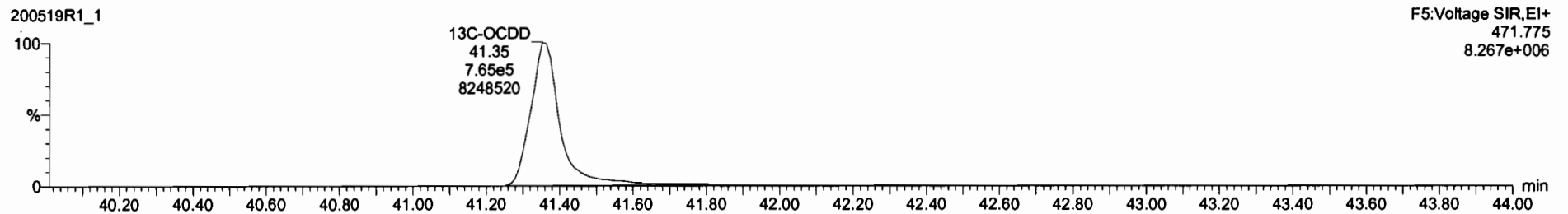
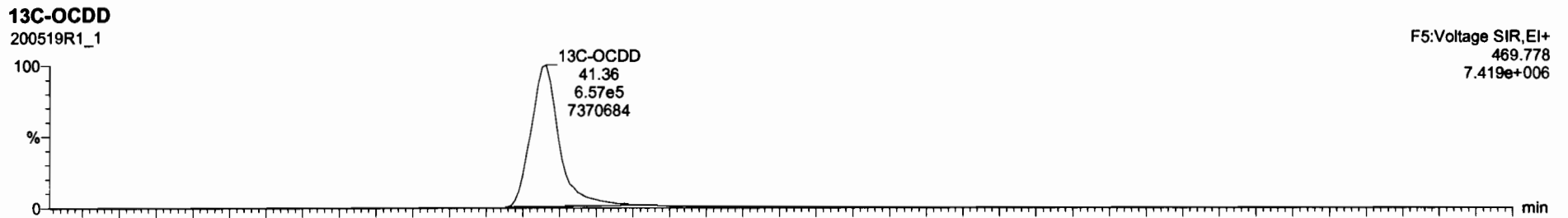
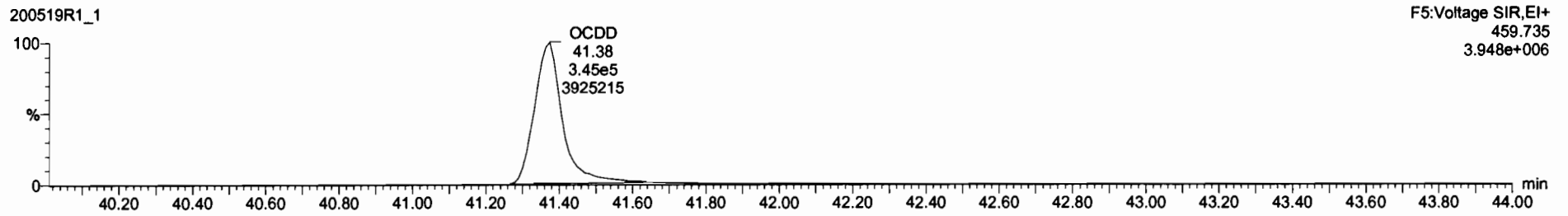
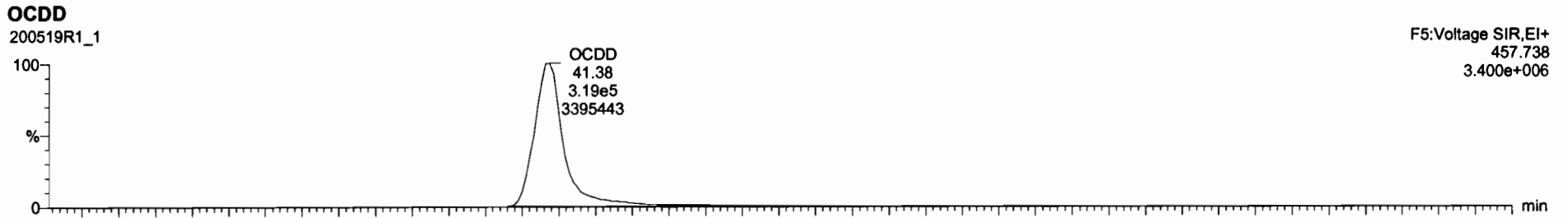
#	Name	Resp	IS Comp	Prod RA	RA	nly	RF	Prod RT	RT	RT Flag	Prod RRT	RRT	Comp	%Rec	STD out
1	1,2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	51.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9426	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.55e5	1.07e6	1.24	1.28	NO	0.9145	34.60	34.62	NO	1.000	1.001	46.7	93.4	NO
5	1,2,3,7,8-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9149	34.89	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
7	OCDD	6.64e5	1.42e6	0.89	0.92	NO	0.9335	41.36	41.38	NO	1.000	1.000	100	100	NO
8	2,2',7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.78	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.59e6	1.55	1.56	NO	0.9102	29.82	29.83	NO	1.001	1.001	49.1	98.2	NO
10	2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9964	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.92e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
12	1,2,3,6,7,8-HxCDF	5.87e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,7,8,9-HxCDF	4.19e5	9.36e5	1.24	1.23	NO	0.8642	35.23	35.24	NO	1.000	1.000	51.8	104	NO
15	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
16	1,2,3,4,7,8,9-HpCDF	3.14e5	5.80e5	1.04	1.05	NO	1.0116	38.97	38.96	NO	1.000	1.001	53.6	107	NO
17	OCDF	6.81e5	1.67e6	0.89	0.88	NO	0.8821	41.55	41.56	NO	1.000	1.000	102	102	NO
18	1,3C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
19	1,3C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.8472	31.14	31.12	NO	1.227	1.227	106	106	NO
20	1,3C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.28	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	92.9	NO
21	1,3C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9830	34.62	34.60	NO	1.017	1.017	101	101	NO



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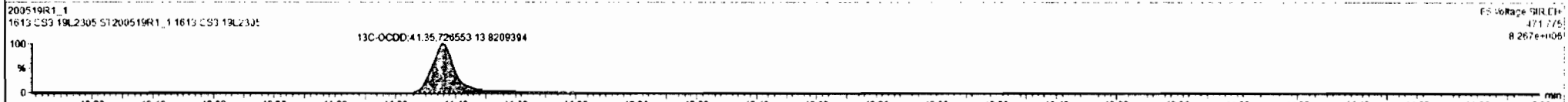
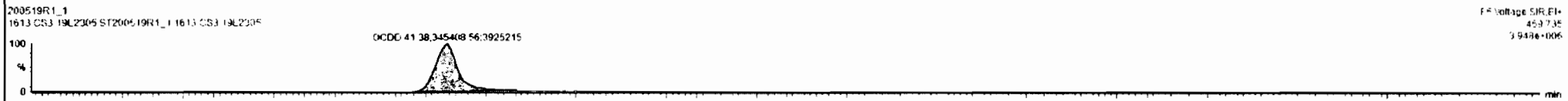
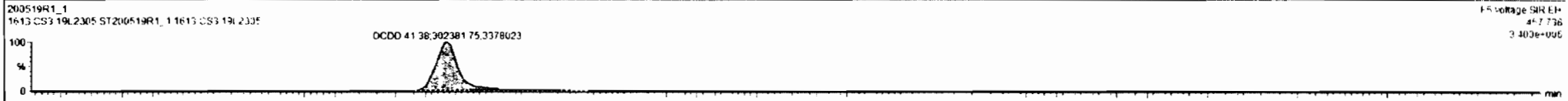
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Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305





#	Name	Resp	IS Rang	Prod RA	RA	ply	RRF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	91.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.55e5	1.07e6	1.24	1.26	NO	0.9145	34.60	34.62	NO	1.000	1.001	46.7	92.4	NO
5	1,2,3,7,8,9-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9149	34.85	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HpCDD	3.19e5	7.22e5	1.04	1.02	NO	0.6079	38.39	38.38	NO	1.000	1.000	49.1	98.3	NO
7	1,2,3,4,6,7,8-HpCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.78	97.8	NO
8	1,2,3,7,8-PeCDF	7.10e5	1.59e6	1.55	1.56	NO	0.9102	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
9	1,2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9664	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
10	1,2,3,4,7,8-HxCDF	4.92e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
11	1,2,3,6,7,8-HxCDF	5.87e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
12	1,2,3,4,6,7,8-HpCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
13	1,2,3,7,8,9-HxCDF	4.19e5	9.36e5	1.24	1.23	NO	0.8642	35.23	35.24	NO	1.000	1.000	51.2	104	NO
14	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
15	1,2,3,4,7,8,9-HpCDF	3.14e5	5.80e5	1.04	1.05	NO	1.0118	36.97	36.90	NO	1.000	1.001	53.6	107	NO
16	OCDF	6.81e5	1.67e6	0.89	0.88	NO	0.8021	41.55	41.56	NO	1.000	1.000	102	102	NO
17	1,3C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
18	1,3C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.9472	31.14	31.12	NO	1.227	1.227	106	106	NO
19	1,3C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.26	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	93.0	NO
20	1,3C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9530	34.62	34.60	NO	1.017	1.017	101	101	NO



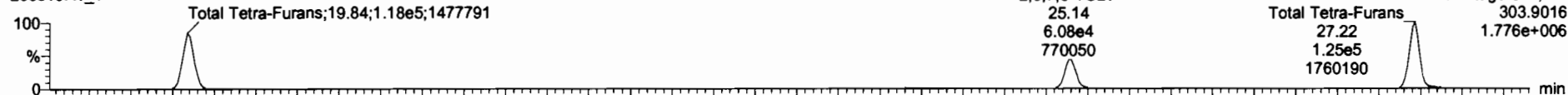
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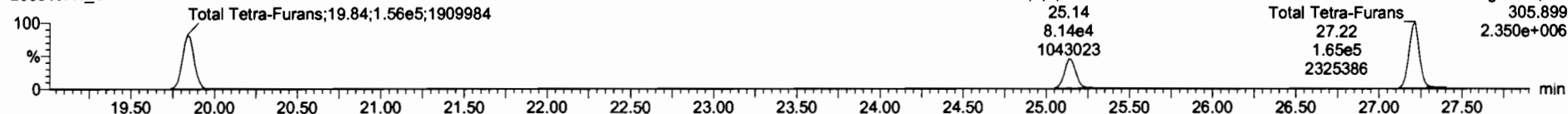
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2,3,7,8-TCDF

200519R1_1

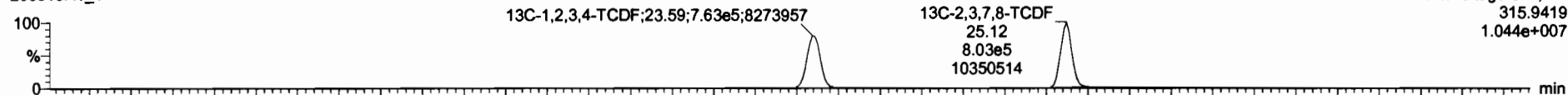


200519R1_1

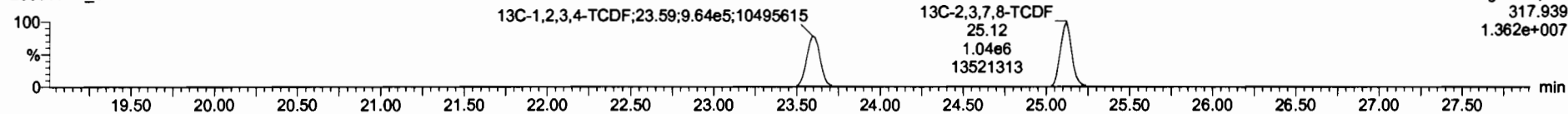


13C-2,3,7,8-TCDF

200519R1_1

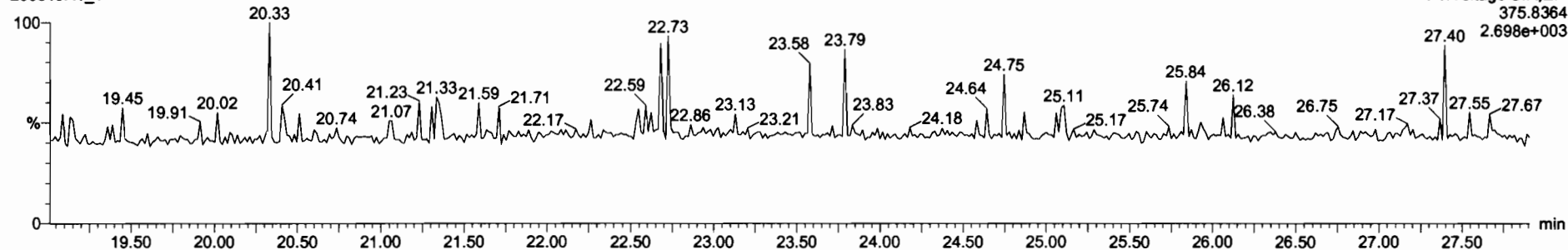


200519R1_1



DPE1

200519R1_1



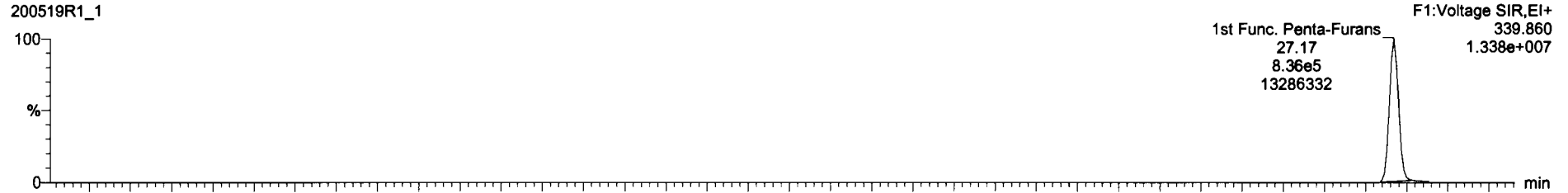
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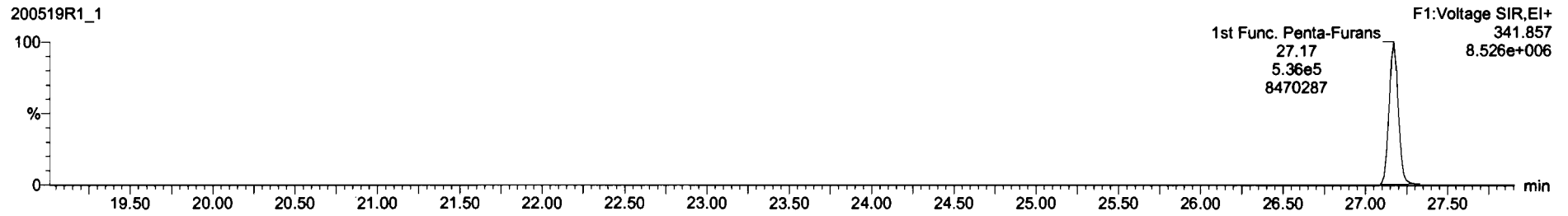
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200519R1_1

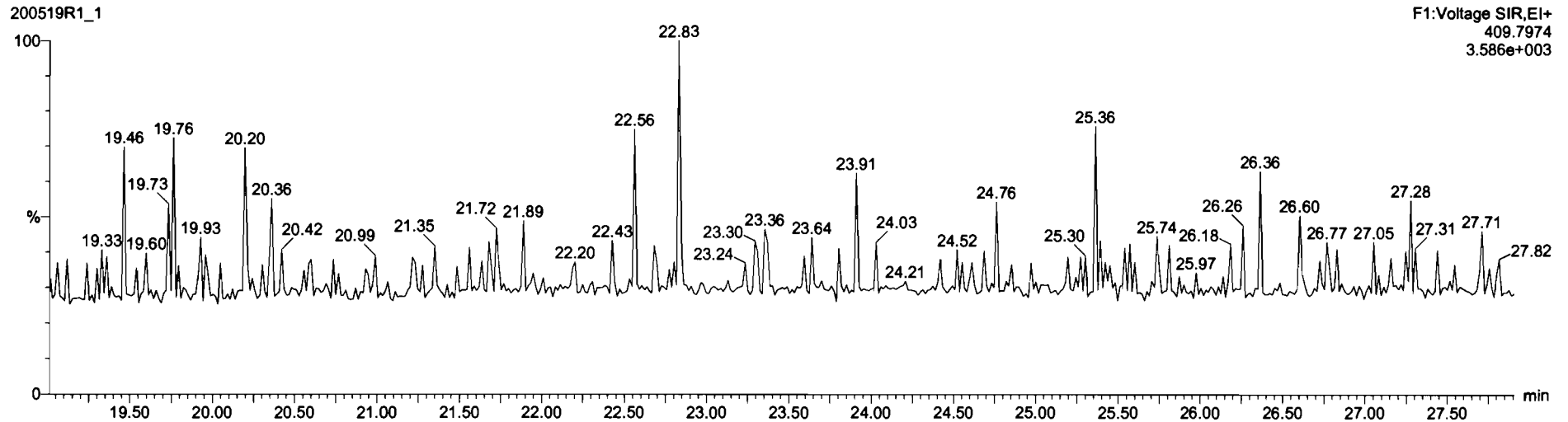


200519R1_1



DPE6

200519R1_1



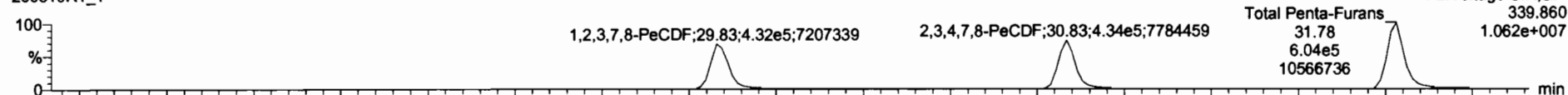
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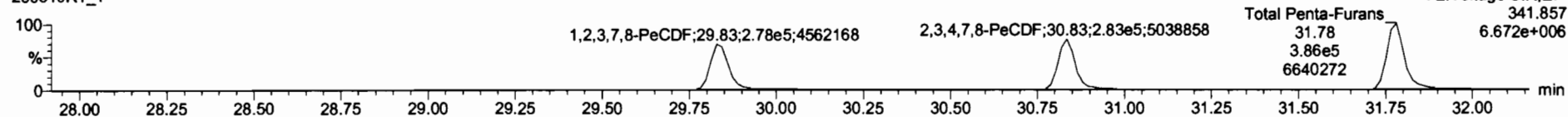
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1,2,3,7,8-PeCDF

200519R1_1

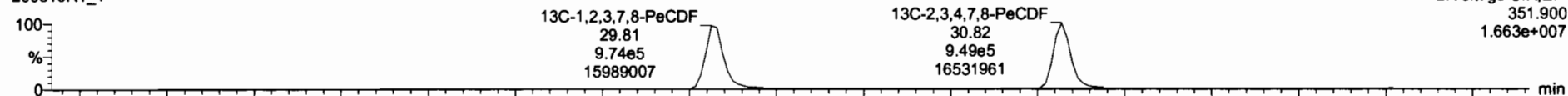


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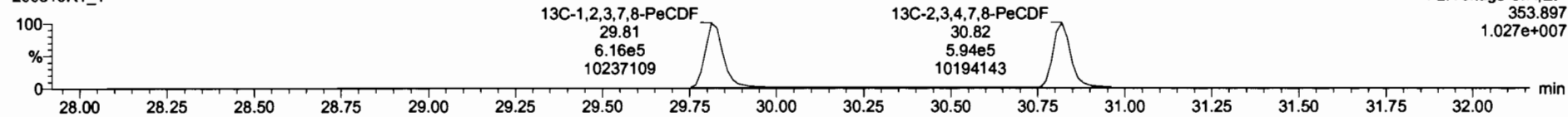


13C-1,2,3,7,8-PeCDF

200519R1_1

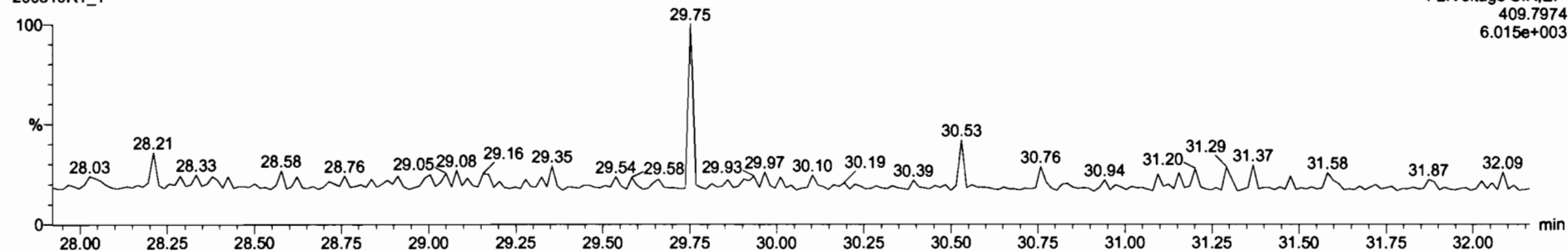


200519R1_1



DPE2

200519R1_1

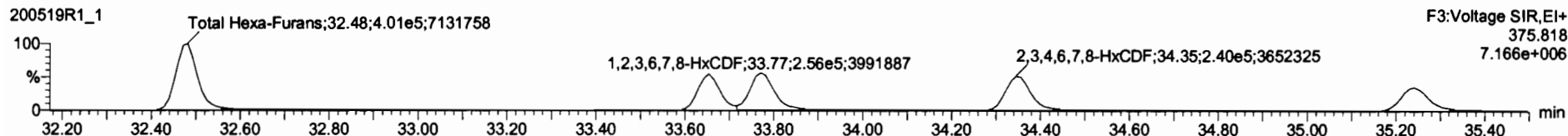
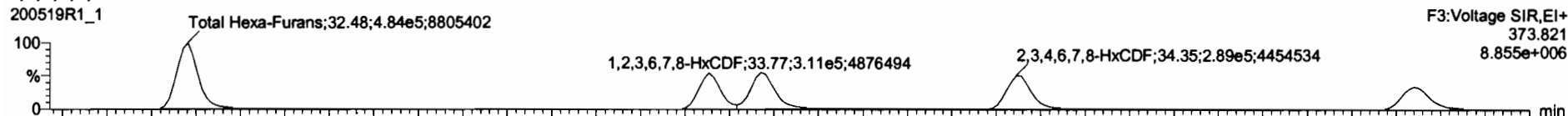


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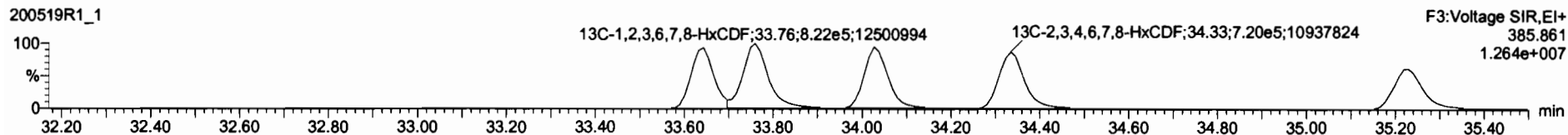
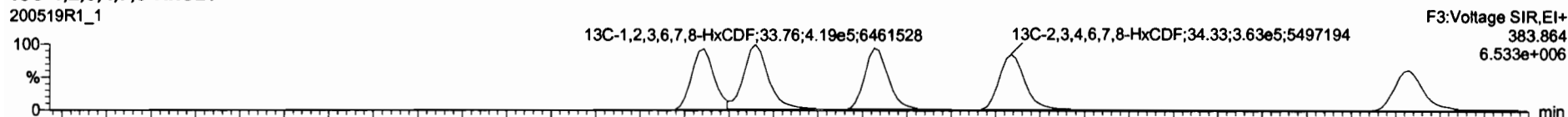
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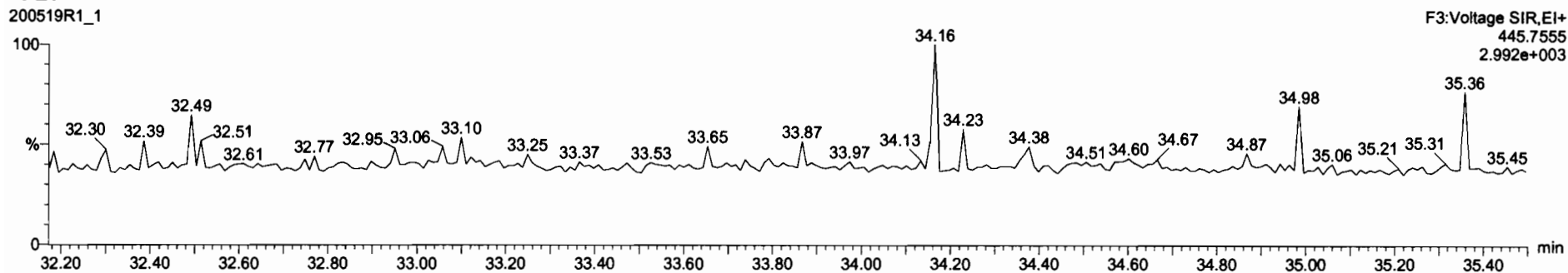
1,2,3,4,7,8-HxCDF



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

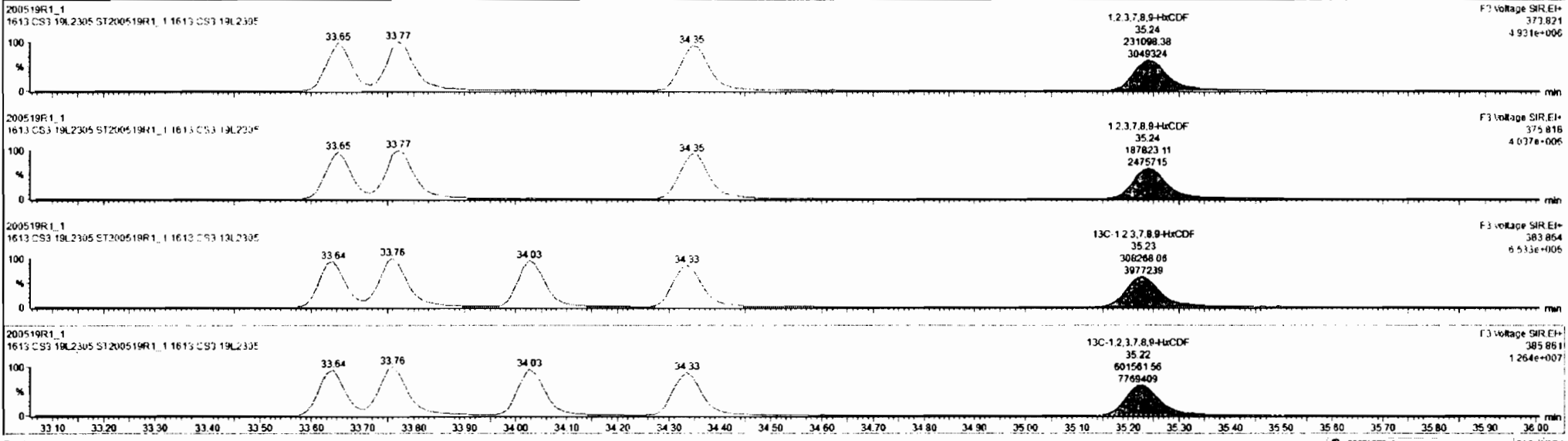


DPE3





#	Name	Resp	IS Resp	Prod RA	RA	inj	REF	Prod.RT	RT	RT Flag	Prod.RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	91.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.15e5	1.07e6	1.24	1.26	NO	0.9145	34.80	34.82	NO	1.000	1.001	46.7	92.4	NO
5	1,2,3,7,8,9-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9148	34.89	34.89	NO	1.000	1.000	48.3	96.5	NO
6	1,2,3,4,6,7,8-HpCDD	3.19e5	7.22e5	1.94	1.82	NO	0.9079	38.39	38.39	NO	1.000	1.000	49.1	98.3	NO
7	OCDD	6.48e5	1.38e6	0.89	0.88	NO	0.8335	41.36	41.38	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.76	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.59e6	1.55	1.56	NO	0.9182	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
10	1,2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9664	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
12	1,2,3,6,7,8-HxCDF	5.87e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
15	1,2,3,4,7,8,9-HpCDF	3.14e5	5.80e5	1.04	1.05	NO	1.0116	38.97	38.90	NO	1.000	1.001	53.6	107	NO
16	OCDF	6.81e5	1.87e6	0.89	0.88	NO	0.8021	41.55	41.56	NO	1.000	1.000	102	102	NO
17	13C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
18	13C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.9472	31.14	31.12	NO	1.227	1.227	106	106	NO
19	13C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.26	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	92.9	NO
20	13C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9830	34.82	34.60	NO	1.017	1.017	101	101	NO



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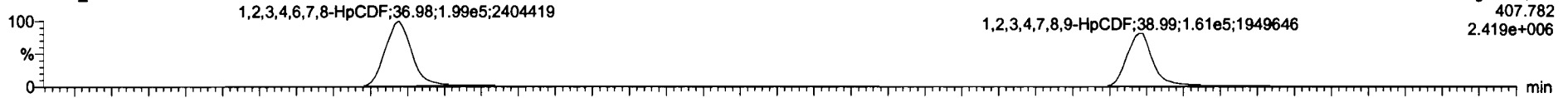
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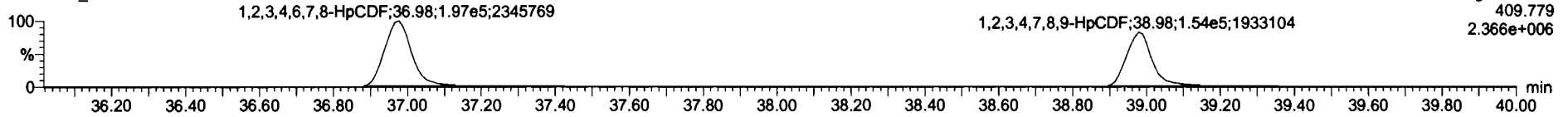
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1,2,3,4,6,7,8-HpCDF

200519R1_1

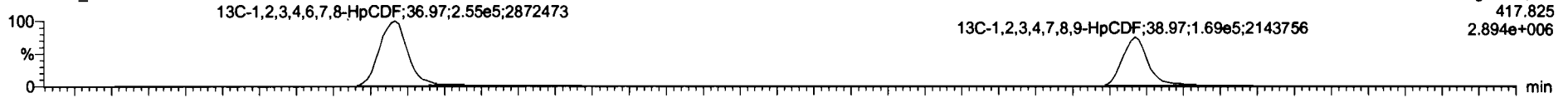


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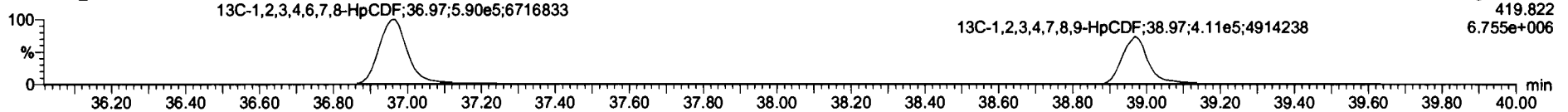


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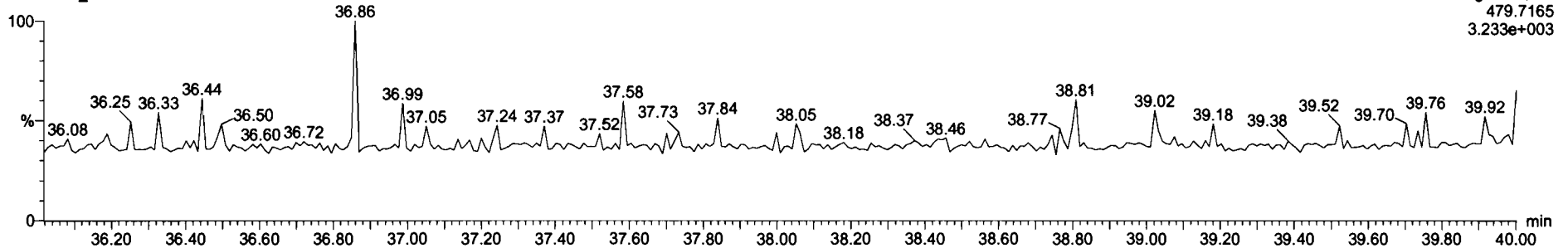


200519R1_1

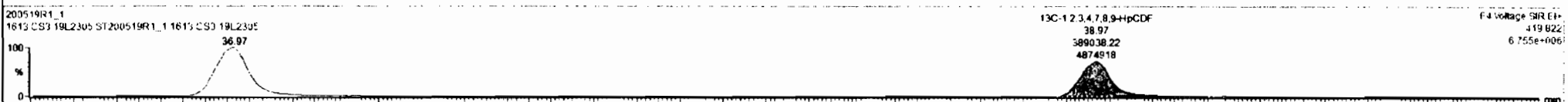


DPE4

200519R1_1



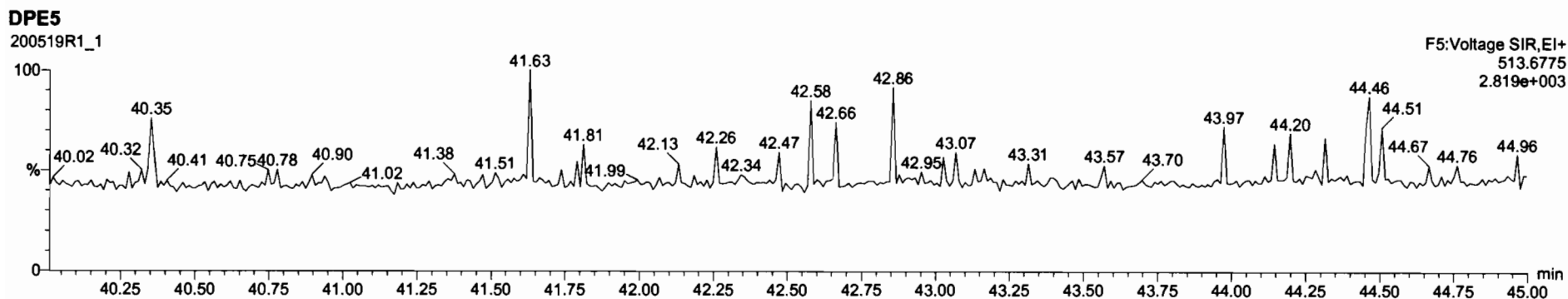
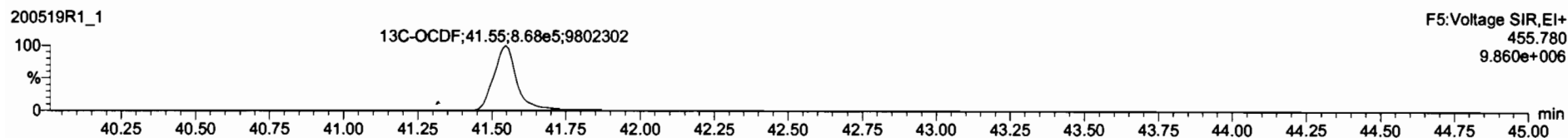
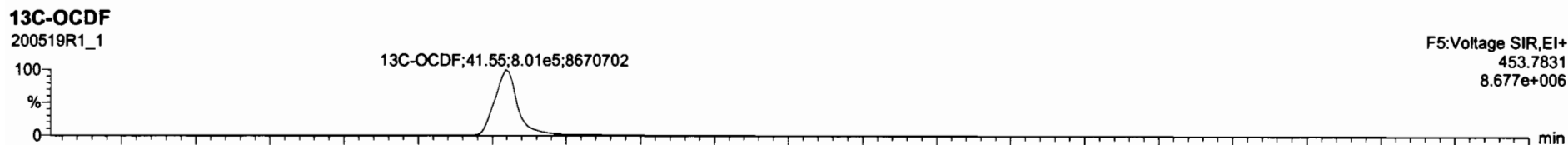
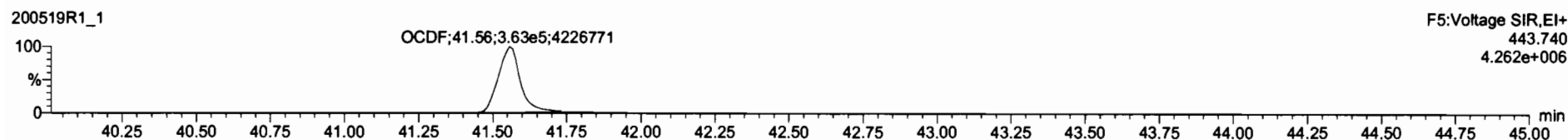
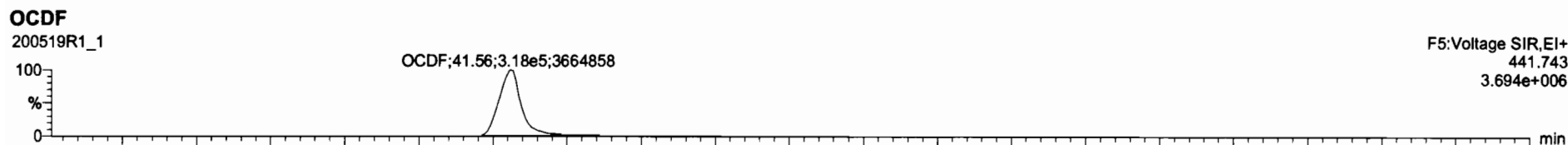
#	Name	Resp	IS Ramp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD-out
1	1,2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	91.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0541	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.55e5	1.07e6	1.24	1.26	NO	0.9145	34.80	34.62	NO	1.000	1.001	46.7	93.4	NO
5	1,2,3,7,8,9-HxCDD	3.51e5	8.84e5	1.24	1.26	NO	0.9149	34.89	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HpCDD	3.15e5	7.22e5	1.04	1.02	NO	0.8975	36.39	36.39	NO	1.000	1.000	49.1	98.3	NO
7	OCDD	6.46e5	1.38e6	0.89	0.88	NO	0.9335	41.36	41.38	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.76	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.56e6	1.55	1.56	NO	0.9102	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
10	2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9564	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	1.03e6	1.24	1.22	NO	0.8782	33.54	33.65	NO	1.000	1.000	54.1	106	NO
12	1,2,3,6,7,8-HxCDF	5.67e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,7,8,9-HxCDF	4.19e5	9.10e5	1.24	1.23	NO	0.9542	35.23	35.24	NO	1.000	1.000	53.3	107	NO
15	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	106	NO
16															
17	OCDF	6.81e5	1.67e6	0.89	0.88	NO	0.9821	41.55	41.56	NO	1.000	1.000	102	102	NO
18	13C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.9472	31.14	31.12	NO	1.227	1.227	106	106	NO
20	13C-1,2,3,4,7,8-PeCDD	7.61e5	1.05e6	1.24	1.26	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	93.0	NO
21	13C-1,2,3,6,7,8-HxCDD	1.07e6	1.05e6	1.24	1.28	NO	0.9630	34.62	34.60	NO	1.017	1.017	101	101	NO



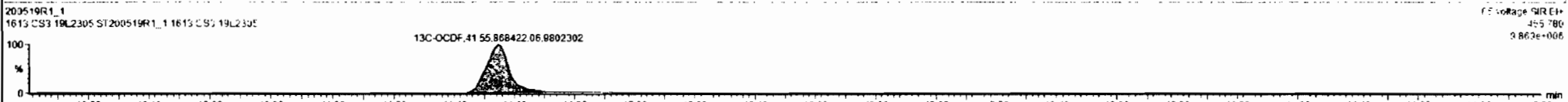
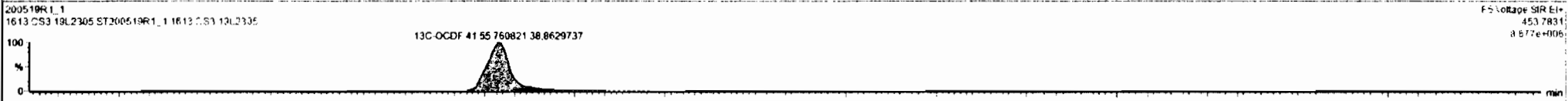
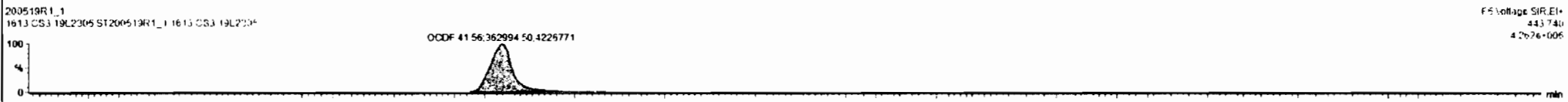
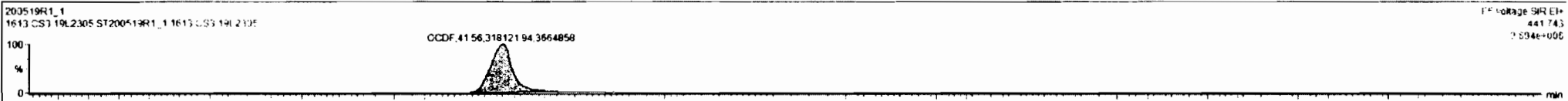
Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



#	Name	Resp	IS Resp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.98	NO	1.001	1.001	9.16	51.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.15e5	1.07e6	1.24	1.28	NO	0.9145	34.80	34.62	NO	1.000	1.001	46.7	53.4	NO
5	1,2,3,7,8,9-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9149	34.89	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HpCDD	3.15e5	7.22e5	1.04	1.02	NO	0.8979	38.39	38.39	NO	1.000	1.000	49.1	98.3	NO
7	OCDD	6.48e5	1.38e6	0.89	0.88	NO	0.9335	41.38	41.38	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.76	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.55e6	1.55	1.56	NO	0.9102	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
10	2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9664	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.92e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
12	1,2,3,6,7,8-HxCDF	5.67e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,7,8,9-HxCDF	4.19e5	9.10e5	1.24	1.23	NO	0.8642	35.23	35.24	NO	1.000	1.000	53.3	107	NO
15	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
16	1,2,3,4,7,8,9-HpCDF	3.08e5	5.58e5	1.04	1.01	NO	1.0116	38.97	38.99	NO	1.000	1.001	54.6	109	NO
17															
18	13C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.95	NO	1.026	1.027	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.8472	31.14	31.12	NO	1.227	1.227	106	106	NO
20	13C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.28	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	92.0	NO
21	13C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9630	34.62	34.60	NO	1.017	1.017	101	101	NO



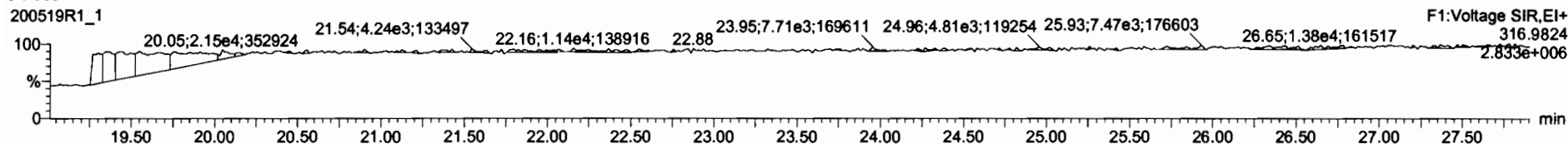
Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

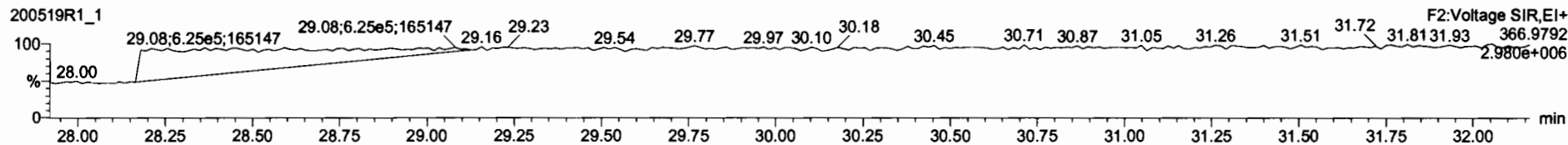
Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

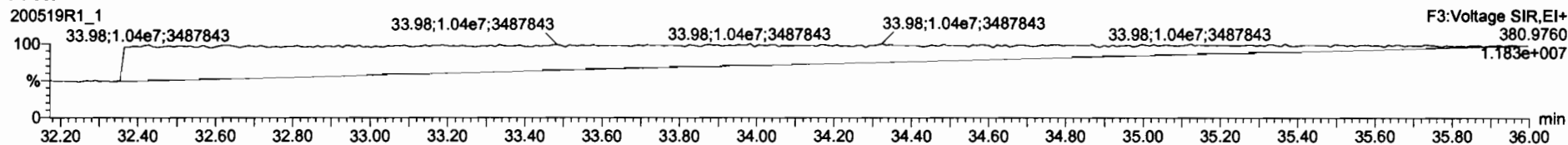
PFK1



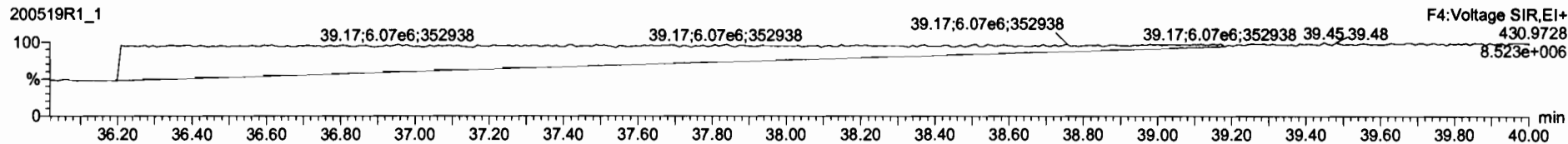
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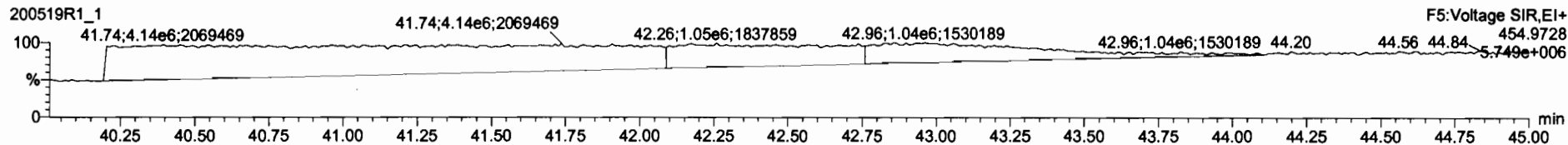
PFK3



PFK4



PFK5



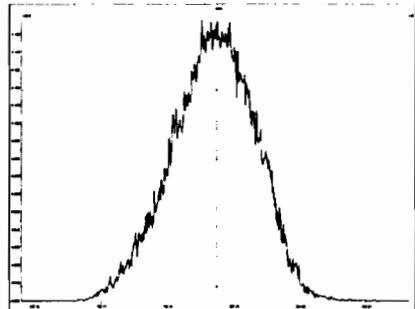
Experiment Calibration Report

MassLynx 4.1 SCN815

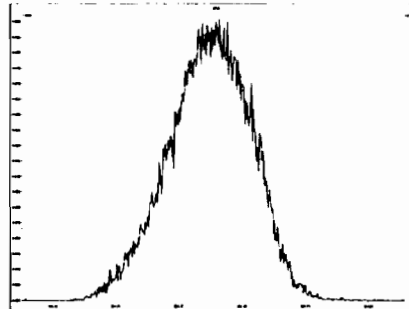
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:24:46 Pacific Daylight Time

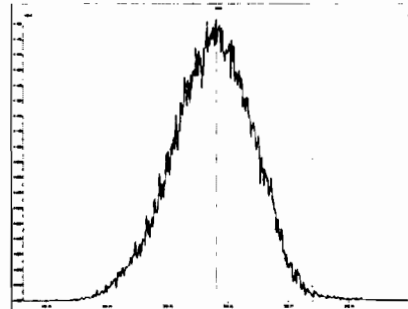
M 292.9824 R 10203



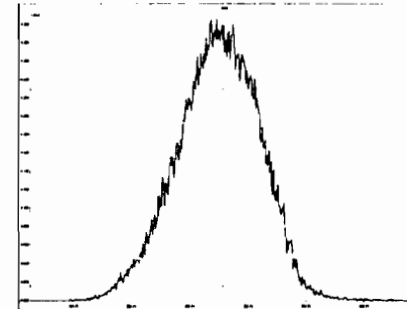
M 304.9824 R 10332



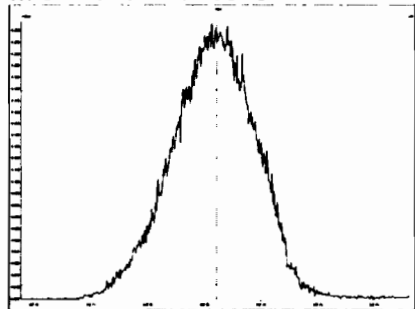
M 318.9792 R 10460



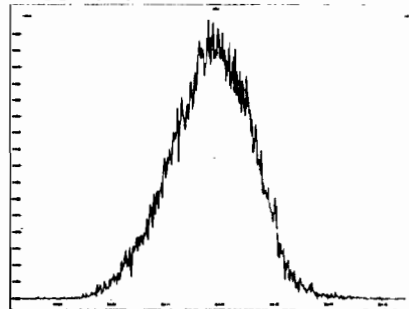
M 330.9792 R 10165



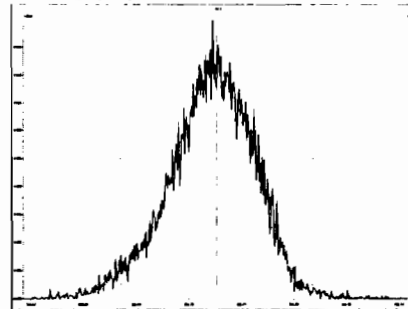
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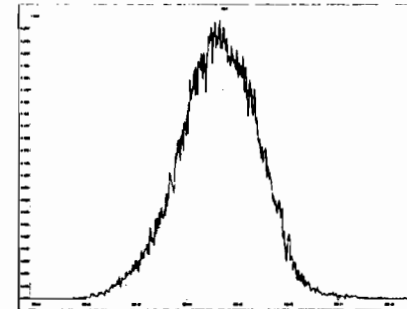
M 354.9792 R 10415



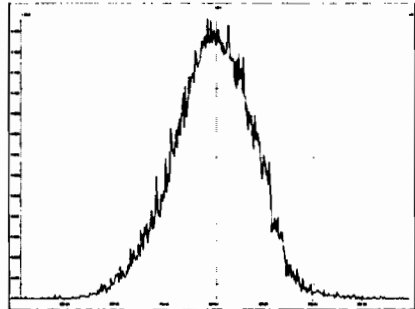
M 366.9792 R 10680



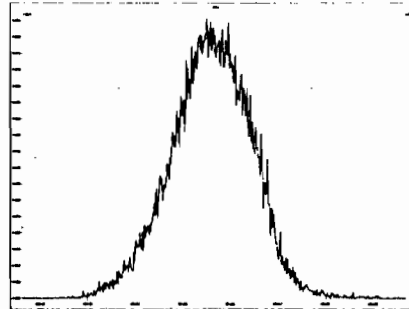
M 380.9760 R 10503



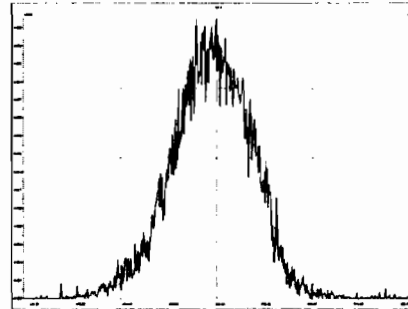
M 392.9760 R 10418



M 404.9760 R 10330



M 416.9760 R 11470



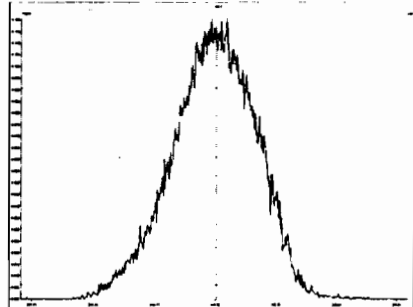
Experiment Calibration Report

MassLynx 4.1 SCN815

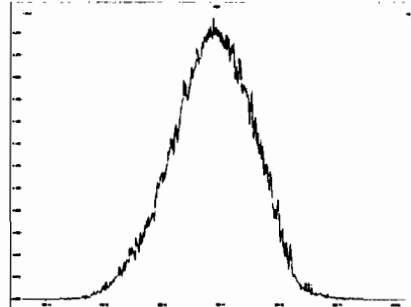
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:27:12 Pacific Daylight Time

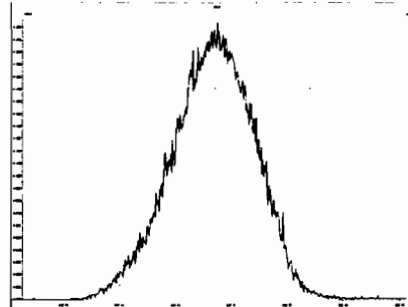
M 318.9792 R 10076



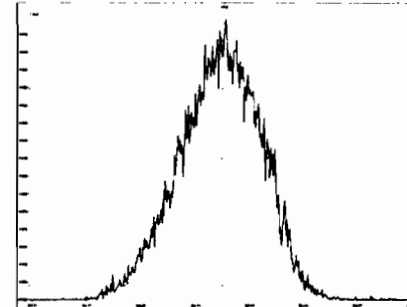
M 330.9792 R 10120



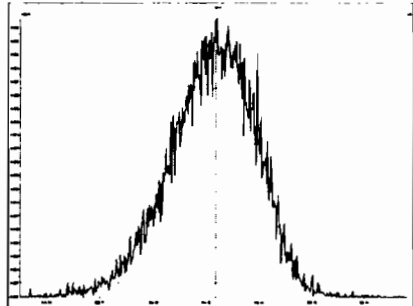
M 342.9792 R 10118



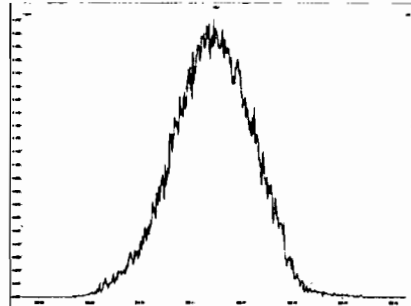
M 354.9792 R 10287



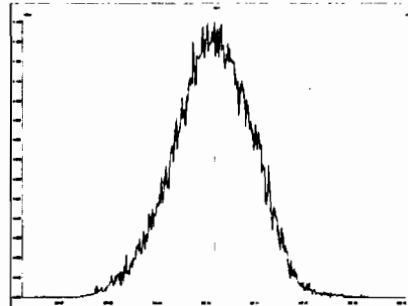
M 366.9792 R 10123



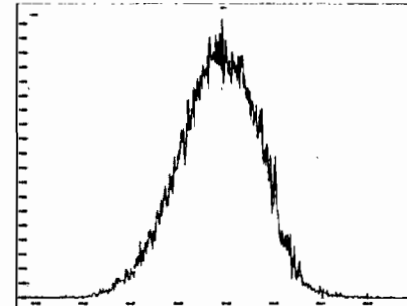
M 380.9760 R 10460



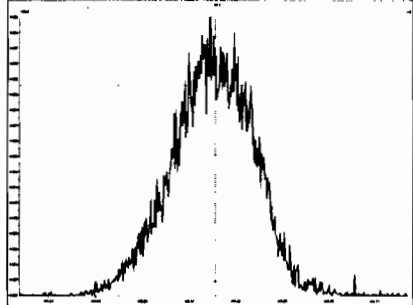
M 392.9760 R 10778



M 404.9760 R 10040



M 416.9760 R 10547



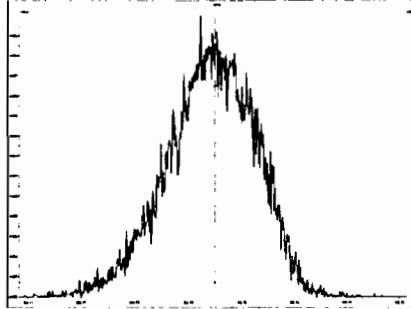
Experiment Calibration Report

MassLynx 4.1 SCN815

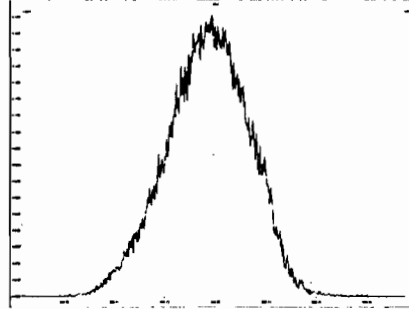
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:28:30 Pacific Daylight Time

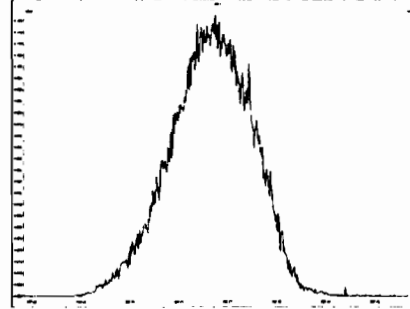
M 366.9792 R 10038



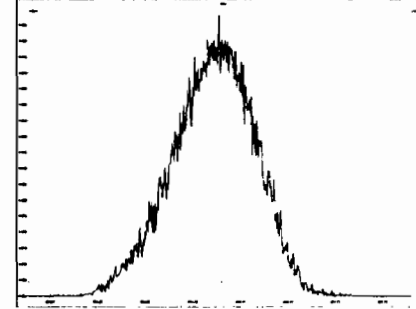
M 380.9760 R 10288



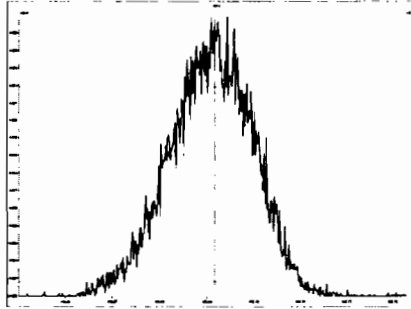
M 392.9760 R 10161



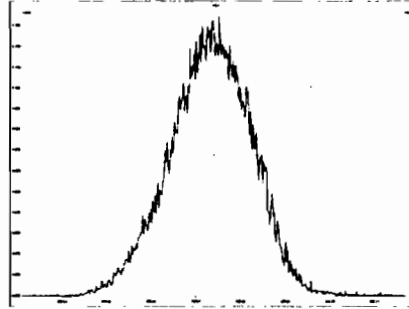
M 404.9760 R 10000



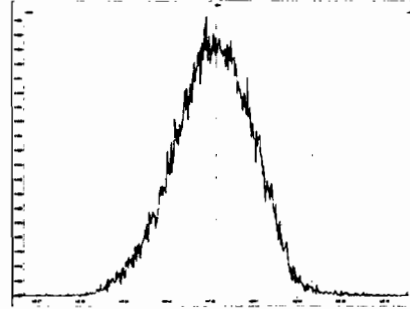
M 416.9760 R 10415



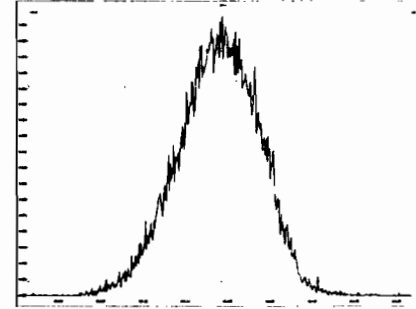
M 430.9728 R 10205



M 442.9728 R 11013



M 454.9728 R 10685



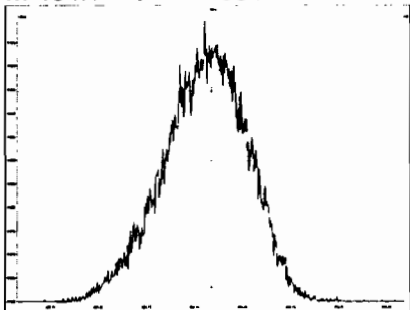
Experiment Calibration Report

MassLynx 4.1 SCN815

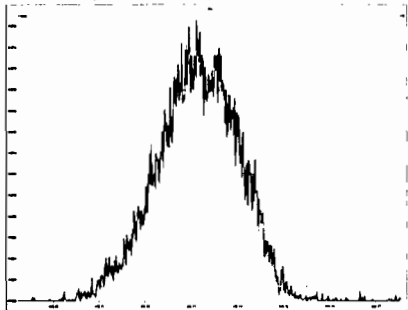
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:29:13 Pacific Daylight Time

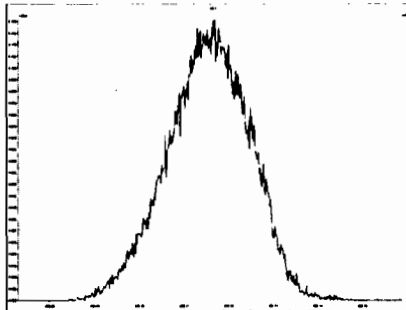
M 404.9760 R 10001



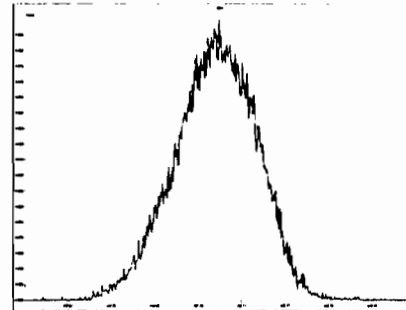
M 416.9760 R 10776



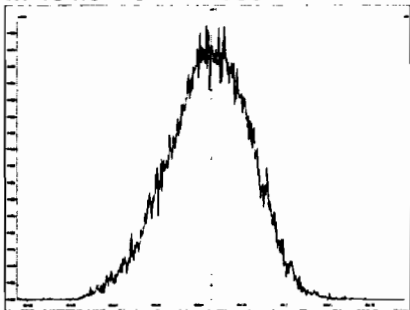
M 430.9728 R 10120



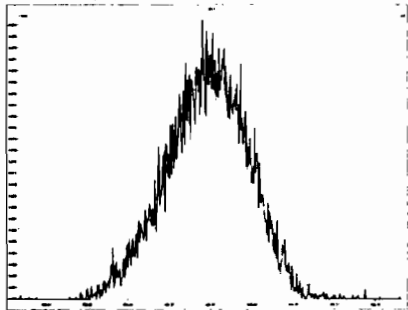
M 442.9728 R 10635



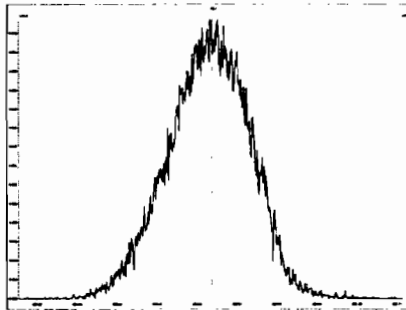
M 454.9728 R 10080



M 466.9728 R 10418



M 480.9696 R 10869



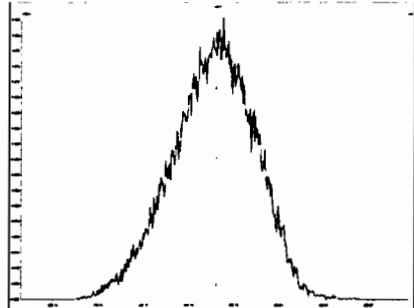
Experiment Calibration Report

MassLynx 4.1 SCN815

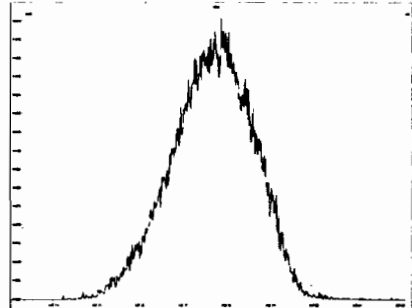
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:29:58 Pacific Daylight Time

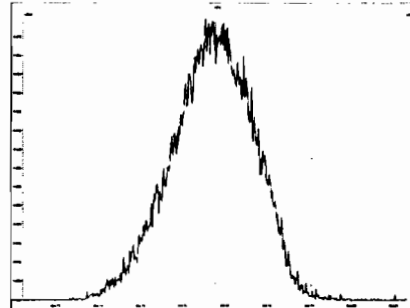
M 430.9728 R 10163



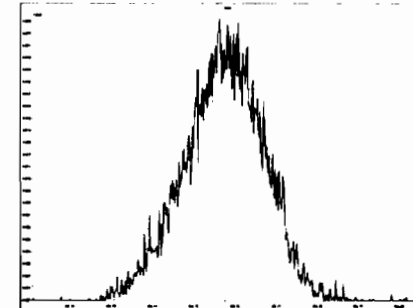
M 442.9728 R 10641



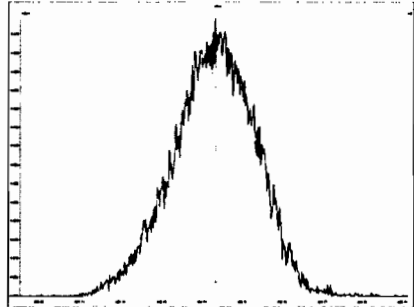
M 454.9728 R 10205



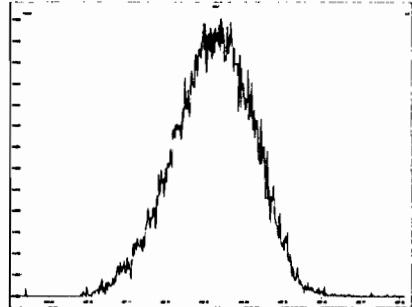
M 466.9728 R 10373



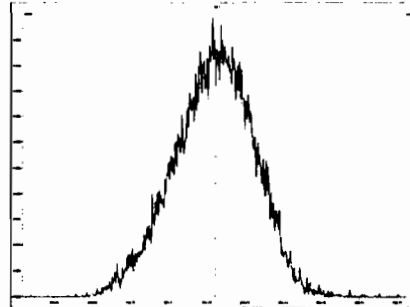
M 480.9696 R 10547



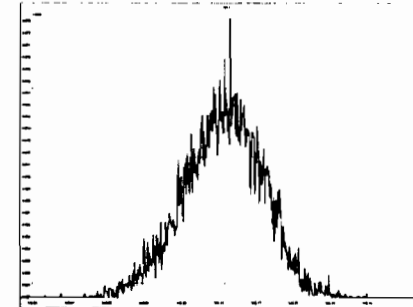
M 492.9696 R 10417



M 504.9696 R 10459



M 516.9697 R 11357



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

1
Beg. Calibration ID: ST20060721-1

Reviewed By: C7 06/09/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox"/> NA	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input type="checkbox"/> NA	
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:		
Correct ICAL referenced?	<u>Geo</u>	<u> </u>			
<u>Run Log:</u>					
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> <u>N</u>			
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> <u>(Y)</u>	<input type="checkbox"/> <u>N</u>			
- Bottle position verified?	<u>GRB</u>				

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-1.qld

Last Altered: Sunday, June 07, 2020 09:39:03 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:39:27 Pacific Daylight Time

GRB 06/07/2020

C7 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\vb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	2,3,7,8-TCDD	5.92e4	6.74e5	0.78	NO	0.888	26.47	26.45	NO	1.001	1.001	9.8933	98.9	NO
2	1,2,3,7,8-PeCDD	1.96e5	4.64e5	0.59	NO	0.908	31.44	31.44	NO	1.001	1.000	46.548	93.1	NO
3	1,2,3,4,7,8-HxCDD	1.39e5	2.84e5	1.23	NO	1.03	34.80	34.80	NO	1.000	1.000	47.415	94.8	NO
4	1,2,3,6,7,8-HxCDD	1.87e5	4.36e5	1.15	NO	0.892	34.90	34.91	NO	1.000	1.000	48.082	96.2	NO
5	1,2,3,7,8,9-HxCDD	1.35e5	3.22e5	1.23	NO	0.887	35.19	35.20	NO	1.000	1.001	47.141	94.3	NO
6	1,2,3,4,6,7,8-HpCDD	9.94e4	2.31e5	1.01	NO	0.864	38.72	38.73	NO	1.000	1.001	49.864	99.7	NO
7	OCDD	2.03e5	4.41e5	0.87	NO	0.914	41.68	41.70	NO	1.000	1.000	100.98	101	NO
8	2,3,7,8-TCDF	6.37e4	8.78e5	0.76	NO	0.751	25.57	25.56	NO	1.001	1.001	9.6613	96.6	NO
9	1,2,3,7,8-PeCDF	3.10e5	7.10e5	1.58	NO	0.893	30.16	30.14	NO	1.001	1.000	48.851	97.7	NO
10	2,3,4,7,8-PeCDF	2.98e5	6.84e5	1.54	NO	0.935	31.15	31.13	NO	1.001	1.000	46.637	93.3	NO
11	1,2,3,4,7,8-HxCDF	1.69e5	3.80e5	1.22	NO	0.884	33.92	33.93	NO	1.000	1.000	50.293	101	NO
12	1,2,3,6,7,8-HxCDF	2.33e5	4.96e5	1.22	NO	0.889	34.05	34.06	NO	1.000	1.001	52.949	106	NO
13	2,3,4,6,7,8-HxCDF	1.93e5	4.13e5	1.22	NO	0.934	34.66	34.64	NO	1.001	1.001	50.070	100	NO
14	1,2,3,7,8,9-HxCDF	1.33e5	3.11e5	1.22	NO	0.871	35.54	35.55	NO	1.000	1.000	49.319	98.6	NO
15	1,2,3,4,6,7,8-HpCDF	1.27e5	2.89e5	1.01	NO	0.873	37.34	37.32	NO	1.001	1.000	50.417	101	NO
16	1,2,3,4,7,8,9-HpCDF	9.69e4	1.91e5	0.99	NO	1.01	39.28	39.28	NO	1.000	1.000	50.167	100	NO
17	OCDF	2.29e5	5.57e5	0.86	NO	0.806	41.88	41.90	NO	1.000	1.001	102.05	102	NO
18	13C-2,3,7,8-TCDD	6.74e5	5.94e5	0.77	NO	1.16	26.46	26.44	NO	1.026	1.026	98.120	98.1	NO
19	13C-1,2,3,7,8-PeCDD	4.64e5	5.94e5	0.61	NO	0.849	31.64	31.42	NO	1.227	1.219	92.056	92.1	NO
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.18e5	1.27	NO	0.779	34.80	34.79	NO	1.014	1.014	87.078	87.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.36e5	4.18e5	1.24	NO	1.02	34.91	34.90	NO	1.017	1.017	102.40	102	NO
22	13C-1,2,3,7,8,9-HxCDD	3.22e5	4.18e5	1.22	NO	0.903	35.18	35.18	NO	1.025	1.025	85.196	85.2	NO
23	13C-1,2,3,4,6,7,8-HpCDD	2.31e5	4.18e5	1.02	NO	0.889	38.70	38.71	NO	1.128	1.128	80.060	80.1	NO
24	13C-OCDD	4.41e5	4.18e5	0.92	NO	0.852	41.72	41.68	NO	1.216	1.215	161.62	80.8	NO
25	13C-2,3,7,8-TCDF	8.78e5	8.66e5	0.77	NO	1.06	25.50	25.54	NO	0.989	0.991	95.788	95.8	NO
26	13C-1,2,3,7,8-PeCDF	7.10e5	8.66e5	1.52	NO	0.838	30.02	30.14	NO	1.165	1.169	97.896	97.9	NO
27	13C-2,3,4,7,8-PeCDF	6.84e5	8.66e5	1.54	NO	0.817	30.97	31.11	NO	1.202	1.207	96.778	96.8	NO
28	13C-1,2,3,4,7,8-HxCDF	3.80e5	4.18e5	0.50	NO	1.01	33.93	33.92	NO	0.989	0.989	90.186	90.2	NO
29	13C-1,2,3,6,7,8-HxCDF	4.96e5	4.18e5	0.51	NO	1.17	34.05	34.04	NO	0.992	0.992	101.52	102	NO
30	13C-2,3,4,6,7,8-HxCDF	4.13e5	4.18e5	0.50	NO	1.02	34.63	34.62	NO	1.009	1.009	96.479	96.5	NO
31	13C-1,2,3,7,8,9-HxCDF	3.11e5	4.18e5	0.50	NO	0.860	35.53	35.54	NO	1.035	1.036	86.347	86.3	NO

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-1.qld

Last Altered: Sunday, June 07, 2020 09:39:03 Pacific Daylight Time

Printed: Sunday, June 07, 2020 09:39:27 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

32	13C-1,2,3,4,6,7,8-HpCDF	2.89e5	4.18e5	0.44	NO	0.774	37.27	37.31	NO	1.086	1.087	89.226	89.2	NO
33	13C-1,2,3,4,7,8,9-HpCDF	1.91e5	4.18e5	0.42	NO	0.521	39.30	39.28	NO	1.145	1.145	67.502	67.5	NO
34	13C-OCDF	5.57e5	4.18e5	0.87	NO	0.746	41.89	41.88	NO	1.221	1.220	178.58	89.3	NO
35	37Cl-2,3,7,8-TCDD	6.10e4	5.94e5			1.04	26.49	26.45	NO	1.028	1.028	9.9164	99.2	NO
36	13C-1,2,3,4-TCDD	5.94e5	5.94e5	0.80	NO	1.00	25.89	25.78	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	8.66e5	8.66e5	0.78	NO	1.00	24.36	24.09	NO	1.000	1.000	100.00	100	YES <i>of</i>
38	13C-1,2,3,4,6,9-HxCDF	4.18e5	4.18e5	0.50	NO	1.00	34.42	34.31	NO	1.000	1.000	100.00	100	YES <i>of</i>

Dataset: Untitled

Last Altered: Monday, June 08, 2020 07:18:52 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:19:25 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

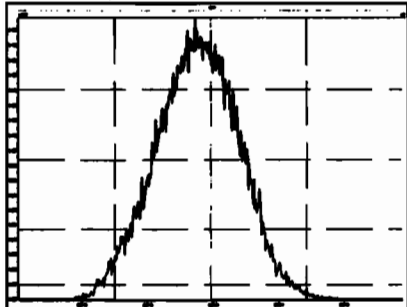
Compound name: 2,3,7,8-TCDD

200607R1_1	ST200607R1_1 1613 CS3 19L2305	07-Jun-20	08:40:46
200607R1_2	SOLVENT BLANK	07-Jun-20	09:29:25
200607R1_3	2001005-01 PDI-164SC-A-00-01-200426 10.86	07-Jun-20	10:15:40
200607R1_4	B0E0107-DUP1 Duplicate 10.86	07-Jun-20	11:01:51
200607R1_5	2001005-02 PDI-164SC-A-01-02-200426 11.03	07-Jun-20	11:48:04
200607R1_6	2001005-03 PDI-164SC-A-02-03-200426 11.1	07-Jun-20	12:34:16
200607R1_7	2001005-04 PDI-164SC-A-03-04-200426 11.6	07-Jun-20	13:20:26
200607R1_8	2001005-05 PDI-164SC-A-04-05-200426 11.6	07-Jun-20	14:06:38
200607R1_9	2001005-06 PDI-164SC-A-05-06-200426 10.95	07-Jun-20	14:52:50
200607R1_10	2001005-07 PDI-164SC-A-06-07-200426 11.24	07-Jun-20	15:39:00
200607R1_11	2001005-08 PDI-164SC-A-07-08-200426 13.9	07-Jun-20	16:25:14
200607R1_12	2001007-01 PDI-058SC-A-08-09-200505 16.85	07-Jun-20	17:11:26
200607R1_13	2001007-02 PDI-058SC-A-09-10-200505 16.58	07-Jun-20	17:57:37
200607R1_14	B0E0107-DUP2 Duplicate 16.48	07-Jun-20	18:43:49
200607R1_15	2001007-03 PDI-058SC-A-10-10.9-200505 16....	07-Jun-20	19:30:01
200607R1_16	2001007-04 PDI-058SC-B-00-02-200505 13.46	07-Jun-20	20:16:12

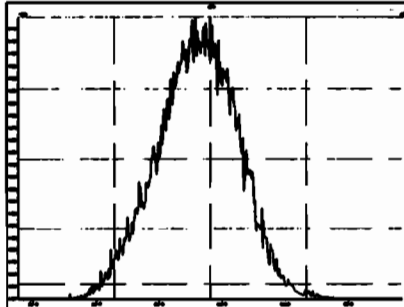
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Sunday, June 07, 2020 08:35:49 Pacific Daylight Time

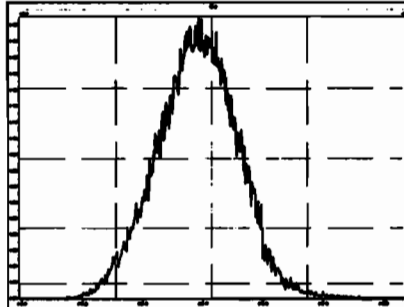
M 292.9824 R 10167



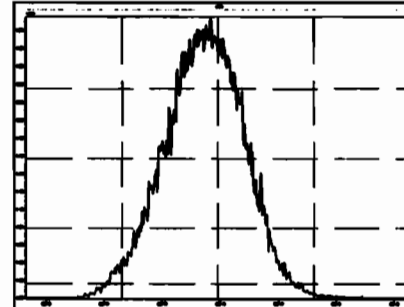
M 304.9824 R 10506



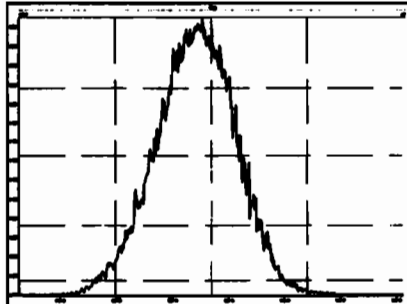
M 318.9792 R 10373



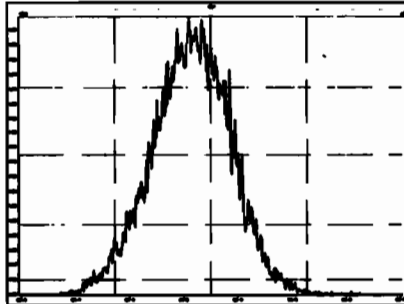
M 330.9792 R 10202



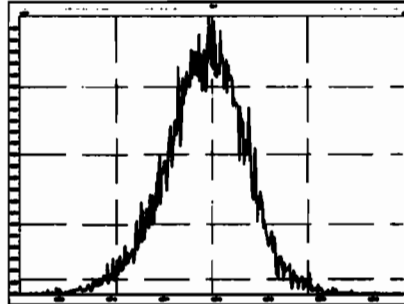
M 342.9792 R 10288



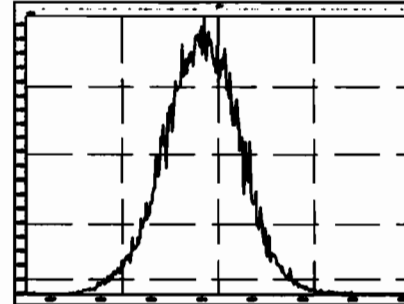
M 354.9792 R 10826



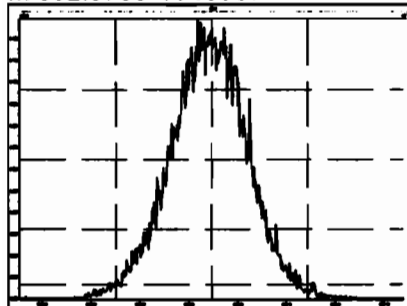
M 366.9792 R 11014



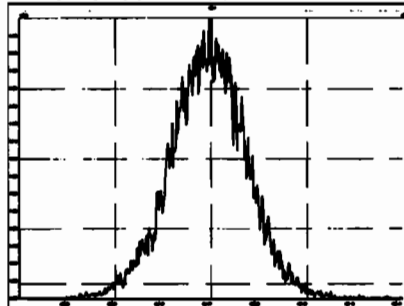
M 380.9760 R 10287



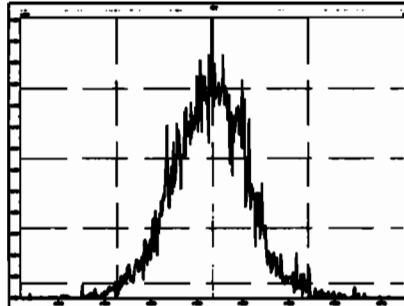
M 392.9760 R 10967



M 404.9760 R 10917

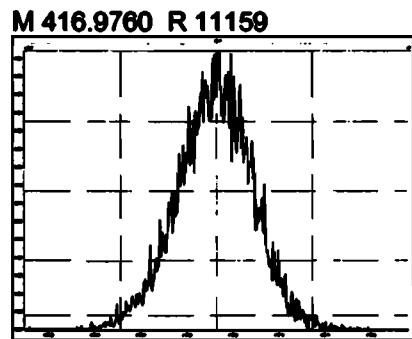
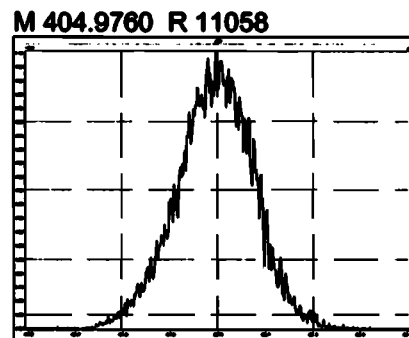
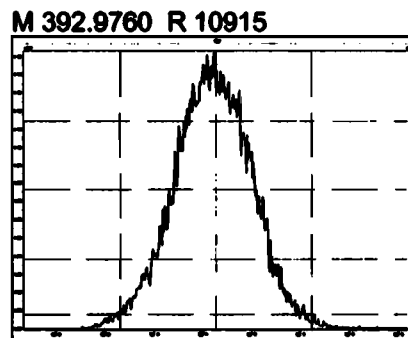
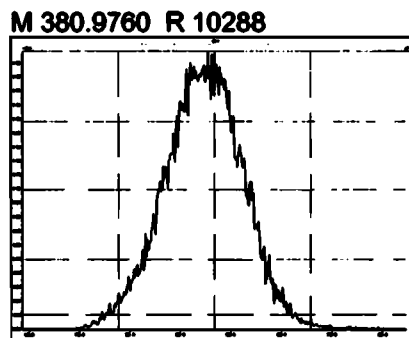
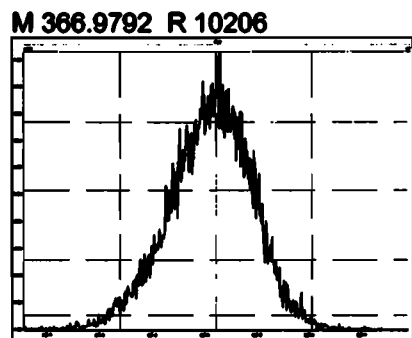
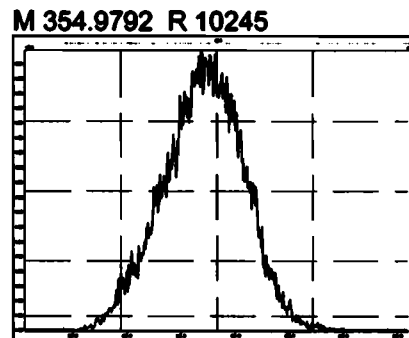
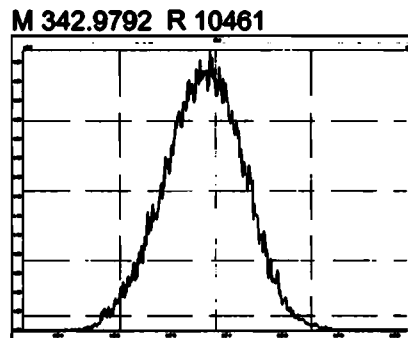
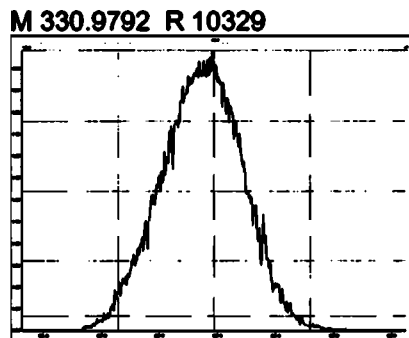
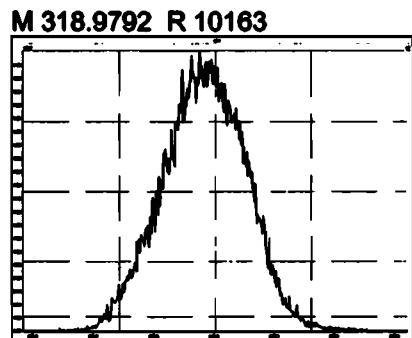


M 416.9760 R 11060



File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

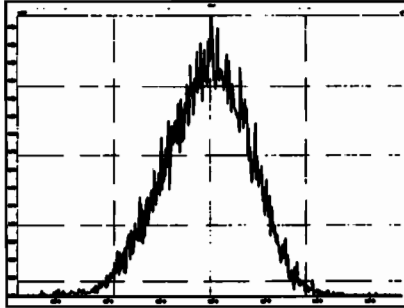
Printed: Sunday, June 07, 2020 08:36:28 Pacific Daylight Time



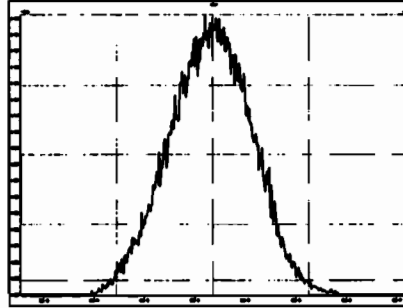
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Sunday, June 07, 2020 08:37:56 Pacific Daylight Time

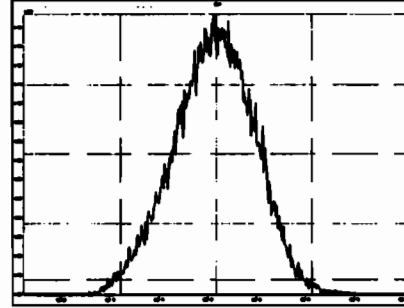
M 366.9792 R 10328



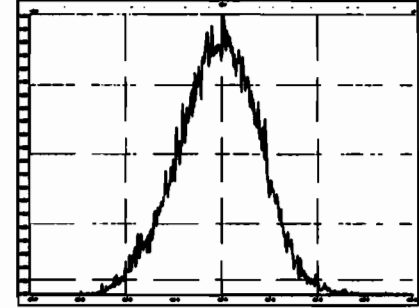
M 380.9760 R 10040



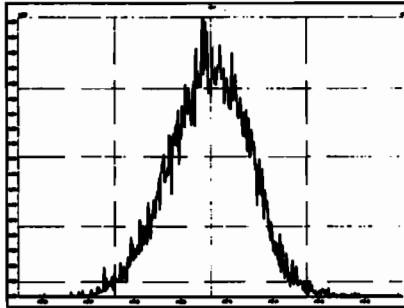
M 392.9760 R 10120



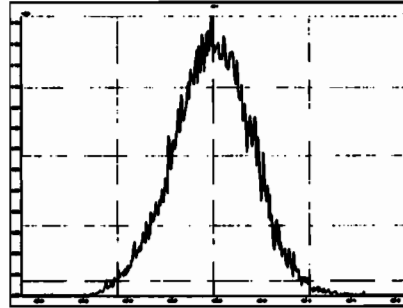
M 404.9760 R 10331



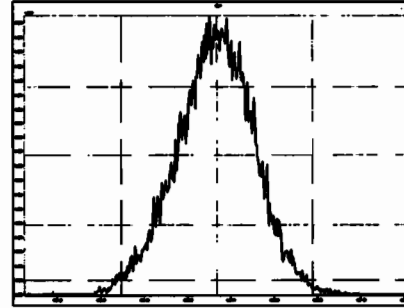
M 416.9760 R 10916



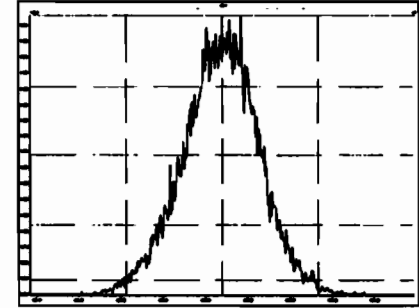
M 430.9728 R 10247



M 442.9728 R 10162



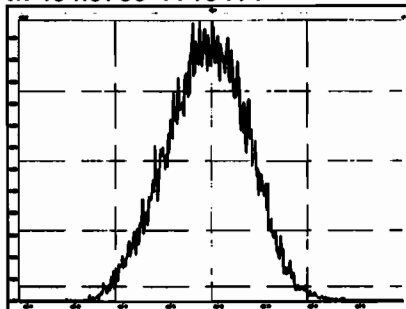
M 454.9728 R 10963



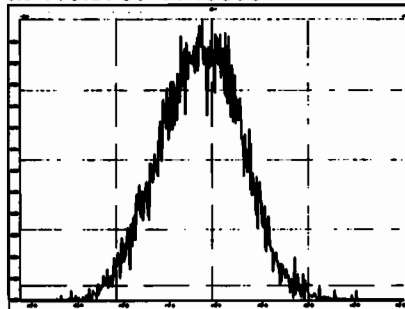
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Printed: Sunday, June 07, 2020 08:38:19 Pacific Daylight Time

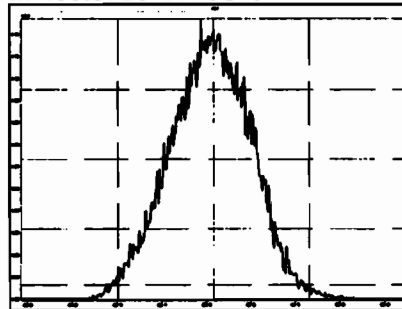
M 404.9760 R 10414



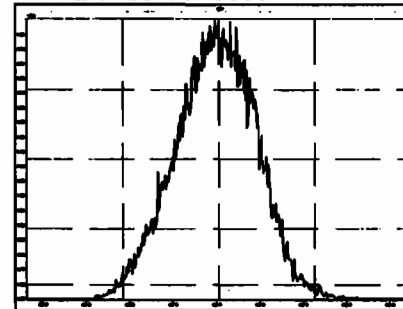
M 416.9760 R 10593



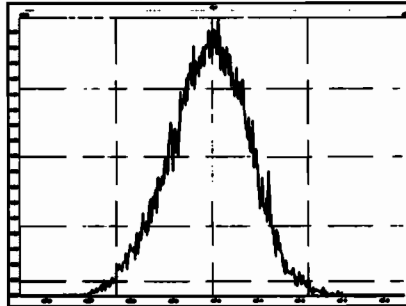
M 430.9728 R 10248



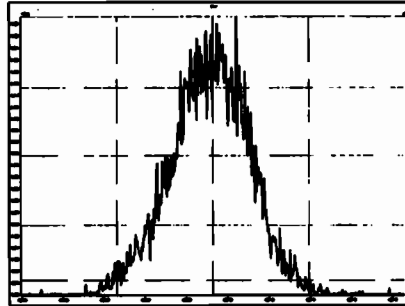
M 442.9728 R 10505



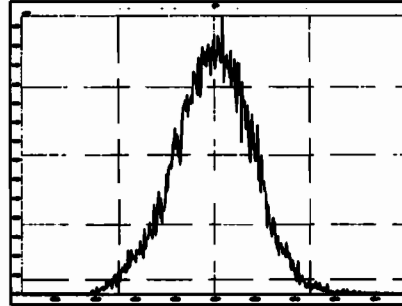
M 454.9728 R 10416



M 466.9728 R 10918



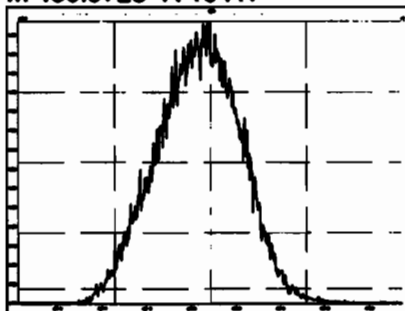
M 480.9696 R 10684



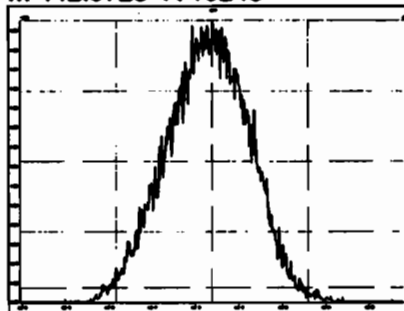
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Sunday, June 07, 2020 08:38:44 Pacific Daylight Time

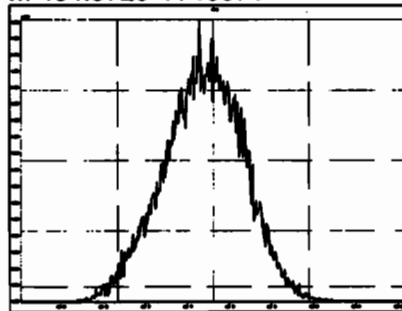
M 430.9728 R 10417



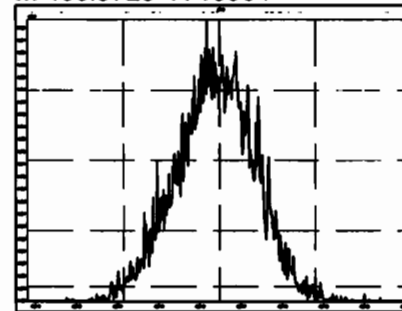
M 442.9728 R 10245



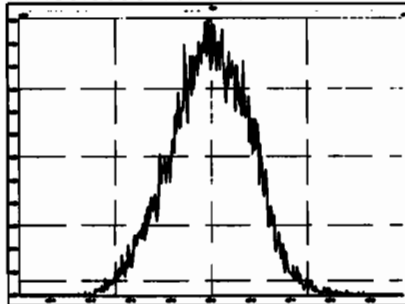
M 454.9728 R 10371



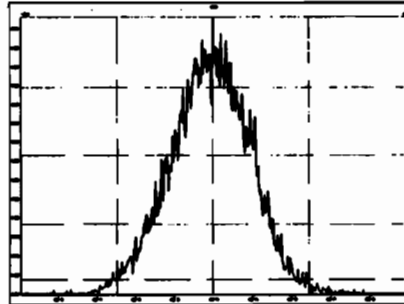
M 466.9728 R 10964



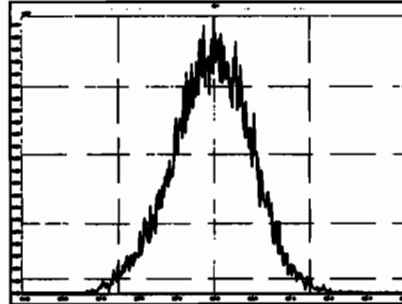
M 480.9696 R 10161



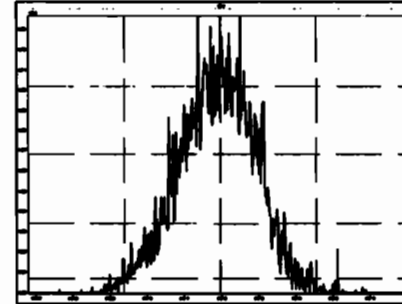
M 492.9696 R 10204



M 504.9696 R 10287



M 516.9697 R 11112



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:27:58 Pacific Daylight Time

Printed: Sunday, June 07, 2020 09:28:17 Pacific Daylight Time

Method: U:\VG12.PROMethDB\CPSM.mdb 26 May 2020 10:39:11

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	27.43
3	1,2,4,7,9-PeCDD (First)	29.21
4	1,2,3,8,9-PeCDD (Last)	31.82
5	1,2,4,6,7,9-HxCDD (First)	33.30
6	1,2,3,7,8,9-HxCDD (Last)	35.20
7	1,2,3,4,6,7,9-HpCDD (First)	37.71
8	1,2,3,4,6,7,8-HpCDD (Last)	38.73
9	1,3,6,8-TCDF (First)	20.27
10	1,2,8,9-TCDF (Last)	27.58
11	1,3,4,6,8-PeCDF (First)	27.53
12	1,2,3,8,9-PeCDF (Last)	32.06
13	1,2,3,4,6,8-HxCDF (First)	32.75
14	1,2,3,7,8,9-HxCDF (Last)	35.55
15	1,2,3,4,6,7,8-HpCDF (First)	37.32
16	1,2,3,4,7,8,9-HpCDF (Last)	39.28

Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:27:58 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:28:17 Pacific Daylight Time

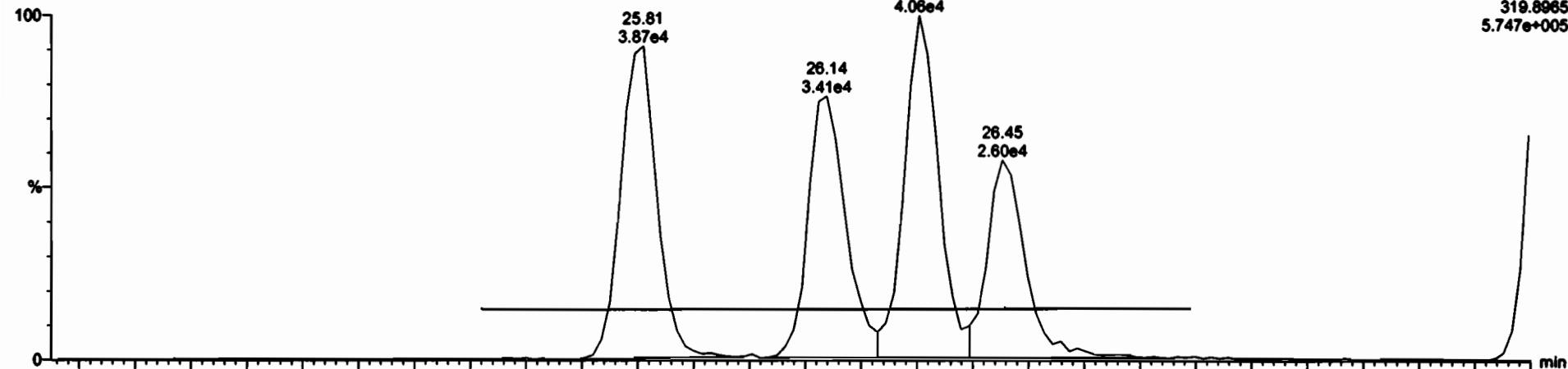
GLE 06/07/2020

Method: U:\VG12.PROMethDB\CPSM.mdb 26 May 2020 10:39:11
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

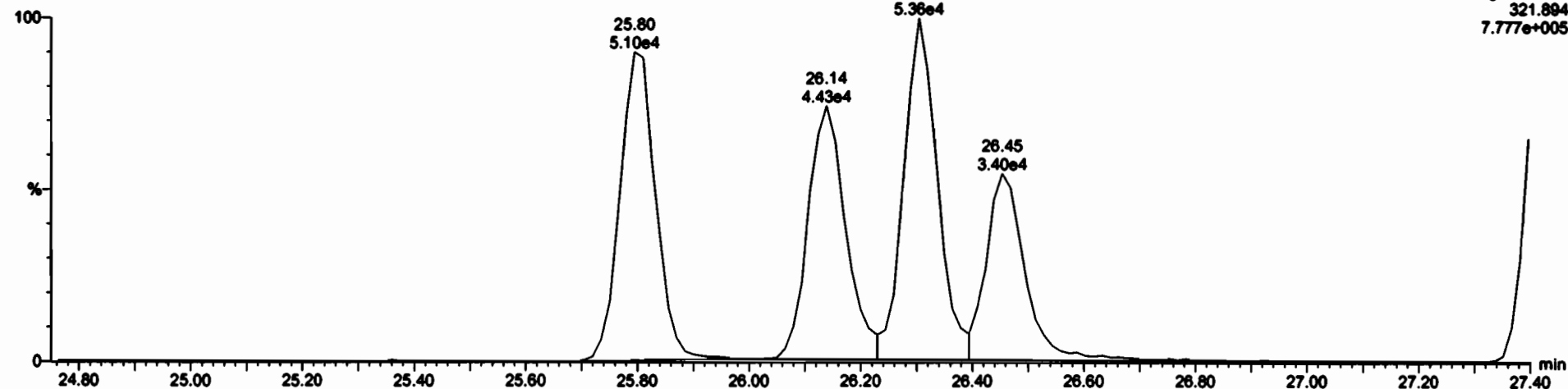
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200607R1_1



200607R1_1



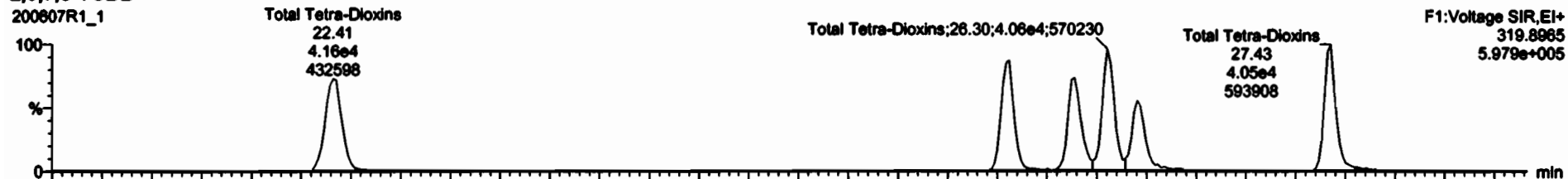
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

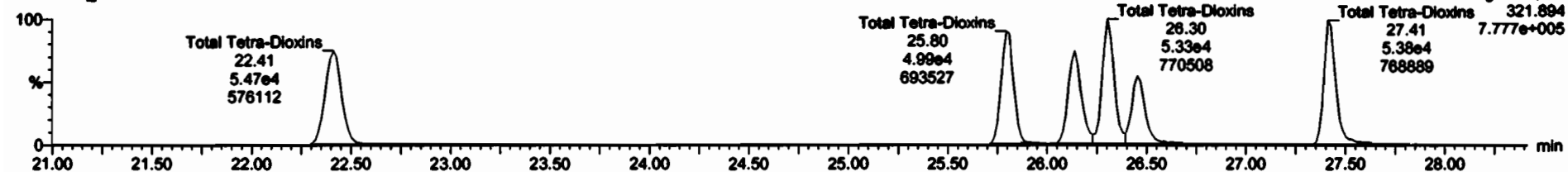
Method: U:\VG12.PROMethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

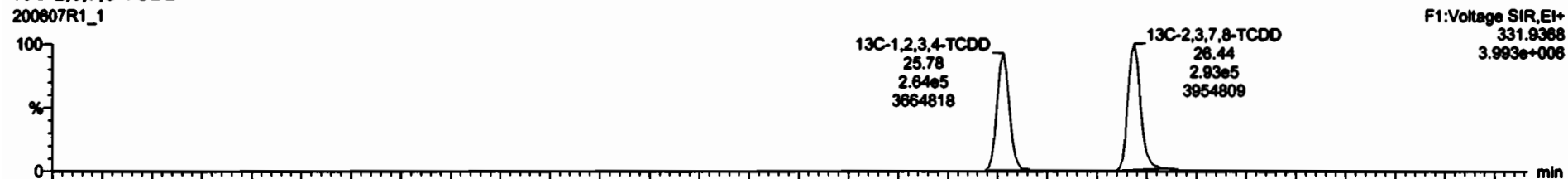
2,3,7,8-TCDD



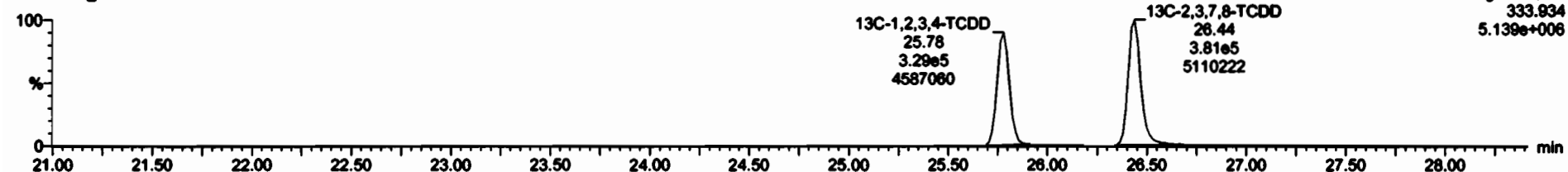
200607R1_1



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



200607R1_1

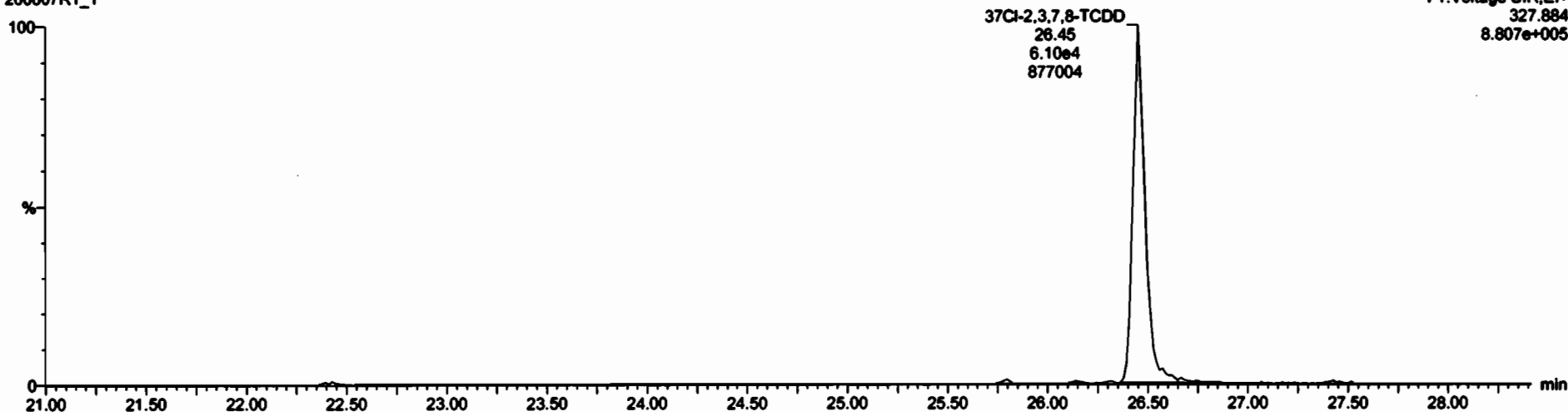


Dataset: Untitled

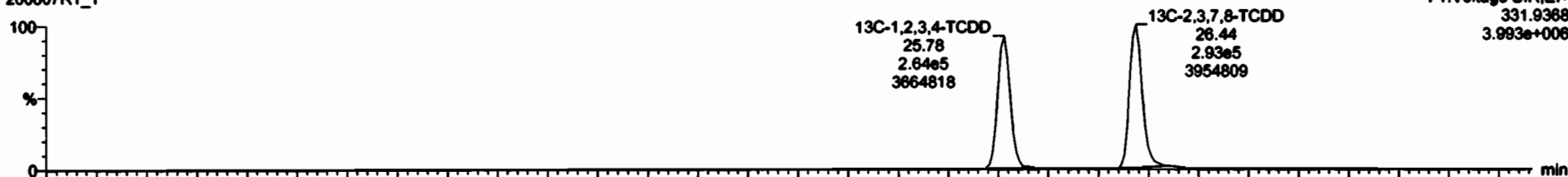
Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

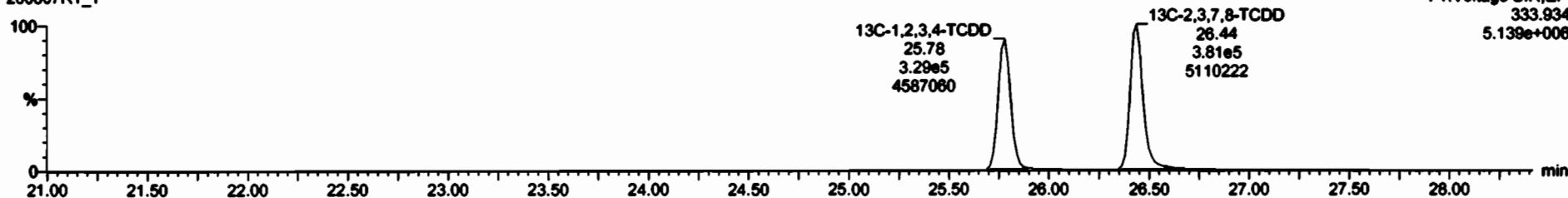
37Cl-2,3,7,8-TCDD
200607R1_1



13C-1,2,3,4-TCDD
200607R1_1



200607R1_1



Dataset: Untitled

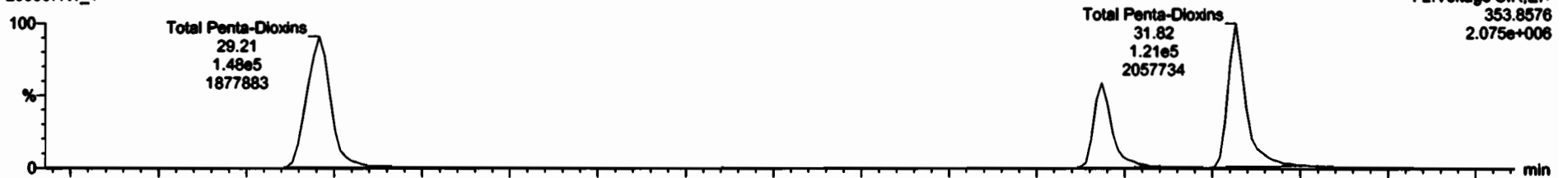
Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time

Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

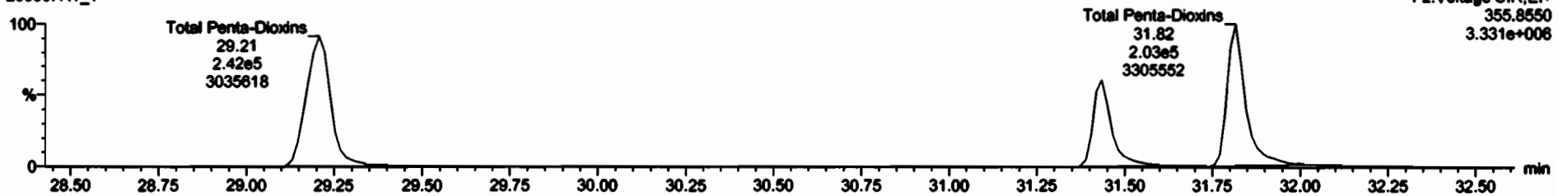
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200607R1_1

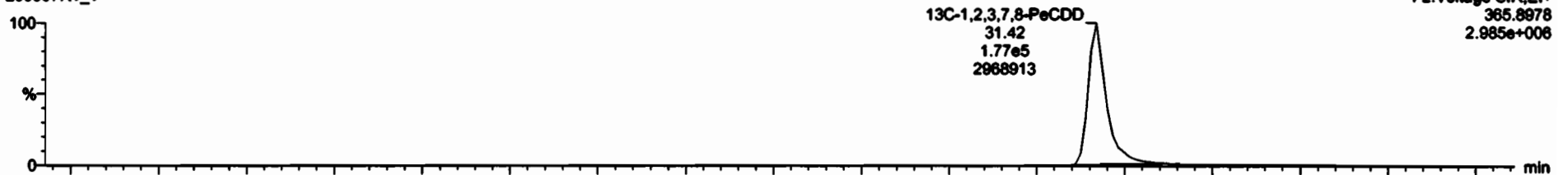


200607R1_1

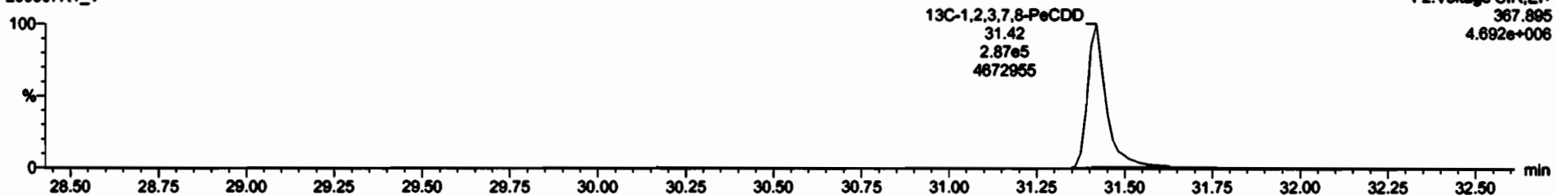


13C-1,2,3,7,8-PeCDD

200607R1_1



200607R1_1



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

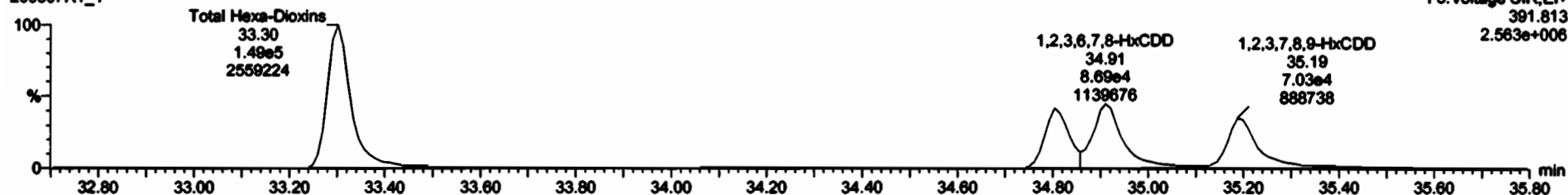
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200607R1_1

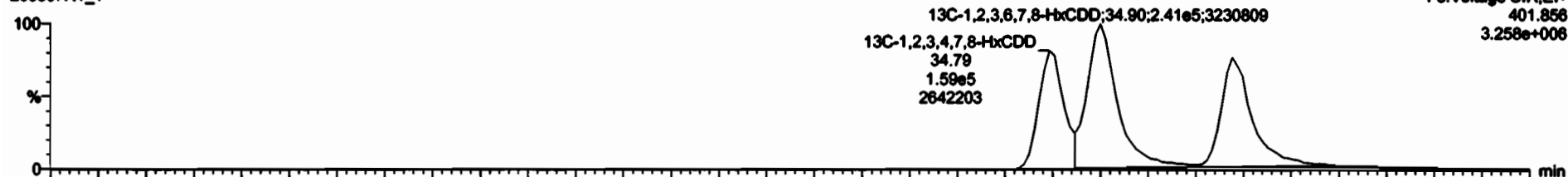


200607R1_1

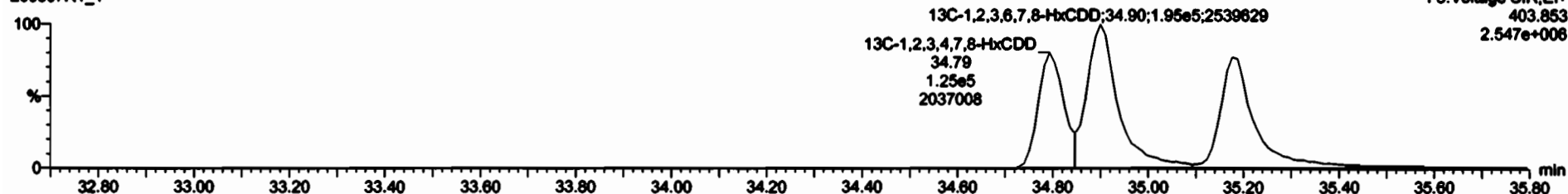


13C-1,2,3,4,7,8-HxCDD

200607R1_1



200607R1_1



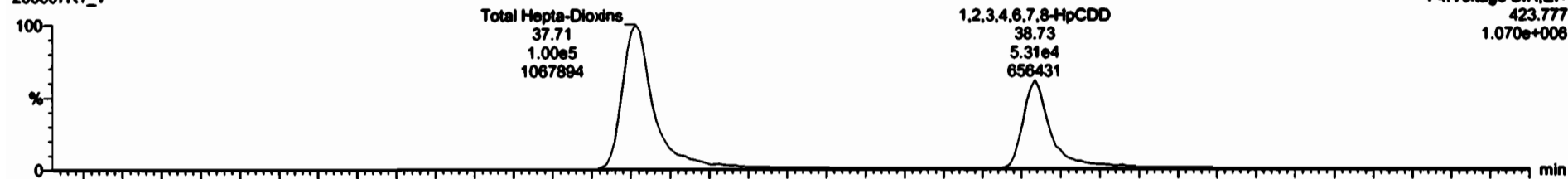
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

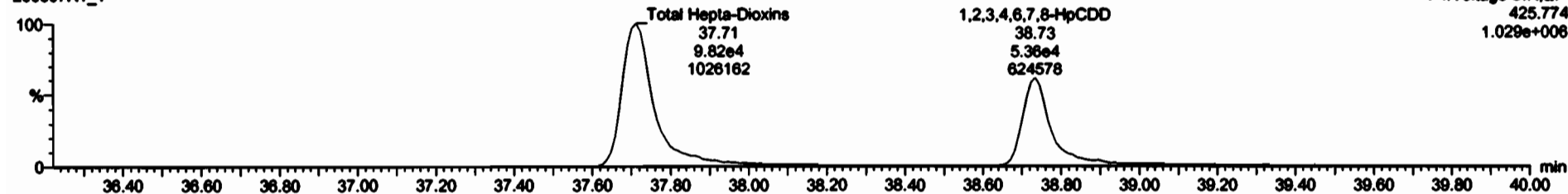
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200607R1_1



200607R1_1

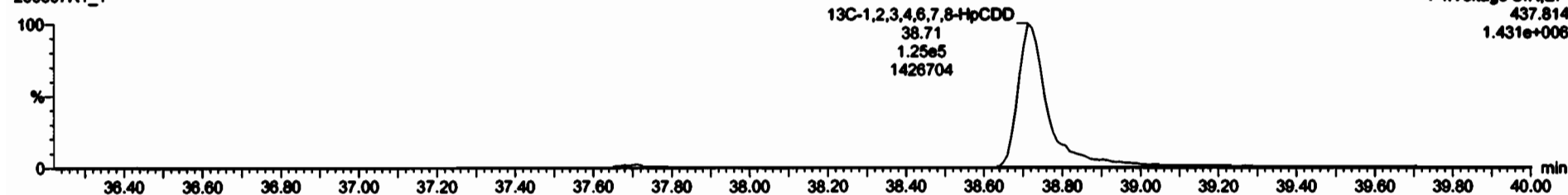


13C-1,2,3,4,6,7,8-HpCDD

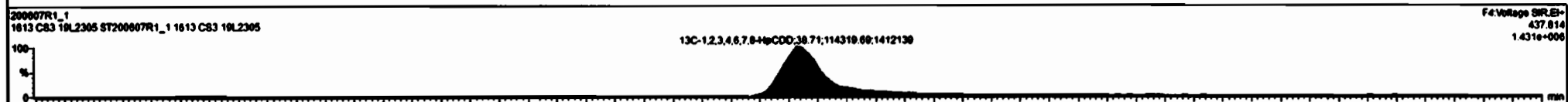
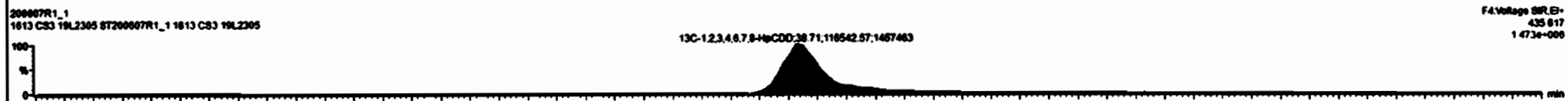
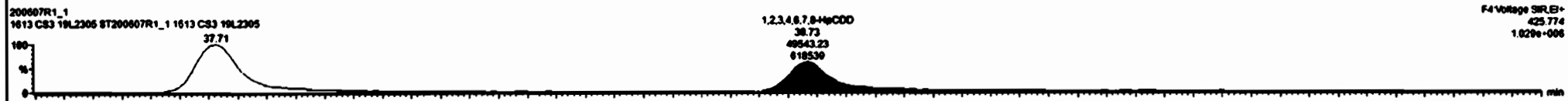
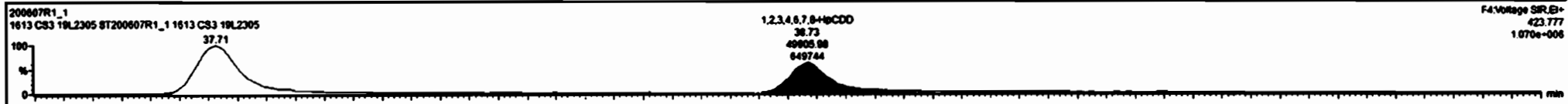
200607R1_1



200607R1_1



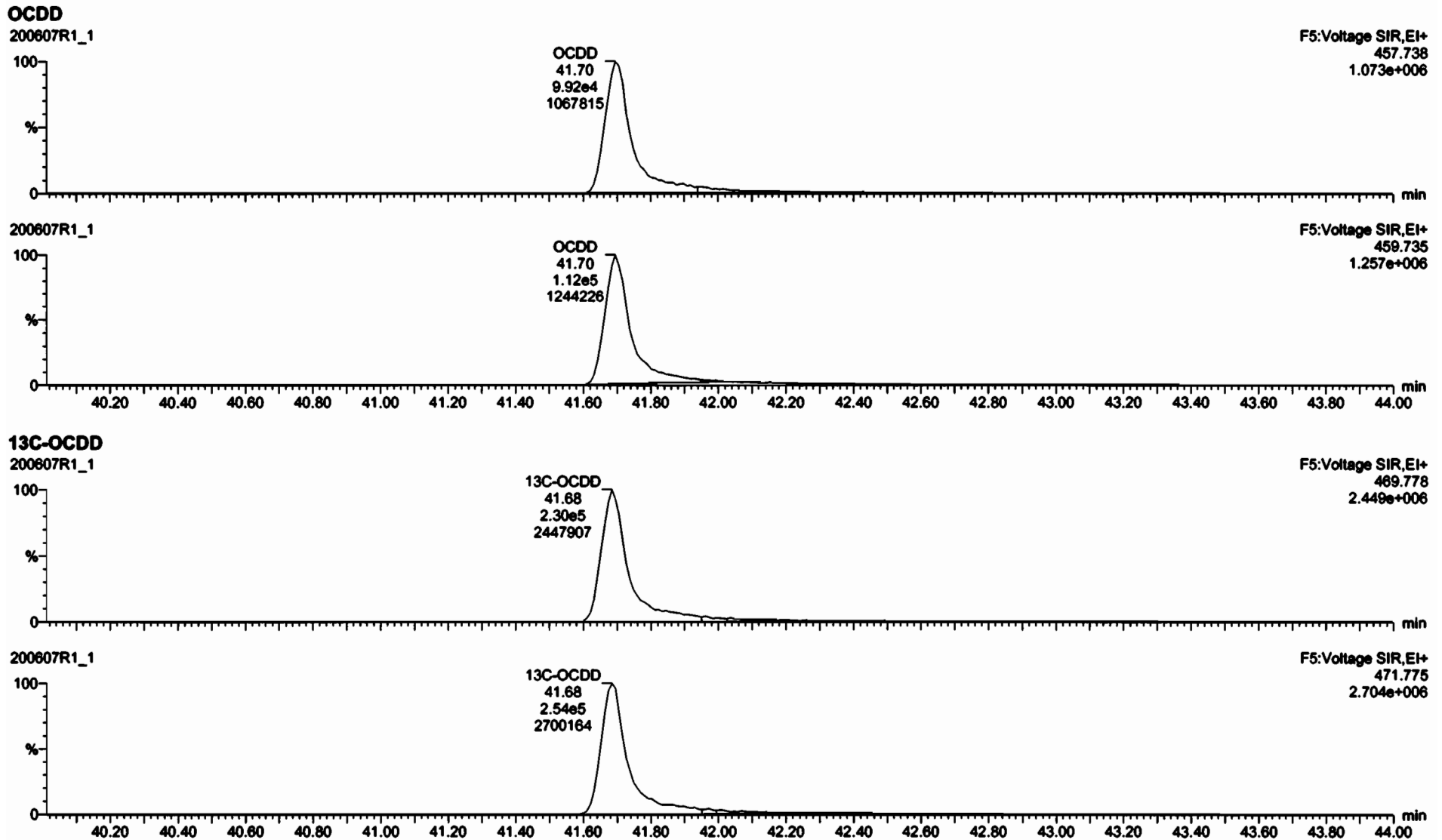
1	2,3,7,8-TCDF	8.82e4	8.74e5	0.77	0.78	NO	0.8893	38.47	38.48	NO	1.001	1.001	98.9	98.9	NO
2	1,2,3,7,8-PeCDD	1.99e5	4.84e5	0.63	0.59	NO	0.9091	31.44	31.44	NO	1.001	1.000	48.5	48.1	NO
3	1,2,3,4,7,8-HxCDD	1.38e5	2.84e5	1.24	1.23	NO	1.0334	34.89	34.89	NO	1.000	1.000	47.4	44.9	NO
4	1,2,3,6,7,8-HxCDD	1.07e5	4.38e5	1.24	1.15	NO	0.8823	34.89	34.91	NO	1.000	1.000	48.1	48.2	NO
5	1,2,3,7,8,9-HxCDD	1.38e5	3.69e5	1.24	1.23	NO	0.8899	36.19	36.29	NO	1.000	1.001	48.1	48.2	NO
7	OCDF	2.11e5	4.84e5	0.89	0.89	NO	0.9138	41.68	41.78	NO	1.000	1.000	95.2	95.2	NO
8	2,3,7,8-TCDF	8.37e4	8.78e5	0.77	0.78	NO	0.7519	25.57	25.58	NO	1.001	1.001	98.9	98.8	NO
9	1,2,3,7,8-PeCDF	3.19e5	7.18e5	1.56	1.58	NO	0.8825	38.16	38.14	NO	1.001	1.000	48.9	47.7	NO
10	2,3,4,7,8-PeCDF	2.89e5	8.84e5	1.56	1.54	NO	0.9349	31.16	31.13	NO	1.001	1.000	48.6	48.3	NO
11	1,2,3,4,7,8-HxCDF	1.89e5	3.89e5	1.24	1.22	NO	0.8945	33.82	33.80	NO	1.000	1.000	50.3	49.1	NO
12	1,2,3,6,7,8-HxCDF	2.33e5	4.98e5	1.24	1.22	NO	0.8892	34.65	34.68	NO	1.000	1.001	52.9	48.5	NO
13	2,3,4,6,7,8-HxCDF	2.91e5	4.19e5	1.24	1.23	NO	0.9341	34.88	34.84	NO	1.001	1.001	51.2	48.2	NO
14	1,2,3,7,8,9-HxCDF	1.44e5	3.27e5	1.24	1.29	NO	0.8787	36.54	36.56	NO	1.000	1.000	48.5	49.1	NO
15	1,2,3,4,6,7,8-HpCDF	1.34e5	2.97e5	1.04	1.03	NO	0.8734	37.34	37.32	NO	1.001	1.000	51.6	48.3	NO
16	1,2,3,4,7,8,9-HpCDF	8.99e4	1.91e5	1.04	0.86	NO	1.0128	38.28	38.28	NO	1.000	1.000	51.2	48.2	NO
17	OCDF	2.59e5	8.89e5	0.89	0.86	NO	0.8895	41.88	41.90	NO	1.000	1.001	49.1	49.1	NO
18	13C-2,3,7,8-TCDD	0.74e5	5.94e5	0.77	0.77	NO	1.1983	38.48	38.44	NO	1.028	1.028	98.1	98.1	NO
19	13C-1,2,3,7,8-PeCDD	4.84e5	8.94e5	0.63	0.61	NO	0.8489	31.64	31.42	NO	1.227	1.219	42.1	42.1	NO
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.19e5	1.24	1.27	NO	0.7788	34.89	34.79	NO	1.014	1.014	47.1	47.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.38e5	4.19e5	1.24	1.24	NO	1.0187	34.91	34.90	NO	1.017	1.017	48.2	48.2	NO

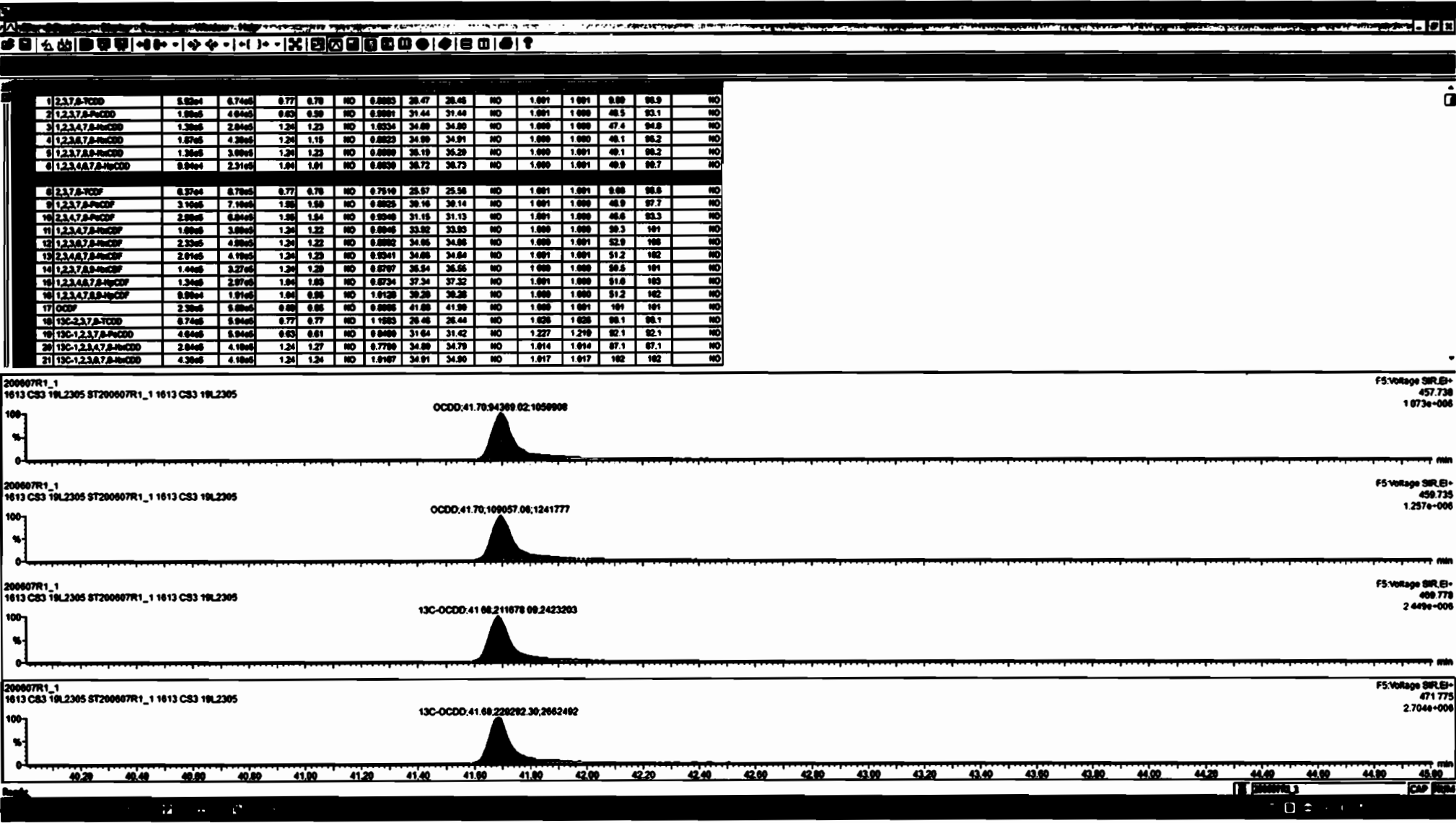


Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



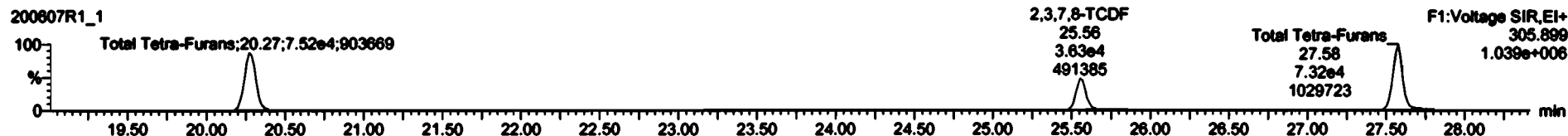


Dataset: Untitled

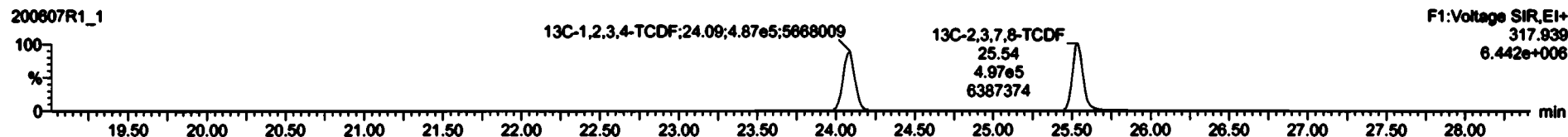
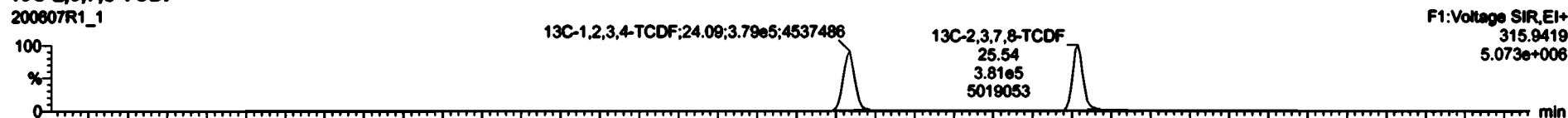
Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

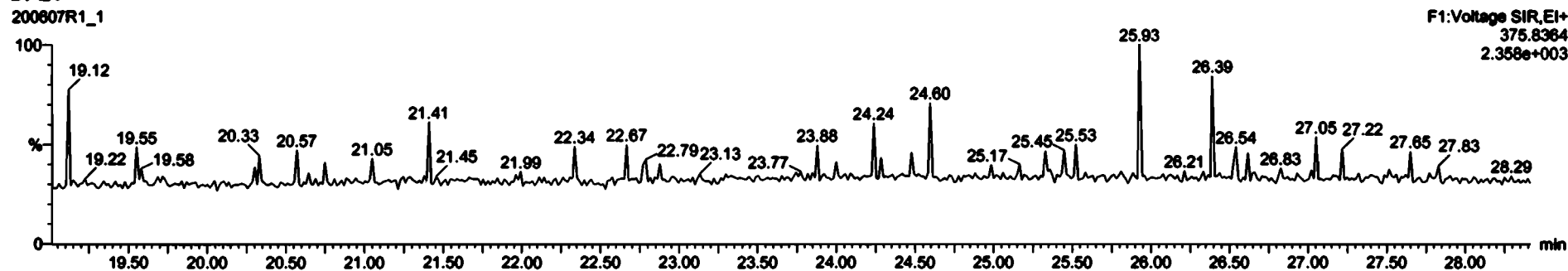
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time

Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

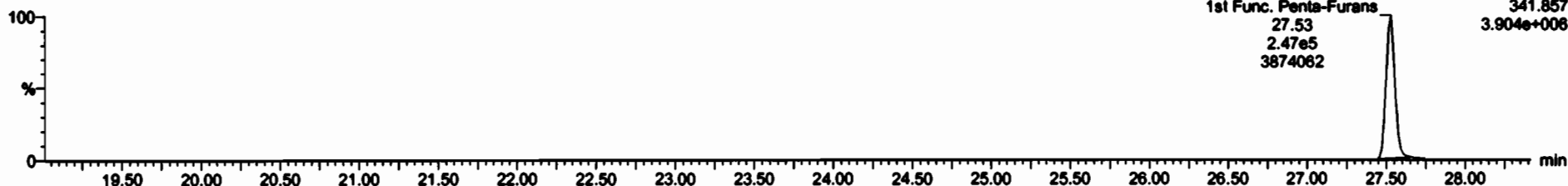
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1st Func. Penta-Furans

200607R1_1

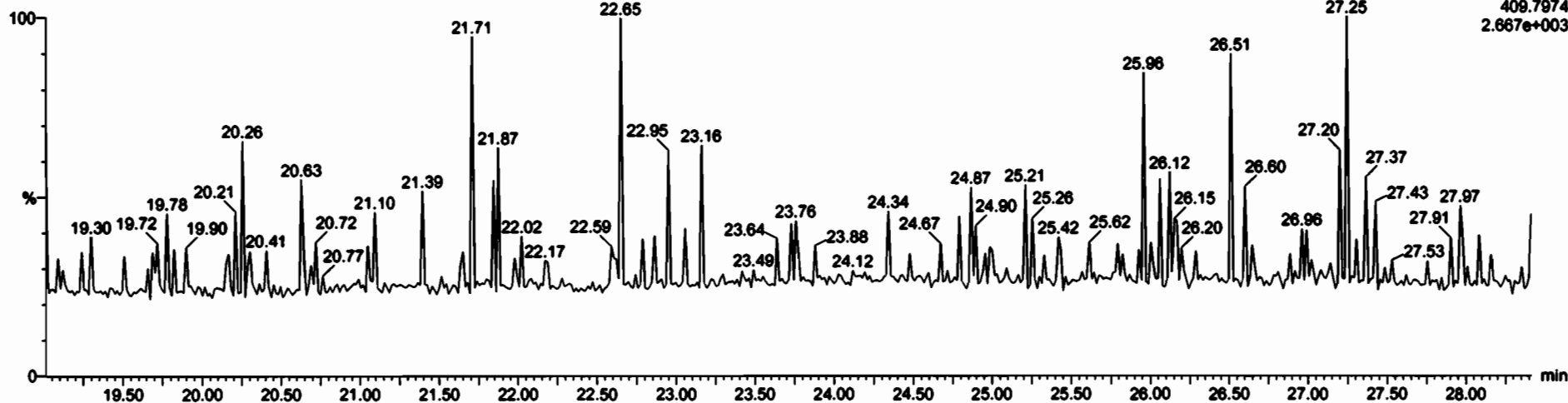


200607R1_1



DPE6

200607R1_1



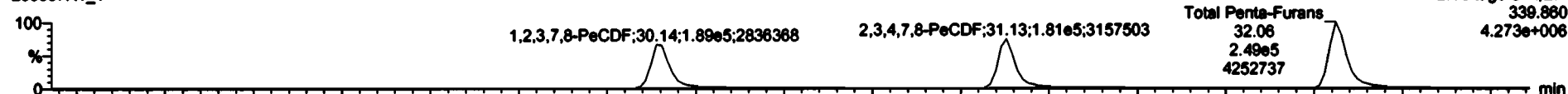
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

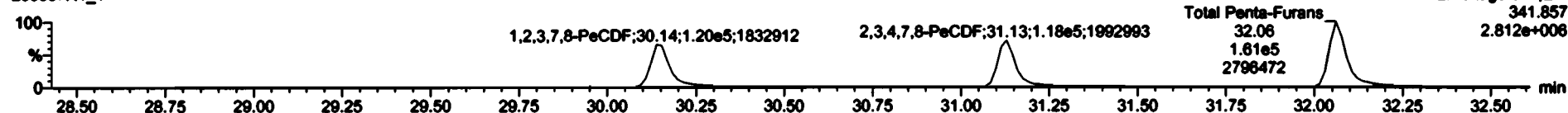
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDF

200607R1_1

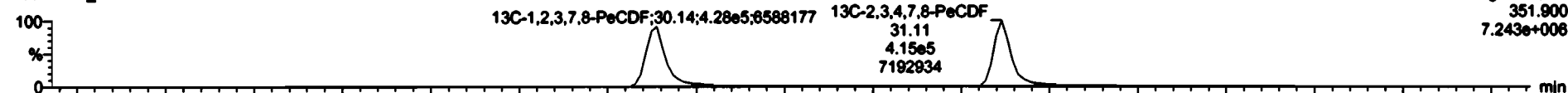


200607R1_1

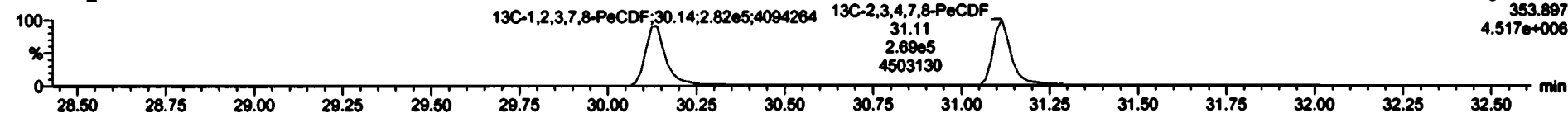


13C-1,2,3,7,8-PeCDF

200607R1_1

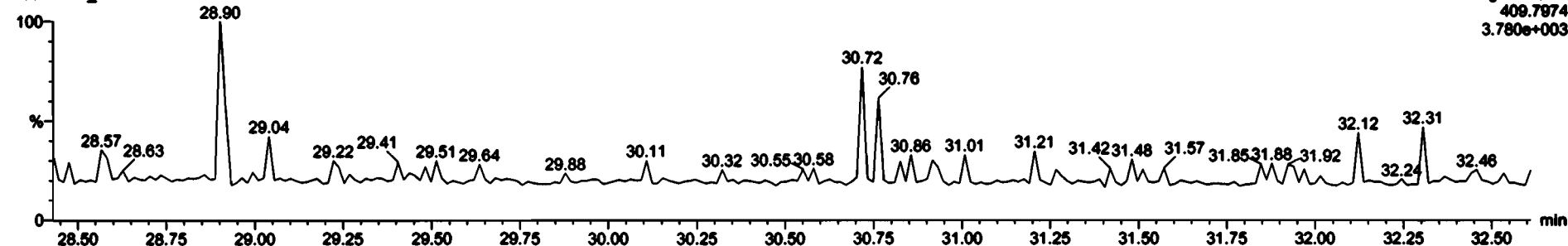


200607R1_1



DPE2

200607R1_1

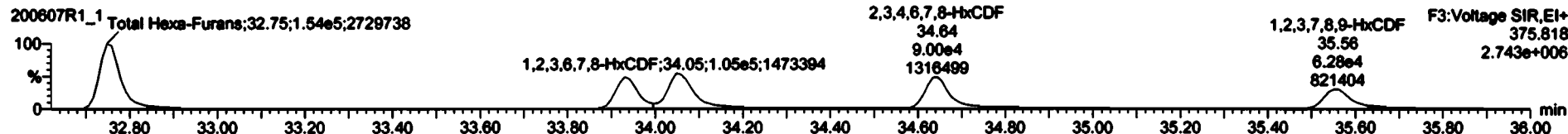
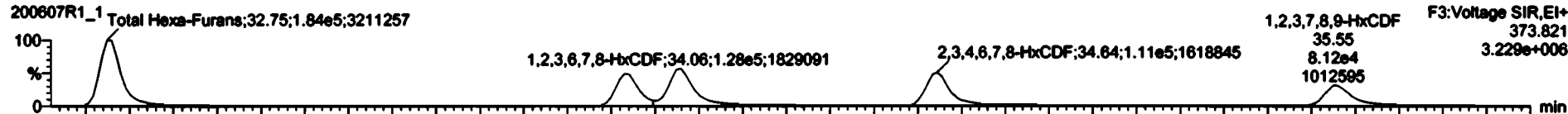


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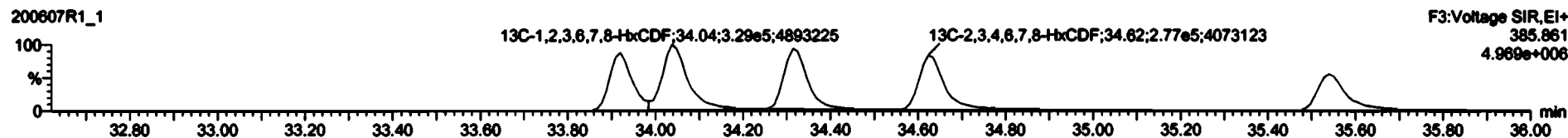
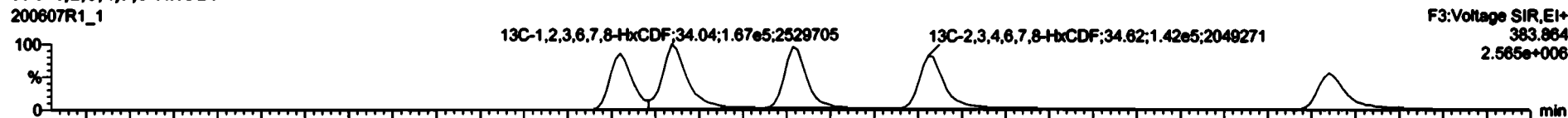
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Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

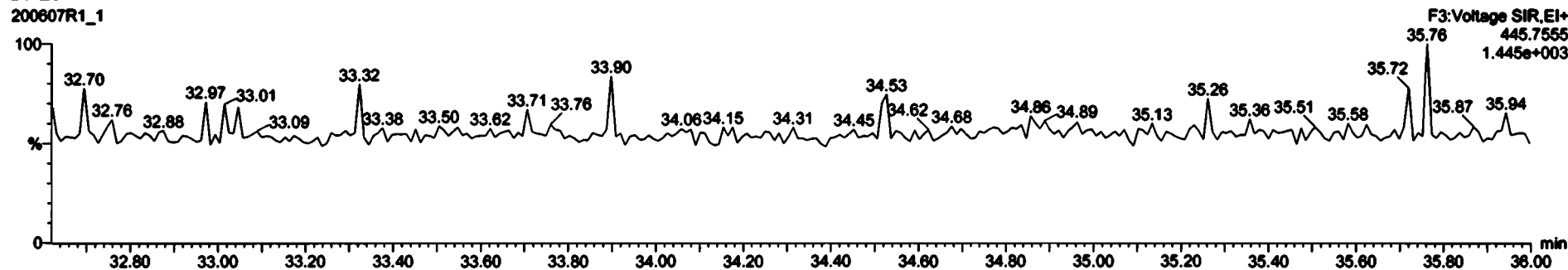
1,2,3,4,7,8-HxCDF



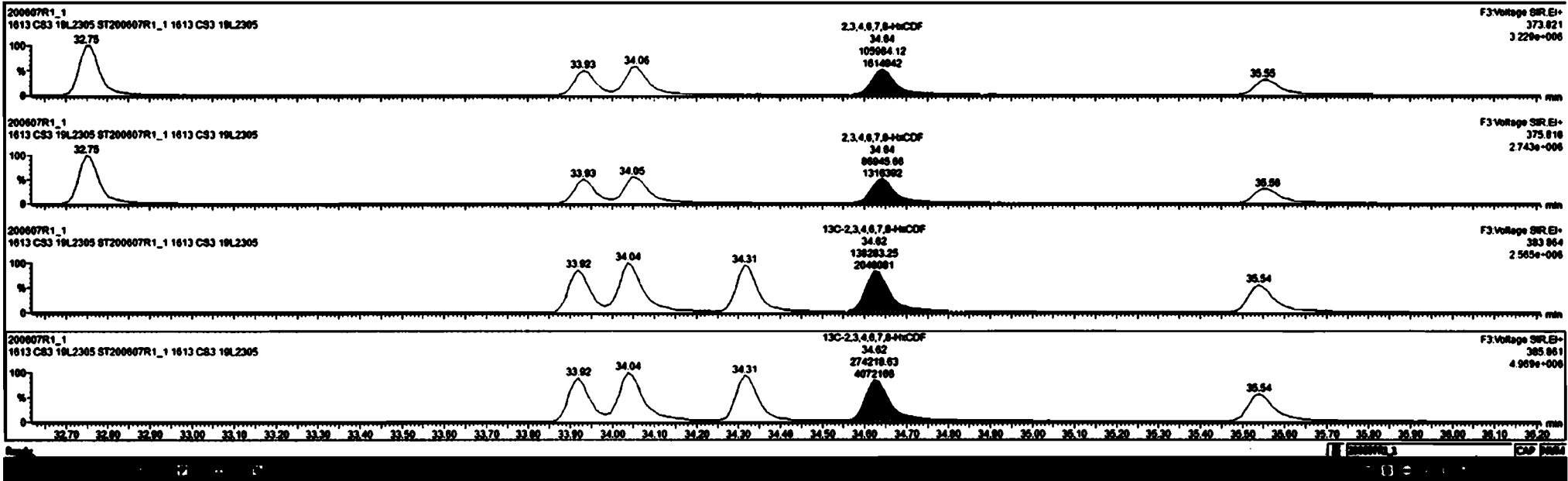
13C-1,2,3,4,7,8-HxCDF



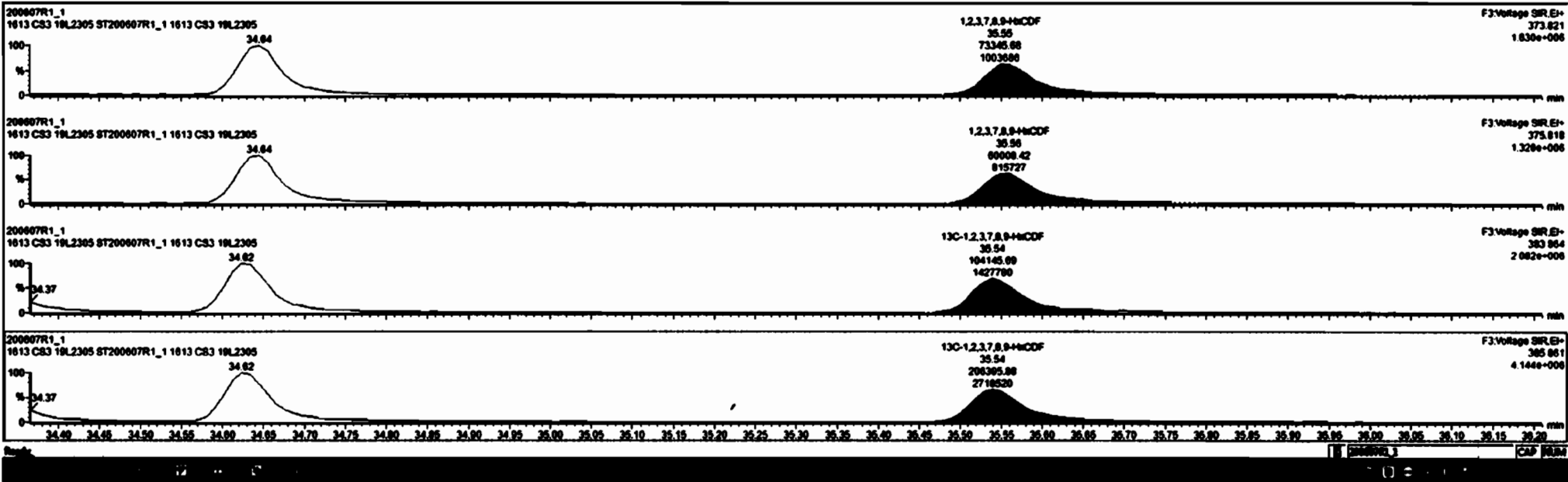
DPE3



1	2,3,7,8-TCDF	5.92e4	6.74e5	0.77	0.70	ND	0.8823	28.47	28.46	ND	1.001	1.001	9.89	98.9	ND
2	1,2,3,7,8-PeCDD	1.99e5	4.84e5	0.63	0.59	ND	0.9901	31.44	31.44	ND	1.001	1.000	48.1	48.1	ND
3	1,2,3,4,7,8-HxCDD	1.39e5	2.89e5	1.24	1.23	ND	1.8334	34.89	34.89	ND	1.000	1.000	47.4	47.4	ND
4	1,2,3,6,7,8-HxCDD	1.87e5	4.38e5	1.24	1.15	ND	0.8823	34.89	34.91	ND	1.000	1.000	48.1	48.2	ND
5	1,2,3,7,8-PeCDF	1.26e5	3.09e5	1.24	1.23	ND	0.8899	36.19	36.20	ND	1.000	1.001	49.1	49.2	ND
6	1,2,3,4,6,7,8-HpCDD	8.94e4	2.31e5	1.04	1.01	ND	0.8839	38.72	38.73	ND	1.000	1.001	49.9	49.7	ND
7	OCDD	2.63e5	4.41e5	0.89	0.87	ND	0.9138	41.88	41.79	ND	1.000	1.000	101	101	ND
8	2,3,7,8-TCDF	6.37e4	6.79e5	0.77	0.70	ND	0.7910	25.57	25.58	ND	1.001	1.001	9.89	98.9	ND
9	1,2,3,7,8-PeCDF	3.19e5	7.19e5	1.58	1.50	ND	0.8828	39.18	39.14	ND	1.001	1.000	49.9	49.7	ND
10	2,3,4,7,8-PeCDF	2.99e5	6.94e5	1.58	1.54	ND	0.9348	31.75	31.13	ND	1.001	1.000	48.6	48.3	ND
11	1,2,3,4,7,8-HxCDF	1.89e5	3.89e5	1.24	1.22	ND	0.8845	33.82	33.83	ND	1.000	1.000	50.3	50.1	ND
12	1,2,3,6,7,8-HxCDF	2.33e5	4.99e5	1.24	1.22	ND	0.8882	34.85	34.86	ND	1.000	1.001	52.9	52.8	ND
14	1,2,3,7,8,9-HxCDF	1.44e5	3.27e5	1.24	1.20	ND	0.8797	36.54	36.56	ND	1.000	1.000	59.5	59.1	ND
15	1,2,3,4,6,7,8-HpCDF	1.34e5	2.97e5	1.04	1.03	ND	0.8734	37.34	37.32	ND	1.001	1.000	51.6	51.3	ND
16	1,2,3,4,7,8,9-HxCDF	8.89e4	1.91e5	1.04	0.95	ND	1.0128	39.28	39.28	ND	1.000	1.000	51.2	51.2	ND
17	OCDF	2.29e5	5.89e5	0.89	0.85	ND	0.8988	41.89	41.89	ND	1.000	1.001	101	101	ND
18	13C-2,3,7,8-TCDD	6.74e5	8.94e5	0.77	0.77	ND	1.1883	28.46	28.44	ND	1.628	1.628	98.1	98.1	ND
19	13C-1,2,3,7,8-PeCDD	4.84e5	5.94e5	0.63	0.61	ND	0.8489	31.64	31.42	ND	1.227	1.218	92.1	92.1	ND
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.18e5	1.24	1.27	ND	0.7799	34.89	34.79	ND	1.814	1.814	87.1	87.1	ND
21	13C-1,2,3,6,7,8-HxCDD	4.38e5	4.18e5	1.24	1.24	ND	1.8187	34.91	34.90	ND	1.817	1.817	102	102	ND



1	2,3,7,8-TCDF	8.00e4	8.74e5	0.77	0.70	ND	0.8803	38.47	38.48	ND	1.001	1.001	98.9	98.9	ND
2	1,2,3,7,8-PeCDD	1.90e5	4.04e5	0.62	0.59	ND	0.9907	31.44	31.44	ND	1.001	1.000	48.5	53.1	ND
3	1,2,3,4,7,8-PeCDD	1.30e5	2.84e5	1.24	1.23	ND	1.0334	34.89	34.89	ND	1.000	1.000	47.4	94.8	ND
4	1,2,3,6,7,8-PeCDD	1.07e5	4.28e5	1.24	1.15	ND	0.8823	34.90	34.91	ND	1.000	1.000	48.1	98.2	ND
5	1,2,3,7,8-PeCDF	1.26e5	3.00e5	1.24	1.23	ND	0.8999	38.19	38.29	ND	1.000	1.001	49.1	98.2	ND
6	1,2,3,4,6,7,8-HxCDD	0.94e4	2.31e5	1.04	1.01	ND	0.8830	38.72	38.73	ND	1.000	1.001	48.0	98.7	ND
7	OCDD	2.03e5	4.41e5	0.89	0.87	ND	0.9138	41.88	41.79	ND	1.000	1.000	101	101	ND
8	2,3,7,8-TCDF	8.37e4	8.70e5	0.77	0.70	ND	0.7810	28.57	28.58	ND	1.001	1.001	9.65	98.8	ND
9	1,2,3,7,8-PeCDF	3.10e5	7.10e5	1.58	1.58	ND	0.8828	38.18	38.14	ND	1.001	1.000	48.9	87.7	ND
10	2,3,4,7,8-PeCDF	2.90e5	6.84e5	1.58	1.54	ND	0.9340	31.15	31.13	ND	1.001	1.000	48.8	93.3	ND
11	1,2,3,4,7,8-PeCDF	1.00e5	3.80e5	1.24	1.22	ND	0.8845	33.92	33.93	ND	1.000	1.000	50.3	101	ND
12	1,2,3,6,7,8-HxCDF	2.33e5	4.90e5	1.24	1.22	ND	0.8882	34.65	34.65	ND	1.000	1.001	52.0	100	ND
13	2,3,4,6,7,8-HxCDF	1.93e5	4.12e5	1.24	1.22	ND	0.9341	34.68	34.64	ND	1.001	1.001	50.1	100	ND
14	1,2,3,4,6,7,8-HxCDF	1.34e5	2.97e5	1.04	1.00	ND	0.8734	37.34	37.32	ND	1.001	1.000	51.6	103	ND
15	1,2,3,4,7,8,9-HxCDF	0.80e4	1.91e5	1.04	0.95	ND	1.0120	38.28	38.28	ND	1.000	1.000	51.2	102	ND
17	OCDF	2.20e5	5.00e5	0.89	0.88	ND	0.8998	41.88	41.88	ND	1.000	1.001	101	101	ND
18	13C-2,3,7,8-TCDD	0.74e5	6.94e5	0.77	0.77	ND	1.1023	38.48	38.44	ND	1.026	1.026	88.1	88.1	ND
19	13C-1,2,3,7,8-PeCDD	4.84e5	5.94e5	0.62	0.61	ND	0.9409	31.64	31.42	ND	1.227	1.210	92.1	92.1	ND
20	13C-1,2,3,4,7,8-PeCDD	2.84e5	4.10e5	1.24	1.27	ND	0.7790	34.89	34.79	ND	1.014	1.014	87.1	87.1	ND
21	13C-1,2,3,4,7,8-HxCDD	4.38e5	4.10e5	1.24	1.24	ND	1.0107	34.91	34.90	ND	1.017	1.017	102	102	ND



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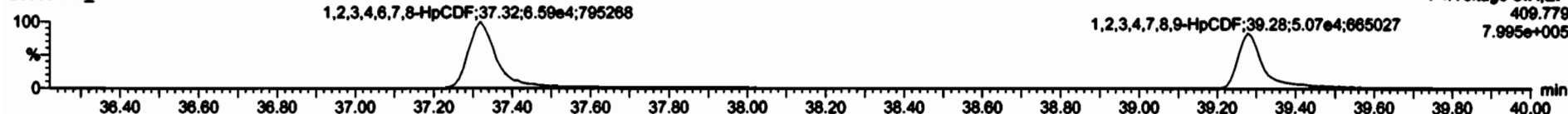
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200607R1_1



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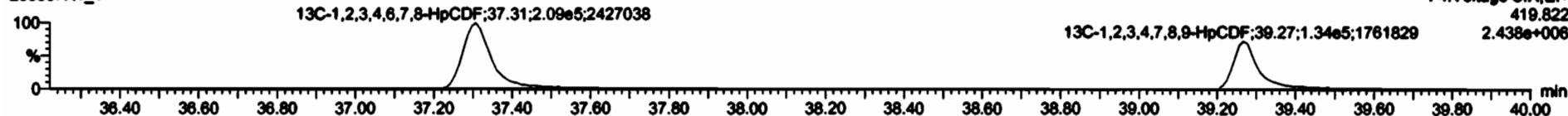


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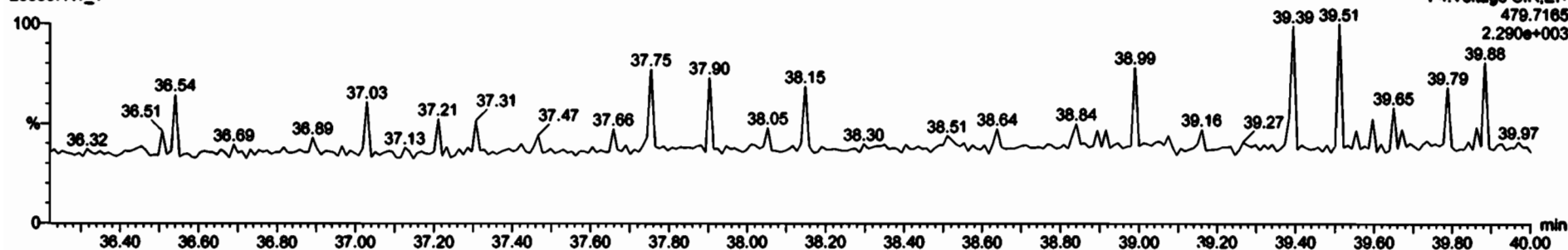


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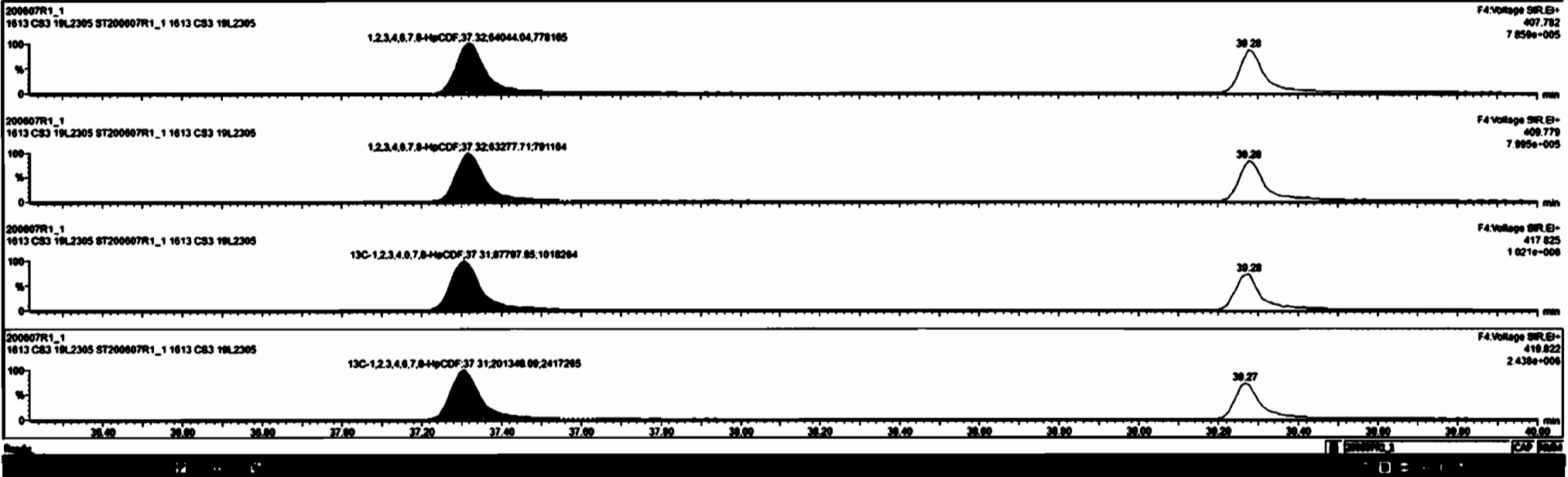


DPE4

200607R1_1



1	2,3,7,8-TCDF	5.92e4	6.74e5	0.77	0.76	ND	0.8923	26.47	26.45	ND	1.001	1.001	9.00	98.9	ND
2	1,2,3,7,8-PeCDD	1.99e5	4.84e5	0.63	0.50	ND	0.9901	31.44	31.44	ND	1.001	1.000	48.5	93.1	ND
3	1,2,3,4,7,8-HxCDD	1.30e5	2.84e5	1.20	1.23	ND	1.0334	34.80	34.80	ND	1.000	1.000	47.4	94.9	ND
4	1,2,3,6,7,8-HxCDD	1.87e5	4.38e5	1.20	1.16	ND	0.8923	34.80	34.91	ND	1.000	1.000	48.1	98.2	ND
5	1,2,3,7,8,9-HxCDD	1.38e5	3.09e5	1.20	1.23	ND	0.8900	36.16	36.20	ND	1.000	1.001	49.1	98.2	ND
6	1,2,3,4,6,7,8-HpCDD	8.94e4	2.31e5	1.04	1.01	ND	0.8930	36.72	36.73	ND	1.000	1.001	49.9	98.7	ND
7	OCDF	2.03e5	4.41e5	0.89	0.87	ND	0.9130	41.80	41.70	ND	1.000	1.000	101	101	ND
8	2,3,7,8-TCDF	6.37e4	6.70e5	0.77	0.76	ND	0.7910	25.57	25.56	ND	1.001	1.001	6.00	98.6	ND
9	1,2,3,7,8-PeCDF	3.19e5	7.16e5	1.58	1.58	ND	0.8925	39.16	39.14	ND	1.001	1.000	48.9	97.7	ND
10	2,3,4,7,8-PeCDF	2.99e5	6.84e5	1.58	1.54	ND	0.8948	31.16	31.13	ND	1.001	1.000	48.8	93.3	ND
11	1,2,3,4,7,8,9-HpCDF	1.60e5	3.89e5	1.20	1.22	ND	0.8948	33.82	33.80	ND	1.000	1.000	39.3	101	ND
12	1,2,3,6,7,8-HpCDF	2.33e5	4.89e5	1.20	1.22	ND	0.8902	34.85	34.86	ND	1.000	1.001	52.9	106	ND
13	2,3,4,6,7,8-HpCDF	1.93e5	4.13e5	1.20	1.22	ND	0.9341	34.80	34.84	ND	1.001	1.001	39.1	100	ND
14	1,2,3,7,8,9-HpCDF	1.23e5	3.11e5	1.20	1.22	ND	0.8787	36.54	36.55	ND	1.000	1.000	49.3	98.6	ND
15	1,2,3,4,7,8,9-HpCDF	9.90e4	1.91e5	1.04	0.96	ND	1.0126	39.28	39.28	ND	1.000	1.000	51.2	102	ND
17	OCDF	2.39e5	5.09e5	0.89	0.86	ND	0.8905	41.80	41.80	ND	1.000	1.001	101	101	ND
18	13C-2,3,7,8-TCDD	6.74e5	8.94e5	0.77	0.77	ND	1.1853	26.48	26.44	ND	1.028	1.028	98.1	98.1	ND
19	13C-1,2,3,7,8-PeCDD	4.84e5	8.94e5	0.63	0.61	ND	0.8400	31.64	31.42	ND	1.227	1.219	92.1	92.1	ND
20	13C-1,2,3,4,7,8-HpCDD	2.94e5	4.10e5	1.20	1.27	ND	0.7709	34.80	34.79	ND	1.014	1.014	87.1	87.1	ND
21	13C-1,2,3,6,7,8-HpCDD	4.38e5	4.10e5	1.20	1.24	ND	1.0187	34.91	34.90	ND	1.017	1.017	102	102	ND

