



June 09, 2020

Vista Work Order No. 2000999

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 01, 2020 under your Project Name 'Gasco PDI'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2000999

Case Narrative

Sample Condition on Receipt:

Eleven 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 in the Method Blank. The OPR recoveries were within the method acceptance criteria.

As requested, a duplicate was performed on sample "PDI-065SC-B-02-05-200429". The RPDs were out of the acceptance criteria for 1,2,3,4,6,7,8-HpCDD and 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
2000999-01	PDI-065SC-A-02-03-200429	29-Apr-20 13:27	01-May-20 09:04	Amber Glass, 120 mL
2000999-02	PDI-065SC-A-03-04-200429	29-Apr-20 13:27	01-May-20 09:04	Amber Glass, 120 mL
2000999-03	PDI-065SC-A-04-05-200429	29-Apr-20 13:27	01-May-20 09:04	Amber Glass, 120 mL
2000999-04	PDI-065SC-A-05-06-200429	29-Apr-20 13:27	01-May-20 09:04	Amber Glass, 120 mL
2000999-05	PDI-065SC-A-06-07-200429	29-Apr-20 13:27	01-May-20 09:04	Amber Glass, 120 mL
2000999-06	PDI-065SC-A-07-08-200429	29-Apr-20 13:27	01-May-20 09:04	Amber Glass, 120 mL
2000999-07	PDI-065SC-A-08-09-200429	29-Apr-20 13:27	01-May-20 09:04	Amber Glass, 120 mL
2000999-08	PDI-065SC-B-00-02-200429	29-Apr-20 12:55	01-May-20 09:04	Amber Glass, 120 mL
2000999-09	PDI-065SC-B-02-05-200429	DUP29-Apr-20 12:55	01-May-20 09:04	Amber Glass, 120 mL Amber Glass, 120 mL
2000999-10	PDI-065SC-B-05-07-200429	29-Apr-20 12:55	01-May-20 09:04	Amber Glass, 120 mL
2000999-11	PDI-1065SC-B-00-02-200429	29-Apr-20 12:55	01-May-20 09:04	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00		Lab Sample: B0E0100-BLK1 Date Analyzed: 04-Jun-20 14:15 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.151			IS 13C-2,3,7,8-TCDD	74.7	25 - 164		
1,2,3,7,8-PeCDD	ND	0.138			13C-1,2,3,7,8-PeCDD	72.8	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.136			13C-1,2,3,4,7,8-HxCDD	82.8	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.131			13C-1,2,3,6,7,8-HxCDD	77.4	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.150			13C-1,2,3,7,8,9-HxCDD	80.7	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.137			13C-1,2,3,4,6,7,8-HpCDD	73.2	23 - 140		
OCDD	ND	0.371			13C-OCDD	70.5	17 - 157		
2,3,7,8-TCDF	ND	0.112			13C-2,3,7,8-TCDF	70.0	24 - 169		
1,2,3,7,8-PeCDF	ND	0.0846			13C-1,2,3,7,8-PeCDF	75.7	24 - 185		
2,3,4,7,8-PeCDF	ND	0.0780			13C-2,3,4,7,8-PeCDF	76.3	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0687			13C-1,2,3,4,7,8-HxCDF	78.1	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0748			13C-1,2,3,6,7,8-HxCDF	72.8	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0773			13C-2,3,4,6,7,8-HxCDF	73.0	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.107			13C-1,2,3,7,8,9-HxCDF	79.4	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0898			13C-1,2,3,4,6,7,8-HpCDF	70.6	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0962			13C-1,2,3,4,7,8,9-HpCDF	76.6	26 - 138		
OCDF	ND	0.184			13C-OCDF	68.6	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	65.2	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.151							
Total PeCDD	ND	0.138							
Total HxCDD	ND	0.150							
Total HpCDD	ND	0.137							
Total TCDF	ND	0.112							
Total PeCDF	ND	0.0846							
Total HxCDF	ND	0.107							
Total HpCDF	ND	0.0962							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00		Lab Sample: B0E0100-BS1 Date Analyzed: 04-Jun-20 12:45 Column: ZB-5MS			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	15.7	20.0	78.4	67 - 158	IS 13C-2,3,7,8-TCDD	71.7	20 - 175
1,2,3,7,8-PeCDD	84.6	100	84.6	70 - 142	13C-1,2,3,7,8-PeCDD	73.2	21 - 227
1,2,3,4,7,8-HxCDD	88.7	100	88.7	70 - 164	13C-1,2,3,4,7,8-HxCDD	87.6	21 - 193
1,2,3,6,7,8-HxCDD	87.7	100	87.7	76 - 134	13C-1,2,3,6,7,8-HxCDD	79.1	25 - 163
1,2,3,7,8,9-HxCDD	89.4	100	89.4	64 - 162	13C-1,2,3,7,8,9-HxCDD	86.0	21 - 193
1,2,3,4,6,7,8-HpCDD	90.2	100	90.2	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	84.5	26 - 166
OCDD	173	200	86.6	78 - 144	13C-OCDD	82.0	13 - 199
2,3,7,8-TCDF	17.0	20.0	84.8	75 - 158	13C-2,3,7,8-TCDF	67.8	22 - 152
1,2,3,7,8-PeCDF	80.7	100	80.7	80 - 134	13C-1,2,3,7,8-PeCDF	76.2	21 - 192
2,3,4,7,8-PeCDF	83.7	100	83.7	68 - 160	13C-2,3,4,7,8-PeCDF	77.0	13 - 328
1,2,3,4,7,8-HxCDF	91.8	100	91.8	72 - 134	13C-1,2,3,4,7,8-HxCDF	78.8	19 - 202
1,2,3,6,7,8-HxCDF	95.2	100	95.2	84 - 130	13C-1,2,3,6,7,8-HxCDF	72.6	21 - 159
2,3,4,6,7,8-HxCDF	96.2	100	96.2	70 - 156	13C-2,3,4,6,7,8-HxCDF	76.0	22 - 176
1,2,3,7,8,9-HxCDF	92.7	100	92.7	78 - 130	13C-1,2,3,7,8,9-HxCDF	83.1	17 - 205
1,2,3,4,6,7,8-HpCDF	87.8	100	87.8	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	75.3	21 - 158
1,2,3,4,7,8,9-HpCDF	90.4	100	90.4	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	83.9	20 - 186
OCDF	191	200	95.4	63 - 170	13C-OCDF	77.0	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	65.8	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-065SC-A-02-03-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-01 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.9 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 13:27	% Solids: 59.4	Date Analyzed : 06-Jun-20 01:27 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.102			IS 13C-2,3,7,8-TCDD	63.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.213			13C-1,2,3,7,8-PeCDD	57.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.226			13C-1,2,3,4,7,8-HxCDD	47.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.238			13C-1,2,3,6,7,8-HxCDD	44.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.305			13C-1,2,3,7,8,9-HxCDD	38.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	2.80				13C-1,2,3,4,6,7,8-HpCDD	31.3	23 - 140	
OCDD	25.2				13C-OCDD	20.5	17 - 157	
2,3,7,8-TCDF	ND		0.175		13C-2,3,7,8-TCDF	62.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.129			13C-1,2,3,7,8-PeCDF	63.4	24 - 185	
2,3,4,7,8-PeCDF	ND	0.125			13C-2,3,4,7,8-PeCDF	60.1	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.181			13C-1,2,3,4,7,8-HxCDF	46.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.173			13C-1,2,3,6,7,8-HxCDF	46.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.167		13C-2,3,4,6,7,8-HxCDF	41.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.305			13C-1,2,3,7,8,9-HxCDF	40.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.639			J	13C-1,2,3,4,6,7,8-HpCDF	34.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.392			13C-1,2,3,4,7,8,9-HpCDF	30.4	26 - 138	
OCDF	1.06			J	13C-OCDF	18.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	62.7	35 - 197	

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

TEQMinWHO2005Dioxin 0.0423

TOTALS				
Total TCDD	0.971			
Total PeCDD	ND	0.469		
Total HxCDD	2.68			
Total HpCDD	6.98			
Total TCDF	1.48	2.74		
Total PeCDF	ND	0.104		
Total HxCDF	0.288	0.544		
Total HpCDF	0.639			

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-065SC-A-03-04-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-02 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.0 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 13:27	% Solids: 62.8	Date Analyzed: 06-Jun-20 02:13 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0430			IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0604			13C-1,2,3,7,8-PeCDD	103	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0847			13C-1,2,3,4,7,8-HxCDD	111	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0925			13C-1,2,3,6,7,8-HxCDD	99.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.108			13C-1,2,3,7,8,9-HxCDD	97.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.395			J	13C-1,2,3,4,6,7,8-HpCDD	90.2	23 - 140	
OCDD	3.01			J	13C-OCDD	77.3	17 - 157	
2,3,7,8-TCDF	ND	0.0362			13C-2,3,7,8-TCDF	96.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0402			13C-1,2,3,7,8-PeCDF	104	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0348			13C-2,3,4,7,8-PeCDF	107	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0674			13C-1,2,3,4,7,8-HxCDF	86.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0595			13C-1,2,3,6,7,8-HxCDF	86.0	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0587			13C-2,3,4,6,7,8-HxCDF	100	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0614		13C-1,2,3,7,8,9-HxCDF	97.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0951			13C-1,2,3,4,6,7,8-HpCDF	84.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0948			13C-1,2,3,4,7,8,9-HpCDF	94.0	26 - 138	
OCDF	0.174			J	13C-OCDF	80.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	105	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00491

TOTALS								
Total TCDD	ND	0.0430						
Total PeCDD	ND	0.0604						
Total HxCDD	0.136							
Total HpCDD	0.806							
Total TCDF	ND	0.0362						
Total PeCDF	ND	0.0402						
Total HxCDF	ND		0.0682					
Total HpCDF	ND	0.0951						

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-065SC-A-04-05-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-03 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.6 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 13:27	% Solids: 64.7	Date Analyzed : 06-Jun-20 03:00 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0673			IS 13C-2,3,7,8-TCDD	94.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.122			13C-1,2,3,7,8-PeCDD	97.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0901			13C-1,2,3,4,7,8-HxCDD	89.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0868			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	85.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.750			J	13C-1,2,3,4,6,7,8-HpCDD	83.5	23 - 140	
OCDD	6.53				13C-OCDD	71.2	17 - 157	
2,3,7,8-TCDF	ND	0.0330			13C-2,3,7,8-TCDF	93.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0418			13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0358			13C-2,3,4,7,8-PeCDF	104	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0366			13C-1,2,3,4,7,8-HxCDF	87.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0345			13C-1,2,3,6,7,8-HxCDF	88.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0334			13C-2,3,4,6,7,8-HxCDF	90.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0536			13C-1,2,3,7,8,9-HxCDF	86.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0521			13C-1,2,3,4,6,7,8-HpCDF	81.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0559			13C-1,2,3,4,7,8,9-HpCDF	83.0	26 - 138	
OCDF	ND	0.0786			13C-OCDF	73.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	100	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00946

TOTALS			
Total TCDD	0.273		0.413
Total PeCDD	0.139		
Total HxCDD	0.796		
Total HpCDD	0.750		1.71
Total TCDF	0.267		
Total PeCDF	ND	0.0418	
Total HxCDF	ND	0.0536	
Total HpCDF	ND	0.0559	

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

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

Sample ID: PDI-065SC-A-05-06-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-04 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.3 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 13:27	% Solids: 65.6	Date Analyzed : 06-Jun-20 03:46 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0582			IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0901			13C-1,2,3,7,8-PeCDD	102	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0956			13C-1,2,3,4,7,8-HxCDD	91.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0935			13C-1,2,3,6,7,8-HxCDD	90.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.111			13C-1,2,3,7,8,9-HxCDD	87.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.857			J	13C-1,2,3,4,6,7,8-HpCDD	86.6	23 - 140	
OCDD	6.44				13C-OCDD	77.3	17 - 157	
2,3,7,8-TCDF	ND	0.0415			13C-2,3,7,8-TCDF	98.8	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0410			13C-1,2,3,7,8-PeCDF	104	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0361			13C-2,3,4,7,8-PeCDF	106	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0398			13C-1,2,3,4,7,8-HxCDF	91.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0365			13C-1,2,3,6,7,8-HxCDF	90.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0395			13C-2,3,4,6,7,8-HxCDF	94.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0257		13C-1,2,3,7,8,9-HxCDF	89.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0449			13C-1,2,3,4,6,7,8-HpCDF	86.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0483			13C-1,2,3,4,7,8,9-HpCDF	90.0	26 - 138	
OCDF	ND	0.0741			13C-OCDF	79.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	104	35 - 197	

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

TEQMinWHO2005Dioxin 0.0105

TOTALS								
Total TCDD	0.341		0.408					
Total PeCDD	0.169		0.226					
Total HxCDD	1.01							
Total HpCDD	1.98							
Total TCDF	0.232							
Total PeCDF	ND	0.0410						
Total HxCDF	ND		0.0346					
Total HpCDF	ND	0.0483						

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-065SC-A-06-07-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-05 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.4 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 13:27	% Solids: 65.2	Date Analyzed : 06-Jun-20 04:32 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0759			IS 13C-2,3,7,8-TCDD	79.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.103			13C-1,2,3,7,8-PeCDD	88.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0993			13C-1,2,3,4,7,8-HxCDD	87.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.100			13C-1,2,3,6,7,8-HxCDD	88.1	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.117			13C-1,2,3,7,8,9-HxCDD	92.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.44			J	13C-1,2,3,4,6,7,8-HpCDD	86.8	23 - 140	
OCDD	11.0				13C-OCDD	78.6	17 - 157	
2,3,7,8-TCDF	ND	0.0484			13C-2,3,7,8-TCDF	73.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0501			13C-1,2,3,7,8-PeCDF	88.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0476			13C-2,3,4,7,8-PeCDF	87.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0426			13C-1,2,3,4,7,8-HxCDF	86.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0381			13C-1,2,3,6,7,8-HxCDF	89.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0386			13C-2,3,4,6,7,8-HxCDF	95.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0469		13C-1,2,3,7,8,9-HxCDF	90.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0430			13C-1,2,3,4,6,7,8-HpCDF	88.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0450			13C-1,2,3,4,7,8,9-HpCDF	84.2	26 - 138	
OCDF	ND	0.0859			13C-OCDF	75.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	80.3	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0177

TOTALS			
Total TCDD	0.377		0.435
Total PeCDD	0.114		0.282
Total HxCDD	1.63		
Total HpCDD	3.70		
Total TCDF	0.317		
Total PeCDF	ND	0.0501	
Total HxCDF	0.0141		0.0609
Total HpCDF	ND	0.0450	

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-065SC-A-07-08-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-06 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 14.6 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 13:27	% Solids: 68.9	Date Analyzed : 06-Jun-20 05:18 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0512			IS 13C-2,3,7,8-TCDD	91.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0712			13C-1,2,3,7,8-PeCDD	94.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0804			13C-1,2,3,4,7,8-HxCDD	91.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0847			13C-1,2,3,6,7,8-HxCDD	90.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0888			13C-1,2,3,7,8,9-HxCDD	89.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.533			J	13C-1,2,3,4,6,7,8-HpCDD	85.7	23 - 140	
OCDD	4.09			J	13C-OCDD	75.8	17 - 157	
2,3,7,8-TCDF	ND	0.0475			13C-2,3,7,8-TCDF	91.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0302			13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0287			13C-2,3,4,7,8-PeCDF	103	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0362			13C-1,2,3,4,7,8-HxCDF	90.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0337			13C-1,2,3,6,7,8-HxCDF	90.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0356			13C-2,3,4,6,7,8-HxCDF	93.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0370		13C-1,2,3,7,8,9-HxCDF	90.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0295			13C-1,2,3,4,6,7,8-HpCDF	86.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0320			13C-1,2,3,4,7,8,9-HpCDF	90.5	26 - 138	
OCDF	ND		0.0690		13C-OCDF	73.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	95.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00656

TOTALS				
Total TCDD	0.384			
Total PeCDD	0.122		0.178	
Total HxCDD	0.652			
Total HpCDD	1.39			
Total TCDF	0.226			
Total PeCDF	ND	0.0302		
Total HxCDF	ND		0.0370	
Total HpCDF	ND	0.0320		

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-065SC-A-08-09-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-07 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.1 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 13:27	% Solids: 66.3	Date Analyzed : 06-Jun-20 06:04 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0649			IS 13C-2,3,7,8-TCDD	70.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0786			13C-1,2,3,7,8-PeCDD	86.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0642			13C-1,2,3,4,7,8-HxCDD	88.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0639			13C-1,2,3,6,7,8-HxCDD	84.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0721			13C-1,2,3,7,8,9-HxCDD	86.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.170		13C-1,2,3,4,6,7,8-HpCDD	82.9	23 - 140	
OCDD	ND		1.55		13C-OCDD	71.3	17 - 157	
2,3,7,8-TCDF	ND	0.0378			13C-2,3,7,8-TCDF	65.5	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0389			13C-1,2,3,7,8-PeCDF	84.4	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0340			13C-2,3,4,7,8-PeCDF	85.9	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0265			13C-1,2,3,4,7,8-HxCDF	82.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0232			13C-1,2,3,6,7,8-HxCDF	83.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0233			13C-2,3,4,6,7,8-HxCDF	92.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0471		13C-1,2,3,7,8,9-HxCDF	90.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0302			13C-1,2,3,4,6,7,8-HpCDF	84.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0316			13C-1,2,3,4,7,8,9-HpCDF	86.9	26 - 138	
OCDF	ND	0.0691			13C-OCDF	72.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	72.1	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00

TOTALS								
Total TCDD	ND	0.0649						
Total PeCDD	ND	0.0786						
Total HxCDD	0.125							
Total HpCDD	ND		0.433					
Total TCDF	0.0555							
Total PeCDF	ND	0.0389						
Total HxCDF	ND		0.0471					
Total HpCDF	ND	0.0316						

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-065SC-B-00-02-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-08 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.0 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 12:55	% Solids: 67.0	Date Analyzed : 06-Jun-20 06:51 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0661			IS 13C-2,3,7,8-TCDD	89.5	25 - 164	
1,2,3,7,8-PeCDD	ND		0.156		13C-1,2,3,7,8-PeCDD	82.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.167			13C-1,2,3,4,7,8-HxCDD	68.8	32 - 141	
1,2,3,6,7,8-HxCDD	0.562			J	13C-1,2,3,6,7,8-HxCDD	65.6	28 - 130	
1,2,3,7,8,9-HxCDD	0.250			J	13C-1,2,3,7,8,9-HxCDD	61.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	28.5				13C-1,2,3,4,6,7,8-HpCDD	49.3	23 - 140	
OCDD	410				13C-OCDD	26.4	17 - 157	
2,3,7,8-TCDF	0.328			J	13C-2,3,7,8-TCDF	86.4	24 - 169	
1,2,3,7,8-PeCDF	0.247			J	13C-1,2,3,7,8-PeCDF	89.1	24 - 185	
2,3,4,7,8-PeCDF	0.616			J	13C-2,3,4,7,8-PeCDF	85.6	21 - 178	
1,2,3,4,7,8-HxCDF	0.557			J	13C-1,2,3,4,7,8-HxCDF	68.8	26 - 152	
1,2,3,6,7,8-HxCDF	0.316			J	13C-1,2,3,6,7,8-HxCDF	68.5	26 - 123	
2,3,4,6,7,8-HxCDF	0.484			J	13C-2,3,4,6,7,8-HxCDF	62.8	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.277			13C-1,2,3,7,8,9-HxCDF	64.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	8.66				13C-1,2,3,4,6,7,8-HpCDF	52.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.186			13C-1,2,3,4,7,8,9-HpCDF	52.8	26 - 138	
OCDF	7.23				13C-OCDF	31.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.1	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.939

TOTALS			
Total TCDD	0.731		0.838
Total PeCDD	0.569		2.05
Total HxCDD	8.57		
Total HpCDD	77.7		
Total TCDF	5.10		
Total PeCDF	7.43		7.54
Total HxCDF	9.24		
Total HpCDF	19.1		

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

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

Sample ID: PDI-065SC-B-02-05-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-09 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.9 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 12:55	% Solids: 63.0	Date Analyzed : 06-Jun-20 07:37 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0590			IS 13C-2,3,7,8-TCDD	94.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0910			13C-1,2,3,7,8-PeCDD	91.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.101			13C-1,2,3,4,7,8-HxCDD	83.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.111			13C-1,2,3,6,7,8-HxCDD	78.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.132			13C-1,2,3,7,8,9-HxCDD	73.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.693			J	13C-1,2,3,4,6,7,8-HpCDD	63.7	23 - 140	
OCDD	6.17				13C-OCDD	40.8	17 - 157	
2,3,7,8-TCDF	ND	0.0532			13C-2,3,7,8-TCDF	91.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0626			13C-1,2,3,7,8-PeCDF	97.2	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0566			13C-2,3,4,7,8-PeCDF	95.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0440			13C-1,2,3,4,7,8-HxCDF	80.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0426			13C-1,2,3,6,7,8-HxCDF	80.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0475			13C-2,3,4,6,7,8-HxCDF	77.9	28 - 136	
1,2,3,7,8,9-HxCDF	0.0632			J	13C-1,2,3,7,8,9-HxCDF	78.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.100		13C-1,2,3,4,6,7,8-HpCDF	65.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0667			13C-1,2,3,4,7,8,9-HpCDF	67.0	26 - 138	
OCDF	ND	0.115			13C-OCDF	42.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	97.4	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0151

TOTALS			
Total TCDD	0.228		0.307
Total PeCDD	ND		0.179
Total HxCDD	0.523		
Total HpCDD	1.77		
Total TCDF	0.215		
Total PeCDF	ND	0.0626	
Total HxCDF	0.0632		
Total HpCDF	ND		0.100

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-065SC-B-02-05-200429		QC Batch: B0E0100		Lab Sample: B0E0100-DUP3				
Source LabNumber: 2000999-09		Date Extracted: 13-May-2020 6:00		Date Analyzed: 06-Jun-20 08:23 Column: ZB-5MS				
Matrix: Solid								
Sample Size: 15.9 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0665			IS 13C-2,3,7,8-TCDD	79.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0659			13C-1,2,3,7,8-PeCDD	83.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.109			13C-1,2,3,4,7,8-HxCDD	71.7	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.110			13C-1,2,3,6,7,8-HxCDD	67.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.137			13C-1,2,3,7,8,9-HxCDD	63.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.30			J	13C-1,2,3,4,6,7,8-HpCDD	53.3	23 - 140	
OCDD	10.4				13C-OCDD	28.0	17 - 157	
2,3,7,8-TCDF	ND	0.0653			13C-2,3,7,8-TCDF	74.1	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0461			13C-1,2,3,7,8-PeCDF	84.2	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0436			13C-2,3,4,7,8-PeCDF	82.2	21 - 178	
1,2,3,4,7,8-HxCDF	ND		0.0459		13C-1,2,3,4,7,8-HxCDF	72.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0557			13C-1,2,3,6,7,8-HxCDF	70.2	26 - 123	
2,3,4,6,7,8-HxCDF	0.0344			J	13C-2,3,4,6,7,8-HxCDF	68.9	28 - 136	
1,2,3,7,8,9-HxCDF	0.0546			J	13C-1,2,3,7,8,9-HxCDF	66.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.186		13C-1,2,3,4,6,7,8-HpCDF	57.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0817			13C-1,2,3,4,7,8,9-HpCDF	54.1	26 - 138	
OCDF	0.240			J	13C-OCDF	32.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	77.9	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 0.0251			
TOTALS								
Total TCDD	0.613							
Total PeCDD	0.156		0.304					
Total HxCDD	1.49							
Total HpCDD	3.48							
Total TCDF	0.359							
Total PeCDF	ND	0.0461						
Total HxCDF	0.163		0.218					
Total HpCDF	ND		0.186					

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-065SC-B-02-05-200429					Duplicate Lab Sample: B0E0100-DUP3				
Source LabNumber: 2000999-09									
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	79.8	94.5	25 - 164	
1,2,3,7,8-PeCDD	ND	ND	NA	25	13C-1,2,3,7,8-PeCDD	83.3	91.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDD	71.7	83.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDD	67.4	78.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDD	63.5	73.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.30	0.693	61.2	25	13C-1,2,3,4,6,7,8-HpCDD	53.3	63.7	23 - 140	
OCDD	10.4	6.17	51.2	25	13C-OCDD	28.0	40.8	17 - 157	
2,3,7,8-TCDF	ND	ND	NA	25	13C-2,3,7,8-TCDF	74.1	91.3	24 - 169	
1,2,3,7,8-PeCDF	ND	ND	NA	25	13C-1,2,3,7,8-PeCDF	84.2	97.2	24 - 185	
2,3,4,7,8-PeCDF	ND	ND	NA	25	13C-2,3,4,7,8-PeCDF	82.2	95.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDF	72.2	80.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDF	70.2	80.1	26 - 123	
2,3,4,6,7,8-HxCDF	0.0344	ND	#	25	13C-2,3,4,6,7,8-HxCDF	68.9	77.9	28 - 136	
1,2,3,7,8,9-HxCDF	0.0546	0.0632	14.7	25	13C-1,2,3,7,8,9-HxCDF	66.4	78.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	ND	NA	25	13C-1,2,3,4,6,7,8-HpCDF	57.6	65.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	25	13C-1,2,3,4,7,8,9-HpCDF	54.1	67.0	26 - 138	
OCDF	0.240	ND	#	25	13C-OCDF	32.7	42.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	77.9	97.4	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-065SC-B-05-07-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-10 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.0 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 12:55	% Solids: 66.8	Date Analyzed : 06-Jun-20 09:09 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0486			IS 13C-2,3,7,8-TCDD	81.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0512			13C-1,2,3,7,8-PeCDD	91.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0660			13C-1,2,3,4,7,8-HxCDD	90.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0647			13C-1,2,3,6,7,8-HxCDD	86.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0747			13C-1,2,3,7,8,9-HxCDD	88.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.0648			13C-1,2,3,4,6,7,8-HpCDD	85.8	23 - 140	
OCDD	0.499			J	13C-OCDD	74.7	17 - 157	
2,3,7,8-TCDF	ND	0.0270			13C-2,3,7,8-TCDF	75.5	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0299			13C-1,2,3,7,8-PeCDF	92.0	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0297			13C-2,3,4,7,8-PeCDF	90.5	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0296			13C-1,2,3,4,7,8-HxCDF	86.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0271			13C-1,2,3,6,7,8-HxCDF	86.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0286			13C-2,3,4,6,7,8-HxCDF	92.1	28 - 136	
1,2,3,7,8,9-HxCDF	0.0459			J	13C-1,2,3,7,8,9-HxCDF	91.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0422			13C-1,2,3,4,6,7,8-HpCDF	87.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0445			13C-1,2,3,4,7,8,9-HpCDF	87.8	26 - 138	
OCDF	ND	0.0647			13C-OCDF	76.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	78.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00474

TOTALS								
Total TCDD	ND	0.0486						
Total PeCDD	ND		0.0994					
Total HxCDD	ND	0.0747						
Total HpCDD	ND	0.0648						
Total TCDF	ND	0.0270						
Total PeCDF	ND	0.0299						
Total HxCDF	0.0459		0.0515					
Total HpCDF	ND	0.0445						

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-1065SC-B-00-02-200429 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000999-11 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 14.6 g	QC Batch: B0E0100 Date Extracted: 13-May-2020 6:00
Date Collected: 29-Apr-2020 12:55	% Solids: 68.6	Date Analyzed : 06-Jun-20 09:56 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0884		IS 13C-2,3,7,8-TCDD	91.9	25 - 164	
1,2,3,7,8-PeCDD	ND		0.114		13C-1,2,3,7,8-PeCDD	87.4	25 - 181	
1,2,3,4,7,8-HxCDD	0.140			J	13C-1,2,3,4,7,8-HxCDD	74.9	32 - 141	
1,2,3,6,7,8-HxCDD	0.747			J	13C-1,2,3,6,7,8-HxCDD	73.1	28 - 130	
1,2,3,7,8,9-HxCDD	0.344			J	13C-1,2,3,7,8,9-HxCDD	67.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	43.6				13C-1,2,3,4,6,7,8-HpCDD	57.9	23 - 140	
OCDD	444				13C-OCDD	37.3	17 - 157	
2,3,7,8-TCDF	0.436			J	13C-2,3,7,8-TCDF	87.1	24 - 169	
1,2,3,7,8-PeCDF	ND		0.213		13C-1,2,3,7,8-PeCDF	93.5	24 - 185	
2,3,4,7,8-PeCDF	0.607			J	13C-2,3,4,7,8-PeCDF	90.3	21 - 178	
1,2,3,4,7,8-HxCDF	0.503			J	13C-1,2,3,4,7,8-HxCDF	76.4	26 - 152	
1,2,3,6,7,8-HxCDF	0.258			J	13C-1,2,3,6,7,8-HxCDF	74.7	26 - 123	
2,3,4,6,7,8-HxCDF	0.460			J	13C-2,3,4,6,7,8-HxCDF	70.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.165		13C-1,2,3,7,8,9-HxCDF	72.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	6.79				13C-1,2,3,4,6,7,8-HpCDF	61.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.215			13C-1,2,3,4,7,8,9-HpCDF	61.8	26 - 138	
OCDF	8.46				13C-OCDF	41.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	96.6	35 - 197	

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

TEQMinWHO2005Dioxin 1.11

TOTALS		
Total TCDD	1.25	1.43
Total PeCDD	1.11	2.37
Total HxCDD	13.7	
Total HpCDD	115	
Total TCDF	4.02	6.26
Total PeCDF	7.73	8.17
Total HxCDF	8.88	9.04
Total HpCDF	18.5	

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

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

DATA QUALIFIERS & ABBREVIATIONS

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

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

Vista Analytical Laboratory Certifications

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

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

NELAP Accredited Test Methods

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

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

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

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2000999 3.9°C

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20200429-141736
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-065SC-A-02-03-200429	N	SE	04/29/2020	13:27	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
002	PDI-065SC-A-03-04-200429	N	SE	04/29/2020	13:27	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
003	PDI-065SC-A-04-05-200429	N	SE	04/29/2020	13:27	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
004	PDI-065SC-A-05-06-200429	N	SE	04/29/2020	13:27	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
005	PDI-065SC-A-06-07-200429	N	SE	04/29/2020	13:27	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
006	PDI-065SC-A-07-08-200429	N	SE	04/29/2020	13:27	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
007	PDI-065SC-A-08-09-200429	N	SE	04/29/2020	13:27	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature <i>[Signature]</i>	Signature <i>William R. Wright</i>	Signature	Signature	Signature	Signature
Print Name <i>Lucas Henry</i>	Print Name <i>William R. Wright</i>	Print Name	Print Name	Print Name	Print Name
Company <i>AQ</i>	Company <i>VIA</i>	Company	Company	Company	Company
Date/Time <i>4/29/2020/1500</i>	Date/Time <i>5-1-20 09:04</i>	Date/Time	Date/Time	Date/Time	Date/Time

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2000999 3.9°C

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20200429-141736
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
008	PDI-065SC-B-00-02-200429	N	SE	04/29/2020	12:55	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
009	PDI-065SC-B-02-05-200429	N	SE	04/29/2020	12:55	2	<input checked="" type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
010	PDI-065SC-B-05-07-200429	N	SE	04/29/2020	12:55	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
011	PDI-1065SC-B-00-02-200429	FD	SE	04/29/2020		1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:					
Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature	Signature	Signature	Signature
Print Name <i>Lucas Henry</i>	Print Name <i>William R. Wright</i>	Print Name	Print Name	Print Name	Print Name
Company <i>AG</i>	Company <i>OAL</i>	Company	Company	Company	Company
Date/Time <i>4/29/2020/1300</i>	Date/Time <i>5-1-20 09:04</i>	Date/Time	Date/Time	Date/Time	Date/Time

Sample Log-In Checklist

 Page # 1 of 2

 Vista Work Order #: 2000999

 TAT 28

Samples Arrival:	Date/Time: 5/1/20 09:04	Initials: URW	Location: WR-2
	Shelf/Rack: N/A		
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: 3.9 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N	Thermometer ID: IR-4	
Temp °C: 3.9 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>1 of 3</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trk # <u>7703 6338 1662</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 checked="" 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: 05/01/20 1328	Initials: CEN	Location: WR-2
			Shelf/Rack: C-5
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

Sample Log-In Checklist

 Page # 2 of 2

 Vista Work Order #: 2000999

 TAT 28

Samples Arrival:	Date/Time: 05/11/20 09:04	Initials: WRW	Location: WR-2
			Shelf/Rack: N/A
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
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 3.8 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: TR-4
Temp °C: 3.8 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>3 of 3</u> Trk # <u>7703 6338 2007</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	Vista	<input checked="" type="checkbox"/> Client	Retain
			Return / Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Logged In:	Date/Time: 05/10/20 1328	Initials: CM	Location: WR-2
			Shelf/Rack: G-5
COC Anomaly/Sample Acceptance Form completed?			<input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2000999

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2000999-01	A PDI-065SC-A-02-03-200429	<input checked="" type="checkbox"/> C3	29-Apr-20 13:27	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-02	A PDI-065SC-A-03-04-200429	<input checked="" type="checkbox"/> L	29-Apr-20 13:27	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-03	A PDI-065SC-A-04-05-200429	<input checked="" type="checkbox"/> C1	29-Apr-20 13:27	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-04	A PDI-065SC-A-05-06-200429	<input checked="" type="checkbox"/> C3	29-Apr-20 13:27	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-05	A PDI-065SC-A-06-07-200429	<input checked="" type="checkbox"/> C1	29-Apr-20 13:27	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-06	A PDI-065SC-A-07-08-200429	<input checked="" type="checkbox"/> L	29-Apr-20 13:27	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-07	A PDI-065SC-A-08-09-200429	<input checked="" type="checkbox"/> L	29-Apr-20 13:27	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-08	A PDI-065SC-B-00-02-200429	<input checked="" type="checkbox"/> C3	29-Apr-20 12:55	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-09	A PDI-065SC-B-02-05-200429	<input checked="" type="checkbox"/> C1	29-Apr-20 12:55	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2000999-09	B PDI-065SC-B-02-05-200429	<input checked="" type="checkbox"/> L	29-Apr-20 12:55	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2000999-10	A PDI-065SC-B-05-07-200429	<input checked="" type="checkbox"/> C3	29-Apr-20 12:55	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000999-11	A PDI-1065SC-B-00-02-200429	<input checked="" type="checkbox"/> L	29-Apr-20 12:55	<input checked="" type="checkbox"/> (A)	Amber Glass, 120 mL	Solid

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

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

Comments:

(A) Time on label

Verified by/Date: CM 05/01/20

EXTRACTION INFORMATION

PRIORITY

Process Sheet
Workorder: **2000999**

Prep Expiration: 2021-04-29
Client: Anchor QEA, LLC

Workorder Due: 29-May-20 00:00

TAT: 28

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

Prep Batch: BOE0100

Prep Data Entered: AO 05/17/20
Date and Initials

Initial Sequence: S0F0015

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000999-01	<input checked="" type="checkbox"/>	PDI-065SC-A-02-03-200429	01-May-20 09:04	WR-2 G-5	
2000999-02	<input checked="" type="checkbox"/>	PDI-065SC-A-03-04-200429	01-May-20 09:04	WR-2 G-5	
2000999-03	<input checked="" type="checkbox"/>	PDI-065SC-A-04-05-200429	01-May-20 09:04	WR-2 G-5	
2000999-04	<input checked="" type="checkbox"/>	PDI-065SC-A-05-06-200429	01-May-20 09:04	WR-2 G-5	
2000999-05	<input checked="" type="checkbox"/>	PDI-065SC-A-06-07-200429	01-May-20 09:04	WR-2 G-5	
2000999-06	<input checked="" type="checkbox"/>	PDI-065SC-A-07-08-200429	01-May-20 09:04	WR-2 G-5	
2000999-07	<input checked="" type="checkbox"/>	PDI-065SC-A-08-09-200429	01-May-20 09:04	WR-2 G-5	
2000999-08	<input checked="" type="checkbox"/>	PDI-065SC-B-00-02-200429	01-May-20 09:04	WR-2 G-5	
2000999-09	<input checked="" type="checkbox"/>	PDI-065SC-B-02-05-200429	01-May-20 09:04	WR-2 G-5	DUP
2000999-10	<input checked="" type="checkbox"/>	PDI-065SC-B-05-07-200429	01-May-20 09:04	WR-2 G-5	
2000999-11	<input checked="" type="checkbox"/>	PDI-1065SC-B-00-02-200429	01-May-20 09:04	WR-2 G-5	

WO Comments: Dioxin - 10g (dry weight)
One dup required per batch of 20 samples

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

Prep Check Out: EM 05/13/20

Prep Reconciled Initials/Date: CHT 05/06/20

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

Prep Check In: EM 05/13/20

Spike Reconciled Initials/Date: AO 05/13/20

VialBoxID: VSS Ferragut

PREPARATION BENCH SHEET

Matrix: Solid

BOE0100

Chemist: EM

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 13-May-20 06:00

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	Florisi/ CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	BOE0100-BLK1	N/A	(10.00)	<u>NO EM 05/13/20</u>	<u>RR TX 05/15/20</u>	<u>RR 05/15/20</u>	<u>RR 05/16/20</u>	<u>RR 05/16/20</u>	<u>NO 05/17/20</u>	<u>EM</u>
<input type="checkbox"/>	BOE0100-BS1	N/A	(10.00)	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	BOE0100-DUP1 2000998-02 (A)	15.15	15.21	↓	↓	NA	yellow	↓	↓	↓
<input type="checkbox"/>	BOE0100-DUP2 2000998-05	18.87	18.88	↓	↓	RR 05/15/20	↓	↓	↓	↓
<input type="checkbox"/>	BOE0100-DUP3 2000999-09	15.88	15.92	↓	↓	NA	↓	↓	↓	↓
<input type="checkbox"/>	2000998-01	14.28	14.35	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000998-02	15.15	15.27	↓	↓	↓	yellow	↓	↓	↓
<input type="checkbox"/>	2000998-03	14.34	14.40	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000998-04 (B)	15.34	15.40	↓	↓	RR 05/15/20	yellow	↓	↓	↓
<input type="checkbox"/>	2000998-05	18.87	18.95	↓	↓	RR 05/15/20	↓	↓	↓	↓
<input type="checkbox"/>	2000998-06	16.08	16.11	↓	↓	RR 05/15/20	↓	↓	↓	↓
<input type="checkbox"/>	2000999-01	16.83	16.92	↓	↓	RR 05/15/20	↓	↓	↓	↓
<input type="checkbox"/>	2000999-02	15.91	15.97	↓	↓	NA	↓	↓	↓	↓
<input type="checkbox"/>	2000999-03	15.45	15.55	↓	↓	↓	purple	↓	↓	↓
<input type="checkbox"/>	2000999-04	15.24	15.25	↓	↓	↓	↓	↓	↓	↓

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 (SDS)	Check Out: Chemist/Date: <u>EM 05/13/20</u>
PCDD/F <u>19L2301, 10ul</u>	PCDD/F <u>18F1913, 10ul</u>	PCDD/F <u>19I1602, 10ul</u>	PCDD/F <u>19I1603, 10ul</u>	Start Date/Time: <u>05/13/20 1025</u>	SOLV: <u>T01</u>	Check In: Chemist/Date: <u>EM 05/13/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time: <u>05/14/20 0625</u>	Other: <u>N/A</u>	Balance ID: <u>HRMS-08</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s): <u>20ul</u>	<u>C14</u>	

Comments:

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

(A) Samples are dark and muddy with odor before extraction EM 05/13/20

(B) sample ejected some sample into Rotovap Reservoir

PREPARATION BENCH SHEET

Matrix: Solid

B0E0100

Chemist: EM

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 13-May-20 06:00

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"/>	2000999-05 (A)	15.34	15.41	AO <u>EM 05/13/20</u>	RR <u>JK 05/15/20</u>	NA	RR <u>05/16/20</u>	RR <u>05/16/20</u>	AO <u>05/17/20</u>	AO <u>EM</u>
<input type="checkbox"/>	2000999-06	14.51	14.64	↓	↓	↓	↓	↓	↓	
<input type="checkbox"/>	2000999-07	15.08	15.10	↓	↓	↓	↓	↓	↓	
<input type="checkbox"/>	2000999-08	14.92	14.96	↓	↓	↓	yellow	↓	↓	
<input type="checkbox"/>	2000999-09	15.88	15.90	↓	↓	↓	↓	↓	↓	
<input type="checkbox"/>	2000999-10	14.97	14.99	↓	↓	↓	↓	↓	↓	
<input type="checkbox"/>	2000999-11	14.58	14.58*	↓	↓	↓	yellow	↓	↓	

* 14.61 EM 05/13/20

(A) samples are dark and muddy with odor before extraction EM 05/13/20

IS Name <u>(S)</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>EM 05/13/20</u>
PCDD/F <u>19L7301, 10mL</u>	PCDD/F <u>18F1913, 10mL</u>	PCDD/F <u>19I1602, 10mL</u>	PCDD/F <u>19I1603, 10mL</u>	Start Date/Time <u>05/13/20 1025</u>	SOLV: <u>T01</u>	Chemist/Date: <u>EM 05/13/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>05/14/20 0025</u>	Other <u>N/A</u>	Check In: <u>EM 05/13/20</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>20mL</u>	<u>C14</u>	Balance ID: <u>HRMS-08</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

Analyst: CHT	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>EC 05/09/20</u>
Analyte:	Units: %	
Dried at 110°C+/-5°C Oven ID: 01 02		

Inst HRMS-9
 Date/Time IN: 05/06/20 1539 Date/Time OUT: 05/07/20 0825

Particle Size	SampleID	SampType	Initial and Date:		G		H	I	K				O	P
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)			%Solids Raw/Val	Visual Inspection	Cl- Before	pH After		
	2000998-01	A	Sample	1.3000	7.7100	5.7900	4.4900	70.05	MUD	NA	NA	NA	NA	Y
	2000998-02	A	Sample	1.3100	8.7500	6.2200	4.9100	65.99	MUD	NA	NA	NA	NA	Y
	2000998-03	A	Sample	1.3100	6.0000	4.5800	3.2700	69.72	MUD	NA	NA	NA	NA	Y
	2000998-04	A	Sample	1.3000	5.7800	4.2200	2.9200	65.18	MUD	NA	NA	NA	NA	Y
	2000998-05	A	Sample	1.3000	7.4900	4.5800	3.2800	52.99	MUD	NA	NA	NA	NA	Y
	2000998-06	A	Sample	1.3000	5.6100	3.9800	2.6800	62.18	MUD	NA	NA	NA	NA	Y
	2000999-01	A	Sample	1.3100	4.8100	3.3900	2.0800	59.43	MUD	NA	NA	NA	NA	Y
	2000999-02	A	Sample	1.3100	5.6700	4.0500	2.7400	62.84	MUD	NA	NA	NA	NA	Y
	2000999-03	A	Sample	1.3000	7.7100	5.4500	4.1500	64.74	MUD	NA	NA	NA	NA	Y
	2000999-04	A	Sample	1.3100	6.3400	4.6100	3.3000	65.81	MUD	NA	NA	NA	NA	Y
	2000999-05	A	Sample	1.2900	5.6000	4.1000	2.8100	65.20	MUD	NA	NA	NA	NA	Y
	2000999-06	A	Sample	1.3100	7.2000	5.3700	4.0600	68.93	MUD	NA	NA	NA	NA	Y
	2000999-07	A	Sample	1.2900	4.9400	3.7100	2.4200	66.30	MUD	NA	NA	NA	NA	Y
	2000999-08	A	Sample	1.3100	5.8900	4.3800	3.0700	67.03	MUD	NA	NA	NA	NA	Y
	2000999-09	A	Sample	1.3100	5.8200	4.1500	2.8400	62.97	MUD	NA	NA	NA	NA	Y
	2000999-10	A	Sample	1.3000	5.6700	4.2200	2.9200	66.82	MUD	NA	NA	NA	NA	Y
	2000999-11	A	Sample	1.2800	6.9800	5.1900	3.9100	68.80	MUD	NA	NA	NA	NA	Y

*Sample homogenized in sample container unless otherwise noted.

Analyst: CHT	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>JA</u>
Analyte: Dried at 110°C±5°C	Units: %	
Oven ID: 07 02		

Inst **HRMS-9**

Date/Time IN: 05/06/20 15:39 Date/Time OUT: 05/07/20 08:25

* CHT 05/07/20

Particle Size	SampID	SampType	Initial and Date:		G		Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl- Before	pH After	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	CHT 05/06/20	CHT 05/07/20								
	2000998-01	Sample	1.30	7.71	* 4.30	5.79			Mud					✓
	2000998-02	Sample	1.31	8.75	* 4.04	6.22								✓
	2000998-03	Sample	1.31	6.00	* 5.25	6.58								✓
	2000998-04	Sample	1.30	5.78	4.22									✓
	2000998-05	Sample	1.30	7.49	4.58									✓
	2000998-06	Sample	1.30	5.61	3.88									✓
	2000999-01	Sample	1.31	4.81	* 4.16	3.39								✓
	2000999-02	Sample	1.31	5.67	* 4.34	4.05								✓
	2000999-03	Sample	1.30	7.71	* 6.21	5.45								✓
	2000999-04	Sample	1.31	6.34	4.61									✓
	2000999-05	Sample	1.29	5.60	4.10									✓
	2000999-06	Sample	1.31	7.20	5.37									✓
	2000999-07	Sample	1.29	4.94	3.71									✓
	2000999-08	Sample	1.31	5.89	4.88									✓
	2000999-09	Sample	1.31	5.82	4.15									✓
	2000999-10	Sample	1.30	5.67	4.22									✓
	2000999-11	Sample	1.28	6.98	5.19									✓

*Sample homogenized in sample container unless otherwise noted.

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000998-01	14.35	70.0468	10.0517	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000998-02	15.27	65.99462	10.0774	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000998-03	14.4	69.72282	10.0401	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000998-04	15.4	65.17857	10.0375	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000998-05	18.95	52.98869	10.0414	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000998-06	16.11	62.18097	10.0174	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-01	16.92	59.42858	10.0553	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-02	15.97	62.84404	10.0362	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-03	15.55	64.74258	10.0675	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-04	15.25	65.60636	10.0050	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-05	15.41	65.19721	10.0469	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-06	14.64	68.93039	10.0914	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-07	15.1	66.30137	10.0115	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-08	14.96	67.03057	10.0278	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-09	15.9	62.97118	10.0124	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-10	14.99	66.81921	10.0162	20	13-May-20 06:00	EMM			Sediment	1613 Full List
2000999-11	14.61	68.59649	10.0219	20	13-May-20 06:00	EMM			Sediment	1613 Full List
B0E0100-BLK1	10			20	13-May-20 06:00	EMM				QC
B0E0100-BS1	10			20	13-May-20 06:00	EMM	18F1913	10		QC
B0E0100-DUP1	15.21			20	13-May-20 06:00	EMM				QC
B0E0100-DUP2	18.88			20	13-May-20 06:00	EMM				QC
B0E0100-DUP3	15.92	62.97118	10.0250	20	13-May-20 06:00	EMM				QC

All bolded data on report verified against written benchsheet by (initial/date) 10 05/17/20

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

Last Altered: Thursday, June 04, 2020 15:08:46 Pacific Daylight Time
Printed: Thursday, June 04, 2020 15:11:05 Pacific Daylight Time

DB 6/4/20 C706/09/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-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	0.987	10.000	26.127		1.001				0.151	
2	2 1,2,3,7,8-PeCDD			NO	0.982	10.000	30.650		1.001				0.138	
3	3 1,2,3,4,7,8-HxCDD			NO	1.17	10.000	33.949		1.000				0.136	
4	4 1,2,3,6,7,8-HxCDD			NO	1.04	10.000	34.048		1.000				0.131	
5	5 1,2,3,7,8,9-HxCDD			NO	1.00	10.000	34.379		1.001				0.150	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.992	10.000	37.824		1.000				0.137	
7	7 OCDD			NO	1.04	10.000	41.082		1.000				0.371	
8	8 2,3,7,8-TCDF			NO	0.882	10.000	25.326		1.001				0.112	
9	9 1,2,3,7,8-PeCDF			NO	1.05	10.000	29.482		1.001				0.0846	
10	10 2,3,4,7,8-PeCDF			NO	1.06	10.000	30.377		1.001				0.0780	
11	11 1,2,3,4,7,8-HxCDF			NO	1.08	10.000	33.061		1.000				0.0687	
12	12 1,2,3,6,7,8-HxCDF			NO	1.04	10.000	33.191		1.000				0.0748	
13	13 2,3,4,6,7,8-HxCDF			NO	1.11	10.000	33.797		1.001				0.0773	
14	14 1,2,3,7,8,9-HxCDF			NO	1.06	10.000	34.718		1.000				0.107	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.13	10.000	36.587		1.001				0.0898	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.33	10.000	38.361		1.000				0.0962	
17	17 OCDF			NO	0.933	10.000	41.301		1.000				0.184	
18	18 13C-2,3,7,8-TCDD	1.17e5	0.79	NO	1.21	10.000	26.194	26.10	1.026	1.022	149.33	74.7	0.478	
19	19 13C-1,2,3,7,8-PeCDD	9.43e4	0.62	NO	0.996	10.000	30.688	30.63	1.202	1.200	145.66	72.8	0.284	
20	20 13C-1,2,3,4,7,8-HxCDD	7.20e4	1.31	NO	0.679	10.000	33.935	33.94	1.014	1.014	165.67	82.8	0.587	
21	21 13C-1,2,3,6,7,8-HxCDD	8.42e4	1.28	NO	0.850	10.000	34.046	34.05	1.017	1.017	154.88	77.4	0.468	
22	22 13C-1,2,3,7,8,9-HxCDD	8.25e4	1.26	NO	0.798	10.000	34.317	34.34	1.025	1.026	161.48	80.7	0.499	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.53e4	1.04	NO	0.697	10.000	37.784	37.81	1.129	1.130	146.44	73.2	0.638	
24	24 13C-OCDD	1.04e5	0.89	NO	0.579	10.000	40.809	41.08	1.219	1.228	281.84	70.5	0.699	
25	25 13C-2,3,7,8-TCDF	1.46e5	0.77	NO	1.13	10.000	25.275	25.30	0.990	0.991	139.93	70.0	0.542	
26	26 13C-1,2,3,7,8-PeCDF	1.39e5	1.65	NO	0.996	10.000	29.506	29.46	1.156	1.154	151.37	75.7	0.389	
27	27 13C-2,3,4,7,8-PeCDF	1.37e5	1.66	NO	0.969	10.000	30.407	30.35	1.191	1.189	152.62	76.3	0.400	
28	28 13C-1,2,3,4,7,8-HxCDF	1.06e5	0.50	NO	1.06	10.000	33.065	33.06	0.988	0.988	156.18	78.1	0.662	
29	29 13C-1,2,3,6,7,8-HxCDF	1.10e5	0.51	NO	1.18	10.000	33.199	33.18	0.992	0.991	145.57	72.8	0.596	
30	30 13C-2,3,4,6,7,8-HxCDF	9.87e4	0.50	NO	1.06	10.000	33.771	33.76	1.009	1.009	145.91	73.0	0.663	
31	31 13C-1,2,3,7,8,9-HxCDF	8.94e4	0.50	NO	0.879	10.000	34.672	34.72	1.036	1.037	158.81	79.4	0.796	

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

Last Altered: Thursday, June 04, 2020 15:08:46 Pacific Daylight Time
Printed: Thursday, June 04, 2020 15:11:05 Pacific Daylight Time

Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-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	8.06e4	0.43	NO	0.893	10.000	36.378	36.55	1.087	1.092	141.12	70.6	0.628	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.01e4	0.42	NO	0.613	10.000	38.386	38.36	1.147	1.146	153.18	76.6	0.914	
34	34 13C-OCDF	1.30e5	0.86	NO	0.741	10.000	40.963	41.30	1.224	1.234	274.49	68.6	0.503	
35	35 37Cl-2,3,7,8-TCDD	4.00e4			1.18	10.000	26.192	26.11	1.026	1.023	52.199	65.2	0.0813	
36	36 13C-1,2,3,4-TCDD	1.30e5	0.80	NO	1.00	10.000	25.480	25.53	1.000	1.000	200.00	100	0.576	
37	37 13C-1,2,3,4-TCDF	1.85e5	0.77	NO	1.00	10.000	24.020	24.06	1.000	1.000	200.00	100	0.611	
38	38 13C-1,2,3,4,6,9-HxCDF	1.28e5	0.50	NO	1.00	10.000	33.530	33.47	1.000	1.000	200.00	100	0.700	
39	39 Total Tetra-Dioxins				0.987	10.000	24.620		0.000				0.0955	
40	40 Total Penta-Dioxins				0.982	10.000	29.960		0.000				0.0614	
41	41 Total Hexa-Dioxins				1.04	10.000	33.635		0.000				0.0889	
42	42 Total Hepta-Dioxins				0.992	10.000	37.640		0.000				0.0762	
43	43 Total Tetra-Furans				0.882	10.000	23.610		0.000				0.0481	
44	44 1st Func. Penta-Furans				1.05	10.000	27.090		0.000				0.0187	
45	45 Total Penta-Furans				1.05	10.000	29.275		0.000				0.0245	
46	46 Total Hexa-Furans				1.11	10.000	33.555		0.000				0.0452	
47	47 Total Hepta-Furans				1.13	10.000	37.835		0.000				0.0532	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

Last Altered: Thursday, June 04, 2020 15:08:46 Pacific Daylight Time

Printed: Thursday, June 04, 2020 15:11:05 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

Last Altered: Thursday, June 04, 2020 15:08:46 Pacific Daylight Time

Printed: Thursday, June 04, 2020 15:11:05 Pacific Daylight Time

Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

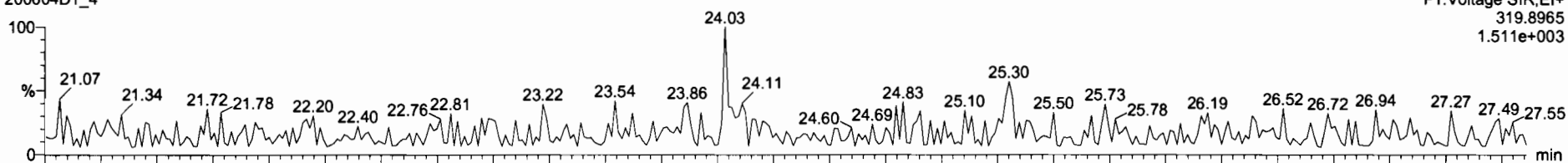
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Printed: Thursday, June 04, 2020 15:10:09 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

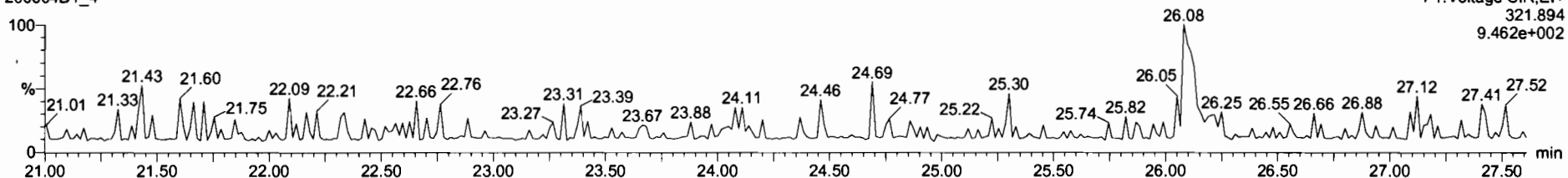
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2,3,7,8-TCDD