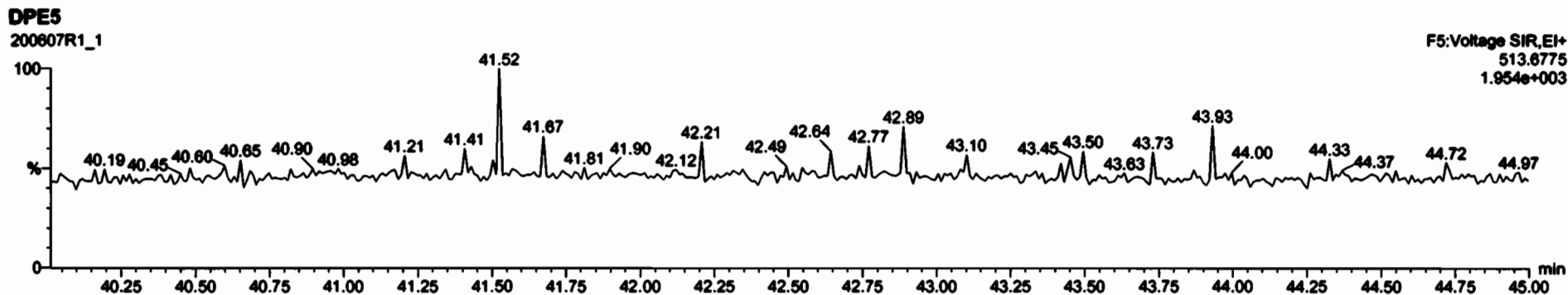
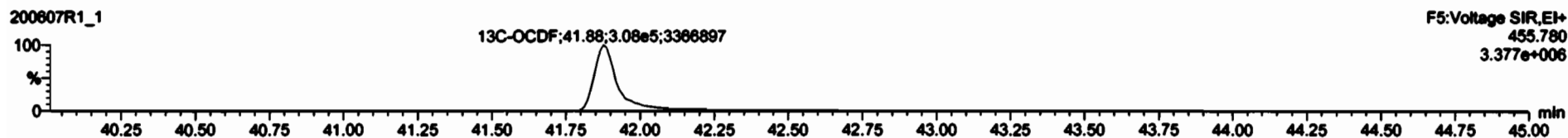
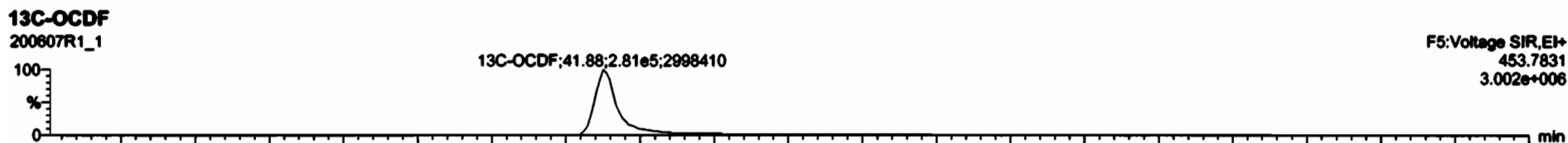
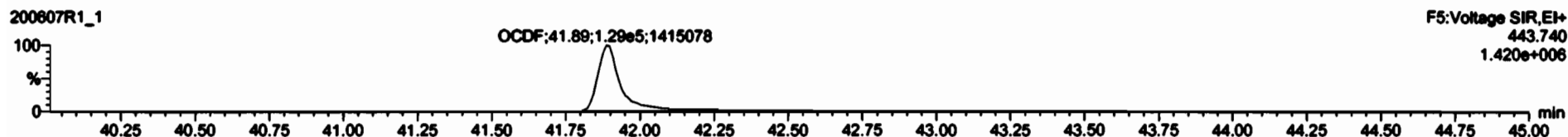
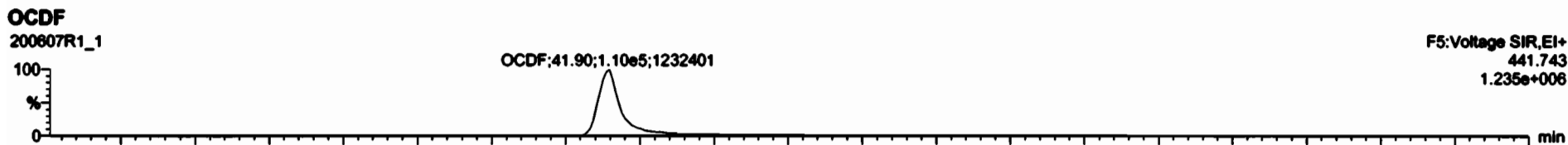


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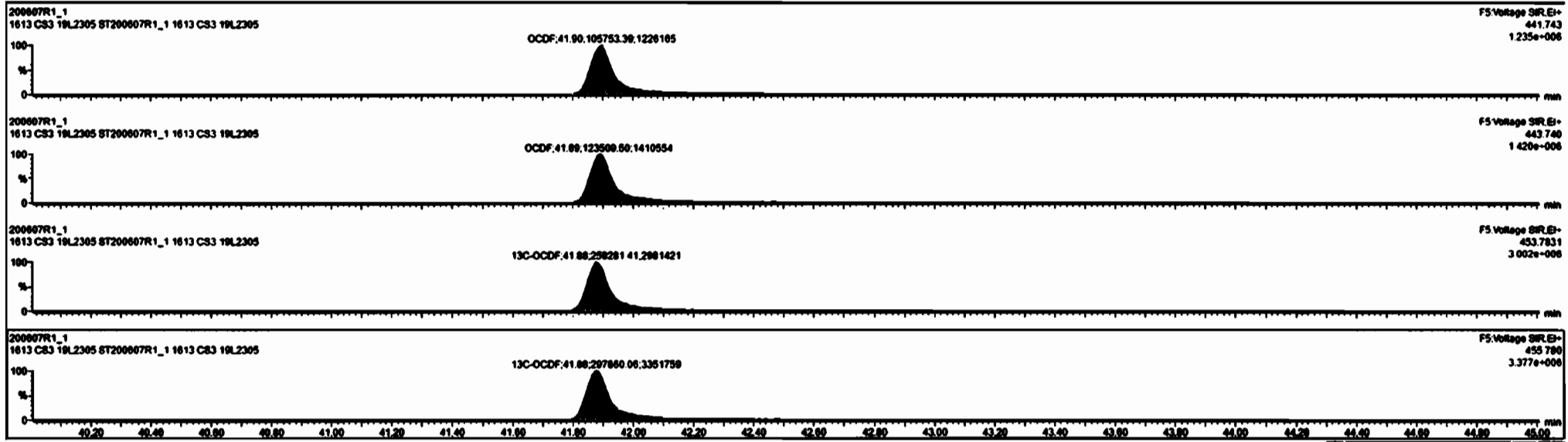
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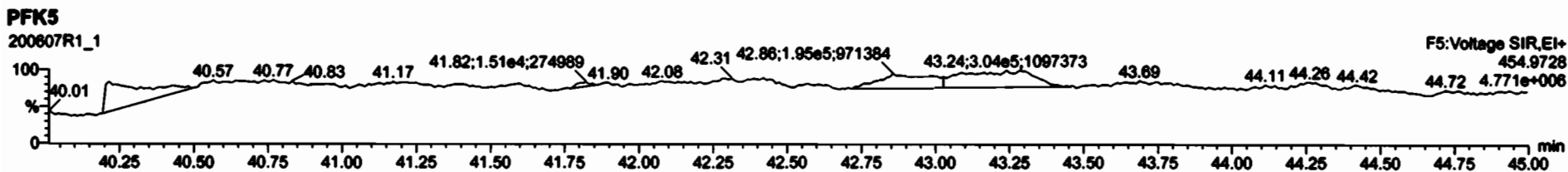
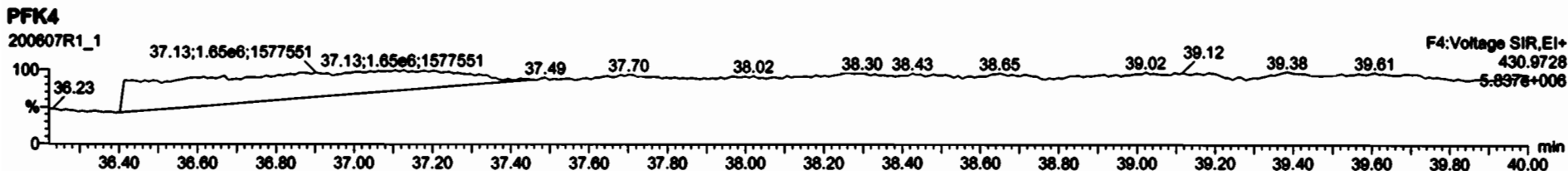
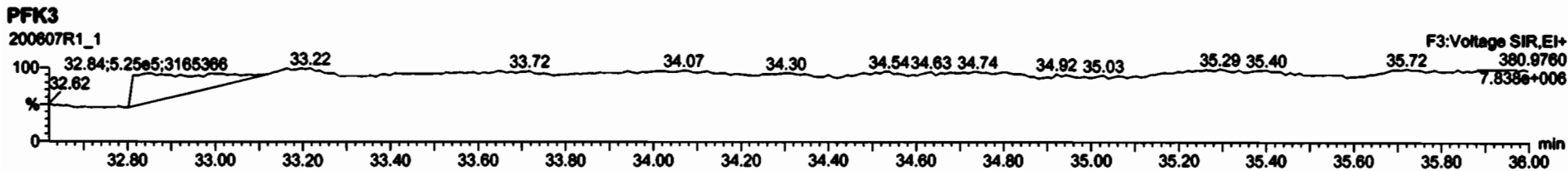
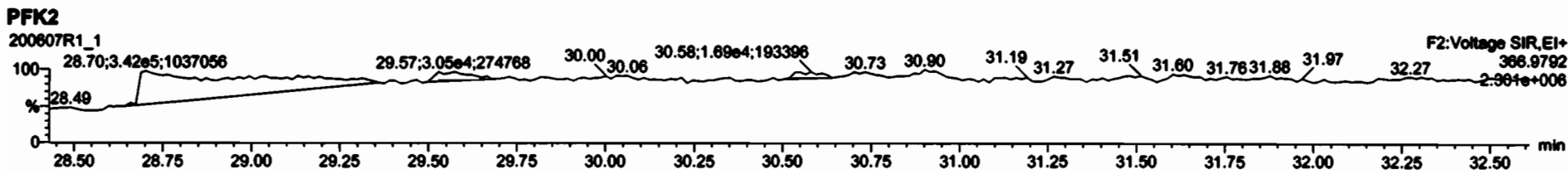
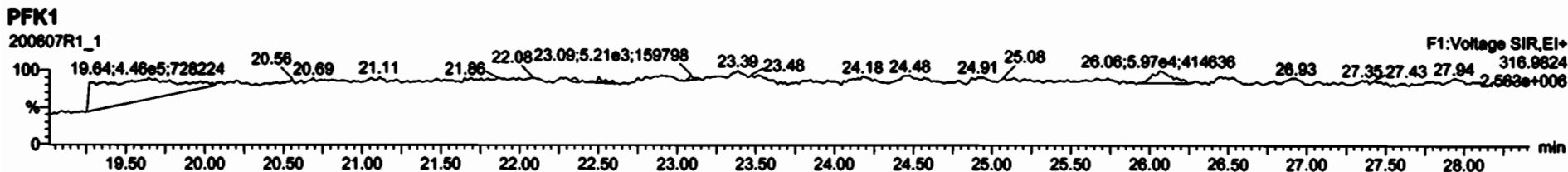
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2	1,2,3,7,8-PeCDD	1.99e5	6.84e5	0.63	0.59	NO	0.9991	31.44	31.44	NO	1.001	1.000	48.5	43.1	NO
3	1,2,3,4,7,8-HxCDD	1.39e5	2.84e5	1.34	1.23	NO	1.0334	34.89	34.89	NO	1.000	1.000	47.4	94.8	NO
4	1,2,3,6,7,8-HxCDD	1.67e5	4.38e5	1.24	1.15	NO	0.8823	34.89	34.91	NO	1.000	1.000	48.1	98.2	NO
5	1,2,3,7,8-HxCDF	1.35e5	3.09e5	1.24	1.23	NO	0.8899	38.19	38.20	NO	1.000	1.001	49.1	98.2	NO
6	1,2,3,4,6,7,8-HpCDD	0.94e4	2.31e5	1.04	1.01	NO	0.8830	38.72	38.73	NO	1.000	1.001	49.0	98.7	NO
7	OCDF	2.03e5	4.41e5	0.89	0.87	NO	0.9138	41.89	41.79	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	6.37e4	6.79e5	0.77	0.79	NO	0.7519	25.57	25.58	NO	1.001	1.001	98.9	98.9	NO
9	1,2,3,7,8-PeCDF	3.19e5	7.18e5	1.54	1.58	NO	0.8826	39.16	39.14	NO	1.001	1.000	48.9	97.7	NO
10	2,3,4,7,8-PeCDF	2.89e5	6.84e5	1.54	1.54	NO	0.9340	31.15	31.13	NO	1.001	1.000	48.8	93.3	NO
11	1,2,3,4,7,8-HxCDF	1.89e5	3.89e5	1.34	1.22	NO	0.8845	33.82	33.83	NO	1.000	1.000	50.3	101	NO
12	1,2,3,4,7,8-HxCDF	2.33e5	4.99e5	1.34	1.22	NO	0.8882	34.85	34.85	NO	1.000	1.001	52.9	100	NO
13	2,3,4,6,7,8-HxCDF	1.80e5	4.13e5	1.24	1.22	NO	0.9341	34.85	34.84	NO	1.001	1.001	50.1	100	NO
14	1,2,3,7,8-HxCDF	1.33e5	3.11e5	1.24	1.22	NO	0.8797	36.54	36.55	NO	1.000	1.000	49.3	98.8	NO
15	1,2,3,4,6,7,8-HpCDF	1.27e4	2.89e5	1.04	1.01	NO	0.8734	37.34	37.32	NO	1.001	1.000	50.4	101	NO
16	1,2,3,4,7,8-HpCDF	0.89e4	1.91e5	1.04	0.99	NO	1.0139	39.39	39.28	NO	1.000	1.000	50.2	100	NO
17	1,2,3,7,8-PeCDD	0.74e5	6.94e5	0.77	0.77	NO	1.1853	28.48	28.44	NO	1.028	1.028	98.1	98.1	NO
18	1,2,3,7,8-PeCDD	4.84e5	6.94e5	0.63	0.61	NO	0.9499	31.64	31.42	NO	1.227	1.219	92.1	92.1	NO
19	1,2,3,4,7,8-HxCDD	2.84e5	4.18e5	1.34	1.27	NO	0.7799	34.89	34.79	NO	1.014	1.014	87.1	87.1	NO
20	1,2,3,4,7,8-HxCDD	4.38e5	4.18e5	1.24	1.24	NO	1.0167	34.91	34.90	NO	1.017	1.017	102	102	NO



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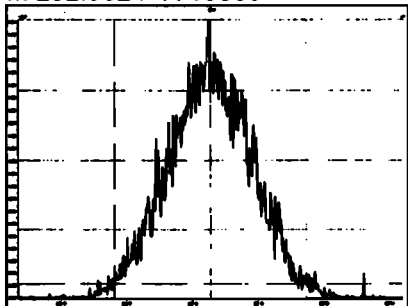
Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

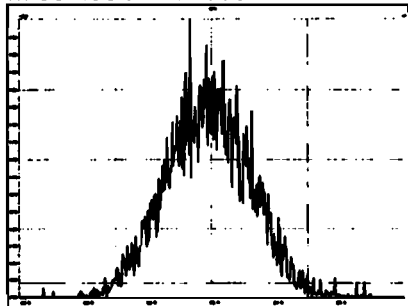


Printed: Sunday, June 07, 2020 21:11:16 Pacific Daylight Time

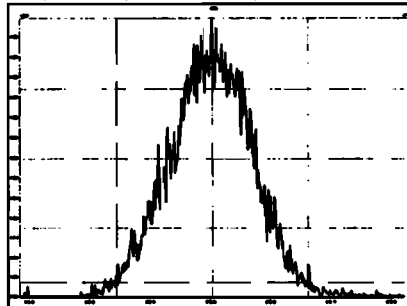
M 292.9824 R 10666



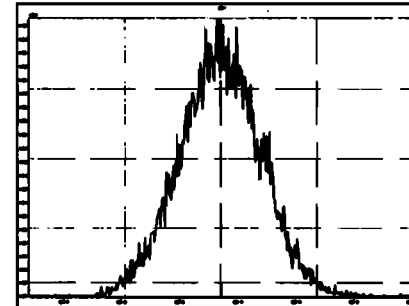
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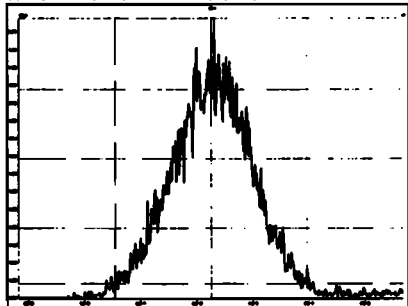
M 318.9792 R 10243



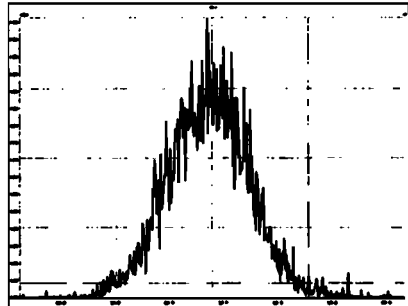
M 330.9792 R 10063



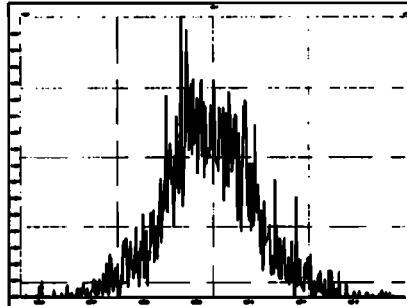
M 342.9792 R 10615



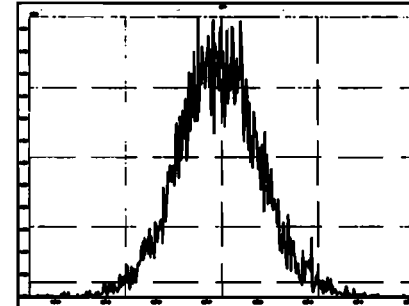
M 354.9792 R 10968



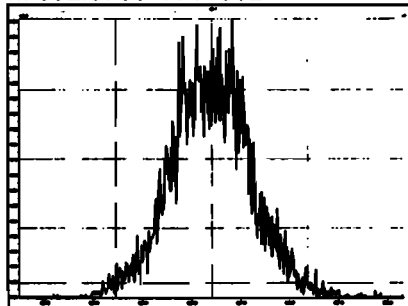
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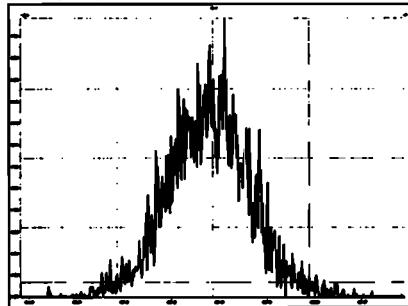
M 380.9760 R 10930



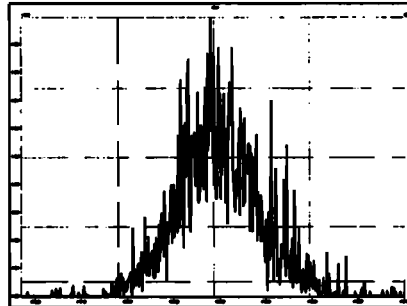
M 392.9760 R 11062



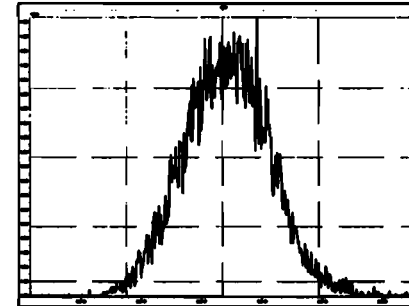
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M 416.9760 R 16114

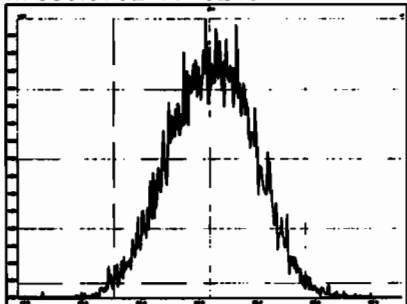


M 318.9792 R 10288

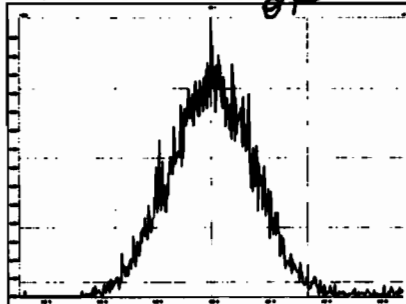


Printed: Sunday, June 07, 2020 21:11:16 Pacific Daylight Time

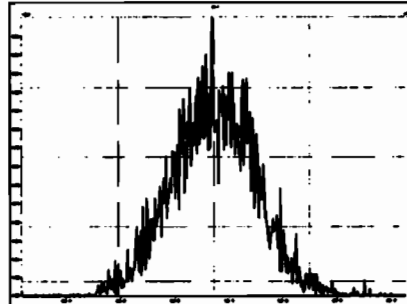
M 330.9792 R 10248



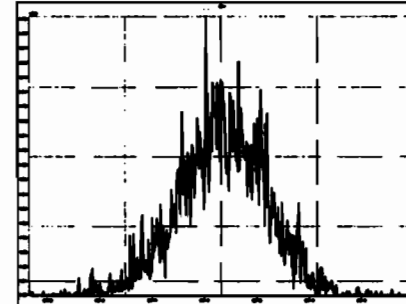
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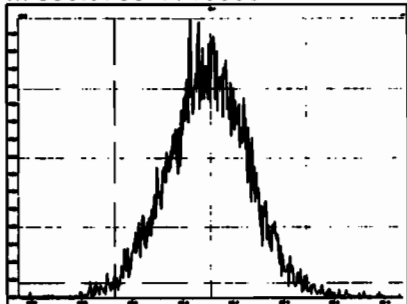
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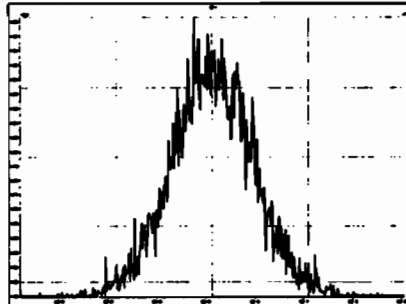
M 366.9792 R 11322



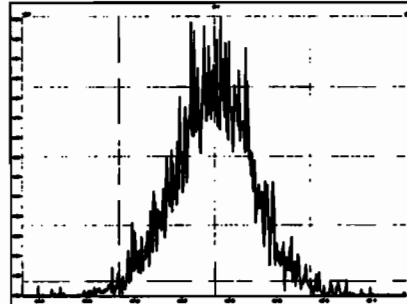
M 380.9760 R 10395



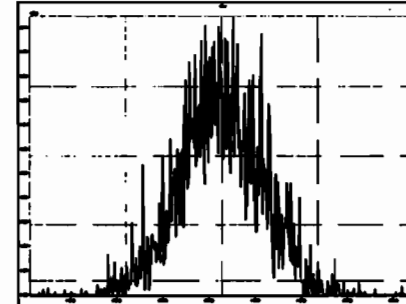
M 392.9760 R 11160



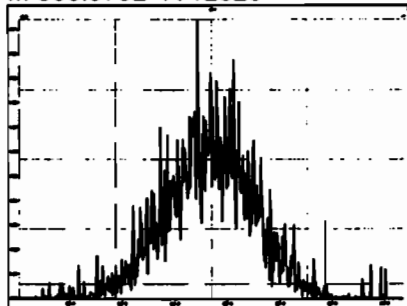
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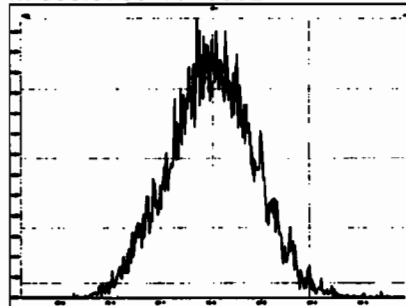
M 416.9760 R 12724



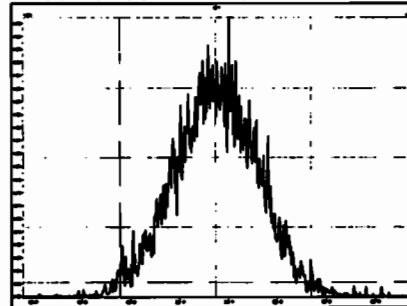
M 366.9792 R 12820



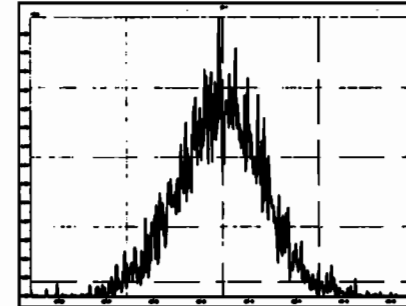
M 380.9760 R 10332



M 392.9760 R 10039

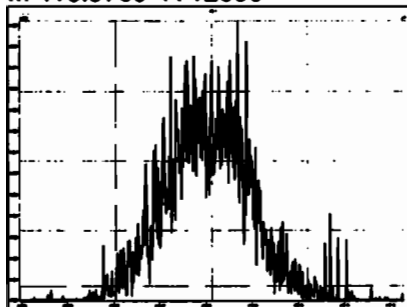


M 404.9760 R 10417

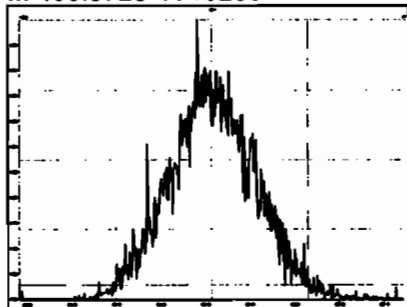


Printed: Sunday, June 07, 2020 21:11:16 Pacific Daylight Time

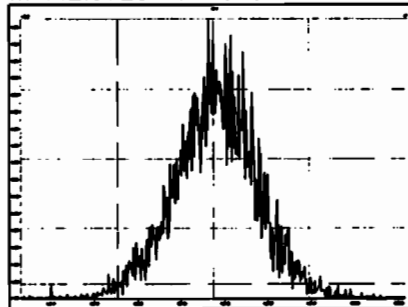
M 416.9760 R 12606



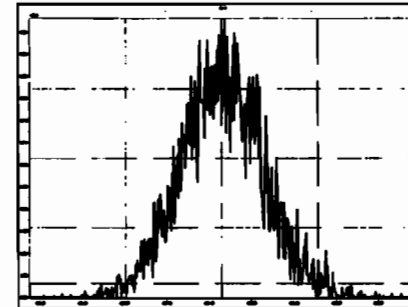
M 430.9728 R 10256



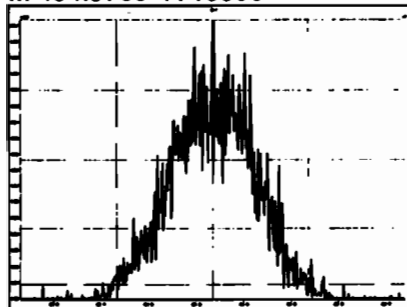
M 442.9728 R 11043



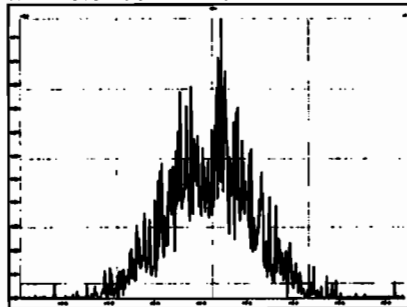
M 454.9728 R 11709



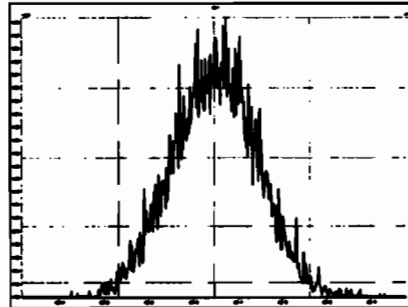
M 404.9760 R 10506



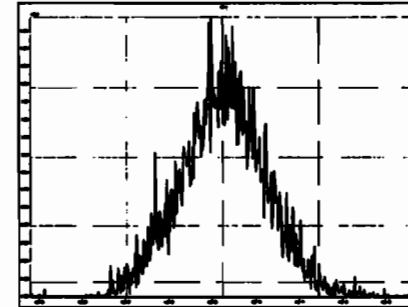
M 416.9760 R 12056



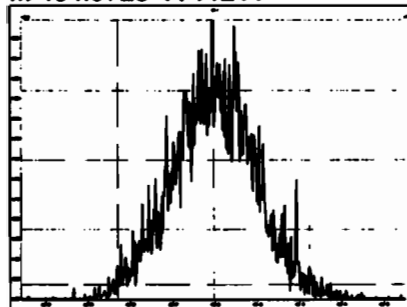
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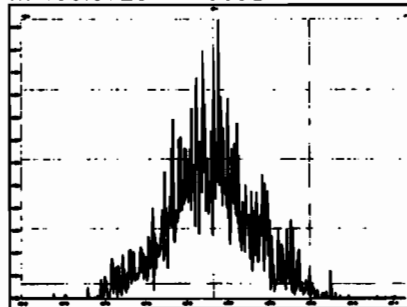
M 442.9728 R 10760



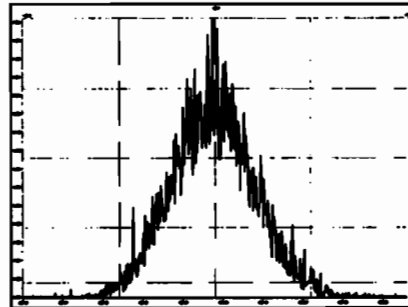
M 454.9728 R 11211



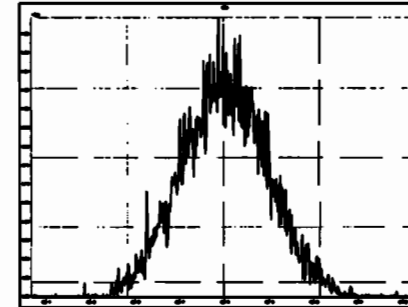
M 466.9728 R 13652



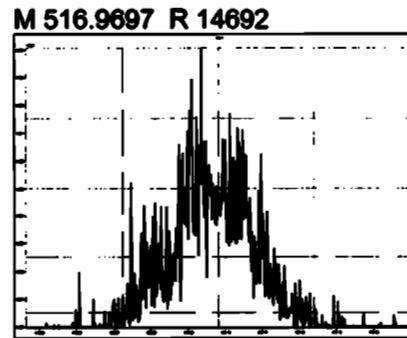
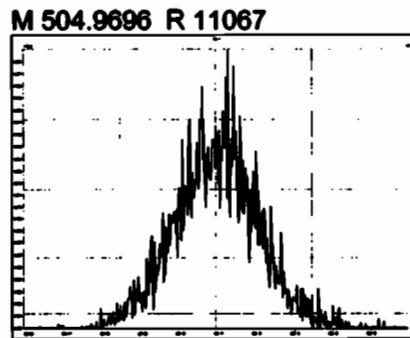
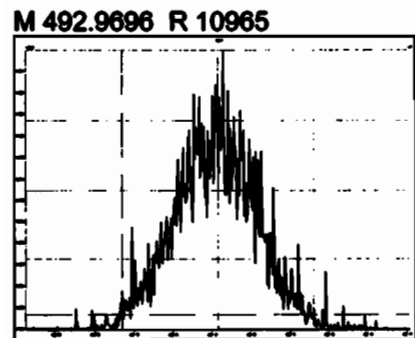
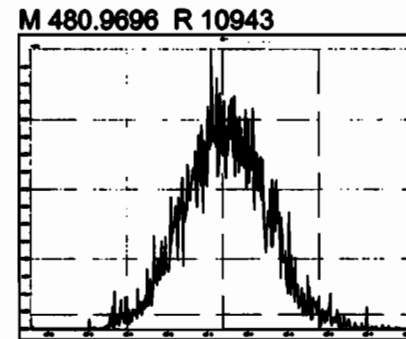
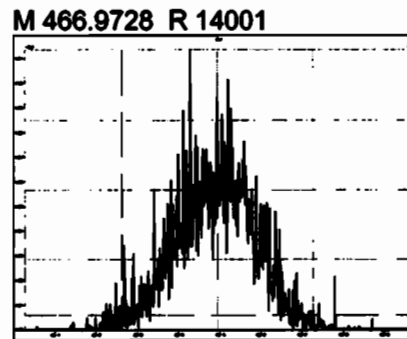
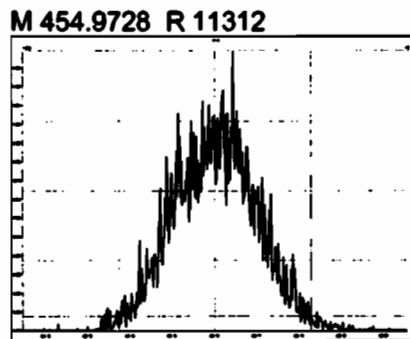
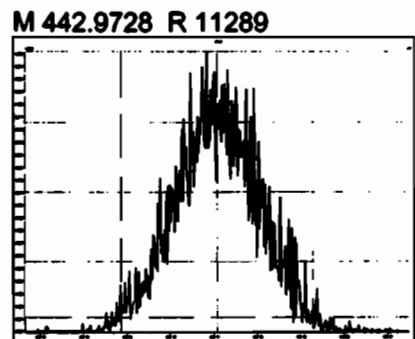
M 480.9696 R 10647



M 430.9728 R 10510



Printed: Sunday, June 07, 2020 21:11:16 Pacific Daylight Time



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld
 Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Compound name: 2,3,7,8-TCDD
 Response Factor: 0.947465
 RRF SD: 0.050672, Relative SD: 5.34817
 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	200429R2_1	0.250	0.81	NO	26.07	1.002	3.67e3	1.71e6	0.227	-9.3	0.859	MM
2	200429R2_2	0.500	0.73	NO	26.05	1.001	6.88e3	1.49e6	0.486	-2.8	0.921	MM
3	200429R2_3	2.00	0.80	NO	26.05	1.001	2.77e4	1.43e6	2.04	2.1	0.968	MM
4	200429R2_4	10.0	0.76	NO	26.07	1.001	1.43e5	1.49e6	10.1	0.8	0.955	db
5	200429R2_5	40.0	0.79	NO	26.07	1.001	6.85e5	1.74e6	41.5	3.8	0.983	bb
6	200429R2_6	300	0.78	NO	26.05	1.001	6.08e6	2.03e6	316	5.4	0.998	bb

Compound name: 1,2,3,7,8-PeCDD
 Response Factor: 0.942465
 RRF SD: 0.0519271, Relative SD: 5.50971
 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	200429R2_1	1.25	0.59	NO	31.13	1.000	1.26e4	1.18e6	1.13	-9.9	0.849	MM
2	200429R2_2	2.50	0.61	NO	31.14	1.000	2.41e4	1.02e6	2.49	-0.4	0.939	bb
3	200429R2_3	10.0	0.62	NO	31.13	1.000	9.99e4	9.92e5	10.7	6.8	1.01	bb
4	200429R2_4	50.0	0.62	NO	31.13	1.000	5.37e5	1.14e6	49.9	-0.2	0.941	bb
5	200429R2_5	200	0.63	NO	31.14	1.000	2.46e6	1.29e6	202	1.0	0.952	bb
6	200429R2_6	1500	0.63	NO	31.13	1.000	2.34e7	1.61e6	1540	2.6	0.967	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.06409

RRF SD: 0.0704393, Relative SD: 6.61967

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	200429R2_1	1.25	1.23	NO	34.49	1.000	1.06e4	9.05e5	1.10	-12.2	0.934	bd
2	200429R2_2	2.50	1.24	NO	34.51	1.000	2.05e4	7.45e5	2.58	3.2	1.10	bd
3	200429R2_3	10.0	1.25	NO	34.49	1.000	8.24e4	7.52e5	10.3	3.1	1.10	bd
4	200429R2_4	50.0	1.22	NO	34.51	1.000	4.42e5	8.49e5	48.9	-2.2	1.04	MM
5	200429R2_5	200	1.23	NO	34.51	1.000	2.14e6	9.92e5	203	1.5	1.08	bd
6	200429R2_6	1500	1.23	NO	34.49	1.000	2.19e7	1.29e6	1600	6.6	1.13	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.914514

RRF SD: 0.0597197, Relative SD: 6.53021

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	200429R2_1	1.25	1.18	NO	34.60	1.000	1.19e4	1.16e6	1.12	-10.3	0.820	db
2	200429R2_2	2.50	1.19	NO	34.60	1.000	2.18e4	9.85e5	2.42	-3.1	0.886	db
3	200429R2_3	10.0	1.26	NO	34.60	1.000	9.42e4	9.49e5	10.8	8.4	0.992	db
4	200429R2_4	50.0	1.20	NO	34.60	1.000	4.89e5	1.08e6	49.6	-0.9	0.906	MM
5	200429R2_5	200	1.23	NO	34.61	1.000	2.38e6	1.24e6	210	5.0	0.960	db
6	200429R2_6	1500	1.24	NO	34.60	1.001	2.35e7	1.70e6	1510	0.9	0.922	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.914931

RRF SD: 0.0698725, Relative SD: 7.63691

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	200429R2_1	1.25	1.17	NO	34.87	1.000	9.95e3	1.02e6	1.07	-14.6	0.782	MM
2	200429R2_2	2.50	1.21	NO	34.88	1.000	1.98e4	8.50e5	2.55	1.9	0.933	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	10.0	1.24	NO	34.88	1.001	8.11e4	8.34e5	10.6	6.3	0.973	bb
4	200429R2_4	50.0	1.24	NO	34.88	1.000	4.19e5	9.34e5	49.1	-1.8	0.898	bb
5	200429R2_5	200	1.24	NO	34.89	1.001	2.07e6	1.09e6	208	4.2	0.953	bb
6	200429R2_6	1500	1.23	NO	34.87	1.000	2.08e7	1.46e6	1560	4.0	0.951	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.897908

RRF SD: 0.0622499, Relative SD: 6.93277

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	200429R2_1	1.25	1.08	NO	38.38	1.001	7.93e3	8.17e5	1.08	-13.5	0.777	bb
2	200429R2_2	2.50	1.01	NO	38.37	1.000	1.48e4	6.60e5	2.50	-0.2	0.896	MM
3	200429R2_3	10.0	1.08	NO	38.36	1.000	5.91e4	6.39e5	10.3	3.1	0.925	bd
4	200429R2_4	50.0	0.99	NO	38.38	1.000	3.08e5	6.79e5	50.5	1.0	0.907	bb
5	200429R2_5	200	1.02	NO	38.38	1.000	1.52e6	8.11e5	208	4.1	0.934	bb
6	200429R2_6	1500	1.02	NO	38.37	1.001	1.60e7	1.13e6	1580	5.6	0.948	bb

Compound name: OCDD

Response Factor: 0.93349

RRF SD: 0.0706604, Relative SD: 7.56949

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	200429R2_1	2.50	0.86	NO	41.35	1.000	1.41e4	1.42e6	2.13	-14.8	0.796	MM
2	200429R2_2	5.00	0.91	NO	41.35	1.000	2.79e4	1.21e6	4.96	-0.8	0.926	bd
3	200429R2_3	20.0	0.88	NO	41.34	1.000	1.08e5	1.10e6	21.2	5.8	0.988	MM
4	200429R2_4	100	0.88	NO	41.35	1.000	5.63e5	1.18e6	102	2.5	0.957	MM
5	200429R2_5	400	0.90	NO	41.35	1.000	2.87e6	1.50e6	411	2.7	0.959	MM
6	200429R2_6	3000	0.89	NO	41.34	1.000	3.39e7	2.31e6	3140	4.6	0.976	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 2,3,7,8-TCDF

Response Factor: 0.787102

RRF SD: 0.0402419, Relative SD: 5.11266

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	200429R2_1	0.250	0.82	NO	25.09	1.001	4.51e3	2.52e6	0.228	-8.9	0.717	MM
2	200429R2_2	0.500	0.75	NO	25.11	1.001	8.73e3	2.22e6	0.501	0.1	0.788	MM
3	200429R2_3	2.00	0.74	NO	25.11	1.001	3.42e4	2.09e6	2.08	4.1	0.820	bb
4	200429R2_4	10.0	0.74	NO	25.11	1.001	1.65e5	2.15e6	9.76	-2.4	0.768	bb
5	200429R2_5	40.0	0.75	NO	25.12	1.001	8.12e5	2.52e6	41.0	2.4	0.806	bb
6	200429R2_6	300	0.75	NO	25.09	1.001	7.19e6	2.91e6	314	4.7	0.824	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.910199

RRF SD: 0.0533229, Relative SD: 5.85838

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	200429R2_1	1.25	1.63	NO	29.81	1.000	1.97e4	1.94e6	1.12	-10.8	0.812	MM
2	200429R2_2	2.50	1.54	NO	29.83	1.000	3.85e4	1.69e6	2.50	0.1	0.911	MM
3	200429R2_3	10.0	1.57	NO	29.81	1.000	1.60e5	1.64e6	10.7	7.0	0.974	bb
4	200429R2_4	50.0	1.59	NO	29.81	1.000	8.46e5	1.86e6	50.0	0.0	0.910	bb
5	200429R2_5	200	1.55	NO	29.83	1.000	3.84e6	2.07e6	203	1.7	0.926	bb
6	200429R2_6	1500	1.56	NO	29.81	1.000	3.59e7	2.58e6	1530	1.9	0.928	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.96636

RRF SD: 0.0480881, Relative SD: 4.97621

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	200429R2_1	1.25	1.49	NO	30.80	1.000	2.03e4	1.84e6	1.14	-8.8	0.881	MM
2	200429R2_2	2.50	1.53	NO	30.82	1.000	3.90e4	1.62e6	2.50	-0.1	0.966	MM

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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	200429R2_3	10.0	1.60	NO	30.80	1.000	1.61e5	1.57e6	10.6	6.4	1.03	bb
4	200429R2_4	50.0	1.56	NO	30.80	1.000	8.75e5	1.82e6	49.8	-0.4	0.962	bb
5	200429R2_5	200	1.55	NO	30.82	1.000	3.97e6	2.01e6	204	2.1	0.987	bb
6	200429R2_6	1500	1.54	NO	30.81	1.000	3.66e7	2.51e6	1510	0.7	0.973	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.878238

RRF SD: 0.066642, Relative SD: 7.58815

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	200429R2_1	1.25	1.13	NO	33.64	1.001	1.14e4	1.22e6	1.06	-14.9	0.748	bd
2	200429R2_2	2.50	1.21	NO	33.64	1.000	2.26e4	1.02e6	2.52	0.9	0.886	bd
3	200429R2_3	10.0	1.22	NO	33.63	1.000	9.51e4	1.02e6	10.6	6.4	0.935	bd
4	200429R2_4	50.0	1.22	NO	33.64	1.000	5.03e5	1.13e6	50.6	1.1	0.888	bd
5	200429R2_5	200	1.19	NO	33.64	1.000	2.34e6	1.31e6	204	2.1	0.896	bd
6	200429R2_6	1500	1.19	NO	33.63	1.000	2.35e7	1.71e6	1570	4.4	0.917	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.873971

RRF SD: 0.0632141, Relative SD: 7.23298

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	200429R2_1	1.25	1.23	NO	33.76	1.001	1.35e4	1.41e6	1.09	-12.6	0.763	MM
2	200429R2_2	2.50	1.19	NO	33.76	1.000	2.55e4	1.18e6	2.46	-1.4	0.861	db
3	200429R2_3	10.0	1.20	NO	33.76	1.001	1.09e5	1.14e6	11.0	9.5	0.957	dd
4	200429R2_4	50.0	1.17	NO	33.76	1.000	5.58e5	1.26e6	50.6	1.2	0.885	db
5	200429R2_5	200	1.19	NO	33.77	1.001	2.62e6	1.46e6	205	2.7	0.897	db
6	200429R2_6	1500	1.19	NO	33.75	1.000	2.52e7	1.91e6	1510	0.7	0.880	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.921711

RRF SD: 0.0708547, Relative SD: 7.6873

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	200429R2_1	1.25	1.14	NO	34.32	1.000	1.24e4	1.26e6	1.07	-14.7	0.786	bb
2	200429R2_2	2.50	1.16	NO	34.33	1.001	2.38e4	1.05e6	2.46	-1.5	0.908	MM
3	200429R2_3	10.0	1.22	NO	34.32	1.000	1.02e5	1.03e6	10.7	7.1	0.987	bb
4	200429R2_4	50.0	1.17	NO	34.33	1.000	5.42e5	1.14e6	51.6	3.2	0.951	bb
5	200429R2_5	200	1.19	NO	34.33	1.000	2.49e6	1.31e6	206	3.0	0.950	bb
6	200429R2_6	1500	1.19	NO	34.33	1.000	2.48e7	1.74e6	1540	2.9	0.948	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.864187

RRF SD: 0.0516808, Relative SD: 5.98028

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	200429R2_1	1.25	1.22	NO	35.21	1.000	9.52e3	9.91e5	1.11	-11.0	0.769	MM
2	200429R2_2	2.50	1.21	NO	35.21	1.000	1.86e4	8.77e5	2.45	-1.8	0.848	MM
3	200429R2_3	10.0	1.22	NO	35.21	1.000	7.78e4	8.59e5	10.5	4.9	0.906	bb
4	200429R2_4	50.0	1.17	NO	35.22	1.000	4.02e5	9.29e5	50.1	0.2	0.866	bb
5	200429R2_5	200	1.19	NO	35.22	1.000	1.99e6	1.11e6	207	3.7	0.896	bb
6	200429R2_6	1500	1.20	NO	35.21	1.000	1.98e7	1.47e6	1560	4.0	0.899	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.871204

RRF SD: 0.0656544, Relative SD: 7.53606

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	200429R2_1	1.25	0.99	NO	36.94	1.000	8.60e3	9.24e5	1.07	-14.5	0.745	MM
2	200429R2_2	2.50	1.00	NO	36.97	1.001	1.73e4	7.84e5	2.54	1.5	0.884	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	200429R2_3	10.0	0.95	NO	36.96	1.000	6.95e4	7.69e5	10.4	3.7	0.903	MM
4	200429R2_4	50.0	0.96	NO	36.97	1.000	3.72e5	8.65e5	49.4	-1.2	0.861	bb
5	200429R2_5	200	0.99	NO	36.97	1.000	1.79e6	9.81e5	210	5.0	0.914	bb
6	200429R2_6	1500	0.99	NO	36.96	1.001	1.89e7	1.37e6	1580	5.5	0.919	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.01156

RRF SD: 0.0670054, Relative SD: 6.62397

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	200429R2_1	1.25	0.97	NO	38.95	1.000	6.68e3	5.96e5	1.11	-11.4	0.897	MM
2	200429R2_2	2.50	0.96	NO	38.95	1.000	1.20e4	4.92e5	2.41	-3.7	0.974	MM
3	200429R2_3	10.0	1.01	NO	38.95	1.000	4.94e4	4.72e5	10.4	3.5	1.05	MM
4	200429R2_4	50.0	1.00	NO	38.96	1.000	2.60e5	5.12e5	50.2	0.3	1.01	bb
5	200429R2_5	200	0.99	NO	38.96	1.000	1.29e6	6.09e5	209	4.7	1.06	bb
6	200429R2_6	1500	0.99	NO	38.94	1.000	1.43e7	8.85e5	1600	6.5	1.08	bb

Compound name: OCDF

Response Factor: 0.802147

RRF SD: 0.0574516, Relative SD: 7.16223

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	200429R2_1	2.50	0.84	NO	41.52	1.000	1.41e4	1.62e6	2.17	-13.4	0.695	MM
2	200429R2_2	5.00	0.85	NO	41.52	1.000	2.74e4	1.40e6	4.88	-2.4	0.783	MM
3	200429R2_3	20.0	0.88	NO	41.52	1.000	1.07e5	1.27e6	21.0	5.0	0.842	bb
4	200429R2_4	100	0.86	NO	41.53	1.000	5.36e5	1.32e6	101	1.3	0.813	bb
5	200429R2_5	400	0.87	NO	41.53	1.000	2.84e6	1.69e6	420	5.0	0.842	bb
6	200429R2_6	3000	0.87	NO	41.52	1.000	3.30e7	2.63e6	3130	4.4	0.838	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.15948

RRF SD: 0.103741, Relative SD: 8.94721

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	200429R2_1	100	0.79	NO	26.02	1.027	1.71e6	1.32e6	112	11.9	1.30	bb
2	200429R2_2	100	0.79	NO	26.03	1.027	1.49e6	1.44e6	89.7	-10.3	1.04	bb
3	200429R2_3	100	0.80	NO	26.02	1.026	1.43e6	1.38e6	89.4	-10.6	1.04	bb
4	200429R2_4	100	0.80	NO	26.03	1.027	1.49e6	1.28e6	100	0.3	1.16	bb
5	200429R2_5	100	0.79	NO	26.03	1.027	1.74e6	1.45e6	103	3.3	1.20	MM
6	200429R2_6	100	0.79	NO	26.02	1.027	2.03e6	1.66e6	105	5.4	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.847234

RRF SD: 0.105802, Relative SD: 12.488

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	200429R2_1	100	0.64	NO	31.11	1.227	1.18e6	1.32e6	106	6.2	0.900	bb
2	200429R2_2	100	0.65	NO	31.13	1.227	1.02e6	1.44e6	84.2	-15.8	0.713	bb
3	200429R2_3	100	0.64	NO	31.11	1.227	9.92e5	1.38e6	84.9	-15.1	0.719	bb
4	200429R2_4	100	0.65	NO	31.11	1.227	1.14e6	1.28e6	105	5.0	0.889	bb
5	200429R2_5	100	0.63	NO	31.13	1.227	1.29e6	1.45e6	105	5.1	0.890	bb
6	200429R2_6	100	0.64	NO	31.11	1.227	1.61e6	1.66e6	115	14.6	0.971	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.749916

RRF SD: 0.0958664, Relative SD: 12.7836

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	200429R2_1	100	1.27	NO	34.48	1.014	9.05e5	1.10e6	109	9.5	0.821	bd
2	200429R2_2	100	1.30	NO	34.49	1.014	7.45e5	1.19e6	83.5	-16.5	0.626	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	200429R2_3	100	1.29	NO	34.48	1.014	7.52e5	1.15e6	87.1	-12.9	0.653	bd
4	200429R2_4	100	1.29	NO	34.49	1.014	8.49e5	1.15e6	98.6	-1.4	0.739	bd
5	200429R2_5	100	1.28	NO	34.49	1.014	9.92e5	1.26e6	105	5.3	0.790	bd
6	200429R2_6	100	1.27	NO	34.48	1.014	1.29e6	1.48e6	116	16.0	0.870	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.963047

RRF SD: 0.127006, Relative SD: 13.1879

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	200429R2_1	100	1.28	NO	34.59	1.017	1.16e6	1.10e6	109	9.3	1.05	db
2	200429R2_2	100	1.29	NO	34.59	1.017	9.85e5	1.19e6	85.9	-14.1	0.827	db
3	200429R2_3	100	1.29	NO	34.59	1.017	9.49e5	1.15e6	85.7	-14.3	0.825	db
4	200429R2_4	100	1.26	NO	34.59	1.017	1.08e6	1.15e6	97.7	-2.3	0.941	db
5	200429R2_5	100	1.27	NO	34.60	1.017	1.24e6	1.26e6	102	2.2	0.985	db
6	200429R2_6	100	1.26	NO	34.58	1.017	1.70e6	1.48e6	119	19.2	1.15	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.83755

RRF SD: 0.108482, Relative SD: 12.9523

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	200429R2_1	100	1.31	NO	34.86	1.025	1.02e6	1.10e6	110	10.2	0.923	bd
2	200429R2_2	100	1.28	NO	34.87	1.025	8.50e5	1.19e6	85.2	-14.8	0.713	bb
3	200429R2_3	100	1.25	NO	34.86	1.025	8.34e5	1.15e6	86.5	-13.5	0.724	bb
4	200429R2_4	100	1.25	NO	34.87	1.025	9.34e5	1.15e6	97.2	-2.8	0.814	bb
5	200429R2_5	100	1.25	NO	34.87	1.025	1.09e6	1.26e6	103	3.2	0.864	bb
6	200429R2_6	100	1.25	NO	34.86	1.025	1.46e6	1.48e6	118	17.7	0.986	bb

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

Response Factor: 0.641477

RRF SD: 0.0915679, Relative SD: 14.2745

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	200429R2_1	100	1.06	NO	38.35	1.128	8.17e5	1.10e6	116	15.5	0.741	bd
2	200429R2_2	100	1.06	NO	38.36	1.128	6.60e5	1.19e6	86.4	-13.6	0.554	MM
3	200429R2_3	100	1.02	NO	38.36	1.128	6.39e5	1.15e6	86.5	-13.5	0.555	bb
4	200429R2_4	100	1.09	NO	38.37	1.128	6.79e5	1.15e6	92.2	-7.8	0.592	MM
5	200429R2_5	100	1.02	NO	38.37	1.128	8.11e5	1.26e6	101	0.6	0.646	bb
6	200429R2_6	100	1.05	NO	38.35	1.128	1.13e6	1.48e6	119	18.7	0.761	bb

Compound name: 13C-OCDD

Response Factor: 0.586321

RRF SD: 0.114579, Relative SD: 19.5421

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	200429R2_1	200	0.89	NO	41.34	1.216	1.42e6	1.10e6	220	9.8	0.644	MM
2	200429R2_2	200	0.90	NO	41.34	1.215	1.21e6	1.19e6	173	-13.7	0.506	MM
3	200429R2_3	200	0.93	NO	41.33	1.215	1.10e6	1.15e6	162	-18.8	0.476	MM
4	200429R2_4	200	0.93	NO	41.34	1.215	1.18e6	1.15e6	175	-12.5	0.513	MM
5	200429R2_5	200	0.90	NO	41.34	1.215	1.50e6	1.26e6	203	1.7	0.597	MM
6	200429R2_6	200	0.90	NO	41.33	1.215	2.31e6	1.48e6	267	33.4	0.782	MM

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.03447

RRF SD: 0.0994265, Relative SD: 9.61138

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	200429R2_1	100	0.78	NO	25.08	0.989	2.52e6	2.12e6	115	14.8	1.19	bb
2	200429R2_2	100	0.78	NO	25.09	0.989	2.22e6	2.37e6	90.3	-9.7	0.934	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	200429R2_3	100	0.78	NO	25.08	0.989	2.09e6	2.27e6	89.0	-11.0	0.920	bb
4	200429R2_4	100	0.77	NO	25.09	0.989	2.15e6	2.10e6	99.1	-0.9	1.03	bb
5	200429R2_5	100	0.79	NO	25.09	0.989	2.52e6	2.38e6	102	2.1	1.06	bb
6	200429R2_6	100	0.77	NO	25.08	0.989	2.91e6	2.69e6	105	4.7	1.08	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.84507

RRF SD: 0.102566, Relative SD: 12.137

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	200429R2_1	100	1.60	NO	29.80	1.176	1.94e6	2.12e6	108	8.3	0.915	bb
2	200429R2_2	100	1.62	NO	29.81	1.176	1.69e6	2.37e6	84.4	-15.6	0.713	bb
3	200429R2_3	100	1.61	NO	29.80	1.175	1.64e6	2.27e6	85.7	-14.3	0.724	bb
4	200429R2_4	100	1.63	NO	29.80	1.175	1.86e6	2.10e6	105	4.9	0.886	bb
5	200429R2_5	100	1.58	NO	29.81	1.176	2.07e6	2.38e6	103	3.0	0.871	bb
6	200429R2_6	100	1.59	NO	29.80	1.176	2.58e6	2.69e6	114	13.7	0.960	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.814071

RRF SD: 0.103739, Relative SD: 12.7432

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	200429R2_1	100	1.58	NO	30.79	1.215	1.84e6	2.12e6	107	6.7	0.869	bb
2	200429R2_2	100	1.59	NO	30.80	1.215	1.62e6	2.37e6	83.6	-16.4	0.681	db
3	200429R2_3	100	1.58	NO	30.79	1.214	1.57e6	2.27e6	84.8	-15.2	0.691	db
4	200429R2_4	100	1.60	NO	30.79	1.214	1.82e6	2.10e6	107	6.5	0.867	db
5	200429R2_5	100	1.60	NO	30.80	1.215	2.01e6	2.38e6	104	3.7	0.844	db
6	200429R2_6	100	1.58	NO	30.79	1.215	2.51e6	2.69e6	115	14.6	0.933	db

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00488

RRF SD: 0.118528, Relative SD: 11.7952

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	200429R2_1	100	0.50	NO	33.62	0.989	1.22e6	1.10e6	110	10.1	1.11	bd
2	200429R2_2	100	0.51	NO	33.63	0.989	1.02e6	1.19e6	85.4	-14.6	0.858	bd
3	200429R2_3	100	0.51	NO	33.62	0.988	1.02e6	1.15e6	88.0	-12.0	0.884	bd
4	200429R2_4	100	0.51	NO	33.63	0.989	1.13e6	1.15e6	98.3	-1.7	0.987	bd
5	200429R2_5	100	0.51	NO	33.63	0.988	1.31e6	1.26e6	103	3.5	1.04	bd
6	200429R2_6	100	0.51	NO	33.62	0.989	1.71e6	1.48e6	115	14.9	1.15	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.13681

RRF SD: 0.13421, Relative SD: 11.8059

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	200429R2_1	100	0.51	NO	33.74	0.992	1.41e6	1.10e6	113	12.9	1.28	db
2	200429R2_2	100	0.52	NO	33.75	0.992	1.18e6	1.19e6	87.4	-12.6	0.994	db
3	200429R2_3	100	0.51	NO	33.74	0.992	1.14e6	1.15e6	87.0	-13.0	0.990	db
4	200429R2_4	100	0.51	NO	33.75	0.992	1.26e6	1.15e6	96.7	-3.3	1.10	db
5	200429R2_5	100	0.51	NO	33.75	0.992	1.46e6	1.26e6	102	2.3	1.16	db
6	200429R2_6	100	0.51	NO	33.74	0.992	1.91e6	1.48e6	114	13.7	1.29	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02233

RRF SD: 0.123256, Relative SD: 12.0564

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	200429R2_1	100	0.52	NO	34.31	1.009	1.26e6	1.10e6	112	11.8	1.14	MM
2	200429R2_2	100	0.51	NO	34.31	1.009	1.05e6	1.19e6	86.2	-13.8	0.881	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	100	0.52	NO	34.31	1.009	1.03e6	1.15e6	87.6	-12.4	0.895	bb
4	200429R2_4	100	0.51	NO	34.33	1.009	1.14e6	1.15e6	97.2	-2.8	0.993	bb
5	200429R2_5	100	0.51	NO	34.33	1.009	1.31e6	1.26e6	102	2.1	1.04	bb
6	200429R2_6	100	0.51	NO	34.31	1.009	1.74e6	1.48e6	115	15.2	1.18	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.844773

RRF SD: 0.0991685, Relative SD: 11.7391

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	200429R2_1	100	0.51	NO	35.20	1.035	9.91e5	1.10e6	106	6.4	0.899	bb
2	200429R2_2	100	0.51	NO	35.20	1.035	8.77e5	1.19e6	87.2	-12.8	0.737	bb
3	200429R2_3	100	0.50	NO	35.20	1.035	8.59e5	1.15e6	88.3	-11.7	0.746	bb
4	200429R2_4	100	0.51	NO	35.21	1.035	9.29e5	1.15e6	95.9	-4.1	0.810	MM
5	200429R2_5	100	0.51	NO	35.21	1.035	1.11e6	1.26e6	105	4.6	0.883	bb
6	200429R2_6	100	0.52	NO	35.20	1.035	1.47e6	1.48e6	118	17.6	0.994	bb

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

Response Factor: 0.771212

RRF SD: 0.102676, Relative SD: 13.3136

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	200429R2_1	100	0.43	NO	36.93	1.086	9.24e5	1.10e6	109	8.6	0.838	bb
2	200429R2_2	100	0.43	NO	36.94	1.086	7.84e5	1.19e6	85.4	-14.6	0.659	bb
3	200429R2_3	100	0.44	NO	36.94	1.086	7.69e5	1.15e6	86.7	-13.3	0.668	bd
4	200429R2_4	100	0.43	NO	36.96	1.086	8.65e5	1.15e6	97.7	-2.3	0.754	bd
5	200429R2_5	100	0.42	NO	36.96	1.086	9.81e5	1.26e6	101	1.2	0.781	bb
6	200429R2_6	100	0.44	NO	36.93	1.086	1.37e6	1.48e6	120	20.3	0.928	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.482289

RRF SD: 0.0750769, Relative SD: 15.5668

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	200429R2_1	100	0.41	NO	38.94	1.145	5.96e5	1.10e6	112	12.1	0.541	bb
2	200429R2_2	100	0.44	NO	38.94	1.145	4.92e5	1.19e6	85.7	-14.3	0.413	MM
3	200429R2_3	100	0.45	NO	38.94	1.145	4.72e5	1.15e6	85.0	-15.0	0.410	MM
4	200429R2_4	100	0.44	NO	38.95	1.145	5.12e5	1.15e6	92.5	-7.5	0.446	MM
5	200429R2_5	100	0.43	NO	38.95	1.145	6.09e5	1.26e6	101	0.6	0.485	bb
6	200429R2_6	100	0.43	NO	38.93	1.145	8.85e5	1.48e6	124	24.1	0.598	bb

Compound name: 13C-OCDF

Response Factor: 0.668505

RRF SD: 0.127842, Relative SD: 19.1235

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	200429R2_1	200	0.88	NO	41.51	1.221	1.62e6	1.10e6	220	9.9	0.735	bb
2	200429R2_2	200	0.86	NO	41.51	1.220	1.40e6	1.19e6	176	-12.0	0.588	MM
3	200429R2_3	200	0.89	NO	41.51	1.220	1.27e6	1.15e6	165	-17.4	0.552	bd
4	200429R2_4	200	0.88	NO	41.52	1.221	1.32e6	1.15e6	172	-14.0	0.575	bb
5	200429R2_5	200	0.87	NO	41.52	1.220	1.69e6	1.26e6	201	0.5	0.672	bb
6	200429R2_6	200	0.88	NO	41.51	1.221	2.63e6	1.48e6	266	33.0	0.889	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.09842

RRF SD: 0.0959308, Relative SD: 8.73354

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	200429R2_1	0.250			26.05	1.028	3.33e3	1.32e6	0.230	-7.9	1.01	bb
2	200429R2_2	0.500			26.07	1.028	7.64e3	1.44e6	0.484	-3.2	1.06	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 37CI-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	2.00			26.05	1.027	2.74e4	1.38e6	1.81	-9.5	0.994	bd
4	200429R2_4	10.0			26.05	1.027	1.41e5	1.28e6	10.0	0.4	1.10	bb
5	200429R2_5	40.0			26.07	1.028	6.87e5	1.45e6	43.0	7.5	1.18	bb
6	200429R2_6	200			26.05	1.028	4.11e6	1.66e6	225	12.7	1.24	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	200429R2_1	100	0.80	NO	25.35	1.000	1.32e6	1.32e6	100	0.0	1.00	bb
2	200429R2_2	100	0.80	NO	25.36	1.000	1.44e6	1.44e6	100	0.0	1.00	bb
3	200429R2_3	100	0.81	NO	25.36	1.000	1.38e6	1.38e6	100	0.0	1.00	bb
4	200429R2_4	100	0.80	NO	25.36	1.000	1.28e6	1.28e6	100	0.0	1.00	bb
5	200429R2_5	100	0.81	NO	25.36	1.000	1.45e6	1.45e6	100	0.0	1.00	bb
6	200429R2_6	100	0.80	NO	25.35	1.000	1.66e6	1.66e6	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	200429R2_1	100	0.79	NO	23.57	1.000	2.12e6	2.12e6	100	0.0	1.00	bb
2	200429R2_2	100	0.79	NO	23.58	1.000	2.37e6	2.37e6	100	0.0	1.00	bb
3	200429R2_3	100	0.79	NO	23.58	1.000	2.27e6	2.27e6	100	0.0	1.00	bb
4	200429R2_4	100	0.79	NO	23.59	1.000	2.10e6	2.10e6	100	0.0	1.00	bb
5	200429R2_5	100	0.79	NO	23.59	1.000	2.38e6	2.38e6	100	0.0	1.00	bb
6	200429R2_6	100	0.79	NO	23.57	1.000	2.69e6	2.69e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-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	200429R2_1	100	0.51	NO	34.01	1.000	1.10e6	1.10e6	100	0.0	1.00	bb
2	200429R2_2	100	0.50	NO	34.01	1.000	1.19e6	1.19e6	100	0.0	1.00	bb
3	200429R2_3	100	0.51	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
4	200429R2_4	100	0.50	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
5	200429R2_5	100	0.51	NO	34.03	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
6	200429R2_6	100	0.51	NO	34.01	1.000	1.48e6	1.48e6	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.90
2	2 1,2,8,9-TCDD (Last)	27.05
3	3 1,2,4,7,9-PeCDD (First)	28.88
4	4 1,2,3,8,9-PeCDD (Last)	31.52
5	5 1,2,4,6,7,9-HxCDD (First)	33.04
6	6 1,2,3,7,8,9-HxCDD (Last)	34.88
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.35
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.38
9	9 1,3,6,8-TCDF (First)	19.85
10	10 1,2,8,9-TCDF (Last)	27.19
11	11 1,3,4,6,8-PeCDF (First)	27.17
12	12 1,2,3,8,9-PeCDF (Last)	31.75
13	13 1,2,3,4,6,8-HxCDF (First)	32.47
14	14 1,2,3,7,8,9-HxCDF (Last)	35.22
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.97
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.96

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

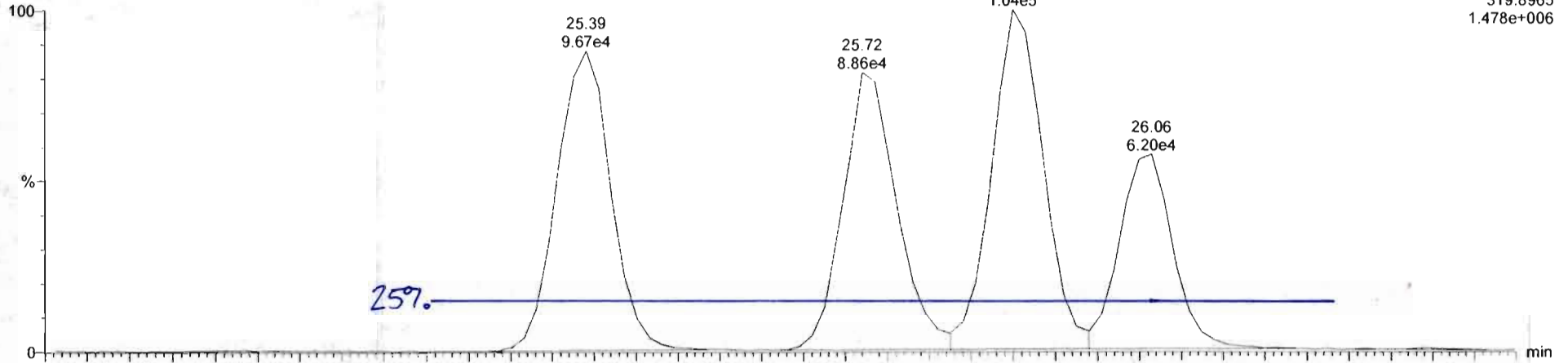
GPB 04/30/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

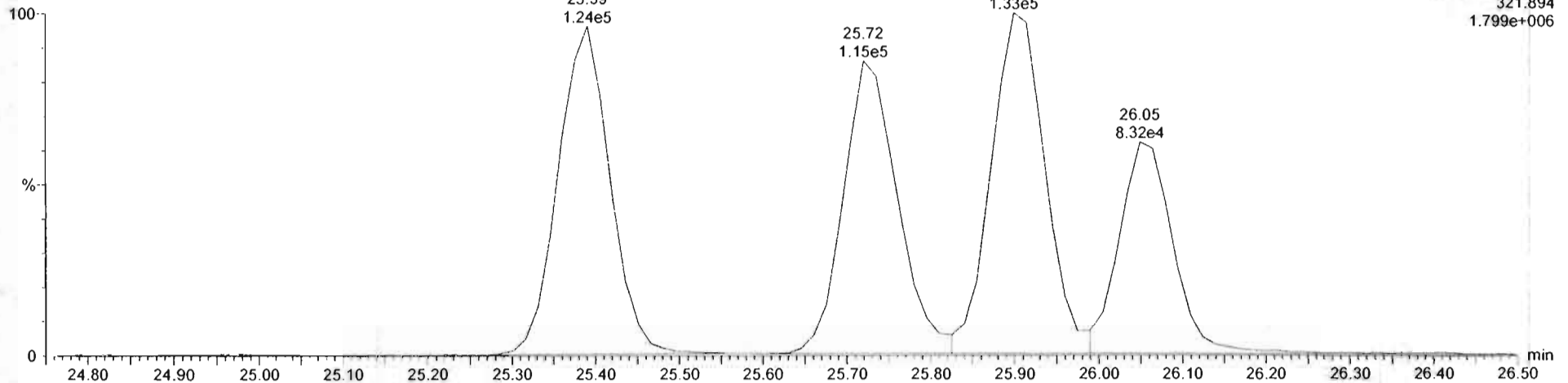
1,3,6,8-TCDD (First)
200429R2_4

F1:Voltage SIR,EI+
319.8965
1.478e+006



200429R2_4

F1:Voltage SIR,EI+
321.894
1.799e+006



Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:43 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:41:41 AM Pacific Daylight Time

Method: U:\VG12.PROMethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

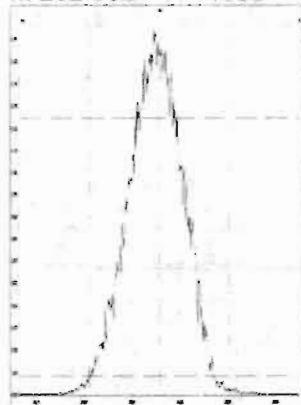
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200429R2_1	ST200429R2_1 1613 CS0 19L2302	29-Apr-20	13:27:25
2	200429R2_2	ST200429R2_2 1613 CS1 19L2303	29-Apr-20	14:15:04
3	200429R2_3	ST200429R2_3 1613 CS2 19L2304	29-Apr-20	15:02:24
4	200429R2_4	ST200429R2_4 1613 CS3 19L2305	29-Apr-20	15:48:39
5	200429R2_5	ST200429R2_5 1613 CS4 19L2306	29-Apr-20	16:35:58
6	200429R2_6	ST200429R2_6 1613 CS5 19L2307	29-Apr-20	17:23:21
7	200429R2_7	SOLVENT BLANK	29-Apr-20	18:10:44
8	200429R2_8	SS200429R2_1 1613 SSS 19L2308	29-Apr-20	18:58:05
9	200429R2_9	B0C0304-BS4 OPR 10	29-Apr-20	19:54:24
10	200429R2_10	B0C0304-BS3 OPR 10	29-Apr-20	20:40:38
11	200429R2_11	B0C0304-BS2 OPR 10	29-Apr-20	21:28:00
12	200429R2_12	B0C0304-BS1 OPR 10	29-Apr-20	22:15:28
13	200429R2_13	B0D0053-BS4 OPR 10	29-Apr-20	23:02:49
14	200429R2_14	B0D0053-BS3 OPR 10	29-Apr-20	23:50:11
15	200429R2_15	B0D0053-BS2 OPR 10	30-Apr-20	00:37:32
16	200429R2_16	B0D0053-BS1 OPR 10	30-Apr-20	01:24:55
17	200429R2_17	SOLVENT BLANK	30-Apr-20	02:12:17
18	200429R2_18	B0D0053-BLK1 Method Blank 10	30-Apr-20	02:59:37
19	200429R2_19	SOLVENT BLANK	30-Apr-20	03:55:52

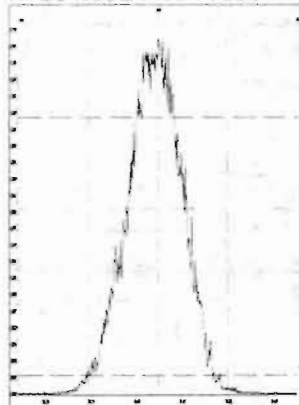
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Printed: Wednesday, April 29, 2020 13:21:30 Pacific Daylight Time

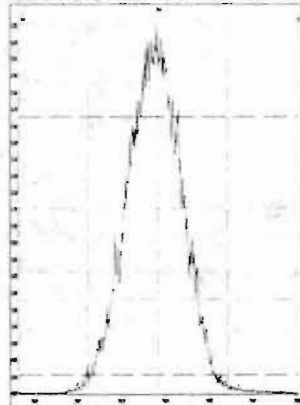
M 292.9824 R 11363



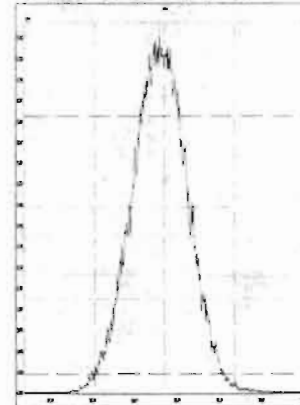
M 304.9824 R 11059



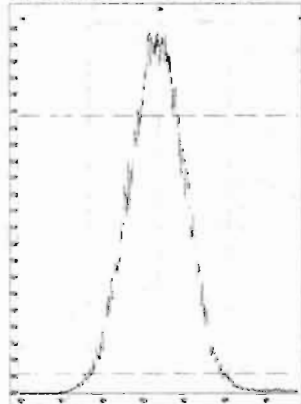
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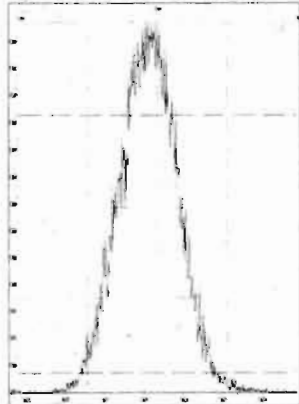
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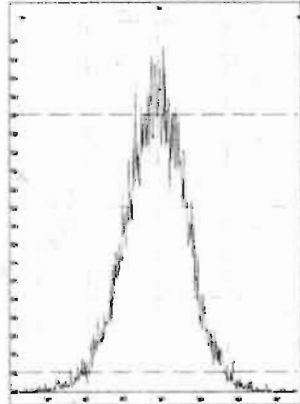
M 342.9792 R 10772



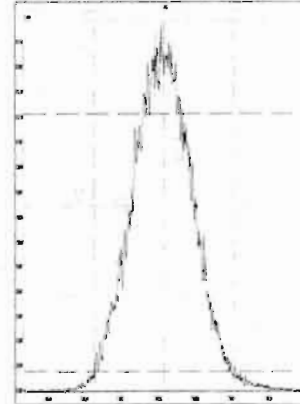
M 354.9792 R 10729



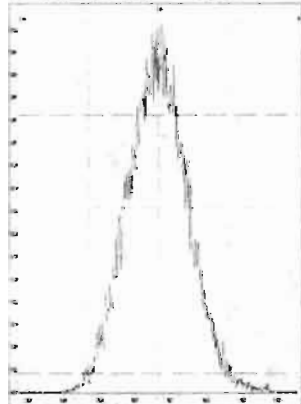
M 366.9792 R 10078



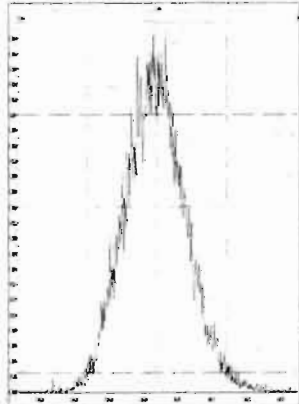
M 380.9760 R 10288



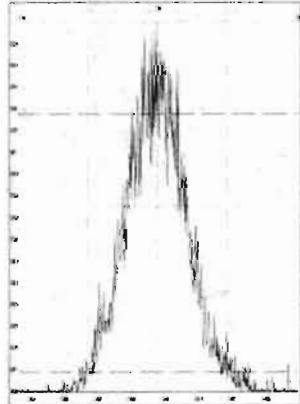
M 392.9760 R 10371



M 404.9760 R 10417



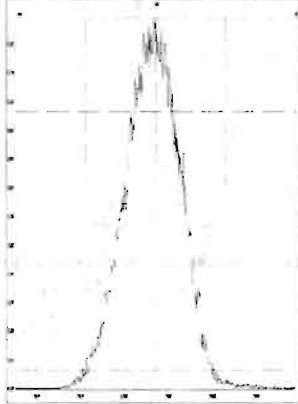
M 416.9760 R 10964



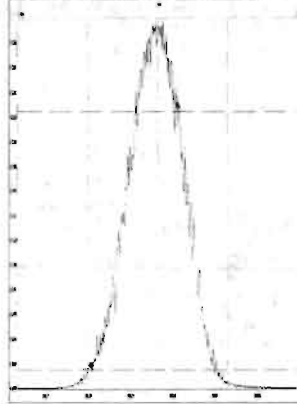
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Printed: Wednesday, April 29, 2020 13:22:18 Pacific Daylight Time

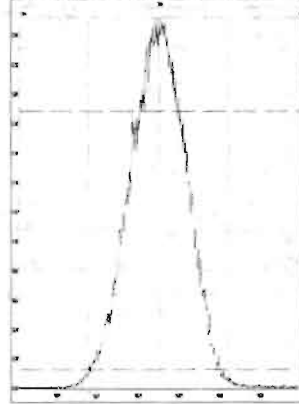
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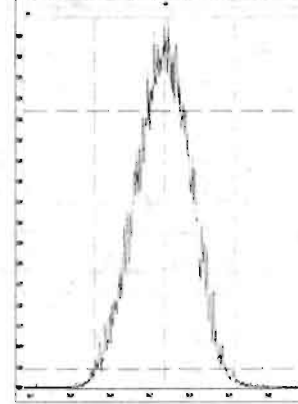
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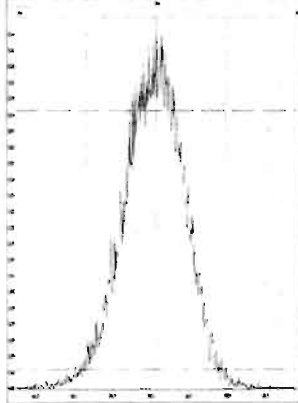
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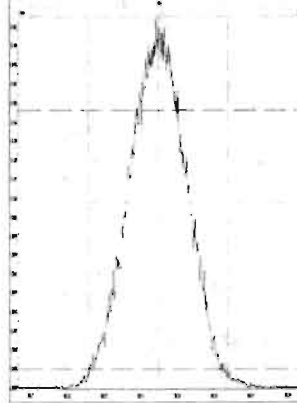
M 354.9792 R 11312



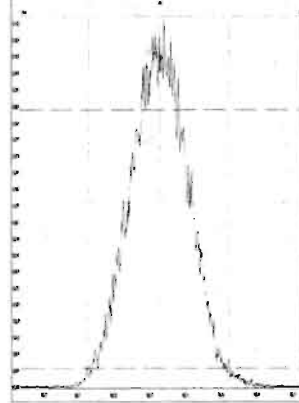
M 366.9792 R 10371



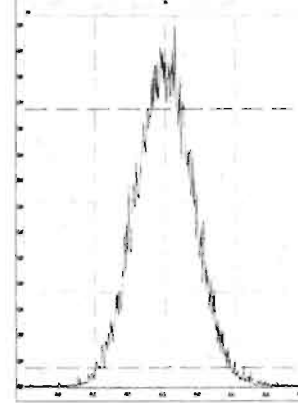
M 380.9760 R 10772



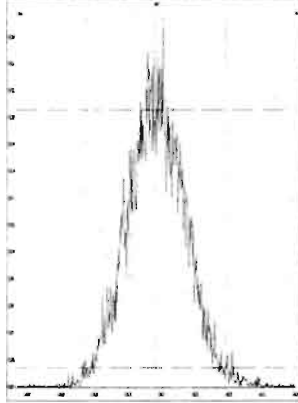
M 392.9760 R 10916



M 404.9760 R 10370



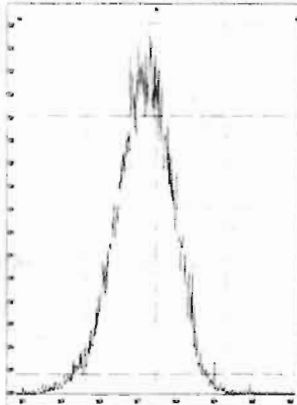
M 416.9760 R 10916



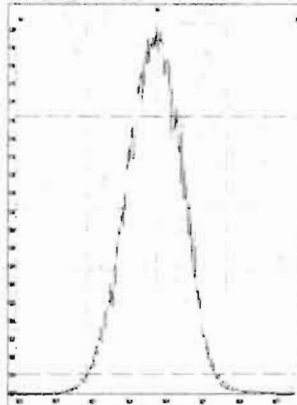
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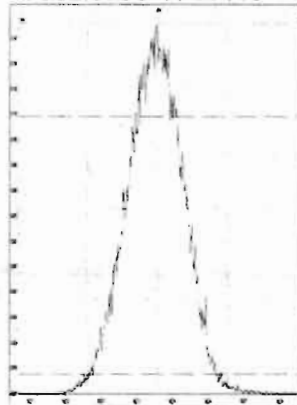
M 366.9792 R 11519



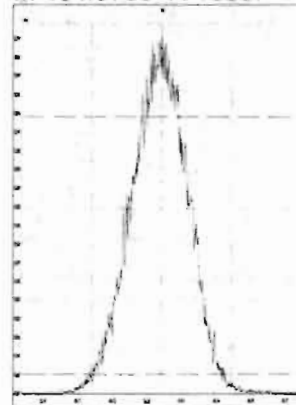
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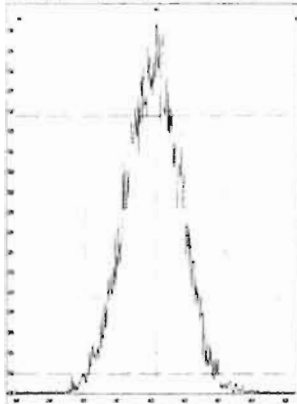
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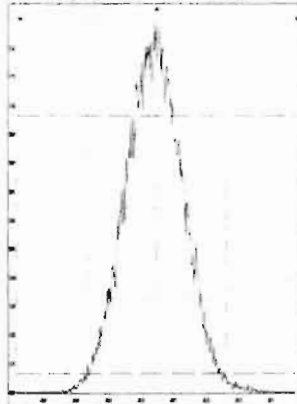
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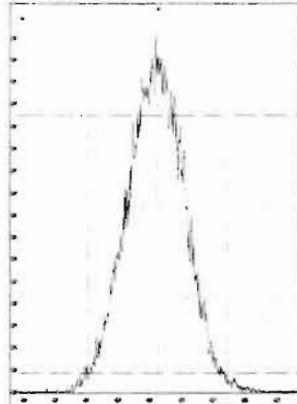
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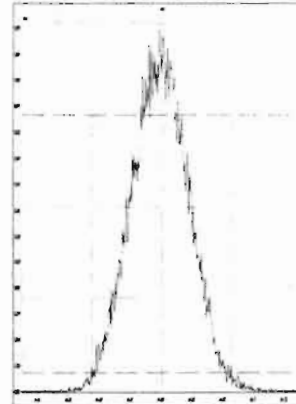
M 430.9728 R 10637



M 442.9728 R 10917



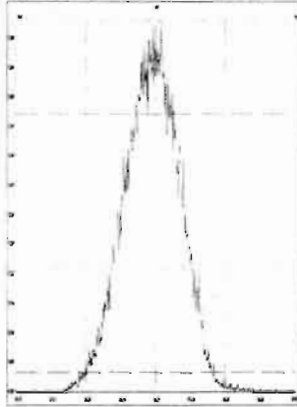
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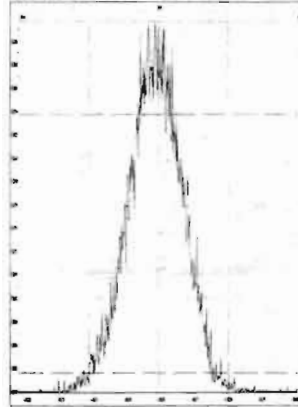
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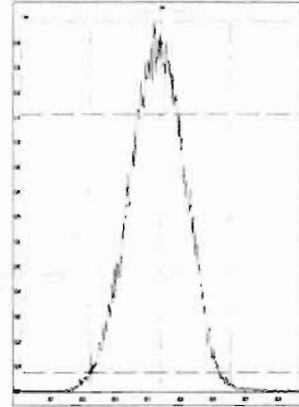
M 404.9760 R 11060



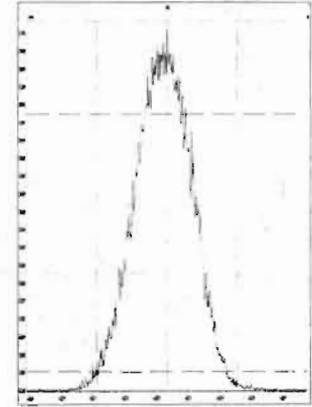
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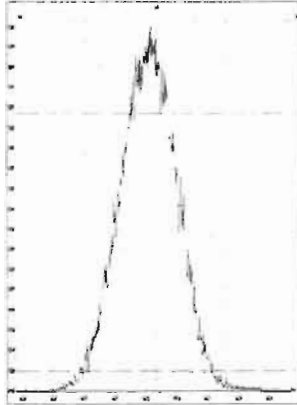
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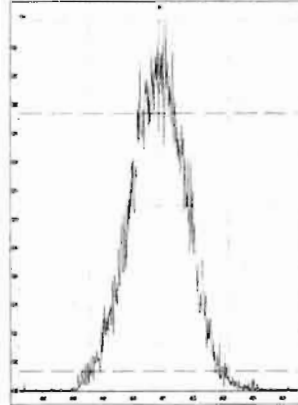
M 442.9728 R 10867



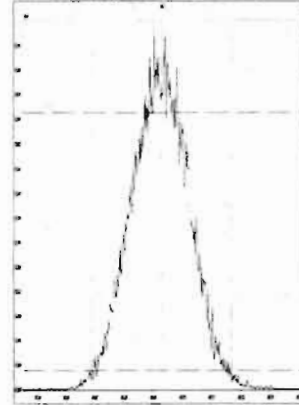
M 454.9728 R 10729



M 466.9728 R 11846



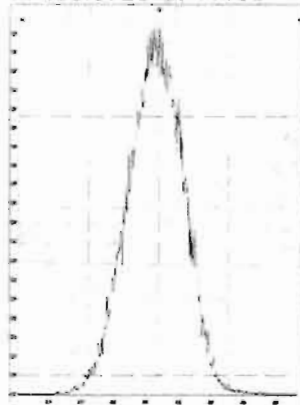
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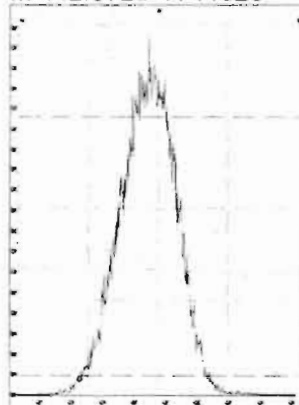
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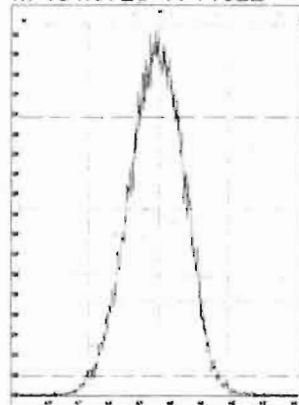
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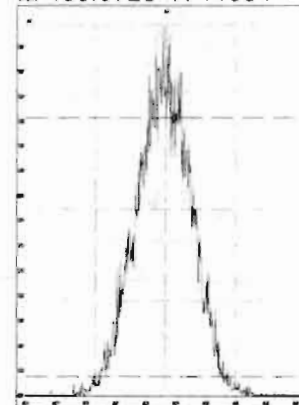
M 442.9728 R 11520



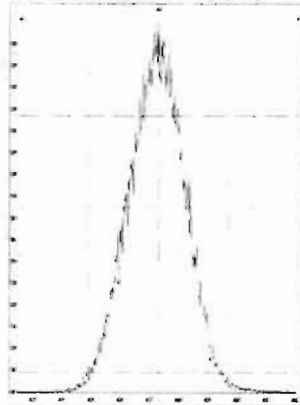
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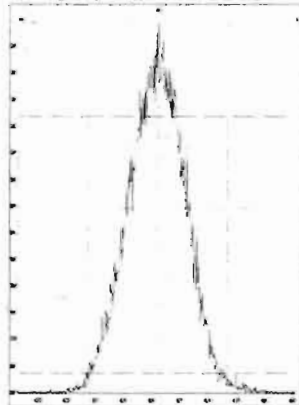
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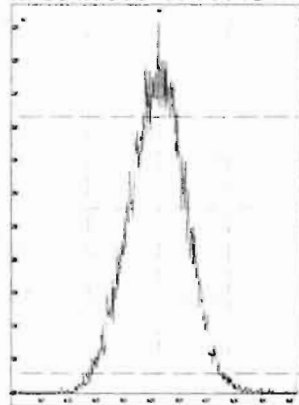
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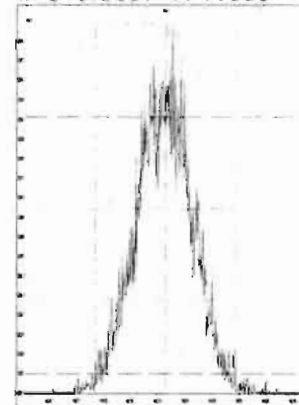
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M 504.9696 R 11110



M 516.9697 R 11365



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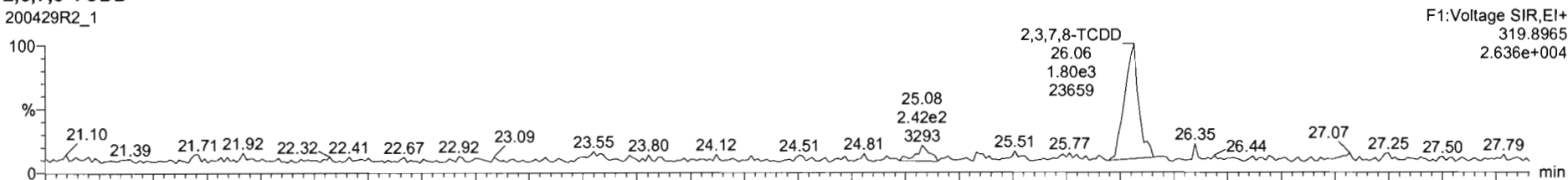
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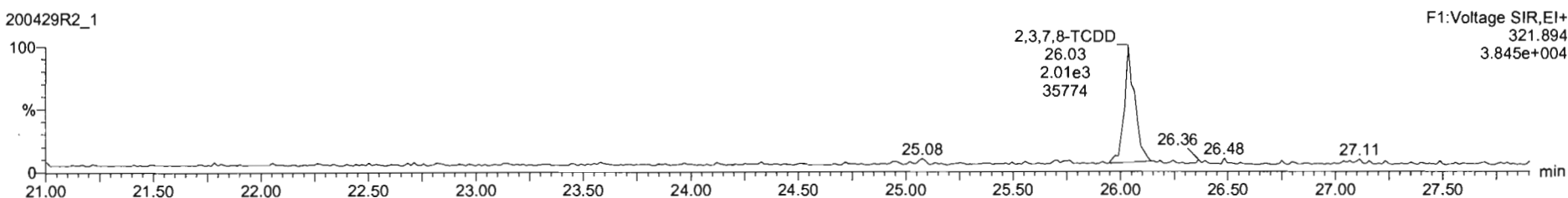
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2,3,7,8-TCDD

200429R2_1

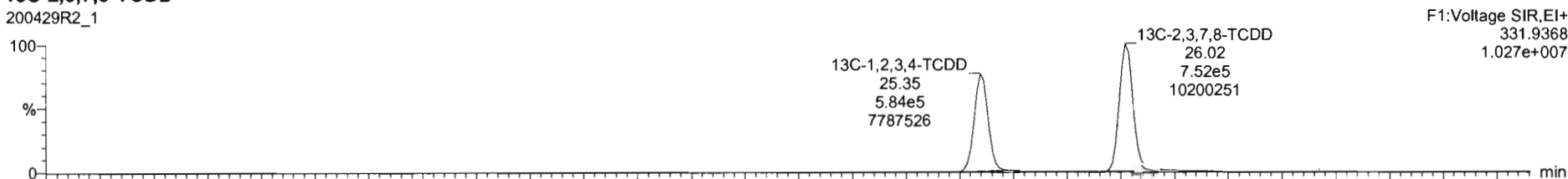


200429R2_1

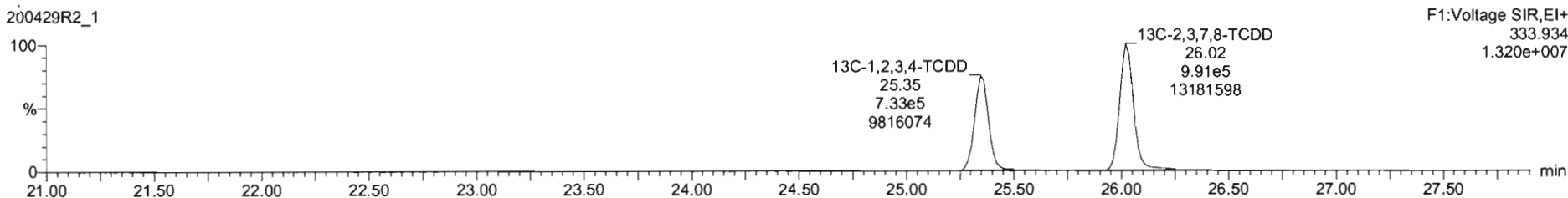


13C-2,3,7,8-TCDD

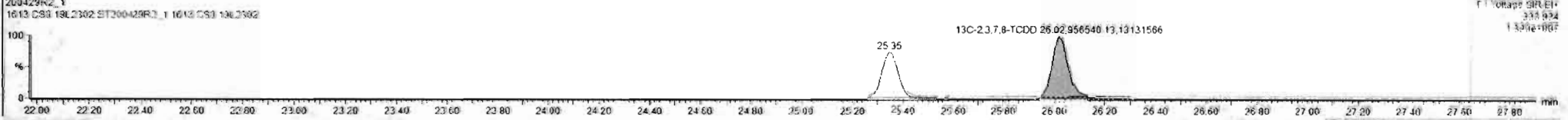
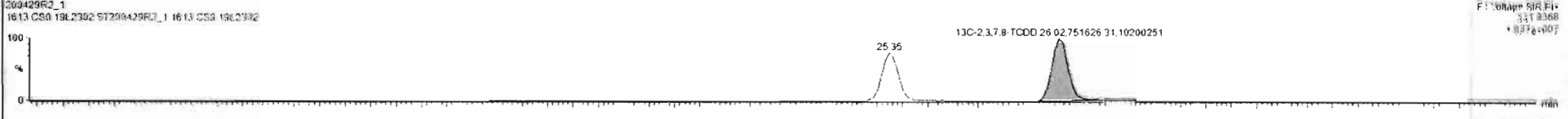
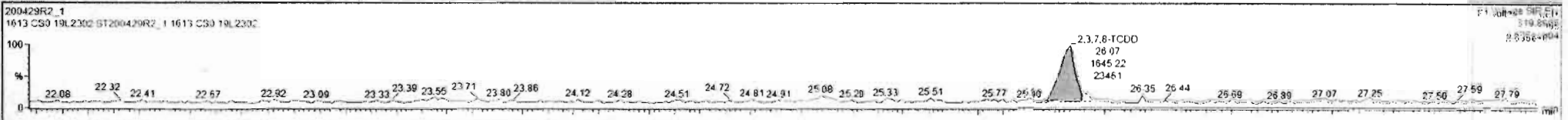
200429R2_1



200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.2	6.35	0.947	0.0587
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.6	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	28.38	1.084	NO	7.9301e3	8.1666e5	1.250	-13.5	6.93	0.896	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.6	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-3.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.54	1.134	NO	1.1393e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0568
12	1,2,3,6,7,8-HxCDF	33.76	1.234	NO	1.2594e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0706
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



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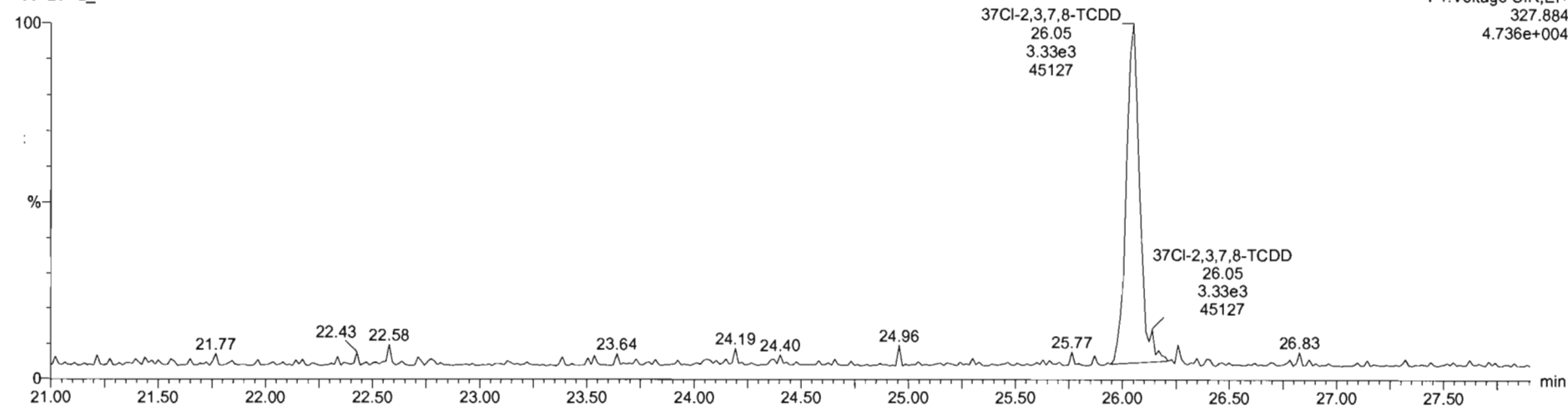
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37Cl-2,3,7,8-TCDD

200429R2_1

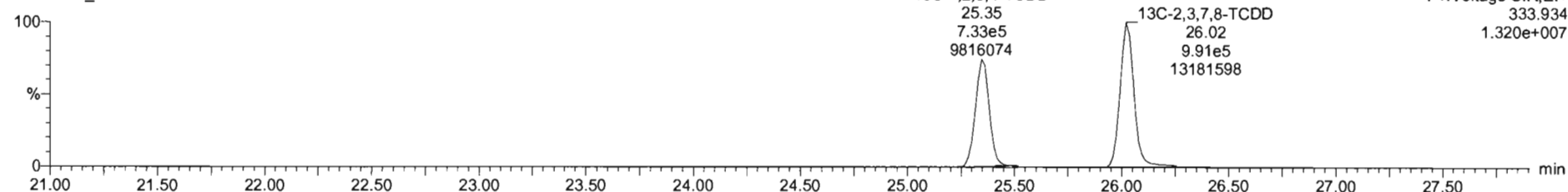


13C-1,2,3,4-TCDD

200429R2_1



200429R2_1



Dataset: Untitled

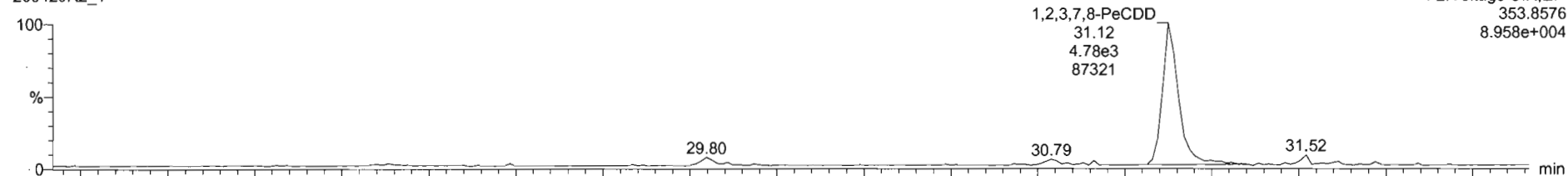
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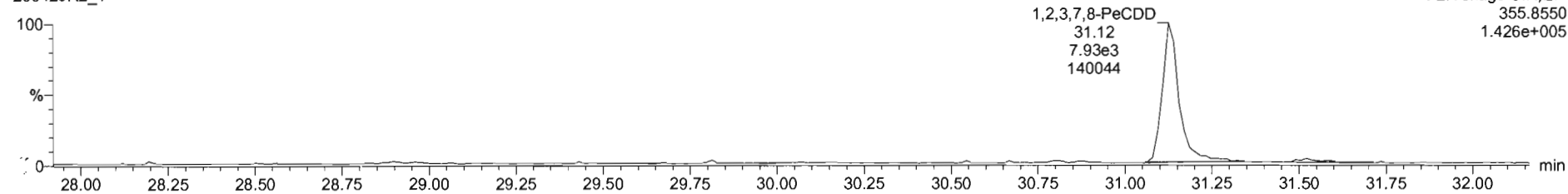
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1,2,3,7,8-PeCDD

200429R2_1

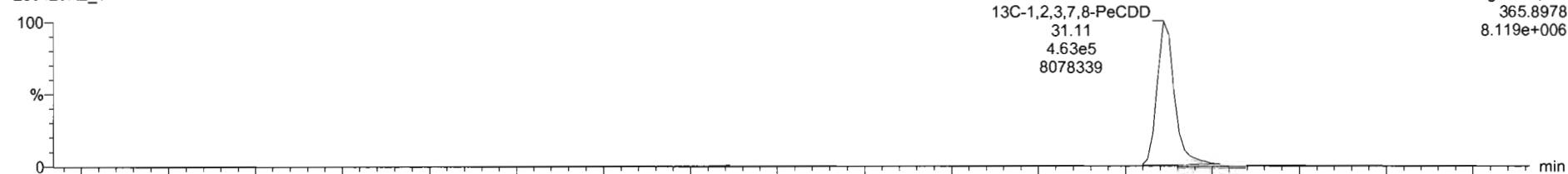


200429R2_1

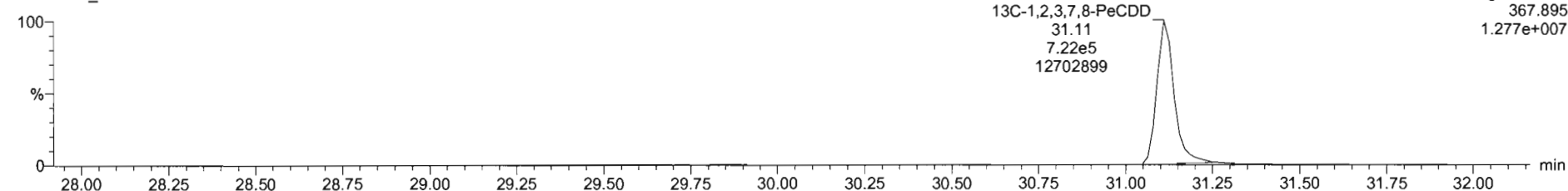


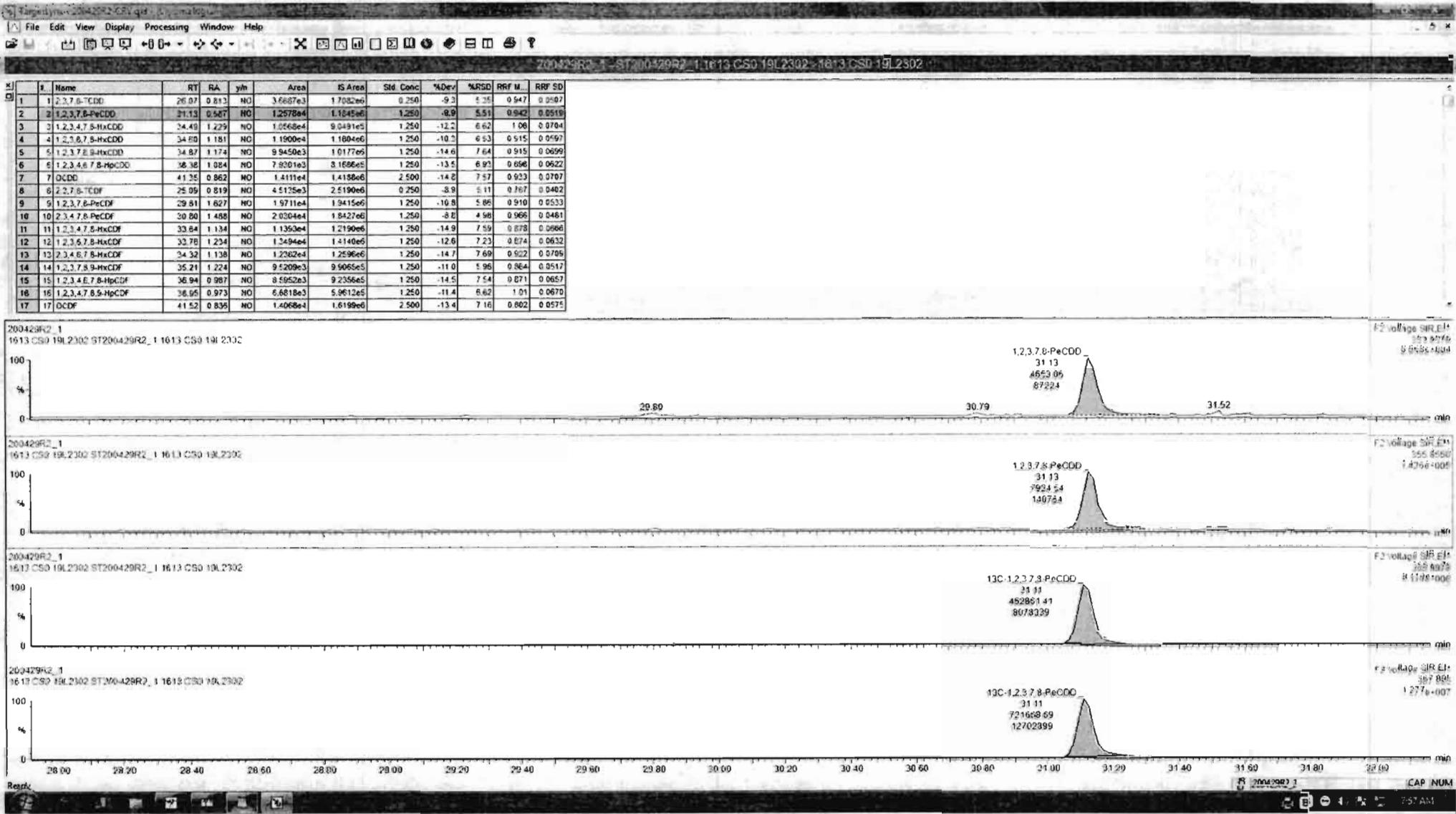
13C-1,2,3,7,8-PeCDD

200429R2_1



200429R2_1





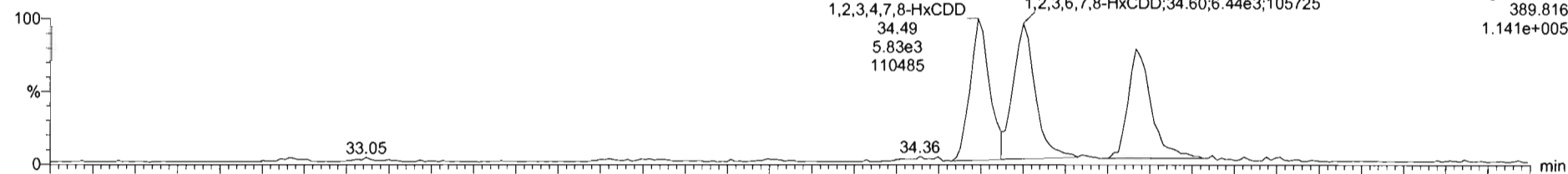
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

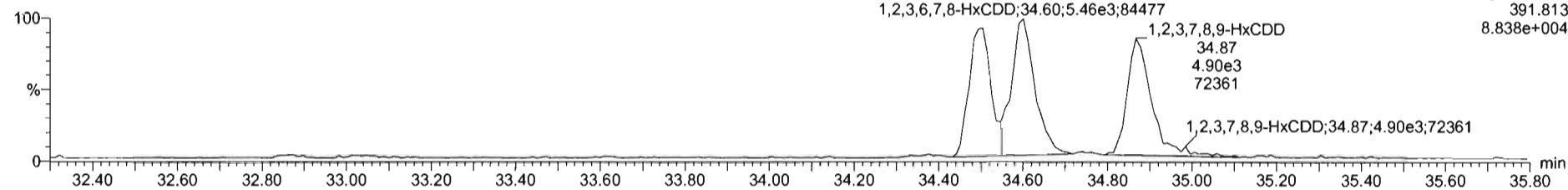
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1,2,3,4,7,8-HxCDD

200429R2_1

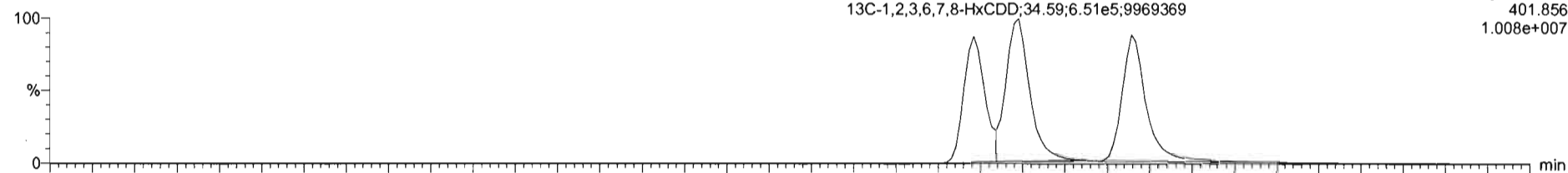


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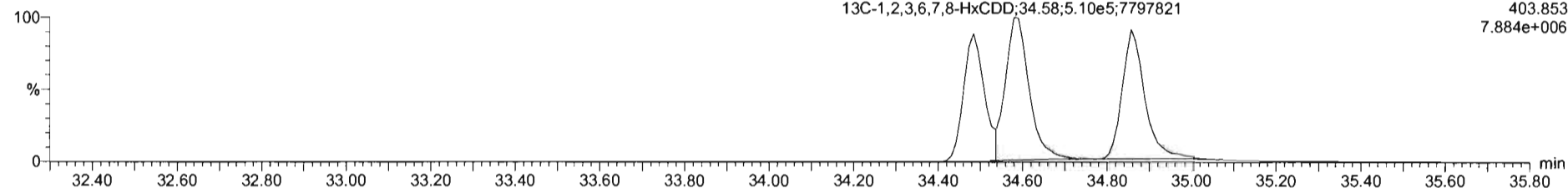


13C-1,2,3,4,7,8-HxCDD

200429R2_1

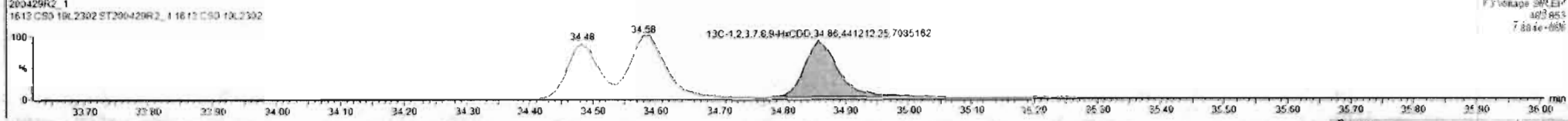
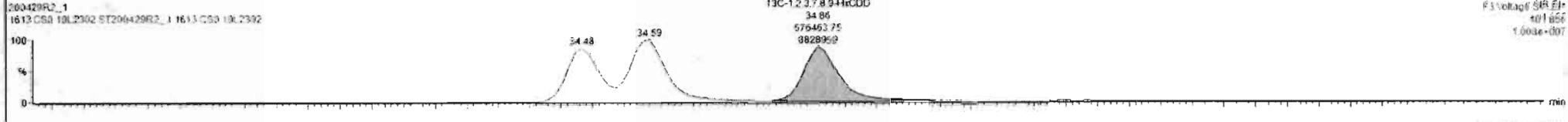
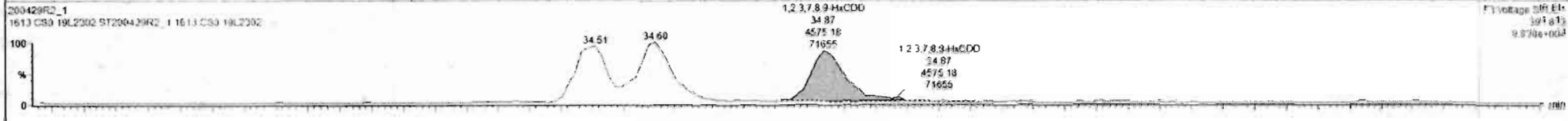
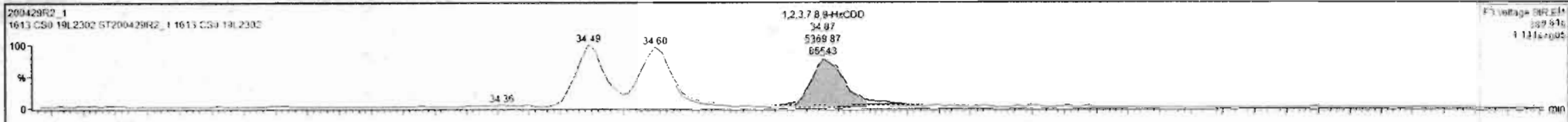


200429R2_1



200429R2_1 - ST200429R2_1 1613 CS0 19L2302 - 1613 CS0 19L2302

#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.913	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.67	1.174	NO	9.9450e3	1.0177e6	1.250	-14.4	7.64	0.915	0.0590
6	1,2,3,4,6,7,8-HpCDD	36.38	1.054	NO	7.9201e3	8.1666e5	1.250	-13.5	8.93	0.656	0.0522
7	OCDD	41.35	0.862	NO	1.4111e4	1.4186e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.95	0.919	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.027	NO	1.9711e4	1.9415e6	1.250	-10.8	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1393e4	1.2190e6	1.250	-14.3	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0789
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	DCDF	41.52	0.836	NO	1.4066e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



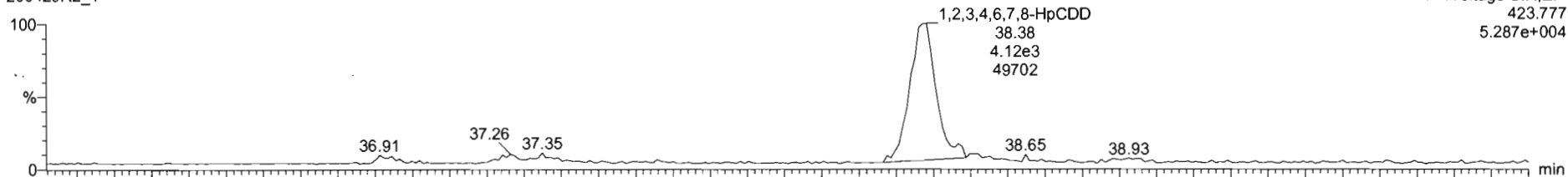
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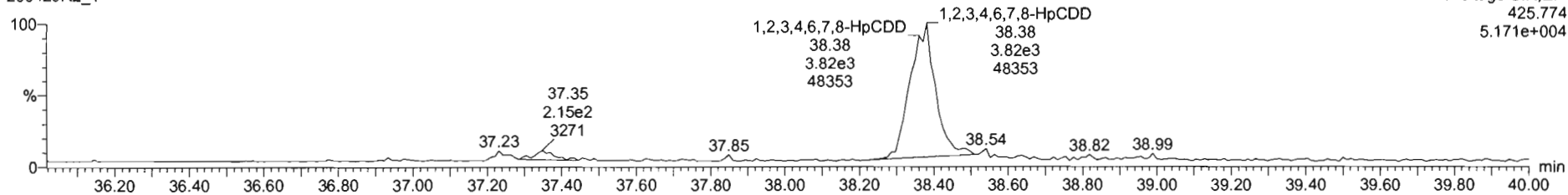
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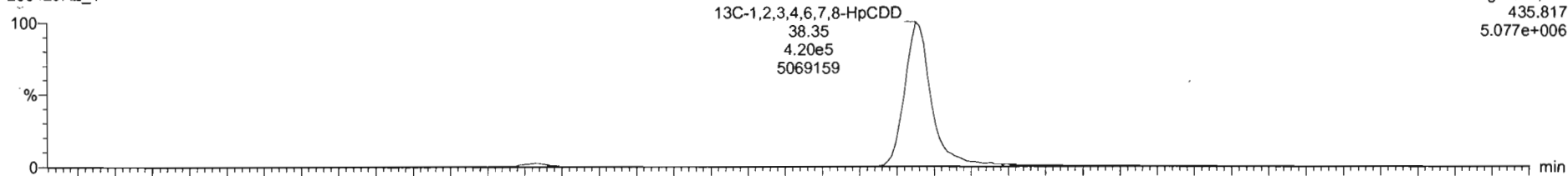


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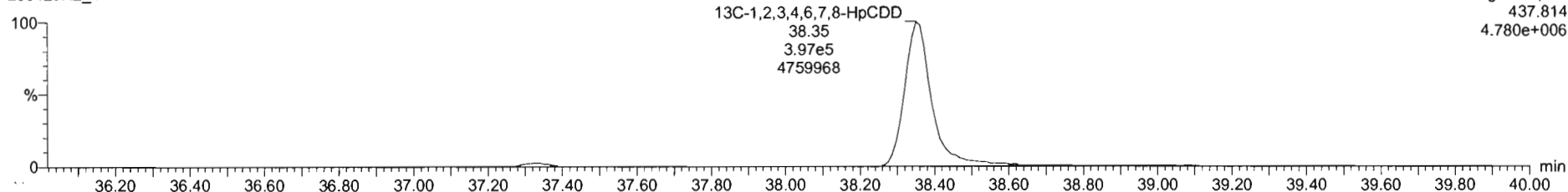


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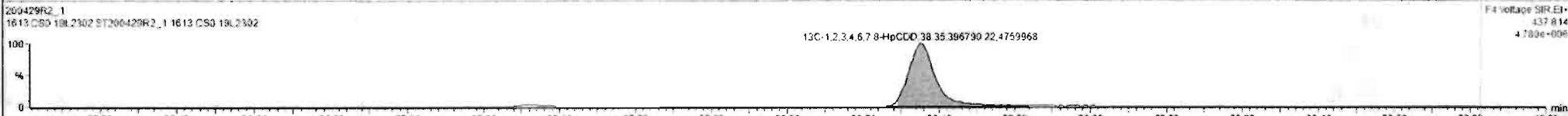
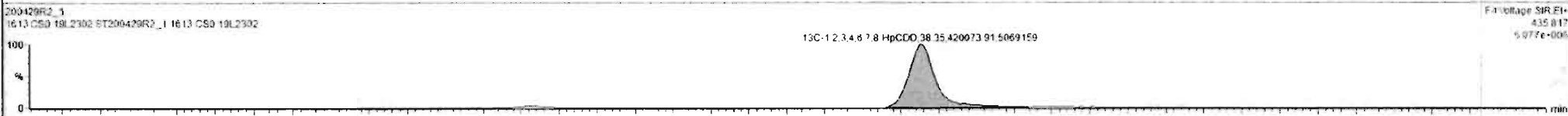
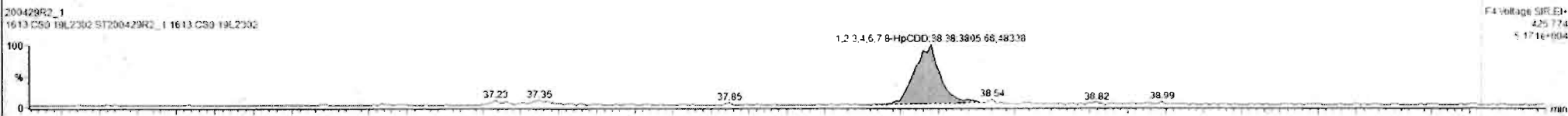
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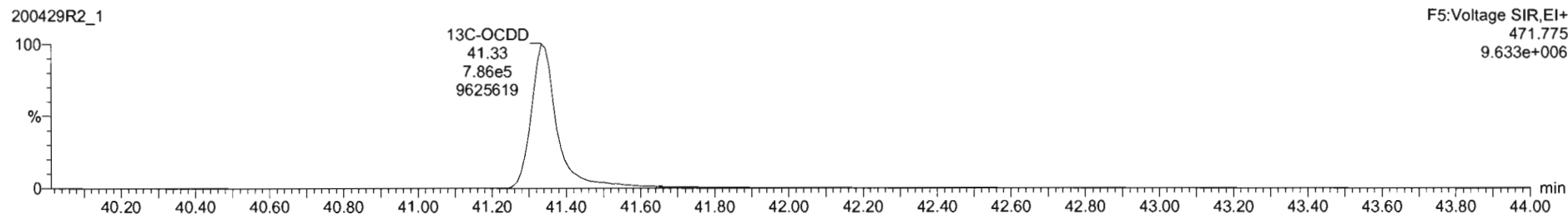
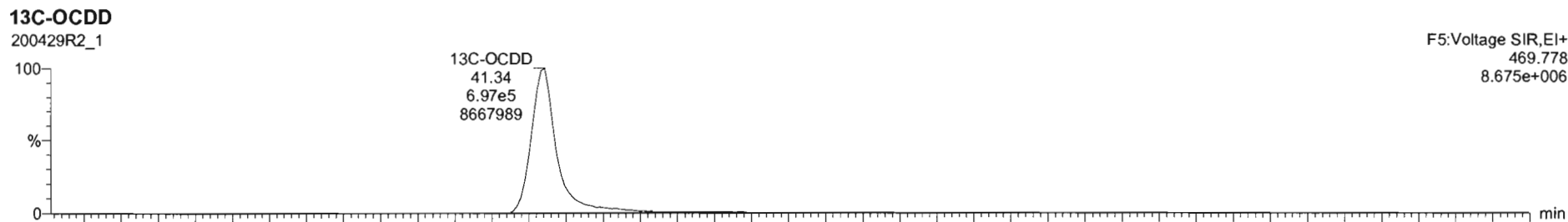
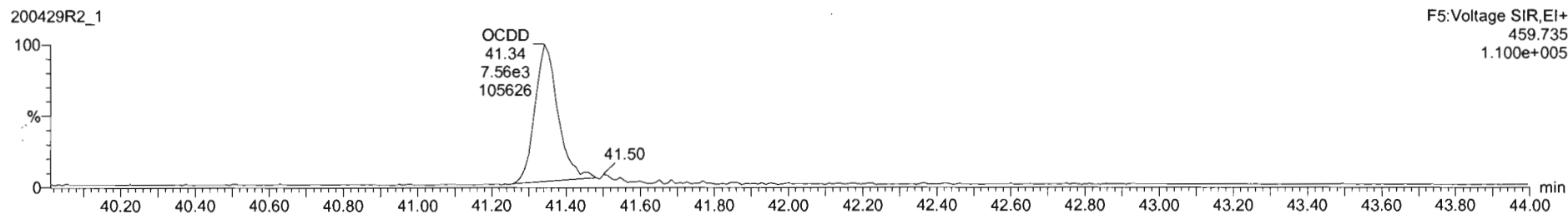
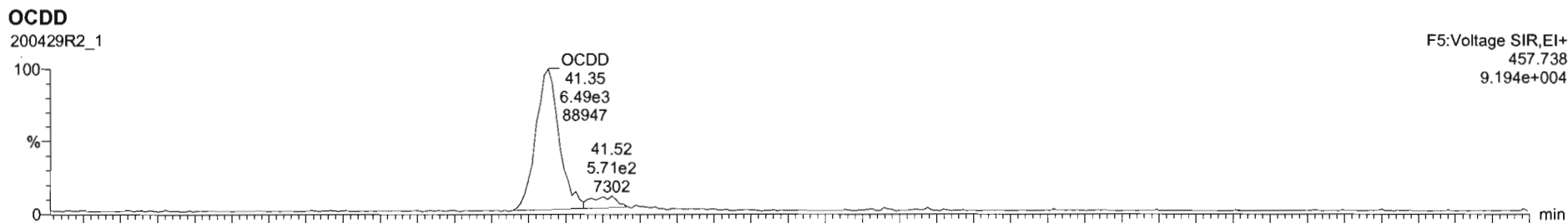
#	Name	RT	RA	y/h	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,6-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.6491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1694e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0117e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.554	NO	7.9501e3	2.1666e5	1.250	-13.5	8.93	0.898	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,6,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2150e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0627
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8818e3	5.9812e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



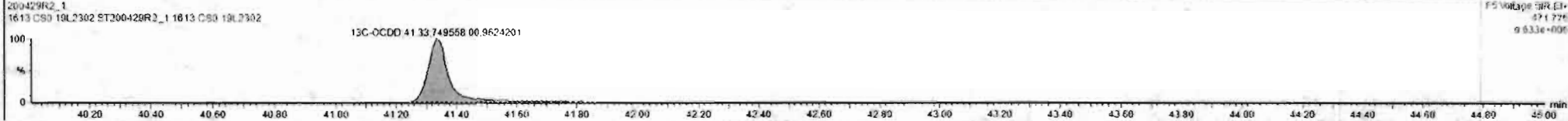
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#	Name	RT	RA	Yn	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.97	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0407
2	1,2,3,7,8-PeCDD	31.12	0.587	NO	1.2678e4	1.1845e6	1.250	-8.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.9568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1906e4	1.1604e6	1.250	-10.2	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4189e6	2.500	-14.5	7.57	0.933	0.0767
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.96	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.455	NO	2.0204e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1933e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.234	NO	1.3454e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.927	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.967	NO	8.5552e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6218e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.862	0.0575



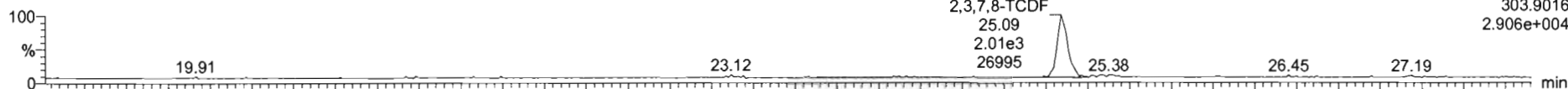
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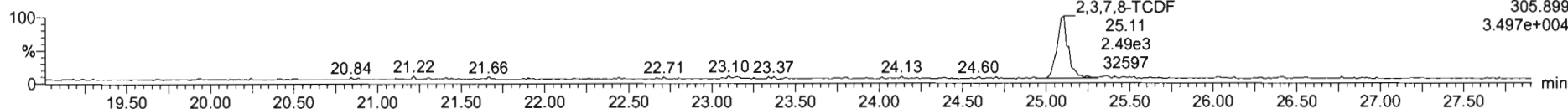
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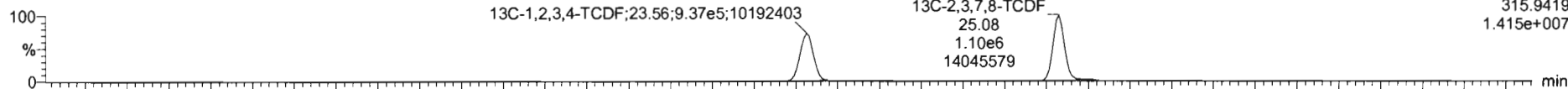


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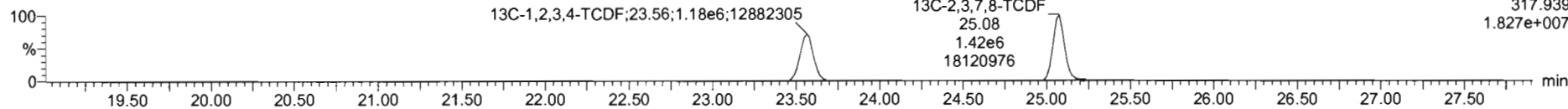


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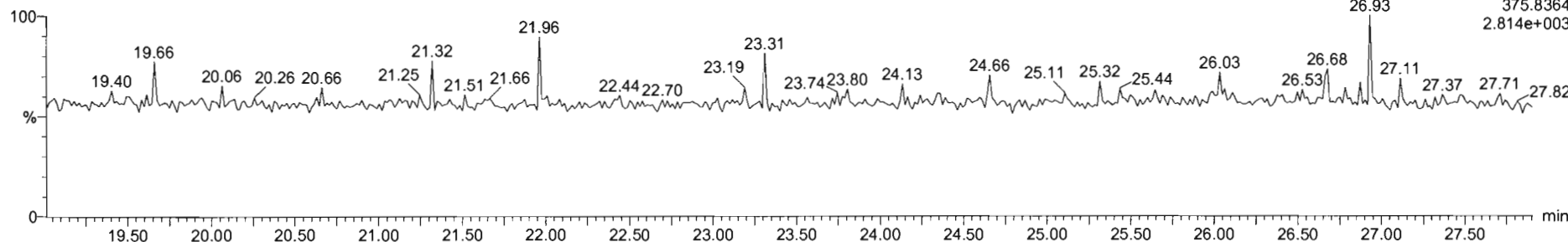


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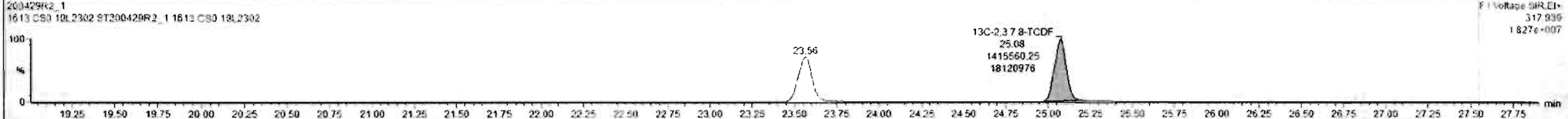
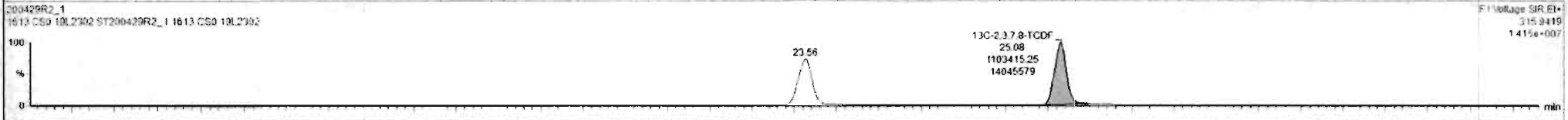
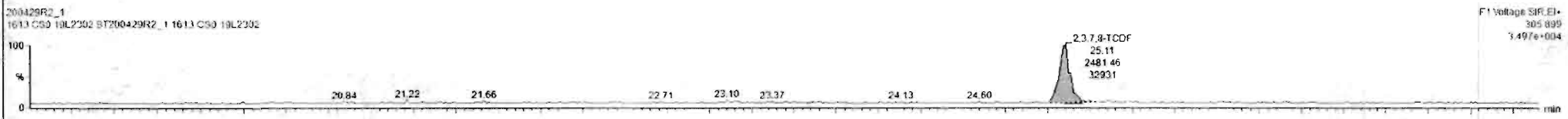
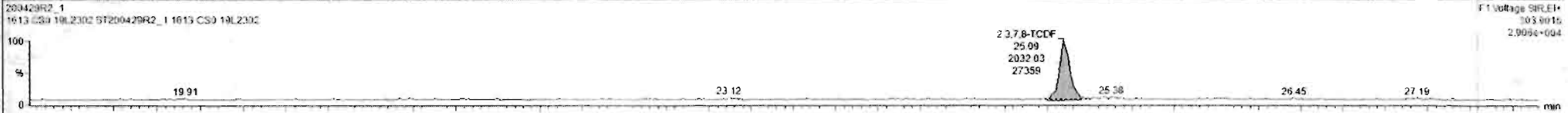


DPE1

200429R2_1



#	Name	RT	RA	Yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDF	26.07	0.813	NO	3.6607e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.13	0.587	NO	1.2578e4	1.1545e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.001e3	3.1686e5	1.250	-13.5	6.93	0.698	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.0	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5135e3	2.5190e6	0.250	-8.9	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.0	4.98	0.968	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0568
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.2494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9085e5	1.250	-11.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	3.5952e3	9.2386e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8018e3	5.9812e5	1.250	-11.4	6.82	1.01	0.0879
17	OCDF	41.52	0.838	NO	1.4068e4	1.6198e6	2.500	-13.4	7.16	0.802	0.0575



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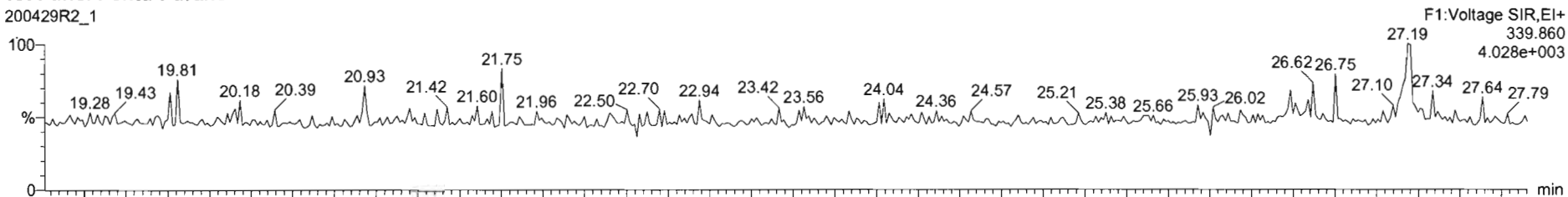
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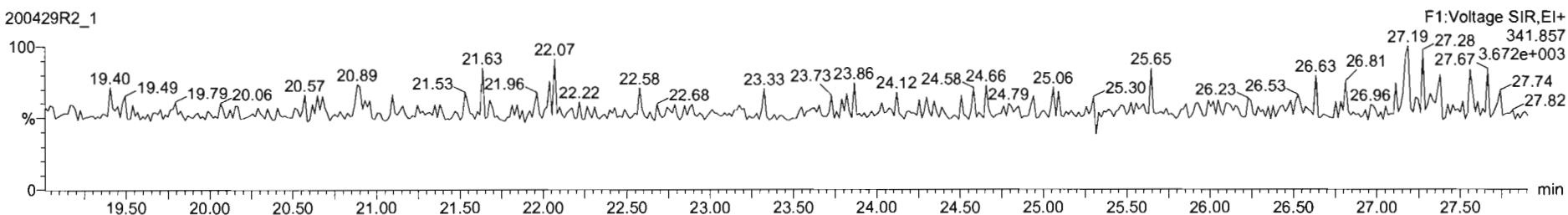
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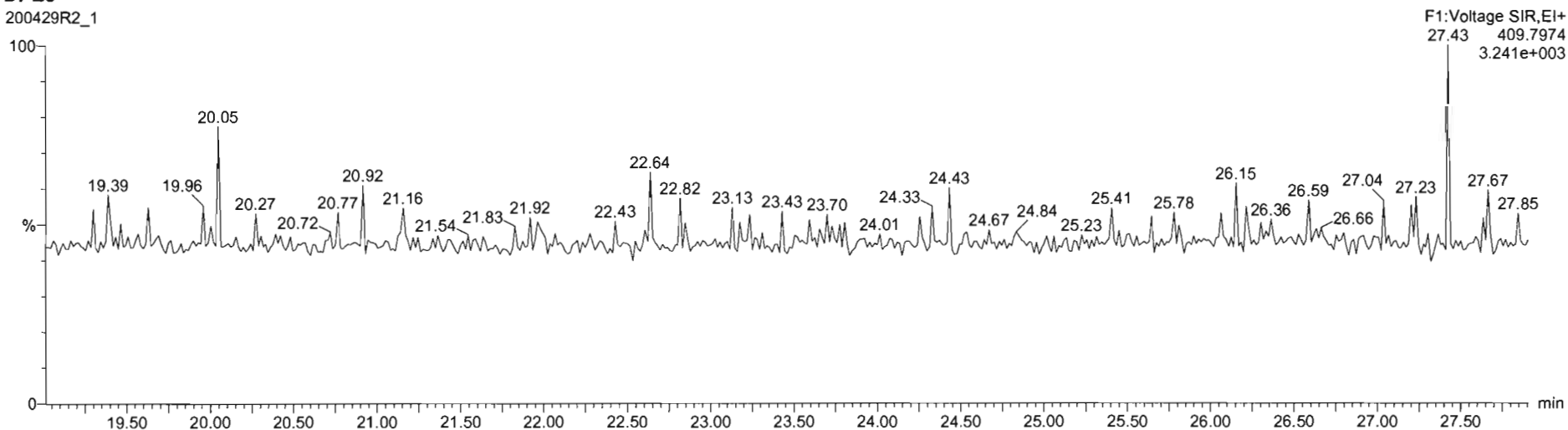


200429R2_1



DPE6

200429R2_1

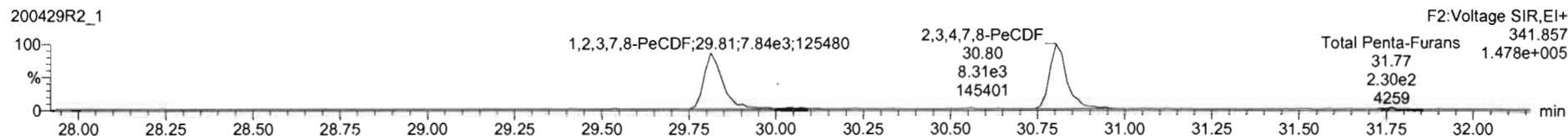
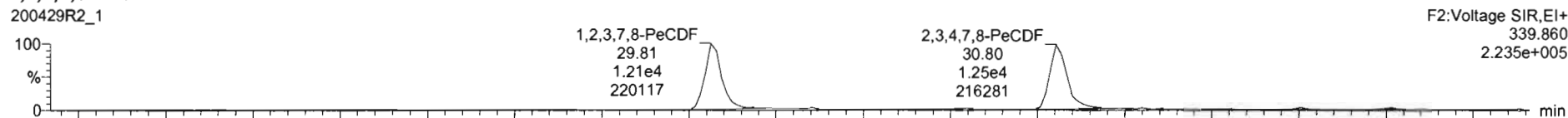


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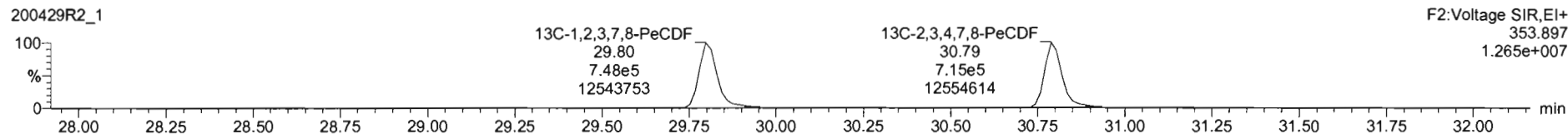
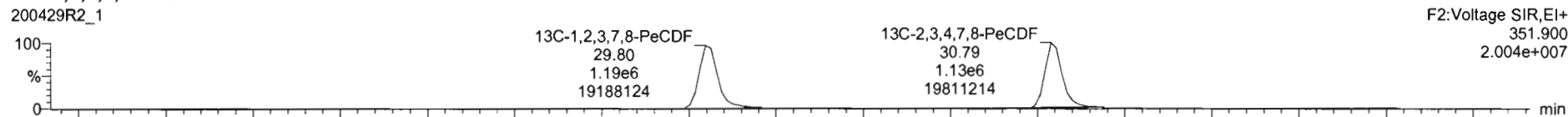
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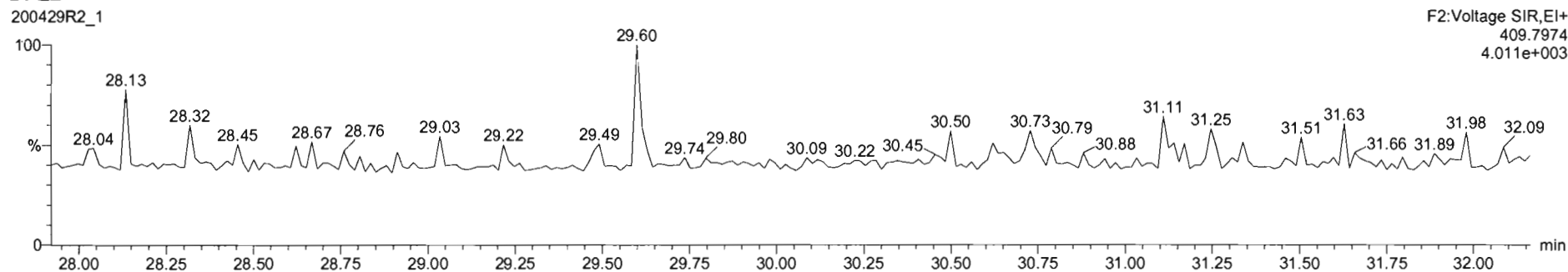
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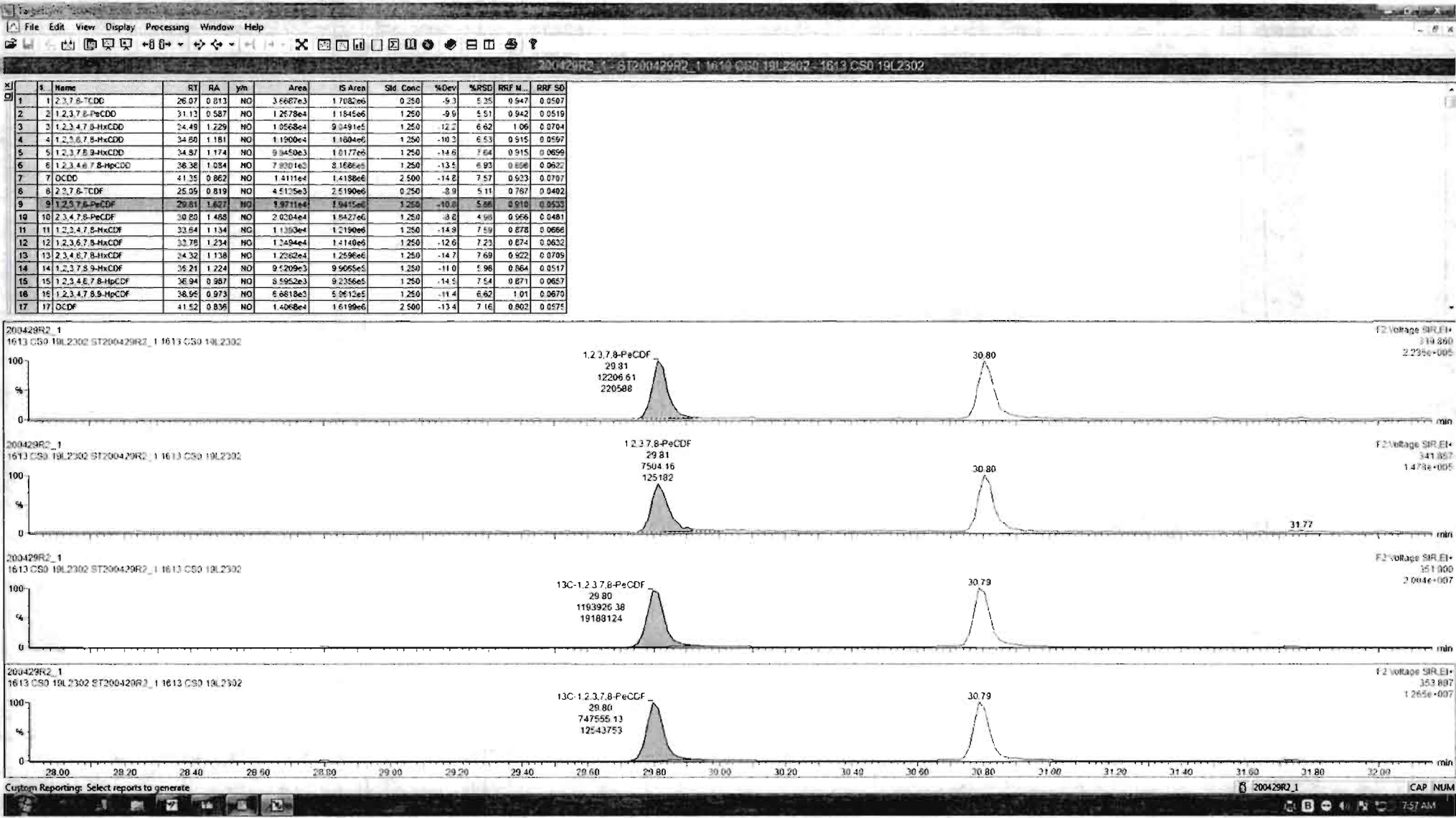


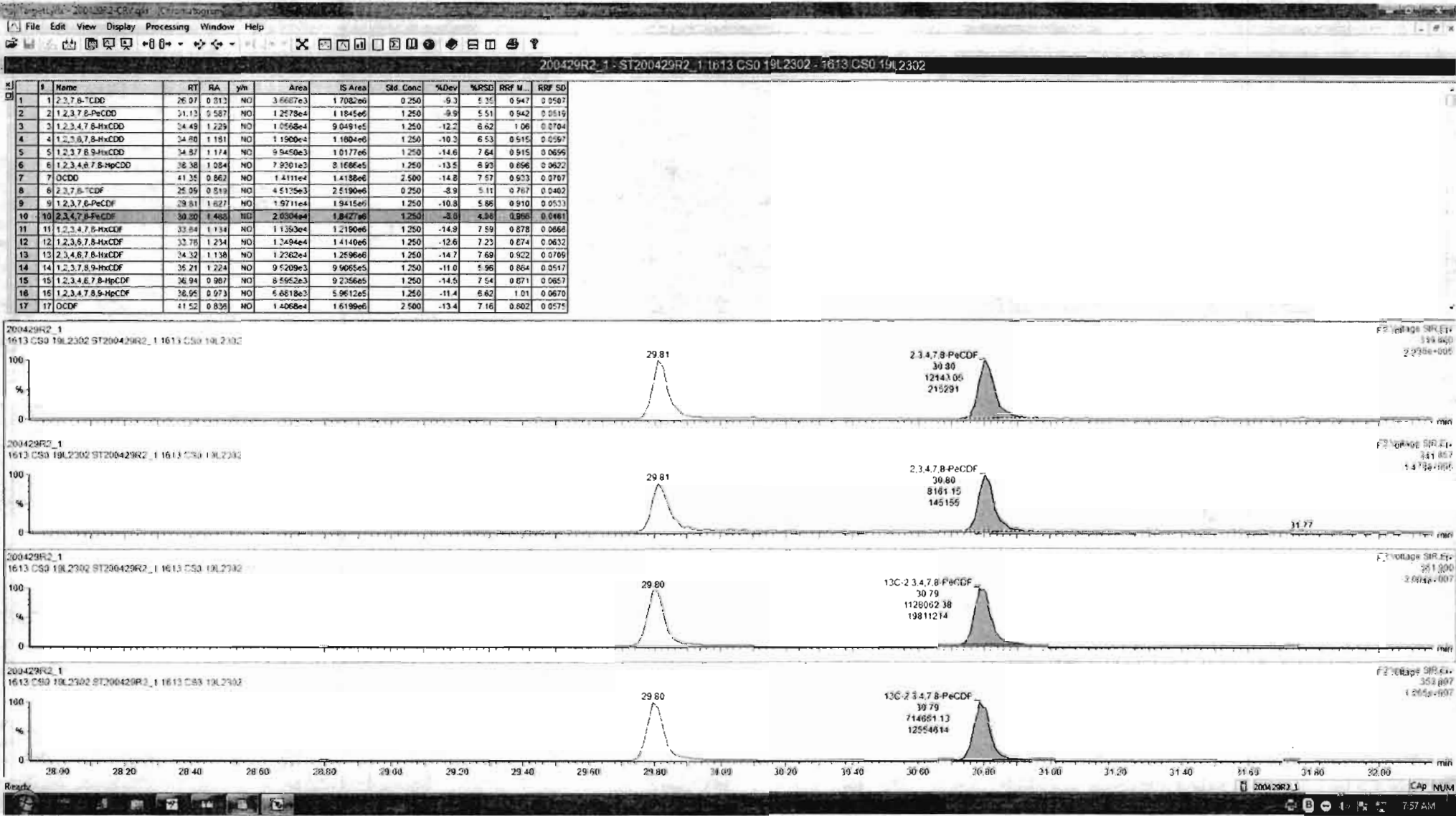
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DPE2







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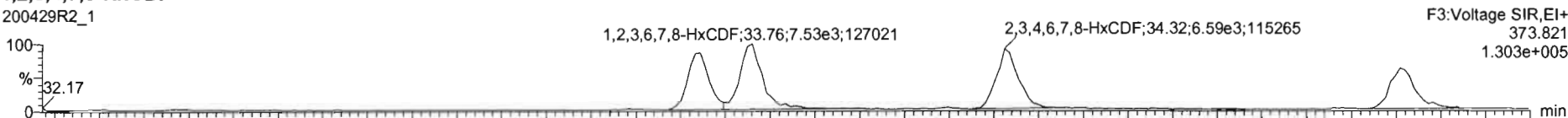
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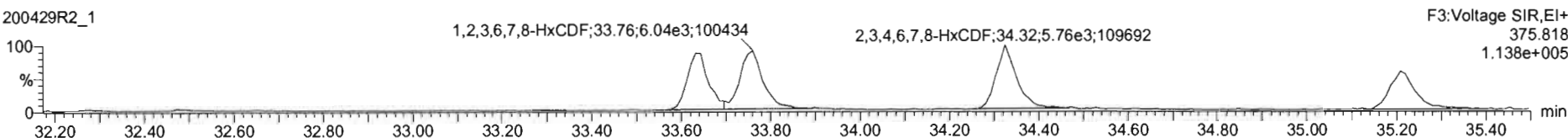
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1,2,3,4,7,8-HxCDF

200429R2_1

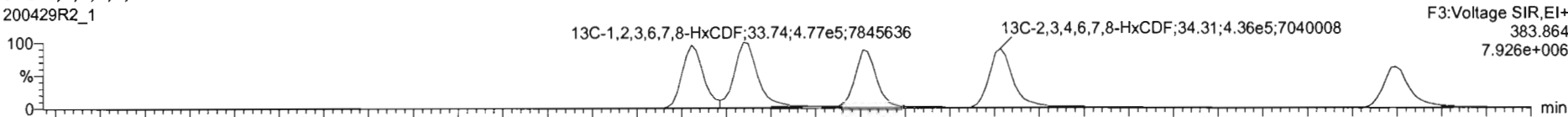


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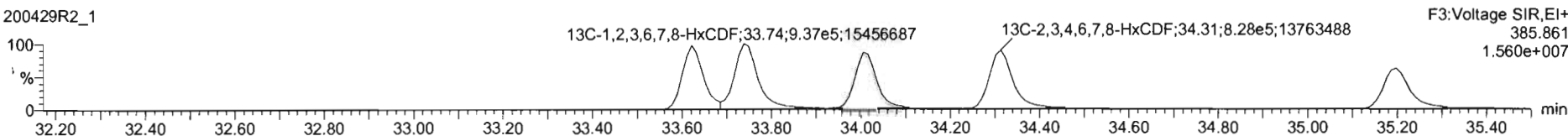


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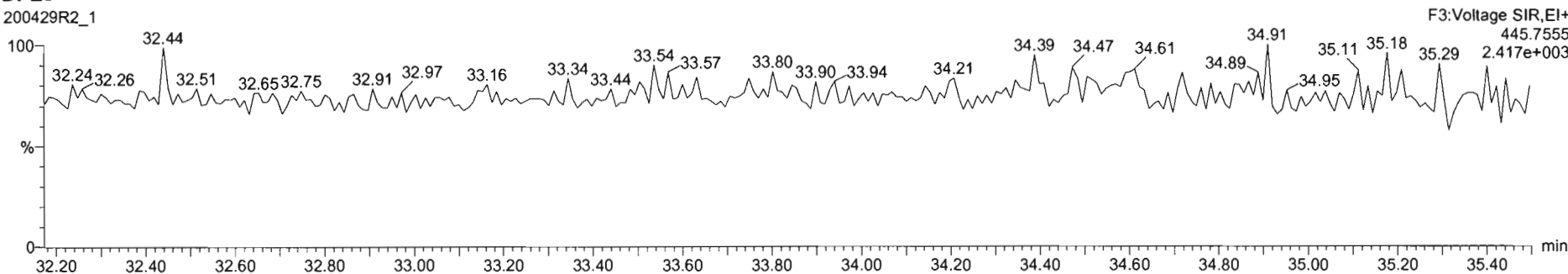


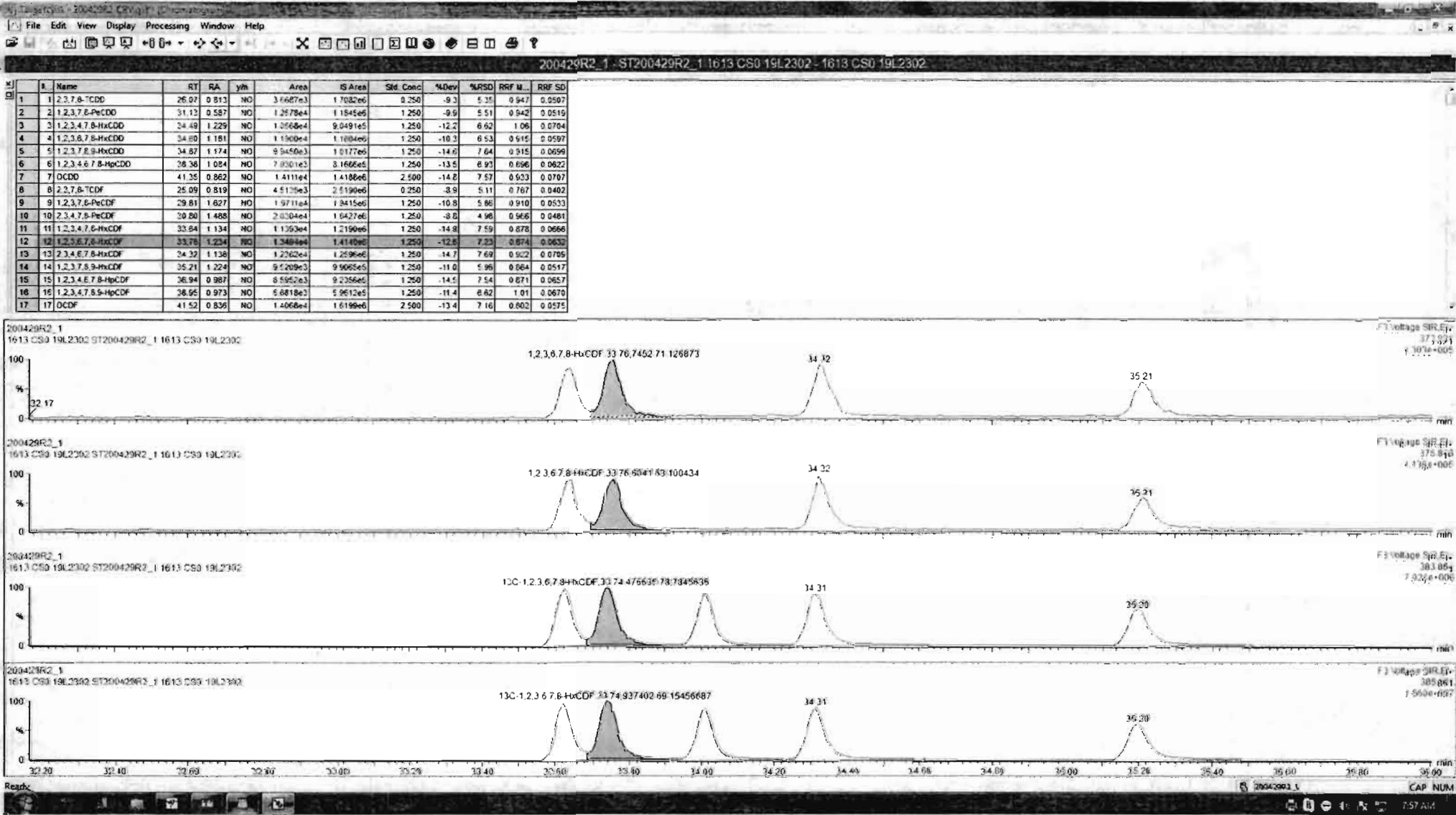
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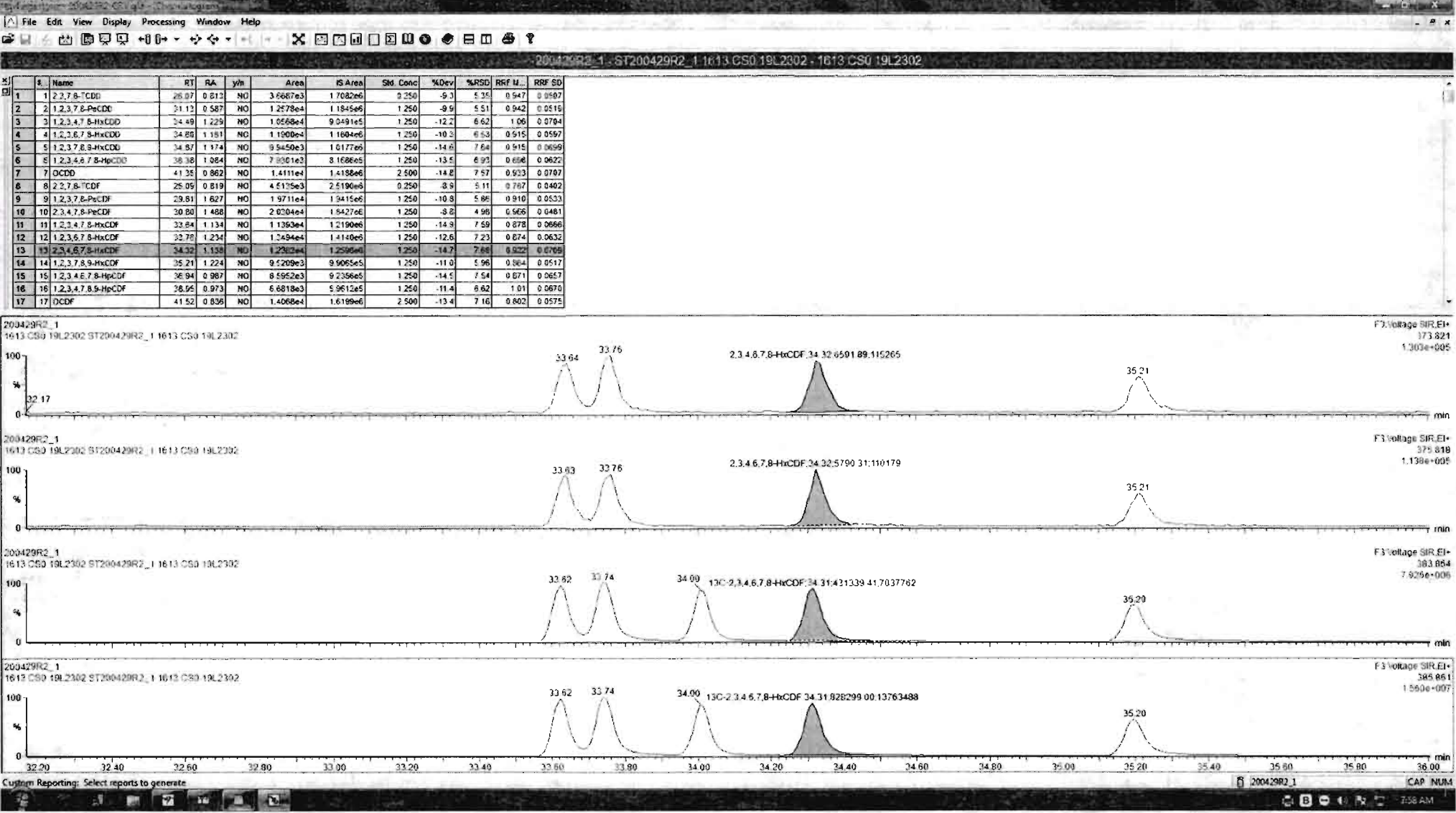


DPE3

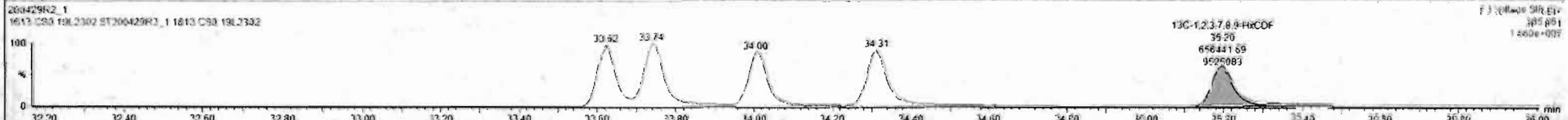
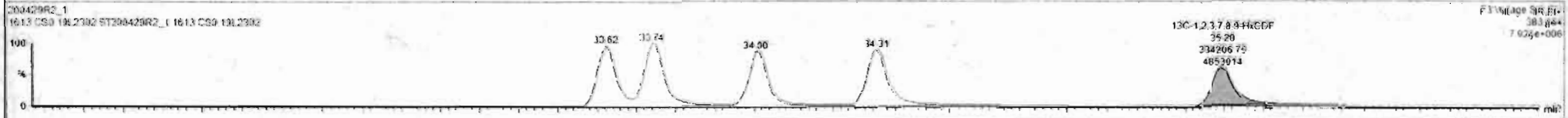
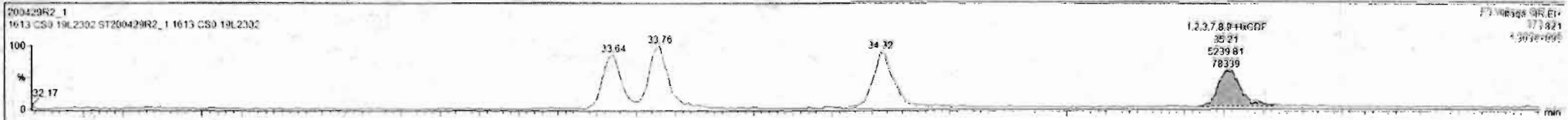
200429R2_1







#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	6.30	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2178e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1688e6	1.250	-10.3	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.5450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.9016e3	3.1686e5	1.250	-13.5	6.92	0.696	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.0	7.57	0.623	0.0707
8	1,2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.4196e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.488	NO	2.004e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.37	1.138	NO	1.2062e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.704	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.94	0.967	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.82	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4066e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



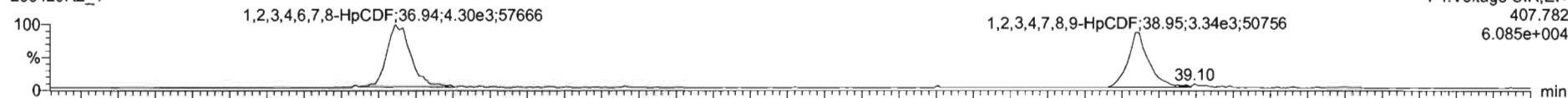
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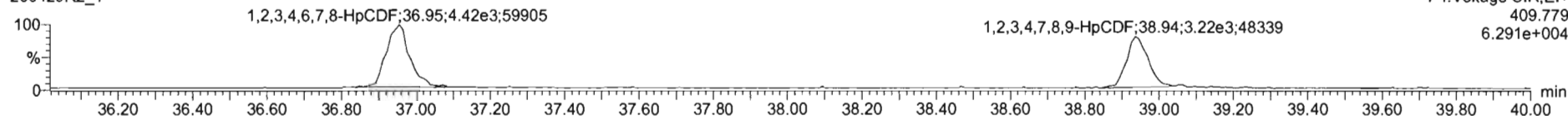
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1,2,3,4,6,7,8-HpCDF

200429R2_1

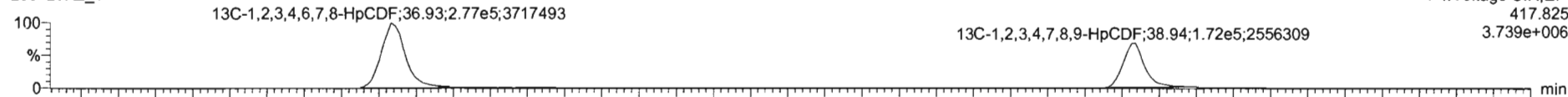


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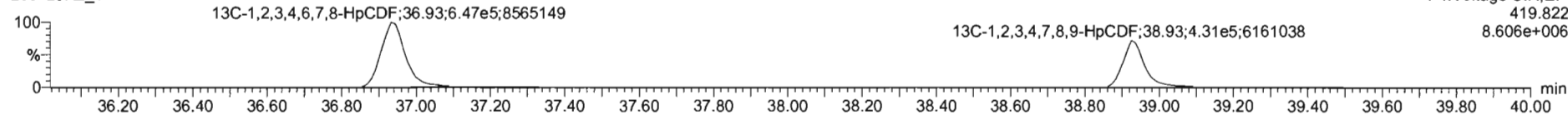


13C-1,2,3,4,6,7,8-HpCDF

200429R2_1

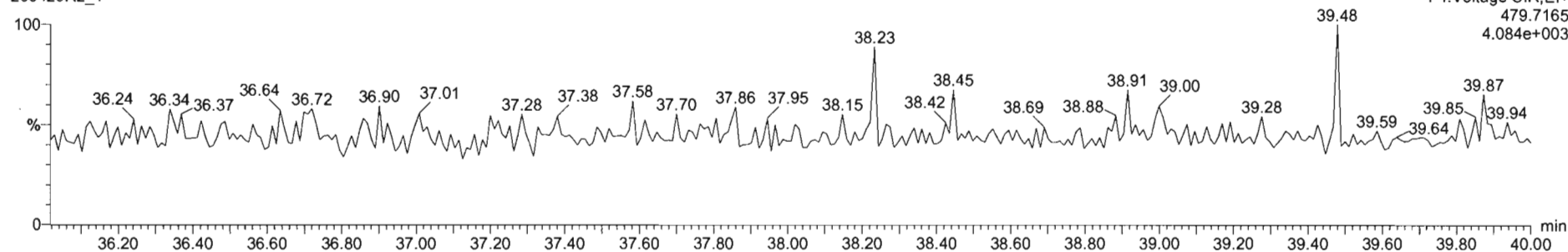


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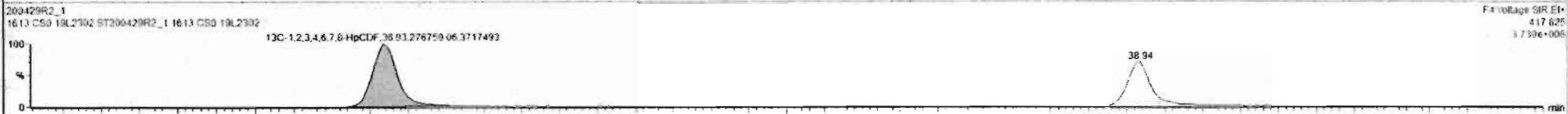
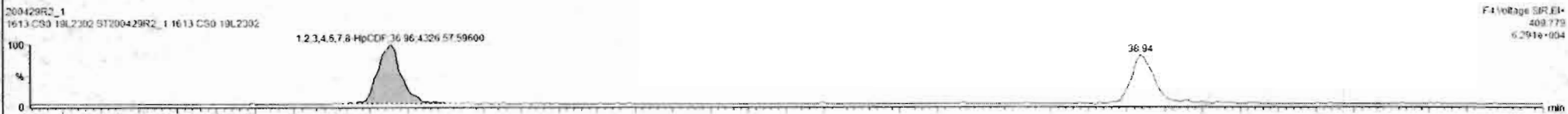
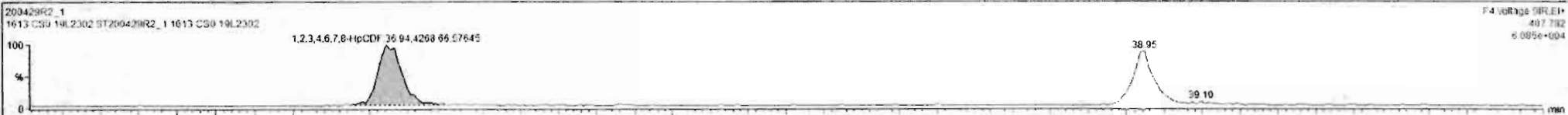


DPE4

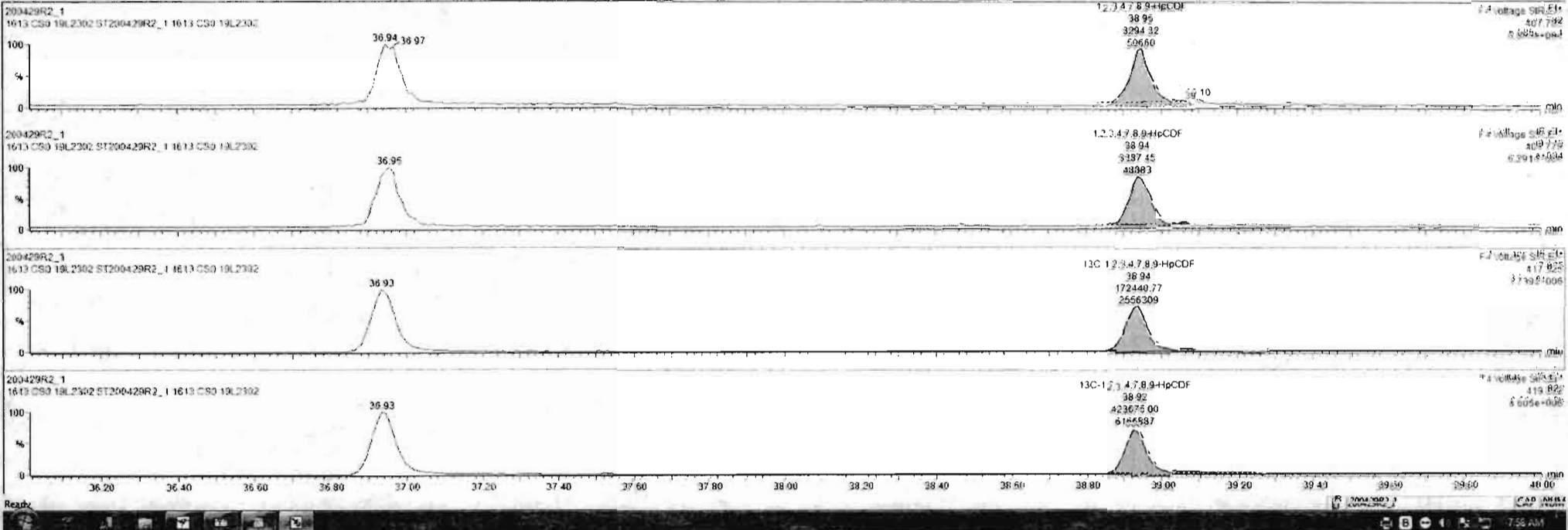
200429R2_1



#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7087e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2678e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.9491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1696e5	1.250	-13.5	6.93	0.656	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	1,2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-3.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.66	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.80	1.468	NO	2.9304e4	1.8427e6	1.250	-8.2	4.98	0.968	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.68	0.922	0.0789
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.984	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5862e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	38.95	0.873	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	9.3	6.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.5	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.161	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.515	0.0592
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.054	NO	7.9301e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4198e6	2.500	-14.0	7.57	0.923	0.0702
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.458	NO	2.0204e4	1.9427e6	1.250	-8.0	4.98	0.566	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.674	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.6065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8019e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.826	NO	1.4066e4	1.6199e6	2.500	-13.4	7.10	0.802	0.0575

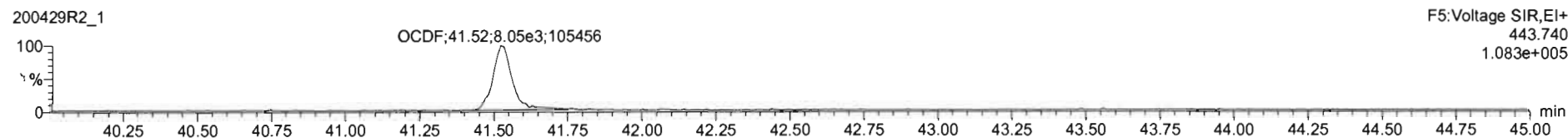


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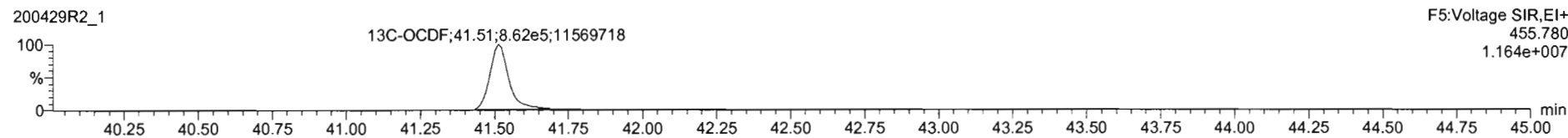
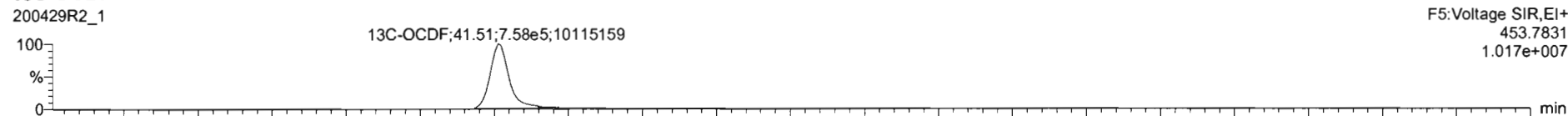
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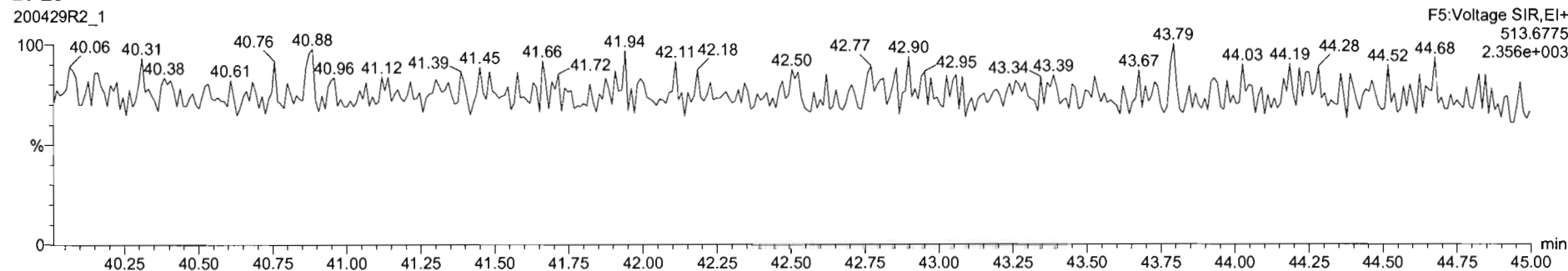
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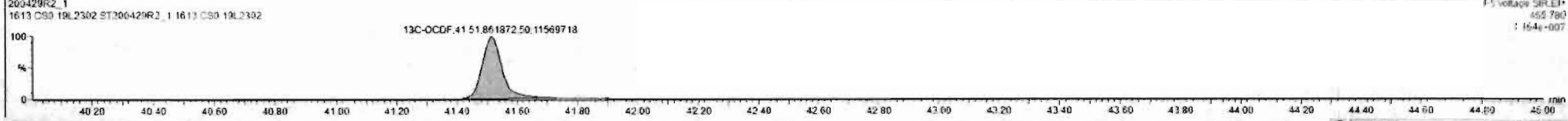
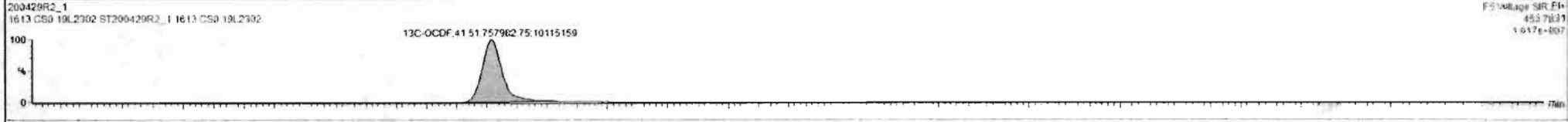
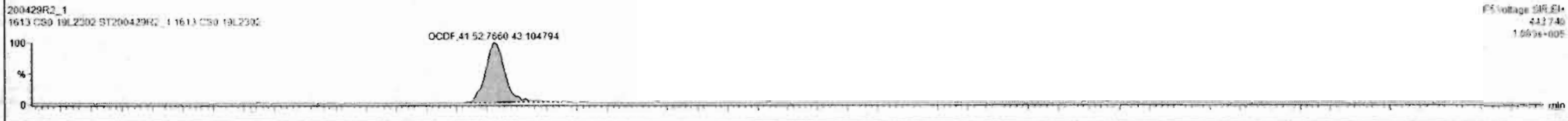
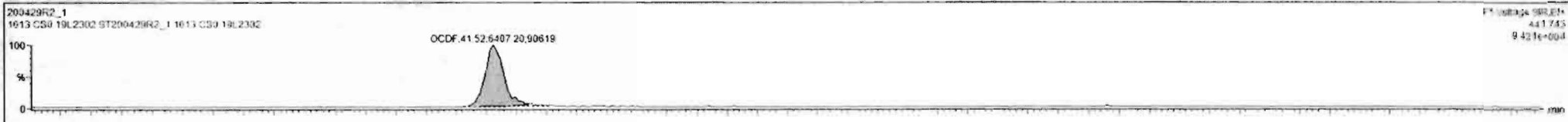
13C-OCDF



DPE5



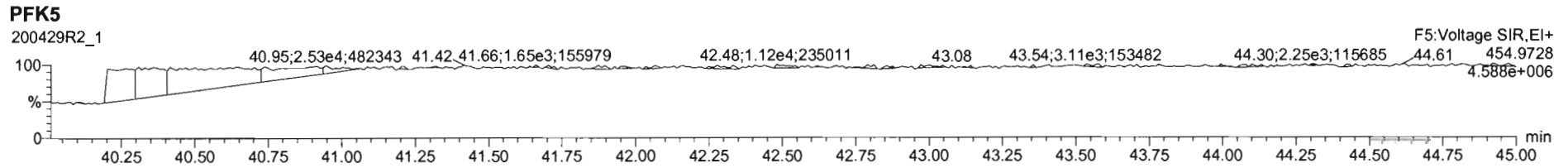
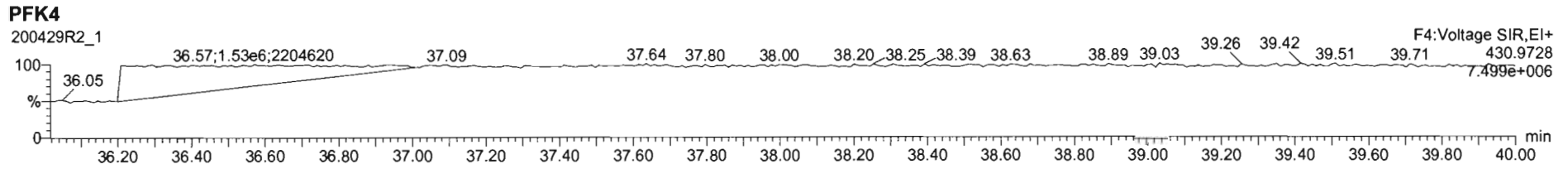
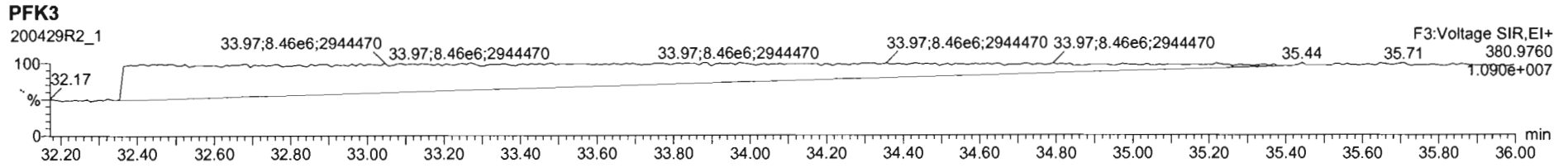
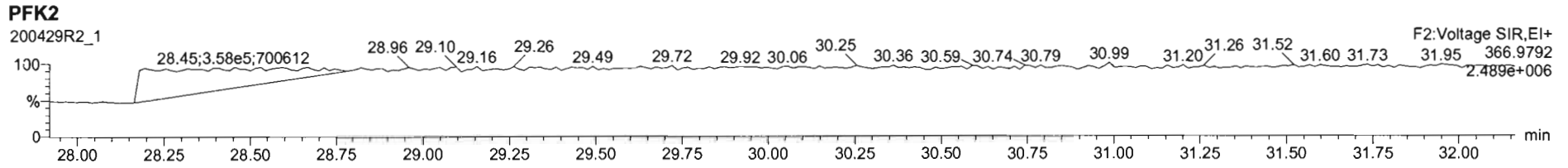
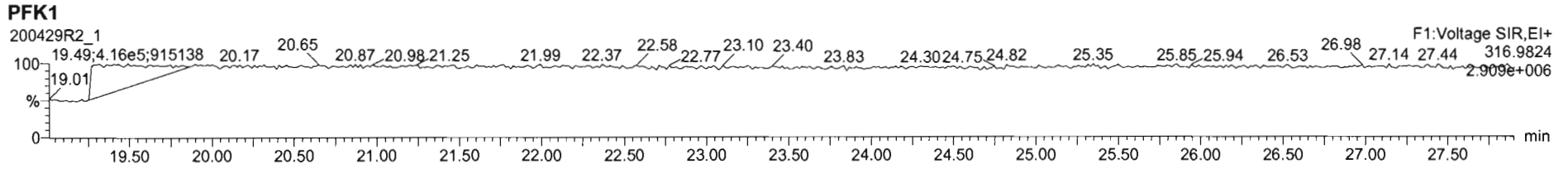
#	Name	RT	RA	Yln	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7032e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	9.9	5.51	0.942	0.0516
3	1,2,3,6,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.40	1.191	NO	1.1900e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.094	NO	7.9201e3	3.1686e5	1.250	-13.5	8.97	0.856	0.0622
7	OCDD	41.35	0.962	NO	1.4111e4	1.4188e6	2.500	-14.2	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.95	0.919	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.00	1.488	NO	2.0044e4	1.8427e6	1.250	-8.0	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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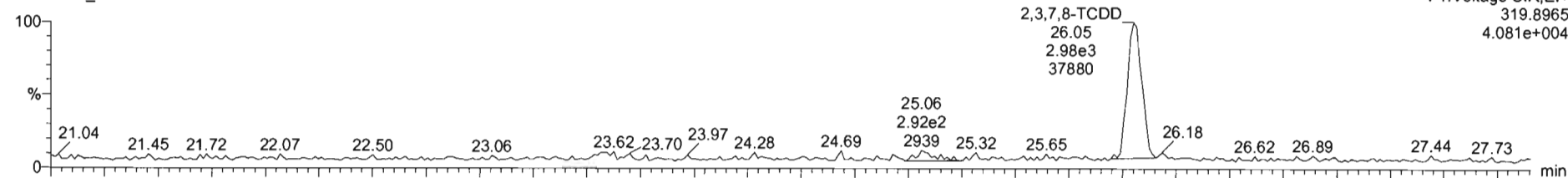
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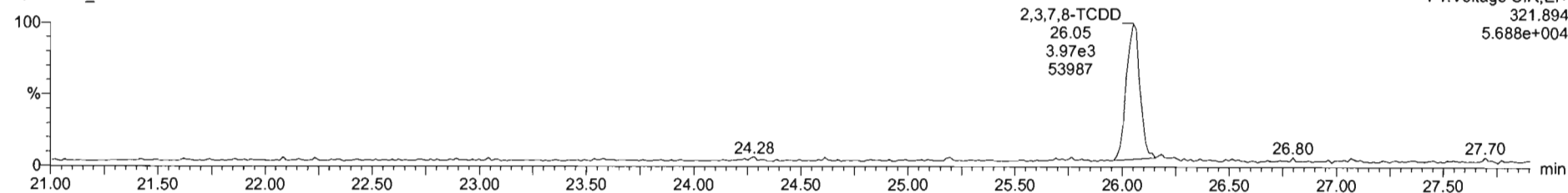
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2,3,7,8-TCDD

200429R2_2

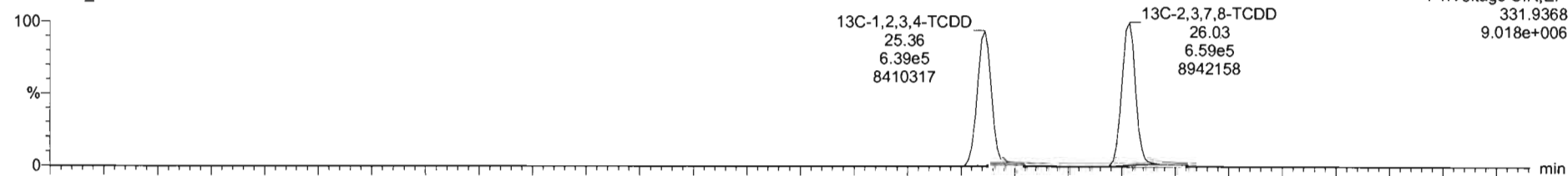


200429R2_2

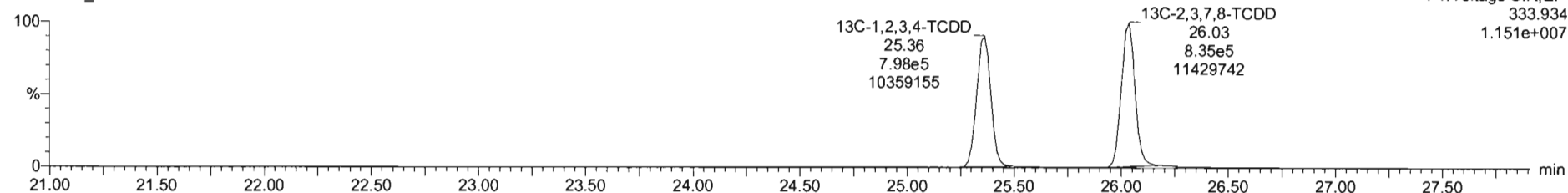


13C-2,3,7,8-TCDD

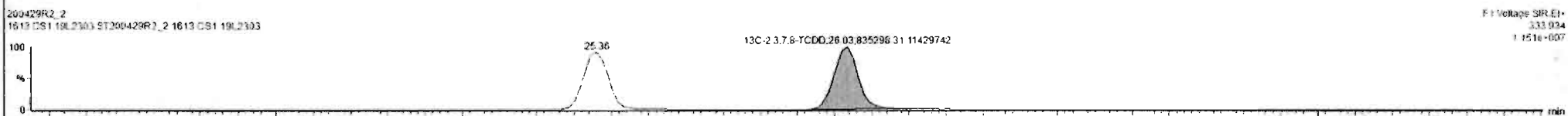
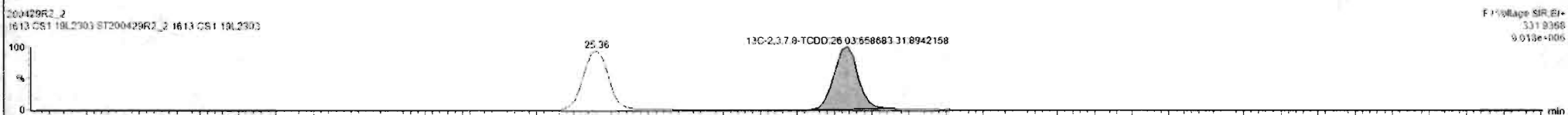
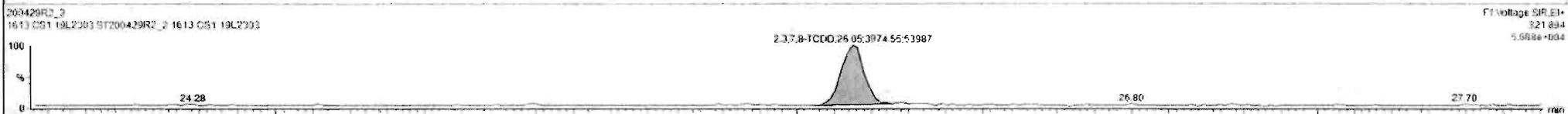
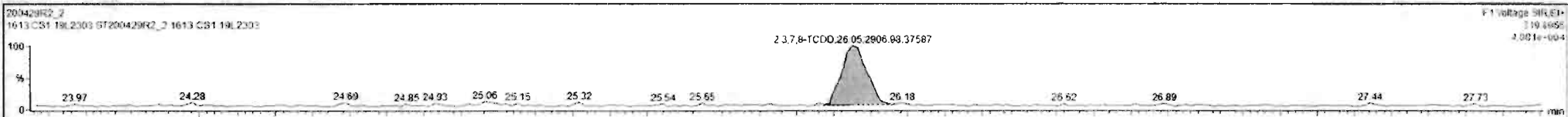
200429R2_2



200429R2_2



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8015e3	1.4946e6	6.500	-2.8	5.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8509e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.9692e5	2.500	-0.2	6.93	0.696	0.0602
7	OCDD	41.25	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2156e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8524e4	1.6515e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.183	NO	2.3827e4	1.0498e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	6.7735e5	2.500	-1.8	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4610e6	5.000	-2.4	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_2

CAP NUM

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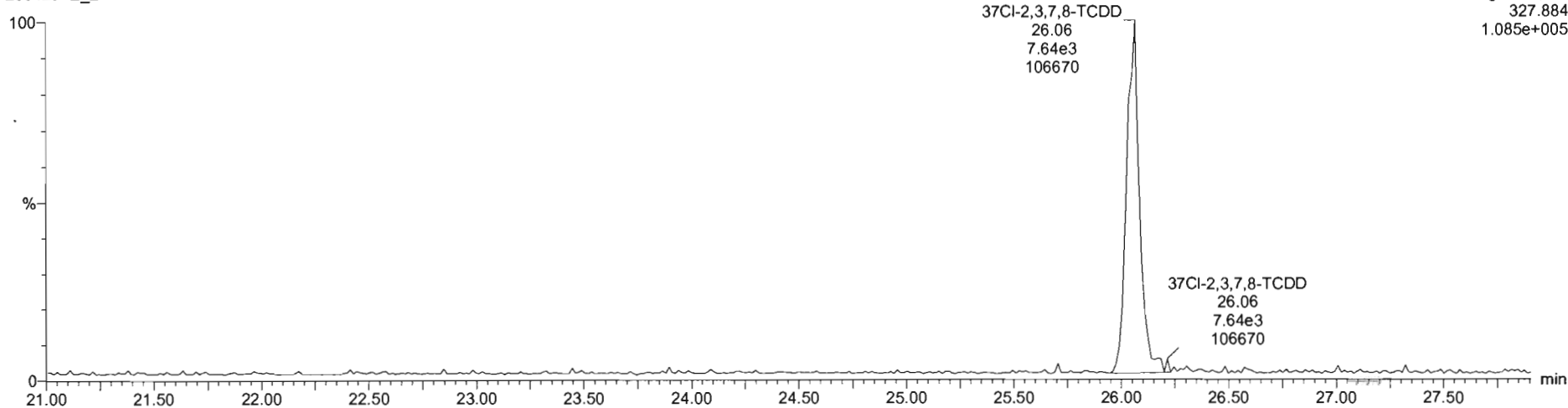
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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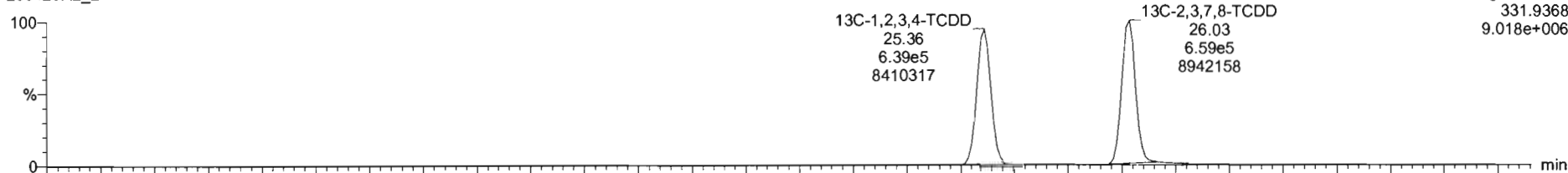
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200429R2_2

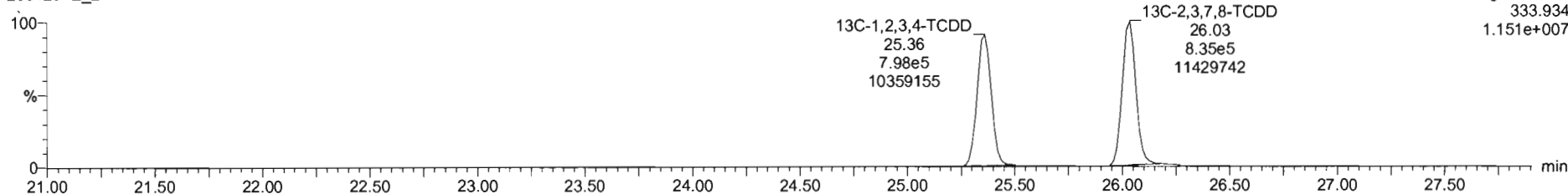


13C-1,2,3,4-TCDD

200429R2_2



200429R2_2



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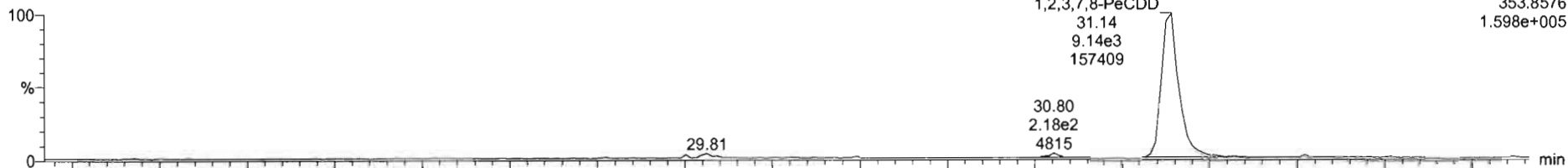
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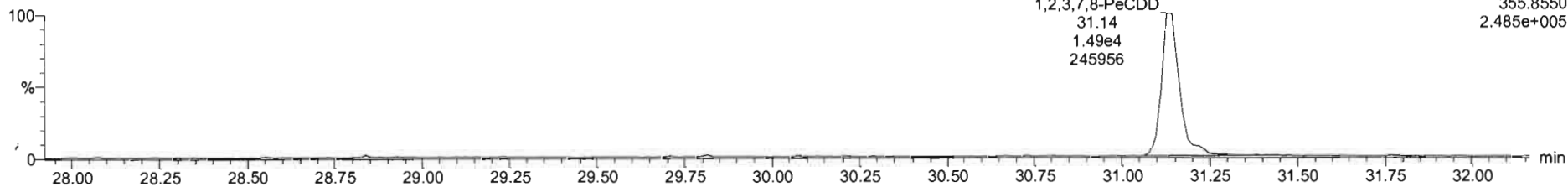
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1,2,3,7,8-PeCDD

200429R2_2

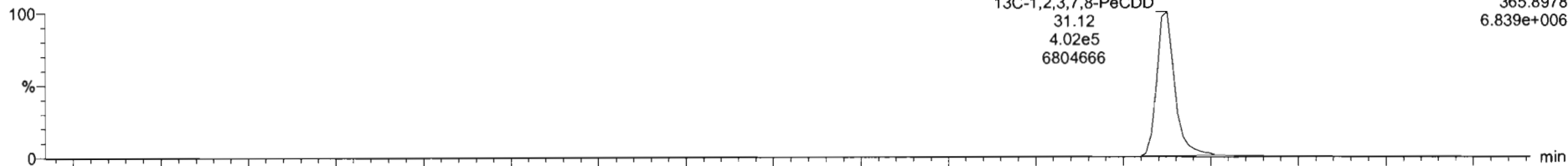


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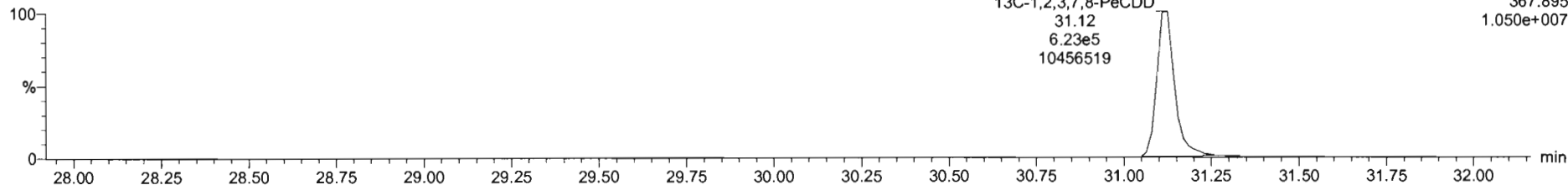


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200429R2_2



200429R2_2



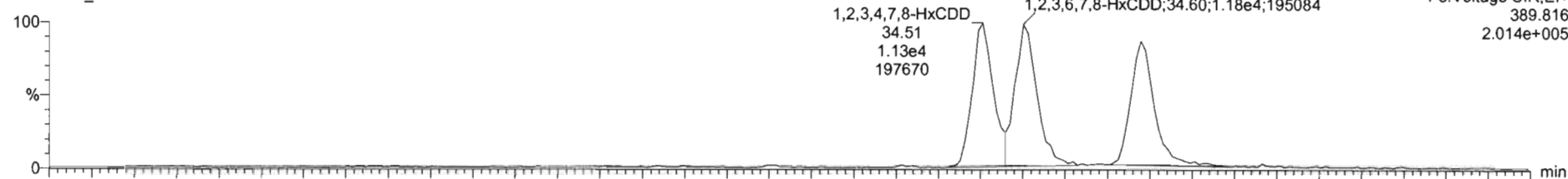
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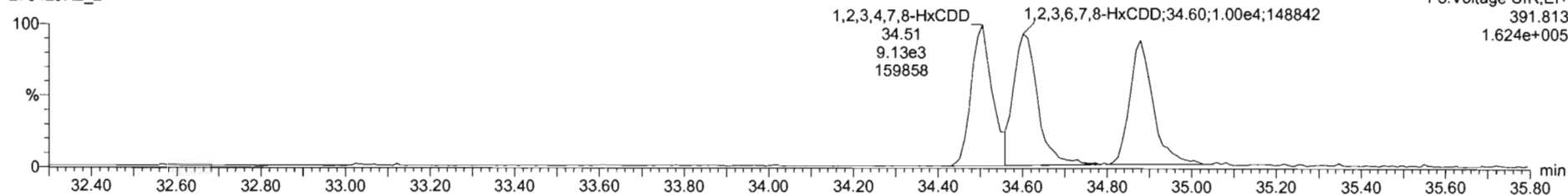
1,2,3,4,7,8-HxCDD

200429R2_2



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2.014e+005

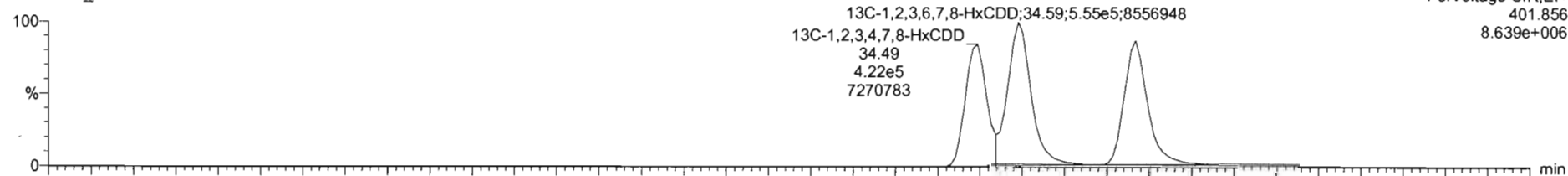
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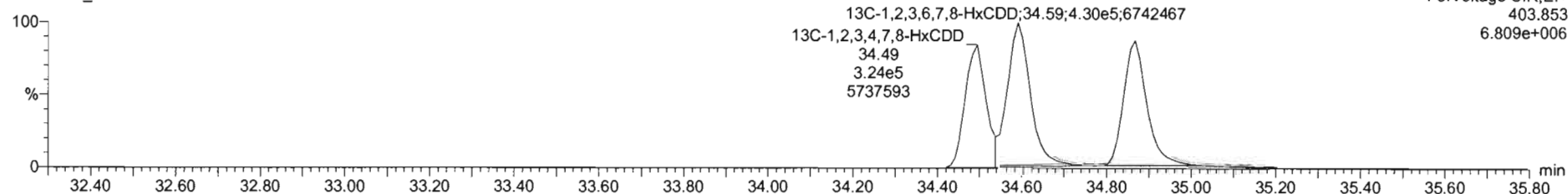
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200429R2_2



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8.639e+006

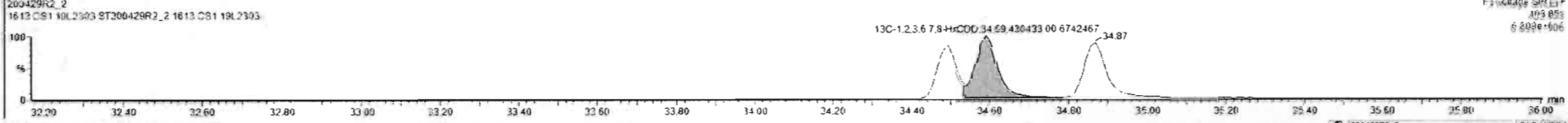
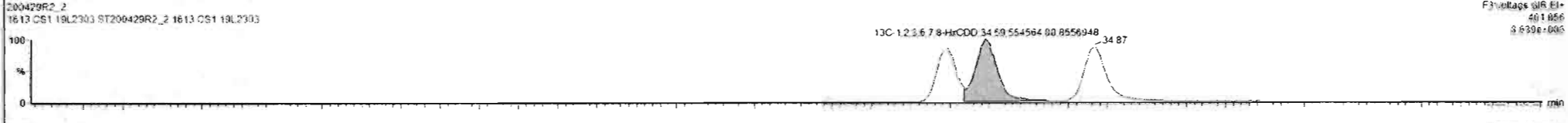
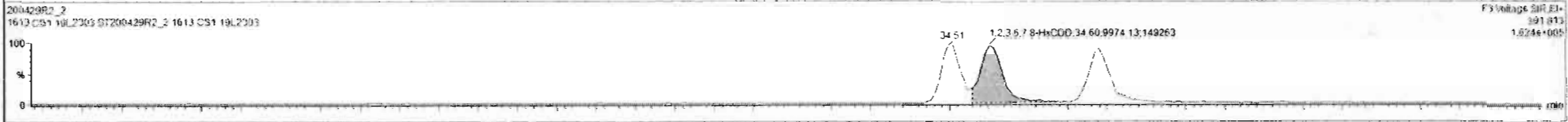
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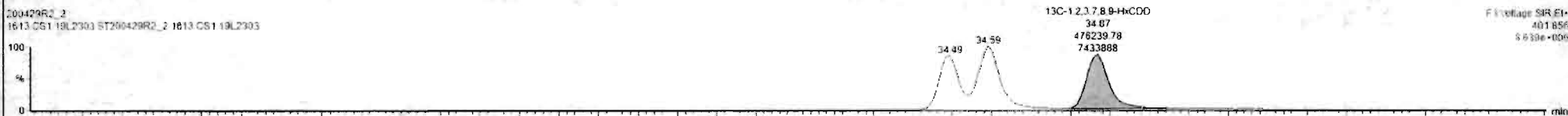
F3: Voltage SIR, EI+
403.853
6.809e+006

200429R2_2 - ST200429R2_2 1613 CS1 19L2303 - 1613 CS1 19L2303

#	Name	RT	RA	yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4940e6	0.500	-2.6	6.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.167	NO	2.1618e4	9.0509e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9608e4	8.4560e5	2.500	1.9	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.5992e5	2.500	-0.2	8.93	0.896	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.933	0.0707
8	2,2,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2158e6	0.500	0.1	5.11	0.787	0.0492
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6534e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	20.82	1.528	NO	3.8866e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.674	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.8	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4018e6	5.000	-2.4	7.16	0.802	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8815e3	1.4840e0	0.500	-2.6	5.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	-0.4	5.51	0.942	0.0510
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.187	NO	2.1618e4	9.9500e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.225	NO	1.9028e4	8.4500e5	2.500	1.9	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.5982e5	2.500	-0.2	6.93	0.856	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2188e0	0.500	0.1	5.11	0.787	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.542	NO	3.8824e4	1.6915e6	2.500	0.1	5.86	0.910	0.0523
10	1,2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8866e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.674	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	1.8	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.95	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



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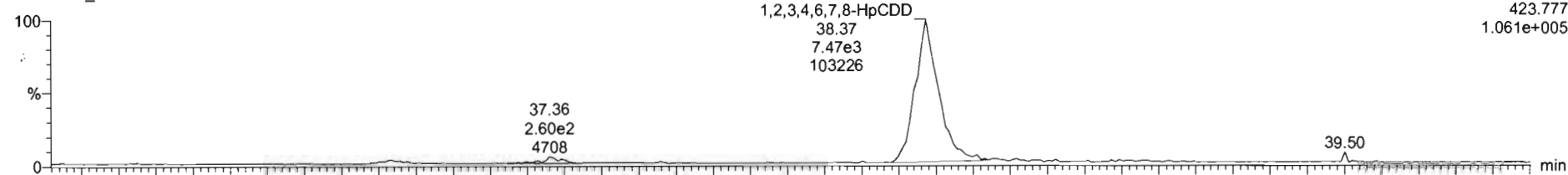
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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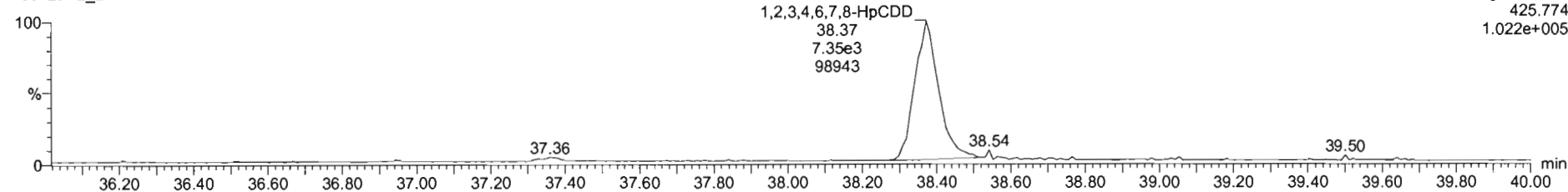
1,2,3,4,6,7,8-HpCDD

200429R2_2



F4:Voltage SIR,EI+
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1.061e+005

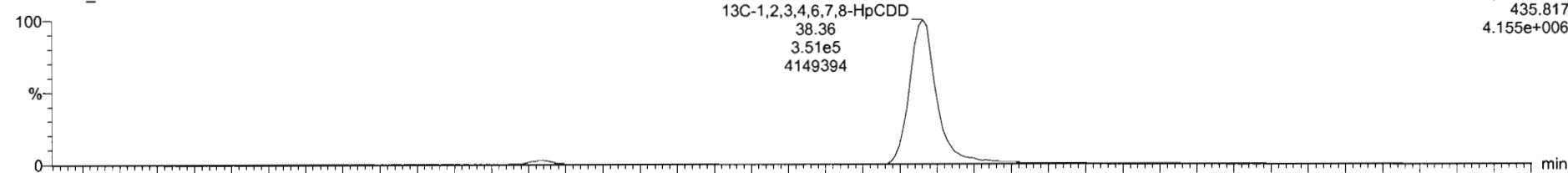
200429R2_2



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1.022e+005

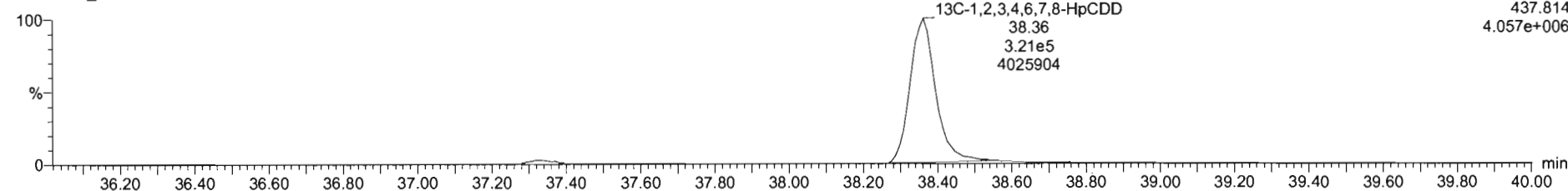
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200429R2_2

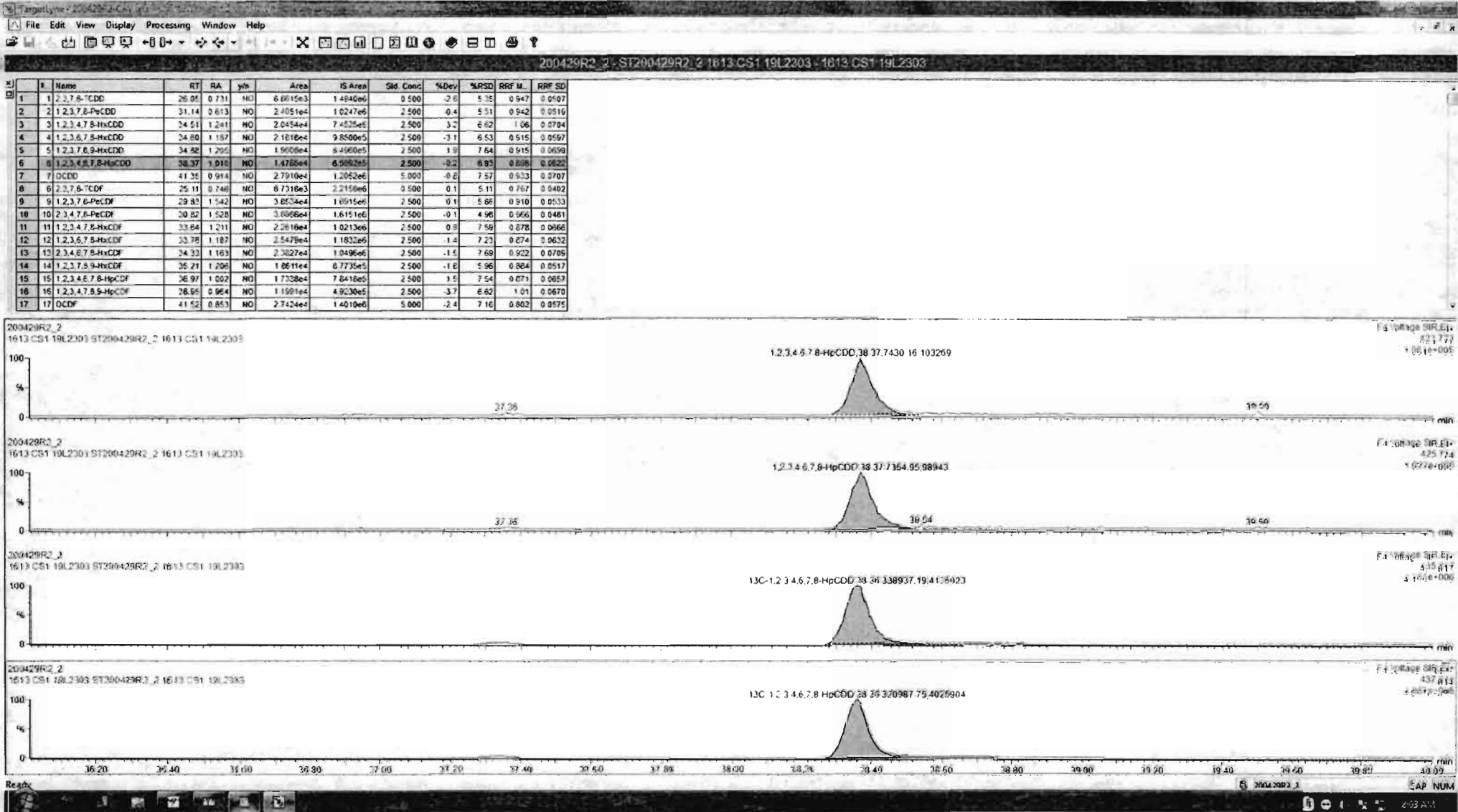


F4:Voltage SIR,EI+
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4.155e+006

200429R2_2



F4:Voltage SIR,EI+
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4.057e+006



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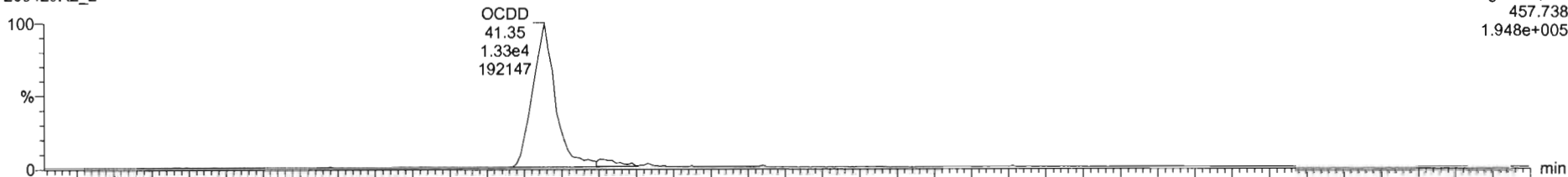
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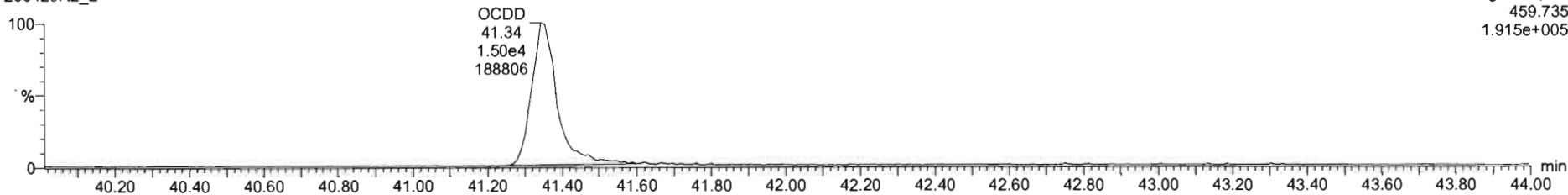
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OCDD

200429R2_2

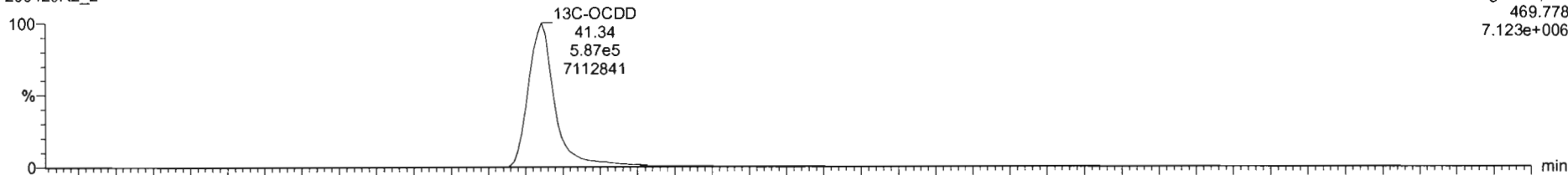


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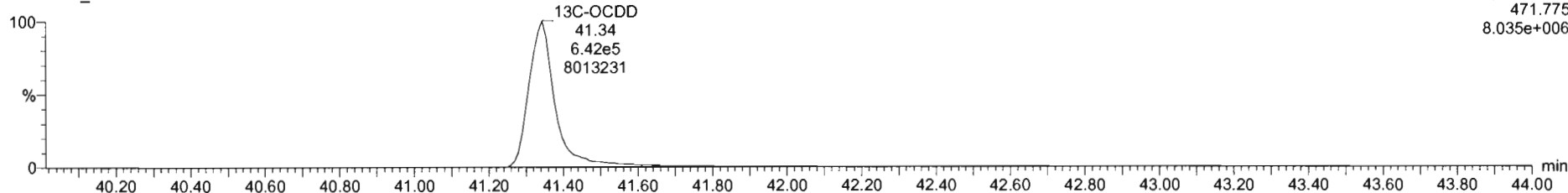


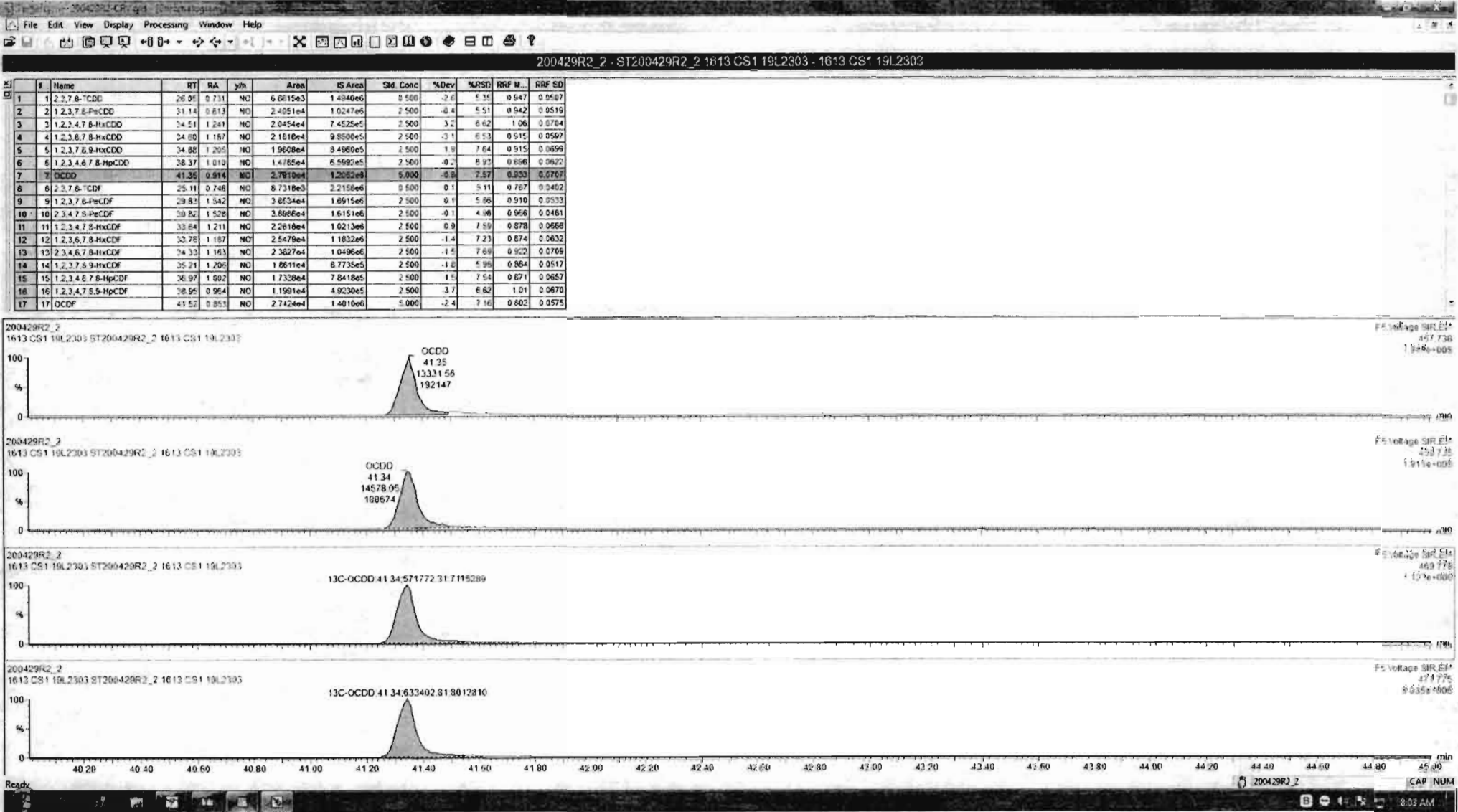
13C-OCDD

200429R2_2



200429R2_2





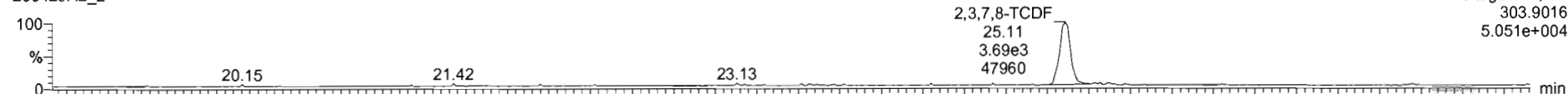
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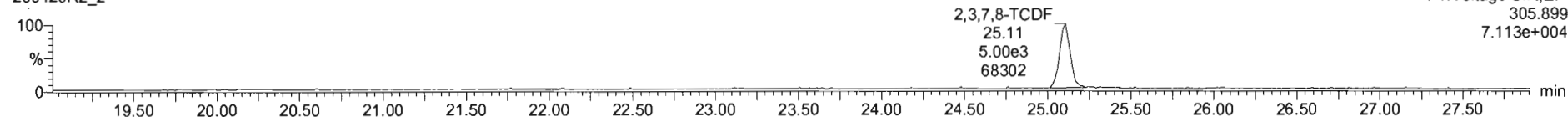
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2,3,7,8-TCDF

200429R2_2

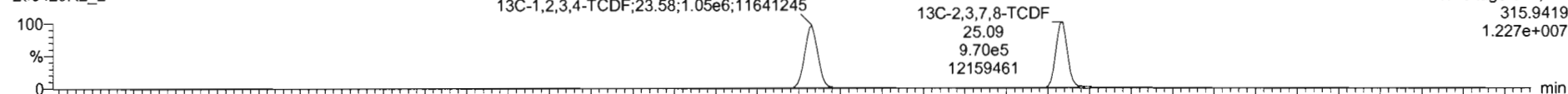


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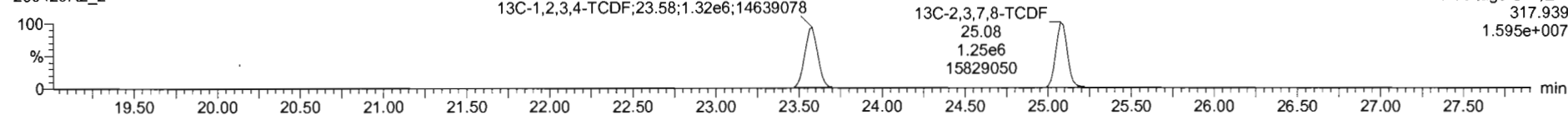


13C-2,3,7,8-TCDF

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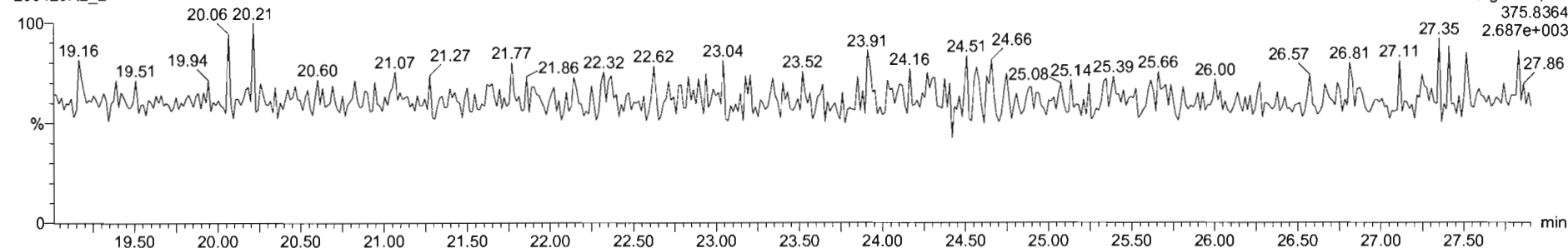


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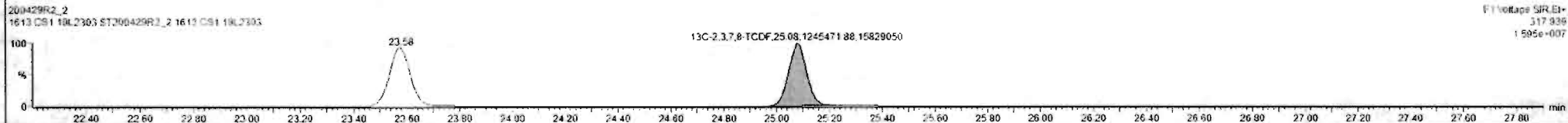
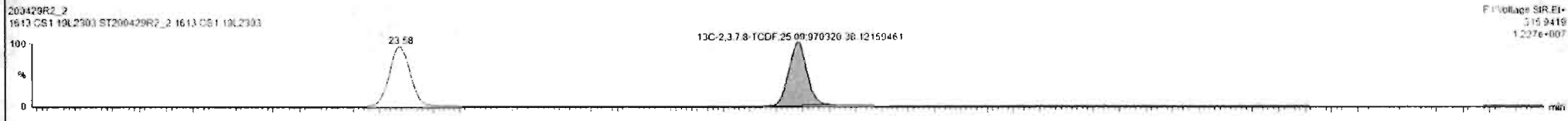
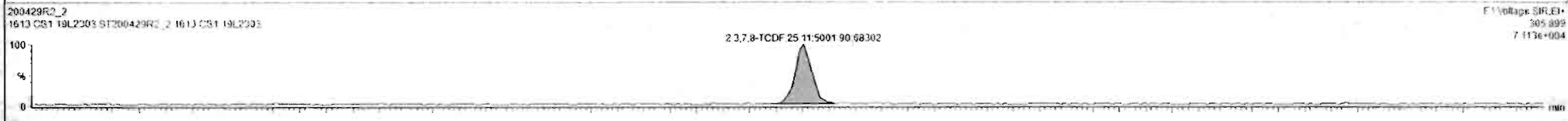
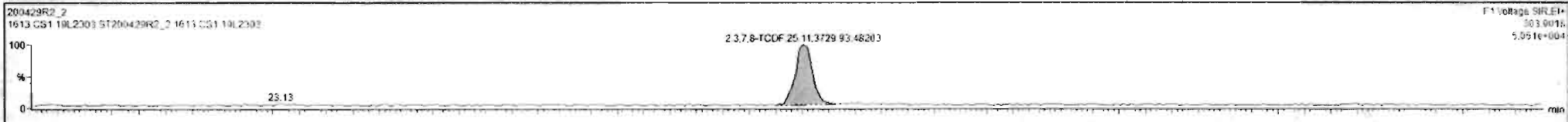


DPE1

200429R2_2



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1 2,3,7,8-TCDD	25.05	0.731	NO	6.6615e3	1.4940e6	0.500	-2.6	5.35	0.947	0.0507
2	2 1,2,3,7,8-PeCDD	31.14	0.813	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	3 1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	4 1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.5006e5	2.500	-3.1	6.53	0.915	0.0597
5	5 1,2,3,7,8,9-HxCDD	34.98	1.205	NO	1.9808e4	8.4990e5	2.500	1.9	7.64	0.915	0.0699
6	6 1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.5990e5	2.500	-0.2	6.37	0.856	0.0622
7	7 OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.523	0.0707
8	8 2,3,7,8-TCDF	25.11	0.746	NO	8.7518e3	2.2158e6	0.500	0.1	5.11	0.787	0.0462
9	9 1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6554e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	10 2,3,4,7,8-PeCDF	30.82	1.628	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	11 1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2610e4	1.0213e6	2.500	0.9	7.19	0.878	0.0666
12	12 1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1622e6	2.500	-1.4	7.23	0.874	0.0632
13	13 2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	14 1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	15 1,2,3,4,6,7,8-HpCDF	38.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	16 1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	17 OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



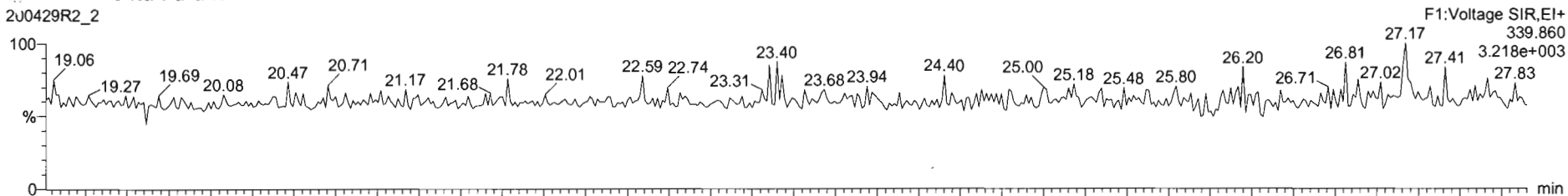
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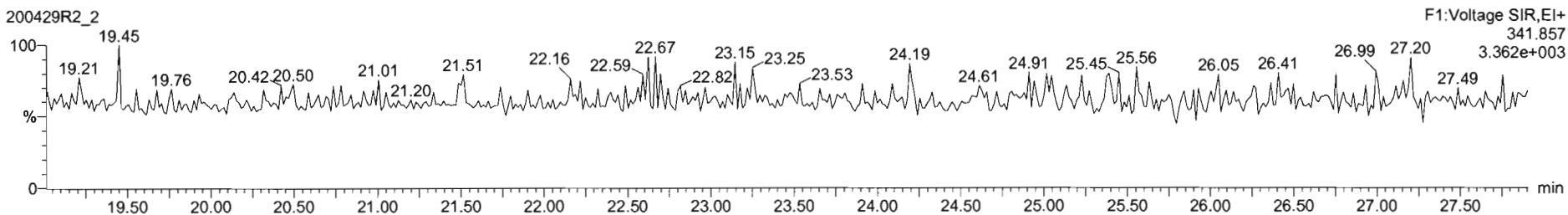
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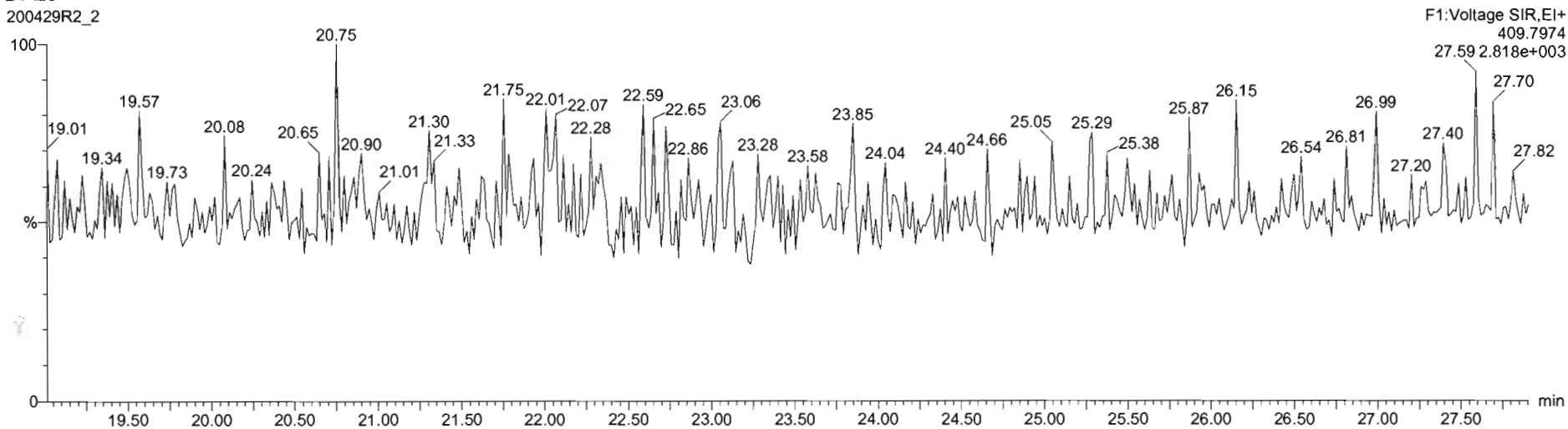


200429R2_2



DPE6

200429R2_2



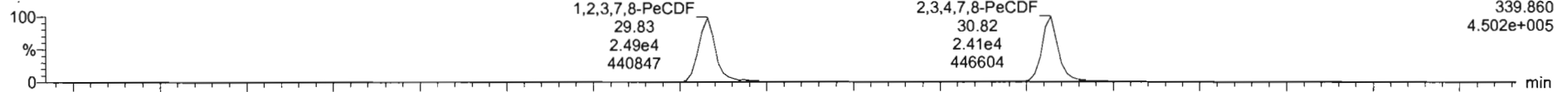
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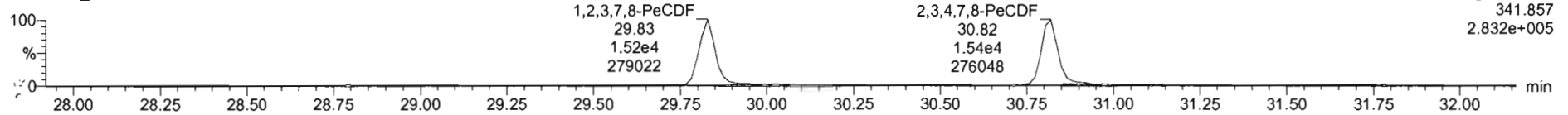
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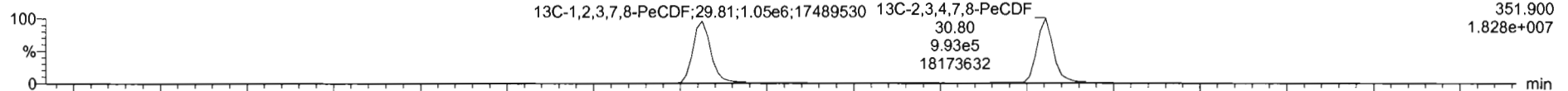


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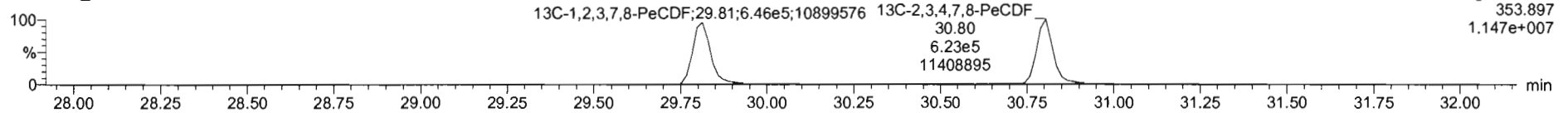


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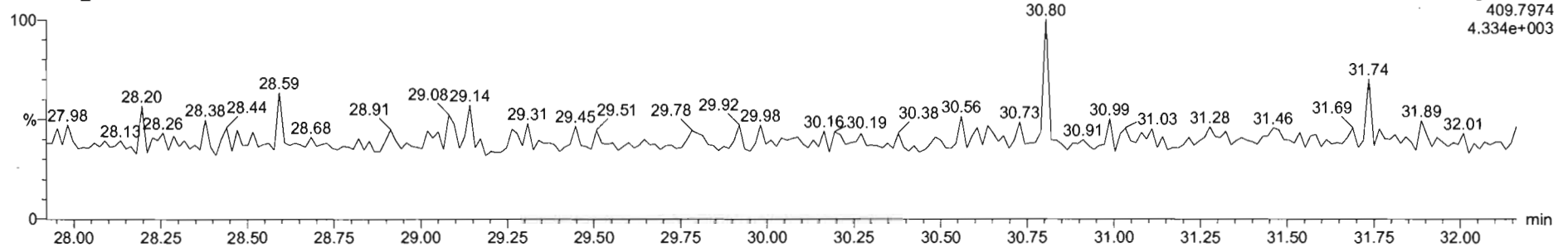


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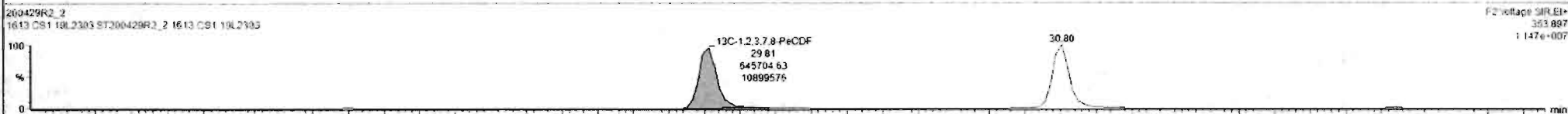
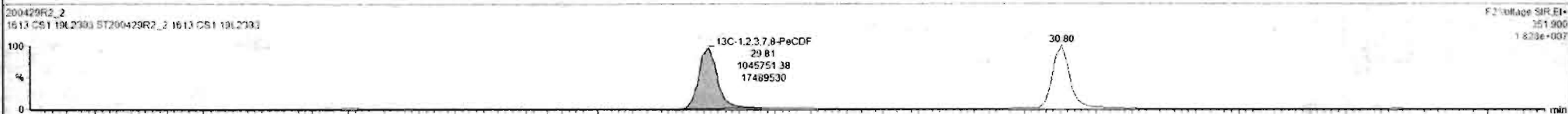
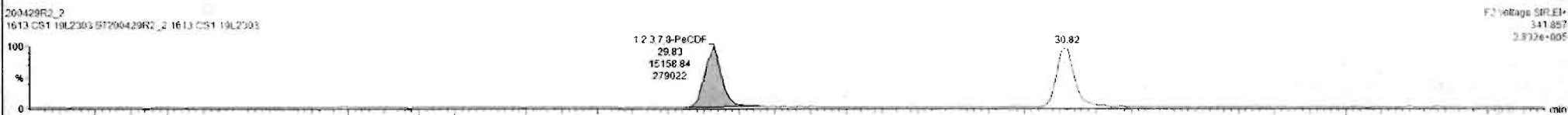
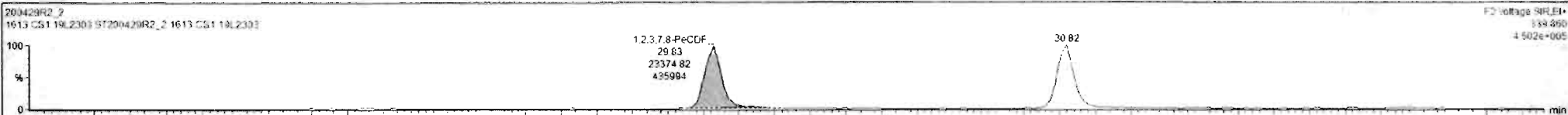


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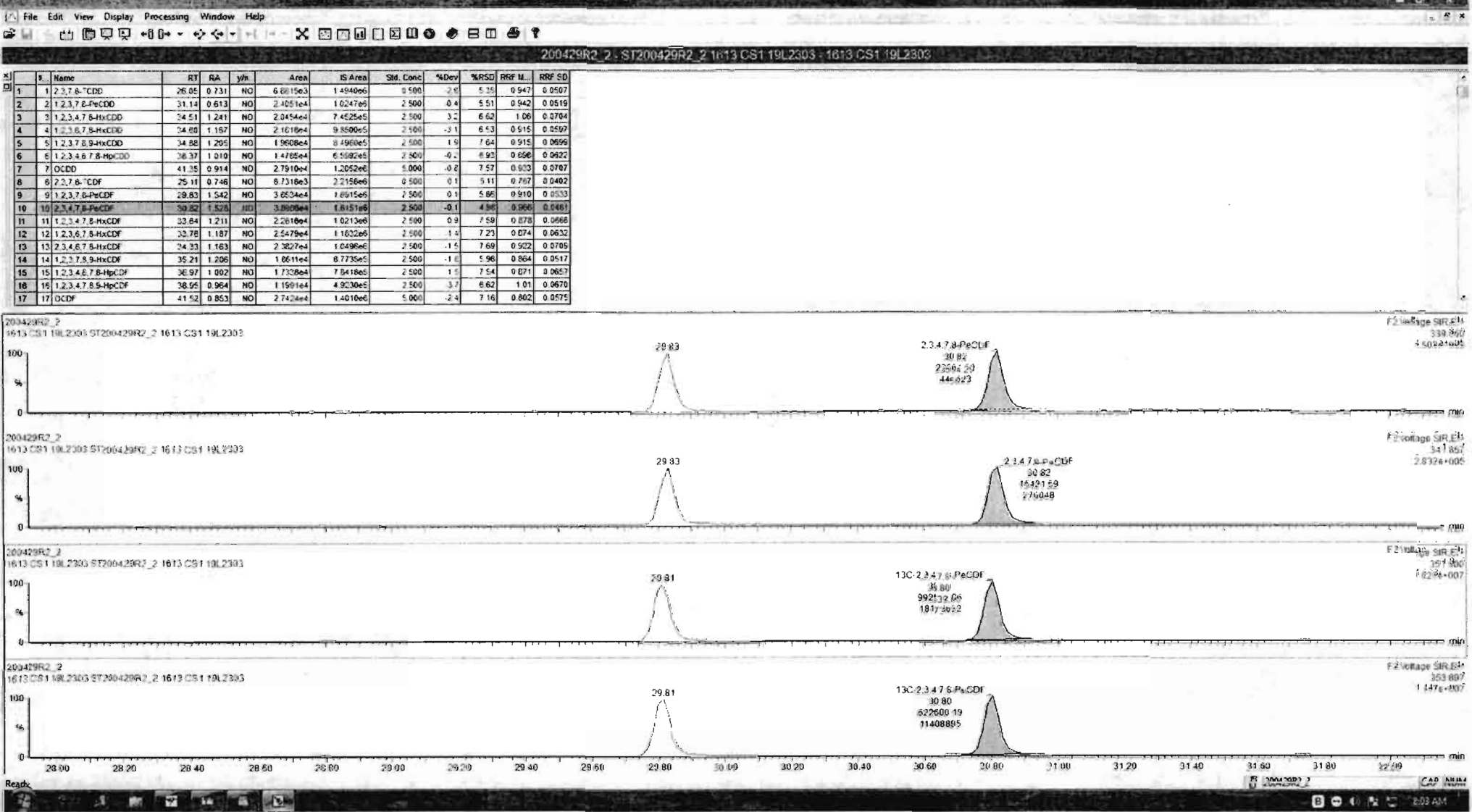
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#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	28.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.6	5.37	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,7,8-HxCDF	34.80	1.187	NO	2.1810e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDF	34.88	1.295	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0596
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.856	0.0620
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.748	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6534e4	1.6815e6	2.500	0.1	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.328	NO	3.8066e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	32.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.183	NO	2.5827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	6.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.653	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.662	0.0575



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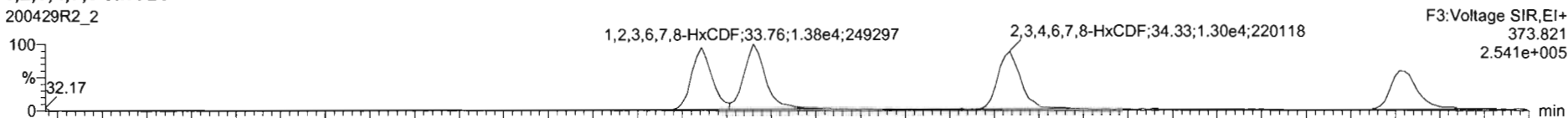
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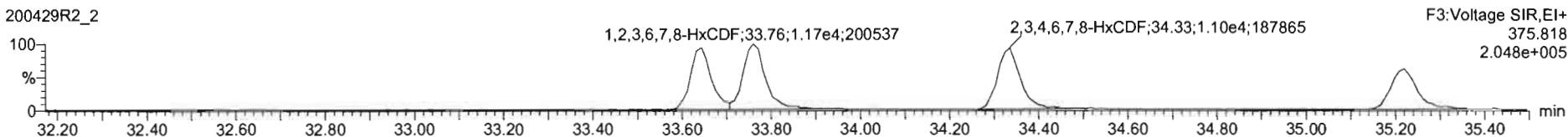
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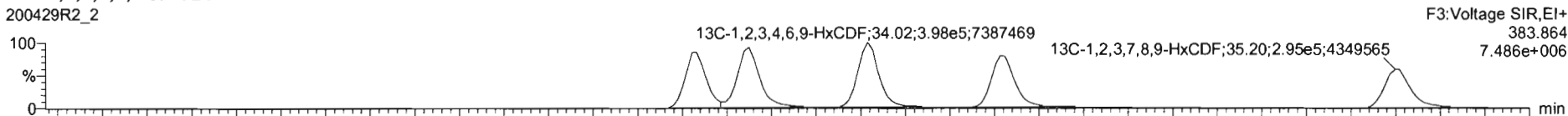


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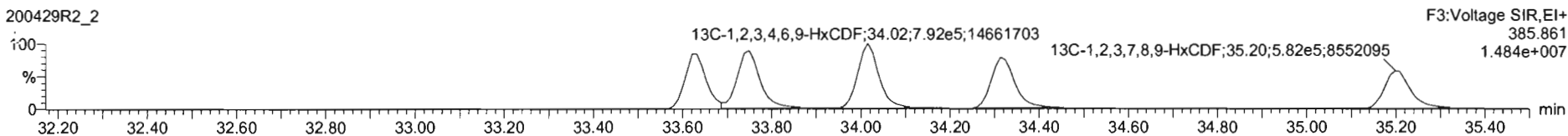


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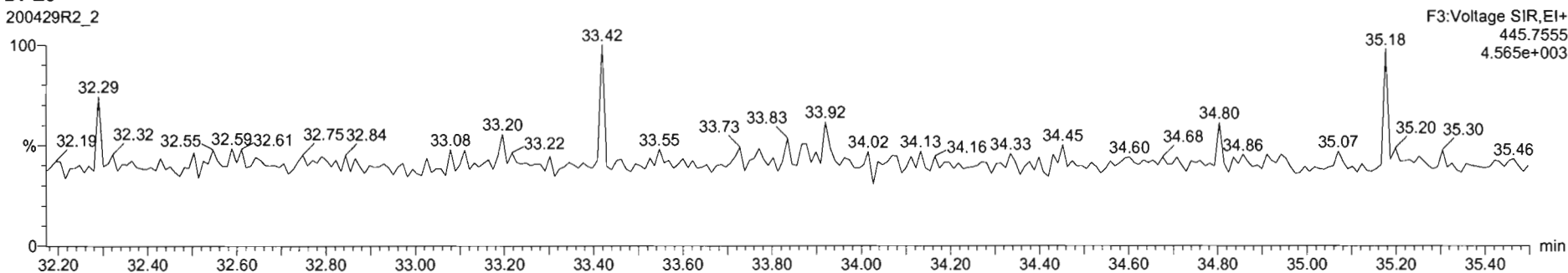


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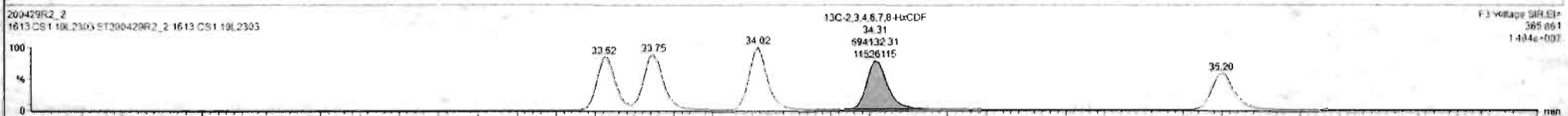
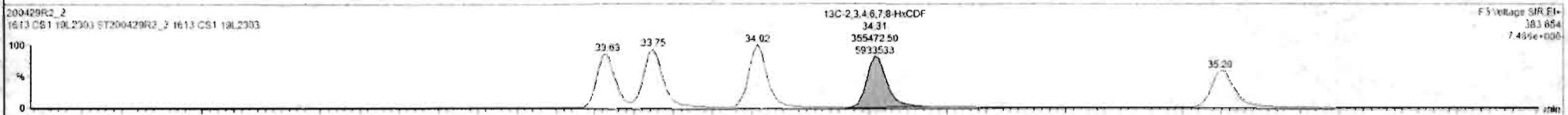


DPE3

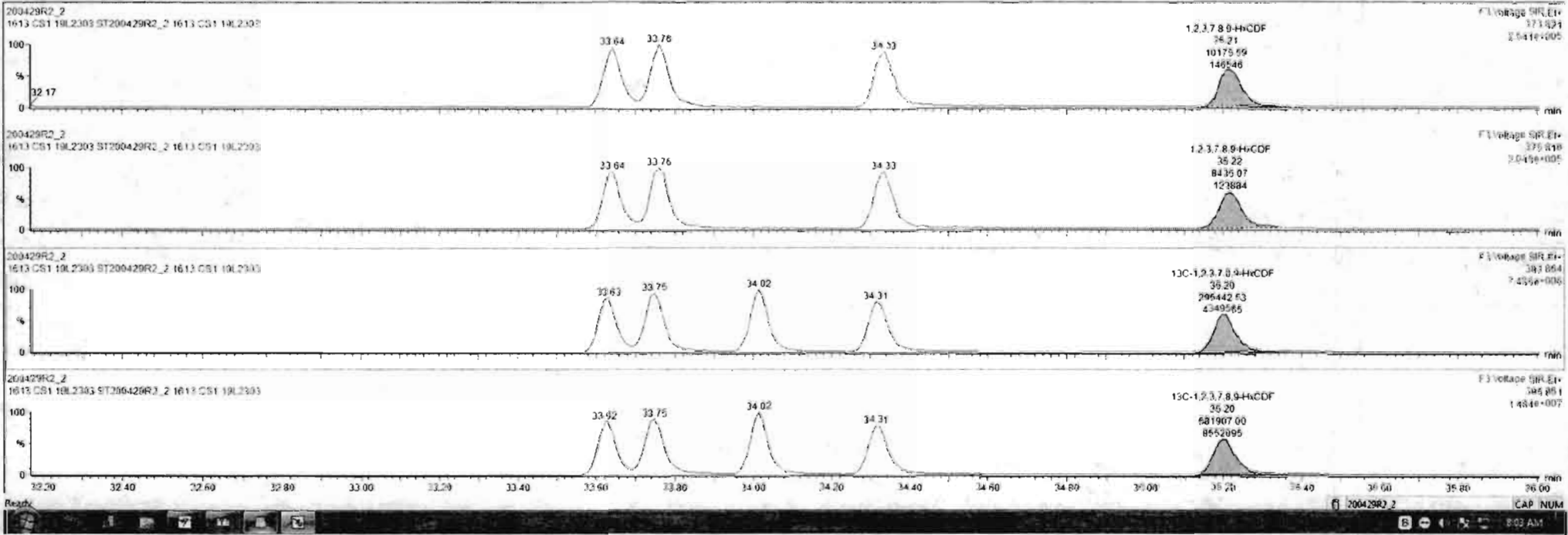
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#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8000e5	2.500	-2.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.80	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0698
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.858	0.0622
7	OCDF	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	6.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0403
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6934e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2810e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0490e6	2.500	-1.5	7.69	0.822	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.9611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4540e6	0.500	-2.0	6.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.9454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.00	1.157	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.205	NO	1.9608e4	3.4560e5	2.500	1.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.896	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.0	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.740	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.757	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8534e4	1.6915e6	2.500	0.1	5.06	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	29.82	1.528	NO	3.8666e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.0	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1032e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8071e4	8.7735e5	2.500	-1.0	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1991e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



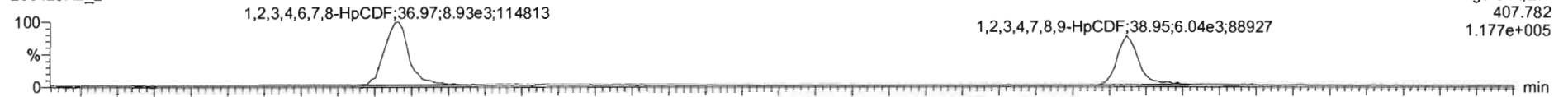
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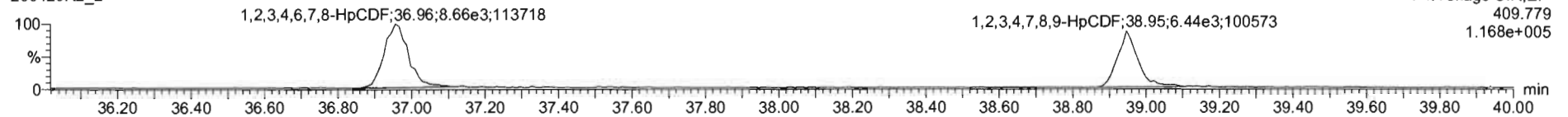
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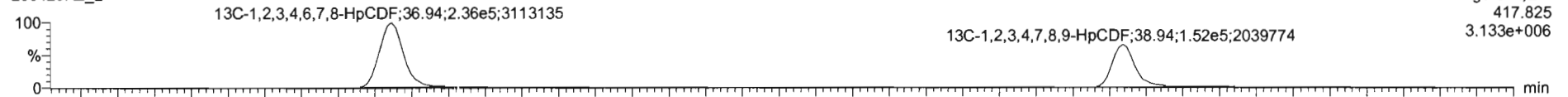


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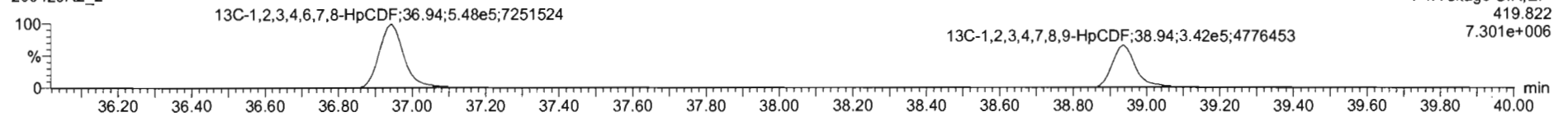


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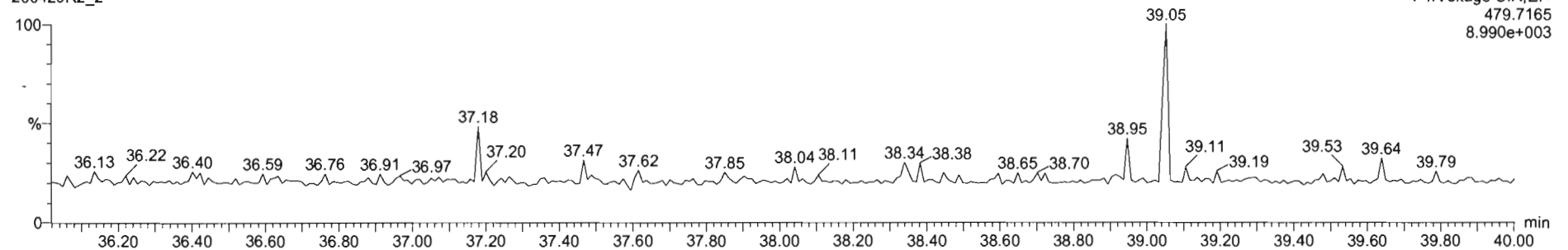


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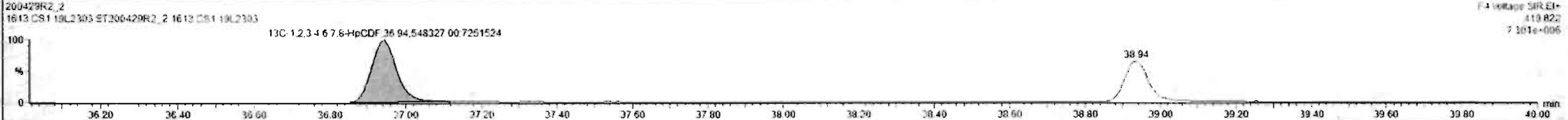
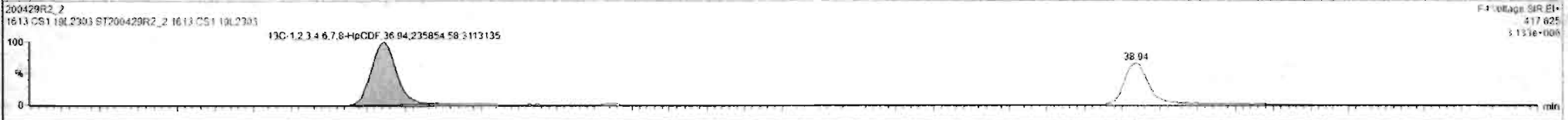
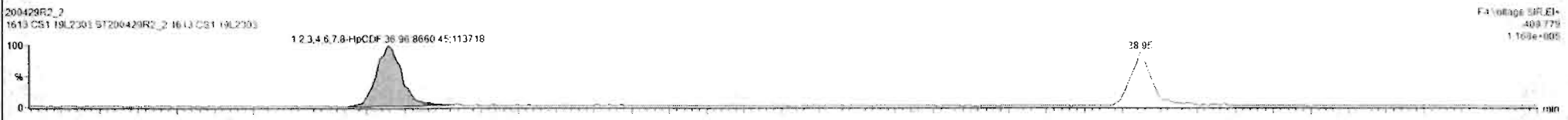


DPE4

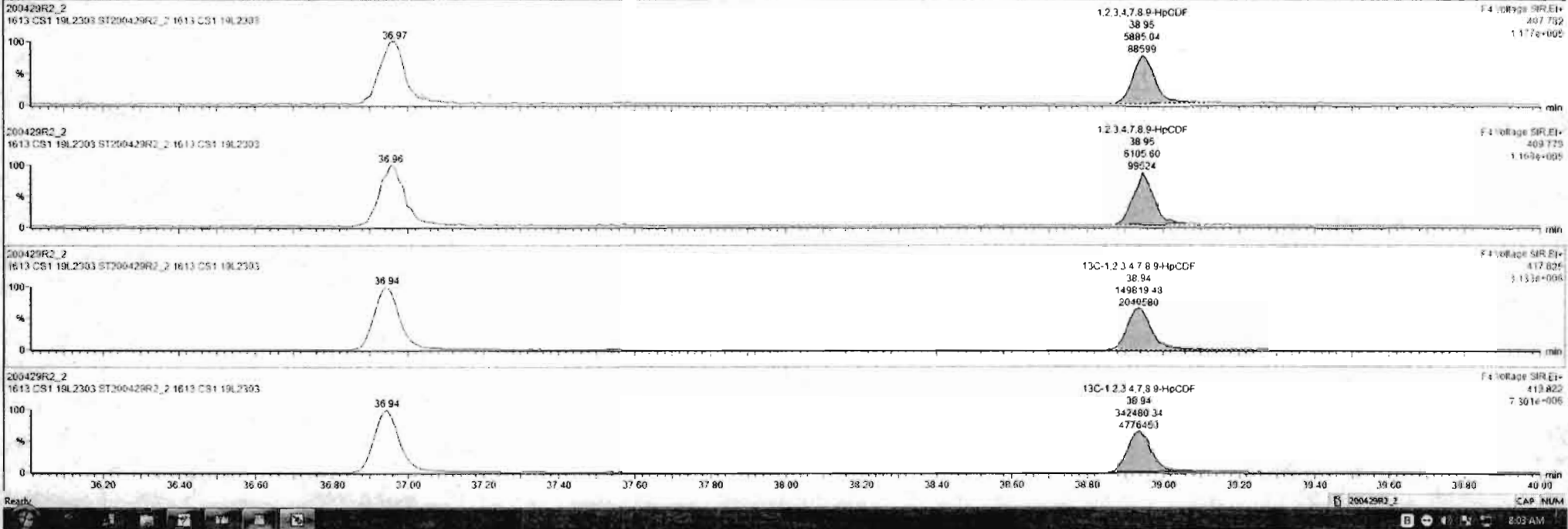
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#	Name	RT	RA	yln	Area	IS Area	Std Conc	%Dev	MRSD	RRF M	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.8454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.157	NO	2.1618e4	9.8600e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.92	1.205	NO	1.5608e4	8.4960e5	2.500	1.5	7.64	0.915	0.0698
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5992e5	2.500	-0.2	6.93	0.858	0.0622
7	OCDD	41.35	0.954	NO	2.7910e4	1.2052e6	0.000	-0.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.0734e4	1.0915e6	2.500	0.1	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.628	NO	3.8686e4	1.6151e6	2.500	-0.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1822e6	2.500	-1.4	7.21	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.022	NO	1.7138e4	7.8412e5	2.500	1.5	7.54	0.871	0.0552
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1591e4	4.9230e5	2.500	3.7	6.82	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	0.000	-2.4	7.16	0.862	0.0575



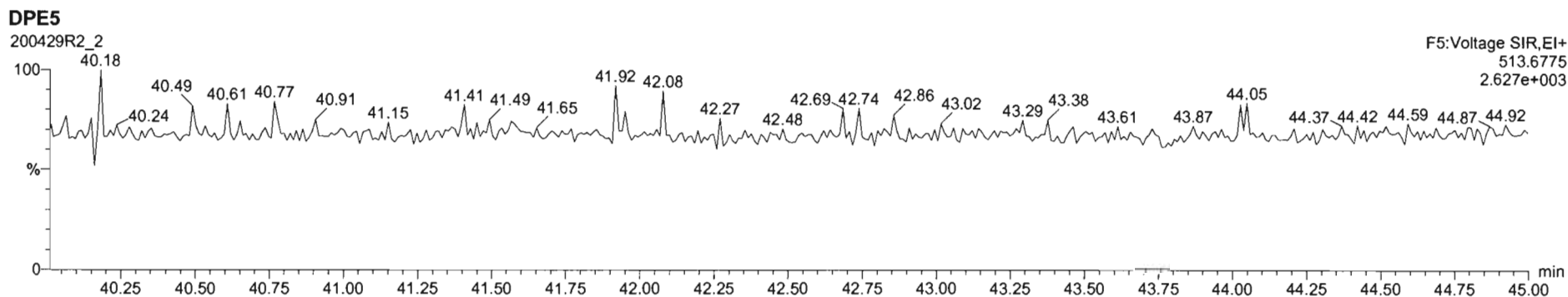
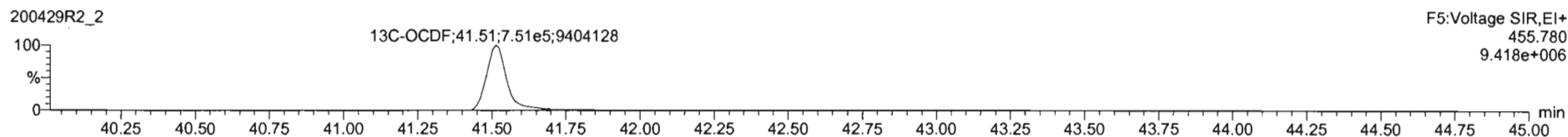
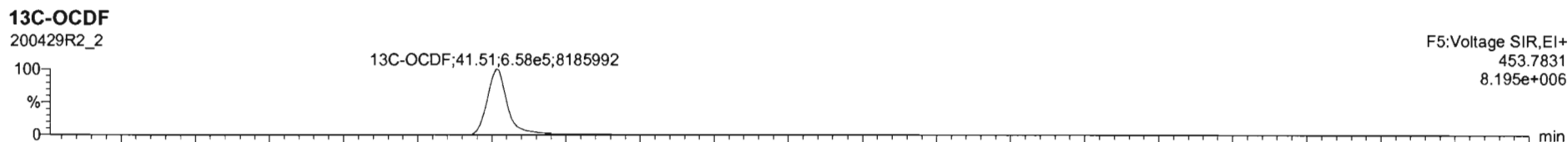
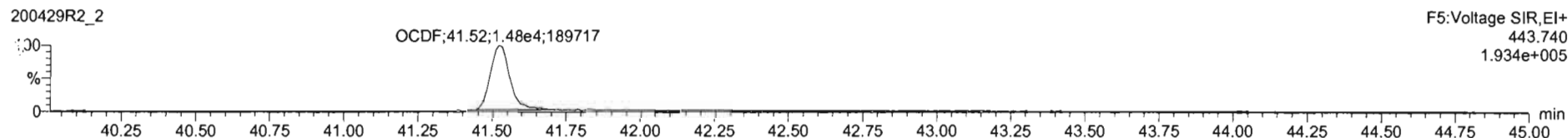
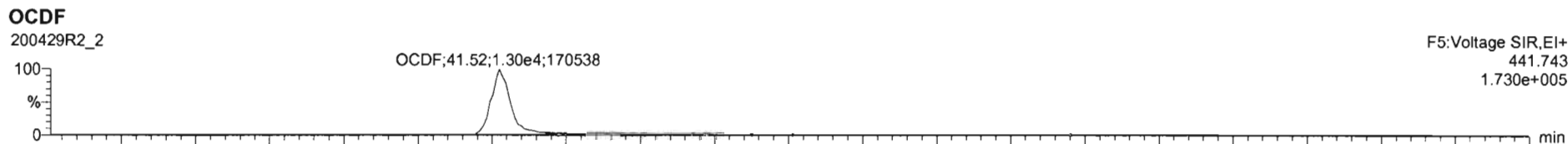
#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.731	NO	6.8615e3	1.4940e6	0.500	-2.8	5.35	0.947	0.0107
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.42	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.69	1.187	NO	2.1818e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.295	NO	1.9688e4	3.4960e5	2.500	1.6	7.84	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5900e5	2.500	-0.2	6.93	0.656	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.933	0.0707
8	2,3,7,8-TCDF	29.11	0.748	NO	8.7318e3	2.2158e6	0.500	0.1	5.11	0.757	0.0462
9	1,2,3,7,8-PeCDF	29.43	1.542	NO	3.6534e4	1.6915e6	2.500	0.1	5.62	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8986e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2818e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.6418e5	2.500	1.5	7.54	0.871	0.0617
16	1,2,3,4,7,8,9-HpCDF	38.95	0.984	NO	1.1991e4	4.9238e5	2.500	-3.7	6.82	1.01	0.0679
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.662	0.0575



Dataset: Untitled

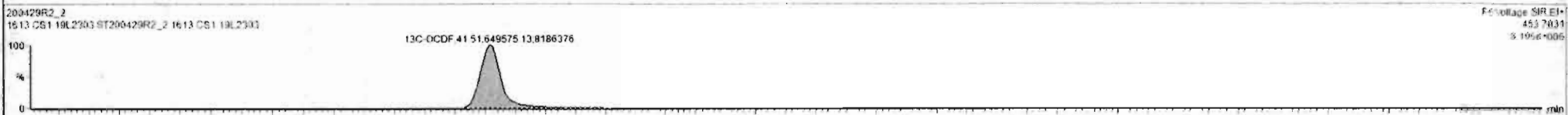
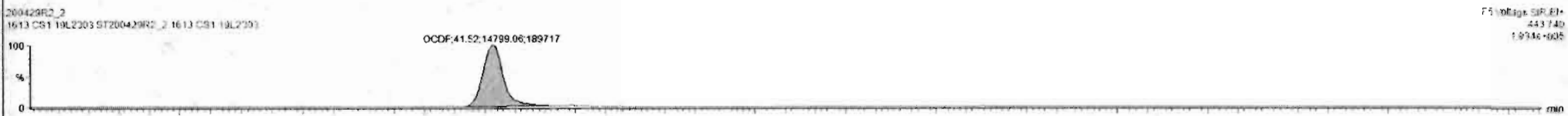
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200429R2_2 - ST200429R2_2 - 1613 CS1 19L2303 - 1613 CS1 19L2303

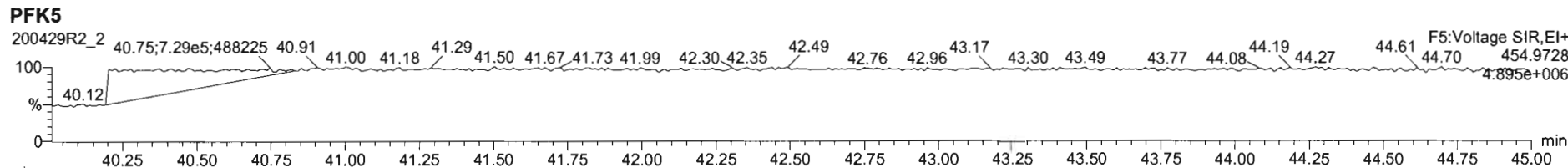
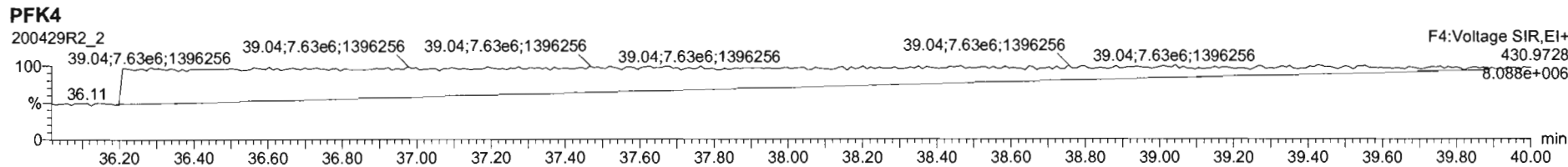
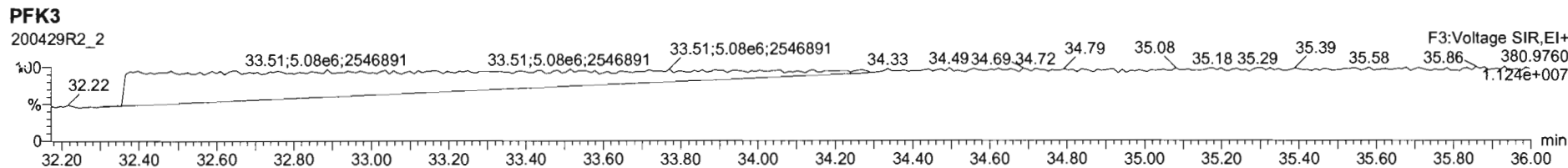
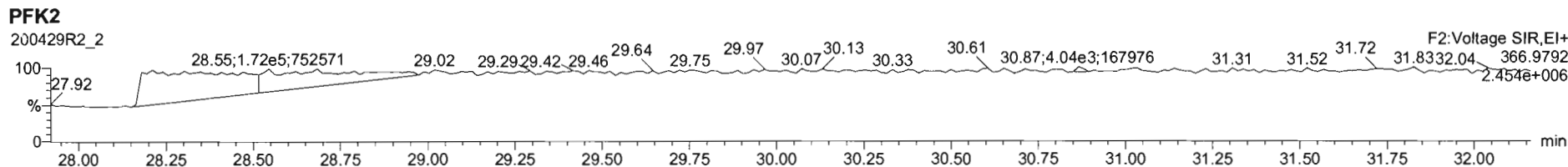
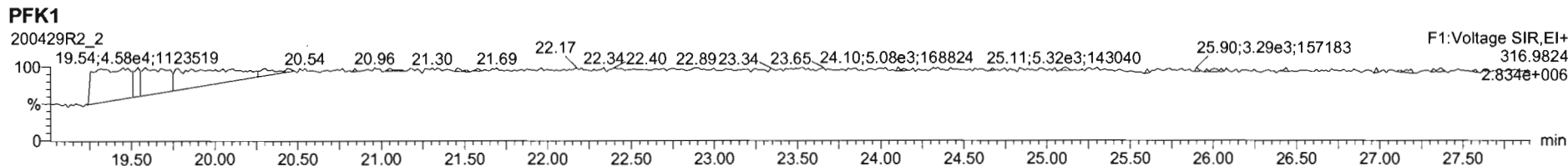
#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.197	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.696	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.633	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7310e3	2.2156e6	0.500	0.1	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8754e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8996e4	1.6151e6	2.500	-0.1	4.95	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.197	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3227e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8611e4	8.7735e5	2.500	-1.6	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.55	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.883	NO	2.7424e4	1.4010e6	5.000	-2.4	7.18	0.802	0.0573



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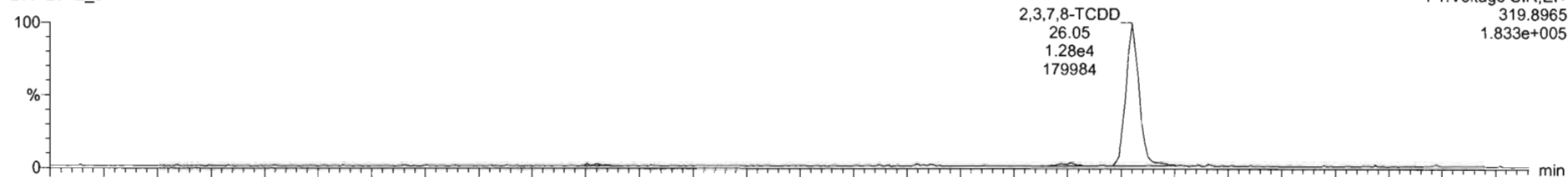
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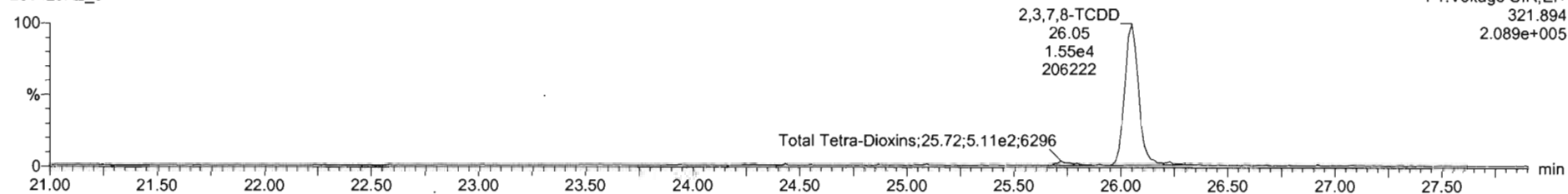
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2,3,7,8-TCDD

200429R2_3

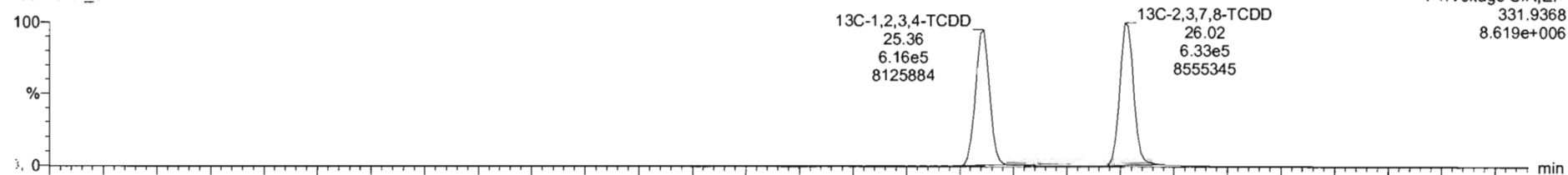


200429R2_3

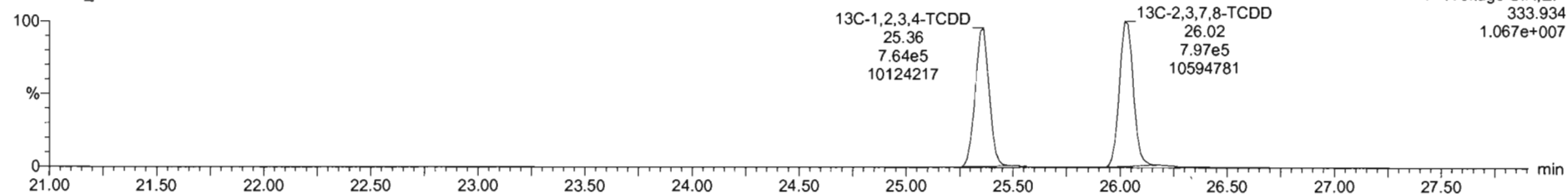


13C-2,3,7,8-TCDD

200429R2_3

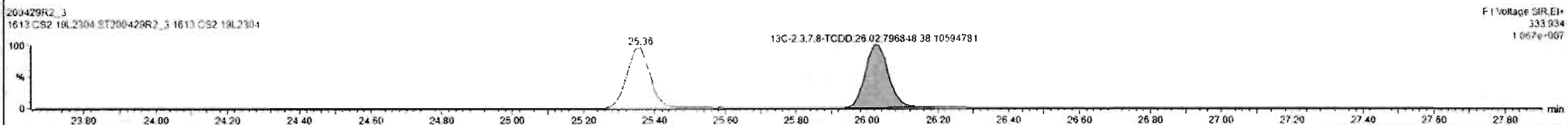
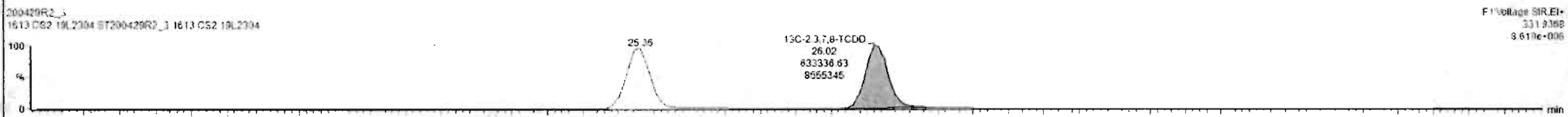
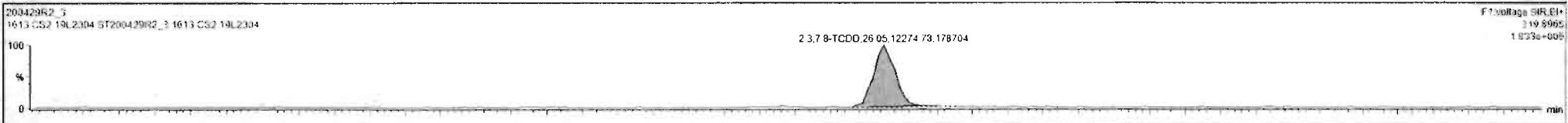


200429R2_3



200429R2_3 - ST200429R2_3 1613 CS2 19L2304 1613 CS2 19L2304

#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.900	2.1	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	21.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.49	1.246	NO	8.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	24.80	1.244	NO	8.1064e4	8.0356e5	10.000	6.3	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.36	1.081	NO	5.9094e4	6.3852e5	10.000	3.1	8.93	0.856	0.0632
7	OCDD	41.24	0.883	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.8671e6	2.000	4.1	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.567	NO	1.5997e5	1.6425e6	10.000	7.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.6556e6	10.000	6.4	4.95	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7026e4	8.5676e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.95	0.958	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.9417e4	4.7128e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.6707e5	1.2711e6	20.000	5.0	7.16	0.802	0.0575



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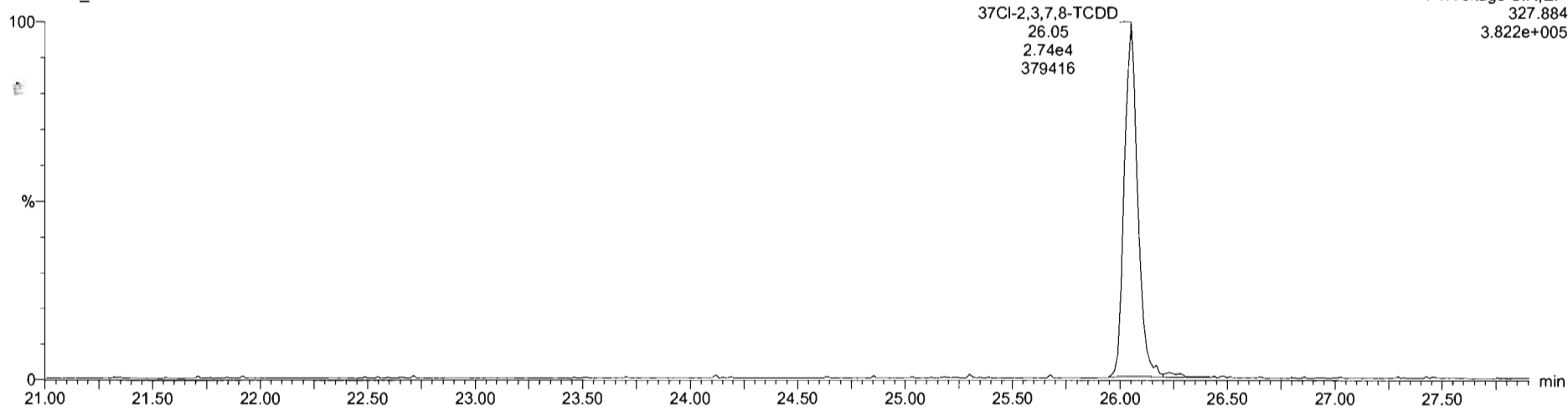
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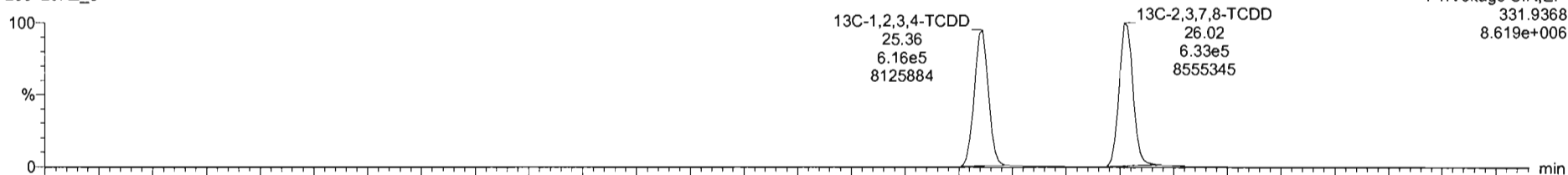
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200429R2_3

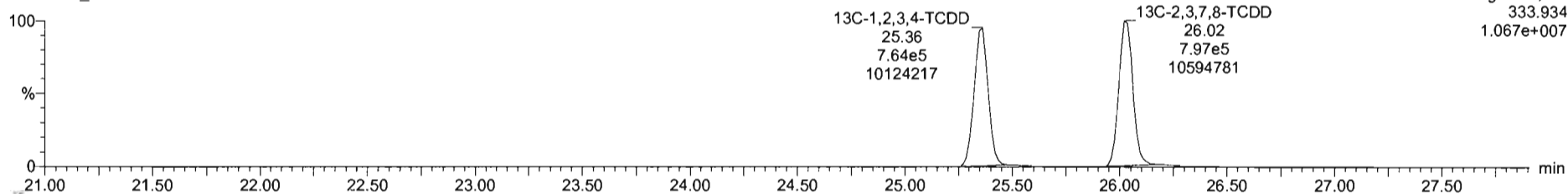


13C-1,2,3,4-TCDD

200429R2_3



200429R2_3



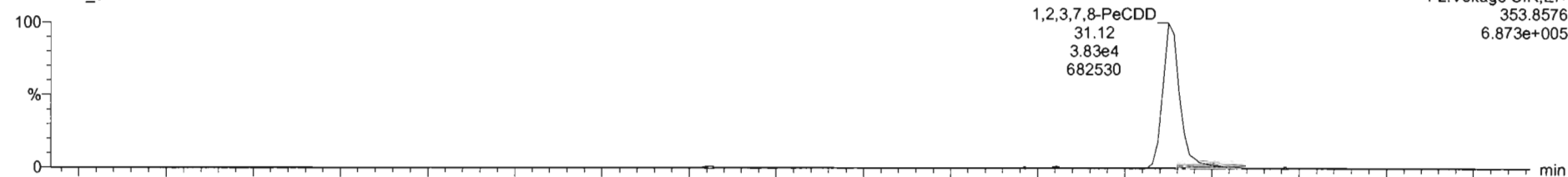
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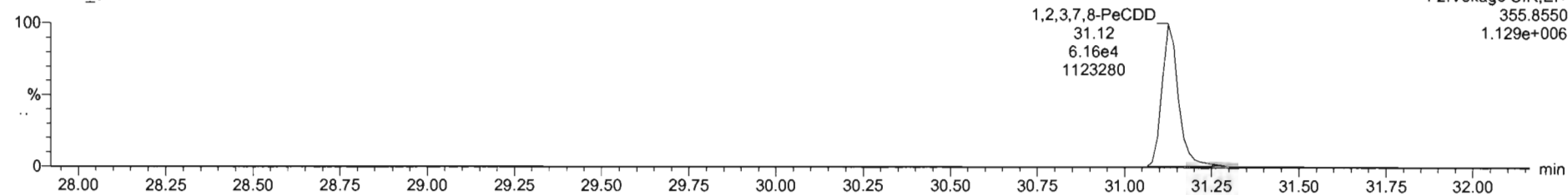
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1,2,3,7,8-PeCDD

200429R2_3

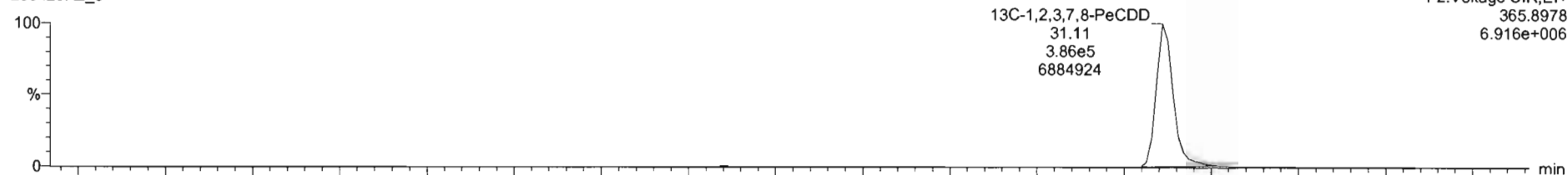


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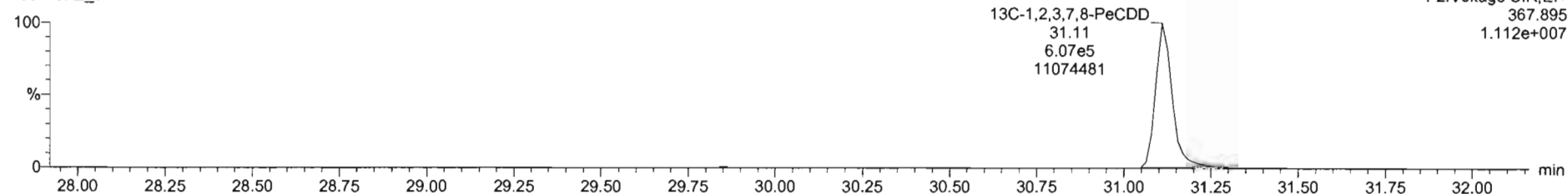


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200429R2_3



200429R2_3



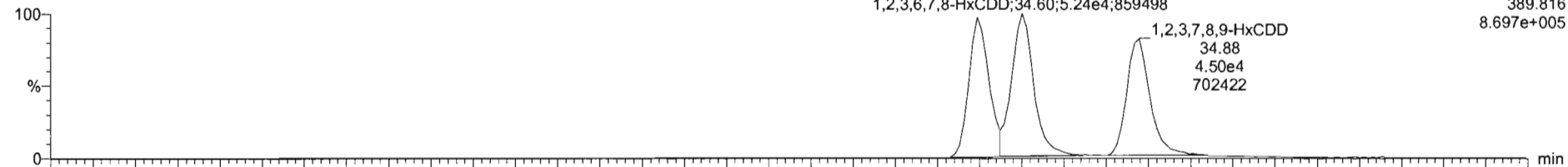
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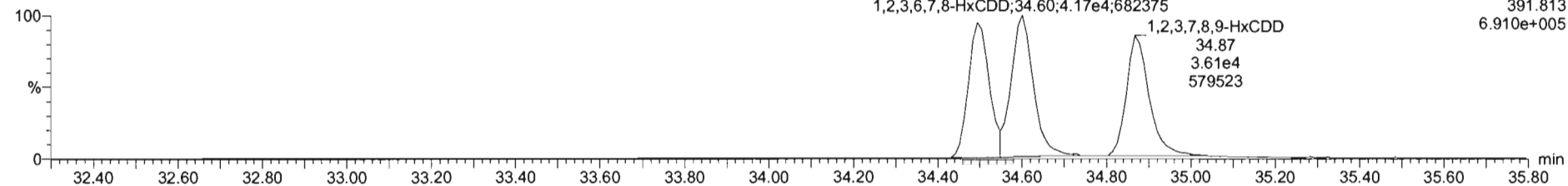
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1,2,3,4,7,8-HxCDD

200429R2_3

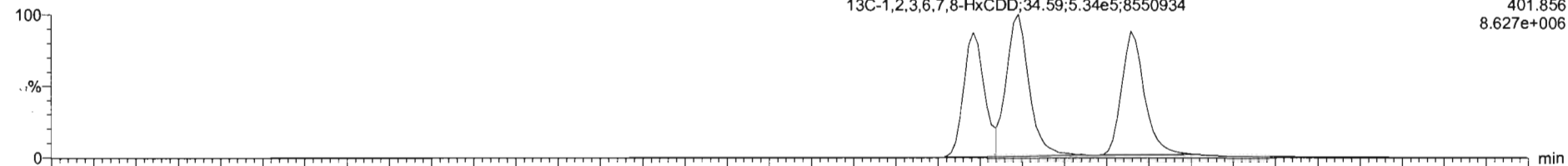


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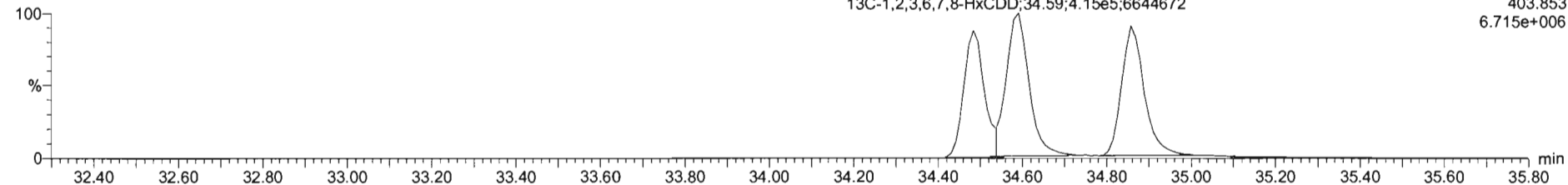


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200429R2_3



200429R2_3



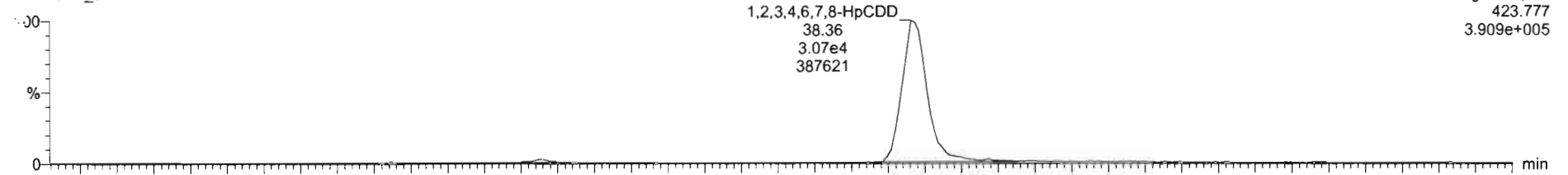
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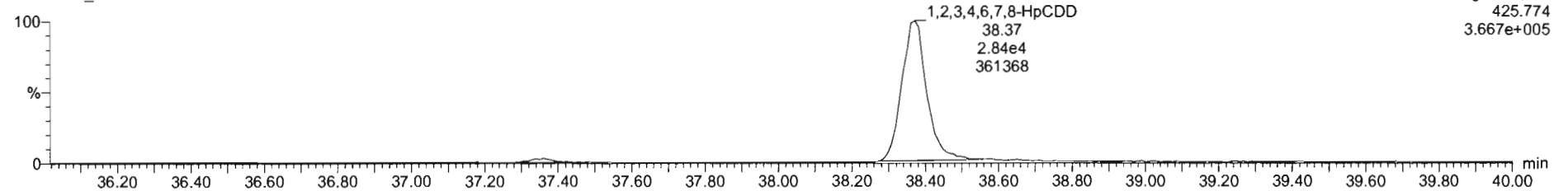
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1,2,3,4,6,7,8-HpCDD

200429R2_3

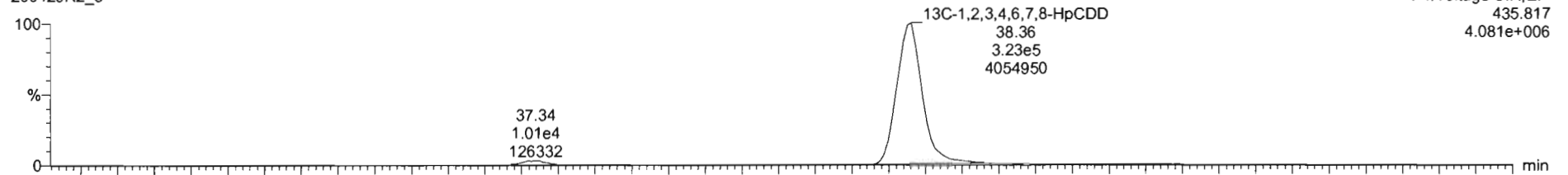


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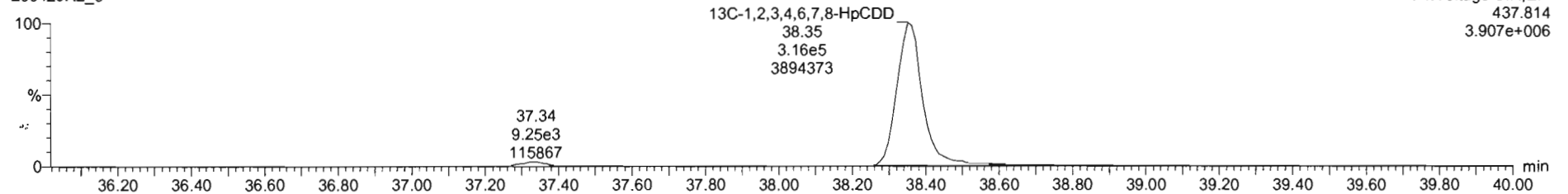


13C-1,2,3,4,6,7,8-HpCDD

200429R2_3



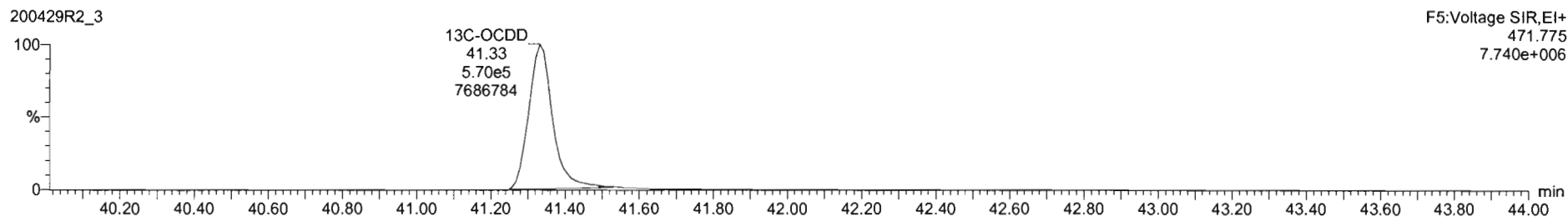
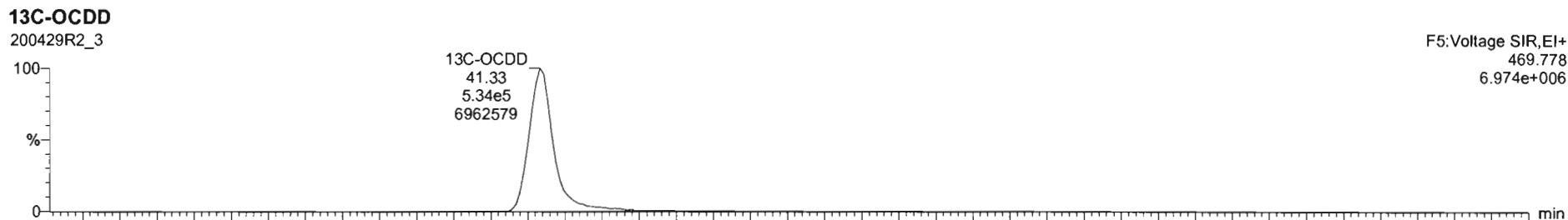
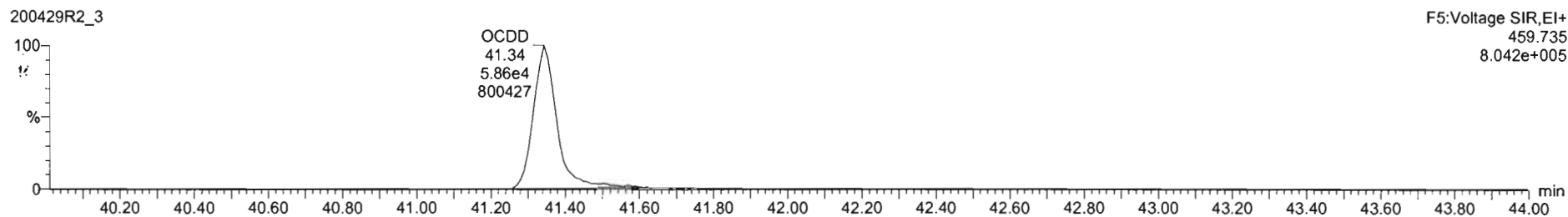
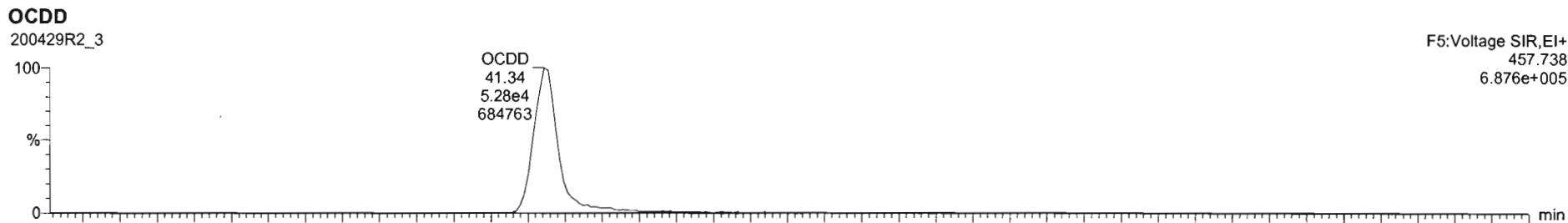
200429R2_3



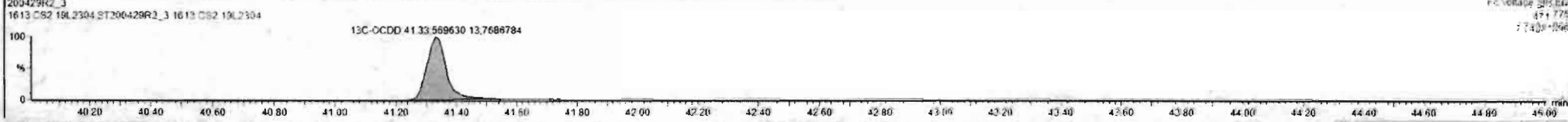
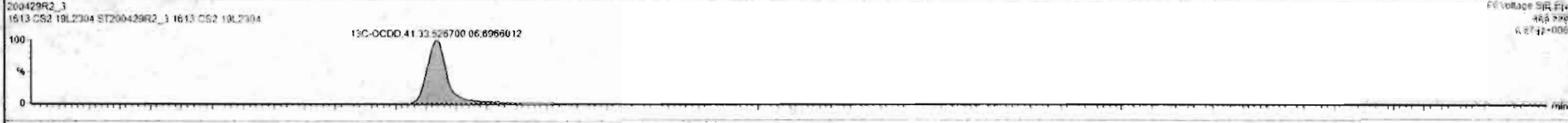
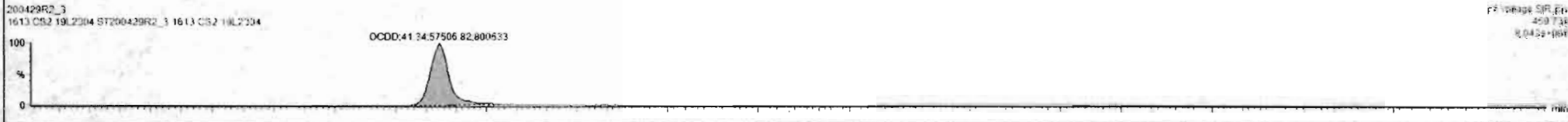
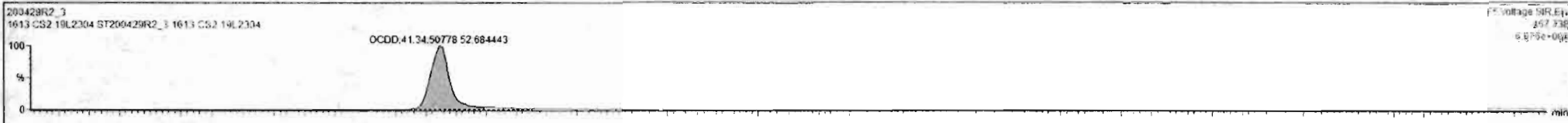
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_3, Date: 29-Apr-2020, Time: 15:02:24, ID: ST200429R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.000	2.1	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9912e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.246	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.2359e5	10.000	6.3	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.36	1.001	NO	5.3094e4	6.3852e5	10.000	3.1	6.93	0.856	0.0622
7	OCDD	41.34	0.863	NO	1.0629e5	1.0663e6	20.000	8.6	7.57	0.830	0.0767
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.067	NO	1.5997e5	1.6425e6	10.000	7.0	5.06	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.5656e6	10.000	6.4	4.98	0.906	0.0481
11	1,2,3,4,7,8-HxCDF	32.83	1.217	NO	9.1102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.200	NO	1.0896e5	1.1366e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0201e6	10.000	7.1	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	8.5876e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.90	0.950	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.8417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
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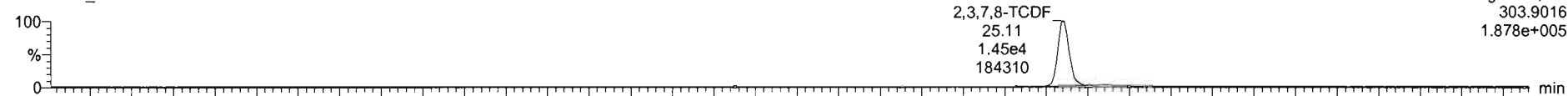
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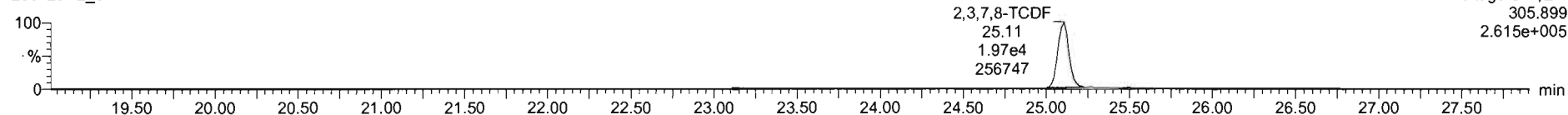
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2,3,7,8-TCDF

200429R2_3

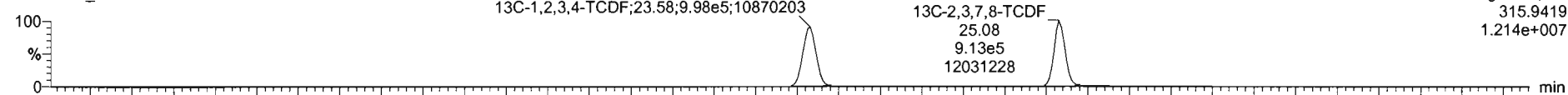


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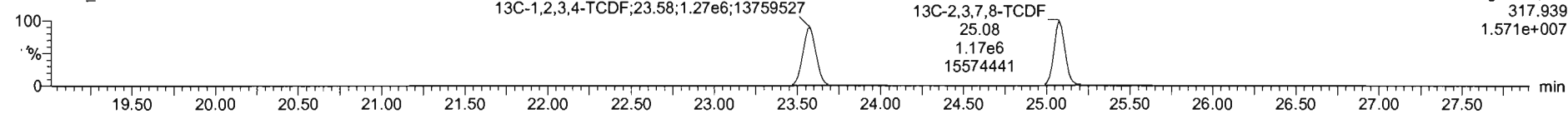


13C-2,3,7,8-TCDF

200429R2_3

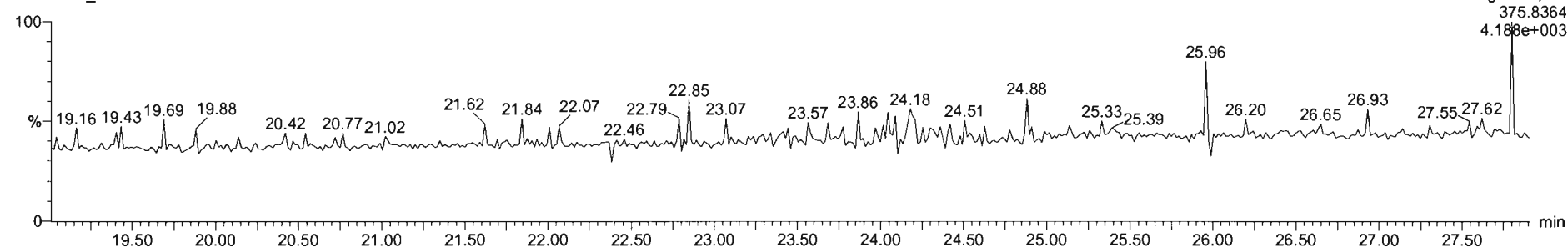


200429R2_3



DPE1

200429R2_3



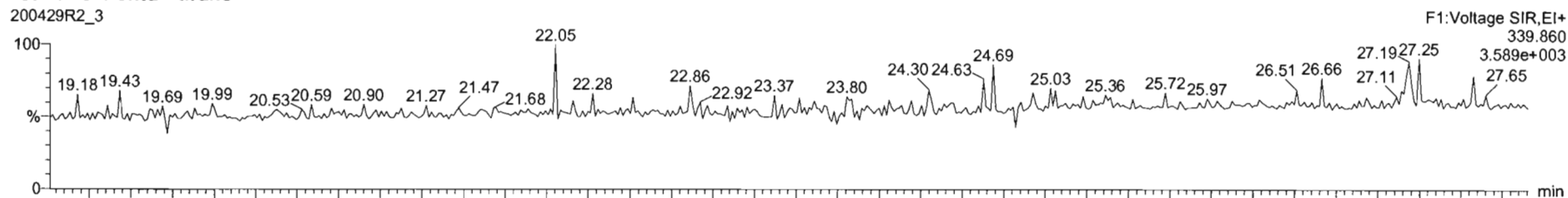
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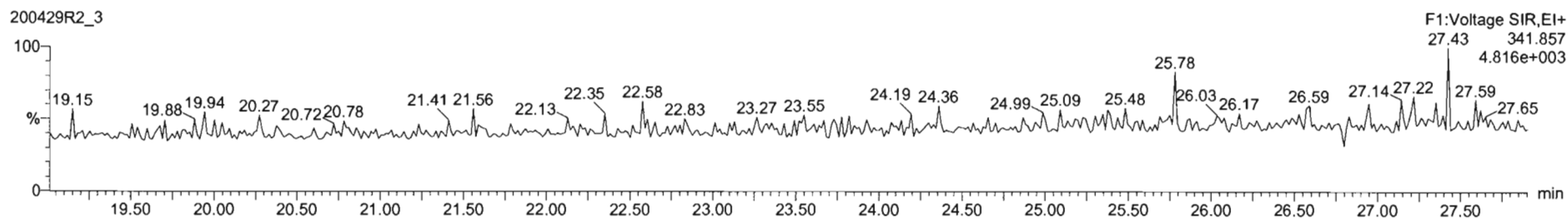
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200429R2_3

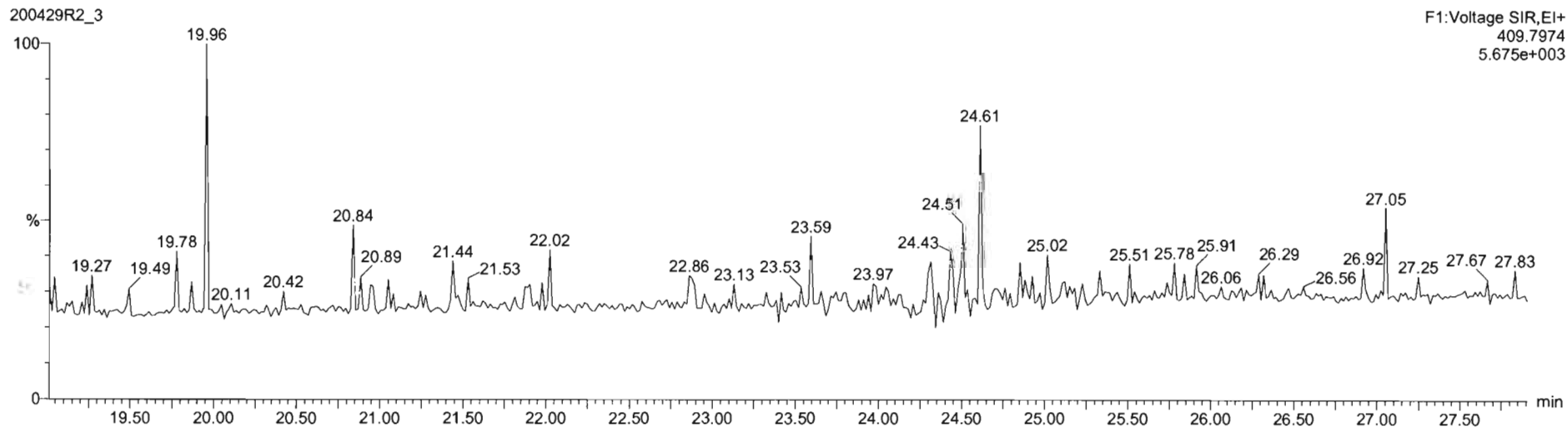


200429R2_3



DPE6

200429R2_3



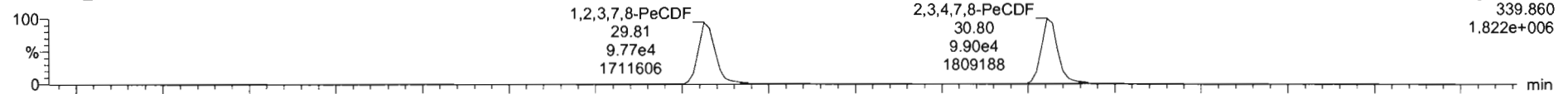
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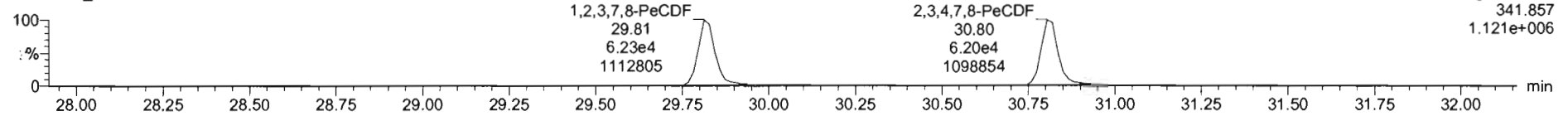
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1,2,3,7,8-PeCDF

200429R2_3

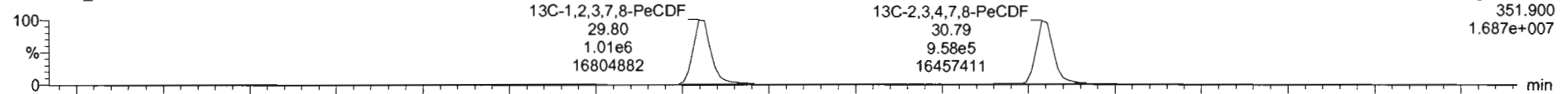


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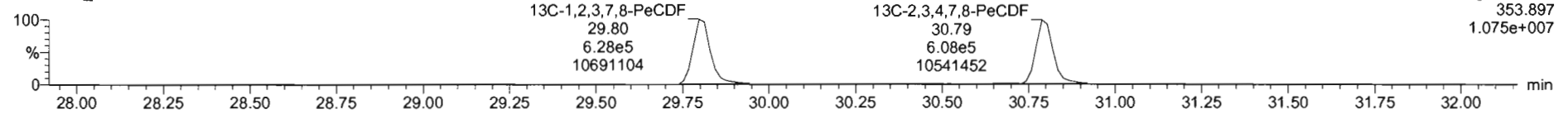


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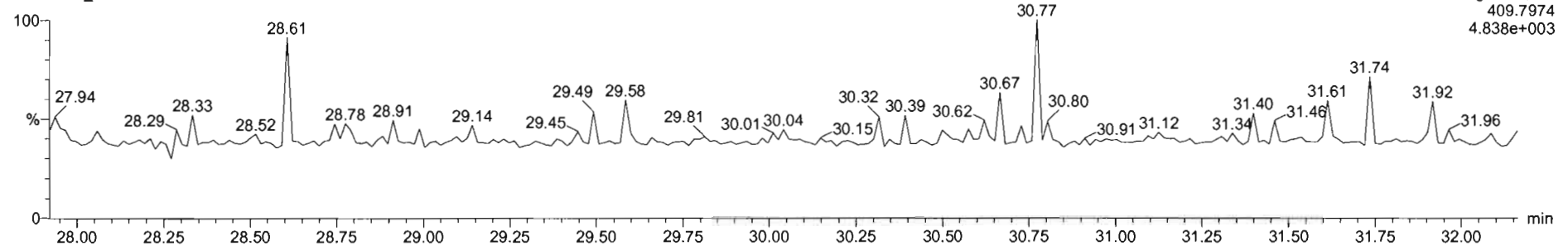


200429R2_3



DPE2

200429R2_3



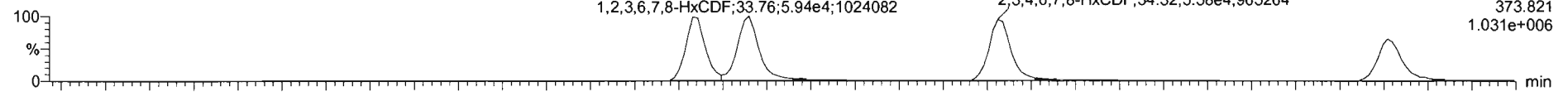
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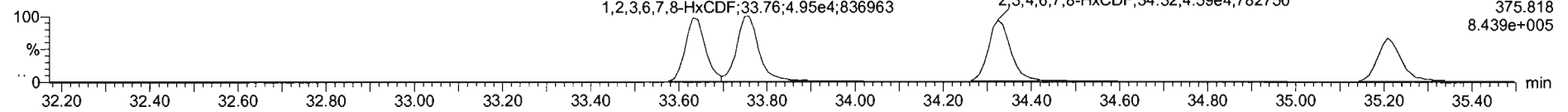
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1,2,3,4,7,8-HxCDF

200429R2_3

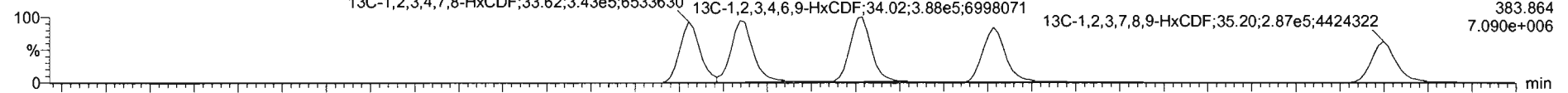


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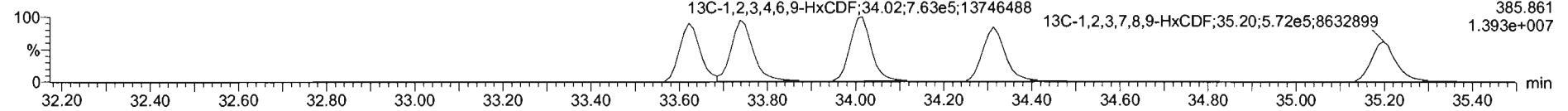


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200429R2_3

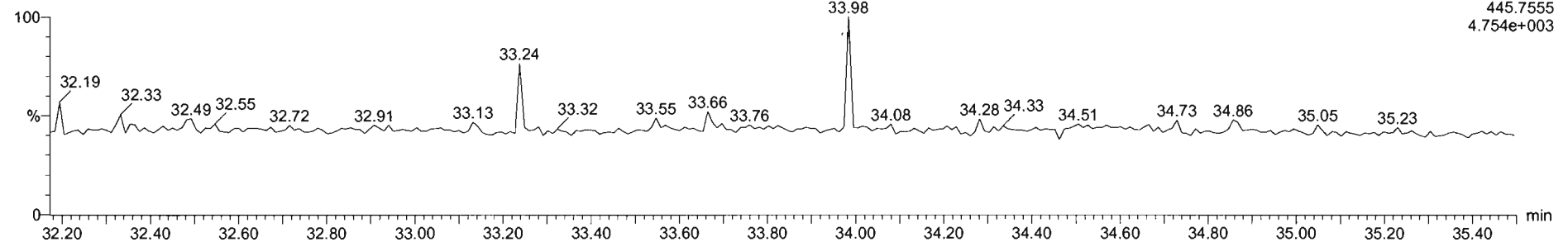


200429R2_3



DPE3

200429R2_3



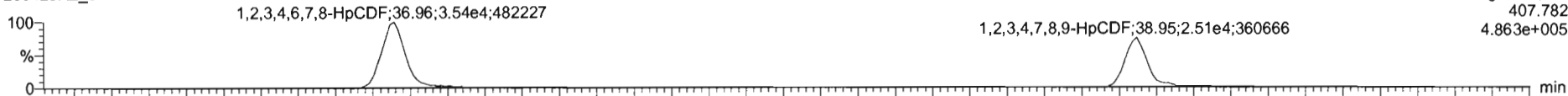
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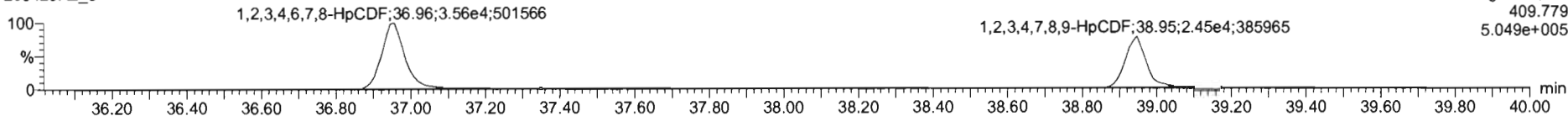
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1,2,3,4,6,7,8-HpCDF

200429R2_3

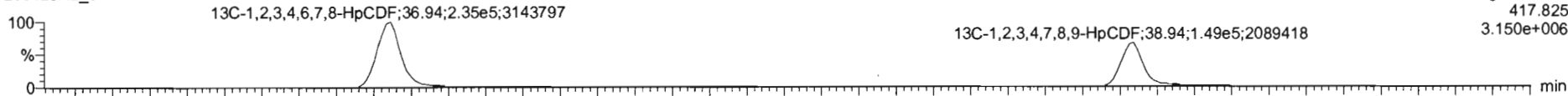


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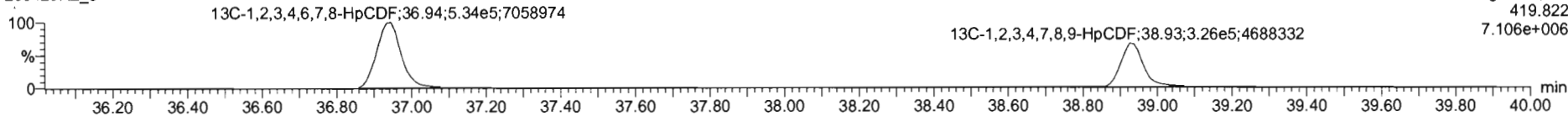


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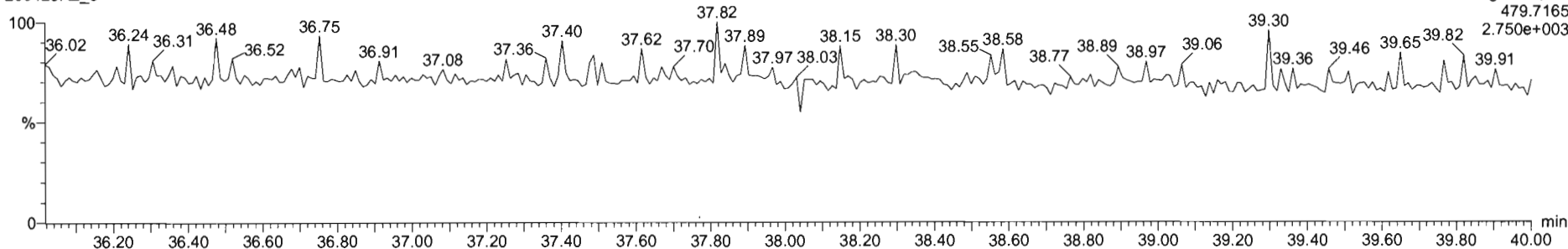


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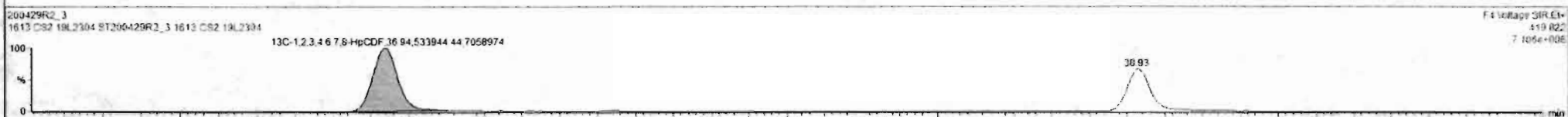
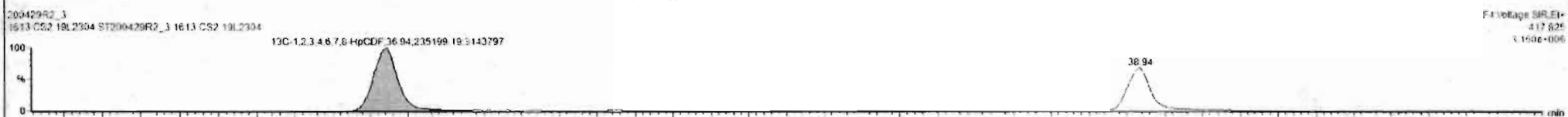
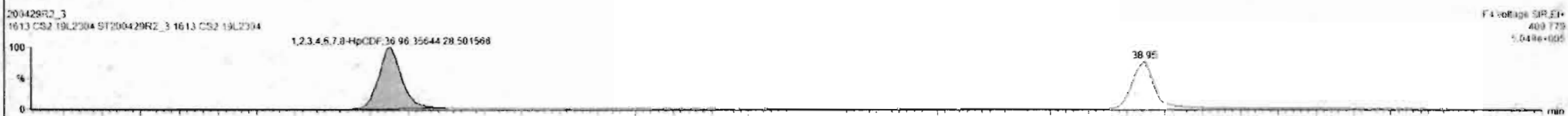
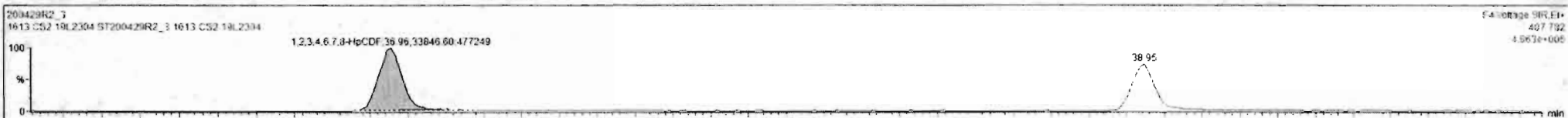


DPE4

200429R2_3



#	1	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF N	RRF SD
1	1	1,2,3,7,8-TCDD	26.95	0.757	NO	2.7677e4	1.4302e6	2.000	2.1	5.35	0.947	0.0507
2	2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.49	1.248	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0794
4	4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.3359e5	10.000	6.3	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.36	1.051	NO	5.9094e4	6.3652e5	10.000	3.1	6.93	0.856	0.0622
7	7	OCDD	41.34	0.853	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	8	1,2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.567	NO	1.5997e5	1.8425e6	10.000	7.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6103e5	1.5556e6	10.000	6.4	4.98	0.966	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.63	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	13	1,2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0786
14	14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	8.5276e5	10.000	4.9	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	38.96	0.850	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0652
16	16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.3417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	17	OCDF	41.52	0.877	NO	1.0707e5	1.2711e6	20.000	5.0	7.16	0.602	0.0575

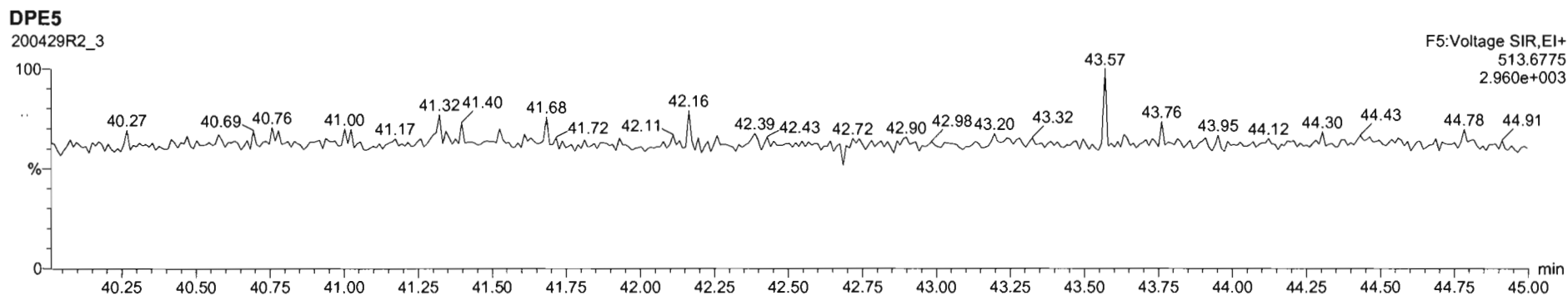
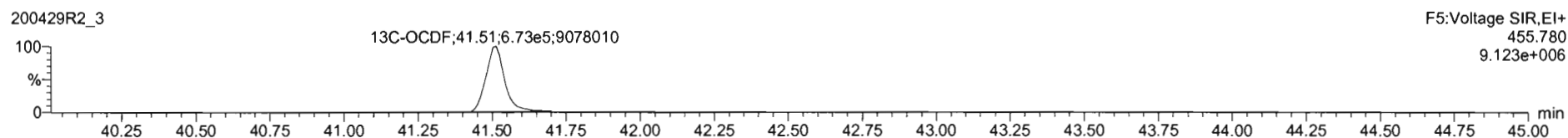
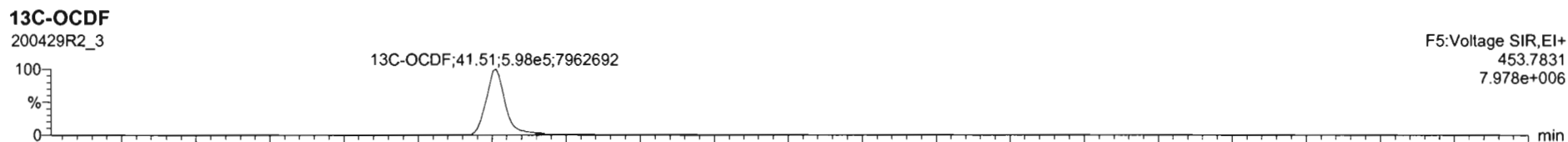
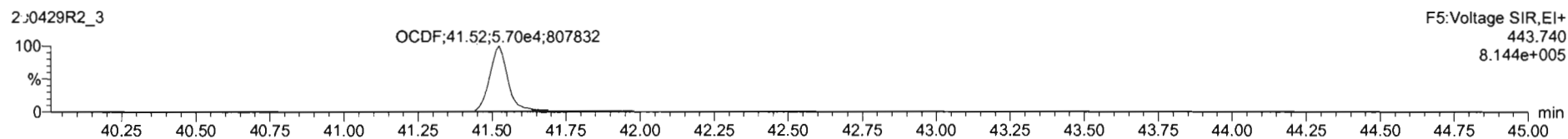
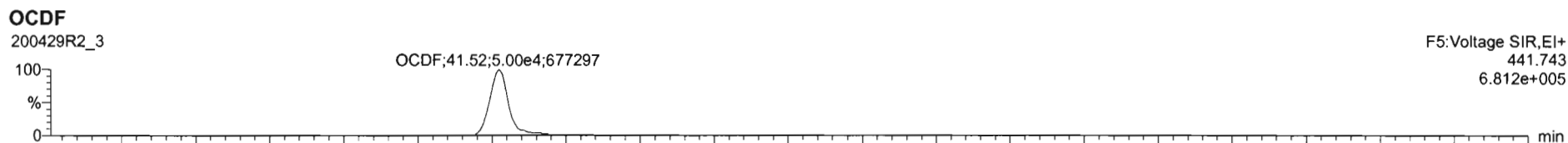


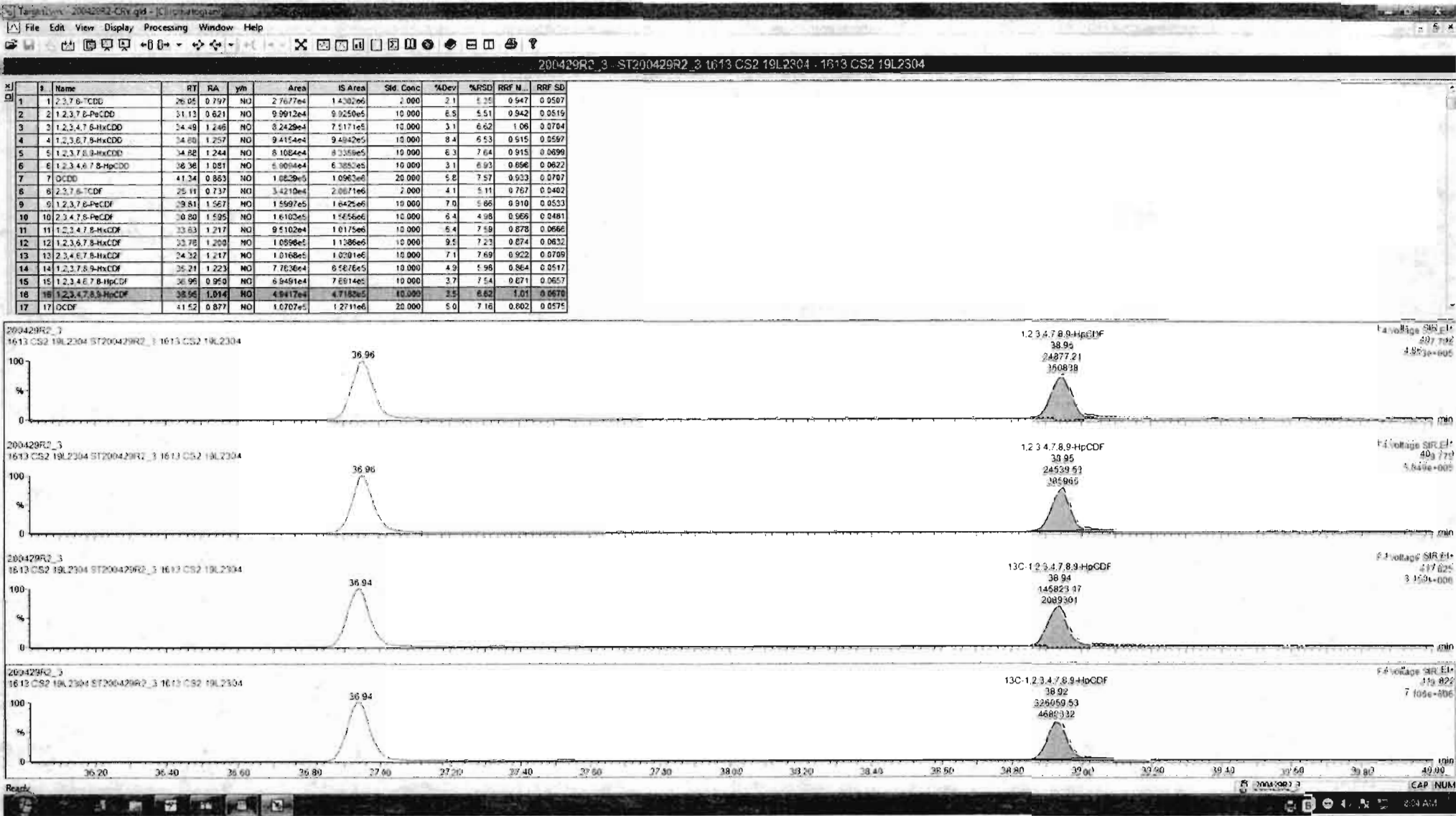
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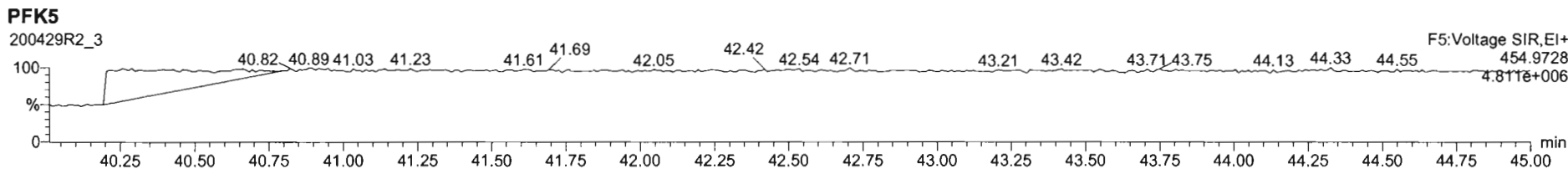
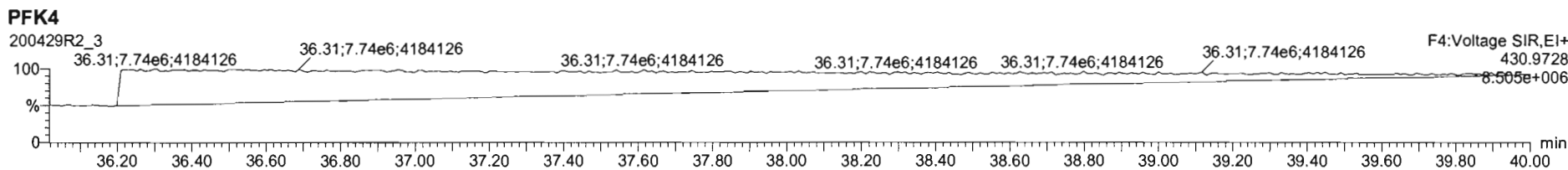
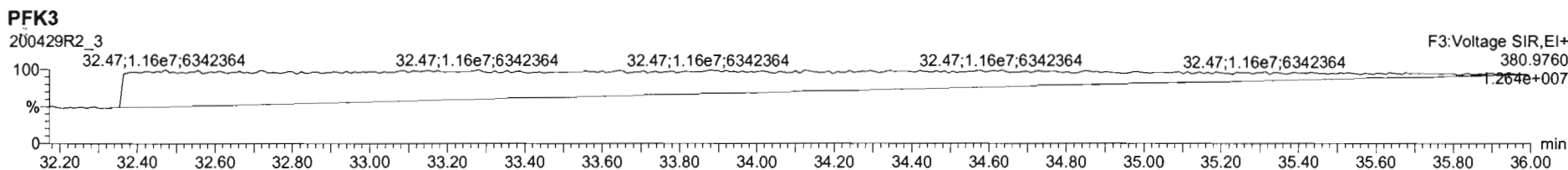
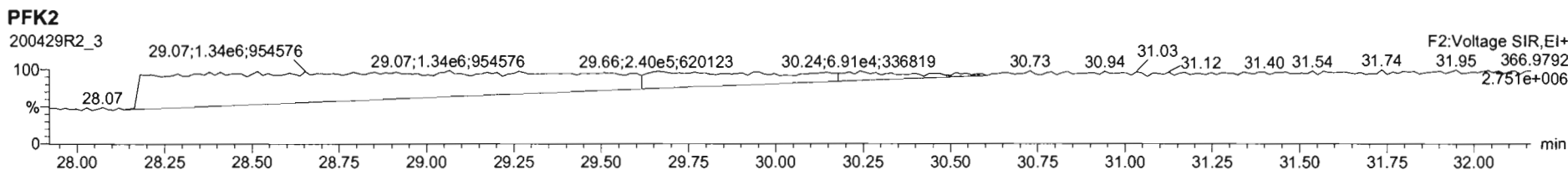
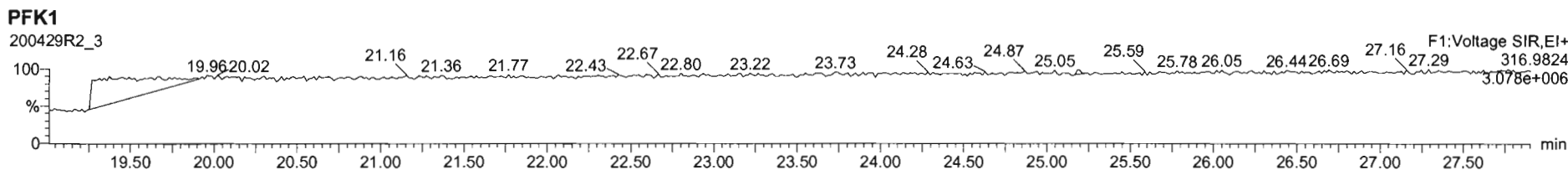




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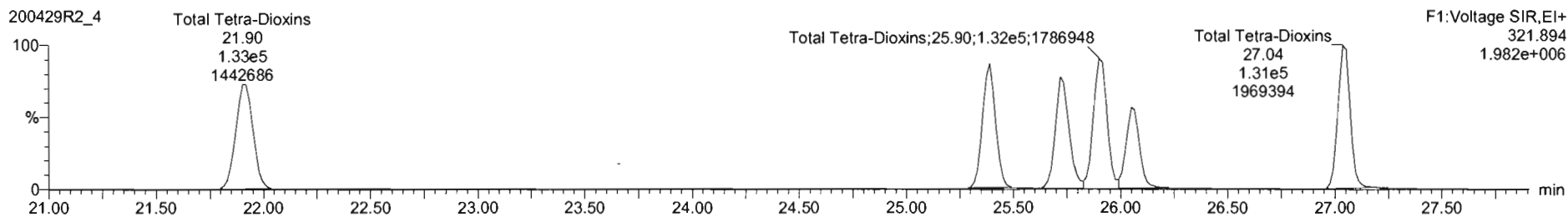
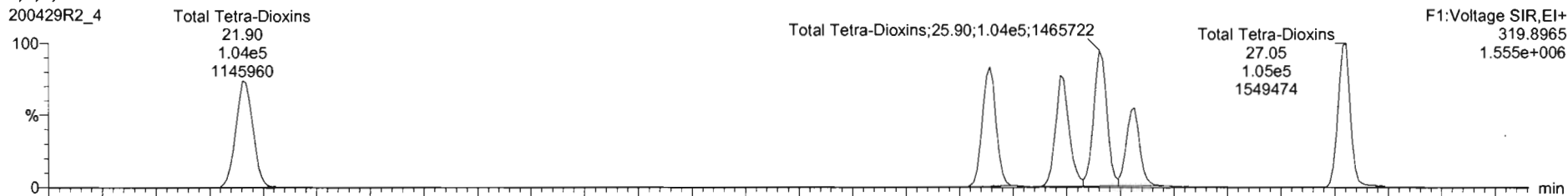