200604D1_4

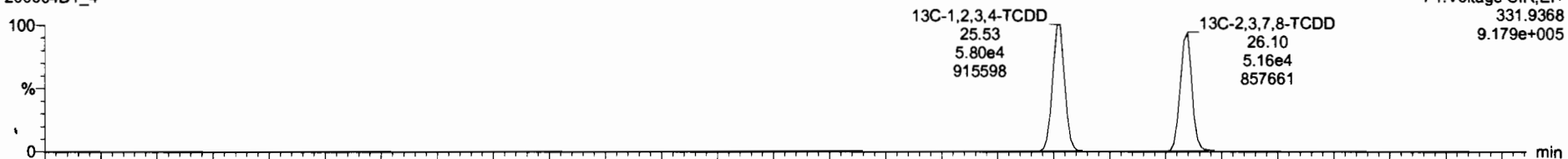


200604D1_4

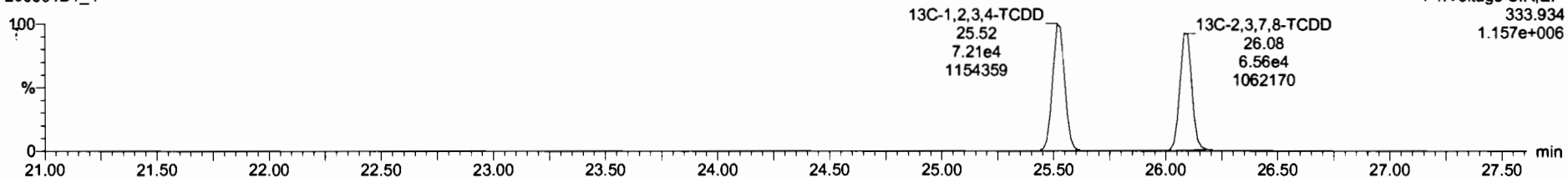


13C-2,3,7,8-TCDD

200604D1_4



200604D1_4

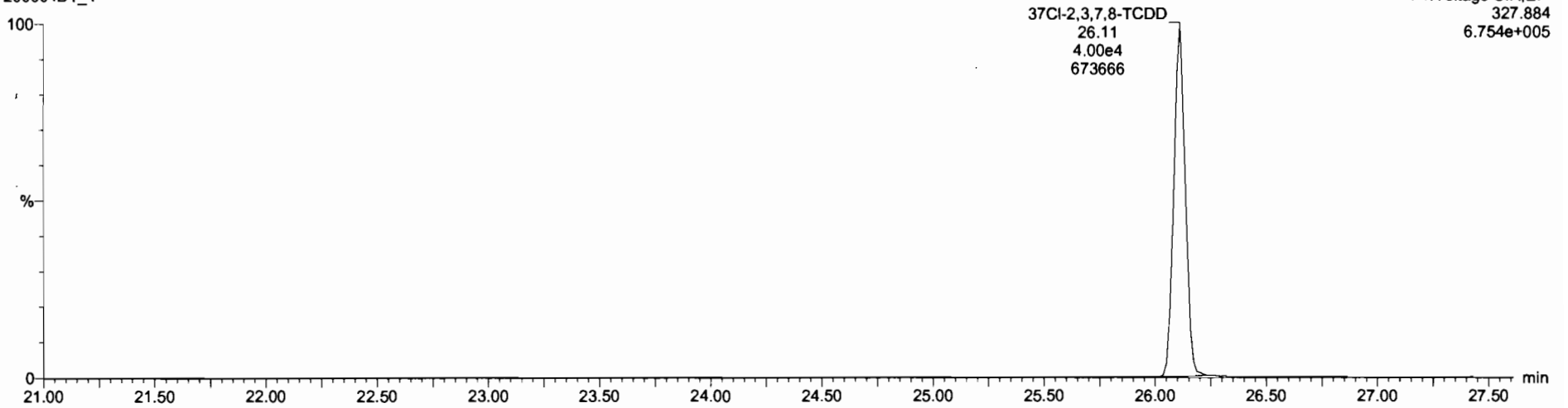


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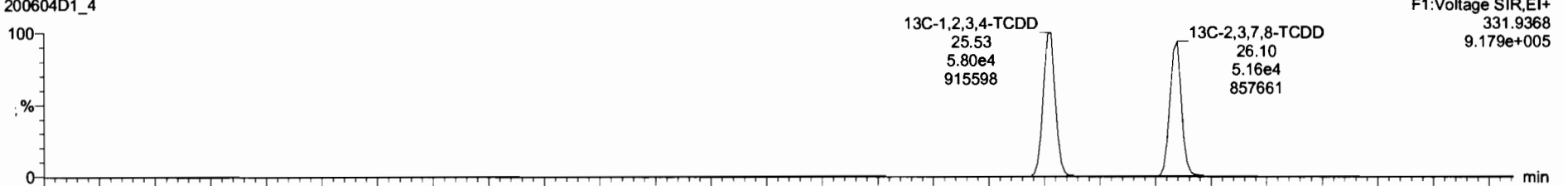
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Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-BLK1 Method Blank 10, Description: Method Blank

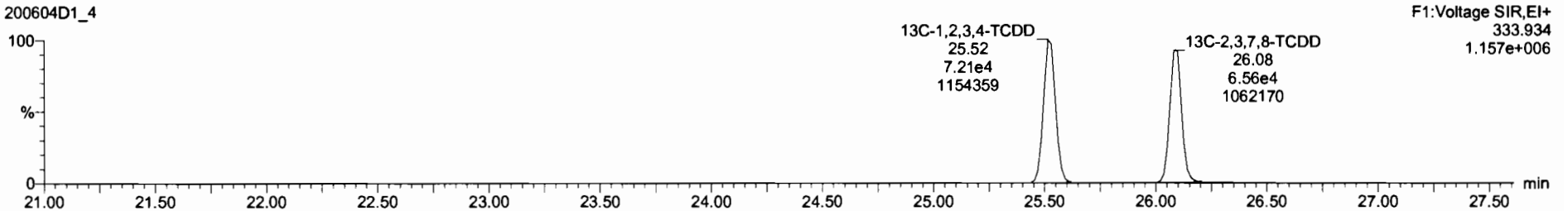
37Cl-2,3,7,8-TCDD
200604D1_4



13C-1,2,3,4-TCDD
200604D1_4



200604D1_4



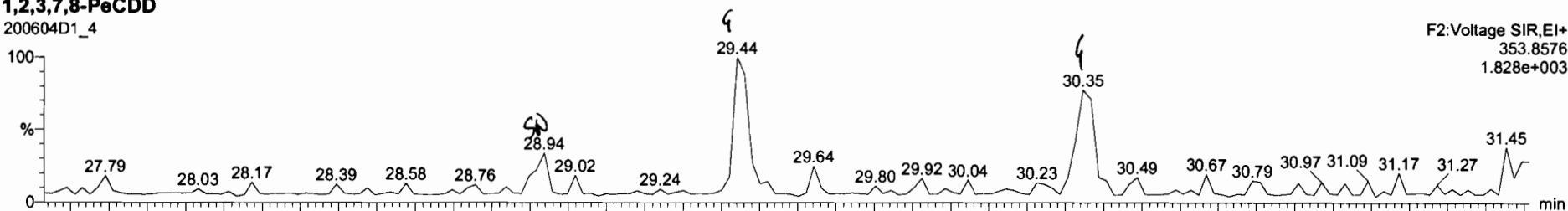
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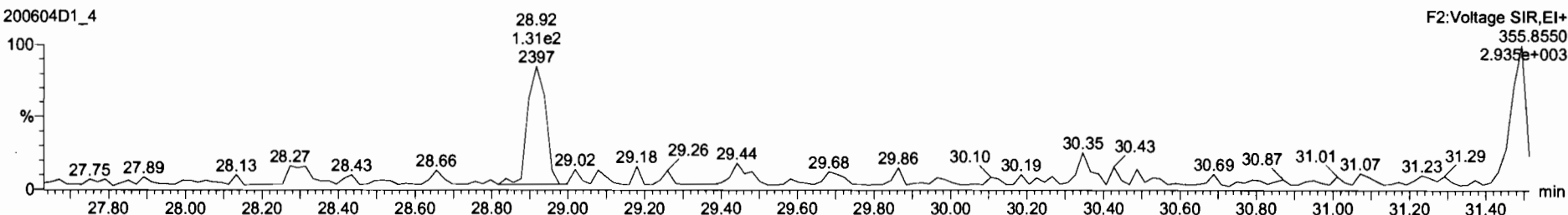
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1,2,3,7,8-PeCDD

200604D1_4

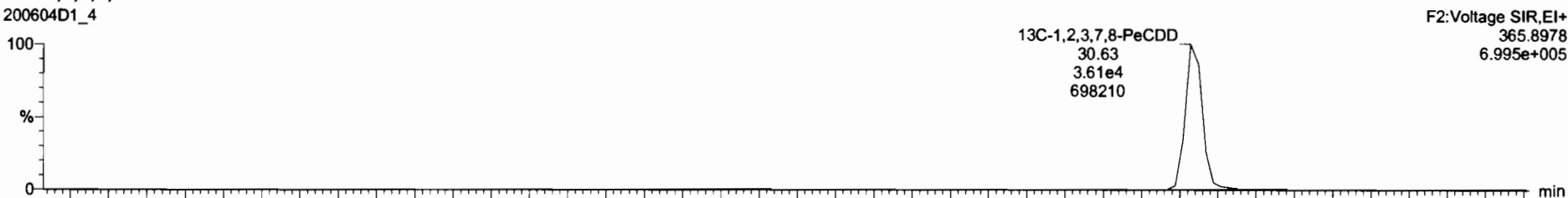


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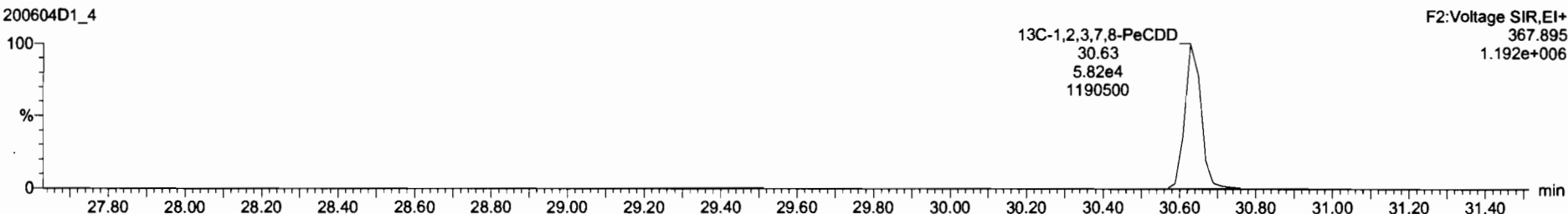


13C-1,2,3,7,8-PeCDD

200604D1_4



200604D1_4



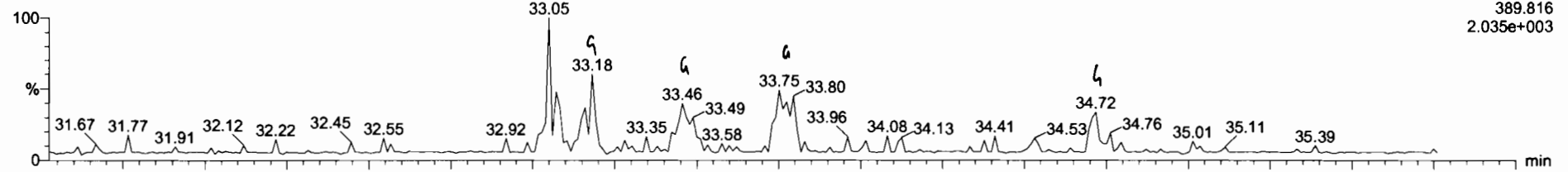
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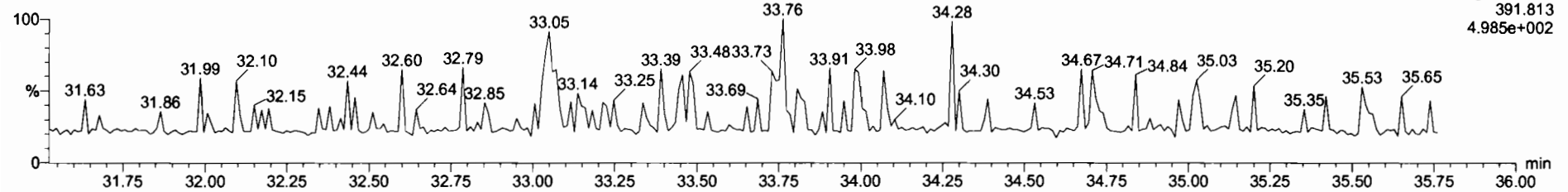
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1,2,3,4,7,8-HxCDD

200604D1_4

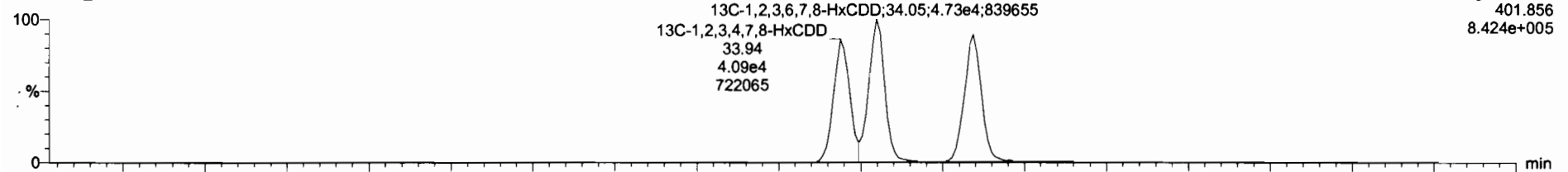


200604D1_4

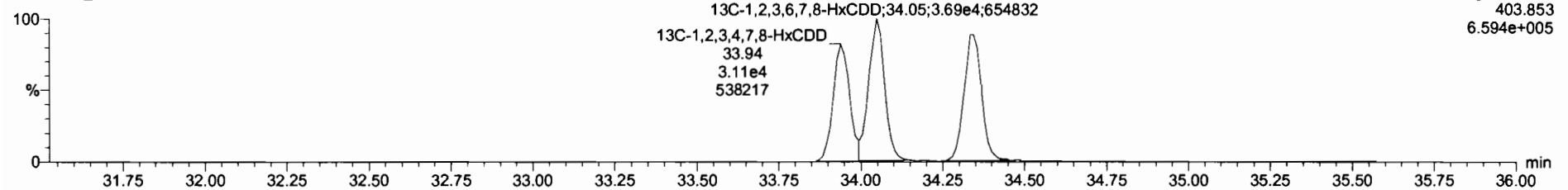


13C-1,2,3,4,7,8-HxCDD

200604D1_4



200604D1_4



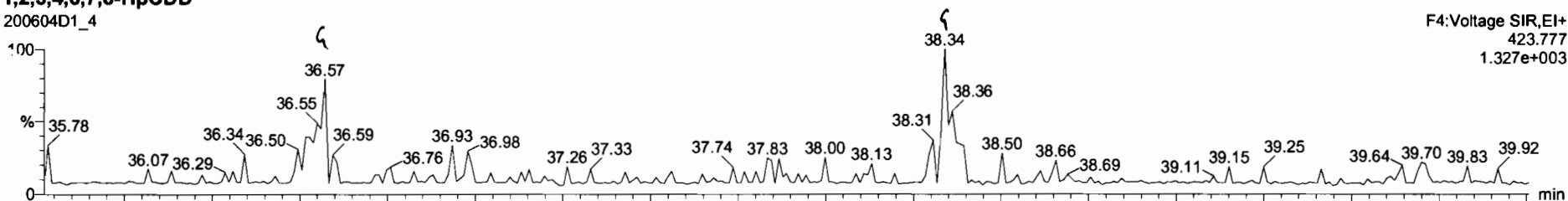
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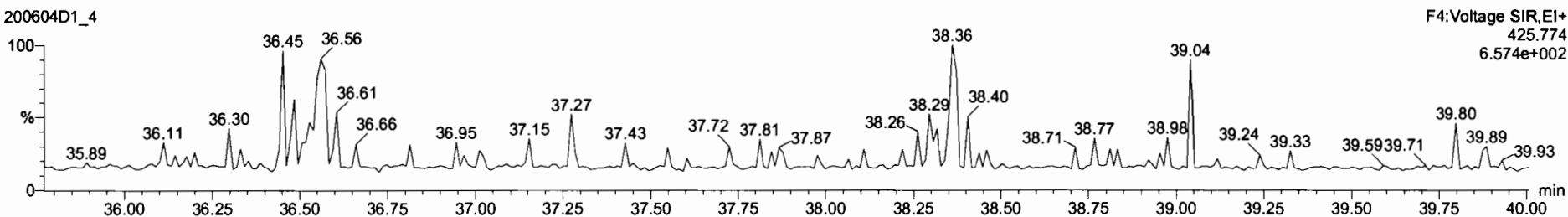
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1,2,3,4,6,7,8-HpCDD

200604D1_4

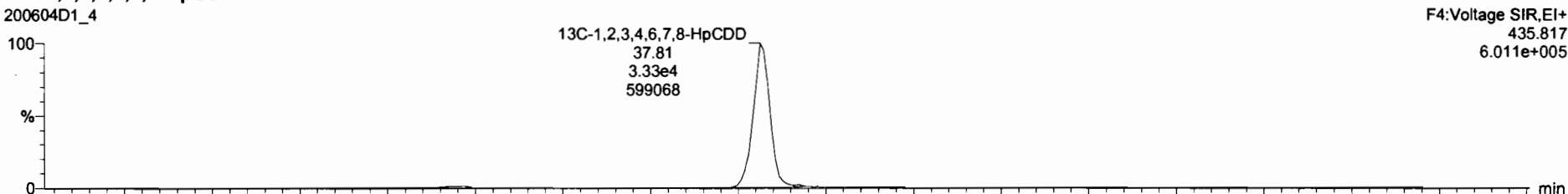


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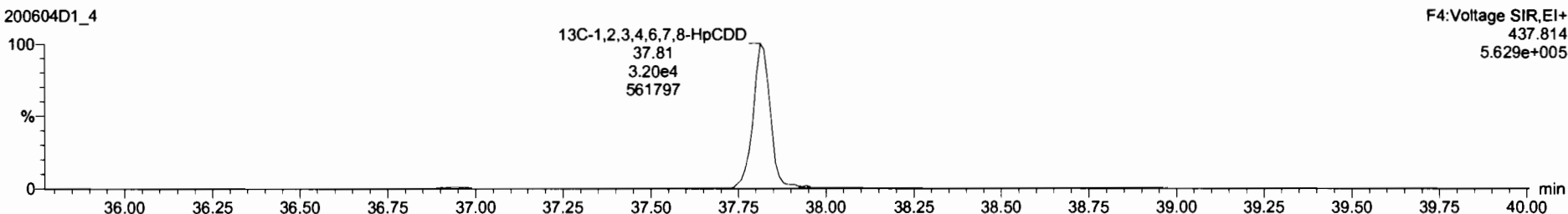


13C-1,2,3,4,6,7,8-HpCDD

200604D1_4



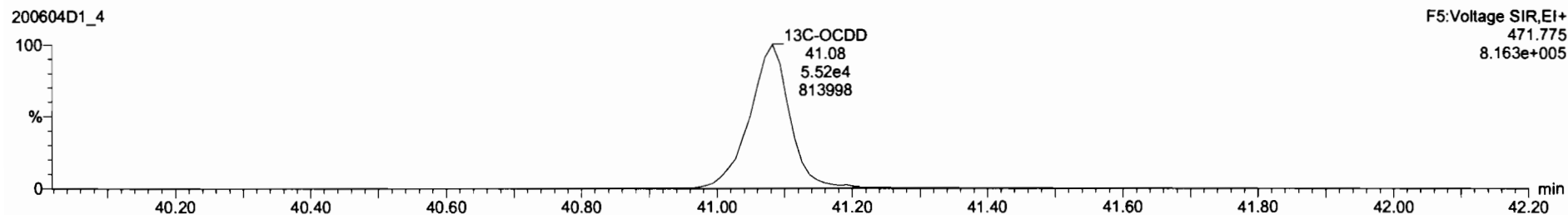
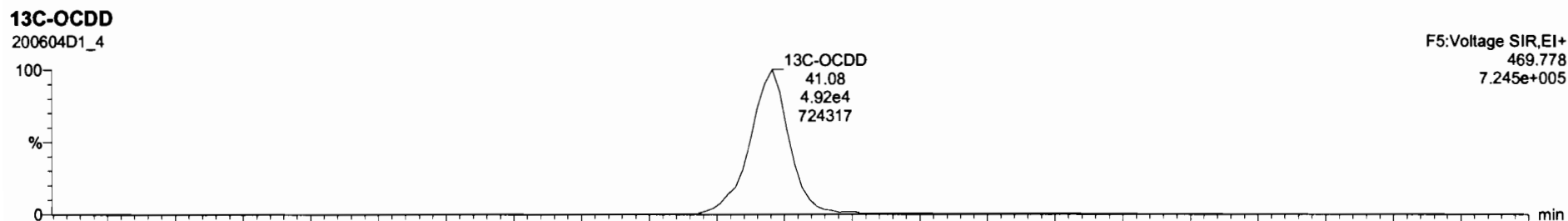
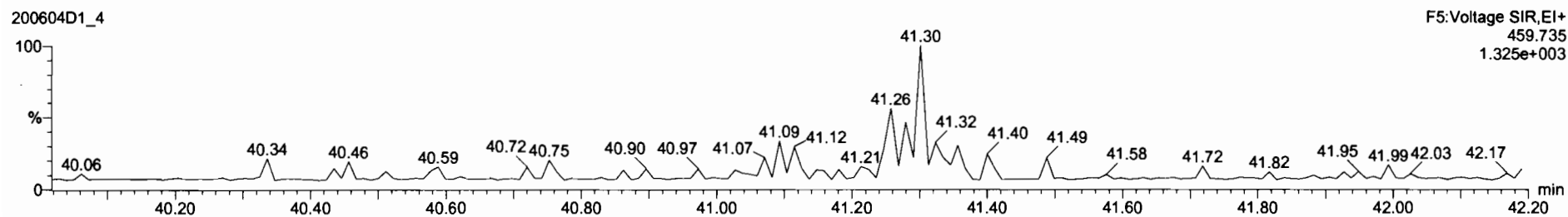
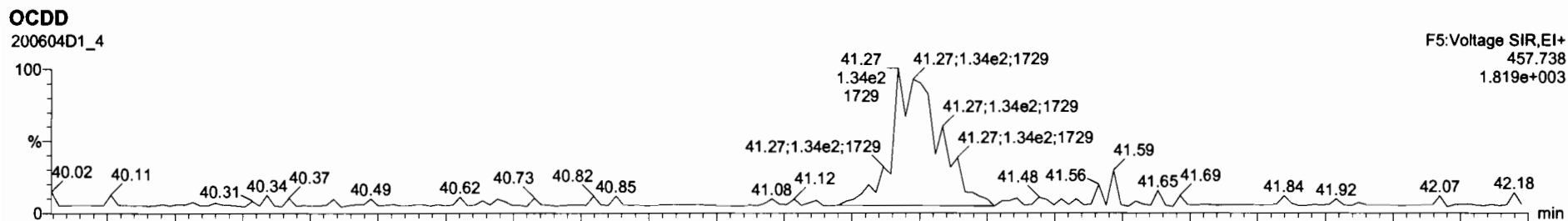
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Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

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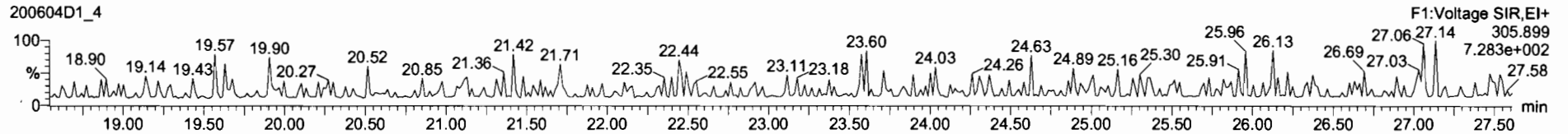
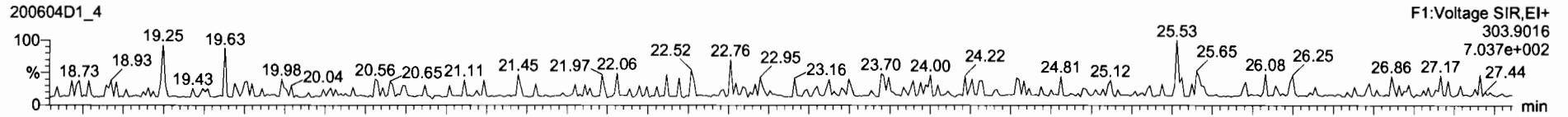


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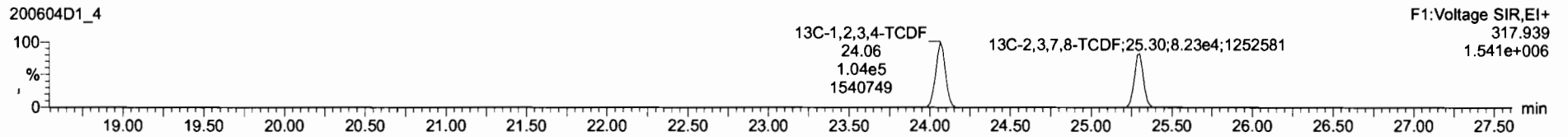
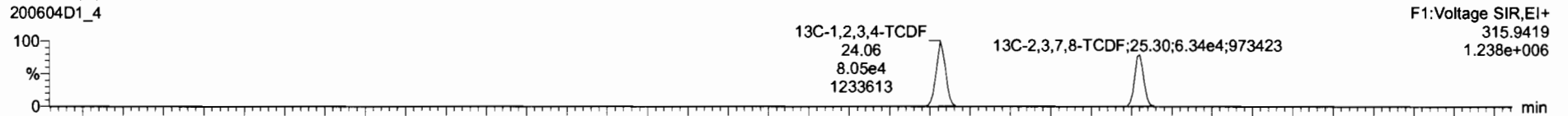
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Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-BLK1 Method Blank 10, Description: Method Blank

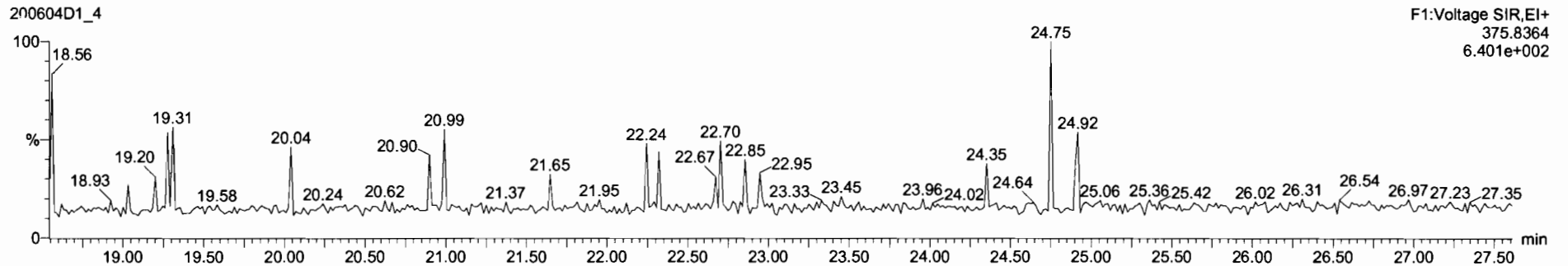
2,3,7,8-TCDF



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



DPE1

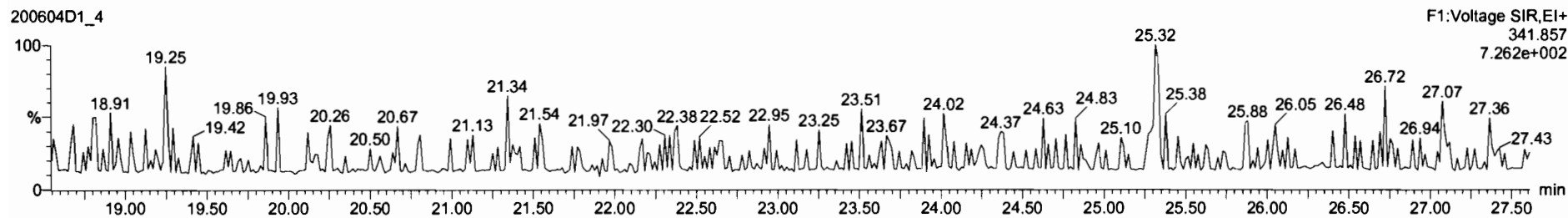
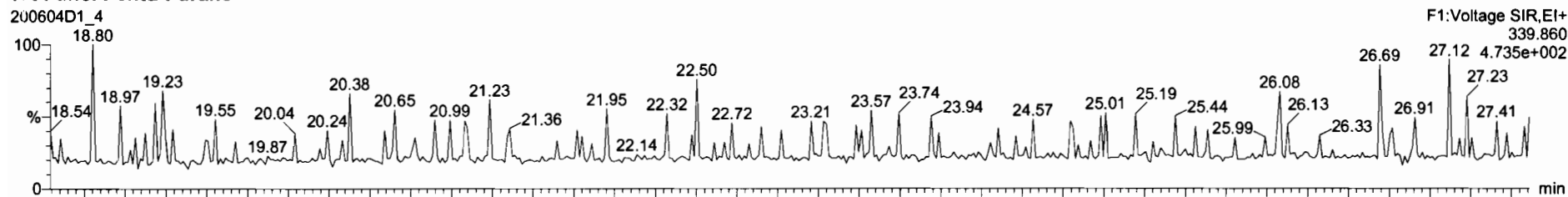


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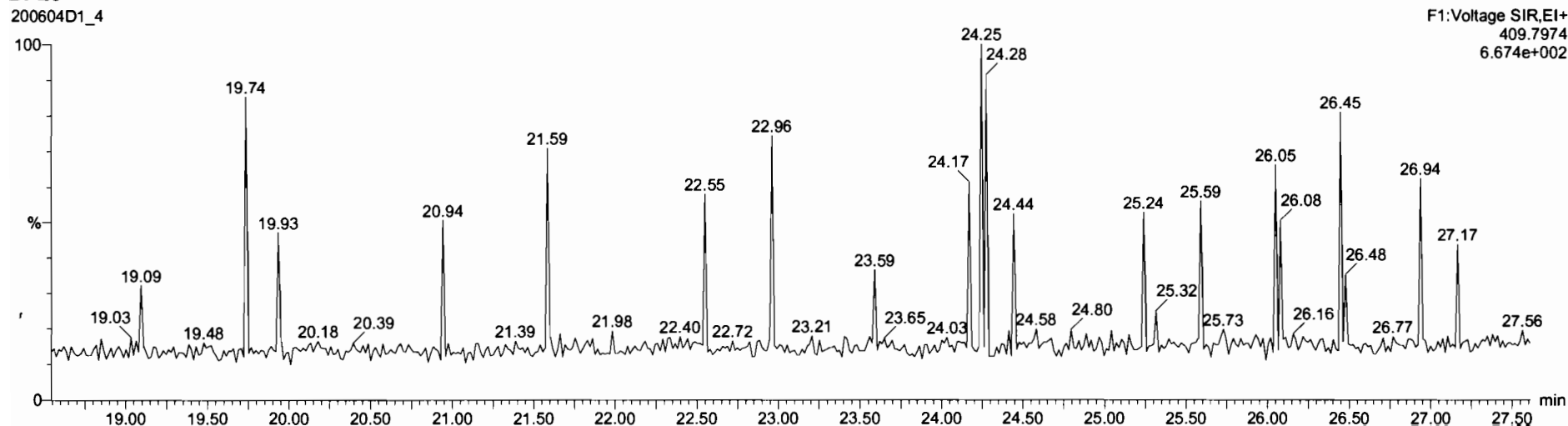
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Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans



DPE6



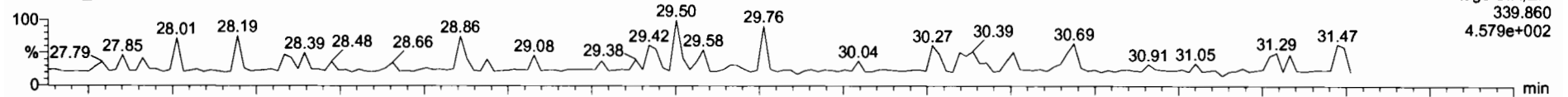
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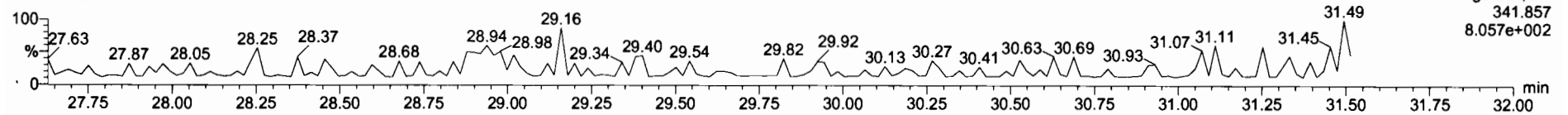
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1,2,3,7,8-PeCDF

200604D1_4

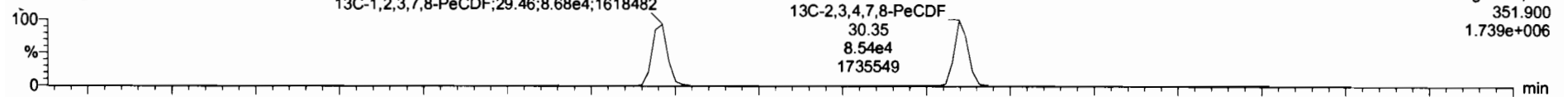


200604D1_4

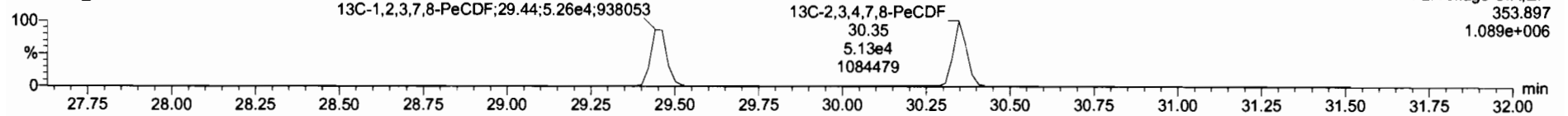


13C-1,2,3,7,8-PeCDF

200604D1_4

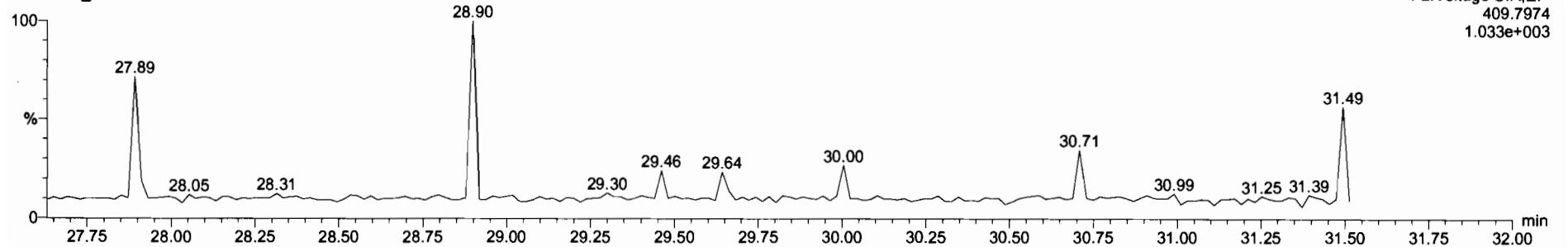


200604D1_4



DPE2

200604D1_4

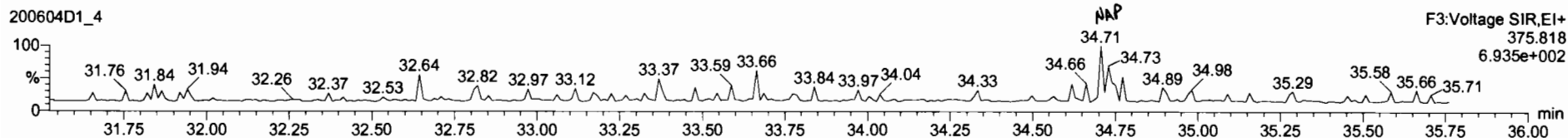
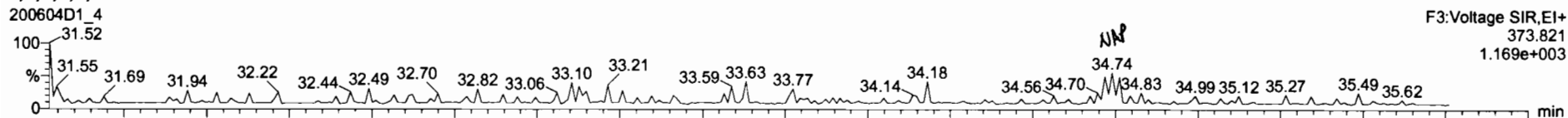


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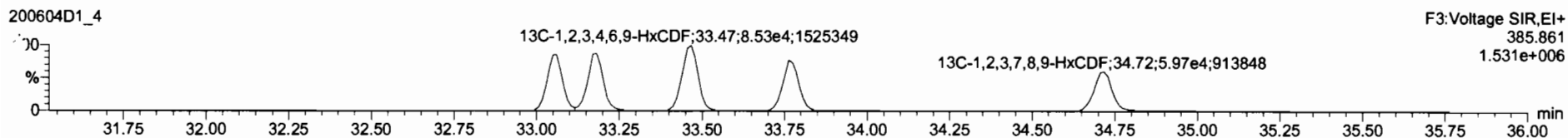
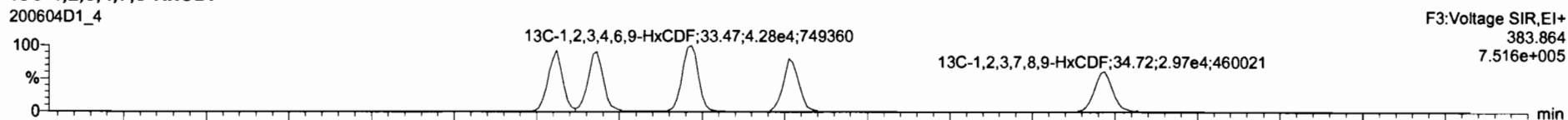
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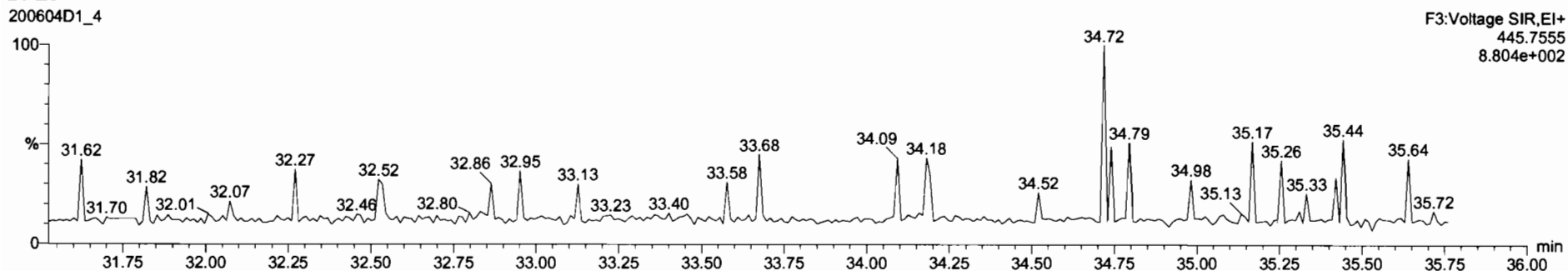
1,2,3,4,7,8-HxCDF



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



DPE3



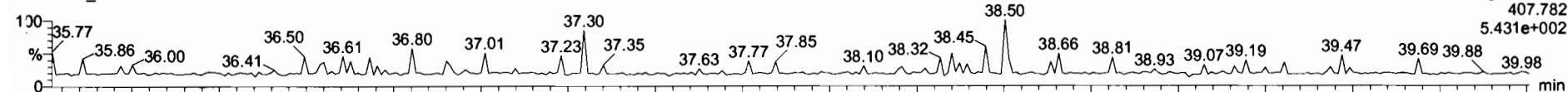
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Printed: Thursday, June 04, 2020 15:10:09 Pacific Daylight Time

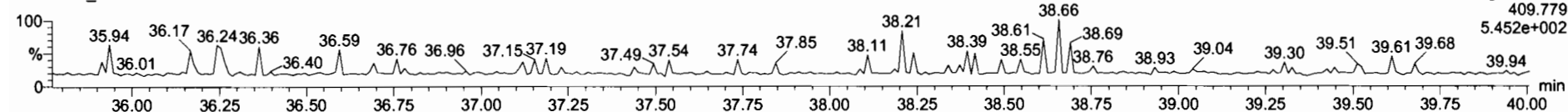
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1,2,3,4,6,7,8-HpCDF

200604D1_4

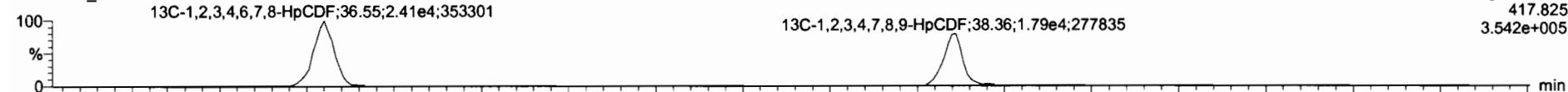


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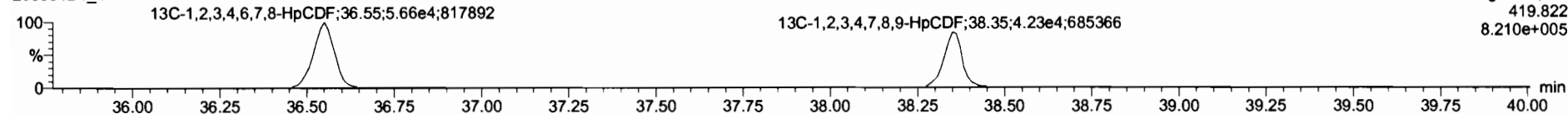


13C-1,2,3,4,6,7,8-HpCDF

200604D1_4

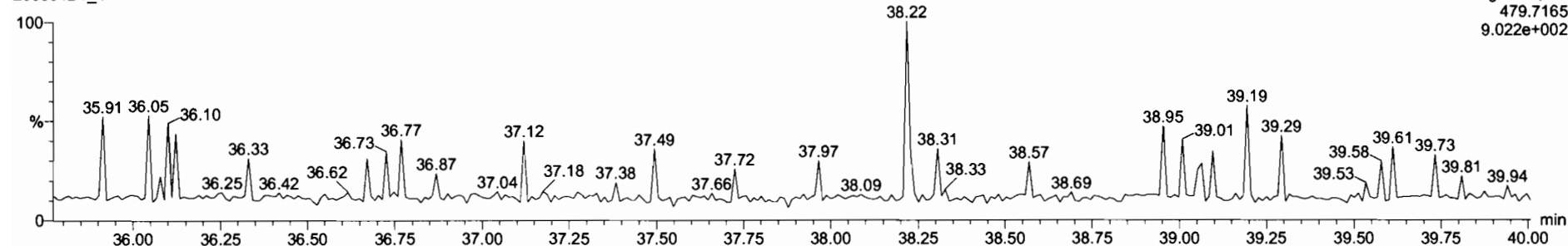


200604D1_4



DPE4

200604D1_4

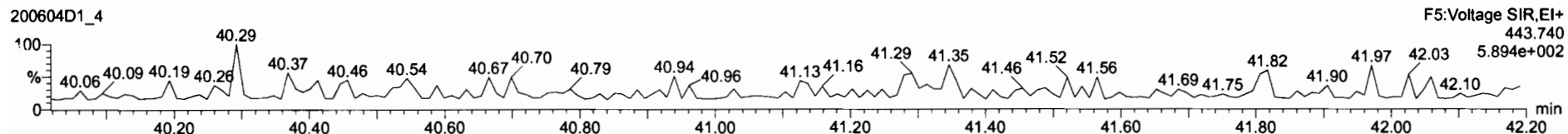
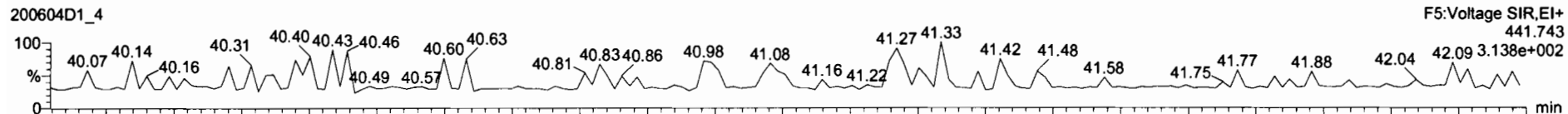


Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

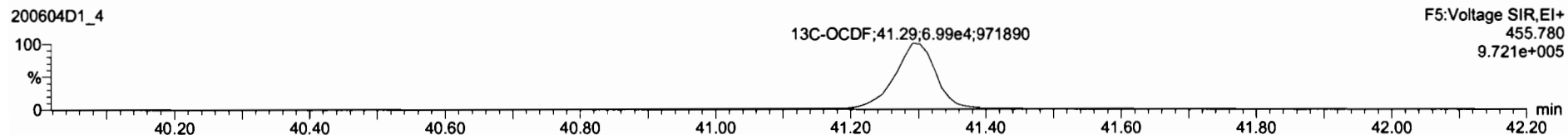
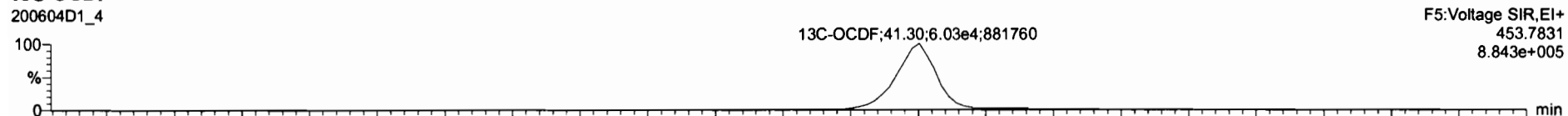
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Printed: Thursday, June 04, 2020 15:10:09 Pacific Daylight Time

Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-BLK1 Method Blank 10, Description: Method Blank

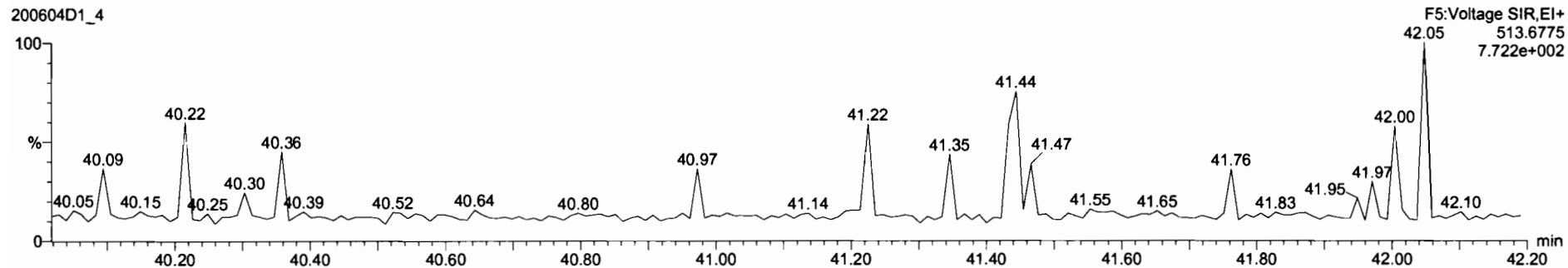
CCDF



13C-OCDF



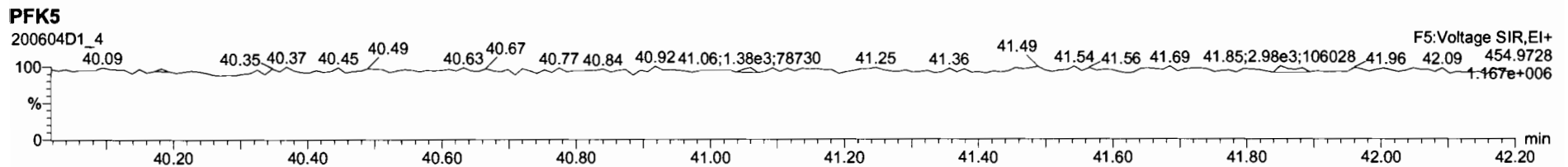
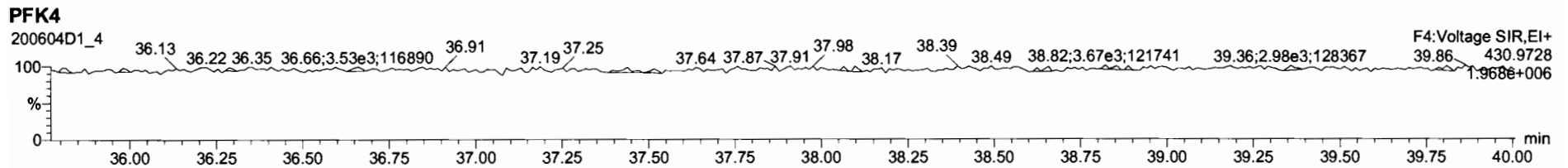
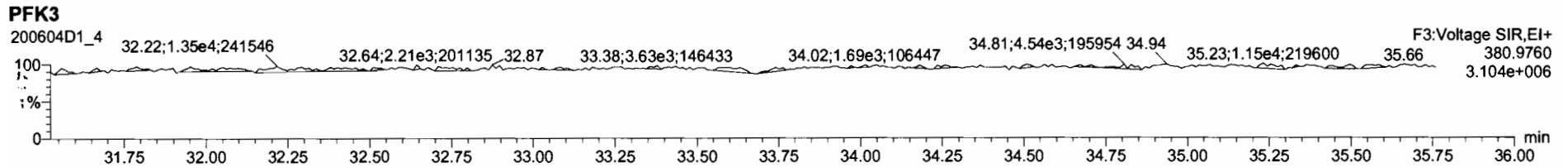
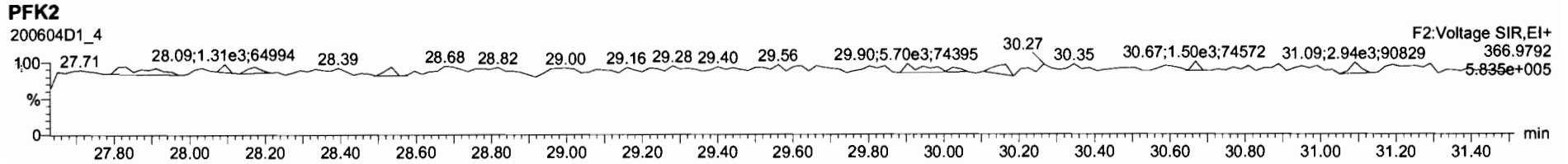
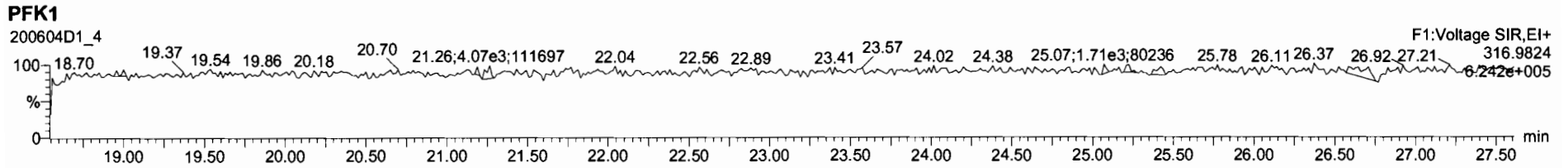
DPE5



Dataset: U:\VG7.PRO\Results\200604D1\200604D1_4.qld

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Name: 200604D1_4, Date: 04-Jun-2020, Time: 14:15:51, ID: B0E0100-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

Last Altered: Thursday, June 04, 2020 13:58:38 Pacific Daylight Time
Printed: Thursday, June 04, 2020 13:59:50 Pacific Daylight Time

DB 6/4/20 C7 06/09/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\ldb-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200604D1_2, Date: 04-Jun-2020, Time: 12:45:31, ID: B0E0100-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	7.48e3	0.77	NO	0.987	10.000	26.112	26.11	1.001	1.001	15.674	78.4 <i>67-158</i>	0.299	15.7
2	2 1,2,3,7,8-PeCDD	3.39e4	0.59	NO	0.982	10.000	30.670	30.65	1.001	1.000	84.598	84.6 <i>70-142</i>	0.231	84.6
3	3 1,2,3,4,7,8-HxCDD	3.22e4	1.24	NO	1.17	10.000	33.960	33.96	1.000	1.000	88.671	88.7 <i>70-164</i>	0.287	88.7
4	4 1,2,3,6,7,8-HxCDD	3.18e4	1.24	NO	1.04	10.000	34.060	34.07	1.000	1.000	87.656	87.7 <i>76-134</i>	0.280	87.7
5	5 1,2,3,7,8,9-HxCDD	3.21e4	1.24	NO	1.00	10.000	34.379	34.37	1.001	1.001	89.388	89.4 <i>64-162</i>	0.316	89.4
6	6 1,2,3,4,6,7,8-HpCDD	2.74e4	1.03	NO	0.992	10.000	37.824	37.83	1.000	1.001	90.199	90.2 <i>70-140</i>	0.466	90.2
7	7 OCDD	4.43e4	0.86	NO	1.04	10.000	41.082	41.09	1.000	1.000	173.21	86.6 <i>78-144</i>	0.468	173
8	8 2,3,7,8-TCDF	8.77e3	0.77	NO	0.882	10.000	25.311	25.32	1.001	1.001	16.965	84.8 <i>75-158</i>	0.194	17.0
9	9 1,2,3,7,8-PeCDF	4.92e4	1.55	NO	1.05	10.000	29.482	29.46	1.001	1.000	80.746	80.7 <i>80-134</i>	0.178	80.7
10	10 2,3,4,7,8-PeCDF	5.08e4	1.63	NO	1.06	10.000	30.397	30.37	1.001	1.000	83.706	83.7 <i>68-160</i>	0.181	83.7
11	11 1,2,3,4,7,8-HxCDF	4.31e4	1.24	NO	1.08	10.000	33.061	33.08	1.000	1.001	91.761	91.8 <i>72-134</i>	0.312	91.8
12	12 1,2,3,6,7,8-HxCDF	4.41e4	1.25	NO	1.04	10.000	33.203	33.20	1.000	1.000	95.194	95.2 <i>84-130</i>	0.337	95.2
13	13 2,3,4,6,7,8-HxCDF	4.47e4	1.25	NO	1.11	10.000	33.808	33.80	1.001	1.001	96.189	96.2 <i>70-156</i>	0.346	96.2
14	14 1,2,3,7,8,9-HxCDF	3.73e4	1.26	NO	1.06	10.000	34.718	34.74	1.000	1.001	92.728	92.7 <i>78-130</i>	0.447	92.7
15	15 1,2,3,4,6,7,8-HpCDF	3.46e4	1.03	NO	1.13	10.000	36.587	36.57	1.001	1.001	87.829	87.8 <i>82-122</i>	0.514	87.8
16	16 1,2,3,4,7,8,9-HpCDF	3.23e4	1.03	NO	1.33	10.000	38.350	38.37	1.000	1.001	90.360	90.4 <i>78-138</i>	0.458	90.4
17	17 OCDF	5.29e4	0.88	NO	0.933	10.000	41.302	41.31	1.000	1.000	190.76	95.4 <i>63-170</i>	0.394	191
18	18 13C-2,3,7,8-TCDD	9.67e4	0.77	NO	1.21	10.000	26.179	26.08	1.026	1.022	143.43	71.7 <i>20-175</i>	0.582	
19	19 13C-1,2,3,7,8-PeCDD	8.15e4	0.64	NO	0.996	10.000	30.669	30.65	1.202	1.201	146.46	73.2 <i>21-227</i>	0.444	
20	20 13C-1,2,3,4,7,8-HxCDD	6.19e4	1.31	NO	0.679	10.000	33.936	33.95	1.014	1.014	175.22	87.6 <i>21-193</i>	0.674	
21	21 13C-1,2,3,6,7,8-HxCDD	7.00e4	1.27	NO	0.850	10.000	34.046	34.06	1.017	1.018	158.16	79.1 <i>25-163</i>	0.538	
22	22 13C-1,2,3,7,8,9-HxCDD	7.15e4	1.29	NO	0.798	10.000	34.317	34.35	1.025	1.026	172.06	86.0 <i>21-193</i>	0.573	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.13e4	1.06	NO	0.697	10.000	37.784	37.81	1.129	1.130	169.05	84.5 <i>26-166</i>	0.789	
24	24 13C-OCDD	9.89e4	0.87	NO	0.579	10.000	40.810	41.08	1.219	1.228	327.98	82.0 <i>13-195</i>	0.627	
25	25 13C-2,3,7,8-TCDF	1.17e5	0.79	NO	1.13	10.000	25.260	25.29	0.990	0.991	135.59	67.8 <i>22-152</i>	0.960	
26	26 13C-1,2,3,7,8-PeCDF	1.16e5	1.62	NO	0.996	10.000	29.488	29.46	1.156	1.155	152.40	76.2 <i>21-192</i>	0.485	
27	27 13C-2,3,4,7,8-PeCDF	1.15e5	1.67	NO	0.969	10.000	30.389	30.37	1.191	1.190	154.06	77.0 <i>13-328</i>	0.499	
28	28 13C-1,2,3,4,7,8-HxCDF	8.67e4	0.50	NO	1.06	10.000	33.066	33.06	0.988	0.988	157.52	78.8 <i>19-202</i>	0.593	
29	29 13C-1,2,3,6,7,8-HxCDF	8.89e4	0.49	NO	1.18	10.000	33.199	33.19	0.992	0.992	145.24	72.6 <i>21-159</i>	0.534	
30	30 13C-2,3,4,6,7,8-HxCDF	8.36e4	0.49	NO	1.06	10.000	33.772	33.77	1.009	1.009	151.91	76.0 <i>22-176</i>	0.593	
31	31 13C-1,2,3,7,8,9-HxCDF	7.61e4	0.50	NO	0.879	10.000	34.672	34.72	1.036	1.037	166.24	83.1 <i>17-205</i>	0.713	

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

Last Altered: Thursday, June 04, 2020 13:58:38 Pacific Daylight Time

Printed: Thursday, June 04, 2020 13:59:50 Pacific Daylight Time

Name: 200604D1_2, Date: 04-Jun-2020, Time: 12:45:31, ID: B0E0100-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	6.99e4	0.42	NO	0.893	10.000	36.379	36.55	1.087	1.092	150.52	75.3 21 - 158	0.507	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.36e4	0.43	NO	0.613	10.000	38.387	38.35	1.147	1.146	167.77	83.9 20 - 186	0.737	
34	34 13C-OCDF	1.19e5	0.88	NO	0.741	10.000	40.964	41.30	1.224	1.234	308.04	77.0 13 - 198	0.389	
35	35 37Cl-2,3,7,8-TCDD	3.47e4			1.18	10.000	26.176	26.10	1.026	1.023	52.657	65.8 31 - 191	0.116	
36	36 13C-1,2,3,4-TCDD	1.12e5	0.79	NO	1.00	10.000	25.480	25.52	1.000	1.000	200.00	100	0.703	
37	37 13C-1,2,3,4-TCDF	1.53e5	0.78	NO	1.00	10.000	24.020	24.06	1.000	1.000	200.00	100	1.08	
38	38 13C-1,2,3,4,6,9-HxCDF	1.04e5	0.49	NO	1.00	10.000	33.530	33.47	1.000	1.000	200.00	100	0.627	

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

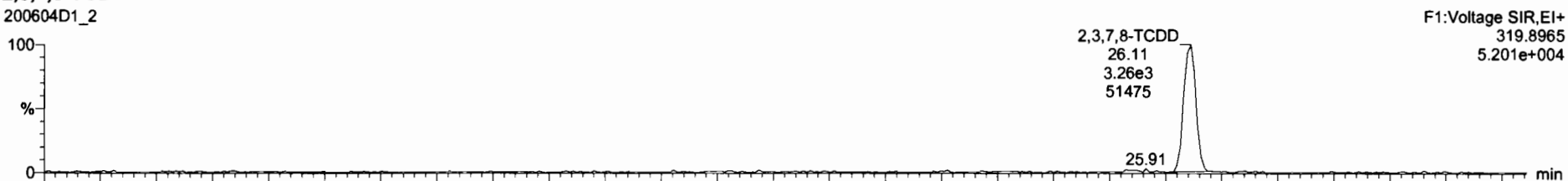
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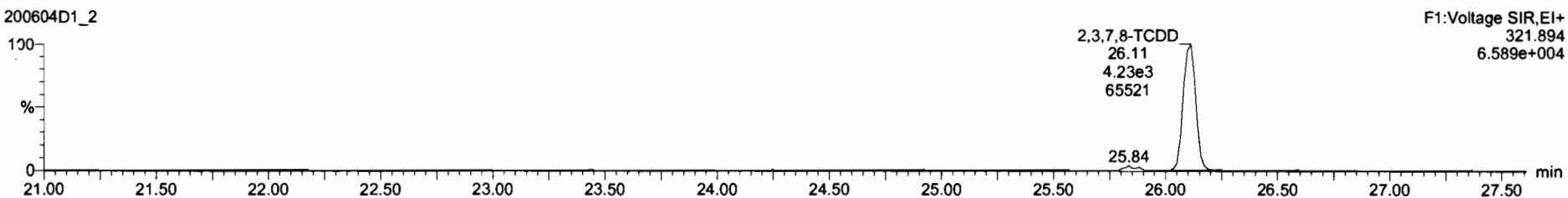
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2,3,7,8-TCDD

200604D1_2

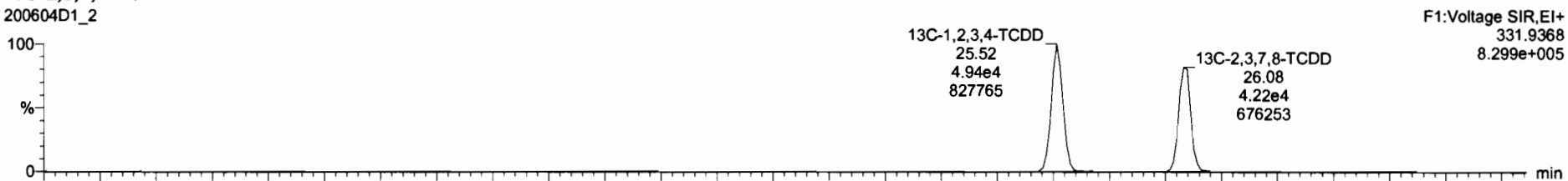


200604D1_2

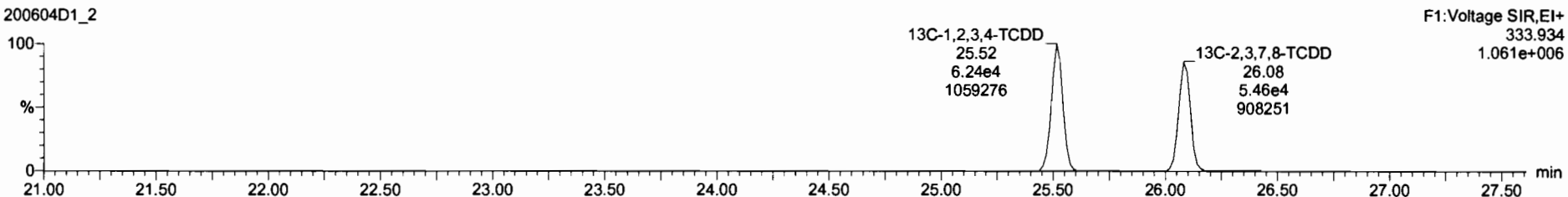


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200604D1_2



200604D1_2



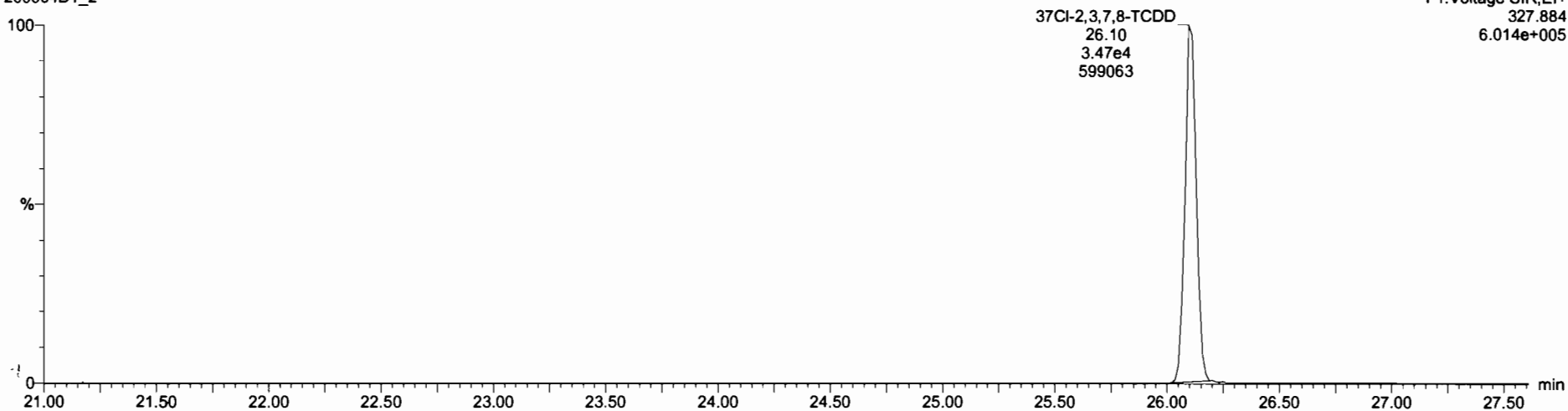
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Printed: Thursday, June 04, 2020 14:00:13 Pacific Daylight Time

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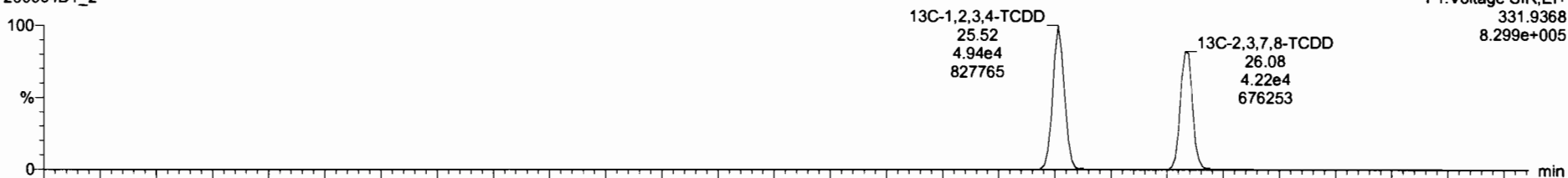
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200604D1_2

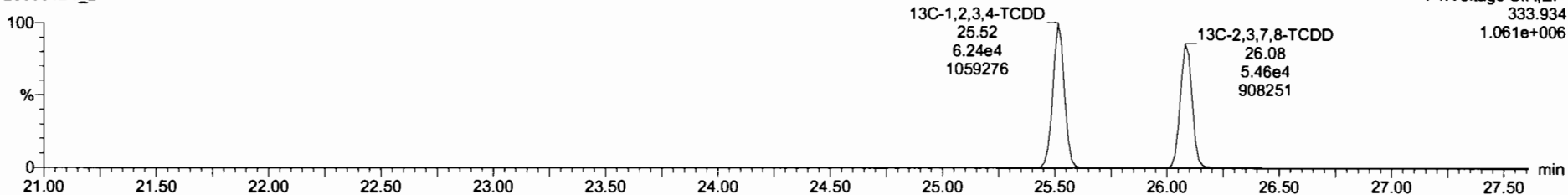


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200604D1_2



200604D1_2



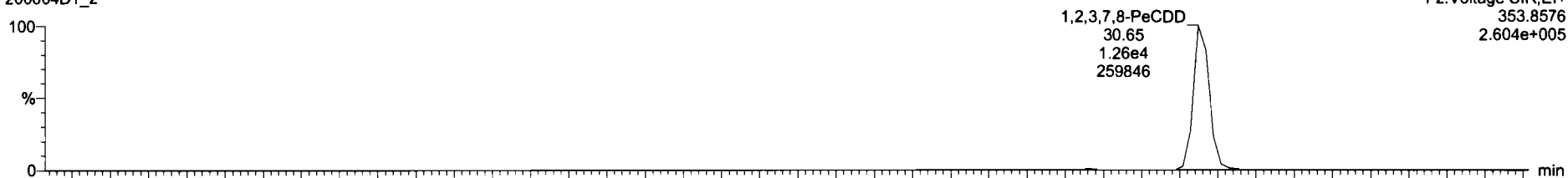
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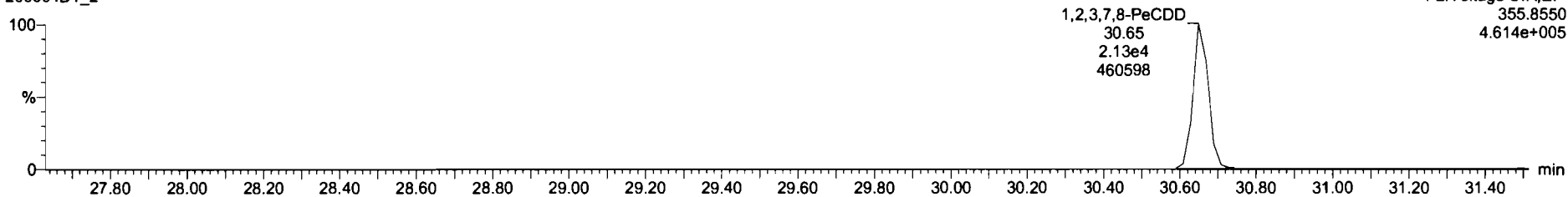
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1,2,3,7,8-PeCDD

200604D1_2

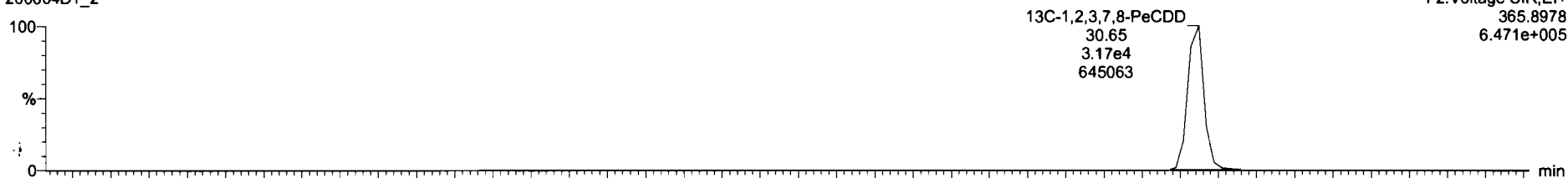


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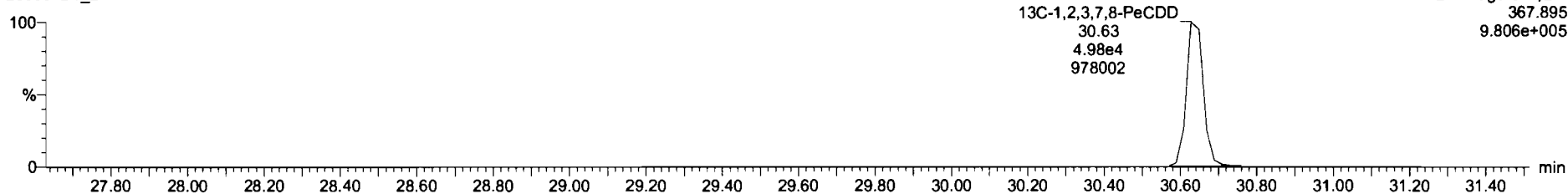


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200604D1_2



200604D1_2



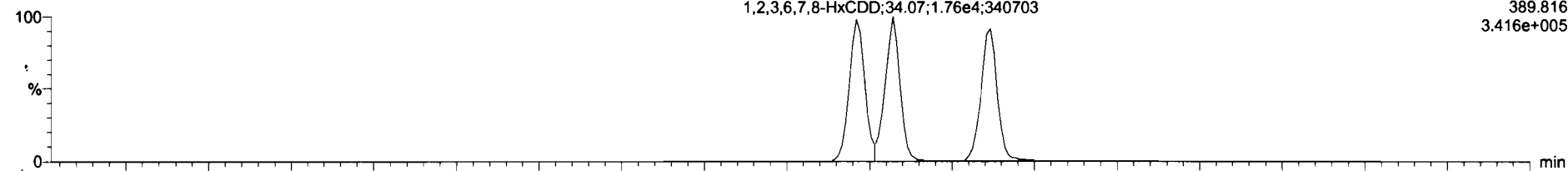
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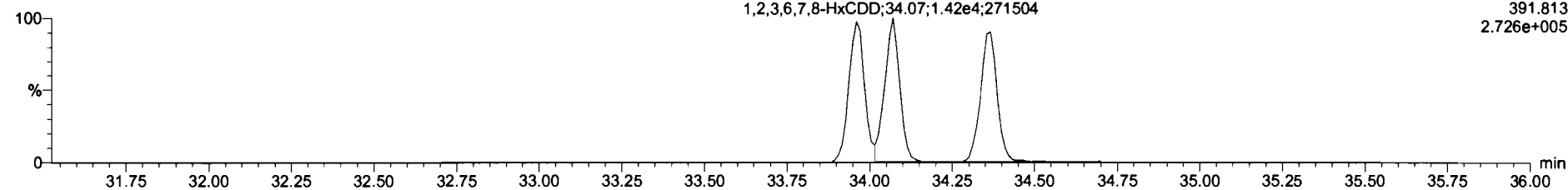
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1,2,3,4,7,8-HxCDD

200604D1_2

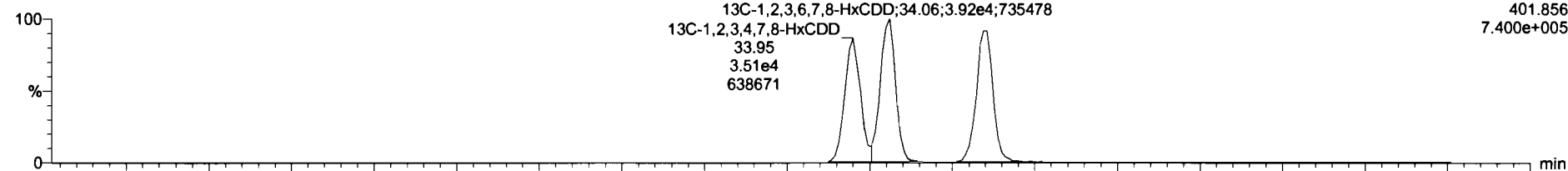


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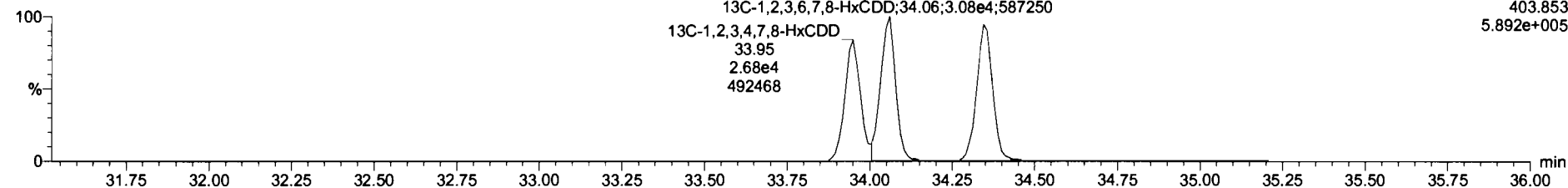


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200604D1_2



200604D1_2



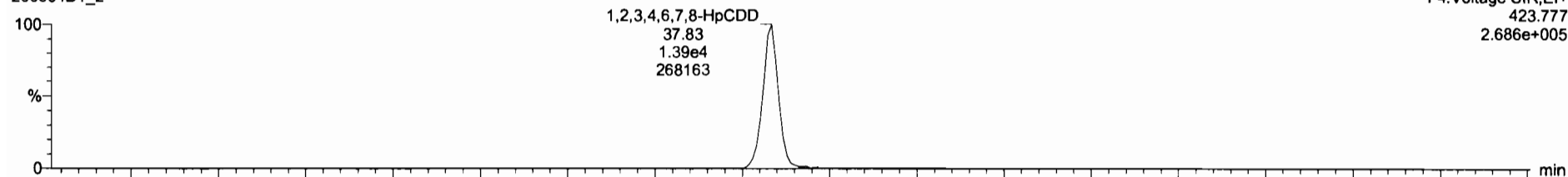
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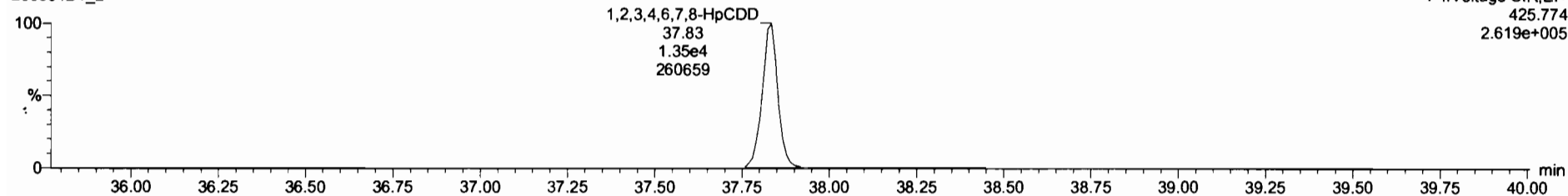
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1,2,3,4,6,7,8-HpCDD

200604D1_2

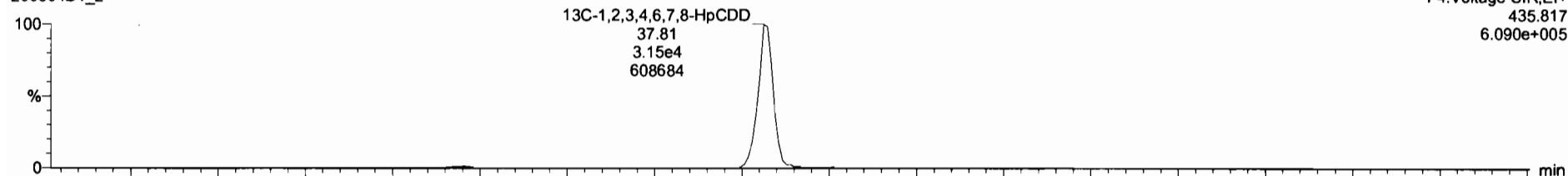


200604D1_2

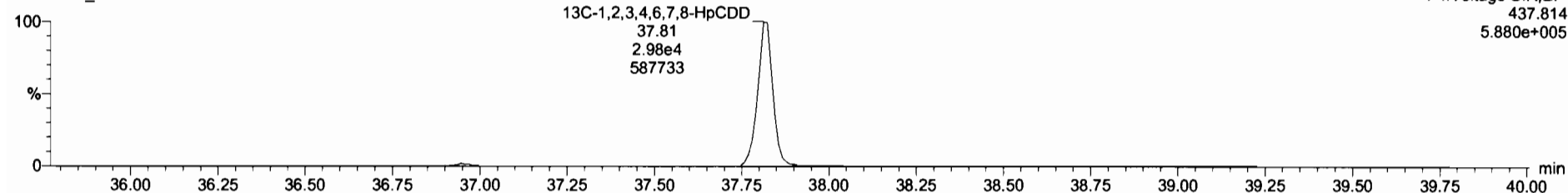


13C-1,2,3,4,6,7,8-HpCDD

200604D1_2



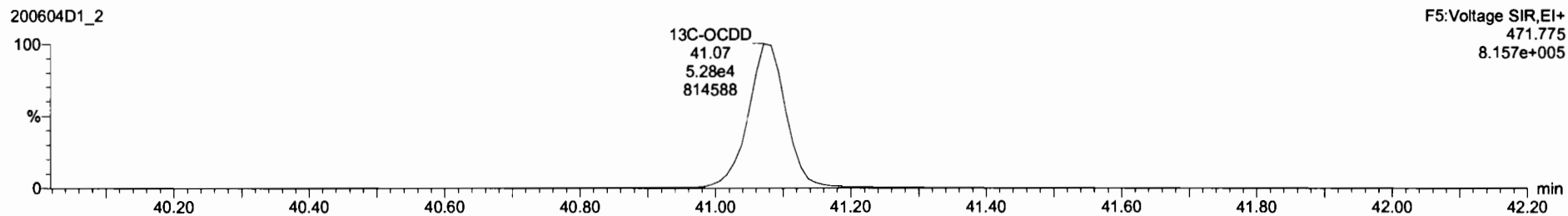
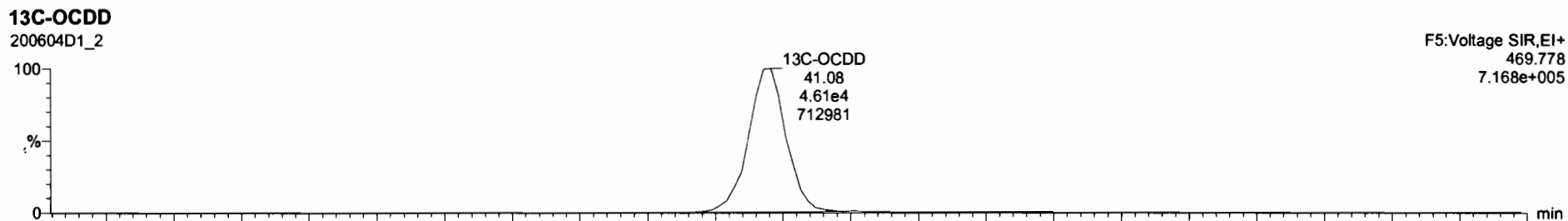
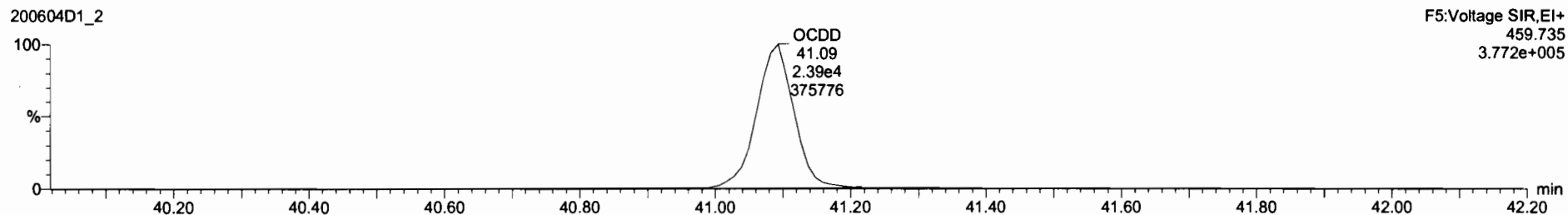
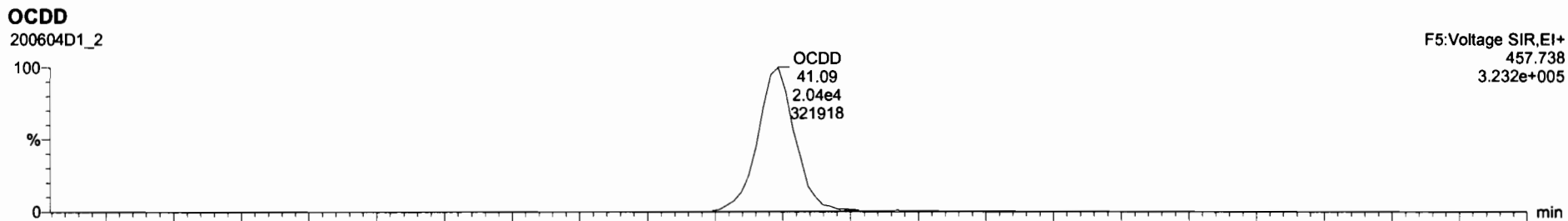
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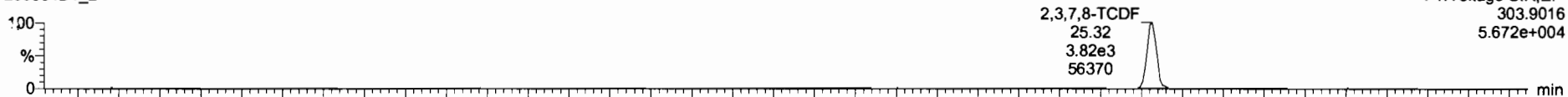
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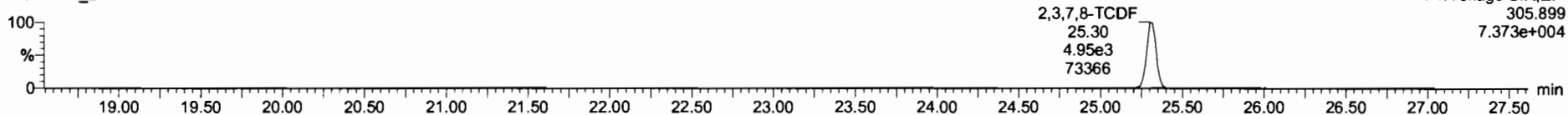
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2,3,7,8-TCDF

200604D1_2

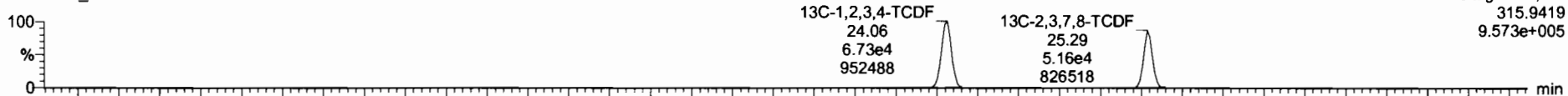


200604D1_2

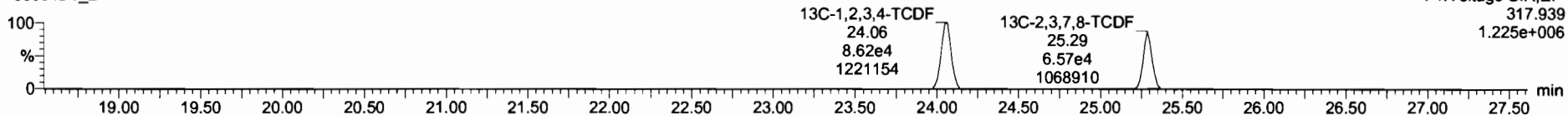


13C-2,3,7,8-TCDF

200604D1_2

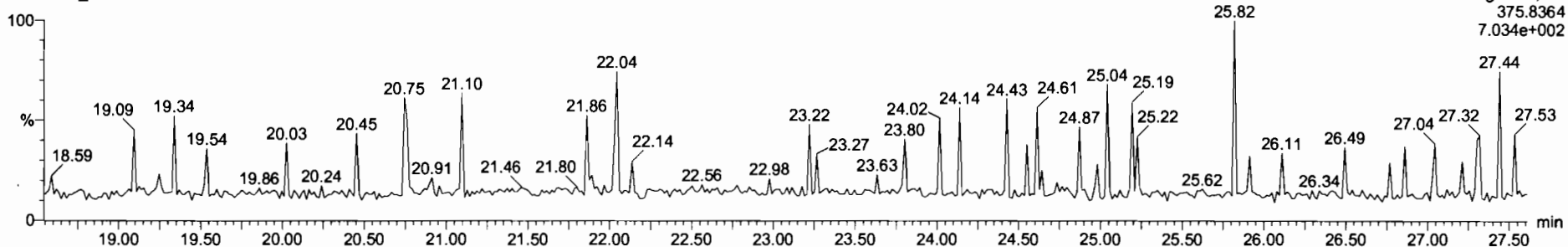


200604D1_2



DPE1

200604D1_2



Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

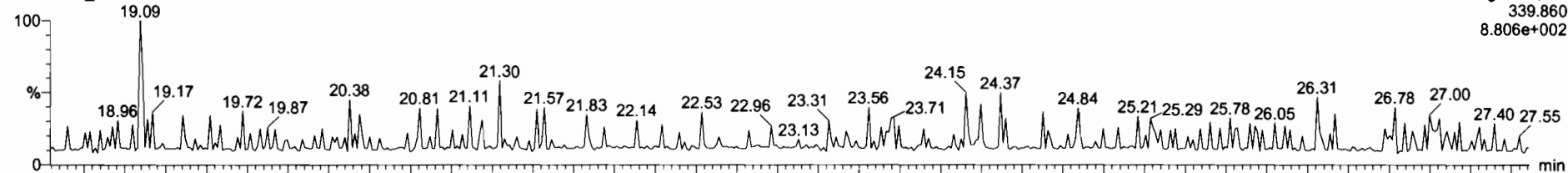
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Printed: Thursday, June 04, 2020 14:00:13 Pacific Daylight Time

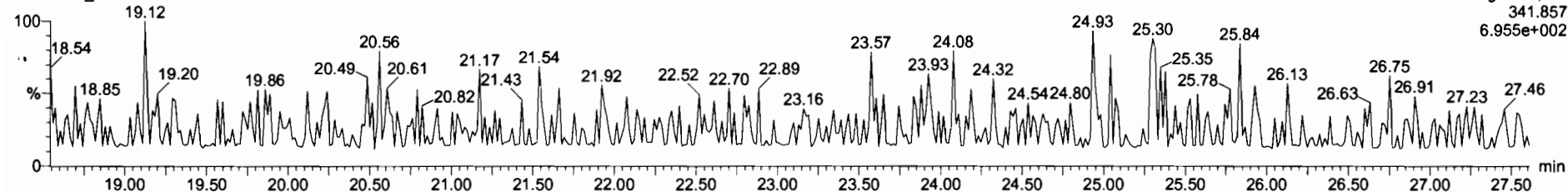
Name: 200604D1_2, Date: 04-Jun-2020, Time: 12:45:31, ID: B0E0100-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans

200604D1_2

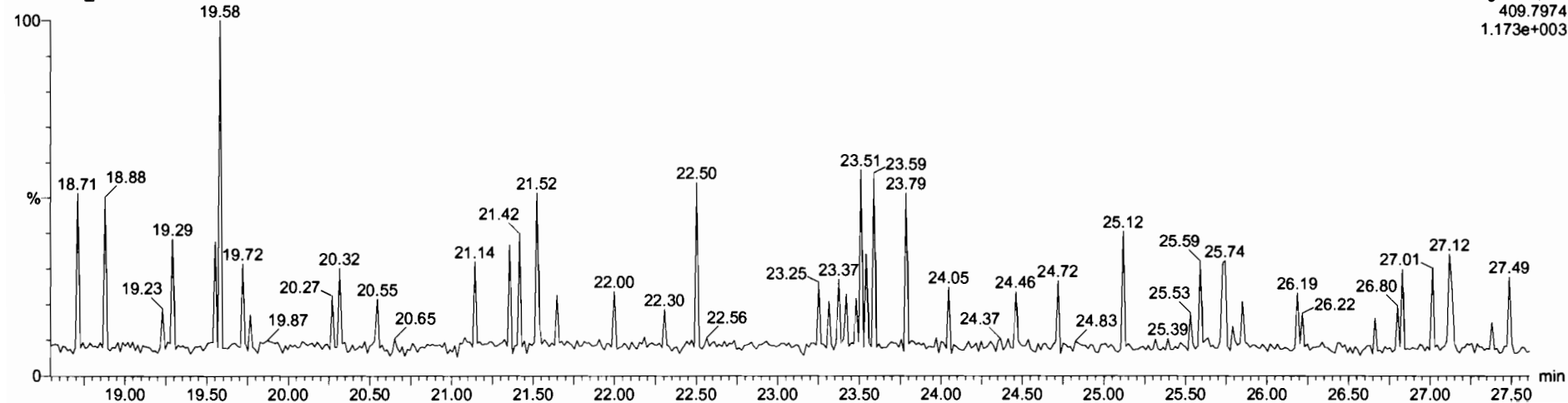


200604D1_2



DPE6

200604D1_2

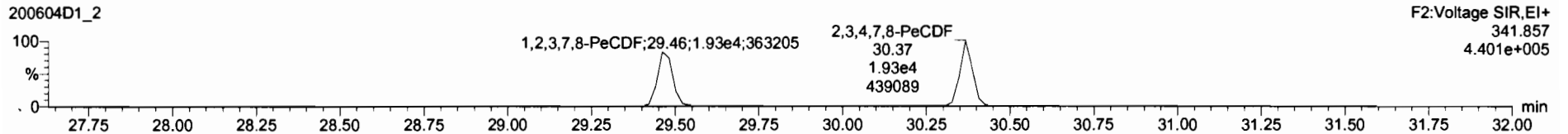
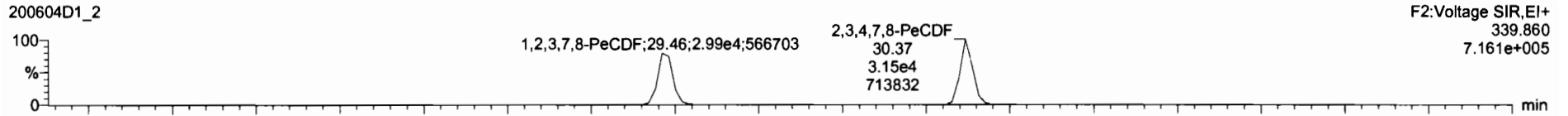


Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

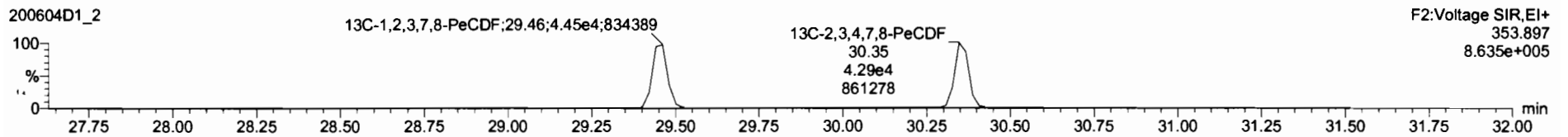
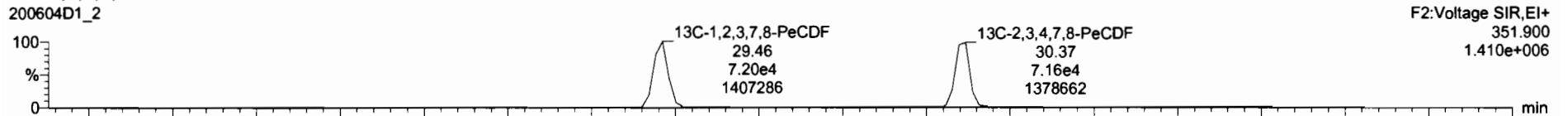
Last Altered: Thursday, June 04, 2020 13:58:38 Pacific Daylight Time
Printed: Thursday, June 04, 2020 14:00:13 Pacific Daylight Time

Name: 200604D1_2, Date: 04-Jun-2020, Time: 12:45:31, ID: B0E0100-BS1 OPR 10, Description: OPR

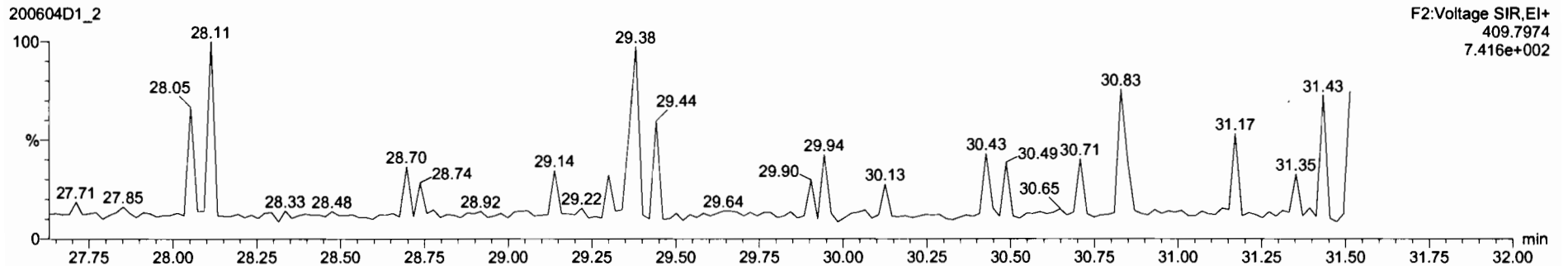
1,2,3,7,8-PeCDF



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



DPE2



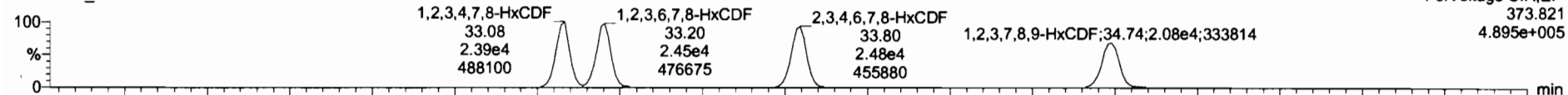
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Last Altered: Thursday, June 04, 2020 13:58:38 Pacific Daylight Time
Printed: Thursday, June 04, 2020 14:00:13 Pacific Daylight Time

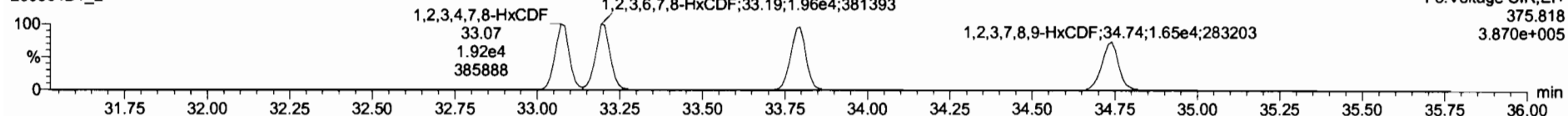
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1,2,3,4,7,8-HxCDF

200604D1_2

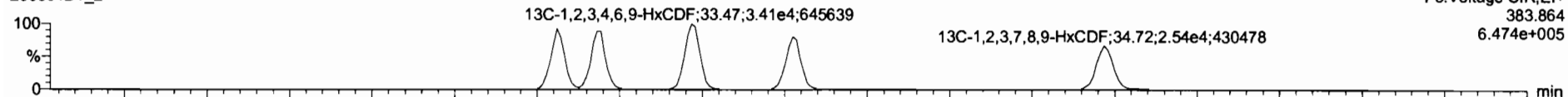


200604D1_2

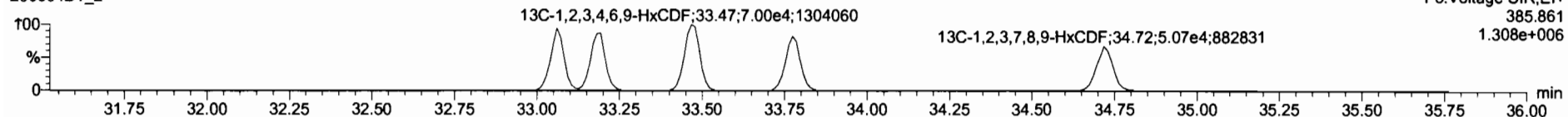


13C-1,2,3,4,7,8-HxCDF

200604D1_2

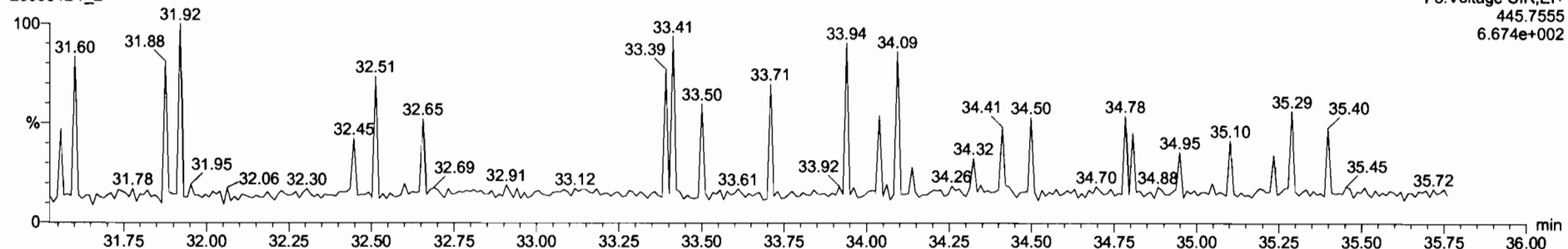


200604D1_2



DPE3

200604D1_2



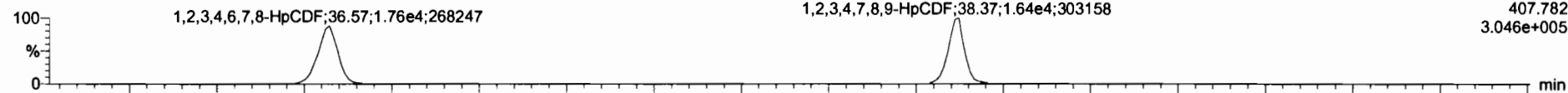
Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

Last Altered: Thursday, June 04, 2020 13:58:38 Pacific Daylight Time
Printed: Thursday, June 04, 2020 14:00:13 Pacific Daylight Time

Name: 200604D1_2, Date: 04-Jun-2020, Time: 12:45:31, ID: B0E0100-BS1 OPR 10, Description: OPR

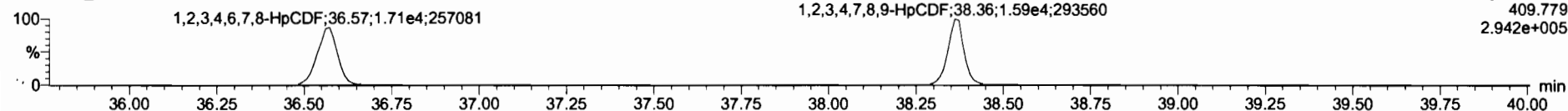
1,2,3,4,6,7,8-HpCDF

200604D1_2



F4:Voltage SIR,EI+
407.782
3.046e+005

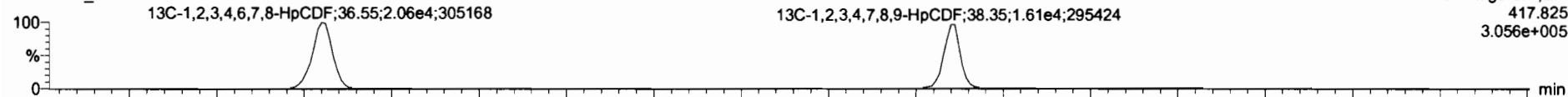
200604D1_2



F4:Voltage SIR,EI+
409.779
2.942e+005

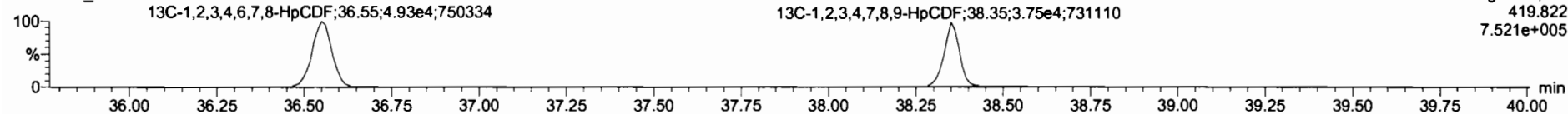
13C-1,2,3,4,6,7,8-HpCDF

200604D1_2



F4:Voltage SIR,EI+
417.825
3.056e+005

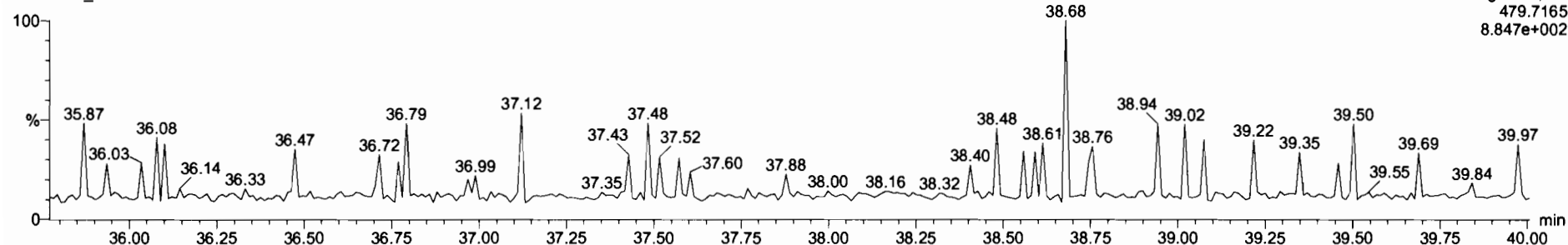
200604D1_2



F4:Voltage SIR,EI+
419.822
7.521e+005

DPE4

200604D1_2

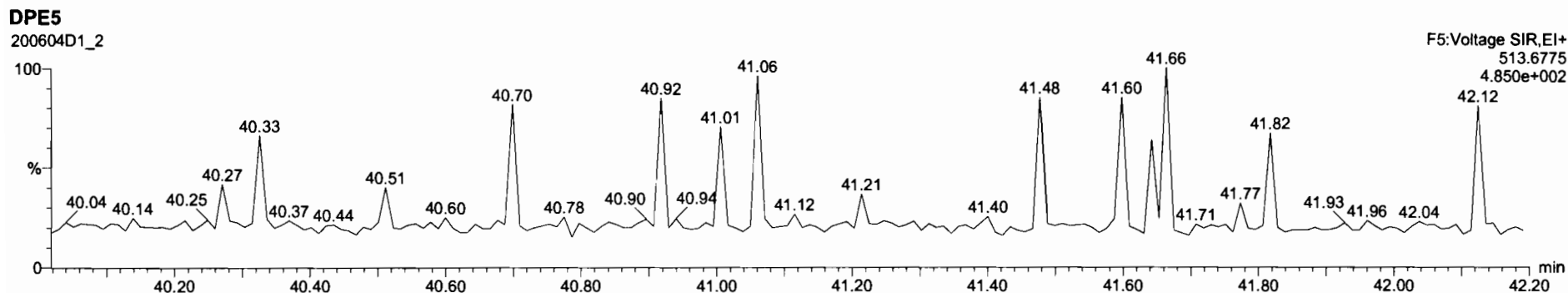
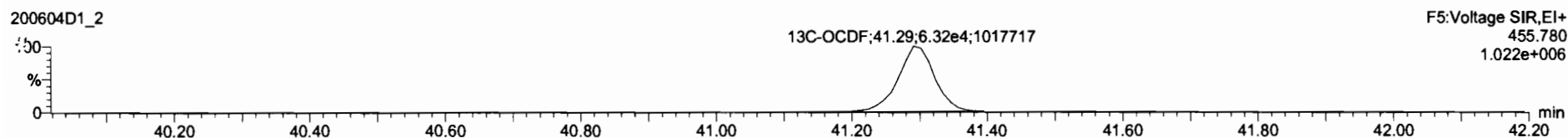
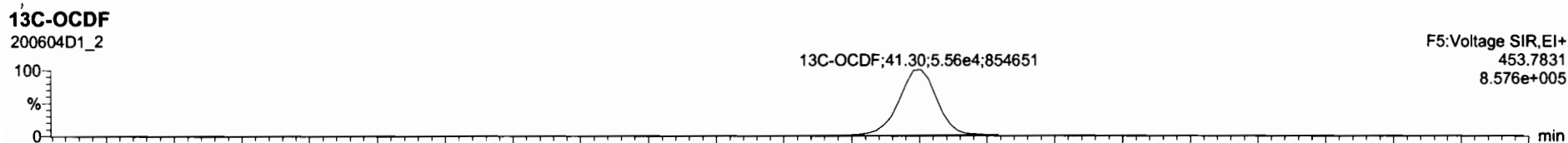
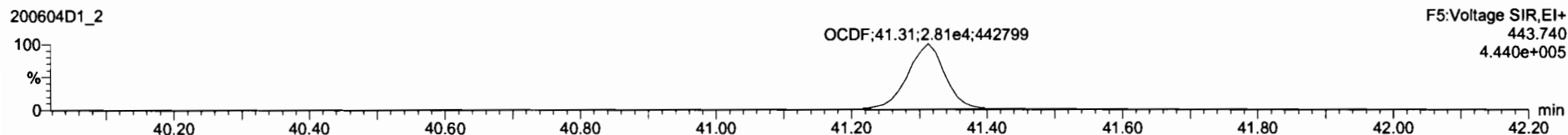
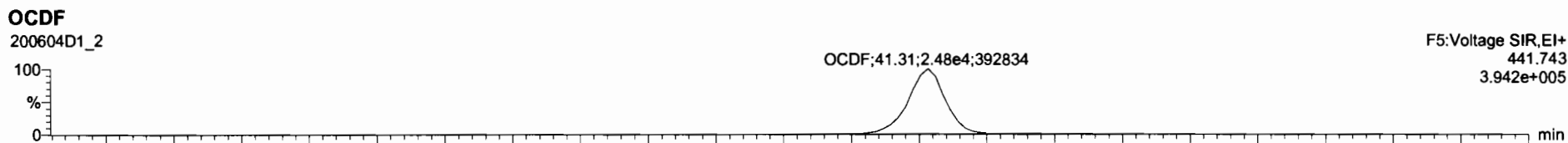


F4:Voltage SIR,EI+
479.7165
8.847e+002

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

Last Altered: Thursday, June 04, 2020 13:58:38 Pacific Daylight Time
Printed: Thursday, June 04, 2020 14:00:13 Pacific Daylight Time

Name: 200604D1_2, Date: 04-Jun-2020, Time: 12:45:31, ID: B0E0100-BS1 OPR 10, Description: OPR

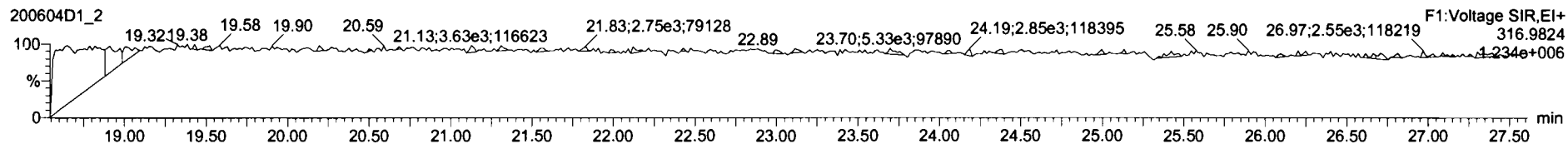


Dataset: U:\VG7.PRO\Results\200604D1\200604D1_2.qld

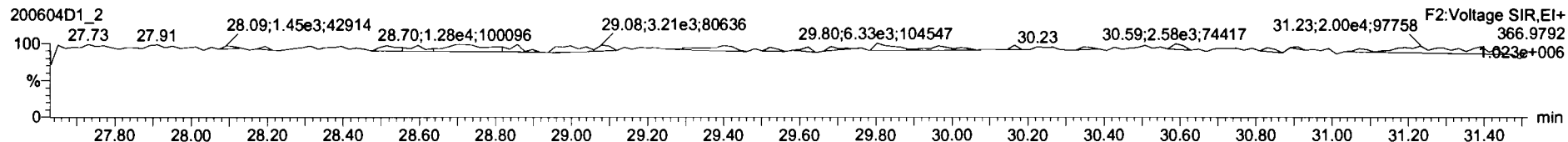
Last Altered: Thursday, June 04, 2020 13:58:38 Pacific Daylight Time
Printed: Thursday, June 04, 2020 14:00:13 Pacific Daylight Time

Name: 200604D1_2, Date: 04-Jun-2020, Time: 12:45:31, ID: B0E0100-BS1 OPR 10, Description: OPR

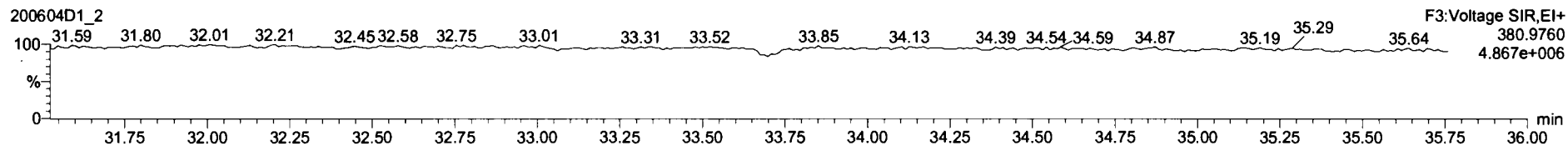
PFK1



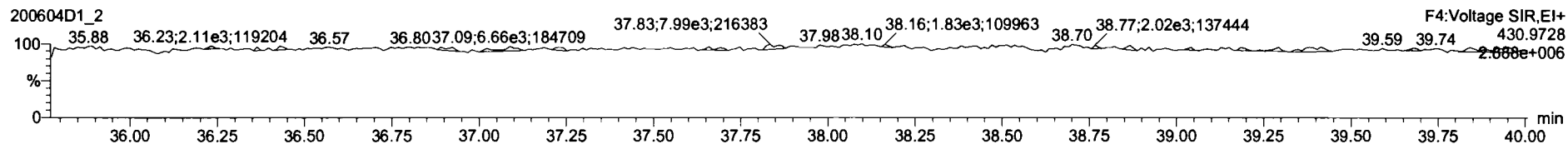
PFK2



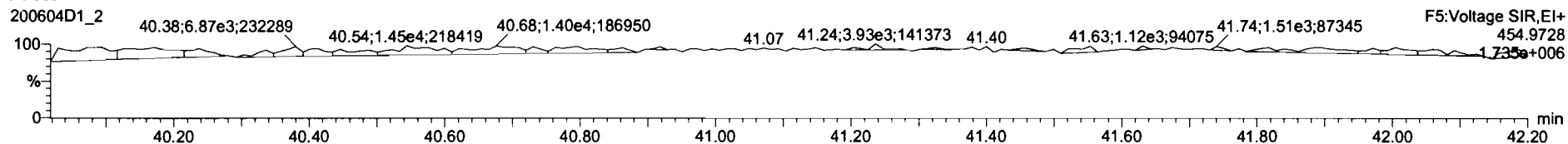
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-5.qld

Last Altered: Monday, June 08, 2020 12:17:02 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:17:27 Pacific Daylight Time

GPB 06/08/2020

G 06/07/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	U Conc	Area
1	2,3,7,8-TCDD			NO	0.888	10.055	26.531		1.001				0.102
2	1,2,3,7,8-PeCDD			NO	0.908	10.055	31.488		1.001				0.213
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.055	34.846		1.000				0.226
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.055	34.943		1.000				0.238
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.055	35.241		1.000				0.305
6	1,2,3,4,6,7,8-HpCDD	1.68e3	0.95	NO	0.864	10.055	38.778	38.78	1.000	1.000	2.7989		0.450 2.80
7	OCDD	9.90e3	0.85	NO	0.914	10.055	41.748	41.77	1.000	1.001	25.190		0.989 25.2
8	2,3,7,8-TCDF	5.48e2	0.94	YES	0.751	10.055	25.641	25.62	1.001	1.000	0.19150		0.121 0.175
9	1,2,3,7,8-PeCDF			NO	0.893	10.055	30.205		1.001				0.129
10	2,3,4,7,8-PeCDF			NO	0.935	10.055	31.192		1.001				0.125
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.055	33.963		1.000				0.181
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.055	34.100		1.000				0.173
13	2,3,4,6,7,8-HxCDF	2.37e2	1.48	YES	0.934	10.055	34.711	34.69	1.001	1.000	0.18456		0.114 0.167
14	1,2,3,7,8,9-HxCDF			NO	0.871	10.055	35.592		1.000				0.305
15	1,2,3,4,6,7,8-HpCDF	4.81e2	1.11	NO	0.873	10.055	37.397	37.36	1.001	1.000	0.63855		0.322 0.639
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.055	39.320		1.000				0.392
17	OCDF	3.89e2	0.89	NO	0.806	10.055	41.951	41.98	1.000	1.001	1.0602		0.357 1.06
18	13C-2,3,7,8-TCDD	6.00e5	0.77	NO	1.16	10.055	26.538	26.50	1.026	1.025	127.10	63.9	0.170
19	13C-1,2,3,7,8-PeCDD	3.96e5	0.65	NO	0.849	10.055	31.729	31.47	1.227	1.217	114.17	57.4	0.345
20	13C-1,2,3,4,7,8-HxCDD	2.36e5	1.29	NO	0.779	10.055	34.852	34.84	1.014	1.014	94.088	47.3	0.470
21	13C-1,2,3,6,7,8-HxCDD	2.92e5	1.26	NO	1.02	10.055	34.965	34.94	1.017	1.017	89.184	44.8	0.360
22	13C-1,2,3,7,8,9-HxCDD	2.24e5	1.22	NO	0.903	10.055	35.236	35.23	1.025	1.025	76.971	38.7	0.405
23	13C-1,2,3,4,6,7,8-HpCDD	1.38e5	1.02	NO	0.689	10.055	38.763	38.77	1.128	1.128	62.330	31.3	0.275
24	13C-OCDD	1.71e5	0.89	NO	0.652	10.055	41.787	41.75	1.216	1.215	81.489	20.5	0.380
25	13C-2,3,7,8-TCDF	7.57e5	0.77	NO	1.06	10.055	25.578	25.61	0.989	0.991	123.62	62.2	0.328
26	13C-1,2,3,7,8-PeCDF	6.11e5	1.59	NO	0.838	10.055	30.111	30.18	1.165	1.167	126.10	63.4	0.426
27	13C-2,3,4,7,8-PeCDF	5.65e5	1.62	NO	0.817	10.055	31.065	31.16	1.202	1.205	119.64	60.1	0.437
28	13C-1,2,3,4,7,8-HxCDF	3.03e5	0.50	NO	1.01	10.055	33.982	33.96	0.989	0.988	93.345	46.9	0.494
29	13C-1,2,3,6,7,8-HxCDF	3.47e5	0.50	NO	1.17	10.055	34.106	34.09	0.992	0.992	92.239	46.4	0.427
30	13C-2,3,4,6,7,8-HxCDF	2.73e5	0.53	NO	1.02	10.055	34.680	34.68	1.009	1.009	82.958	41.7	0.487
31	13C-1,2,3,7,8,9-HxCDF	2.20e5	0.50	NO	0.860	10.055	35.580	35.59	1.035	1.036	79.562	40.0	0.579