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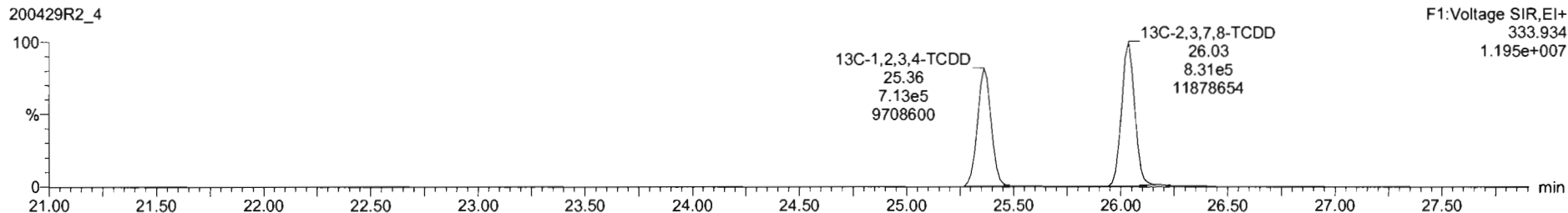
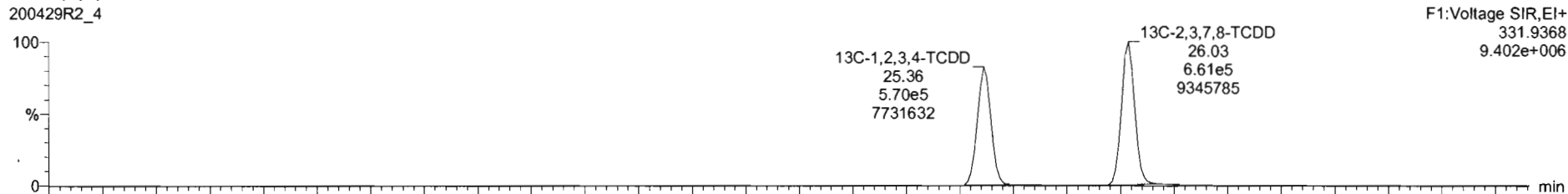
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2,3,7,8-TCDD



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



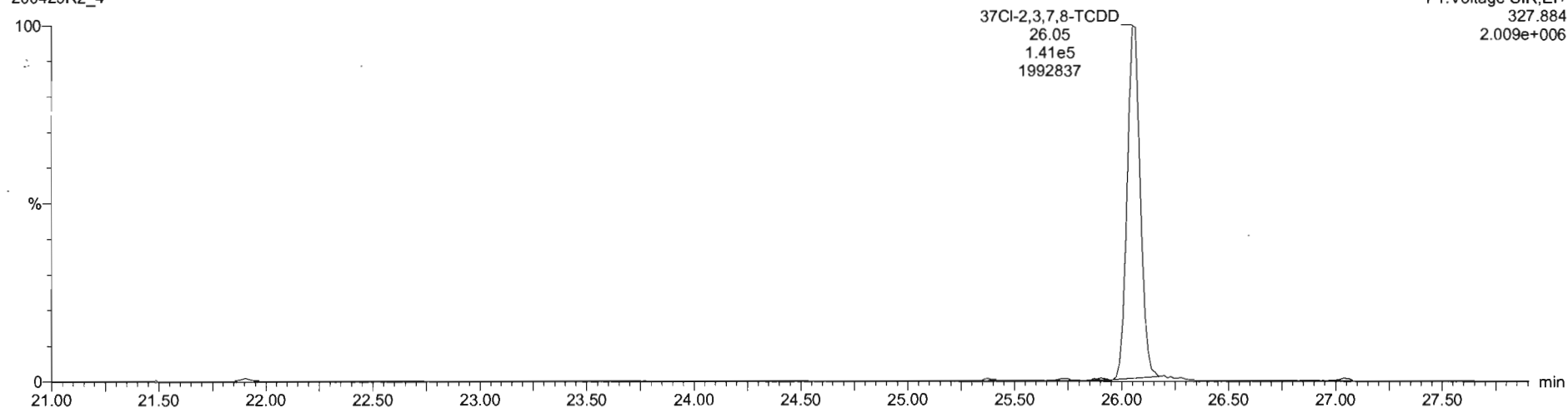
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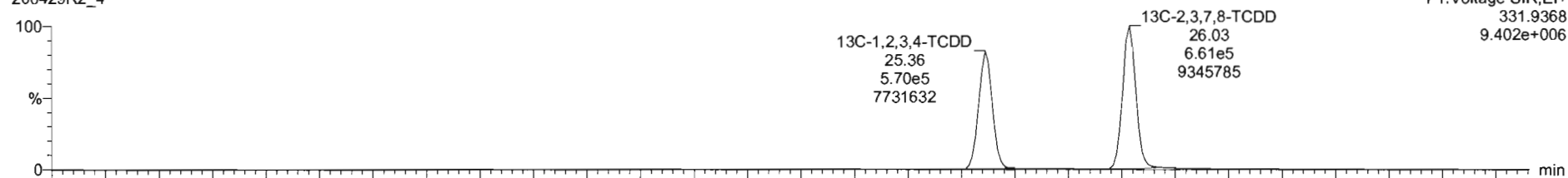
37Cl-2,3,7,8-TCDD

200429R2_4

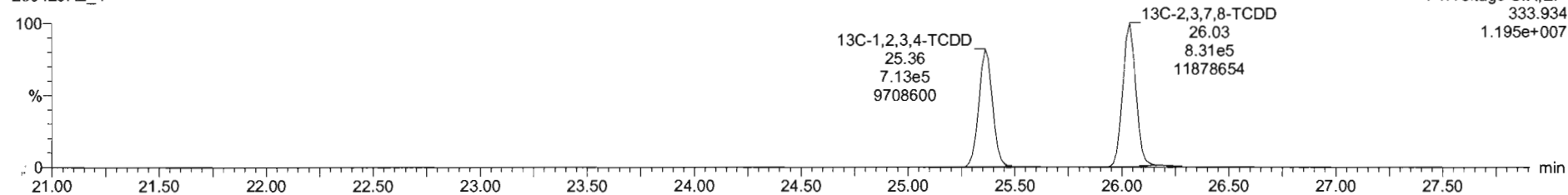


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200429R2_4



200429R2_4



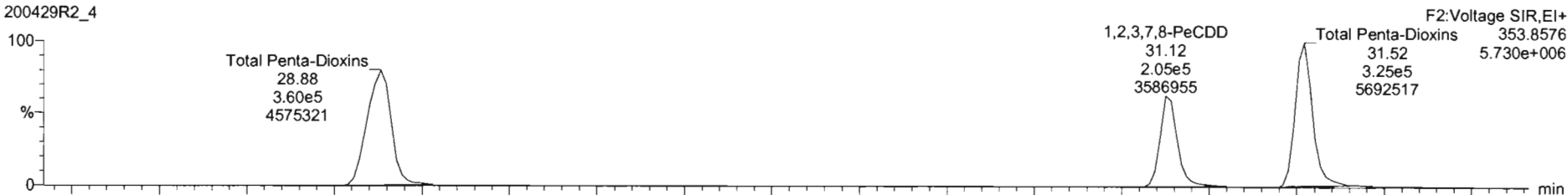
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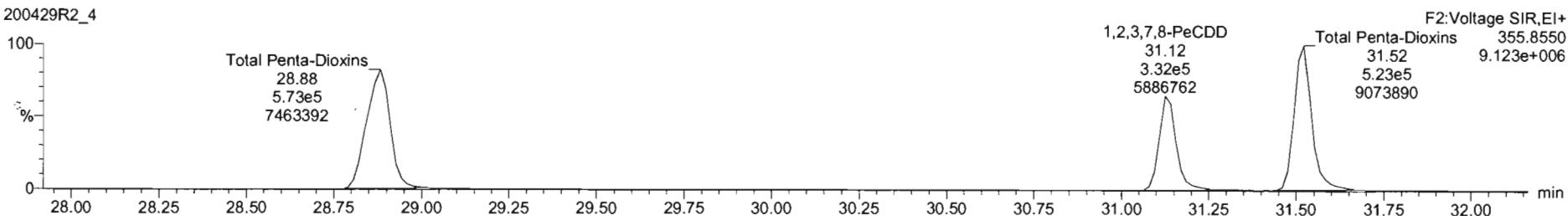
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200429R2_4

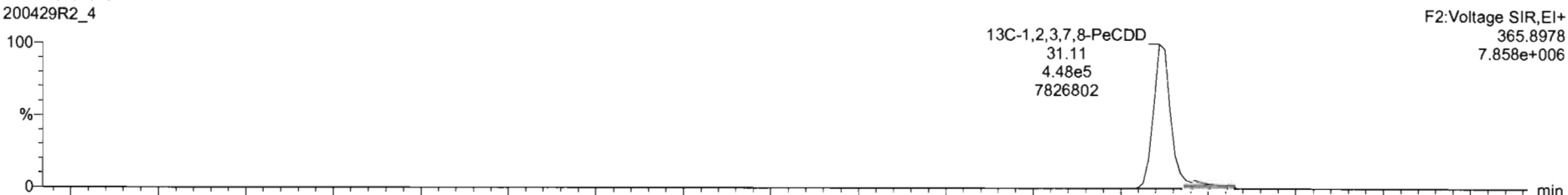


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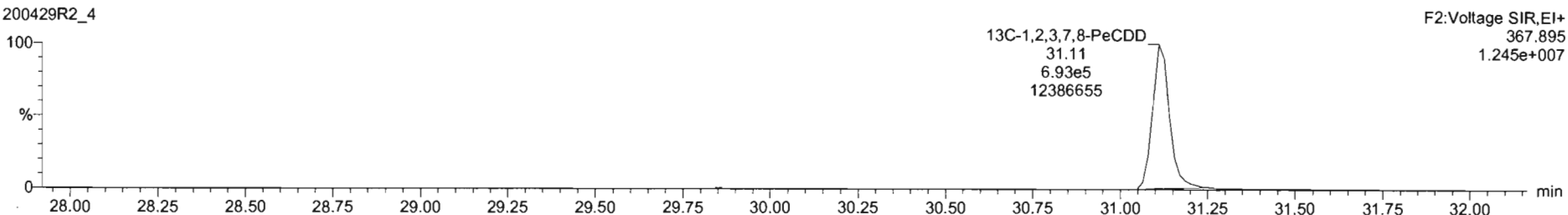


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200429R2_4



200429R2_4



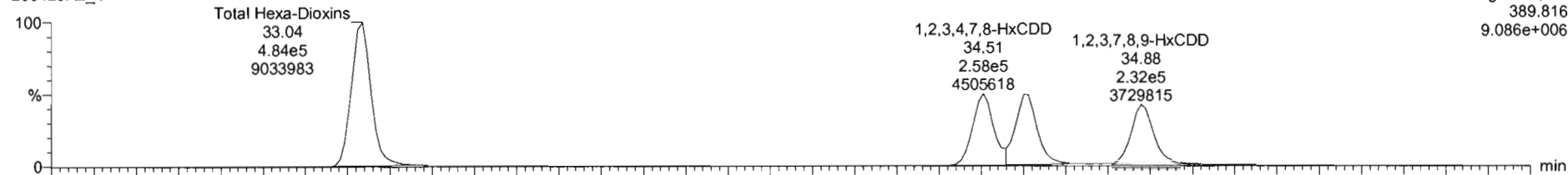
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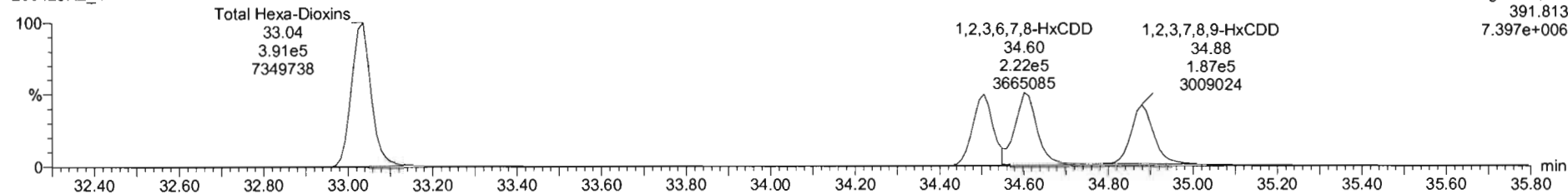
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200429R2_4

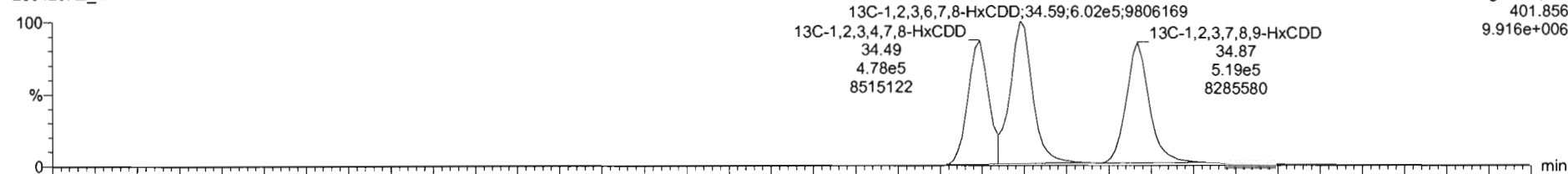


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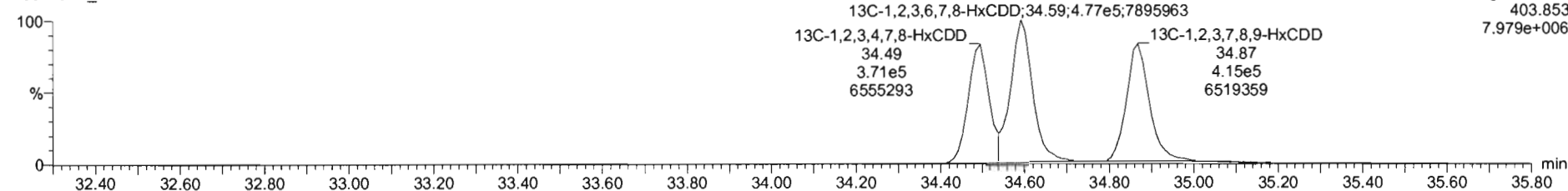


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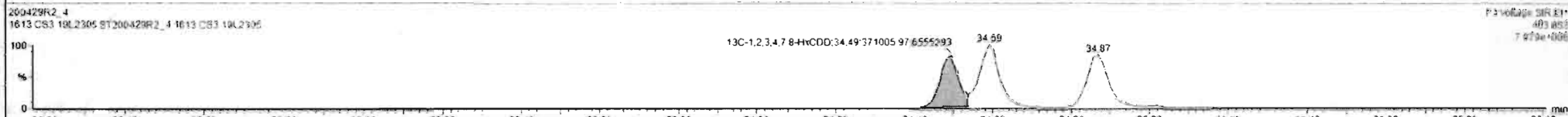
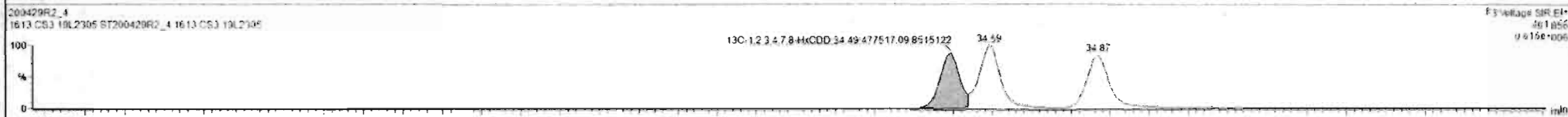
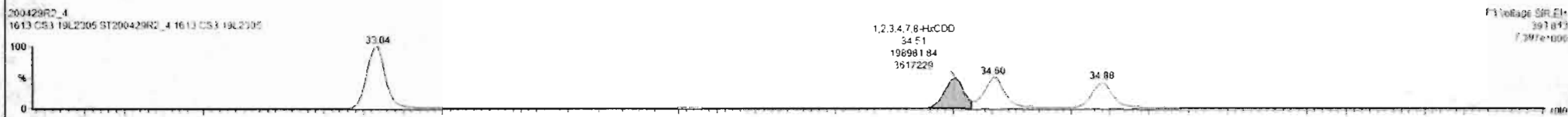
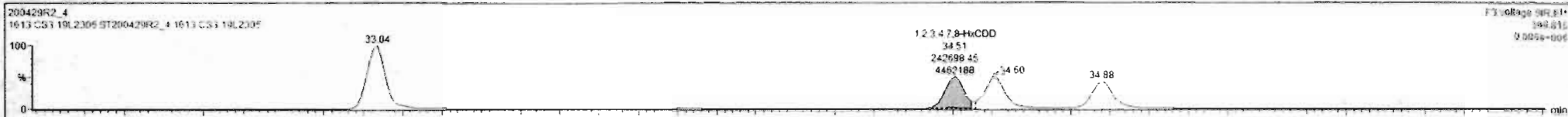
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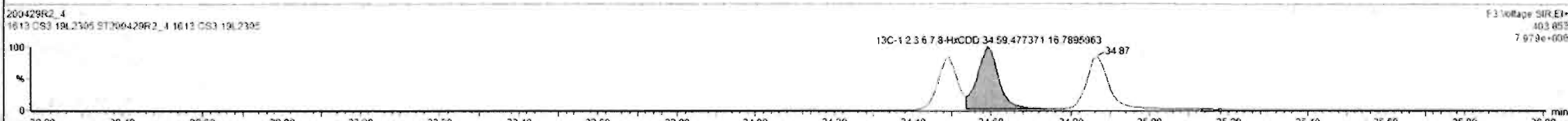
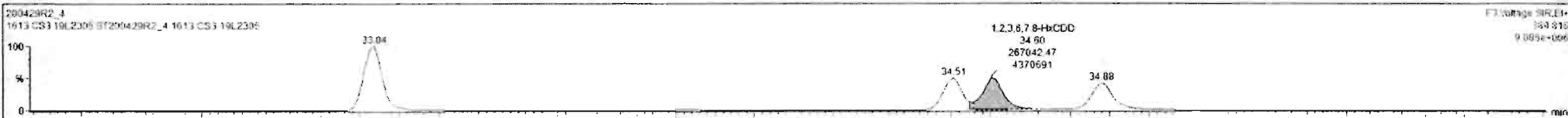
200429R2_4



#	s	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.35	0.947	0.0407
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.226	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	4	1,2,3,6,7,8-HxCDD	34.82	1.202	NO	4.8827e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0493
5	5	1,2,3,7,8,9-HxCDD	34.82	1.239	NO	4.1946e5	9.2381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.38	0.988	NO	3.0789e5	6.7896e5	50.000	1.0	6.93	0.696	0.0622
7	7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.939	0.0763
8	8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0462
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.6862e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.666	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5766e5	1.2611e6	50.000	1.2	7.23	0.874	0.0633
13	13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.68	0.902	0.0765
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.98	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5972e5	5.1182e5	50.000	0.3	6.62	1.01	0.0679
17	17	OCDF	41.53	0.862	NO	5.3038e5	1.3196e6	100.000	1.3	7.16	0.863	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.25	0.947	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3879e5	1.1411e6	50.000	0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8027e5	1.0736e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.98	1.239	NO	4.1946e5	9.2381e5	50.000	-1.5	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	38.38	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.25	0.879	NO	5.6237e5	1.1777e6	100.000	2.3	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1451e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.6822e6	50.000	0.0	5.86	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.80	1.559	NO	8.7458e5	1.9179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.674	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2624e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	6.6485e5	50.000	-1.2	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.602	0.0575



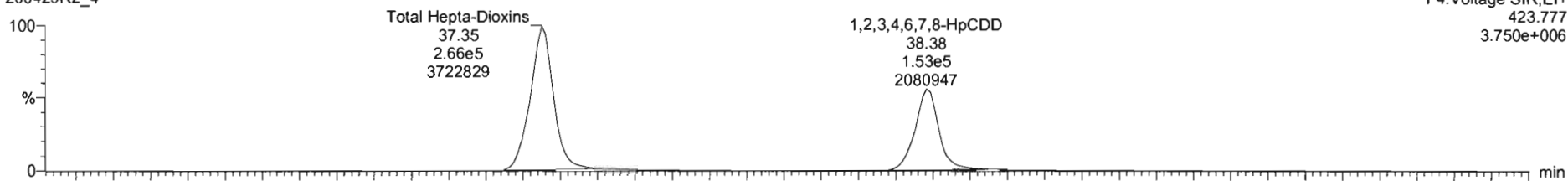
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

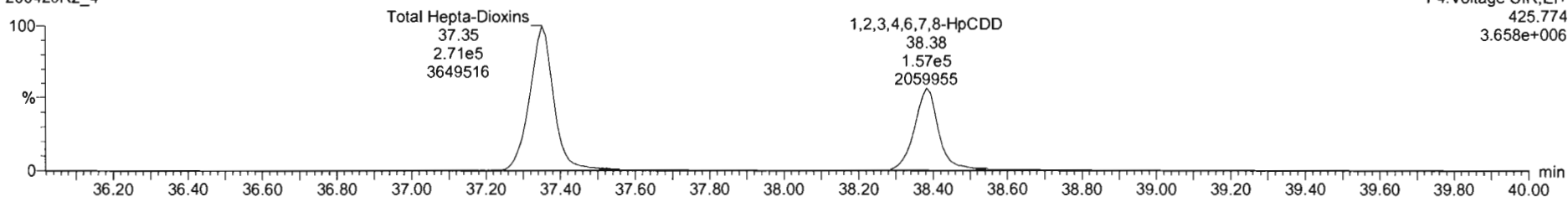
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200429R2_4

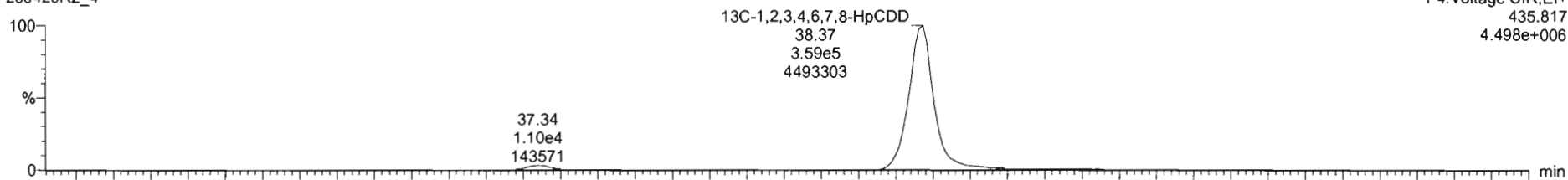


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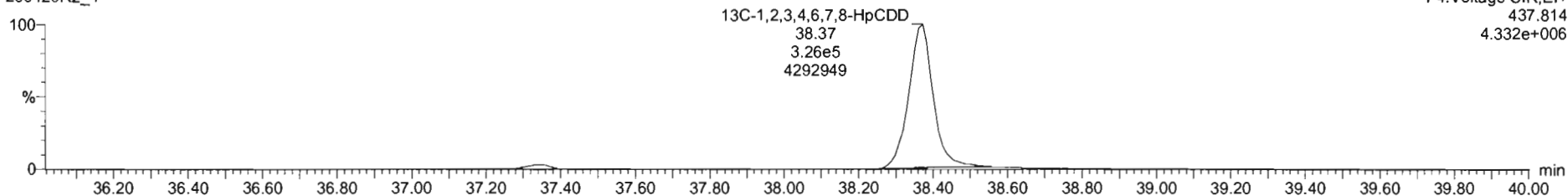


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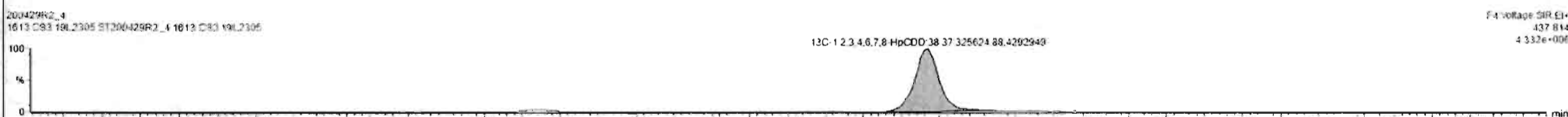
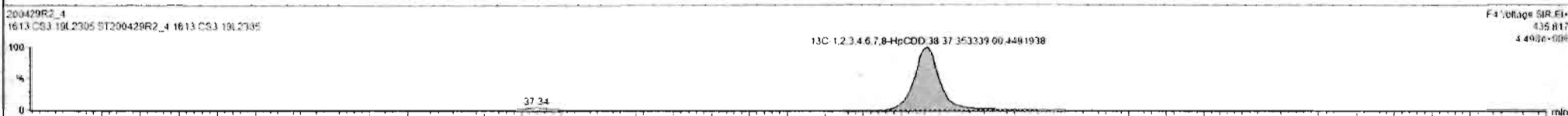
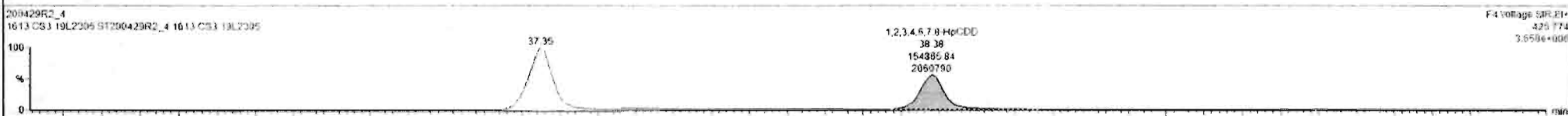
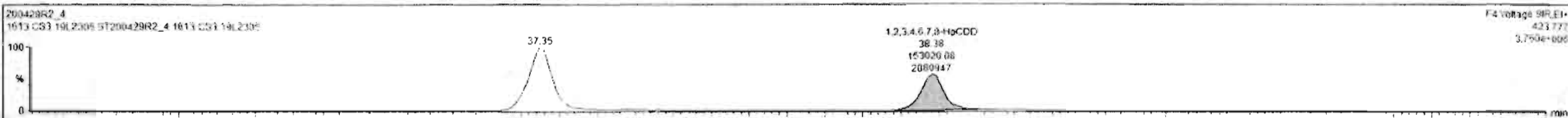
200429R2_4



200429R2_4



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,6-7-ClDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.229	NO	4.4168e5	8.4852e5	50.000	2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.00	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.98	1.219	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.36	0.968	NO	3.0769e5	6.7096e5	50.000	1.0	6.93	0.898	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.923	0.0707
8	2,3,7,8-7CDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.8662e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	29.00	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	33.76	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	24.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.22	1.169	NO	4.0244e5	9.2634e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	8.6486e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.06	0.998	NO	2.6973e5	5.1185e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575



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200429R2_4

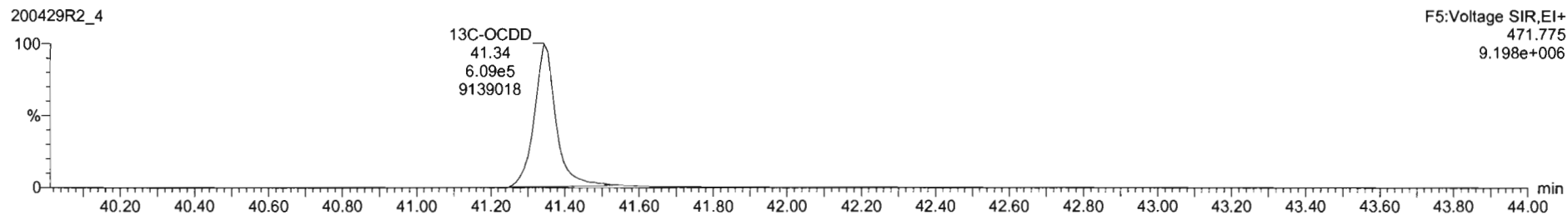
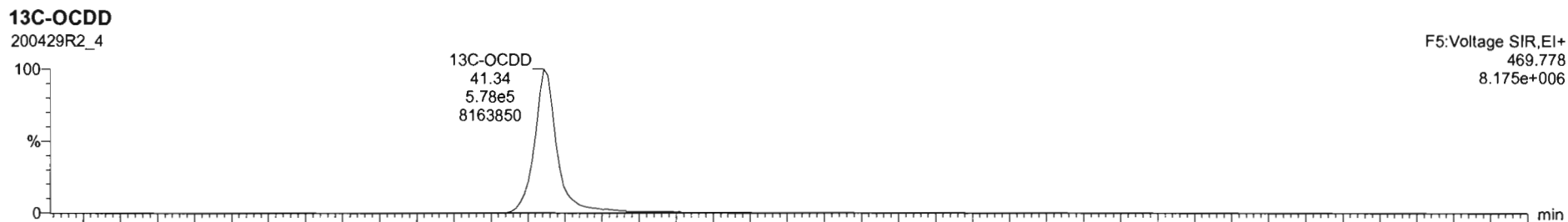
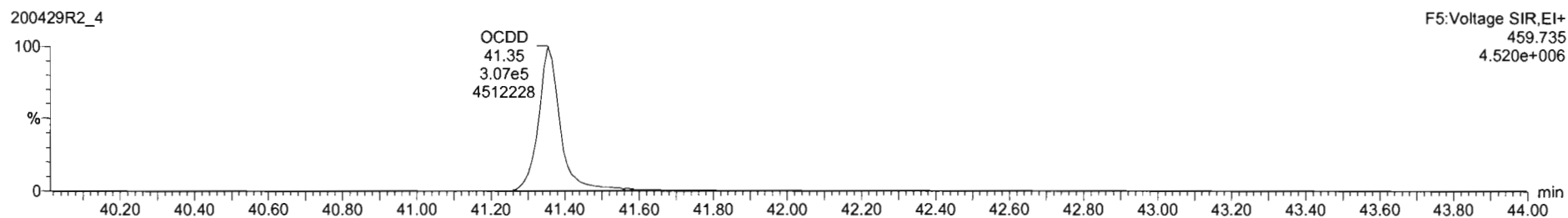
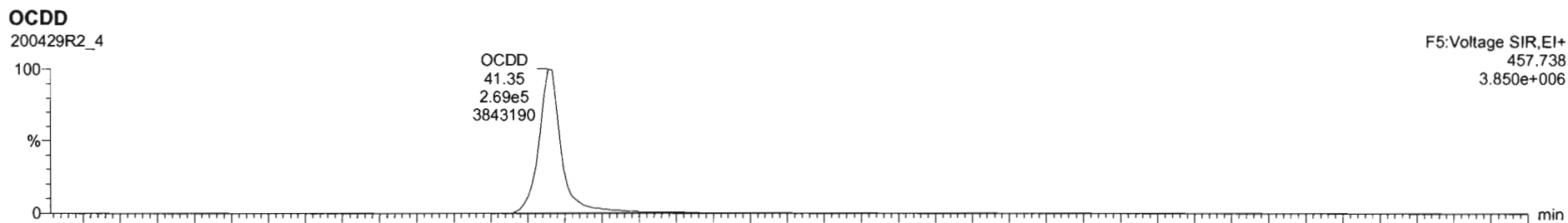
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305



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200429R2_4 - ST200429R2_4 1613 CS3 19L2305 - 1613 CS3 19L2305

#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4920e5	10.000	0.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4166e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.239	NO	4.1546e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	36.36	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.656	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.833	0.0269
8	2,2,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.8722e6	50.000	0.0	5.85	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.95	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5706e5	1.2811e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1299e6	50.000	3.2	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1183e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575

200429R2_4
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3.850e+006

200429R2_4
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OCDD 41.35,299767 25.4510946
F5 Voltage SIR.EI+
469.735
4.500e+006

200429R2_4
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13C-OCDD 41.34,588365 06.0167432
F5 Voltage SIR.EI+
463.775
3.175e+006

200429R2_4
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F5 Voltage SIR.EI+
471.775
9.190e+006

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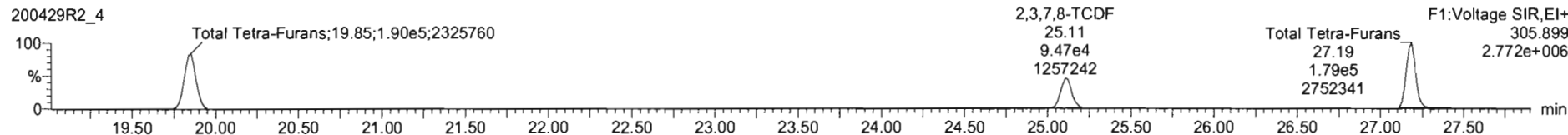
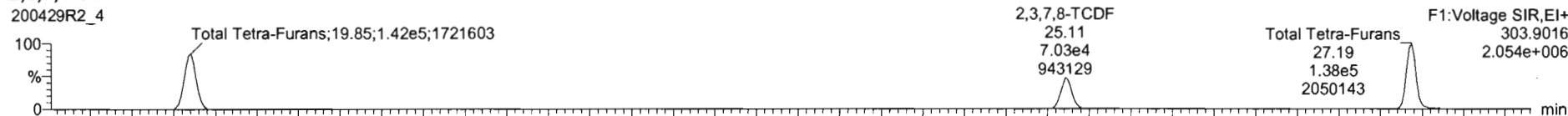
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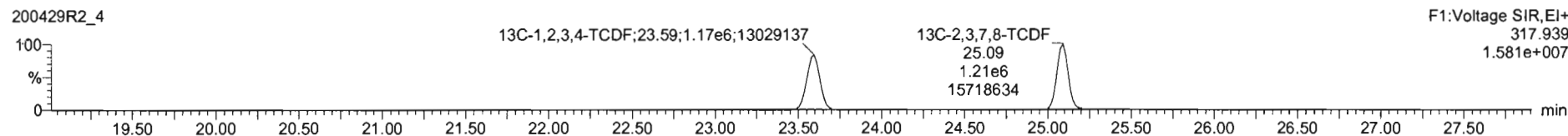
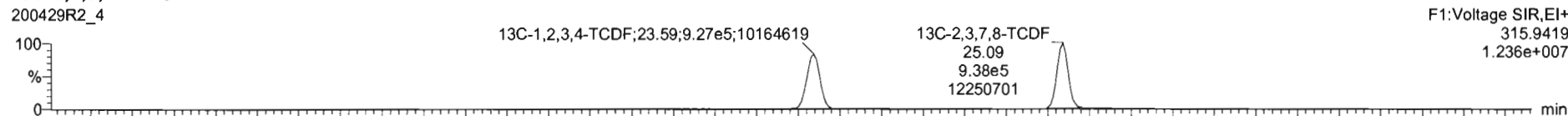
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

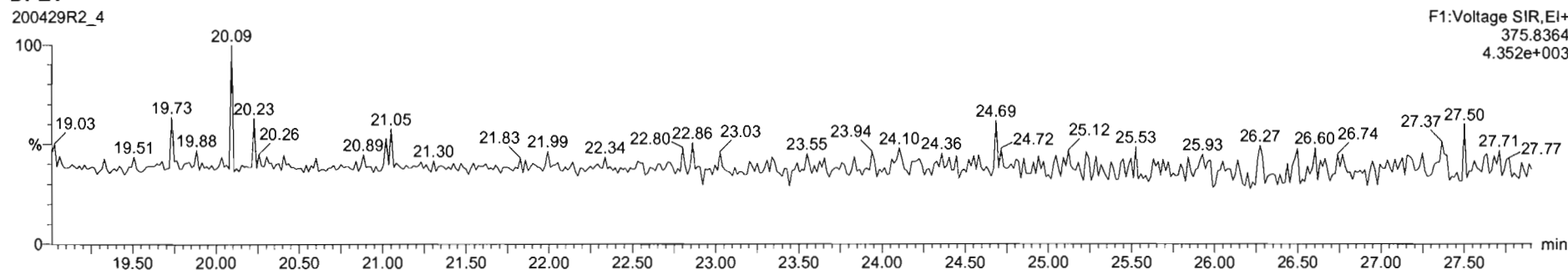
2,3,7,8-TCDF



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



DPE1



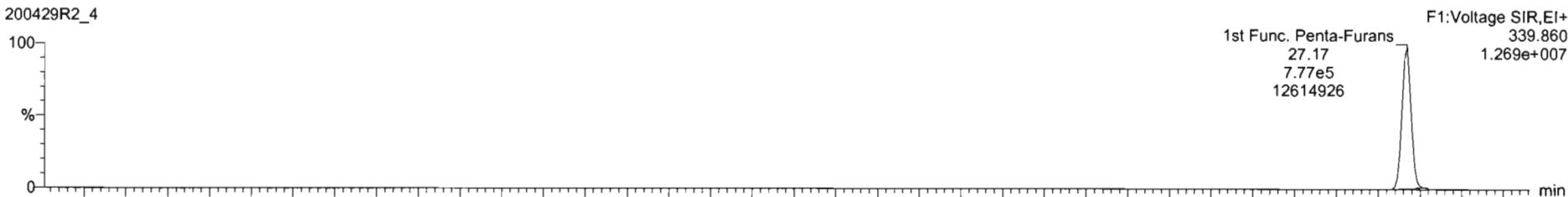
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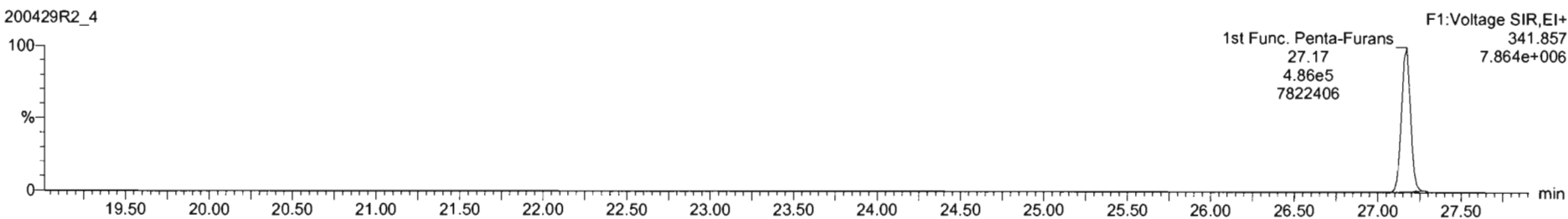
Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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200429R2_4

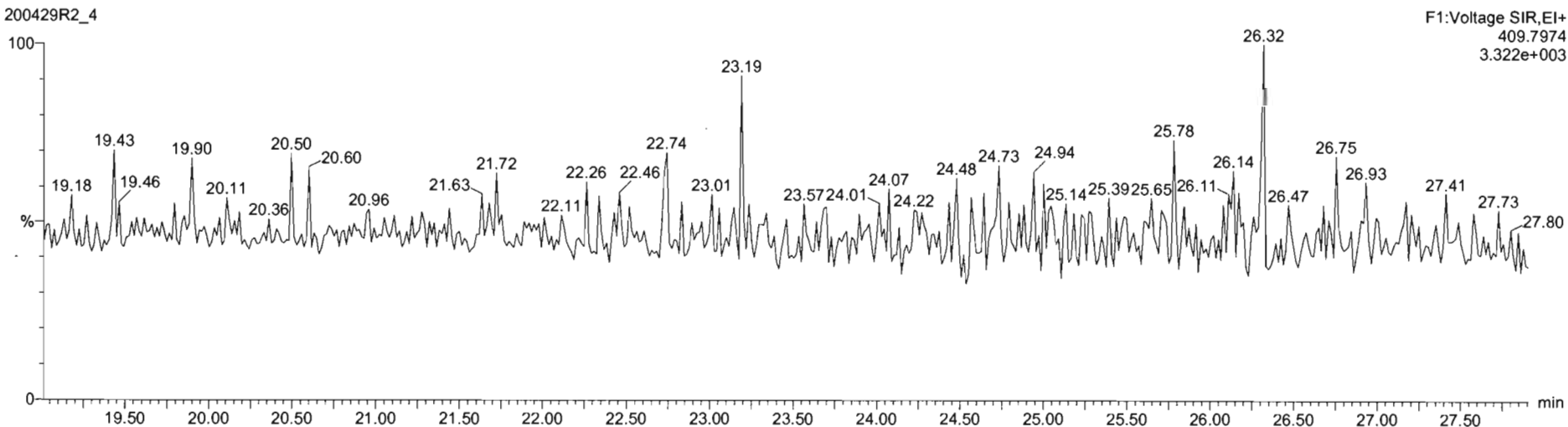


200429R2_4



DPE6

200429R2_4



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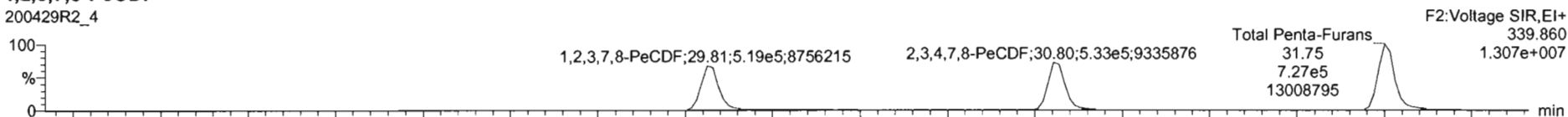
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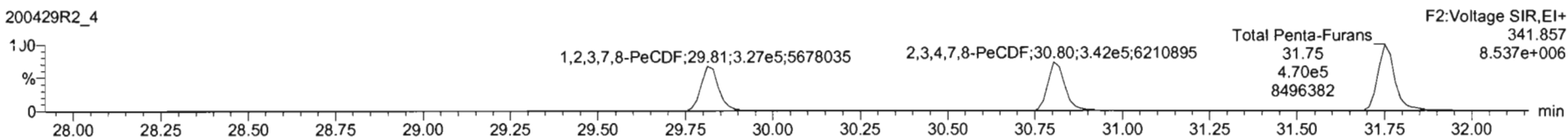
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1,2,3,7,8-PeCDF

200429R2_4

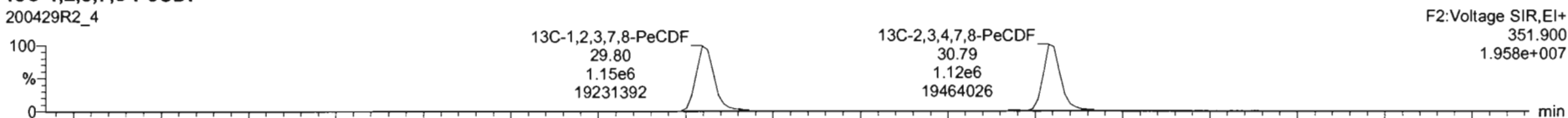


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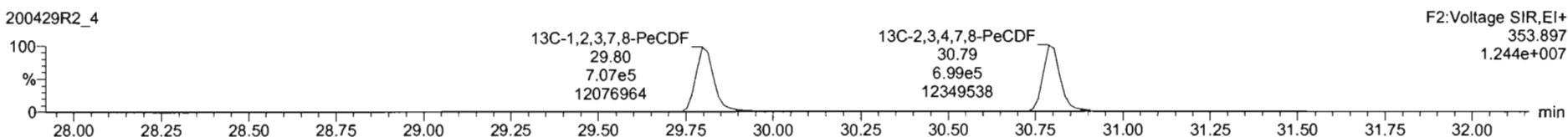


13C-1,2,3,7,8-PeCDF

200429R2_4

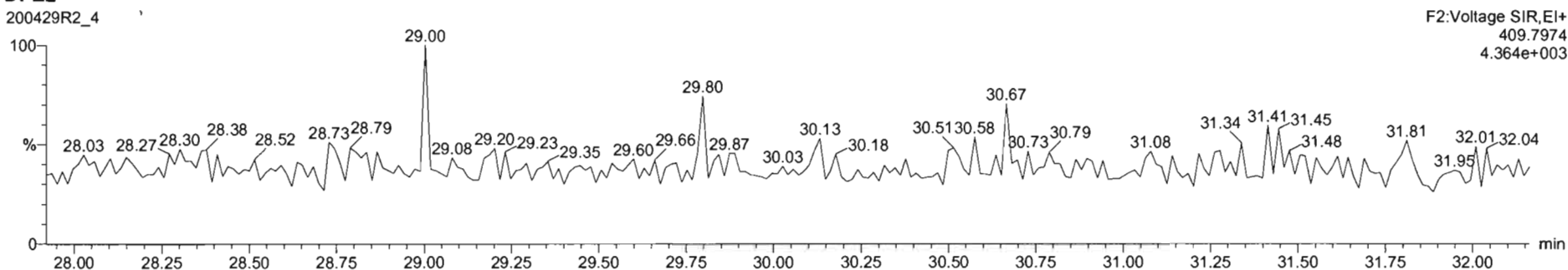


200429R2_4



DPE2

200429R2_4

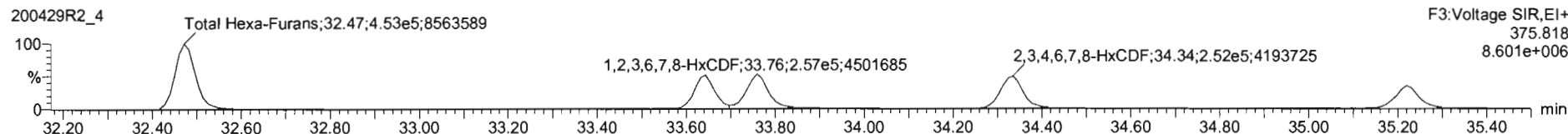
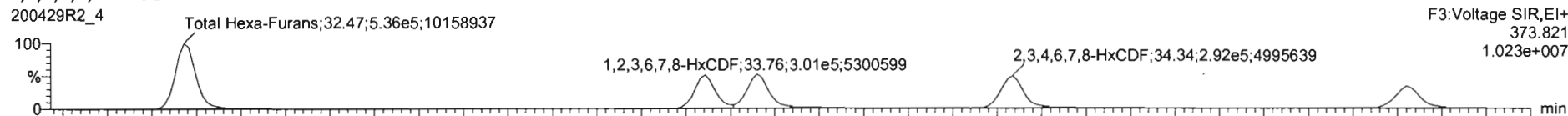


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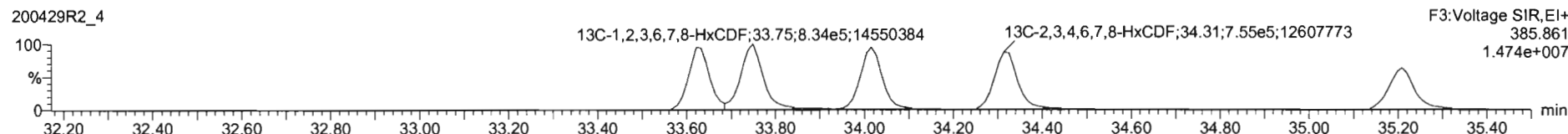
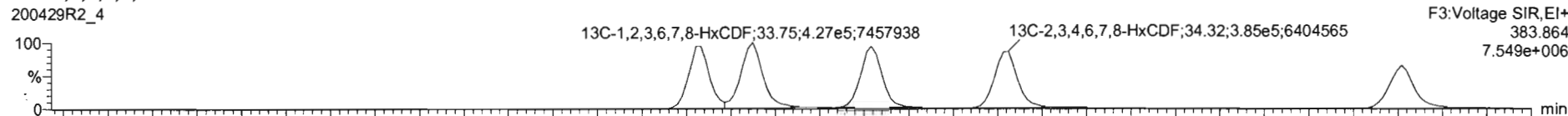
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

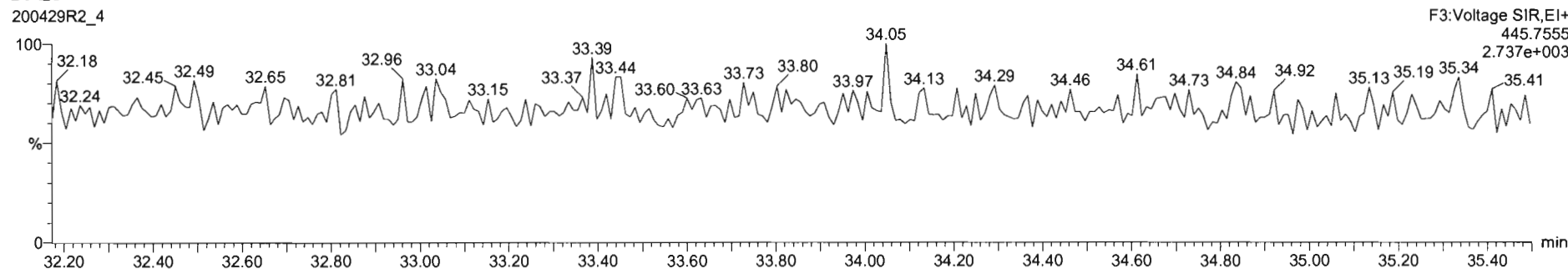
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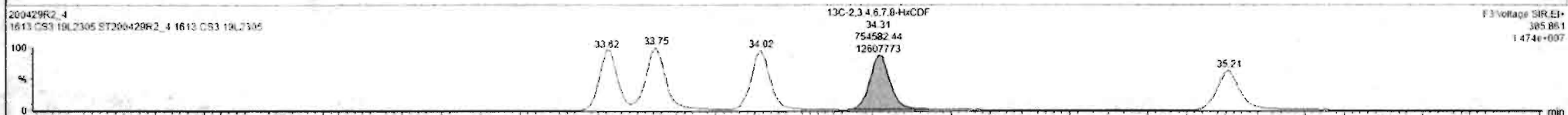
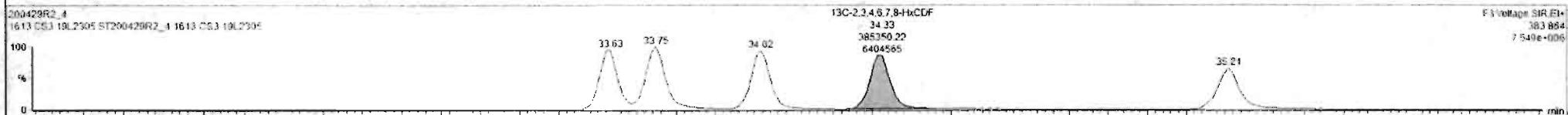
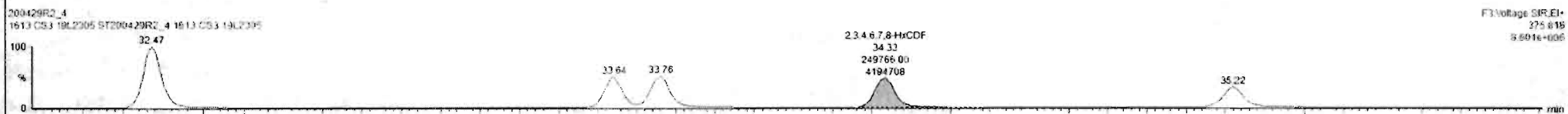
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DPE3



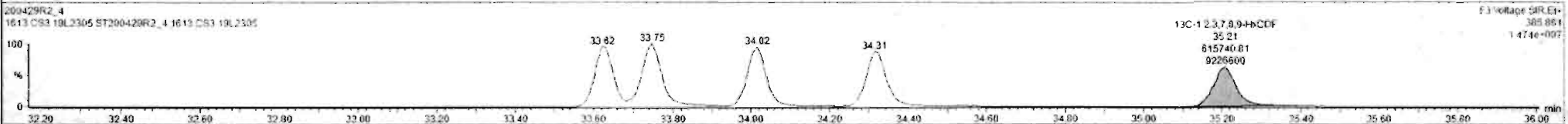
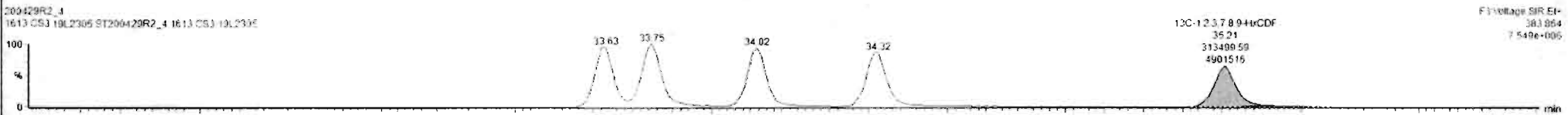
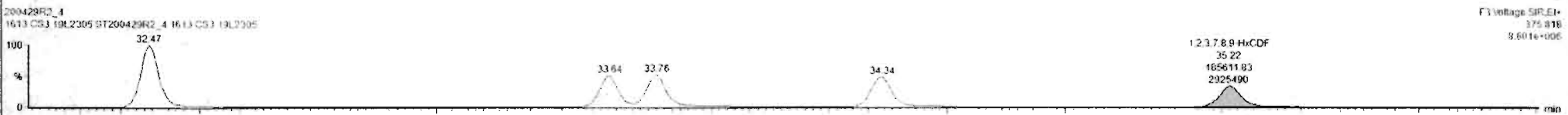
#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%PSD	RRF M.L.	RRF SD
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2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4850e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8907e5	1.0790e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.219	NO	4.1946e5	9.5281e5	50.000	-1.8	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.36	0.988	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.089	NO	8.4785e5	1.6762e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.90	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1230e6	50.000	1.1	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0652
13	2,3,4,6,7,8-HxCDF	34.33	1.171	NO	5.4192e5	1.1399e6	50.000	3.2	7.89	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.7	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	6.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1832e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3186e6	100.000	1.3	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_4 CAP NUM

#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.8	1.35	0.647	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.2678e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.202	NO	4.8027e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	24.98	1.219	NO	4.1546e5	9.3381e5	50.000	-1.5	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.38	0.988	NO	2.0768e5	6.7896e5	50.000	1.0	6.92	0.856	0.0622
7	OCDD	41.25	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.613	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4165e5	1.6682e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.6312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.23	1.170	NO	5.4197e5	1.1394e6	50.000	3.1	7.69	0.902	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.164	NO	4.6244e5	9.2024e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7234e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5973e5	5.1182e5	50.000	0.3	6.82	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.1650e5	1.3198e6	100.000	1.5	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_4 CAP NUM

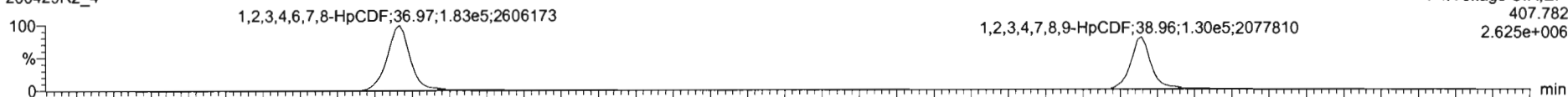
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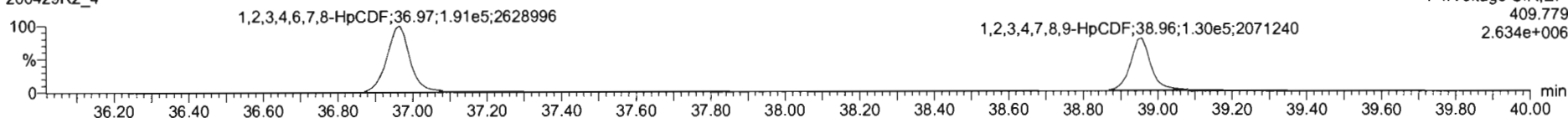
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1,2,3,4,6,7,8-HpCDF

200429R2_4

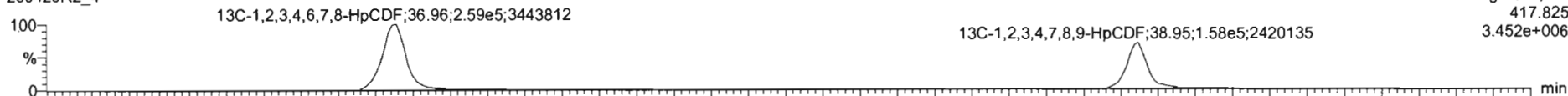


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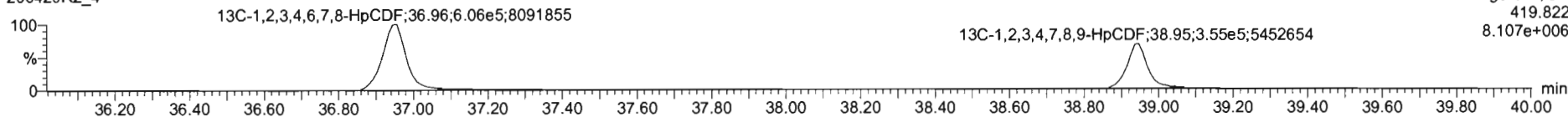


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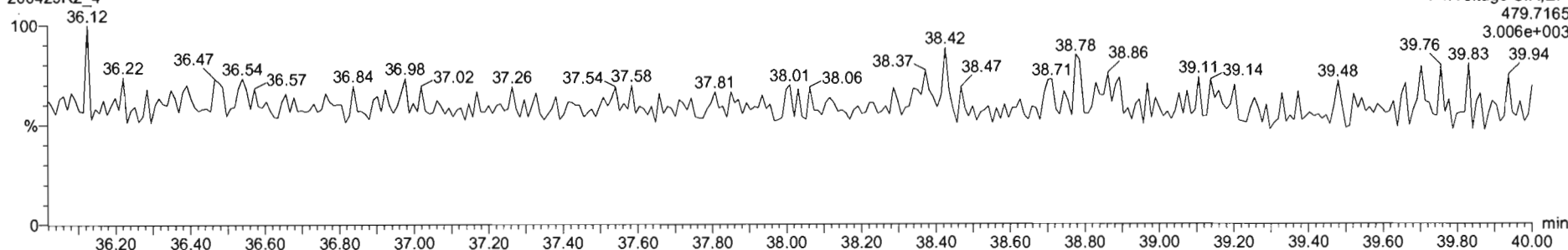


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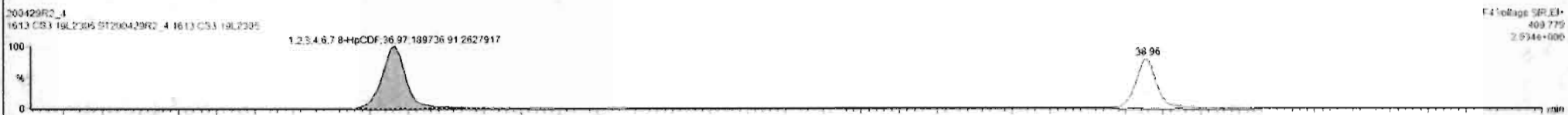


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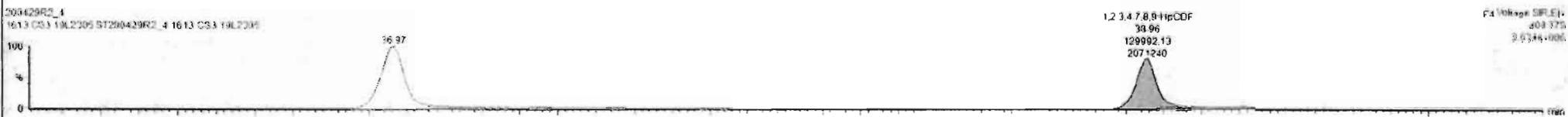
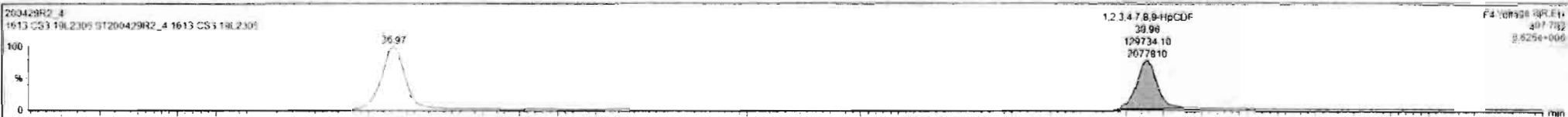
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#	s	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4820e6	10.000	0.8	5.25	0.947	0.0507
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4160e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8907e5	1.6796e6	50.000	-0.9	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.88	1.238	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	36.36	0.988	NO	3.0769e5	6.7896e5	50.000	1.0	6.90	0.856	0.0622
7	7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.8	7.57	0.933	0.0767
8	8	1,2,3,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4565e5	1.6562e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.558	NO	8.7458e5	1.6179e6	50.000	-0.4	4.98	0.966	0.0461
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	13	1,2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4191e5	1.1799e6	50.000	3.3	7.69	0.922	0.0709
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.87	0.862	NO	3.7234e5	6.6465e5	50.000	-1.2	7.54	0.871	0.0657
16	16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5673e5	5.1182e5	50.000	0.3	6.62	1.01	0.0670
17	17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e5	10.000	0.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0562
5	1,2,3,7,8,9-HxCDD	34.68	1.213	NO	4.1946e5	9.381e5	50.000	-1.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	0.988	NO	3.0765e5	6.7896e5	50.000	1.0	8.93	0.896	0.0622
7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,2,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.6581e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.968	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2E11e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1999e6	50.000	3.2	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7274e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.7639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575



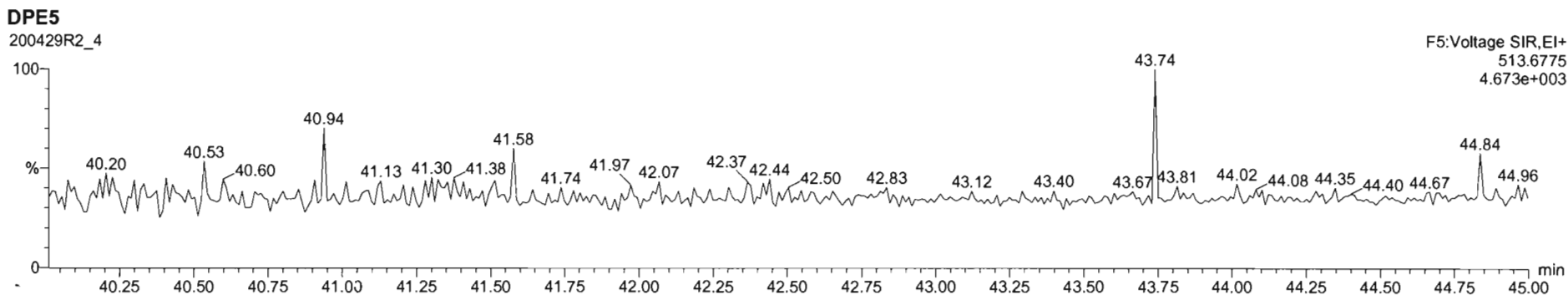
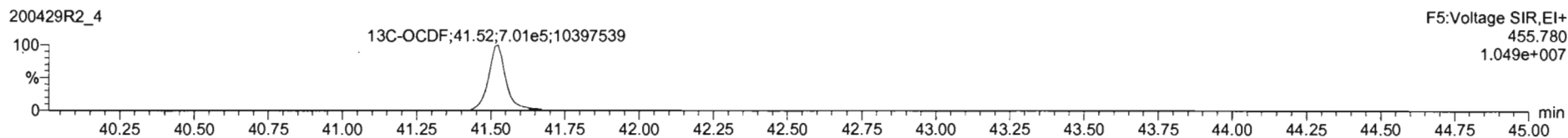
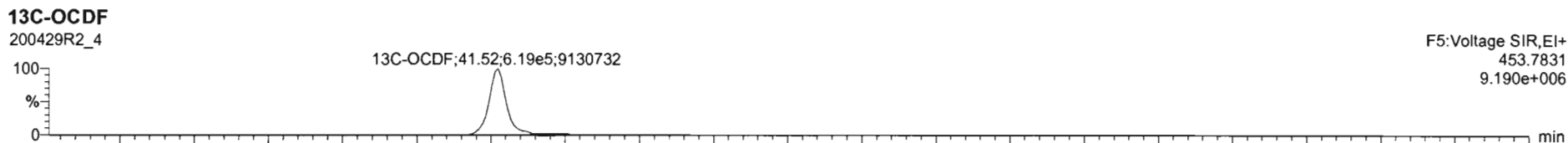
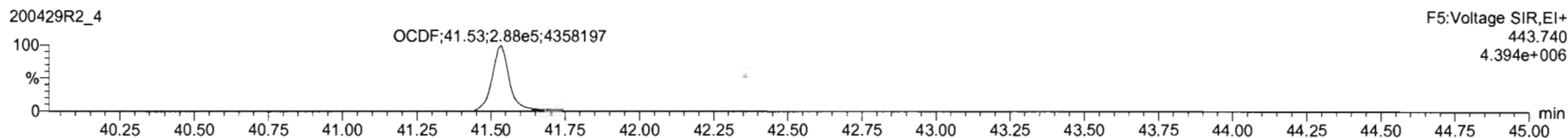
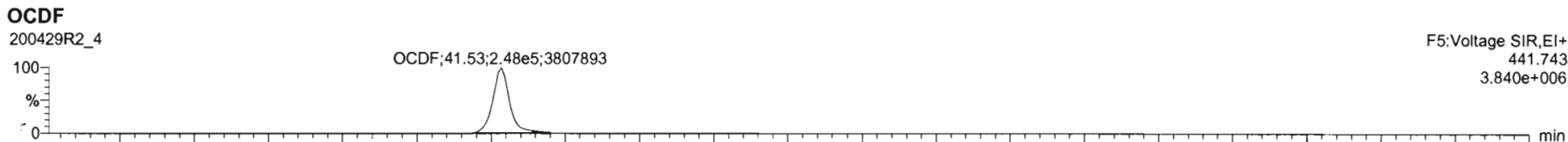
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200429R2_4 CAP NUM

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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

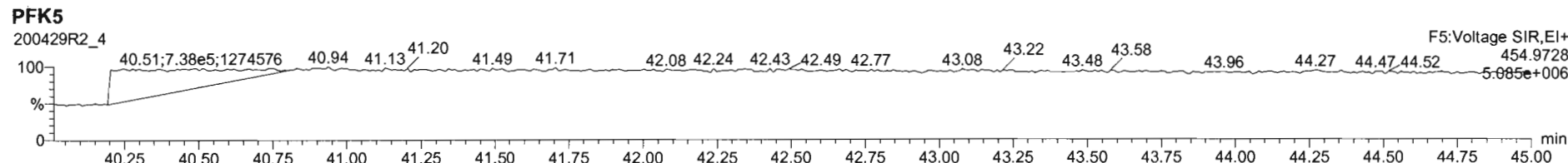
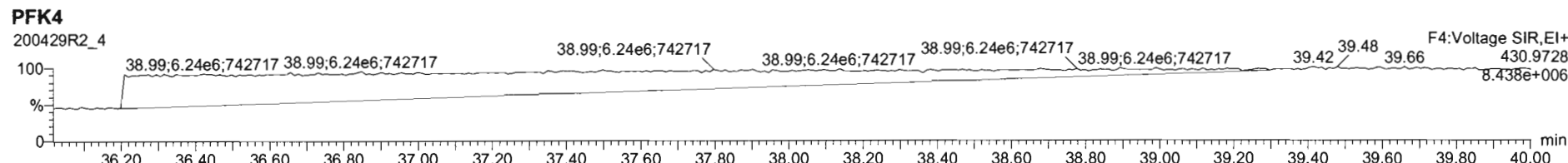
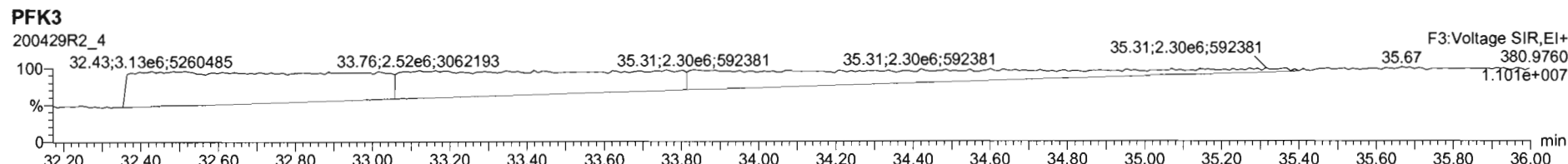
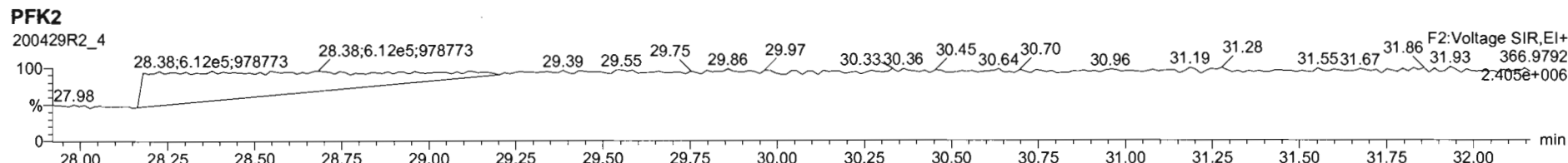
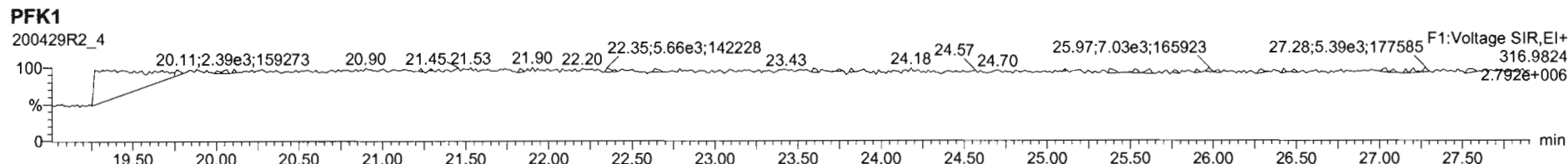
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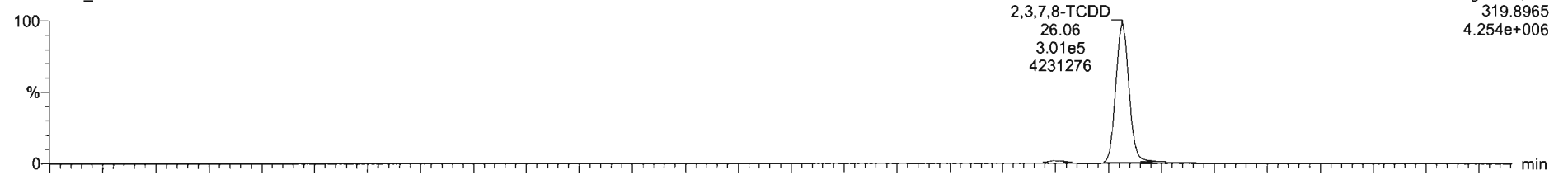
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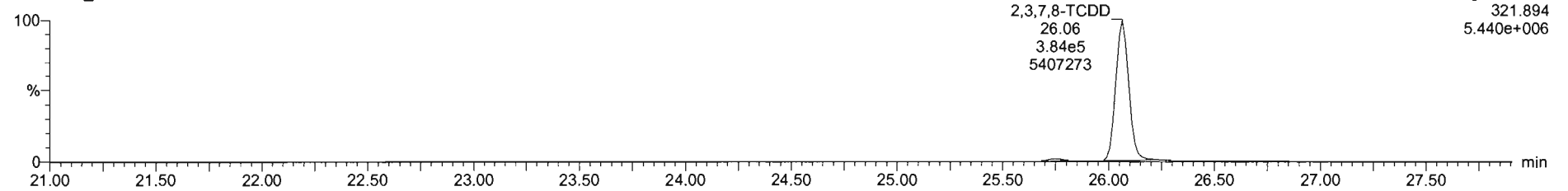
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2,3,7,8-TCDD

200429R2_5

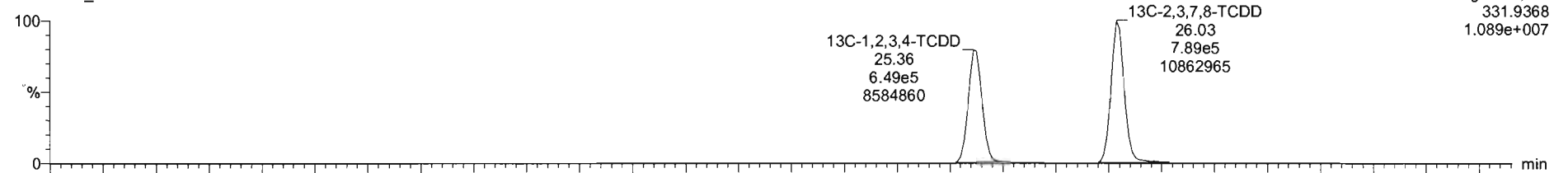


200429R2_5

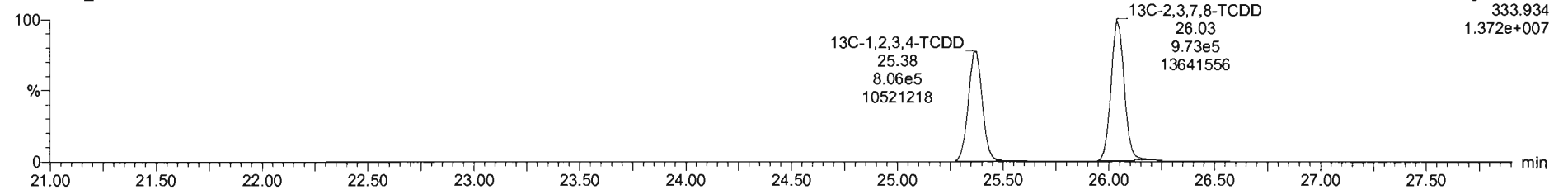


13C-2,3,7,8-TCDD

200429R2_5



200429R2_5



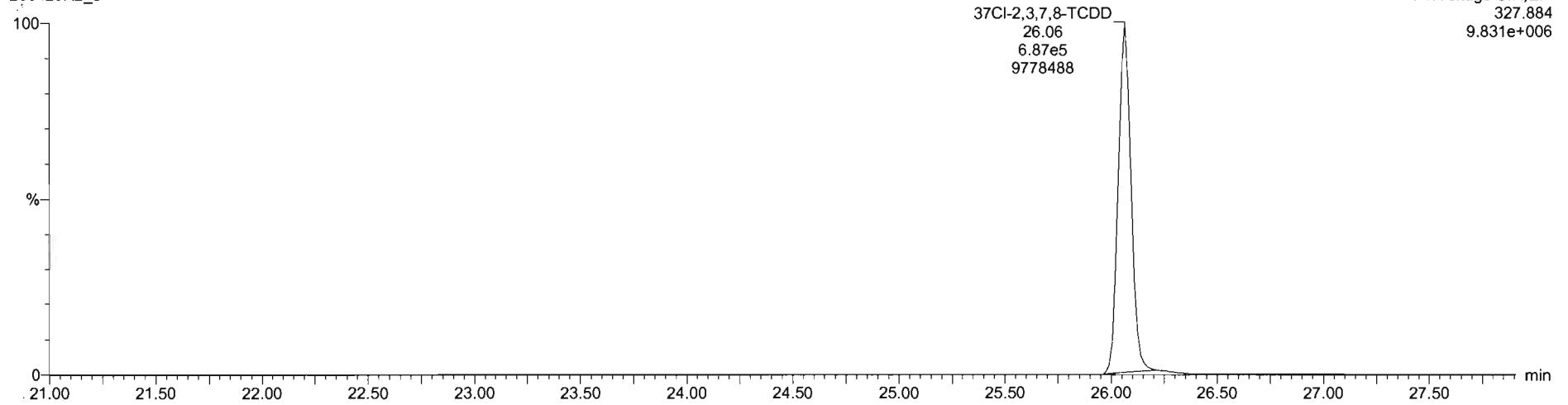
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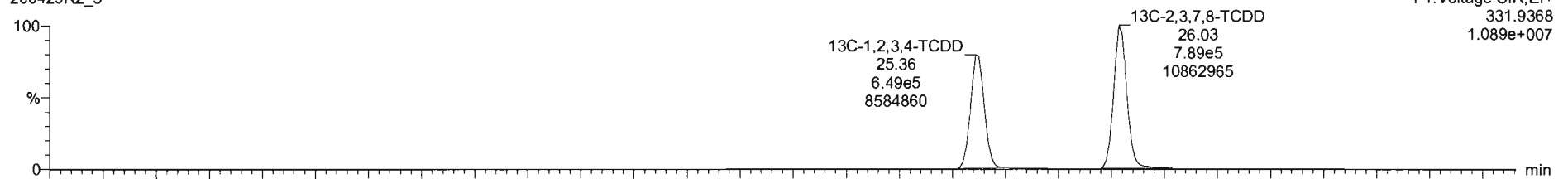
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200429R2_5

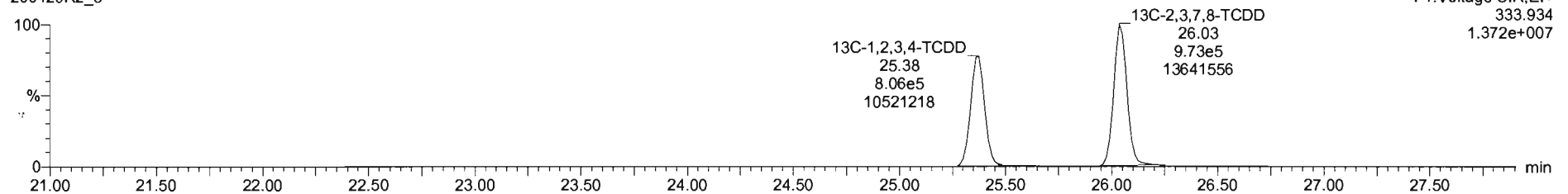


13C-1,2,3,4-TCDD

200429R2_5



200429R2_5



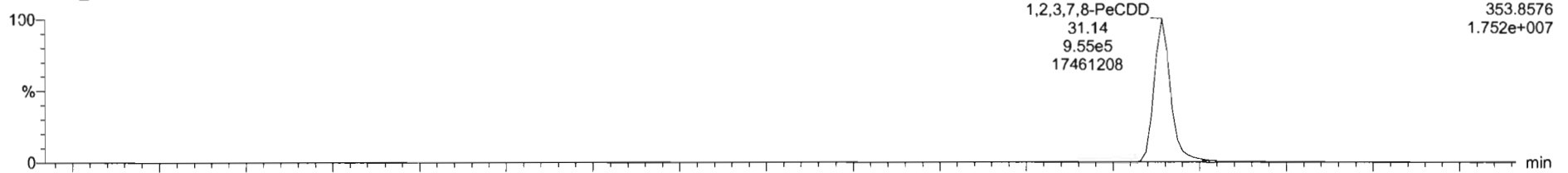
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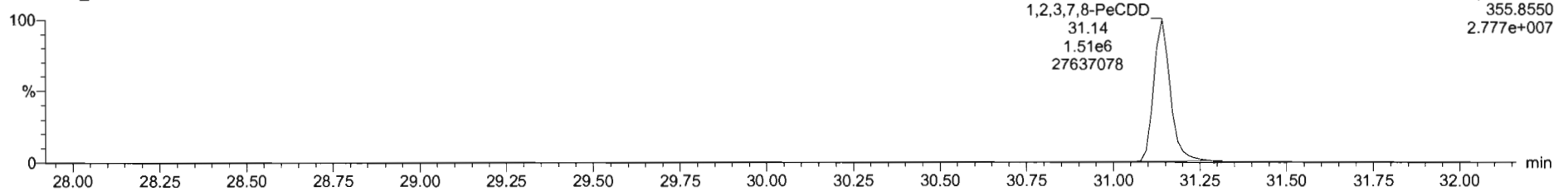
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1,2,3,7,8-PeCDD

200429R2_5

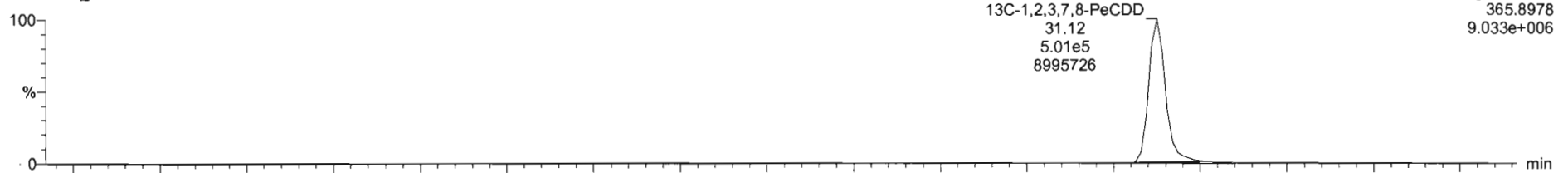


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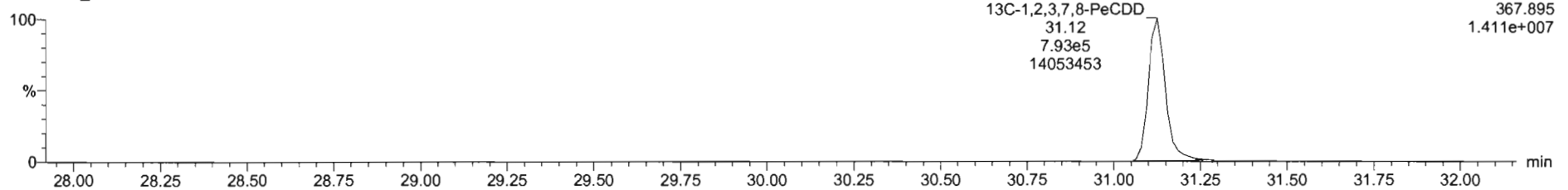


¹³C-1,2,3,7,8-PeCDD

200429R2_5



200429R2_5



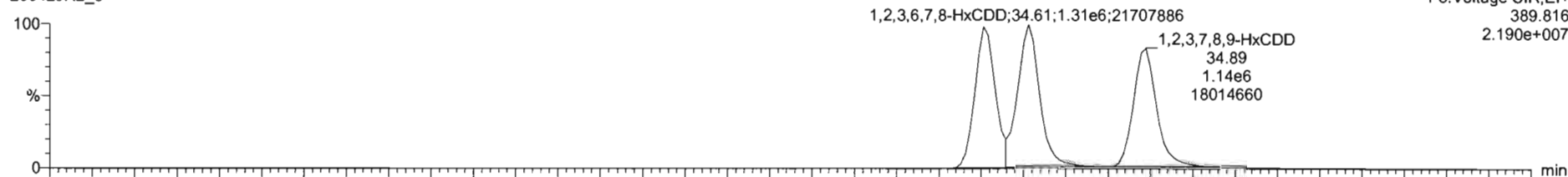
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Name: 200429R2_5, Date: 29-Apr-2020, Time: 16:35:58, ID: ST200429R2_5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

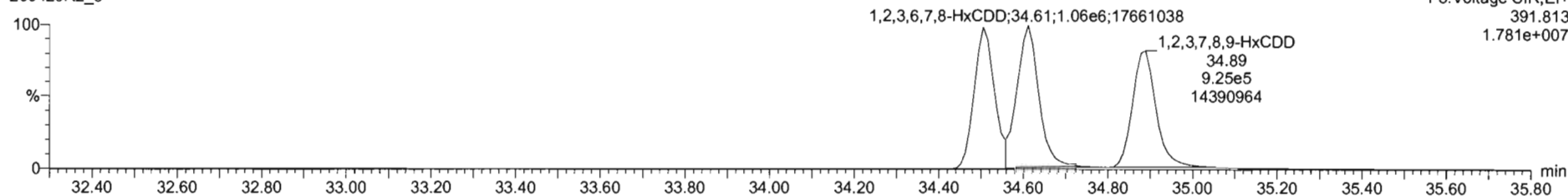
1,2,3,4,7,8-HxCDD

200429R2_5



F3: Voltage SIR, EI+
389.816
2.190e+007

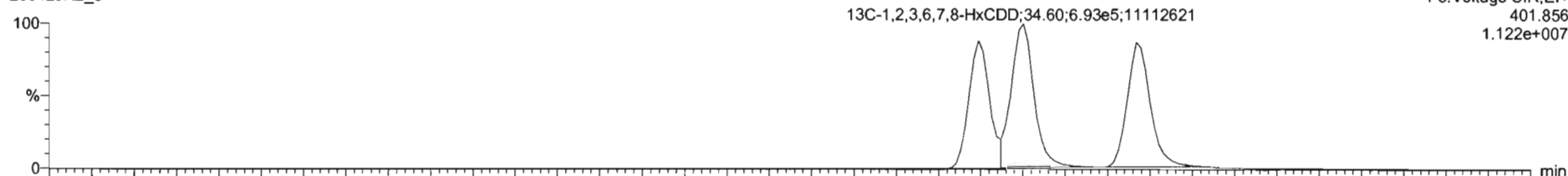
200429R2_5



F3: Voltage SIR, EI+
391.813
1.781e+007

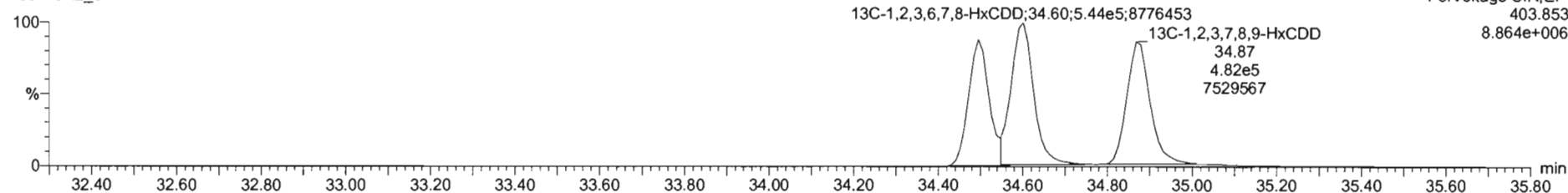
13C-1,2,3,4,7,8-HxCDD

200429R2_5



F3: Voltage SIR, EI+
401.856
1.122e+007

200429R2_5



F3: Voltage SIR, EI+
403.853
8.864e+006

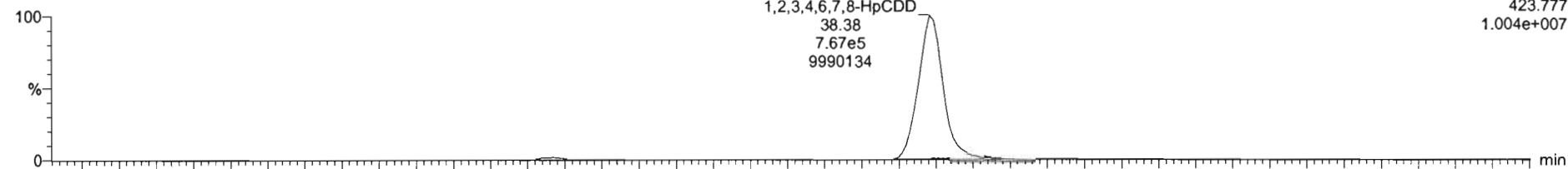
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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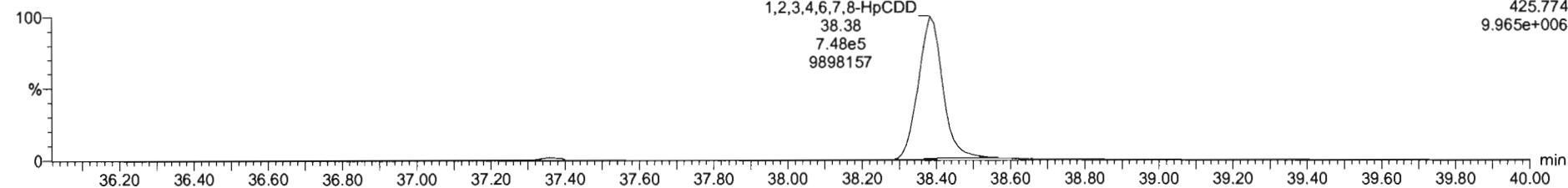
1,2,3,4,6,7,8-HpCDD

200429R2_5



F4:Voltage SIR,EI+
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1.004e+007

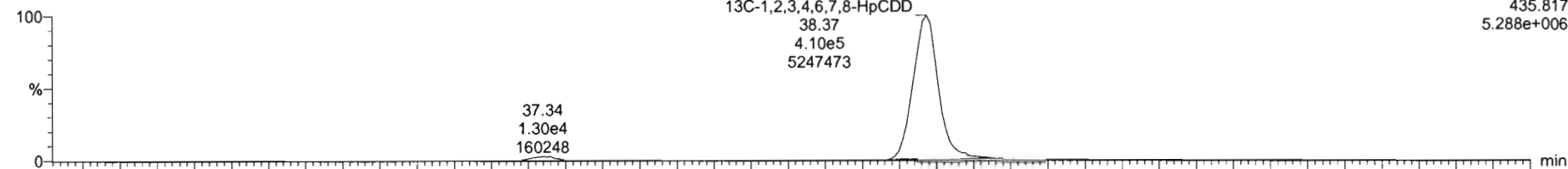
200429R2_5



F4:Voltage SIR,EI+
425.774
9.965e+006

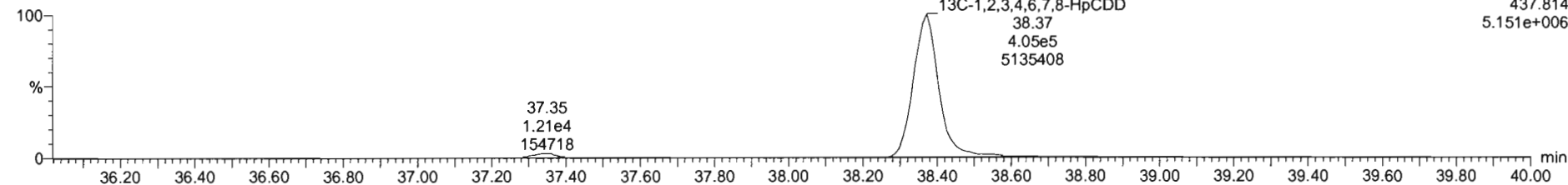
13C-1,2,3,4,6,7,8-HpCDD

200429R2_5

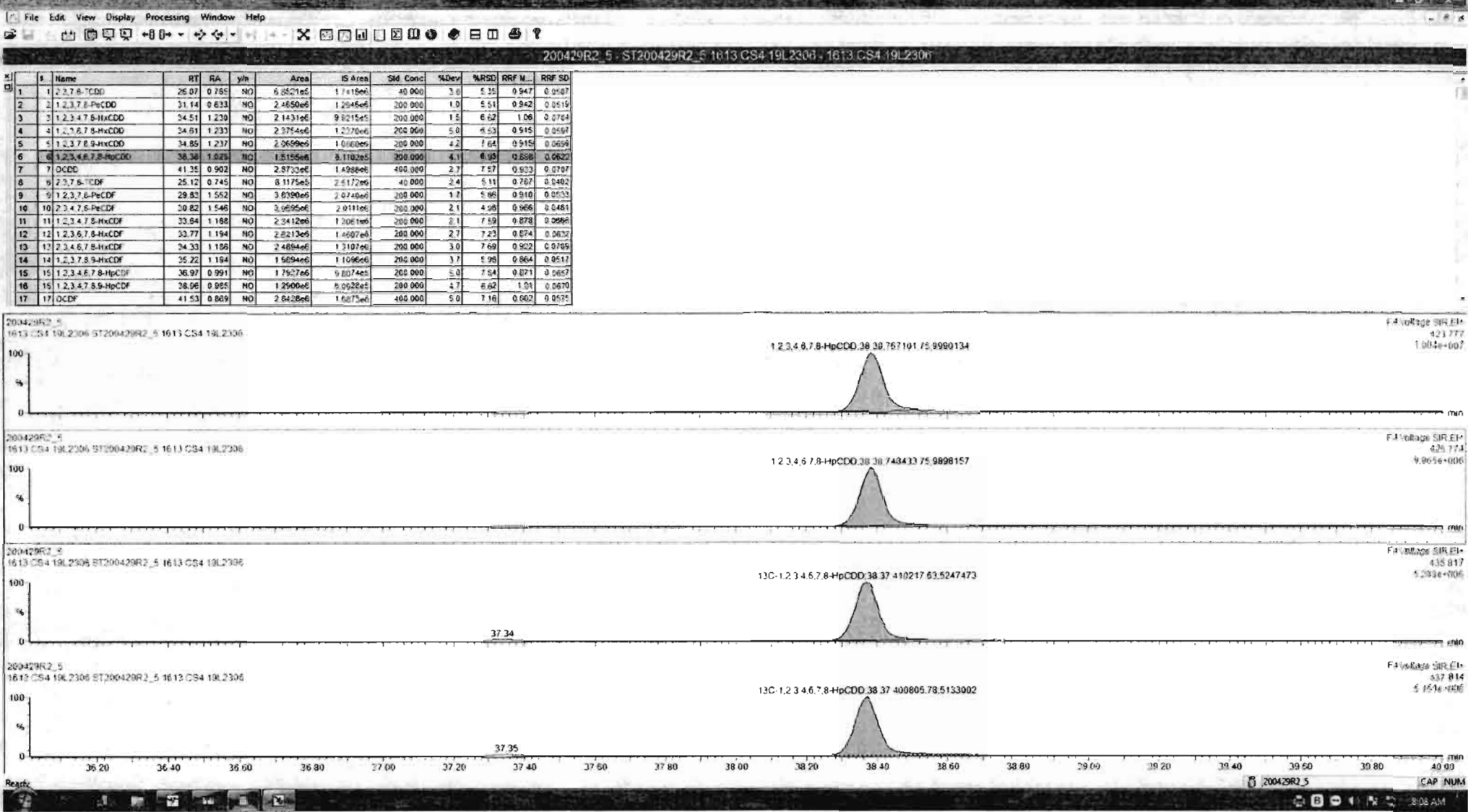


F4:Voltage SIR,EI+
435.817
5.288e+006

200429R2_5



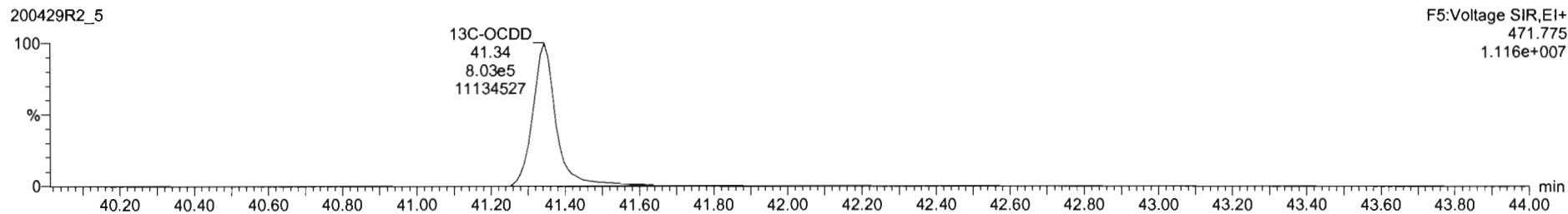
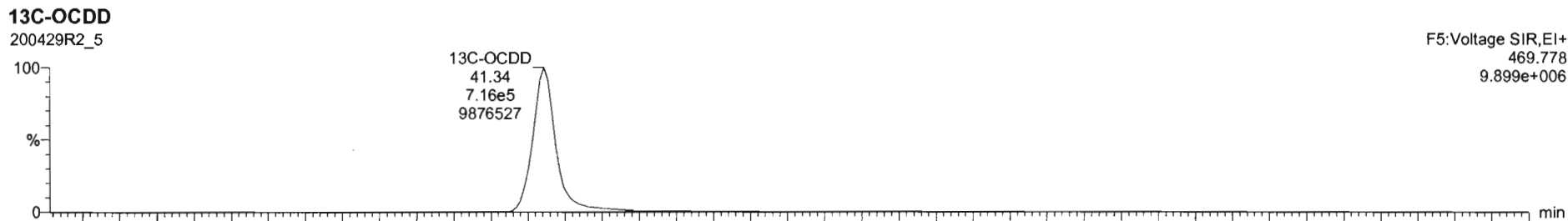
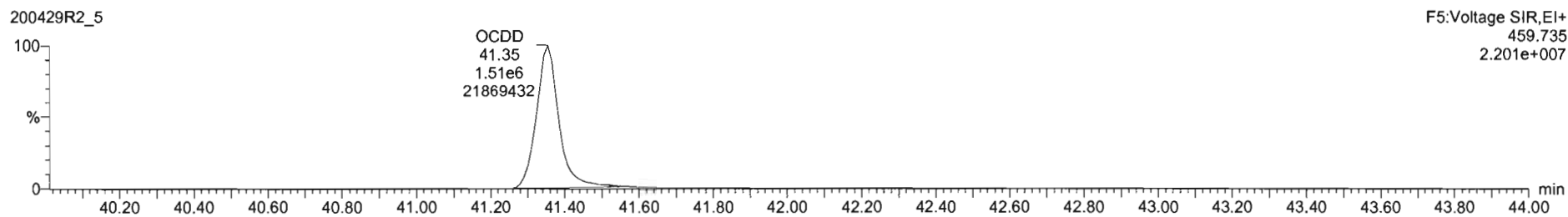
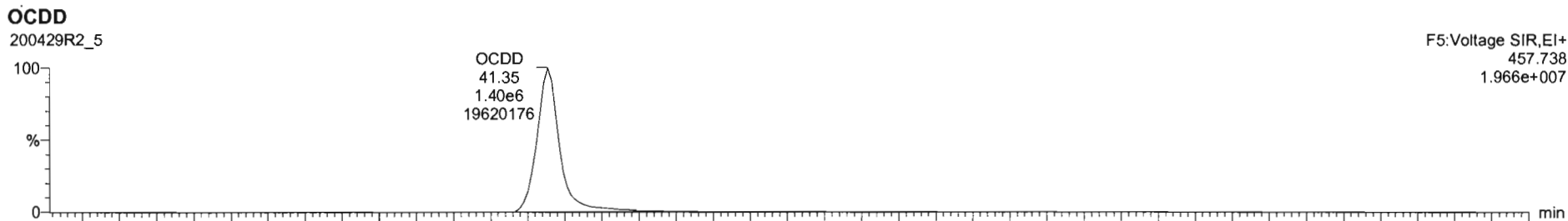
F4:Voltage SIR,EI+
437.814
5.151e+006



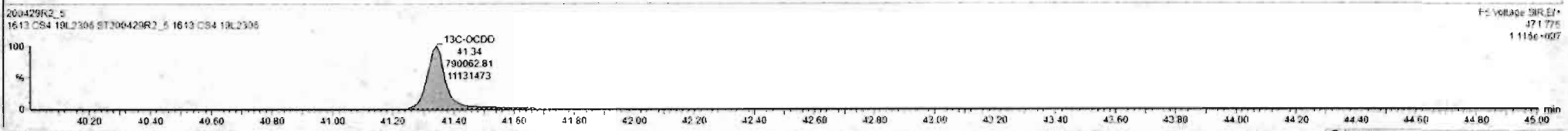
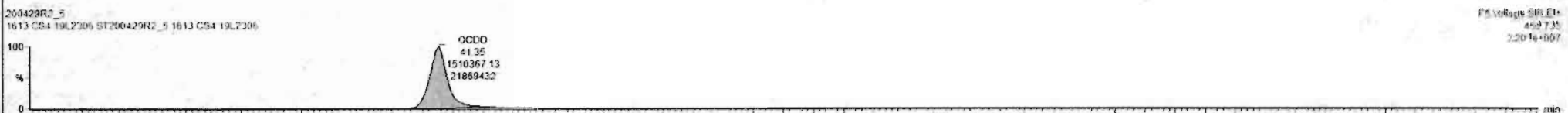
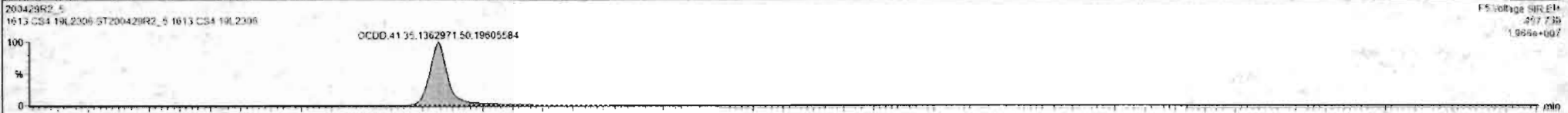
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Name: 200429R2_5, Date: 29-Apr-2020, Time: 16:35:58, ID: ST200429R2_5 1613 CS4 19L2306, Description: 1613 CS4 19L2306



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	2,3,7,8-TCDD	28.07	0.785	NO	6.6521e5	1.7418e6	40.000	2.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e5	1.2946e6	200.000	1.0	5.91	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.9215e6	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.81	1.233	NO	2.3754e6	1.2270e6	200.000	5.0	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.89	1.237	NO	2.0659e5	1.0860e6	200.000	4.2	7.64	0.915	0.0656
6	1,2,3,4,6,7,8-HpCDD	36.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	6.92	0.856	0.0520
7	OCDD	41.35	0.962	ND	2.8733e6	1.4889e6	400.000	2.7	7.57	0.933	0.0767
8	2,3,7,8-TCDF	25.12	0.745	NO	8.1175e5	2.5172e6	40.000	2.4	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.546	NO	3.9655e6	2.0111e6	200.000	2.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.158	NO	2.3412e6	1.3061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.186	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	1.9654e6	1.1056e6	200.000	3.7	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7927e6	9.8074e5	200.000	5.0	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.965	NO	1.2500e6	6.9528e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6673e6	400.000	5.0	7.16	0.802	0.0575



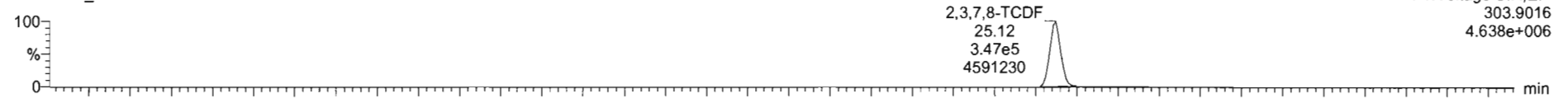
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

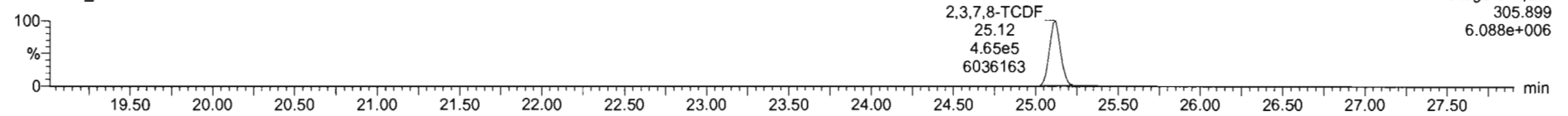
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2,3,7,8-TCDF

200429R2_5

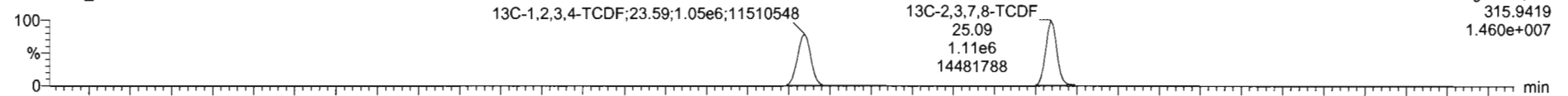


200429R2_5

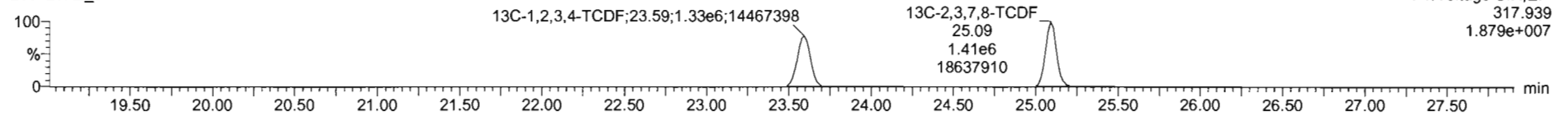


13C-2,3,7,8-TCDF

200429R2_5

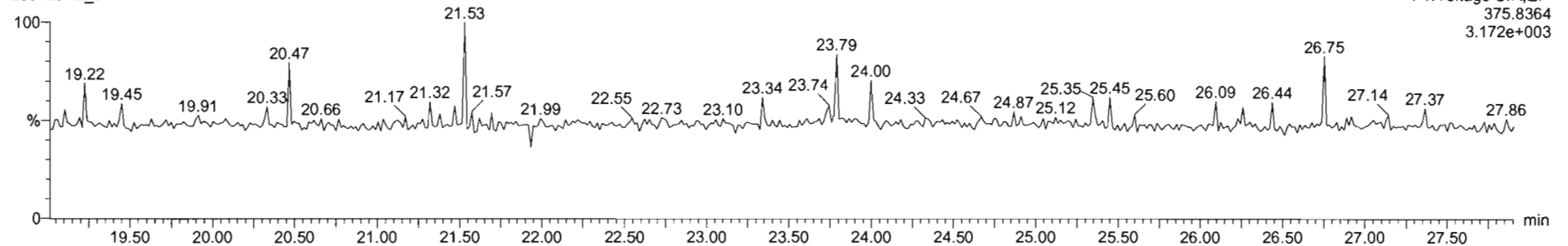


200429R2_5



DPE1

200429R2_5



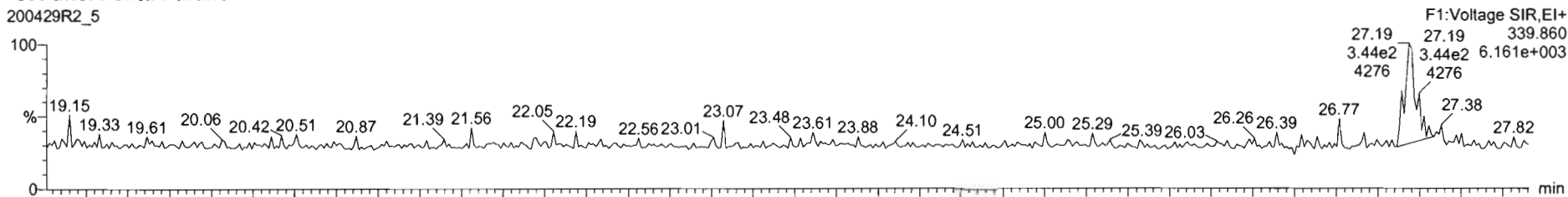
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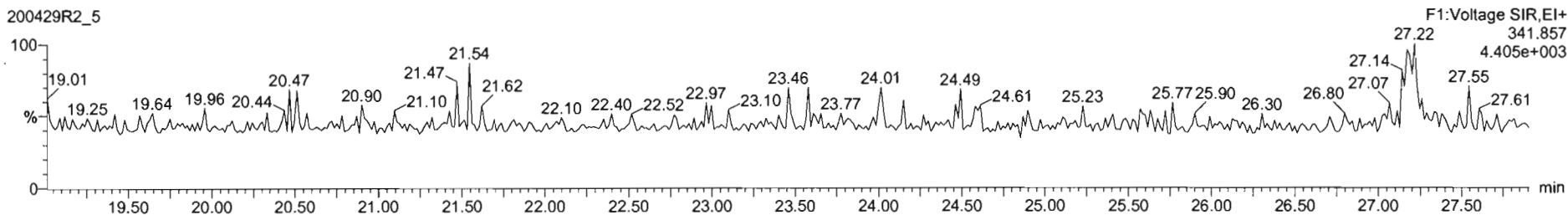
Name: 200429R2_5, Date: 29-Apr-2020, Time: 16:35:58, ID: ST200429R2_5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

1st Func. Penta-Furans

200429R2_5

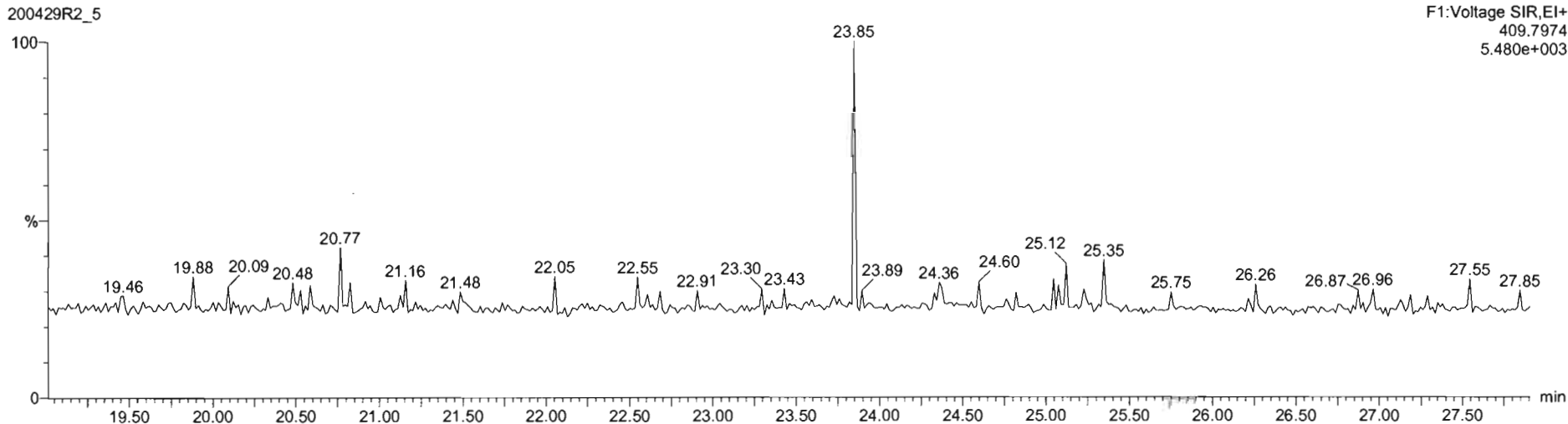


200429R2_5



DPE6

200429R2_5



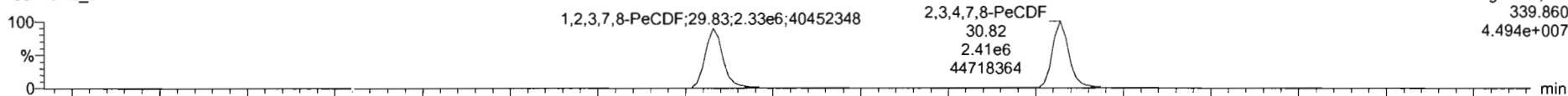
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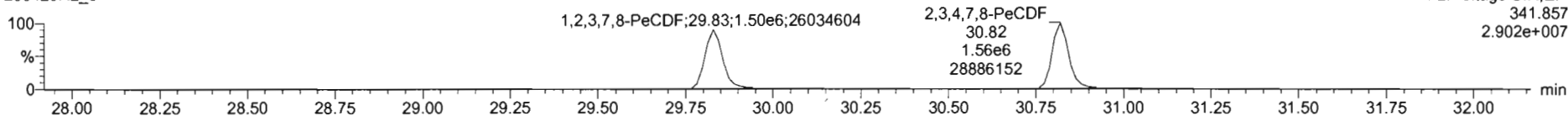
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1,2,3,7,8-PeCDF

200429R2_5

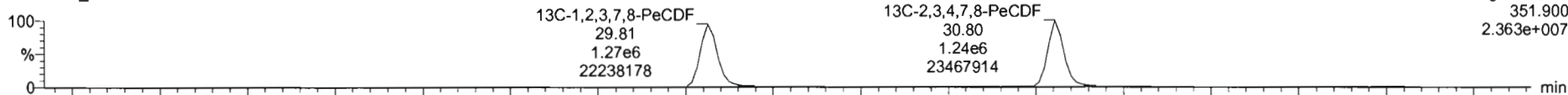


200429R2_5

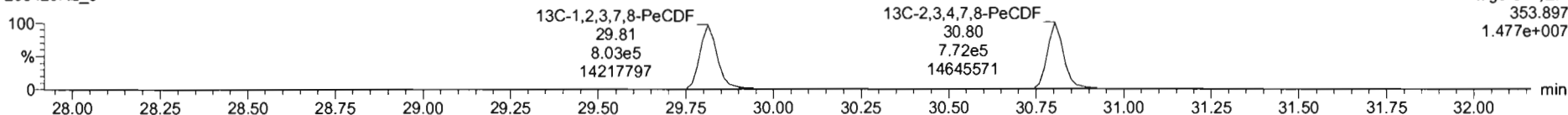


13C-1,2,3,7,8-PeCDF

200429R2_5

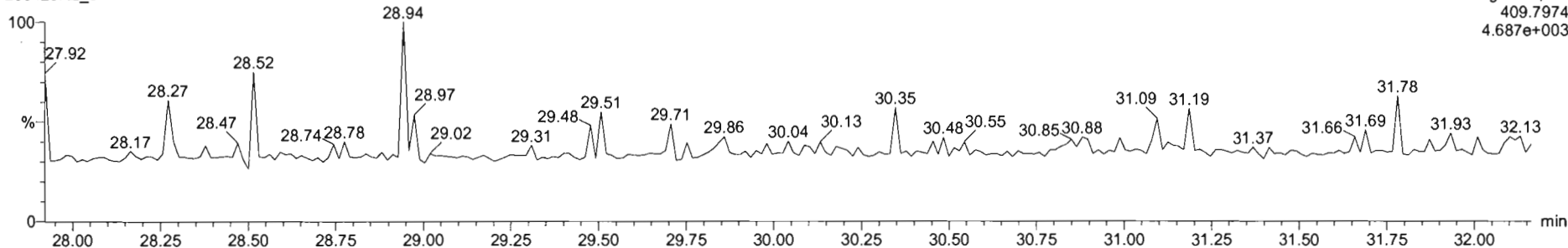


200429R2_5



DPE2

200429R2_5



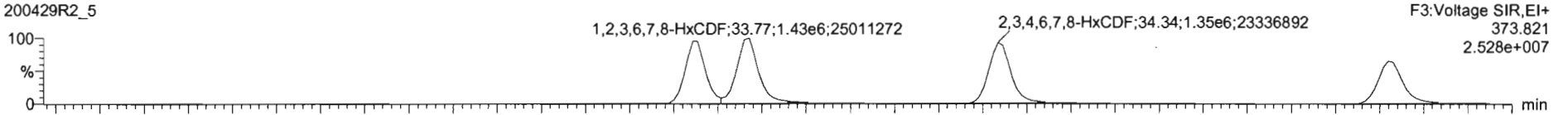
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

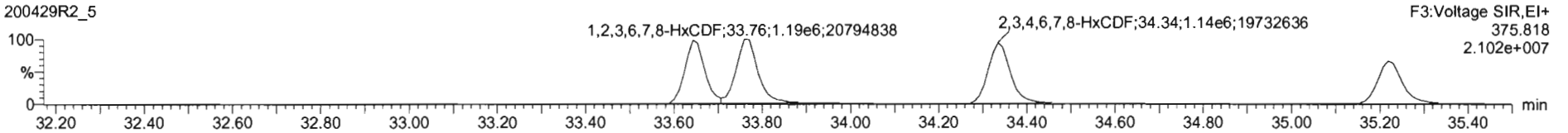
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1,2,3,4,7,8-HxCDF

200429R2_5

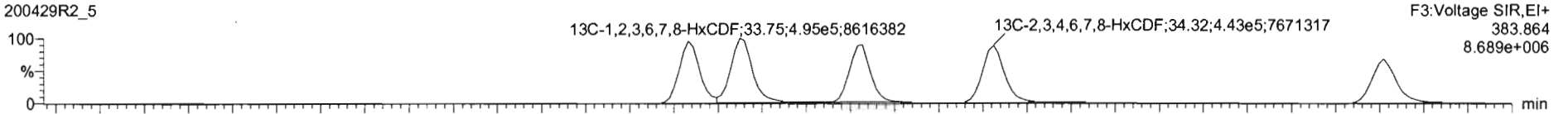


200429R2_5

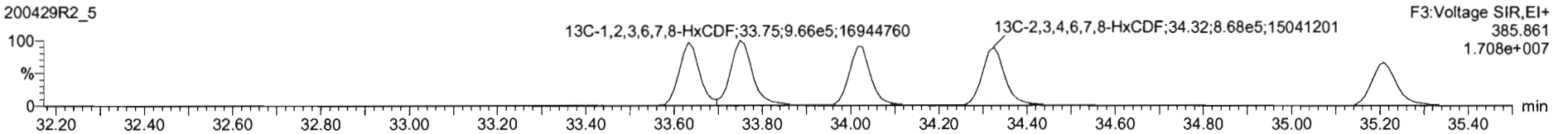


13C-1,2,3,4,7,8-HxCDF

200429R2_5

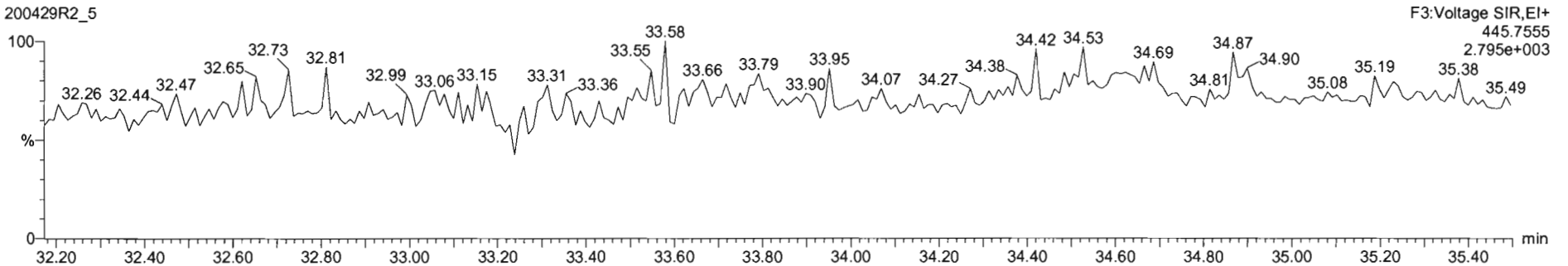


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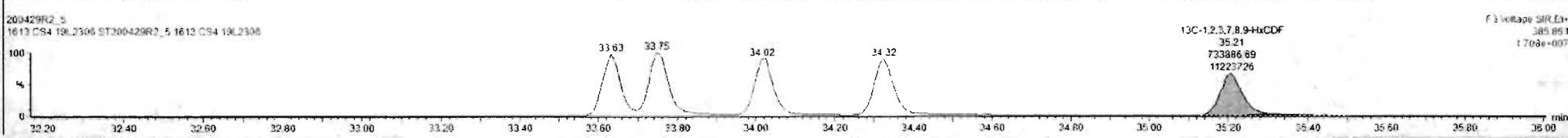
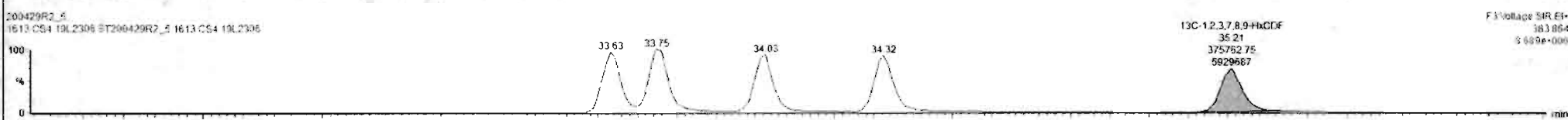
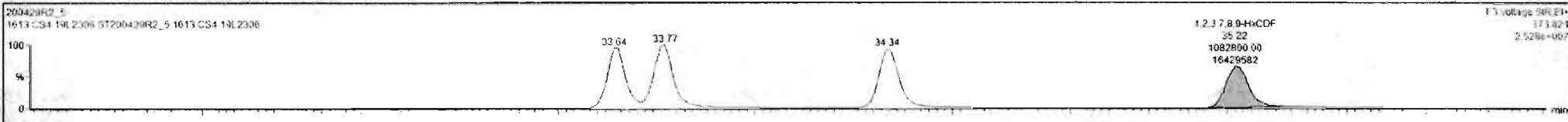


DPE3

200429R2_5



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.97	0.785	NO	6.6521e5	1.7418e6	40.000	2.6	5.25	0.947	0.0597
2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e6	1.2646e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.9215e5	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.61	1.233	NO	2.3754e6	1.2270e6	200.000	5.0	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.69	1.237	NO	2.0699e6	1.0860e6	200.000	4.2	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	8.93	0.896	0.0622
7	OCDD	41.35	0.902	NO	2.8733e6	1.4986e6	400.000	2.7	7.57	0.933	0.0767
8	1,2,3,7,8-TCDF	25.12	0.745	NO	3.1175e5	2.5172e5	40.000	2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0523
10	1,2,3,4,7,8-PeCDF	30.82	1.546	NO	3.9695e6	2.0111e6	200.000	2.1	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.188	NO	2.3412e6	1.2061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.196	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	1.9084e6	1.1096e6	200.000	3.7	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7937e6	9.8074e5	200.000	5.0	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.885	NO	1.2900e6	6.6626e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6675e6	400.000	5.0	7.16	0.802	0.0575



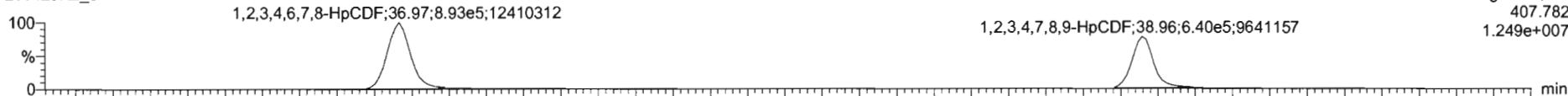
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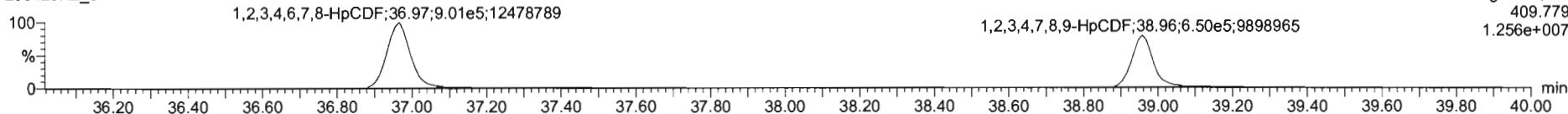
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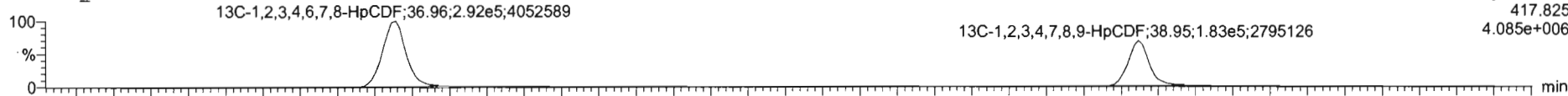


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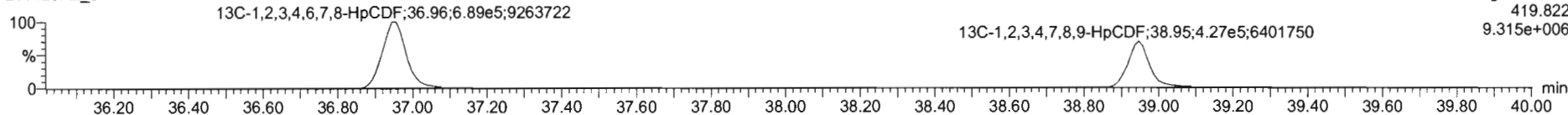


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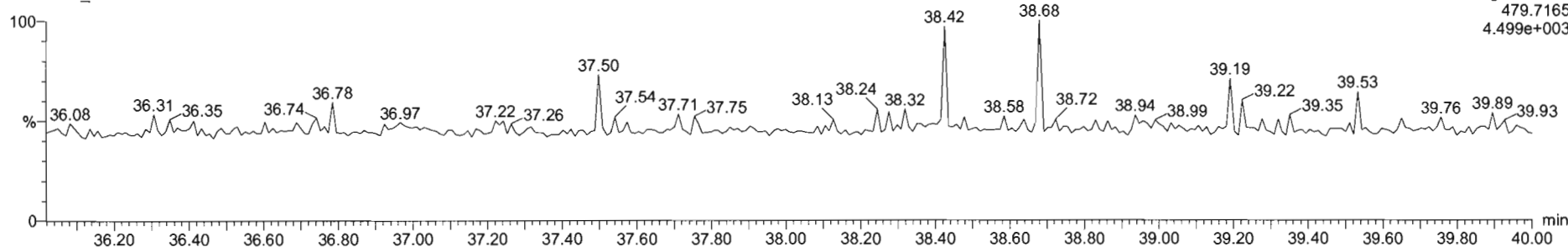


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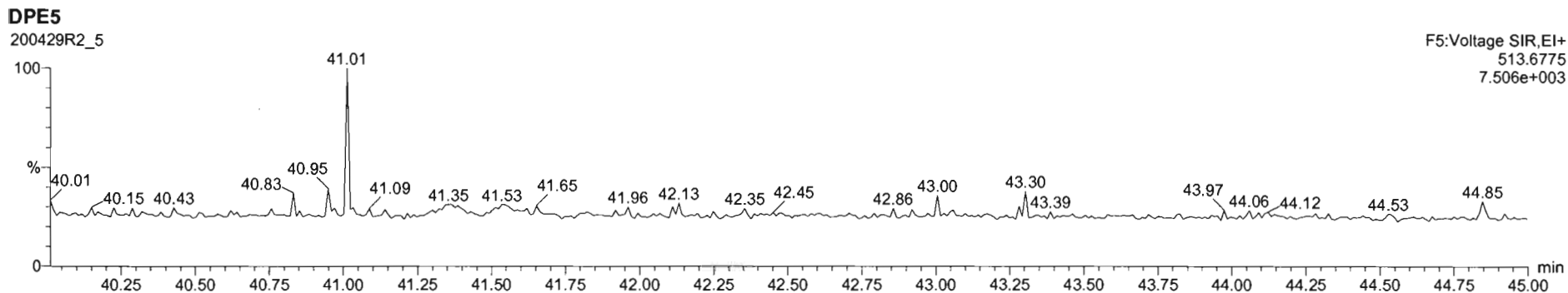
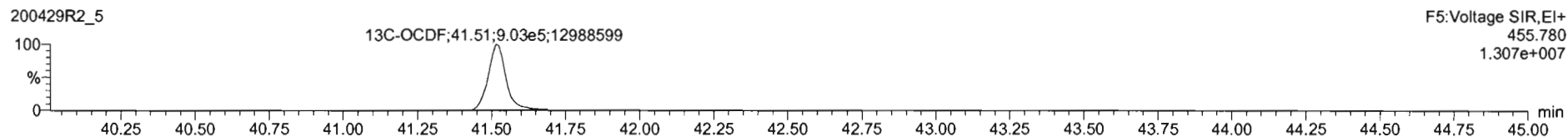
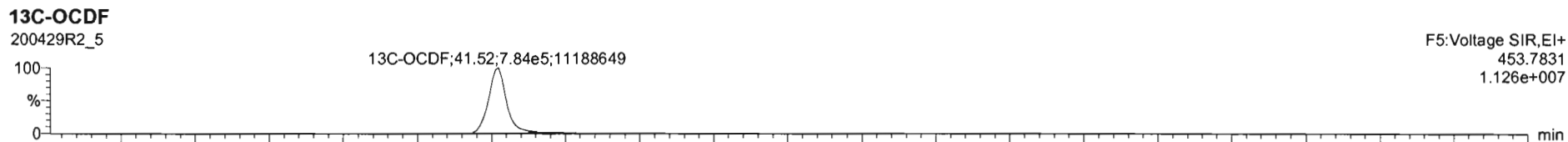
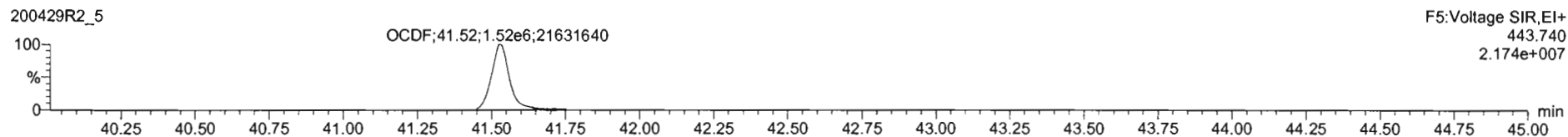
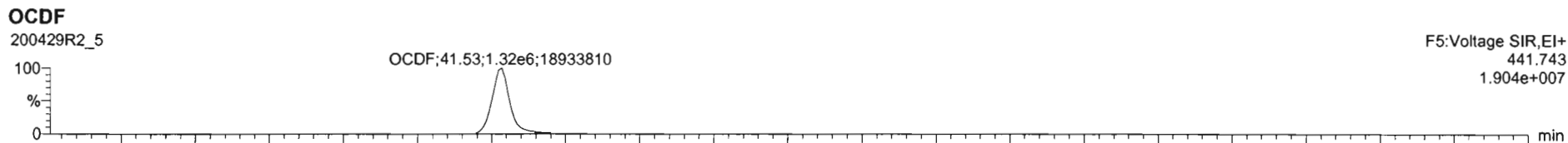
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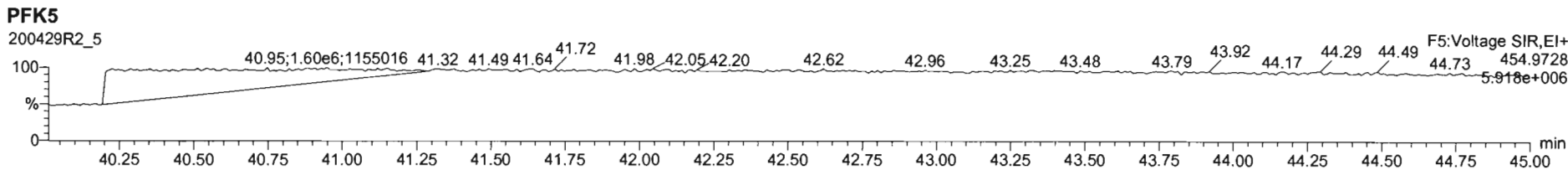
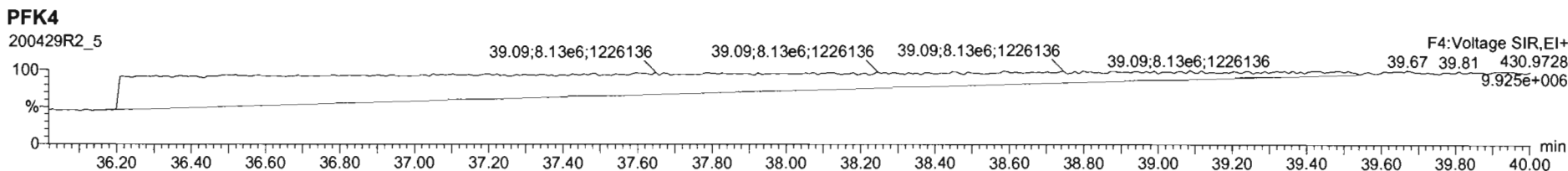
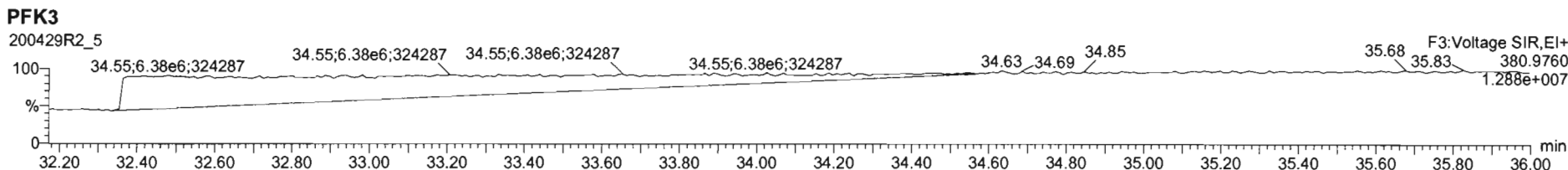
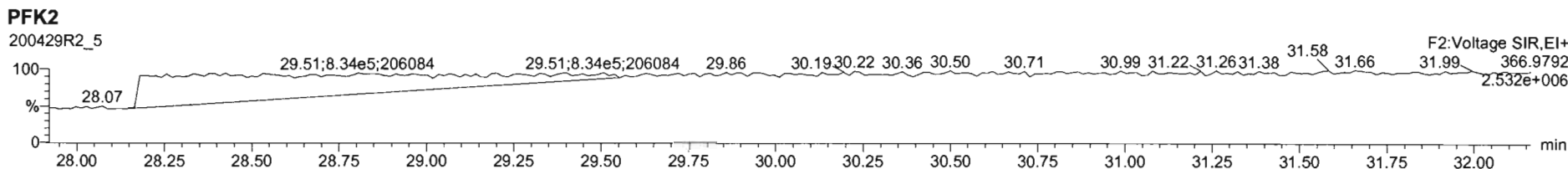
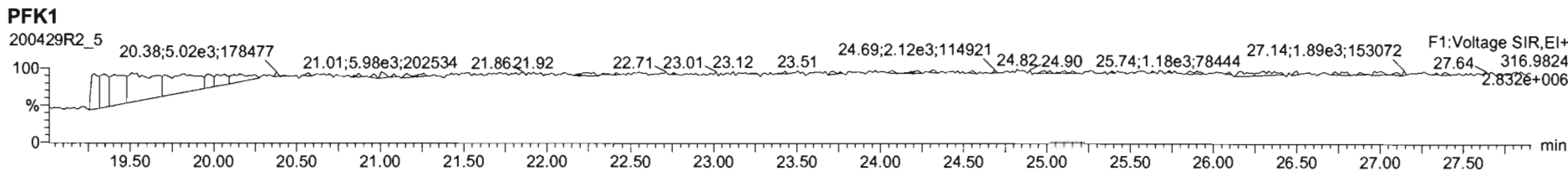
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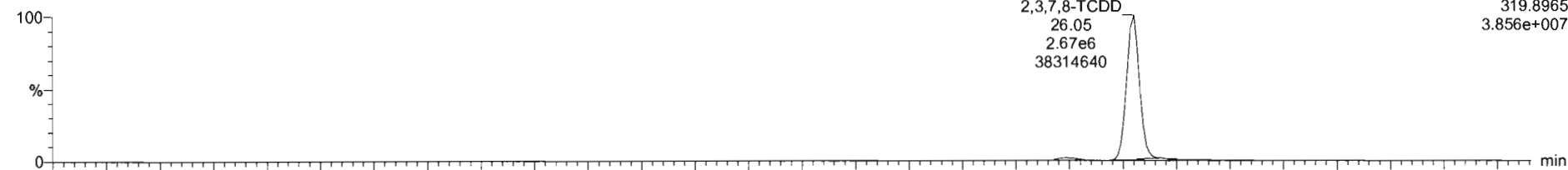
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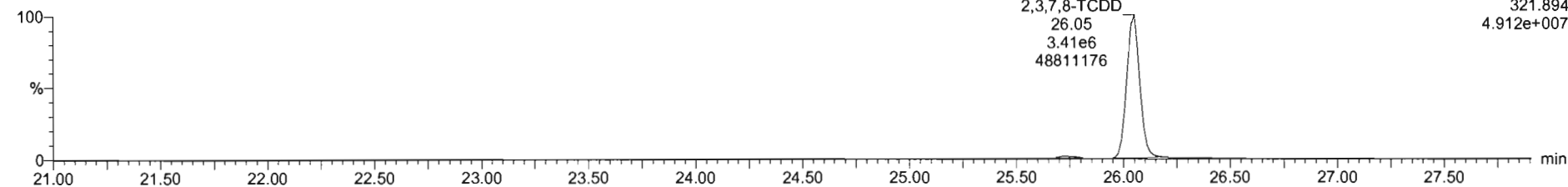
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2,3,7,8-TCDD

200429R2_6

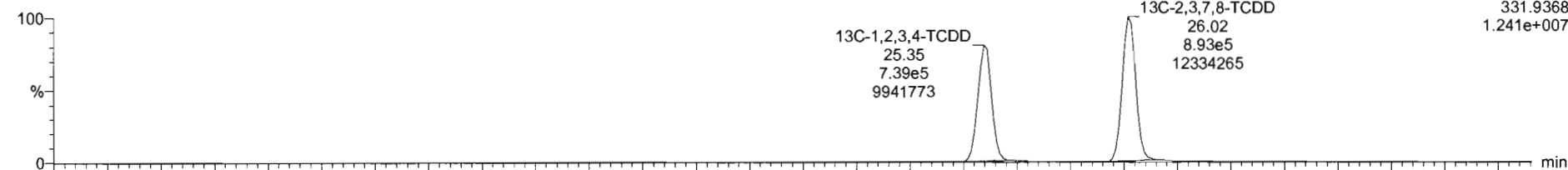


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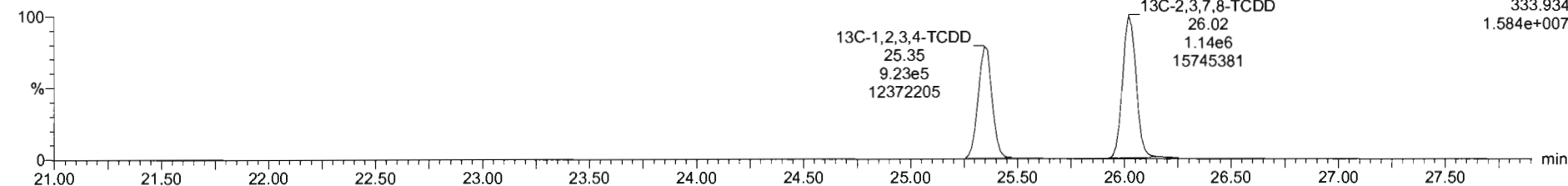


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200429R2_6



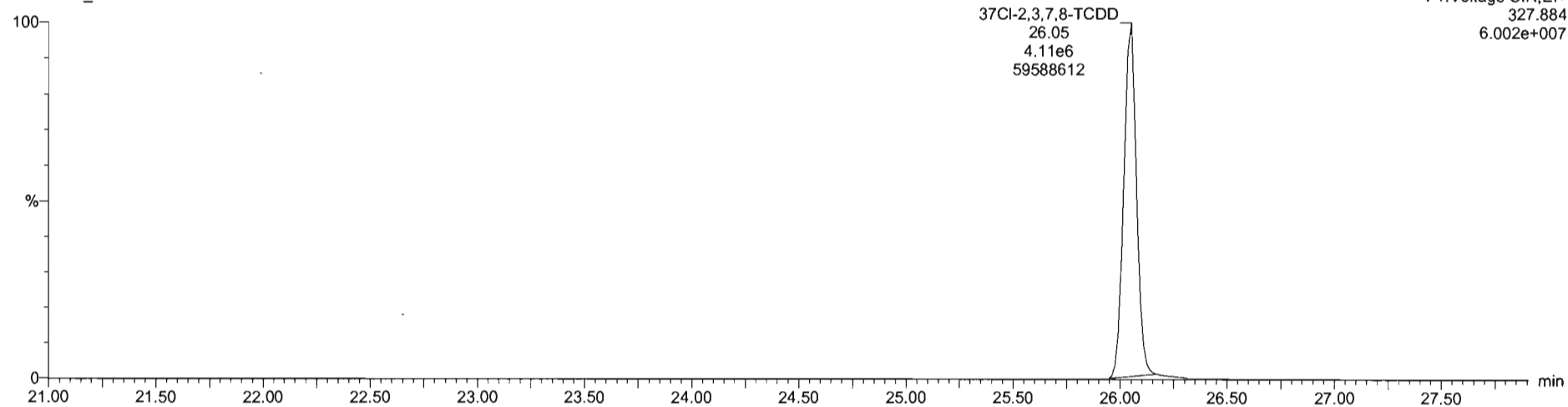
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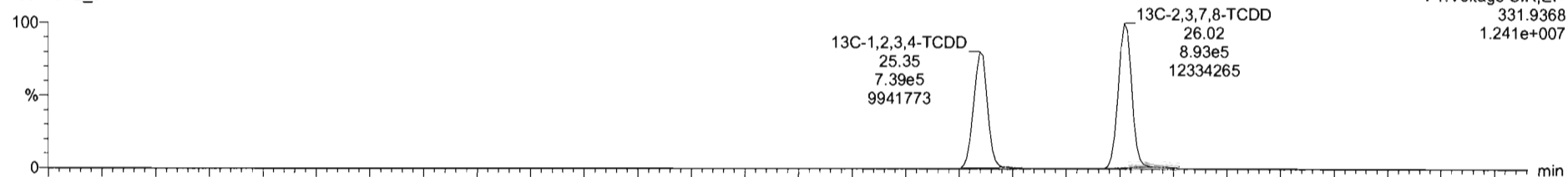
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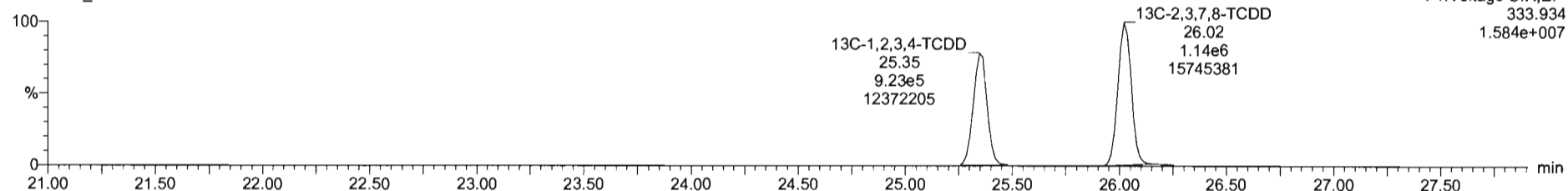


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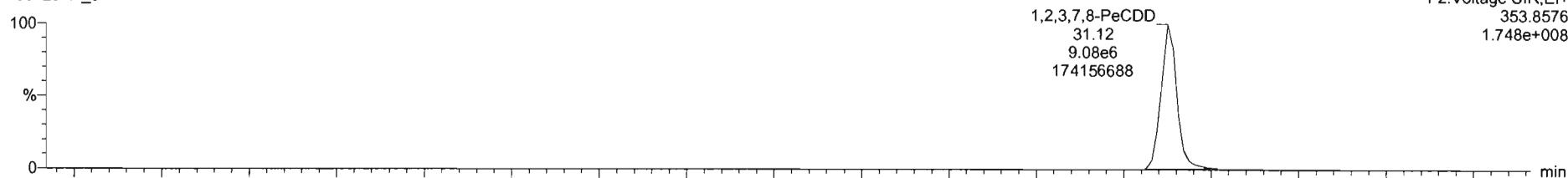
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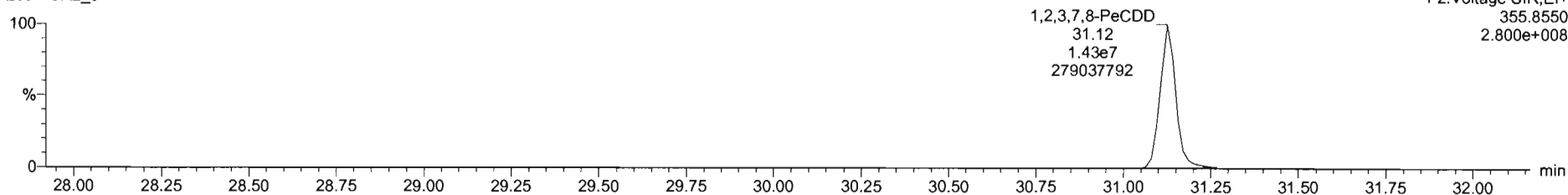
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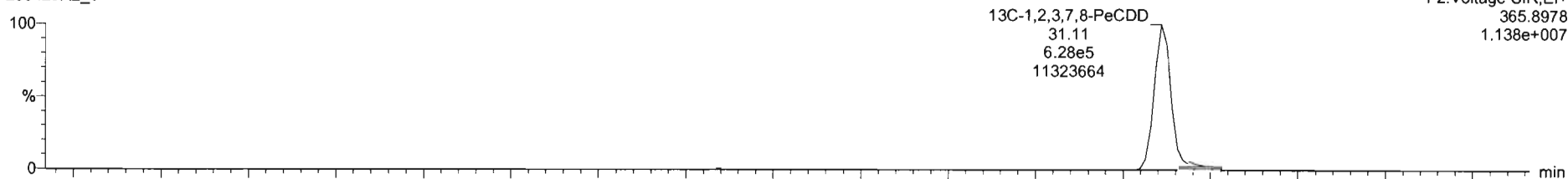


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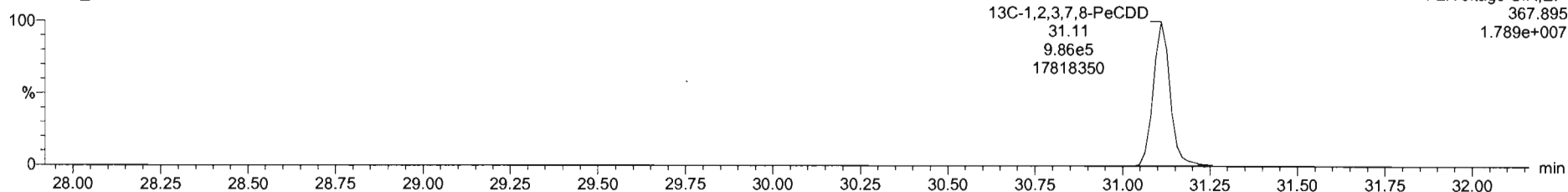


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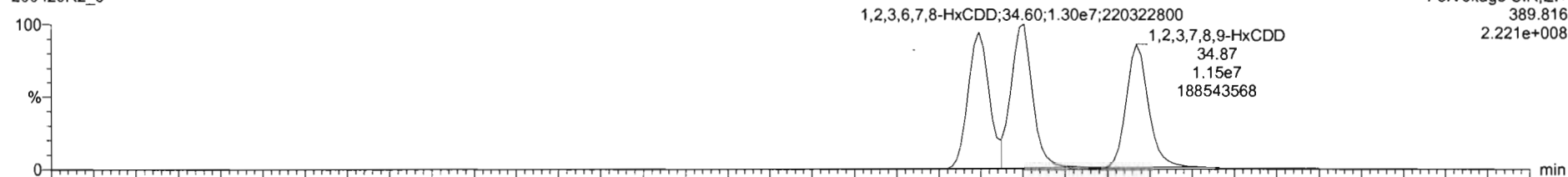
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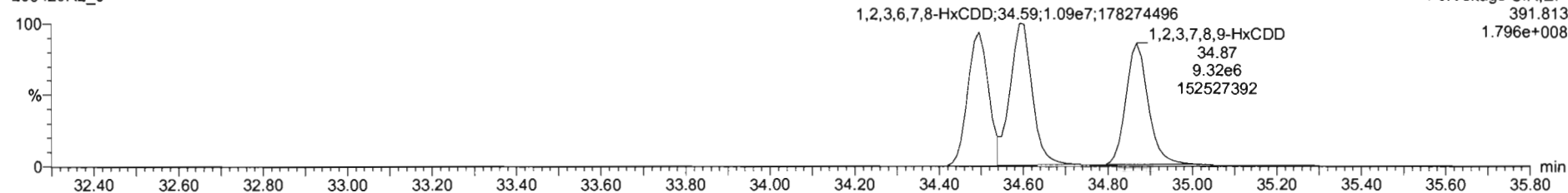
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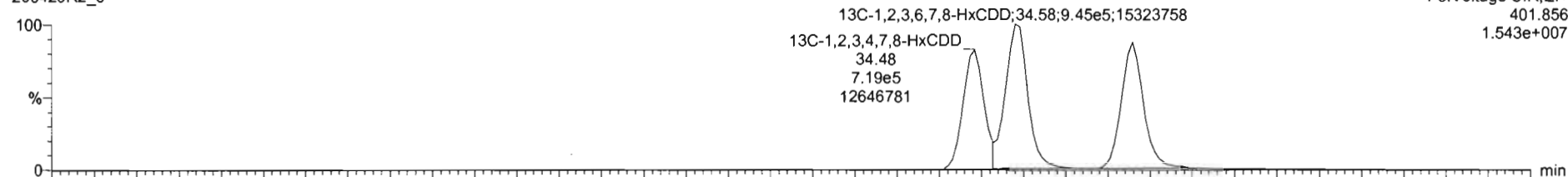


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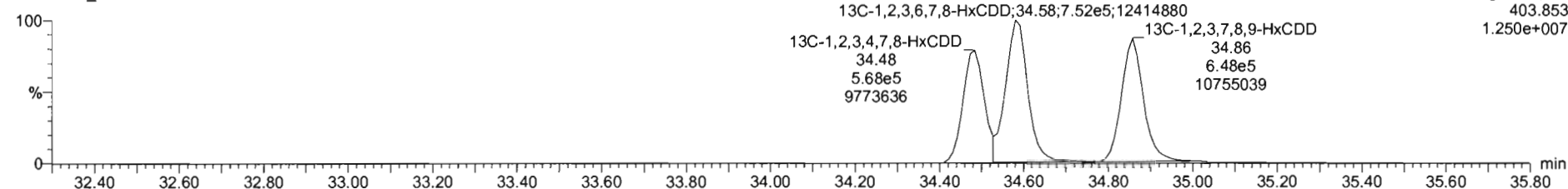


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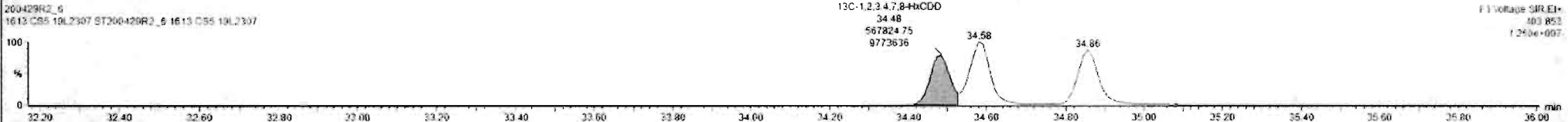
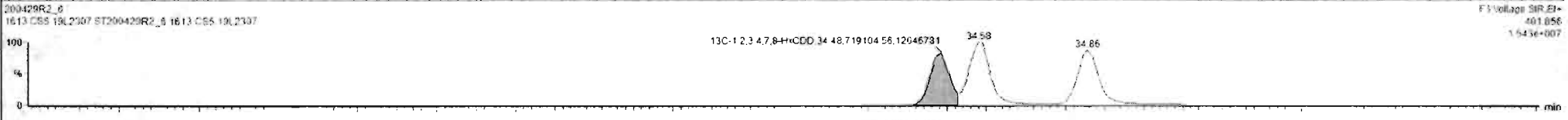
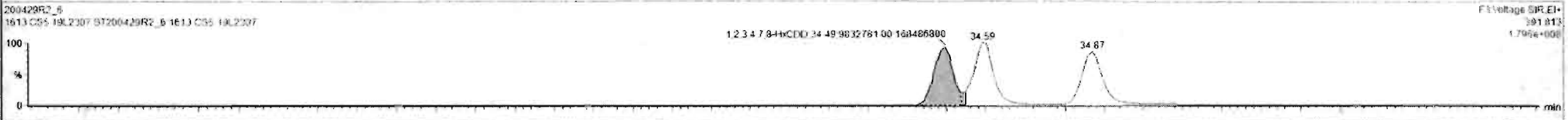
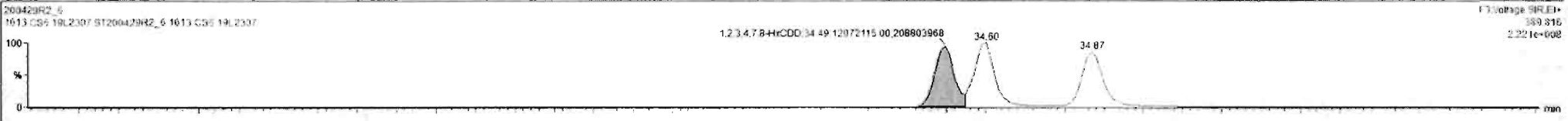
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200429R2_6



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1	1,2,3,7,8-TCDD	26.05	0.784	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.48	1.228	NO	2.1905e7	1.2269e6	1000.000	6.6	6.62	1.08	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.213	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1280e6	1500.000	5.6	8.92	0.956	0.0622
7	OCDD	41.34	0.887	NO	3.3871e7	2.3135e6	2000.000	4.8	7.57	0.633	0.0707
8	2,3,7,8-TCDF	25.05	0.753	NO	7.1946e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.560	NO	3.5628e7	2.5822e6	1500.000	1.5	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.189	NO	2.3482e7	1.7670e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.60	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9813e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.95	0.992	NO	1.8927e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.94	0.991	NO	1.4705e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.667	NO	2.3638e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575

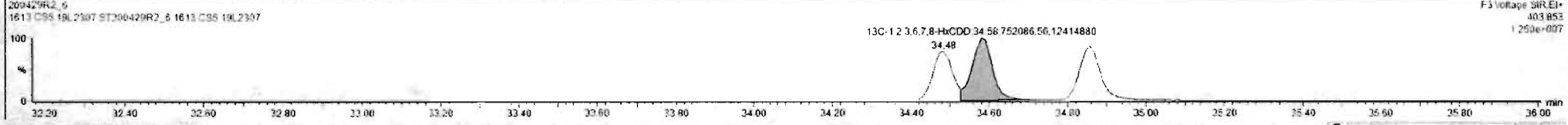
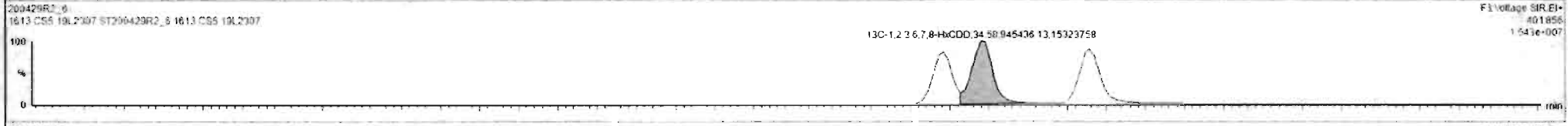
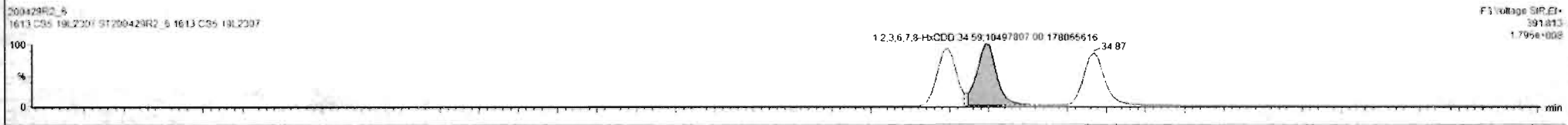


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200429R2_6

CAP NUM

#	Name	RT	RA	yht	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.764	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.9507
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.9519
3	1,2,3,4,7,8-HxCDD	34.49	1.228	NO	2.1905e7	1.2669e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3469e7	1.6075e6	1500.000	0.8	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.67	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1360e6	1500.000	5.6	6.93	0.896	0.0622
7	OCDD	41.34	0.887	NO	3.3271e7	2.3135e6	3000.000	4.8	7.57	0.933	0.0707
8	1,2,7,8-TCDF	25.05	0.753	NO	7.1949e6	2.5106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5938e7	2.5822e6	1500.000	1.5	5.86	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.81	1.542	NO	3.6618e7	3.5077e6	1500.000	0.7	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.63	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	1,2,3,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9613e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.6927e7	1.2725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	36.94	0.993	NO	1.4205e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.887	NO	2.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



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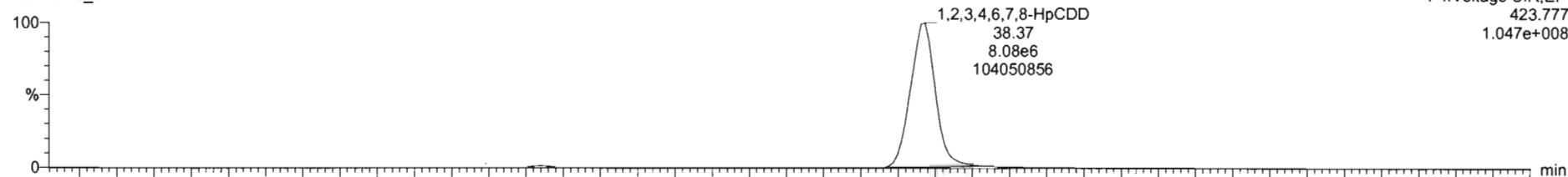
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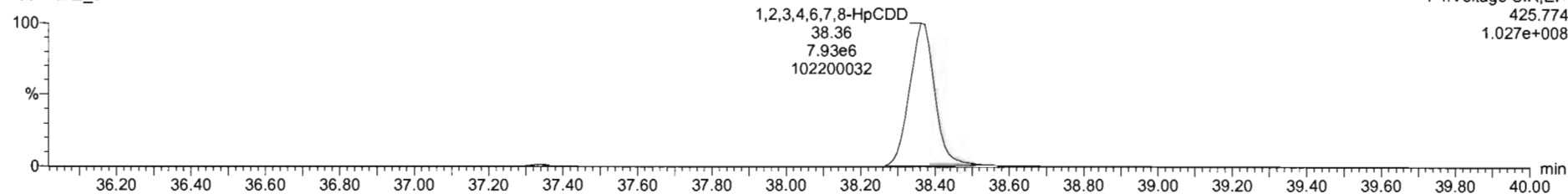
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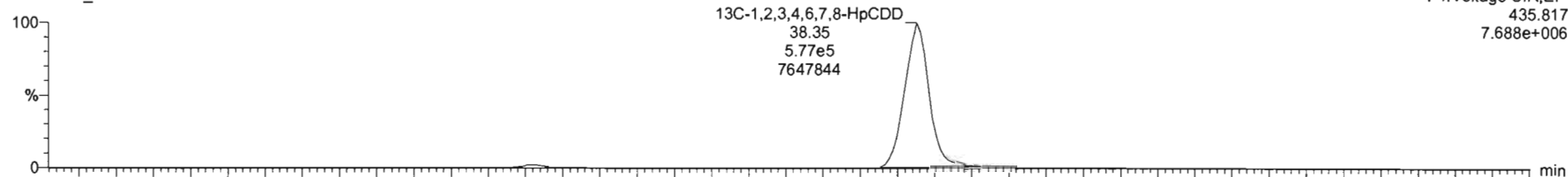


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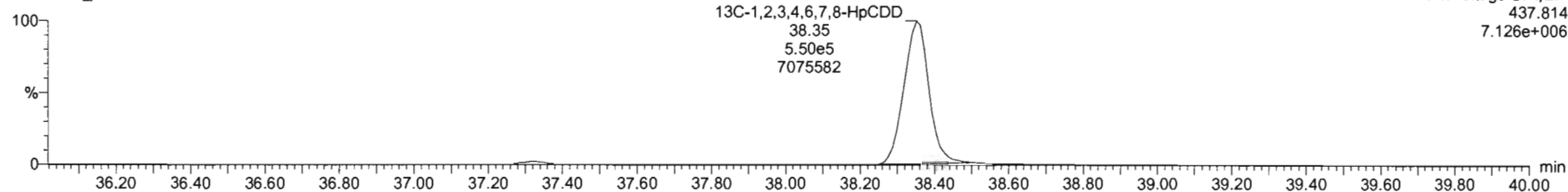


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200429R2_6



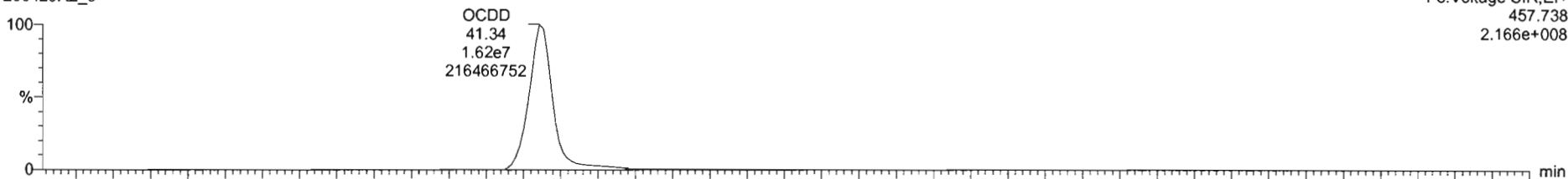
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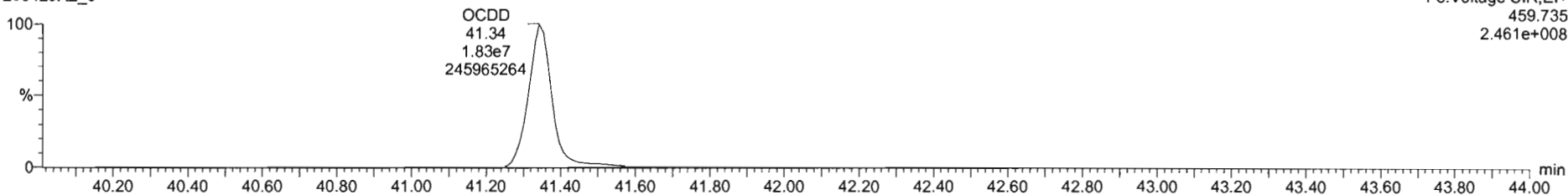
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OCDD

200429R2_6

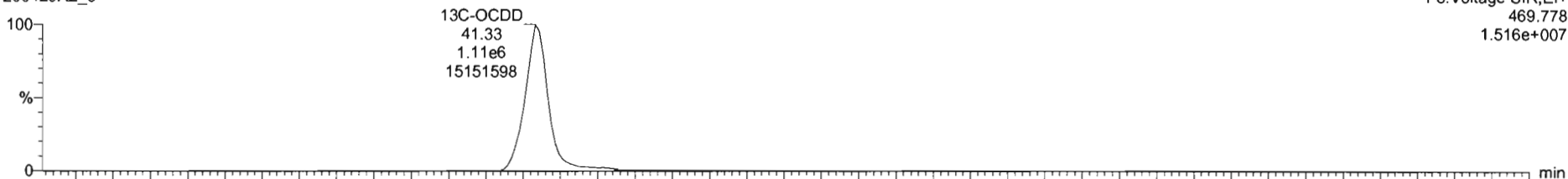


200429R2_6

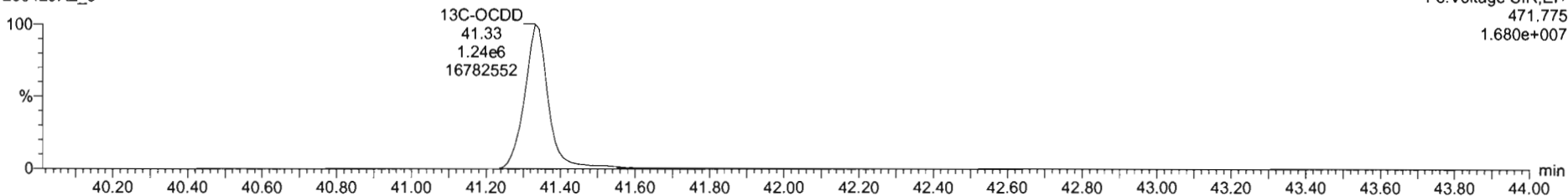


13C-OCDD

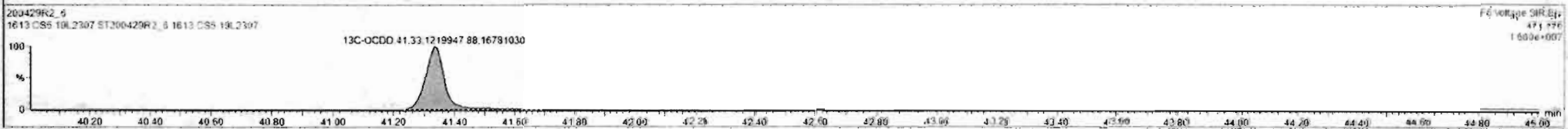
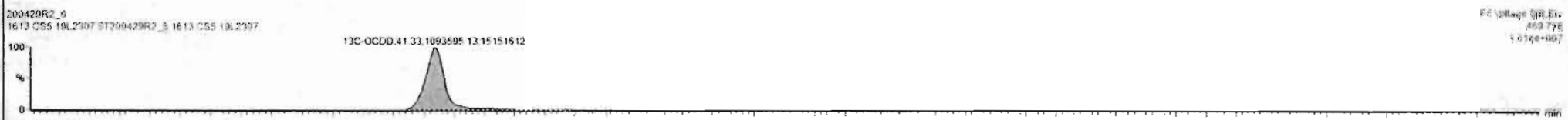
200429R2_6



200429R2_6



#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF U	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.754	NO	6.0624e6	2.0210e6	300.000	5.4	5.15	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.43	1.220	NO	2.1905e7	1.2869e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.916	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1260e6	1500.000	5.6	6.93	0.656	0.0422
7	OCDD	41.34	0.697	NO	3.3671e7	2.3135e6	3000.000	4.6	7.57	0.933	0.0707
8	0,2,2,7,8-TCDF	25.09	0.753	NO	7.1646e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5528e7	2.5822e6	1500.000	1.9	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.85	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.83	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.60	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.195	NO	1.9613e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.8627e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.94	0.993	NO	1.4305e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.667	NO	3.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



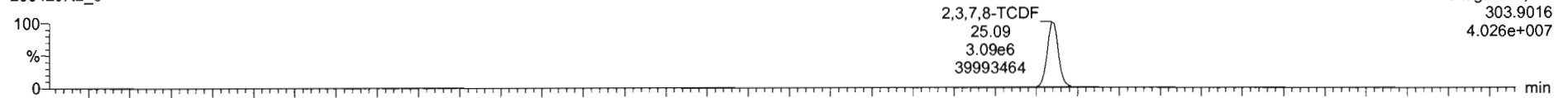
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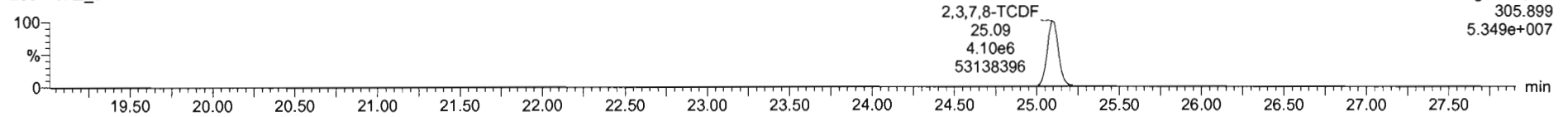
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2,3,7,8-TCDF

200429R2_6

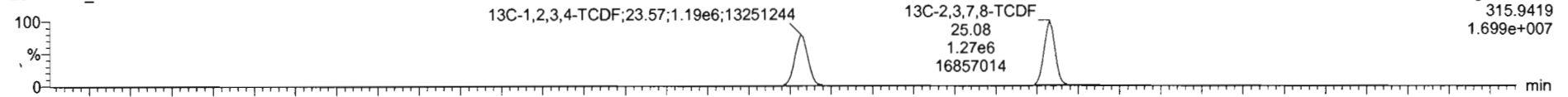


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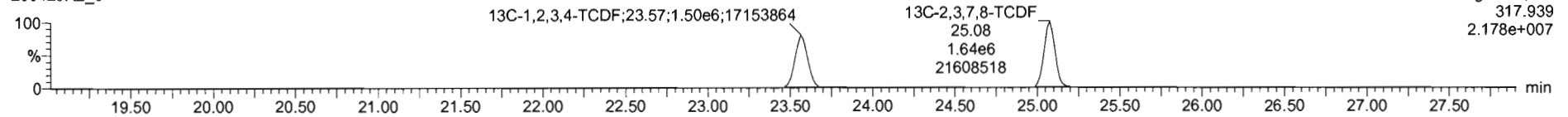