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-5.qld

Last Altered: Monday, June 08, 2020 12:17:02 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:17:27 Pacific Daylight Time

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRF	RRF	Concn	RA	RRF
32	13C-1,2,3,4,6,7,8-HpCDF	1.72e5	0.43	NO	0.774	10.055	37.329	37.36	1.086	1.087	68.769	34.6	0.366
33	13C-1,2,3,4,7,8,9-HpCDF	1.01e5	0.40	NO	0.521	10.055	39.361	39.32	1.145	1.144	60.403	30.4	0.544
34	13C-OCDF	1.81e5	0.87	NO	0.746	10.055	41.959	41.95	1.221	1.221	75.276	18.9	0.261
35	37Cl-2,3,7,8-TCDD	2.11e5			1.04	10.055	26.569	26.53	1.028	1.026	49.877	62.7	0.0466
36	13C-1,2,3,4-TCDD	8.12e5	0.79	NO	1.00	10.055	25.890	25.85	1.000	1.000	198.90	100	0.197
37	13C-1,2,3,4-TCDF	1.15e6	0.78	NO	1.00	10.055	24.360	24.18	1.000	1.000	198.90	100	0.348
38	13C-1,2,3,4,6,9-HxCDF	6.41e5	0.51	NO	1.00	10.055	34.420	34.37	1.000	1.000	198.90	100	0.498
39	Total Tetra-Dioxins				0.888	10.055	24.620		0.000		0.97073		0.102 0.971
40	Total Penta-Dioxins				0.908	10.055	29.960		0.000		0.00000		0.0764 0.469
41	Total Hexa-Dioxins				0.892	10.055	33.635		0.000		2.6806		0.265 2.68
42	Total Hepta-Dioxins				0.864	10.055	37.640		0.000		6.9820		0.450 6.98
43	Total Tetra-Furans				0.751	10.055	23.610		0.000		1.4801		0.131 2.74
44	1st Func. Penta-Furans				0.893	10.055	27.580		0.000		0.00000		0.0141 0.104
45	Total Penta-Furans				0.893	10.055	29.275		0.000				0.0665
46	Total Hexa-Furans				0.934	10.055	33.555		0.000		0.28759		0.111 0.544
47	Total Hepta-Furans				0.873	10.055	37.835		0.000		0.63855		0.371 0.639

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-5.qld

Last Altered: Monday, June 08, 2020 12:17:02 Pacific Daylight Time
 Printed: Monday, June 08, 2020 12:17:27 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: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.53	4.814e3	7.415e3	3.683e2	5.505e2	0.67	NO	9.188e2	0.34281	0.34281	0.102
Total Tetra-Dioxins	22.94	5.465e3	9.579e3	4.088e2	4.692e2	0.87	NO	8.780e2	0.32758	0.32758	0.102
Total Tetra-Dioxins	24.33	3.453e3	6.350e3	3.217e2	4.833e2	0.67	NO	8.050e2	0.30034	0.30034	0.102

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.19	3.693e3	3.759e3	2.416e2	2.739e2	0.88	YES	0.000e0	0.00000	0.24705	0.213
Total Penta-Dioxins	29.74	5.425e3	4.751e3	2.393e2	2.460e2	0.97	YES	0.000e0	0.00000	0.22188	0.213

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.35	1.584e4	1.416e4	9.079e2	7.501e2	1.21	NO	1.658e3	1.4746	1.4746	0.265
Total Hexa-Dioxins	33.90	4.152e3	5.072e3	2.382e2	2.215e2	1.08	NO	4.597e2	0.40883	0.40883	0.265
Total Hexa-Dioxins	34.17	7.785e3	6.131e3	5.259e2	3.705e2	1.42	NO	8.964e2	0.79719	0.79719	0.265

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.76	1.479e4	1.679e4	1.214e3	1.300e3	0.93	NO	2.514e3	4.1831	4.1831	0.450
1,2,3,4,6,7,8-HpCDD	38.78	1.300e4	1.297e4	8.198e2	8.623e2	0.95	NO	1.682e3	2.7989	2.7989	0.450

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-5.qld

Last Altered: Monday, June 08, 2020 12:17:02 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:17:27 Pacific Daylight Time

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Furans	21.51	8.939e3	9.505e3	7.414e2	9.135e2	0.81	NO	1.655e3	0.57868	0.57868	0.131
Total Tetra-Furans	21.95	2.056e3	2.311e3	1.313e2	1.635e2	0.80	NO	0.000e0	0.00000	0.10310	0.131
Total Tetra-Furans	22.07	4.451e3	4.995e3	3.851e2	4.870e2	0.79	NO	0.000e0	0.00000	0.30496	0.131
Total Tetra-Furans	22.50	4.131e3	4.895e3	3.548e2	5.122e2	0.69	NO	8.671e2	0.30320	0.30320	0.131
Total Tetra-Furans	22.95	2.557e3	2.659e3	1.615e2	2.238e2	0.72	NO	0.000e0	0.00000	0.13474	0.131
Total Tetra-Furans	23.16	2.240e3	2.703e3	1.266e2	1.568e2	0.81	NO	0.000e0	0.00000	0.099089	0.131
Total Tetra-Furans	23.34	1.536e3	2.712e3	1.304e2	1.985e2	0.66	NO	3.289e2	0.11501	0.11501	0.131
Total Tetra-Furans	24.72	3.320e3	3.980e3	3.001e2	3.708e2	0.81	NO	6.710e2	0.23462	0.23462	0.131
Total Tetra-Furans	24.96	2.860e3	2.513e3	1.566e2	1.427e2	1.10	YES	0.000e0	0.00000	0.088297	0.131
Total Tetra-Furans	25.21	1.995e3	2.398e3	1.294e2	2.200e2	0.59	YES	0.000e0	0.00000	0.10398	0.131
Total Tetra-Furans	25.41	2.372e3	2.716e3	1.460e2	1.762e2	0.83	NO	0.000e0	0.00000	0.11267	0.131
Total Tetra-Furans	25.51	2.265e3	2.434e3	9.827e1	1.373e2	0.72	NO	0.000e0	0.00000	0.082367	0.131
2,3,7,8-TCDF	25.62	3.379e3	4.221e3	2.653e2	2.823e2	0.94	YES	5.476e2	0.00000	0.17474	0.131
Total Tetra-Furans	26.02	4.173e3	6.180e3	2.817e2	4.290e2	0.66	NO	7.107e2	0.24853	0.24853	0.131
Total Tetra-Furans	27.62	2.163e3	1.691e3	1.429e2	9.674e1	1.48	YES	0.000e0	0.00000	0.059878	0.131

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1st Func. Penta-Furans	27.59	3.179e3	1.800e3	2.172e2	1.073e2	2.03	YES	0.000e0	0.00000	0.10360	0.0141

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Furans	32.81	1.238e3	1.669e3	6.613e1	7.891e1	0.84	YES	0.000e0	0.00000	0.089015	0.111
Total Hexa-Furans	32.97	5.724e3	3.880e3	2.147e2	1.712e2	1.25	NO	3.859e2	0.28759	0.28759	0.111
2,3,4,6,7,8-HxCDF	34.69	3.542e3	2.050e3	1.415e2	9.569e1	1.48	YES	2.372e2	0.00000	0.16716	0.114

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-5.qld

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Printed: Monday, June 08, 2020 12:17:27 Pacific Daylight Time

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Calc	TMPC	DL
1,2,3,4,6,7,8-HpCDF	37.36	4.480e3	4.044e3	2.534e2	2.276e2	1.11	NO	4.810e2	0.63855	0.63855	0.322

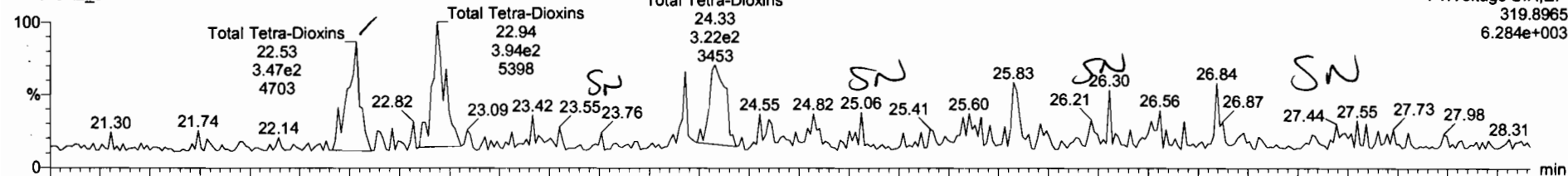
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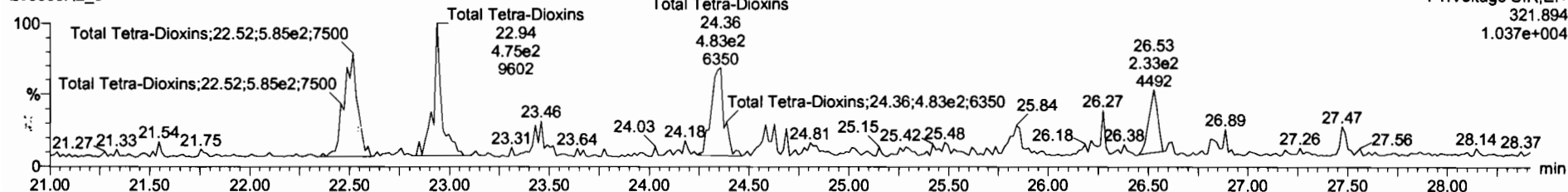
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2,3,7,8-TCDD

200605R2_5



200605R2_5

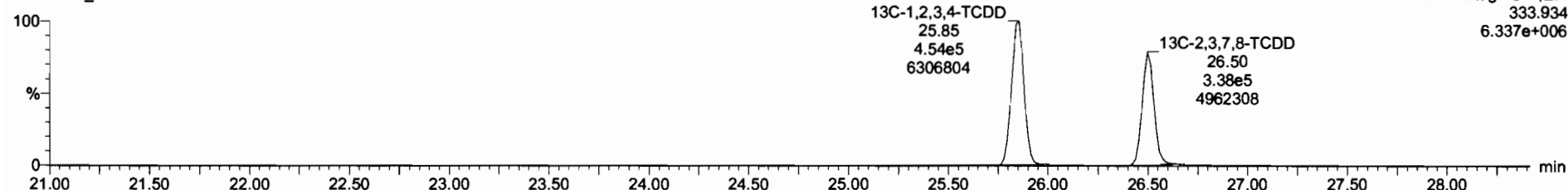


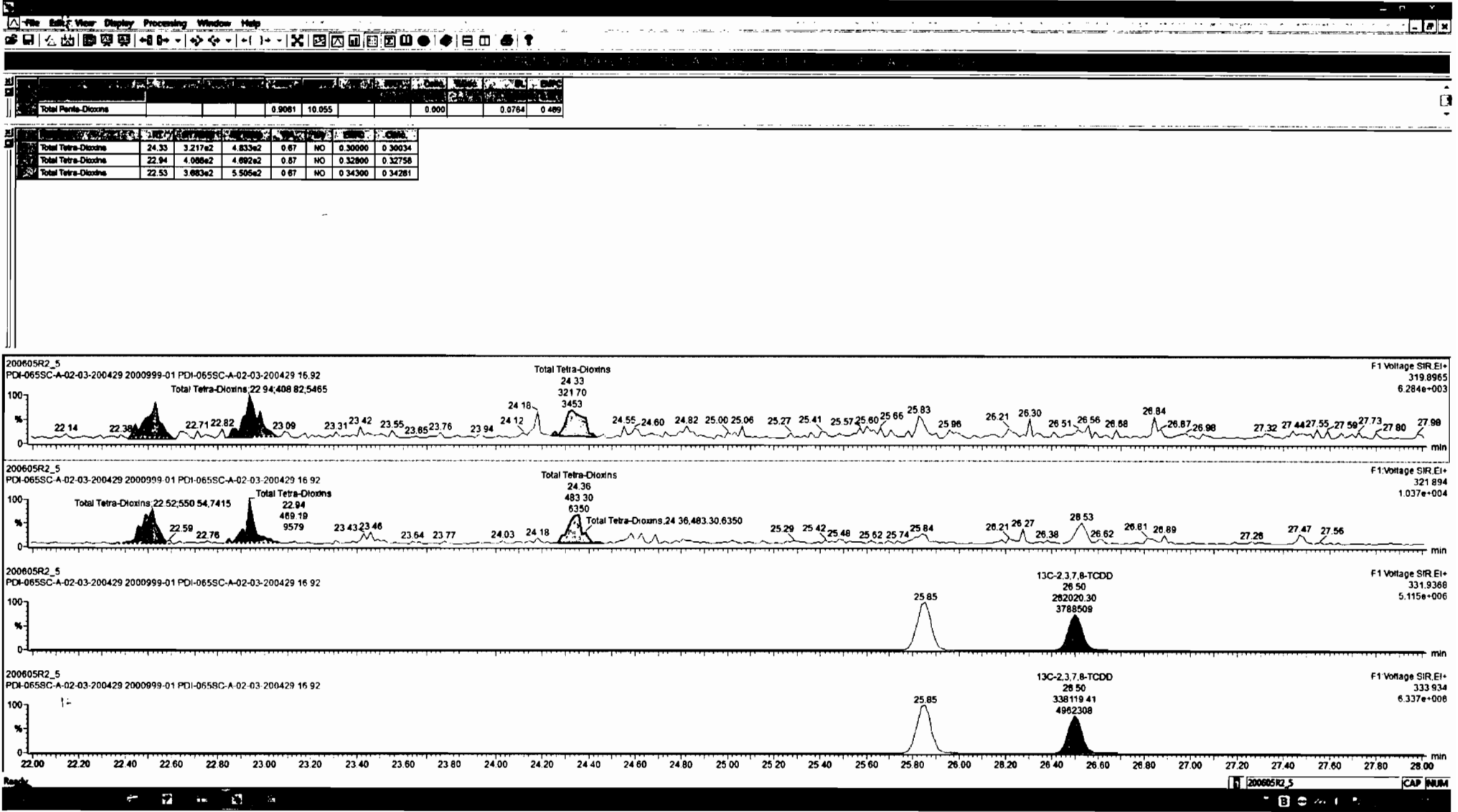
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200605R2_5



200605R2_5





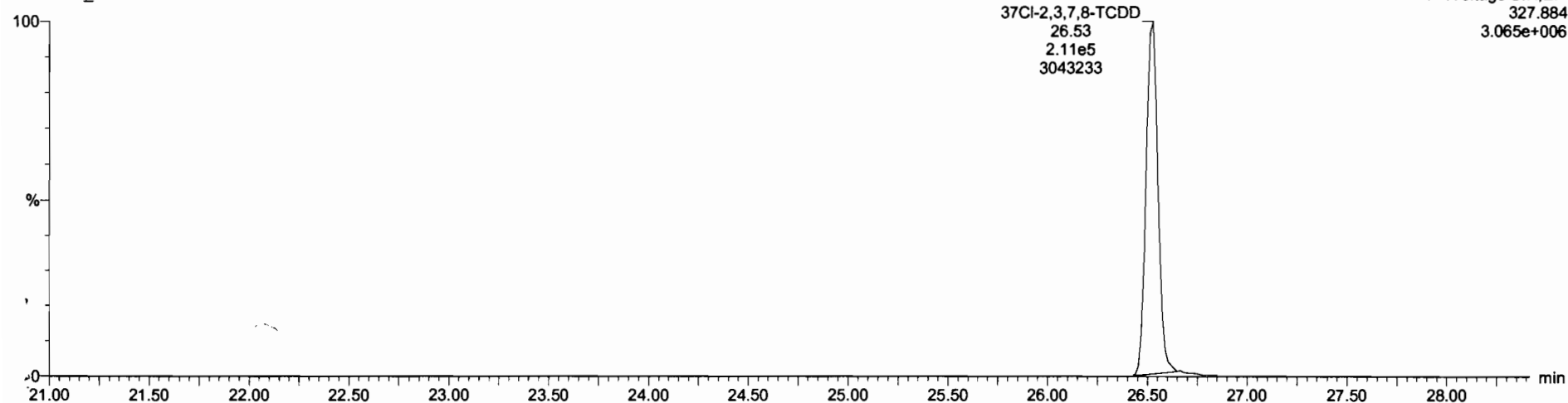
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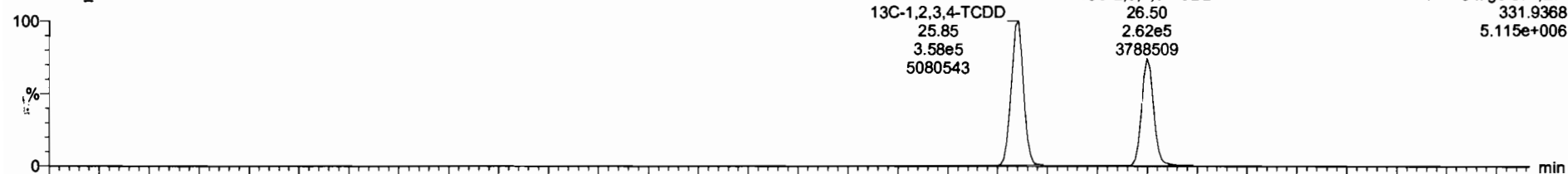
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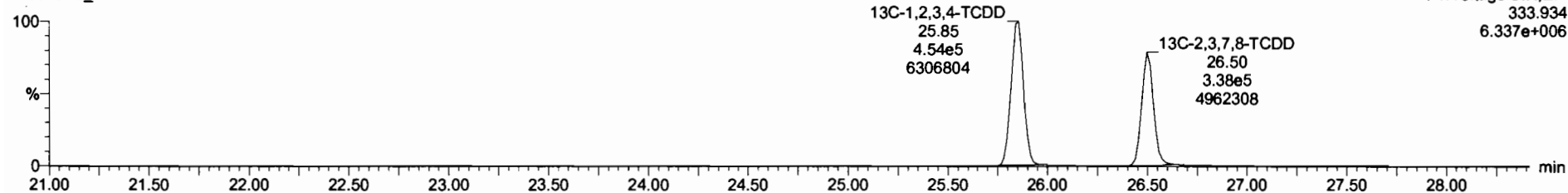


13C-1,2,3,4-TCDD

200605R2_5



200605R2_5



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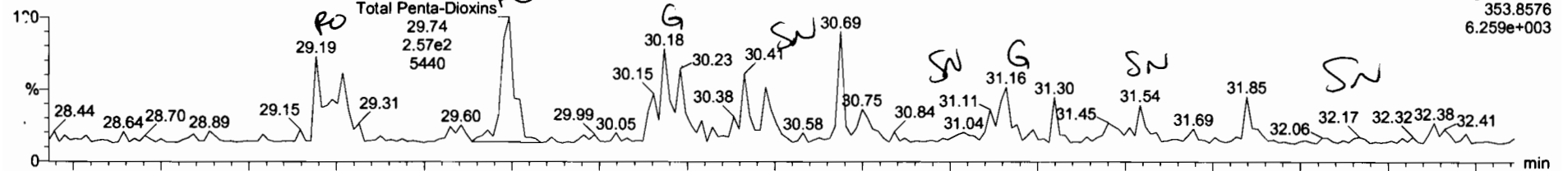
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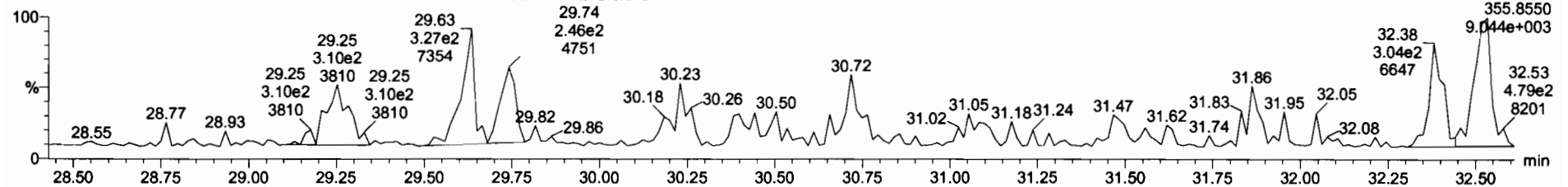
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1,2,3,7,8-PeCDD

200605R2_5

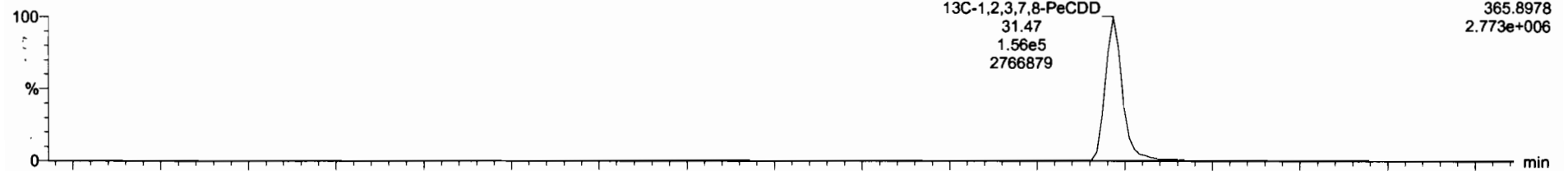


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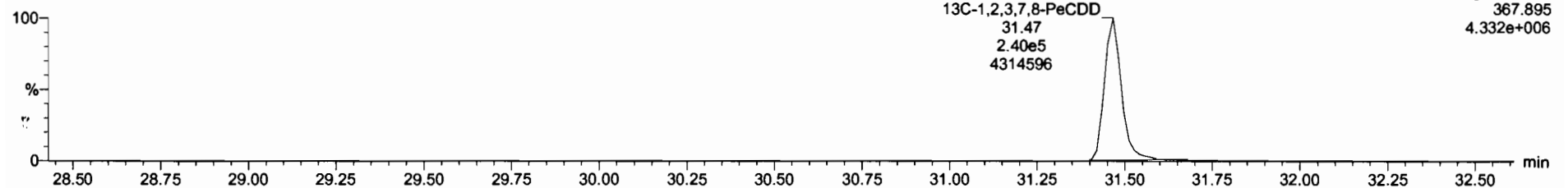


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200605R2_5

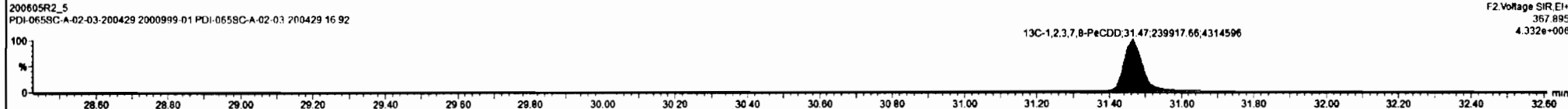
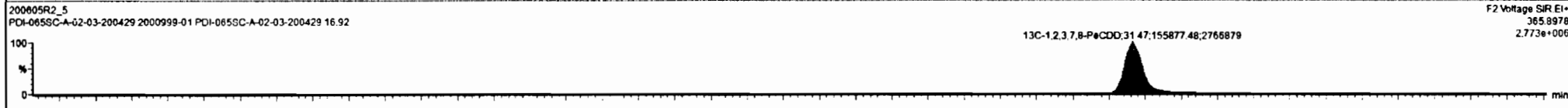
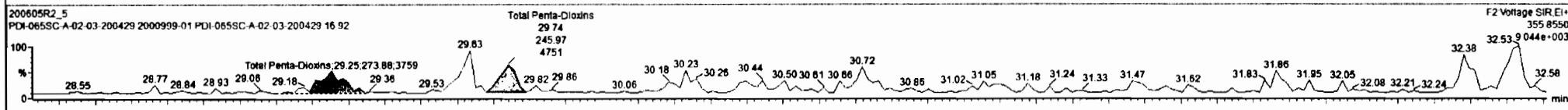
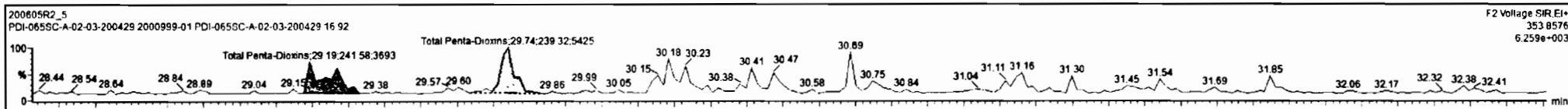


200605R2_5



Sample Name	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%
Total Tetra-Dioxins	8.89E3	10.053		0.971			0.102	0.971				

Sample Name	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%
Total Penta-Dioxins	29.74	2.393e2	2.460e2	0.97	YES	0.22200	0.00000					
Total Penta-Dioxins	29.18	2.416e2	2.739e2	0.88	YES	0.24700	0.00000					



Dataset: Untitled

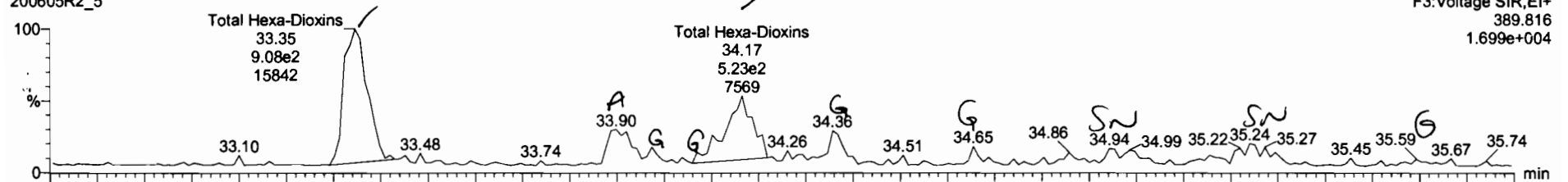
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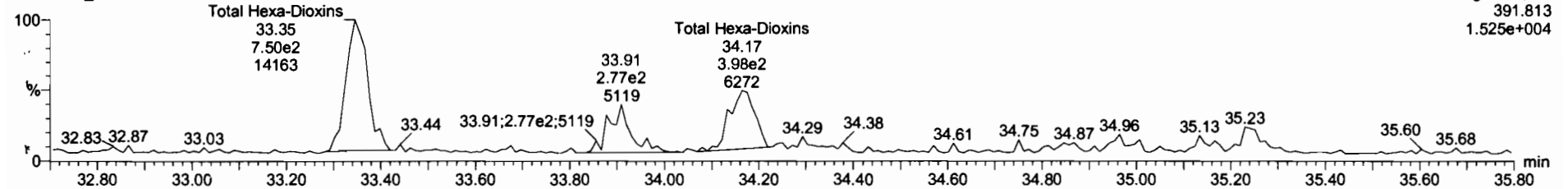
Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

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

200605R2_5

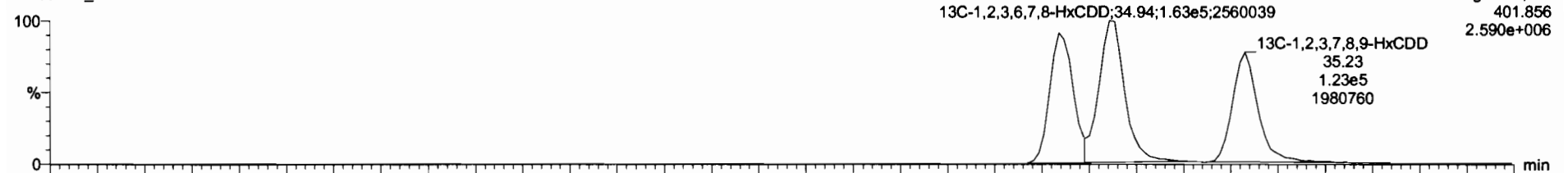


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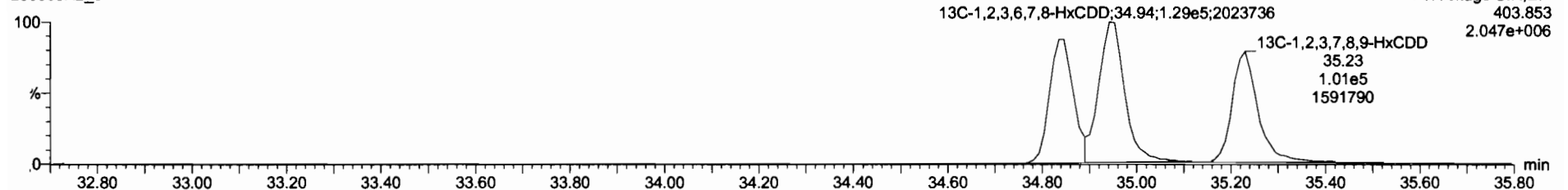


13C-1,2,3,4,7,8-HxCDD

200605R2_5

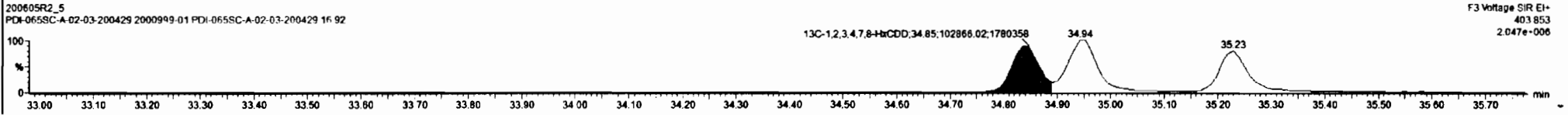
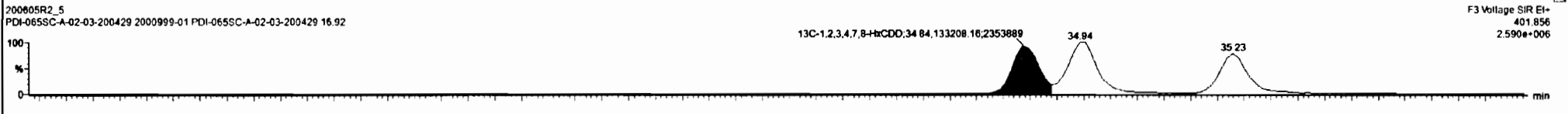
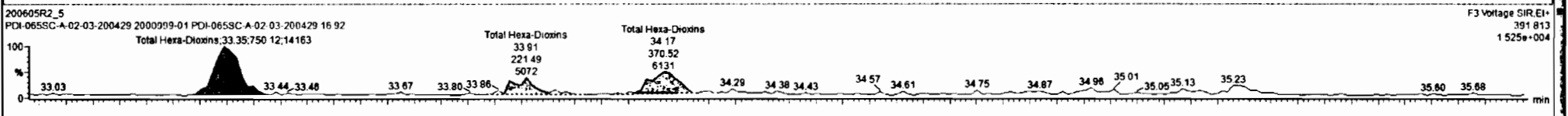
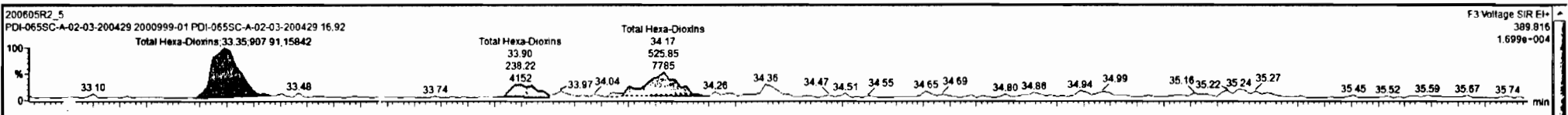


200605R2_5



	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%	
Total Tetra-Dioxins				0.0083	10.055					0.971		0.102	0.971
Total Penta-Dioxins				0.9061	10.055					0.000		0.0784	0.489

	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%
Total Hexa-Dioxins	34.17	5.250e2	3.709e2	1.42	NO	0.79700	0.79719					
Total Hexa-Dioxins	33.35	9.079e2	7.501e2	1.21	NO	1.4750	1.4746					
Total Hexa-Dioxins	33.90	2.382e2	2.215e2	1.06	NO	0.40900	0.40883					



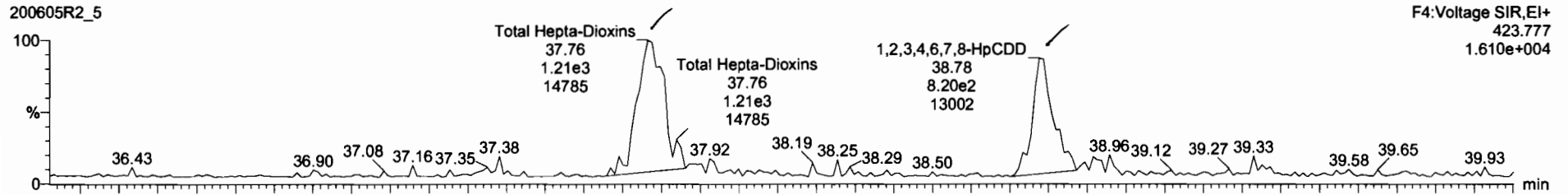
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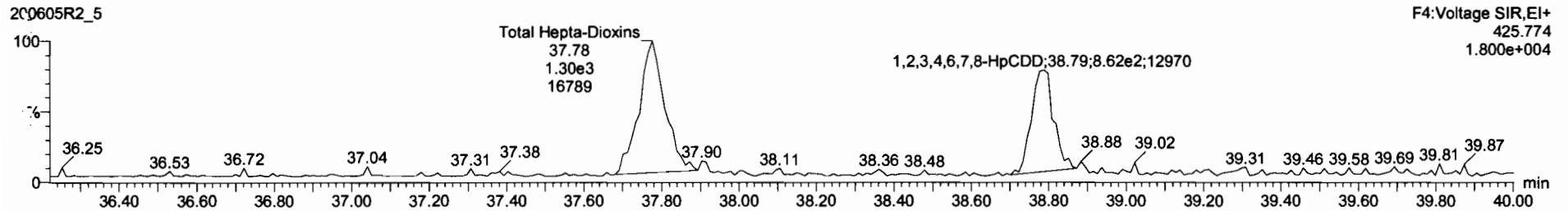
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1,2,3,4,6,7,8-HpCDD

200605R2_5

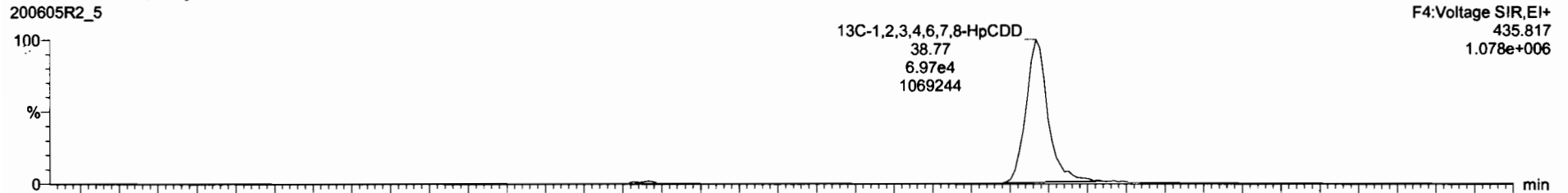


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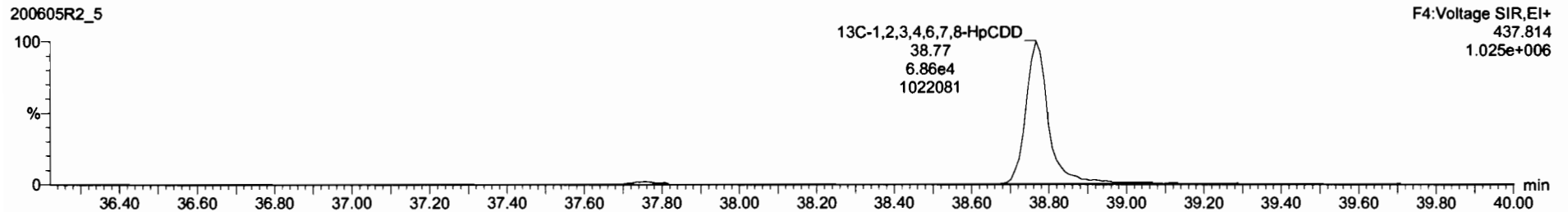


13C-1,2,3,4,6,7,8-HpCDD

200605R2_5



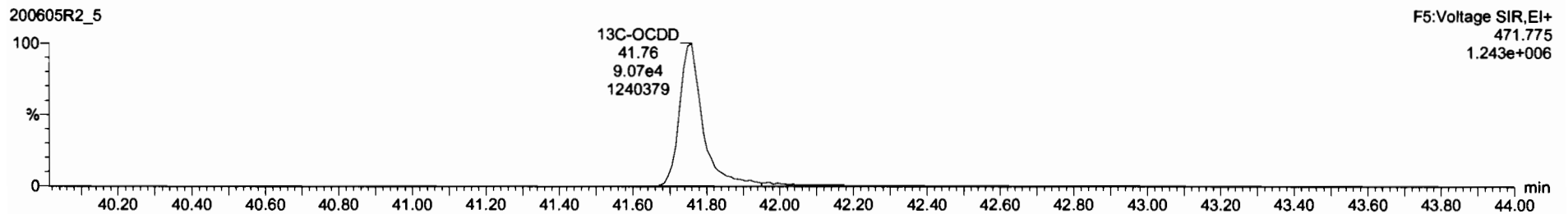
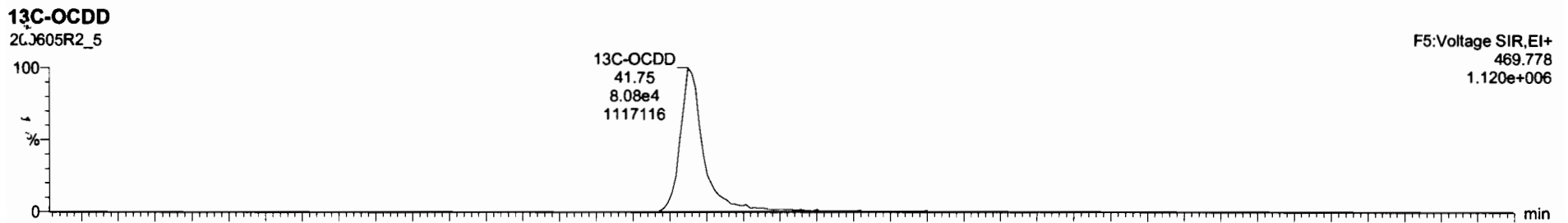
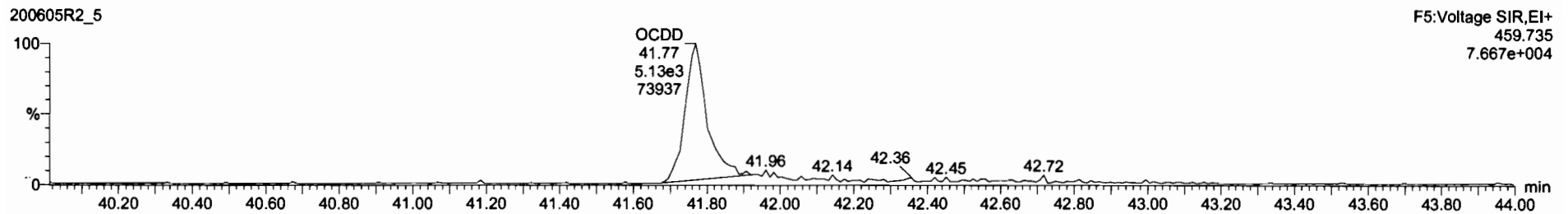
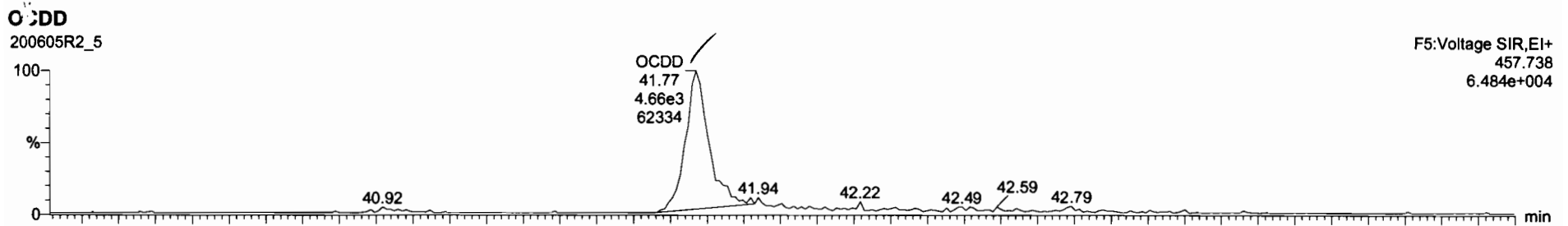
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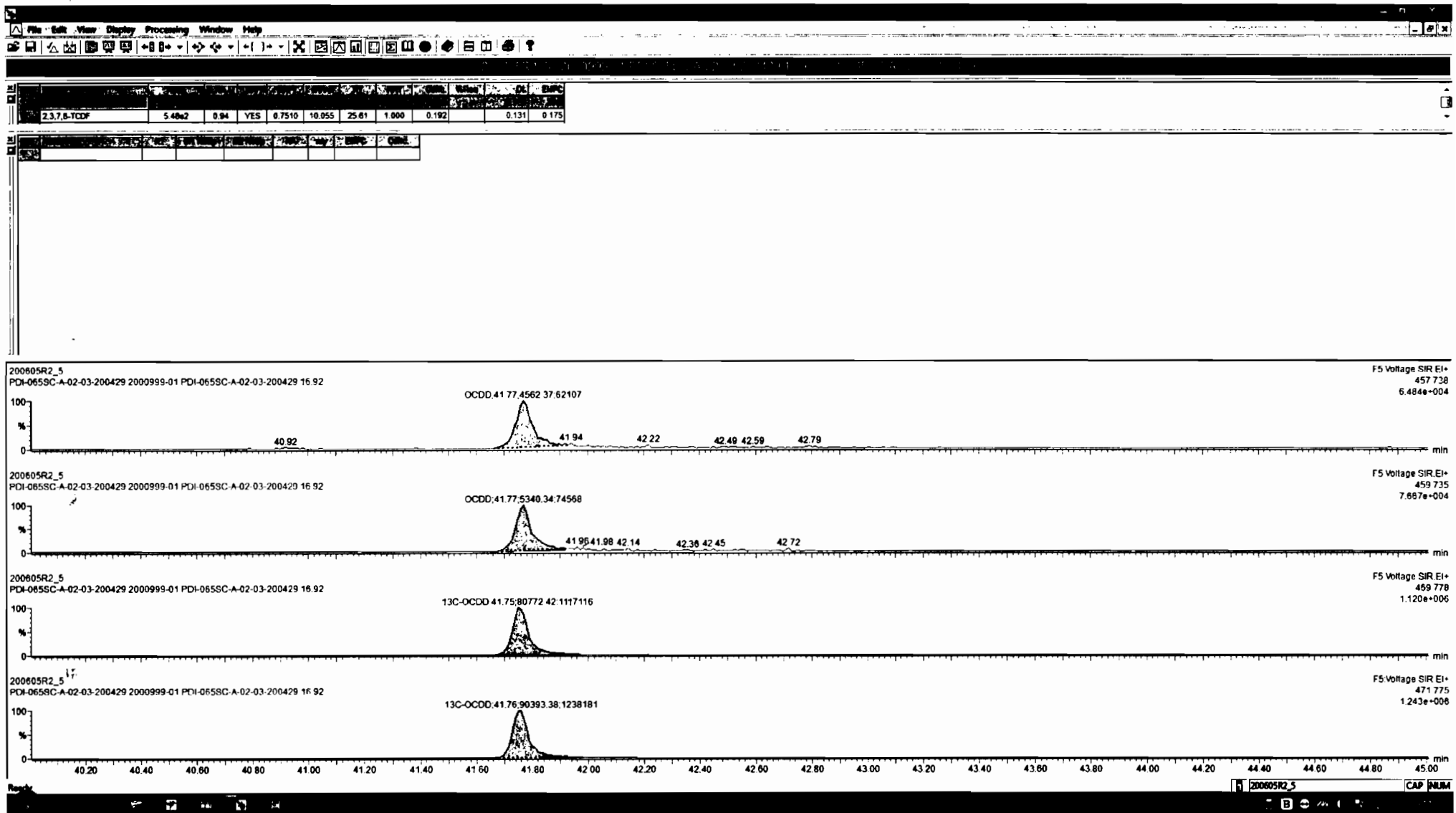


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Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429



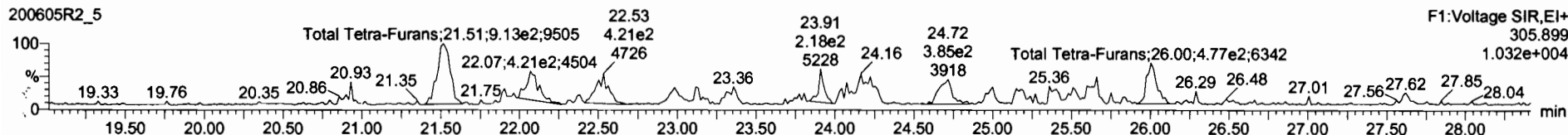
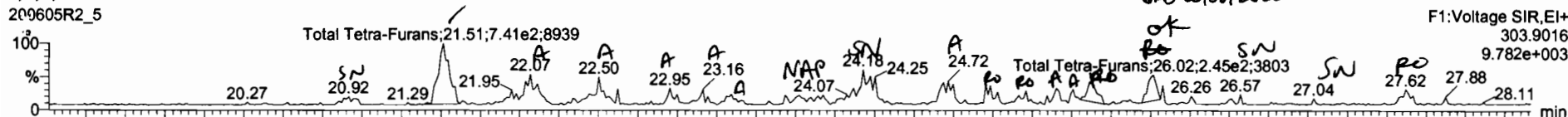


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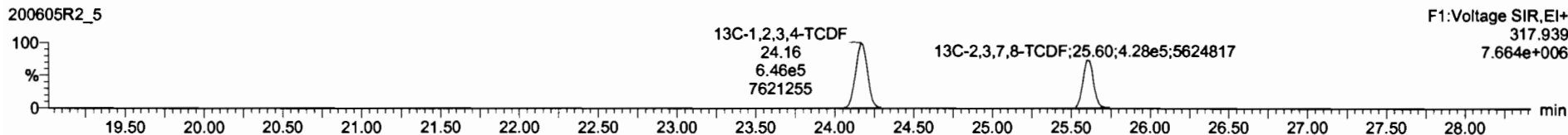
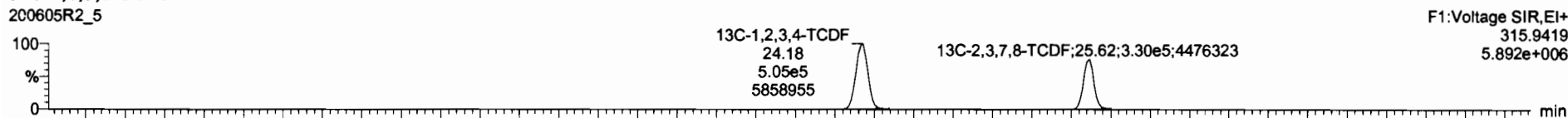
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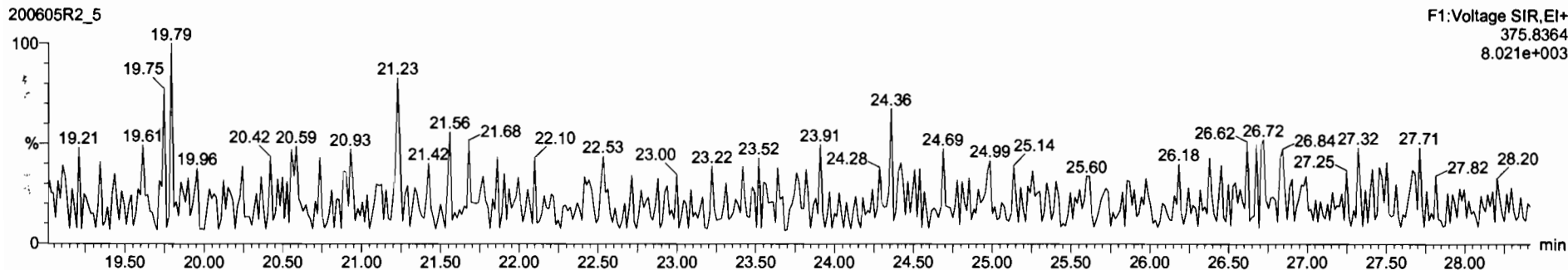
2,3,7,8-TCDF

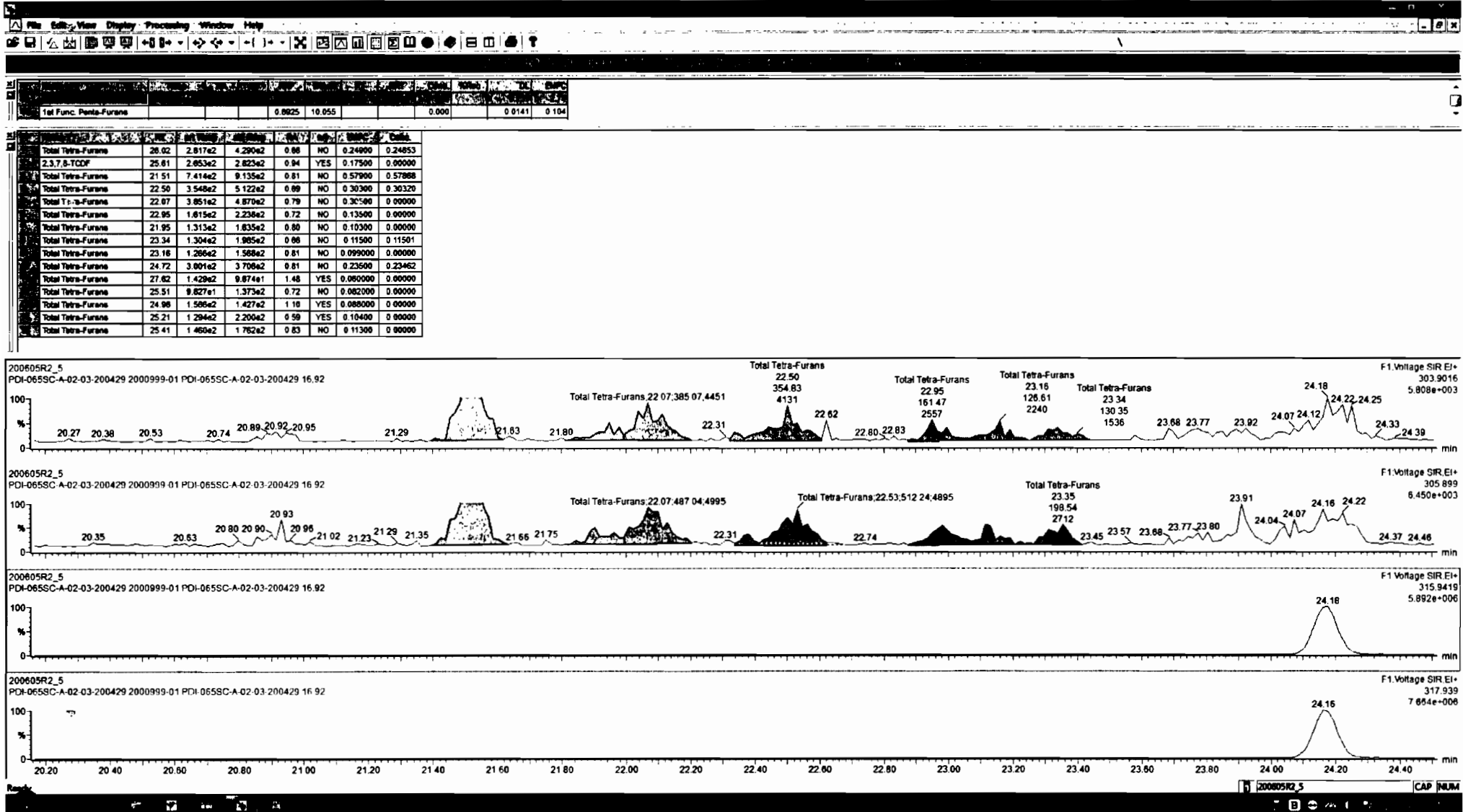


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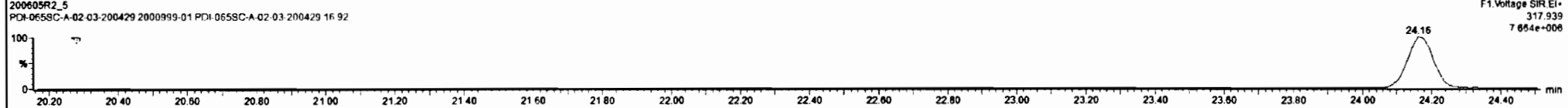
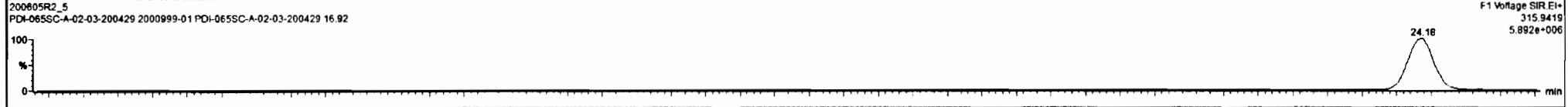
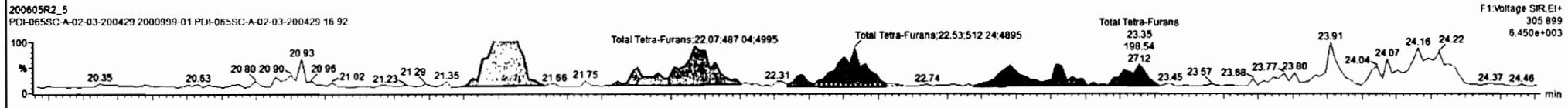
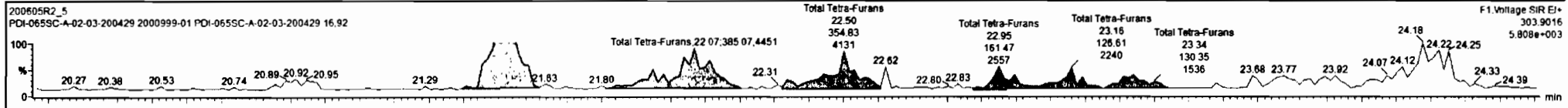