13C-2,3,7,8-TCDF

200429R2_6

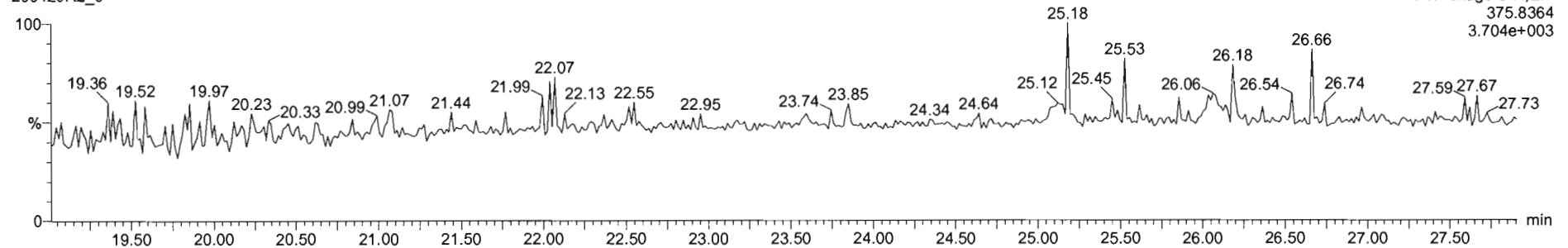


200429R2_6



DPE1

200429R2_6



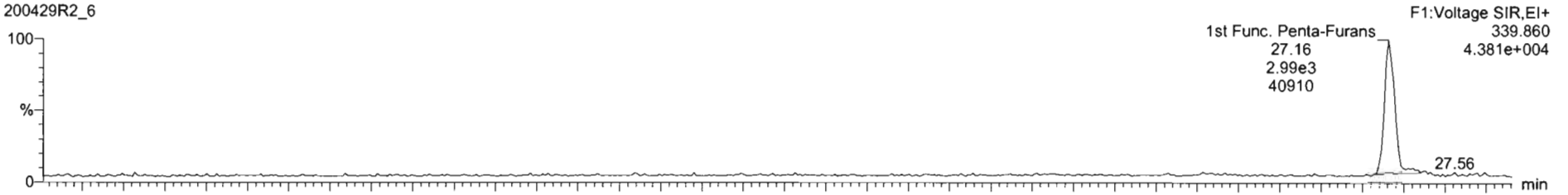
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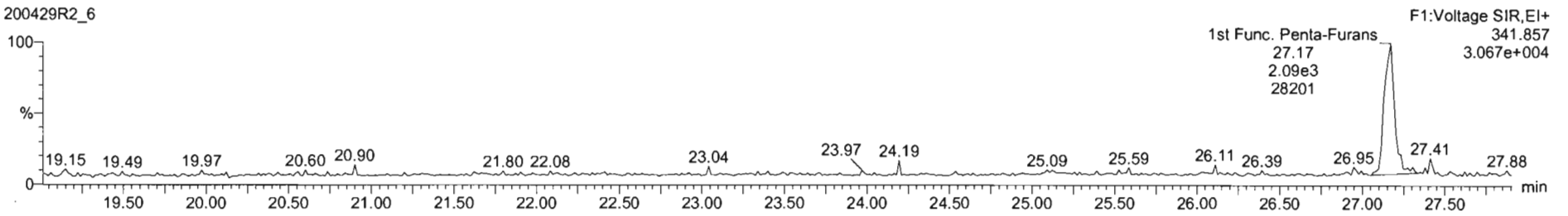
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1st Func. Penta-Furans

200429R2_6

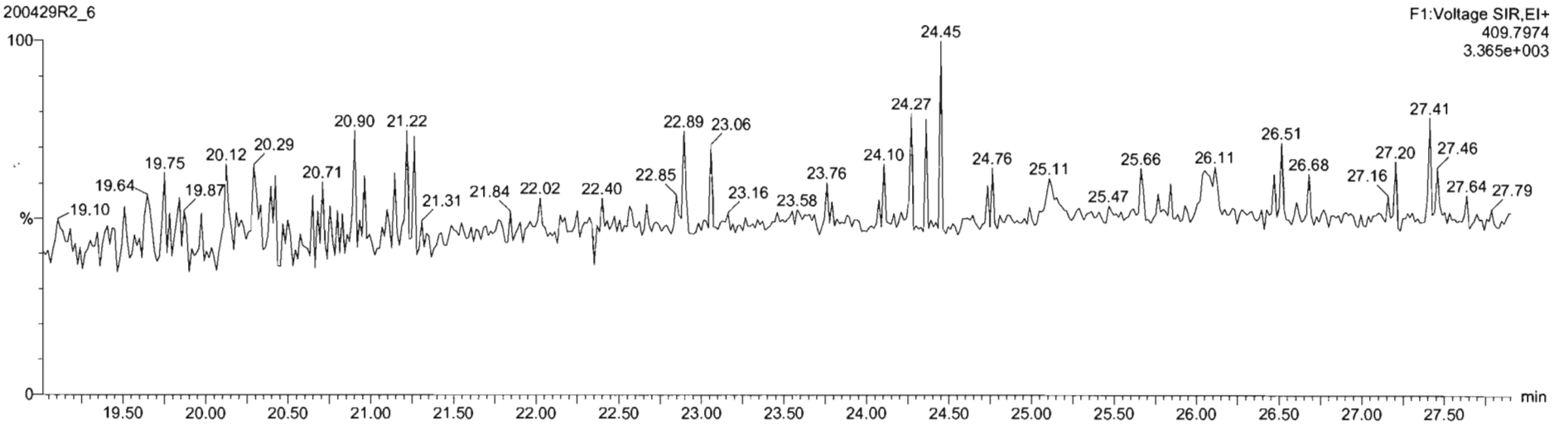


200429R2_6



DPE6

200429R2_6



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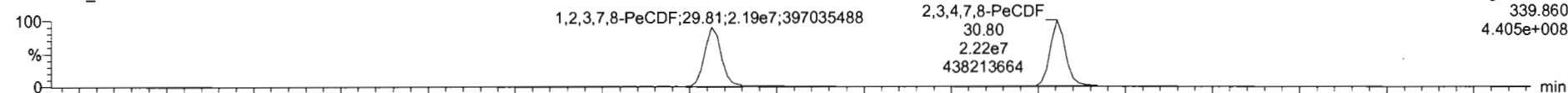
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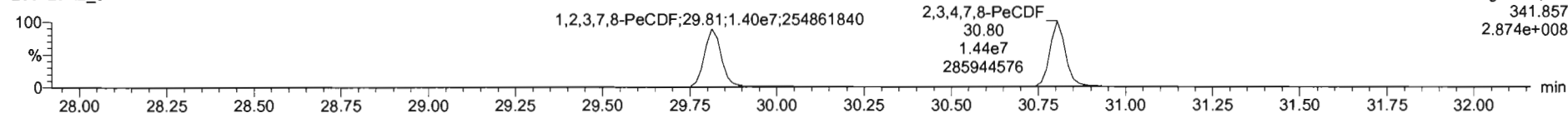
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1,2,3,7,8-PeCDF

200429R2_6

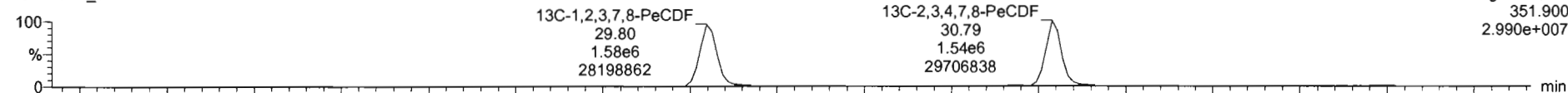


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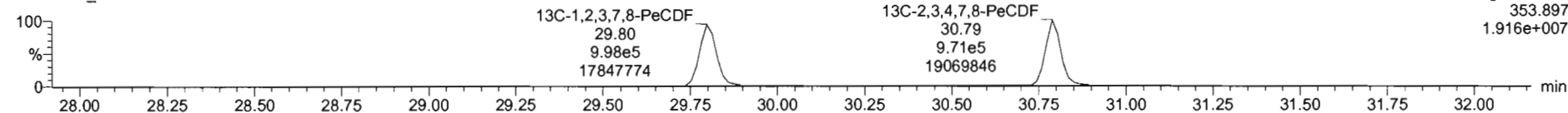


13C-1,2,3,7,8-PeCDF

200429R2_6

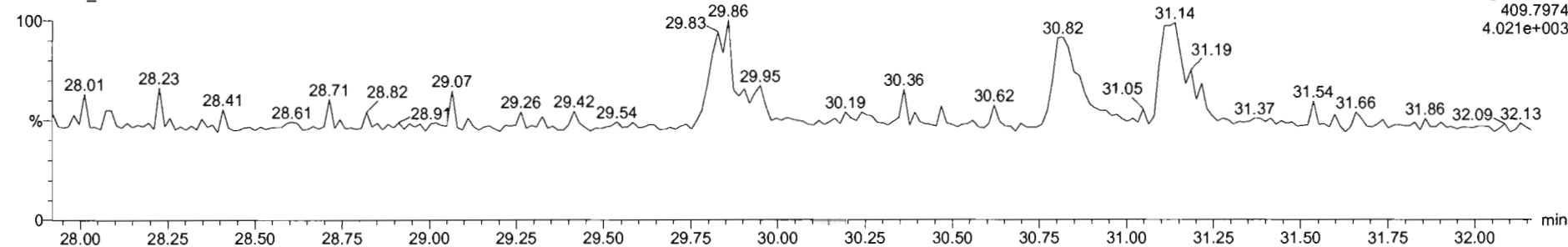


200429R2_6



DPE2

200429R2_6



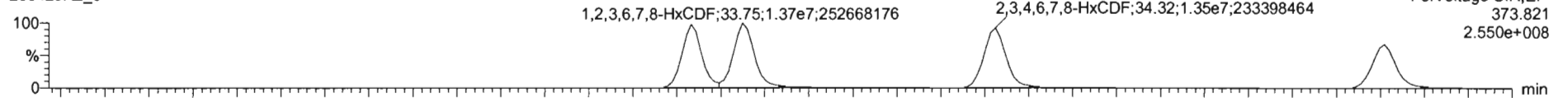
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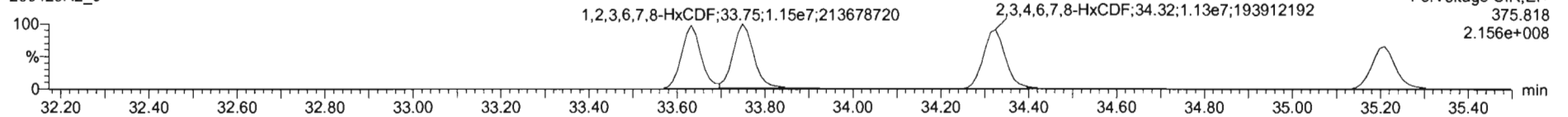
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1,2,3,4,7,8-HxCDF

200429R2_6

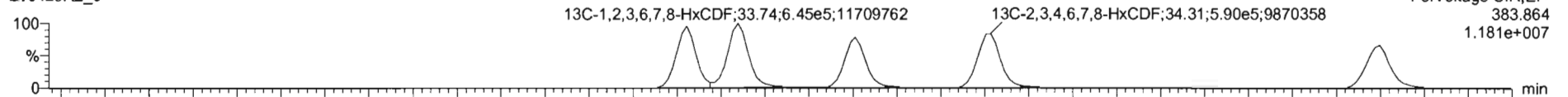


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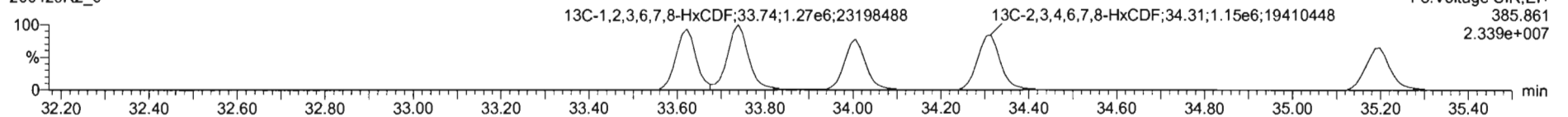


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200429R2_6

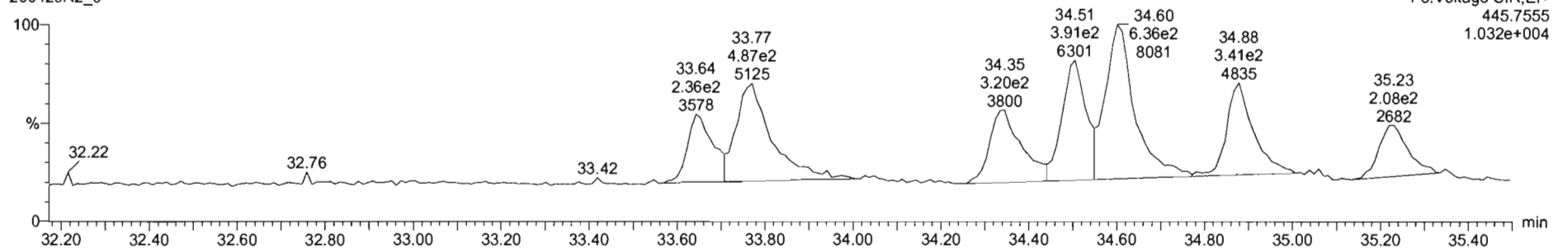


200429R2_6



DPE3

200429R2_6



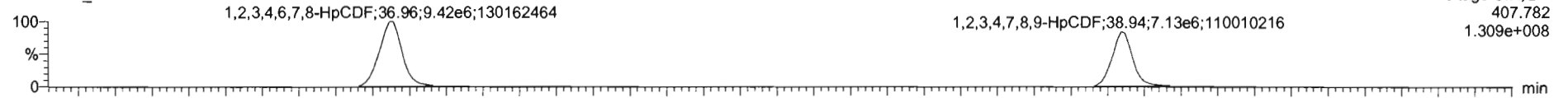
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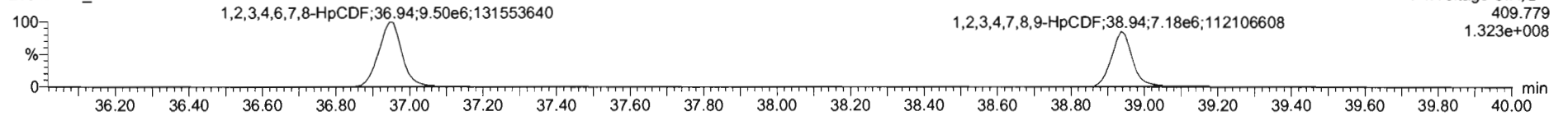
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1,2,3,4,6,7,8-HpCDF

200429R2_6

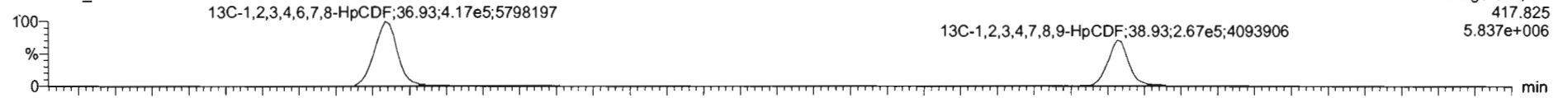


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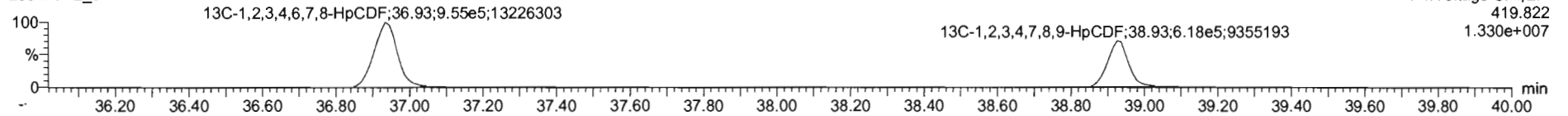


13C-1,2,3,4,6,7,8-HpCDF

200429R2_6

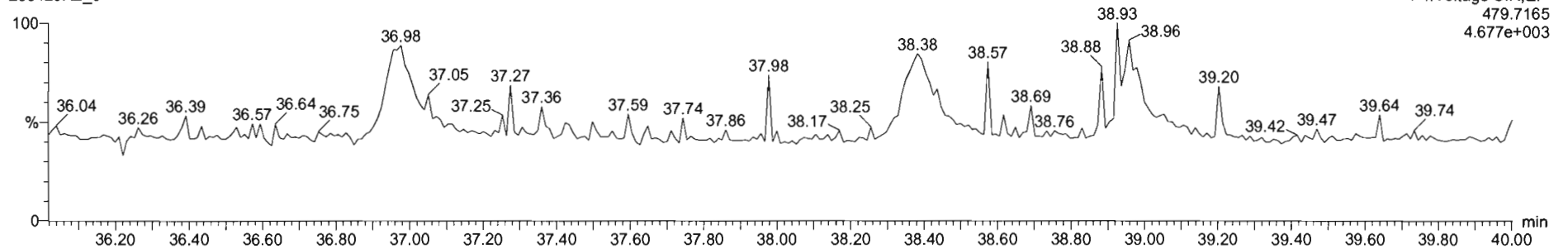


200429R2_6



DPE4

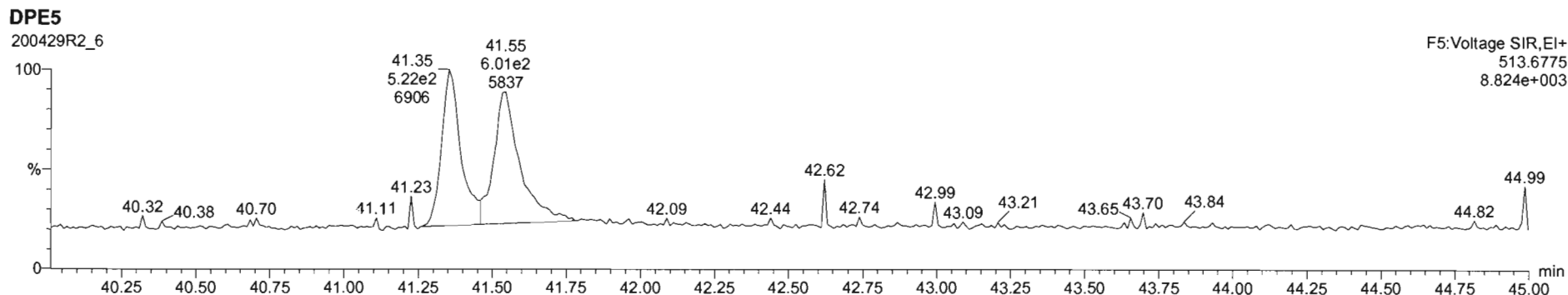
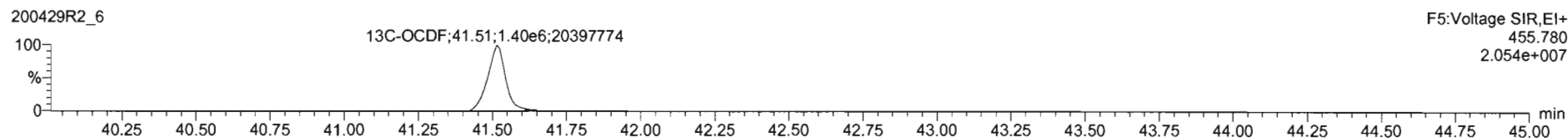
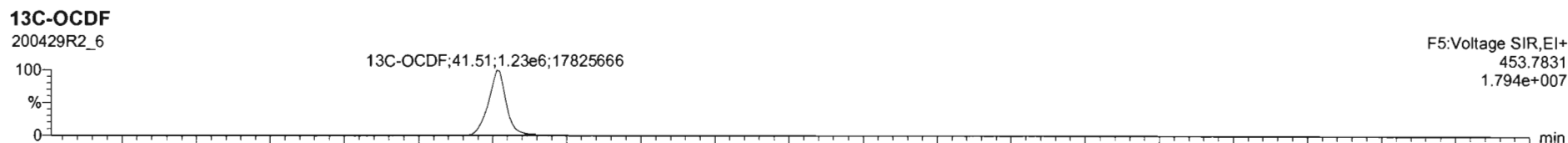
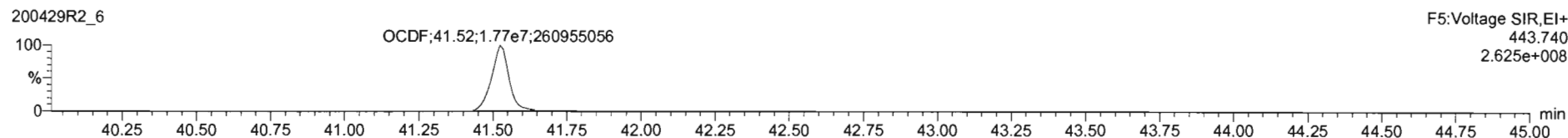
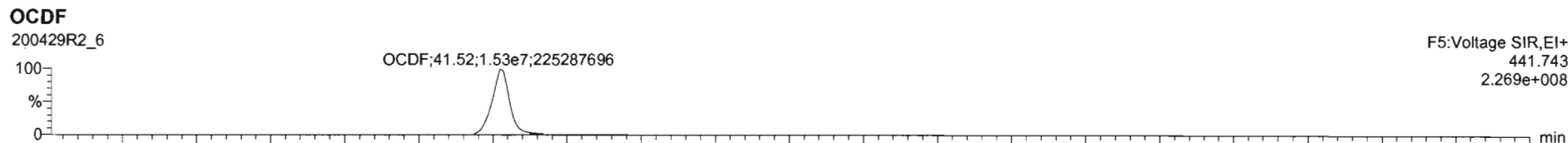
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Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

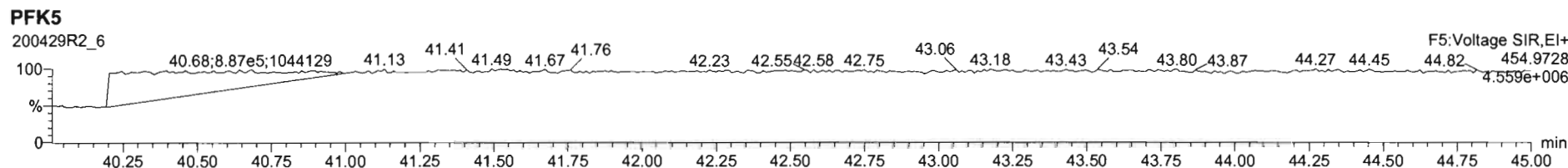
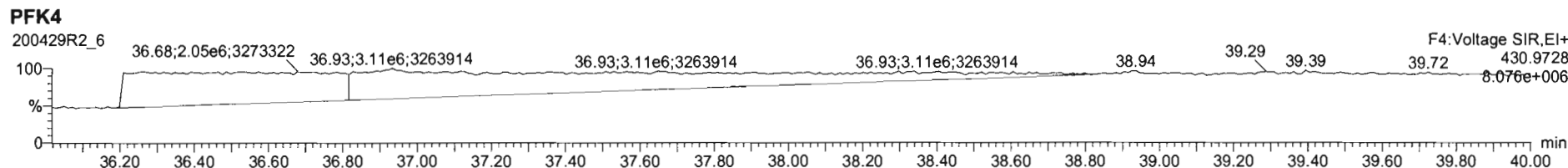
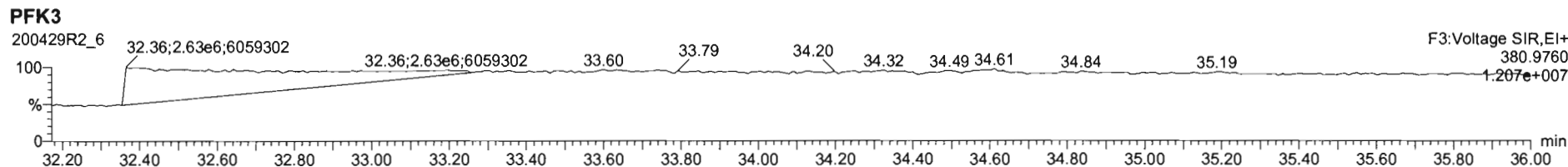
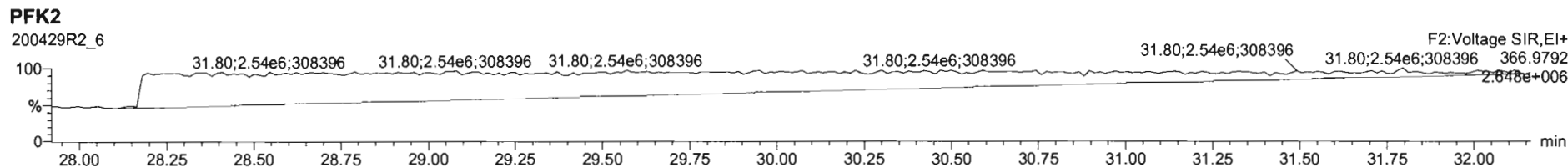
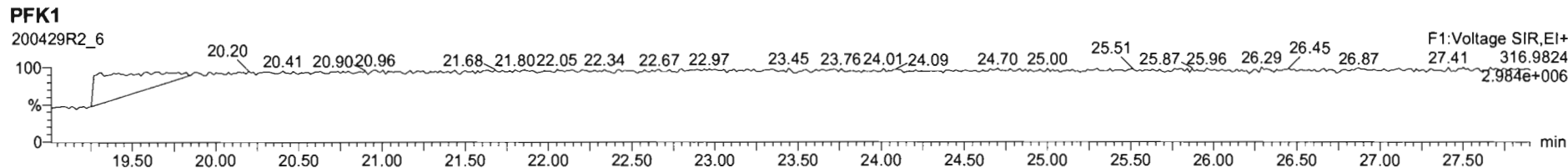


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Dataset: U:\VG12.PRO\Results\200429R2\200429R2-8.qld

Last Altered: Thursday, April 30, 2020 8:35:25 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:36:35 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	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	1.63e5	0.76	NO	0.947	1.000	26.081	26.07	1.001	1.001	11.205	112	0.0427	11.2
2	2 1,2,3,7,8-PeCDD	5.70e5	0.63	NO	0.942	1.000	31.147	31.14	1.001	1.000	56.141	112	0.0577	56.1
3	3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.06	1.000	34.505	34.51	1.000	1.000	58.046	116	0.102	58.0
4	4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.915	1.000	34.591	34.61	1.000	1.001	57.430	115	0.105	57.4
5	5 1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.915	1.000	34.878	34.88	1.000	1.000	58.193	116	0.120	58.2
6	6 1,2,3,4,6,7,8-HpCDD	3.49e5	1.04	NO	0.898	1.000	38.373	38.38	1.000	1.001	56.727	113	0.145	56.7
7	7 OCDD	6.53e5	0.88	NO	0.933	1.000	41.343	41.35	1.000	1.000	116.94	117	0.107	117
8	8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.787	1.000	25.117	25.12	1.001	1.001	11.247	112	0.0306	11.2
9	9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.910	1.000	29.834	29.83	1.001	1.001	55.836	112	0.0810	55.8
10	10 2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.966	1.000	30.836	30.82	1.001	1.000	60.816	122	0.0765	60.8
11	11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.878	1.000	33.632	33.64	1.000	1.000	55.918	112	0.109	55.9
12	12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.874	1.000	33.760	33.76	1.000	1.000	56.451	113	0.107	56.5
13	13 2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.922	1.000	34.359	34.33	1.001	1.000	56.186	112	0.118	56.2
14	14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.864	1.000	35.209	35.22	1.000	1.000	55.290	111	0.162	55.3
15	15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.871	1.000	36.982	36.97	1.001	1.001	54.863	110	0.153	54.9
16	16 1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.01	1.000	38.947	38.95	1.000	1.000	57.162	114	0.204	57.2
17	17 OCDF	6.13e5	0.86	NO	0.802	1.000	41.525	41.53	1.000	1.000	115.17	115	0.126	115
18	18 13C-2,3,7,8-TCDD	1.53e6	0.79	NO	1.16	1.000	26.046	26.05	1.026	1.027	91.114	91.1	0.0954	
19	19 13C-1,2,3,7,8-PeCDD	1.08e6	0.64	NO	0.847	1.000	31.141	31.13	1.227	1.227	87.564	87.6	0.0958	
20	20 13C-1,2,3,4,7,8-HxCDD	7.95e5	1.29	NO	0.750	1.000	34.496	34.49	1.014	1.014	88.379	88.4	0.183	
21	21 13C-1,2,3,6,7,8-HxCDD	1.03e6	1.29	NO	0.963	1.000	34.608	34.59	1.017	1.017	89.585	89.6	0.142	
22	22 13C-1,2,3,7,8,9-HxCDD	8.98e5	1.26	NO	0.838	1.000	34.877	34.87	1.025	1.025	89.402	89.4	0.164	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.86e5	1.10	NO	0.641	1.000	38.367	38.36	1.128	1.128	89.184	89.2	0.183	
24	24 13C-OCDD	1.20e6	0.86	NO	0.586	1.000	41.360	41.34	1.216	1.215	170.31	85.2	0.144	
25	25 13C-2,3,7,8-TCDF	2.25e6	0.78	NO	1.03	1.000	25.104	25.09	0.989	0.989	92.189	92.2	0.134	
26	26 13C-1,2,3,7,8-PeCDF	1.77e6	1.60	NO	0.845	1.000	29.829	29.81	1.176	1.175	88.893	88.9	0.195	
27	27 13C-2,3,4,7,8-PeCDF	1.71e6	1.60	NO	0.814	1.000	30.822	30.81	1.215	1.214	88.919	88.9	0.203	
28	28 13C-1,2,3,4,7,8-HxCDF	1.12e6	0.51	NO	1.00	1.000	33.635	33.63	0.989	0.989	93.115	93.1	0.212	
29	29 13C-1,2,3,6,7,8-HxCDF	1.26e6	0.51	NO	1.14	1.000	33.757	33.75	0.992	0.992	92.434	92.4	0.187	
30	30 13C-2,3,4,6,7,8-HxCDF	1.12e6	0.51	NO	1.02	1.000	34.326	34.33	1.009	1.009	91.031	91.0	0.208	
31	31 13C-1,2,3,7,8,9-HxCDF	9.97e5	0.51	NO	0.845	1.000	35.217	35.21	1.035	1.035	98.412	98.4	0.252	

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-8.qld

Last Altered: Thursday, April 30, 2020 8:35:25 AM Pacific Daylight Time
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.59e5	0.43	NO	0.771	1.000	36.948	36.94	1.086	1.086	92.960	93.0	0.284	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.17e5	0.43	NO	0.482	1.000	38.959	38.95	1.145	1.145	89.503	89.5	0.455	
34	34 13C-OCDF	1.33e6	0.88	NO	0.669	1.000	41.530	41.53	1.221	1.221	165.58	82.8	0.146	
35	35 37Cl-2,3,7,8-TCDD	1.58e5			1.10	1.000	26.076	26.07	1.028	1.027	9.8763	98.8	0.0151	
36	36 13C-1,2,3,4-TCDD	1.45e6	0.81	NO	1.00	1.000	25.350	25.38	1.000	1.000	100.00	100	0.111	
37	37 13C-1,2,3,4-TCDF	2.36e6	0.79	NO	1.00	1.000	23.560	23.59	1.000	1.000	100.00	100	0.139	
38	38 13C-1,2,3,4,6,9-HxCDF	1.20e6	0.51	NO	1.00	1.000	34.000	34.02	1.000	1.000	100.00	100	0.213	

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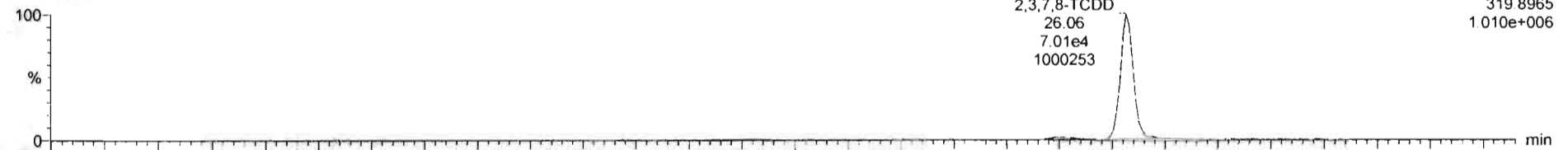
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Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

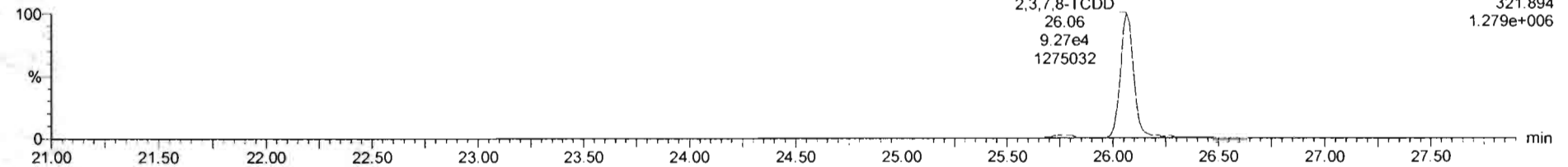
2,3,7,8-TCDD

200429R2_8



F1: Voltage SIR, EI+
319.8965
1.010e+006

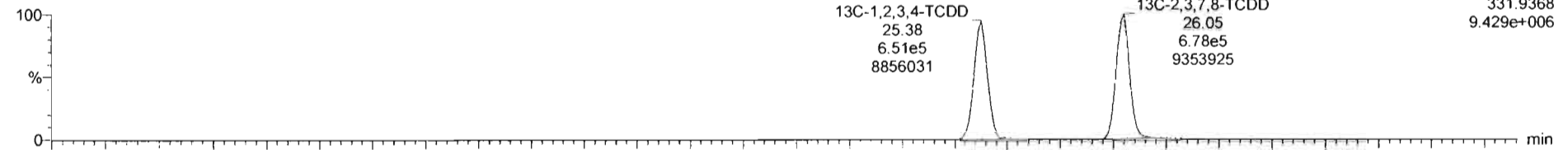
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1.279e+006

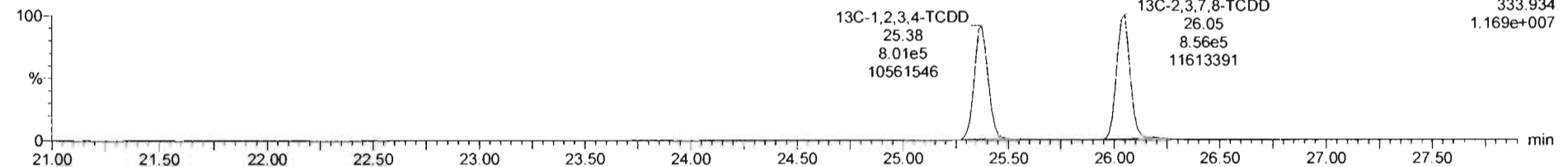
13C-2,3,7,8-TCDD

200429R2_8



F1: Voltage SIR, EI+
331.9368
9.429e+006

200429R2_8



F1: Voltage SIR, EI+
333.934
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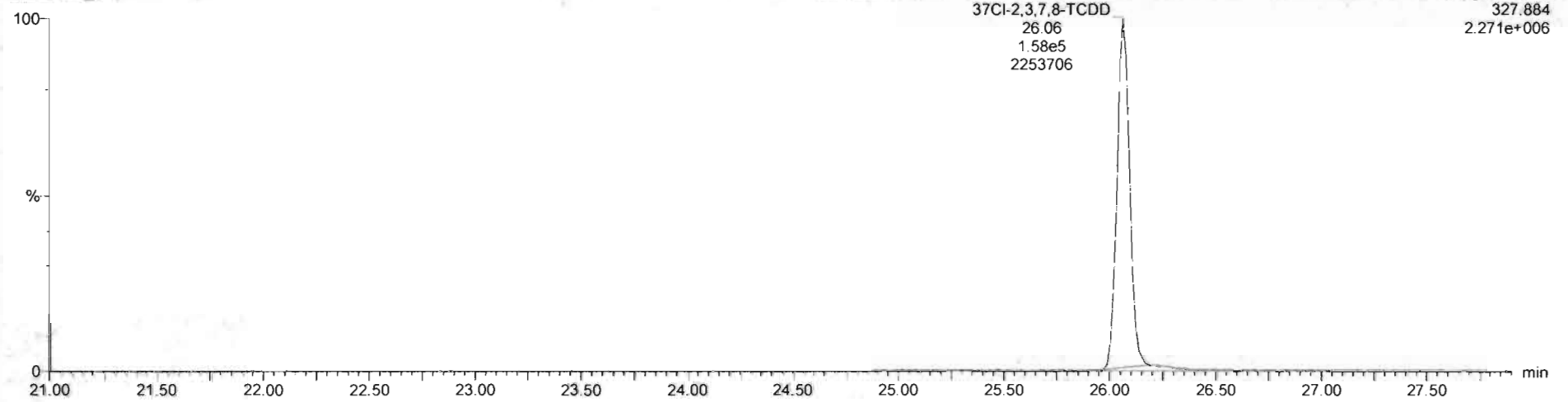
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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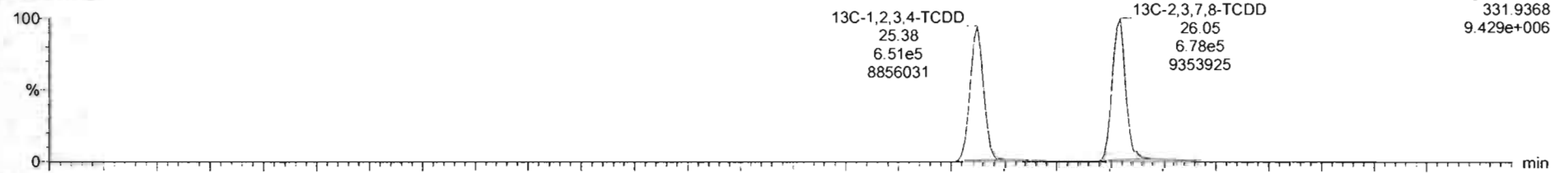
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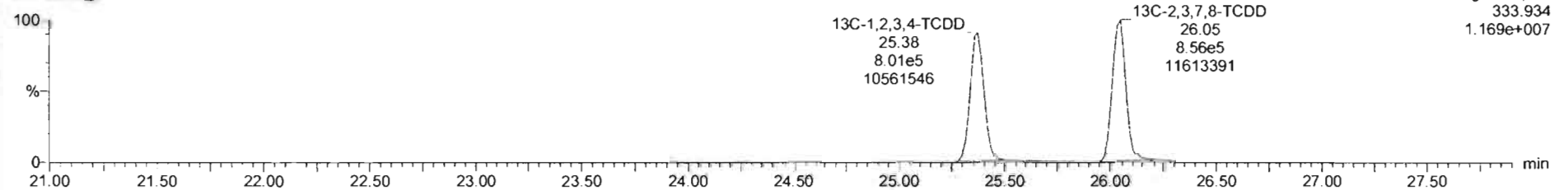
13C-1,2,3,4-TCDD

200429R2_8



F1:Voltage SIR,EI+
331.9368
9.429e+006

200429R2_8



F1:Voltage SIR,EI+
333.934
1.169e+007

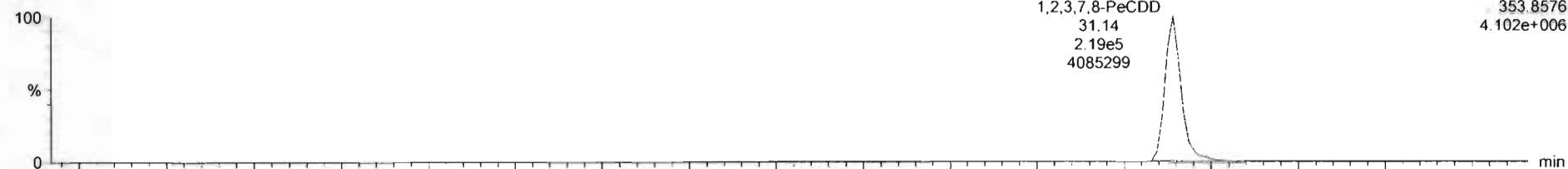
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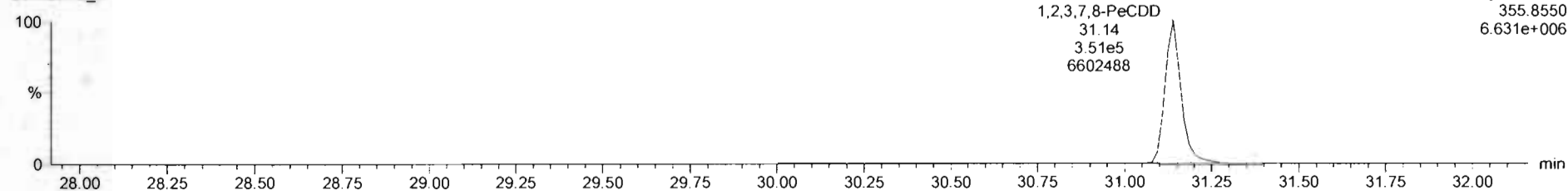
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1,2,3,7,8-PeCDD

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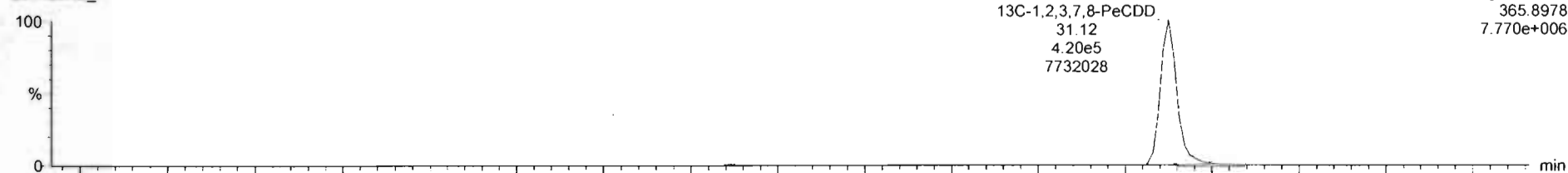


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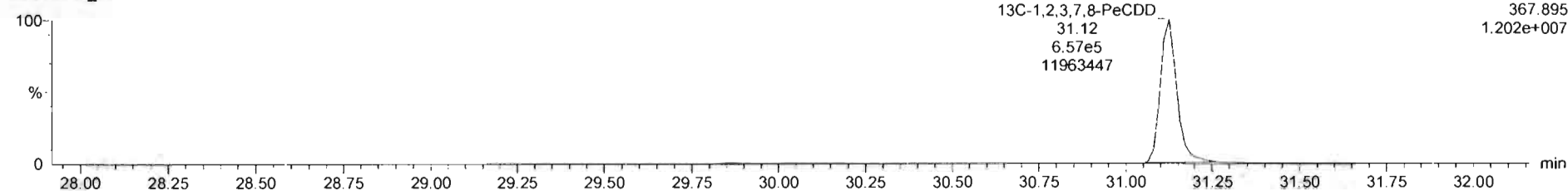


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200429R2_8



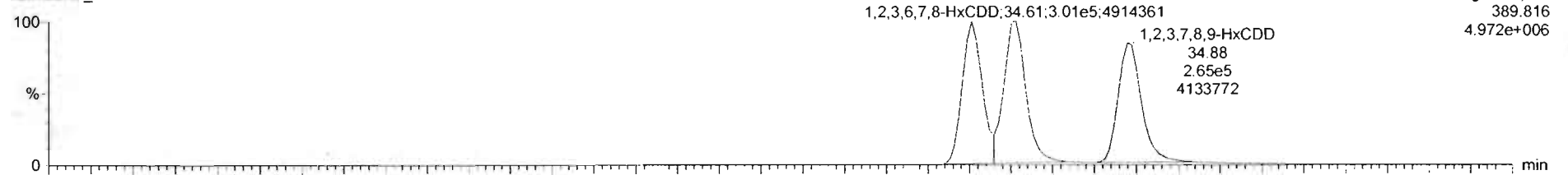
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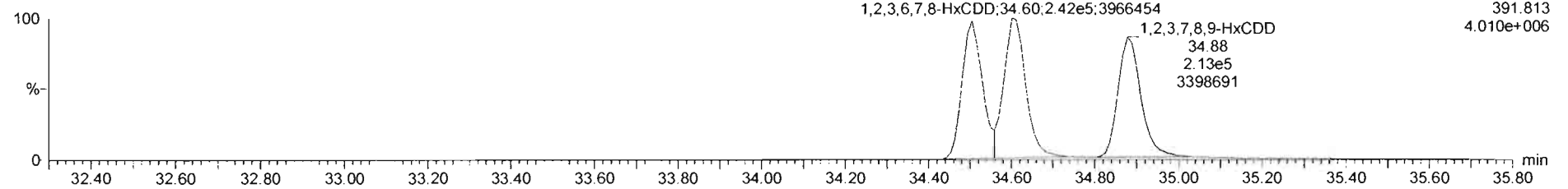
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1,2,3,4,7,8-HxCDD

200429R2_8

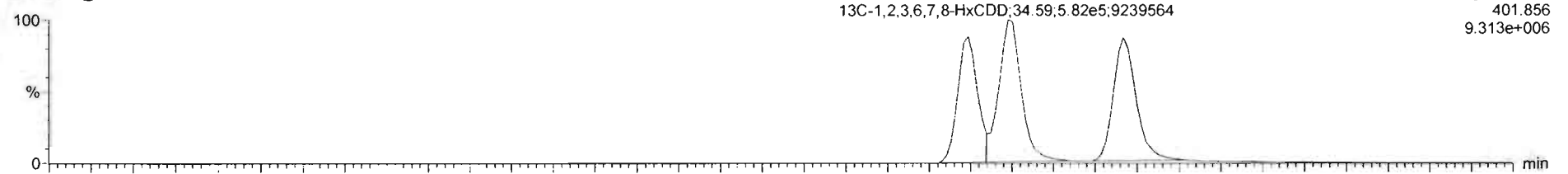


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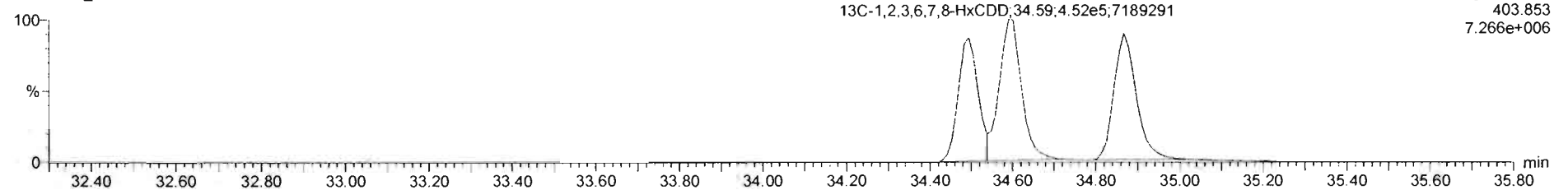


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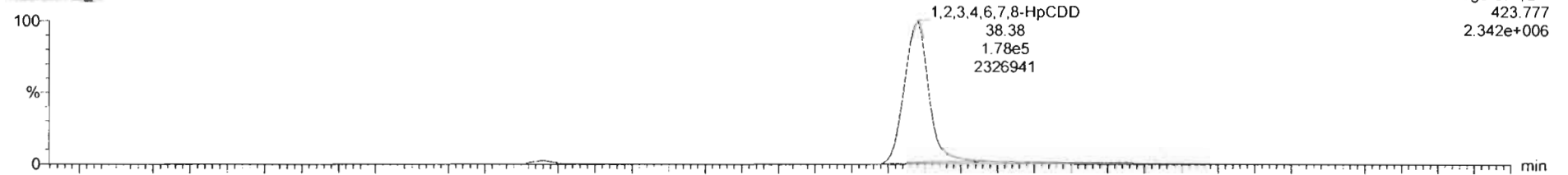
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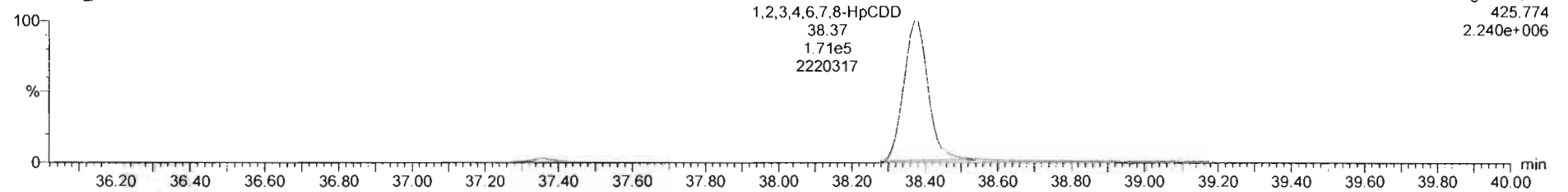
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200429R2_8

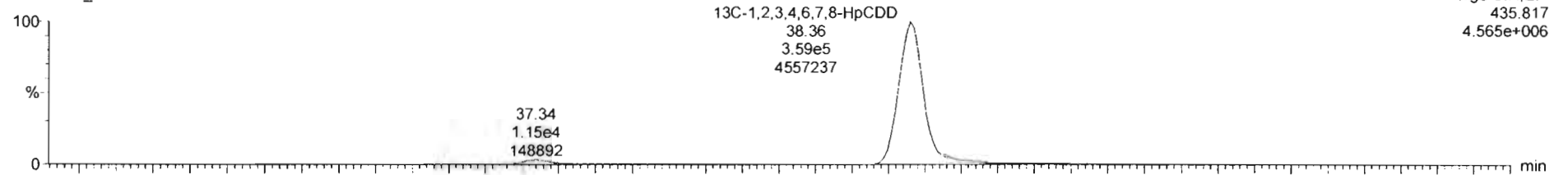


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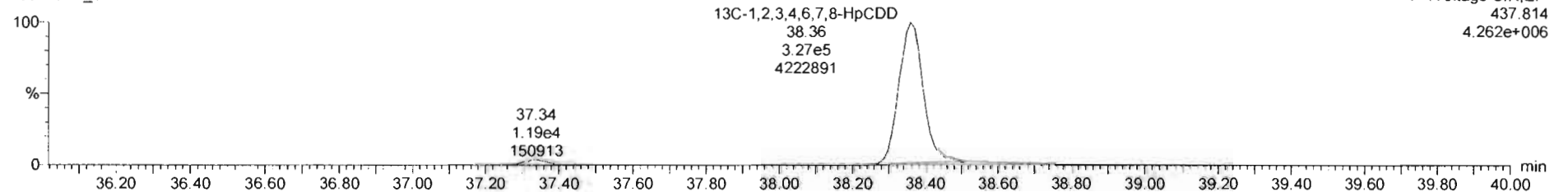


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200429R2_8



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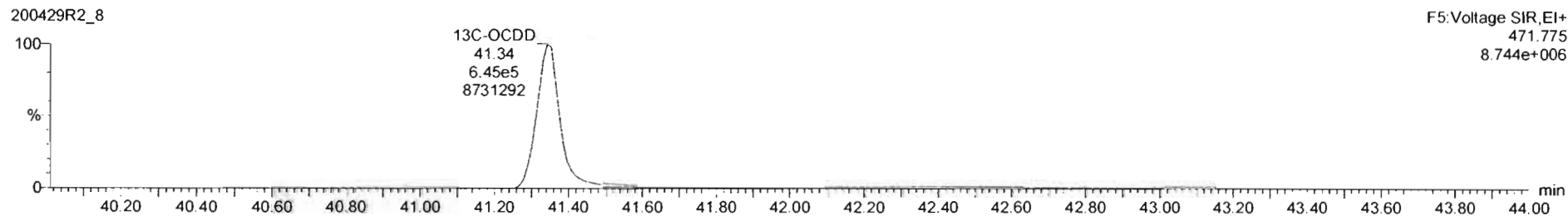
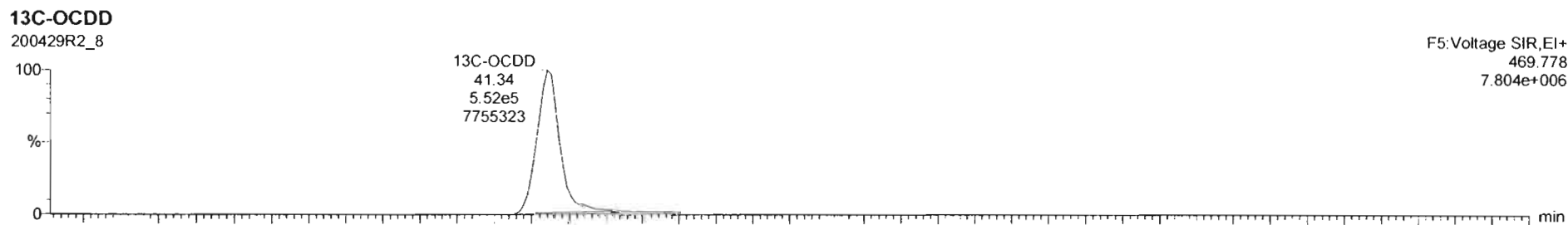
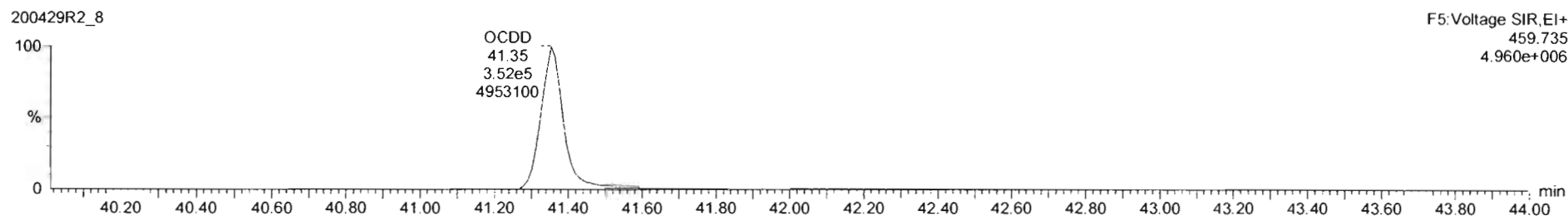
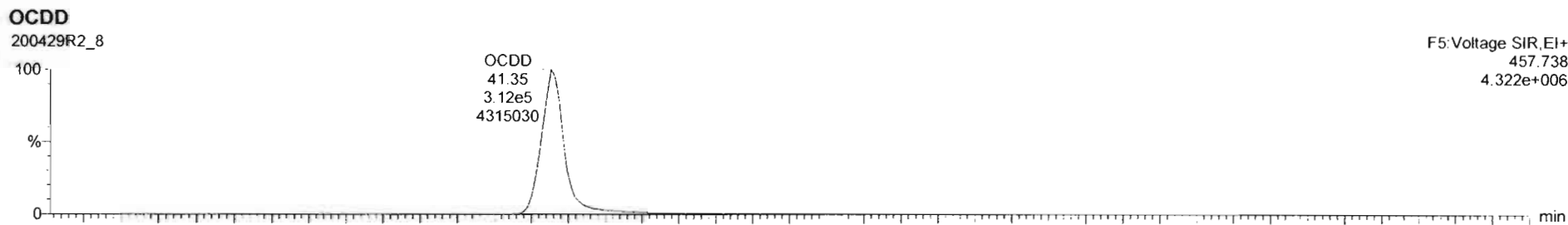


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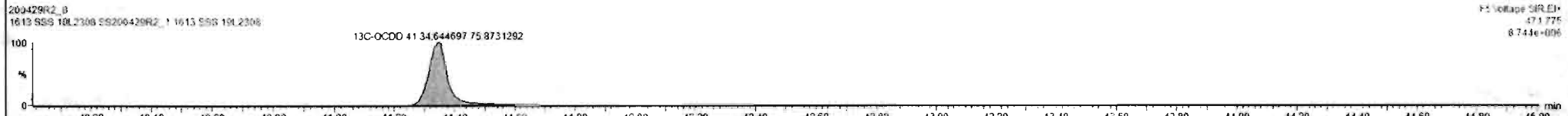
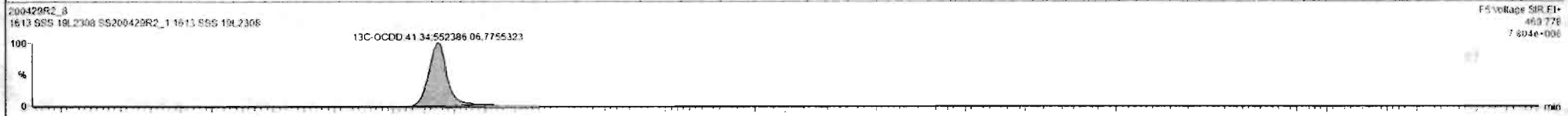
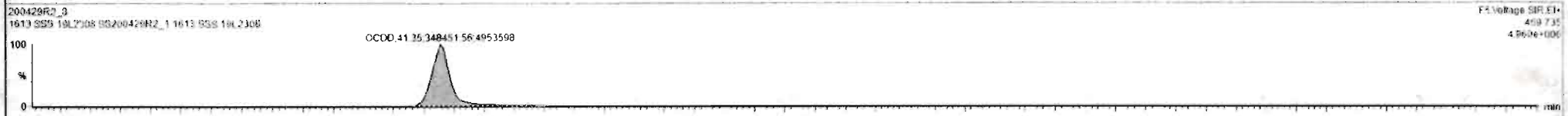
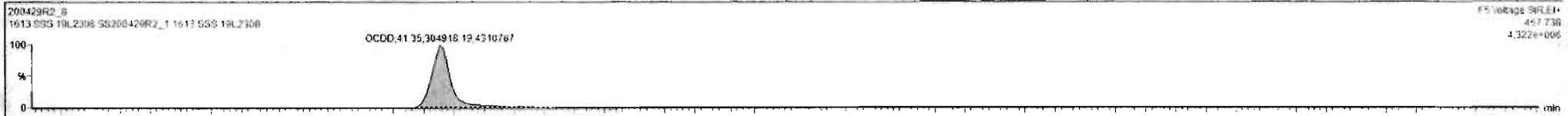
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



#	Name	Resp	RA	inj	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	112	0.0427	11.2
2	1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	112	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	56.0	116	0.102	56.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	115	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.88	1.000	58.2	116	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8919	1.000	36.38	1.001	56.7	113	0.145	56.7
7	OCDD	6.53e5	0.55	NO	0.9325	1.000	41.35	1.000	117	117	0.107	117
8	2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	112	0.0306	11.2
9	1,2,3,7,8-PeCDF	5.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	112	0.0810	55.8
10	2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.9664	1.000	30.82	1.000	60.8	122	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.22	NO	0.8782	1.000	33.64	1.000	55.9	112	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.78	1.000	56.5	113	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	112	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8542	1.000	35.22	1.000	55.3	111	0.152	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	110	0.153	54.9
16	1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	114	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	115	0.158	115



Custom Reporting: Select reports to generate

200429R2_8

CAP NUM

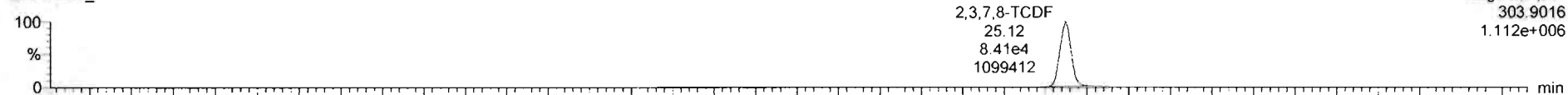
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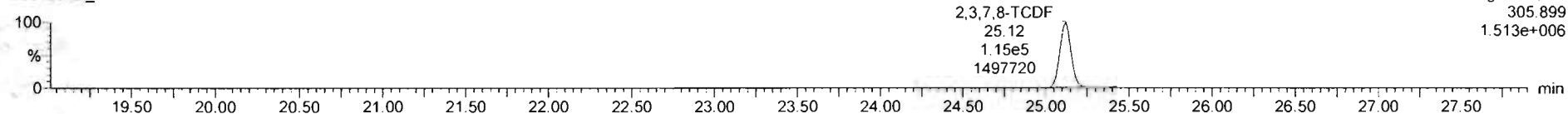
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2,3,7,8-TCDF

200429R2_8

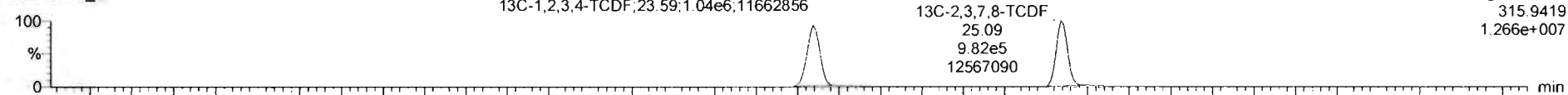


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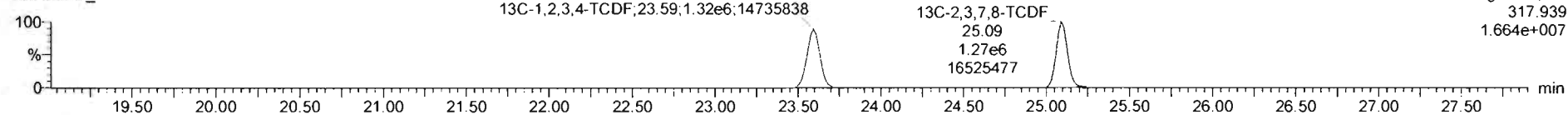


13C-2,3,7,8-TCDF

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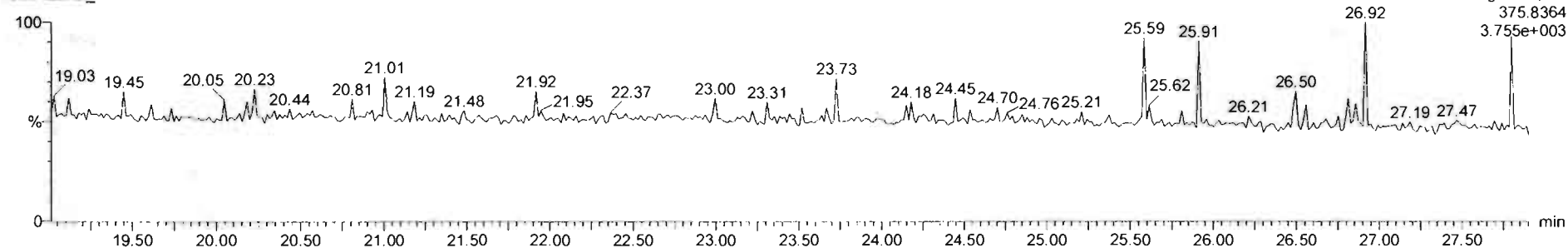


200429R2_8



DPE1

200429R2_8



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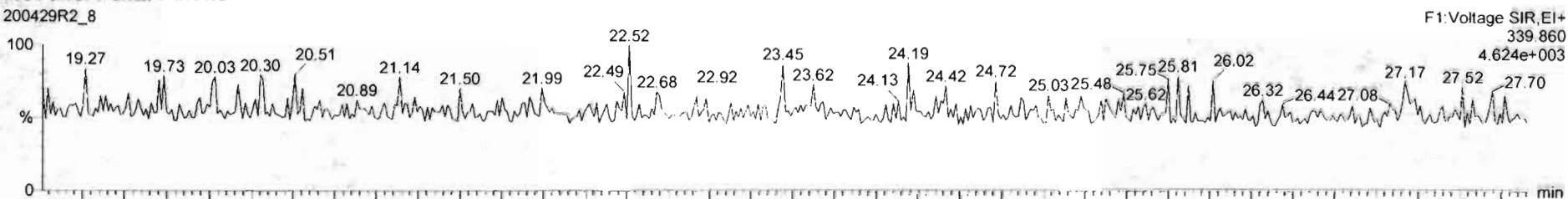
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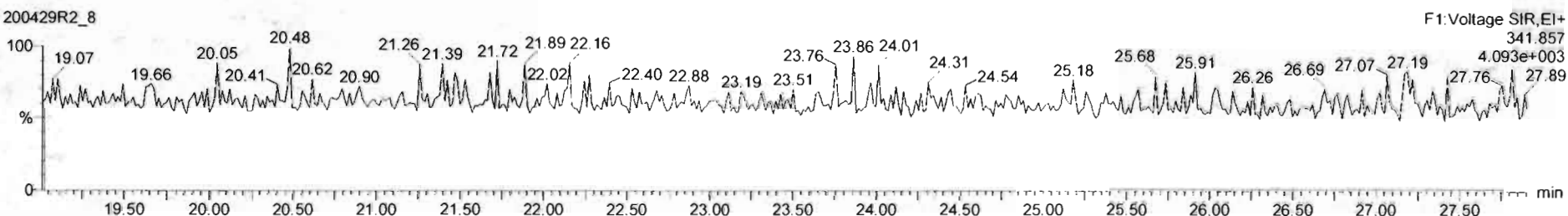
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200429R2_8

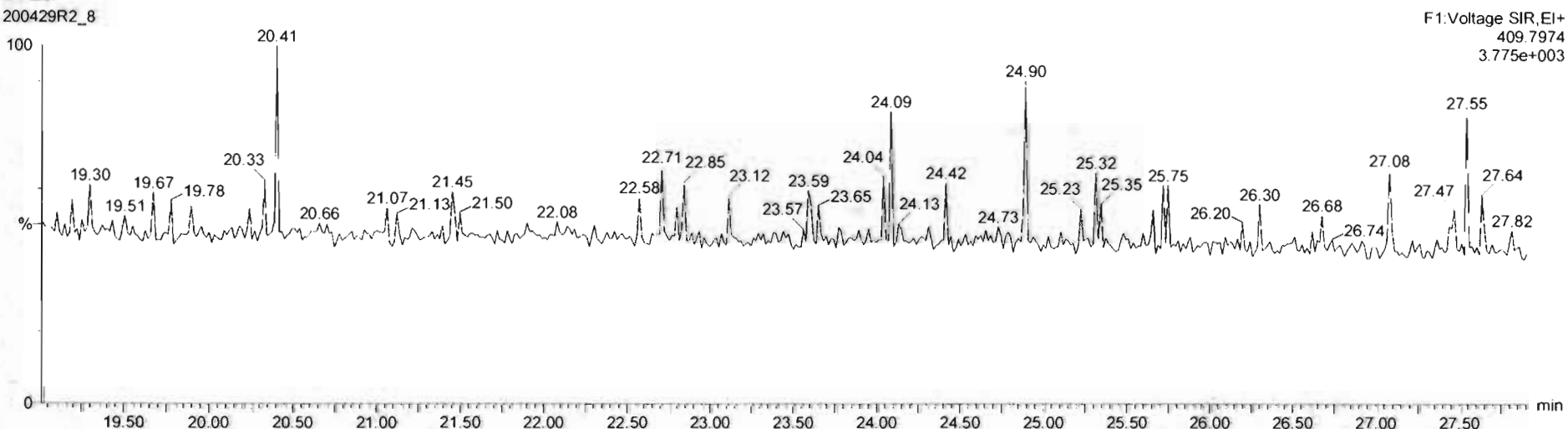


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DPE6

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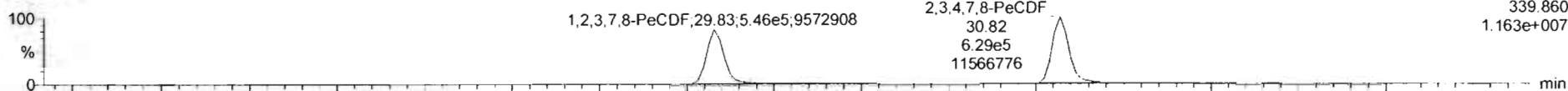
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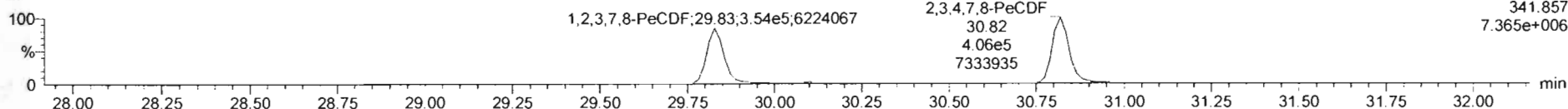
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1,2,3,7,8-PeCDF

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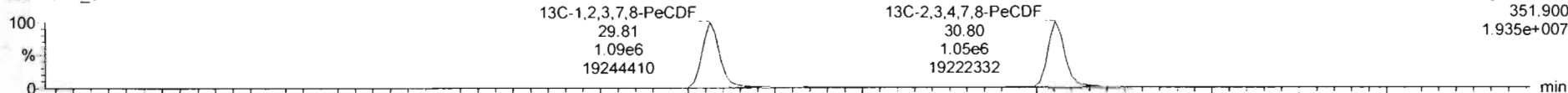


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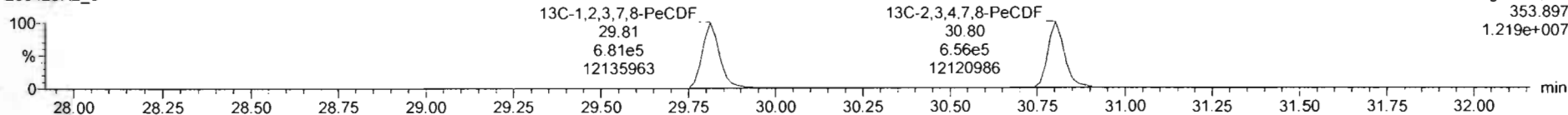


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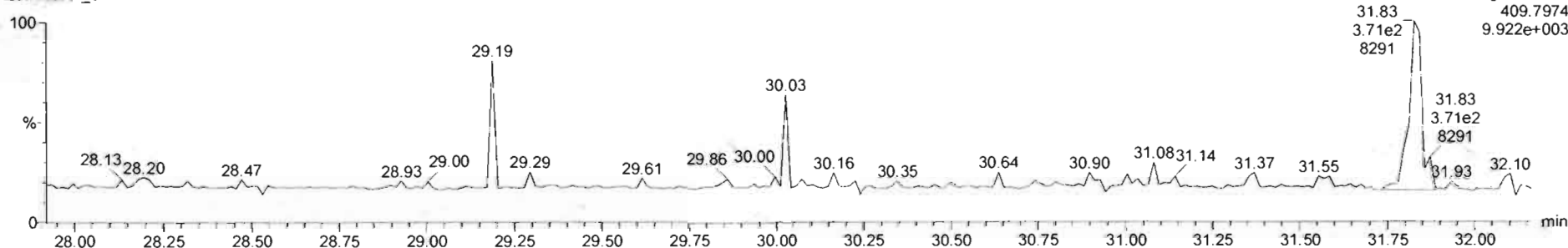


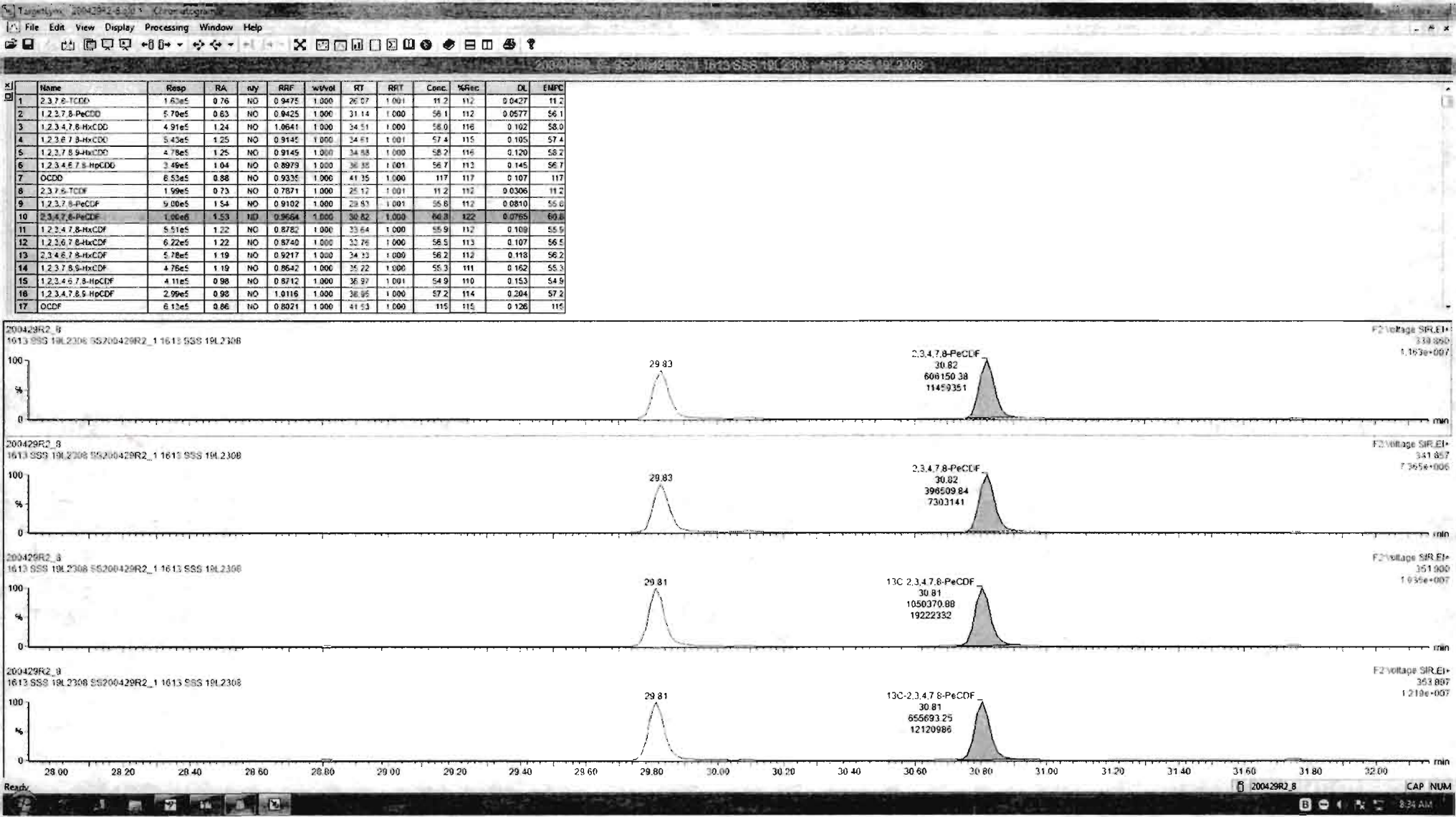
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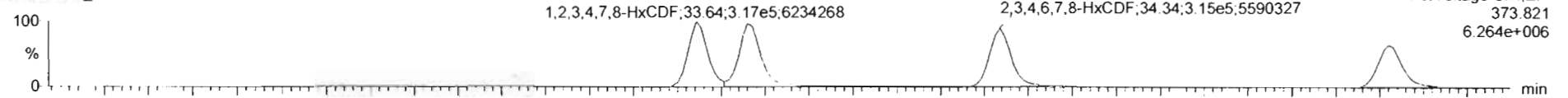
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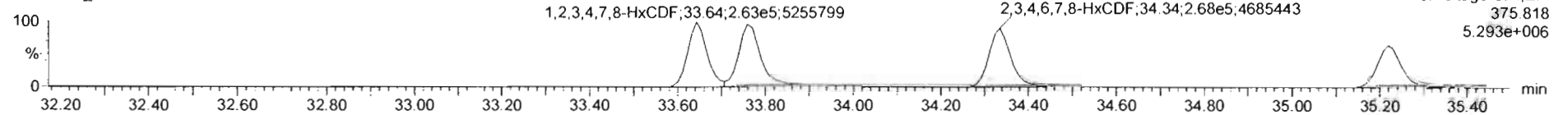
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1,2,3,4,7,8-HxCDF

200429R2_8

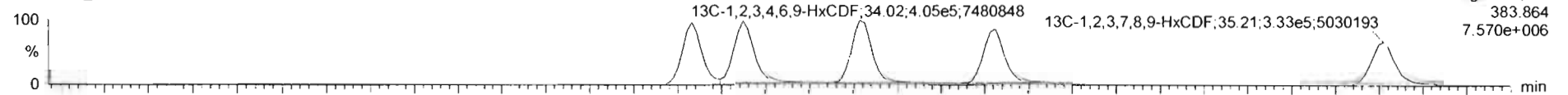


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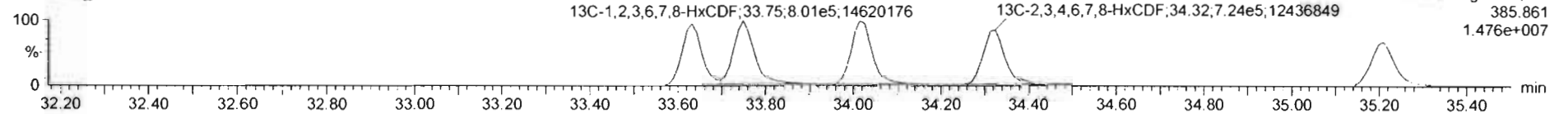


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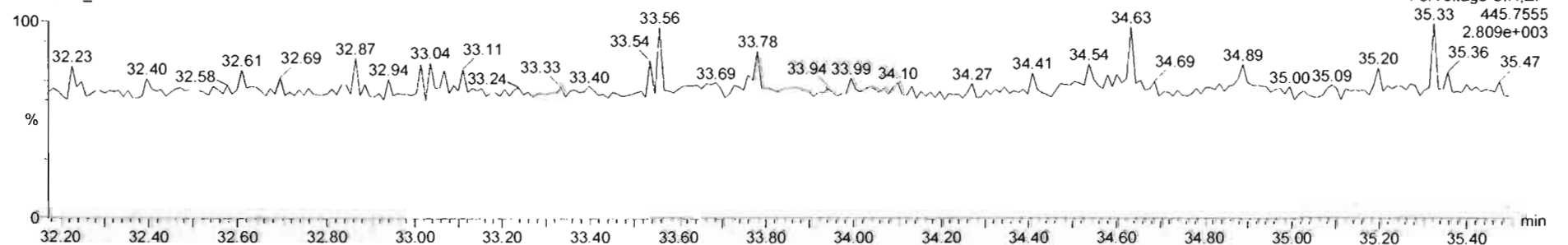


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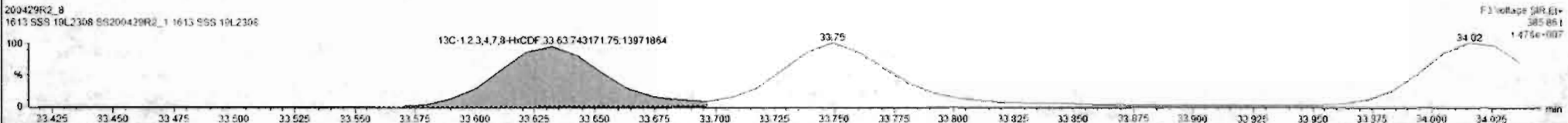
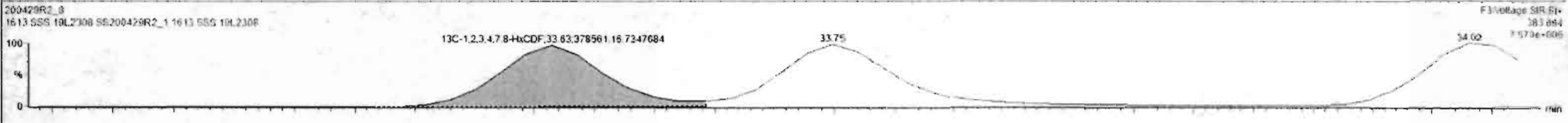
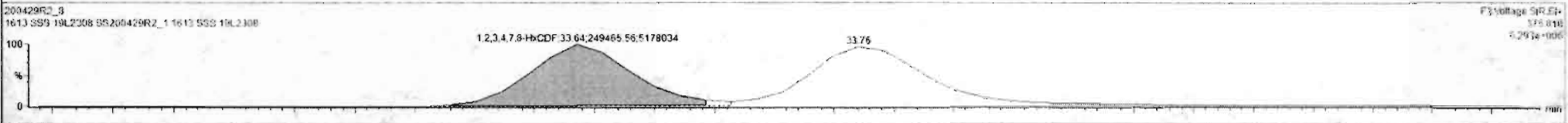
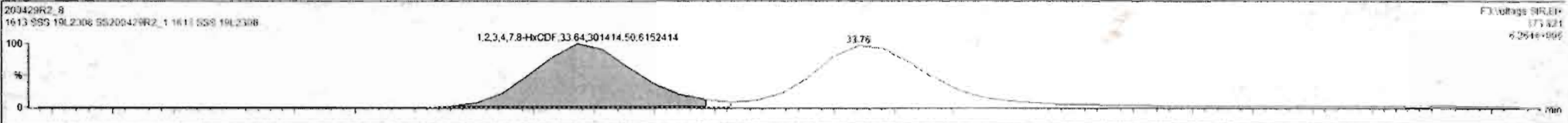
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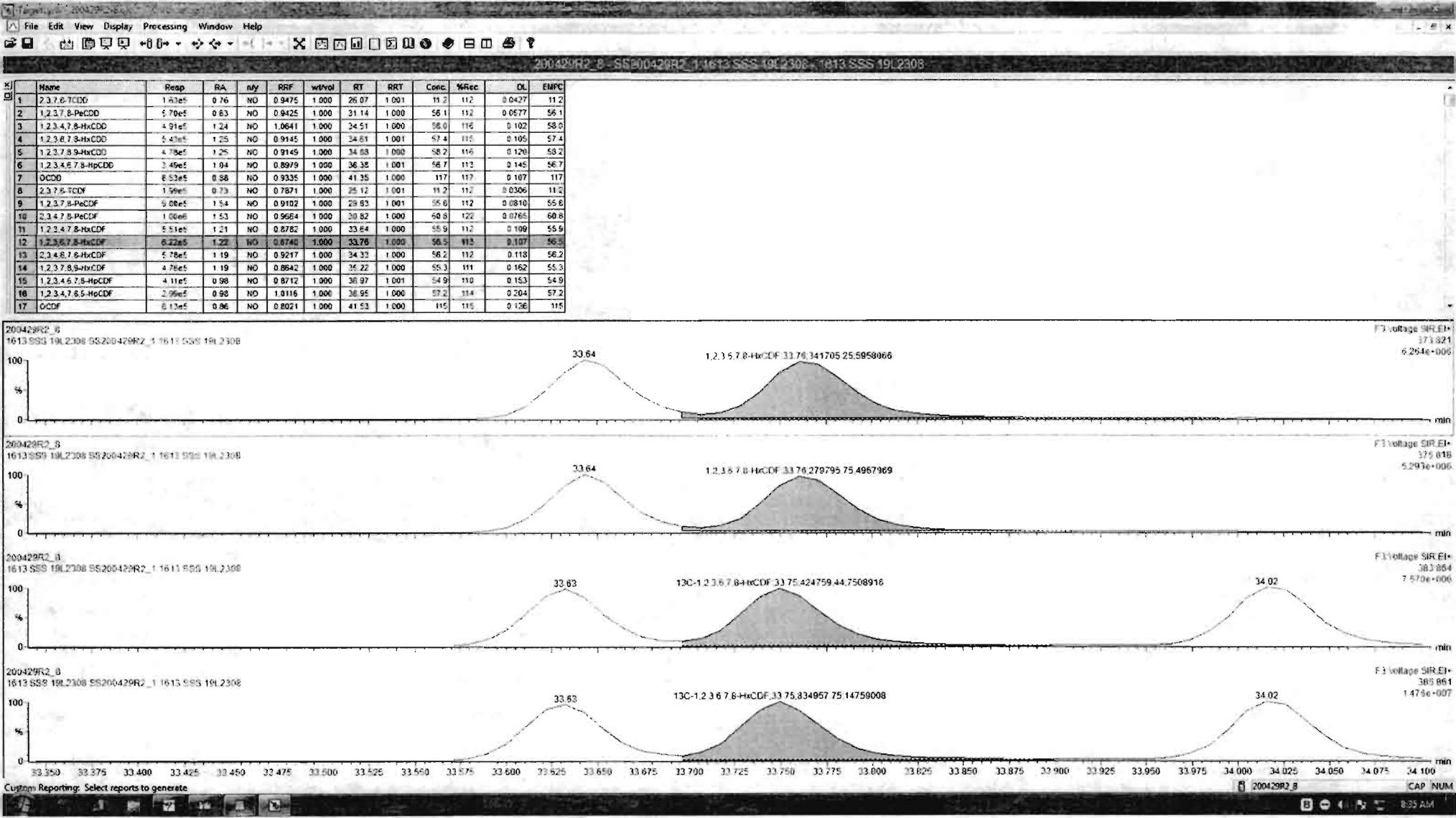
200429R2_8



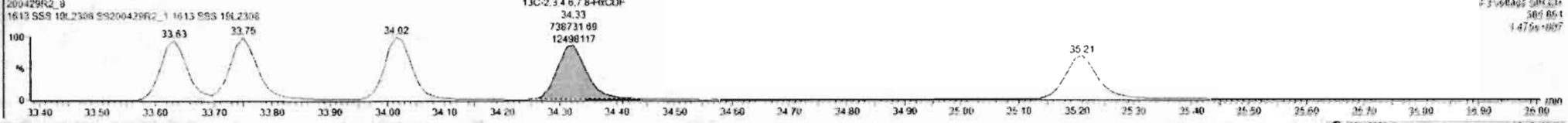
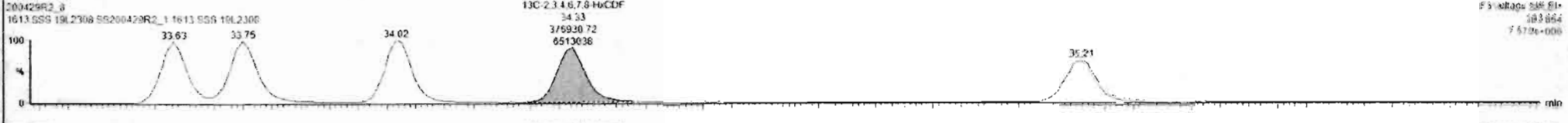
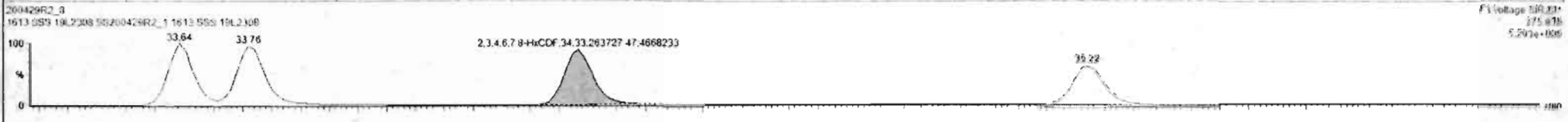
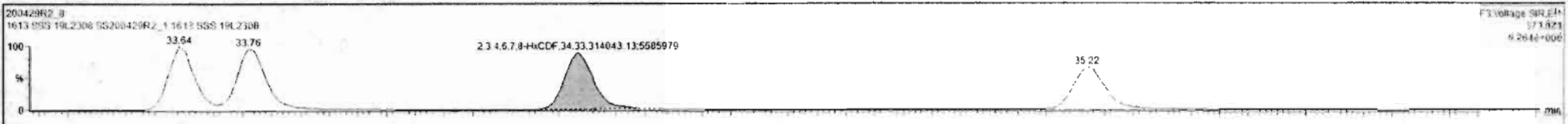
200429R2_8 - SS200429R2_1 1613 SSS 19L2308 - 1613 SSS 19L2308

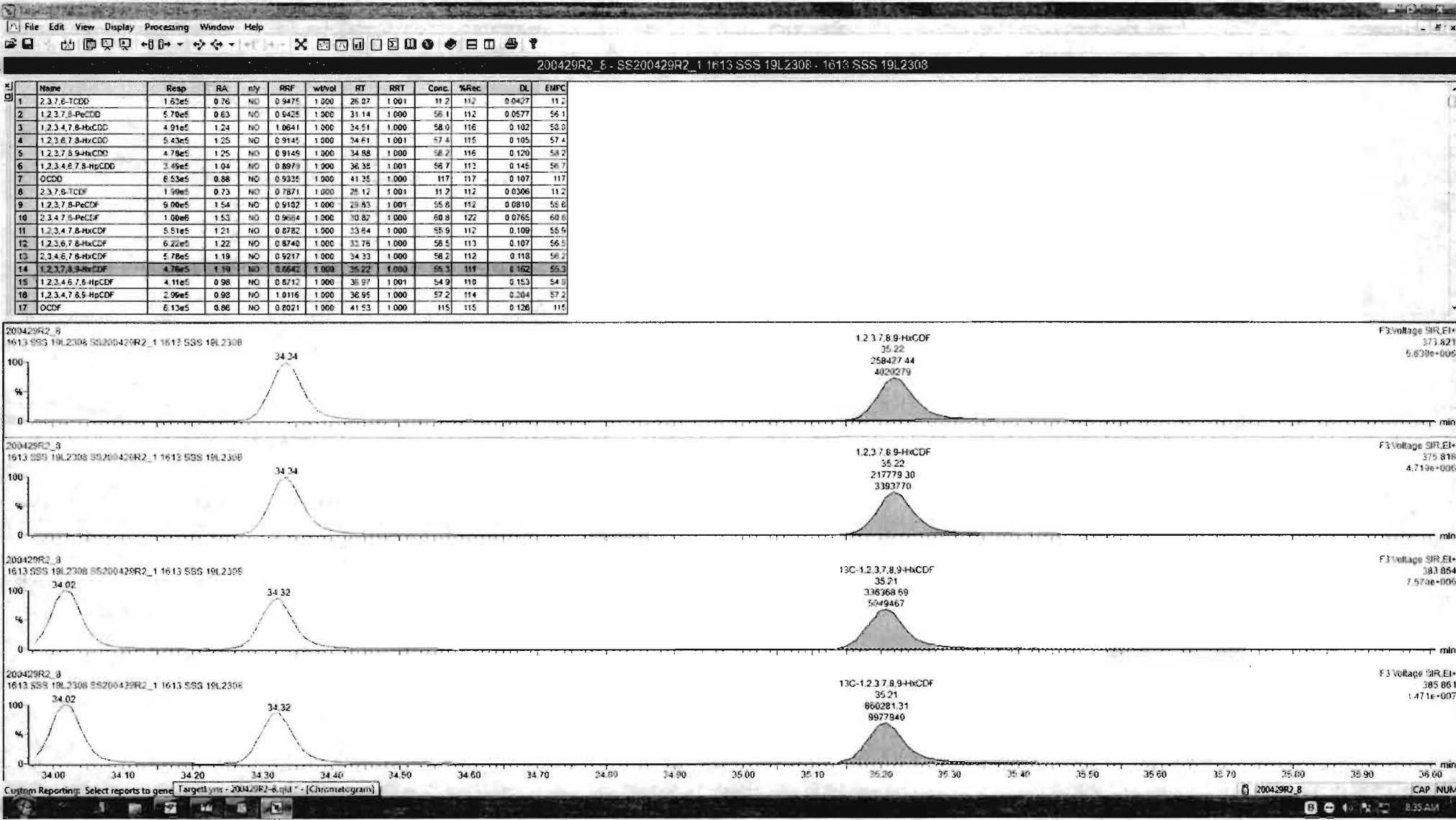
#	Name	Resp	RA	dy	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDF	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	112	0.0427	11.2
2	1,2,3,7,8-PeCDF	5.79e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	112	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	116	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.01	1.001	57.4	115	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.08	1.000	58.2	116	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.36	1.001	56.7	113	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	117	0.107	117
8	2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	112	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.08e5	1.54	NO	0.9192	1.000	29.93	1.001	55.6	112	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	122	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.31	NO	0.6782	1.000	33.64	1.000	55.9	112	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	113	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	112	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.78e5	1.19	NO	0.8542	1.000	35.22	1.000	55.3	111	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	110	0.153	54.9
16	1,2,3,4,7,8,9-HpCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	114	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	115	0.126	115





#	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.7	11.2	0.0427	11.2
2	1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9145	1.000	34.88	1.000	58.2	11.6	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.38	1.001	58.7	11.3	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8	2,3,7,8-TCDF	1.59e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	11.2	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e6	1.52	NO	0.9654	1.000	29.82	1.000	60.8	12.2	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.64	1.000	55.9	11.2	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	11.3	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.79e5	1.18	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	35.22	1.000	55.3	11.1	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	11.0	0.153	54.9
16	1,2,3,4,7,8,9-HoCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	11.4	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.5	0.126	115





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Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

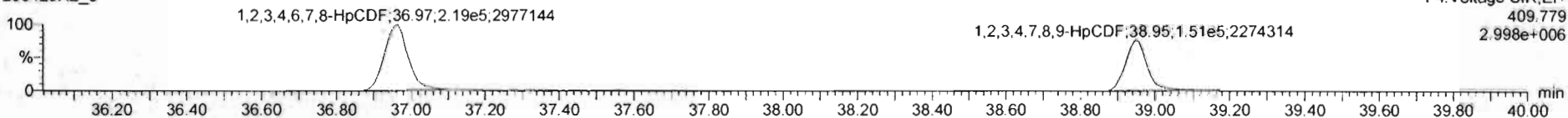
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200429R2_8

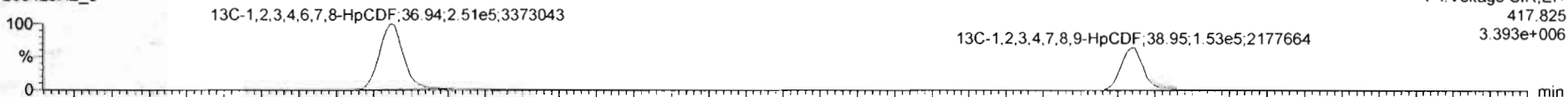


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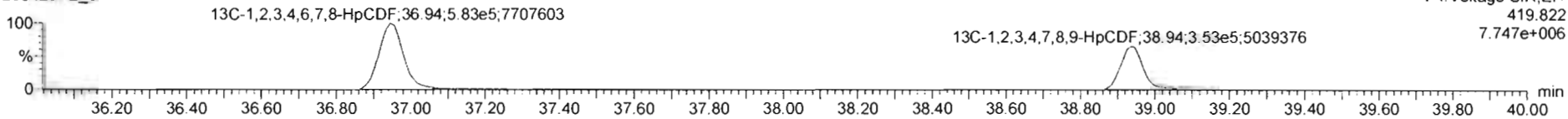


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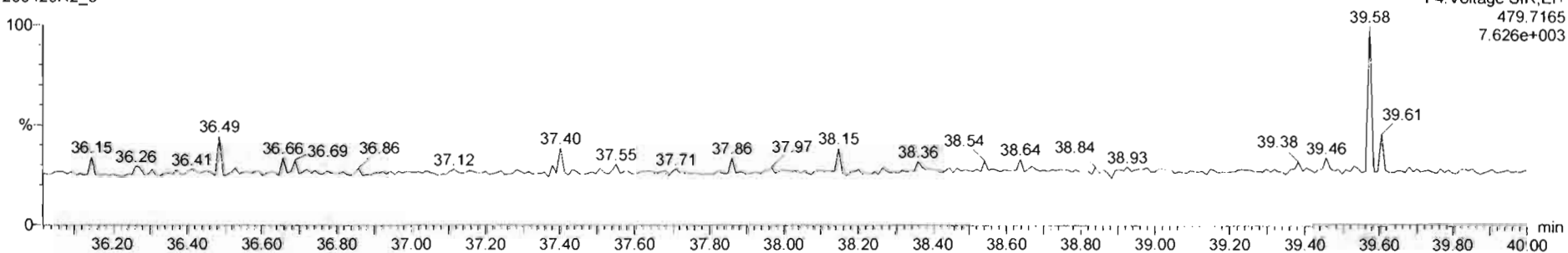


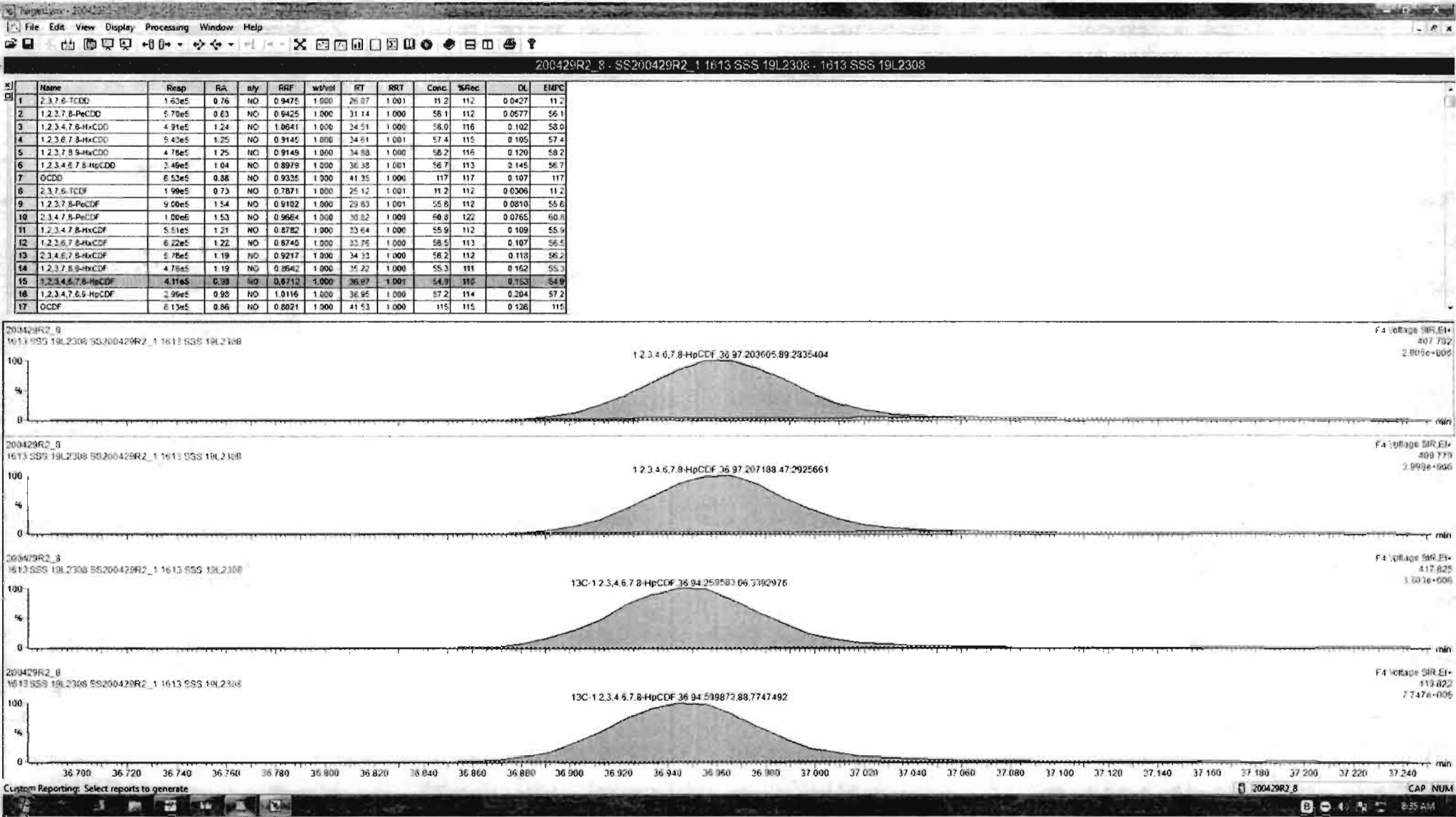
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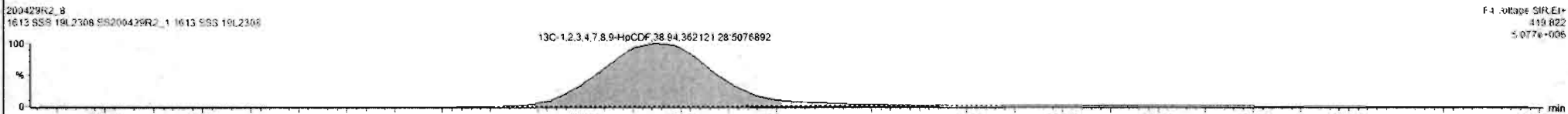
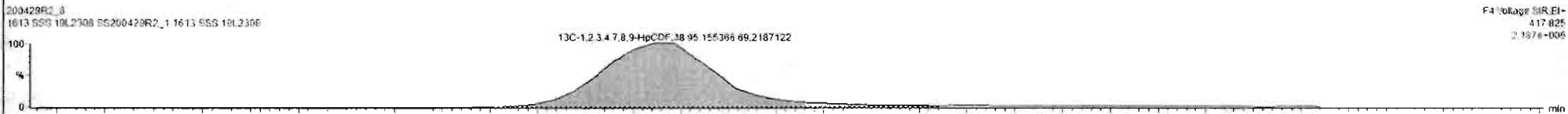
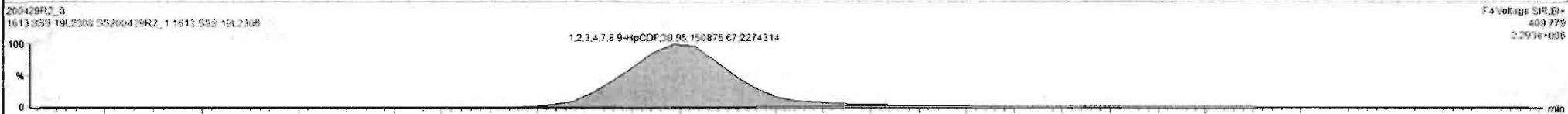
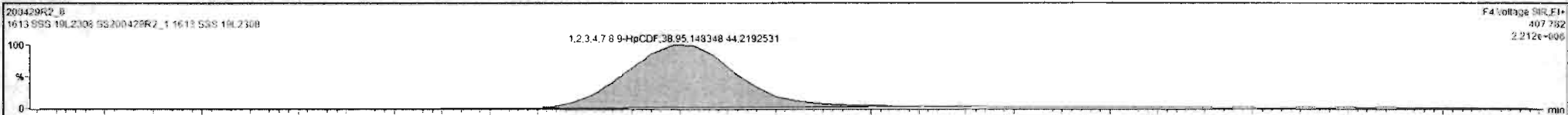
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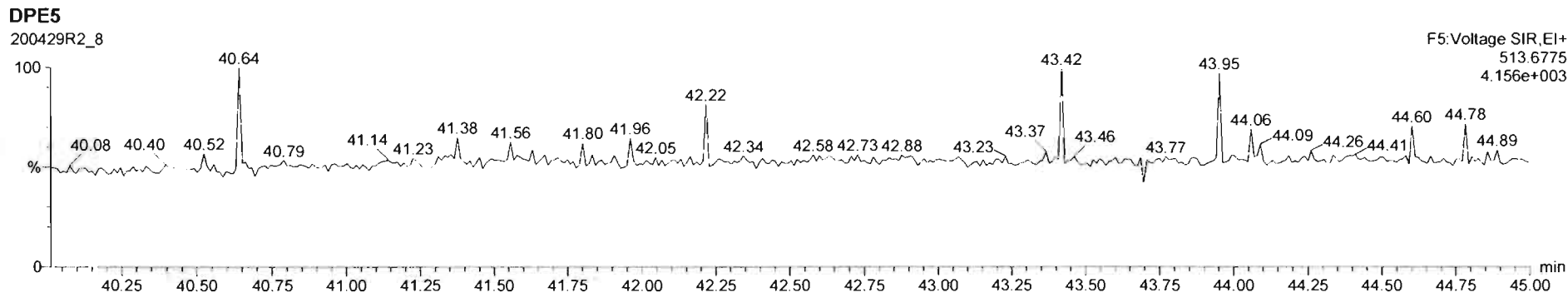
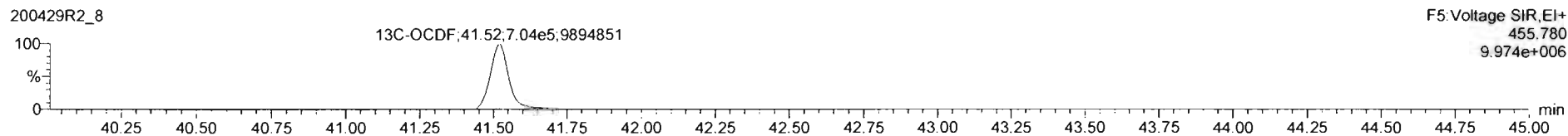
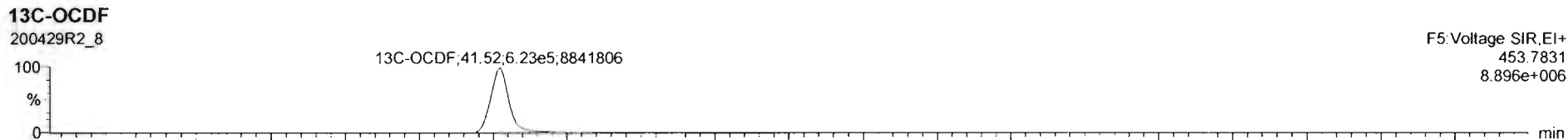
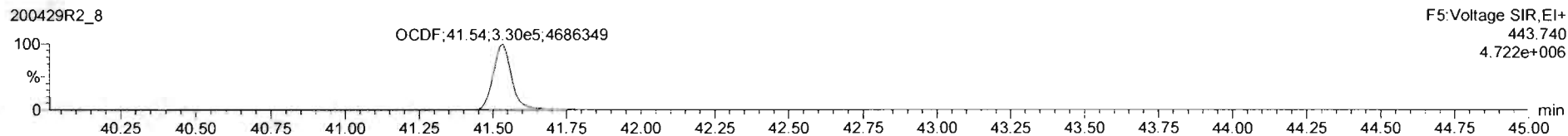
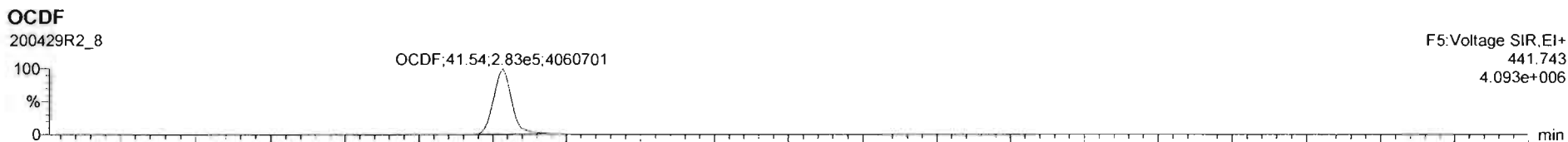
Name	Resp	RA	dy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	11.2	0.0427	11.2
2 1,2,3,7,8-PeCDD	4.70e5	0.83	NO	0.9425	1.000	31.14	1.000	58.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5 1,2,3,7,8,9-HxCDD	4.76e5	1.25	NO	0.9145	1.000	34.68	1.000	58.2	11.6	0.120	58.2
6 1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.35	1.001	56.7	11.2	0.145	56.7
7 OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.63	1.001	55.6	11.2	0.0810	55.6
10 2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	12.2	0.0765	60.8
11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.84	1.000	55.9	11.2	0.109	55.9
12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	58.5	11.3	0.107	56.5
13 2,3,4,6,7,8-HxCDF	4.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	34.22	1.000	55.3	11.1	0.162	55.3
15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.86	NO	0.8712	1.000	35.97	1.001	54.9	11.0	0.153	54.9
16 1,2,3,4,7,8,9-HpCDF	2.95e5	0.96	NO	1.0115	1.000	35.95	1.000	57.2	11.4	0.204	57.2
17 OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.5	0.126	115



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Last Altered: Thursday, April 30, 2020 8:38:20 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

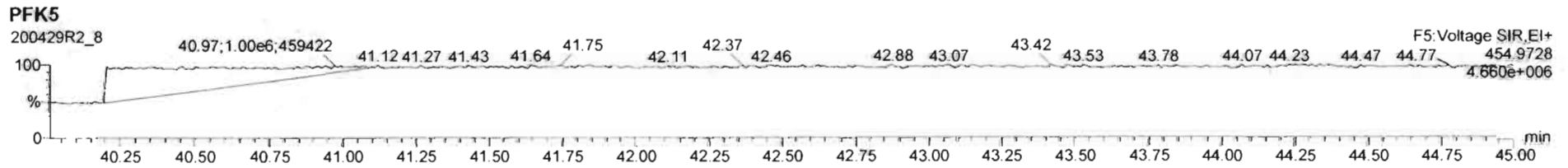
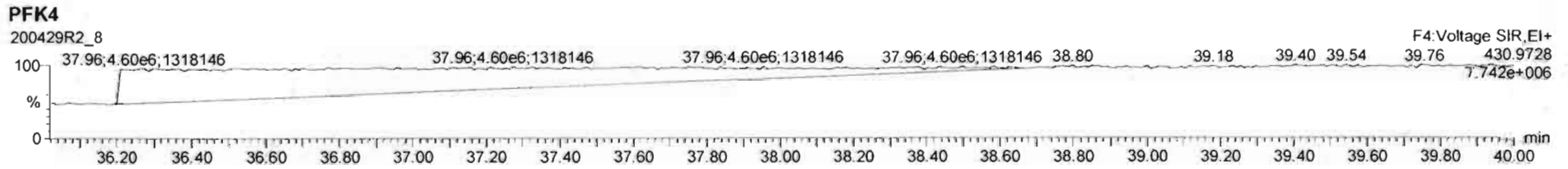
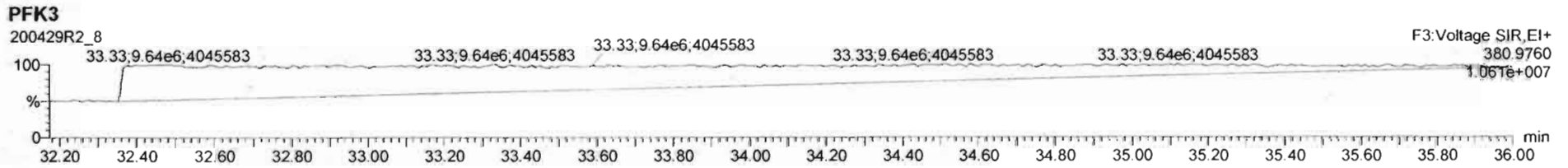
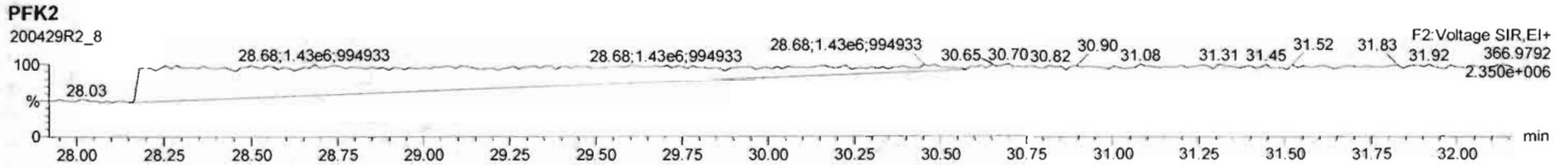
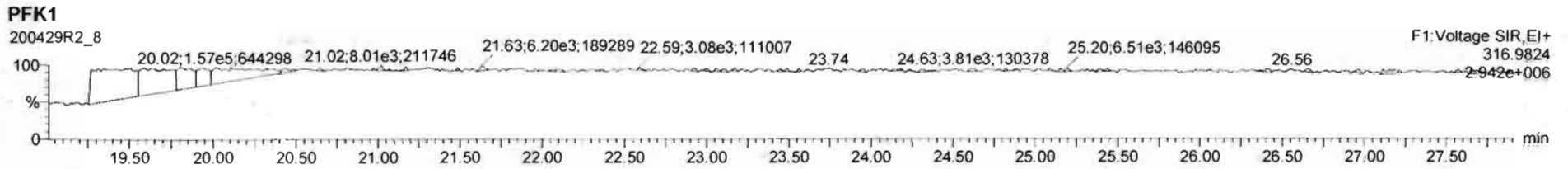


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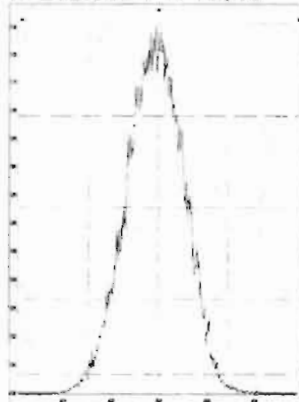
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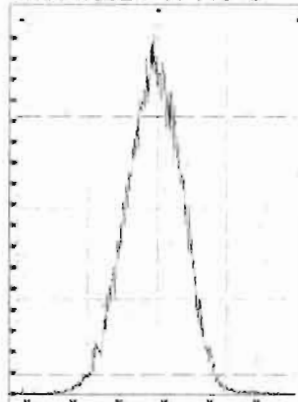
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Printed: Thursday, April 30, 2020 07:17:15 Pacific Daylight Time

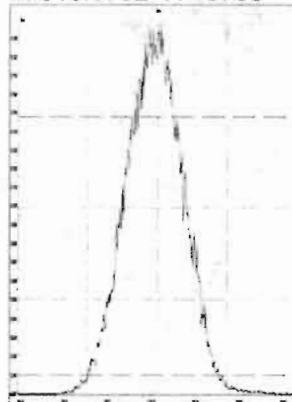
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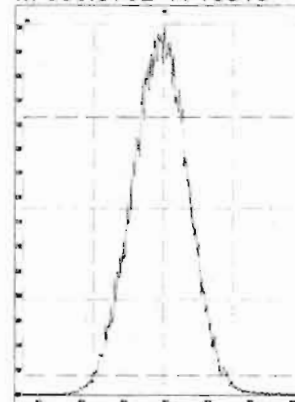
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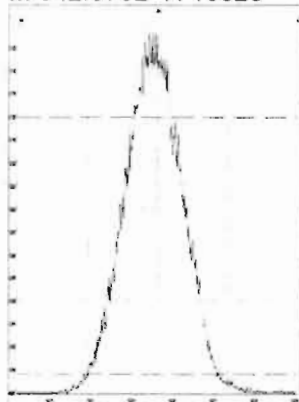
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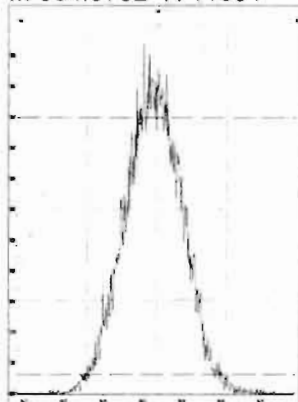
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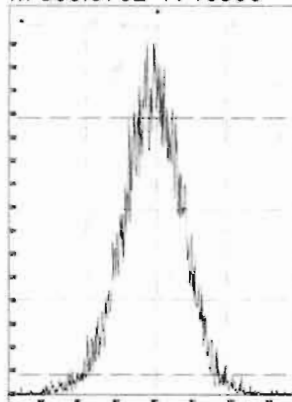
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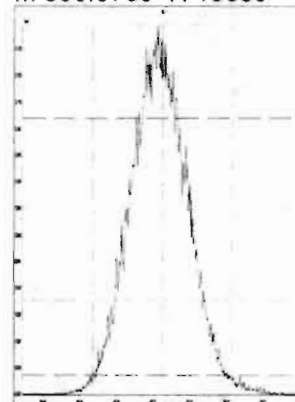
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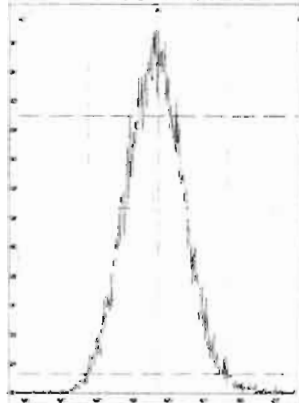
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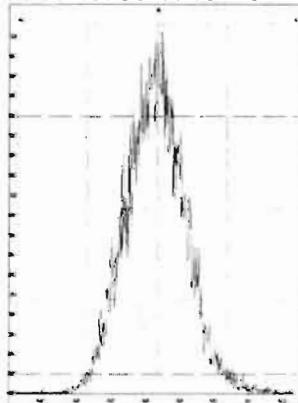
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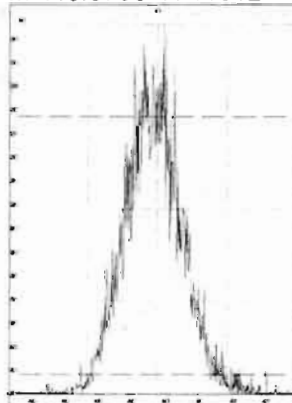
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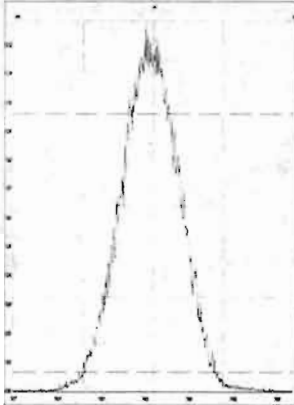
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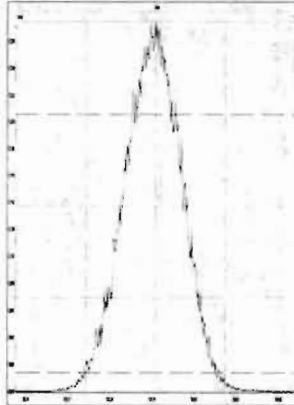
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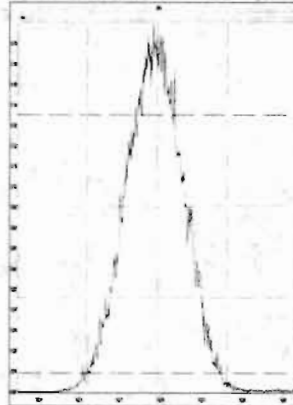
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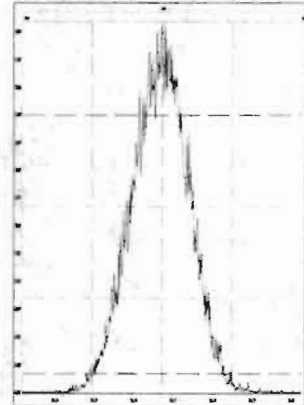
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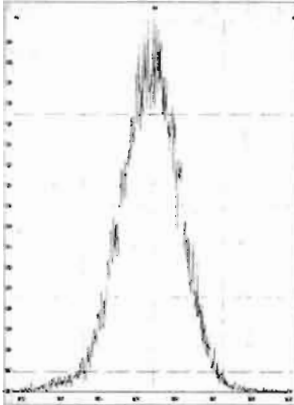
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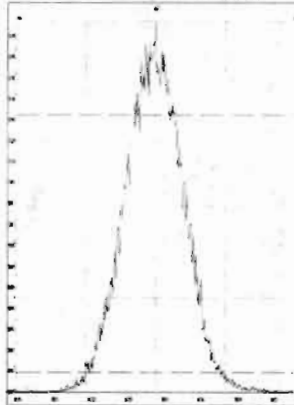
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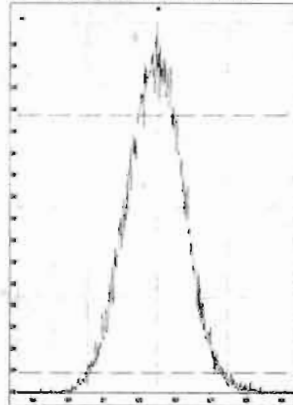
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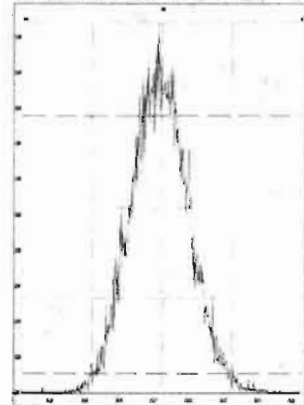
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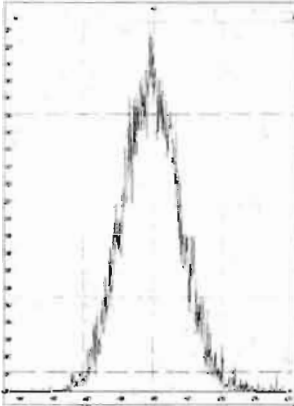
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M 404.9760 R 10730



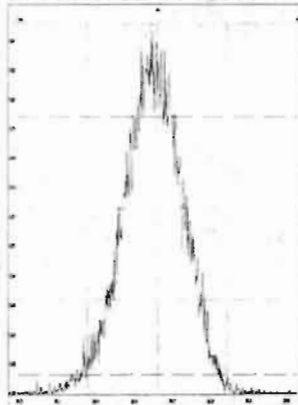
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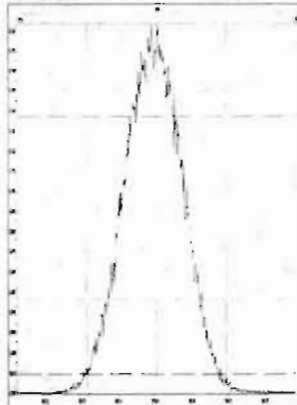
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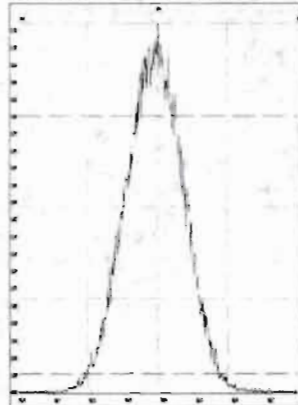
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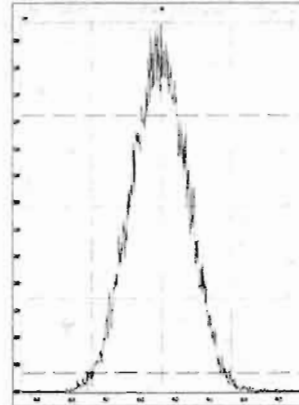
M 380.9760 R 10590



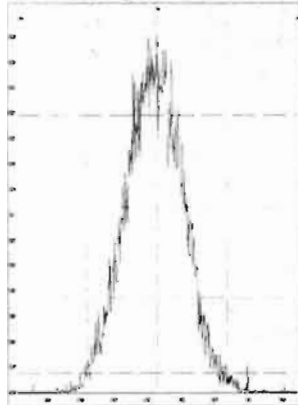
M 392.9760 R 10592



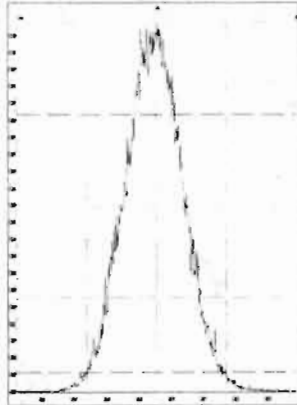
M 404.9760 R 11010



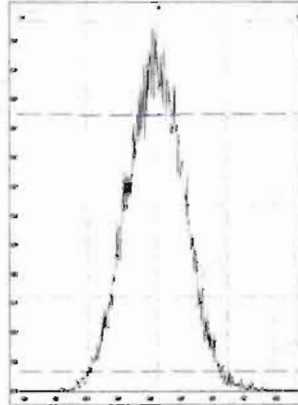
M 416.9760 R 10964



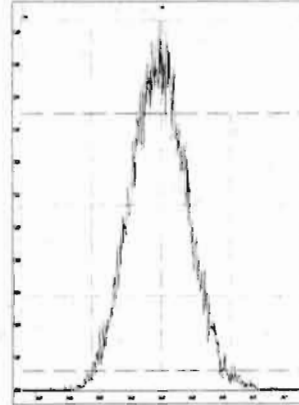
M 430.9728 R 10415



M 442.9728 R 10730



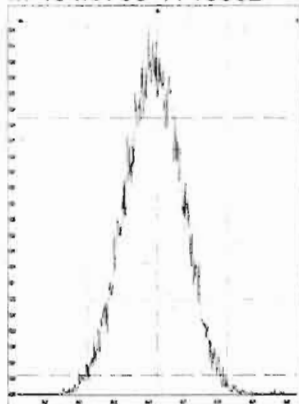
M 454.9728 R 11260



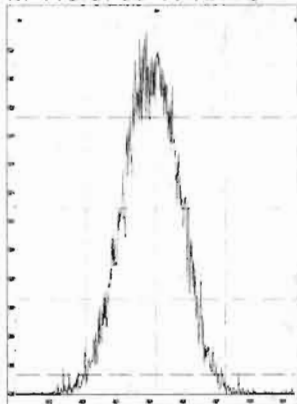
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:18:12 Pacific Daylight Time

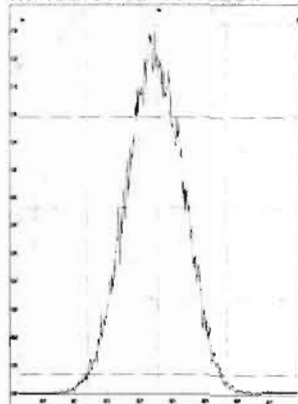
M 404.9760 R 10682



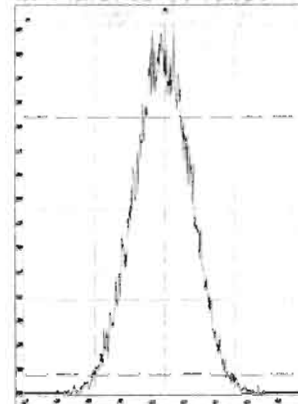
M 416.9760 R 10776



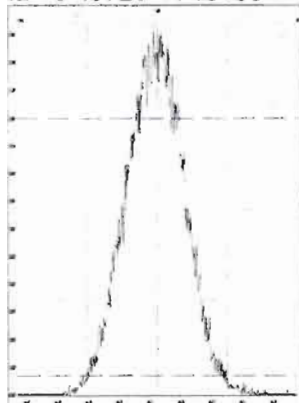
M 430.9728 R 10503



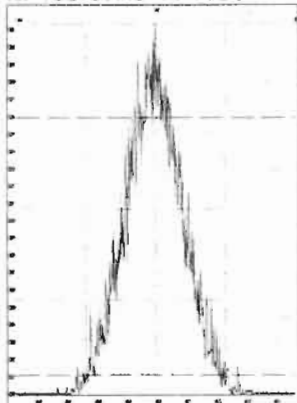
M 442.9728 R 10505



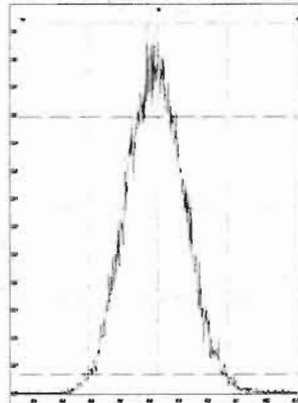
M 454.9728 R 10460



M 466.9728 R 10591



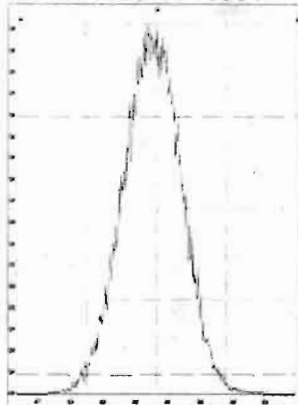
M 480.9696 R 10040



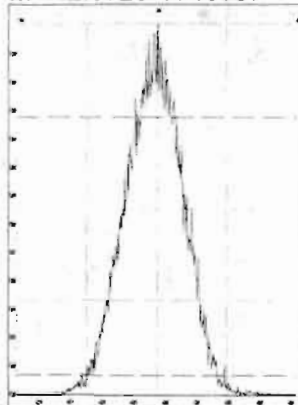
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Printed: Thursday, April 30, 2020 07:18:29 Pacific Daylight Time

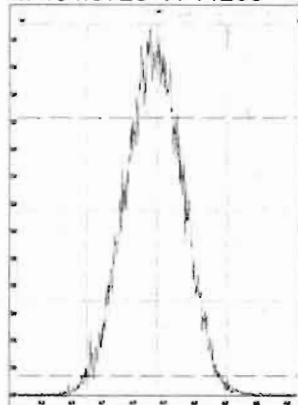
M 430.9728 R 10684



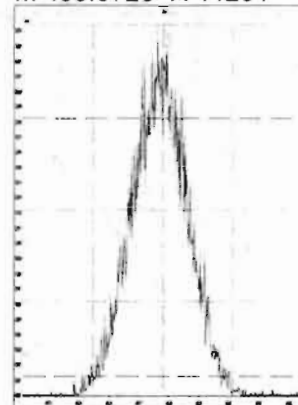
M 442.9728 R 10637



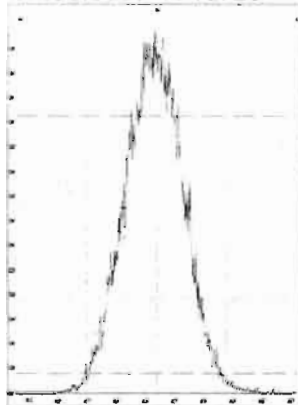
M 454.9728 R 11259



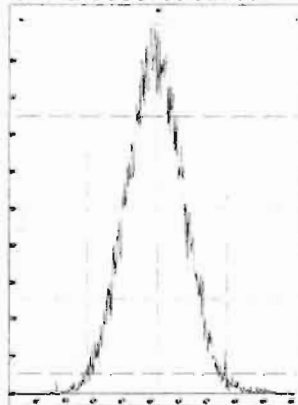
M 466.9728 R 11261



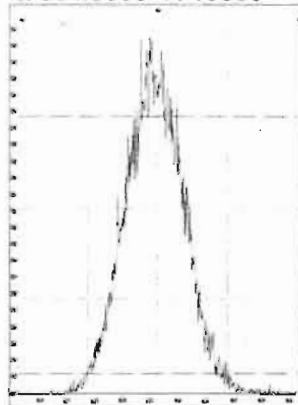
M 480.9696 R 10728



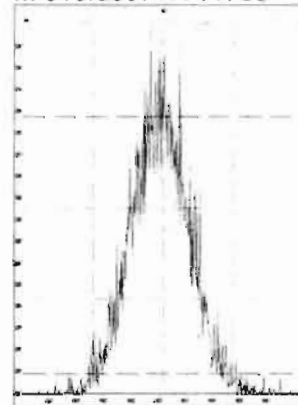
M 492.9696 R 10867



M 504.9696 R 10869



M 516.9697 R 11738



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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GRB 05/29/2020

CI 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

Response Factor: 0.88831
RRF SD: 0.0677802, Relative SD: 7.63025
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	200528R2_1	0.250	0.68	NO	26.54	1.000	2.70e3	1.43e6	0.213	-14.8	0.757	bb
2	200528R2_2	0.500	0.78	NO	26.57	1.001	5.69e3	1.29e6	0.497	-0.6	0.883	bb
3	200528R2_3	2.00	0.80	NO	26.57	1.001	2.40e4	1.31e6	2.06	3.1	0.916	bb
4	200528R2_4	40.0	0.78	NO	26.56	1.001	5.50e5	1.50e6	41.2	3.0	0.915	bb
5	200528R2_5	300	0.78	NO	26.59	1.001	4.32e6	1.52e6	321	6.9	0.949	bb
6	200528R2_6	10.0	0.81	NO	26.59	1.001	1.06e5	1.16e6	10.2	2.4	0.910	dd

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.908065
RRF SD: 0.0455724, Relative SD: 5.01862
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	200528R2_1	1.25	0.66	NO	31.50	1.000	1.03e4	1.00e6	1.12	-10.0	0.817	bb
2	200528R2_2	2.50	0.64	NO	31.51	1.000	2.12e4	9.36e5	2.50	-0.1	0.908	bb
3	200528R2_3	10.0	0.63	NO	31.51	1.000	8.60e4	9.29e5	10.2	1.9	0.926	bb
4	200528R2_4	200	0.63	NO	31.51	1.000	2.06e6	1.11e6	205	2.4	0.930	bb
5	200528R2_5	1500	0.63	NO	31.51	1.000	1.69e7	1.21e6	1550	3.0	0.935	bb
6	200528R2_6	50.0	0.62	NO	31.53	1.001	3.95e5	8.48e5	51.3	2.7	0.932	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.03343

RRF SD: 0.0545572, Relative SD: 5.27925

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	200528R2_1	1.25	1.27	NO	34.86	1.000	8.03e3	6.95e5	1.12	-10.6	0.924	MM
2	200528R2_2	2.50	1.27	NO	34.88	1.000	1.69e4	6.46e5	2.53	1.2	1.05	bd
3	200528R2_3	10.0	1.24	NO	34.88	1.000	6.94e4	6.61e5	10.2	1.6	1.05	bd
4	200528R2_4	200	1.23	NO	34.88	1.001	1.67e6	7.89e5	204	2.1	1.06	MM
5	200528R2_5	1500	1.23	NO	34.88	1.000	1.47e7	9.34e5	1520	1.5	1.05	bd
6	200528R2_6	50.0	1.23	NO	34.89	1.000	3.25e5	6.04e5	52.1	4.1	1.08	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.892293

RRF SD: 0.0561127, Relative SD: 6.28859

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	200528R2_1	1.25	1.23	NO	34.97	1.001	9.27e3	9.27e5	1.12	-10.3	0.800	db
2	200528R2_2	2.50	1.25	NO	34.99	1.001	1.90e4	8.61e5	2.47	-1.1	0.883	db
3	200528R2_3	10.0	1.24	NO	34.99	1.000	8.01e4	8.39e5	10.7	7.0	0.954	db
4	200528R2_4	200	1.22	NO	34.99	1.001	1.92e6	1.03e6	209	4.3	0.931	MM
5	200528R2_5	1500	1.23	NO	34.99	1.000	1.61e7	1.17e6	1550	3.5	0.923	db
6	200528R2_6	50.0	1.24	NO	35.00	1.001	3.51e5	8.15e5	48.3	-3.4	0.862	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.886936

RRF SD: 0.0582559, Relative SD: 6.56822

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	200528R2_1	1.25	1.20	NO	35.25	1.000	8.14e3	8.33e5	1.10	-11.9	0.782	bb
2	200528R2_2	2.50	1.21	NO	35.27	1.001	1.62e4	7.48e5	2.44	-2.3	0.866	bb

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Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.26	NO	35.26	1.000	7.01e4	7.53e5	10.5	4.9	0.931	bb
4	200528R2_4	200	1.20	NO	35.26	1.000	1.70e6	9.12e5	210	4.9	0.931	bb
5	200528R2_5	1500	1.22	NO	35.27	1.000	1.47e7	1.06e6	1570	4.5	0.927	bb
6	200528R2_6	50.0	1.24	NO	35.27	1.000	3.12e5	7.05e5	49.9	-0.2	0.886	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.863903

RRF SD: 0.0694586, Relative SD: 8.04009

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	200528R2_1	1.25	0.99	NO	38.78	1.000	6.10e3	6.48e5	1.09	-12.8	0.753	MM
2	200528R2_2	2.50	1.05	NO	38.81	1.001	1.21e4	6.01e5	2.33	-6.7	0.806	bb
3	200528R2_3	10.0	1.03	NO	38.80	1.000	4.99e4	5.57e5	10.4	3.7	0.896	bd
4	200528R2_4	200	1.02	NO	38.80	1.000	1.25e6	6.86e5	211	5.5	0.911	bb
5	200528R2_5	1500	1.01	NO	38.81	1.000	1.15e7	8.18e5	1620	8.0	0.933	bb
6	200528R2_6	50.0	1.03	NO	38.81	1.000	2.29e5	5.18e5	51.2	2.4	0.884	MM

Compound name: OCDD

Response Factor: 0.913637

RRF SD: 0.0452527, Relative SD: 4.95303

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	200528R2_1	2.50	0.85	NO	41.76	1.000	1.23e4	1.18e6	2.27	-9.1	0.831	bd
2	200528R2_2	5.00	0.83	NO	41.77	1.000	2.39e4	1.05e6	4.97	-0.6	0.908	bd
3	200528R2_3	20.0	0.89	NO	41.78	1.000	9.89e4	1.03e6	21.0	4.9	0.959	MM
4	200528R2_4	400	0.87	NO	41.77	1.000	2.45e6	1.35e6	397	-0.6	0.908	MM
5	200528R2_5	3000	0.84	NO	41.79	1.000	2.37e7	1.67e6	3100	3.2	0.943	MM
6	200528R2_6	100	0.88	NO	41.78	1.000	4.53e5	9.71e5	102	2.2	0.933	MM

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Compound name: 2,3,7,8-TCDF

Response Factor: 0.75098

RF SD: 0.0524401, Relative SD: 6.98288

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	200528R2_1	0.250	0.73	NO	25.67	1.001	3.27e3	1.95e6	0.223	-10.9	0.669	bb
2	200528R2_2	0.500	0.75	NO	25.67	1.001	6.53e3	1.78e6	0.488	-2.3	0.733	bb
3	200528R2_3	2.00	0.74	NO	25.68	1.001	2.67e4	1.80e6	1.97	-1.4	0.740	bb
4	200528R2_4	40.0	0.76	NO	25.68	1.001	6.52e5	2.04e6	42.6	6.5	0.800	bb
5	200528R2_5	300	0.75	NO	25.69	1.001	5.00e6	2.04e6	326	8.6	0.816	bb
6	200528R2_6	10.0	0.74	NO	25.69	1.001	1.19e5	1.59e6	9.96	-0.4	0.748	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.892531

RRF SD: 0.0599961, Relative SD: 6.72201

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	200528R2_1	1.25	1.61	NO	30.20	1.000	1.46e4	1.50e6	1.09	-12.9	0.777	bb
2	200528R2_2	2.50	1.55	NO	30.23	1.000	3.08e4	1.37e6	2.52	0.8	0.900	bd
3	200528R2_3	10.0	1.55	NO	30.23	1.000	1.31e5	1.38e6	10.7	7.0	0.955	bb
4	200528R2_4	200	1.54	NO	30.23	1.000	2.94e6	1.63e6	203	1.4	0.905	bb
5	200528R2_5	1500	1.54	NO	30.23	1.000	2.38e7	1.75e6	1520	1.3	0.904	bb
6	200528R2_6	50.0	1.57	NO	30.25	1.000	5.72e5	1.25e6	51.2	2.5	0.915	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.934777

RRF SD: 0.0507076, Relative SD: 5.42456

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	200528R2_1	1.25	1.56	NO	31.19	1.000	1.48e4	1.42e6	1.12	-10.8	0.834	bb
2	200528R2_2	2.50	1.55	NO	31.21	1.000	3.19e4	1.35e6	2.52	0.8	0.943	bd

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.55	NO	31.21	1.000	1.34e5	1.38e6	10.4	3.7	0.969	bb
4	200528R2_4	200	1.54	NO	31.21	1.000	3.00e6	1.57e6	204	2.2	0.955	bb
5	200528R2_5	1500	1.53	NO	31.21	1.000	2.45e7	1.69e6	1550	3.4	0.967	bb
6	200528R2_6	50.0	1.57	NO	31.22	1.000	5.81e5	1.24e6	50.3	0.7	0.941	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.884459

RRF SD: 0.0674086, Relative SD: 7.62145

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	200528R2_1	1.25	1.25	NO	33.99	1.001	8.98e3	9.42e5	1.08	-13.8	0.762	bd
2	200528R2_2	2.50	1.19	NO	33.99	1.000	1.81e4	8.49e5	2.41	-3.7	0.852	bd
3	200528R2_3	10.0	1.22	NO	34.01	1.001	7.91e4	8.47e5	10.6	5.6	0.934	bd
4	200528R2_4	200	1.18	NO	33.99	1.000	1.87e6	1.02e6	208	3.9	0.919	bd
5	200528R2_5	1500	1.19	NO	34.01	1.000	1.61e7	1.15e6	1590	5.8	0.936	bd
6	200528R2_6	50.0	1.21	NO	34.01	1.000	3.56e5	7.87e5	51.1	2.2	0.904	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.889174

RRF SD: 0.0479606, Relative SD: 5.39384

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	200528R2_1	1.25	1.16	NO	34.11	1.001	1.07e4	1.07e6	1.12	-10.7	0.794	MM
2	200528R2_2	2.50	1.25	NO	34.12	1.000	2.16e4	9.70e5	2.50	0.1	0.890	MM
3	200528R2_3	10.0	1.28	NO	34.12	1.000	9.20e4	1.01e6	10.3	2.7	0.914	MM
4	200528R2_4	200	1.18	NO	34.12	1.001	2.16e6	1.18e6	206	2.8	0.914	db
5	200528R2_5	1500	1.19	NO	34.12	1.000	1.80e7	1.33e6	1520	1.2	0.900	db
6	200528R2_6	50.0	1.25	NO	34.13	1.000	4.22e5	9.14e5	51.9	3.8	0.923	MM

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.934102
 RRF SD: 0.0631666, Relative SD: 6.76228
 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	200528R2_1	1.25	1.09	NO	34.70	1.001	9.51e3	9.22e5	1.10	-11.7	0.825	bb
2	200528R2_2	2.50	1.26	NO	34.71	1.001	1.93e4	8.66e5	2.38	-4.7	0.890	bb
3	200528R2_3	10.0	1.25	NO	34.71	1.000	8.53e4	8.69e5	10.5	5.2	0.982	bd
4	200528R2_4	200	1.19	NO	34.71	1.001	2.00e6	1.04e6	207	3.3	0.965	bb
5	200528R2_5	1500	1.19	NO	34.72	1.001	1.72e7	1.18e6	1560	4.1	0.972	bb
6	200528R2_6	50.0	1.25	NO	34.72	1.000	3.88e5	8.00e5	51.9	3.9	0.971	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.870707
 RRF SD: 0.0533625, Relative SD: 6.12863
 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	200528R2_1	1.25	1.19	NO	35.61	1.001	7.48e3	7.73e5	1.11	-11.0	0.775	bb
2	200528R2_2	2.50	1.12	NO	35.61	1.000	1.48e4	7.04e5	2.42	-3.1	0.844	bb
3	200528R2_3	10.0	1.24	NO	35.62	1.000	6.49e4	7.27e5	10.3	2.5	0.892	bd
4	200528R2_4	200	1.20	NO	35.62	1.001	1.60e6	8.84e5	208	3.9	0.904	bb
5	200528R2_5	1500	1.20	NO	35.63	1.000	1.40e7	1.02e6	1580	5.6	0.919	bb
6	200528R2_6	50.0	1.22	NO	35.63	1.000	2.98e5	6.70e5	51.1	2.2	0.890	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.873391
 RRF SD: 0.0600077, Relative SD: 6.87065
 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	200528R2_1	1.25	1.03	NO	37.37	1.000	6.77e3	7.13e5	1.09	-13.1	0.759	bb
2	200528R2_2	2.50	0.94	NO	37.40	1.001	1.40e4	6.49e5	2.48	-0.9	0.866	bb

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Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.00	NO	37.40	1.001	5.72e4	6.48e5	10.1	1.0	0.883	bd
4	200528R2_4	200	0.99	NO	37.39	1.000	1.43e6	7.67e5	213	6.5	0.930	bb
5	200528R2_5	1500	1.00	NO	37.40	1.000	1.28e7	9.39e5	1560	3.7	0.906	bb
6	200528R2_6	50.0	0.98	NO	37.41	1.001	2.64e5	5.89e5	51.4	2.7	0.897	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.01285

RRF SD: 0.106215, Relative SD: 10.4867

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	200528R2_1	1.25	0.99	NO	39.33	1.001	5.26e3	5.09e5	1.02	-18.4	0.827	bb
2	200528R2_2	2.50	0.98	NO	39.33	1.000	1.03e4	4.36e5	2.33	-6.7	0.945	bb
3	200528R2_3	10.0	1.01	NO	39.34	1.000	4.43e4	4.19e5	10.4	4.3	1.06	MM
4	200528R2_4	200	0.98	NO	39.33	1.000	1.13e6	5.18e5	214	7.2	1.09	bb
5	200528R2_5	1500	1.00	NO	39.34	1.000	1.05e7	6.39e5	1620	8.2	1.10	bb
6	200528R2_6	50.0	0.98	NO	39.34	1.000	2.00e5	3.75e5	52.7	5.4	1.07	bb

Compound name: OCDF

Response Factor: 0.806476

RRF SD: 0.0306481, Relative SD: 3.80025

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	200528R2_1	2.50	0.87	NO	41.96	1.000	1.27e4	1.35e6	2.33	-6.6	0.753	bb
2	200528R2_2	5.00	0.84	NO	41.96	1.000	2.40e4	1.22e6	4.89	-2.2	0.789	bb
3	200528R2_3	20.0	0.86	NO	41.96	1.000	9.80e4	1.18e6	20.6	3.0	0.831	bb
4	200528R2_4	400	0.87	NO	41.96	1.000	2.54e6	1.57e6	402	0.5	0.810	bb
5	200528R2_5	3000	0.88	NO	41.98	1.000	2.39e7	1.92e6	3090	3.1	0.831	bb
6	200528R2_6	100	0.85	NO	41.97	1.000	4.44e5	1.08e6	102	2.3	0.825	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.15633

RRF SD: 0.0999567, Relative SD: 8.64433

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	200528R2_1	100	0.80	NO	26.54	1.026	1.43e6	1.11e6	111	11.2	1.29	bb
2	200528R2_2	100	0.79	NO	26.54	1.025	1.29e6	1.24e6	89.8	-10.2	1.04	bb
3	200528R2_3	100	0.79	NO	26.54	1.025	1.31e6	1.26e6	89.8	-10.2	1.04	bb
4	200528R2_4	100	0.79	NO	26.54	1.025	1.50e6	1.26e6	103	2.8	1.19	bb
5	200528R2_5	100	0.78	NO	26.56	1.025	1.52e6	1.24e6	106	5.5	1.22	bb
6	200528R2_6	100	0.79	NO	26.56	1.025	1.16e6	9.95e5	101	0.8	1.17	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.848975

RRF SD: 0.0899186, Relative SD: 10.5914

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	200528R2_1	100	0.64	NO	31.48	1.216	1.00e6	1.11e6	107	6.6	0.905	bb
2	200528R2_2	100	0.63	NO	31.50	1.216	9.36e5	1.24e6	88.7	-11.3	0.753	bb
3	200528R2_3	100	0.63	NO	31.50	1.216	9.29e5	1.26e6	86.8	-13.2	0.737	bb
4	200528R2_4	100	0.64	NO	31.50	1.216	1.11e6	1.26e6	103	3.3	0.877	bb
5	200528R2_5	100	0.64	NO	31.50	1.215	1.21e6	1.24e6	114	14.3	0.970	bb
6	200528R2_6	100	0.64	NO	31.50	1.215	8.48e5	9.95e5	100	0.3	0.852	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.778953

RRF SD: 0.096377, Relative SD: 12.3726

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	200528R2_1	100	1.27	NO	34.85	1.014	6.95e5	8.40e5	106	6.2	0.827	bd
2	200528R2_2	100	1.28	NO	34.87	1.014	6.46e5	9.66e5	85.9	-14.1	0.669	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	200528R2_3	100	1.27	NO	34.87	1.014	6.61e5	9.75e5	87.0	-13.0	0.678	bd
4	200528R2_4	100	1.28	NO	34.86	1.014	7.89e5	9.81e5	103	3.4	0.805	bd
5	200528R2_5	100	1.28	NO	34.87	1.014	9.34e5	1.01e6	119	18.6	0.924	bd
6	200528R2_6	100	1.27	NO	34.88	1.014	6.04e5	7.84e5	98.9	-1.1	0.770	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 1.01669

RRF SD: 0.116266, Relative SD: 11.4358

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	200528R2_1	100	1.27	NO	34.95	1.017	9.27e5	8.40e5	108	8.5	1.10	db
2	200528R2_2	100	1.27	NO	34.96	1.017	8.61e5	9.66e5	87.7	-12.3	0.891	db
3	200528R2_3	100	1.26	NO	34.97	1.017	8.39e5	9.75e5	84.7	-15.3	0.861	db
4	200528R2_4	100	1.25	NO	34.96	1.017	1.03e6	9.81e5	104	3.5	1.05	db
5	200528R2_5	100	1.27	NO	34.97	1.017	1.17e6	1.01e6	113	13.4	1.15	db
6	200528R2_6	100	1.23	NO	34.97	1.017	8.15e5	7.84e5	102	2.3	1.04	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.902653

RRF SD: 0.11238, Relative SD: 12.45

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	200528R2_1	100	1.23	NO	35.24	1.025	8.33e5	8.40e5	110	9.8	0.991	bb
2	200528R2_2	100	1.26	NO	35.25	1.025	7.48e5	9.66e5	85.8	-14.2	0.774	bb
3	200528R2_3	100	1.28	NO	35.25	1.025	7.53e5	9.75e5	85.6	-14.4	0.773	bd
4	200528R2_4	100	1.23	NO	35.25	1.025	9.12e5	9.81e5	103	3.1	0.930	MM
5	200528R2_5	100	1.26	NO	35.26	1.025	1.06e6	1.01e6	116	16.1	1.05	bb
6	200528R2_6	100	1.18	NO	35.26	1.025	7.05e5	7.84e5	99.6	-0.4	0.899	bb

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

Response Factor: 0.689179
 RRF SD: 0.0899136, Relative SD: 13.0465
 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	200528R2_1	100	1.06	NO	38.77	1.128	6.48e5	8.40e5	112	11.9	0.771	MM
2	200528R2_2	100	1.04	NO	38.78	1.128	6.01e5	9.66e5	90.2	-9.8	0.622	bd
3	200528R2_3	100	1.12	NO	38.79	1.128	5.57e5	9.75e5	83.0	-17.0	0.572	bd
4	200528R2_4	100	1.04	NO	38.78	1.128	6.86e5	9.81e5	102	1.6	0.700	MM
5	200528R2_5	100	1.03	NO	38.80	1.128	8.18e5	1.01e6	117	17.4	0.809	bb
6	200528R2_6	100	1.04	NO	38.80	1.128	5.18e5	7.84e5	95.9	-4.1	0.661	bd

Compound name: 13C-OCDD

Response Factor: 0.652099
 RRF SD: 0.111511, Relative SD: 17.1002
 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	200528R2_1	200	0.89	NO	41.75	1.215	1.18e6	8.40e5	216	7.8	0.703	MM
2	200528R2_2	200	0.89	NO	41.76	1.215	1.05e6	9.66e5	167	-16.3	0.546	MM
3	200528R2_3	200	0.91	NO	41.76	1.214	1.03e6	9.75e5	162	-18.9	0.529	bd
4	200528R2_4	200	0.90	NO	41.76	1.215	1.35e6	9.81e5	211	5.7	0.689	bd
5	200528R2_5	200	0.93	NO	41.78	1.215	1.67e6	1.01e6	254	26.9	0.827	bd
6	200528R2_6	200	0.88	NO	41.77	1.215	9.71e5	7.84e5	190	-5.1	0.619	bd

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.05898
 RRF SD: 0.0854755, Relative SD: 8.07146
 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	200528R2_1	100	0.76	NO	25.65	0.991	1.95e6	1.65e6	112	12.1	1.19	bb
2	200528R2_2	100	0.77	NO	25.66	0.991	1.78e6	1.83e6	92.1	-7.9	0.975	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	200528R2_3	100	0.78	NO	25.66	0.991	1.80e6	1.89e6	90.1	-9.9	0.955	bb
4	200528R2_4	100	0.78	NO	25.66	0.991	2.04e6	1.91e6	101	1.0	1.07	bb
5	200528R2_5	100	0.78	NO	25.67	0.991	2.04e6	1.85e6	104	4.2	1.10	bb
6	200528R2_6	100	0.77	NO	25.68	0.991	1.59e6	1.49e6	101	0.5	1.06	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.837982

RRF SD: 0.0870192, Relative SD: 10.3844

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	200528R2_1	100	1.59	NO	30.20	1.167	1.50e6	1.65e6	109	9.0	0.913	bb
2	200528R2_2	100	1.59	NO	30.22	1.167	1.37e6	1.83e6	89.3	-10.7	0.748	bb
3	200528R2_3	100	1.59	NO	30.22	1.167	1.38e6	1.89e6	86.9	-13.1	0.728	bb
4	200528R2_4	100	1.61	NO	30.22	1.167	1.63e6	1.91e6	102	1.9	0.854	bb
5	200528R2_5	100	1.63	NO	30.22	1.166	1.75e6	1.85e6	113	12.9	0.946	bb
6	200528R2_6	100	1.60	NO	30.23	1.166	1.25e6	1.49e6	100	0.0	0.838	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.816557

RRF SD: 0.0702322, Relative SD: 8.60101

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	200528R2_1	100	1.60	NO	31.18	1.204	1.42e6	1.65e6	106	5.9	0.865	db
2	200528R2_2	100	1.57	NO	31.19	1.204	1.35e6	1.83e6	90.7	-9.3	0.741	db
3	200528R2_3	100	1.61	NO	31.19	1.204	1.38e6	1.89e6	89.4	-10.6	0.730	db
4	200528R2_4	100	1.61	NO	31.19	1.204	1.57e6	1.91e6	101	1.0	0.825	db
5	200528R2_5	100	1.60	NO	31.19	1.204	1.69e6	1.85e6	112	11.5	0.911	bb
6	200528R2_6	100	1.59	NO	31.21	1.204	1.24e6	1.49e6	101	1.4	0.828	db

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00752

RRF SD: 0.115021, Relative SD: 11.4162

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	200528R2_1	100	0.50	NO	33.97	0.988	9.42e5	8.40e5	111	11.3	1.12	bd
2	200528R2_2	100	0.50	NO	33.98	0.988	8.49e5	9.66e5	87.2	-12.8	0.878	bd
3	200528R2_3	100	0.50	NO	33.98	0.988	8.47e5	9.75e5	86.2	-13.8	0.869	bd
4	200528R2_4	100	0.50	NO	33.98	0.988	1.02e6	9.81e5	103	3.0	1.04	bd
5	200528R2_5	100	0.50	NO	33.99	0.988	1.15e6	1.01e6	113	12.7	1.14	bd
6	200528R2_6	100	0.50	NO	33.99	0.988	7.87e5	7.84e5	99.6	-0.4	1.00	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.16702

RRF SD: 0.127304, Relative SD: 10.9085

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	200528R2_1	100	0.50	NO	34.09	0.992	1.07e6	8.40e5	110	9.5	1.28	db
2	200528R2_2	100	0.51	NO	34.11	0.992	9.70e5	9.66e5	86.1	-13.9	1.00	db
3	200528R2_3	100	0.51	NO	34.11	0.992	1.01e6	9.75e5	88.5	-11.5	1.03	db
4	200528R2_4	100	0.51	NO	34.10	0.992	1.18e6	9.81e5	103	3.1	1.20	db
5	200528R2_5	100	0.51	NO	34.11	0.992	1.33e6	1.01e6	113	13.0	1.32	db
6	200528R2_6	100	0.50	NO	34.12	0.992	9.14e5	7.84e5	99.8	-0.2	1.17	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02186

RRF SD: 0.110658, Relative SD: 10.829

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	200528R2_1	100	0.51	NO	34.68	1.009	9.22e5	8.40e5	107	7.4	1.10	bb
2	200528R2_2	100	0.50	NO	34.69	1.009	8.66e5	9.66e5	87.7	-12.3	0.896	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	200528R2_3	100	0.51	NO	34.70	1.009	8.69e5	9.75e5	87.2	-12.8	0.891	bb
4	200528R2_4	100	0.51	NO	34.69	1.009	1.04e6	9.81e5	104	3.6	1.06	bb
5	200528R2_5	100	0.50	NO	34.70	1.009	1.18e6	1.01e6	114	14.3	1.17	bb
6	200528R2_6	100	0.51	NO	34.71	1.009	8.00e5	7.84e5	99.8	-0.2	1.02	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.859541

RRF SD: 0.107178, Relative SD: 12.4692

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	200528R2_1	100	0.51	NO	35.59	1.036	7.73e5	8.40e5	107	7.0	0.919	MM
2	200528R2_2	100	0.50	NO	35.61	1.036	7.04e5	9.66e5	84.8	-15.2	0.729	MM
3	200528R2_3	100	0.50	NO	35.61	1.036	7.27e5	9.75e5	86.8	-13.2	0.746	MM
4	200528R2_4	100	0.49	NO	35.60	1.036	8.84e5	9.81e5	105	4.9	0.902	bb
5	200528R2_5	100	0.51	NO	35.62	1.036	1.02e6	1.01e6	117	17.3	1.01	bb
6	200528R2_6	100	0.51	NO	35.63	1.036	6.70e5	7.84e5	99.3	-0.7	0.854	bd

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

Response Factor: 0.774499

RRF SD: 0.102271, Relative SD: 13.2048

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	200528R2_1	100	0.44	NO	37.37	1.087	7.13e5	8.40e5	110	9.6	0.849	bd
2	200528R2_2	100	0.42	NO	37.38	1.087	6.49e5	9.66e5	86.7	-13.3	0.672	bb
3	200528R2_3	100	0.44	NO	37.38	1.087	6.48e5	9.75e5	85.9	-14.1	0.665	bd
4	200528R2_4	100	0.44	NO	37.38	1.087	7.67e5	9.81e5	101	0.9	0.782	bb
5	200528R2_5	100	0.44	NO	37.39	1.087	9.39e5	1.01e6	120	19.9	0.928	bd
6	200528R2_6	100	0.43	NO	37.39	1.087	5.89e5	7.84e5	97.0	-3.0	0.751	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
 Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.520991

RRF SD: 0.083066, Relative SD: 15.9439

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	200528R2_1	100	0.43	NO	39.31	1.144	5.09e5	8.40e5	116	16.3	0.606	MM
2	200528R2_2	100	0.42	NO	39.32	1.144	4.36e5	9.66e5	86.7	-13.3	0.452	bb
3	200528R2_3	100	0.42	NO	39.33	1.144	4.19e5	9.75e5	82.5	-17.5	0.430	MM
4	200528R2_4	100	0.42	NO	39.32	1.144	5.18e5	9.81e5	101	1.4	0.529	MM
5	200528R2_5	100	0.44	NO	39.33	1.144	6.39e5	1.01e6	121	21.3	0.632	bb
6	200528R2_6	100	0.43	NO	39.34	1.144	3.75e5	7.84e5	91.8	-8.2	0.478	bd

Compound name: 13C-OCDF

Response Factor: 0.745653

RRF SD: 0.129429, Relative SD: 17.3579

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	200528R2_1	200	0.87	NO	41.94	1.220	1.35e6	8.40e5	215	7.6	0.803	bb
2	200528R2_2	200	0.83	NO	41.95	1.220	1.22e6	9.66e5	169	-15.4	0.631	bb
3	200528R2_3	200	0.90	NO	41.96	1.220	1.18e6	9.75e5	162	-18.8	0.605	bd
4	200528R2_4	200	0.88	NO	41.95	1.220	1.57e6	9.81e5	215	7.3	0.800	MM
5	200528R2_5	200	0.88	NO	41.97	1.220	1.92e6	1.01e6	254	27.2	0.949	bb
6	200528R2_6	200	0.90	NO	41.96	1.220	1.08e6	7.84e5	184	-7.9	0.687	MM

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.03685

RRF SD: 0.126311, Relative SD: 12.1822

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	200528R2_1	0.250			26.57	1.027	2.71e3	1.11e6	0.235	-5.9	0.976	bb
2	200528R2_2	0.500			26.56	1.025	5.67e3	1.24e6	0.440	-11.9	0.913	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	2.00			26.57	1.026	2.30e4	1.26e6	1.76	-12.0	0.912	bd
4	200528R2_4	40.0			26.56	1.025	5.78e5	1.26e6	44.1	10.2	1.14	bb
5	200528R2_5	200			26.57	1.025	3.03e6	1.24e6	235	17.7	1.22	bb
6	200528R2_6	10.0			26.59	1.026	1.05e5	9.95e5	10.2	2.1	1.06	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	200528R2_1	100	0.80	NO	25.89	1.000	1.11e6	1.11e6	100	0.0	1.00	bb
2	200528R2_2	100	0.81	NO	25.90	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
3	200528R2_3	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
4	200528R2_4	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
5	200528R2_5	100	0.80	NO	25.92	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
6	200528R2_6	100	0.80	NO	25.92	1.000	9.95e5	9.95e5	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	200528R2_1	100	0.78	NO	24.22	1.000	1.65e6	1.65e6	100	0.0	1.00	bb
2	200528R2_2	100	0.78	NO	24.22	1.000	1.83e6	1.83e6	100	0.0	1.00	bb
3	200528R2_3	100	0.78	NO	24.22	1.000	1.89e6	1.89e6	100	0.0	1.00	bb
4	200528R2_4	100	0.79	NO	24.22	1.000	1.91e6	1.91e6	100	0.0	1.00	bb
5	200528R2_5	100	0.79	NO	24.24	1.000	1.85e6	1.85e6	100	0.0	1.00	bb
6	200528R2_6	100	0.77	NO	24.24	1.000	1.49e6	1.49e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.50	NO	34.37	1.000	8.40e5	8.40e5	100	0.0	1.00	bb
2	200528R2_2	100	0.51	NO	34.38	1.000	9.66e5	9.66e5	100	0.0	1.00	bb
3	200528R2_3	100	0.51	NO	34.39	1.000	9.75e5	9.75e5	100	0.0	1.00	bb
4	200528R2_4	100	0.51	NO	34.38	1.000	9.81e5	9.81e5	100	0.0	1.00	bb
5	200528R2_5	100	0.51	NO	34.39	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
6	200528R2_6	100	0.50	NO	34.39	1.000	7.84e5	7.84e5	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.59
2	2 1,2,8,9-TCDD (Last)	27.53
3	3 1,2,4,7,9-PeCDD (First)	29.32
4	4 1,2,3,8,9-PeCDD (Last)	31.89
5	5 1,2,4,6,7,9-HxCDD (First)	33.39
6	6 1,2,3,7,8,9-HxCDD (Last)	35.27
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.81
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.81
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.68
11	11 1,3,4,6,8-PeCDF (First)	27.64
12	12 1,2,3,8,9-PeCDF (Last)	32.14
13	13 1,2,3,4,6,8-HxCDF (First)	32.83
14	14 1,2,3,7,8,9-HxCDF (Last)	35.63
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.41
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.34

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

GRB 05/29/2020

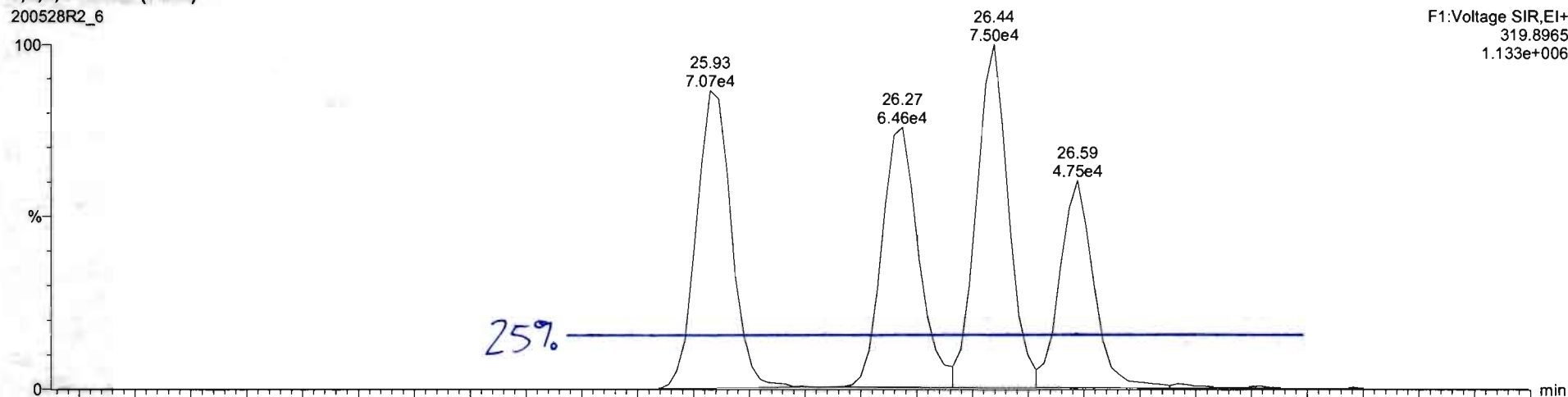
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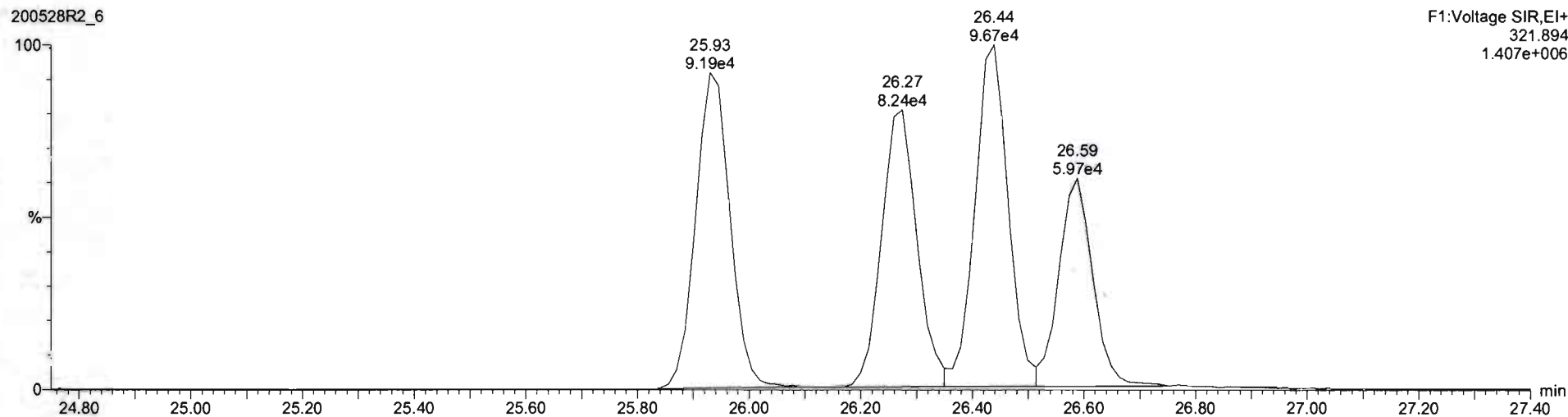
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1,3,6,8-TCDD (First)

200528R2_6



200528R2_6



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, May 29, 2020 8:08:41 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 8:08:46 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200528R2_1	ST200528R2_1 1613 CS0 19L2302	28-May-20	11:53:52
2	200528R2_2	ST200528R2_2 1613 CS1 19L2303	28-May-20	12:41:31
3	200528R2_3	ST200528R2_3 1613 CS2 19L2304	28-May-20	13:28:43
4	200528R2_4	ST200528R2_4 1613 CS4 19L2306	28-May-20	14:15:50
5	200528R2_5	ST200528R2_5 1613 CS5 19L2307	28-May-20	15:02:56
6	200528R2_6	ST200528R2_6 1613 CS3 19L2305	28-May-20	15:50:32
7	200528R2_7	SOLVENT BLANK	28-May-20	16:37:46
8	200528R2_8	SS200528R2_1 1613 SSS 19L2308	28-May-20	17:24:01
9	200528R2_9	B0E0131-BS1 OPR 1	28-May-20	18:10:13
10	200528R2_10	B0E0165-BS1 OPR 1	28-May-20	18:56:26
11	200528R2_11	B0E0127-BS1 OPR 1	28-May-20	19:42:36
12	200528R2_12	B0E0180-BS1 OPR 10	28-May-20	20:28:48
13	200528R2_13	SOLVENT BLANK	28-May-20	21:15:00
14	200528R2_14	B0E0180-BLK1 Method Blank 10	28-May-20	22:01:12
15	200528R2_15	B0E0131-BLK1 Method Blank 1	28-May-20	22:47:24
16	200528R2_16	B0E0165-BLK1 Method Blank 1	28-May-20	23:33:37
17	200528R2_17	B0E0127-BLK1 Method Blank 1	29-May-20	00:19:48
18	200528R2_18	2001052-01 ZID-001 1.00002	29-May-20	01:06:00
19	200528R2_19	2001031-01 Forebay Composite (24hr) 0.95078	29-May-20	01:52:12
20	200528R2_20	2001092-01 OF-031A BiWeekly Composite D/...	29-May-20	02:38:24