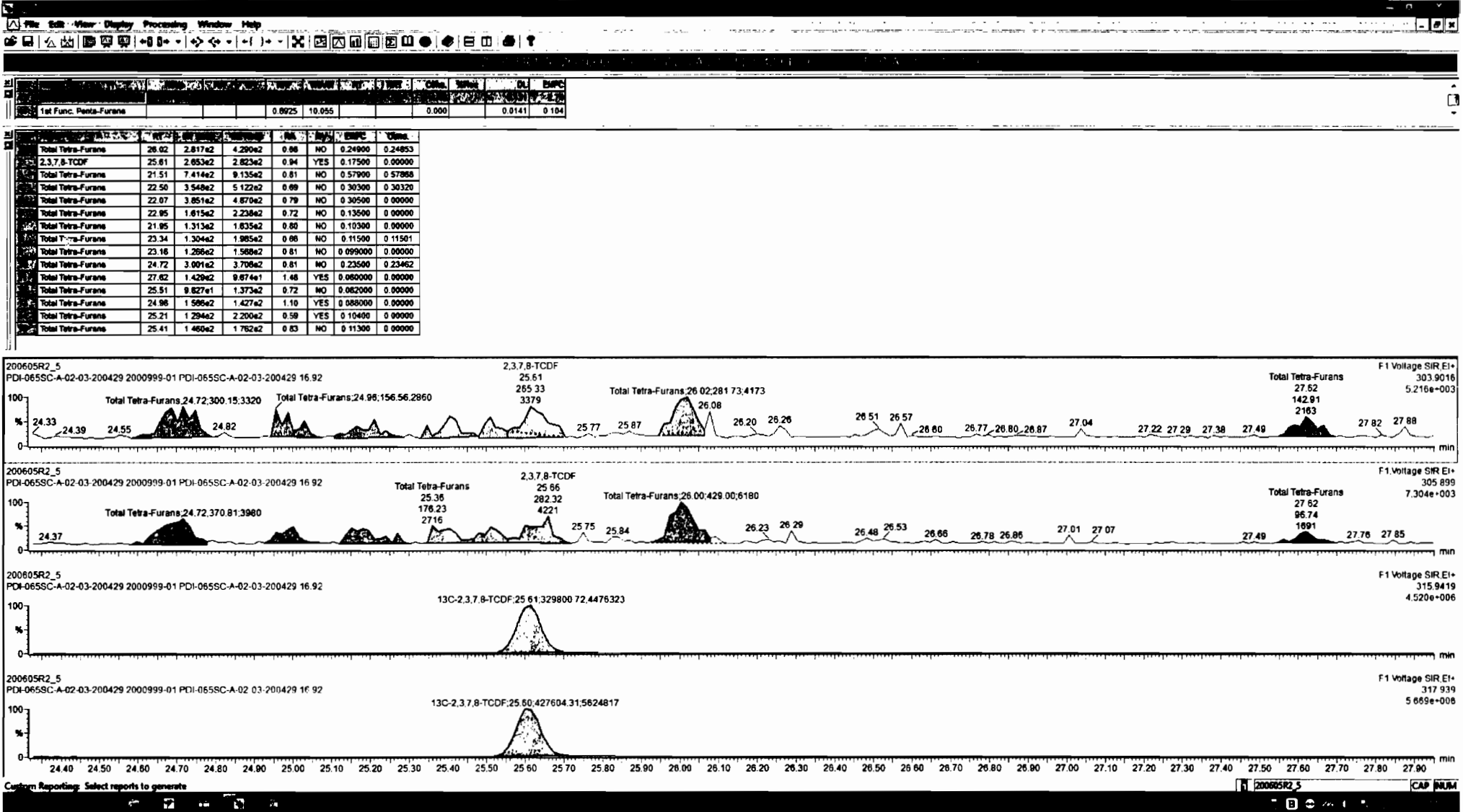
DPE1





1st Func.	Penta-Furans	0.8825	10.055	0.000	0.0141	0.104
Total Tetra-Furans	26.02	2.817e2	4.290e2	0.88	NO	0.24800 0.24853
2,3,7,8-TCDF	25.61	2.853e2	2.823e2	0.94	YES	0.17500 0.00000
Total Tetra-Furans	21.51	7.414e2	9.135e2	0.81	NO	0.57900 0.57888
Total Tetra-Furans	22.50	3.548e2	5.122e2	0.89	NO	0.30300 0.30320
Total Tetra-Furans	22.87	3.851e2	4.870e2	0.79	NO	0.30580 0.00000
Total Tetra-Furans	22.95	1.815e2	2.238e2	0.72	NO	0.13500 0.00000
Total Tetra-Furans	21.95	1.313e2	1.835e2	0.80	NO	0.10300 0.00000
Total Tetra-Furans	23.34	1.304e2	1.985e2	0.86	NO	0.11500 0.11501
Total Tetra-Furans	23.16	1.266e2	1.568e2	0.81	NO	0.099000 0.00000
Total Tetra-Furans	24.72	3.001e2	3.708e2	0.81	NO	0.23500 0.23462
Total Tetra-Furans	27.82	1.429e2	9.874e1	1.48	YES	0.060000 0.00000
Total Tetra-Furans	25.51	9.827e1	1.373e2	0.72	NO	0.082000 0.00000
Total Tetra-Furans	24.98	1.586e2	1.427e2	1.18	YES	0.088000 0.00000
Total Tetra-Furans	25.21	1.294e2	2.204e2	0.59	YES	0.10400 0.00000
Total Tetra-Furans	25.41	1.460e2	1.782e2	0.83	NO	0.11300 0.00000





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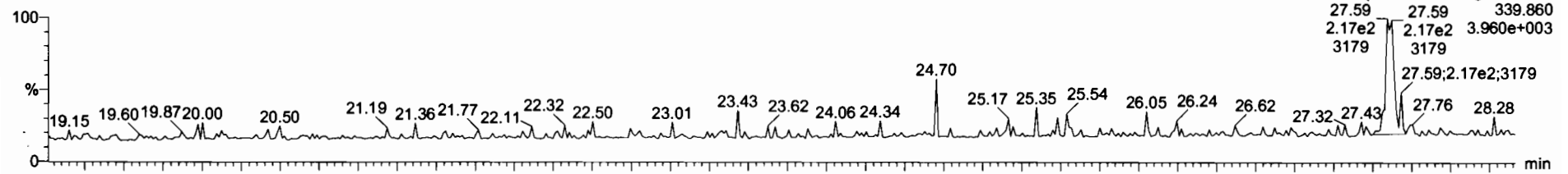
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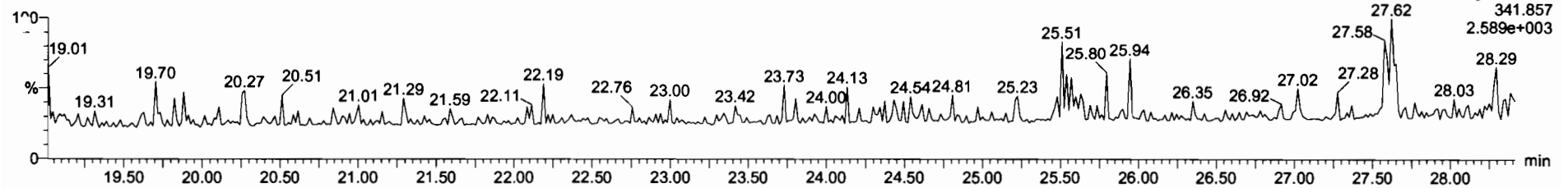
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1st Func. Penta-Furans

200605R2_5

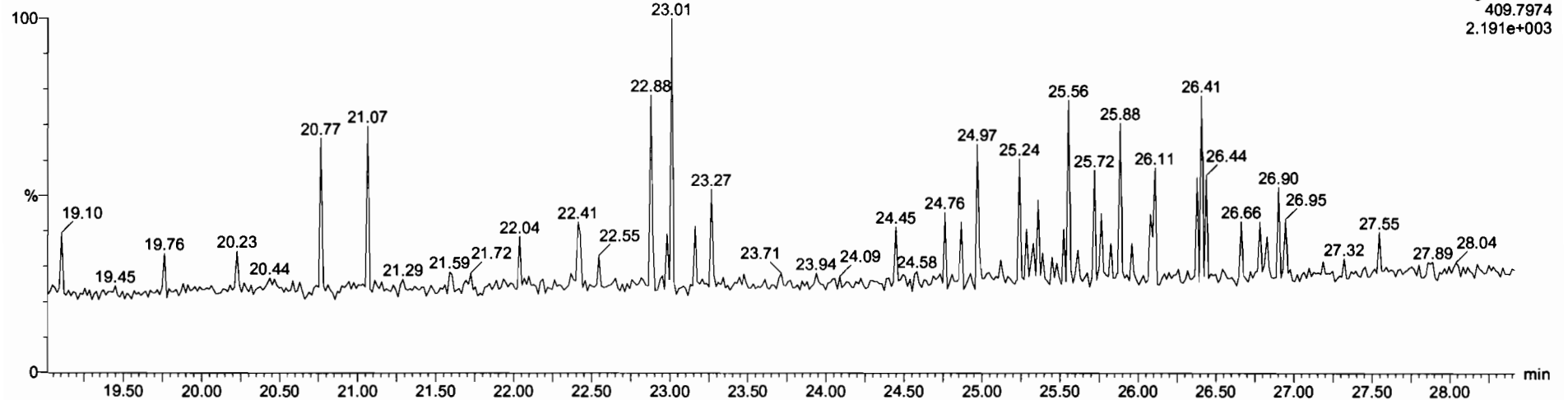


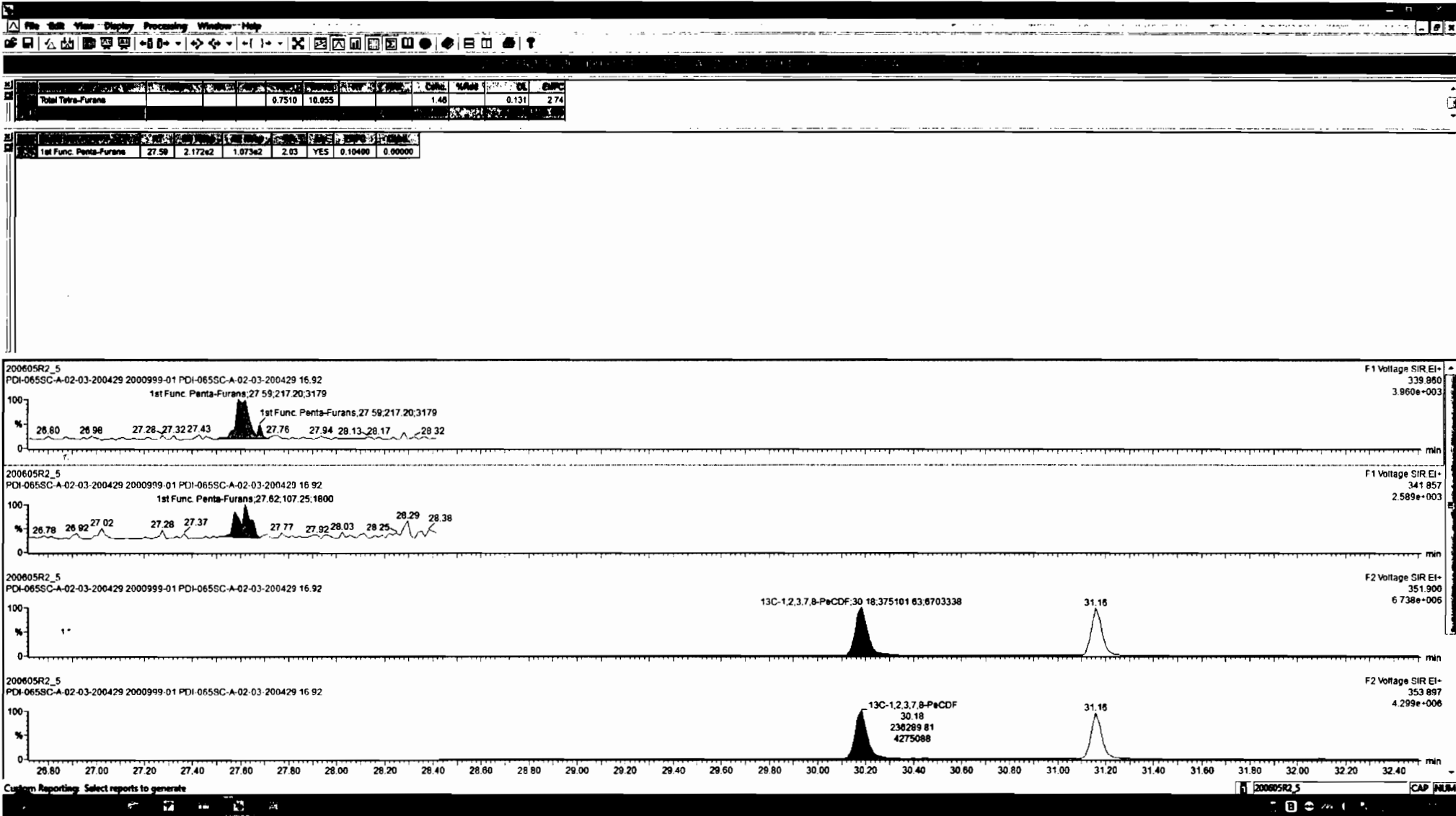
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D-E6

200605R2_5





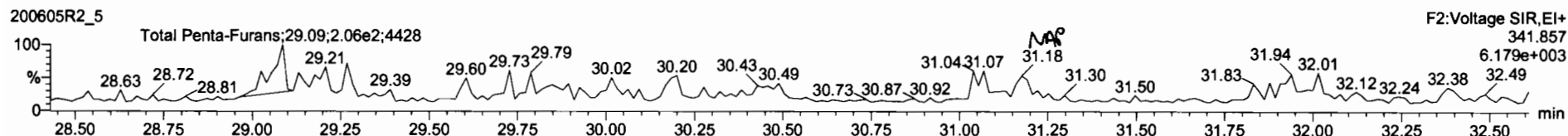
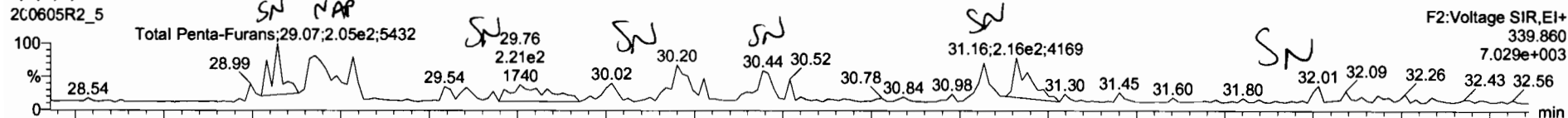
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

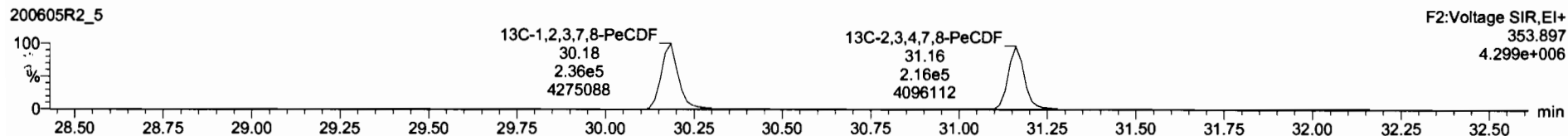
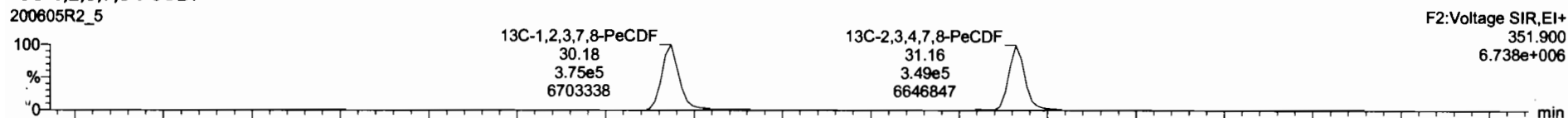
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

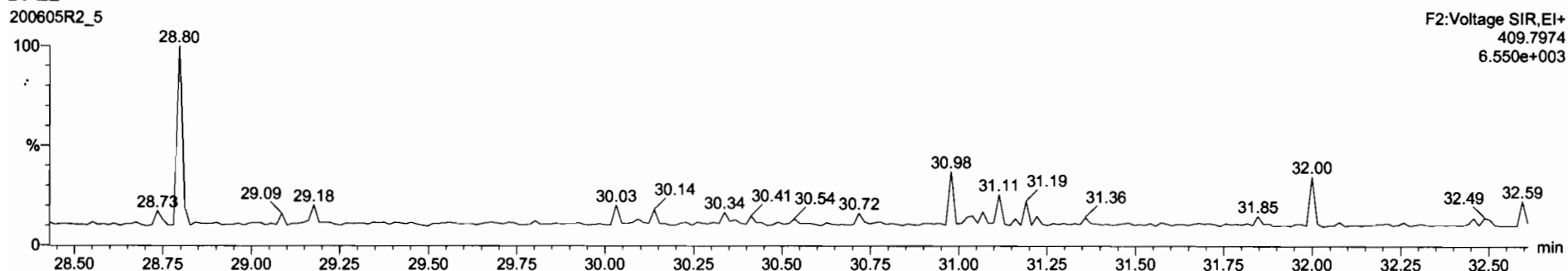
1,2,3,7,8-PeCDF



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



DPE2



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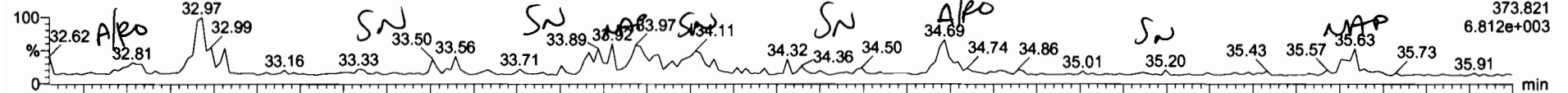
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

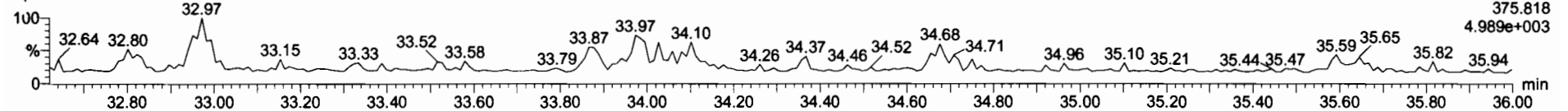
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1,2,3,4,7,8-HxCDF

200605R2_5

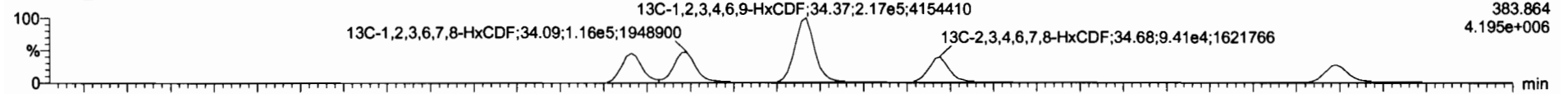


200605R2_5

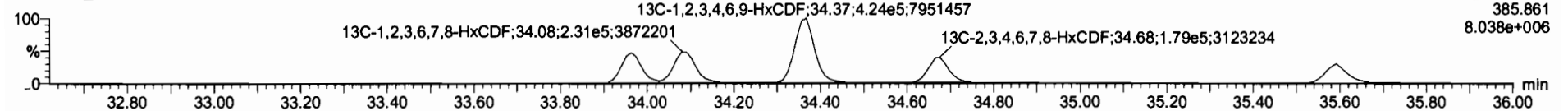


13C-1,2,3,4,7,8-HxCDF

200605R2_5

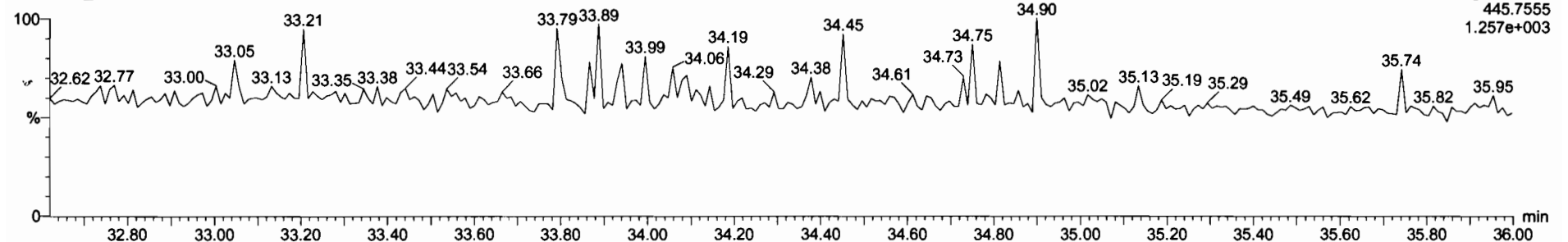


200605R2_5



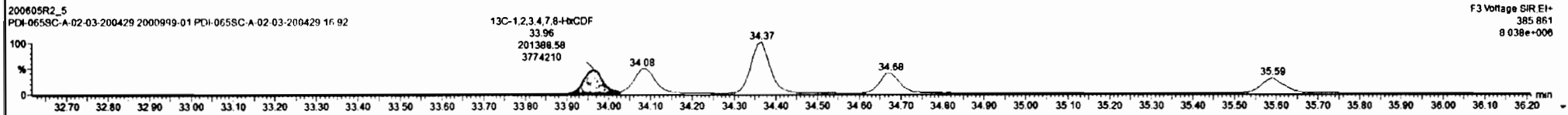
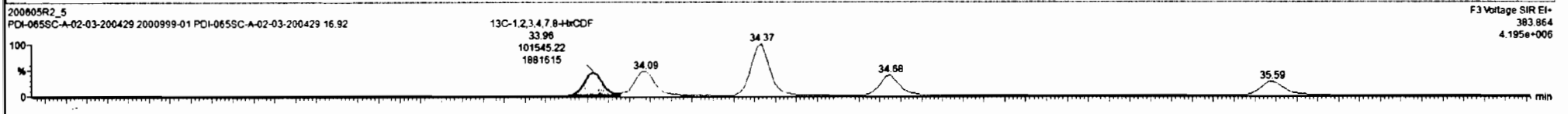
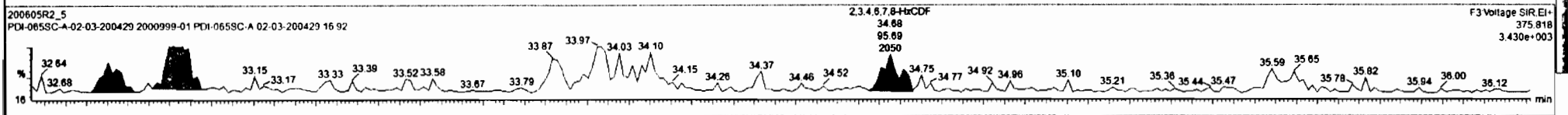
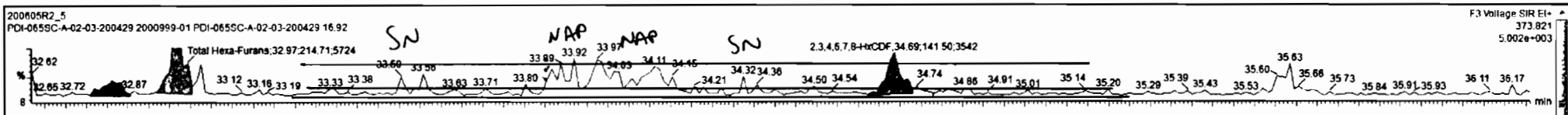
DPE3

200605R2_5



Total Hepta-Furans	0.8734	10.055	0.639	0.371	0.639
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RT	Area	Height	Width	SN	Yield	Check	
2,3,4,6,7,8-HxCDF	34.00	1.415e2	0.500e1	1.48	YES	0.10700	0.00000
Total Hexa-Furans	32.97	2.147e2	1.712e2	1.25	NO	0.28900	0.26750
Total Hexa-Furans	32.81	6.613e1	7.891e1	0.84	YES	0.069000	0.00000

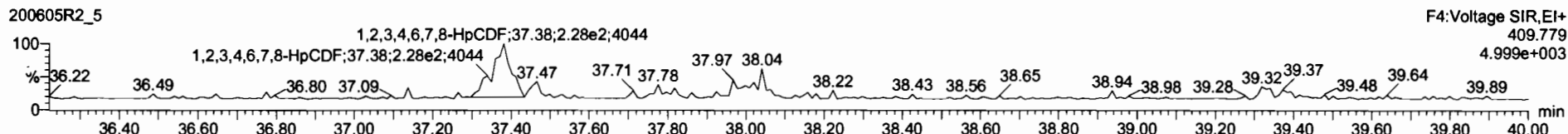
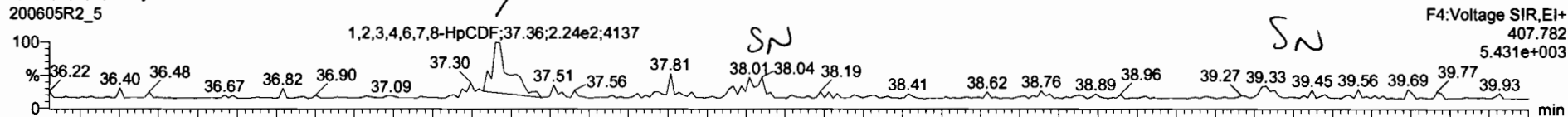


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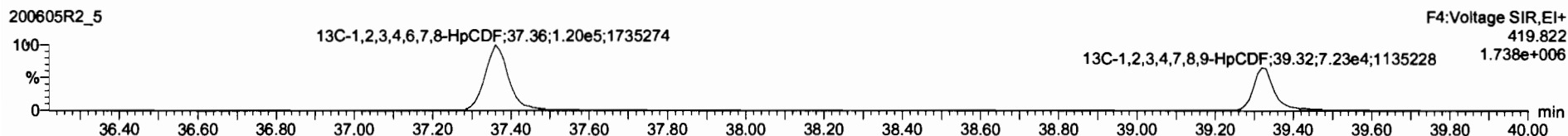
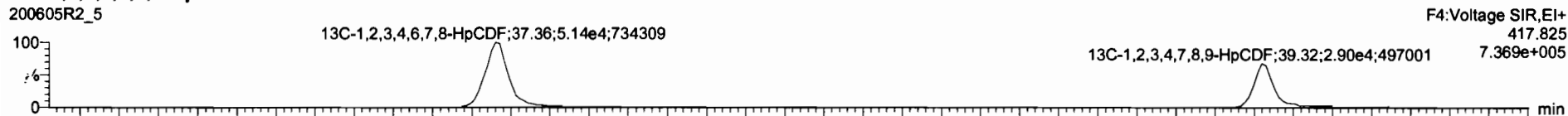
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

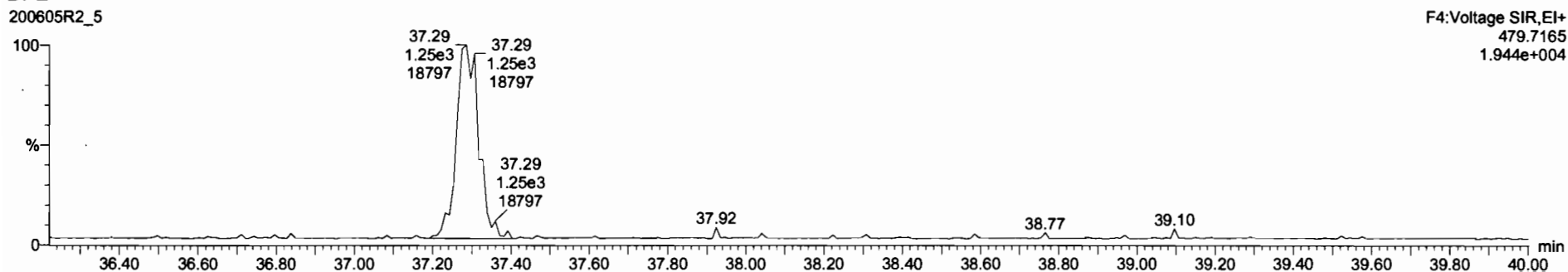
1,2,3,4,6,7,8-HpCDF

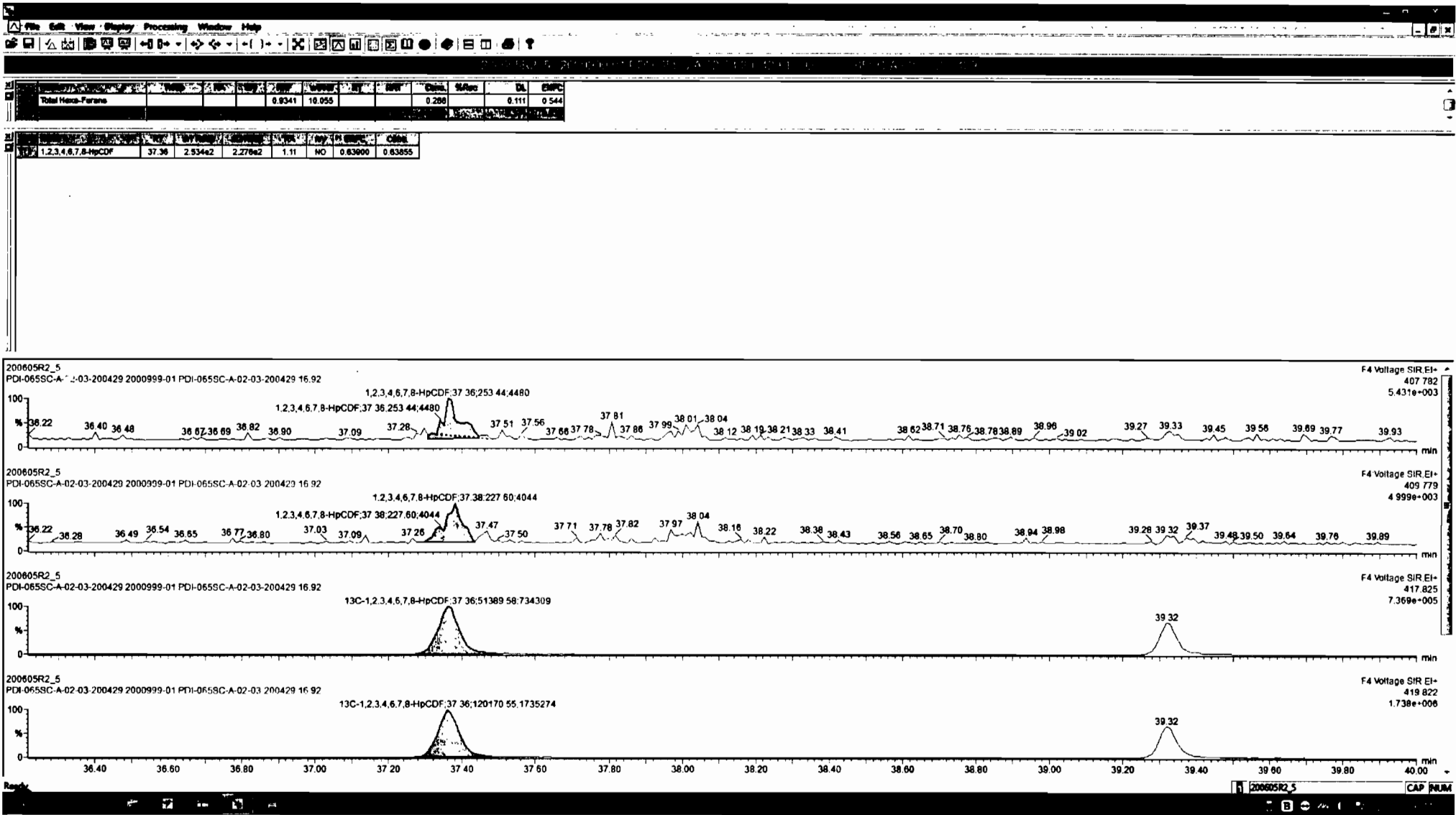


13C-1,2,3,4,6,7,8-HpCDF



DPE4

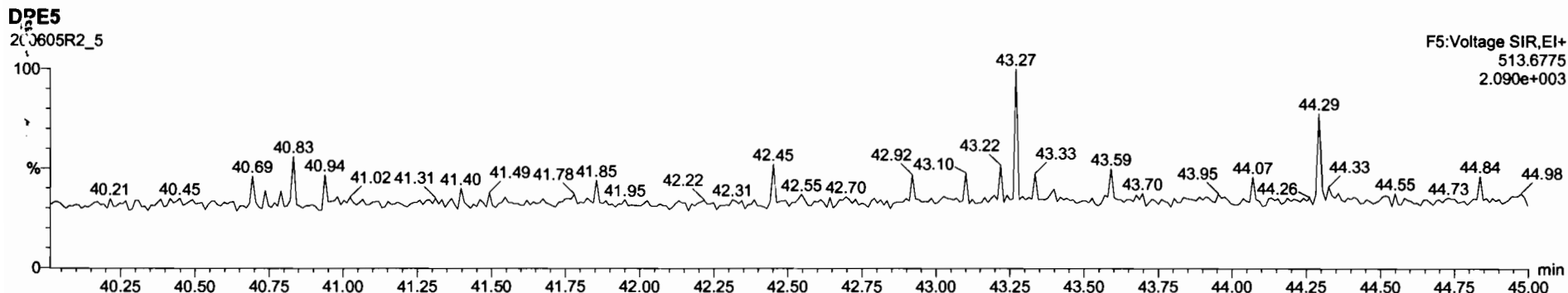
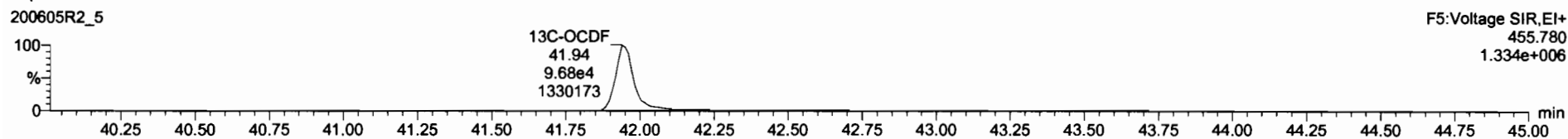
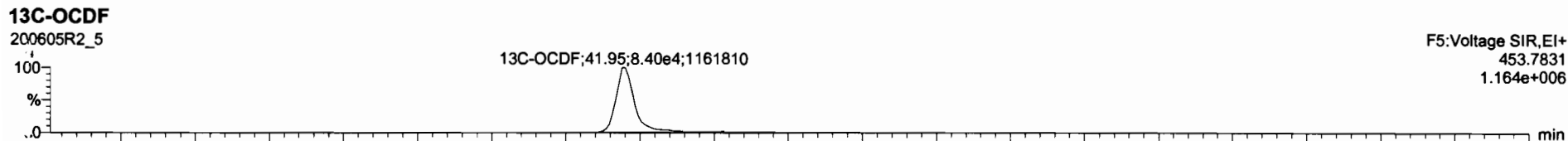
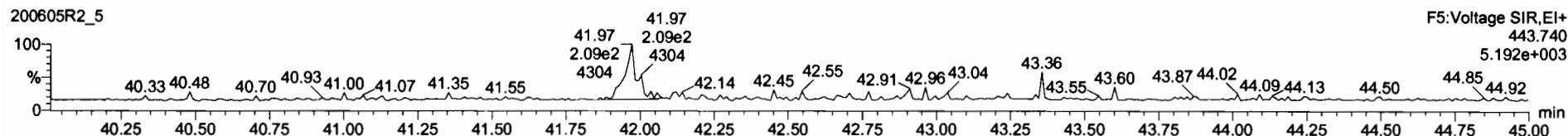
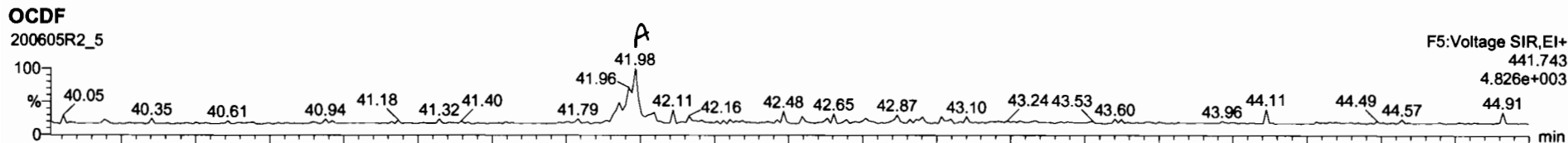


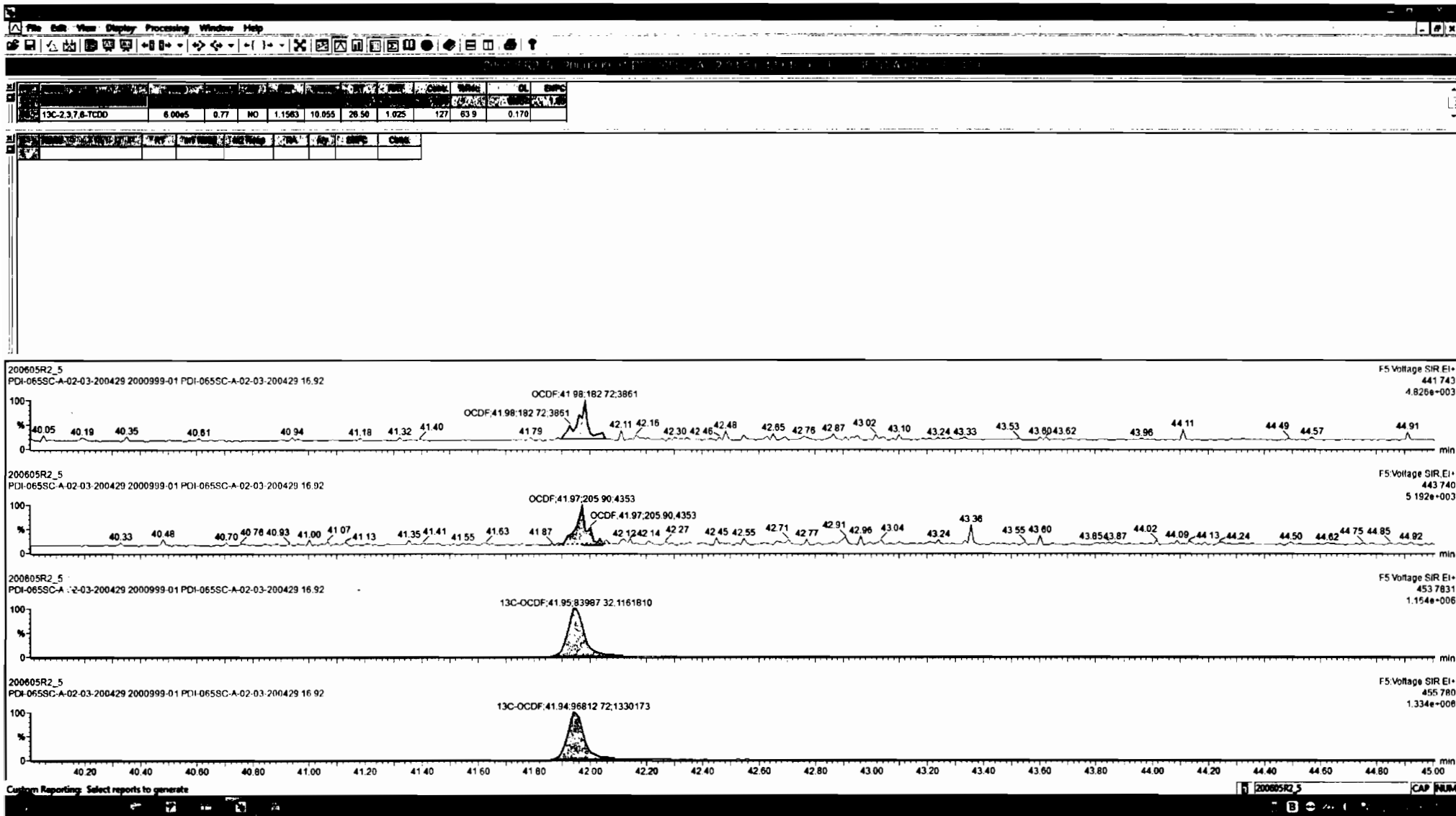


Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429



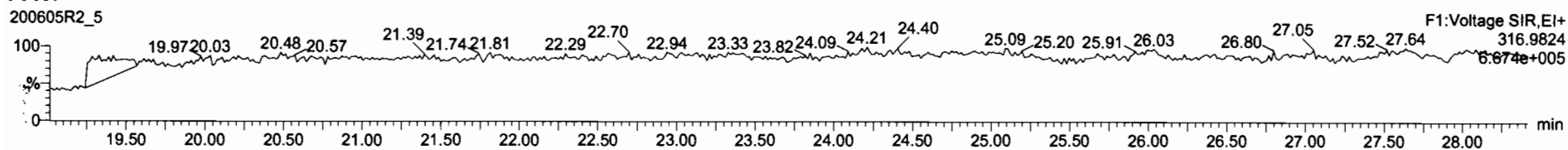


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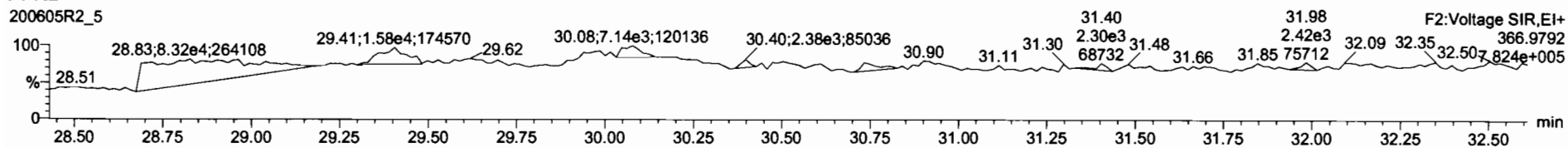
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_5, Date: 06-Jun-2020, Time: 01:27:31, ID: 2000999-01 PDI-065SC-A-02-03-200429 16.92, Description: PDI-065SC-A-02-03-200429

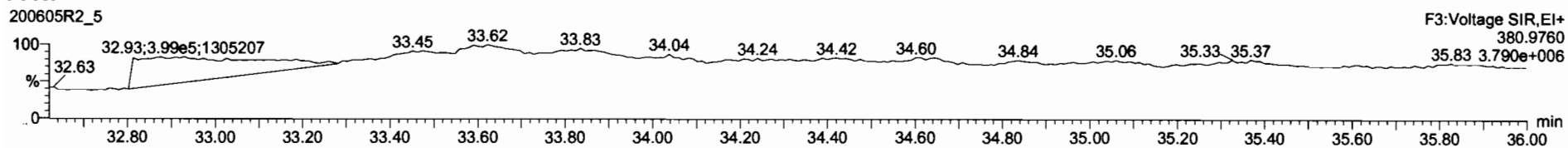
PFK1



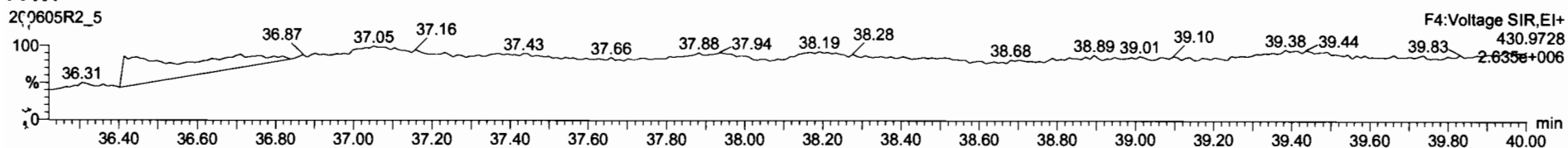
PFK2



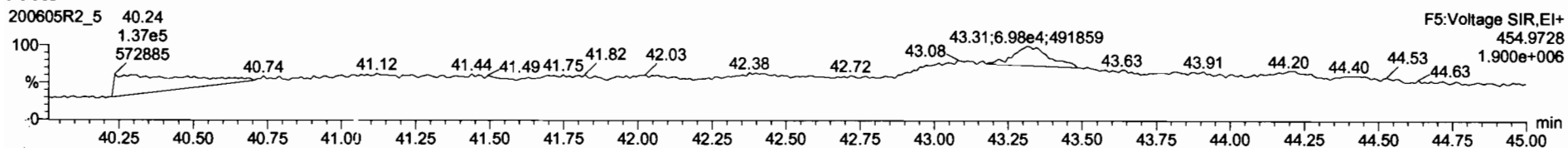
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-6.qld

Last Altered: Monday, June 08, 2020 12:57:33 Pacific Daylight Time
Printed: Monday, June 08, 2020 12:58:24 Pacific Daylight Time

GRS 06/08/2020
C106109/2020

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: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	RRR	RRT	Conc	%	Area
1	2,3,7,8-TCDD			NO	0.888	10.036	26.515		1.001				0.0430
2	1,2,3,7,8-PeCDD			NO	0.908	10.036	31.473		1.001				0.0604
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.036	34.835		1.000				0.0847
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.036	34.932		1.000				0.0925
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.036	35.220		1.000				0.108
6	1,2,3,4,6,7,8-HpCDD	6.75e2	1.06	NO	0.864	10.036	38.767	38.76	1.000	1.000	0.39511		0.146 0.395
7	OCDD	4.42e3	0.94	NO	0.914	10.036	41.727	41.76	1.000	1.001	3.0141		0.189 3.01
8	2,3,7,8-TCDF			NO	0.751	10.036	25.612		1.001				0.0362
9	1,2,3,7,8-PeCDF			NO	0.893	10.036	30.190		1.001				0.0402
10	2,3,4,7,8-PeCDF			NO	0.935	10.036	31.176		1.001				0.0348
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.036	33.952		1.000				0.0674
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.036	34.079		1.000				0.0595
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.036	34.690		1.001				0.0587
14	1,2,3,7,8,9-HxCDF	1.66e2	0.90	YES	0.871	10.036	35.571	35.58	1.000	1.000	0.071849		0.0283 0.0614
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.036	37.386		1.001				0.0951
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.036	39.299		1.000				0.0948
17	OCDF	2.68e2	0.87	NO	0.806	10.036	41.918	41.94	1.000	1.001	0.17415		0.106 0.174
18	13C-2,3,7,8-TCDD	9.31e5	0.79	NO	1.16	10.036	26.507	26.48	1.026	1.025	201.50	101	0.174
19	13C-1,2,3,7,8-PeCDD	6.96e5	0.62	NO	0.849	10.036	31.692	31.45	1.227	1.218	205.28	103	0.309
20	13C-1,2,3,4,7,8-HxCDD	5.45e5	1.26	NO	0.779	10.036	34.830	34.83	1.014	1.014	220.12	110	0.576
21	13C-1,2,3,6,7,8-HxCDD	6.43e5	1.22	NO	1.02	10.036	34.944	34.93	1.017	1.017	198.88	99.8	0.442
22	13C-1,2,3,7,8,9-HxCDD	5.55e5	1.16	NO	0.903	10.036	35.215	35.21	1.025	1.025	193.35	97.0	0.497
23	13C-1,2,3,4,6,7,8-HpCDD	3.94e5	1.04	NO	0.689	10.036	38.739	38.76	1.128	1.128	179.76	90.2	0.566
24	13C-OCDD	6.39e5	0.92	NO	0.652	10.036	41.761	41.73	1.216	1.215	308.24	77.3	0.528
25	13C-2,3,7,8-TCDF	1.18e6	0.76	NO	1.06	10.036	25.549	25.59	0.989	0.991	193.13	96.9	0.266
26	13C-1,2,3,7,8-PeCDF	1.00e6	1.59	NO	0.838	10.036	30.076	30.17	1.165	1.168	207.55	104	0.846
27	13C-2,3,4,7,8-PeCDF	1.00e6	1.60	NO	0.817	10.036	31.029	31.15	1.202	1.206	212.53	107	0.868
28	13C-1,2,3,4,7,8-HxCDF	5.51e5	0.51	NO	1.01	10.036	33.961	33.95	0.989	0.989	171.83	86.2	0.811
29	13C-1,2,3,6,7,8-HxCDF	6.36e5	0.50	NO	1.17	10.036	34.085	34.07	0.992	0.992	171.35	86.0	0.700
30	13C-2,3,4,6,7,8-HxCDF	6.50e5	0.51	NO	1.02	10.036	34.659	34.65	1.009	1.009	199.93	100	0.799
31	13C-1,2,3,7,8,9-HxCDF	5.28e5	0.51	NO	0.860	10.036	35.558	35.57	1.035	1.036	193.29	97.0	0.950

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-6.qld

Last Altered: Monday, June 08, 2020 12:57:33 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:58:24 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

#	Name	Resp	RA	n/y	RRF	w/vol	Prod.RT	Yield	Det.RRF	Area	Conc	Recovery	Limit
32	13C-1,2,3,4,6,7,8-HpCDF	4.16e5	0.42	NO	0.774	10.036	37.307	37.35	1.086	1.087	168.92	84.8	0.596
33	13C-1,2,3,4,7,8,9-HpCDF	3.10e5	0.42	NO	0.521	10.036	39.336	39.30	1.145	1.144	187.24	94.0	0.885
34	13C-OCDF	7.61e5	0.91	NO	0.746	10.036	41.933	41.92	1.221	1.220	320.72	80.5	0.423
35	37Cl-2,3,7,8-TCDD	3.46e5			1.04	10.036	26.538	26.51	1.028	1.027	83.432	105	0.0528
36	13C-1,2,3,4-TCDD	7.96e5	0.79	NO	1.00	10.036	25.890	25.83	1.000	1.000	199.28	100	0.201
37	13C-1,2,3,4-TCDF	1.15e6	0.78	NO	1.00	10.036	24.360	24.15	1.000	1.000	199.28	100	0.282
38	13C-1,2,3,4,6,9-HxCDF	6.34e5	0.50	NO	1.00	10.036	34.420	34.35	1.000	1.000	199.28	100	0.817
39	Total Tetra-Dioxins				0.888	10.036	24.620		0.000				0.0241
40	Total Penta-Dioxins				0.908	10.036	29.960		0.000				0.0217
41	Total Hexa-Dioxins				0.892	10.036	33.635		0.000		0.13603		0.0535 0.136
42	Total Hepta-Dioxins				0.864	10.036	37.640		0.000		0.80608		0.146 0.806
43	Total Tetra-Furans				0.751	10.036	23.610		0.000				0.0132
44	1st Func. Penta-Furans				0.893	10.036	27.580		0.000				0.00750
45	Total Penta-Furans				0.893	10.036	29.275		0.000				0.0153
46	Total Hexa-Furans				0.934	10.036	33.555		0.000		0.00000		0.0283 0.0682
47	Total Hepta-Furans				0.873	10.036	37.835		0.000				0.0700

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-6.qld

Last Altered: Monday, June 08, 2020 12:57:33 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:58:24 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: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.32	3.577e3	3.377e3	1.821e2	1.719e2	1.06	NO	3.540e2	0.13603	0.13603	0.0535

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.75	6.521e3	4.758e3	3.604e2	3.416e2	1.06	NO	7.020e2	0.41096	0.41096	0.146
1,2,3,4,6,7,8-HpCDD	38.76	5.733e3	5.192e3	3.468e2	3.282e2	1.06	NO	6.749e2	0.39511	0.39511	0.146

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\200605R2\200605R2-6.qld

Last Altered: Monday, June 08, 2020 12:57:33 Pacific Daylight Time
 Printed: Monday, June 08, 2020 12:58:24 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

Penta-Furans

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

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.58	2.368e3	2.040e3	7.843e1	8.746e1	0.90	YES	1.659e2	0.00000	0.061366	0.0383
Total Hexa-Furans	35.61	6.740e2	5.460e2	2.307e1	8.460e0	2.73	YES	0.000e0	0.00000	0.00683...	0.0283

Hepta-Furans

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

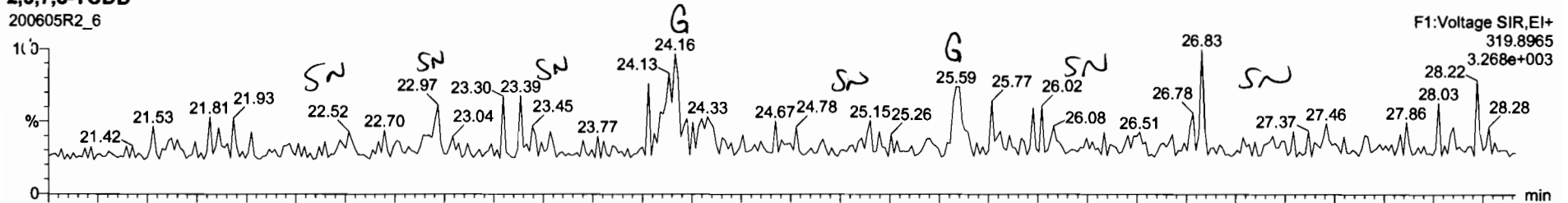
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

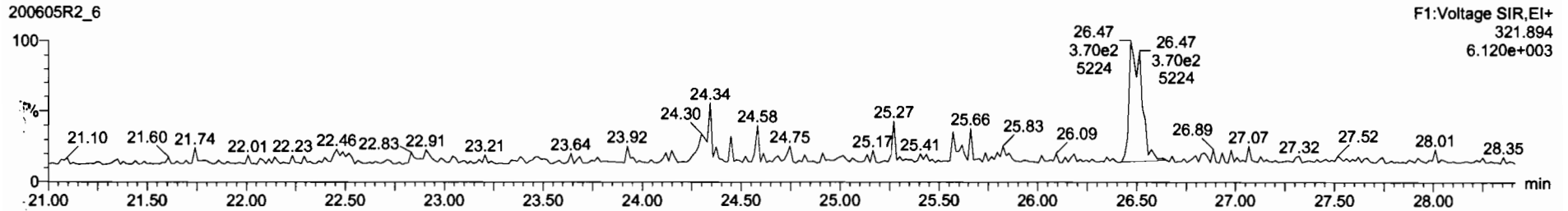
Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

2,3,7,8-TCDD

200605R2_6

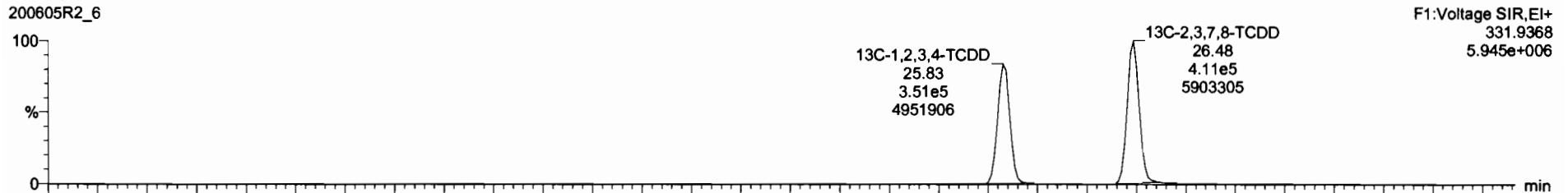


200605R2_6

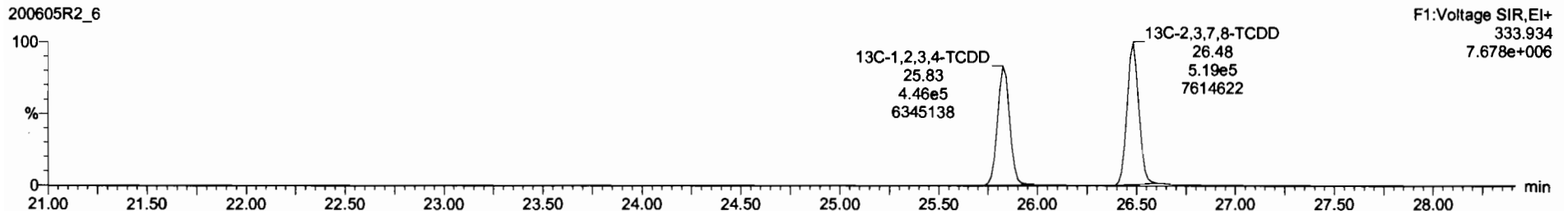


13C-2,3,7,8-TCDD

200605R2_6



200605R2_6



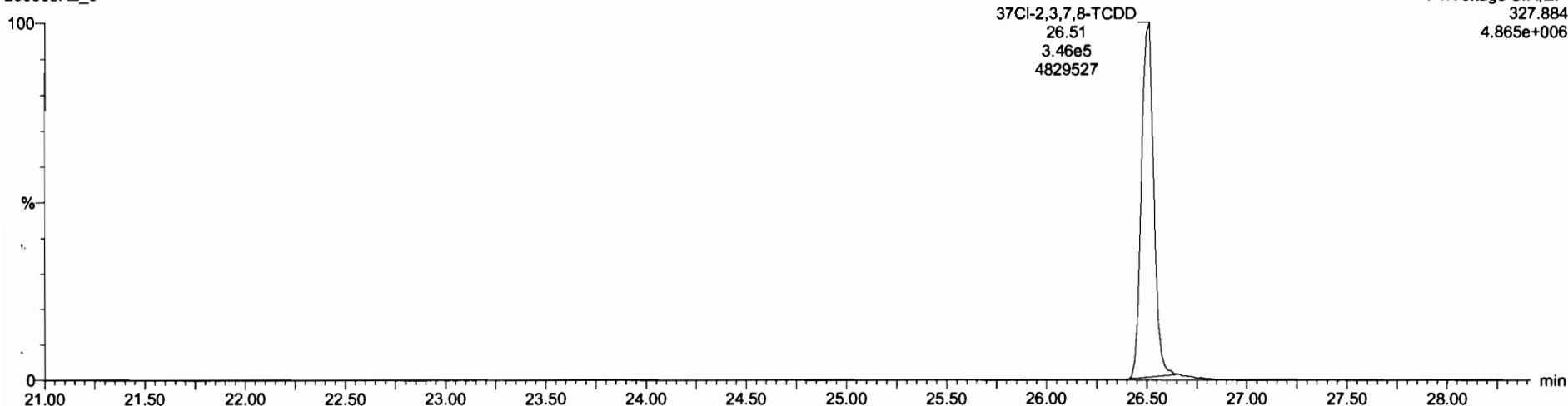
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