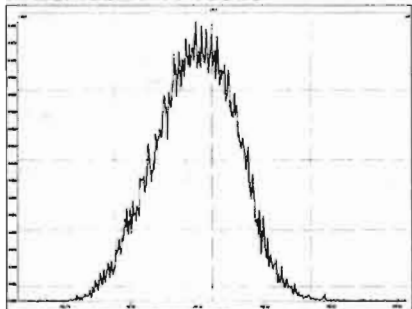
Experiment Calibration Report

MassLynx 4.1 SCN815

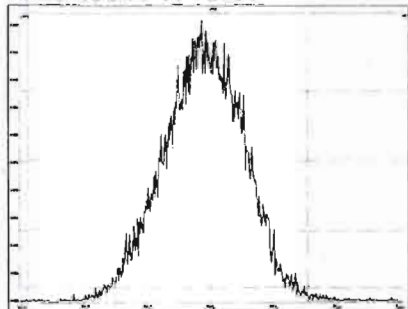
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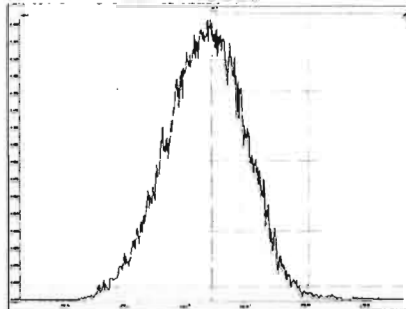
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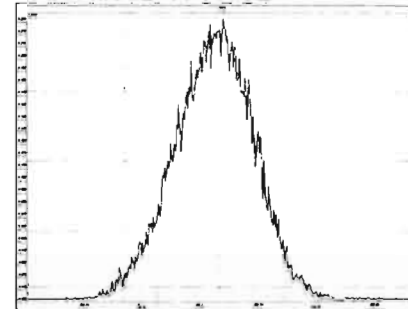
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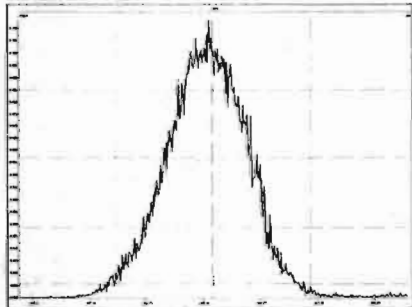
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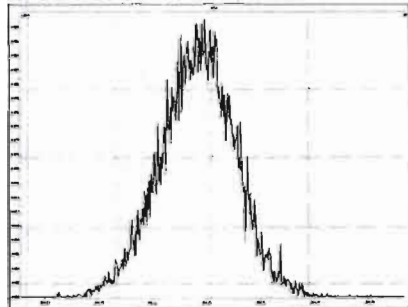
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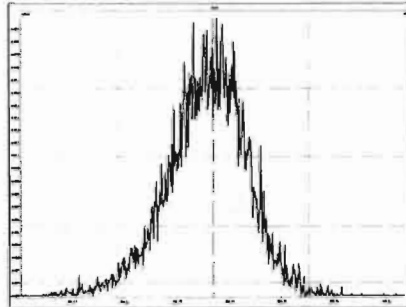
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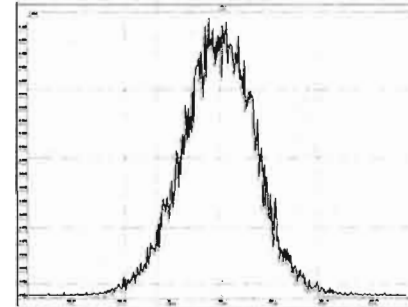
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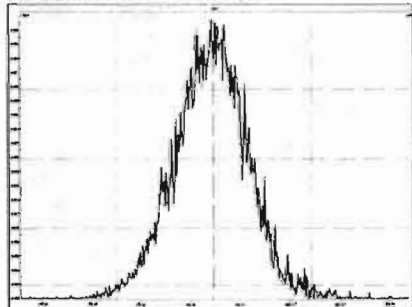
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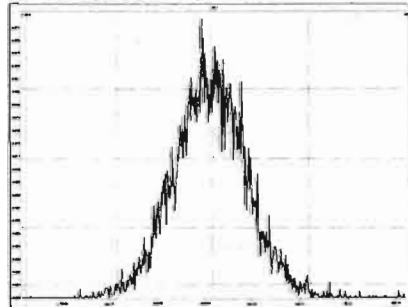
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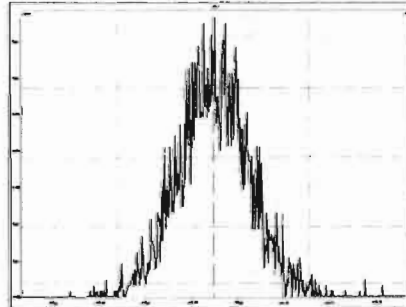
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M 404.9760 R 12316



M 416.9760 R 12754



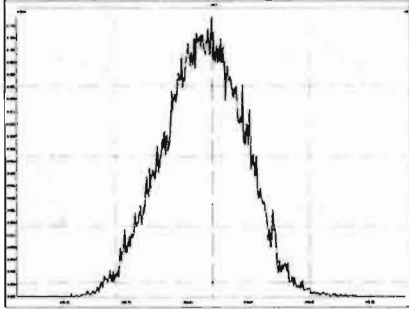
Experiment Calibration Report

MassLynx 4.1 SCN815

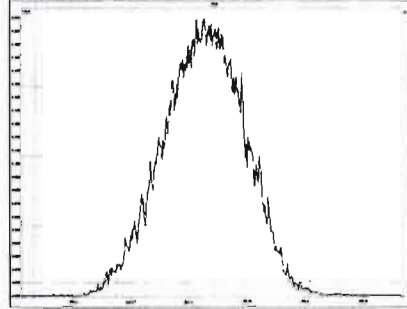
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Printed: Thursday, May 28, 2020 11:49:33 Pacific Daylight Time

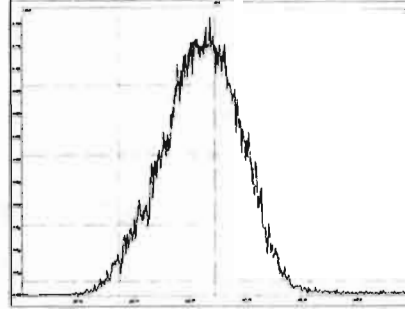
M 318.9792 R 10247



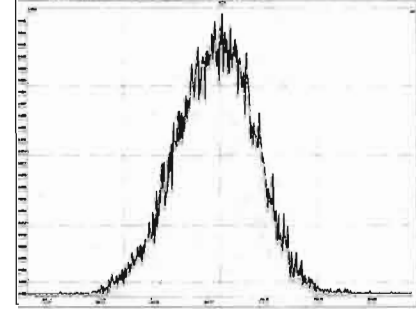
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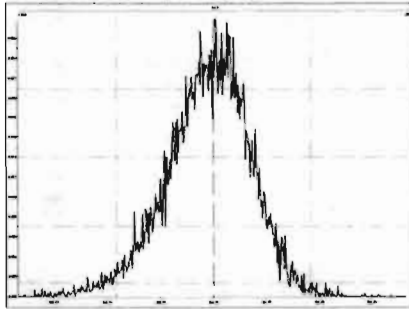
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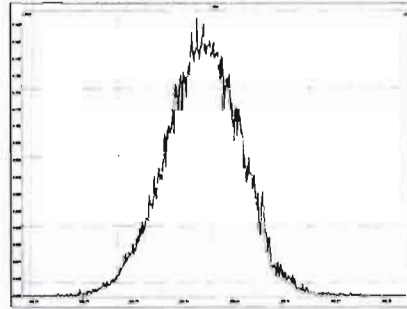
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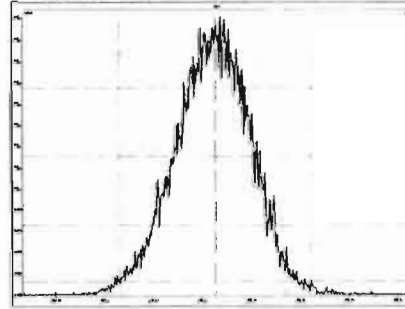
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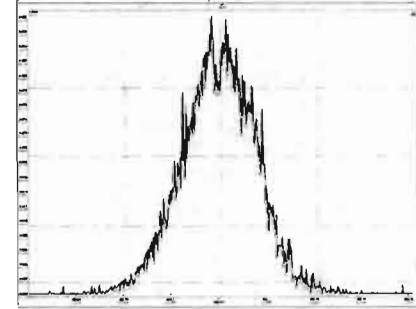
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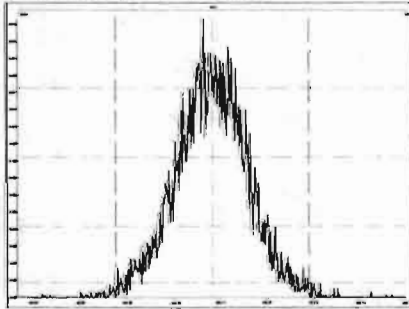
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M 416.9760 R 12018



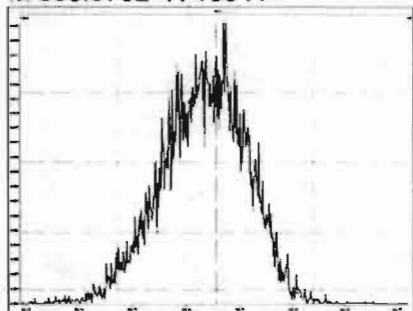
Experiment Calibration Report

MassLynx 4.1 SCN815

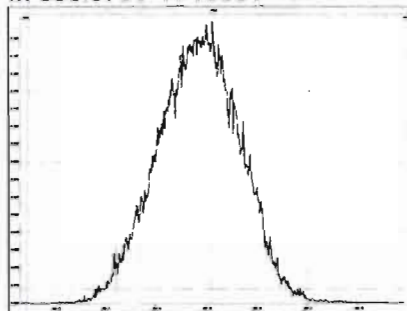
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Printed: Thursday, May 28, 2020 11:50:12 Pacific Daylight Time

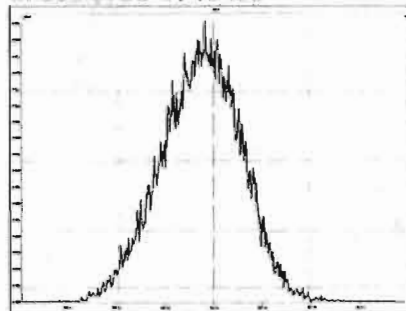
M 366.9792 R 10641



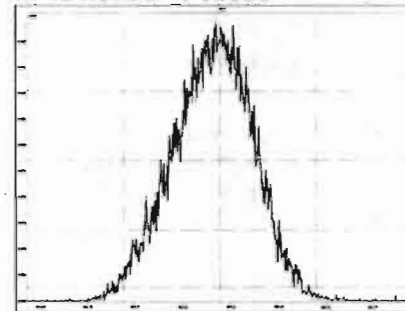
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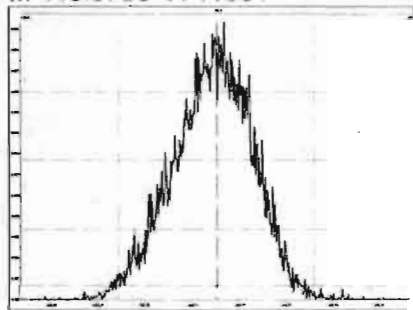
M 392.9760 R 10459



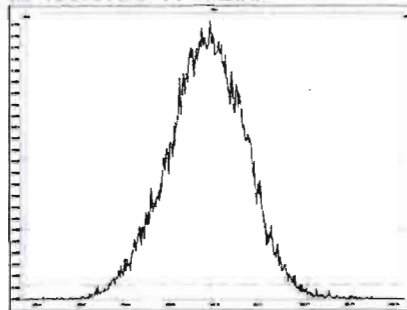
M 404.9760 R 10505



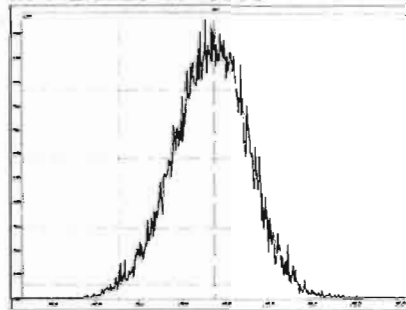
M 416.9760 R 11061



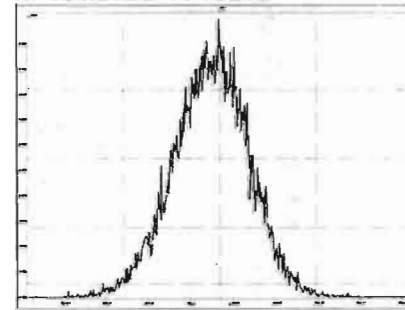
M 430.9728 R 10290



M 442.9728 R 10593



M 454.9728 R 10919



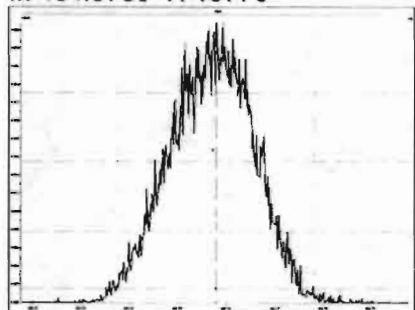
Experiment Calibration Report

MassLynx 4.1 SCN815

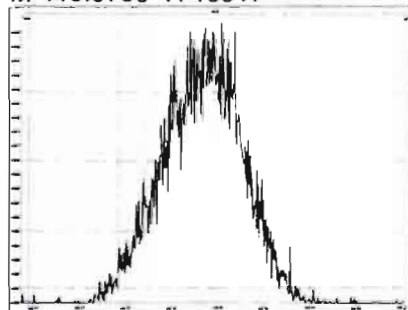
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Printed: Thursday, May 28, 2020 11:51:03 Pacific Daylight Time

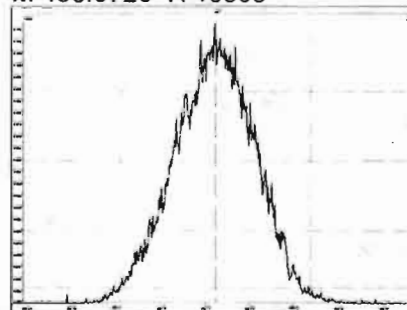
M 404.9760 R 10778



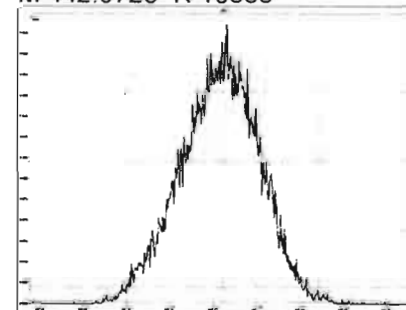
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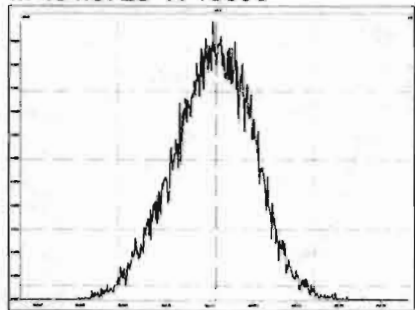
M 430.9728 R 10503



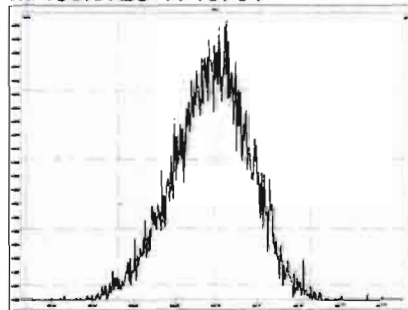
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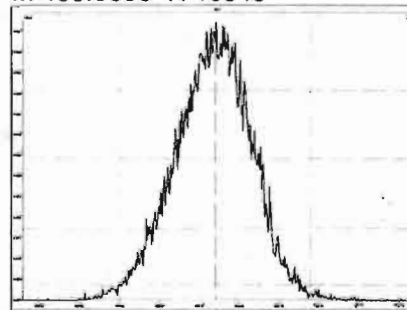
M 454.9728 R 10638



M 466.9728 R 10731



M 480.9696 R 10545



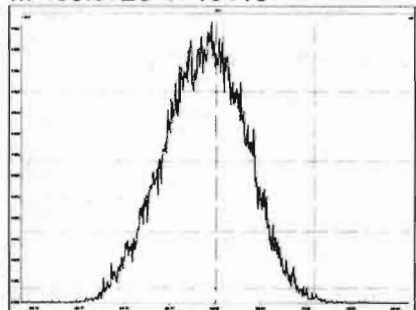
Experiment Calibration Report

MassLynx 4.1 SCN815

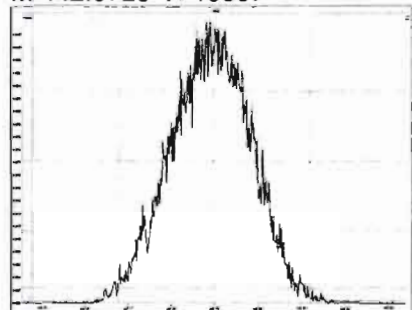
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:45 Pacific Daylight Time

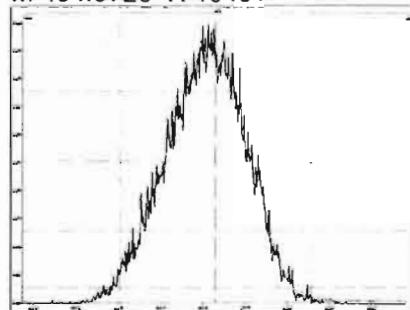
M 430.9728 R 10118



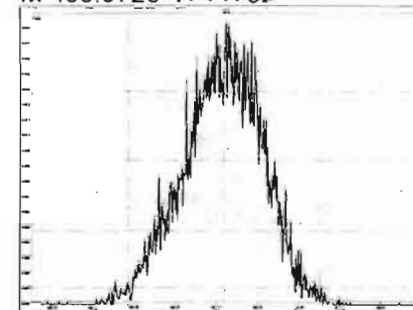
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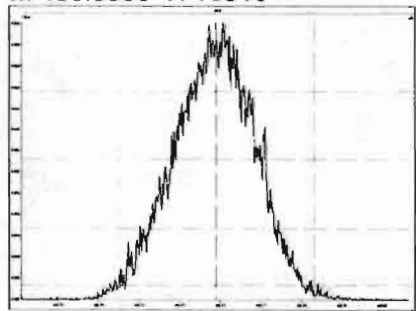
M 454.9728 R 10461



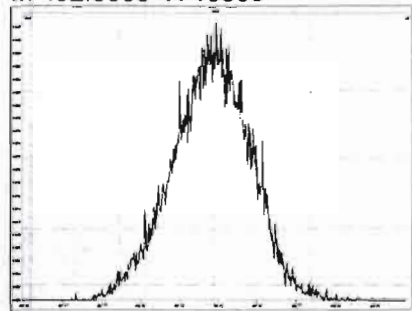
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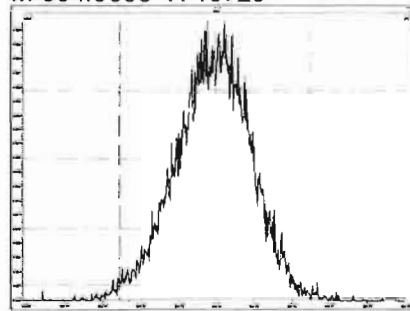
M 480.9696 R 10915



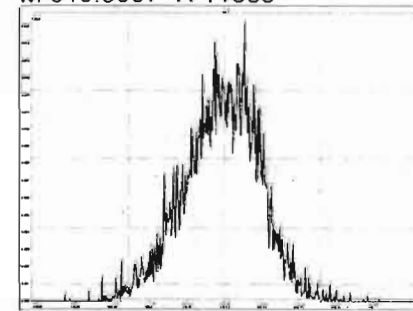
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M 504.9696 R 10729



M 516.9697 R 11683



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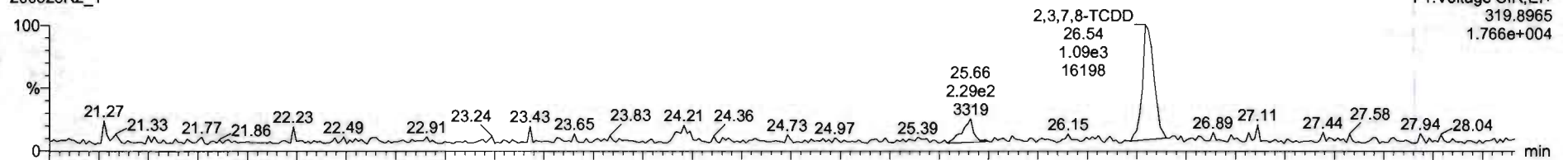
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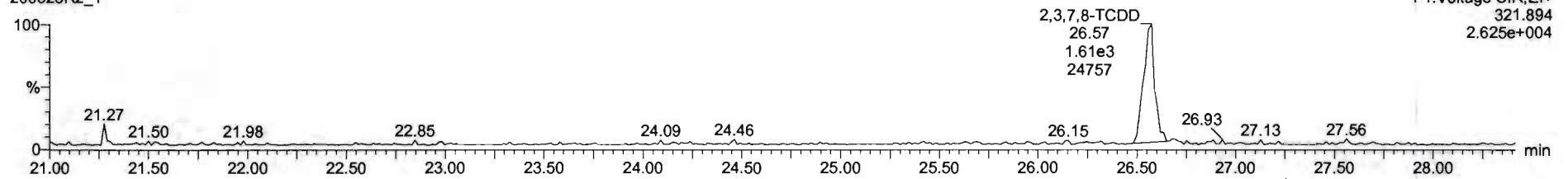
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2,3,7,8-TCDD

200528R2_1

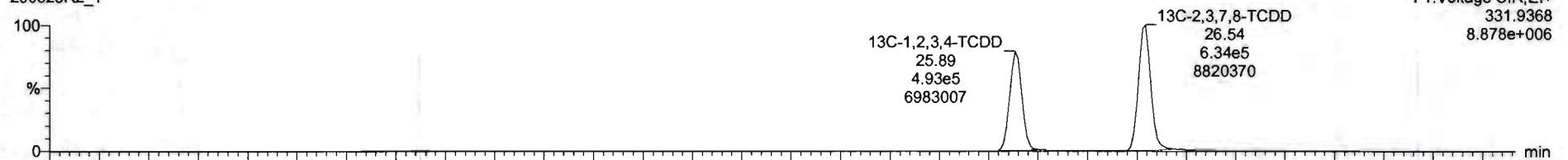


200528R2_1

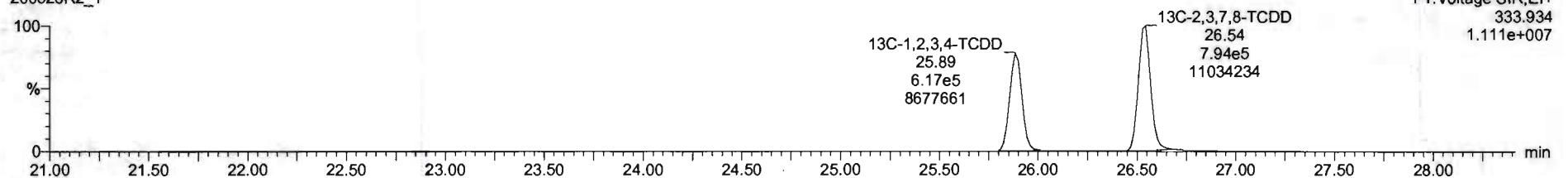


13C-2,3,7,8-TCDD

200528R2_1



200528R2_1



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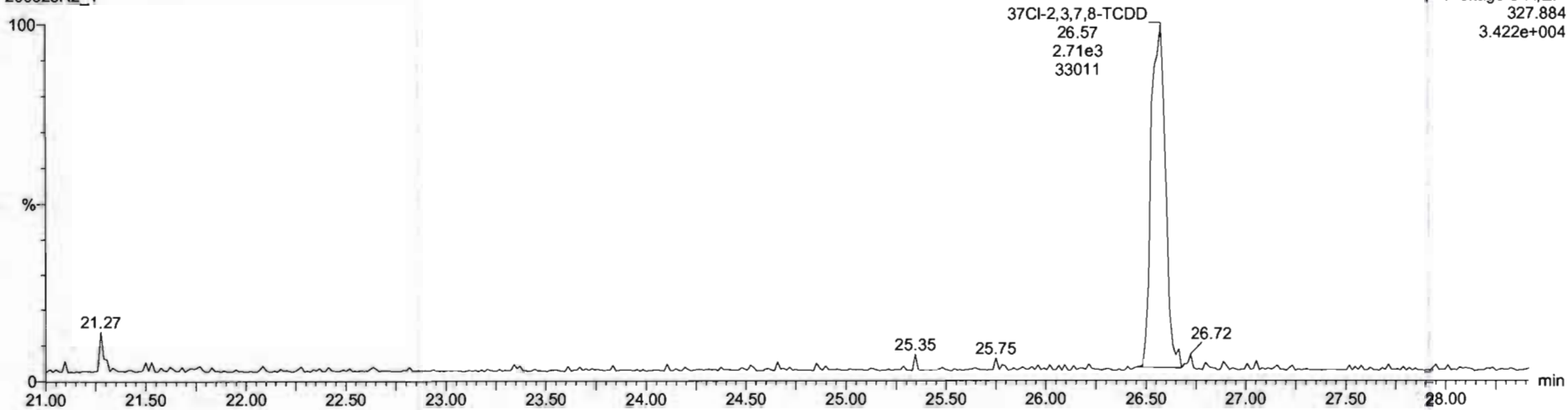
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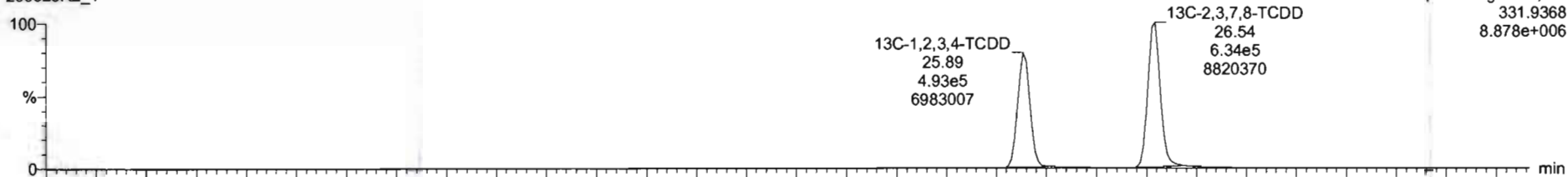
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F1: Voltage SIR, EI+
327.884
3.422e+004

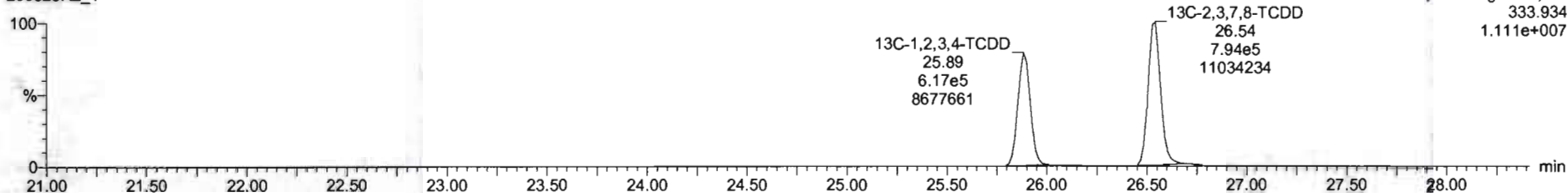
13C-1,2,3,4-TCDD

200528R2_1



F1: Voltage SIR, EI+
331.9368
8.878e+006

200528R2_1



F1: Voltage SIR, EI+
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1.111e+007

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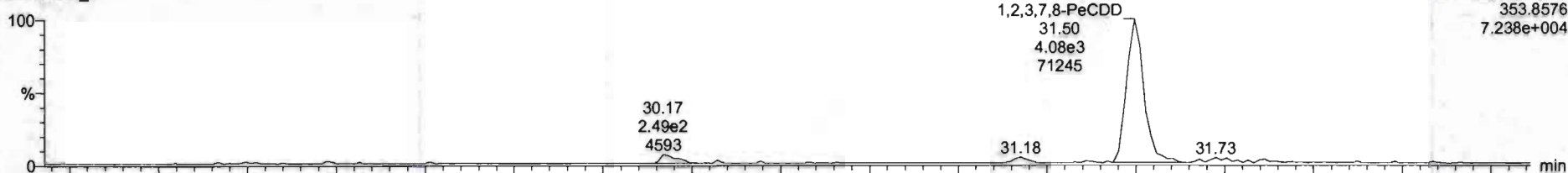
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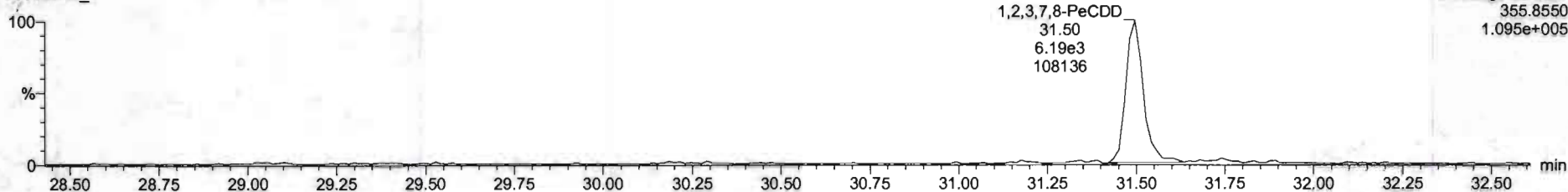
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1,2,3,7,8-PeCDD

200528R2_1

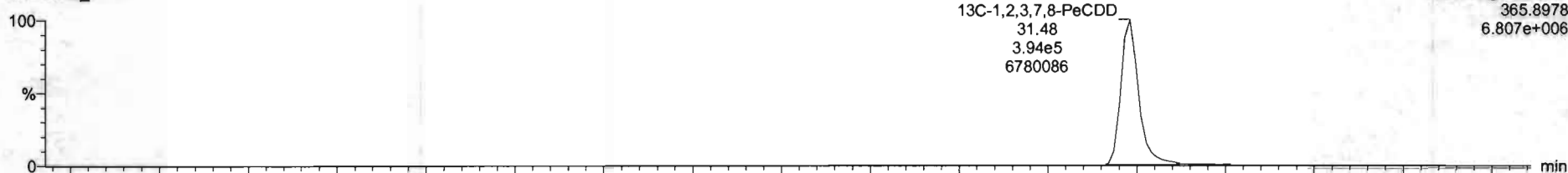


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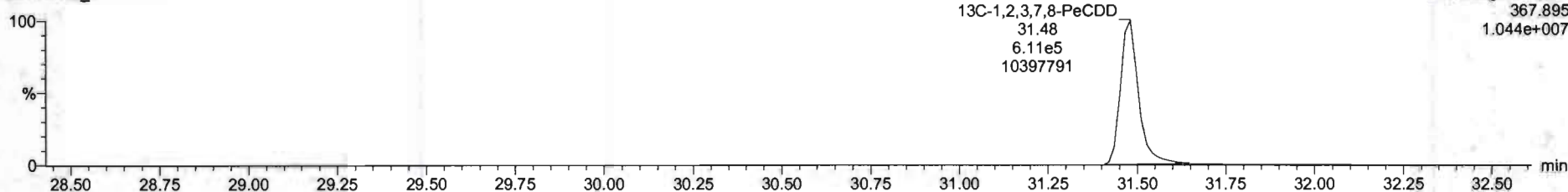


13C-1,2,3,7,8-PeCDD

200528R2_1



200528R2_1



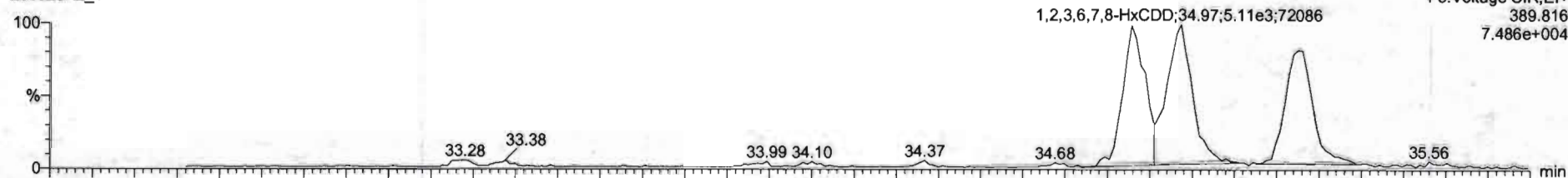
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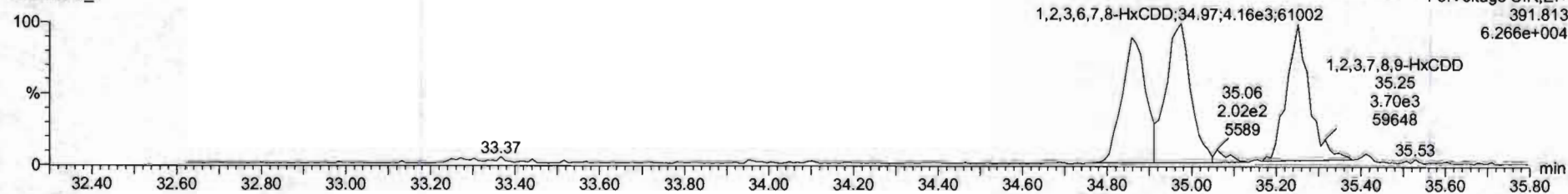
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1,2,3,4,7,8-HxCDD

200528R2_1

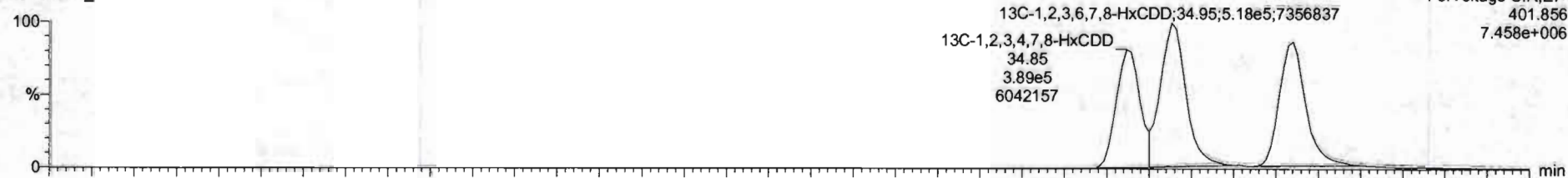


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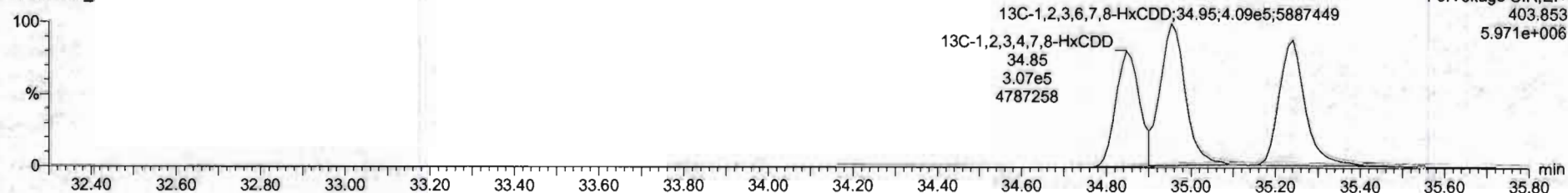


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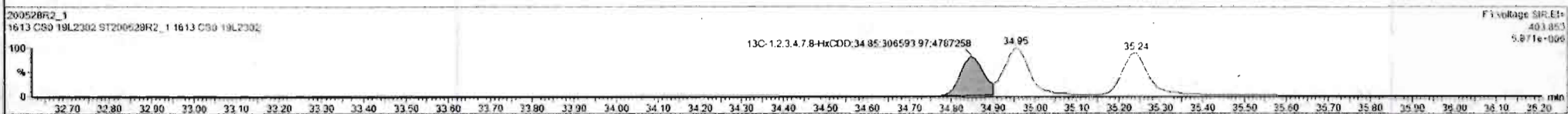
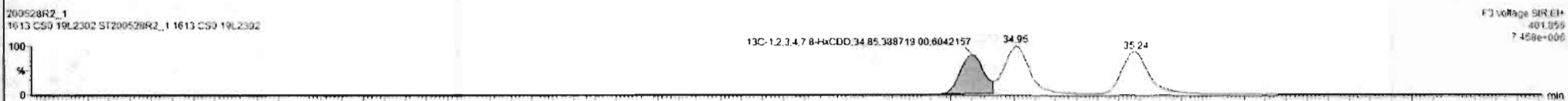
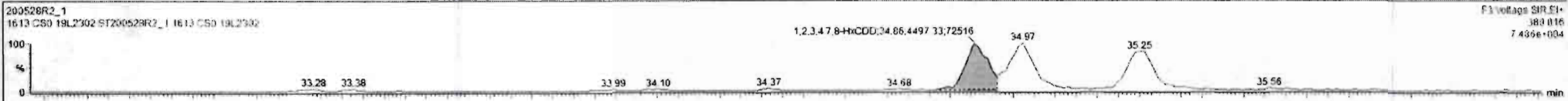
200528R2_1



200528R2_1



Name	Resp	RA	Qty	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.78e3	0.56	NO	0.8983	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0292	1.12
3 1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0428	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8965	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8 2,3,7,6-TCDF	3.23e3	0.73	NO	0.7510	1.000	25.87	1.001	0.223	89.1	0.0142	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0369	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8852	1.000	34.11	1.001	1.12	89.2	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8787	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,5,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.43e6	0.30	NO	1.1563	1.000	26.54	1.026	111	111	0.0632	
19 13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.318	
21 13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



Custom Reporting: Select reports to generate

200528R2_1 CAP NUM

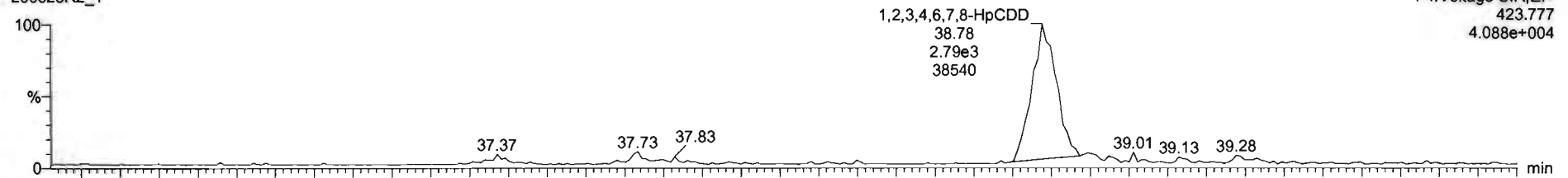
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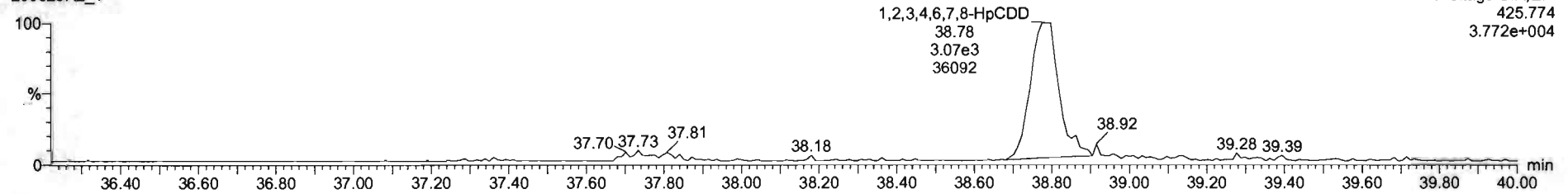
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1,2,3,4,6,7,8-HpCDD

200528R2_1

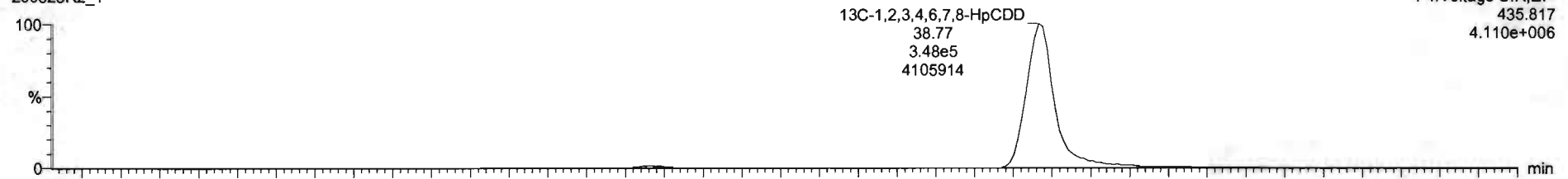


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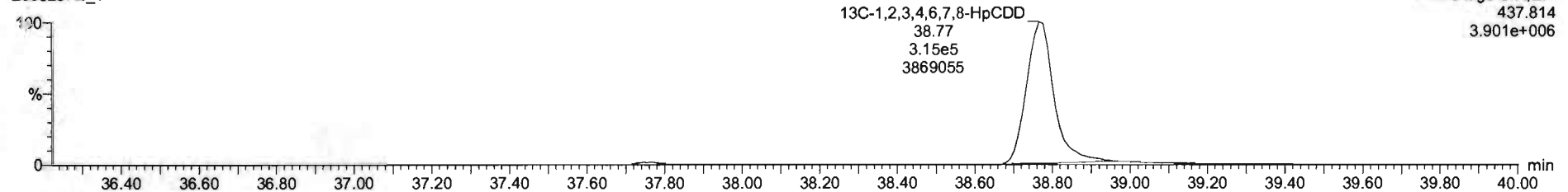


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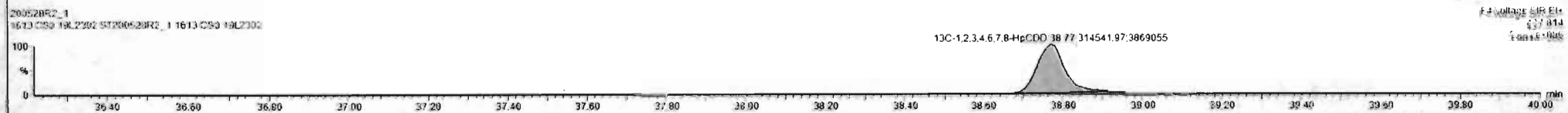
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200528R2_1



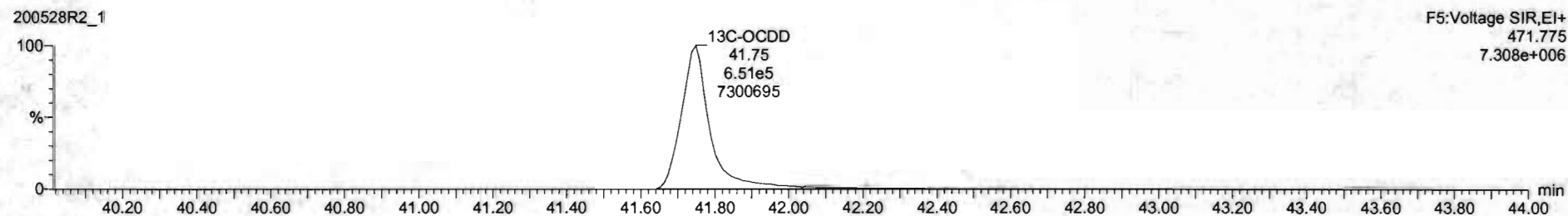
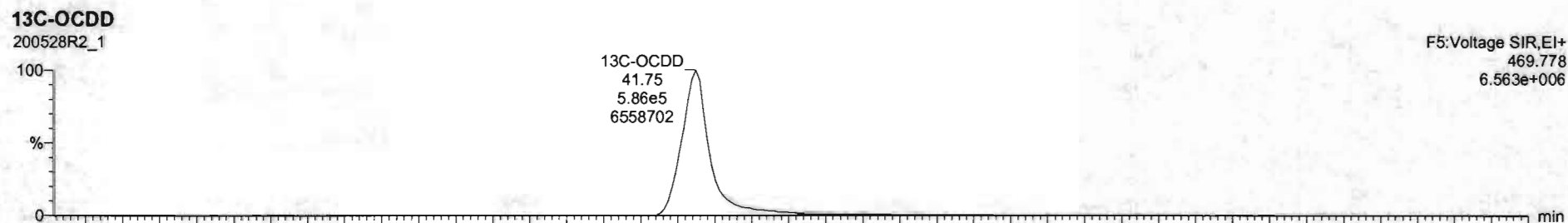
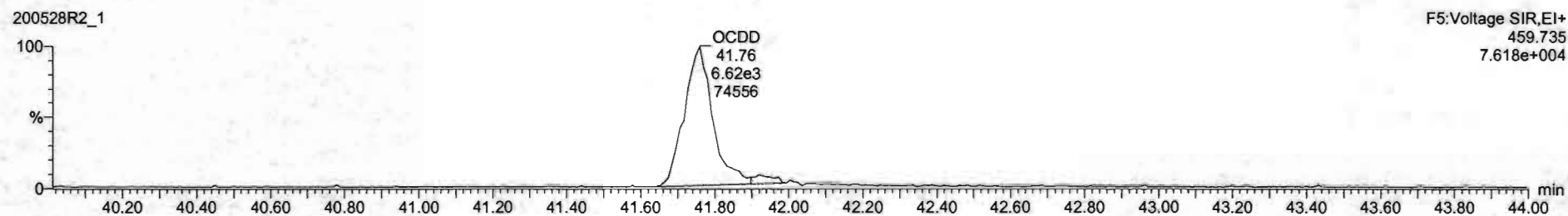
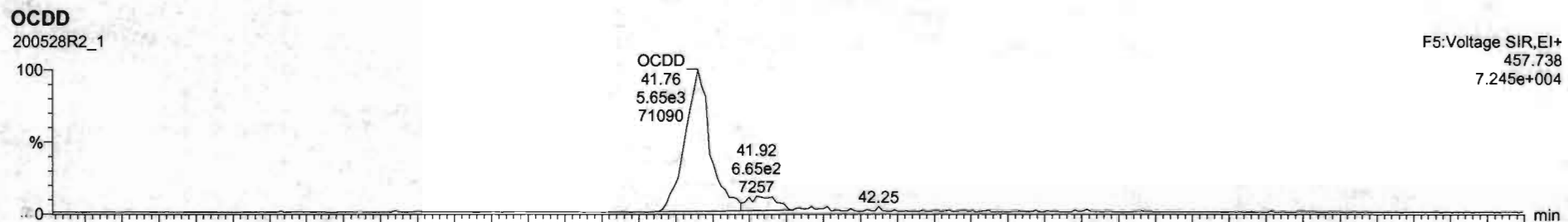
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1	2,3,7,8-TCDD	2.70e3	0.58	NO	0.8583	1.000	26.54	1.000	0.212	88.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0282	1.12
3	1,2,3,4,7,8-HxCDD	5.02e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	69.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	6.14e3	1.30	NO	0.8065	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8839	1.000	36.70	1.000	1.09	87.2	0.0506	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.70	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.323	89.1	0.0142	0.222
9	1,2,3,7,8-PeCDF	1.46e4	1.51	NO	0.8925	1.000	30.20	1.000	1.09	67.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	6.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8052	1.000	34.11	1.001	1.12	88.2	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HxCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e8	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8450	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



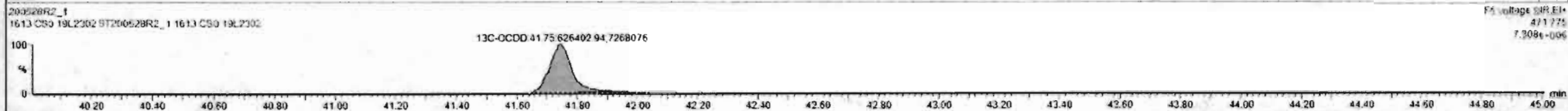
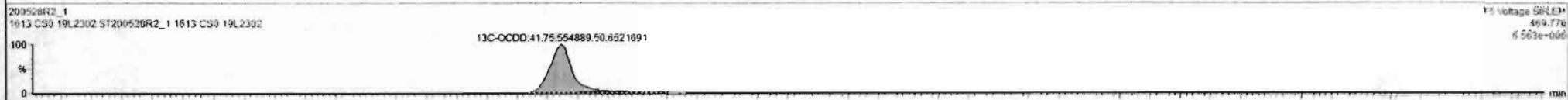
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



#	Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8863	1.000	26.54	1.000	0.212	85.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	34.06	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9138	1.000	41.78	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0142	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.03	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8552	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	28.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	8.95e5	1.27	NO	0.7750	1.000	34.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



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200528R2_1

CAP NUM

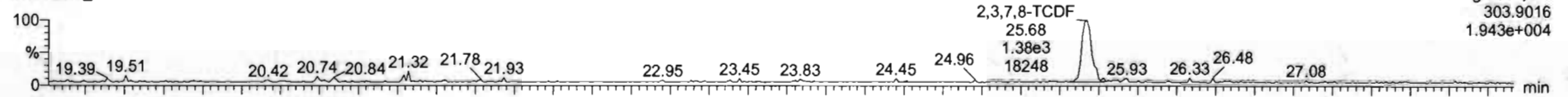
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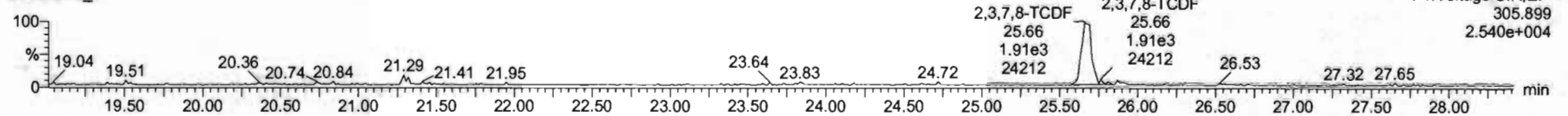
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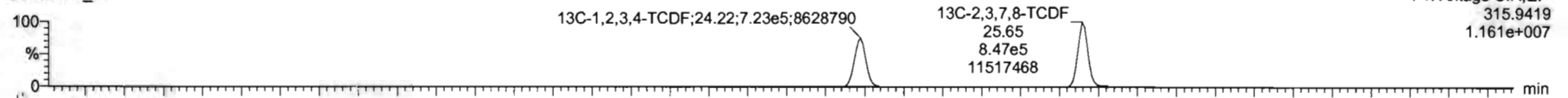


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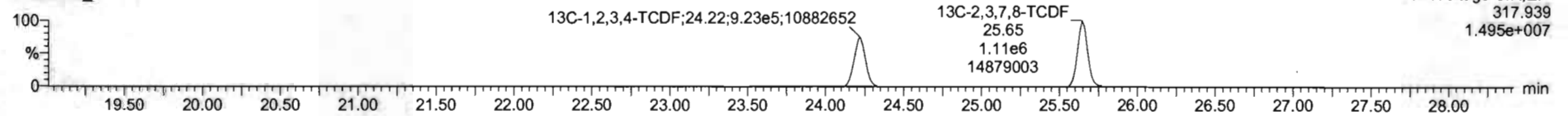


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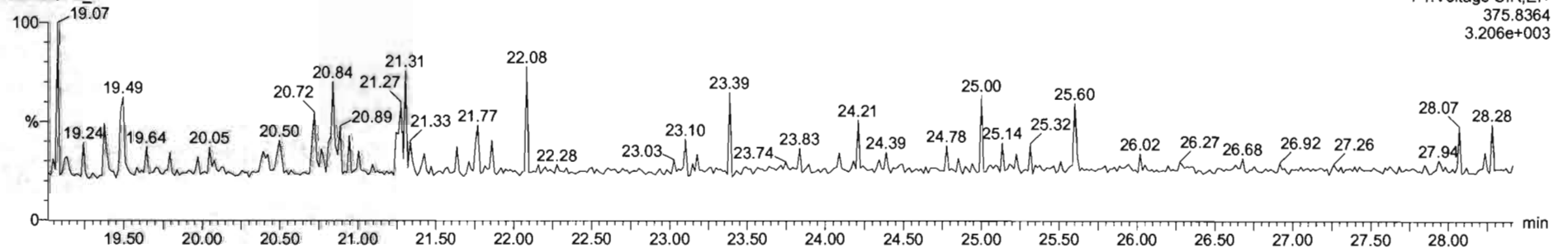


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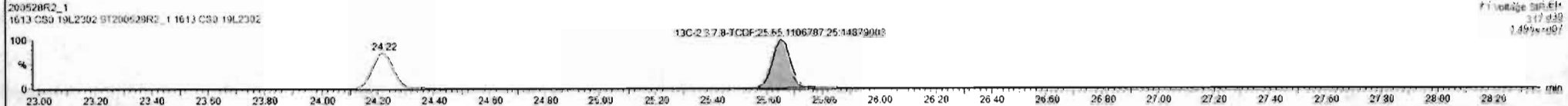
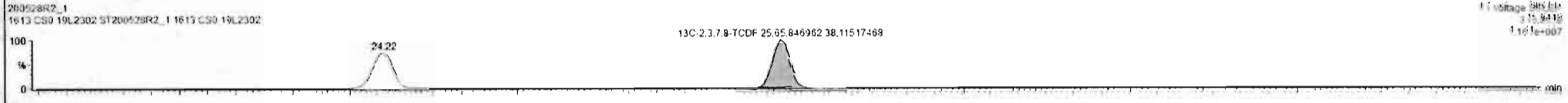
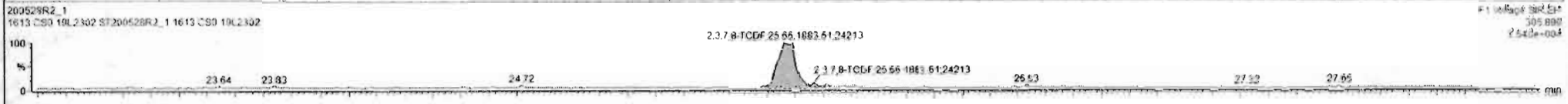
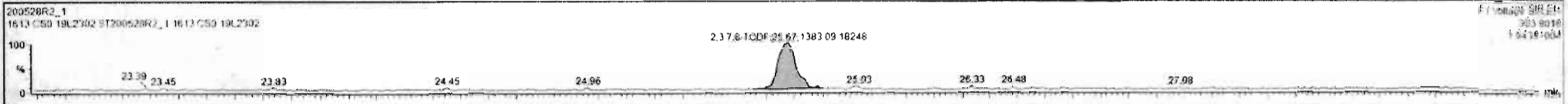


DPE1

200528R2_1



#	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8883	1.000	26.54	1.000	0.212	95.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	21.50	1.000	1.12	90.6	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e2	1.27	NO	1.0334	1.000	34.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.13	89.7	0.0465	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8865	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0140	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	20.20	1.006	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.95e3	1.25	NO	0.8845	1.000	33.99	1.001	1.03	86.2	0.0369	1.03
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8862	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0624	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.96	NO	1.0126	1.000	39.33	1.001	1.02	61.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.23	92.4	0.0409	2.23
18	13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1583	1.000	26.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	168	168	0.243	



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200528R2_1 CAP NUM

7:54 AM

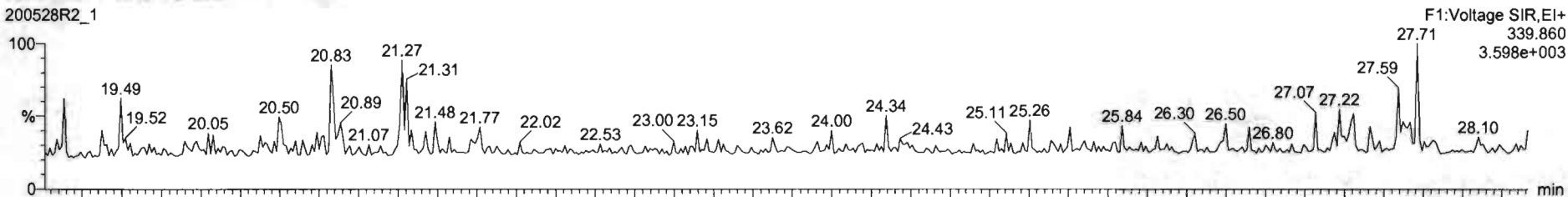
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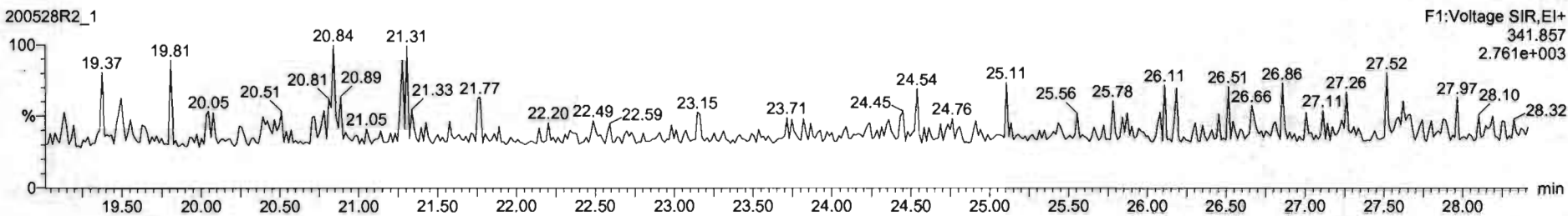
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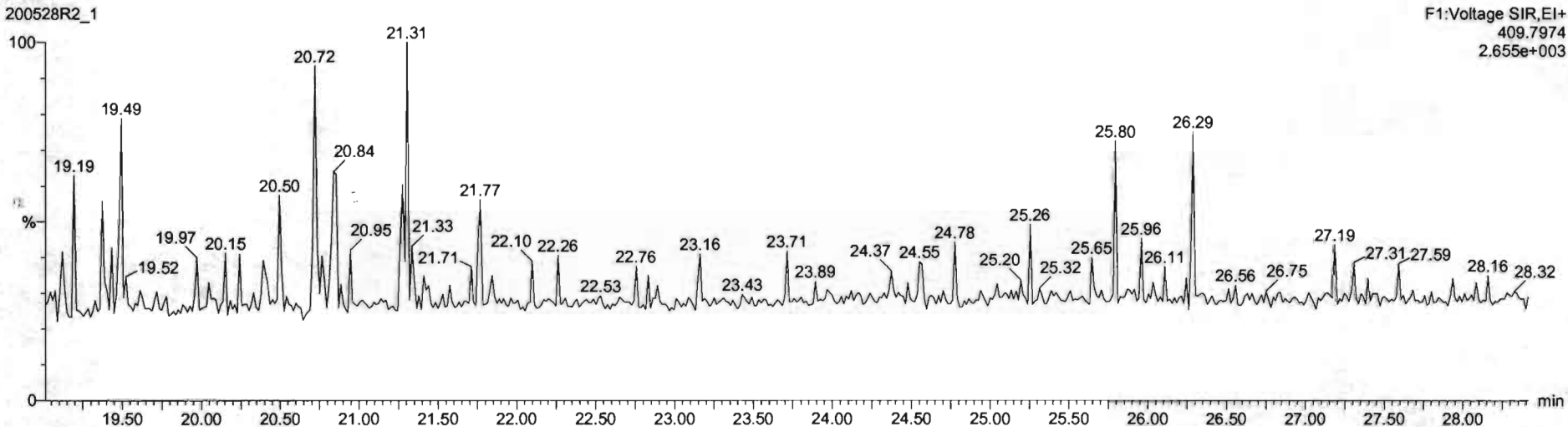


200528R2_1



DPE6

200528R2_1



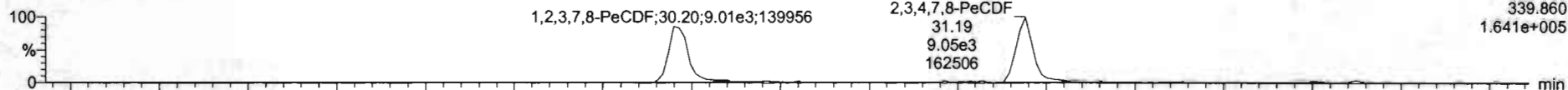
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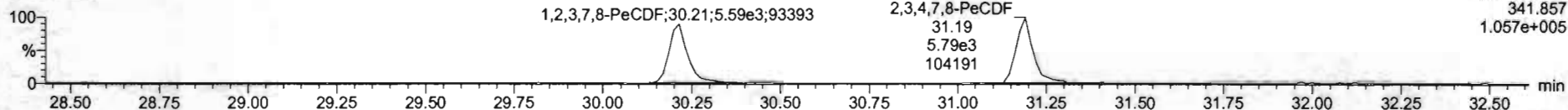
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1,2,3,7,8-PeCDF

200528R2_1

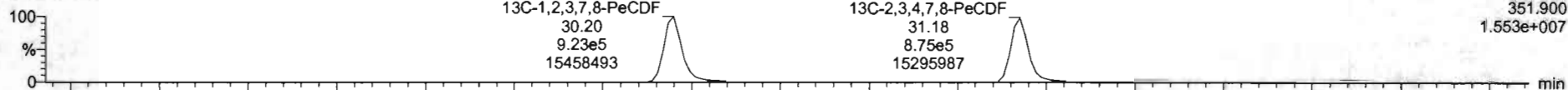


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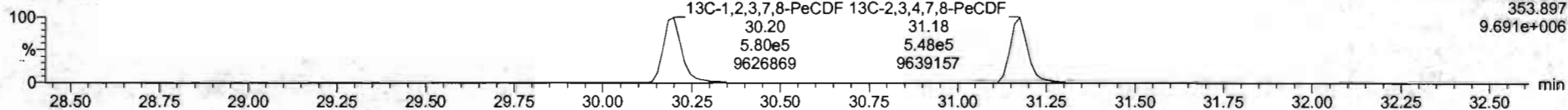


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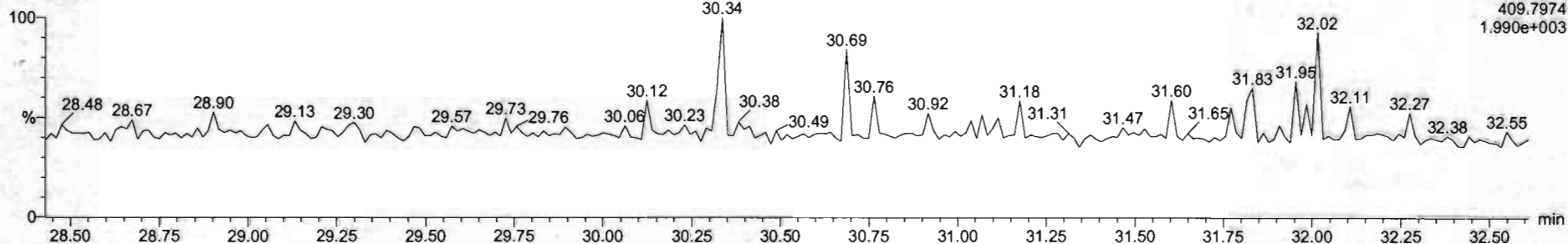


200528R2_1



DPE2

200528R2_1



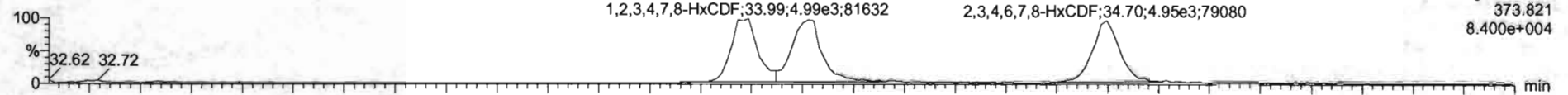
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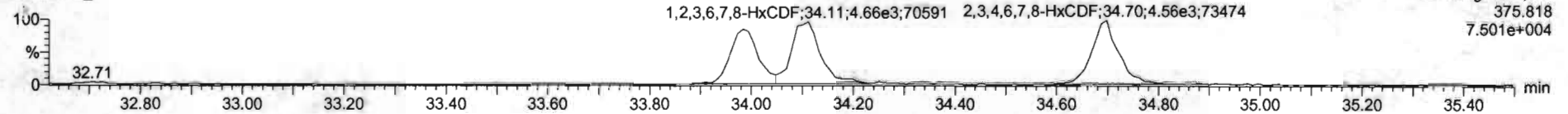
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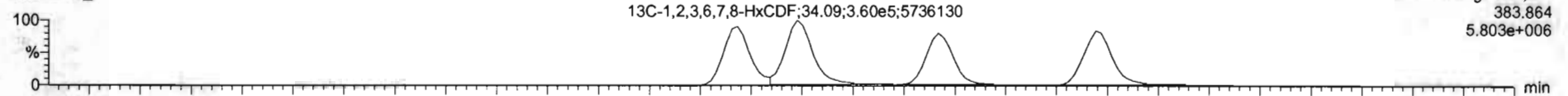


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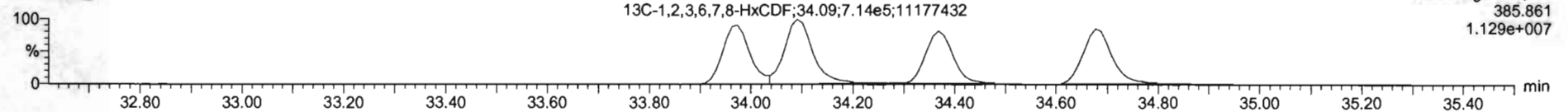


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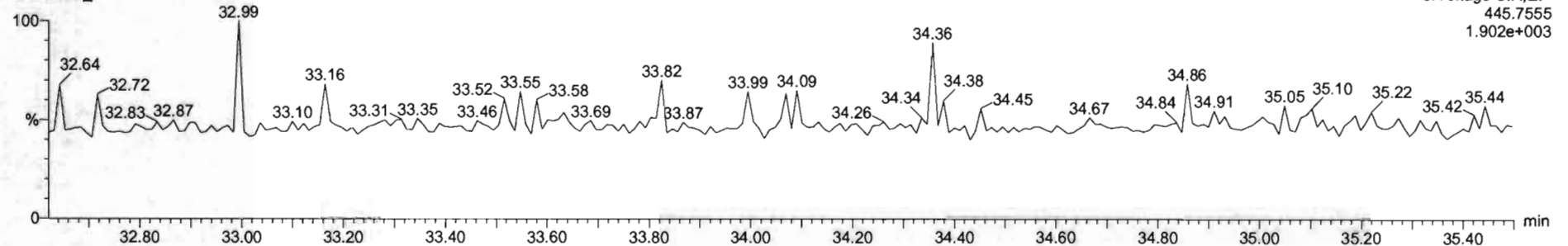


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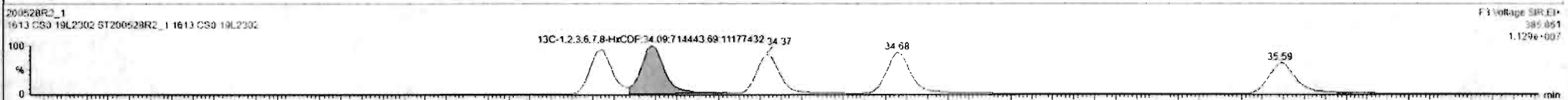
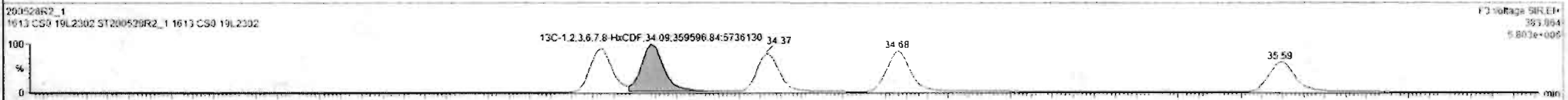
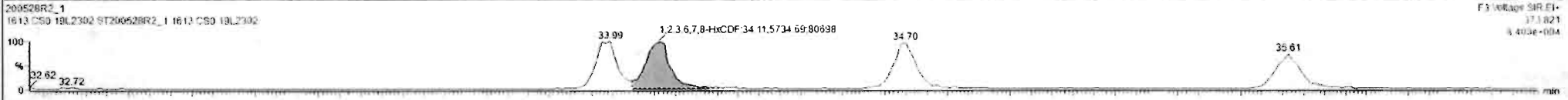


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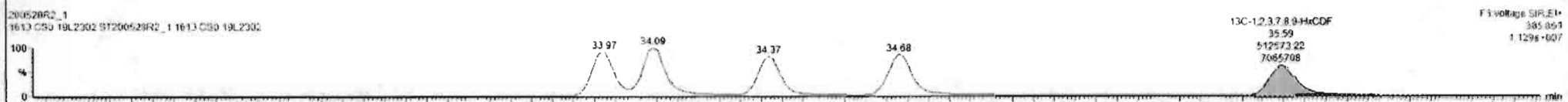
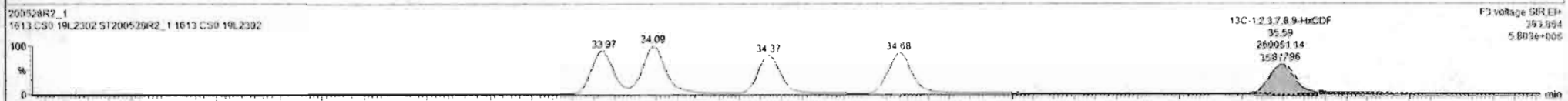
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Name	Resp	RA	inj	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.70e3	0.58	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6051	1.000	31.50	1.000	1.12	90.0	0.0292	1.12
3 1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0324	1.000	24.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	5.14e3	1.20	NO	0.8265	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	38.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8 2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	26.67	1.001	0.223	89.1	0.0147	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.81	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0709	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.56e3	1.25	NO	0.8845	1.000	33.99	1.001	1.05	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8082	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.62	81.8	0.0523	1.62
17 OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19 13C-1,2,3,7,8-PeCDD	1.08e6	0.64	NO	0.8450	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e6	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21 13C-1,2,3,6,7,8-HxCDD	9.27e6	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



#	Name	Resp	RA	ntf	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.76e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	95.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.55	1.000	1.12	96.0	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	24.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	24.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8265	1.000	25.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.16e3	0.99	NO	0.8630	1.000	26.72	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.225	89.1	0.0142	0.225
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8325	1.000	20.20	1.000	1.09	87.1	0.0265	1.09
10	1,2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8,9-HxCDF	6.98e3	1.25	NO	0.8545	1.000	23.95	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8252	1.000	24.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	24.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	25.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	27.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	20.33	1.001	1.02	81.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0832	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	24.95	1.017	108	108	0.243	



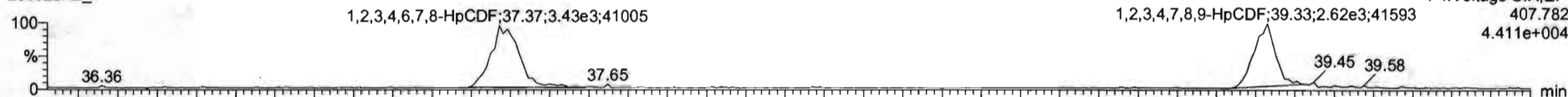
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

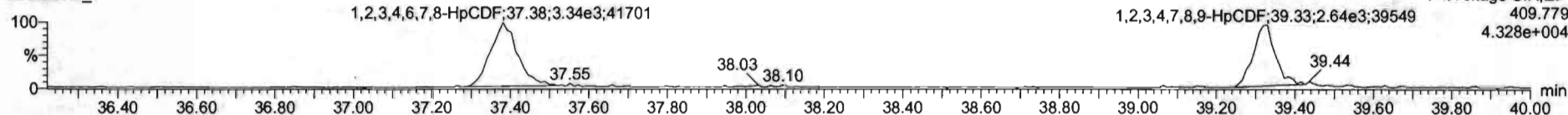
1,2,3,4,6,7,8-HpCDF

200528R2_1



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4.411e+004

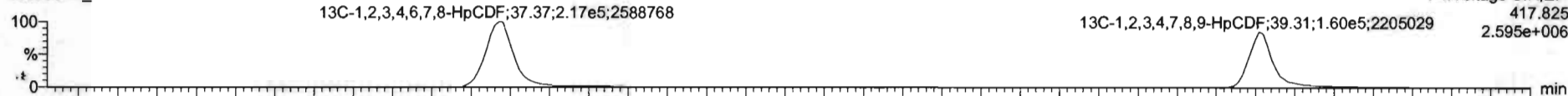
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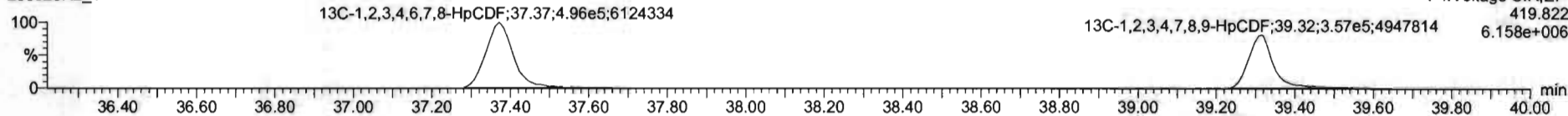
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200528R2_1



F4: Voltage SIR, EI+
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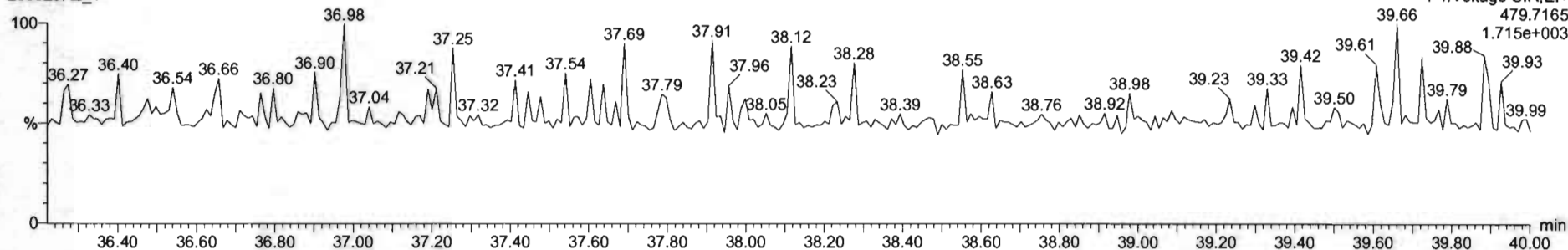
200528R2_1



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6.158e+006

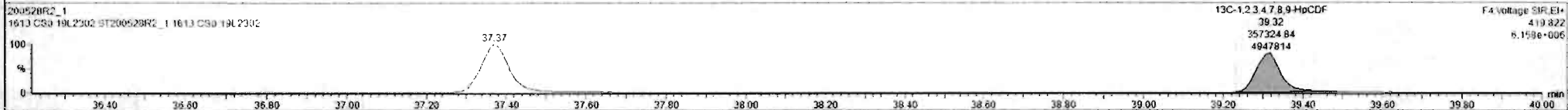
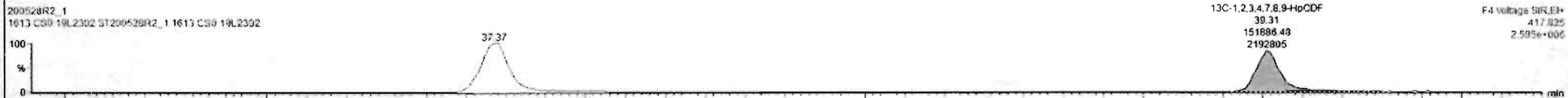
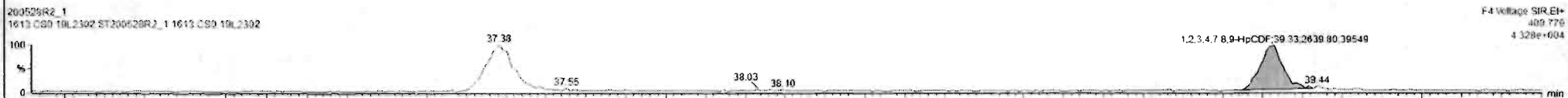
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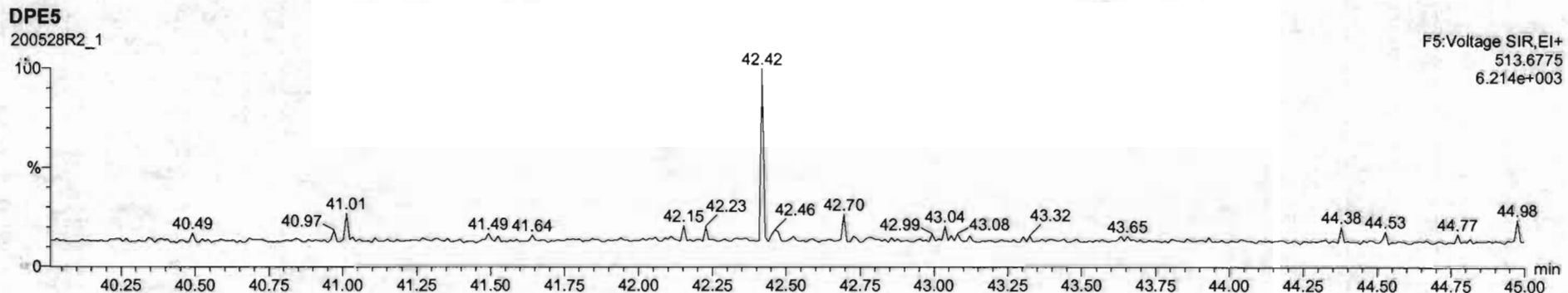
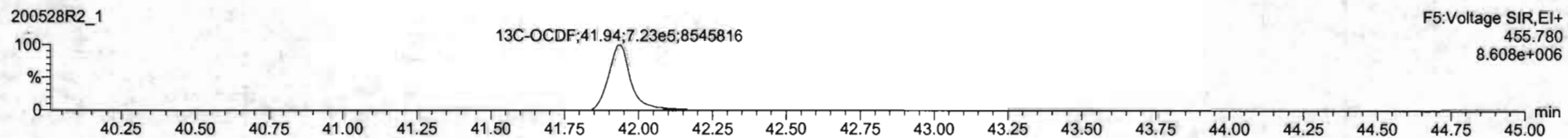
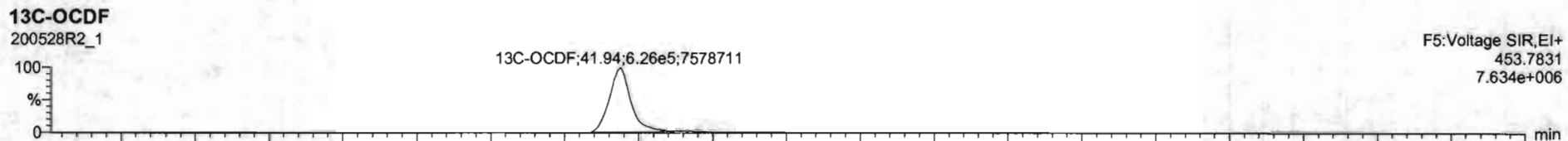
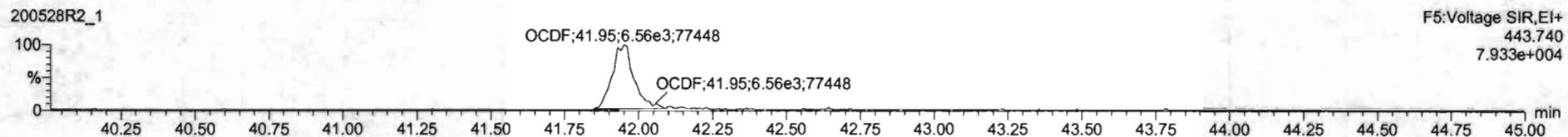
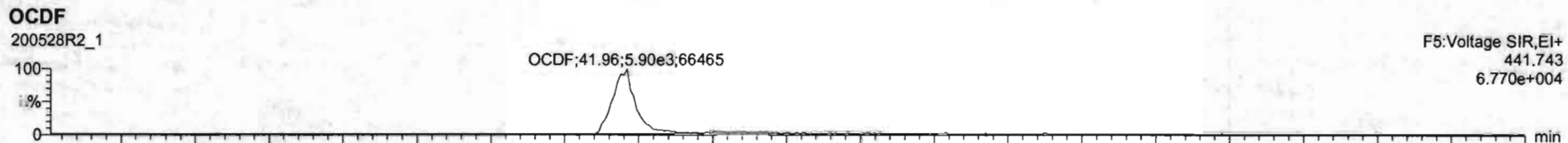
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2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	8.02e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDF	8.14e3	1.20	NO	0.8269	1.000	35.25	1.000	1.10	88.1	0.0404	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.0	0.0470	2.27
8 2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.87	1.001	0.223	89.1	0.0142	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.98e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8852	1.000	34.11	1.001	1.12	89.0	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8797	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	88.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	39.35	1.001	1.02	81.6	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	92.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19 13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.218	
21 13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



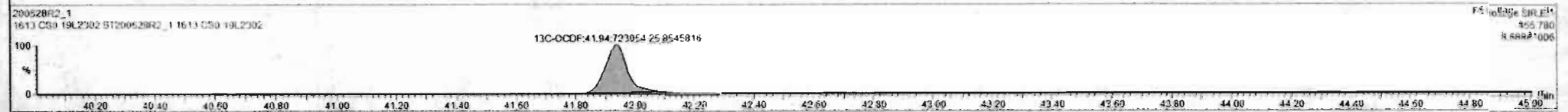
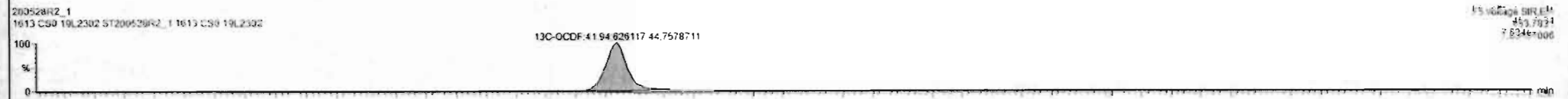
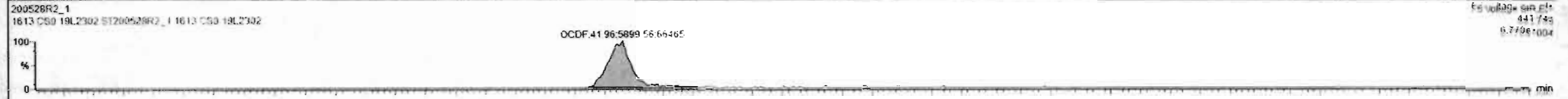
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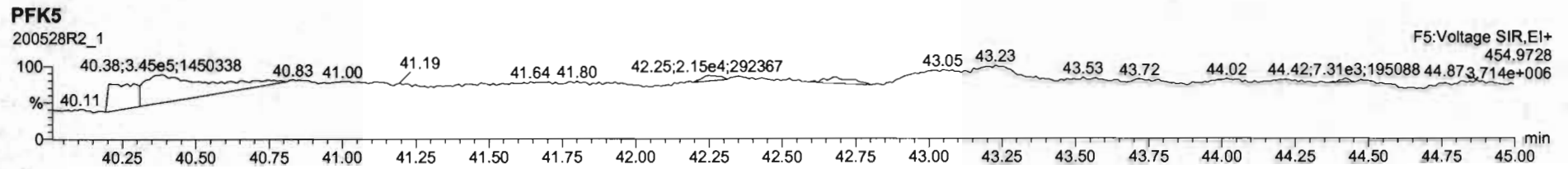
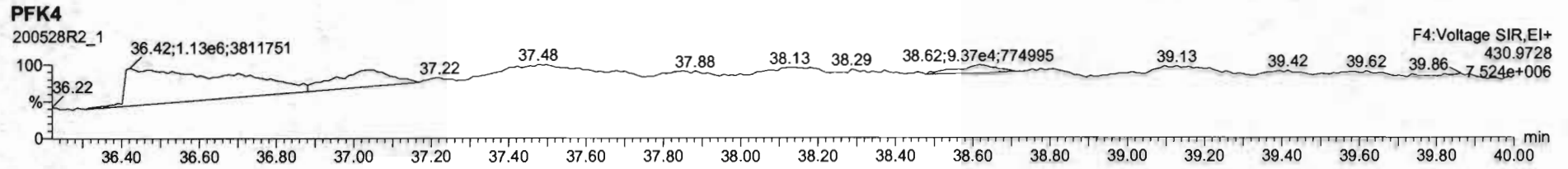
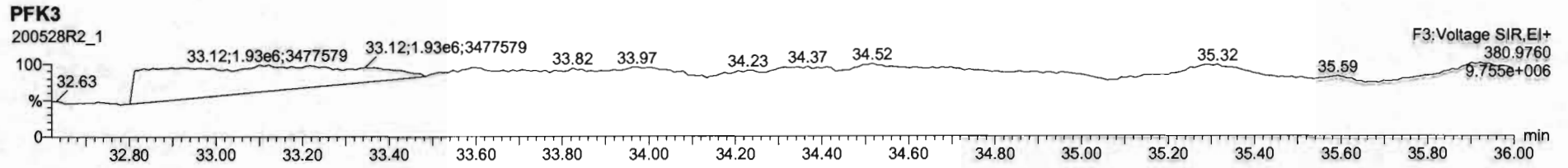
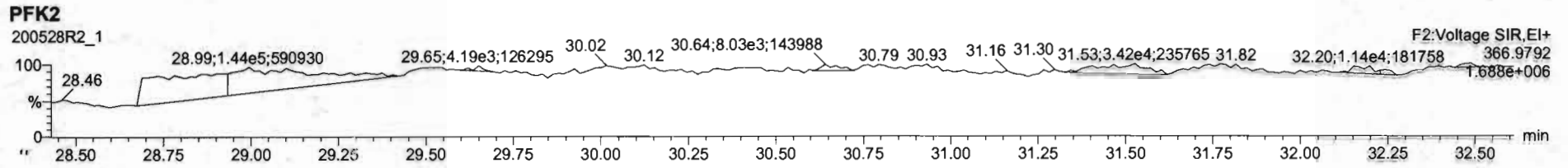
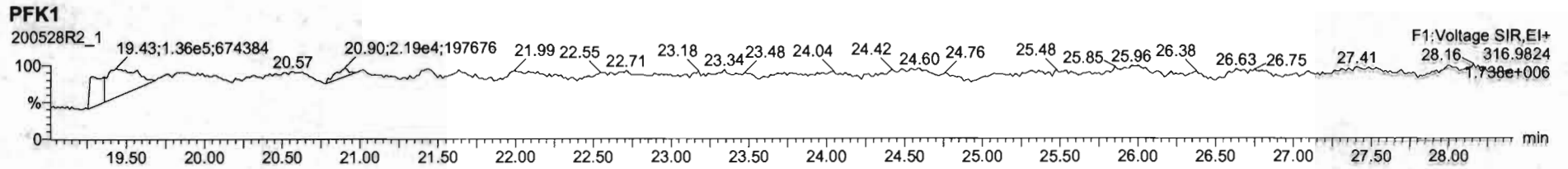
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1 2,3,7,8-TCDD	2.70e3	0.98	NO	0.8803	1.000	26.54	1.000	0.212	85.7	0.0247	0.212
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9041	1.000	31.60	1.000	1.12	90.0	0.0202	1.12
3 1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	89.4	0.042E	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.9523	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.9205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.88	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8 2,3,7,8-TCDF	3.27e3	0.75	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0142	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.98e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8892	1.000	24.11	1.001	1.12	89.7	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,5,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.95	NO	1.0126	1.000	39.33	1.001	1.02	81.6	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8685	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0632	
19 13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.218	
21 13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



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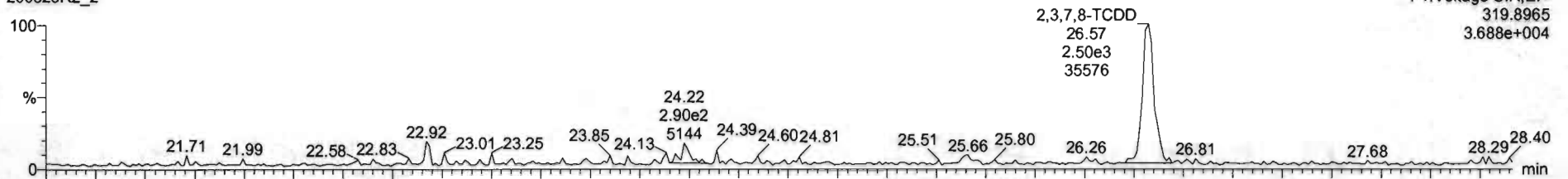
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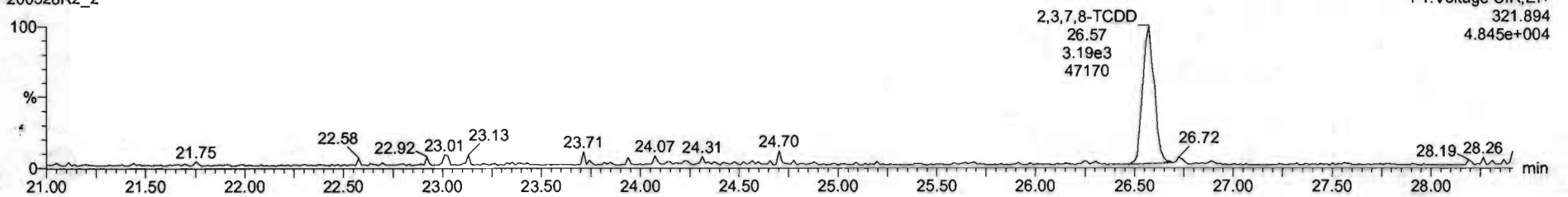
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2,3,7,8-TCDD

200528R2_2

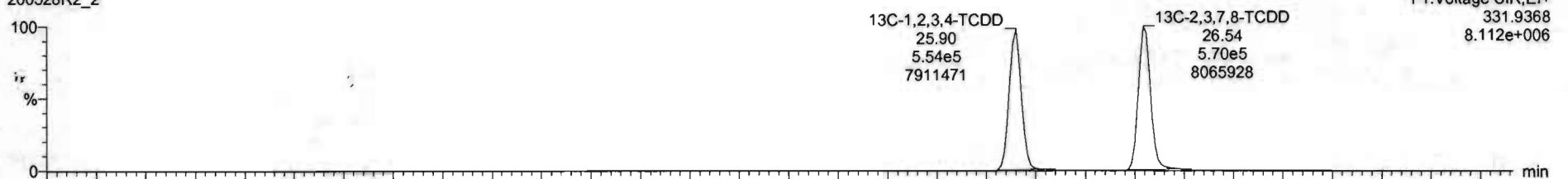


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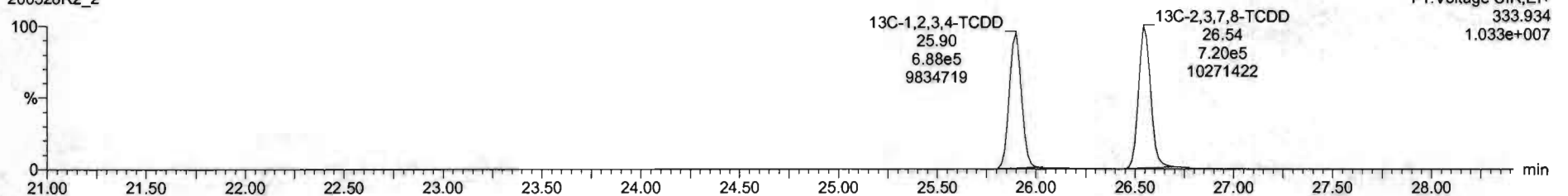


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200528R2_2



200528R2_2



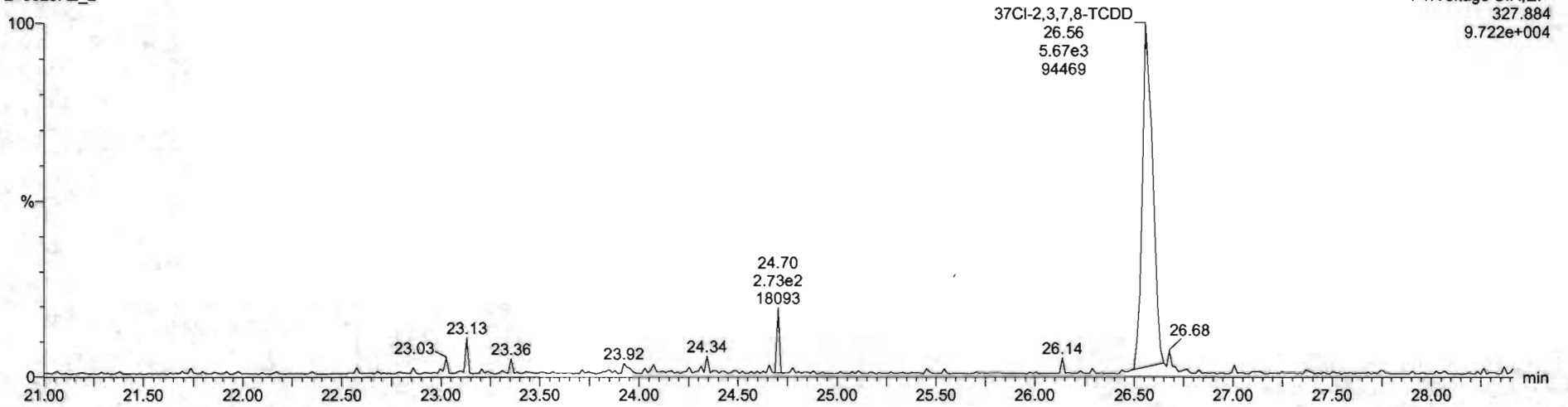
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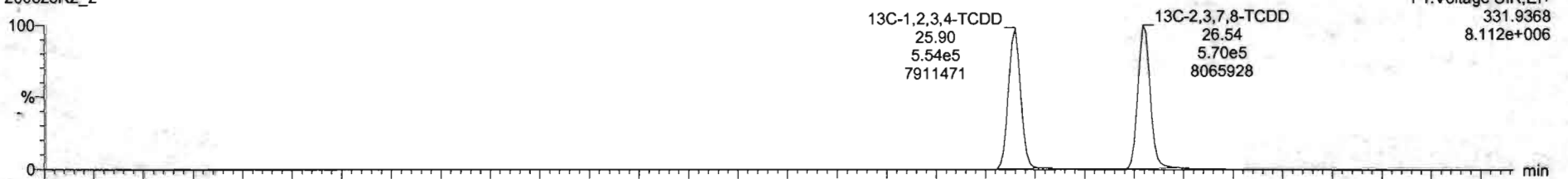
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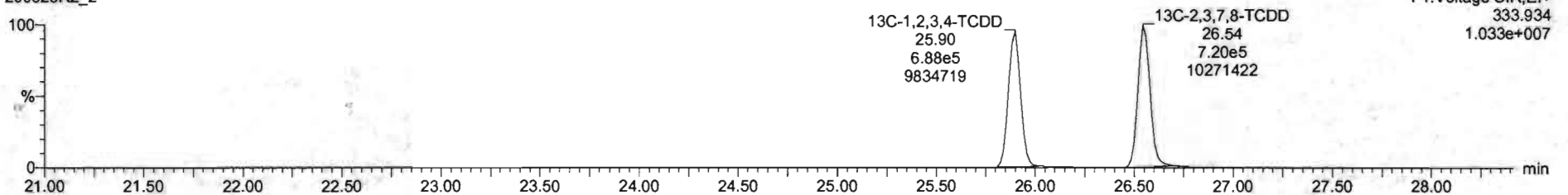


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200528R2_2



200528R2_2



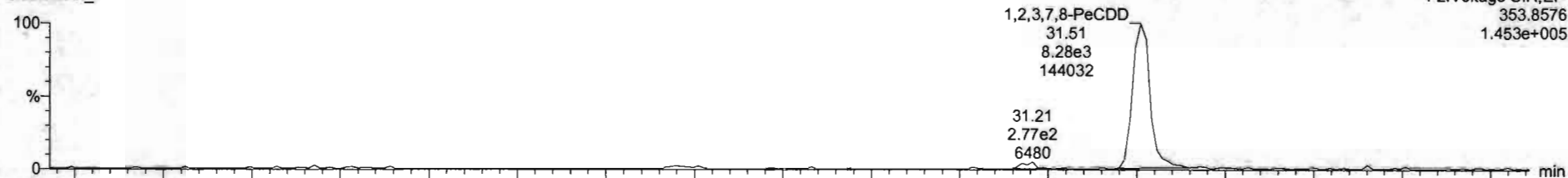
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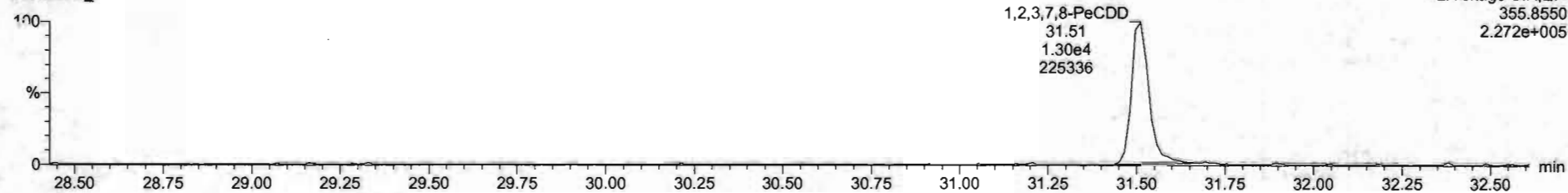
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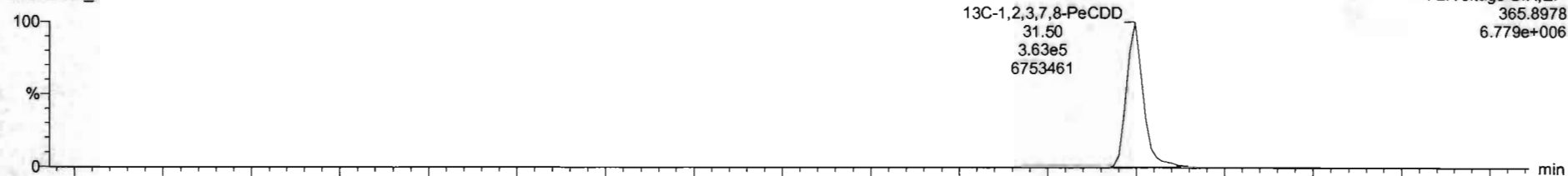


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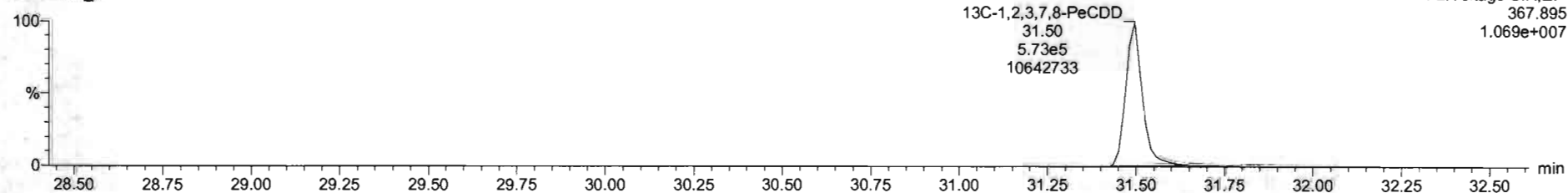


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200528R2_2



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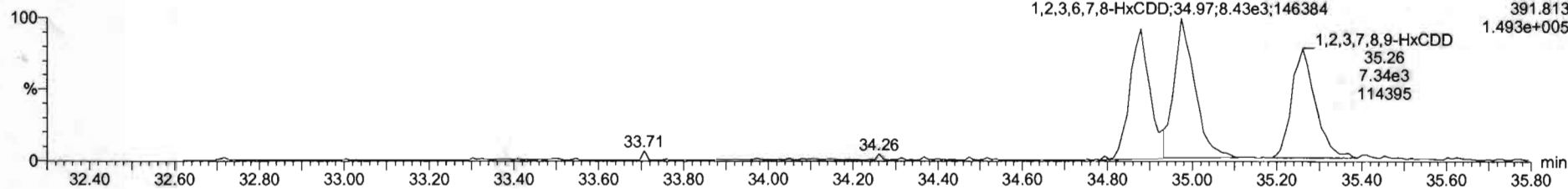
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1,2,3,4,7,8-HxCDD

200528R2_2

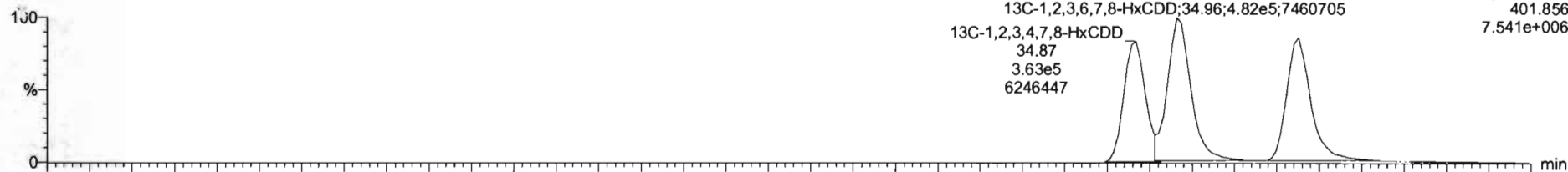


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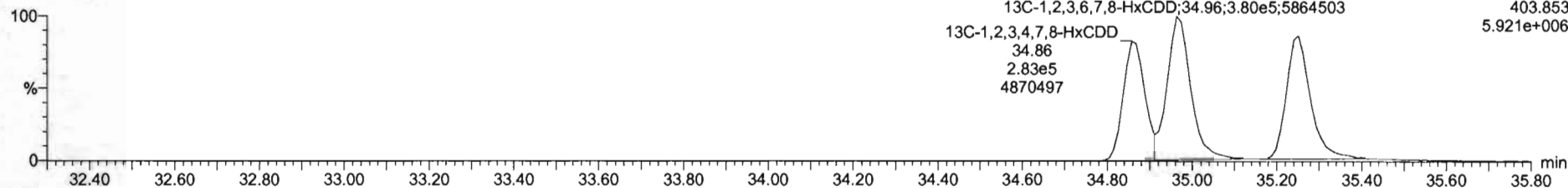


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200528R2_2



200528R2_2



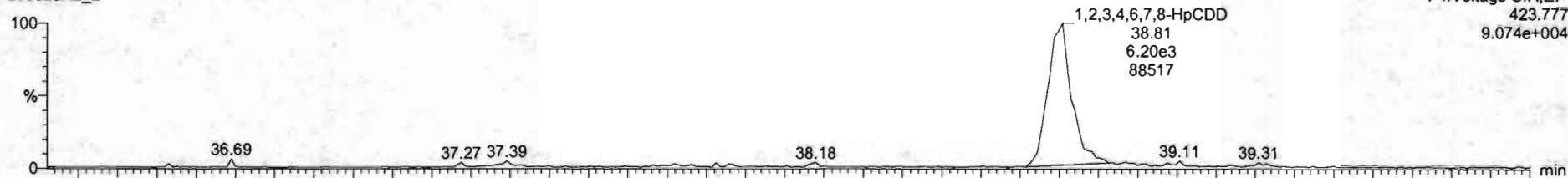
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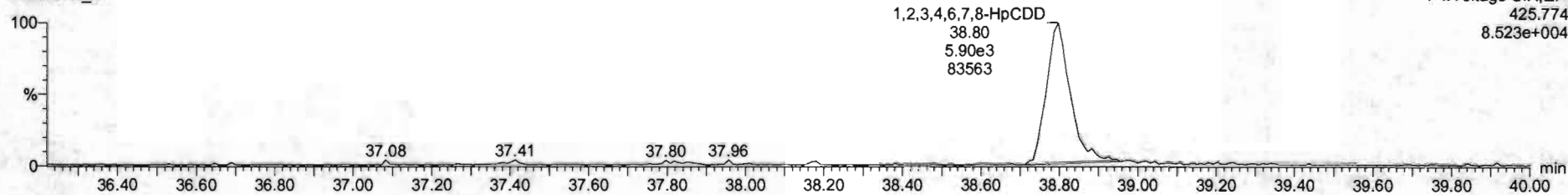
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200528R2_2

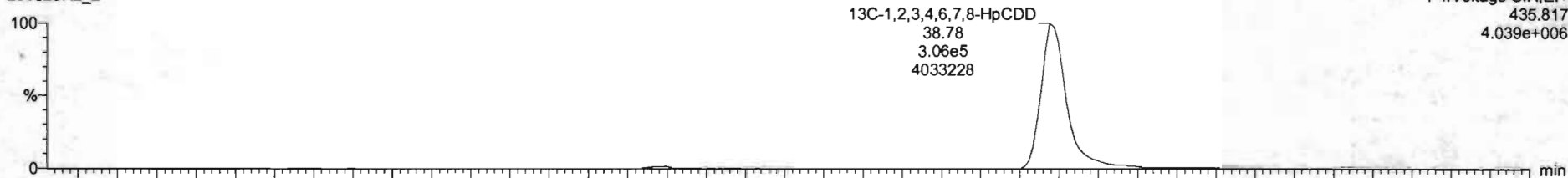


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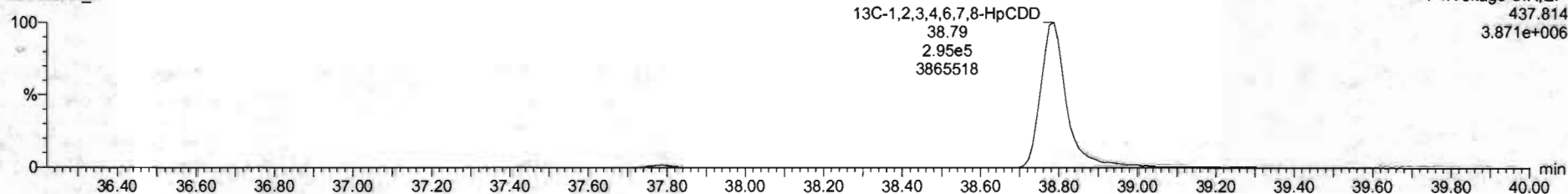


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200528R2_2



200528R2_2

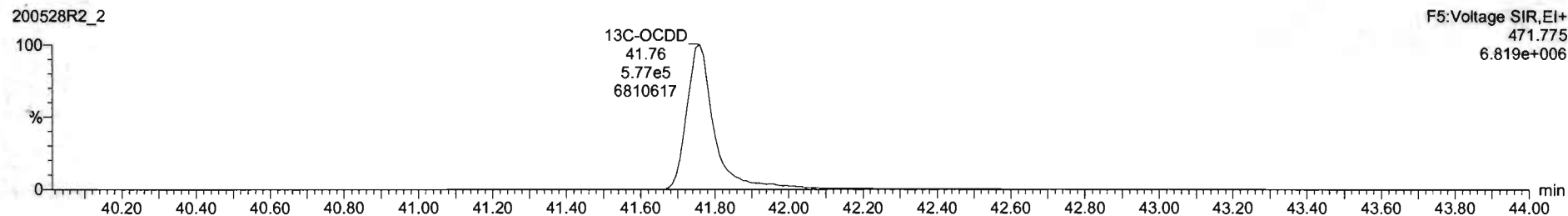
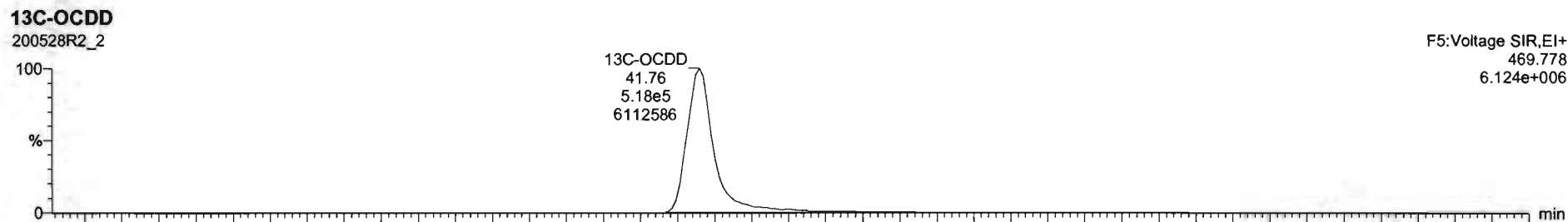
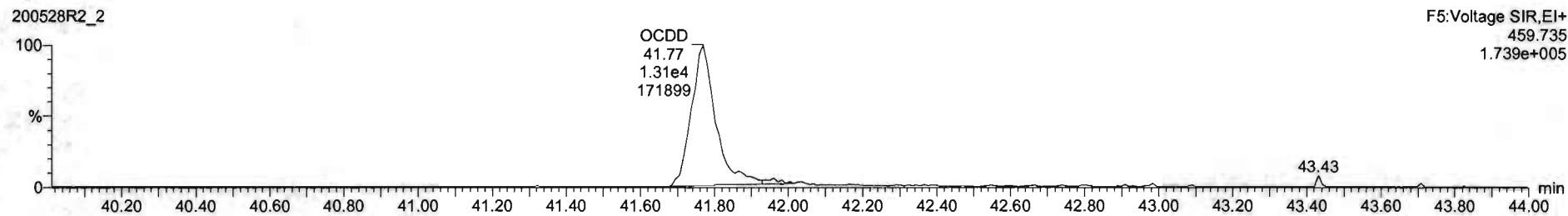
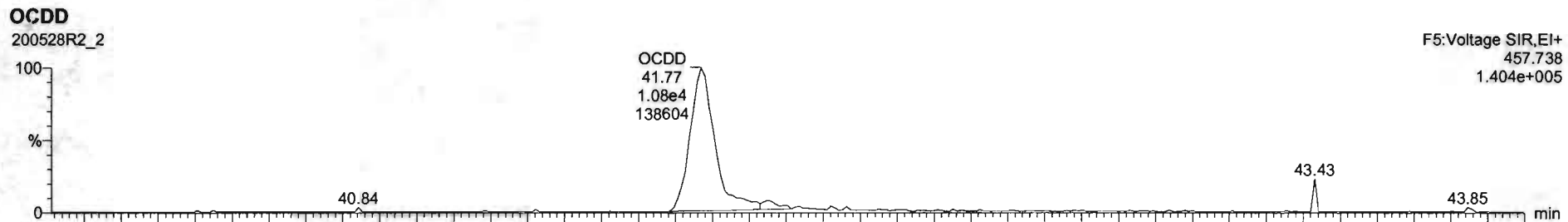


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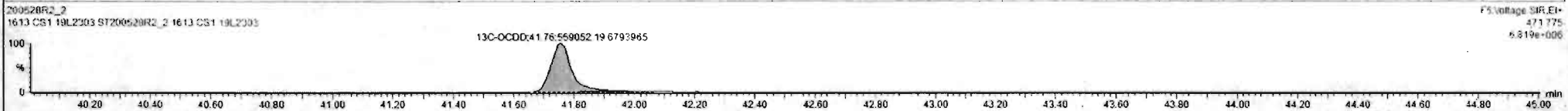
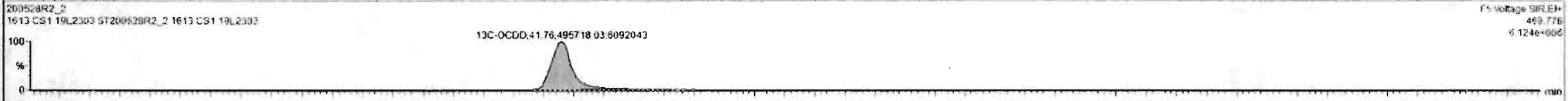
Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



Name	Resp	RA	nJY	RRF	wIvol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.84	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.69e4	1.27	NO	1.0324	1.000	34.86	1.000	2.53	101	0.0774	2.53
4 1,2,3,6,7,8-HxCDD	1.50e4	1.25	NO	0.8923	1.000	34.99	1.001	2.47	98.5	0.0747	2.47
5 1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8865	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6 1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8639	1.000	36.61	1.001	2.33	93.3	0.0613	2.33
7 OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	98.4	0.149	4.97
8 2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.463	97.7	0.0670	0.466
9 1,2,3,7,8-PeCDF	3.06e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10 2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9348	1.000	31.21	1.000	2.52	101	0.0395	2.52
11 1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12 1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8892	1.000	34.12	1.000	2.50	100	0.0642	2.50
13 2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9241	1.000	34.71	1.001	2.38	95.3	0.0702	2.38
14 1,2,3,7,8,9-HxCDF	1.48e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15 1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16 1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.32	1.000	2.33	93.3	0.0630	2.33
17 OCDF	2.40e4	0.84	NO	0.8065	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18 13C-2,3,7,8-TCDD	1.29e6	0.79	NO	1.1563	1.000	26.54	1.025	89.3	89.8	0.0928	
19 13C-1,2,3,7,8-PeCDD	9.36e5	0.83	NO	0.8490	1.000	31.50	1.216	86.7	88.7	0.113	
20 13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7790	1.000	34.87	1.014	85.9	85.9	0.183	
21 13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.95	1.017	87.7	87.7	0.140	

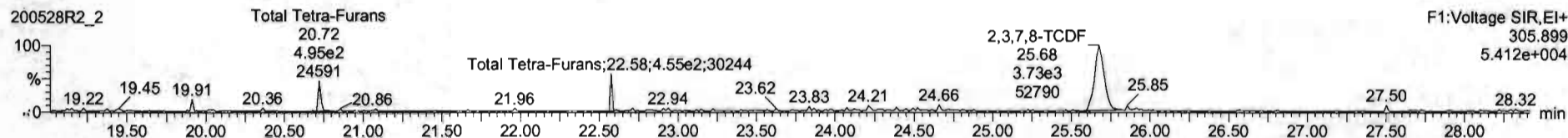
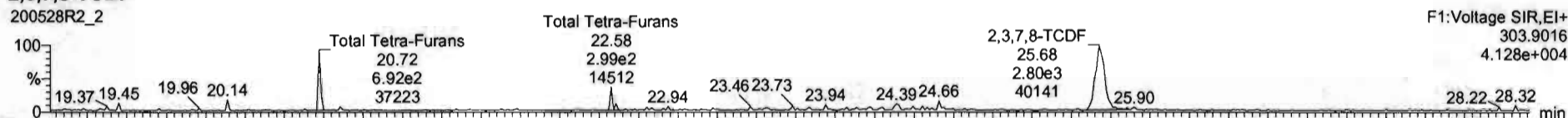


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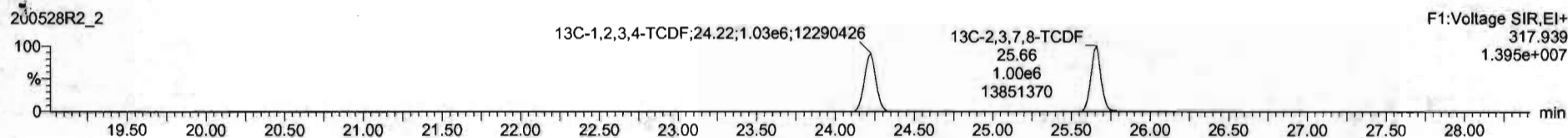
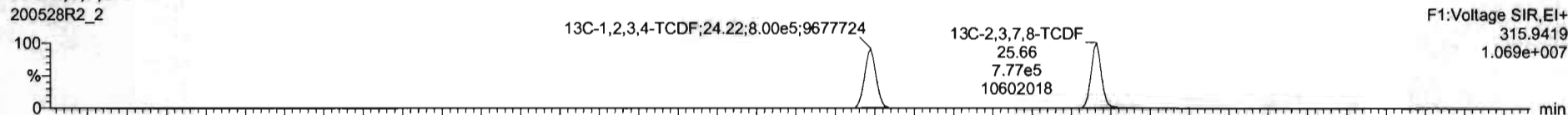
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

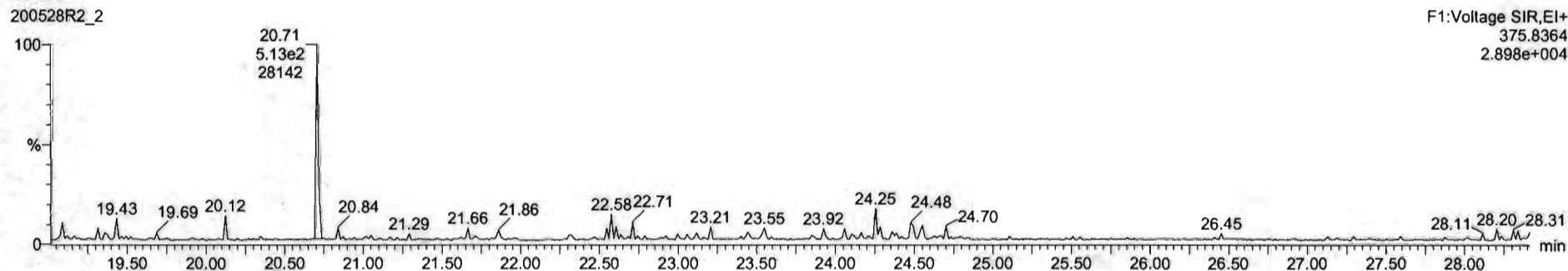
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

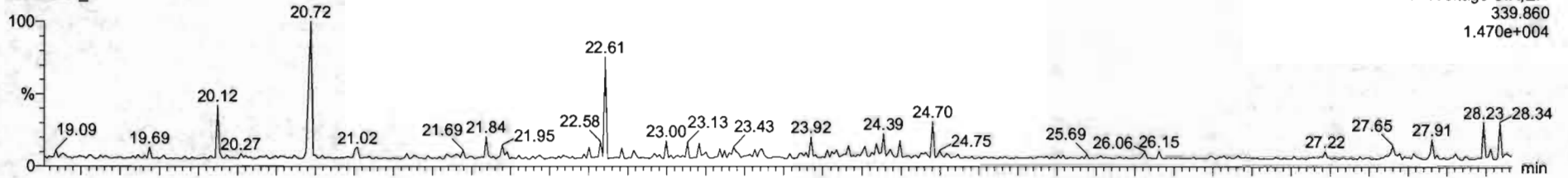
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1st Func. Penta-Furans

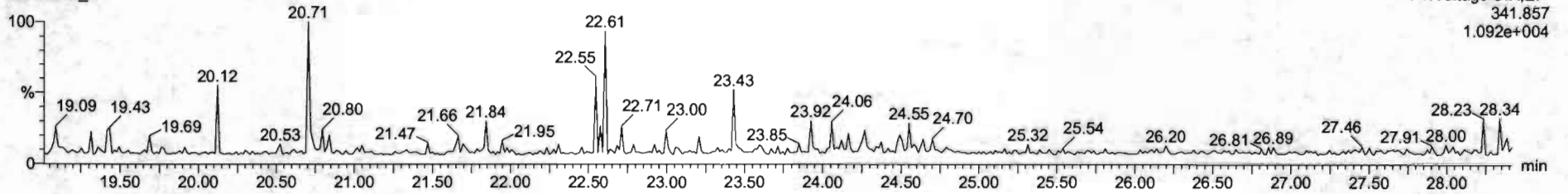
200528R2_2

F1:Voltage SIR,EI+
339.860
1.470e+004



200528R2_2

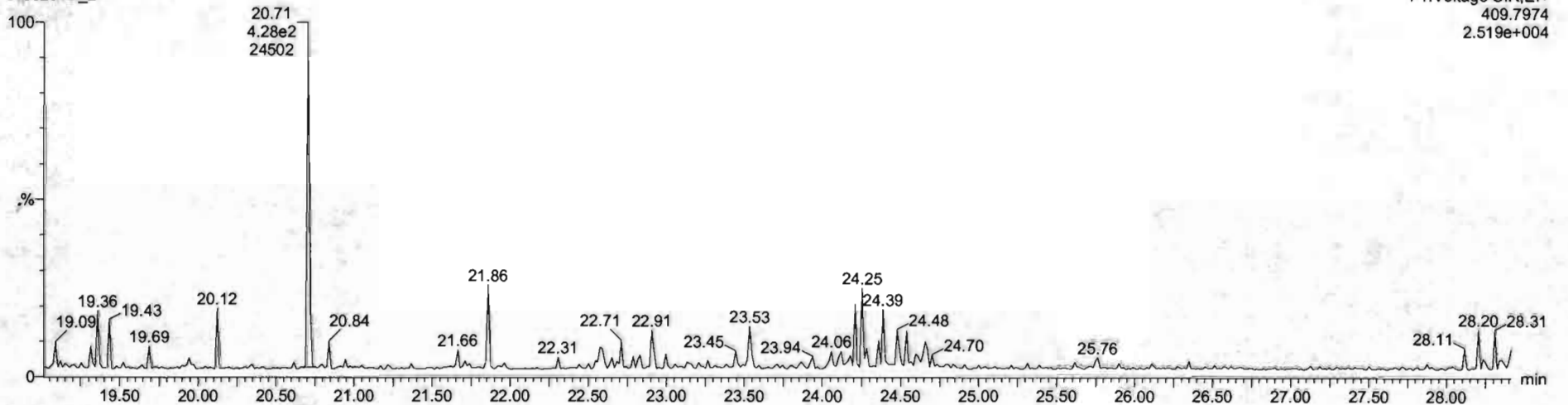
F1:Voltage SIR,EI+
341.857
1.092e+004



DPE6

200528R2_2

F1:Voltage SIR,EI+
409.7974
2.519e+004



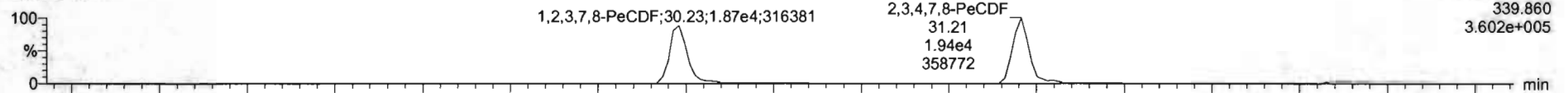
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

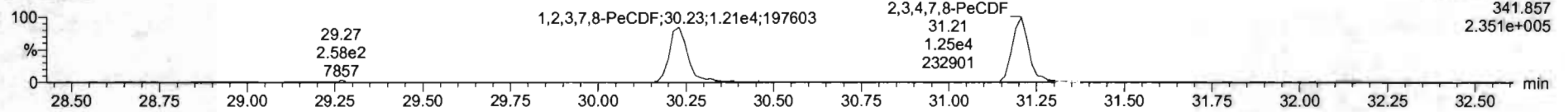
1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
339.860
3.602e+005

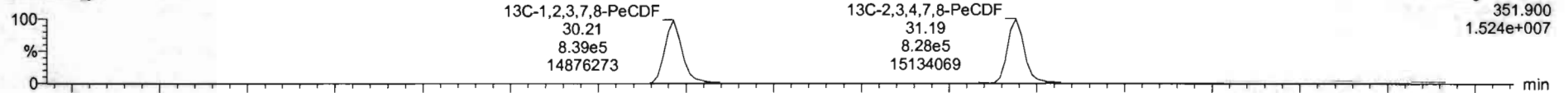
200528R2_2



F2:Voltage SIR,EI+
341.857
2.351e+005

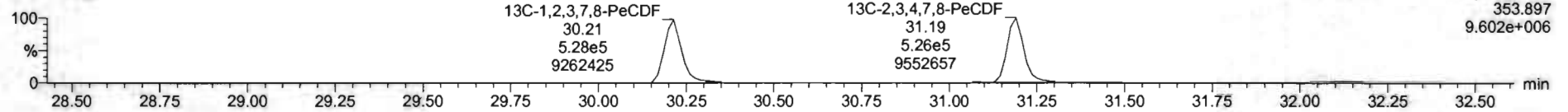
13C-1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
351.900
1.524e+007

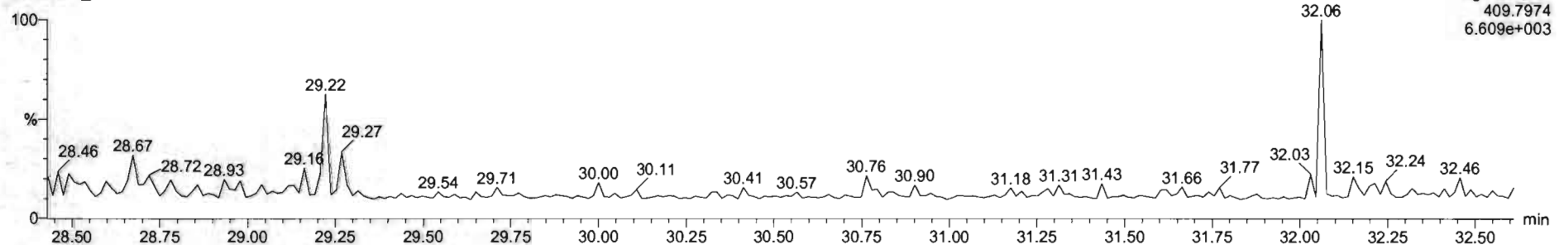
200528R2_2



F2:Voltage SIR,EI+
353.897
9.602e+006

DPE2

200528R2_2



F2:Voltage SIR,EI+
409.7974
6.609e+003

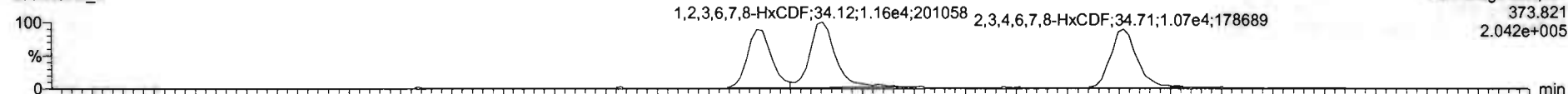
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
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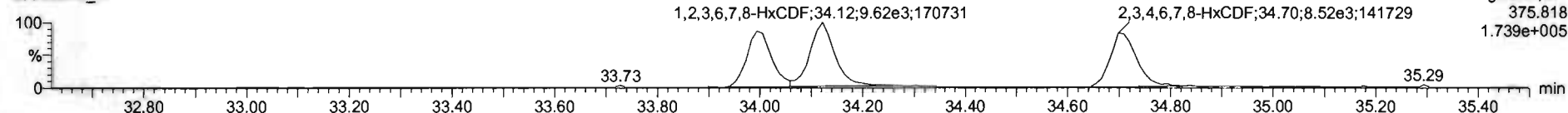
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1,2,3,4,7,8-HxCDF

200528R2_2

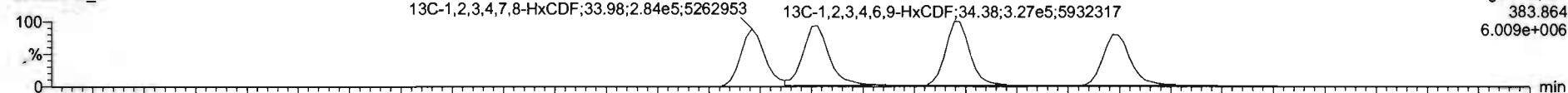


200528R2_2

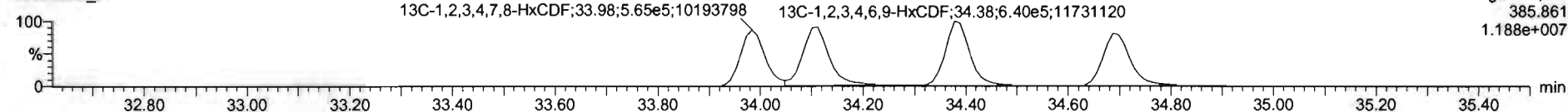


13C-1,2,3,4,7,8-HxCDF

200528R2_2

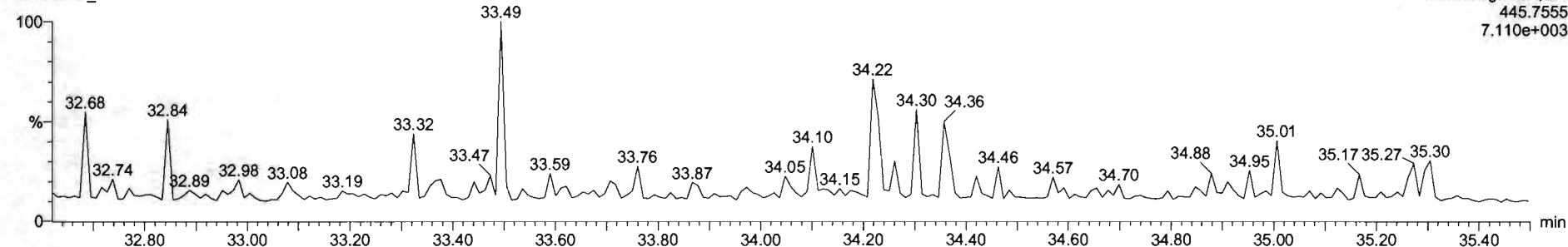


200528R2_2

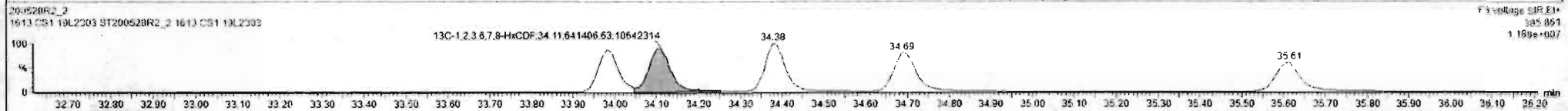
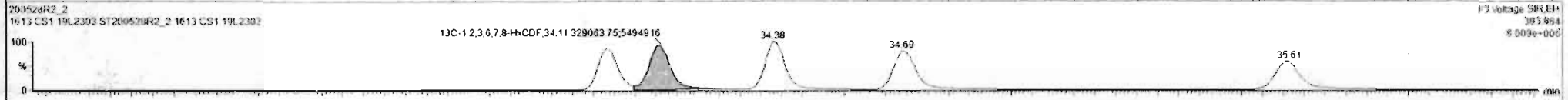
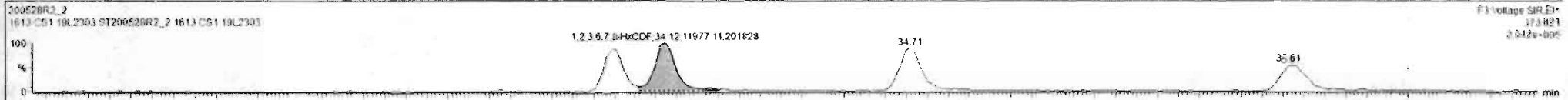


DPE3

200528R2_2



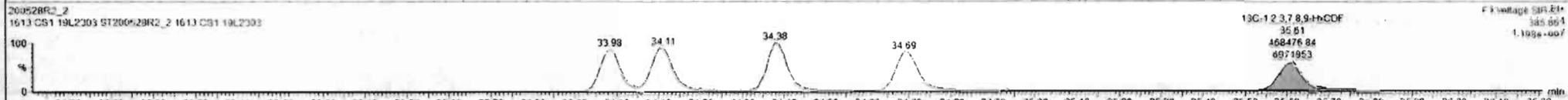
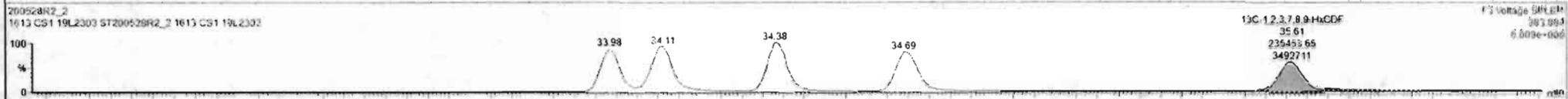
#	Name	Resp	RA	nby	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.69e3	0.76	NO	0.8963	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2	1,2,3,7,8-PeCDD	2.12e4	0.64	NO	0.9051	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3	1,2,3,4,7,8-HxCDD	1.69e4	1.27	NO	1.0334	1.000	34.86	1.000	2.53	101	0.0774	2.53
4	1,2,3,6,7,8-HxCDD	1.90e4	1.25	NO	0.8979	1.000	34.99	1.001	2.47	98.5	0.0747	3.47
5	1,2,3,7,9-HxCDD	1.62e4	1.21	NO	0.8269	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6	1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8639	1.000	36.51	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9126	1.000	41.77	1.000	4.97	99.4	0.149	4.97
8	2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.468	97.7	0.0620	0.468
9	1,2,3,7,8-PeCDF	3.08e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10	2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9340	1.000	31.21	1.000	2.52	101	0.0395	2.52
11	1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8545	1.000	33.99	1.000	2.41	96.3	0.0665	3.41
12	1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.6552	1.000	34.12	1.000	2.50	100	0.0542	2.50
13	2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9341	1.000	34.71	1.001	2.38	95.3	0.0702	2.38
14	1,2,3,7,8,9-HxCDF	1.46e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15	1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16	1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17	OCDF	2.40e4	0.84	NO	0.8085	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18	1,2,3,7,8-TCDF	1.79e6	0.79	NO	1.1563	1.000	26.54	1.025	89.8	89.8	0.0928	
19	1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	68.7	68.7	0.113	
20	1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7750	1.000	34.87	1.014	85.9	85.9	0.183	
21	1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.96	1.017	87.7	87.7	0.140	



Custom Reporting: Select reports to generate

200528R2_2 CAP NUM

#	Name	Resp	RA	ntf	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.99e3	0.76	NO	0.8843	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2	1,2,3,7,8-PeCDD	2.12e4	0.84	NO	0.9051	1.000	31.51	1.000	2.50	99.3	0.0401	2.50
3	1,2,3,4,7,8-HxCDD	1.05e4	1.27	NO	1.0334	1.000	34.85	1.000	2.53	101	0.0774	2.53
4	1,2,3,6,7,8-HxCDD	1.90e4	1.25	NO	0.8973	1.000	34.99	1.001	2.47	98.5	0.0747	2.47
5	1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8865	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6	1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.9038	1.000	36.81	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9126	1.000	41.77	1.000	4.97	99.4	0.149	4.97
8	2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.468	97.7	0.0620	0.468
9	1,2,3,7,8-PeCDF	3.05e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10	2,3,4,7,8-PeCDF	0.15e4	1.55	NO	0.9346	1.000	31.21	1.000	2.52	101	0.0395	2.52
11	1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12	1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8882	1.000	34.12	1.000	2.50	100	0.0642	2.50
13	2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9341	1.000	34.71	1.001	2.36	96.3	0.0702	2.36
14	1,2,3,7,8,9-HxCDF	1.48e4	1.12	NO	0.8787	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15	1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16	1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17	OCDF	2.40e4	0.84	NO	0.8865	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18	13C-2,3,7,8-TCDD	1.29e6	0.79	NO	1.1562	1.000	26.54	1.025	89.8	89.8	0.0528	
19	13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	88.7	88.7	0.113	
20	13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7750	1.000	34.87	1.014	85.9	85.9	0.183	
21	13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0157	1.000	34.96	1.017	87.7	87.7	0.140	



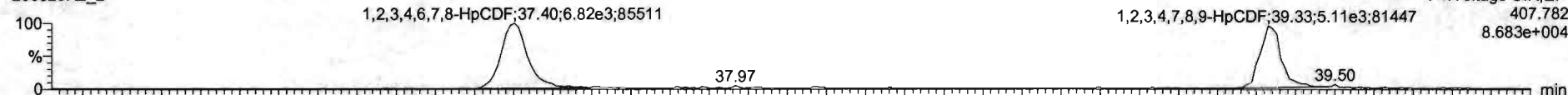
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

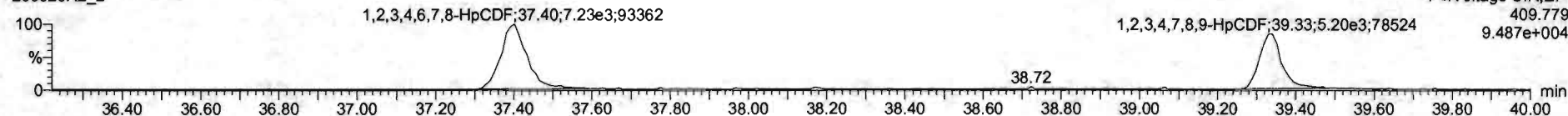
1,2,3,4,6,7,8-HpCDF

200528R2_2



F4:Voltage SIR,EI+
407.782
8.683e+004

200528R2_2



F4:Voltage SIR,EI+
409.779
9.487e+004

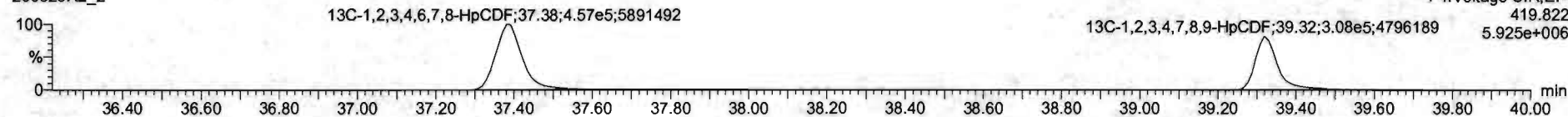
13C-1,2,3,4,6,7,8-HpCDF

200528R2_2



F4:Voltage SIR,EI+
417.825
2.595e+006

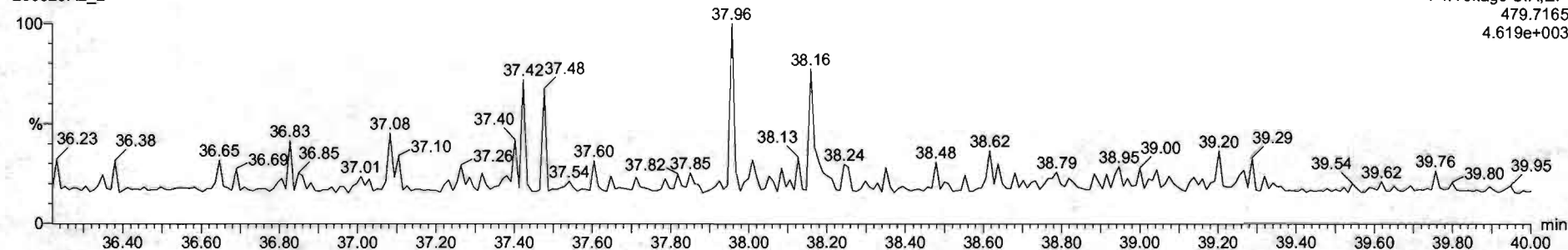
200528R2_2



F4:Voltage SIR,EI+
419.822
5.925e+006

DPE4

200528R2_2



F4:Voltage SIR,EI+
479.7165
4.619e+003

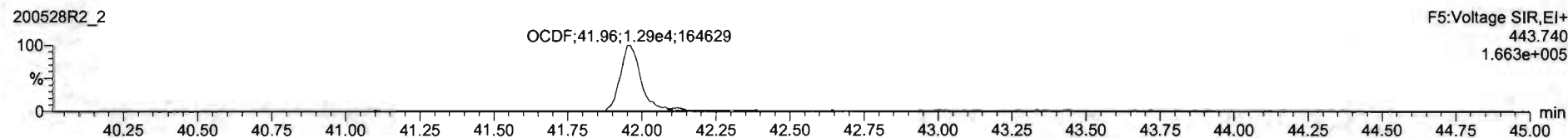
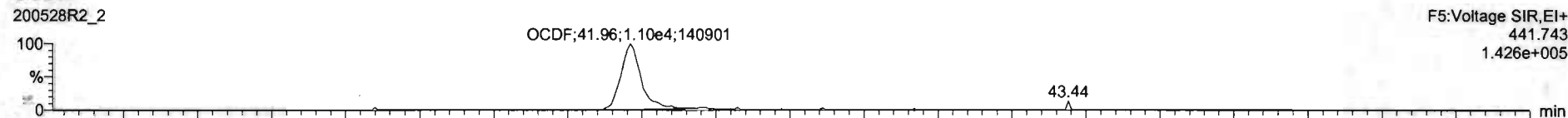
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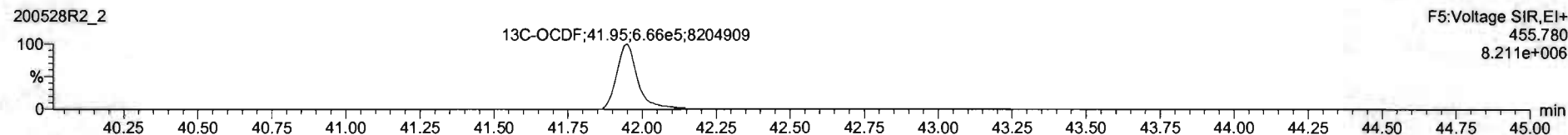
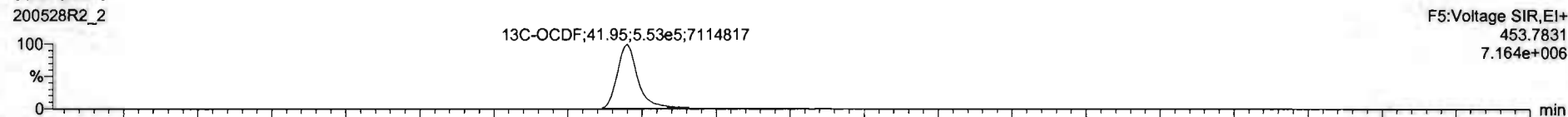
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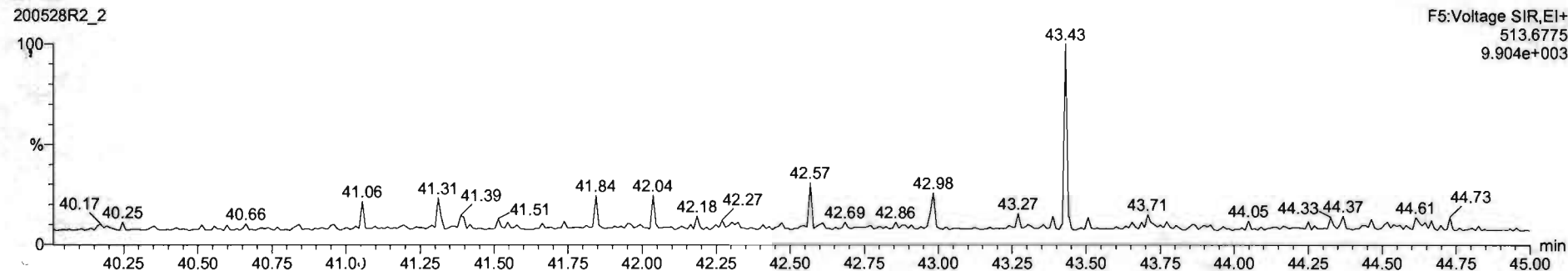
OCDF



13C-OCDF



DPE5



Name	Resp	RA	ntj	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.64	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.85e4	1.27	NO	1.0334	1.000	24.85	1.000	2.53	101	0.0774	2.53
4 1,2,3,6,7,8-HxCDD	1.96e4	1.25	NO	0.8923	1.000	24.99	1.001	2.47	96.9	0.0747	2.47
5 1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8869	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6 1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8638	1.000	36.81	1.001	2.33	92.3	0.0613	2.33
7 OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	99.4	0.148	4.97
8 2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.488	97.7	0.0670	0.488
9 1,2,3,7,8-PeCDF	3.09e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10 2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9348	1.000	31.21	1.000	2.52	101	0.0395	2.52
11 1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12 1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8892	1.000	34.12	1.000	2.50	100	0.0642	2.50
13 2,3,4,6,7,8-HxCDF	1.93e4	1.28	NO	0.9341	1.000	34.21	1.001	2.38	95.3	0.0702	2.38
14 1,2,3,7,8,9-HxCDF	1.42e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15 1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16 1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0126	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17 OCDF	2.40e4	0.84	NO	0.8085	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18 13C-2,3,7,8-TCDD	1.29e0	0.79	NO	1.1563	1.000	26.54	1.025	39.3	89.8	0.0928	
19 13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	88.7	88.7	0.113	
20 13C-1,2,3,4,7,8-HxCDD	5.46e5	1.28	NO	0.7790	1.000	24.87	1.014	85.9	85.9	0.183	
21 13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.96	1.017	87.7	87.7	0.140	



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200528R2_2

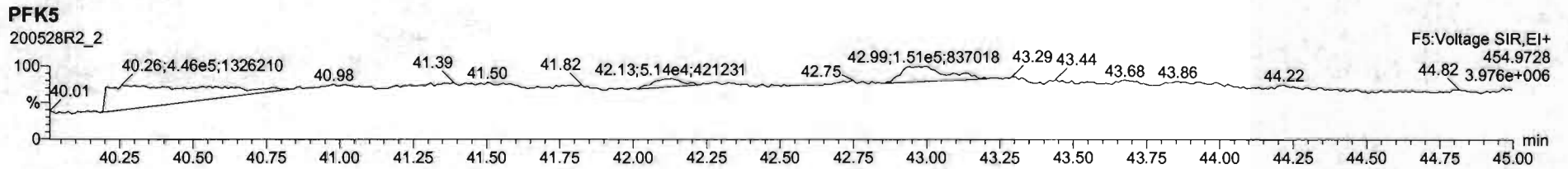
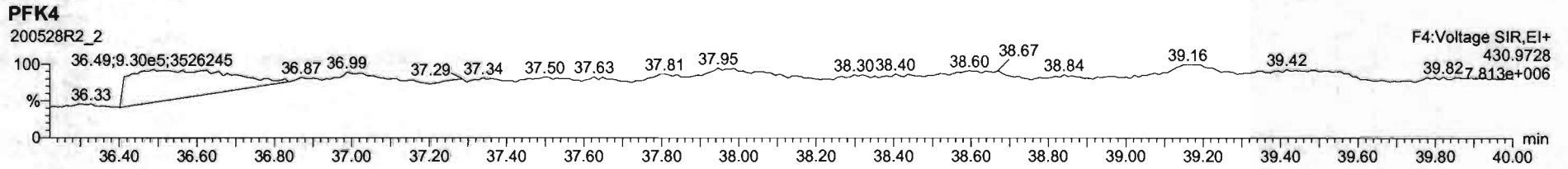
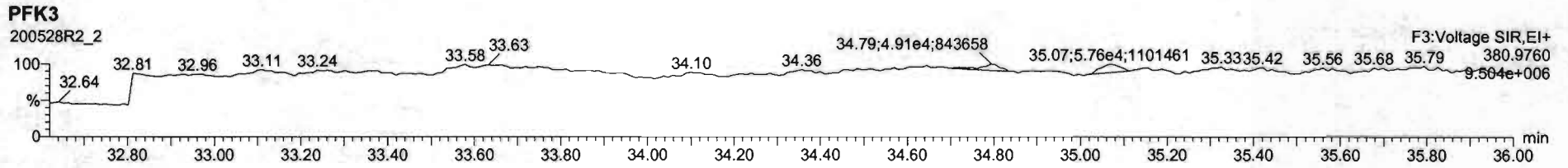
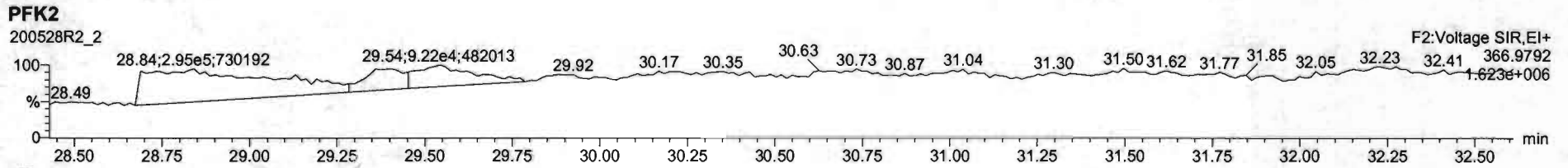
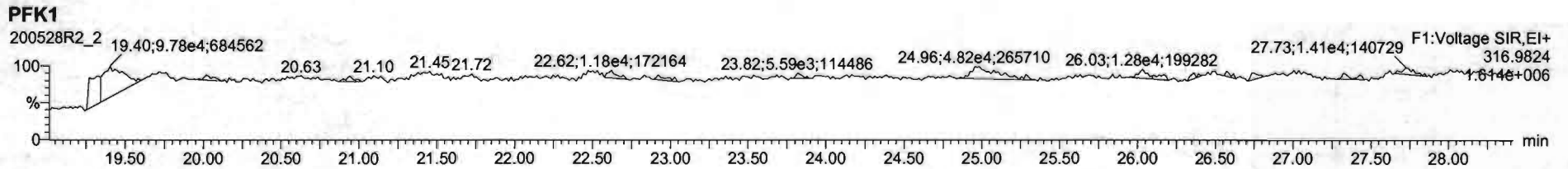
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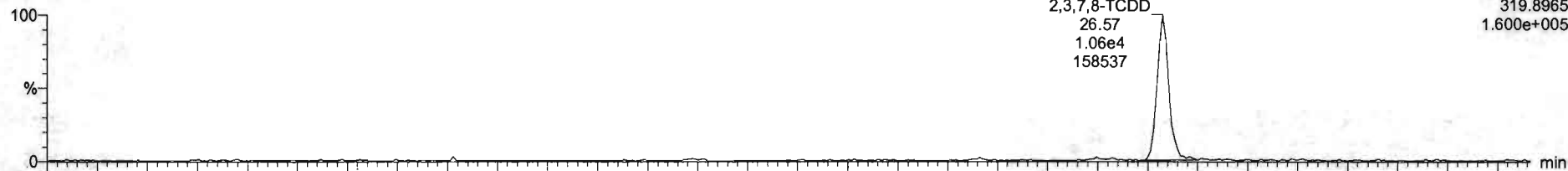
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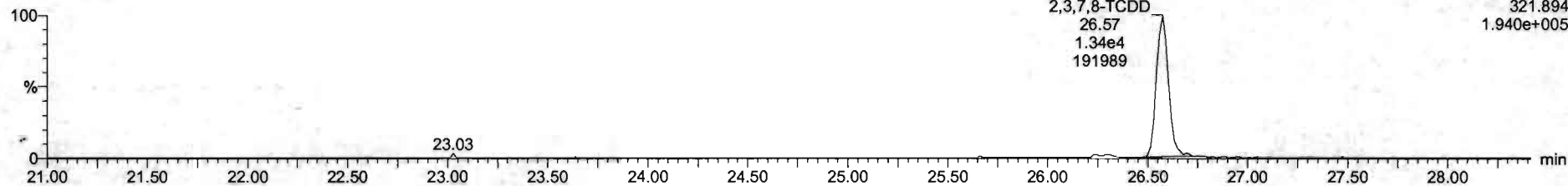
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2,3,7,8-TCDD

200528R2_3

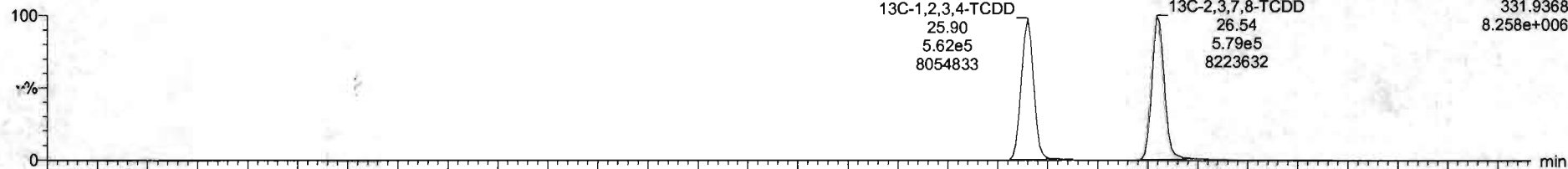


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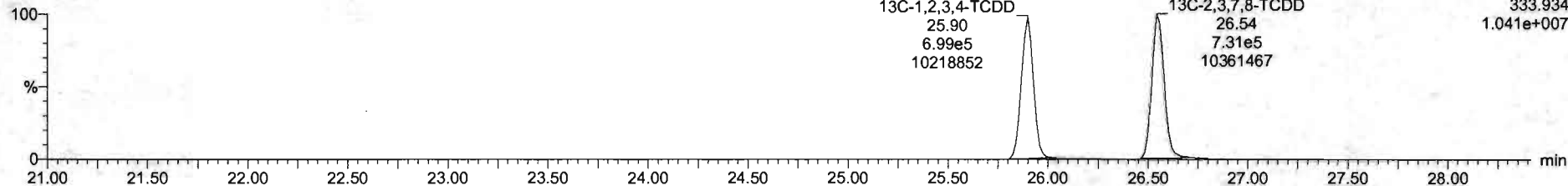


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200528R2_3



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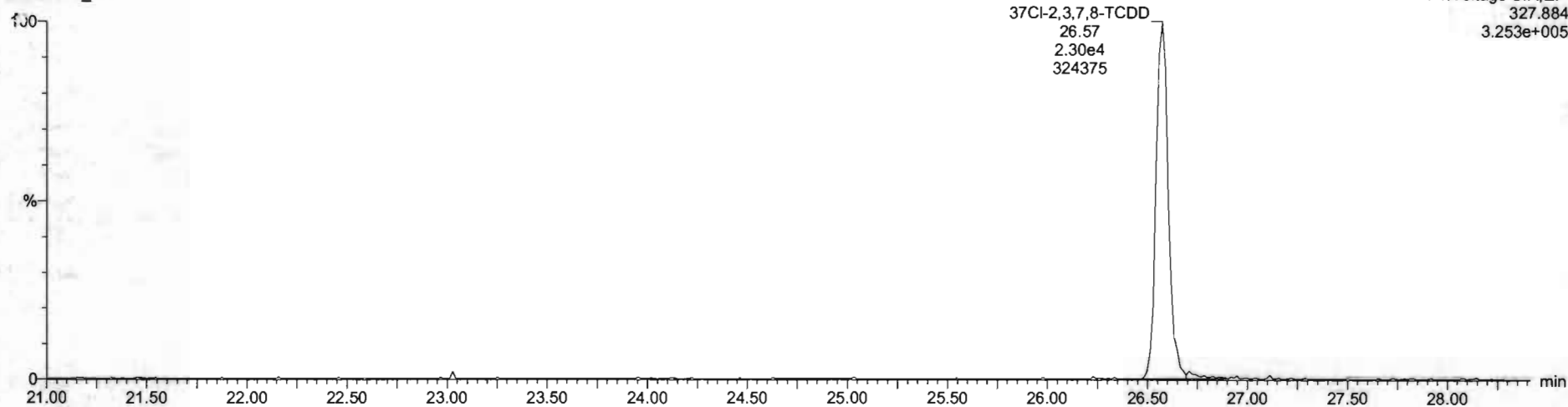
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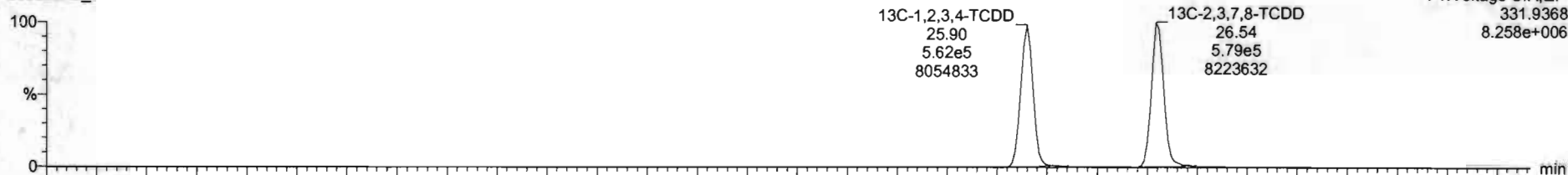
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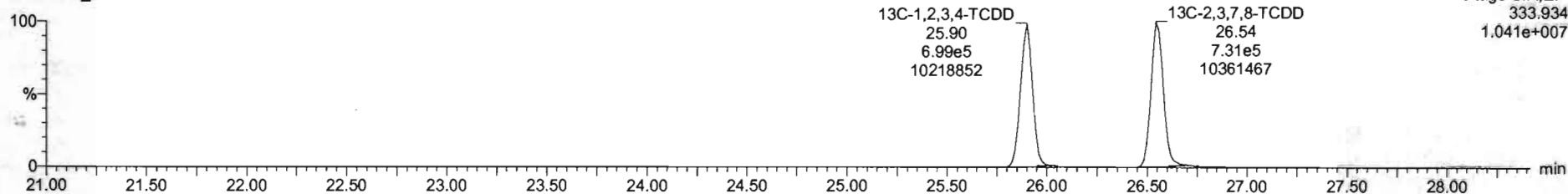


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200528R2_3



200528R2_3



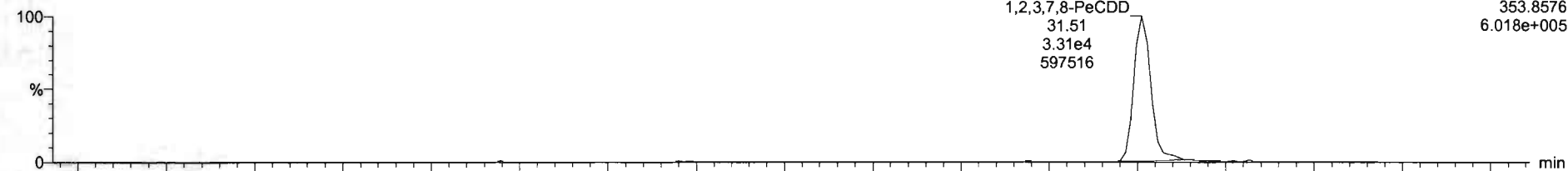
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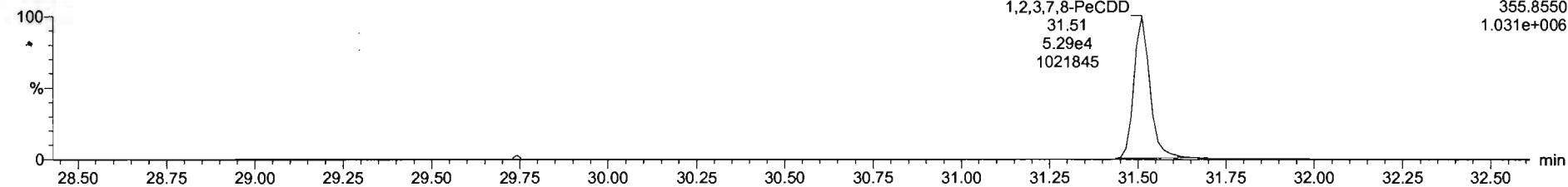
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1,2,3,7,8-PeCDD

200528R2_3

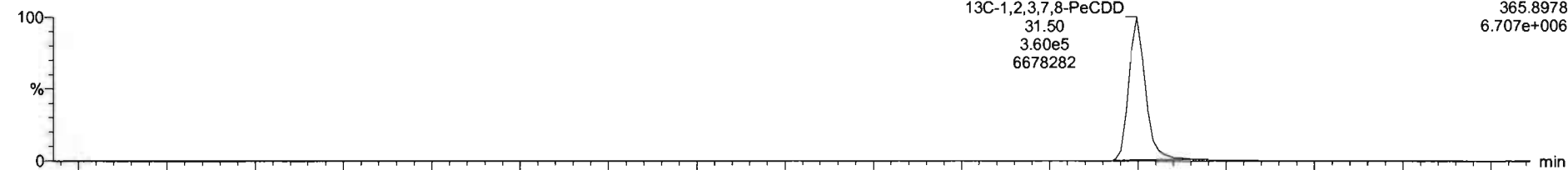


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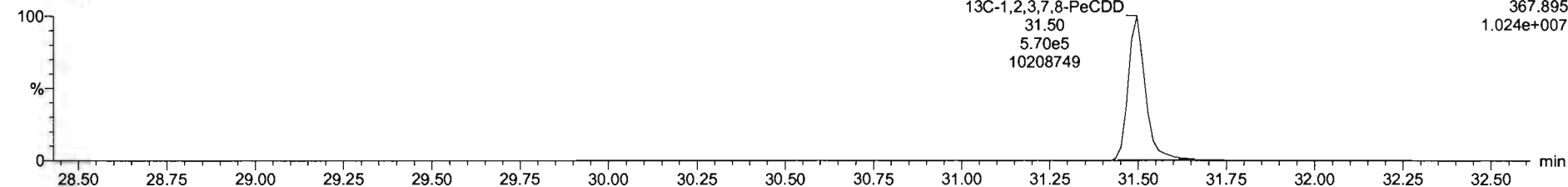


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200528R2_3



200528R2_3



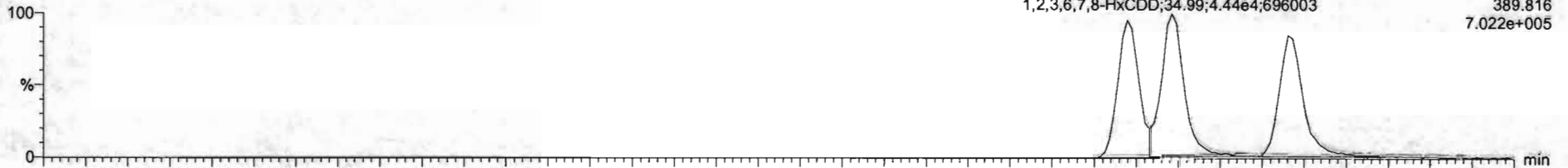
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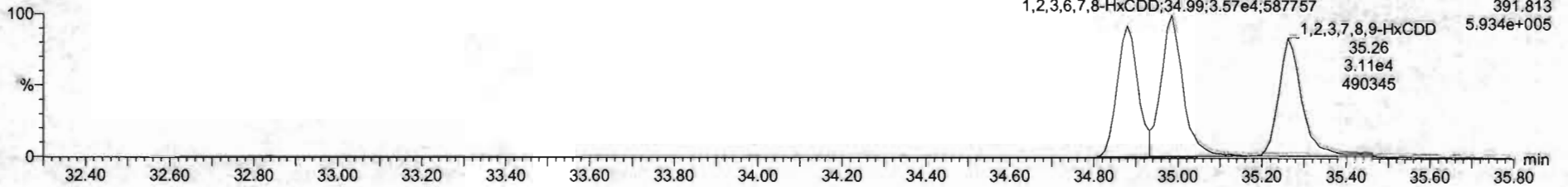
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1,2,3,4,7,8-HxCDD

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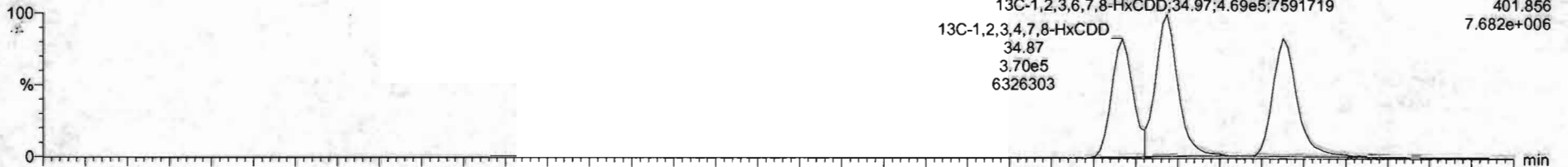


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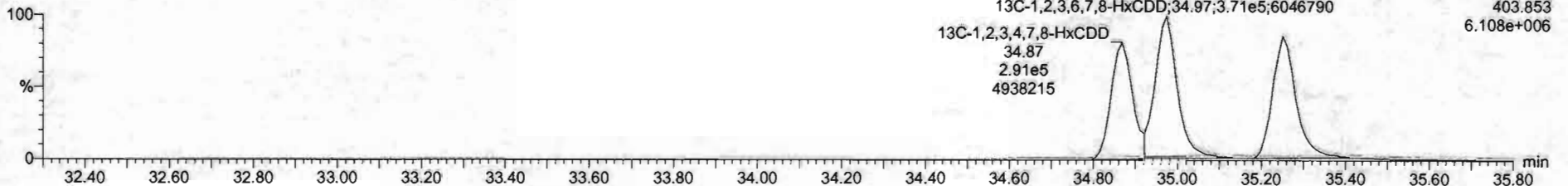


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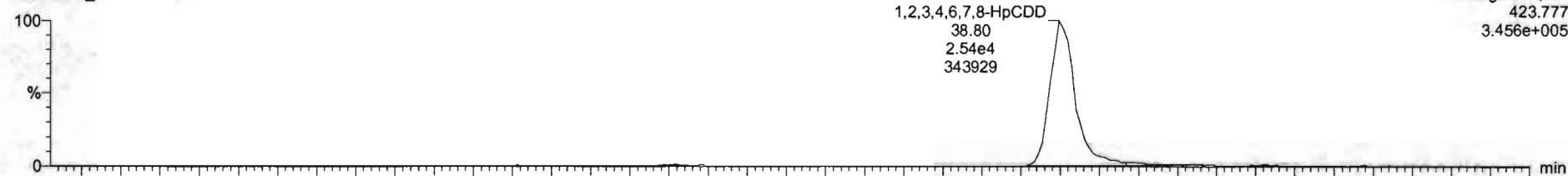
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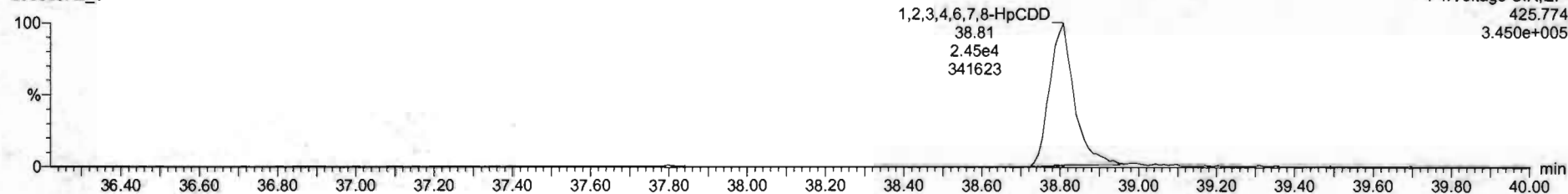
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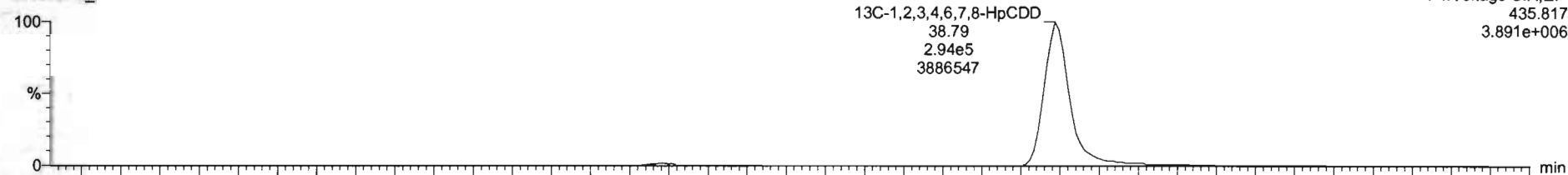


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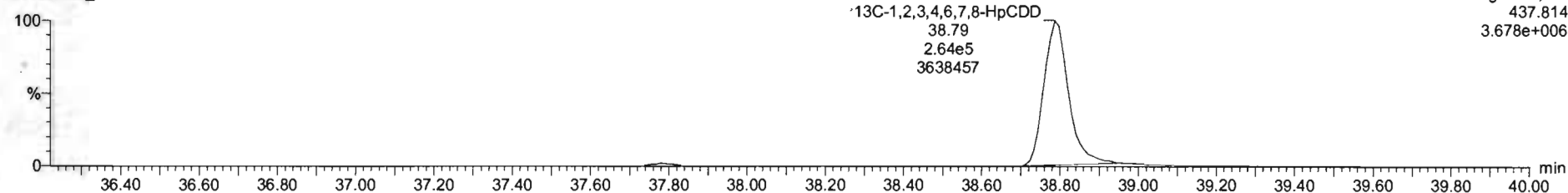


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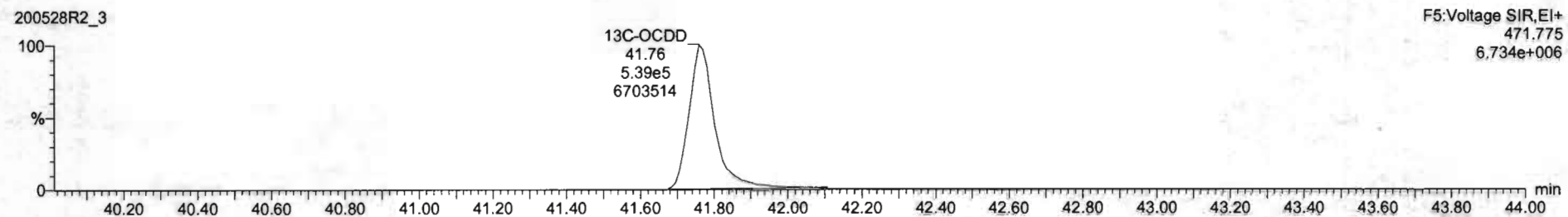
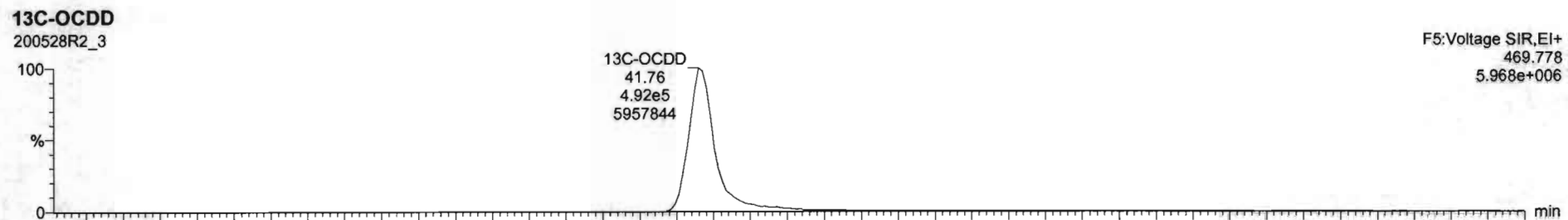
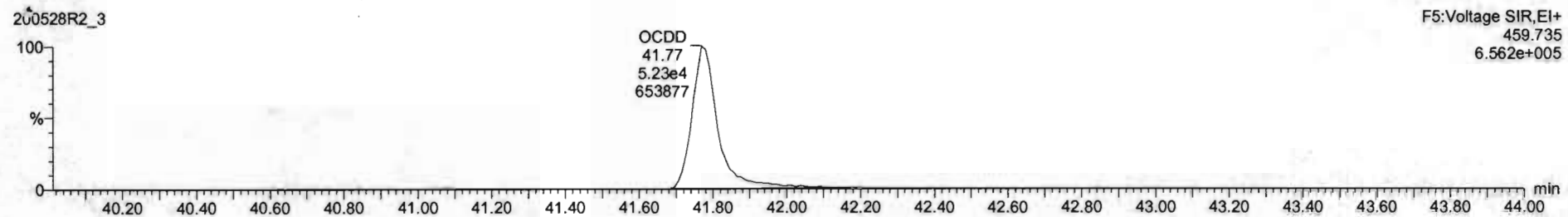
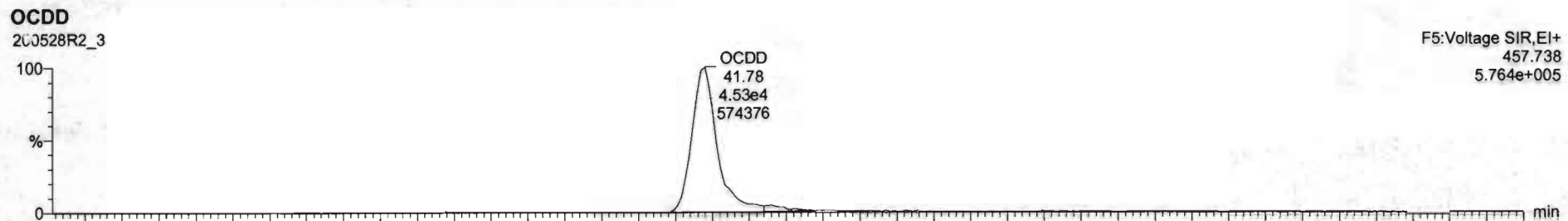
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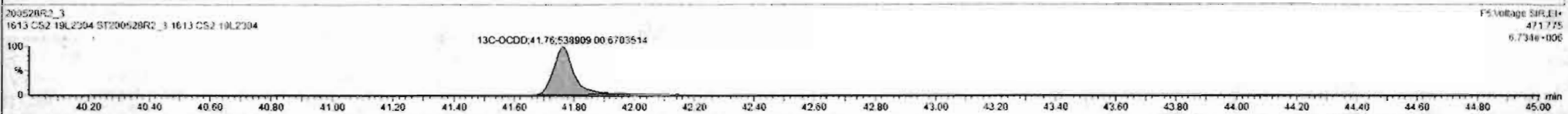
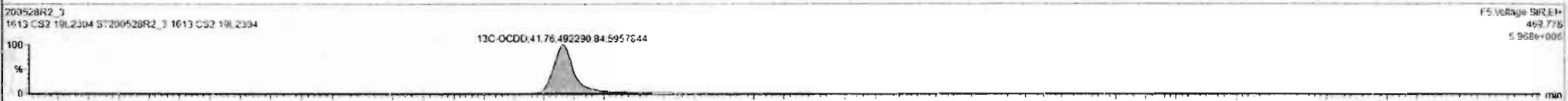
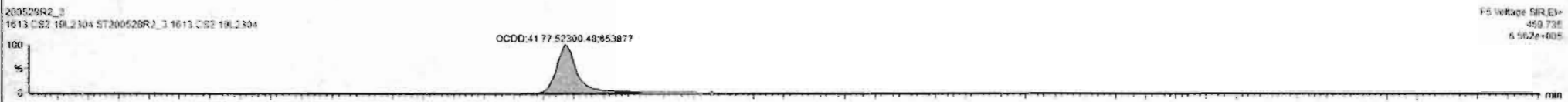
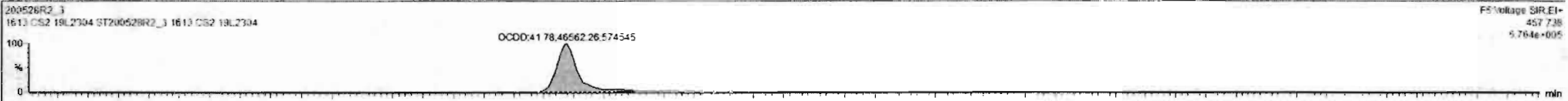
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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