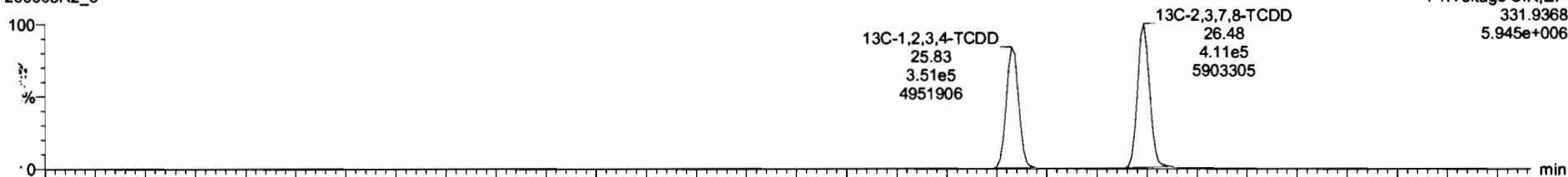
37Cl-2,3,7,8-TCDD

200605R2_6

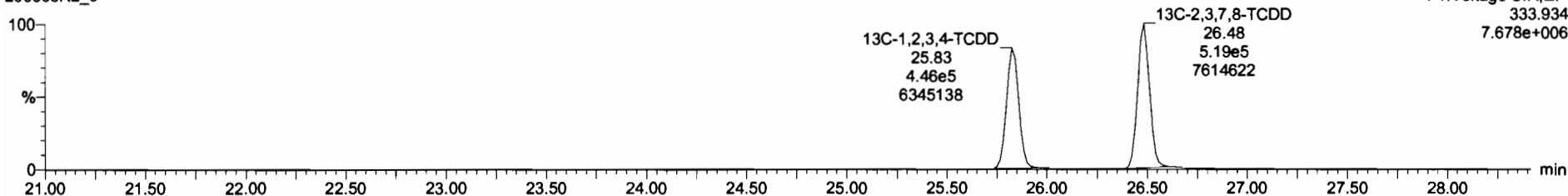


13C-1,2,3,4-TCDD

200605R2_6



200605R2_6



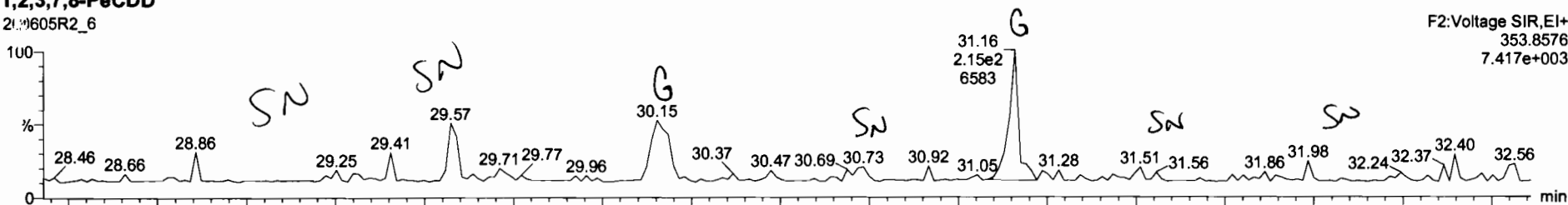
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

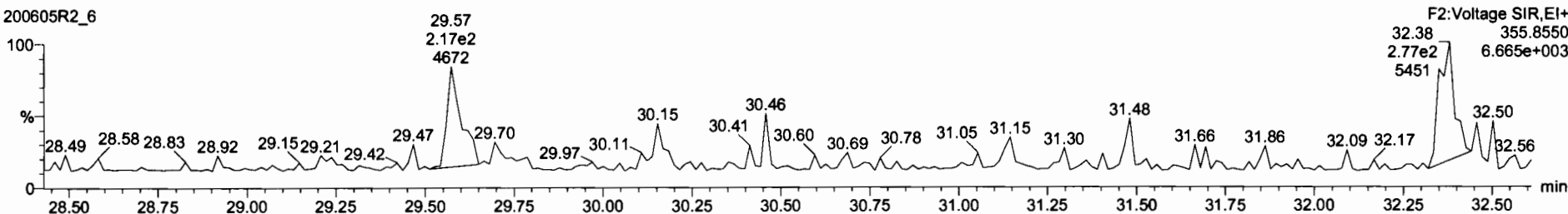
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1,2,3,7,8-PeCDD

200605R2_6

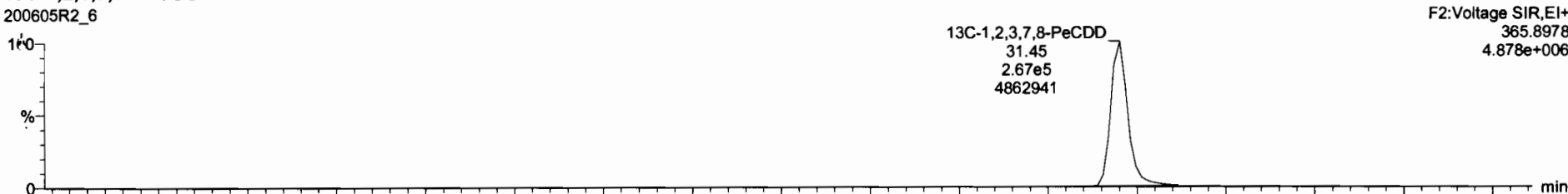


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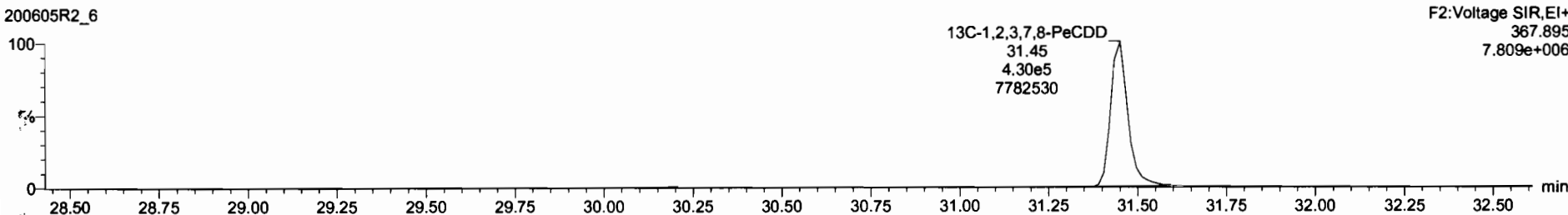


13C-1,2,3,7,8-PeCDD

200605R2_6



200605R2_6



Dataset: Untitled

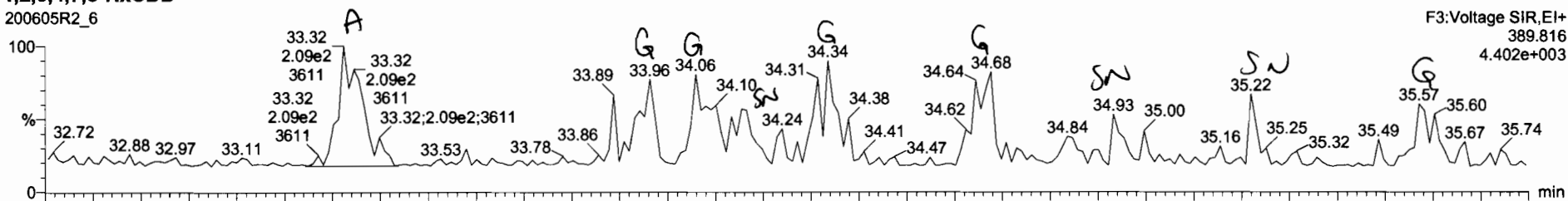
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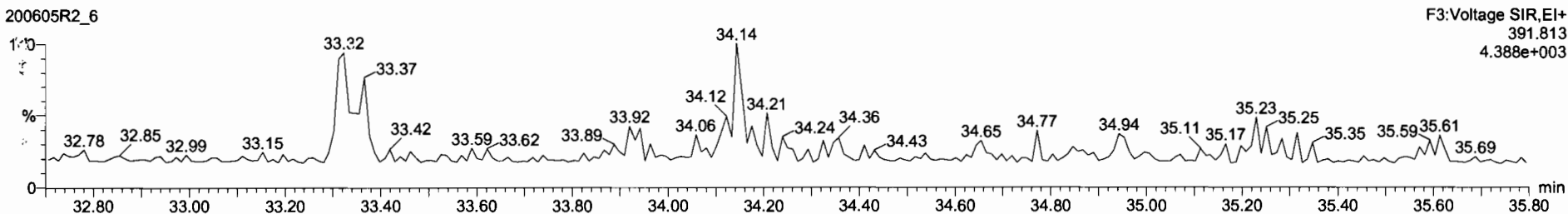
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1,2,3,4,7,8-HxCDD

200605R2_6



200605R2_6

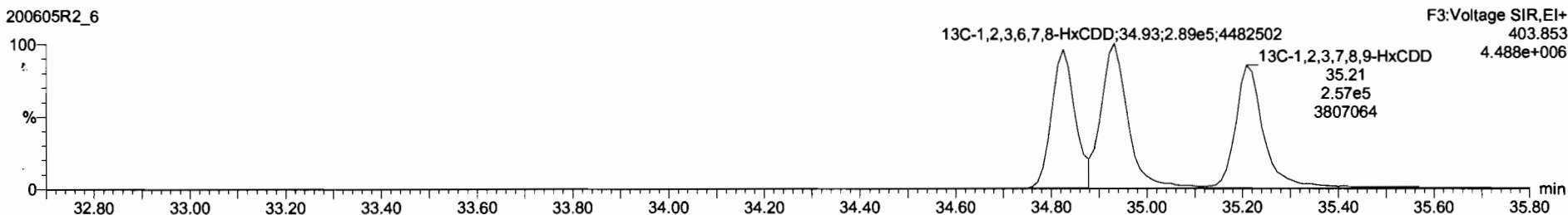


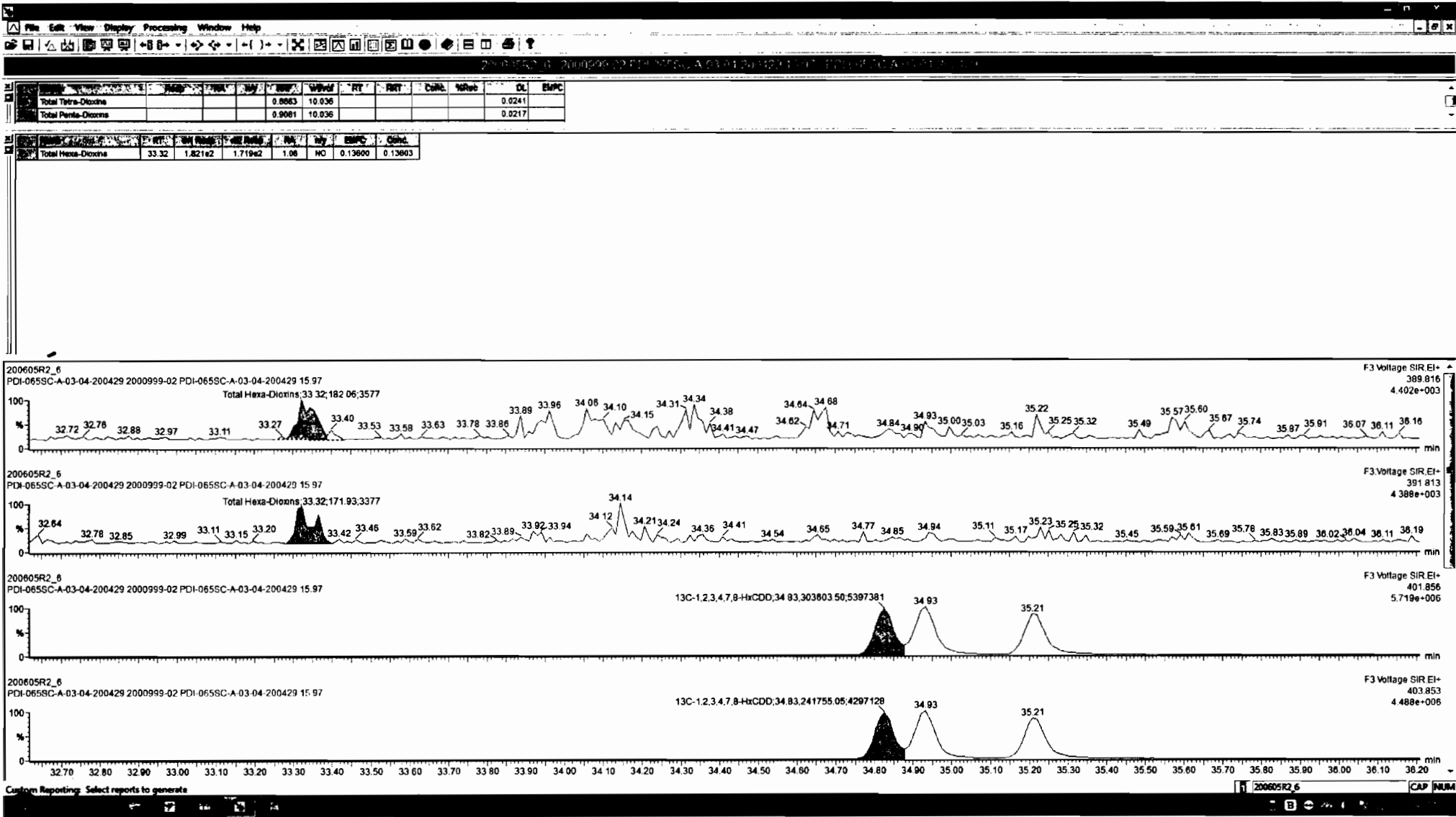
13C-1,2,3,4,7,8-HxCDD

200605R2_6



200605R2_6





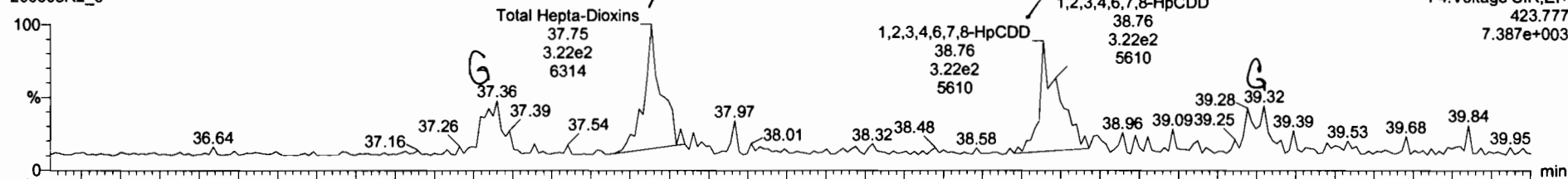
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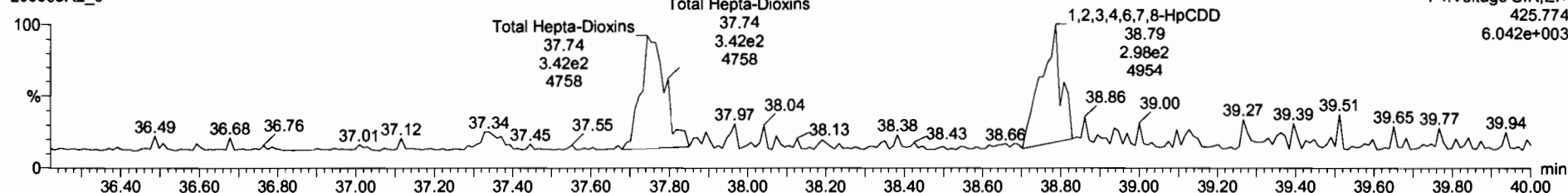
1,2,3,4,6,7,8-HpCDD

200605R2_6



F4:Voltage SIR,EI+
423.777
7.387e+003

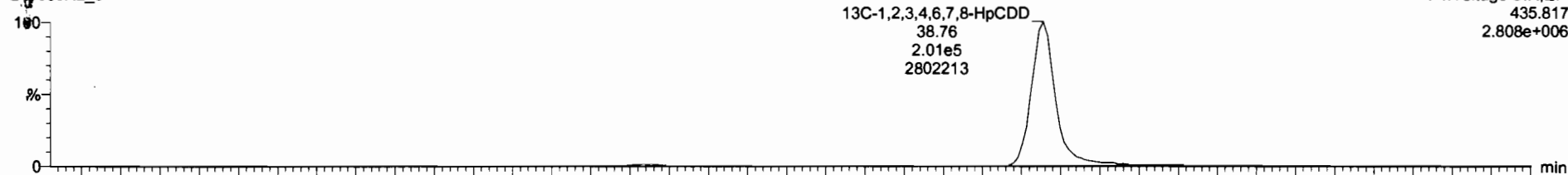
200605R2_6



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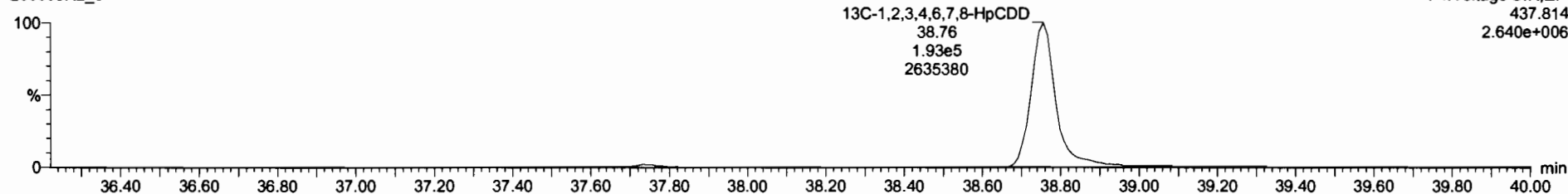
13C-1,2,3,4,6,7,8-HpCDD

200605R2_6



F4:Voltage SIR,EI+
435.817
2.808e+006

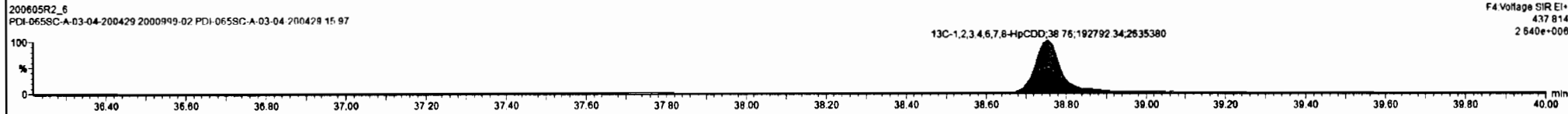
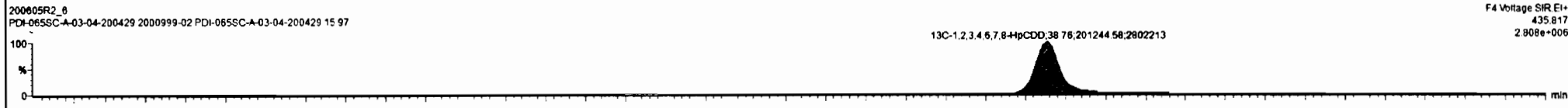
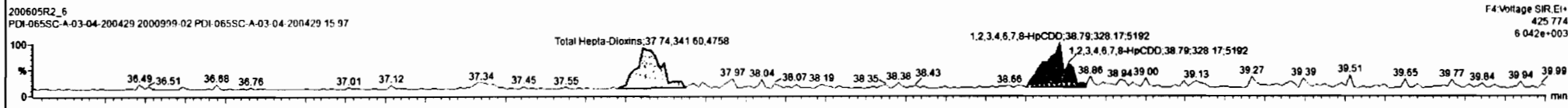
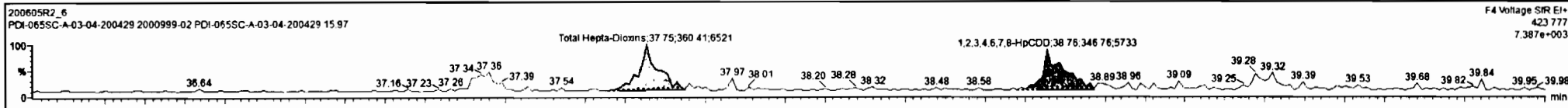
200605R2_6



F4:Voltage SIR,EI+
437.814
2.640e+006

Sample Name	Area	Height	Width	Retention	Integration	Integration	Integration
Total Tetra-Furans		0.7510	16.036				0.0132

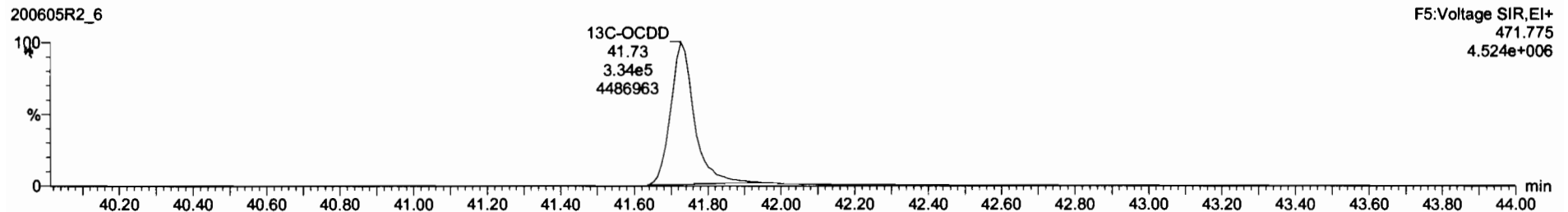
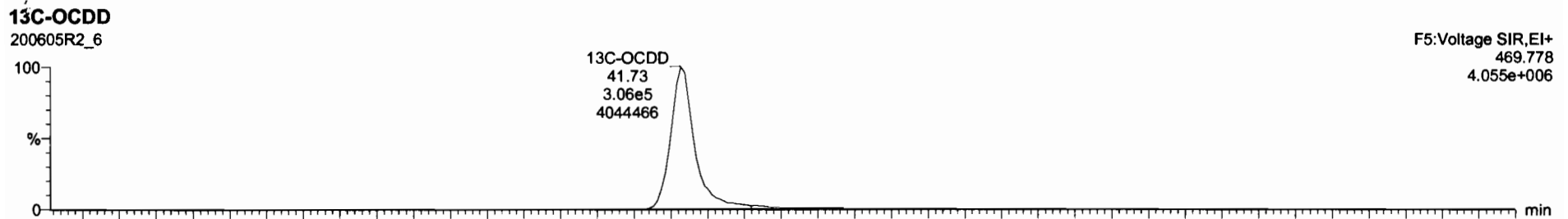
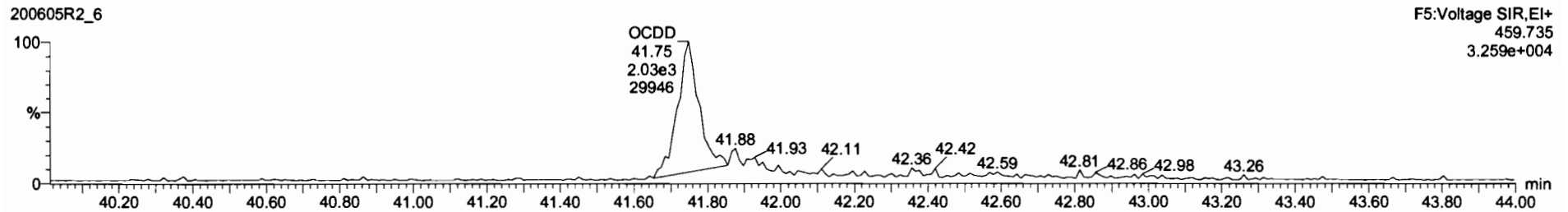
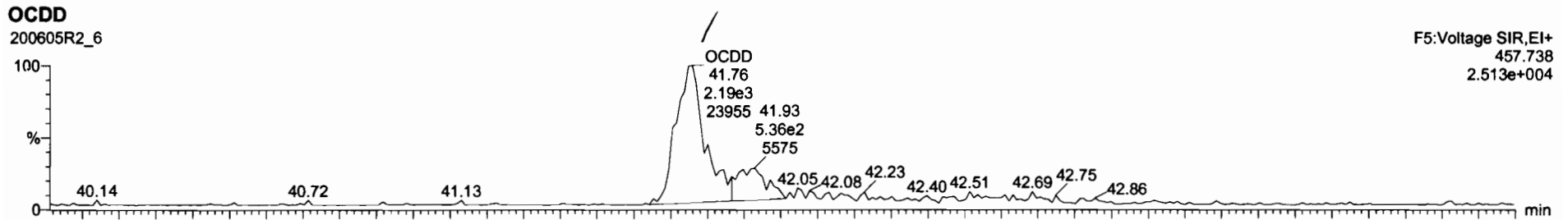
Sample Name	Area	Height	Width	Retention	Integration	Integration	Integration
1,2,3,4,6,7,8-HpCDD	38.76	3.48642	3.28242	1.06	NO	0.30500	0.30511
Total Hepta-Dioxins	37.75	3.60442	3.41642	1.05	NO	0.41100	0.41096



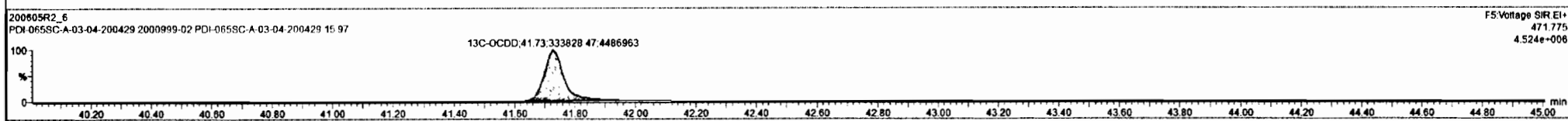
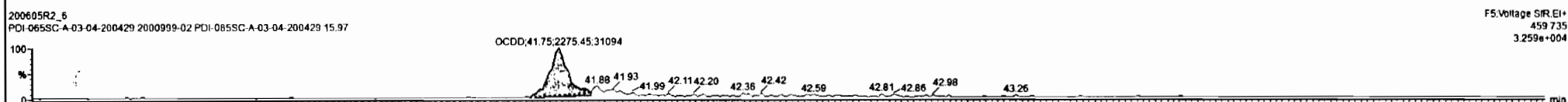
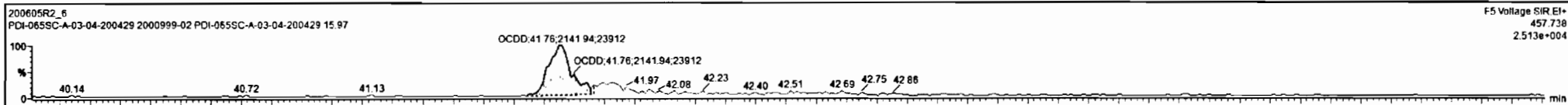
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429



NO	RT	Area	Height	W	Area%	Height%	Conc.
2,3,7,8-TCDF	NO	0.7510	10.036				0.0362

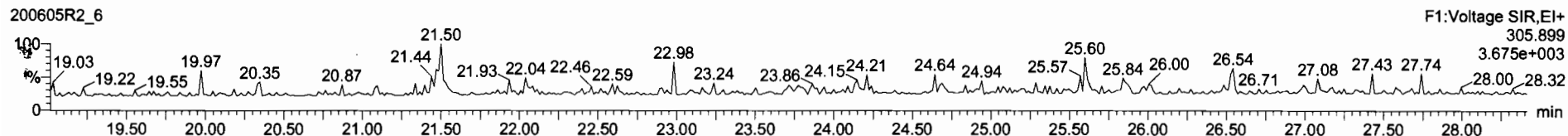
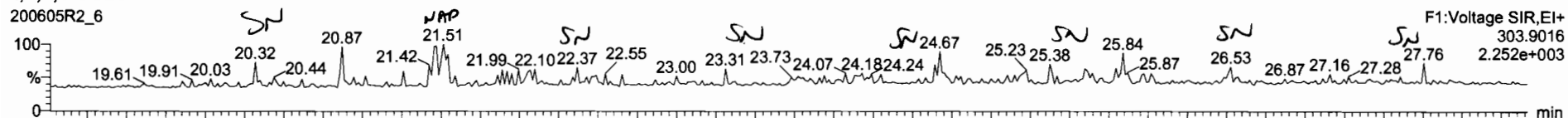


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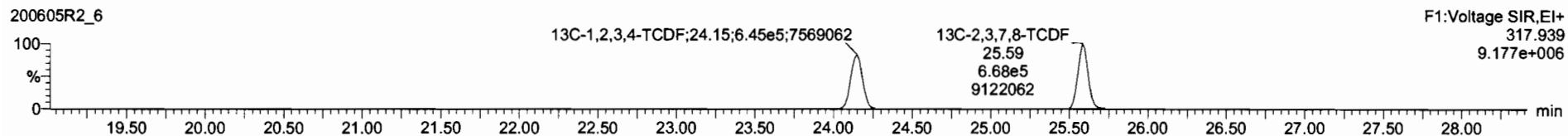
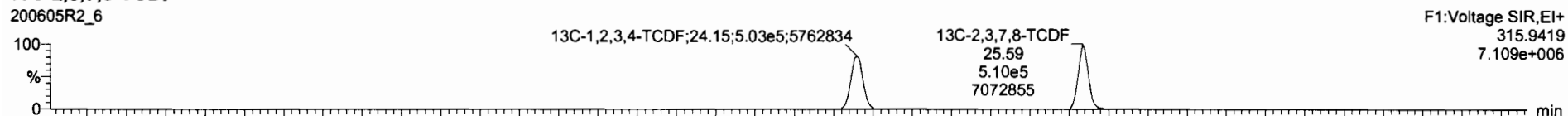
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

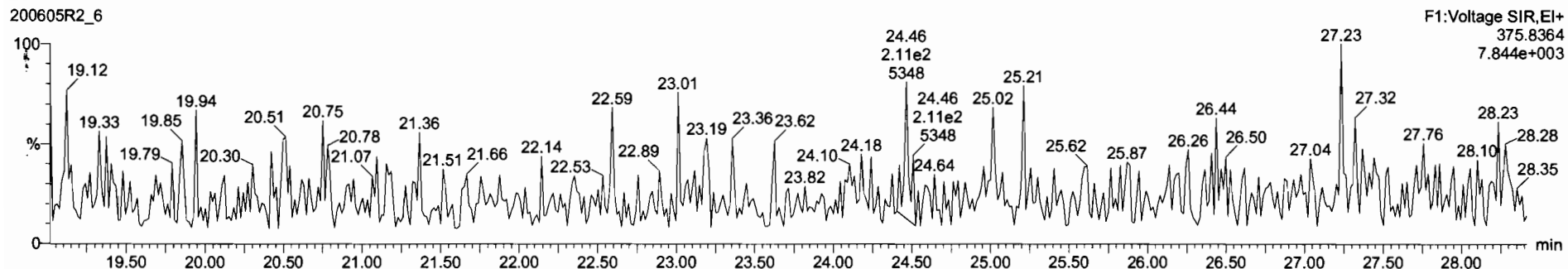
2-,3,7,8-TCDF



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



DPE1



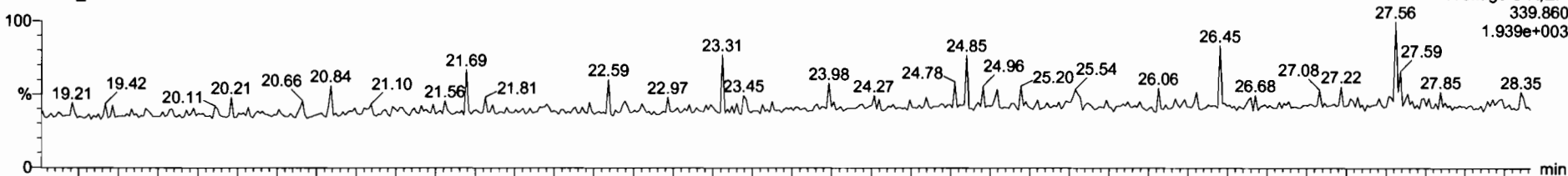
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

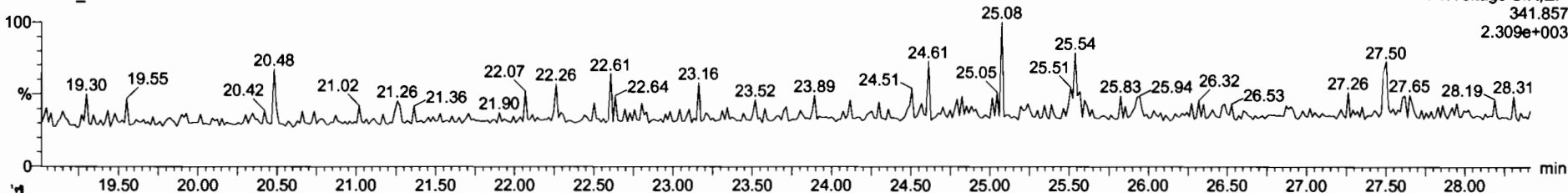
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1st Func. Penta-Furans

200605R2_6

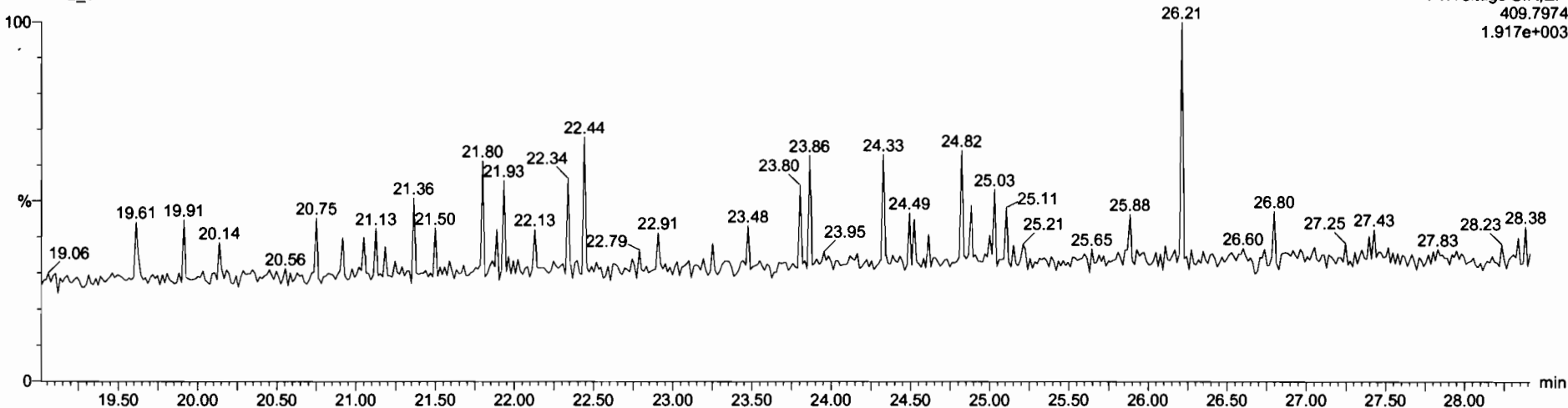


200605R2_6



DPE6

200605R2_6



Dataset: Untitled

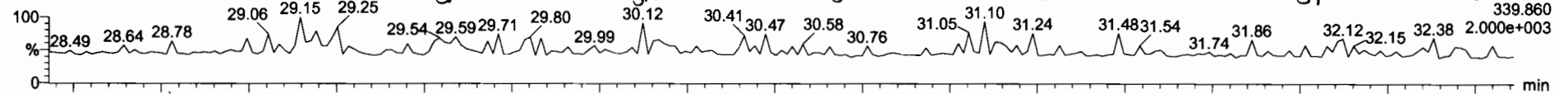
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

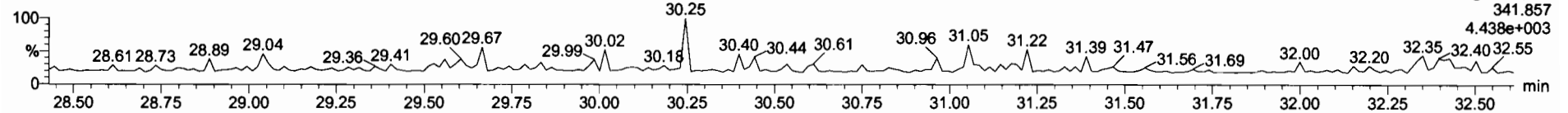
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1,2,3,7,8-PeCDF

200605R2_6

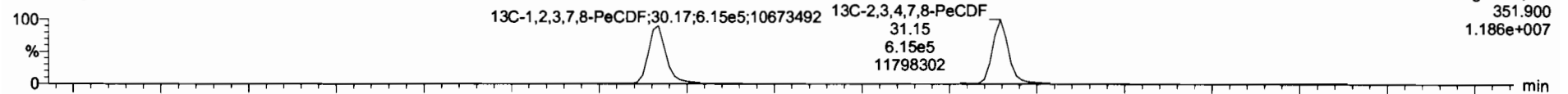


200605R2_6

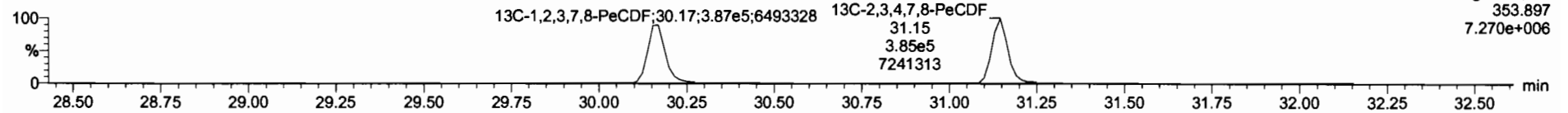


13C-1,2,3,7,8-PeCDF

200605R2_6

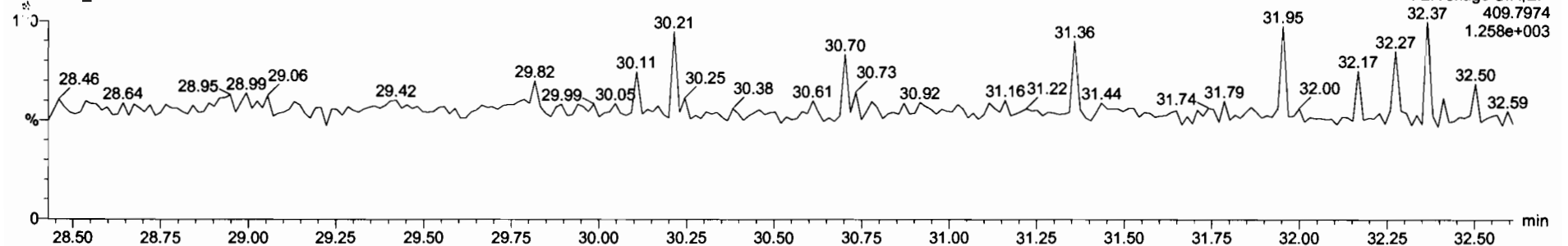


200605R2_6



DPE2

200605R2_6

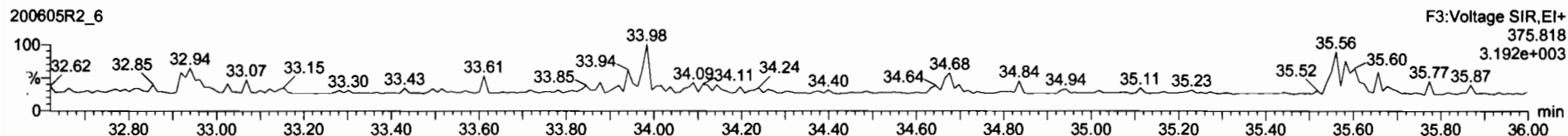
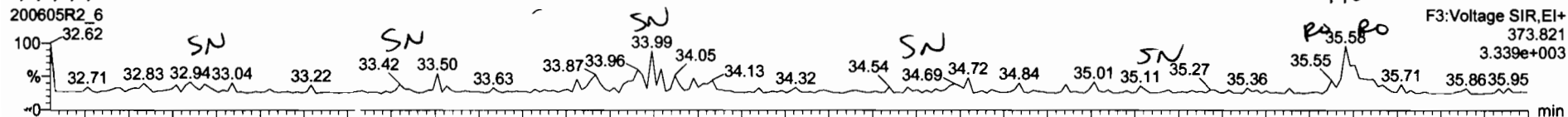


Dataset: Untitled

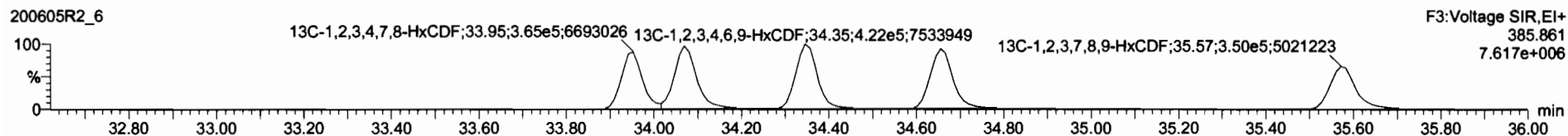
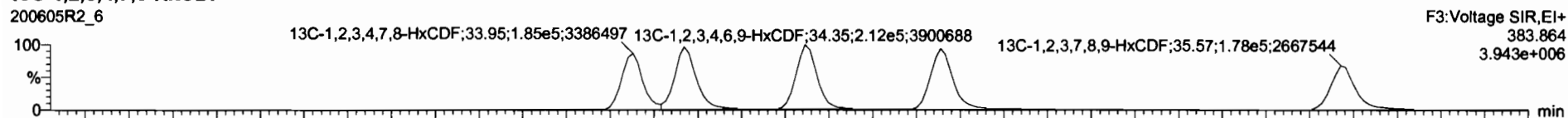
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

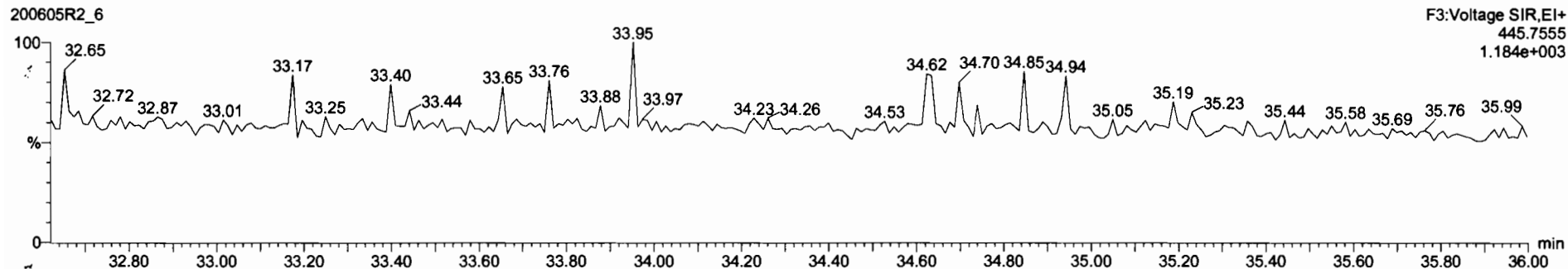
1,2,3,4,7,8-HxCDF

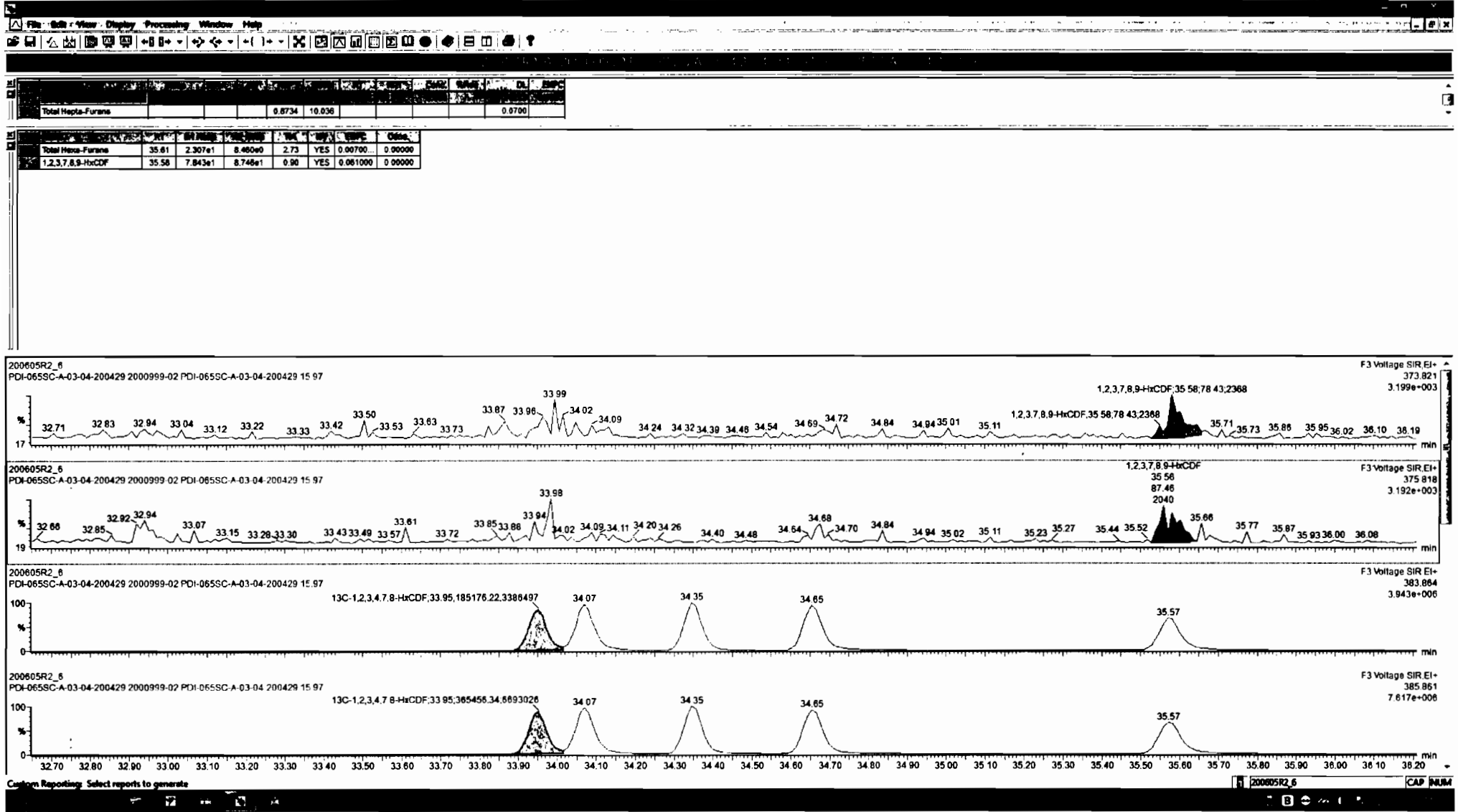


13C-1,2,3,4,7,8-HxCDF



DPE3





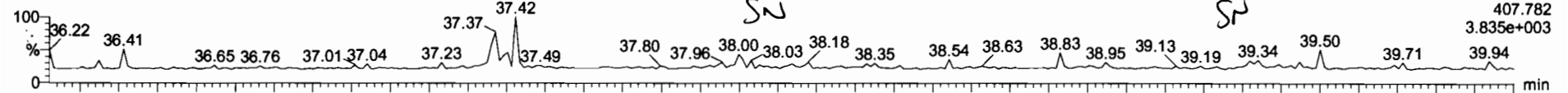
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

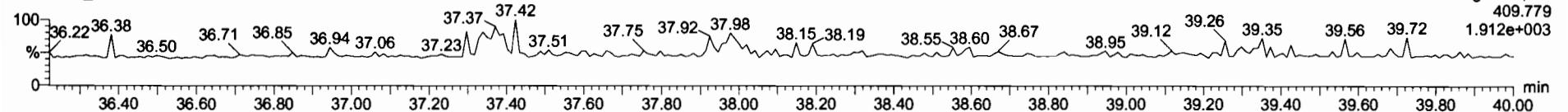
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1,2,3,4,6,7,8-HpCDF

200605R2_6

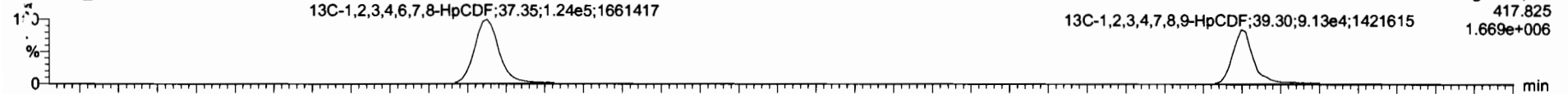


200605R2_6

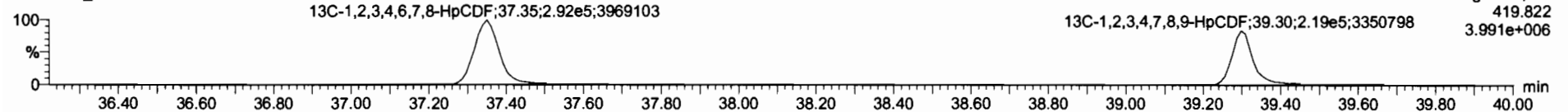


13C-1,2,3,4,6,7,8-HpCDF

200605R2_6

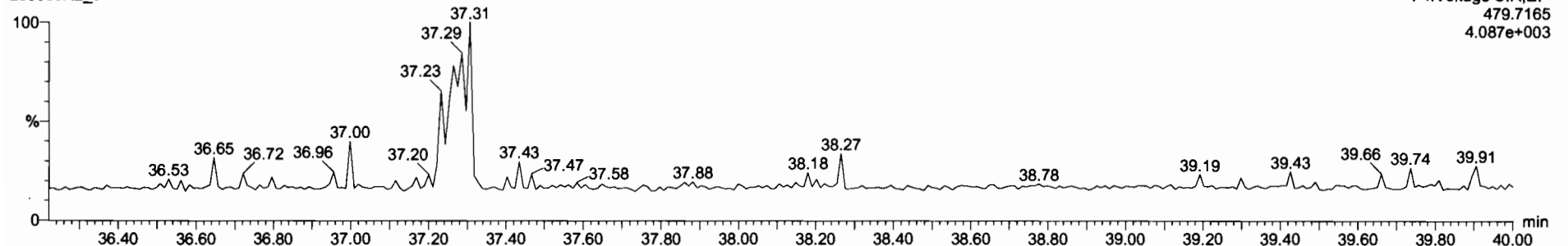


200605R2_6



DPE4

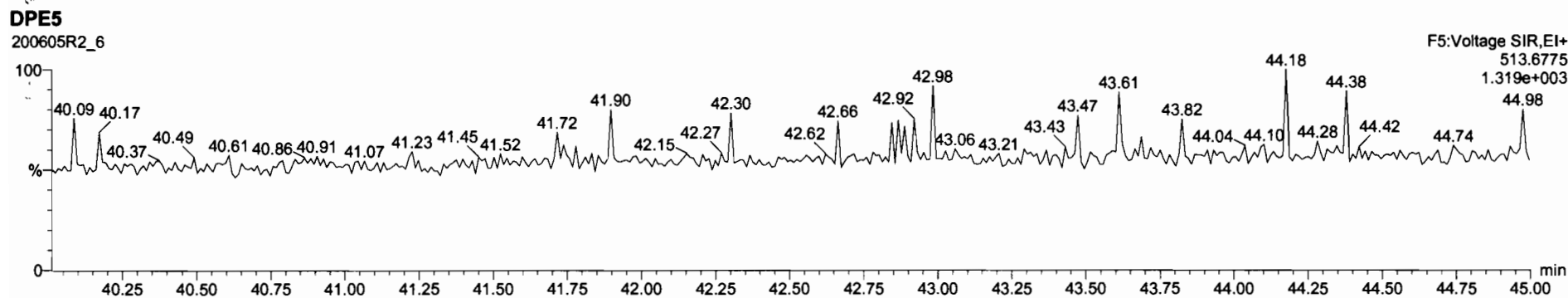
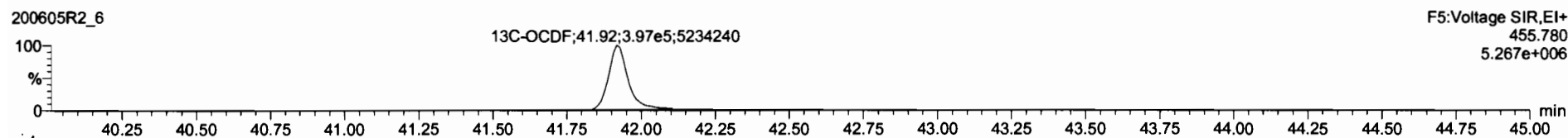
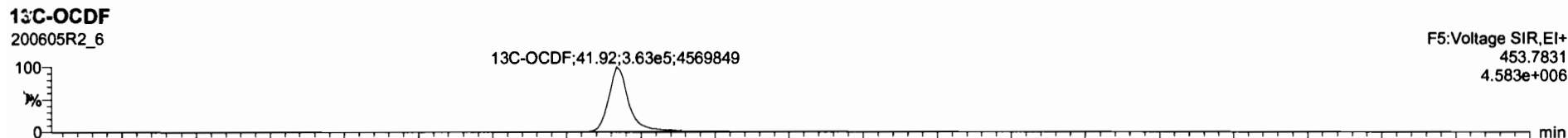
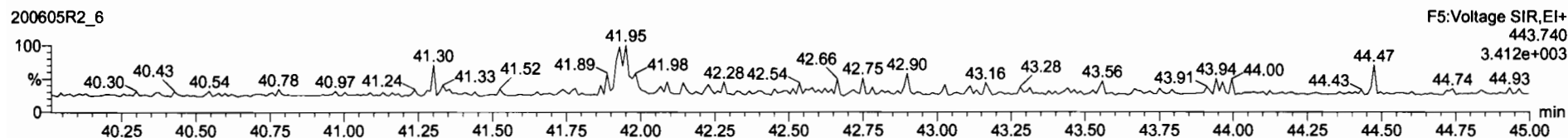
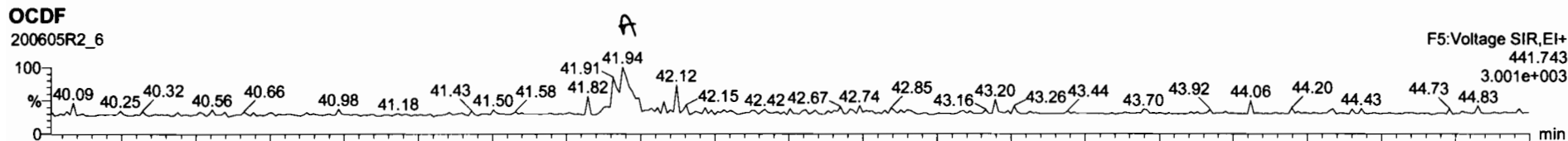
200605R2_6

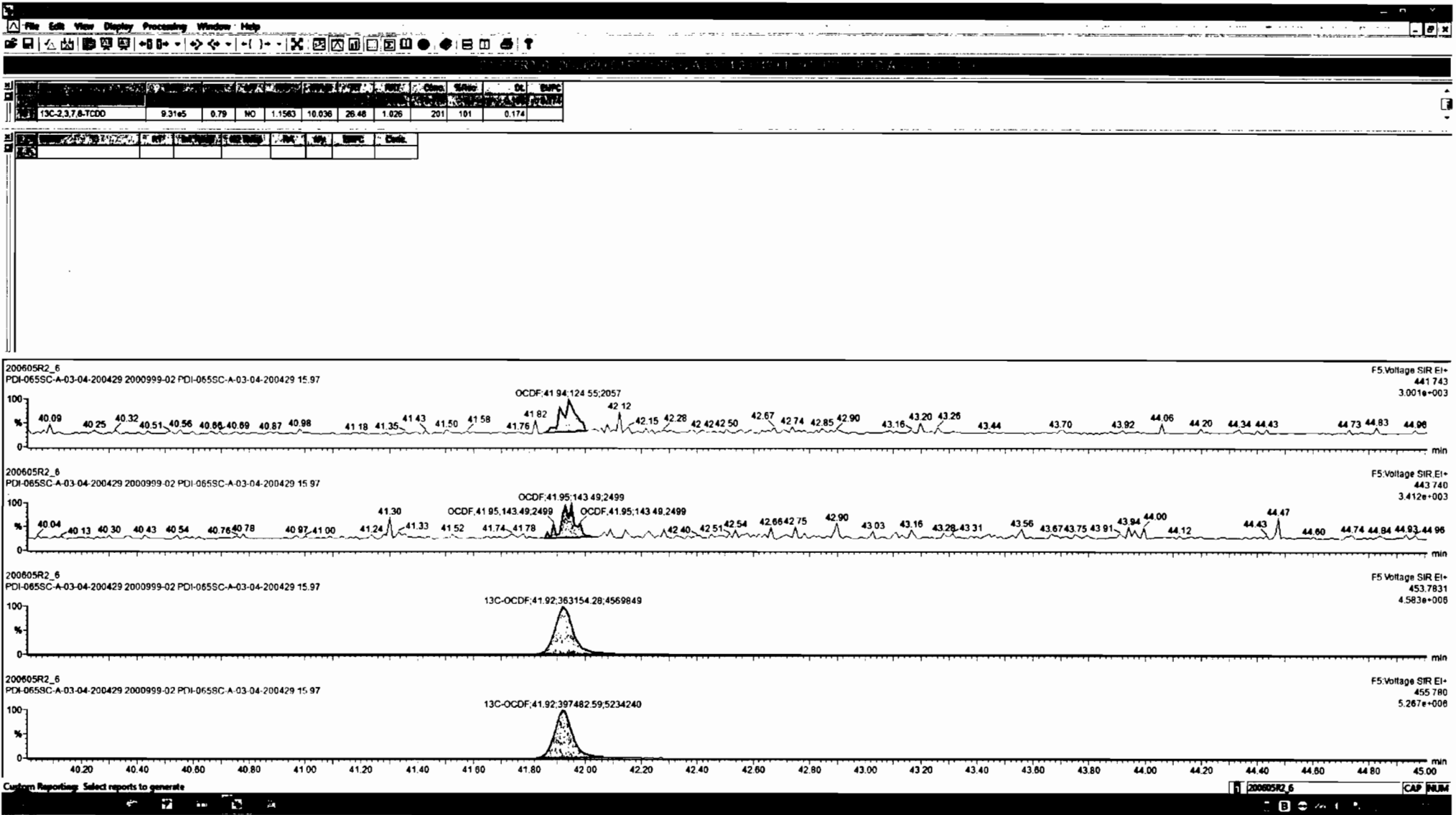


Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429





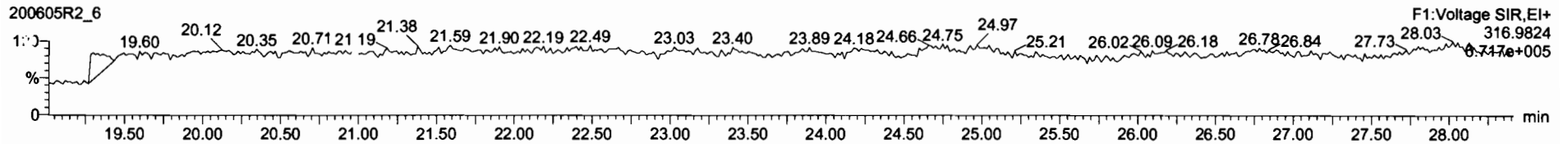
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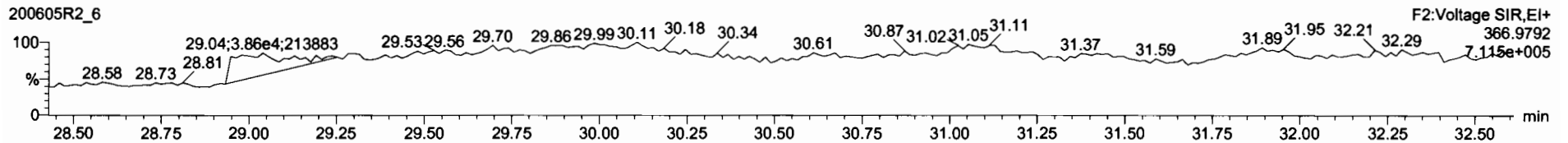
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_6, Date: 06-Jun-2020, Time: 02:13:46, ID: 2000999-02 PDI-065SC-A-03-04-200429 15.97, Description: PDI-065SC-A-03-04-200429

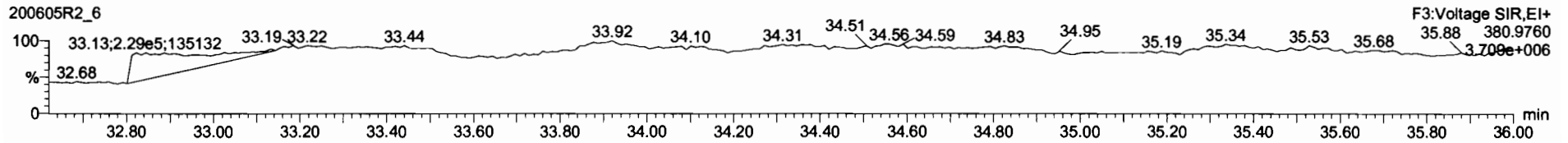
PFK1



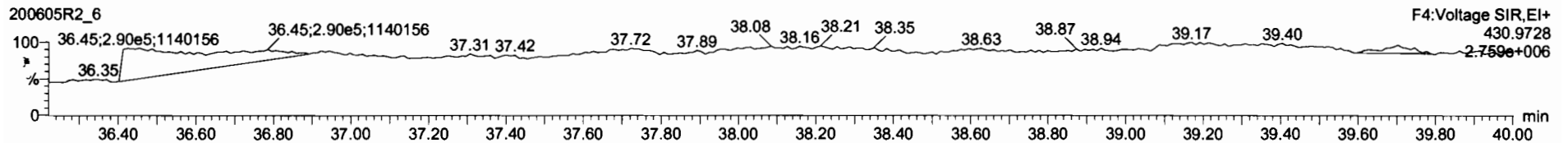
PFK2



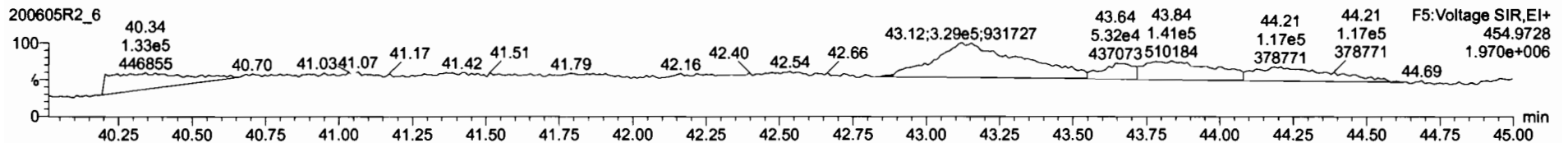
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-7.qld

Last Altered: Monday, June 08, 2020 13:12:14 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:13:31 Pacific Daylight Time

GPB 06/08/2020

C1 06/09/2020

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: 200605R2_7, Date: 06-Jun-2020, Time: 03:00:00, ID: 2000999-03 PDI-065SC-A-04-05-200429 15.55, Description: PDI-065SC-A-04-05-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DF
1	2,3,7,8-TCDD			NO	0.888	10.067	26.531		1.001				0.0673
2	1,2,3,7,8-PeCDD			NO	0.908	10.067	31.488		1.001				0.122
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.067	34.846		1.000				0.0901
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.067	34.943		1.000				0.0868
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.067	35.230		1.000				0.104
6	1,2,3,4,6,7,8-HpCDD	1.02e3	1.06	NO	0.864	10.067	38.767	38.79	1.000	1.001	0.74996		0.225 0.750
7	OCDD	7.55e3	0.87	NO	0.914	10.067	41.737	41.76	1.000	1.001	6.5262		0.285 6.53
8	2,3,7,8-TCDF			NO	0.751	10.067	25.627		1.001				0.0330
9	1,2,3,7,8-PeCDF			NO	0.893	10.067	30.190		1.001				0.0418
10	2,3,4,7,8-PeCDF			NO	0.935	10.067	31.191		1.001				0.0358
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.067	33.952		1.000				0.0366
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.067	34.090		1.000				0.0345
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.067	34.701		1.001				0.0334
14	1,2,3,7,8,9-HxCDF			NO	0.871	10.067	35.582		1.000				0.0536
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.067	37.386		1.001				0.0521
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.067	39.309		1.000				0.0559
17	OCDF			NO	0.806	10.067	41.940		1.000				0.0786
18	13C-2,3,7,8-TCDD	7.24e5	0.78	NO	1.16	10.067	26.522	26.50	1.026	1.026	188.35	94.8	0.217
19	13C-1,2,3,7,8-PeCDD	5.48e5	0.62	NO	0.849	10.067	31.711	31.47	1.227	1.218	194.22	97.8	0.333
20	13C-1,2,3,4,7,8-HxCDD	3.76e5	1.28	NO	0.779	10.067	34.841	34.84	1.014	1.014	176.83	89.0	0.873
21	13C-1,2,3,6,7,8-HxCDD	4.68e5	1.26	NO	1.02	10.067	34.955	34.94	1.017	1.017	168.66	84.9	0.669
22	13C-1,2,3,7,8,9-HxCDD	4.19e5	1.29	NO	0.903	10.067	35.226	35.22	1.025	1.025	169.97	85.6	0.753
23	13C-1,2,3,4,6,7,8-HpCDD	3.12e5	1.06	NO	0.689	10.067	38.751	38.76	1.128	1.128	165.87	83.5	0.582
24	13C-OCDD	5.03e5	0.86	NO	0.652	10.067	41.775	41.74	1.216	1.215	282.70	71.2	0.578
25	13C-2,3,7,8-TCDF	9.32e5	0.76	NO	1.06	10.067	25.564	25.60	0.989	0.991	185.97	93.6	0.385
26	13C-1,2,3,7,8-PeCDF	7.95e5	1.59	NO	0.838	10.067	30.093	30.17	1.165	1.168	200.66	101	0.676
27	13C-2,3,4,7,8-PeCDF	7.97e5	1.60	NO	0.817	10.067	31.047	31.16	1.202	1.206	206.39	104	0.694
28	13C-1,2,3,4,7,8-HxCDF	4.76e5	0.50	NO	1.01	10.067	33.972	33.95	0.989	0.988	173.18	87.2	0.958
29	13C-1,2,3,6,7,8-HxCDF	5.58e5	0.50	NO	1.17	10.067	34.096	34.08	0.992	0.992	175.11	88.1	0.827
30	13C-2,3,4,6,7,8-HxCDF	5.02e5	0.51	NO	1.02	10.067	34.670	34.67	1.009	1.009	180.14	90.7	0.944
31	13C-1,2,3,7,8,9-HxCDF	4.02e5	0.51	NO	0.860	10.067	35.570	35.58	1.035	1.036	171.31	86.2	1.12

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-7.qld

Last Altered: Monday, June 08, 2020 13:12:14 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:13:31 Pacific Daylight Time

Name: 200605R2_7, Date: 06-Jun-2020, Time: 03:00:00, ID: 2000999-03 PDI-065SC-A-04-05-200429 15.55, Description: PDI-065SC-A-04-05-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	U/L	LOD	LOQ
32	13C-1,2,3,4,6,7,8-HpCDF	3.44e5	0.44	NO	0.774	10.067	37.319	37.35	1.086	1.087	162.77	81.9		0.685
33	13C-1,2,3,4,7,8,9-HpCDF	2.34e5	0.42	NO	0.521	10.067	39.349	39.31	1.145	1.144	164.85	83.0		1.02
34	13C-OCDF	5.94e5	0.84	NO	0.746	10.067	41.946	41.94	1.221	1.221	292.14	73.5		0.563
35	37Cl-2,3,7,8-TCDD	2.75e5			1.04	10.067	26.553	26.51	1.028	1.026	79.726	100		0.0611
36	13C-1,2,3,4-TCDD	6.61e5	0.79	NO	1.00	10.067	25.890	25.84	1.000	1.000	198.66	100		0.251
37	13C-1,2,3,4-TCDF	9.40e5	0.80	NO	1.00	10.067	24.360	24.16	1.000	1.000	198.66	100		0.407
38	13C-1,2,3,4,6,9-HxCDF	5.42e5	0.49	NO	1.00	10.067	34.420	34.36	1.000	1.000	198.66	100		0.965
39	Total Tetra-Dioxins				0.888	10.067	24.620		0.000		0.27319			0.0673
40	Total Penta-Dioxins				0.908	10.067	29.960		0.000		0.13895			0.0352
41	Total Hexa-Dioxins				0.892	10.067	33.635		0.000		0.79587			0.0977
42	Total Hepta-Dioxins				0.864	10.067	37.640		0.000		0.74996			0.225
43	Total Tetra-Furans				0.751	10.067	23.610		0.000		0.26734			0.0330
44	1st Func. Penta-Furans				0.893	10.067	27.580		0.000					0.00915
45	Total Penta-Furans				0.893	10.067	29.275		0.000					0.0234
46	Total Hexa-Furans				0.934	10.067	33.555		0.000					0.0220
47	Total Hepta-Furans				0.873	10.067	37.835		0.000					0.0360

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-7.qld

Last Altered: Monday, June 08, 2020 13:12:14 Pacific Daylight Time

Printed: Monday, June 08, 2020 13:13:31 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\lb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_7, Date: 06-Jun-2020, Time: 03:00:00, ID: 2000999-03 PDI-065SC-A-04-05-200429 15.55, Description: PDI-065SC-A-04-05-200429

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Tetra-Dioxins	22.49	2.315e3	1.616e3	1.363e2	1.332e2	1.02	YES	0.000e0	0.00000	0.072765	0.0673
2 Total Tetra-Dioxins	23.42	1.893e3	1.897e3	1.343e2	1.230e2	1.09	YES	0.000e0	0.00000	0.067229	0.0673
3 Total Tetra-Dioxins	24.31	4.723e3	8.015e3	3.564e2	5.286e2	0.67	NO	8.849e2	0.27319	0.27319	0.0673

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Penta-Dioxins	29.73	2.874e3	4.338e3	1.358e2	2.125e2	0.64	NO	3.483e2	0.13895	0.13895	0.0352

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.34	1.037e4	1.071e4	5.588e2	5.054e2	1.11	NO	1.064e3	0.56318	0.56318	0.0977
Total Hexa-Dioxins	34.17	4.253e3	4.112e3	2.535e2	1.862e2	1.36	NO	4.397e2	0.23269	0.23269	0.0977

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.76	8.624e3	1.013e4	6.616e2	7.500e2	0.88	YES	0.000e0	0.00000	0.95691	0.225
1,2,3,4,6,7,8-HpCDD	38.79	8.386e3	8.575e3	5.230e2	4.941e2	1.06	NO	1.017e3	0.74996	0.74996	0.225

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Tetra-Furans	21.51	4.967e3	7.142e3	3.753e2	5.662e2	0.66	NO	9.415e2	0.26734	0.26734	0.0330

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\200605R2\200605R2-7.qld

Last Altered: Monday, June 08, 2020 13:12:14 Pacific Daylight Time

Printed: Monday, June 08, 2020 13:13:31 Pacific Daylight Time

Name: 200605R2_7, Date: 06-Jun-2020, Time: 03:00:00, ID: 2000999-03 PDI-065SC-A-04-05-200429 15.55, Description: PDI-065SC-A-04-05-200429

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Cons	EMPC	DU
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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Cons	EMPC	DU
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Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Cons	EMPC	DU
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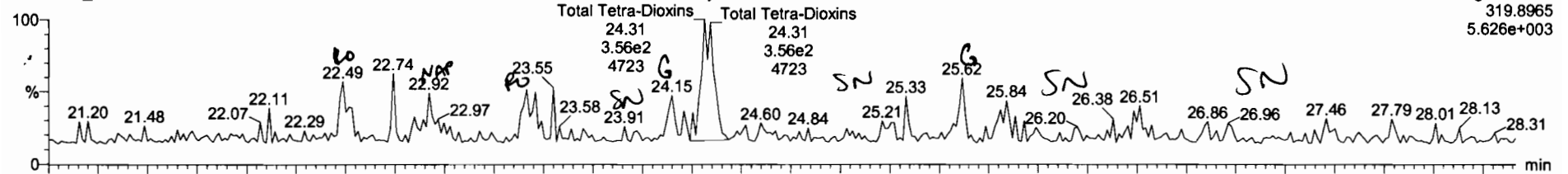
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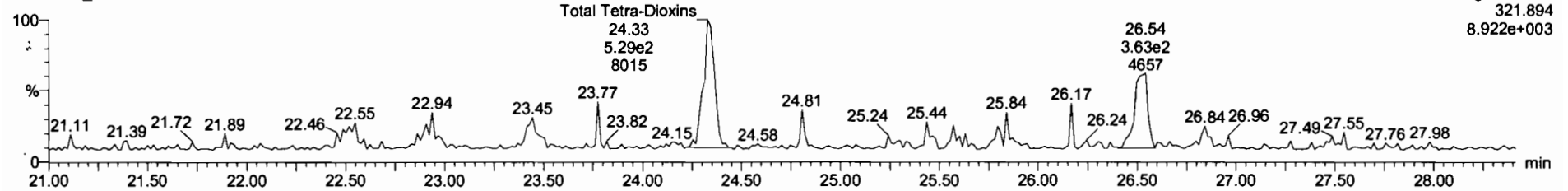
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2,3,7,8-TCDD

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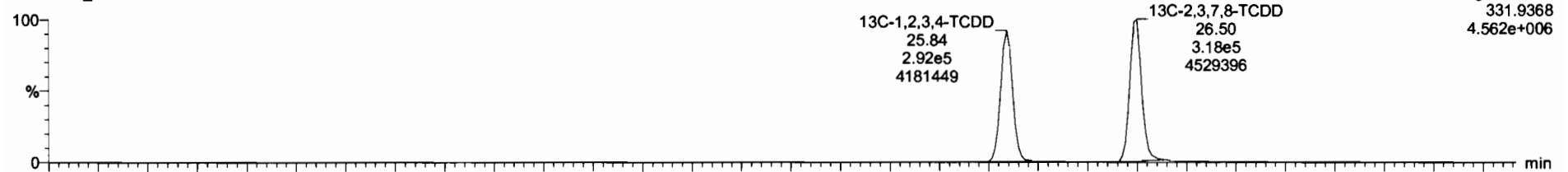


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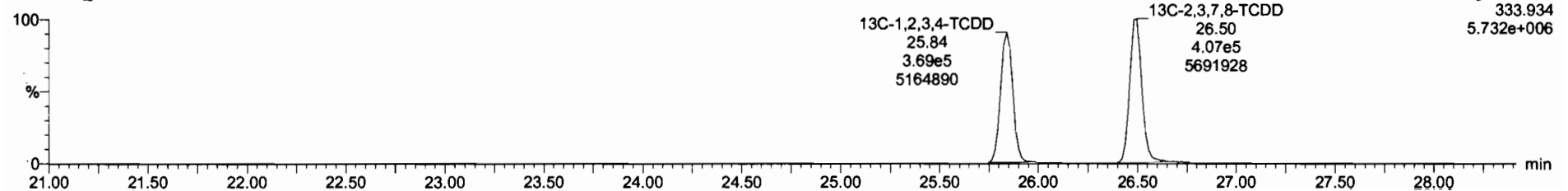


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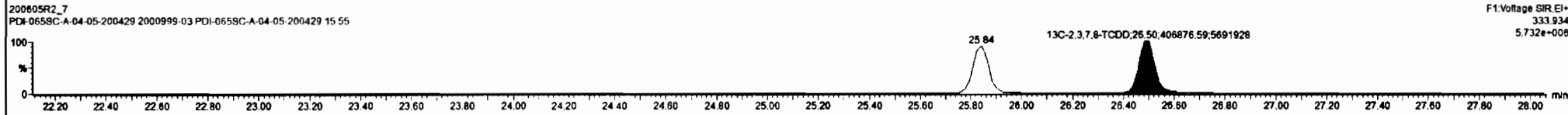
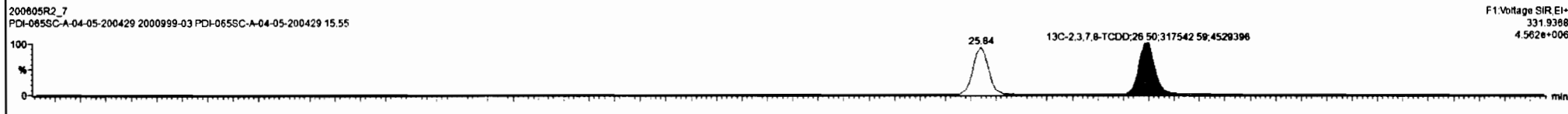
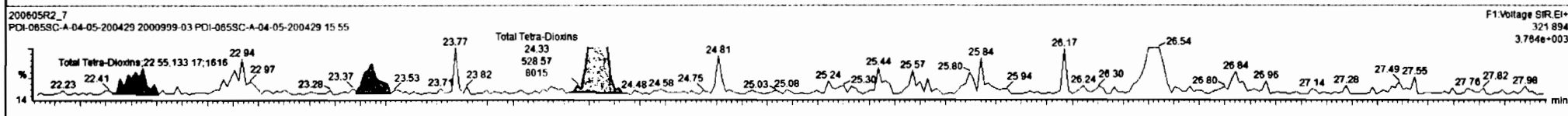
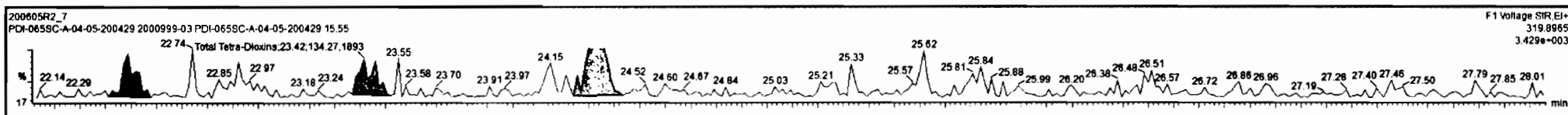


200605R2_7



Total Penta-Dioxins	0.9001	10.067	0.130	0.0352	0.130
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Total Tetra-Dioxins	24.31	3.584e2	5.200e2	0.87	NO	0.27300	0.27319
Total Tetra-Dioxins	23.42	1.343e2	1.230e2	1.09	YES	0.087000	0.00000
Total Tetra-Dioxins	22.49	1.363e2	1.332e2	1.02	YES	0.073000	0.00000



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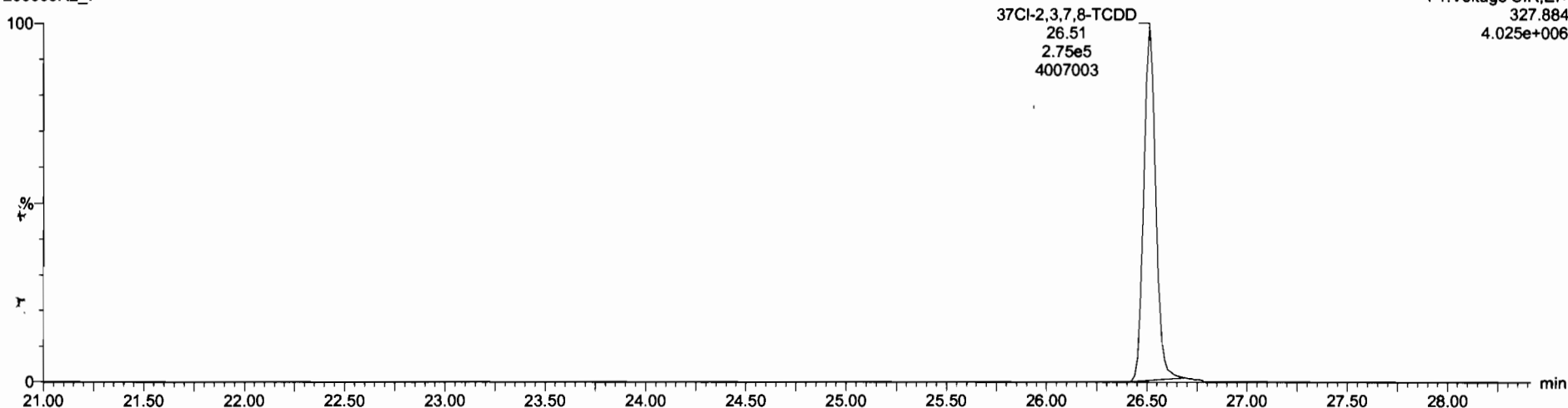
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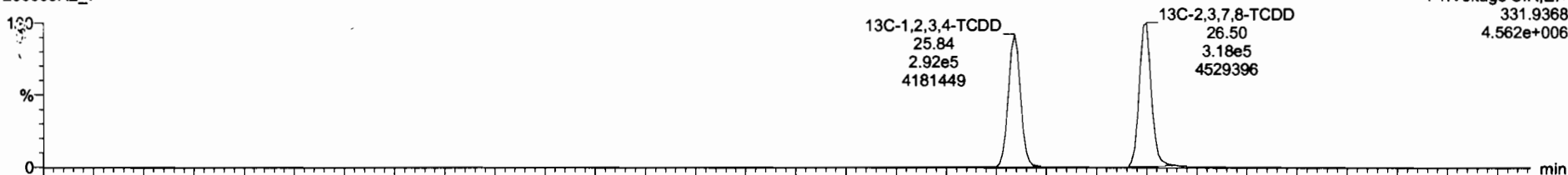
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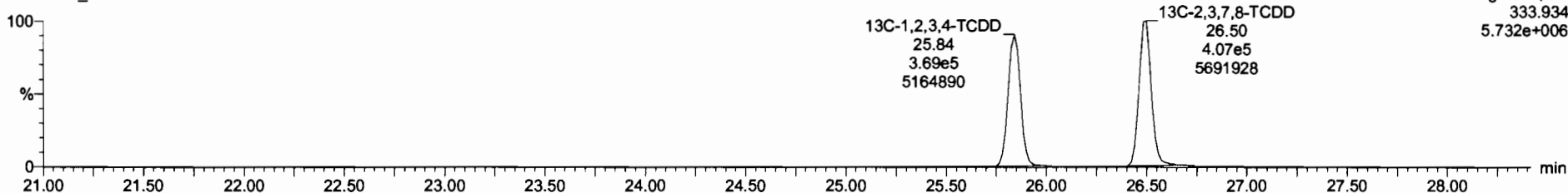


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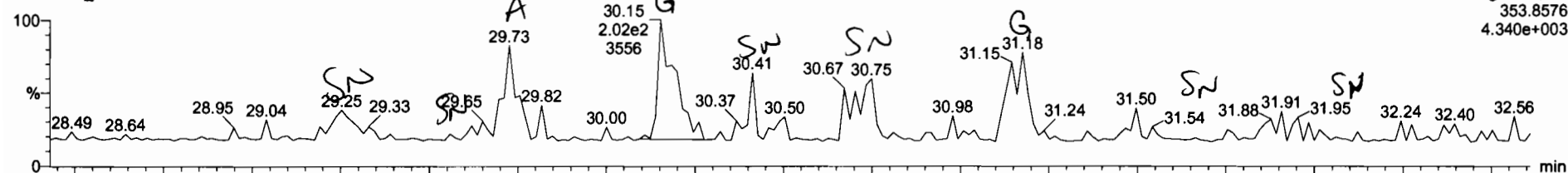
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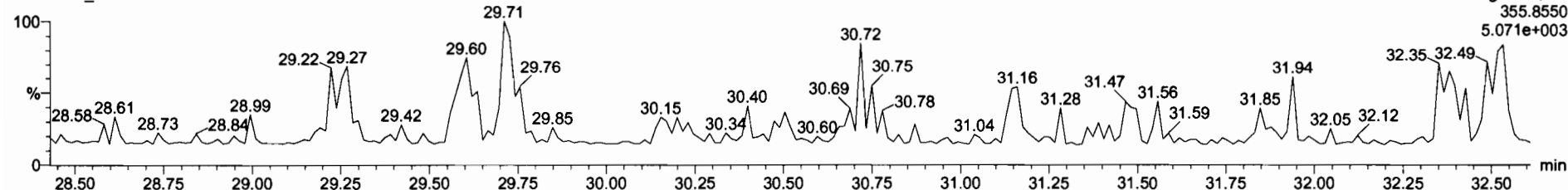
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1,2,3,7,8-PeCDD

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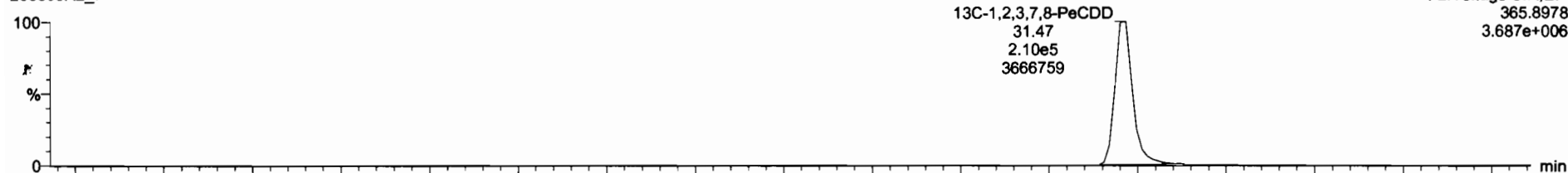


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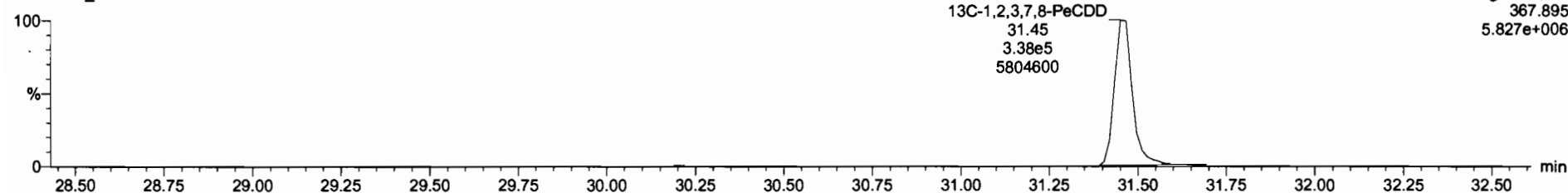


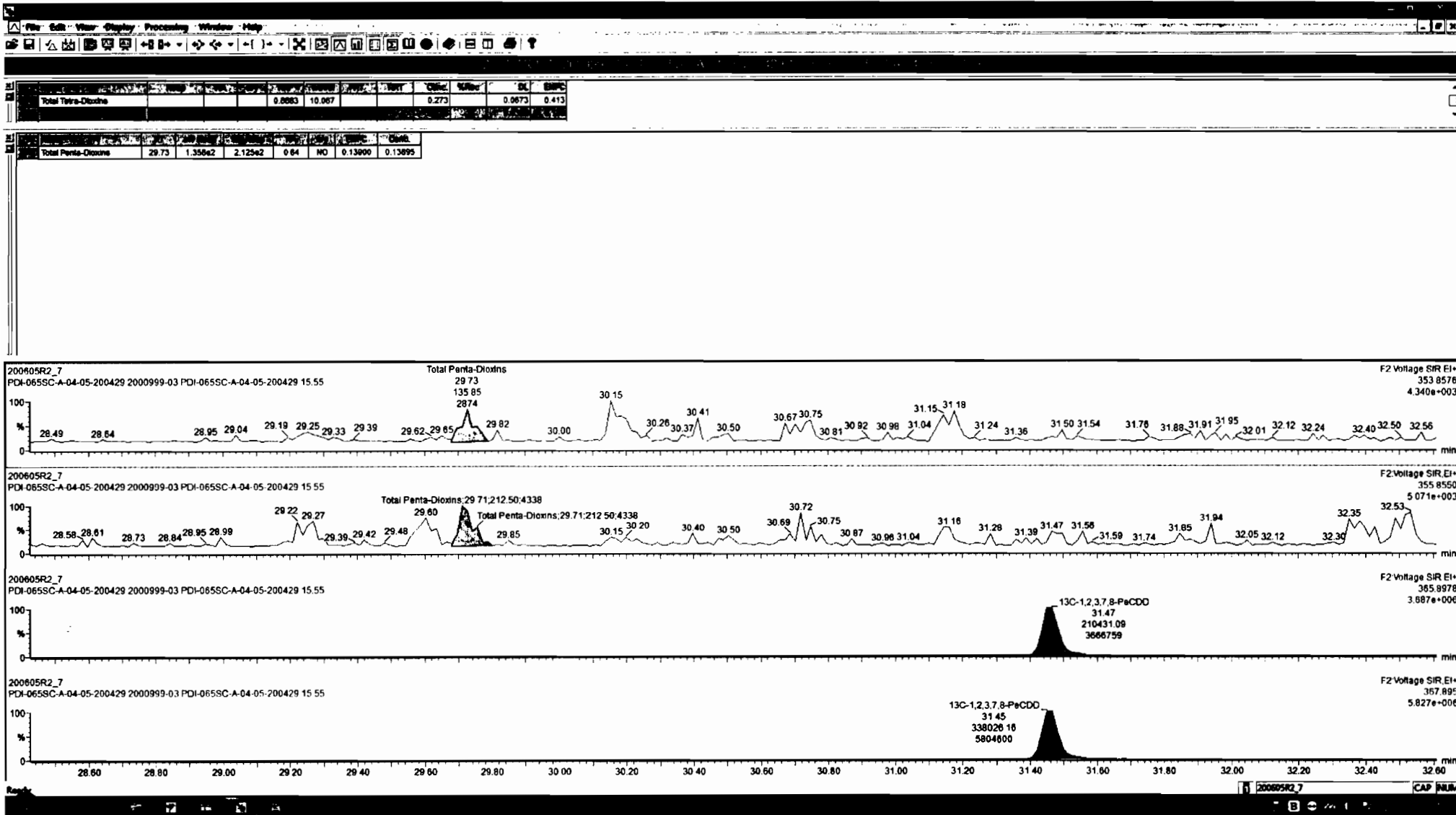
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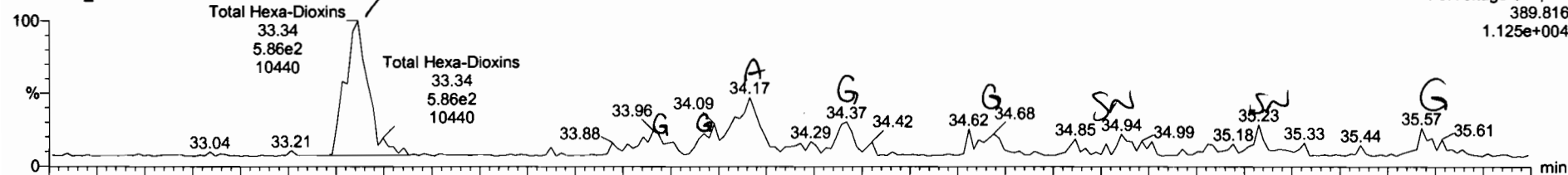
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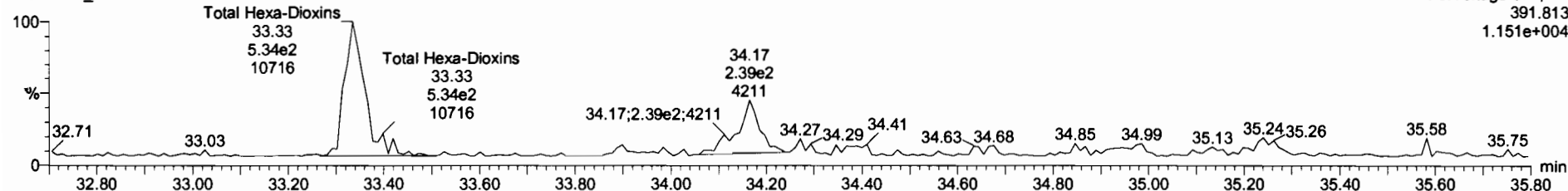
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1,2,3,4,7,8-HxCDD

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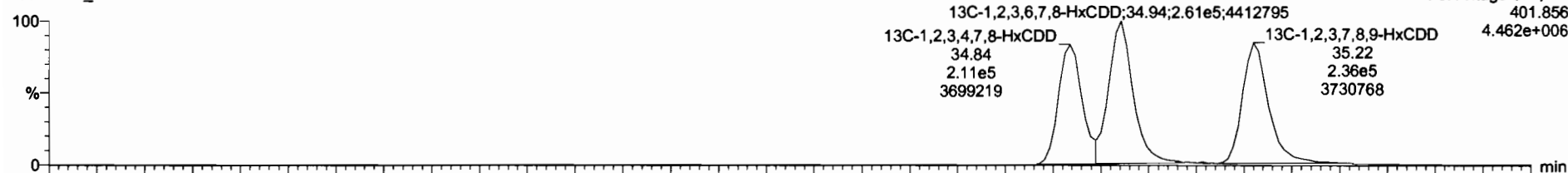


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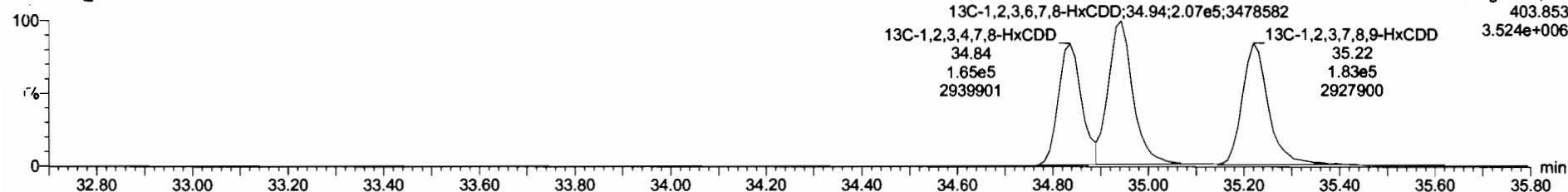


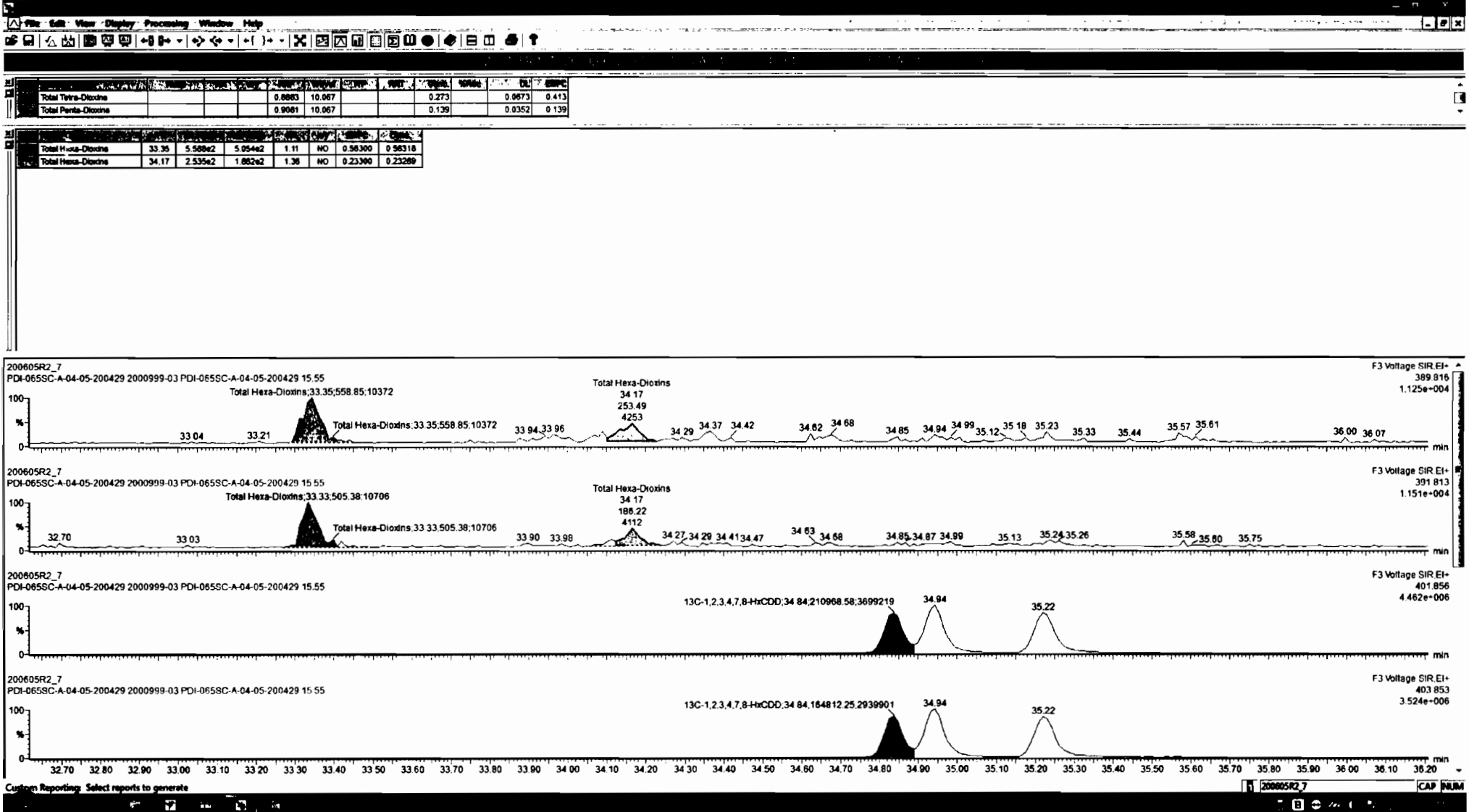
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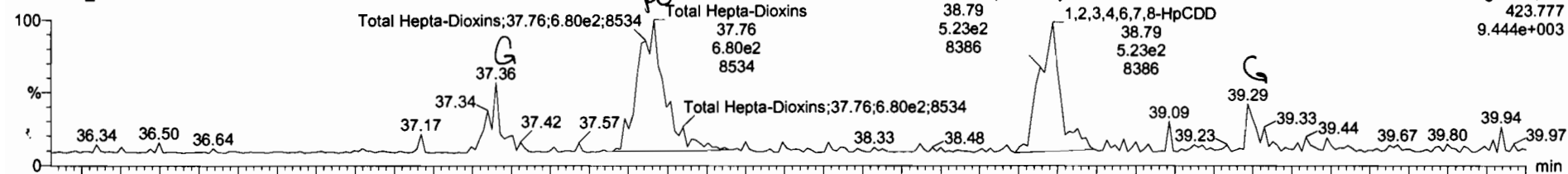
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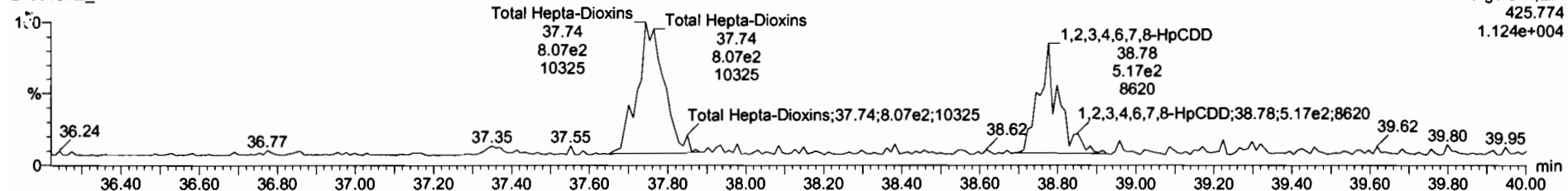
1,2,3,4,6,7,8-HpCDD

200605R2_7



F4:Voltage SIR,EI+
423.777
9.444e+003

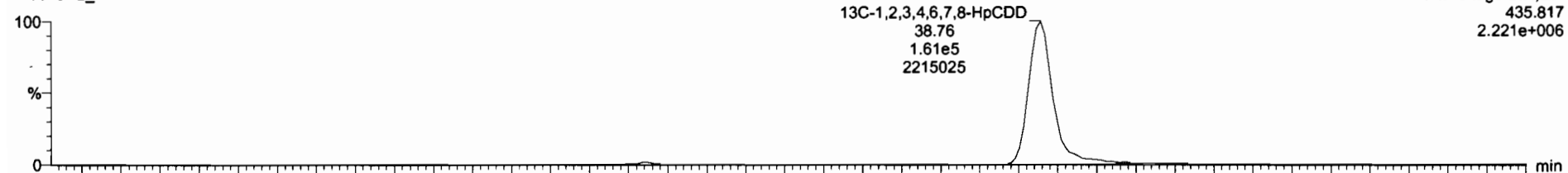
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F4:Voltage SIR,EI+
425.774
1.124e+004

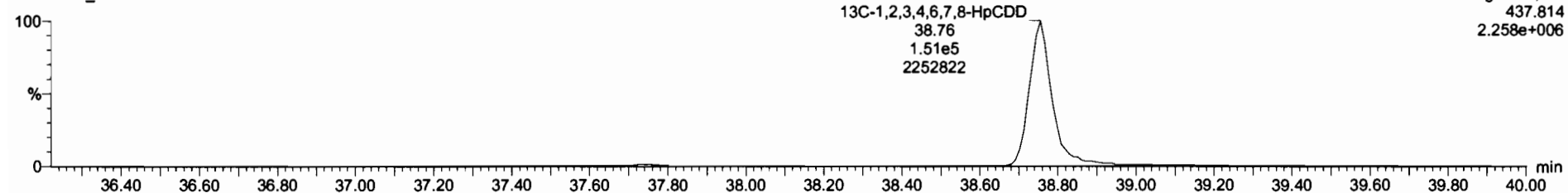
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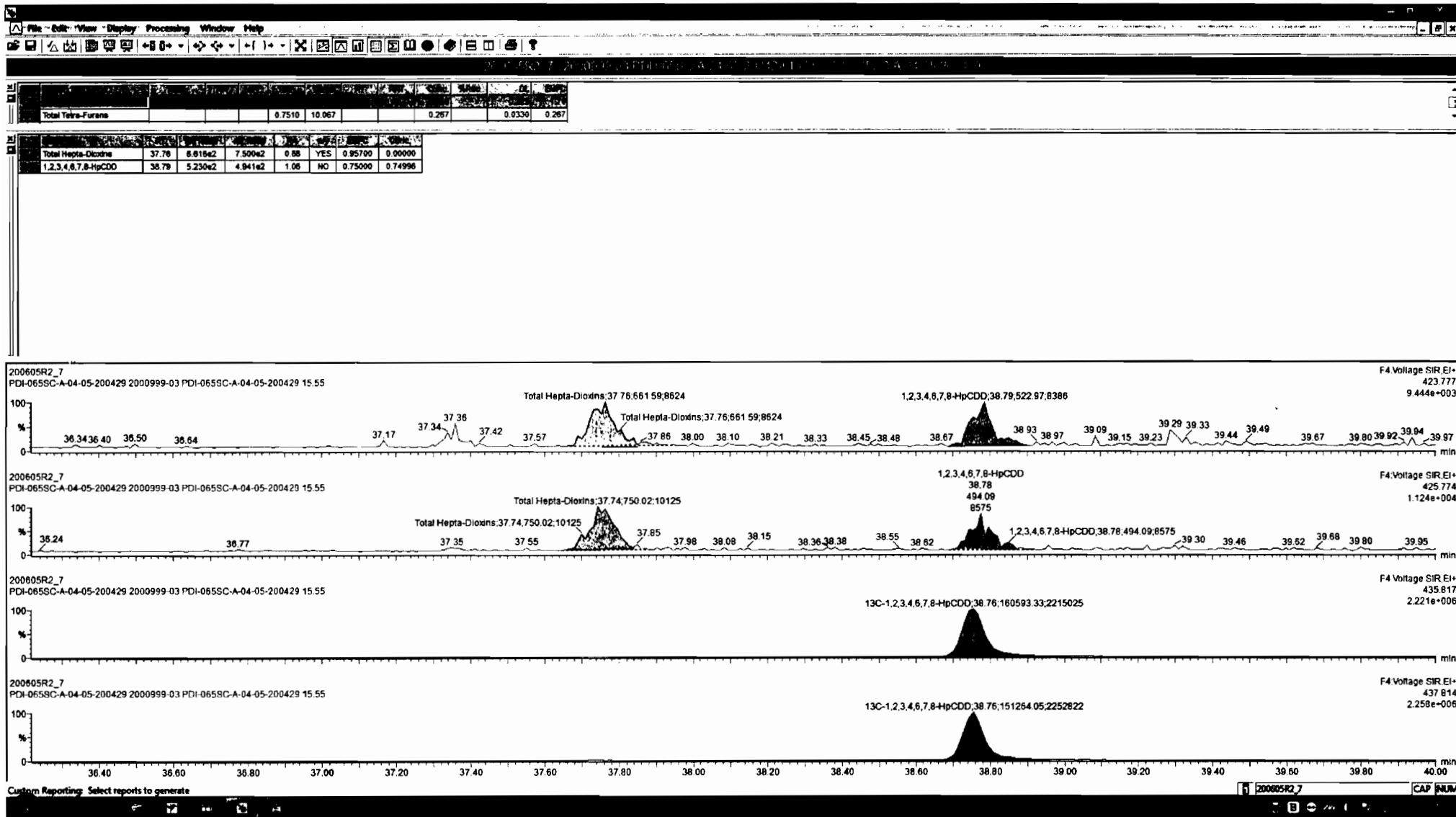


F4:Voltage SIR,EI+
435.817
2.221e+006

200605R2_7



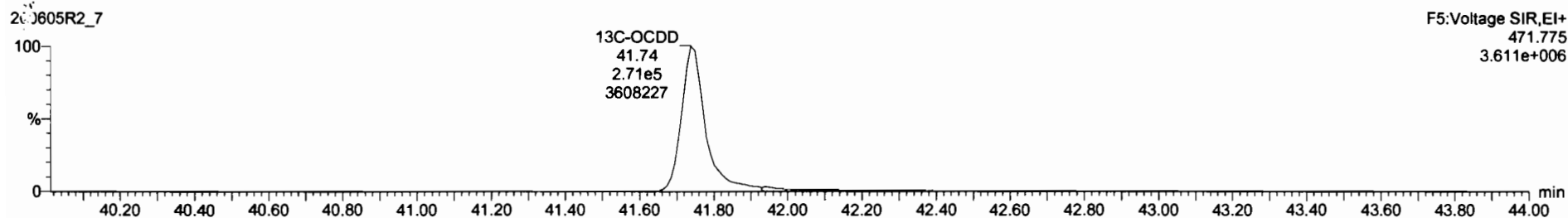
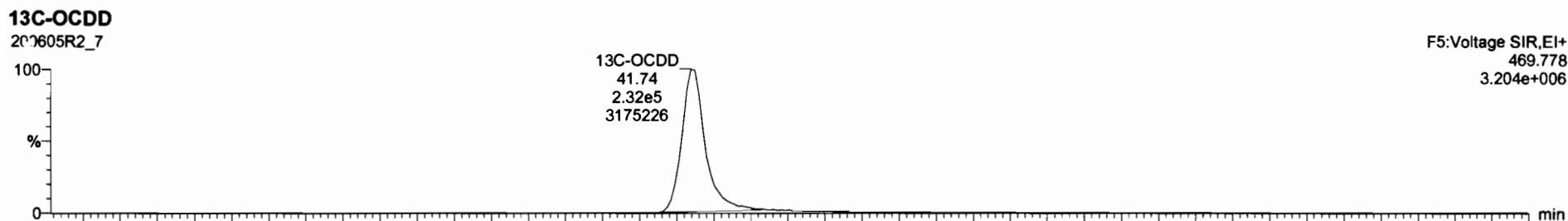
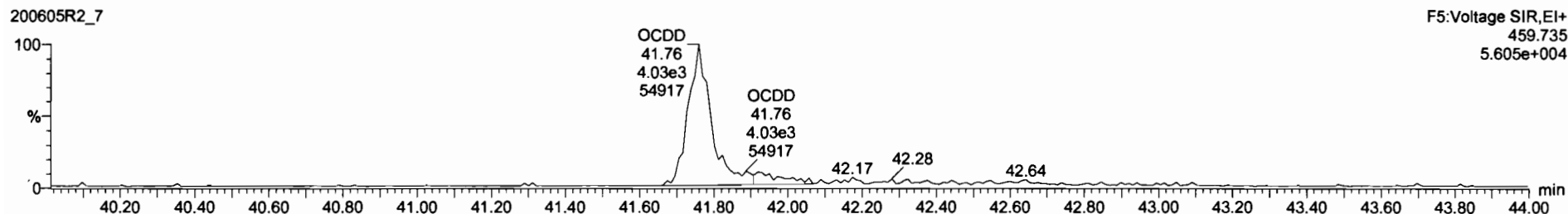
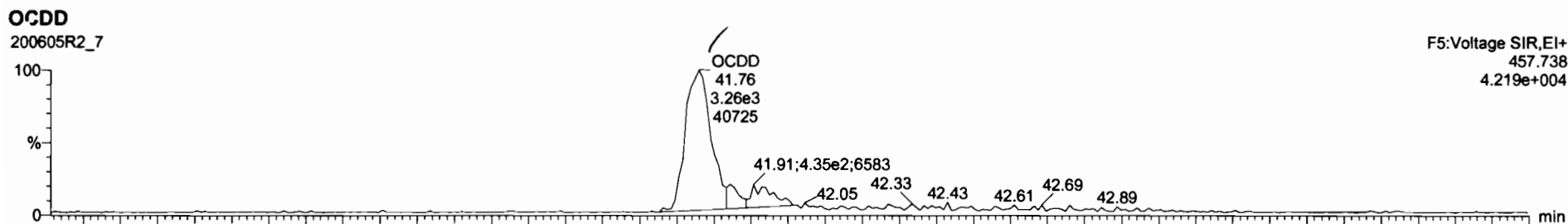
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2.258e+006

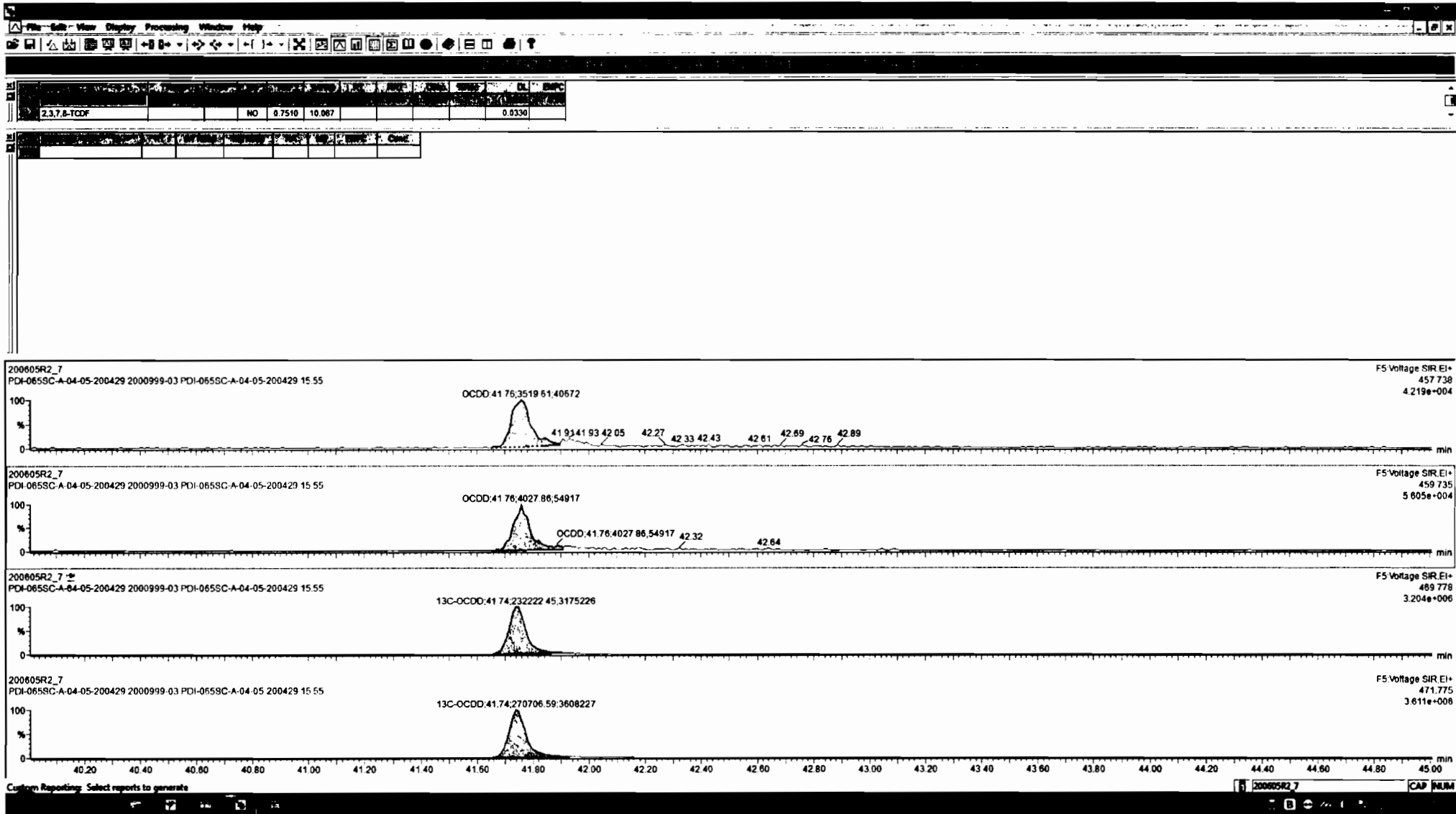


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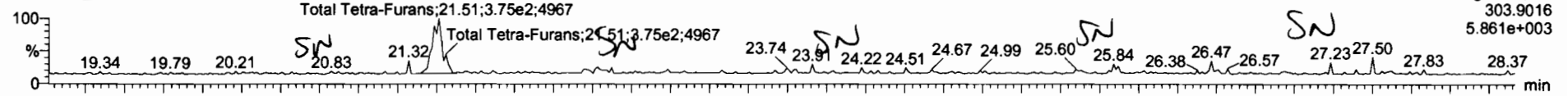
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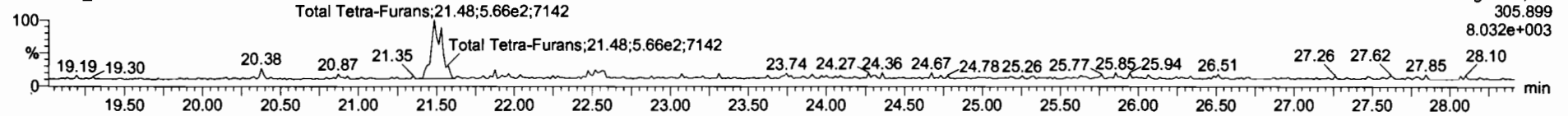
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2,3,7,8-TCDF