Name	Resp	RA	n/y	RHF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.40e4	0.30	NO	0.8983	1.000	26.57	1.001	2.05	103	0.0278	2.96
2 1,2,3,7,8-PeCDD	5.50e4	0.63	NO	0.9081	1.000	31.51	1.000	10.2	102	0.0400	10.2
3 1,2,3,4,7,8-HxCDD	6.94e4	1.24	NO	1.0324	1.000	34.88	1.000	10.2	102	0.0561	10.2
4 1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8523	1.000	34.99	1.000	10.7	107	0.0559	10.7
5 1,2,3,7,8,9-HxCDD	7.01e4	1.26	NO	0.8265	1.000	35.26	1.000	10.5	105	0.0679	10.5
6 1,2,3,4,6,7,8-HpCDD	4.59e4	1.93	NO	0.8639	1.000	36.50	1.000	10.4	104	0.0797	10.4
7 OCDD	9.65e4	0.39	NO	0.9136	1.000	41.76	1.000	21.0	105	0.109	21.0
8 2,3,7,8-TCDF	2.67e4	0.74	NO	0.7510	1.000	26.68	1.001	1.97	96.6	0.0321	1.97
9 1,2,3,7,8-PeCDF	1.31e5	1.55	NO	0.8925	1.000	30.23	1.000	10.7	107	0.0517	10.7
10 2,3,4,7,8-PeCDF	1.34e5	1.55	NO	0.9346	1.000	31.21	1.000	10.4	104	0.0475	10.4
11 1,2,3,4,7,8-HxCDF	7.91e4	1.22	NO	0.8545	1.000	34.81	1.001	10.6	106	0.0661	10.6
12 1,2,3,6,7,8-HxCDF	5.20e4	1.28	NO	0.8892	1.000	34.12	1.000	10.3	103	0.0595	10.3
13 2,3,4,6,7,8-HxCDF	6.53e4	1.25	NO	0.9341	1.000	34.71	1.000	10.5	105	0.0660	10.5
14 1,2,3,7,8,9-HxCDF	6.49e4	1.24	NO	0.8707	1.000	35.62	1.000	10.3	103	0.0961	10.3
15 1,2,3,4,6,7,8-HpCDF	5.72e4	1.00	NO	0.6734	1.000	37.40	1.001	10.1	101	0.0828	10.1
16 1,2,3,4,7,8,9-HpCDF	4.43e4	1.91	NO	1.0128	1.000	39.34	1.000	10.4	104	0.0861	10.4
17 OCDF	3.85e4	0.66	NO	0.8085	1.000	41.96	1.000	20.6	103	0.0967	20.6
18 13C-2,3,7,8-TCDD	1.31e6	0.79	NO	1.1583	1.000	26.54	1.025	29.3	89.6	0.0659	
19 13C-1,2,3,7,8-PeCDD	9.29e5	0.63	NO	0.8450	1.000	31.50	1.216	86.8	86.8	0.123	
20 13C-1,2,3,4,7,8-HxCDD	6.61e5	1.27	NO	0.7790	1.000	34.87	1.014	87.0	87.0	0.189	
21 13C-1,2,3,6,7,8-HxCDD	6.39e5	1.26	NO	1.0167	1.000	34.97	1.017	84.7	84.7	0.145	



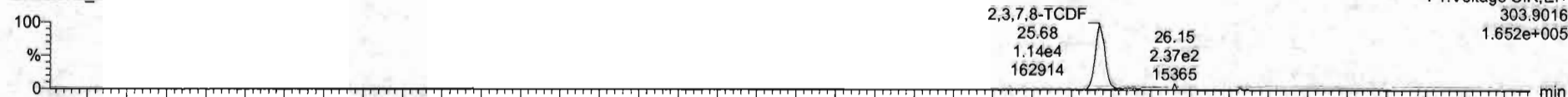
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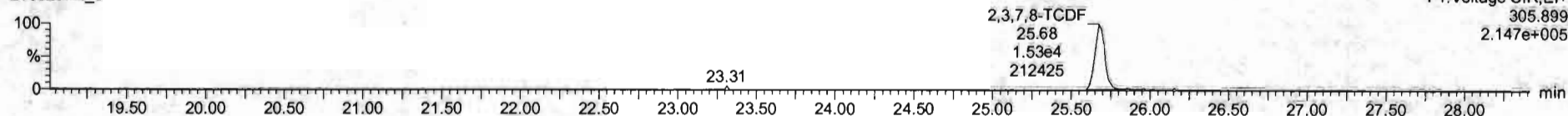
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2,3,7,8-TCDF

200528R2_3

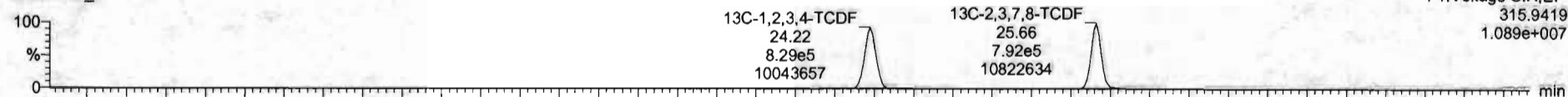


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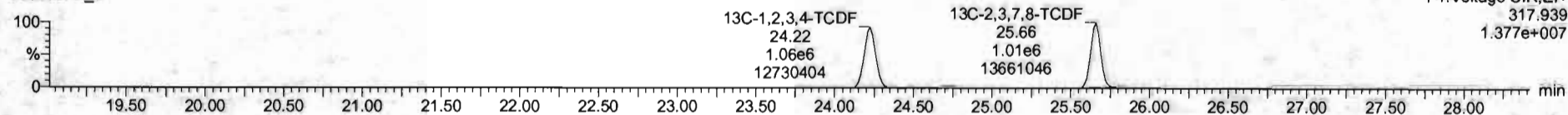


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200528R2_3

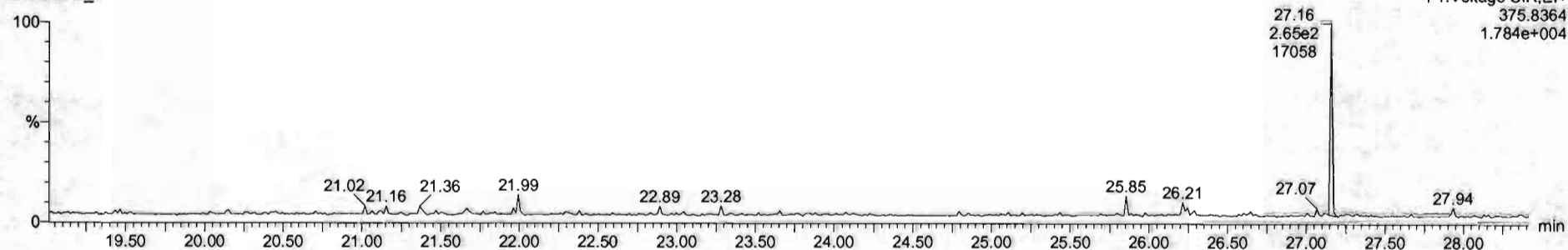


200528R2_3



DPE1

200528R2_3



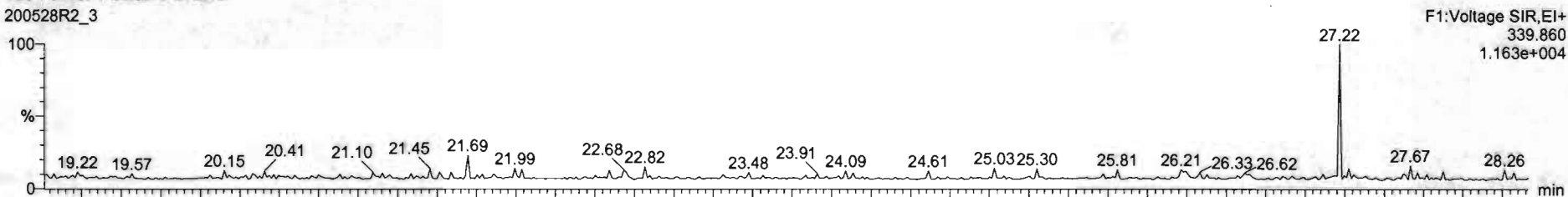
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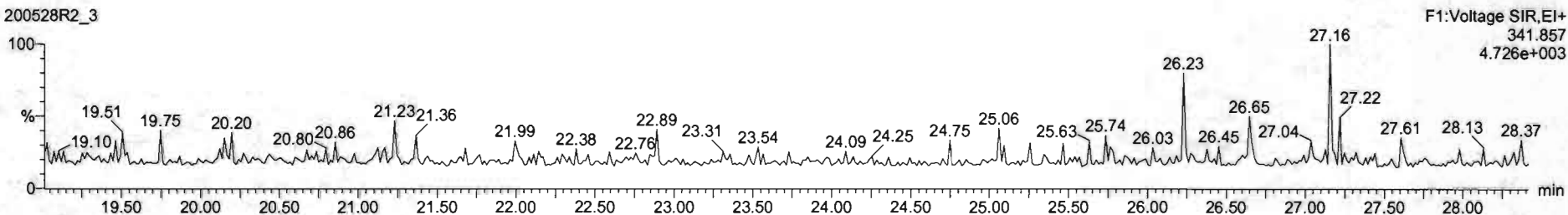
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1st Func. Penta-Furans

200528R2_3

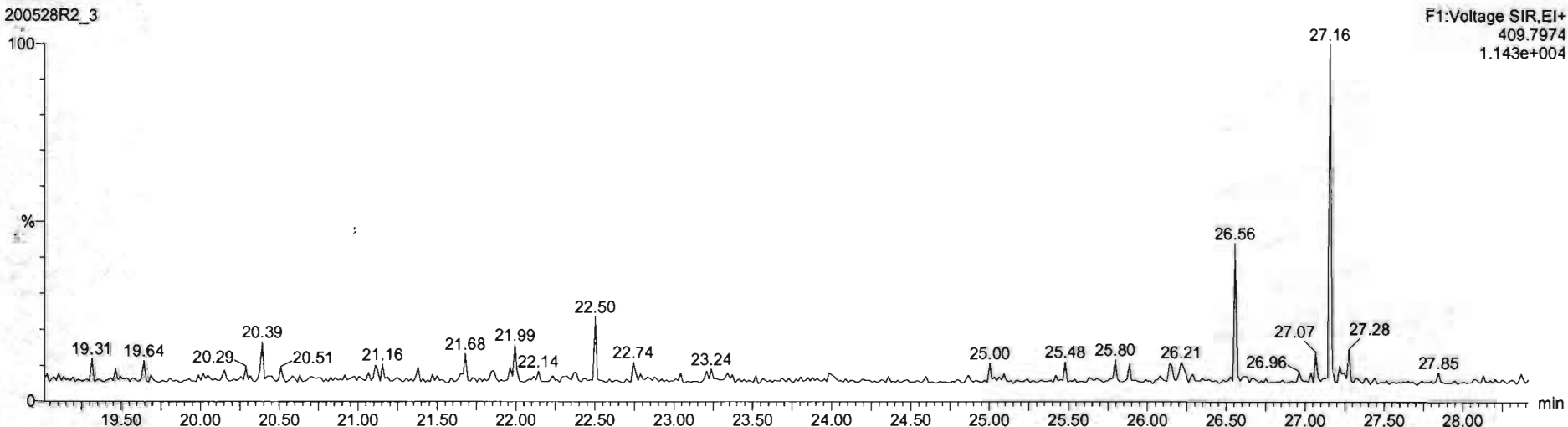


200528R2_3



DPE6

200528R2_3



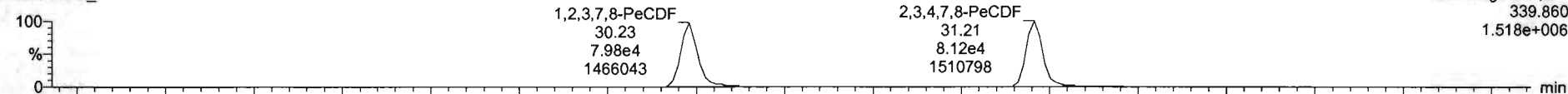
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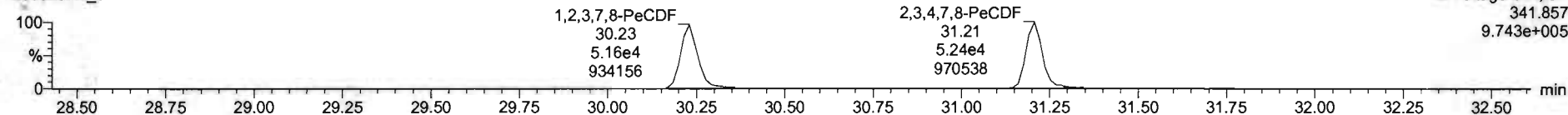
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1,2,3,7,8-PeCDF

200528R2_3

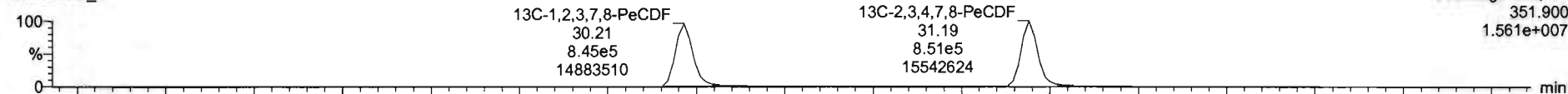


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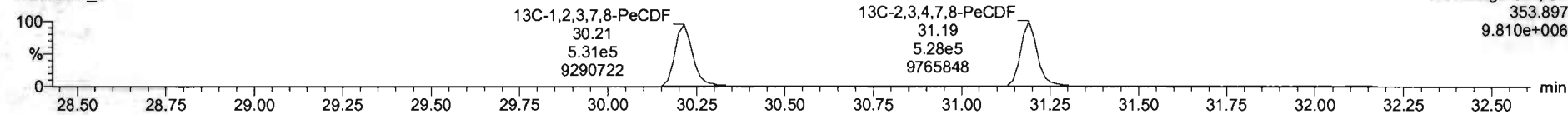


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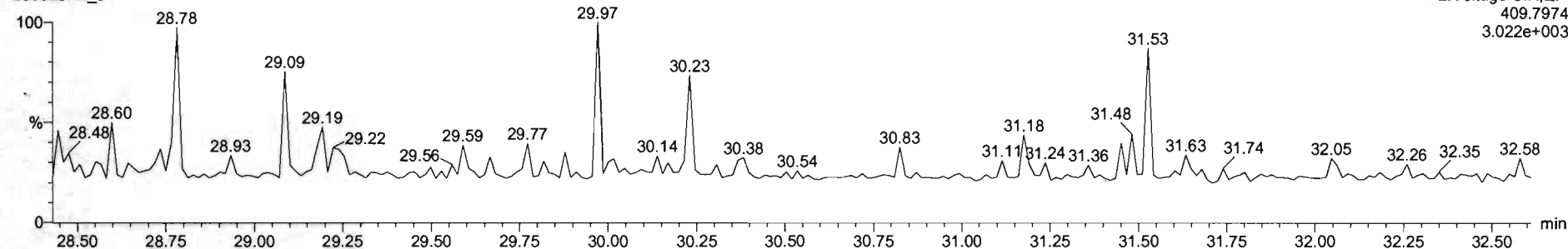


200528R2_3



DPE2

200528R2_3



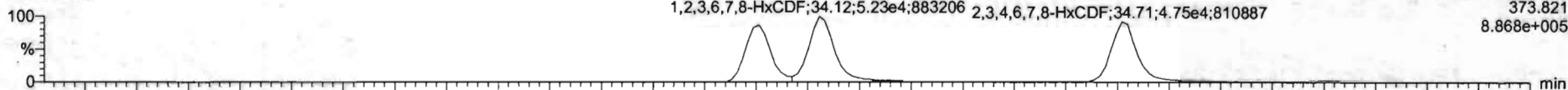
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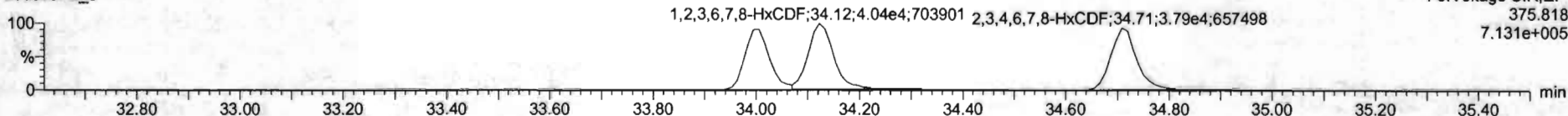
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1,2,3,4,7,8-HxCDF

200528R2_3

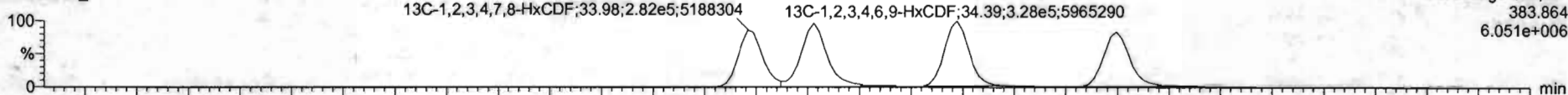


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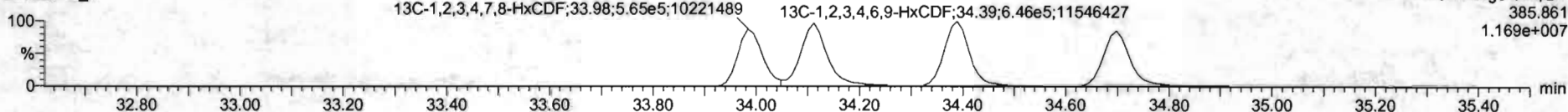


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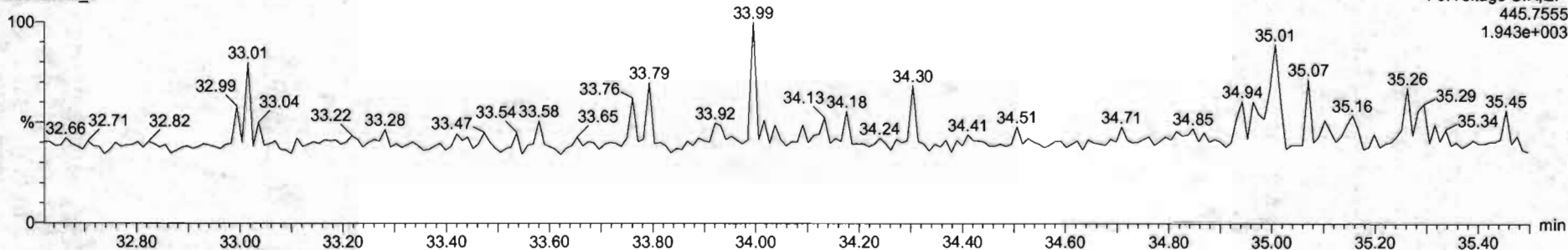


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200528R2_3

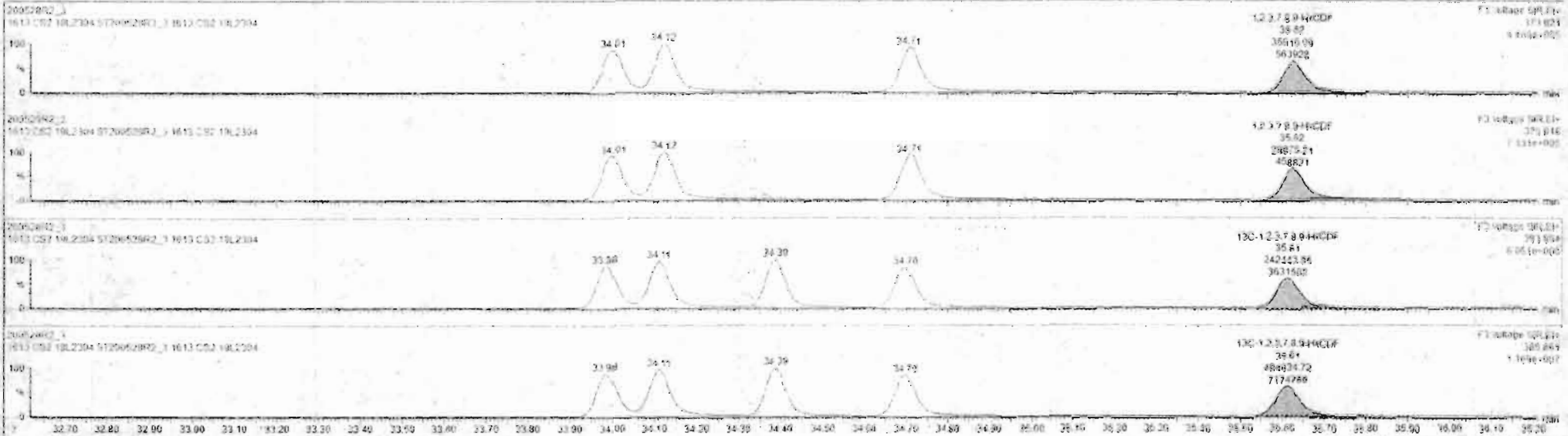


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1	1,2,3,6,7-CDD	2.58e4	0.39	NO	0.8883	1.000	26.57	1.001	2.08	103	0.0270	2.08
2	1,2,3,7,8-PeCDD	5.58e4	0.43	NO	0.9051	1.000	31.51	1.000	10.2	102	0.0400	10.2
3	1,2,3,4,7,8-HxCDD	5.94e4	1.24	NO	1.0334	1.000	34.88	1.000	16.2	102	0.0531	16.2
4	1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8923	1.000	34.95	1.000	16.7	107	0.0558	16.7
5	1,2,3,7,8,9-HxCDD	7.01e4	1.26	NO	0.9269	1.000	35.26	1.000	16.1	105	0.0670	16.1
6	1,2,3,4,6,7,8-HpCDD	1.99e4	1.02	NO	0.8839	1.000	39.80	1.000	16.4	104	0.0797	16.4
7	OCDD	9.89e4	0.39	NO	0.9136	1.000	41.75	1.000	21.0	105	0.1169	21.0
8	1,2,3,6,7,8-PeCDF	2.87e4	0.74	NO	0.7510	1.000	35.60	1.001	1.91	98.8	0.0211	1.91
9	1,2,3,7,8-PeCDF	1.31e5	1.58	NO	0.8025	1.000	36.23	1.000	10.7	107	0.0217	10.7
10	1,2,3,4,7,8-HxCDF	1.34e5	1.55	NO	0.9346	1.000	31.21	1.000	10.4	104	0.0475	10.4
11	1,2,3,6,7,8-HxCDF	7.91e4	1.22	NO	0.8545	1.000	34.01	1.001	10.5	106	0.0611	10.4
12	1,2,3,6,7,8-HpCDF	9.26e4	1.28	NO	0.8852	1.000	34.12	1.000	11.3	103	0.0595	10.3
13	1,2,3,4,7,8-HpCDF	8.03e4	1.21	NO	0.9191	1.000	34.71	1.000	10.5	105	0.0693	10.5
14	1,2,3,7,8,9-HpCDF	6.49e4	1.24	NO	0.9727	1.000	35.62	1.000	10.3	102	0.0911	10.3
15	1,2,3,4,6,7,8-HpCDF	3.72e4	1.00	NO	0.8734	1.000	37.40	1.001	10.1	101	0.0828	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	1.0128	1.000	39.34	1.000	10.4	104	0.0881	10.4
17	OCDF	5.58e4	0.36	NO	0.8585	1.000	41.90	1.000	26.3	103	0.0967	26.3
18	1,2,3,6,7,8-PeCDD	1.31e5	0.79	NO	1.1562	1.000	26.34	1.025	39.0	39.8	0.0819	
19	1,2,3,7,8-PeCDF	9.26e4	0.63	NO	0.8499	1.000	31.50	1.216	98.0	98.1	0.123	
20	1,2,3,4,7,8-HpCDD	6.61e5	1.27	NO	0.7790	1.000	24.97	1.014	37.6	37.3	0.149	
21	1,2,3,6,7,8-HpCDD	6.19e5	1.38	NO	1.0167	1.000	24.97	1.017	64.7	64.7	0.146	





#	Name	Range	ISA	city	RFP	wtVol	RT	RRT	Conc	%Rec	DI	EMPC
1	1,2,3,7,8-HxCDD	2.48e4	0.30	NO	0.8853	1.000	26.17	1.001	3.28	101	0.0079	2.01
2	1,2,3,7,8-PeCDD	5.55e4	0.80	NO	0.9041	1.000	31.21	1.002	10.2	102	0.0430	10.2
3	1,2,3,4,7,8-HxCDD	5.89e4	1.24	NO	1.0334	1.000	34.00	1.000	10.2	102	0.0511	10.2
4	1,2,3,6,7,8-HxCDD	1.01e4	1.24	NO	0.8921	1.000	34.99	1.000	10.7	101	0.0569	10.7
5	1,2,3,7,8,9-HxCDD	7.51e4	1.25	NO	0.8905	1.000	35.20	1.000	10.5	101	0.0670	10.5
6	1,2,3,4,6,7,8-HpCDD	4.99e4	1.03	NO	0.8838	1.000	28.00	1.000	10.4	104	0.0191	10.4
7	CDD	3.89e4	0.80	NO	0.9130	1.000	41.75	1.000	21.0	105	0.1005	21.0
8	1,2,3,7,8-HxCDF	2.87e4	0.74	NO	0.7510	1.000	25.09	1.001	1.91	98.6	0.0231	1.91
9	1,2,3,7,8-PeCDF	1.31e4	1.55	NO	0.9225	1.000	30.21	1.000	10.7	101	0.0517	10.7
10	1,2,3,4,7,8-HxCDF	1.38e4	1.55	NO	0.9245	1.000	31.21	1.000	10.5	104	0.0475	10.4
11	1,2,3,4,7,8-HpCDF	7.91e4	1.20	NO	0.8545	1.000	34.01	1.001	10.5	100	0.2683	10.5
12	1,2,3,6,7,8-HxCDF	4.26e4	1.25	NO	0.9092	1.000	34.12	1.000	10.2	103	0.0595	10.2
13	1,2,3,6,7,8-HpCDF	8.51e4	1.25	NO	0.9341	1.000	34.71	1.000	10.1	100	0.0600	10.1
14	1,2,3,7,8,9-HxCDF	6.49e4	1.24	NO	0.8787	1.000	35.81	1.000	10.3	102	0.0501	10.3
15	1,2,3,4,6,7,8-HpCDF	1.72e4	1.00	NO	0.8734	1.000	37.40	1.001	10.1	101	0.0820	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	0.8128	1.000	30.38	1.000	10.4	104	0.0601	10.4
17	CDF	3.66e4	0.60	NO	0.8985	1.000	41.96	1.000	25.4	103	0.0963	25.4
18	1,2,3,4,6,7,8,9-HxCDF	1.31e4	0.79	NO	1.1560	1.000	26.54	1.025	19.0	89.5	0.0663	
19	1,2,3,6,7,8,9-HxCDF	9.29e4	0.83	NO	0.9420	1.000	31.08	1.216	68.0	66.3	0.123	
20	1,2,3,4,7,8,9-HpCDD	2.61e4	1.27	NO	0.7798	1.000	34.07	1.034	57.0	87.0	0.189	
21	1,2,3,4,6,7,8,9-HxCDD	6.20e4	1.26	NO	1.0187	1.000	24.97	1.017	34.7	34.7	0.145	



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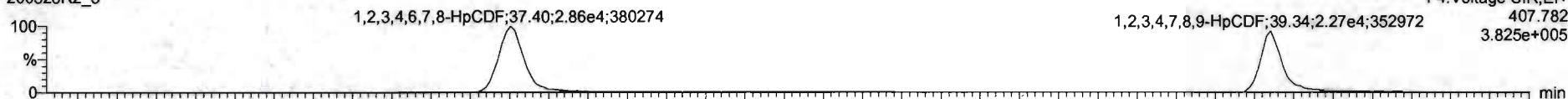
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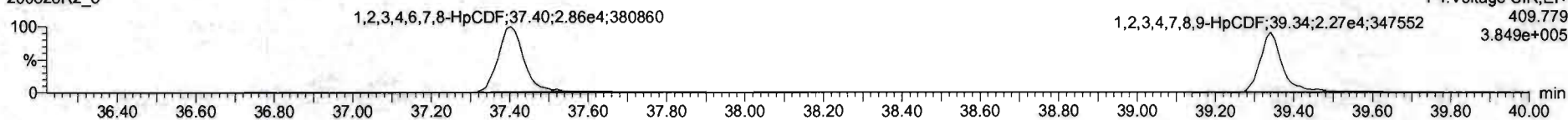
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200528R2_3

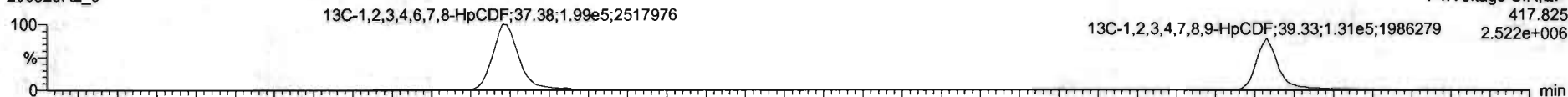


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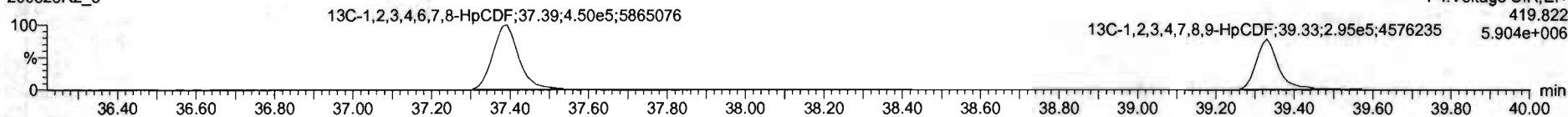


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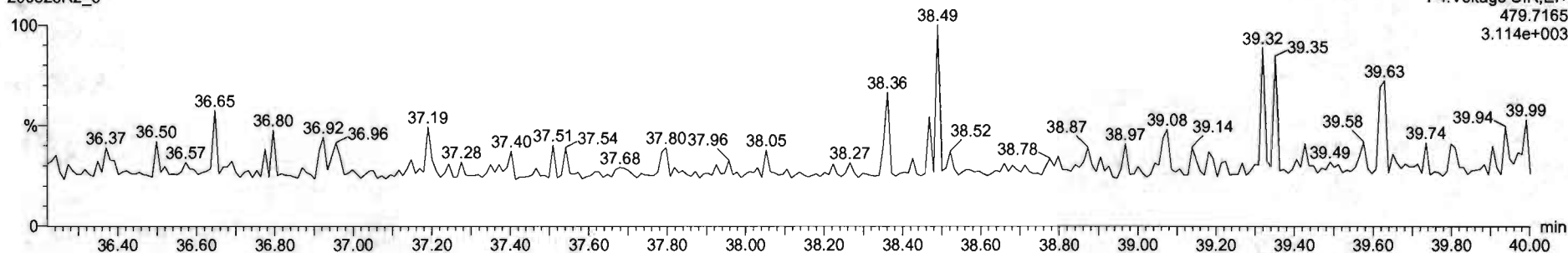


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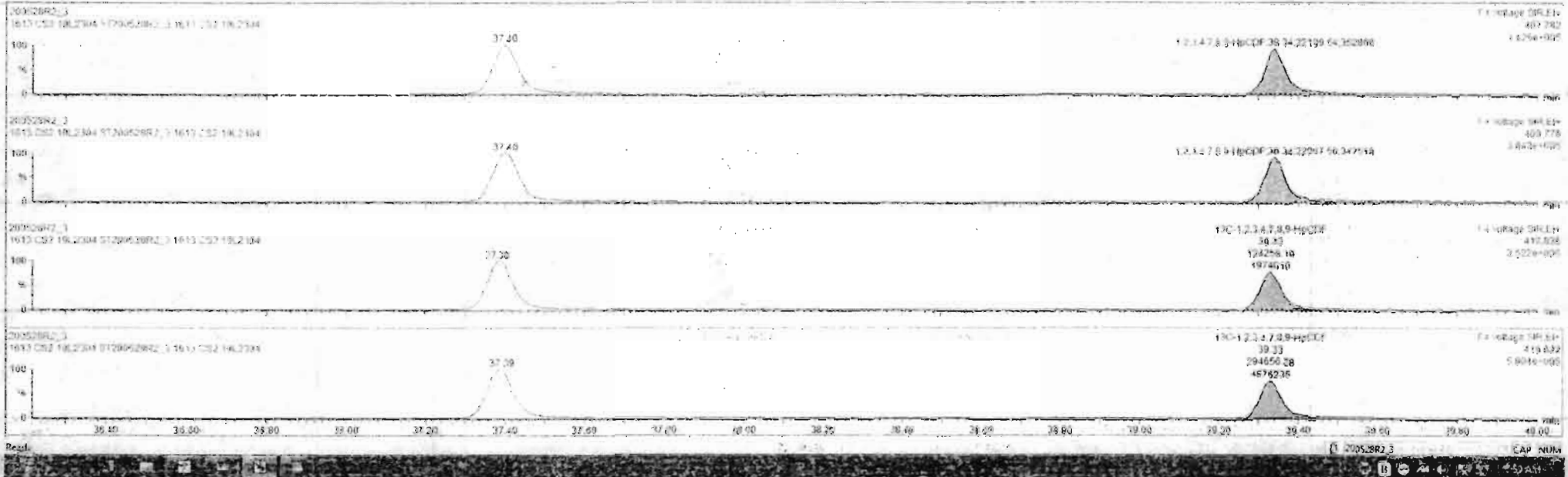
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1613 CS2 19.2304

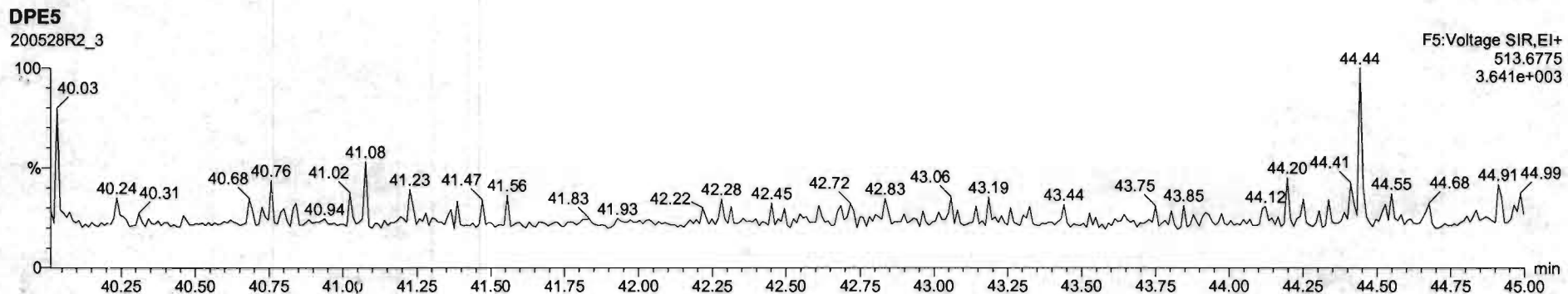
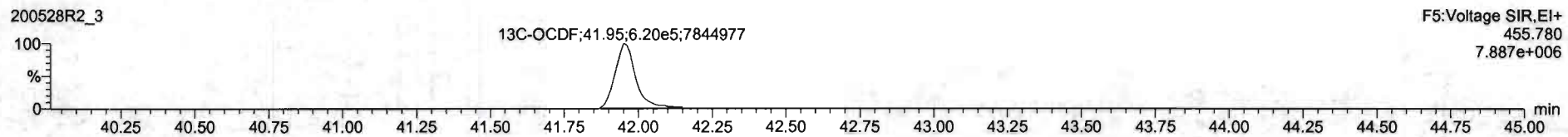
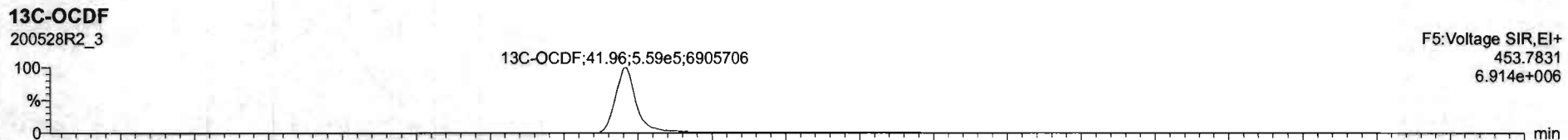
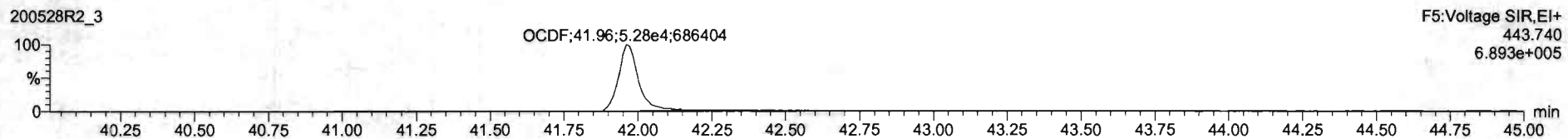
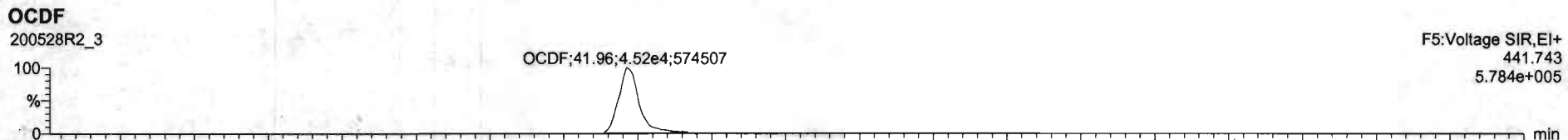
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2	1,2,3,7,8-PeCDF	1.50e4	0.03	NO	0.9091	1.00	31.01	1.000	10.0	107	0.0400	10.0
3	1,2,3,4,7,8-HxCDF	0.90e4	1.24	NO	1.0334	1.00	34.05	1.000	10.0	107	0.0501	10.0
4	1,2,3,6,7,8-HxCDF	0.01e4	1.04	NO	0.8623	1.00	34.36	1.000	10.0	107	0.0559	10.0
5	1,2,3,7,8-HxCDF	2.11e4	1.26	NO	0.8809	1.00	35.26	1.000	10.0	107	0.0579	10.0
6	1,2,3,4,6,7,8-HpCDF	1.90e4	1.02	NO	0.8639	1.00	35.90	1.000	10.0	104	0.0792	10.0
7	OCDF	0.00e4	0.00	NO	0.9106	1.00	31.75	1.000	21.0	105	0.100	21.0
8	2,3,7,8-TCDF	2.77e4	0.24	NO	0.7510	1.00	25.00	1.001	1.97	96.8	0.0101	1.97
9	1,2,3,7,8-HxCDF	1.15e4	1.90	NO	0.6902	1.00	30.23	1.000	10.0	107	0.0517	10.0
10	1,2,3,4,7,8-HxCDF	1.10e4	1.05	NO	0.9140	1.00	31.41	1.000	10.0	104	0.0475	10.0
11	1,2,3,4,7,8-HxCDF	2.91e4	1.02	NO	0.0640	1.00	34.05	1.001	10.0	106	0.0651	10.0
12	1,2,3,6,7,8-HxCDF	1.20e4	1.00	NO	0.9042	1.00	34.12	1.000	10.0	103	0.0595	10.0
13	2,3,4,7,8-HxCDF	0.50e4	1.05	NO	0.9341	1.00	34.71	1.000	10.0	105	0.0690	10.0
14	1,2,3,7,8-HxCDF	0.40e4	1.24	NO	0.9202	1.00	31.92	1.000	10.0	103	0.0601	10.0
15	1,2,3,4,6,7,8-HpCDF	1.70e4	1.00	NO	0.9234	1.00	37.40	1.001	10.0	101	0.0820	10.0
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.03	NO	1.0120	1.00	39.34	1.000	10.0	104	0.0681	10.0
17	OCDF	0.00e4	0.00	NO	0.9060	1.00	41.30	1.000	26.0	103	0.0807	26.0
18	1,2,3,4,7,8-HxCDF	1.31e4	0.76	NO	1.1503	1.00	26.34	1.000	00.0	39.0	0.0800	00.0
19	1,2,3,4,7,8-HxCDF	0.90e4	0.03	NO	0.8450	1.00	33.10	1.016	00.0	00.0	0.123	00.0
20	1,2,3,4,7,8-HxCDF	0.61e4	1.27	NO	0.7790	1.00	34.07	1.014	00.0	07.0	0.100	00.0
21	1,2,3,4,7,8-HxCDF	0.30e4	1.20	NO	1.0107	1.00	34.07	1.017	04.7	04.7	0.140	00.0



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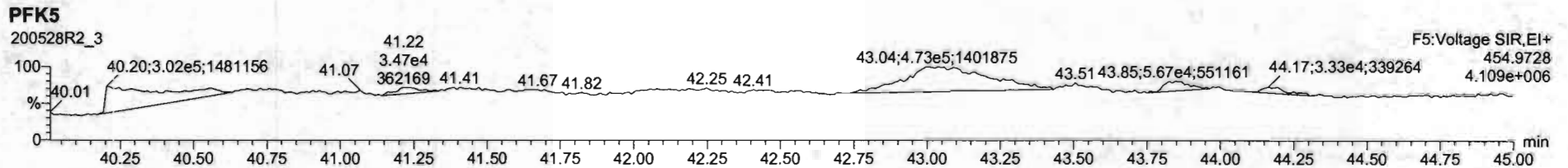
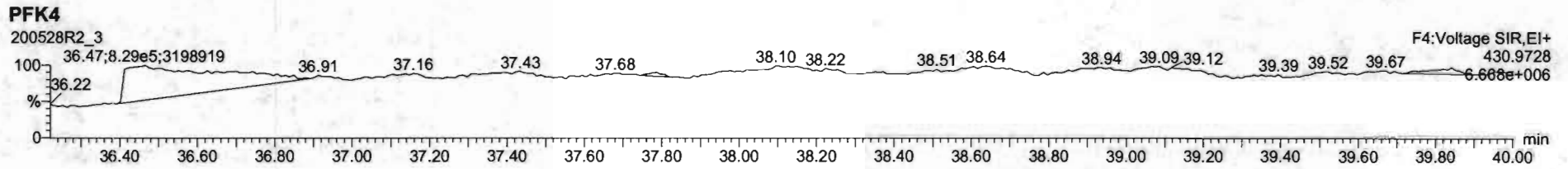
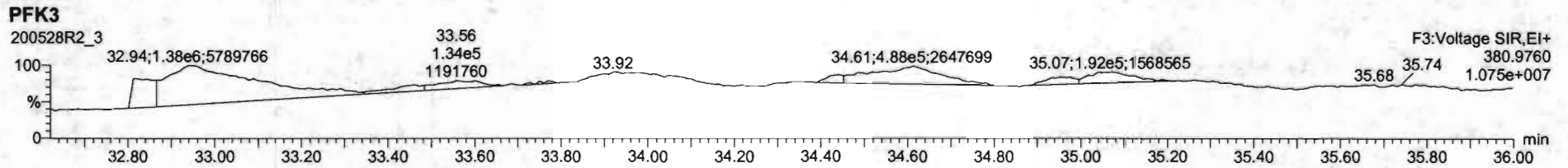
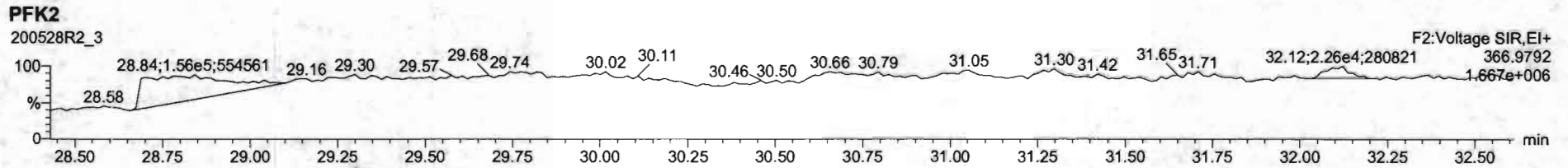
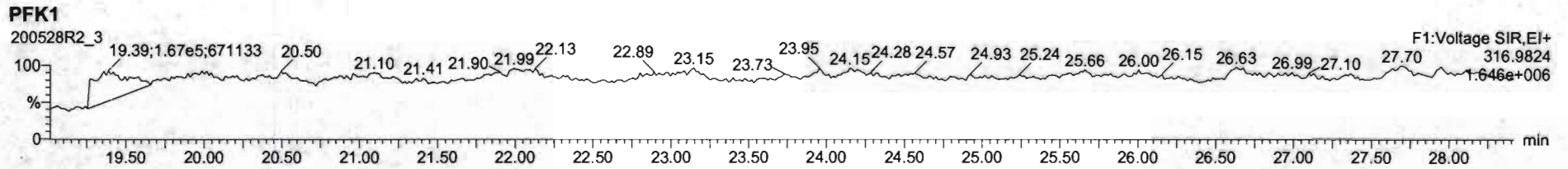


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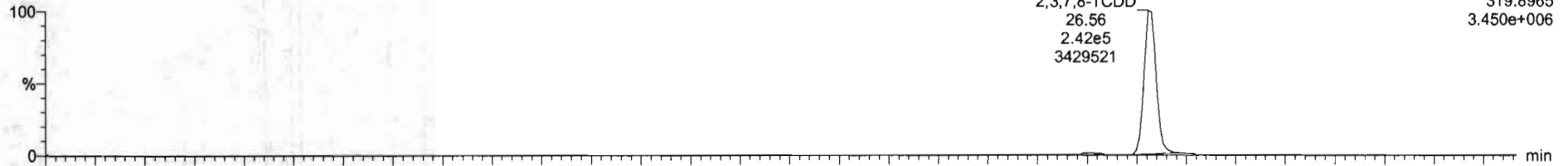
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2,3,7,8-TCDD

200528R2_4

2,3,7,8-TCDD
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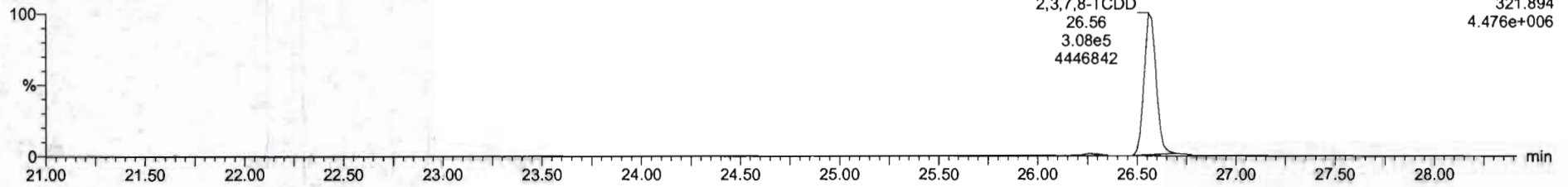
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200528R2_4

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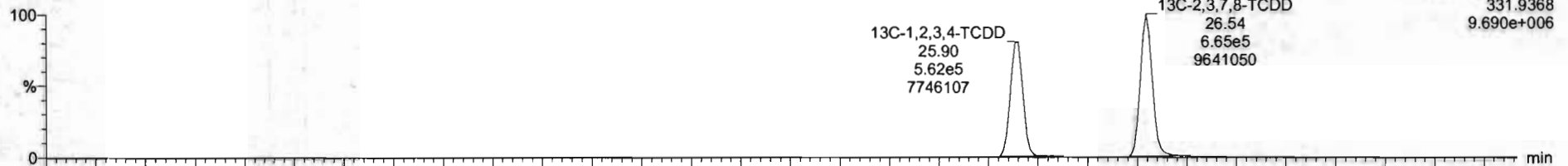
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200528R2_4

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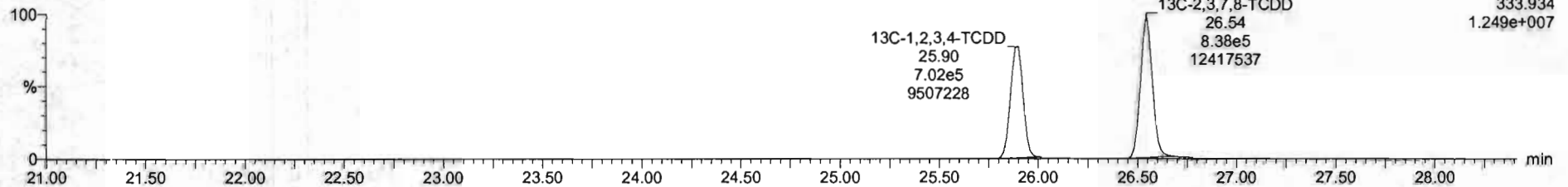


200528R2_4

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1.249e+007



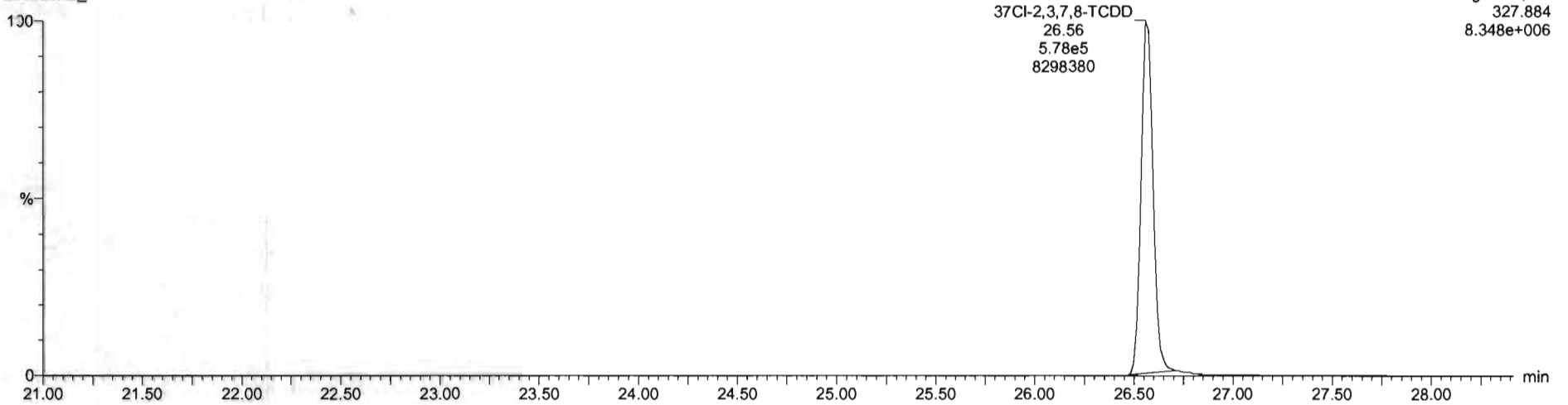
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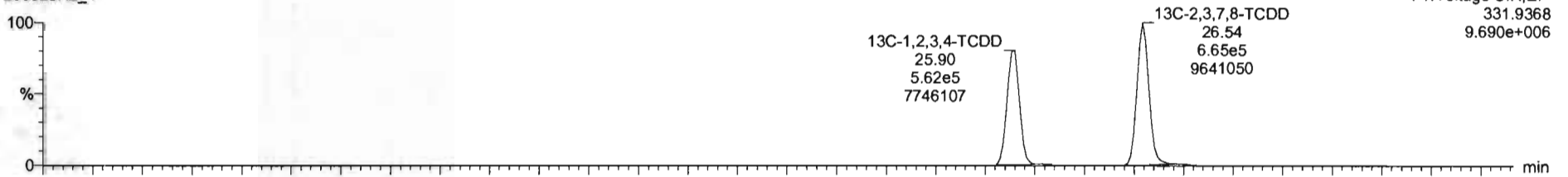
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200528R2_4

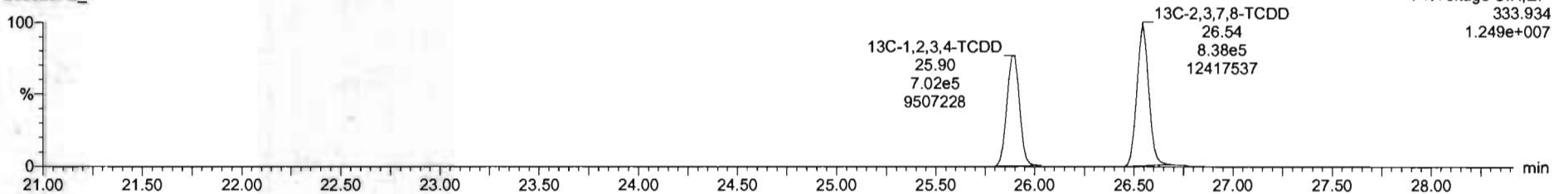


13C-1,2,3,4-TCDD

200528R2_4



200528R2_4



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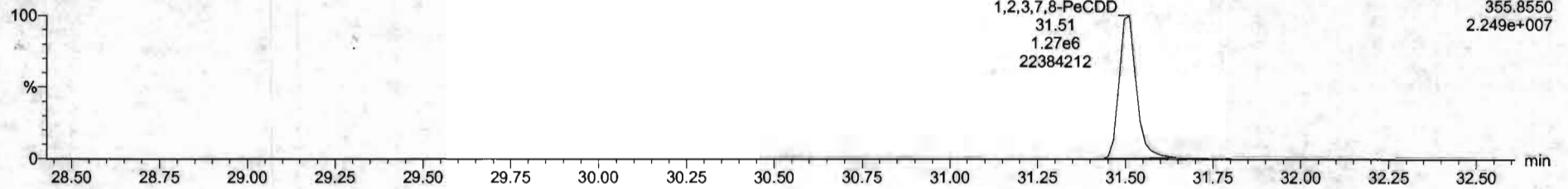
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1,2,3,7,8-PeCDD

200528R2_4

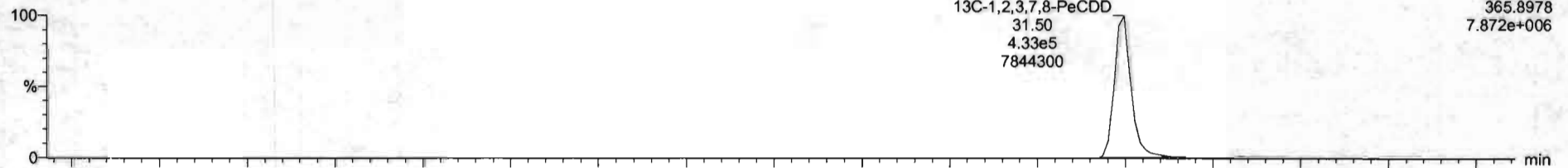


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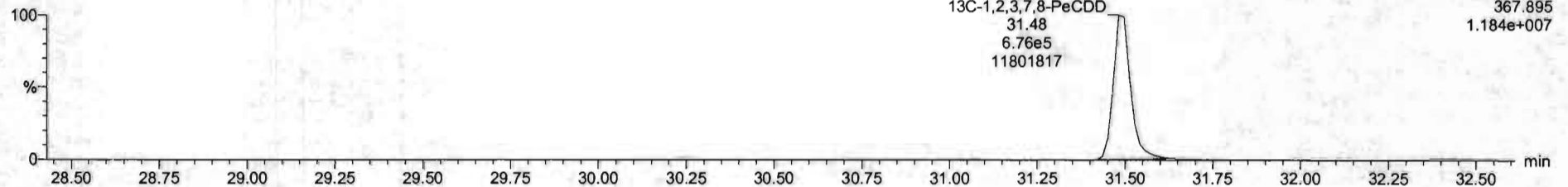


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200528R2_4



200528R2_4



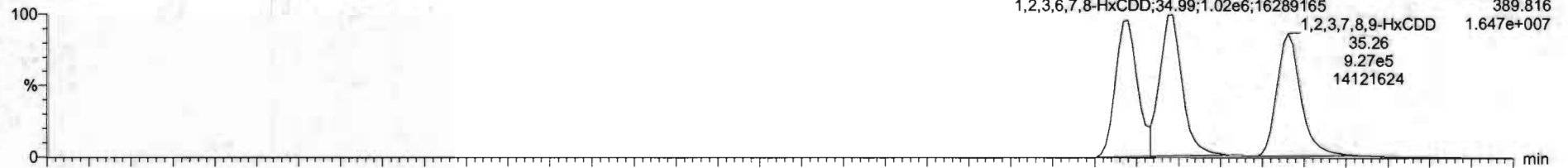
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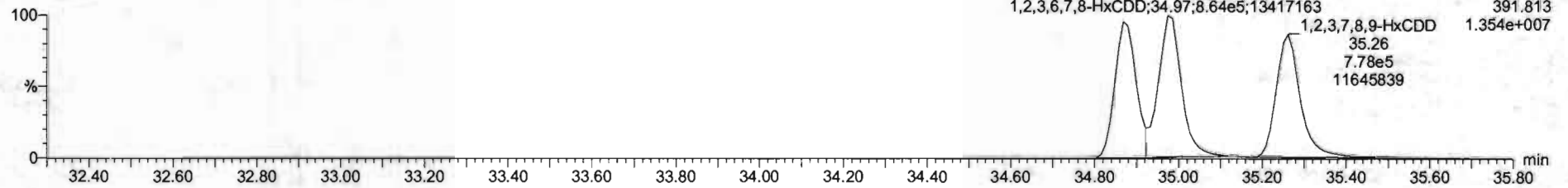
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1,2,3,4,7,8-HxCDD

200528R2_4

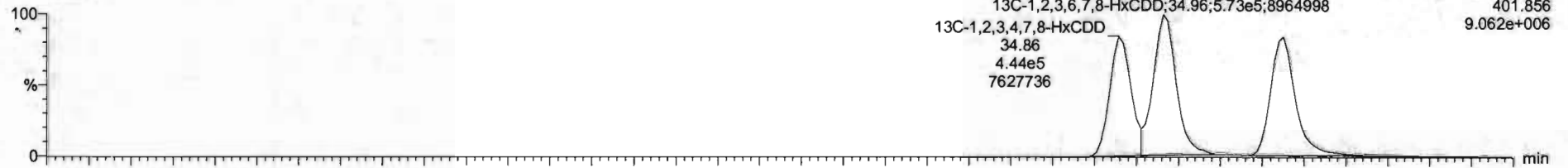


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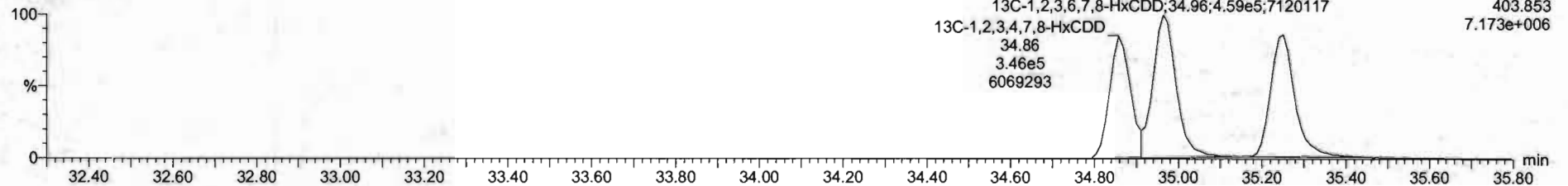


13C-1,2,3,4,7,8-HxCDD

200528R2_4

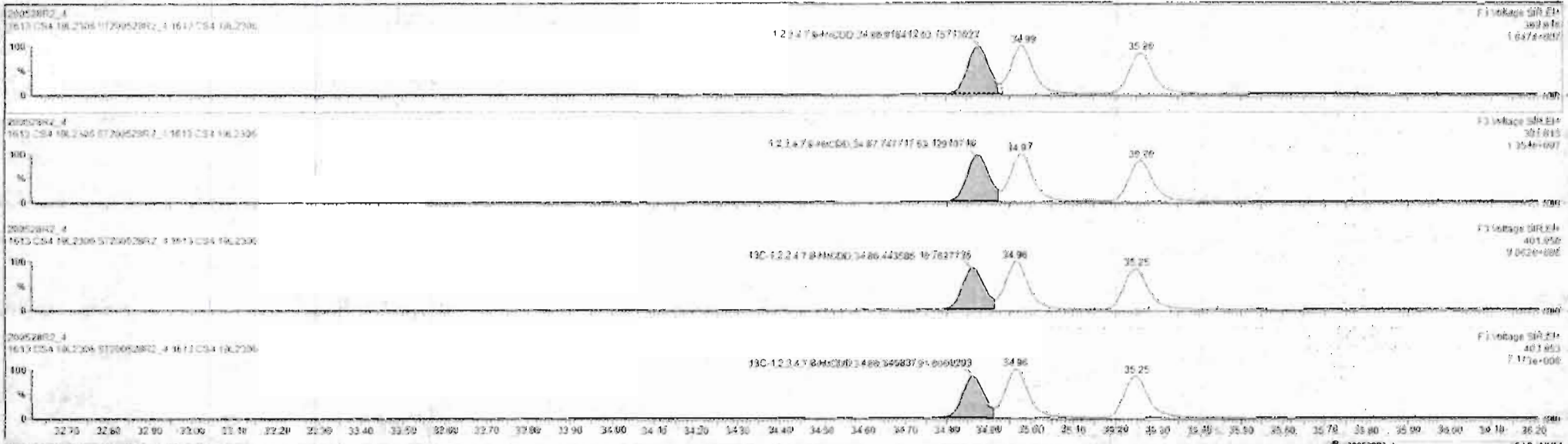


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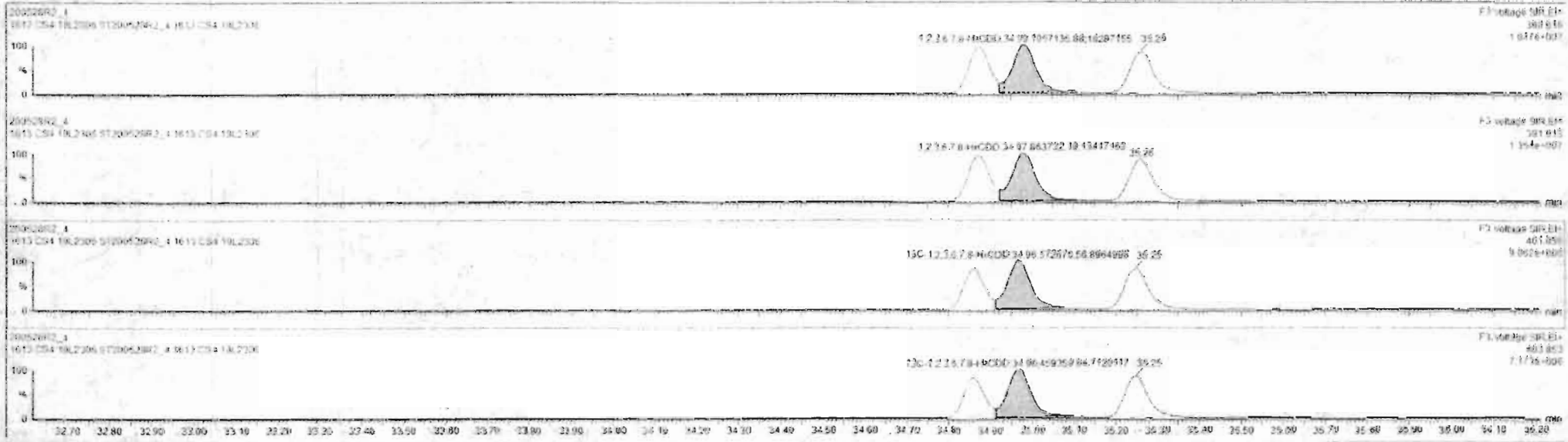


K1	Name	ResP	RA	n/y	RRF	inVol	RT	RRT	Conc	%Rec	DL	EMPC
1	1.2.3.7.8-TCDD	2.50e6	0.78	NO	0.882	1.000	26.99	1.001	41.2	101	0.129	41.2
2	1.2.3.7.8-HxCDD	2.25e6	0.83	NO	0.9091	1.000	31.51	1.000	205	102	0.0837	205
3	1.2.3.4.7.8-HxCDD	1.67e6	1.23	NO	1.0394	1.000	34.86	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8921	1.000	34.98	1.001	200	104	0.111	200
5	1.2.3.7.8.9-HxCDD	1.70e6	1.26	NO	0.8865	1.000	35.25	1.000	210	105	0.113	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.8839	1.000	36.80	1.000	211	105	0.218	211
7	OCDD	2.45e6	0.27	NO	0.9136	1.000	41.77	1.000	397	99.4	0.192	397
8	1.2.3.6.7.8-TCDF	6.52e6	0.76	NO	0.7019	1.000	25.88	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	28.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	3.50e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.223	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8812	1.000	33.12	1.001	206	103	0.203	206
13	2.3.4.6.7.8-HxCDF	2.96e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.26	NO	0.8701	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8065	1.000	41.96	1.000	402	100	0.171	402
18	13C-1.2.3.7.8-TCDD	1.58e6	0.79	NO	1.1563	1.000	26.64	1.025	103	103	0.164	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.84	NO	0.8489	1.000	31.58	1.216	103	103	0.138	
20	13C-1.2.3.4.7.8-HxCDD	7.89e6	1.28	NO	0.7736	1.000	34.96	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.07e6	1.25	NO	1.0127	1.000	34.96	1.017	104	104	0.121	

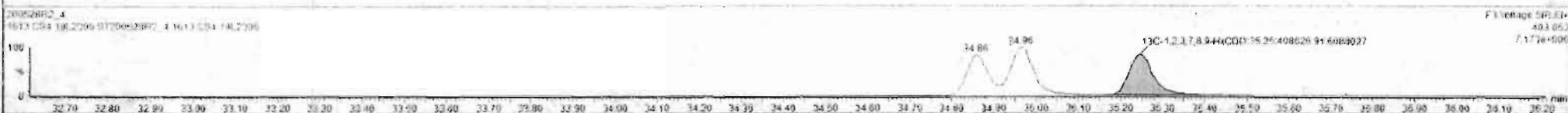
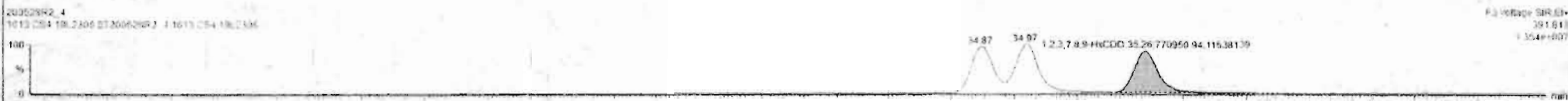


Custom Reporting: Select reports to view here

#	Name	Keep	RA	RY	RF	Wt/Wt	RT	RRT	Conc	Wt/Wt	DL	EMPU
1	1.2.3.7.8-TCDF	1.50e6	0.18	NO	0.0061	1.000	36.96	1.001	41.2	101	0.124	41.1
2	1.2.3.7.8-HxCDD	2.56e6	0.43	NO	0.0041	1.000	31.51	1.000	205	102	0.0017	204
3	1.2.3.7.8-HxCDF	1.87e6	1.23	NO	1.0734	1.000	34.80	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.0020	1.000	34.96	1.001	399	104	0.119	398
5	1.2.3.7.8-HxCDF	1.19e6	1.20	NO	0.0065	1.000	35.26	1.000	210	102	0.133	210
6	1.2.3.4.6.7.8-HxCDD	1.25e6	1.02	NO	0.0033	1.000	36.60	1.000	211	104	0.218	211
7	OCDD	2.45e6	0.97	NO	0.0136	1.000	41.77	1.000	307	104	0.192	307
8	1.2.3.7.8-TCDF	4.12e6	0.76	NO	0.0140	1.000	25.88	1.001	42.0	107	0.123	42.0
9	1.2.3.7.8-HxCDF	1.19e6	1.14	NO	0.0025	1.000	30.23	1.000	203	101	0.100	203
10	1.2.3.4.7.8-HxCDF	1.08e6	1.14	NO	0.0346	1.000	31.21	1.000	204	102	0.169	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.0041	1.000	33.99	1.000	200	104	0.221	200
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.0092	1.000	34.12	1.001	206	103	0.203	206
13	1.2.3.4.6.7.8-HxCDF	2.68e6	1.19	NO	0.0041	1.000	34.71	1.001	207	103	0.219	207
14	1.2.3.7.8-HxCDF	1.68e6	1.20	NO	0.0007	1.000	35.62	1.001	208	104	0.215	208
15	1.2.3.4.6.7.8-HxCDF	1.43e6	0.99	NO	0.0034	1.000	37.59	1.000	213	106	0.213	213
16	1.2.3.4.7.8-HxCDF	1.13e6	0.90	NO	1.0120	1.000	30.33	1.000	214	107	0.227	214
17	OCDF	2.34e6	0.97	NO	0.0254	1.000	41.96	1.000	400	100	0.171	400
18	1.2.3.7.8-TCDD	1.19e6	0.79	NO	1.1563	1.000	26.94	1.000	163	103	0.114	163
19	1.2.3.7.8-HxCDF	1.11e6	0.84	NO	0.0460	1.000	31.00	1.210	103	103	0.176	103
20	1.2.3.4.7.8-HxCDD	7.39e6	1.23	NO	0.7790	1.000	34.06	1.014	103	103	0.172	103
21	1.2.3.4.7.8-HxCDD	1.02e6	1.25	NO	1.0107	1.000	34.96	1.017	104	104	0.171	104



#	Name	Resp	RA	ny	RRF	wtdwt	RT	RRT	Coef	%Rec	DL	IMP
1	1,2,3,7,8-TCDF	0.50e6	0.76	NO	0.8863	1.000	26.56	1.091	41.7	102	0.124	41.4
2	1,2,3,7,8-PeCDD	2.36e6	0.43	NO	0.8051	1.000	31.51	1.000	205	102	0.0837	205
3	1,2,3,4,7,8-HxCDF	1.67e6	1.22	NO	1.0334	1.000	34.55	1.001	204	102	0.115	204
4	1,2,3,7,8-HxCDF	1.92e6	1.22	NO	0.9923	1.000	34.99	1.001	209	104	0.111	209
5	1,2,3,7,8,9-HxCDD	1.70e6	1.20	NO	0.6868	1.000	35.26	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HpCDE	1.25e6	1.62	NO	0.8830	1.000	38.50	1.000	211	105	0.123	211
7	OCDF	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.100	397
8	1,2,3,6,7,8-PeCDF	6.53e6	0.76	NO	0.7510	1.000	25.68	1.001	42.0	101	0.123	42.0
9	1,2,3,7,8-HxCDF	2.84e6	1.54	NO	0.8920	1.000	30.21	1.000	207	101	0.119	207
10	1,2,3,7,8-HpCDF	2.06e6	1.54	NO	0.9345	1.000	31.21	1.000	204	102	0.109	204
11	1,2,3,4,7,8-HxCDF	1.67e6	1.16	NO	0.8845	1.000	33.95	1.000	200	104	0.221	200
12	1,2,3,6,7,8-HxCDF	2.16e6	1.10	NO	0.8292	1.000	34.12	1.001	206	103	0.203	206
13	1,2,3,6,7,8-HpCDF	2.00e6	1.19	NO	0.9241	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e6	1.20	NO	0.8757	1.000	35.42	1.001	200	104	0.313	200
15	1,2,3,4,6,7,8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.39	1.000	213	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	3.54e6	0.87	NO	0.8095	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8,9-TCDF	1.56e6	0.75	NO	1.1587	1.000	28.54	1.025	103	103	0.164	
19	1,2,3,7,8-PeCDD	0.11e6	0.64	NO	0.8469	1.000	31.50	1.216	103	103	0.139	
20	1,2,3,4,7,8-HxCDE	7.89e6	1.28	NO	0.7798	1.000	34.96	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDD	1.03e6	1.35	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



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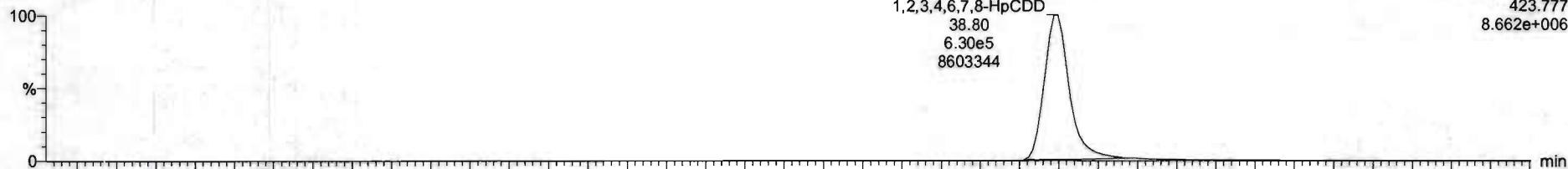
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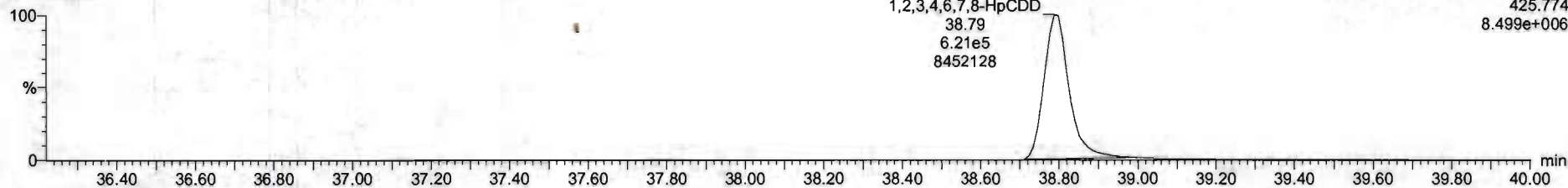
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200528R2_4



F4: Voltage SIR, EI+
423.777
8.662e+006

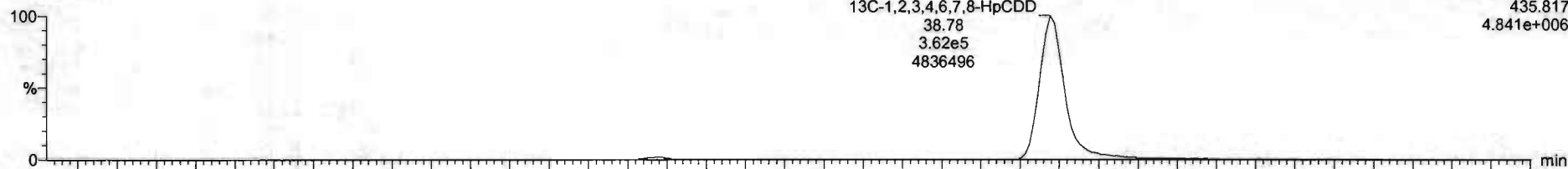
200528R2_4



F4: Voltage SIR, EI+
425.774
8.499e+006

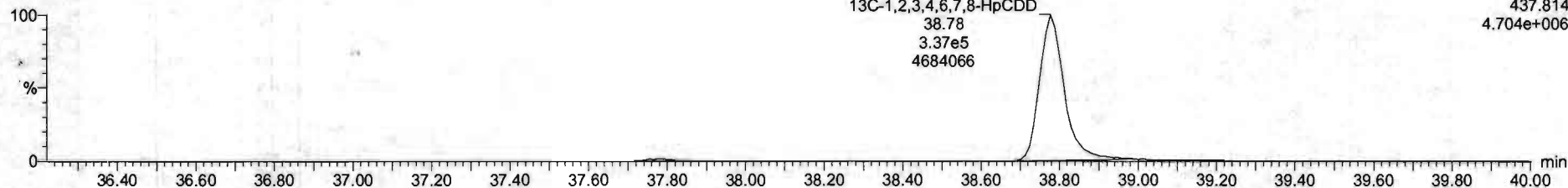
13C-1,2,3,4,6,7,8-HpCDD

200528R2_4



F4: Voltage SIR, EI+
435.817
4.841e+006

200528R2_4



F4: Voltage SIR, EI+
437.814
4.704e+006

ID	Name	Resp	RA	n/y	RRF	Intval	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.50e6	0.76	NO	0.8983	1.000	26.96	1.001	41.2	103	0.124	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.83	NO	0.8081	1.000	31.51	1.000	205	102	0.6837	205
3	1,2,3,4,7,8-HxCDD	1.67e6	1.23	NO	1.0334	1.000	34.80	1.001	204	102	0.115	204
4	1,2,3,6,7,8-HxCDD	1.92e6	1.22	NO	0.8927	1.000	34.99	1.001	209	104	0.111	209
5	1,2,3,7,8,9-HxCDD	1.76e6	1.26	NO	0.8665	1.000	35.25	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HpCDD	1.25e6	1.02	NO	0.8839	1.000	36.80	1.000	211	105	0.210	211
7	CDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.192	397
8	2,3,7,8-TCDF	6.52e6	0.76	NO	0.7510	1.000	26.68	1.001	42.0	107	0.123	42.0
9	1,2,3,7,8-HxCDF	3.94e6	1.54	NO	0.8926	1.000	30.21	1.000	203	101	0.118	203
10	1,2,3,4,7,8-PeCDF	3.06e6	1.54	NO	0.9349	1.000	31.21	1.000	204	102	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e6	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.221	208
12	1,2,3,6,7,8-HxCDF	2.16e6	1.10	NO	0.8062	1.000	34.12	1.001	208	103	0.203	208
13	1,2,3,4,7,8,9-HxCDF	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.42	1.001	208	104	0.313	208
15	1,2,3,4,6,7,8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.39	1.000	213	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	38.32	1.000	214	107	0.227	214
17	CDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8-TCDF	1.56e6	0.79	NO	1.1563	1.000	26.54	1.025	103	103	0.164	
19	1,2,3,4,6,7,8-HpCDF	1.11e6	0.84	NO	0.8490	1.000	31.30	1.216	103	103	0.139	
20	1,2,3,4,7,8,9-HpCDF	7.98e6	1.28	NO	0.7790	1.000	34.90	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDD	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.131	



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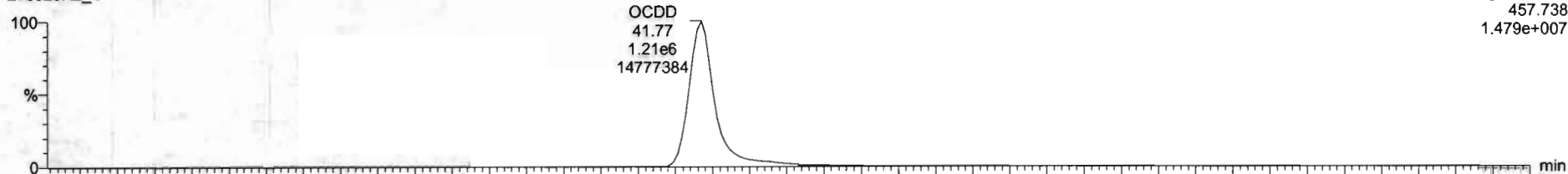
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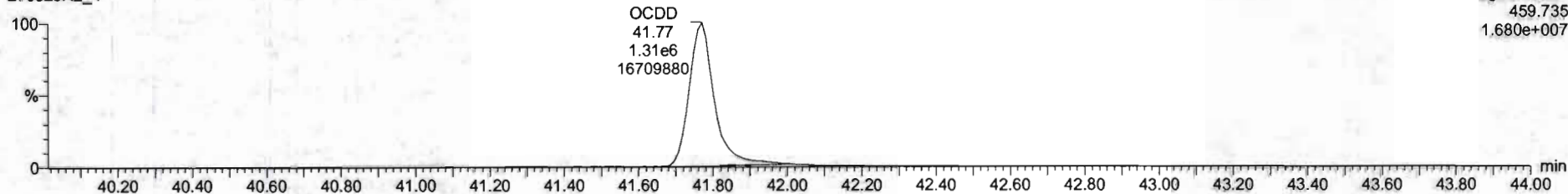
OCDD

200528R2_4



F5: Voltage SIR, EI+
457.738
1.479e+007

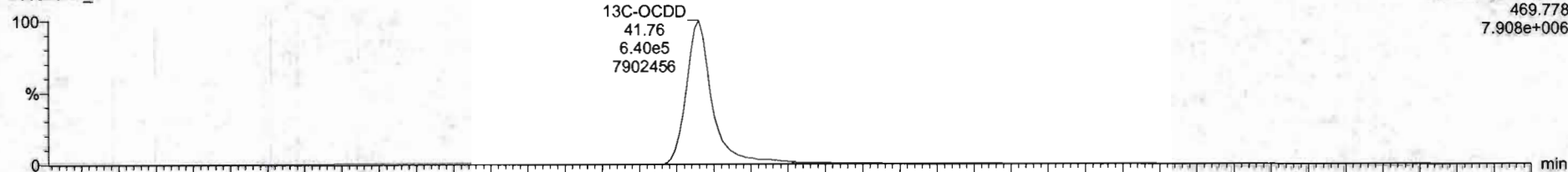
200528R2_4



F5: Voltage SIR, EI+
459.735
1.680e+007

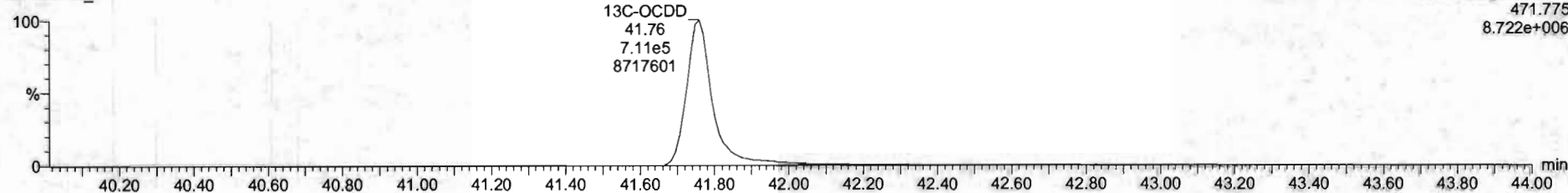
13C-OCDD

200528R2_4



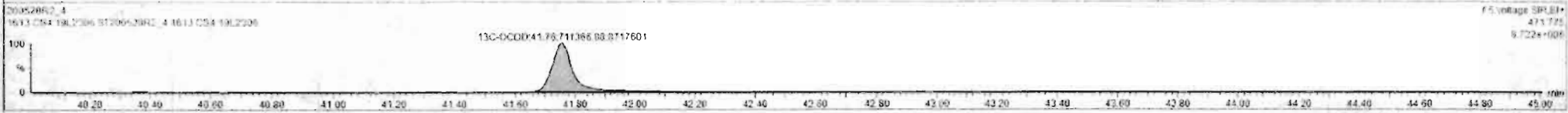
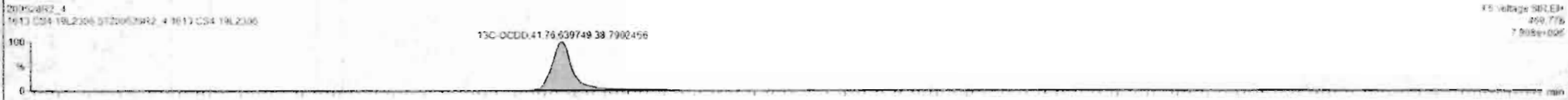
F5: Voltage SIR, EI+
469.778
7.908e+006

200528R2_4



F5: Voltage SIR, EI+
471.775
8.722e+006

PK	Name	Resp	RA	inj	RRF	wt/vol	RT	NRT	Conc	%Rec	DL	SI/PC
1	2.3.7.6-TCDD	3.56e5	0.76	NO	0.8883	1.000	28.56	1.001	41.2	101	0.134	41.2
2	1.2.3.7.5-PeCDD	2.06e6	0.63	NO	0.9051	1.000	31.01	1.000	205	102	0.6837	205
3	1.2.3.4.7.8-HxCD	1.07e6	1.23	NO	1.0334	1.000	34.80	1.001	284	102	0.115	284
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8923	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.70e6	1.20	NO	0.8669	1.000	35.26	1.000	210	105	0.133	210
6	1.2.3.4.7.8.9-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.80	1.000	211	105	0.115	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	307	99.4	0.192	307
8	2.3.7.6-TCDF	6.52e5	0.76	NO	0.7510	1.000	28.56	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-PeCDF	2.94e6	1.54	NO	0.8905	1.000	30.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	1.00e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.100	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.8545	1.000	33.99	1.000	205	104	0.221	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.8862	1.000	34.12	1.001	206	103	0.205	206
13	1.2.3.4.7.8-HxCDF	2.00e6	1.19	NO	0.9383	1.000	34.71	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.7.8.9-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.55	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.90	NO	1.0126	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	13C-2.3.7.6-TCDD	1.58e6	0.79	NO	1.1583	1.000	28.54	1.025	103	103	0.184	
19	13C-1.2.3.7.8-PeCDD	1.11e6	0.64	NO	0.8490	1.000	31.50	1.216	103	103	0.136	
20	13C-1.2.3.4.7.8-HxCDD	7.88e5	1.28	NO	0.7790	1.000	34.86	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.131	



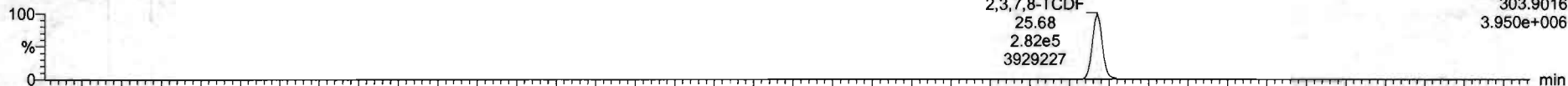
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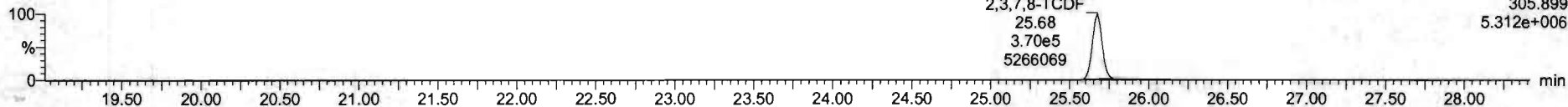
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2,3,7,8-TCDF

200528R2_4

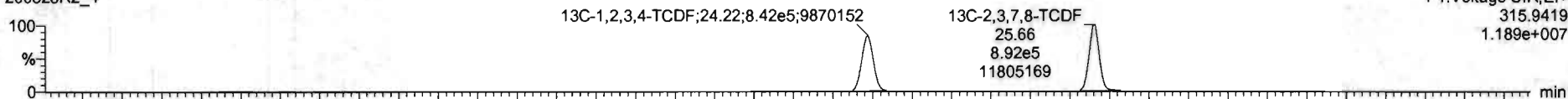


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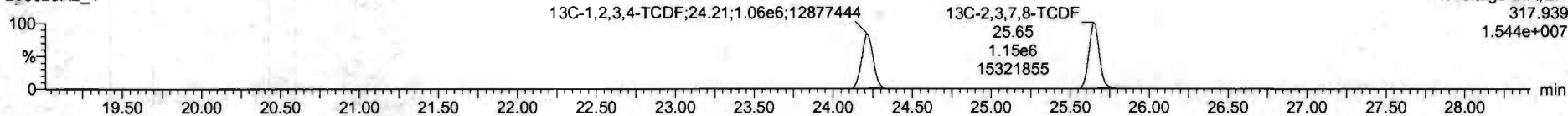


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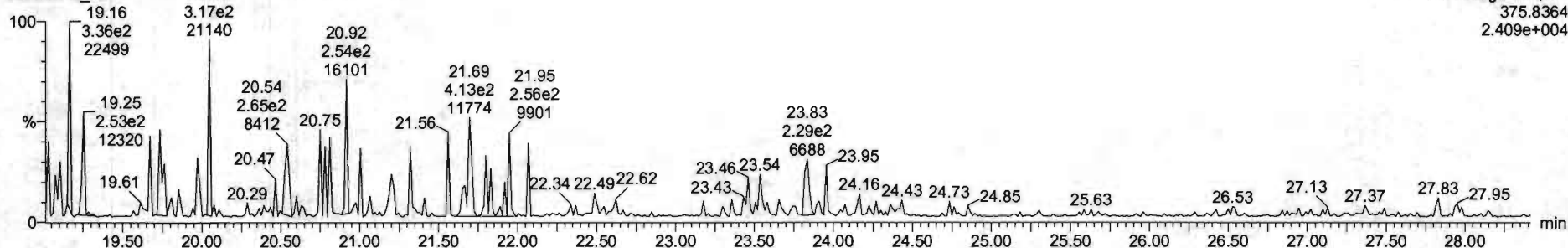


200528R2_4



DPE1

200528R2_4

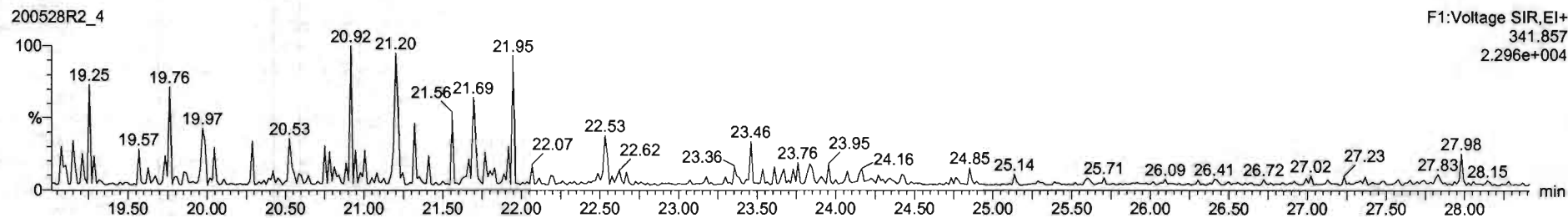
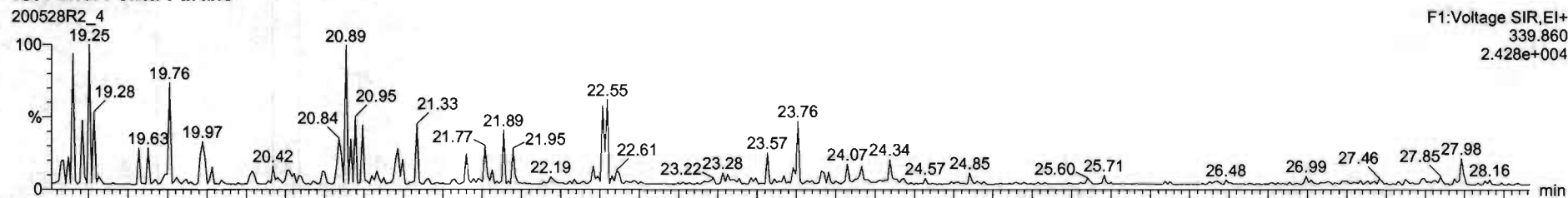


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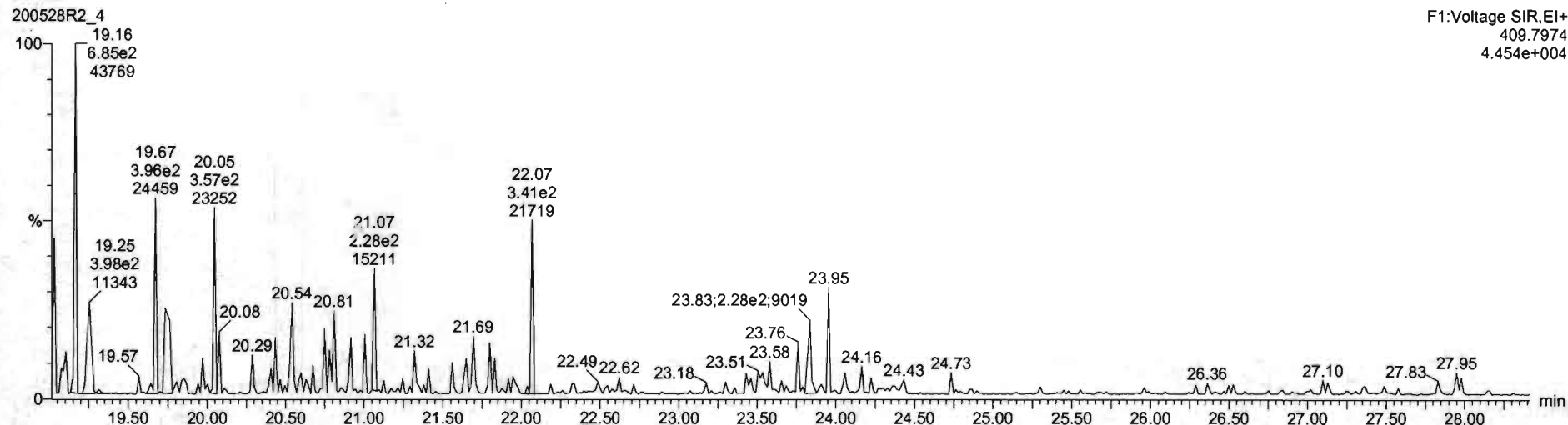
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1st Func. Penta-Furans



DPE6



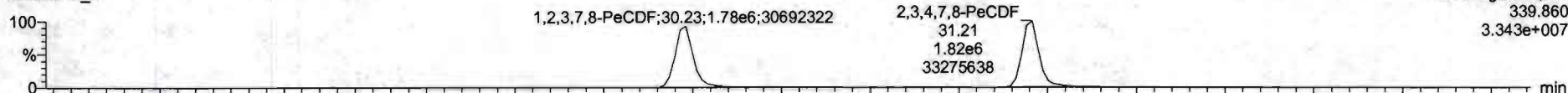
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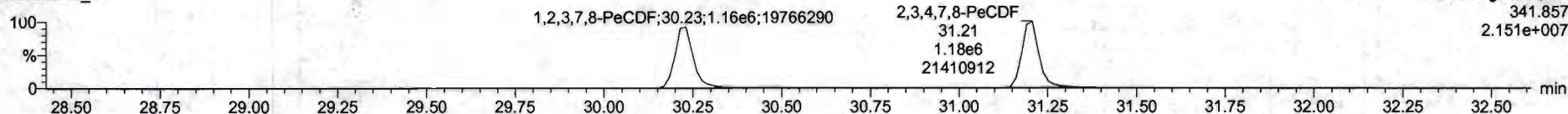
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1,2,3,7,8-PeCDF

200528R2_4

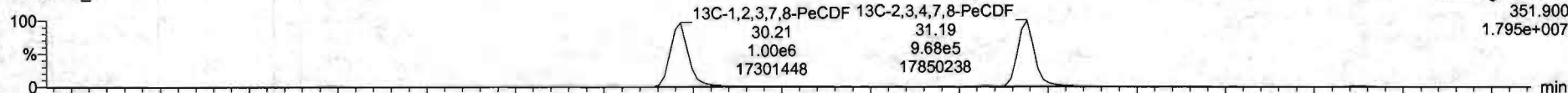


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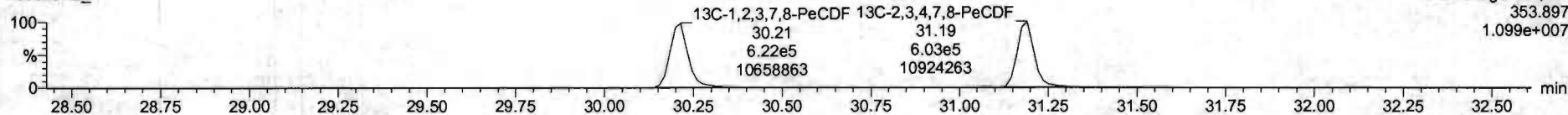


13C-1,2,3,7,8-PeCDF

200528R2_4

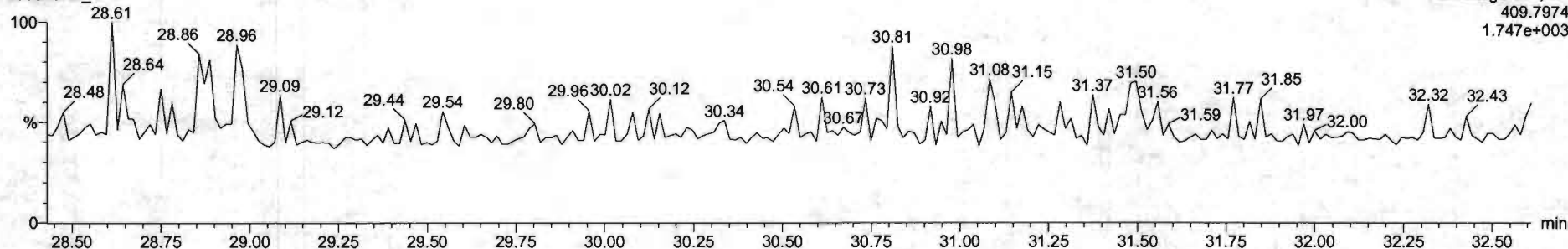


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DPE2

200528R2_4



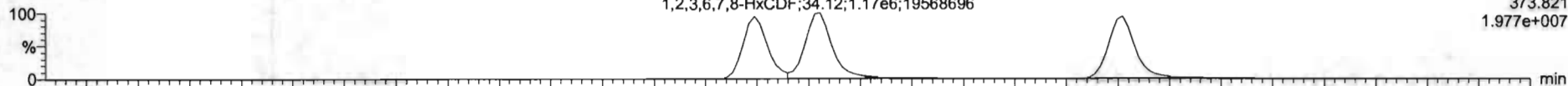
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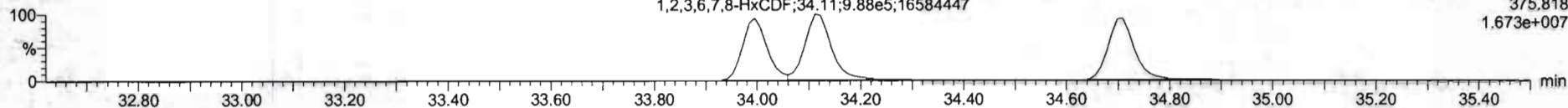
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1,2,3,4,7,8-HxCDF

200528R2_4

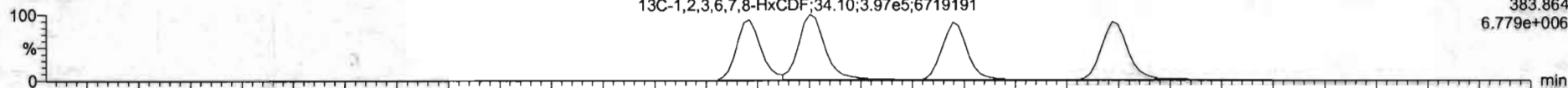


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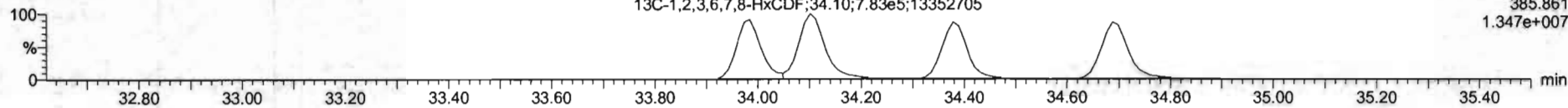


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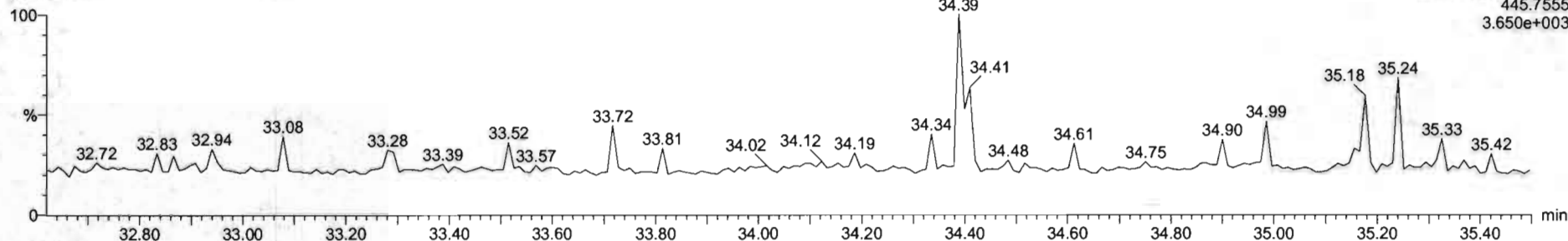


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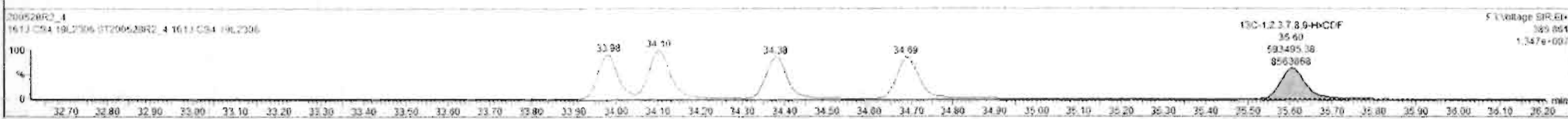
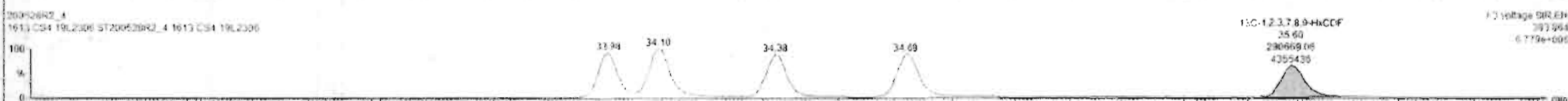


DPE3

200528R2_4



#	Name	Resp	RA	ntf	RRF	wb/wr	RT	RRT	Conc	%Rec	DL	ERFC
1	1.2.3.7.8-TCDD	3.56e5	0.78	NO	0.2882	1.000	26.96	1.001	41.2	103	0.124	11.2
2	1.2.3.7.8-HxCDD	2.06e6	0.83	NO	0.9081	1.000	31.91	1.000	285	100	0.0837	209
3	1.2.3.4.7.8-HxCDD	1.67e6	1.23	NO	1.0324	1.000	34.88	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8523	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.78e6	1.20	NO	0.8865	1.000	35.26	1.000	210	105	0.133	210
6	1.2.3.4.6.7.8-HxCDD	1.25e6	1.02	NO	0.8639	1.000	36.86	1.000	211	106	0.128	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.27	1.000	397	99.4	0.182	397
8	1.2.3.7.8-TCDF	6.52e5	0.76	NO	0.7510	1.000	25.68	1.001	42.6	107	0.123	42.6
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	30.23	1.000	283	101	0.118	283
10	1.2.3.4.7.8-HxCDF	3.06e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.199	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.95	1.000	268	104	0.221	268
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.8892	1.000	34.12	1.001	200	103	0.200	200
13	1.1.4.6.7.8-HxCDF	2.00e6	1.19	NO	0.9311	1.000	34.71	1.001	207	102	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.38	NO	0.6787	1.000	25.62	1.001	290	104	0.313	290
15	1.2.3.4.6.7.8-HxCDF	1.43e6	0.99	NO	0.8714	1.000	31.39	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HxCDF	1.13e6	0.98	NO	1.0128	1.000	30.32	1.000	214	107	0.221	214
17	OCDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	403	100	0.178	402
18	13C-1.2.3.7.8-TCDD	1.50e6	0.75	NO	1.1563	1.000	26.54	1.026	103	101	0.194	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.64	NO	0.6468	1.000	31.90	1.216	193	103	0.130	
20	13C-1.2.3.4.7.8-HxCDD	7.09e5	1.28	NO	0.7790	1.000	34.96	1.014	103	102	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.98	1.013	104	104	0.121	



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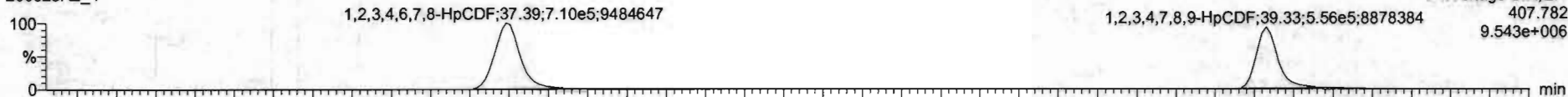
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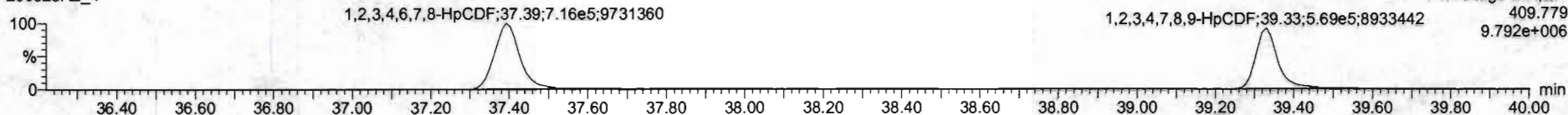
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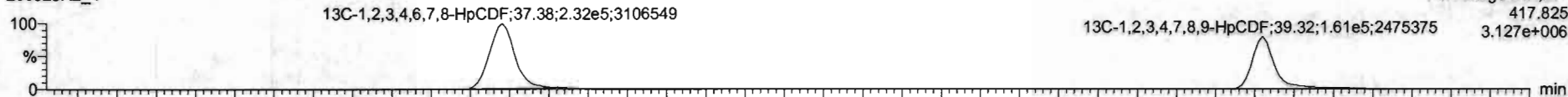


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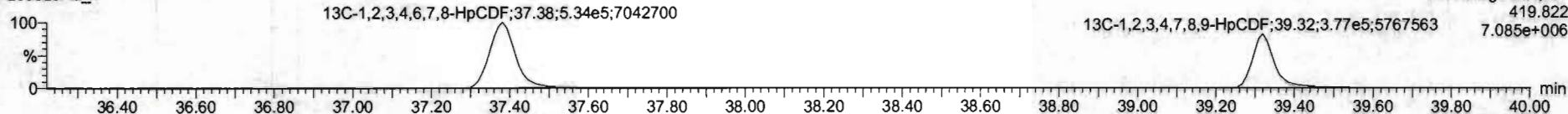


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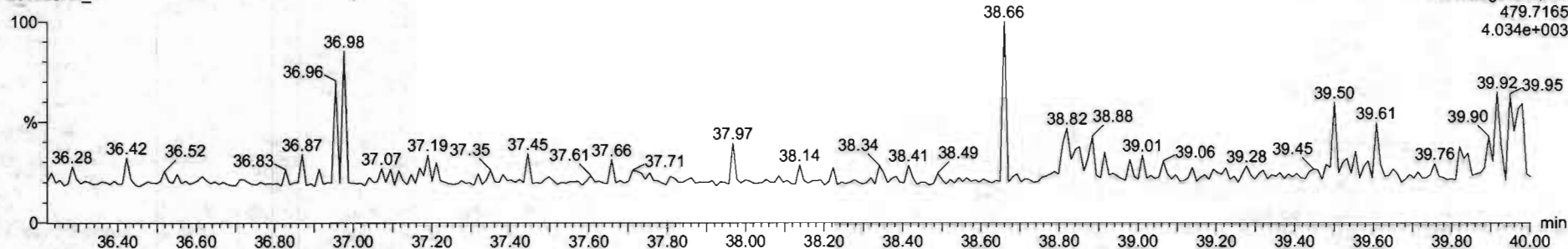


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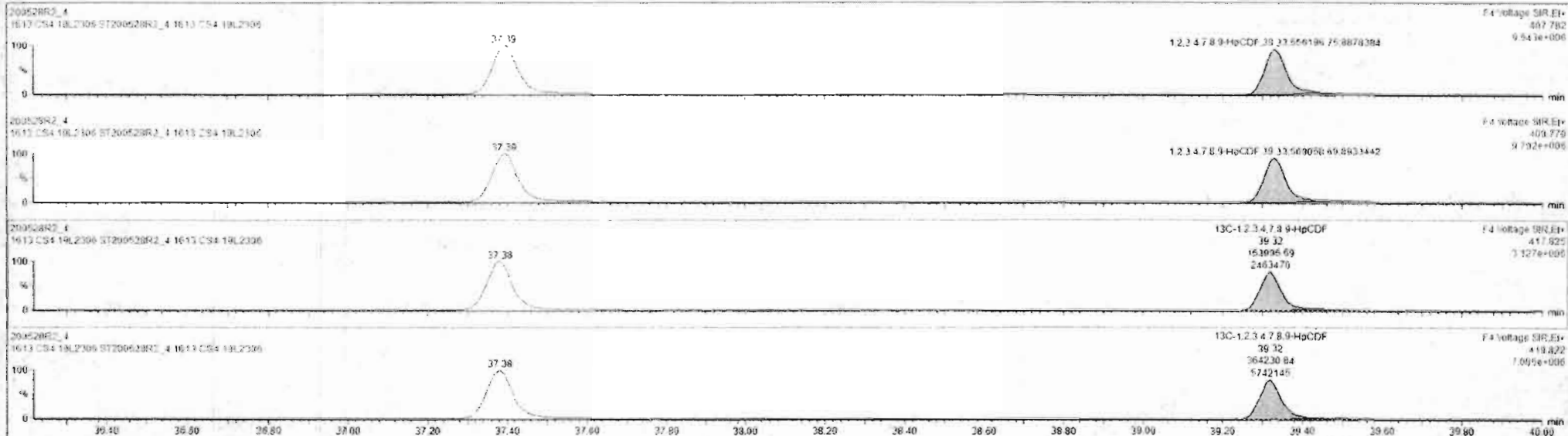


DPE4

200528R2_4



#	Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.56e5	0.78	NO	0.8583	1.000	26.56	1.001	41.3	103	0.134	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.63	NO	0.9081	1.000	31.51	1.000	205	102	0.9837	205
3	1,2,3,4,7,8-HxCDD	1.87e6	1.23	NO	1.0334	1.000	34.86	1.001	204	102	0.115	204
4	1,2,3,8,7,8-HxCDD	1.82e6	1.22	NO	0.8521	1.000	34.90	1.001	200	104	0.111	200
5	1,2,3,7,9,8-HxCDD	1.70e6	1.20	NO	0.8969	1.000	35.26	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HxCDD	1.25e6	1.02	NO	0.8633	1.000	36.90	1.000	211	105	0.219	211
7	OCDD	2.45e8	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.190	397
8	2,3,7,8-TCDF	6.52e5	0.76	NO	0.7510	1.000	25.66	1.001	42.6	107	0.123	42.2
9	1,2,3,7,9-PeCDF	2.54e6	1.54	NO	0.8925	1.000	30.23	1.000	203	101	0.110	203
10	1,2,3,4,7,8-HxCDF	3.00e6	1.54	NO	0.9346	1.000	31.21	1.000	204	107	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.99	1.000	203	104	0.221	206
12	1,2,3,6,7,8-HxCDF	2.16e6	1.18	NO	0.8867	1.000	34.12	1.001	206	103	0.203	206
13	2,3,4,6,7,8-HxCDF	2.06e6	1.19	NO	0.9341	1.000	34.71	1.001	207	107	0.219	207
14	1,2,3,7,9,8-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.62	1.001	208	104	0.213	208
15	1,2,3,4,6,7,8-HxCDF	1.43e6	0.95	NO	0.8734	1.000	37.35	1.000	215	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.15e6	0.60	NO	1.0128	1.000	39.33	1.000	214	107	5.327	214
17	OCDF	2.54e8	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	13C-2,3,7,8-TCDD	1.54e6	0.75	NO	1.1563	1.000	26.54	1.025	107	103	0.164	
19	13C-1,2,3,7,8-PeCDD	1.11e6	0.64	NO	0.8469	1.000	31.50	1.216	103	103	0.138	
20	13C-1,2,3,4,7,8-HxCDD	7.89e5	1.26	NO	0.7790	1.000	34.96	1.014	103	103	0.132	
21	13C-1,2,3,6,7,8-HxCDD	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.121	



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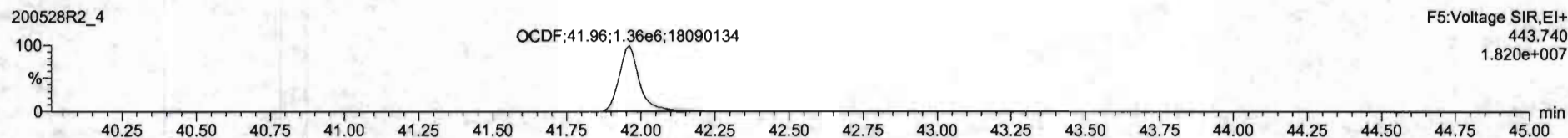
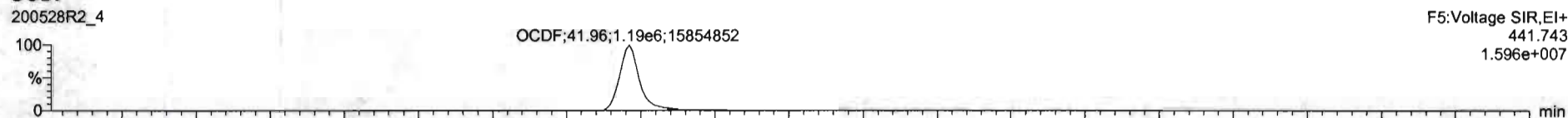
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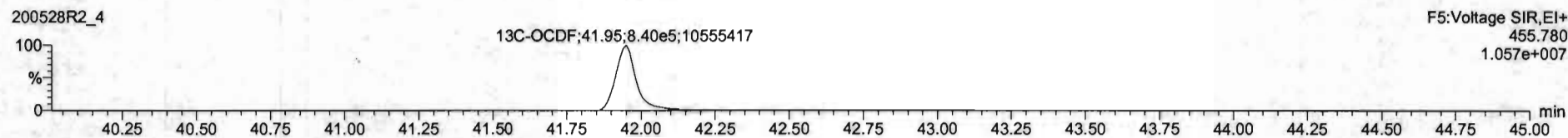
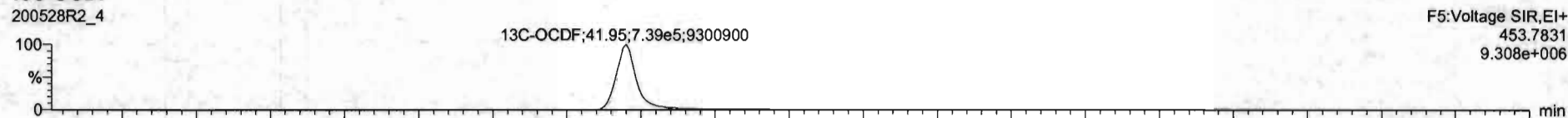
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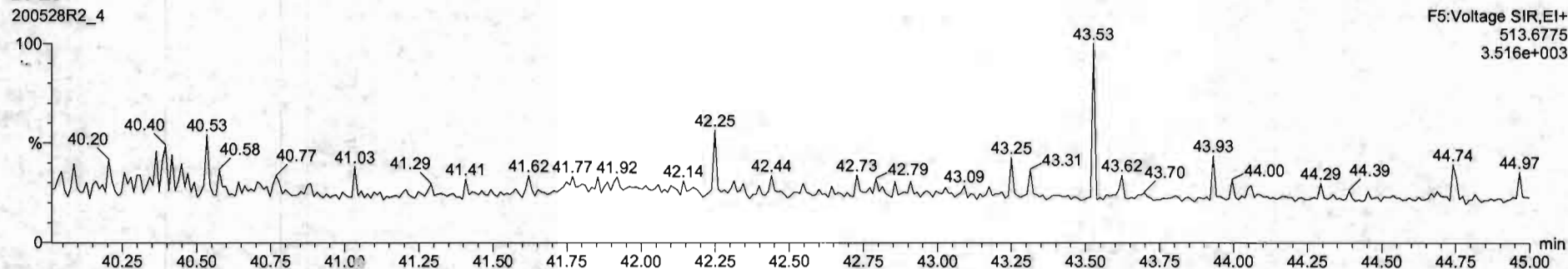
OCDF



13C-OCDF



DPE5



#	Name	Resp	RA	ntf	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2.3.1.6-TCDD	5.50e5	0.78	NO	0.8863	1.000	26.56	1.001	41.2	101	0.124	41.2
2	1.2.3.7.8-PeCDD	2.06e6	0.83	NO	0.9081	1.000	31.51	1.000	205	102	0.0827	205
3	1.2.3.4.7.8-HxCDD	1.07e6	1.23	NO	1.0334	1.000	34.85	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDF	1.92e6	1.22	NO	0.9521	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.9-HxCDD	1.76e6	1.20	NO	0.9265	1.000	35.26	1.000	210	105	0.123	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.9633	1.000	36.40	1.000	211	105	0.218	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.102	397
8	2.3.7.8-TCDF	0.52e5	0.76	NO	0.7510	1.000	25.05	1.001	42.0	107	0.127	42.0
9	1.2.3.7.8-PeCDF	2.94e6	1.54	NO	0.8925	1.000	30.21	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	2.00e6	1.54	NO	0.9349	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.9-HxCDF	1.87e6	1.18	NO	0.8945	1.000	32.99	1.000	208	104	0.221	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8952	1.000	34.12	1.001	206	103	0.203	206
13	2.3.4.6.7.8-HxCDF	2.08e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.9-HxCDF	1.60e6	1.20	NO	0.8757	1.000	35.42	1.001	206	104	0.213	206
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.96	NO	0.8734	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.93	NO	1.0120	1.000	39.32	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8055	1.000	41.96	1.000	402	100	0.171	402
18	1.2.3.2.3.7.8-TCDF	1.56e6	0.79	NO	1.1563	1.000	26.54	1.025	102	101	0.164	
19	1.2.3.1.2.3.7.8-PeCDD	0.11e6	0.84	NO	0.8496	1.000	31.50	1.210	103	103	0.130	
20	1.2.3.1.2.3.4.7.8-HpCDD	7.89e6	1.20	NO	0.7790	1.000	34.96	1.214	103	103	0.172	
21	1.2.3.1.2.3.6.7.8-HpCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



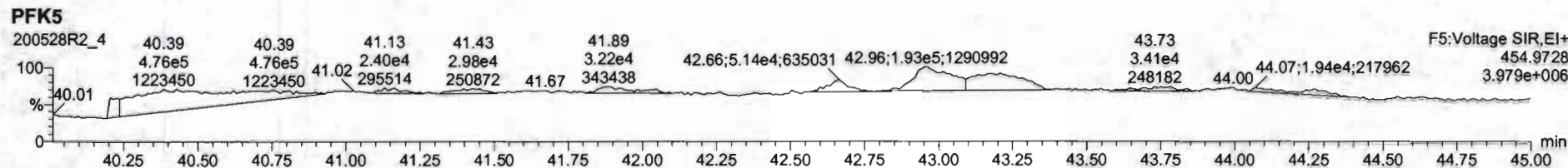
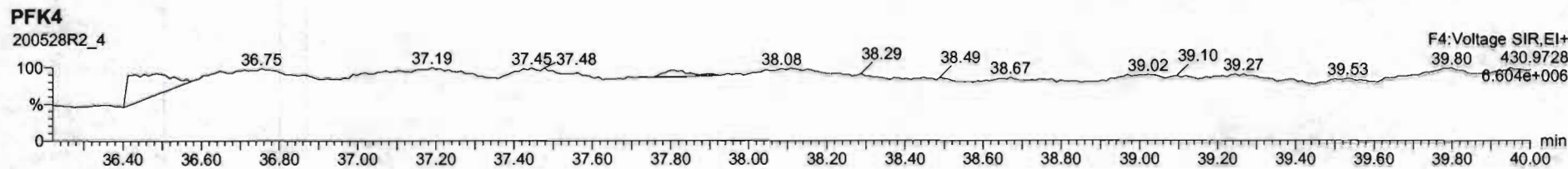
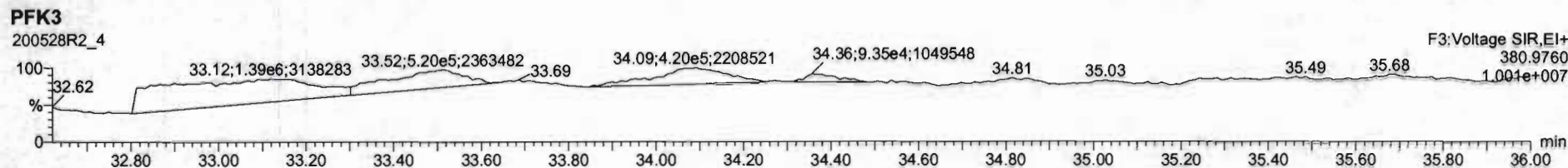
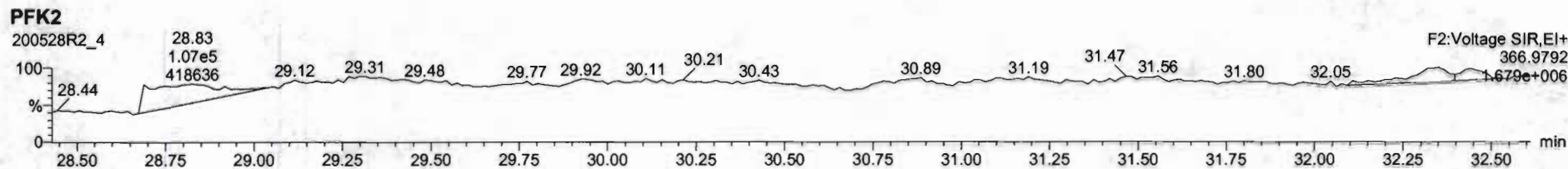
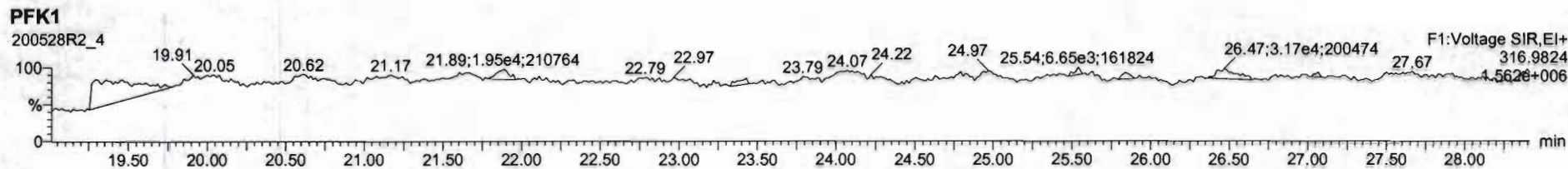
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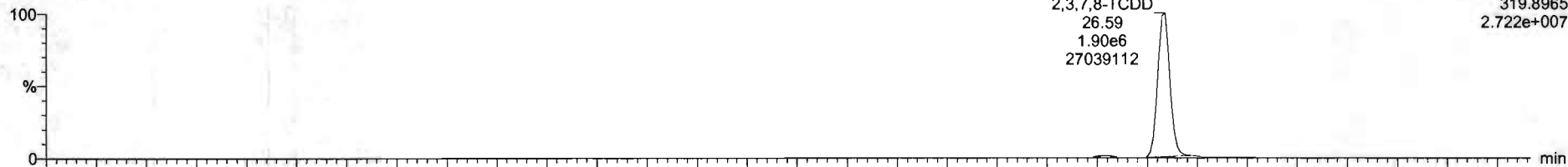
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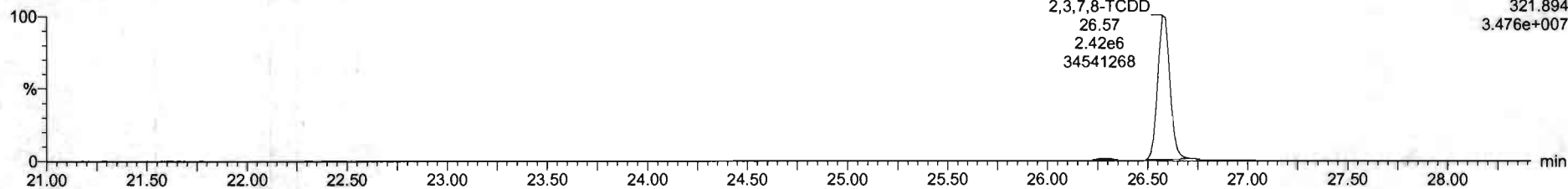
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2,3,7,8-TCDD

200528R2_5

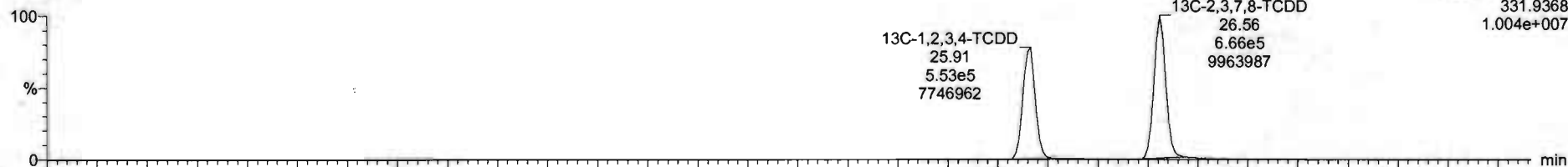


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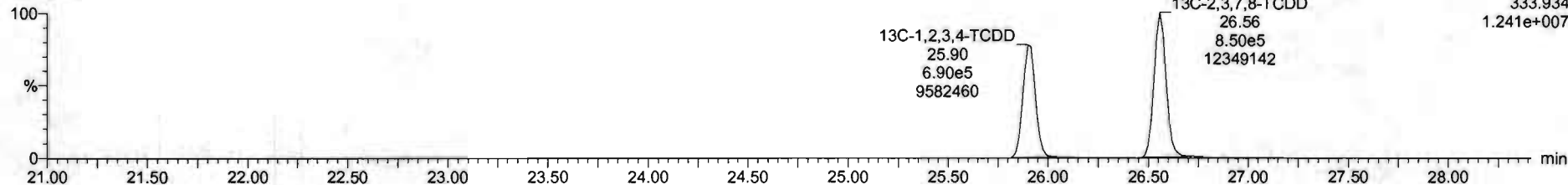


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200528R2_5



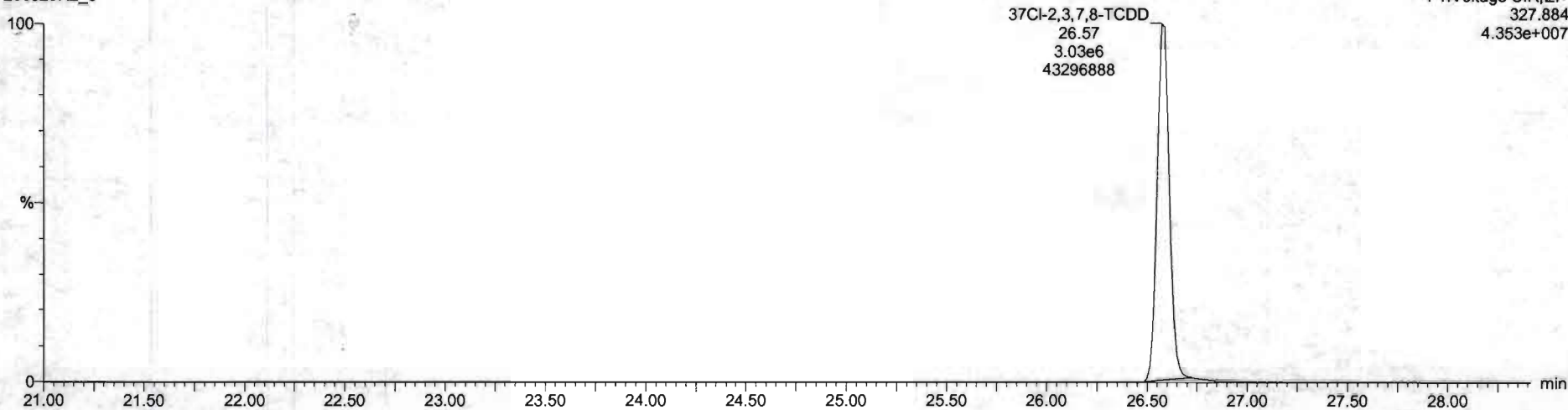
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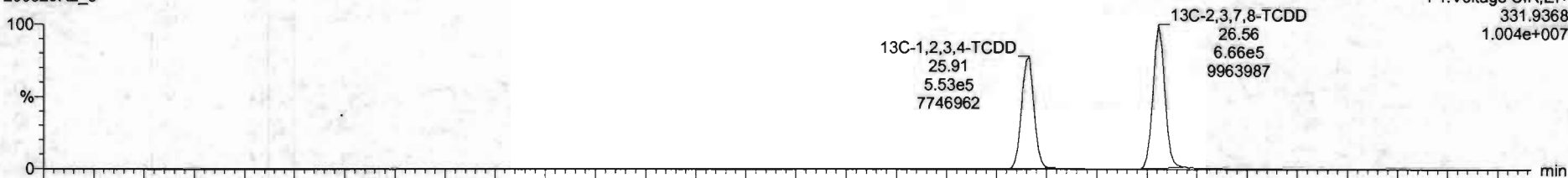
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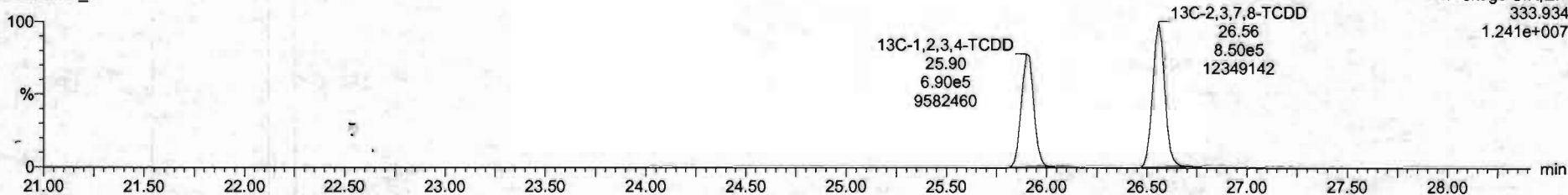


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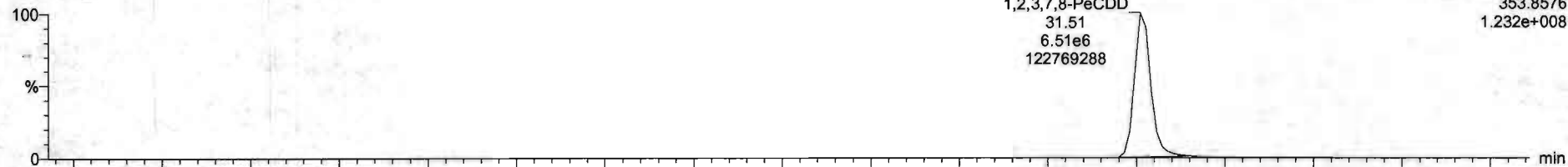
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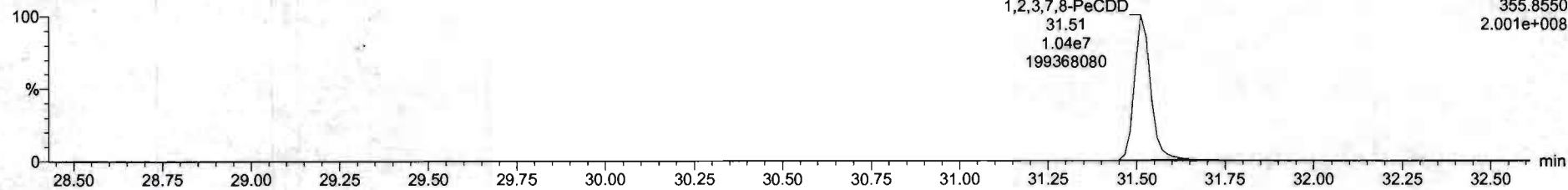
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1,2,3,7,8-PeCDD

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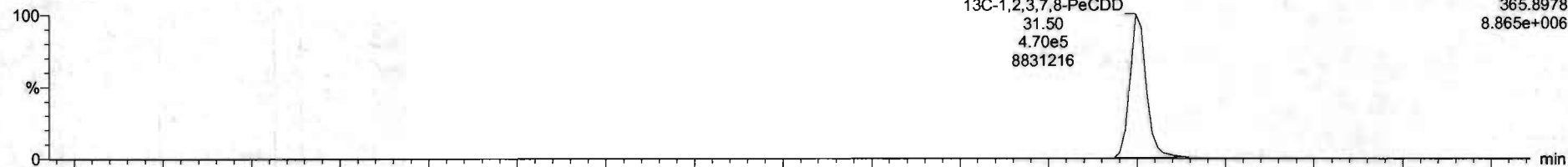


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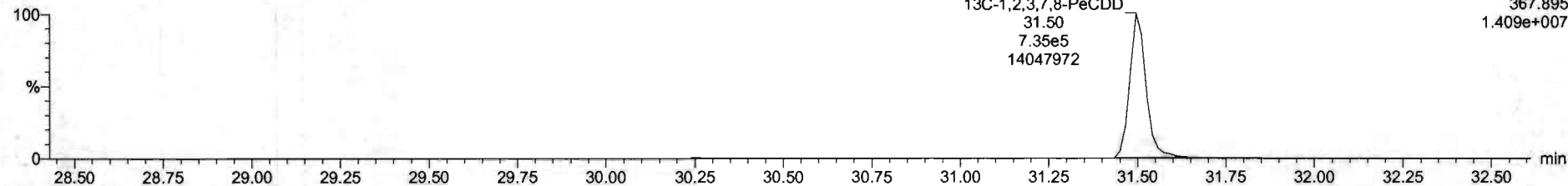


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200528R2_5



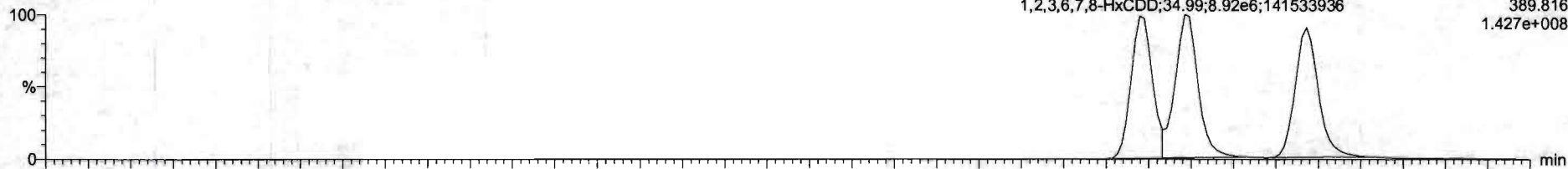
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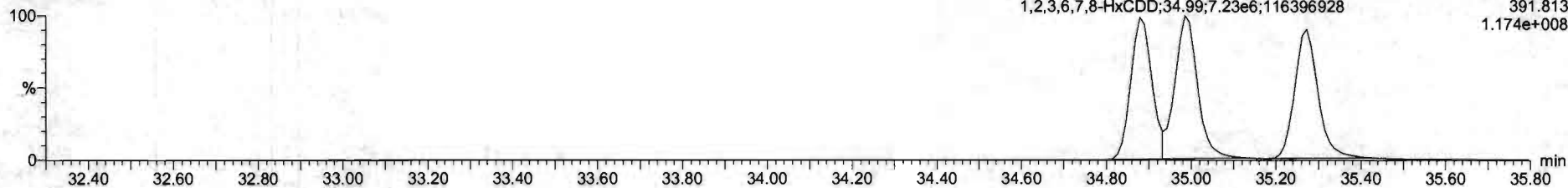
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1,2,3,4,7,8-HxCDD

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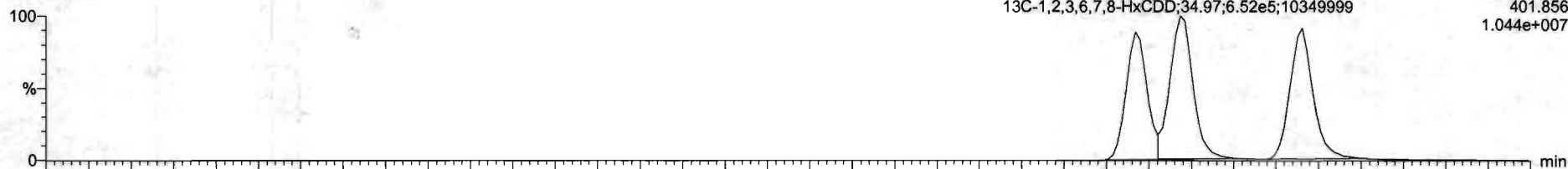


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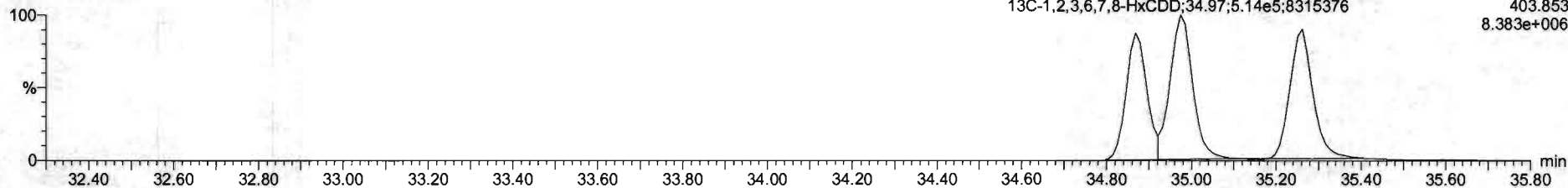


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200528R2_5



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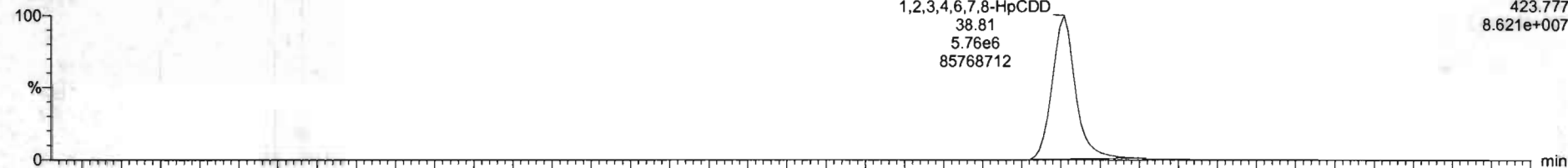
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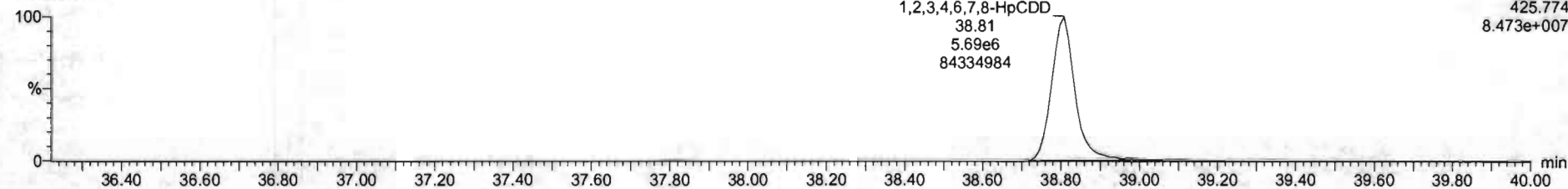
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1,2,3,4,6,7,8-HpCDD

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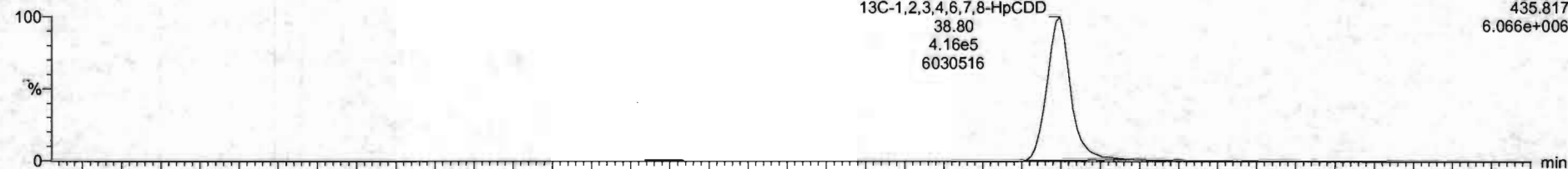


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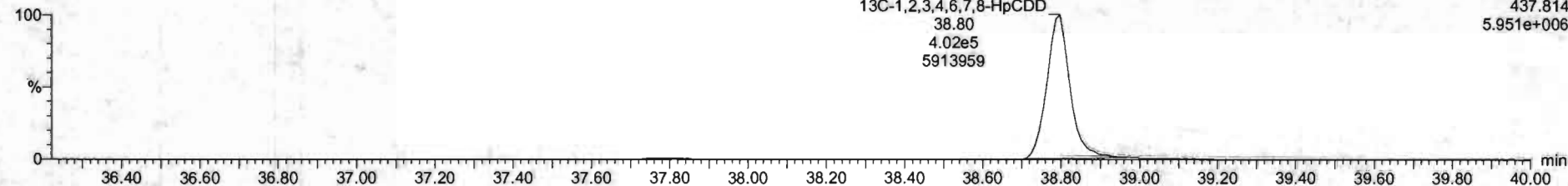


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200528R2_5



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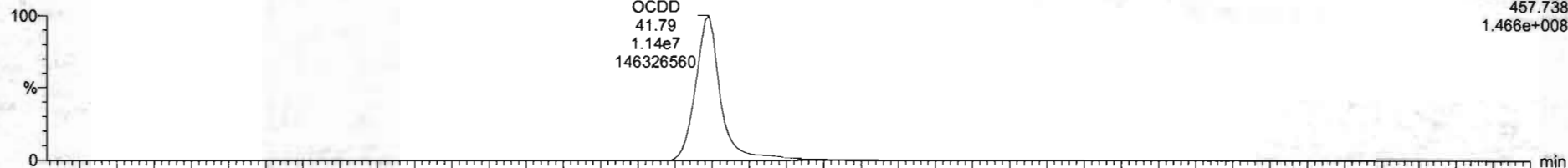
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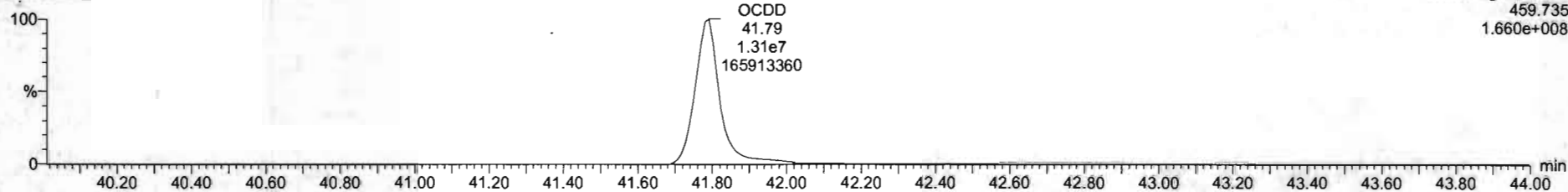
OCDD

200528R2_5



F5: Voltage SIR, EI+
457.738
1.466e+008

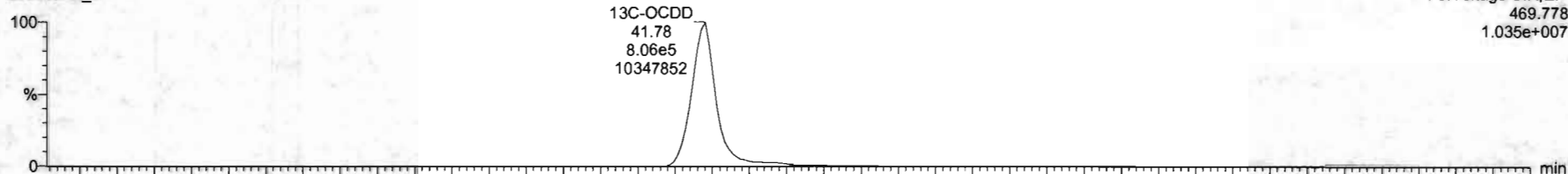
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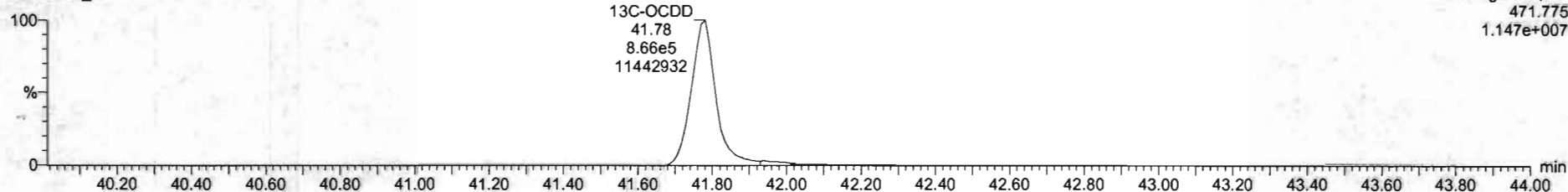
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200528R2_5



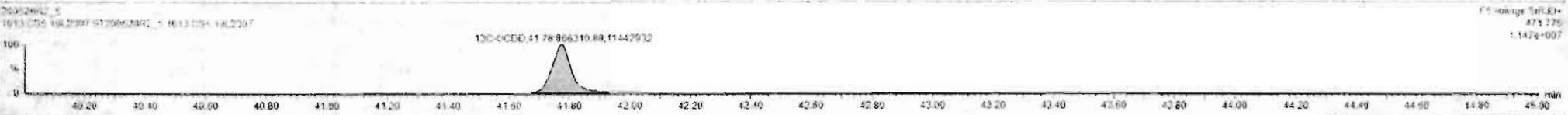
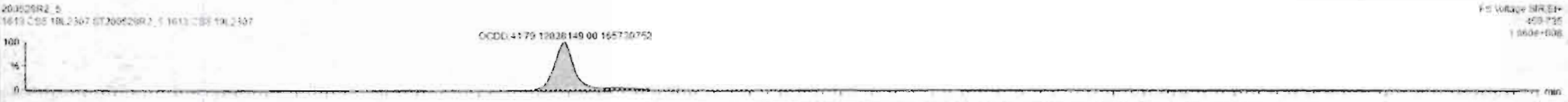
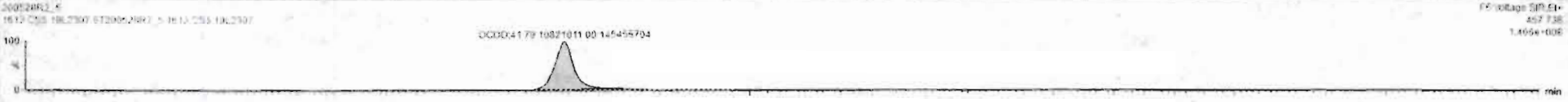
F5: Voltage SIR, EI+
469.778
1.035e+007

200528R2_5



F5: Voltage SIR, EI+
471.775
1.147e+007

N	Name	Resp	RA	np	PRF	wt/vol	WT	NRT	Comp	%Rec	DL	ENPL
1	2.3.7.8-TCD0	4.52e7	0.76	NO	0.6883	1.000	26.95	1.001	321	107	0.0511	321
2	1.2.3.7.8-FluCD	1.58e7	0.63	NO	0.9051	1.000	31.61	1.000	1550	103	0.124	1550
3	1.2.3.4.7.8-HuCD	1.47e7	1.23	NO	1.0334	1.000	34.08	1.000	1520	101	0.130	1520
4	1.2.3.8.7.8-HuCD	1.61e7	1.23	NO	0.9523	1.000	34.99	1.000	1550	103	0.142	1550
5	1.2.3.7.8.9-HuCD	1.47e7	1.23	NO	0.9265	1.000	35.27	1.000	1570	104	0.107	1570
6	1.2.3.4.6.7.8-HuCD	1.15e7	1.01	NO	0.8639	1.000	36.61	1.000	1620	105	0.161	1620
7	OCDD	2.37e7	0.84	NO	0.9138	1.000	41.79	1.000	3100	103	0.379	3100
8	2.3.7.6-TCD	0.00e0	0.75	NO	0.7510	1.000	45.65	1.001	320	105	0.0600	320
9	1.2.3.7.8-PeCDF	2.38e7	1.14	NO	0.8925	1.000	40.23	1.000	1570	101	0.231	1570
10	2.3.4.7.8-PeCDF	0.40e7	1.53	NO	0.9348	1.000	41.21	1.000	1550	101	0.213	1550
11	1.2.3.4.7.8-HuCDF	1.61e7	1.19	NO	0.8644	1.000	44.01	1.000	1590	106	0.103	1590
12	1.2.3.6.7.8-HuCDF	1.06e7	1.19	NO	0.8092	1.000	44.72	1.000	1530	101	0.0927	1530
13	2.3.4.6.7.8-HuCDF	1.72e7	1.19	NO	0.9341	1.000	44.72	1.001	1560	104	0.152	1560
14	1.2.3.7.8.9-HuCDF	1.49e7	1.26	NO	0.6707	1.000	45.63	1.000	1560	106	0.145	1560
15	1.2.3.4.6.7.8-HuCDF	1.28e7	1.09	NO	0.8734	1.000	47.40	1.000	1560	104	0.303	1560
16	1.2.3.4.7.8.9-HuCDF	1.05e7	1.00	NO	1.0172	1.000	48.34	1.000	1620	103	0.215	1620
17	OCDF	2.38e7	0.85	NO	0.8085	1.000	41.95	1.000	3090	101	0.250	3090
18	13C-2.3.7.8-TCD	1.52e6	0.76	NO	1.1583	1.000	26.96	1.026	100	106	0.0720	100
19	13C-1.2.3.7.8-PeCDD	1.21e6	0.64	NO	0.8499	1.000	31.58	1.215	114	114	0.130	114
20	13C-1.2.3.4.7.8-PeCDD	6.34e5	1.28	NO	0.7750	1.000	34.97	1.014	110	110	0.191	110
21	13C-1.2.3.6.7.8-PeCDD	1.17e6	1.27	NO	1.0167	1.000	34.97	1.017	113	113	0.146	113



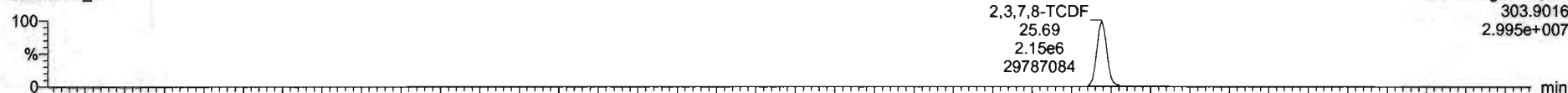
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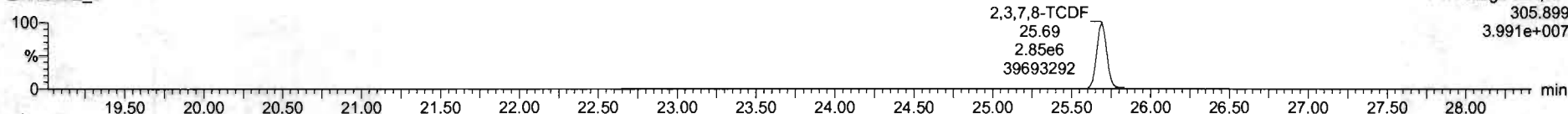
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2,3,7,8-TCDF

200528R2_5

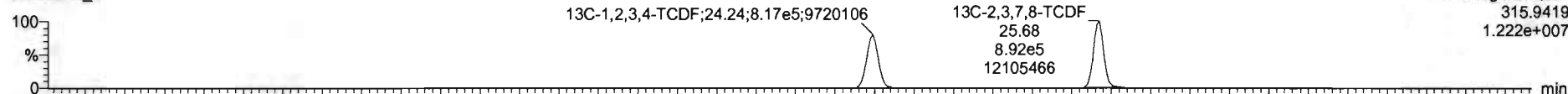


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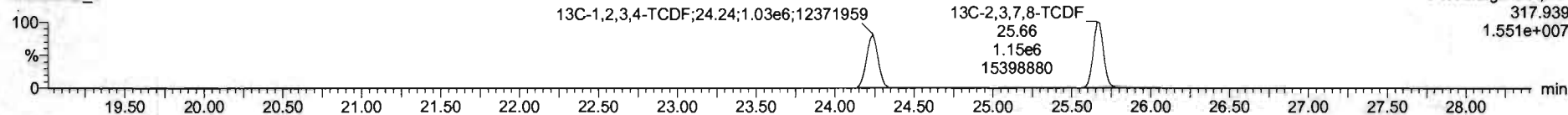


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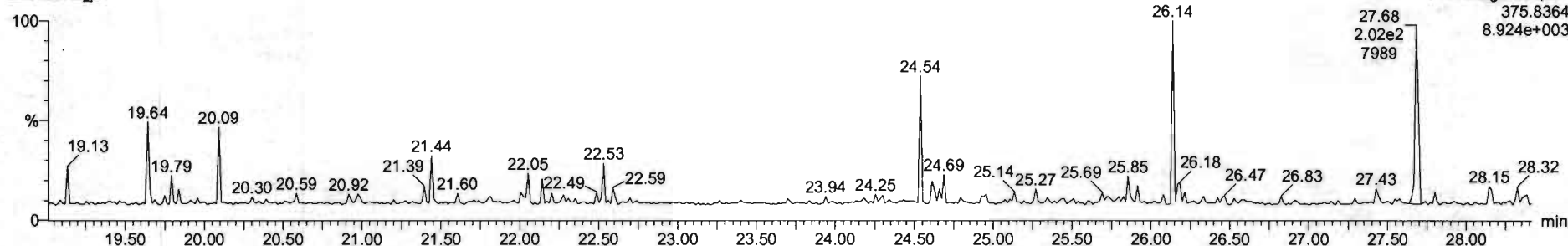


200528R2_5



DPE1

200528R2_5



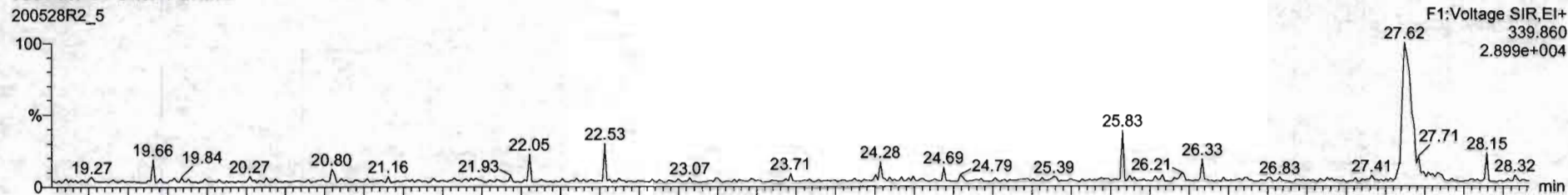
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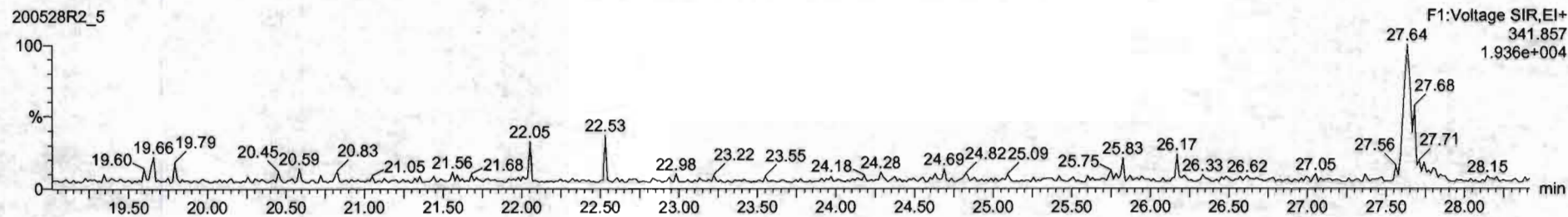
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200528R2_5

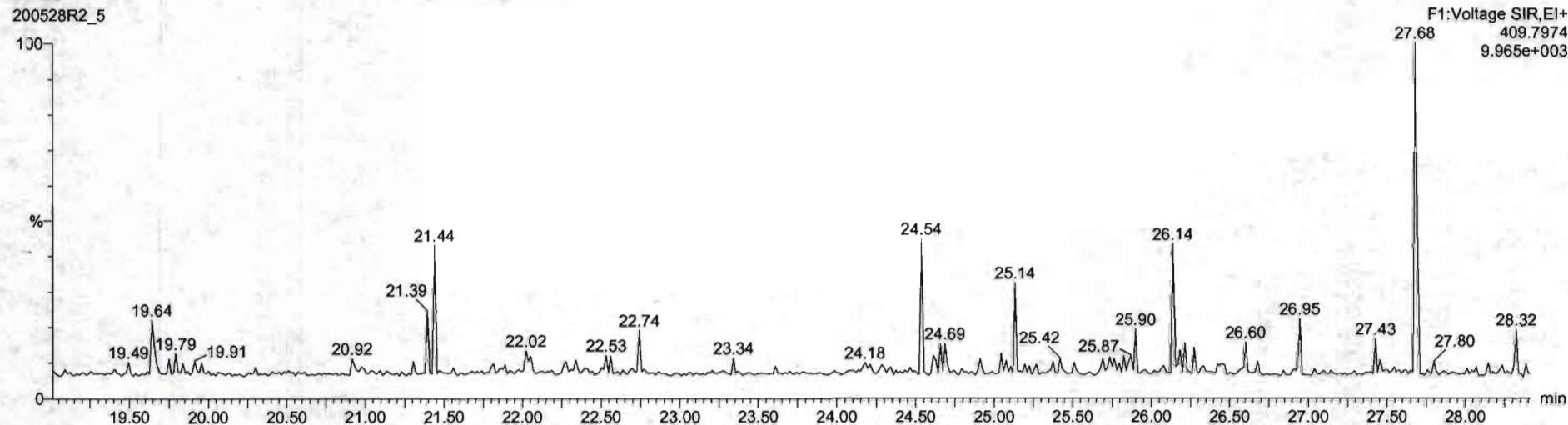


200528R2_5



DPE6

200528R2_5



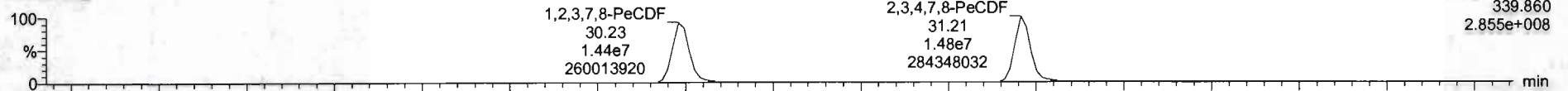
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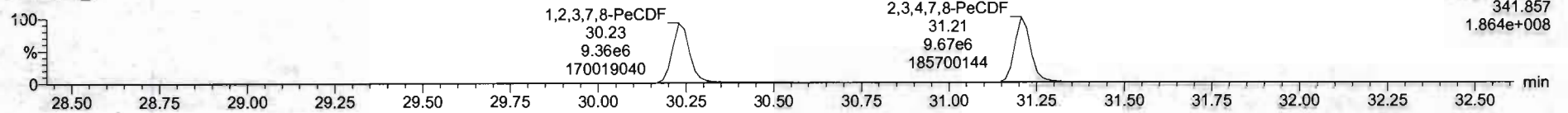
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1,2,3,7,8-PeCDF

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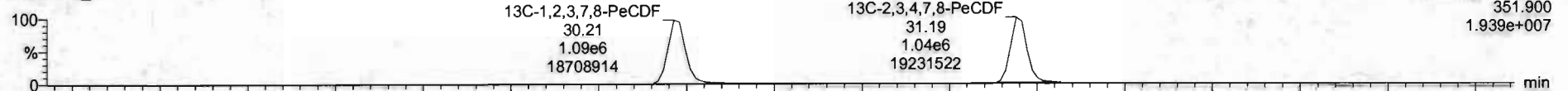


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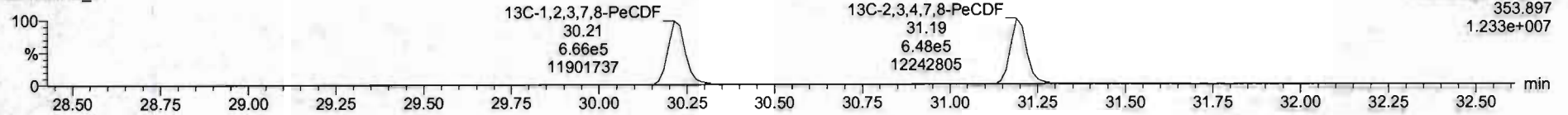


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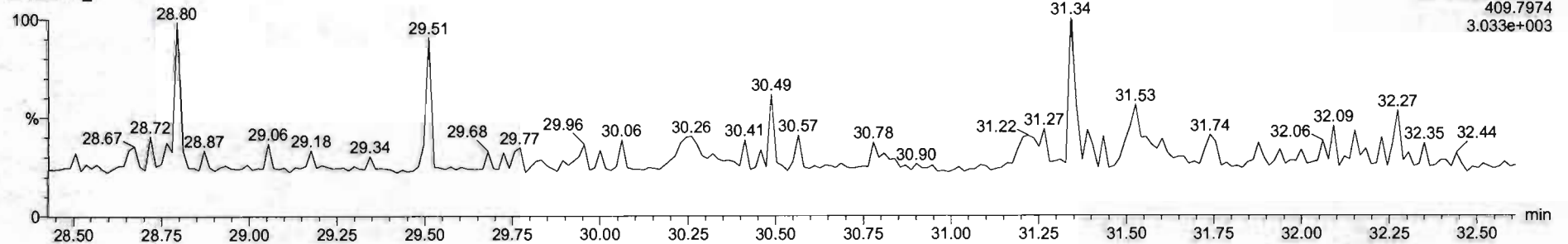


200528R2_5



DPE2

200528R2_5



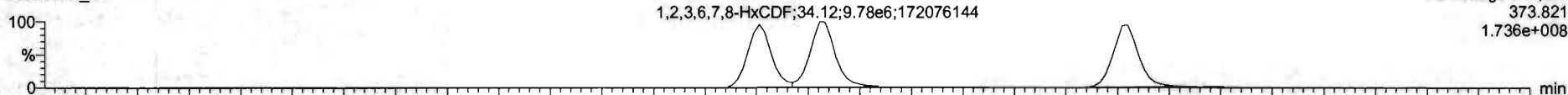
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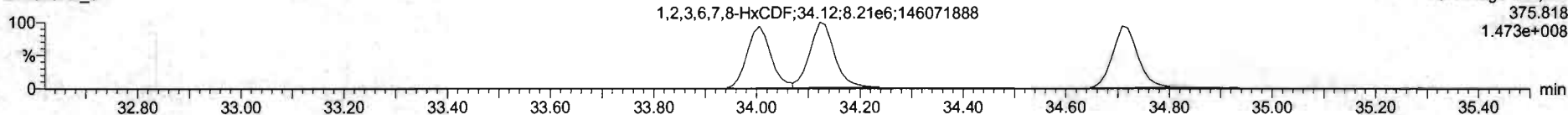
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1,2,3,4,7,8-HxCDF

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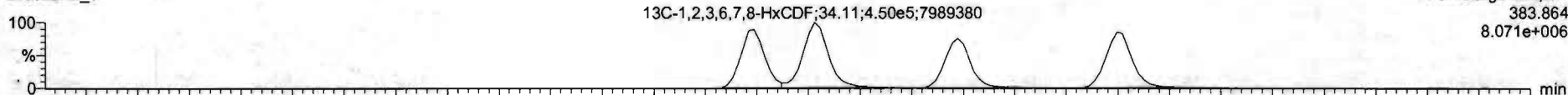


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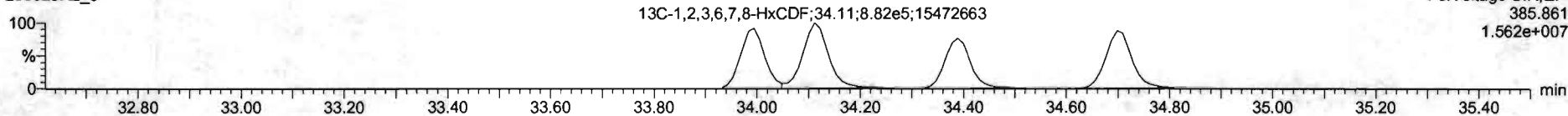


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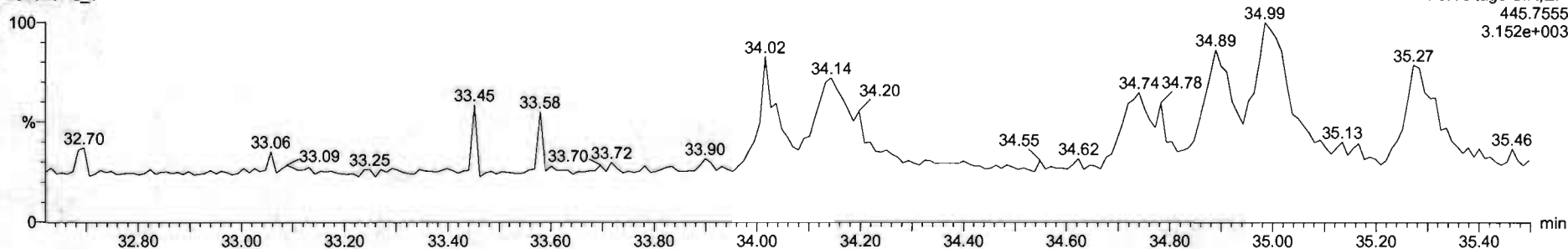


200528R2_5



DPE3

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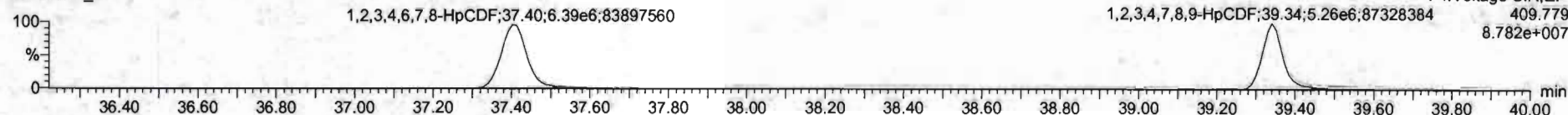
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1,2,3,4,6,7,8-HpCDF

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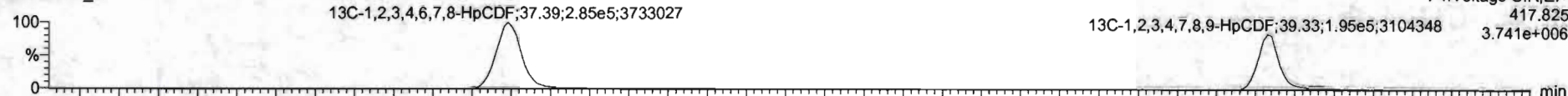


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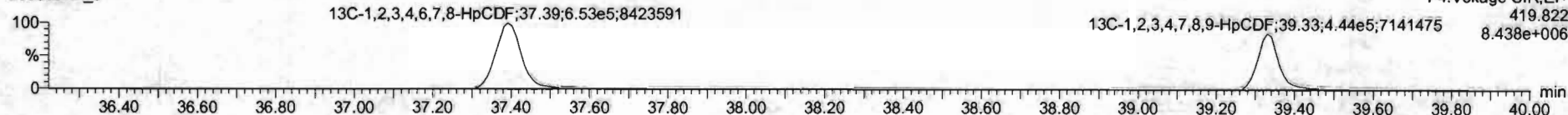


13C-1,2,3,4,6,7,8-HpCDF

200528R2_5

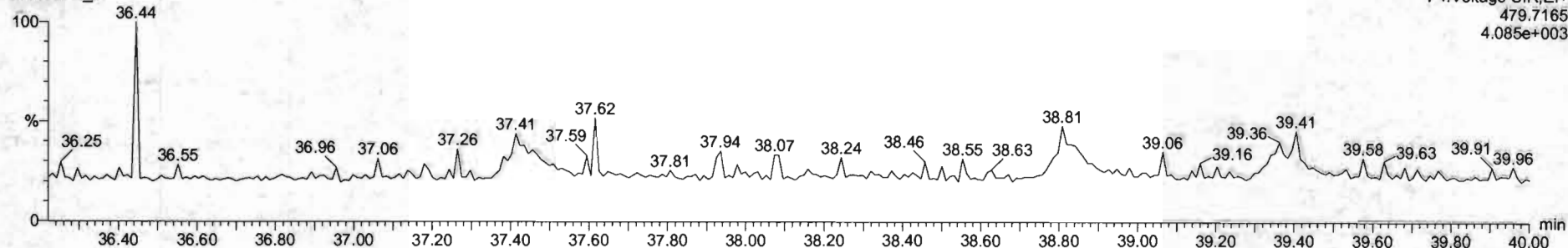


200528R2_5



DPE4

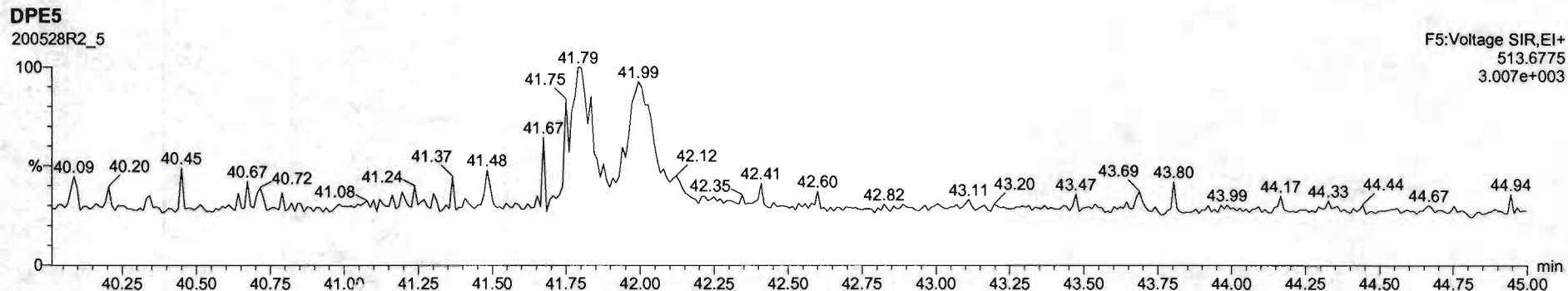
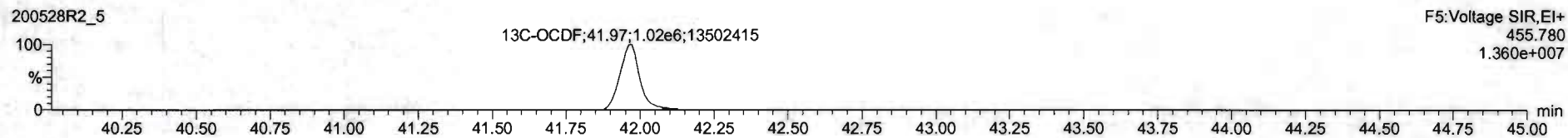
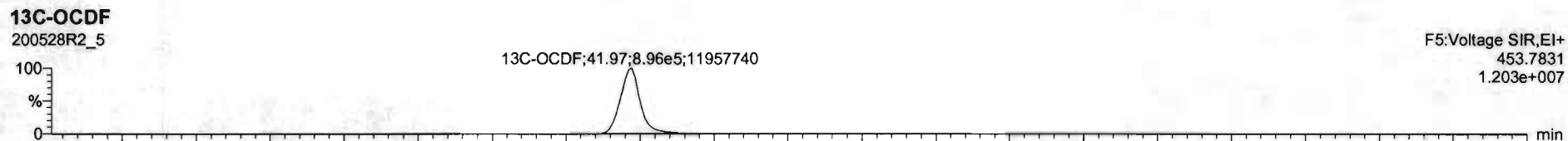
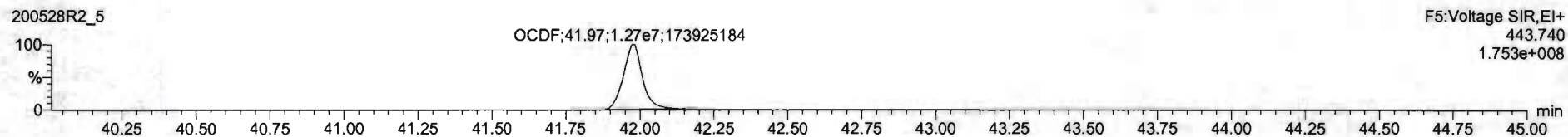
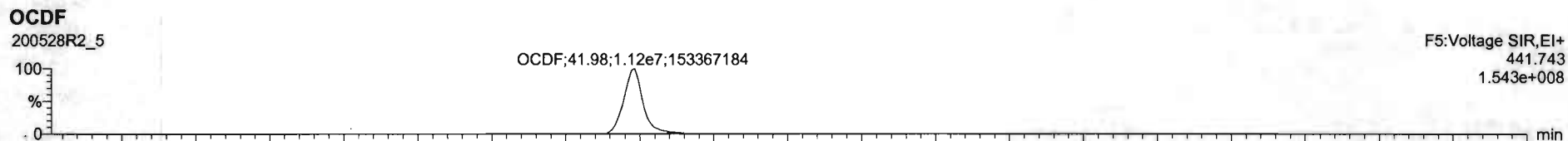
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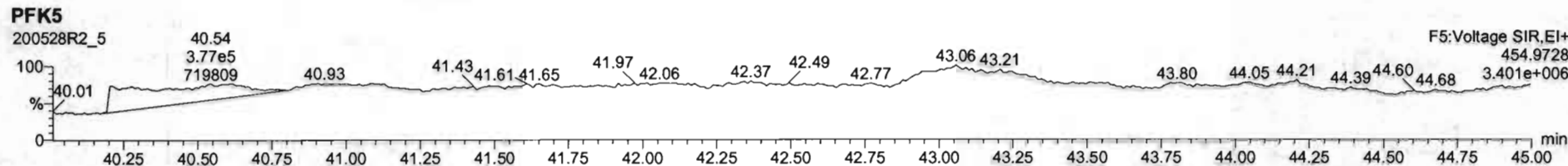
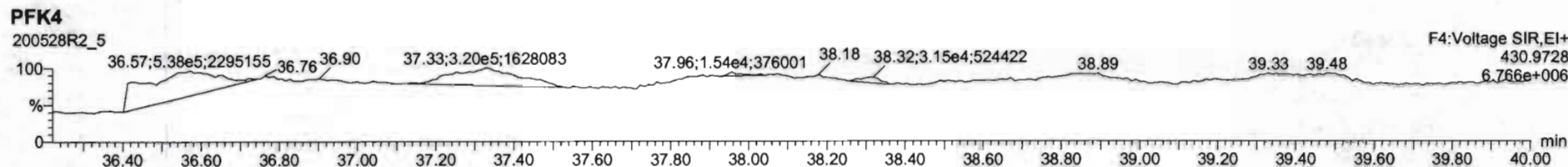
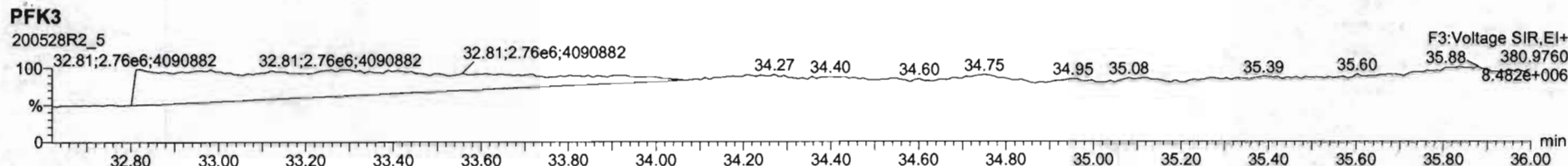
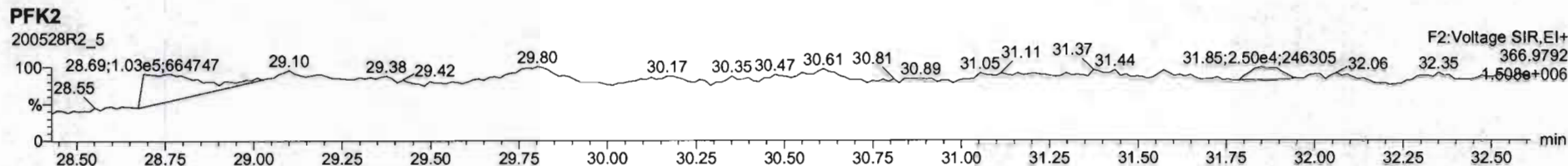
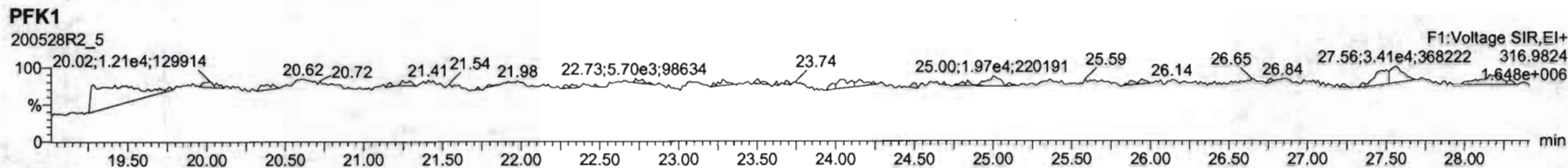
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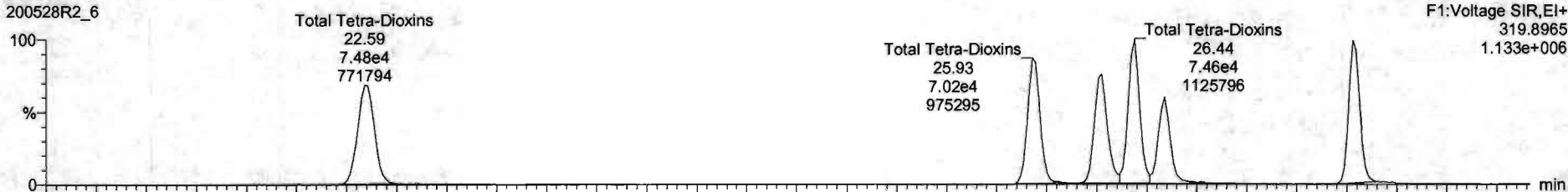
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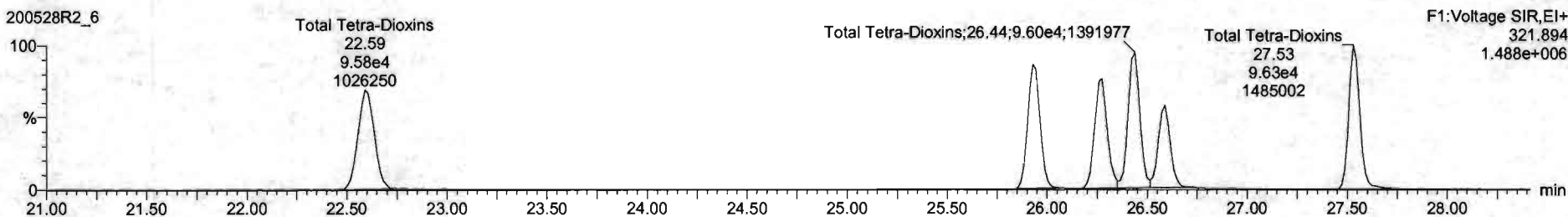
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2,3,7,8-TCDD

200528R2_6



200528R2_6

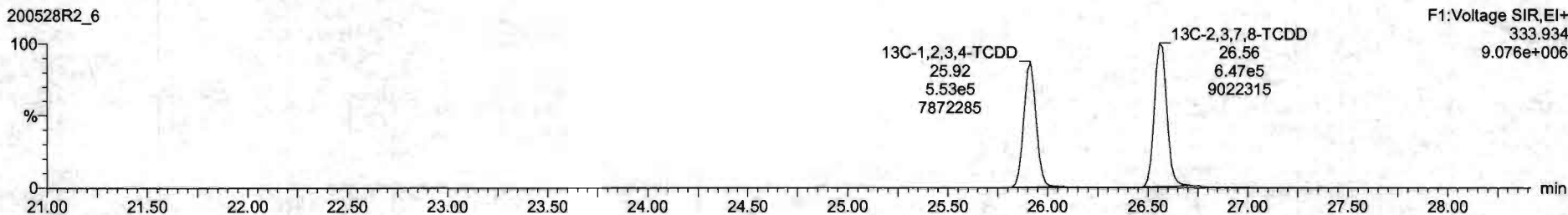


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200528R2_6



200528R2_6



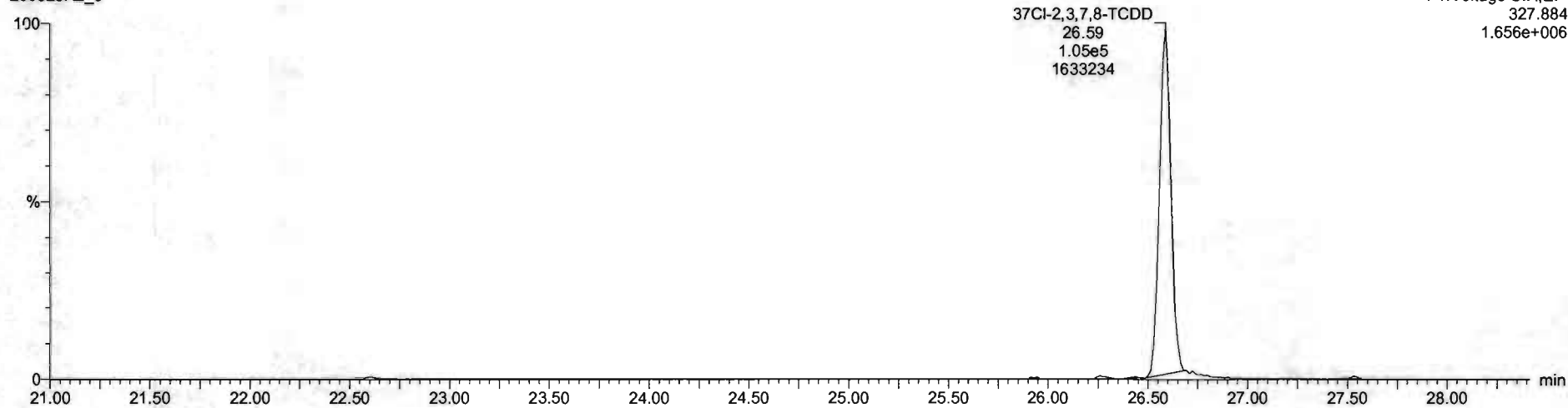
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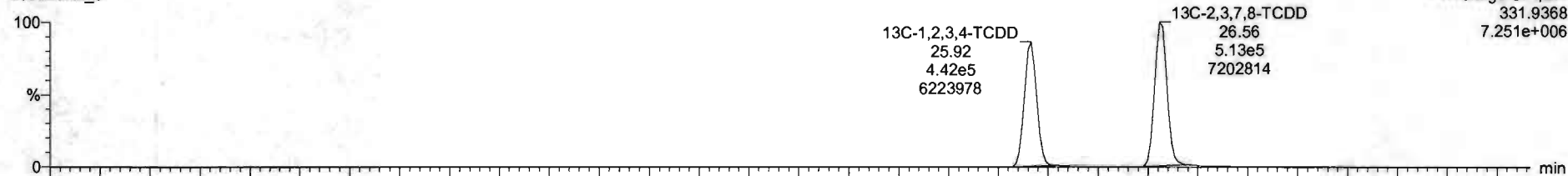
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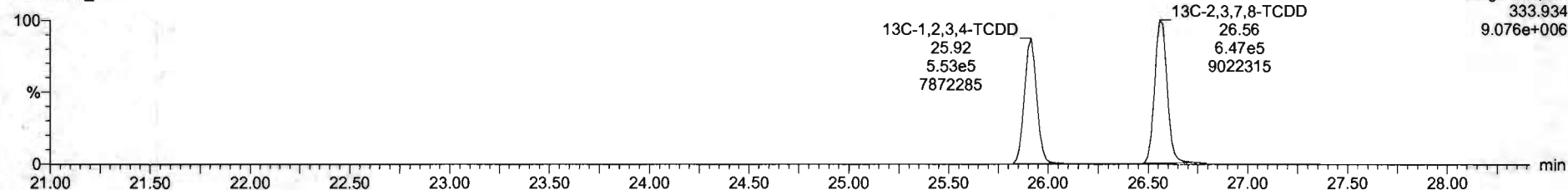


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200528R2_6



200528R2_6



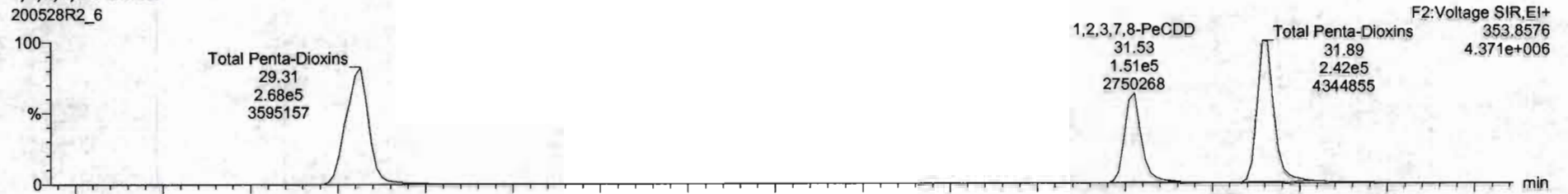
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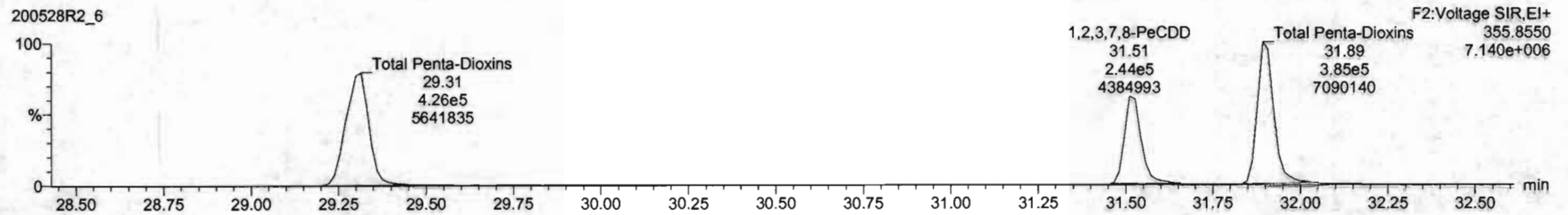
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1,2,3,7,8-PeCDD

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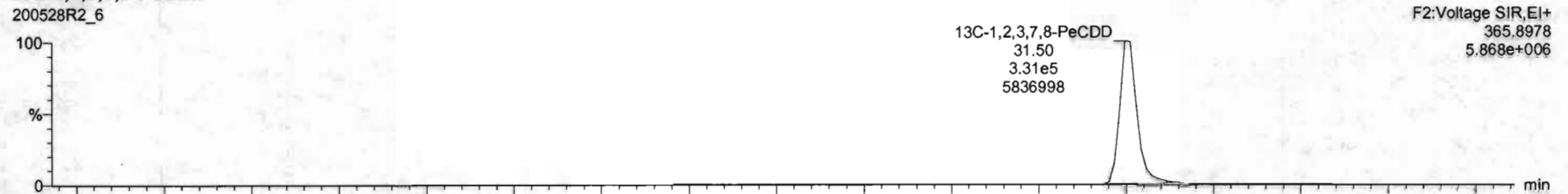


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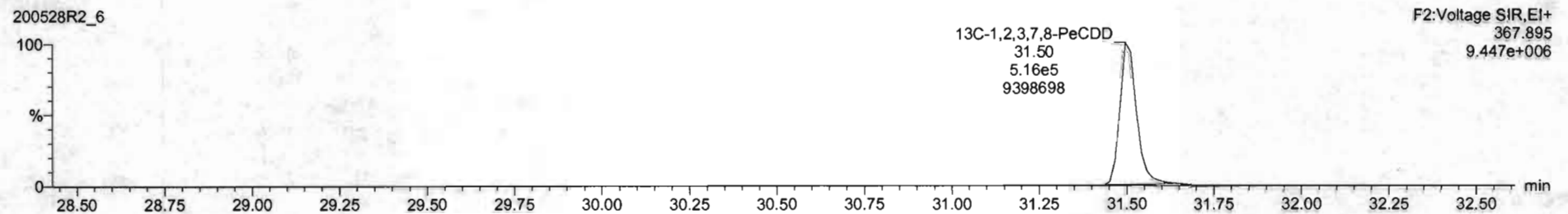


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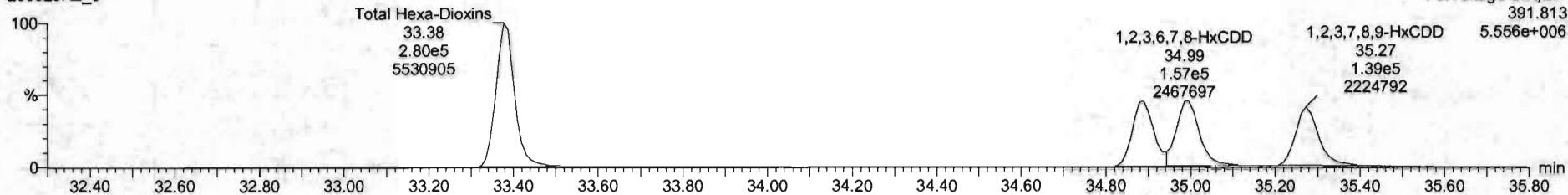
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1,2,3,4,7,8-HxCDD

200528R2_6

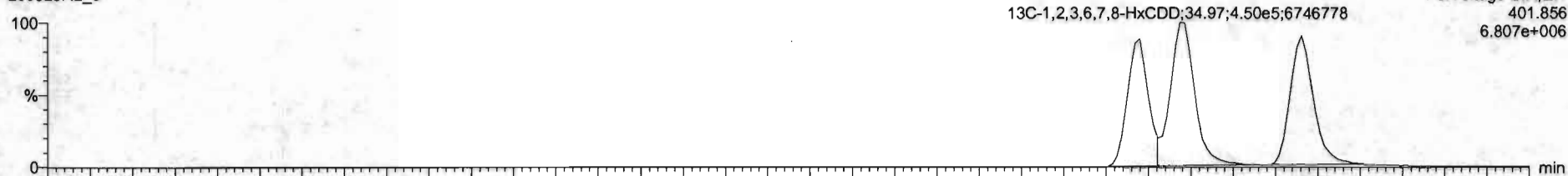


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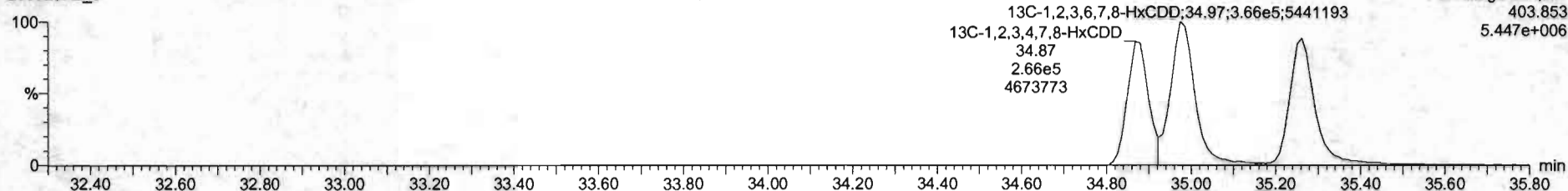


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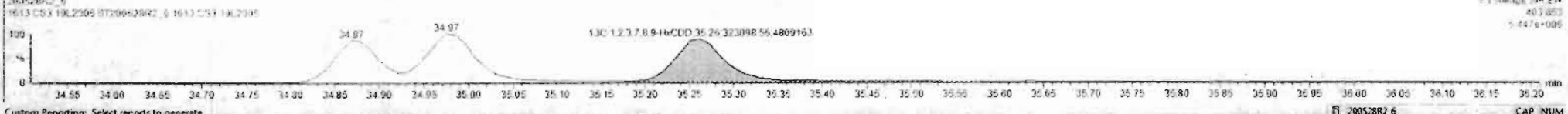
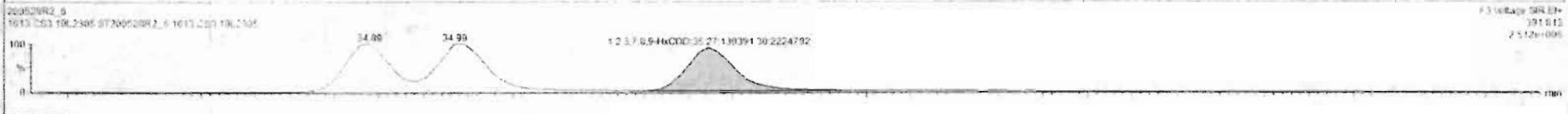
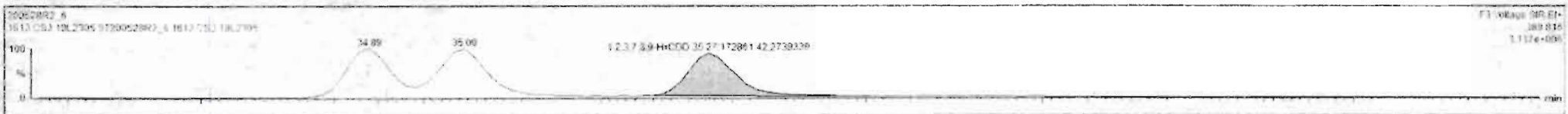
200528R2_6



200528R2_6



SL	Name	Resd	RA	aly	RR	sd/vol	RT	RRT	Conc.	%Rec	DL	LNPC
1	1,2,3,6-TCDD	1.06e5	0.91	NO	0.6203	1.000	26.59	1.001	10.2	102	0.0674	10.2
2	1,2,3,7,8-PeCDD	3.96e5	0.62	NO	0.9041	1.000	34.43	1.001	51.3	103	2.19e	51.3
3	1,2,3,4,7,8-HxCDD	7.25e5	1.22	NO	1.6334	1.000	34.89	1.000	52.1	104	0.220	52.1
4	1,2,3,6,7,8-HxCDD	3.51e5	1.24	NO	0.8907	1.000	34.20	1.001	48.3	96.8	0.271	48.3
5	1,2,3,7,8,9-HxCDD	3.12e5	1.24	NO	0.8869	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	2.29e5	1.02	NO	0.9618	1.000	35.81	1.000	51.2	102	0.209	51.2
7	CDD	4.53e5	0.38	NO	0.9136	1.000	41.78	1.000	102	102	0.206	102
8	1,2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.68	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.8905	1.000	30.25	1.000	51.2	102	0.130	51.2
10	1,2,3,7,8-PeCDF	4.81e5	1.57	NO	0.9348	1.000	31.22	1.000	49.3	101	0.130	49.3
11	1,2,3,4,7,8-HxCDF	3.98e5	1.21	NO	0.9545	1.000	34.07	1.000	51.1	102	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8862	1.000	34.13	1.000	51.9	104	0.179	51.9
13	1,2,3,4,6,7,8-HpCDF	3.88e5	1.25	NO	0.9341	1.000	34.72	1.000	51.9	104	0.197	51.9
14	1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8767	1.000	35.63	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.84e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.201	51.4
16	1,2,3,4,7,6,5-HpCDF	2.00e5	0.80	NO	1.0125	1.000	38.34	1.000	52.7	105	0.258	52.7
17	CDF	4.44e5	0.86	NO	0.8505	1.000	41.97	1.000	102	102	0.161	102
18	1,2,3,7,8,9-HxCDF	1.16e5	0.79	NO	1.1507	1.000	28.96	1.025	101	101	0.0990	101
19	1,2,3,4,6,7,8-HpCDD	8.48e5	0.84	NO	0.8450	1.000	31.60	1.215	100	100	0.205	100
20	1,2,3,4,7,8-HpCDD	8.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	98.9
21	1,2,3,6,7,8-HpCDD	8.19e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	102



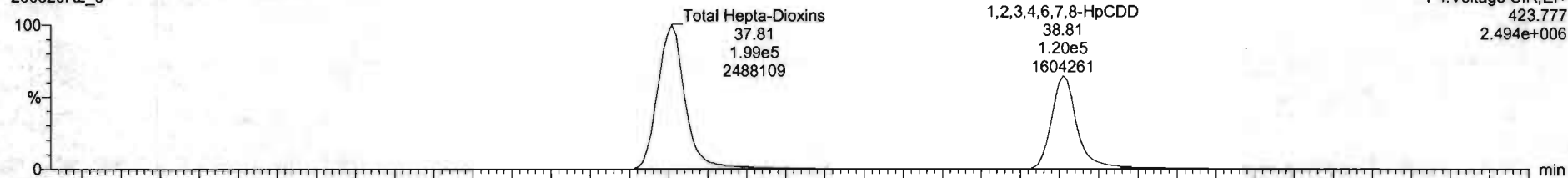
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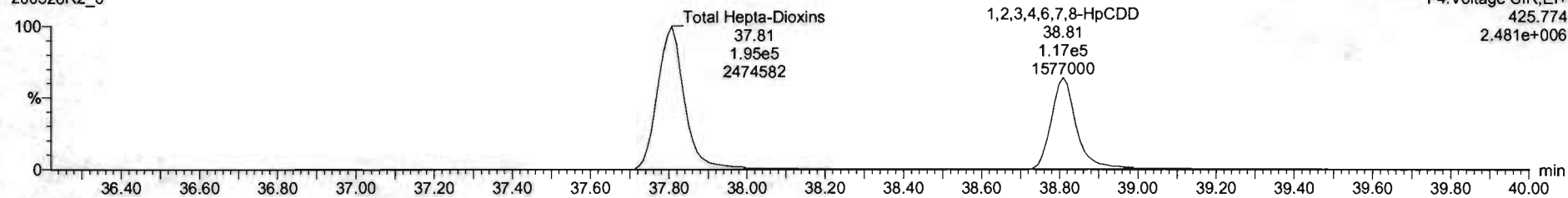
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1,2,3,4,6,7,8-HpCDD

200528R2_6

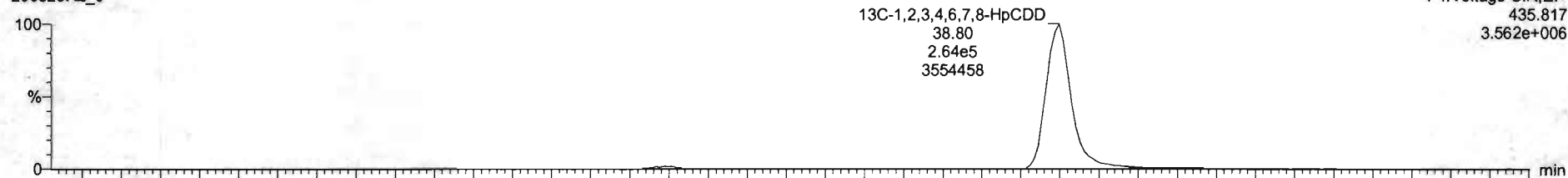


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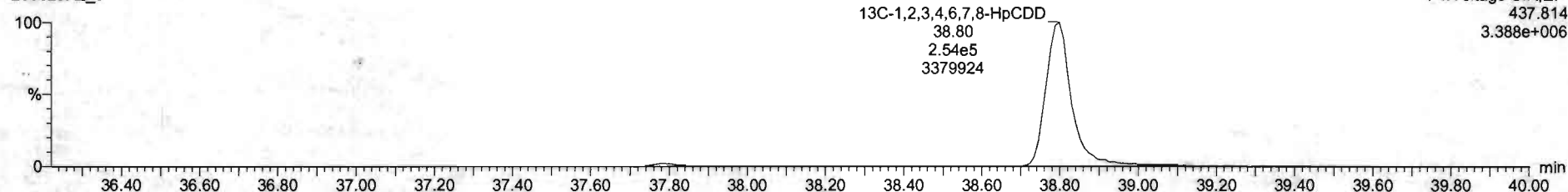


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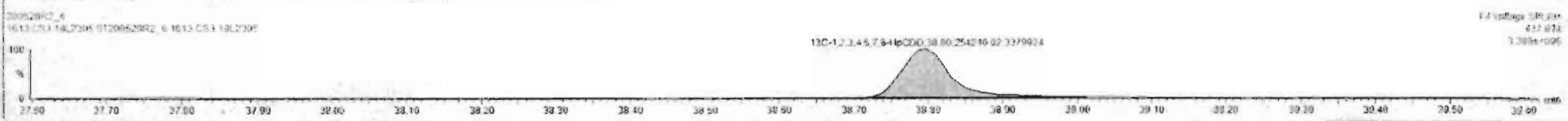
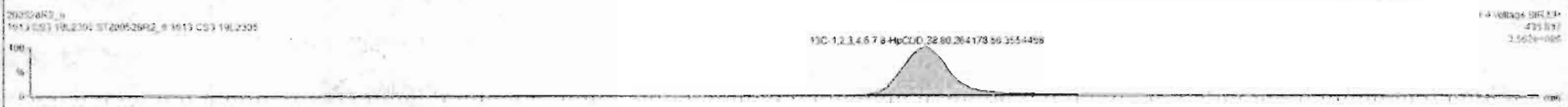
200528R2_6



200528R2_6



#	Name	Resp	RA	inj	RRF	wtvol	HT	RR1	Conc	%Rec	DL	EMPC
1	1,2,3,4,5-HpCDD	1.96e5	0.81	NO	0.880	1.000	26.19	1.001	10.2	102	0.0664	10.0
2	1,2,3,4,6,7,8-HpCDD	3.95e5	0.82	NO	0.900	1.000	31.53	1.001	51.3	102	0.195	51.3
3	1,2,3,4,7,8-HpCDD	3.25e5	1.23	NO	1.034	1.000	34.89	1.006	52.1	104	0.255	52.1
4	1,2,3,4,7,8-HxCDD	3.51e5	1.24	NO	0.890	1.000	35.35	1.001	48.2	96.4	0.251	48.2
5	1,2,3,4,7,8,9-HxCDD	3.12e5	1.24	NO	1.525	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HxCDD	3.95e5	1.03	NO	0.890	1.000	35.81	1.000	51.3	102	0.259	51.2
7	OCDF	4.53e5	0.98	NO	0.916	1.000	41.75	1.000	102	102	0.208	102
8	1,2,3,4,7,8-HxCDF	1.19e5	0.74	NO	0.710	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,4,7,8-HpCDF	5.72e5	1.57	NO	0.890	1.000	30.25	1.000	51.0	102	0.150	51.0
10	1,2,3,4,7,8-HxCDF	5.81e5	1.57	NO	0.934	1.000	31.00	1.000	50.3	101	0.150	50.3
11	1,2,3,4,7,8,9-HxCDF	5.58e5	1.21	NO	0.854	1.000	34.01	1.000	51.1	102	0.151	51.1
12	1,2,3,6,7,8-HpCDF	4.22e5	1.25	NO	0.850	1.000	34.13	1.000	51.9	104	0.170	51.9
13	1,2,3,4,6,7,8-HxCDF	3.88e5	1.25	NO	0.904	1.000	34.72	1.000	51.9	104	0.157	51.8
14	1,2,3,7,8-HpCDF	3.98e5	1.22	NO	0.870	1.000	35.03	1.000	51.1	102	0.209	51.1
15	1,2,3,4,6,7,8-HpCDF	2.54e5	0.98	NO	0.874	1.000	37.41	1.001	51.4	103	0.201	51.4
16	1,2,3,4,7,8,9-HpCDF	2.30e5	0.98	NO	1.012	1.000	38.14	1.000	52.7	108	0.288	52.7
17	OCDF	4.44e5	0.85	NO	0.800	1.000	41.87	1.000	102	102	0.161	102
18	13C-1,2,3,4,7,8-HpCDD	1.16e5	0.79	NO	1.150	1.000	29.56	1.025	101	101	0.0980	
19	13C-1,2,3,4,7,8-HxCDD	3.45e5	0.84	NO	0.940	1.000	33.50	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HpCDF	8.04e5	1.27	NO	0.770	1.000	34.58	1.014	98.9	98.9	0.188	
21	13C-1,2,3,6,7,8-HxCDD	8.15e5	1.23	NO	1.040	1.000	34.97	1.017	102	102	0.144	



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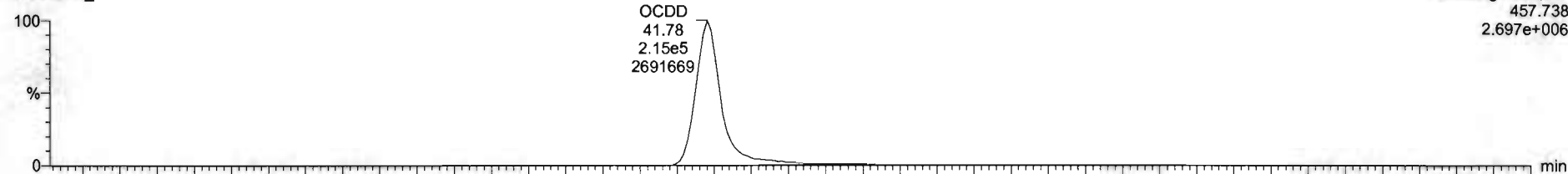
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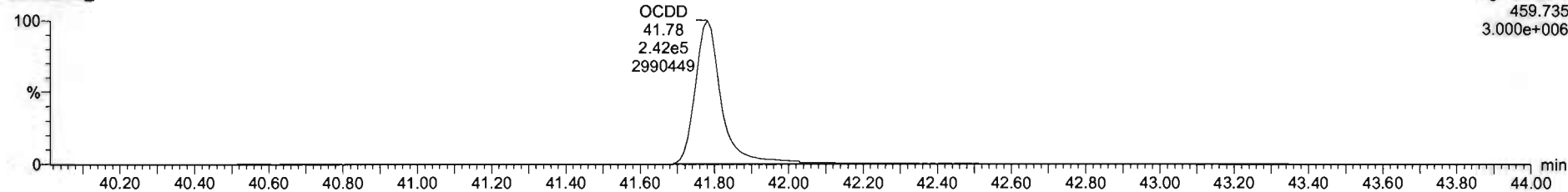
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OCDD

200528R2_6

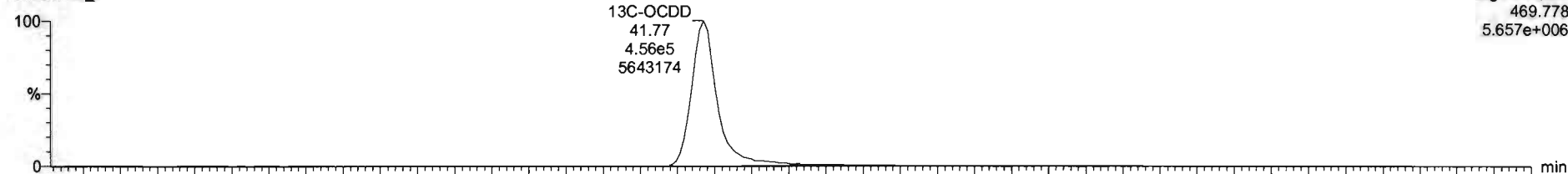


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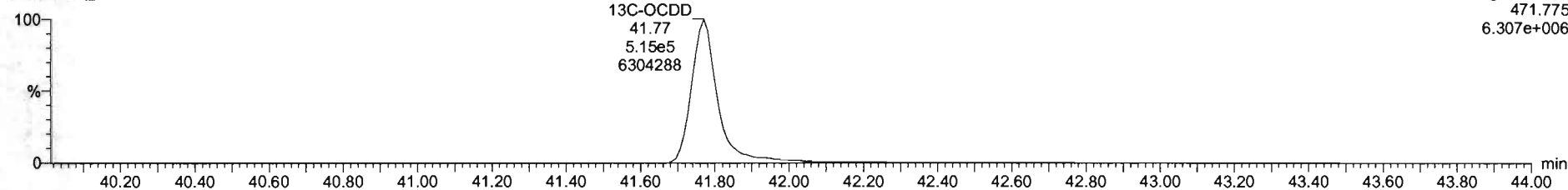


13C-OCDD

200528R2_6



200528R2_6



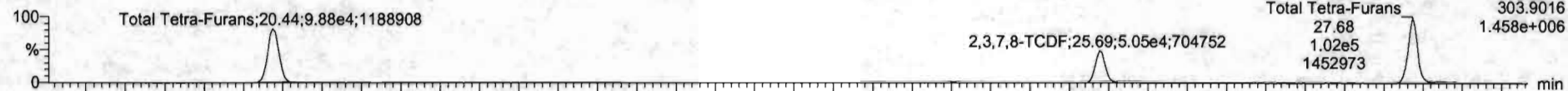
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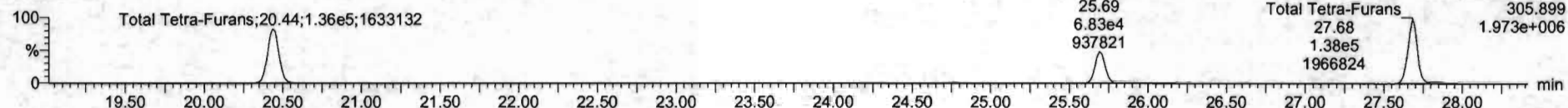
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2,3,7,8-TCDF

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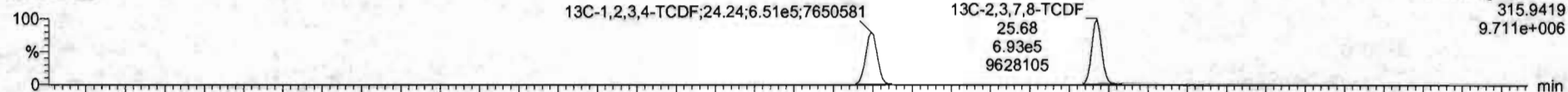


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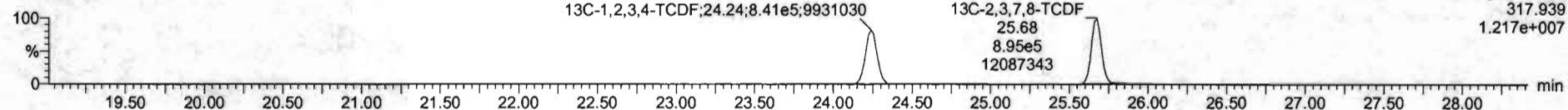


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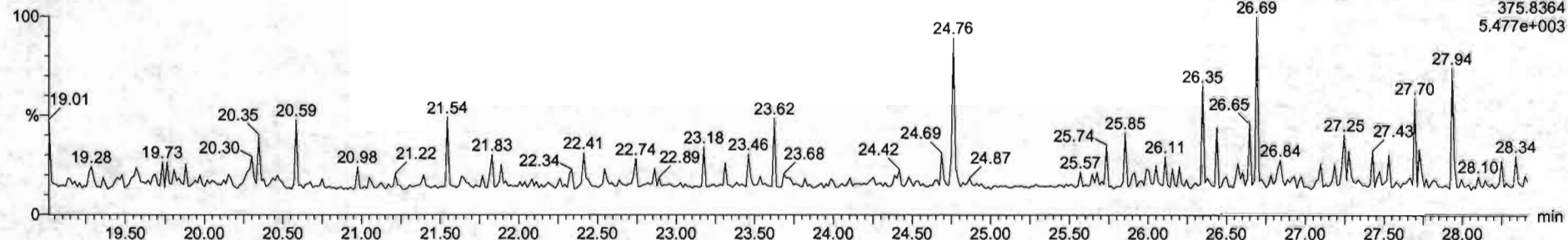


200528R2_6



DPE1

200528R2_6



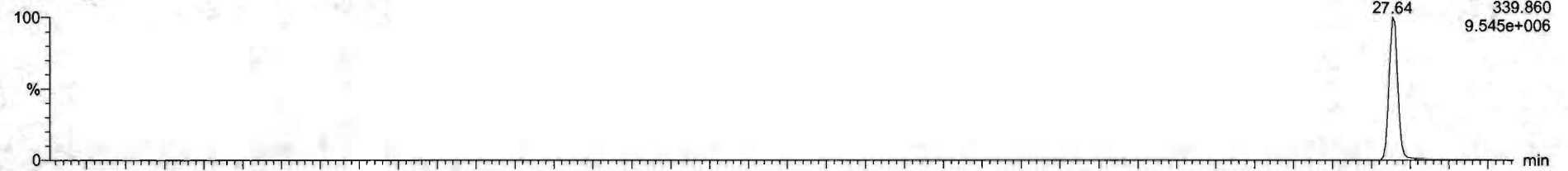
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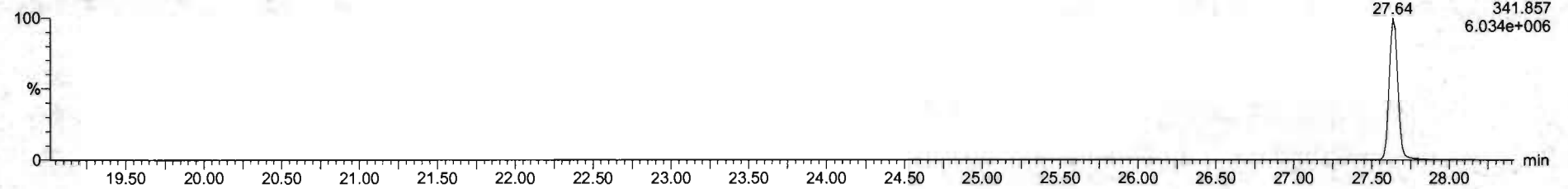
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200528R2_6

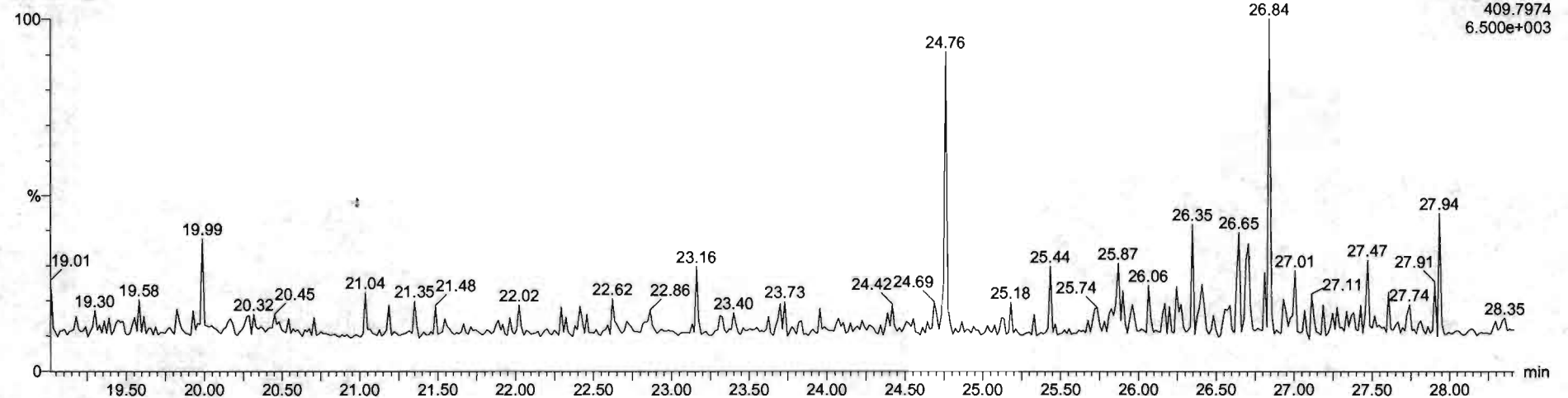


200528R2_6



DPE6

200528R2_6



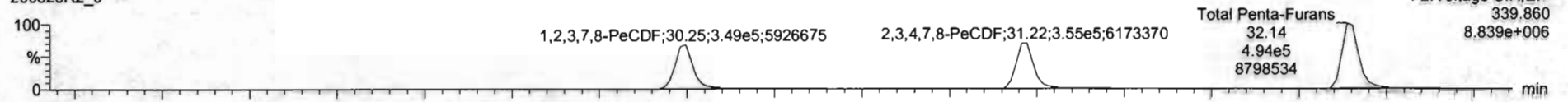
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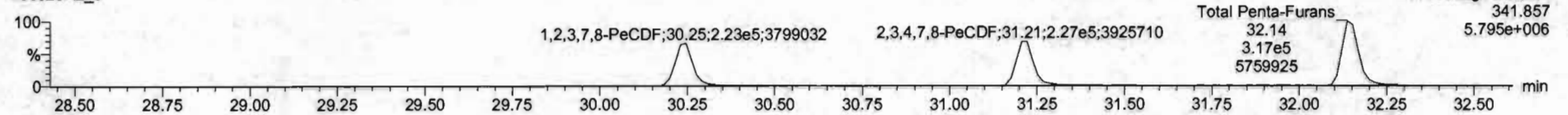
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDF

200528R2_6

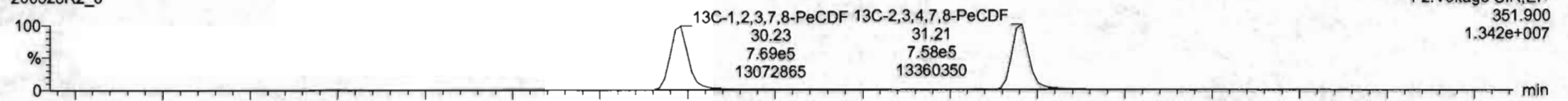


200528R2_6

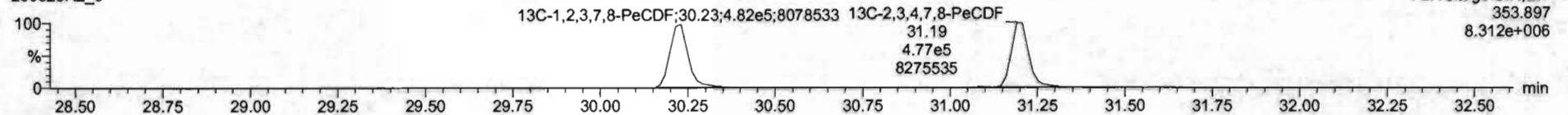


13C-1,2,3,7,8-PeCDF

200528R2_6

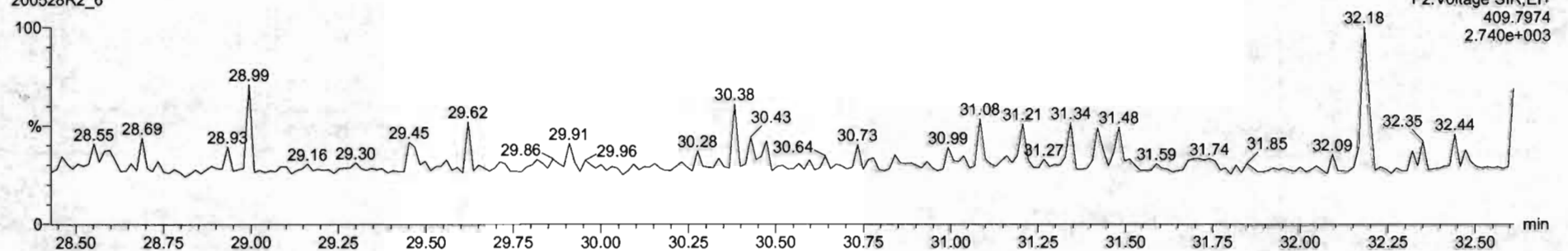


200528R2_6



DPE2

200528R2_6

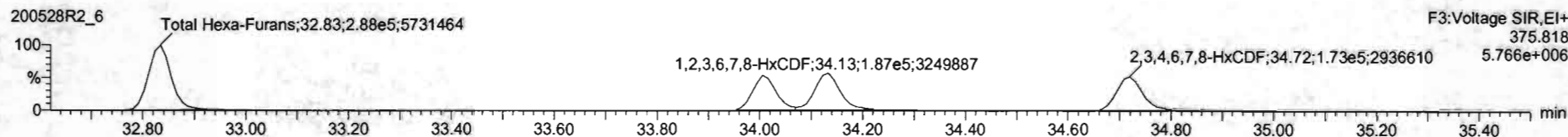
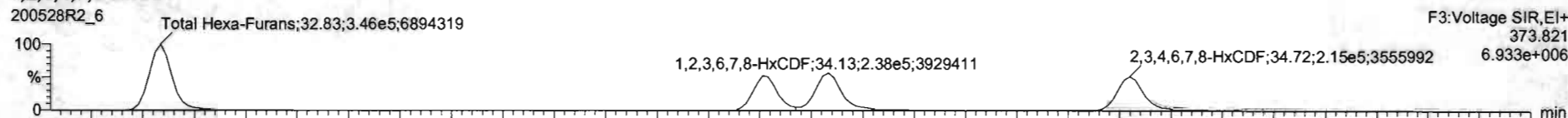


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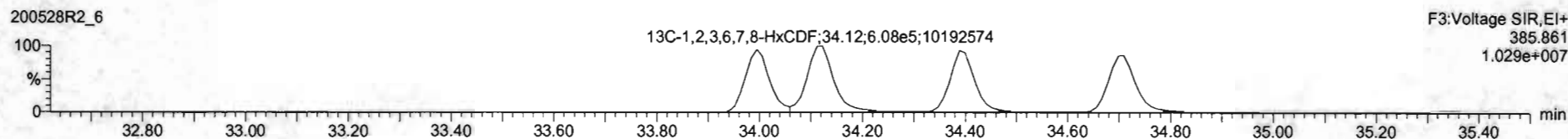
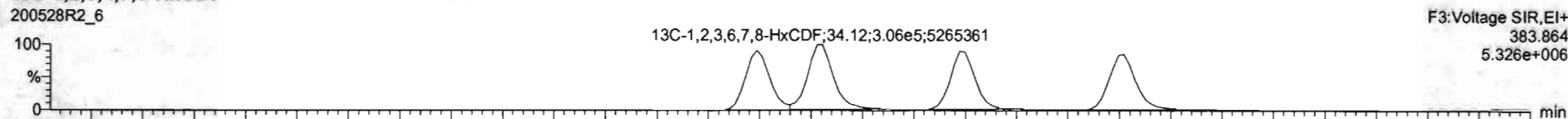
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Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

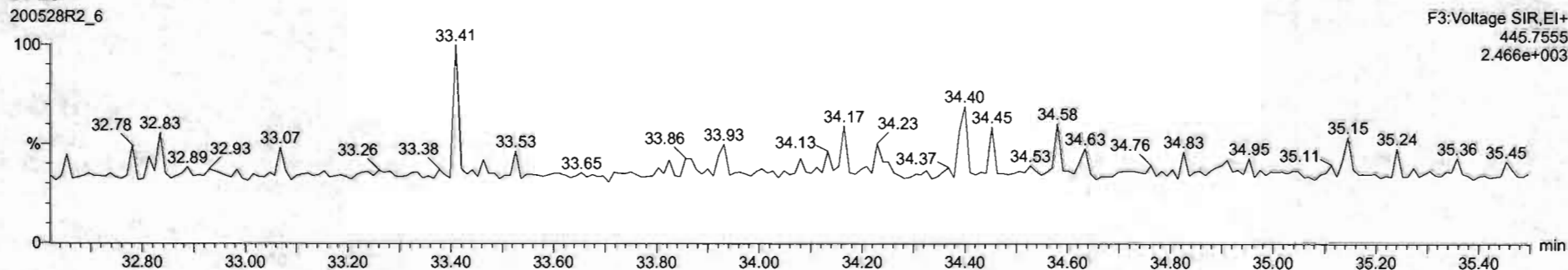
1,2,3,4,7,8-HxCDF



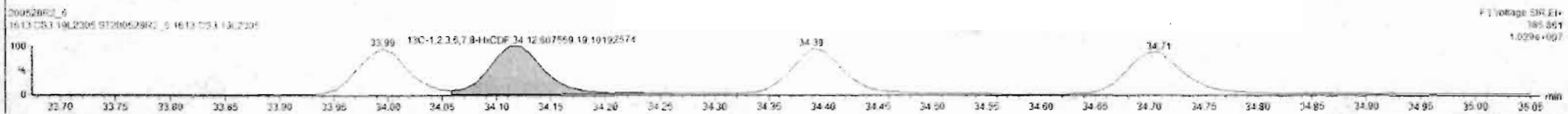
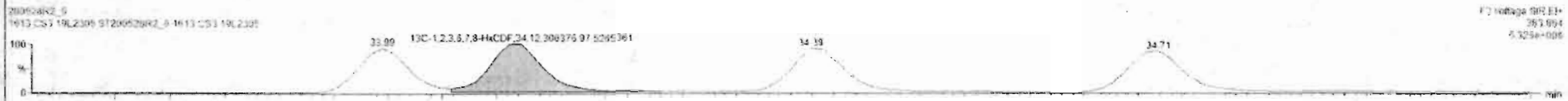
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	WV	RRF	WtVal	RT	RRT	Conc	%Rec	DL	EMFC
1 2,3,7,8-TCDD	1.06e5	0.81	NO	0.6082	1.000	26.55	1.001	102	102	0.0664	10.2
2 1,2,3,7,8-PeCDD	1.56e5	0.82	NO	0.6081	1.000	31.53	1.001	51.3	103	0.194	51.3
3 1,2,3,4,7,8-HxCDD	0.25e5	1.23	NO	1.0334	1.000	34.89	1.000	32.1	104	0.220	52.1
4 1,2,3,6,7,8-HxCDD	0.31e5	1.24	NO	0.8923	1.000	25.00	1.001	48.3	96.6	0.231	48.3
5 1,2,3,7,8,9-HxCDD	0.12e5	1.24	NO	0.9269	1.000	35.27	1.000	49.9	99.8	0.264	49.9
6 1,2,3,4,6,7,8-HpCDD	0.26e5	1.01	NO	0.8838	1.000	26.61	1.000	51.2	102	0.209	51.2
7 OCDD	1.53e5	0.86	NO	0.5136	1.000	41.78	1.000	102	102	0.290	102
8 2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9 1,2,3,7,8-PeCDF	0.72e5	1.57	NO	0.8925	1.000	30.25	1.000	51.2	102	0.139	51.2
10 2,3,4,7,8-PeCDF	0.91e5	1.57	NO	0.9248	1.000	31.22	1.000	28.3	101	0.130	28.3
11 1,2,3,4,7,8-HxCDF	0.56e5	1.21	NO	0.8845	1.000	34.01	1.000	51.1	102	0.191	51.1
12 1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8092	1.000	34.13	1.000	51.9	104	0.170	51.9
13 2,3,4,6,7,8-HxCDF	1.58e5	1.25	NO	0.9241	1.000	34.72	1.000	51.9	104	0.197	51.9
14 1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8707	1.000	35.83	1.000	51.1	102	0.201	51.1
15 1,2,3,4,6,7,8-HpCDF	2.64e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
18 1,2,3,4,7,8,9-HpCDF	0.20e5	0.90	NO	1.0100	1.000	39.34	1.000	52.7	105	0.268	52.7
17 OCDF	1.44e5	0.86	NO	0.8085	1.000	41.97	1.000	102	102	0.141	102
19 1,2,3,7,8-TCDF	1.16e5	0.79	NO	1.1583	1.000	26.56	1.026	101	101	0.0890	
13C 1,2,3,7,8-PeCDD	0.48e5	0.64	NO	0.8490	1.000	31.50	1.215	100	100	0.235	
20 13C-1,2,3,7,8-HxCDD	0.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	
21 13C-1,2,3,6,7,8-HxCDD	0.15e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



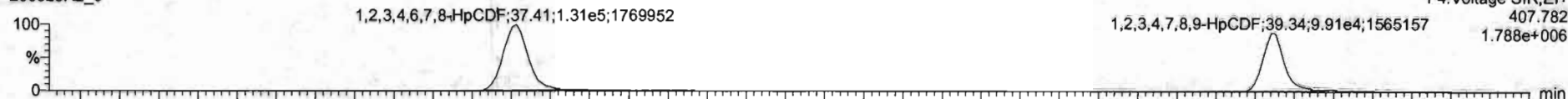
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

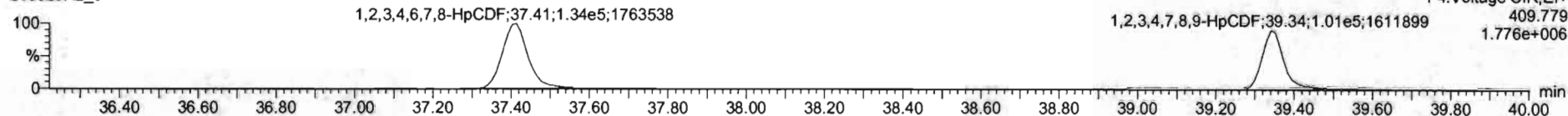
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1,2,3,4,6,7,8-HpCDF

200528R2_6

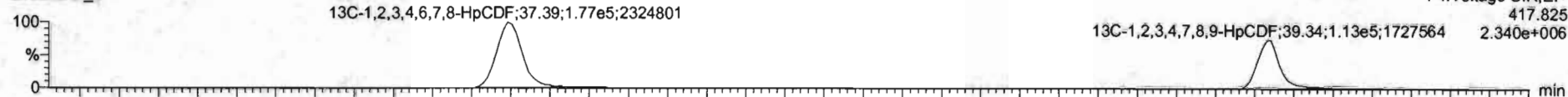


200528R2_6

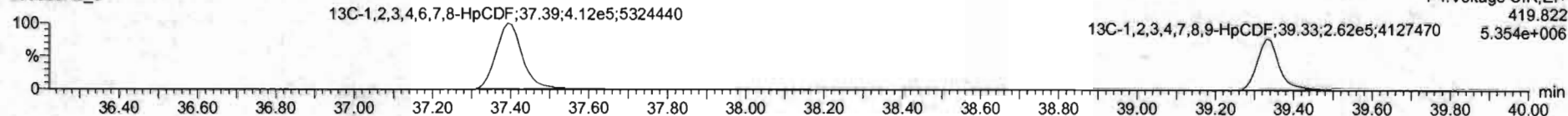


13C-1,2,3,4,6,7,8-HpCDF

200528R2_6

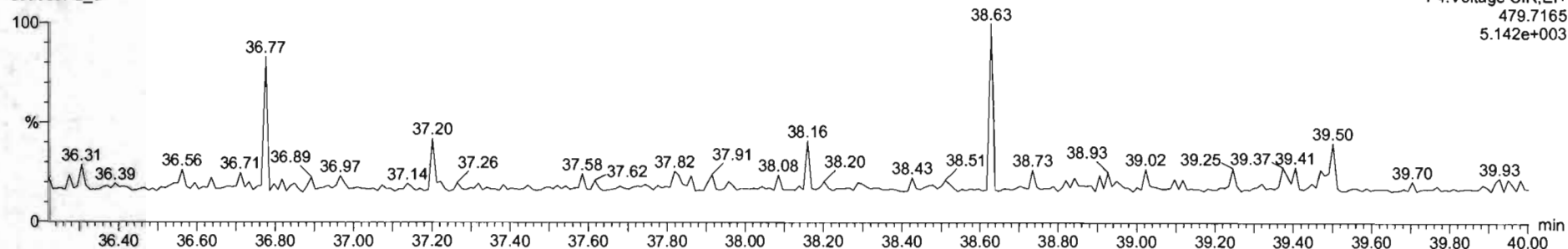


200528R2_6



DPE4

200528R2_6

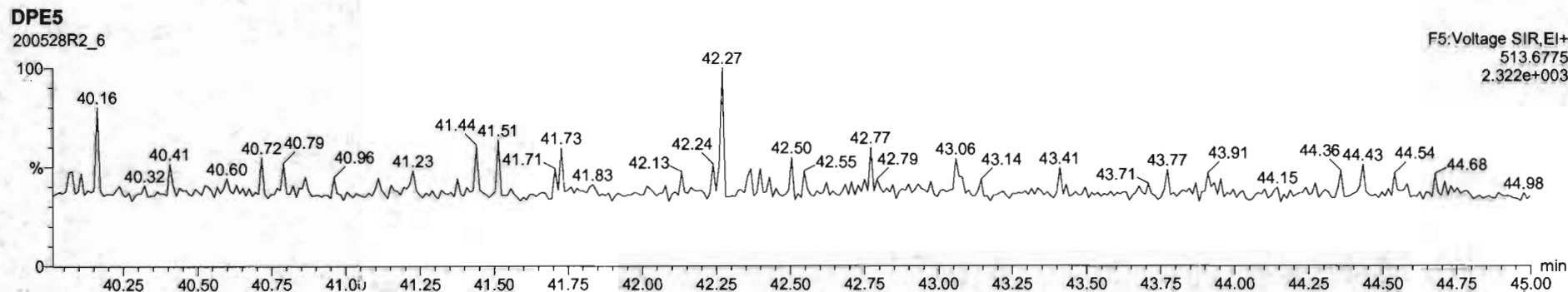
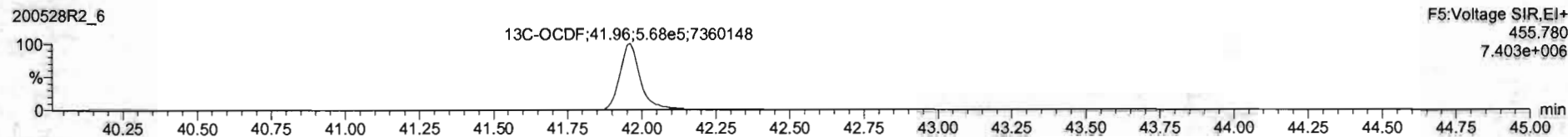
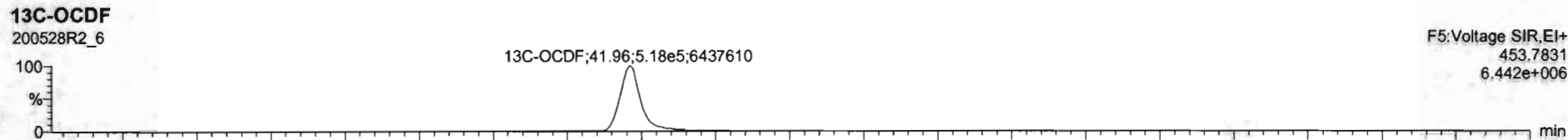
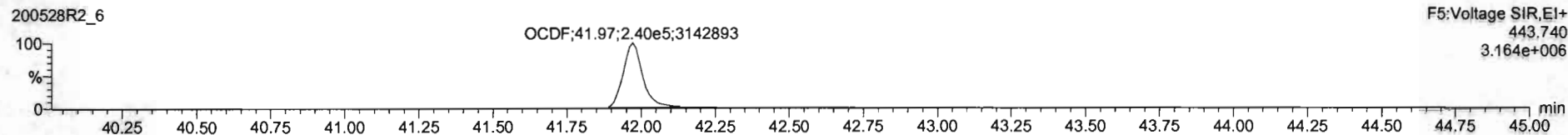
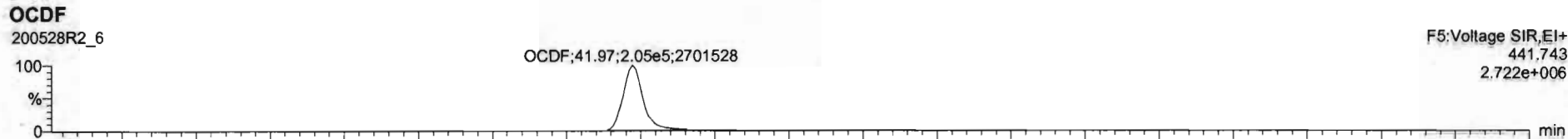


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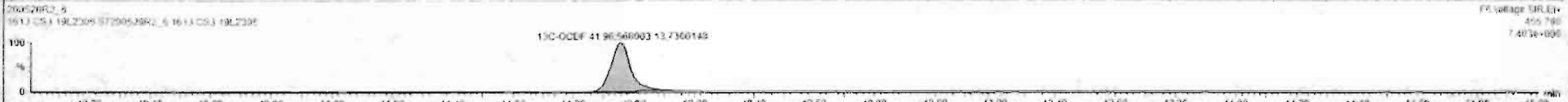
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Name: 200528R2_6, Date: 28-May-2020, Time: 15:58:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



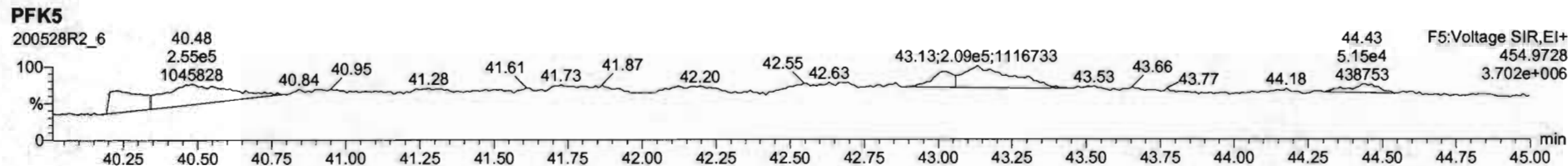
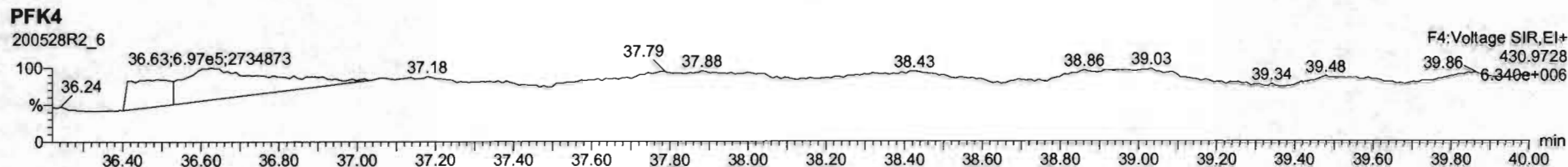
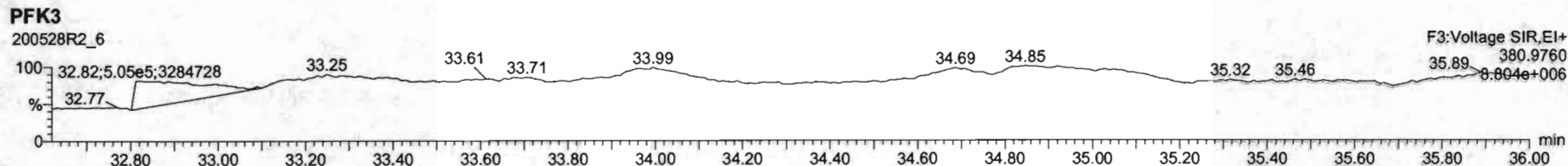
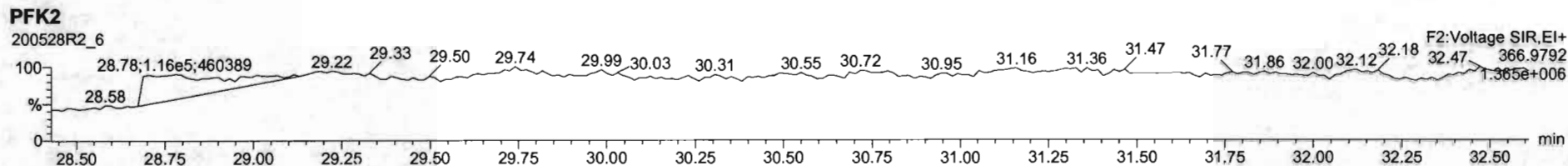
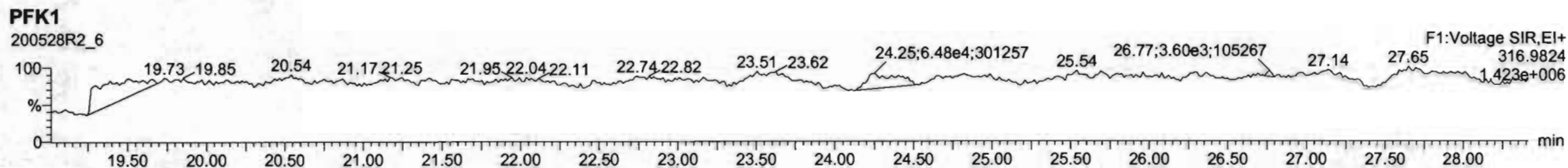
#	Name	Resp	RA	Qty	RRF	Wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.06e5	0.81	NO	0.8503	1.000	26.19	1.001	10.2	102	0.0664	10.2
2	1,2,3,7,8-PeCDD	3.56e5	0.62	NO	0.8091	1.000	31.53	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDD	0.25e5	1.23	NO	1.0334	1.000	34.99	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDD	0.51e5	1.34	NO	0.8921	1.000	35.00	1.001	48.3	96.6	0.231	48.3
5	1,2,3,7,8,9-HxCDD	0.12e5	1.24	NO	0.8265	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	1.06e5	1.01	NO	1.9839	1.000	36.81	1.000	73.2	102	0.109	73.2
7	OCDD	4.53e5	0.68	NO	0.9136	1.000	41.78	1.000	102	102	0.206	102
8	2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.98	99.8	0.0613	9.96
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.8925	1.000	30.24	1.000	51.2	102	0.139	51.2
10	1,2,3,4,7,8-HxCDF	0.61e5	1.57	NO	0.9348	1.000	31.22	1.000	40.3	101	0.150	40.3
11	1,2,3,4,7,8-HxCDF	3.56e5	1.31	NO	0.8545	1.000	34.81	1.000	51.1	103	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8282	1.000	34.13	1.000	51.9	104	0.176	51.9
13	2,3,4,6,7,8-HxCDF	3.08e5	1.25	NO	0.9341	1.000	34.72	1.000	51.8	104	0.187	51.8
14	1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8787	1.000	34.83	1.000	51.1	102	0.291	51.1
15	1,2,3,4,6,7,8-HpCDF	2.64e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
16	1,2,3,4,7,8,9-HpCDF	2.00e5	0.98	NO	1.0128	1.000	39.34	1.000	52.7	102	0.258	52.7
17	OCDF	4.44e5	0.85	NO	0.6085	1.000	41.97	1.000	102	102	0.191	102
18	13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.1523	1.000	26.19	1.024	101	101	0.0680	
19	13C-1,2,3,7,8-PeCDD	6.48e5	0.64	NO	0.8456	1.000	31.53	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HxCDD	0.64e5	1.27	NO	0.7790	1.000	34.98	1.014	98.9	98.9	0.168	
21	13C-1,2,3,6,7,8-HxCDD	0.15e5	1.23	NO	1.8187	1.000	34.97	1.017	102	102	0.144	



Dataset: Untitled

Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
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Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

Last Altered: Friday, May 29, 2020 7:44:05 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

GRB 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	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	1.24e5	0.78	NO	0.888	1.000	26.575	26.57	1.001	1.001	11.080	111	0.0262	11.1
2	2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.908	1.000	31.518	31.51	1.001	1.000	56.429	113	0.0622	56.4
3	3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.03	1.000	34.879	34.88	1.000	1.000	58.033	116	0.101	58.0
4	4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.892	1.000	34.975	34.99	1.000	1.000	57.963	116	0.105	58.0
5	5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.887	1.000	35.262	35.26	1.000	1.000	57.107	114	0.119	57.1
6	6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.864	1.000	38.799	38.80	1.000	1.000	55.832	112	0.168	55.8
7	7 OCDD	5.15e5	0.88	NO	0.914	1.000	41.759	41.78	1.000	1.001	111.26	111	0.171	111
8	8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.751	1.000	25.671	25.68	1.001	1.001	11.386	114	0.0333	11.4
9	9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.893	1.000	30.236	30.23	1.001	1.001	55.728	111	0.0942	55.7
10	10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.935	1.000	31.222	31.21	1.001	1.000	60.229	120	0.0851	60.2
11	11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.884	1.000	33.984	33.99	1.000	1.000	55.936	112	0.113	55.9
12	12 1,2,3,6,7,8-HxCDF	5.08e5	1.18	NO	0.889	1.000	34.122	34.12	1.000	1.000	56.761	114	0.107	56.8
13	13 2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.934	1.000	34.732	34.71	1.001	1.000	56.468	113	0.117	56.5
14	14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.871	1.000	35.614	35.62	1.000	1.000	55.299	111	0.174	55.3
15	15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.873	1.000	37.430	37.40	1.001	1.000	54.506	109	0.182	54.5
16	16 1,2,3,4,7,8,9-HpCDF	2.38e5	1.00	NO	1.01	1.000	39.331	39.34	1.000	1.000	57.740	115	0.198	57.7
17	17 OCDF	5.22e5	0.87	NO	0.806	1.000	41.951	41.96	1.000	1.000	113.77	114	0.201	114
18	18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.16	1.000	26.584	26.54	1.026	1.025	91.859	91.9	0.0837	
19	19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.849	1.000	31.784	31.50	1.227	1.216	88.503	88.5	0.117	
20	20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.779	1.000	34.874	34.87	1.014	1.014	88.587	88.6	0.180	
21	21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.02	1.000	34.987	34.97	1.017	1.017	88.739	88.7	0.138	
22	22 13C-1,2,3,7,8,9-HxCDD	7.39e5	1.24	NO	0.903	1.000	35.259	35.25	1.025	1.025	87.785	87.8	0.155	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.53e5	1.04	NO	0.689	1.000	38.787	38.79	1.128	1.128	86.116	86.1	0.160	
24	24 13C-OCDD	1.01e6	0.89	NO	0.652	1.000	41.813	41.76	1.216	1.214	166.64	83.3	0.212	
25	25 13C-2,3,7,8-TCDF	1.73e6	0.77	NO	1.06	1.000	25.623	25.65	0.989	0.990	90.815	90.8	0.116	
26	26 13C-1,2,3,7,8-PeCDF	1.35e6	1.61	NO	0.838	1.000	30.163	30.21	1.165	1.167	89.693	89.7	0.169	
27	27 13C-2,3,4,7,8-PeCDF	1.33e6	1.57	NO	0.817	1.000	31.119	31.19	1.202	1.204	90.666	90.7	0.174	
28	28 13C-1,2,3,4,7,8-HxCDF	8.51e5	0.51	NO	1.01	1.000	34.004	33.98	0.989	0.988	90.589	90.6	0.222	
29	29 13C-1,2,3,6,7,8-HxCDF	1.01e6	0.51	NO	1.17	1.000	34.127	34.11	0.992	0.992	92.509	92.5	0.191	
30	30 13C-2,3,4,6,7,8-HxCDF	8.50e5	0.51	NO	1.02	1.000	34.702	34.70	1.009	1.009	89.276	89.3	0.219	
31	31 13C-1,2,3,7,8,9-HxCDF	7.33e5	0.50	NO	0.860	1.000	35.603	35.61	1.035	1.036	91.476	91.5	0.260	

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

Last Altered: Friday, May 29, 2020 7:44:05 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

	# 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	6.33e5	0.43	NO	0.774	1.000	37.353	37.39	1.086	1.087	87.682	87.7	0.235	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.07e5	0.42	NO	0.521	1.000	39.386	39.33	1.145	1.144	83.716	83.7	0.350	
34	34 13C-OCDF	1.14e6	0.88	NO	0.746	1.000	41.985	41.95	1.221	1.220	163.83	81.9	0.148	
35	35 37Cl-2,3,7,8-TCDD	1.28e5			1.04	1.000	26.615	26.57	1.028	1.026	10.416	104	0.0149	
36	36 13C-1,2,3,4-TCDD	1.19e6	0.81	NO	1.00	1.000	26.000	25.90	1.000	1.000	100.00	100	0.0967	
37	37 13C-1,2,3,4-TCDF	1.80e6	0.79	NO	1.00	1.000	24.360	24.22	1.000	1.000	100.00	100	0.123	
38	38 13C-1,2,3,4,6,9-HxCDF	9.32e5	0.51	NO	1.00	1.000	34.420	34.39	1.000	1.000	100.00	100	0.223	

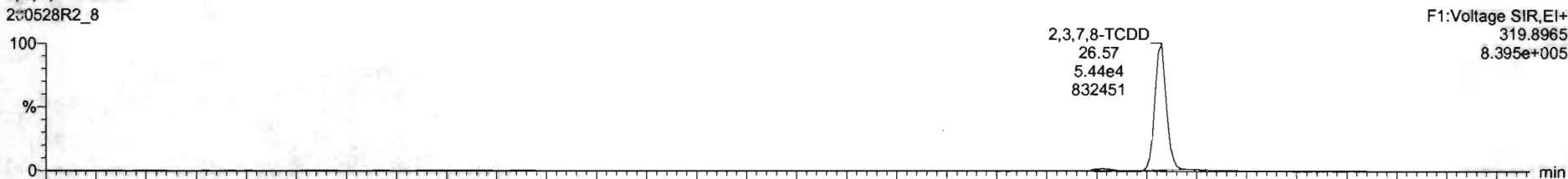
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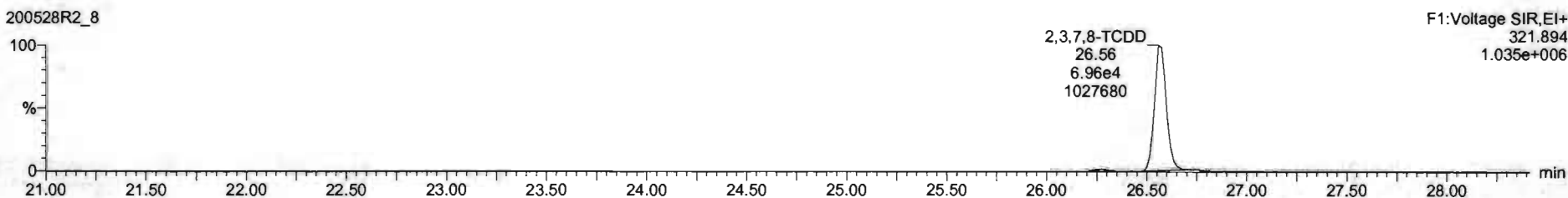
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

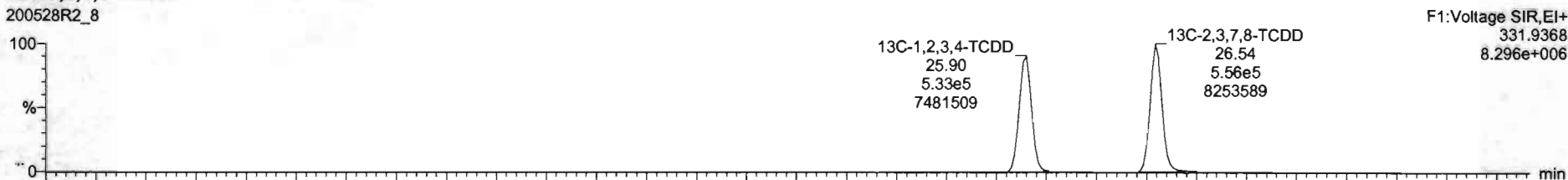
2,3,7,8-TCDD
200528R2_8



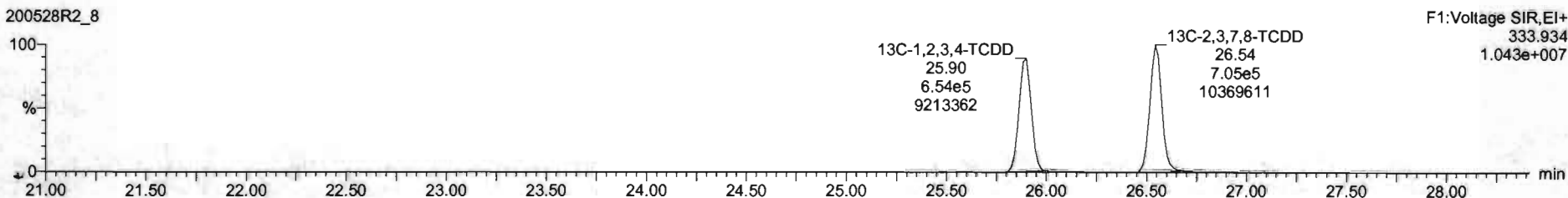
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13C-2,3,7,8-TCDD
200528R2_8



200528R2_8



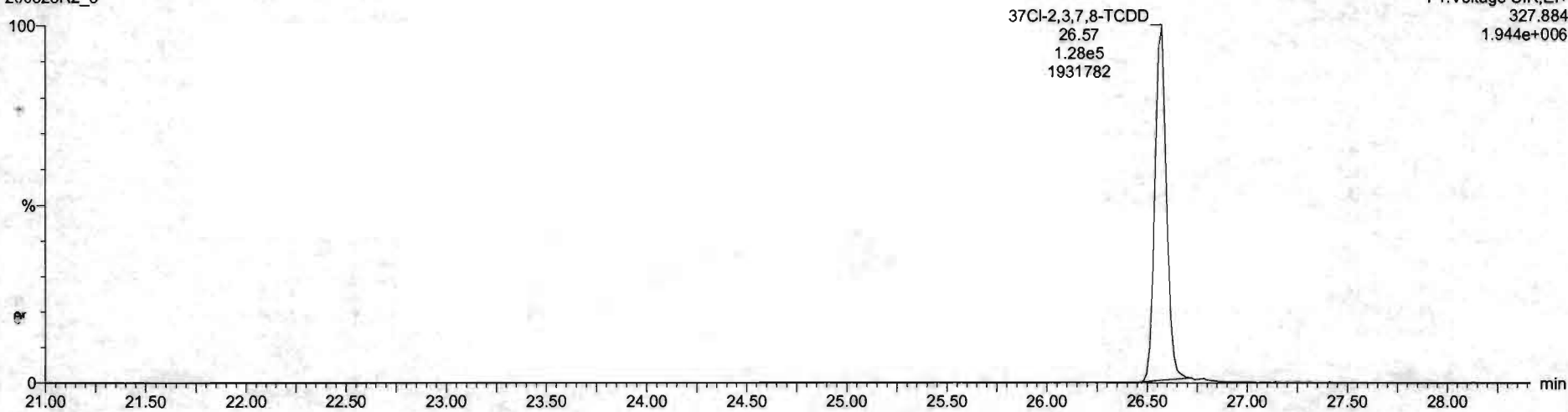
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

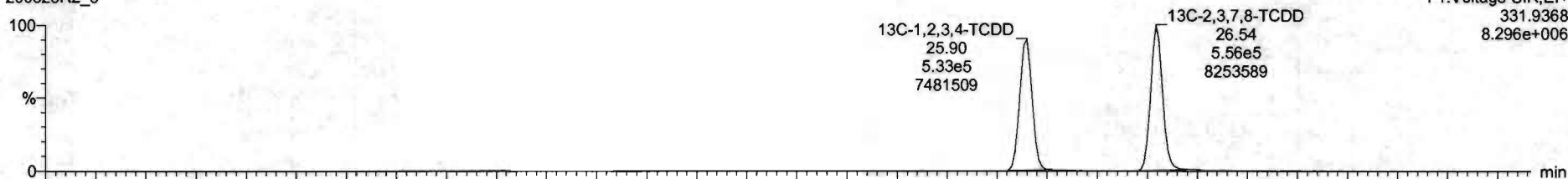
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200528R2_8

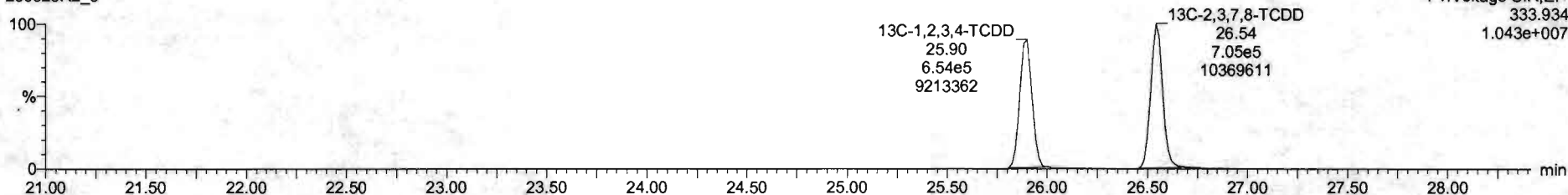


13C-1,2,3,4-TCDD

200528R2_8



200528R2_8



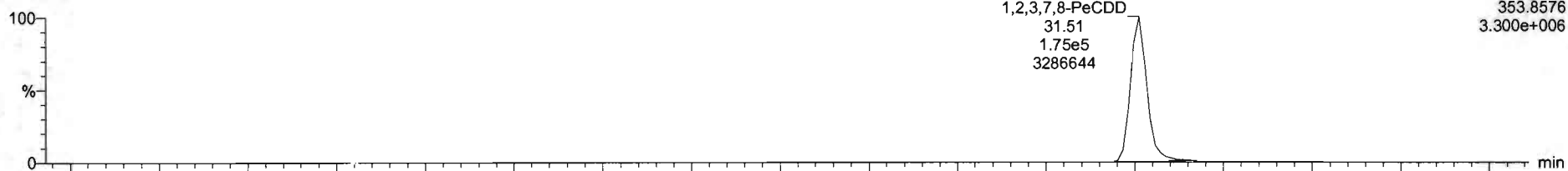
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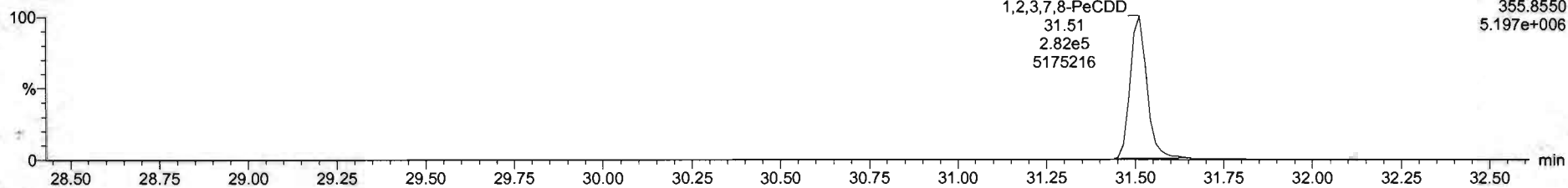
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1,2,3,7,8-PeCDD

200528R2_8

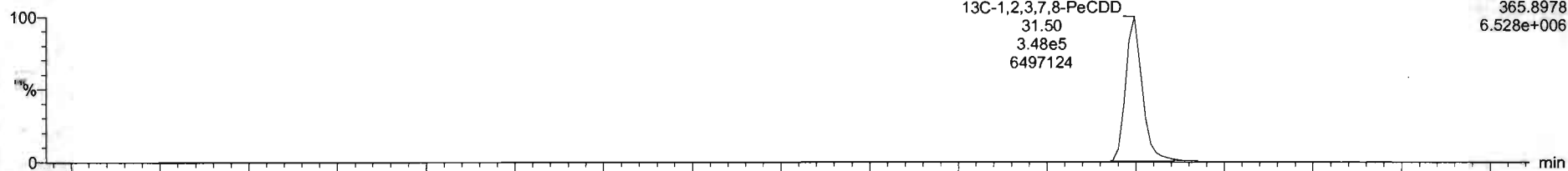


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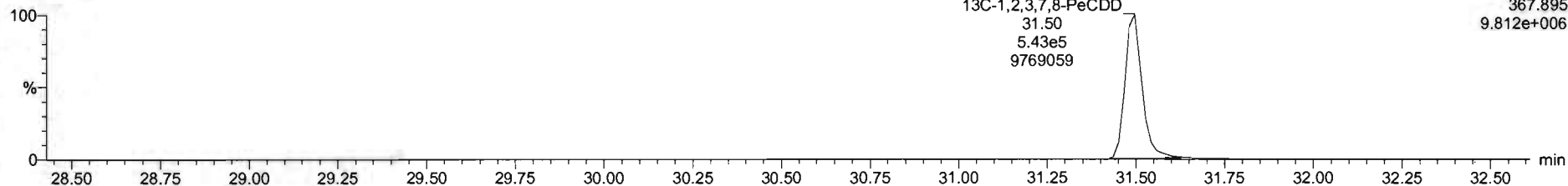


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200528R2_8



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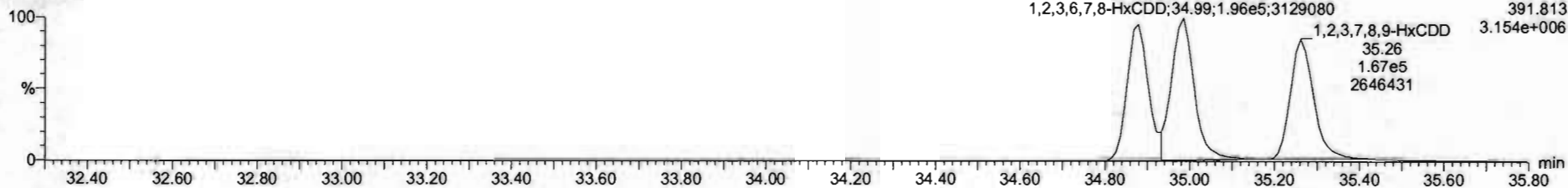
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1,2,3,4,7,8-HxCDD

200528R2_8

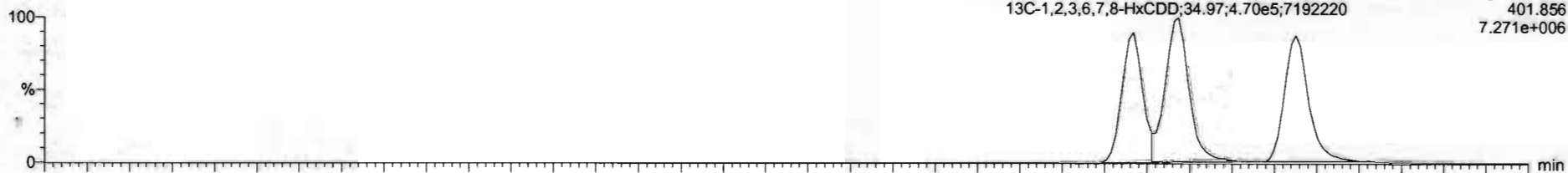


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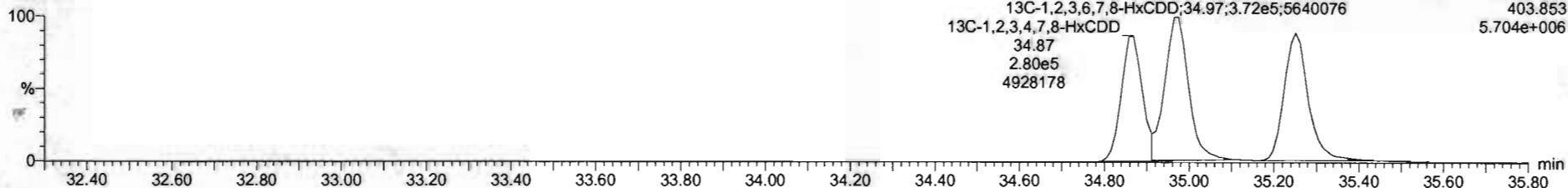


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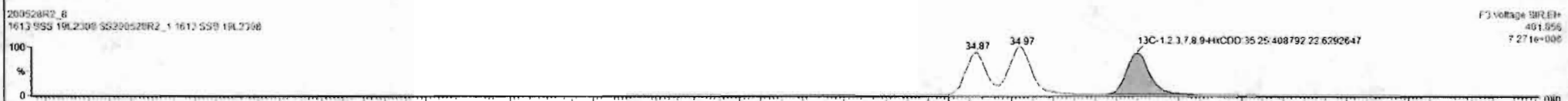
200528R2_8



200528R2_8



#	Name	Resp	RA	nby	RRF	wthvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.6883	1.000	26.57	1.001	11.1	111	0.0252	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	56.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.86	1.000	56.0	116	0.101	56.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.72	NO	0.8923	1.000	34.99	1.000	58.0	116	0.105	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.6969	1.000	35.26	1.009	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.57e5	1.02	NO	0.8639	1.000	36.50	1.000	55.6	112	0.160	55.6
7	OCDD	5.24e5	0.85	NO	0.9136	1.000	41.78	1.001	113	113	0.171	113
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0333	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	113	0.0942	55.7
10	2,3,4,7,8-PeCDF	7.62e5	1.54	NO	0.9348	1.000	21.21	1.000	62.1	124	0.0853	62.1
11	1,2,3,4,7,8-HxCDF	4.38e5	1.19	NO	0.8845	1.000	23.99	1.000	58.9	115	0.114	58.9
12	1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8892	1.000	34.12	1.000	59.1	116	0.108	59.1
13	2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14	1,2,3,7,8,9-HxCDF	3.52e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,5,7,8-HpCDF	3.16e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	115	0.186	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.190	59.2
17	OCDF	5.22e5	0.97	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1583	1.000	26.54	1.025	91.9	91.9	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7750	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.28	NO	1.0187	1.000	34.97	1.017	88.7	88.7	0.138	



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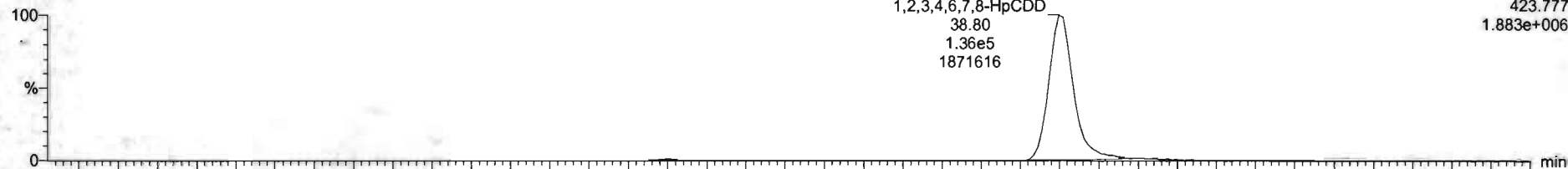
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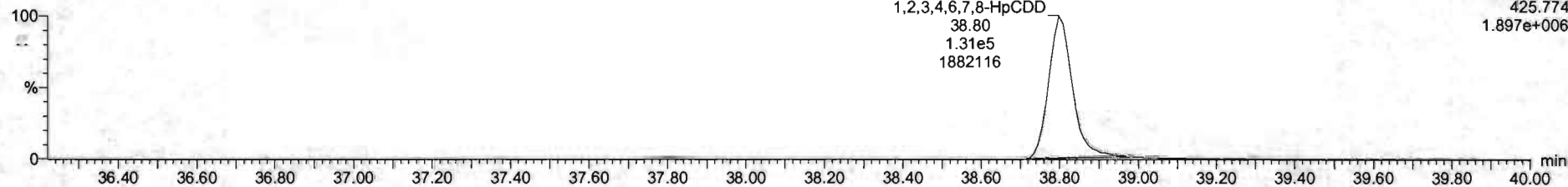
1,2,3,4,6,7,8-HpCDD

200528R2_8



F4: Voltage SIR, EI+
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1.883e+006

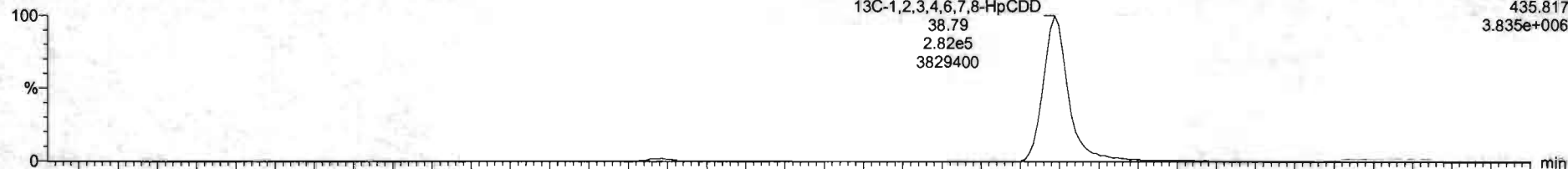
200528R2_8



F4: Voltage SIR, EI+
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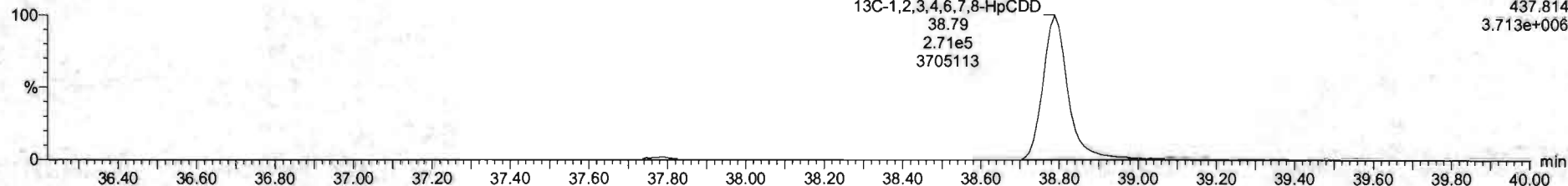
13C-1,2,3,4,6,7,8-HpCDD

200528R2_8



F4: Voltage SIR, EI+
435.817
3.835e+006

200528R2_8



F4: Voltage SIR, EI+
437.814
3.713e+006

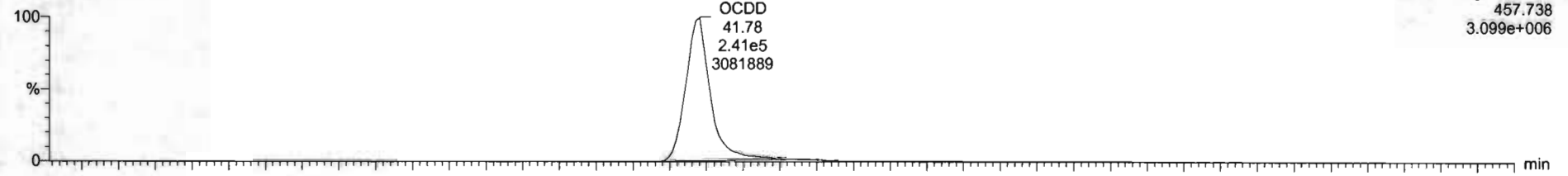
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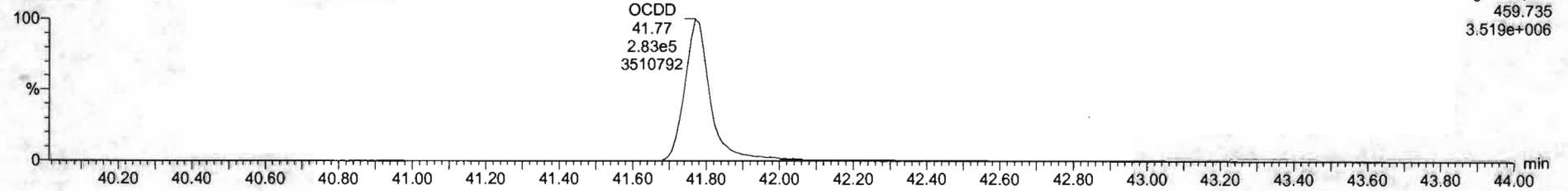
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OCDD

200528R2_8

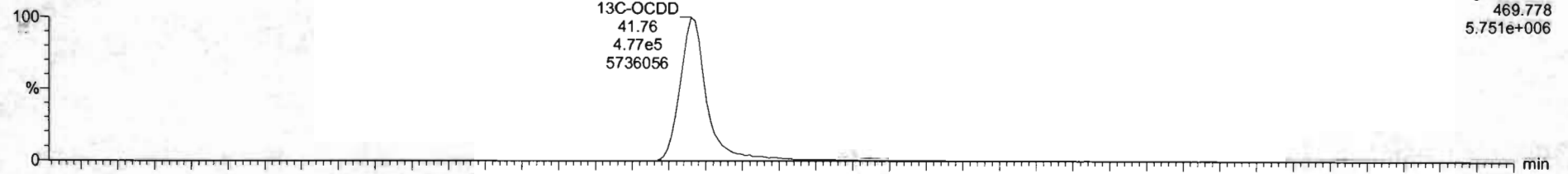


200528R2_8

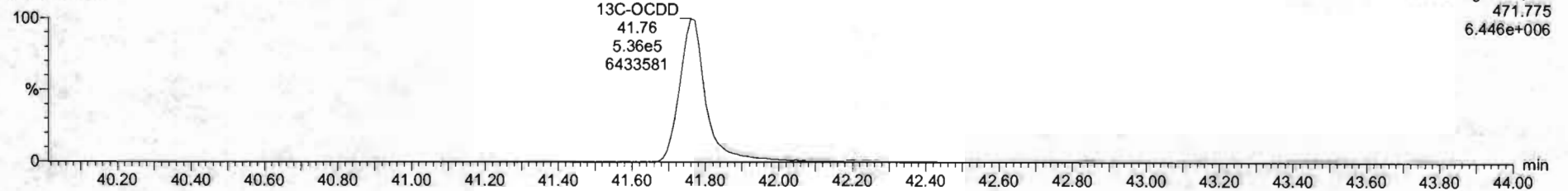


13C-OCDD

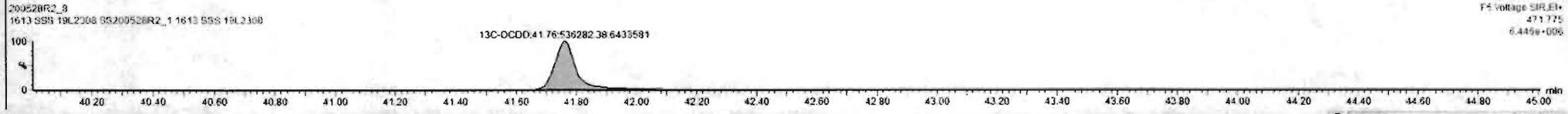
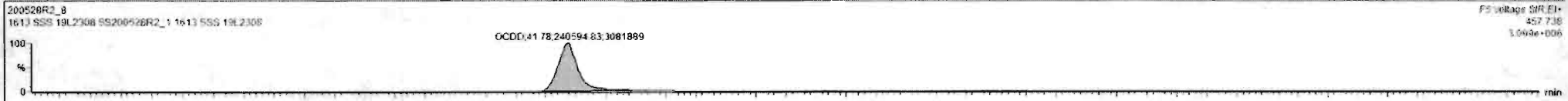
200528R2_8



200528R2_8



Name	Resp	RA	dy	RRF	wtVol	RT	RRT	Conc	%Rec	OL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0252	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	56.1
3 1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.88	1.000	56.0	116	0.101	58.0
4 1,2,3,6,7,8-HxCDD	4.38e5	1.22	NO	0.8923	1.000	34.99	1.000	58.0	116	0.105	56.6
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	36.60	1.000	55.6	112	0.168	58.6
7 OCDD	5.15e5	0.88	NO	0.9138	1.000	41.78	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.46e5	0.75	NO	0.7510	1.000	25.88	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.77e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0642	55.7
10 2,3,4,7,8-PeCDF	7.62e5	1.54	NO	0.9348	1.000	31.21	1.000	62.1	124	0.0853	62.1
11 1,2,3,4,7,8-HxCDF	4.38e5	1.19	NO	0.8545	1.000	33.99	1.000	58.9	115	0.114	58.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8852	1.000	34.12	1.000	59.1	115	0.100	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.21	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	119	0.193	59.2
17 OCDF	5.22e5	0.87	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0627	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	86.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.136	



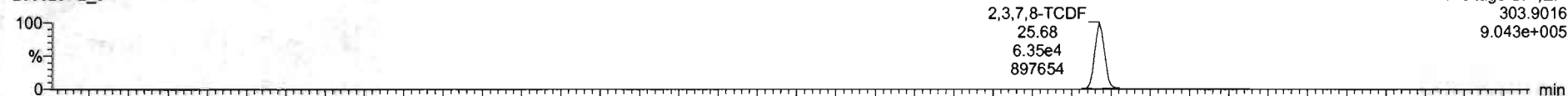
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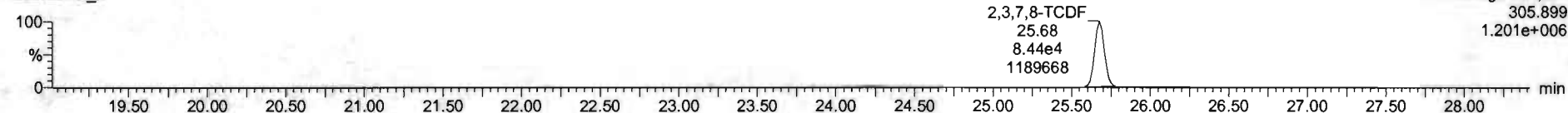
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2,3,7,8-TCDF

200528R2_8

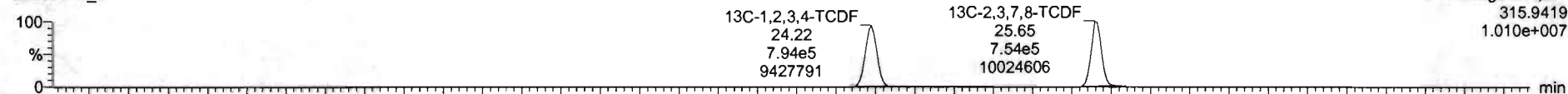


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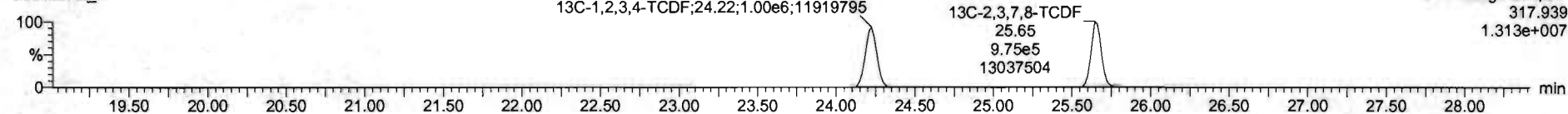


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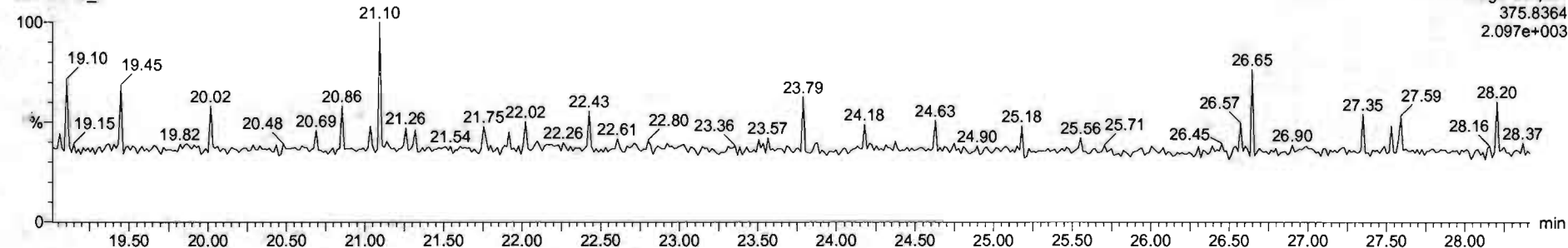


200528R2_8



DPE1

200528R2_8



Dataset: Untitled

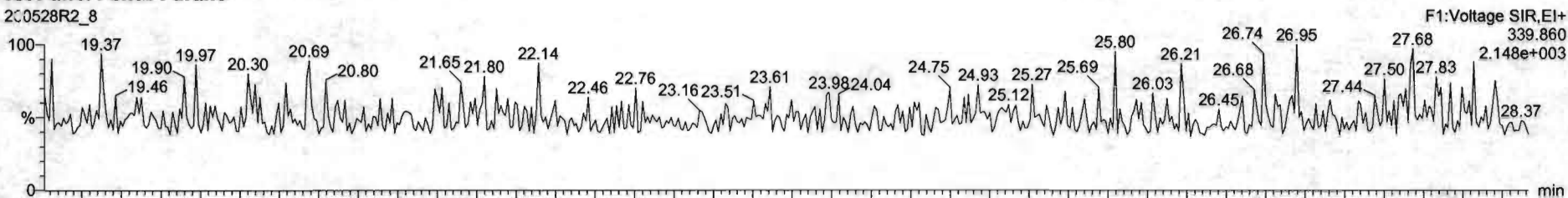
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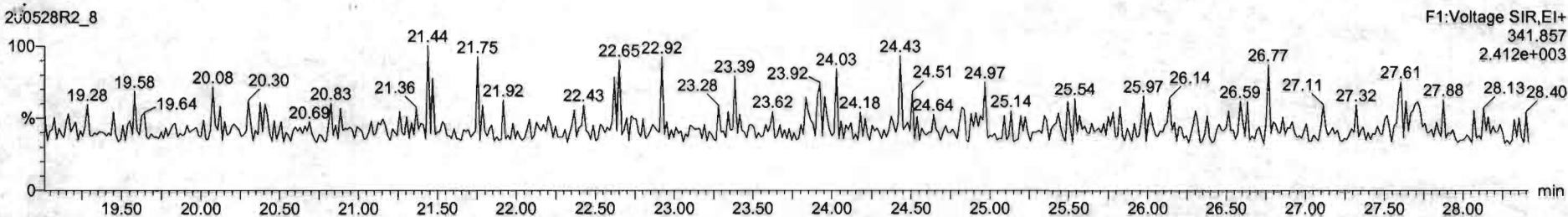
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200528R2_8

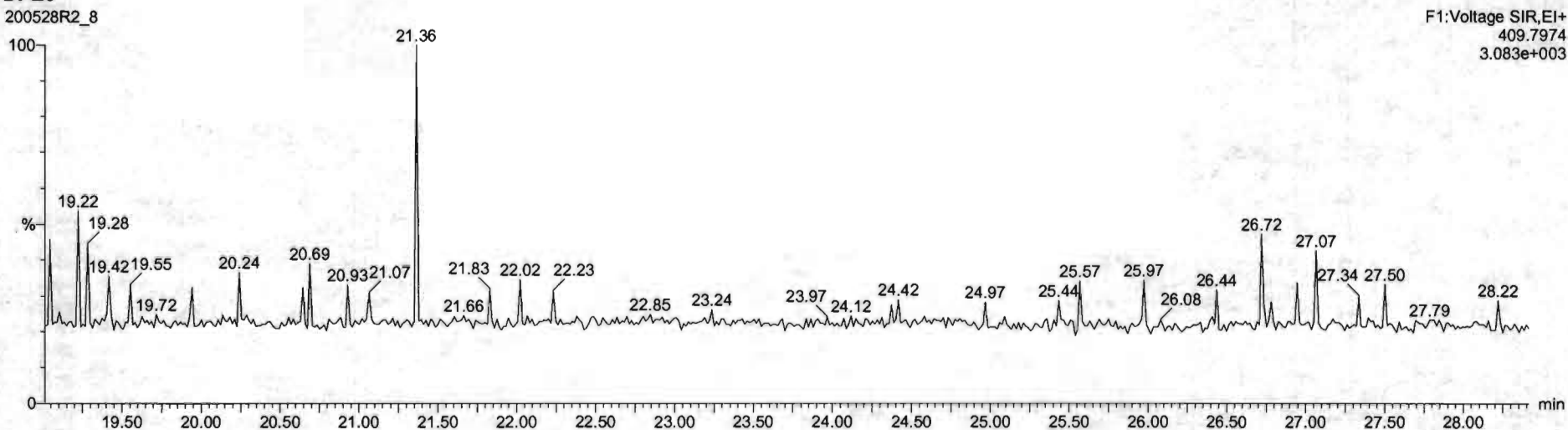


200528R2_8



DPE6

200528R2_8



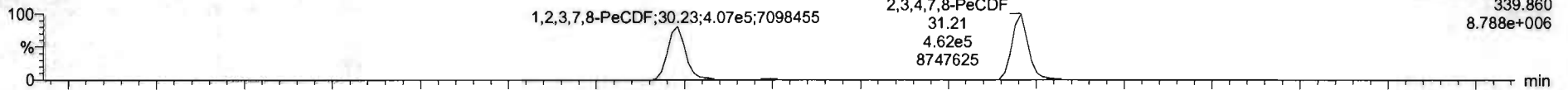
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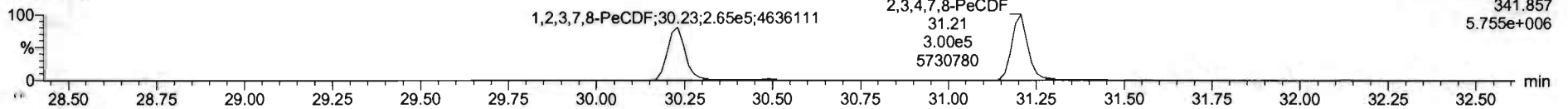
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1,2,3,7,8-PeCDF

200528R2_8

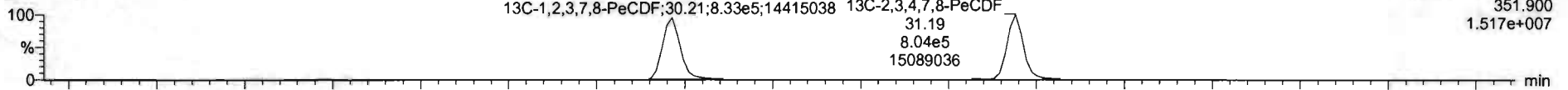


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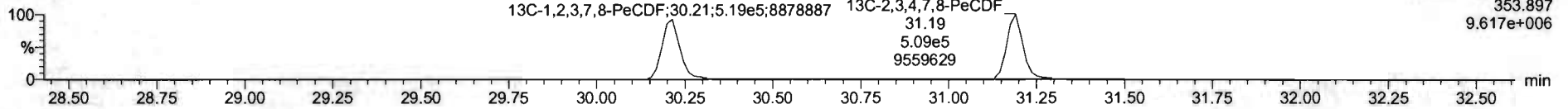


13C-1,2,3,7,8-PeCDF

200528R2_8

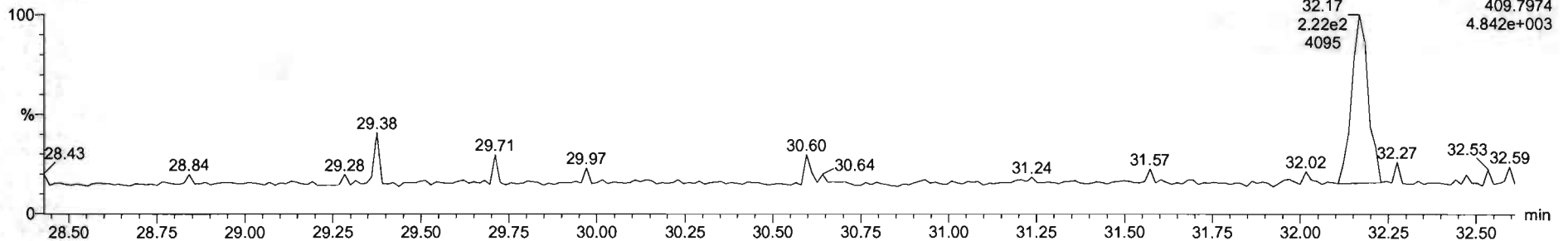


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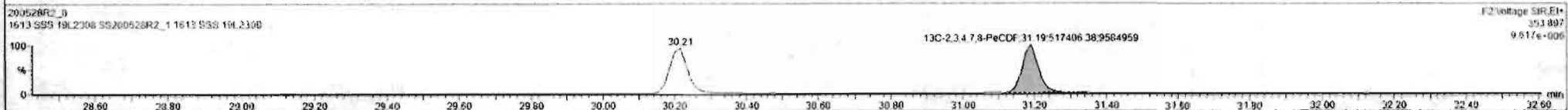


DPE2

200528R2_8



KL	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	56.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.85	1.000	56.0	116	0.101	56.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8925	1.000	34.99	1.000	58.0	116	0.105	56.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8264	1.000	35.05	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.87e5	1.02	NO	0.8639	1.000	36.80	1.000	55.8	112	0.168	55.8
7	OCDD	5.15e5	0.38	NO	0.9136	1.000	41.75	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0323	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	20.23	1.001	55.7	111	0.0942	55.7
10	2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.9348	1.000	31.21	1.000	60.2	120	0.0851	60.2
11	1,2,3,4,7,8-HxCDF	4.36e5	1.19	NO	0.8845	1.000	23.99	1.000	58.9	118	0.114	56.9
12	1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8852	1.000	34.12	1.000	59.1	118	0.108	59.1
13	2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17	OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.128	



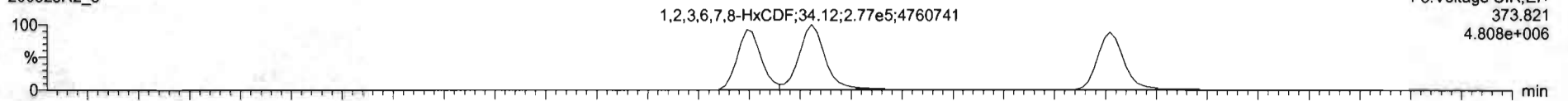
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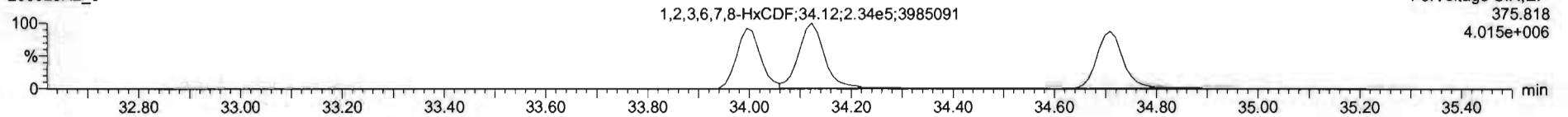
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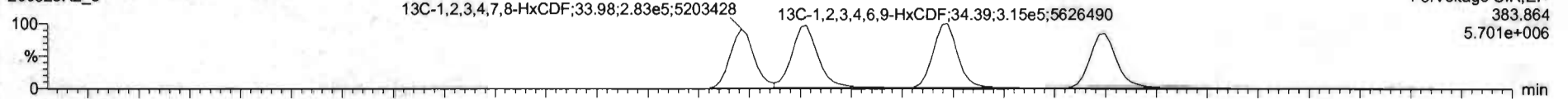


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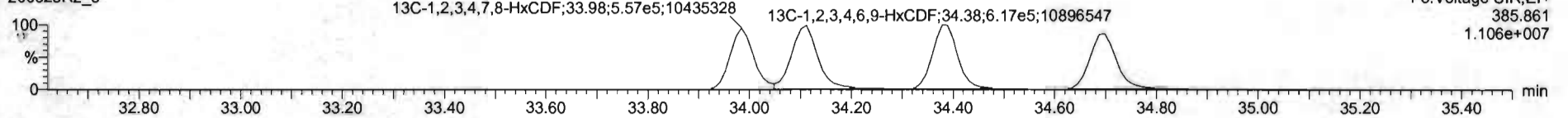


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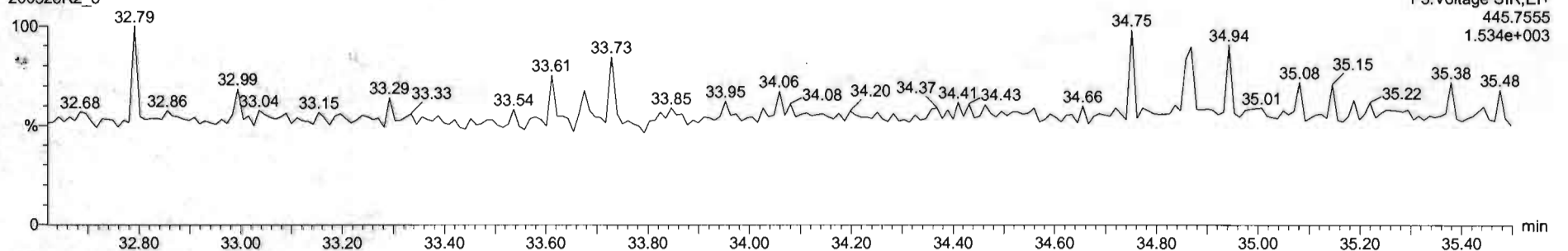


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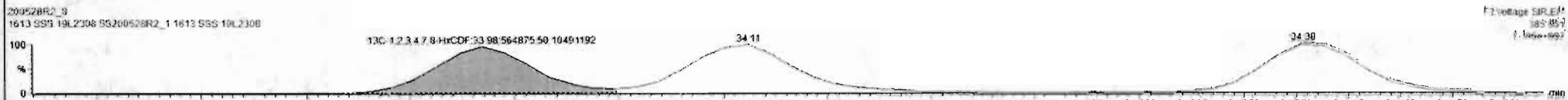
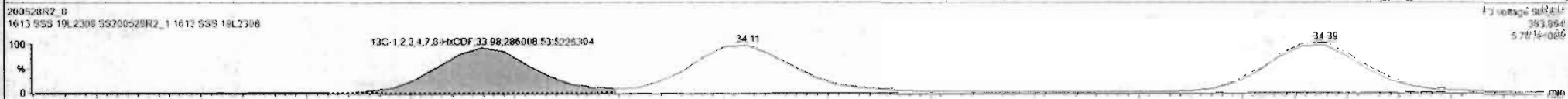
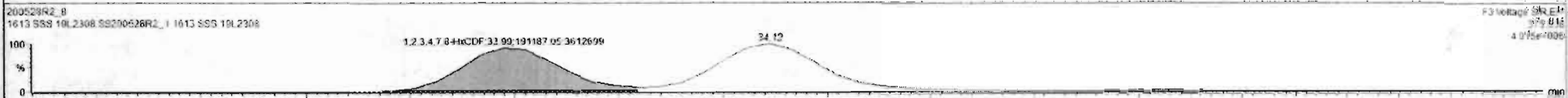
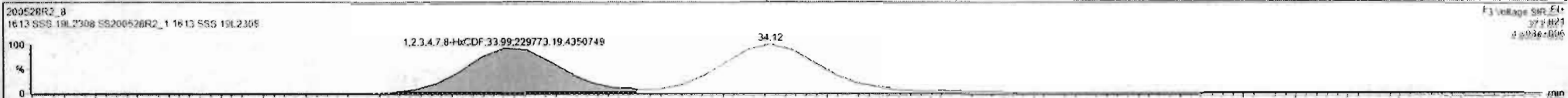


DPE3

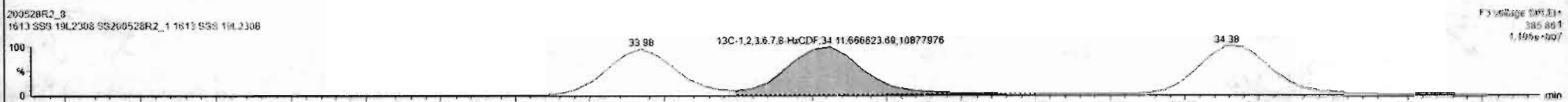
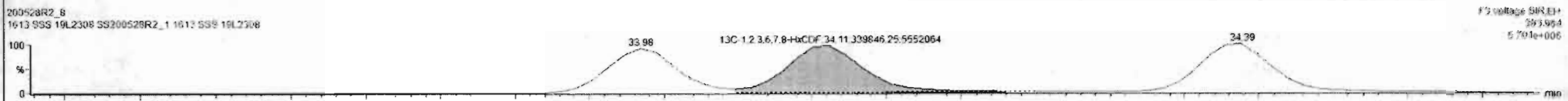
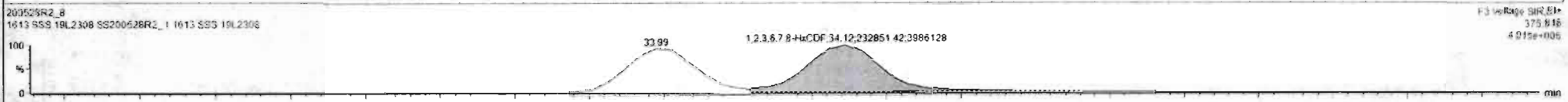
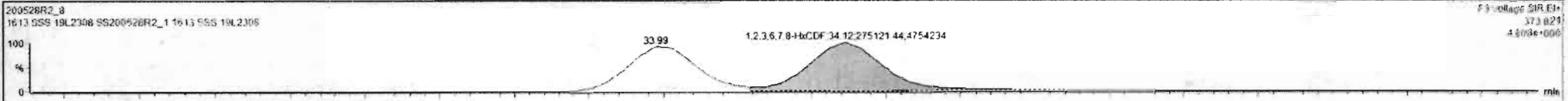
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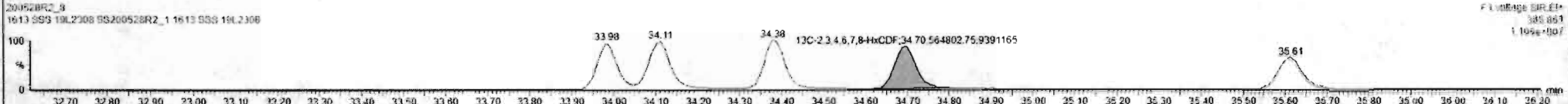
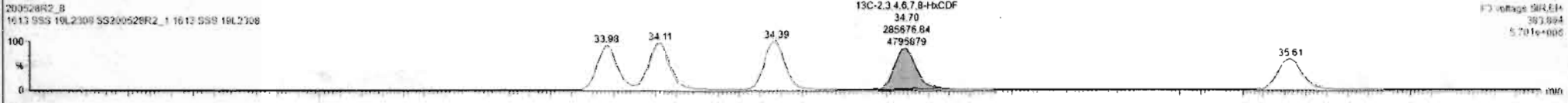
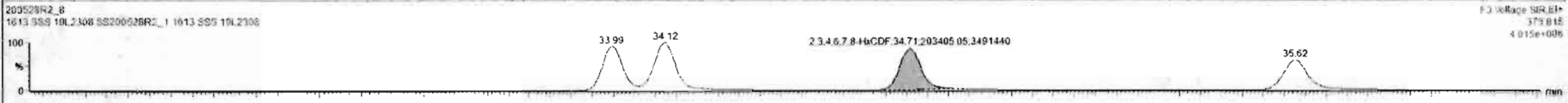
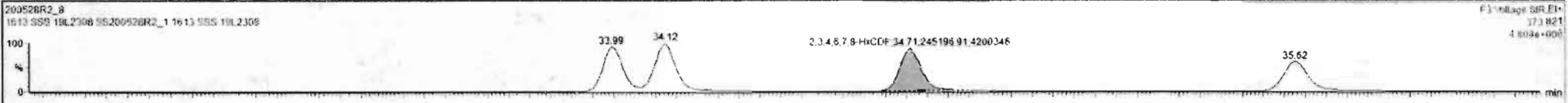
Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.8981	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.26e5	1.22	NO	1.0334	1.000	24.86	1.000	56.0	116	0.1011	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8929	1.000	24.99	1.000	58.0	116	0.105	56.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8869	1.000	25.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	25.50	1.000	55.6	112	0.168	55.6
7 OCDD	5.15e5	0.68	NO	0.9136	1.000	41.75	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7519	1.000	25.65	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0942	55.7
10 1,2,3,4,7,8-HxCDF	7.50e5	1.54	NO	0.9346	1.000	21.21	1.000	60.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	23.99	1.000	55.9	112	0.113	55.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8882	1.000	24.12	1.000	59.1	118	0.100	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	24.71	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	25.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,5,7,8-HpCDF	3.16e5	1.01	NO	0.8734	1.000	27.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0120	1.000	39.34	1.000	59.2	118	0.199	59.2
17 OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1562	1.000	26.54	1.025	91.9	91.9	0.0837	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	86.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	85.6	88.6	0.160	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.36	NO	1.0187	1.000	24.97	1.017	88.7	88.7	0.138	



Name	Reap	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.67	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.53	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.0334	1.000	34.86	1.000	56.0	116	0.101	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8973	1.000	34.99	1.000	58.0	116	0.105	58.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8969	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,5,7,8-HpCDD	2.67e5	1.02	NO	0.8639	1.000	36.60	1.000	55.6	112	0.168	56.6
7 OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0542	55.7
10 1,2,3,7,8,9-HxCDF	7.50e5	1.54	NO	0.9348	1.000	21.21	1.000	60.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.6845	1.000	23.99	1.000	55.9	112	0.113	55.9
12 1,2,3,6,7,8-HxCDF	5.06e5	1.18	NO	0.6892	1.000	34.12	1.000	56.3	114	0.127	56.3
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,5,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.76e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.5	0.0837	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	86.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.136	



SI	Name	Resp	RA	Adj	RFI	WVol	RT	RRT	Conc	%Rec	DL	EMFC
1	2,3,7,8-TCDD	1.24e5	0.78	NO	0.8883	1.000	28.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	3.66e5	1.22	NO	1.0314	1.000	34.88	1.000	56.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	34.99	1.000	58.0	116	0.100	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8869	1.000	35.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.67e5	1.93	NO	0.8039	1.000	38.80	1.000	55.8	112	0.160	55.8
7	OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.66	1.001	11.4	114	0.0333	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0942	55.7
10	1,2,3,4,7,8-HxCDF	7.50e5	1.54	NO	0.9148	1.000	31.21	1.000	60.2	120	0.0851	60.2
11	1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	33.99	1.000	55.9	112	0.113	55.9
12	1,2,3,6,7,8-HxCDF	5.06e5	1.16	NO	0.8852	1.000	34.12	1.000	56.8	114	0.107	56.8
13	2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.9341	1.000	34.71	1.000	56.5	113	0.117	56.5
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8797	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.196	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17	OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.75	NO	1.1583	1.000	28.54	1.025	91.9	91.9	0.0637	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.84	NO	0.8490	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0187	1.000	34.97	1.017	88.7	88.7	0.136	

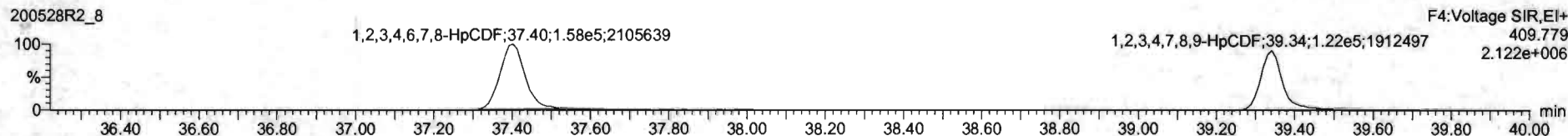
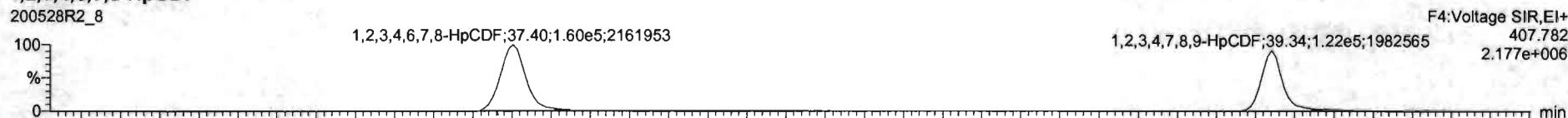


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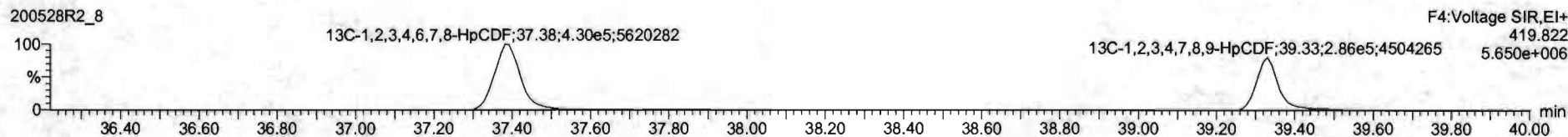
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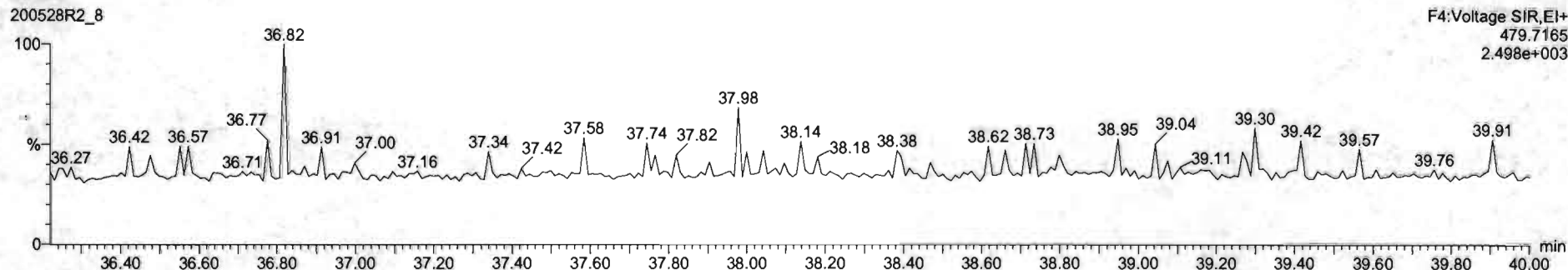
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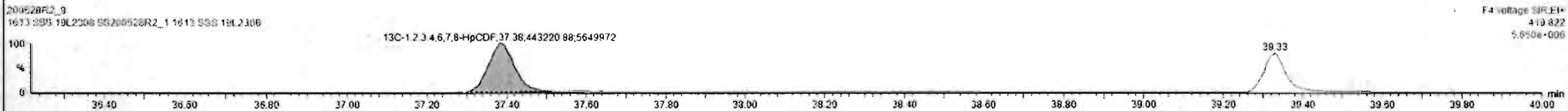
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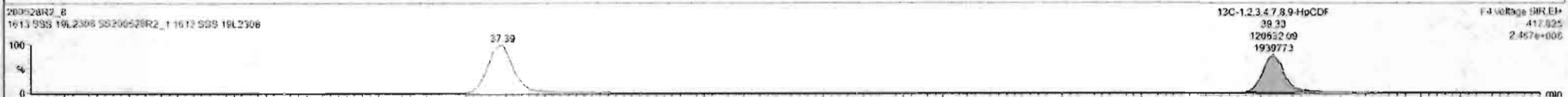
DPE4



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0252	11.1
2 1,2,3,7,8-PeCDD	5.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	58.4
3 1,2,3,4,7,8-HxCDD	3.56e5	1.22	NO	1.0334	1.000	34.88	1.000	56.0	116	0.101	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8523	1.000	34.99	1.000	58.0	118	0.105	58.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	36.80	1.000	55.8	112	0.168	55.8
7 OCDD	5.15e5	0.88	NO	0.9136	1.000	41.75	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0533	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8025	1.000	30.21	1.001	25.7	111	0.0542	55.7
10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.9348	1.000	31.21	1.000	50.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	33.95	1.000	55.9	112	0.113	55.9
12 1,2,3,6,7,8-HxCDF	5.08e5	1.18	NO	0.8852	1.000	34.12	1.000	56.8	114	0.107	56.8
13 2,3,4,6,7,8-HxCDF	4.45e5	1.21	NO	0.9341	1.000	34.71	1.000	56.5	113	0.117	56.5
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.8734	1.000	37.48	1.000	54.5	108	0.152	54.5
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.09	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.27e5	0.87	NO	0.8055	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e8	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0637	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	66.5	68.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.0167	1.000	34.97	1.017	86.7	86.7	0.138	



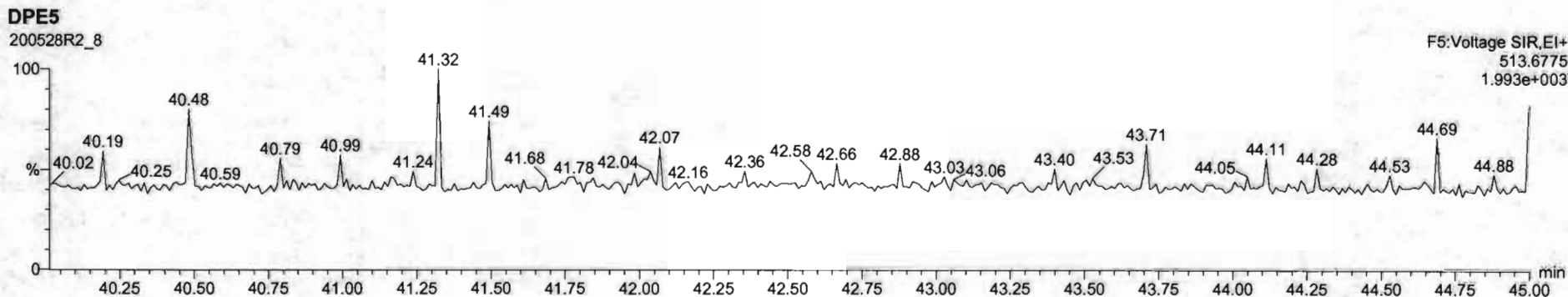
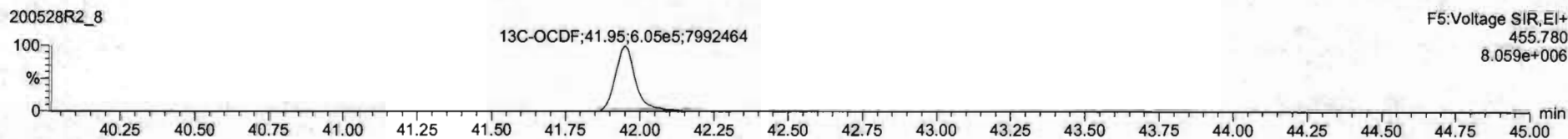
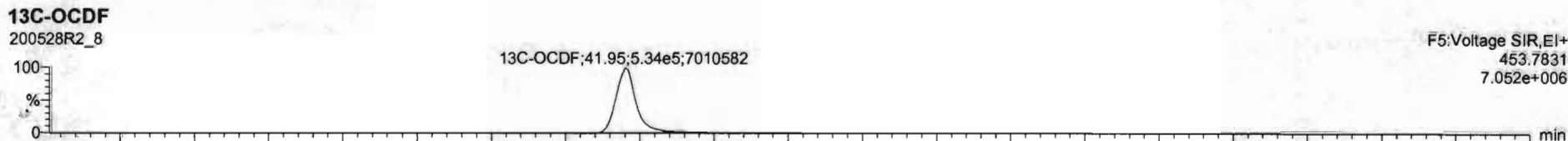
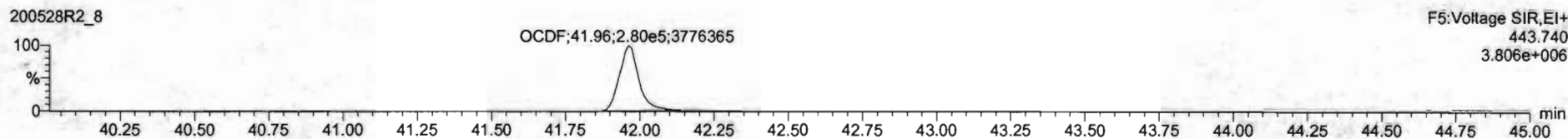
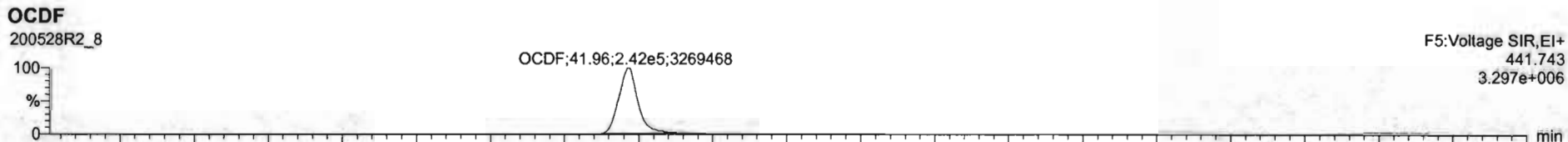
SL	Name	Resp	RA	nry	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.82	NO	0.9081	1.000	31.01	1.000	58.4	113	0.0622	56.1
3	1,2,3,4,7,8-HxCDD	2.56e5	1.22	NO	1.0334	1.000	24.86	1.000	58.0	116	0.101	56.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	24.99	1.000	58.0	116	0.105	56.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	26.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.61e5	1.03	NO	0.8639	1.000	26.60	1.000	56.6	112	0.168	56.6
7	OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0303	11.4
9	1,2,3,7,8-PeCDF	4.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0642	55.7
10	2,3,4,7,8-PeCDF	7.58e5	1.54	NO	0.9346	1.000	31.21	1.000	50.2	126	0.0851	60.2
11	1,2,2',4',7,8-HxCDF	4.21e5	1.20	NO	0.8545	1.000	33.99	1.000	55.9	112	0.113	55.9
12	1,2,3,6,7,8-HxCDF	2.08e5	1.18	NO	0.8892	1.000	34.12	1.000	58.8	114	0.107	56.8
13	2,3,4,6,7,8-HxCDF	4.48e5	1.21	NO	0.9341	1.000	24.71	1.000	58.5	113	0.117	56.5
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	25.82	1.000	55.3	111	0.174	55.3
15	1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.8734	1.000	37.40	1.000	54.5	109	0.182	54.5
16	1,2,3,4,7,8,9-HpCDF	2.35e5	1.00	NO	1.0128	1.000	39.24	1.000	57.3	115	0.198	57.3
17	OCDF	5.27e5	0.67	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	86.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	88.6	88.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	24.97	1.017	88.7	88.7	0.138	



Dataset: Untitled

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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

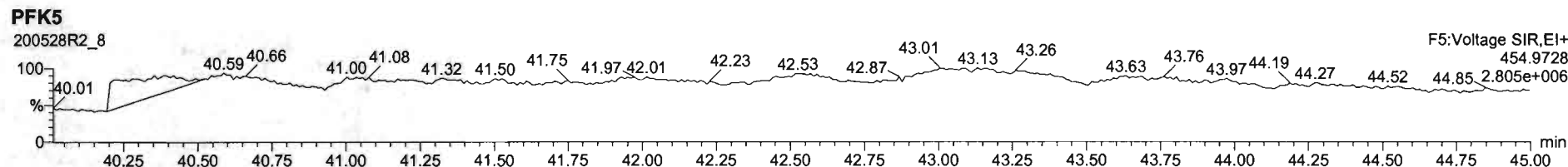
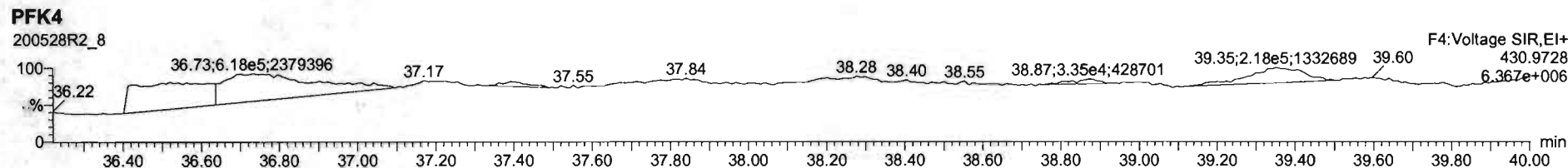
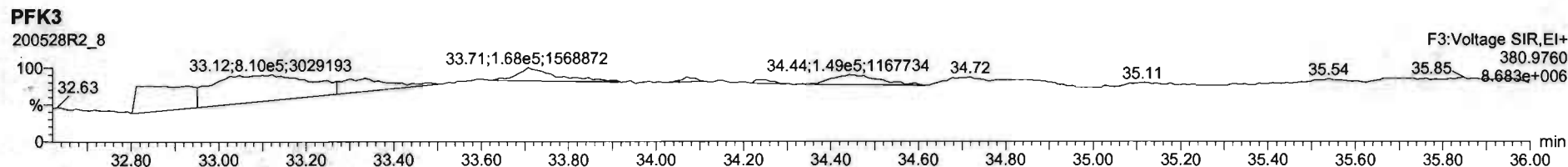
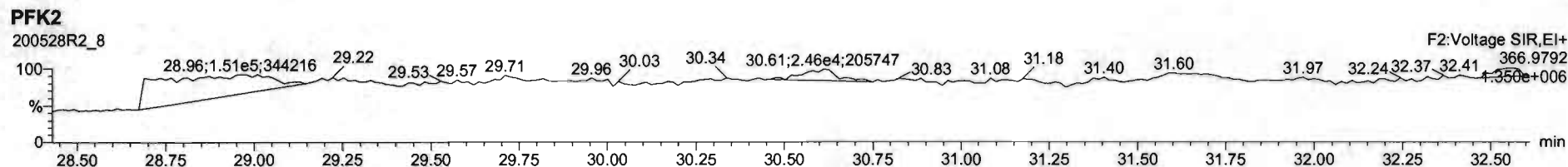
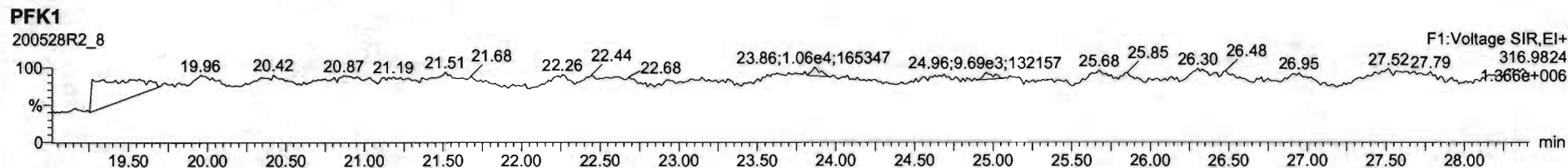
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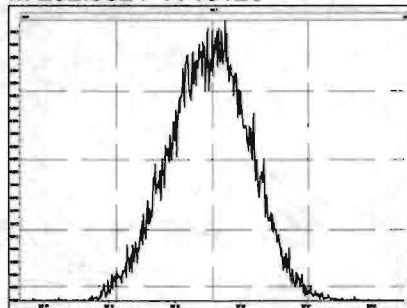
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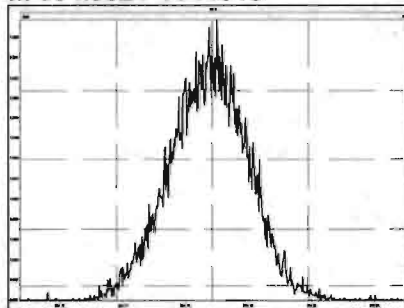
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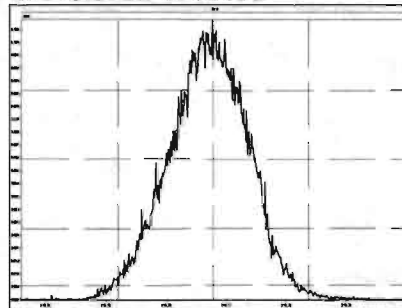
M 292.9824 R 10120



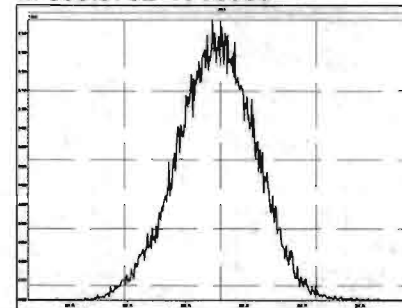
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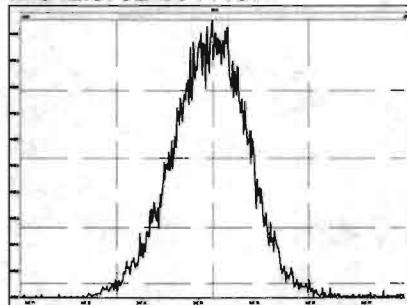
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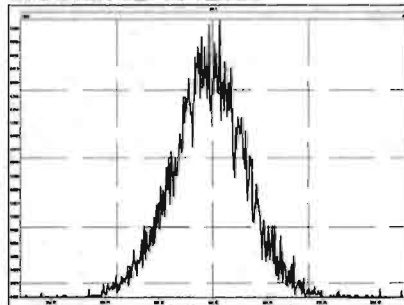
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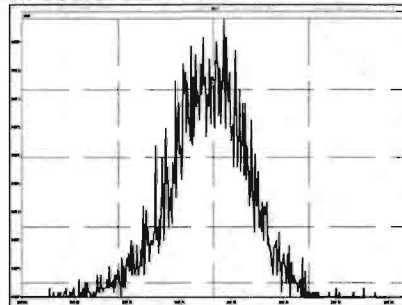
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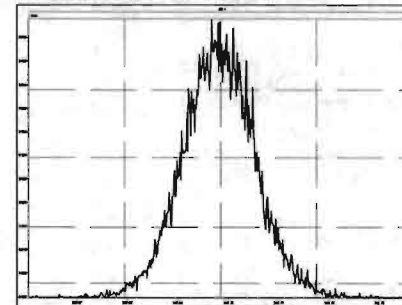
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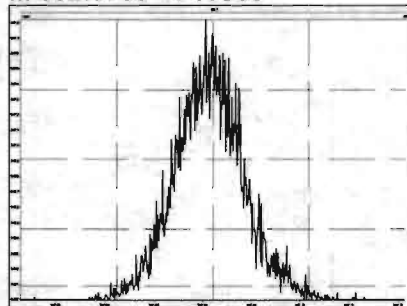
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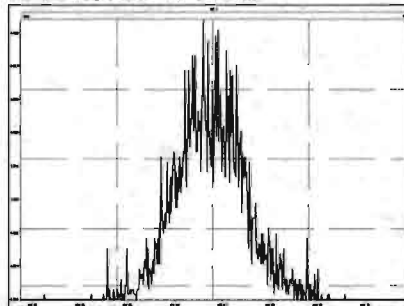
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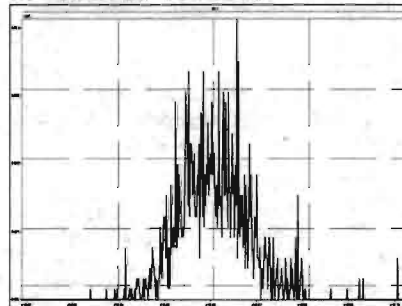
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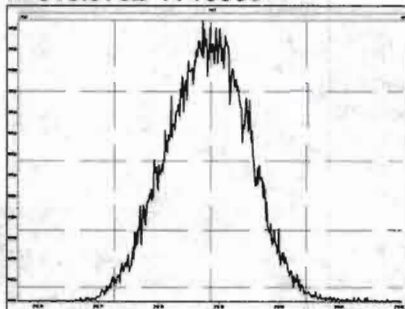
Experiment Calibration Report

MassLynx 4.1 SCN815

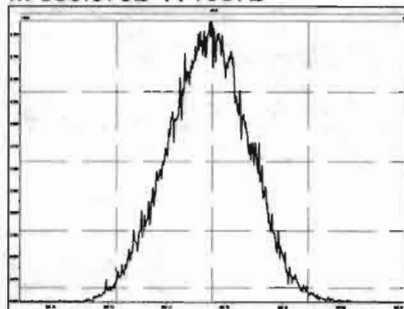
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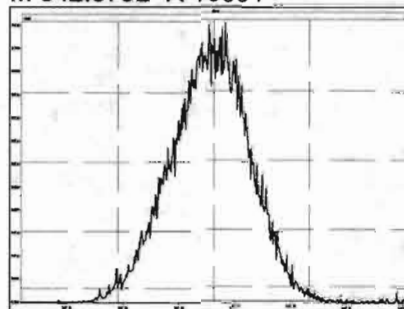
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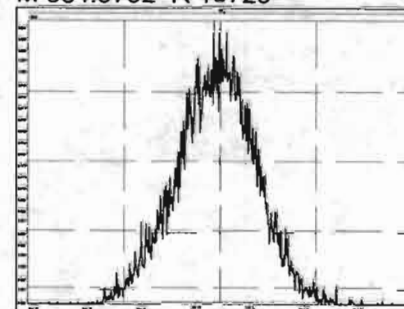
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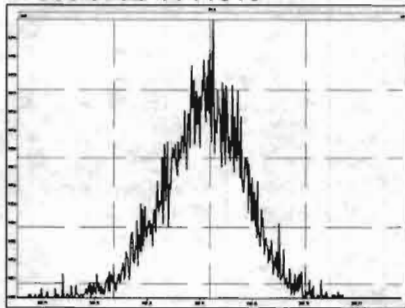
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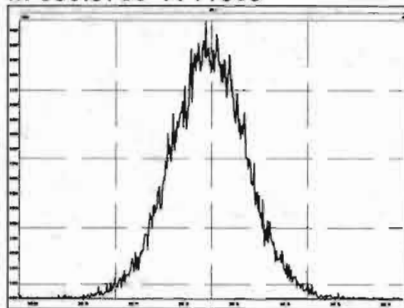
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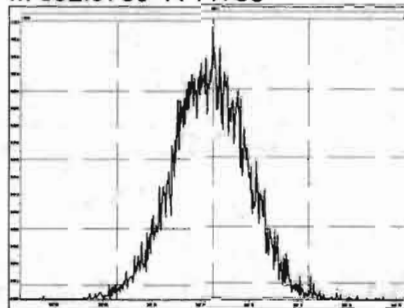
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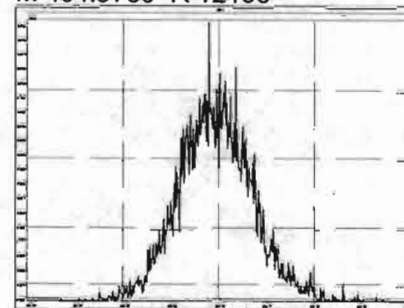
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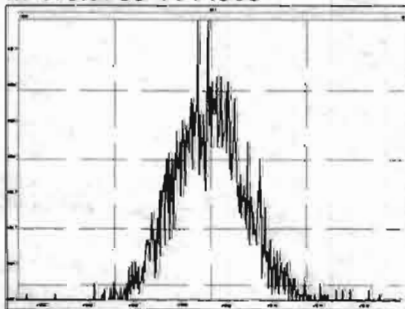
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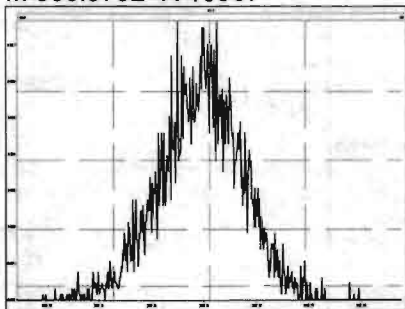
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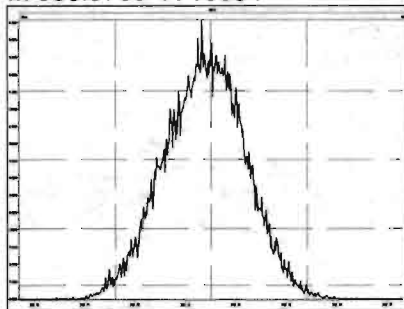
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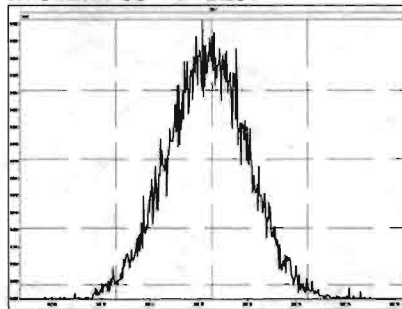
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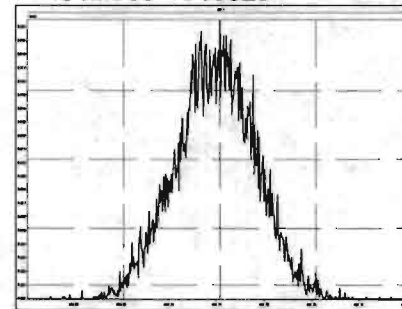
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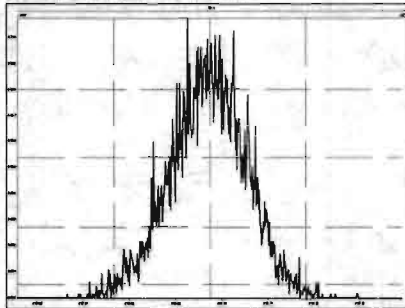
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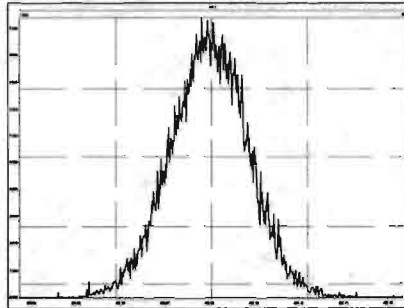
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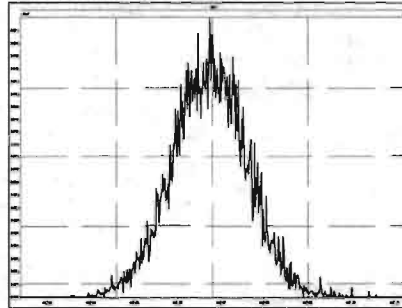
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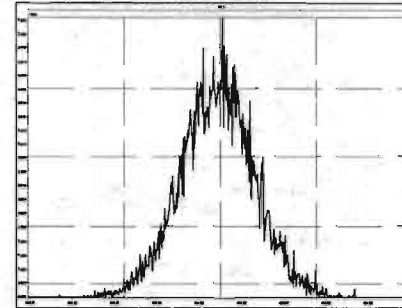
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M 442.9728 R 12195



M 454.9728 R 10963



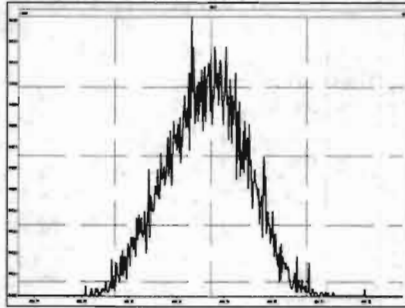
Experiment Calibration Report

MassLynx 4.1 SCN815

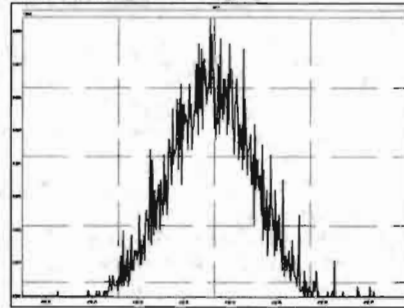
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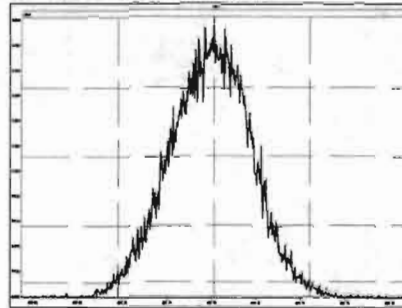
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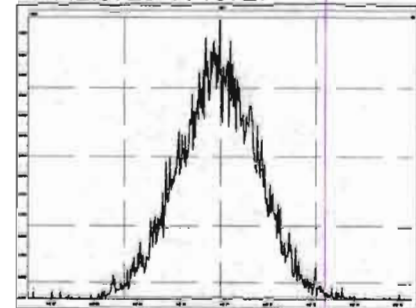
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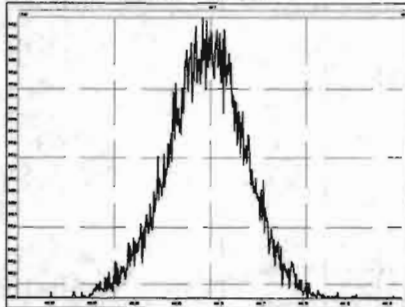
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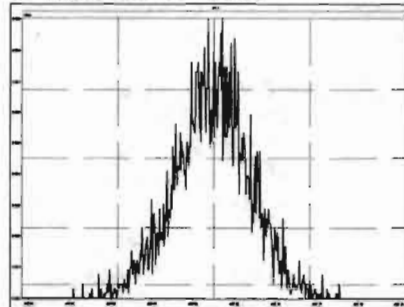
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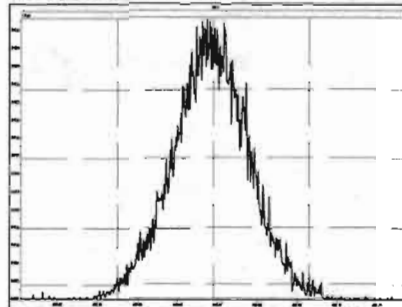
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M 466.9728 R 12628



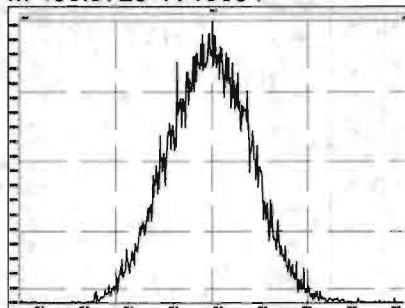
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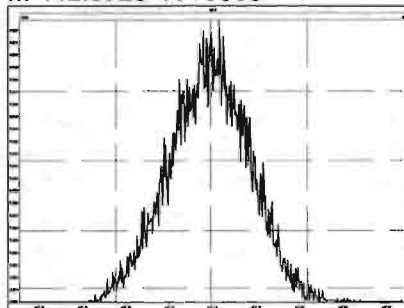
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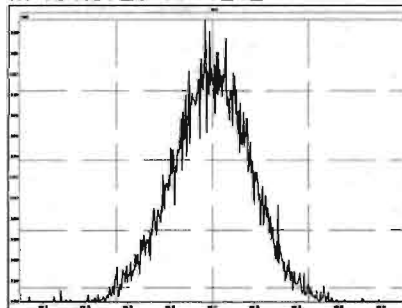
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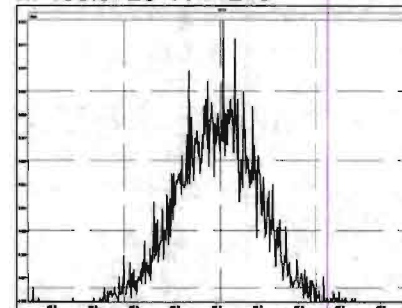
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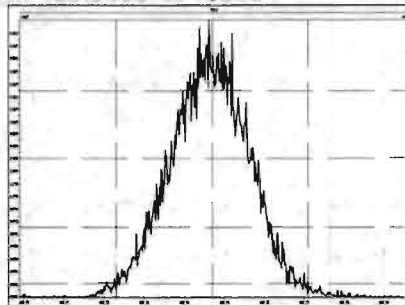
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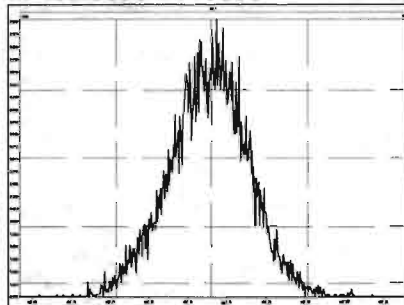
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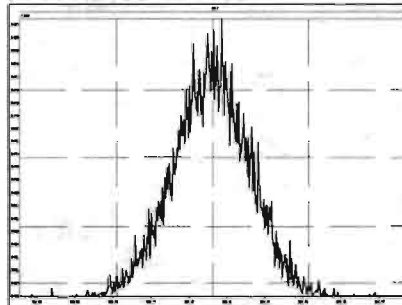
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M 492.9696 R 10593



M 504.9696 R 11681



M 516.9697 R 11905