200605R2_7

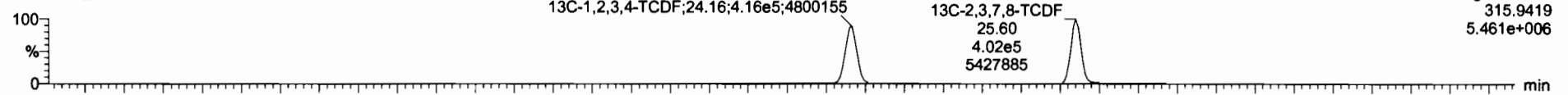


200605R2_7

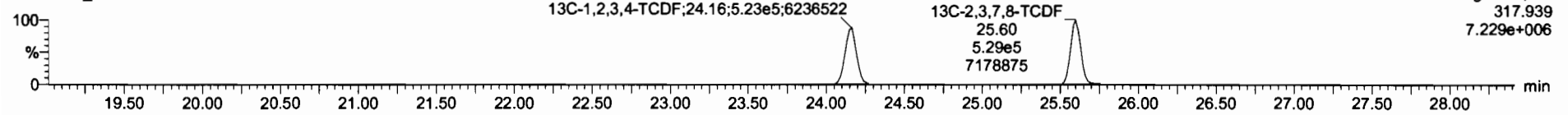


13C-2,3,7,8-TCDF

200605R2_7

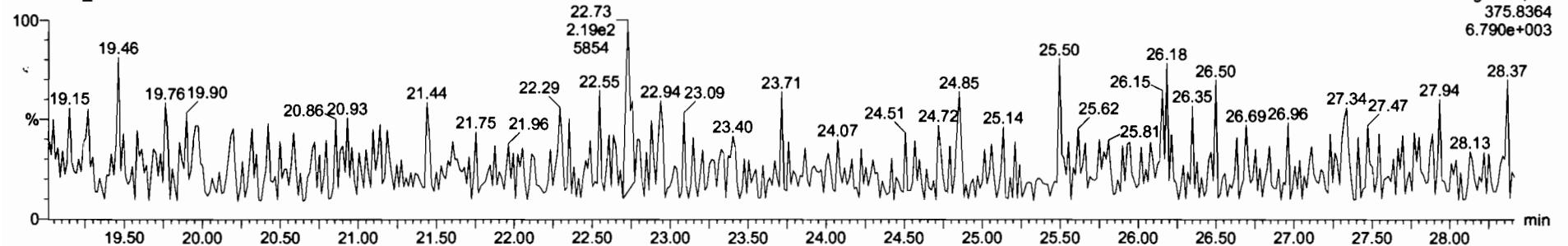


200605R2_7



DPE1

200605R2_7



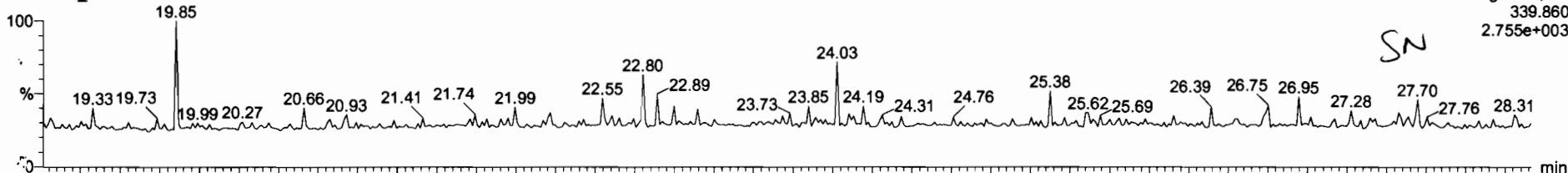
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

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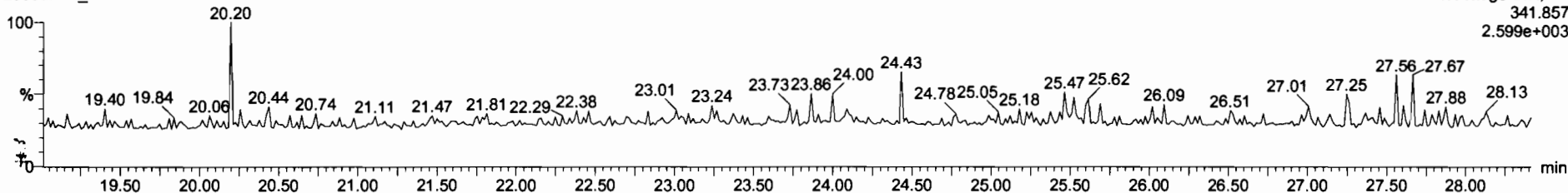
1st Func. Penta-Furans

200605R2_7



F1:Voltage SIR,EI+
339.860
2.755e+003

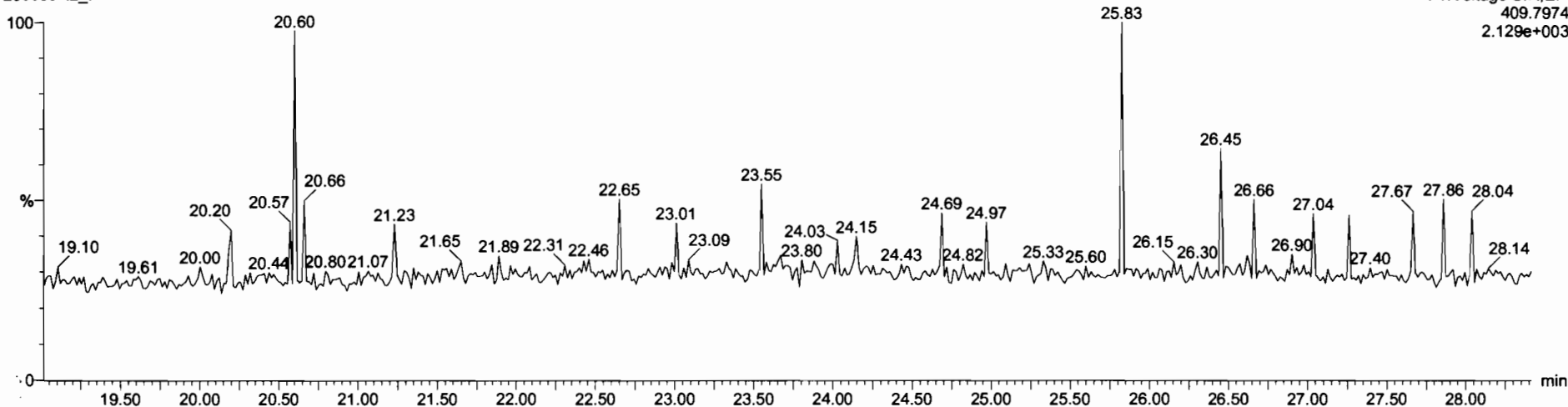
200605R2_7



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341.857
2.599e+003

DPE6

200605R2_7



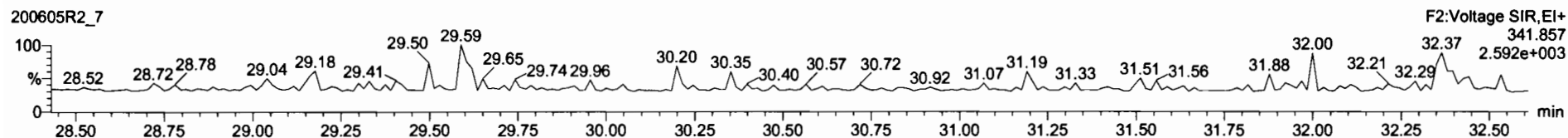
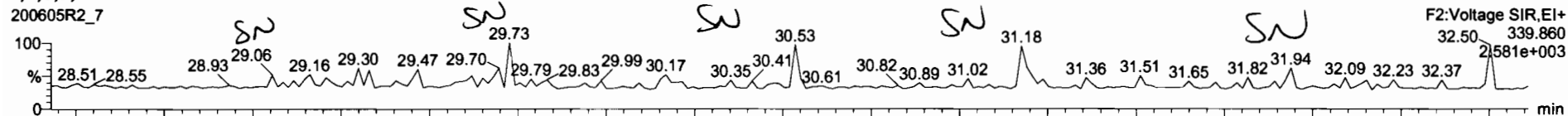
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409.7974
2.129e+003

Dataset: Untitled

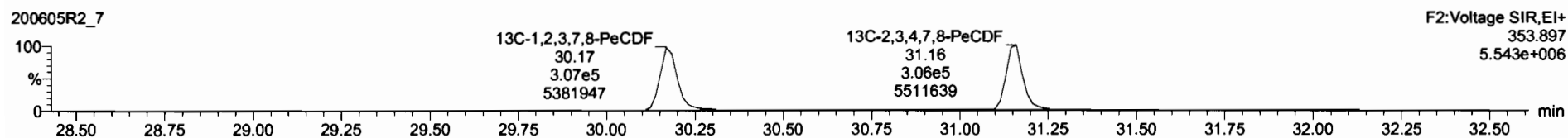
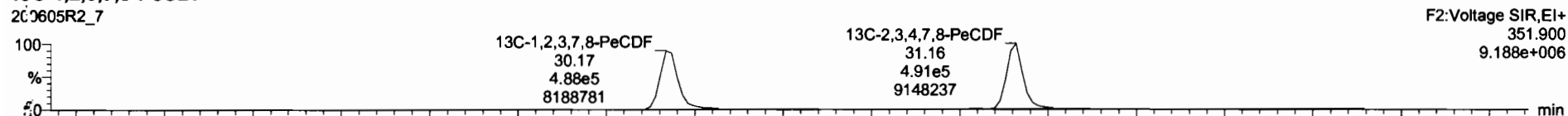
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

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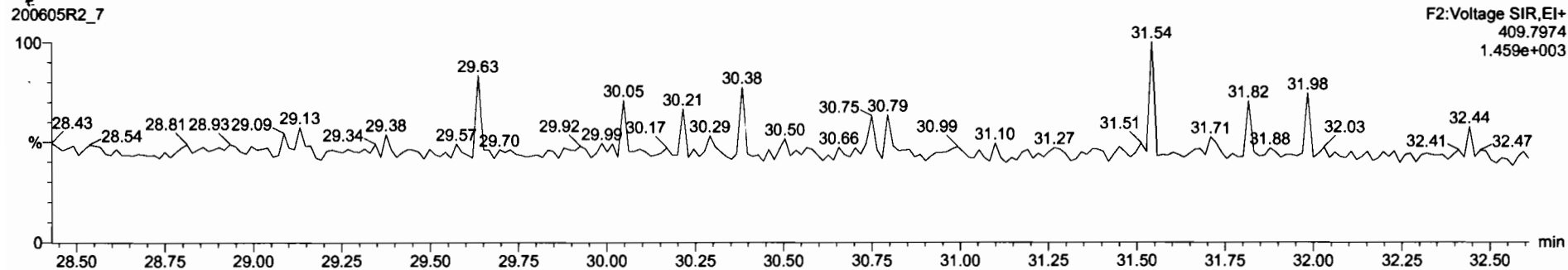
1,2,3,7,8-PeCDF



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



D12E2

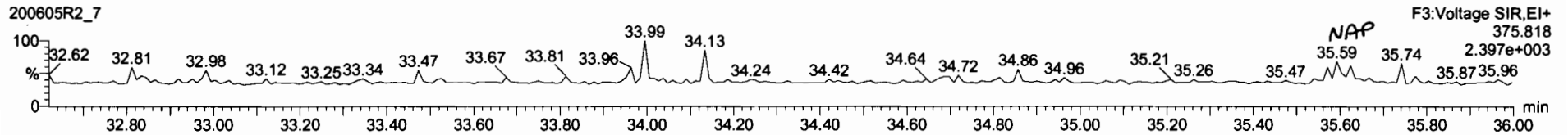
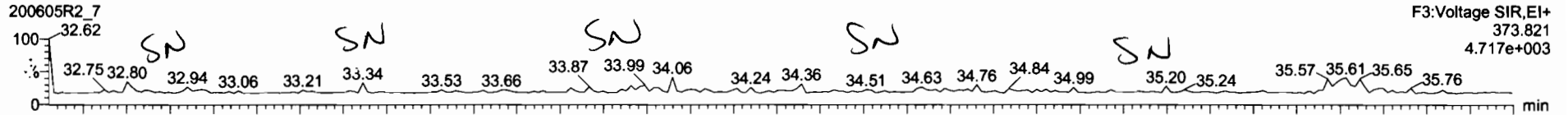


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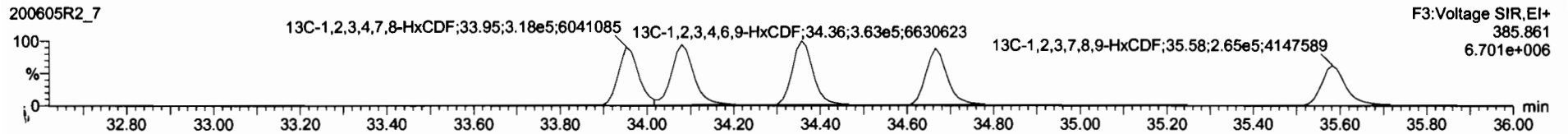
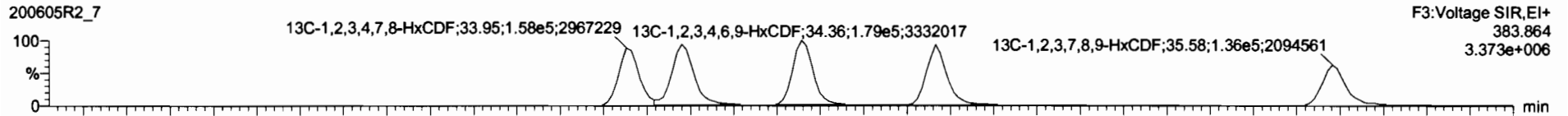
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_7, Date: 06-Jun-2020, Time: 03:00:00, ID: 2000999-03 PDI-065SC-A-04-05-200429 15.55, Description: PDI-065SC-A-04-05-200429

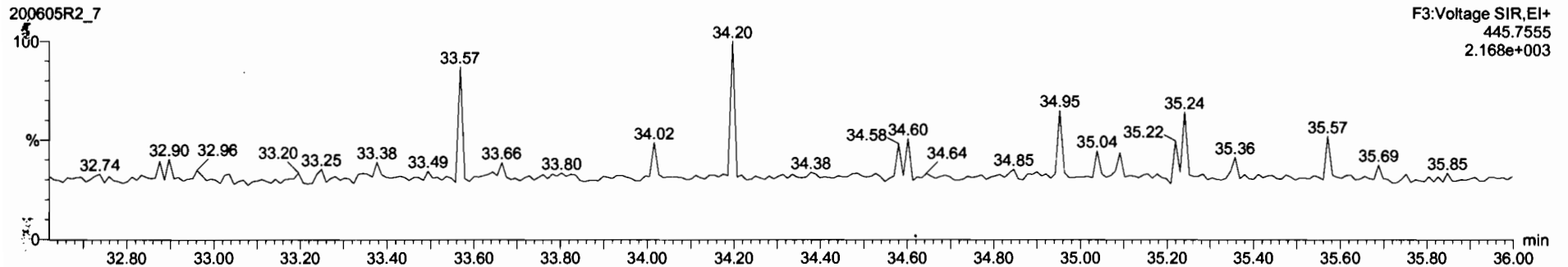
1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: Untitled

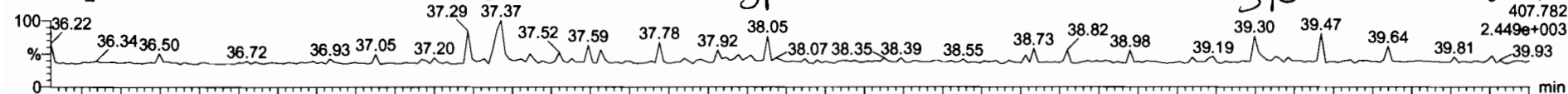
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

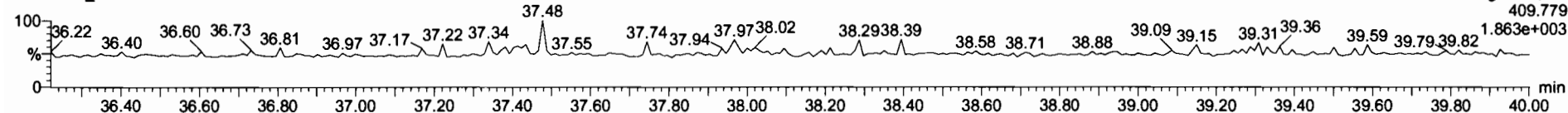
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1,2,3,4,6,7,8-HpCDF

200605R2_7



200605R2_7

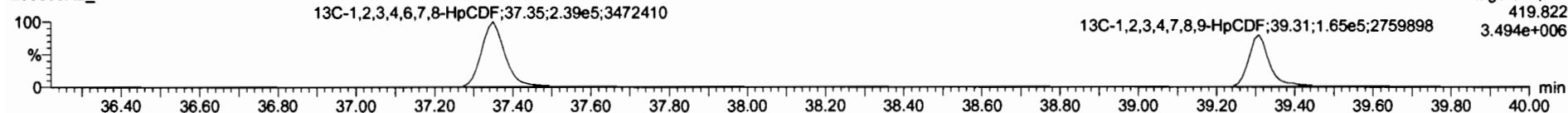


13C-1,2,3,4,6,7,8-HpCDF

200605R2_7

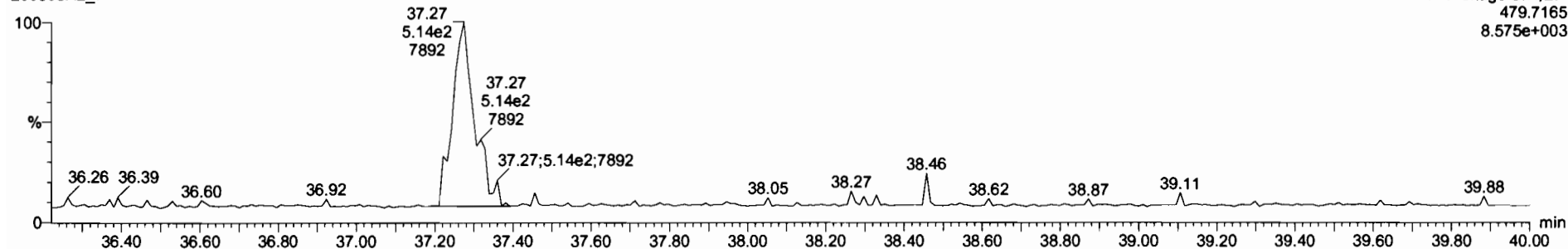


200605R2_7



DPE4

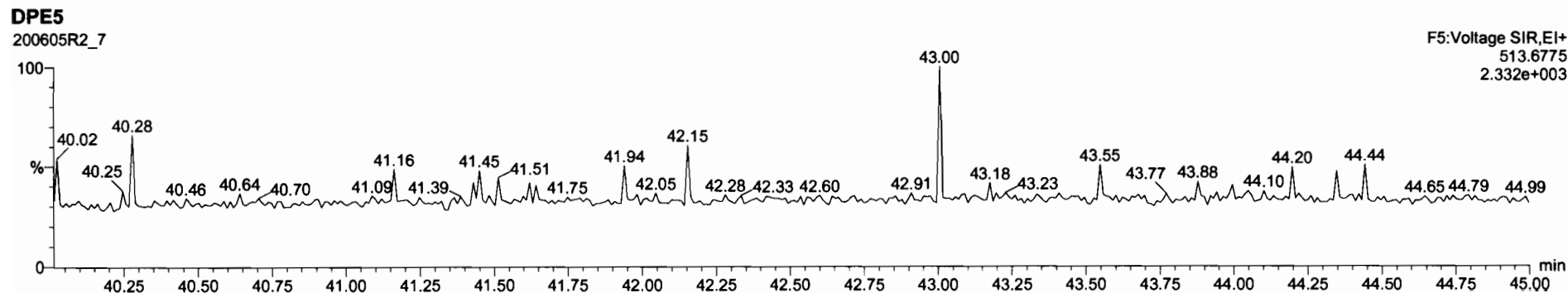
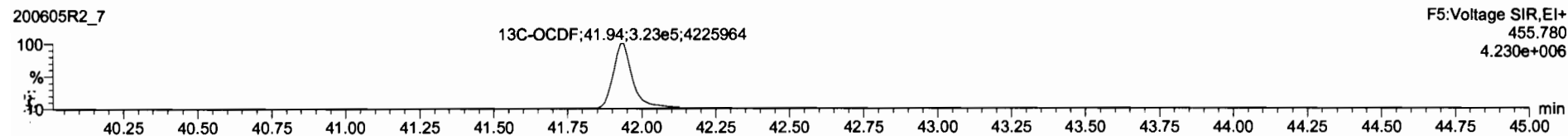
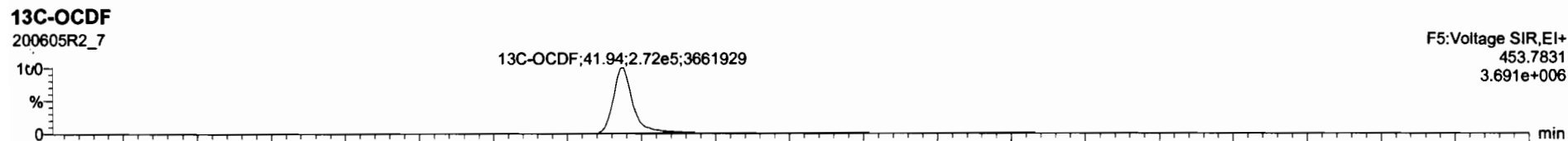
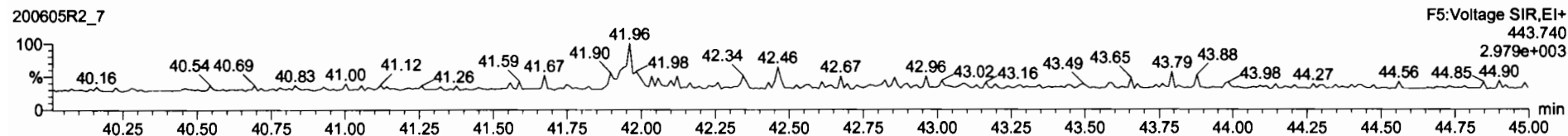
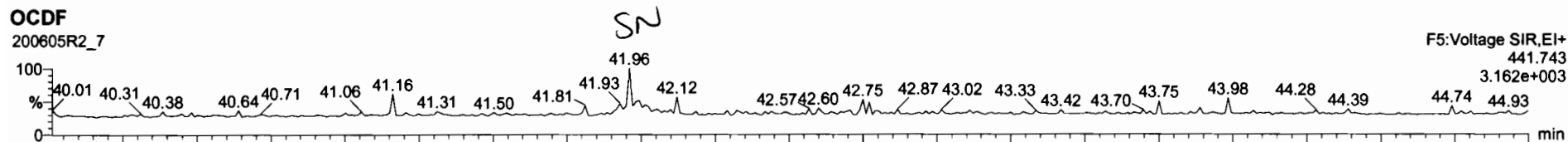
200605R2_7



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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_7, Date: 06-Jun-2020, Time: 03:00:00, ID: 2000999-03 PDI-065SC-A-04-05-200429 15.55, Description: PDI-065SC-A-04-05-200429

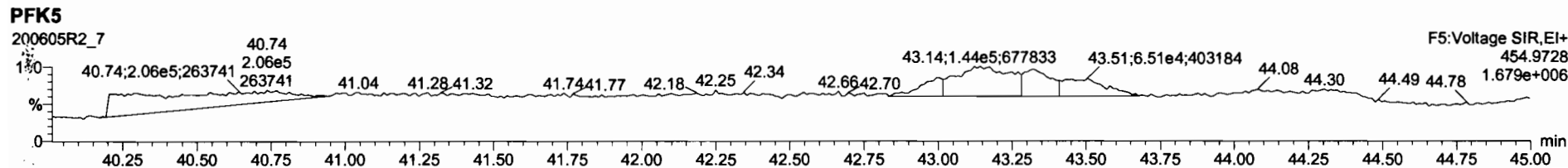
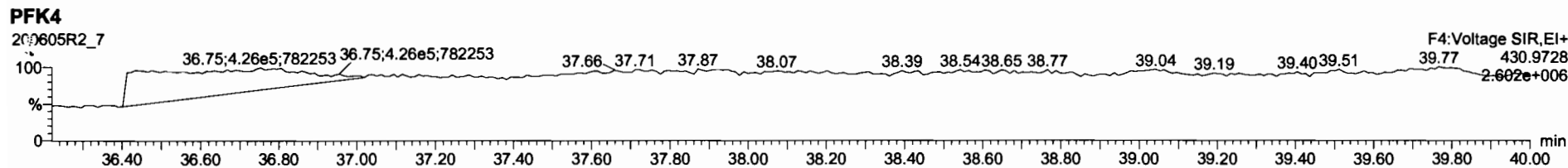
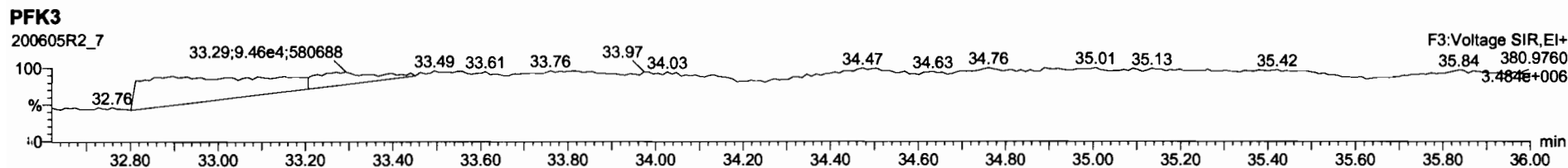
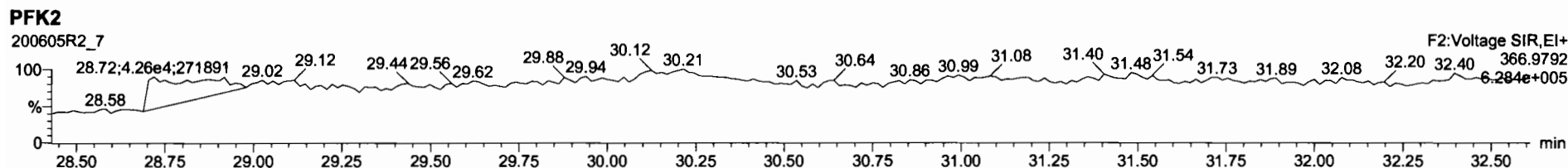
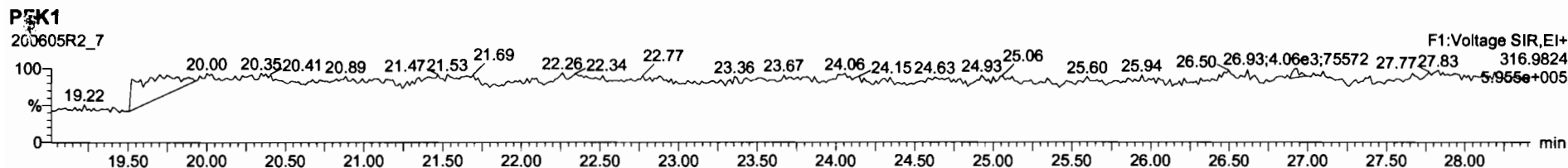


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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_7, Date: 06-Jun-2020, Time: 03:00:00, ID: 2000999-03 PDI-065SC-A-04-05-200429 15.55, Description: PDI-065SC-A-04-05-200429



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-8.qld

Last Altered: Monday, June 08, 2020 14:24:57 Pacific Daylight Time

Printed: Monday, June 08, 2020 14:25:43 Pacific Daylight Time

BBB 06/08/2020

G 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: 200605R2_8, Date: 06-Jun-2020, Time: 03:46:13, ID: 2000999-04 PDI-065SC-A-05-06-200429 15.25, Description: PDI-065SC-A-05-06-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred:RT	RT	Pred:RRT	RRT	Conc	Mass	DL
1	2,3,7,8-TCDD			NO	0.888	10.005	26.531		1.001				0.0582
2	1,2,3,7,8-PeCDD			NO	0.908	10.005	31.488		1.001				0.0901
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.005	34.846		1.000				0.0956
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.005	34.943		1.000				0.0935
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.005	35.241		1.000				0.111
6	1,2,3,4,6,7,8-HpCDD	1.35e3	1.15	NO	0.864	10.005	38.778	38.79	1.000	1.001	0.85671		0.124 0.857
7	OCDD	9.04e3	0.95	NO	0.914	10.005	41.759	41.78	1.000	1.001	6.4438		0.209 6.44
8	2,3,7,8-TCDF			NO	0.751	10.005	25.641		1.001				0.0415
9	1,2,3,7,8-PeCDF			NO	0.893	10.005	30.205		1.001				0.0410
10	2,3,4,7,8-PeCDF			NO	0.935	10.005	31.192		1.001				0.0361
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.005	33.963		1.000				0.0398
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.005	34.090		1.000				0.0365
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.005	34.701		1.001				0.0395
14	1,2,3,7,8,9-HxCDF	7.58e1	0.61	YES	0.871	10.005	35.592	35.59	1.000	1.000	0.037366		0.0411 0.0257
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.005	37.387		1.001				0.0449
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.005	39.309		1.000				0.0483
17	OCDF			NO	0.806	10.005	41.951		1.000				0.0741
18	13C-2,3,7,8-TCDD	8.72e5	0.77	NO	1.16	10.005	26.538	26.50	1.026	1.025	201.37	101	0.229
19	13C-1,2,3,7,8-PeCDD	6.47e5	0.63	NO	0.849	10.005	31.729	31.47	1.227	1.217	203.41	102	0.258
20	13C-1,2,3,4,7,8-HxCDD	4.34e5	1.28	NO	0.779	10.005	34.853	34.84	1.014	1.014	182.97	91.5	0.602
21	13C-1,2,3,6,7,8-HxCDD	5.62e5	1.28	NO	1.02	10.005	34.966	34.94	1.017	1.017	181.55	90.8	0.461
22	13C-1,2,3,7,8,9-HxCDD	4.79e5	1.28	NO	0.903	10.005	35.238	35.23	1.025	1.025	174.28	87.2	0.520
23	13C-1,2,3,4,6,7,8-HpCDD	3.63e5	1.05	NO	0.689	10.005	38.764	38.77	1.128	1.128	173.12	86.6	0.471
24	13C-OCDD	6.14e5	0.84	NO	0.652	10.005	41.788	41.76	1.216	1.215	308.96	77.3	0.526
25	13C-2,3,7,8-TCDF	1.11e6	0.77	NO	1.06	10.005	25.578	25.61	0.989	0.991	197.56	98.8	0.295
26	13C-1,2,3,7,8-PeCDF	9.22e5	1.60	NO	0.838	10.005	30.111	30.18	1.165	1.167	208.18	104	0.662
27	13C-2,3,4,7,8-PeCDF	9.16e5	1.60	NO	0.817	10.005	31.065	31.16	1.202	1.205	212.07	106	0.680
28	13C-1,2,3,4,7,8-HxCDF	5.61e5	0.51	NO	1.01	10.005	33.983	33.96	0.989	0.988	182.80	91.4	0.643
29	13C-1,2,3,6,7,8-HxCDF	6.43e5	0.51	NO	1.17	10.005	34.107	34.08	0.992	0.992	180.91	90.5	0.555
30	13C-2,3,4,6,7,8-HxCDF	5.85e5	0.51	NO	1.02	10.005	34.681	34.67	1.009	1.009	188.00	94.0	0.634
31	13C-1,2,3,7,8,9-HxCDF	4.66e5	0.51	NO	0.860	10.005	35.581	35.59	1.035	1.036	177.96	89.0	0.753

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-8.qld

Last Altered: Monday, June 08, 2020 14:24:57 Pacific Daylight Time

Printed: Monday, June 08, 2020 14:25:43 Pacific Daylight Time

Name: 200605R2_8, Date: 06-Jun-2020, Time: 03:46:13, ID: 2000999-04 PDI-065SC-A-05-06-200429 15.25, Description: PDI-065SC-A-05-06-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred. RT	RT	Pred. RRF	Sum	Conc	Conc	Conc	
32	13C-1,2,3,4,6,7,8-HpCDF	4.06e5	0.43	NO	0.774	10.005	37.331	37.35	1.086	1.087	172.00	86.0	0.487	
33	13C-1,2,3,4,7,8,9-HpCDF	2.86e5	0.40	NO	0.521	10.005	39.362	39.31	1.145	1.144	179.95	90.0	0.725	
34	13C-OCDF	7.19e5	0.82	NO	0.746	10.005	41.960	41.95	1.221	1.221	316.60	79.2	0.441	
35	37Cl-2,3,7,8-TCDD	3.22e5			1.04	10.005	26.569	26.53	1.028	1.026	82.987	104	0.0787	
36	13C-1,2,3,4-TCDD	7.49e5	0.80	NO	1.00	10.005	25.890	25.85	1.000	1.000	199.90	100	0.265	
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.00	10.005	24.360	24.16	1.000	1.000	199.90	100	0.312	
38	13C-1,2,3,4,6,9-HxCDF	6.09e5	0.51	NO	1.00	10.005	34.420	34.37	1.000	1.000	199.90	100	0.647	
39	Total Tetra-Dioxins				0.888	10.005	24.620		0.000		0.34110		0.0582	0.408
40	Total Penta-Dioxins				0.908	10.005	29.960		0.000		0.16911		0.0301	0.226
41	Total Hexa-Dioxins				0.892	10.005	33.635		0.000		1.0130		0.104	1.01
42	Total Hepta-Dioxins				0.864	10.005	37.640		0.000		1.9848		0.124	1.98
43	Total Tetra-Furans				0.751	10.005	23.610		0.000		0.23170		0.0415	0.232
44	1st Func. Penta-Furans				0.893	10.005	27.580		0.000				0.00720	
45	Total Penta-Furans				0.893	10.005	29.275		0.000				0.0133	
46	Total Hexa-Furans				0.934	10.005	33.555		0.000		0.00000		0.0284	0.0346
47	Total Hepta-Furans				0.873	10.005	37.835		0.000				0.0284	

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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-8.qld

Last Altered: Monday, June 08, 2020 14:24:57 Pacific Daylight Time

Printed: Monday, June 08, 2020 14:25:43 Pacific Daylight Time

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

Callibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_8, Date: 06-Jun-2020, Time: 03:46:13, ID: 2000999-04 PDI-065SC-A-05-06-200429 15.25, Description: PDI-065SC-A-05-06-200429

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.56	2.294e3	1.587e3	1.847e2	1.470e2	1.26	YES	0.000e0	0.00000	0.067143	0.0582
Total Tetra-Dioxins	22.91	2.456e3	2.799e3	1.772e2	2.238e2	0.79	NO	4.010e2	0.10346	0.10346	0.0582
Total Tetra-Dioxins	24.34	6.052e3	6.368e3	4.258e2	4.952e2	0.86	NO	9.210e2	0.23764	0.23764	0.0582

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.27	1.148e3	3.276e3	6.511e1	1.565e2	0.42	YES	0.000e0	0.00000	0.057337	0.0301
Total Penta-Dioxins	29.74	4.178e3	9.139e3	1.876e2	3.093e2	0.61	NO	4.969e2	0.16911	0.16911	0.0301

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.35	1.209e4	1.620e4	7.873e2	7.433e2	1.06	NO	1.531e3	0.69725	0.69725	0.104
Total Hexa-Dioxins	34.19	5.457e3	4.522e3	3.967e2	2.963e2	1.34	NO	6.930e2	0.31572	0.31572	0.104

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.75	1.313e4	1.439e4	8.400e2	9.314e2	0.90	NO	1.771e3	1.1281	1.1281	0.124
1,2,3,4,6,7,8-HpCDD	38.79	1.263e4	1.038e4	7.197e2	6.256e2	1.15	NO	1.345e3	0.85671	0.85671	0.124

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	21.53	4.618e3	6.361e3	4.242e2	5.388e2	0.79	NO	9.629e2	0.23170	0.23170	0.0415

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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-8.qld

Last Altered: Monday, June 08, 2020 14:24:57 Pacific Daylight Time

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Name: 200605R2_8, Date: 06-Jun-2020, Time: 03:46:13, ID: 2000999-04 PDI-065SC-A-05-06-200429 15.25, Description: PDI-065SC-A-05-06-200429

Penta-Furans function 1

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

Penta-Furans

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

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.59	9.020e2	1.415e3	2.886e1	4.695e1	0.61	YES	7.582e1	0.00000	0.025697	0.0411
Total Hexa-Furans	35.63	9.760e2	5.260e2	2.376e1	1.048e1	2.27	YES	0.000e0	0.00000	0.00891...	0.0284

Hepta-Furans

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

Dataset: Untitled

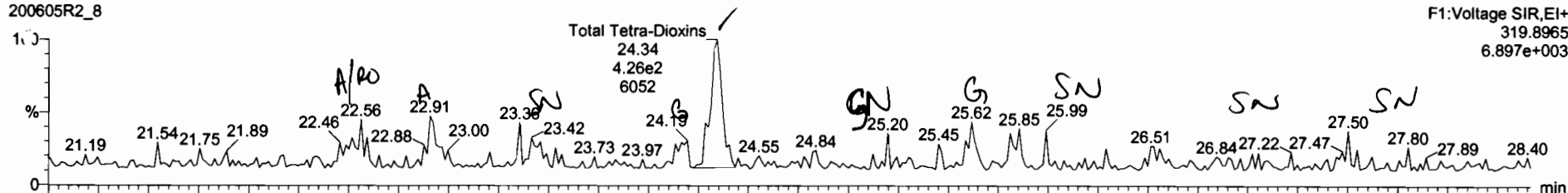
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

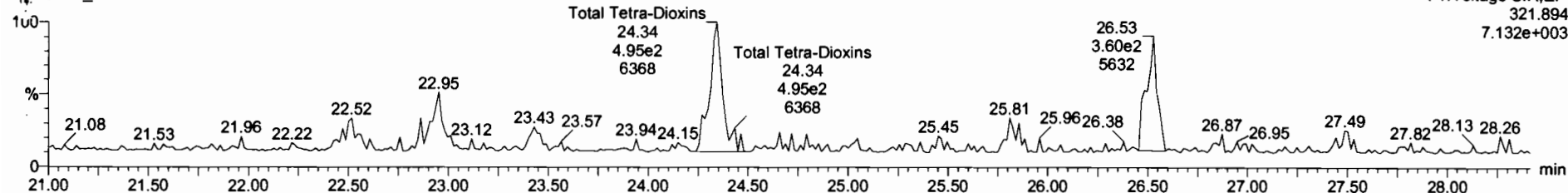
Name: 200605R2_8, Date: 06-Jun-2020, Time: 03:46:13, ID: 2000999-04 PDI-065SC-A-05-06-200429 15.25, Description: PDI-065SC-A-05-06-200429

2,3,7,8-TCDD

200605R2_8

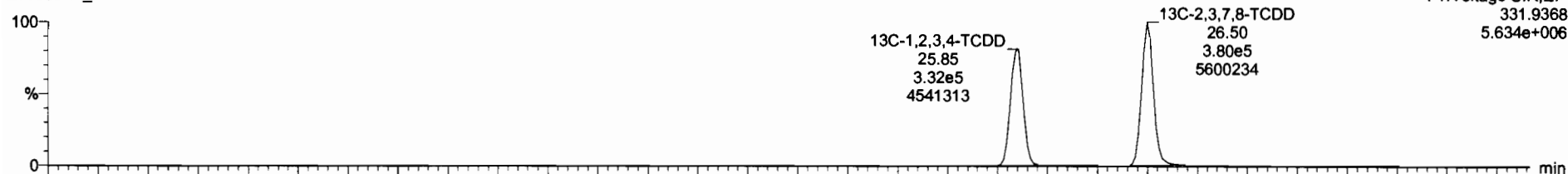


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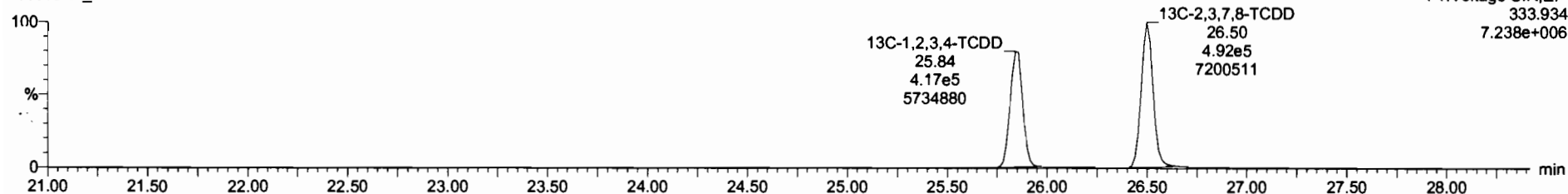


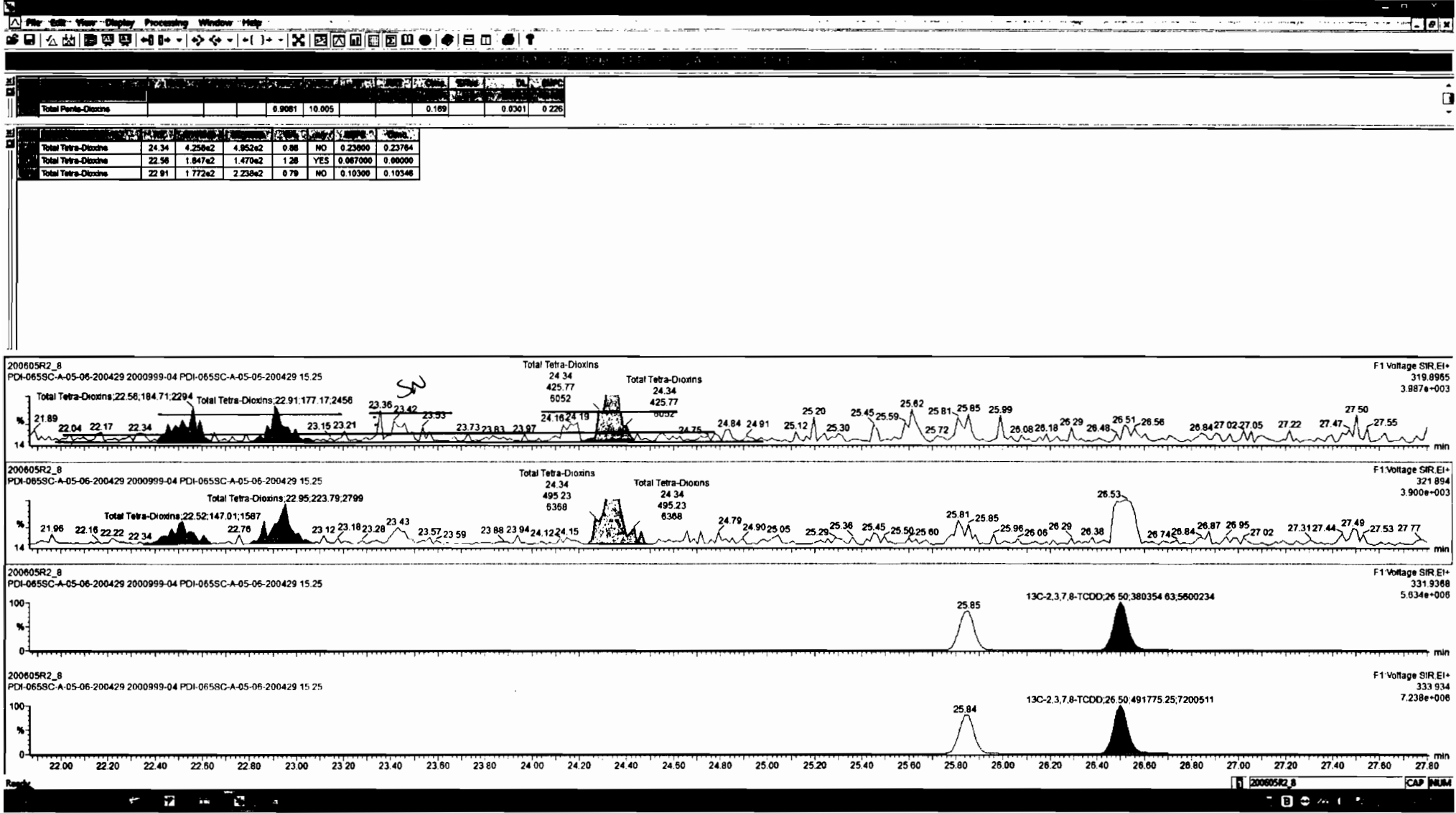
13C-2,3,7,8-TCDD

200605R2_8



200605R2_8





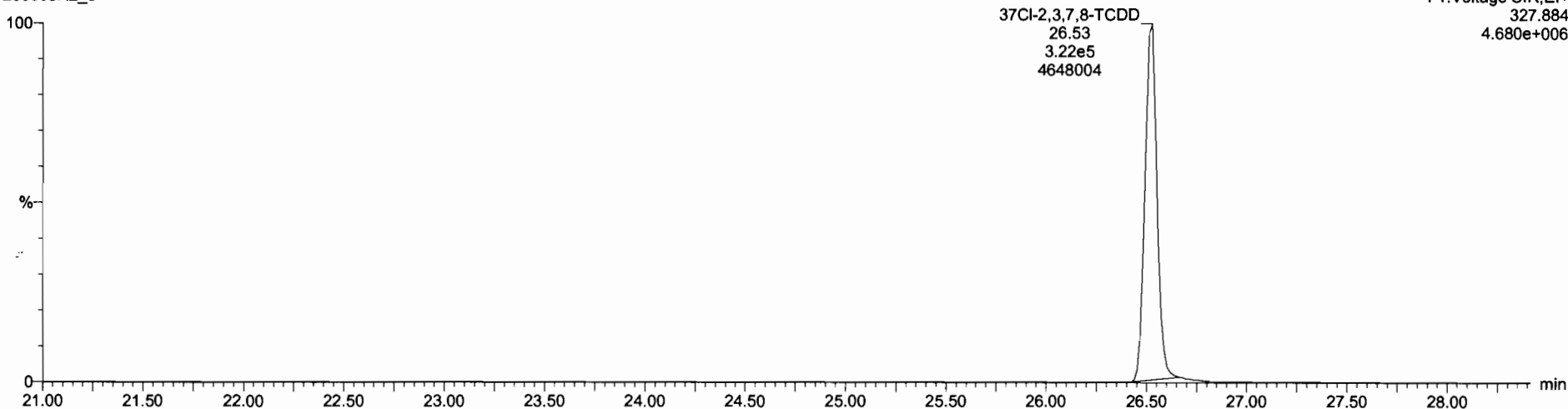
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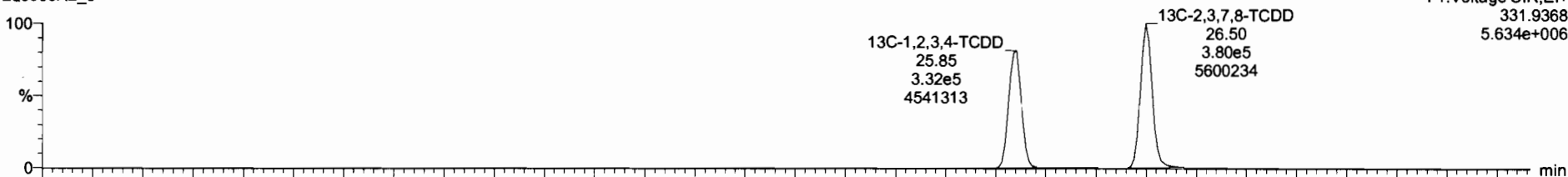
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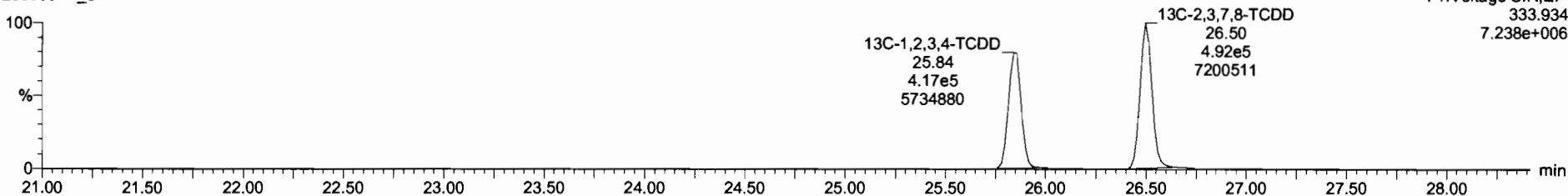


13C-1,2,3,4-TCDD

200605R2_8



200605R2_8



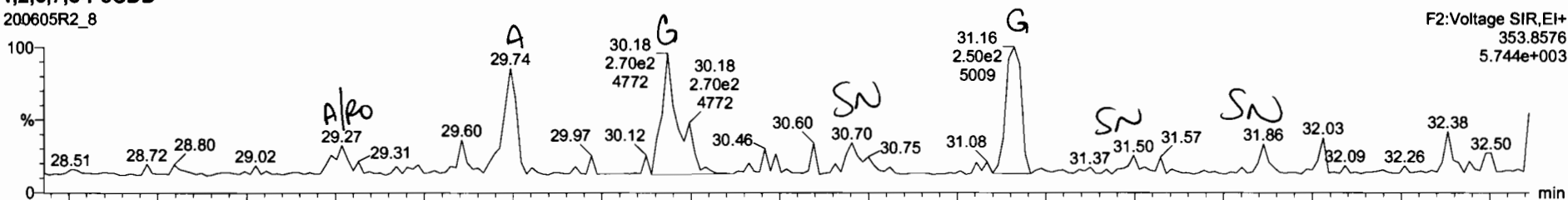
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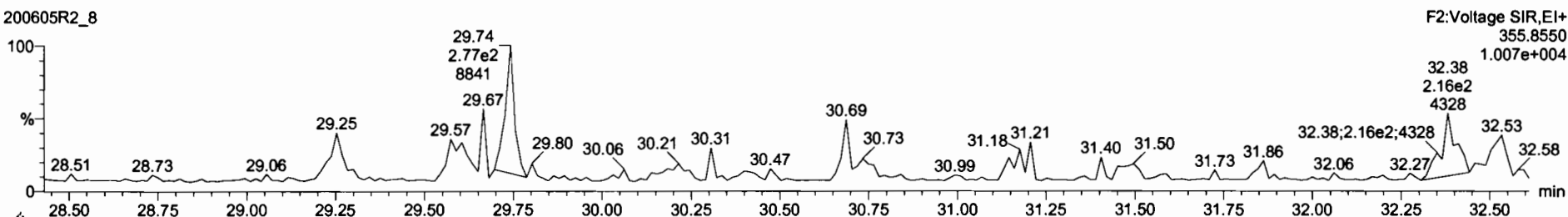
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1,2,3,7,8-PeCDD

200605R2_8

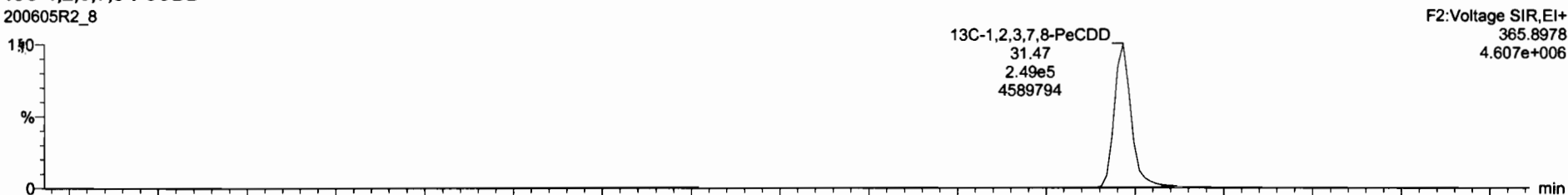


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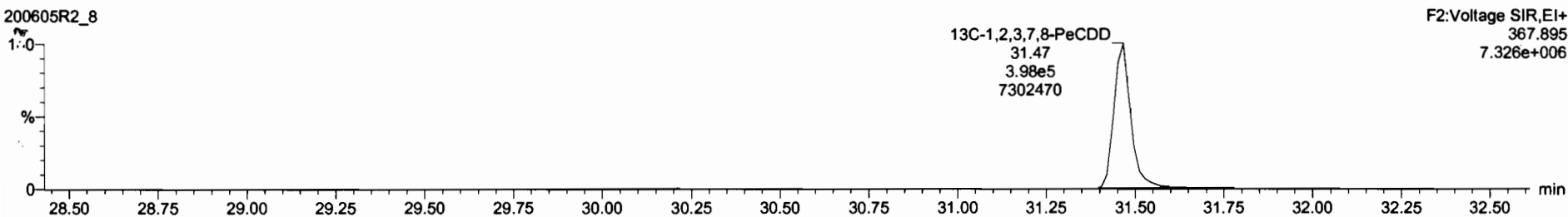


13C-1,2,3,7,8-PeCDD

200605R2_8

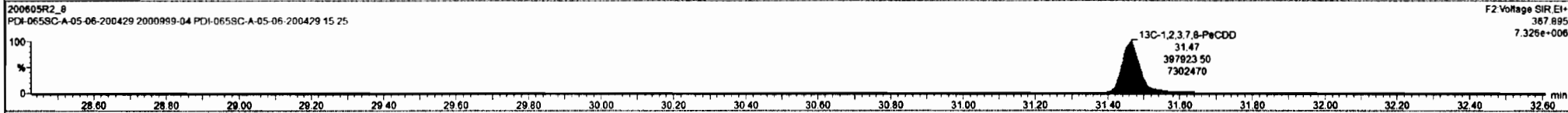
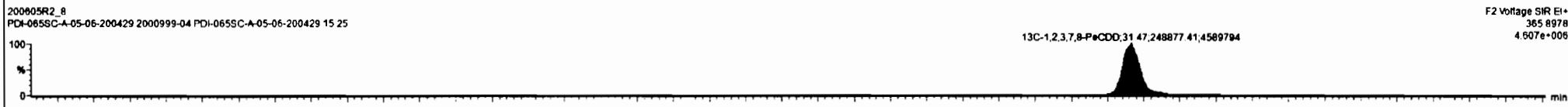
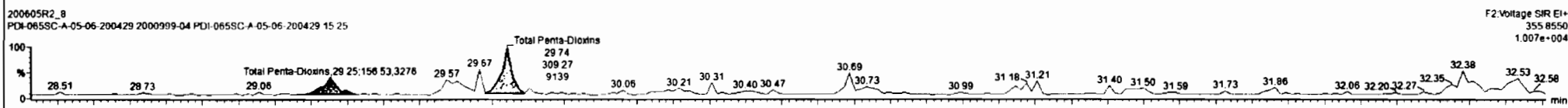
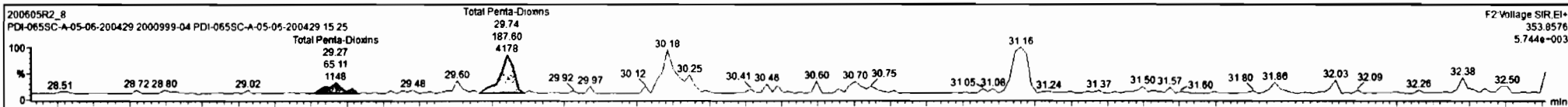


200605R2_8



Conc.	SPNo	DL	EMPC
0.6883	10.905	0.341	0.0582
0.406			

Total Penta-Dioxins	29.27	6.511e1	1.565e2	0.42	YES	0.057000	0.00000
Total Penta-Dioxins	29.74	1.878e2	3.093e2	0.61	NO	0.18900	0.18911



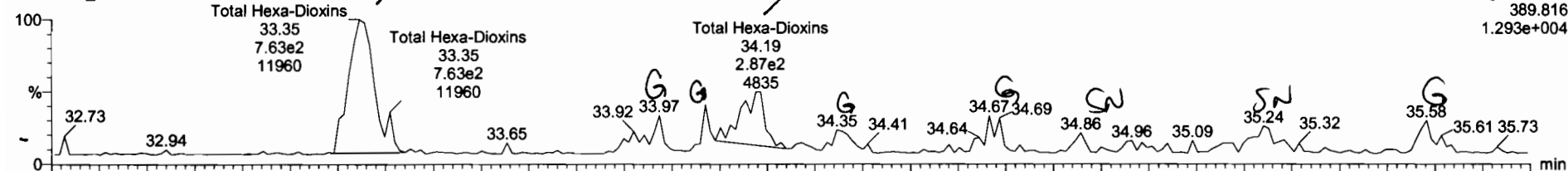
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

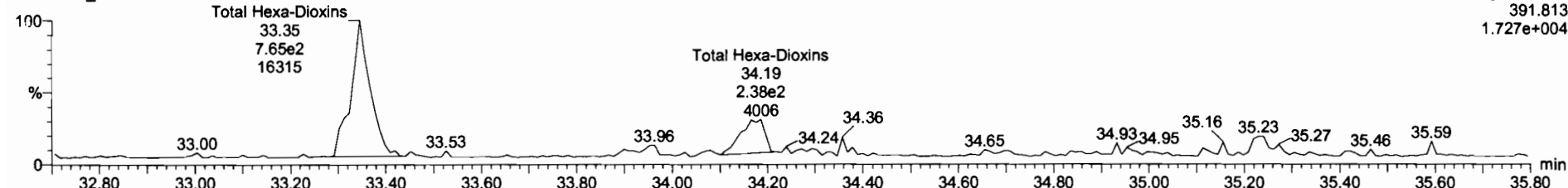
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1,2,3,4,7,8-HxCDD

200605R2_8

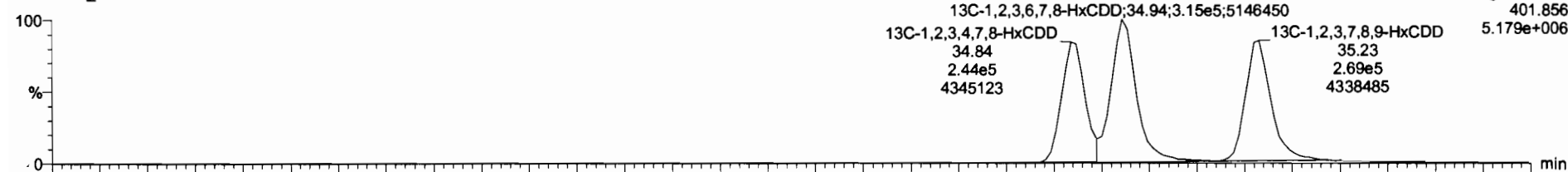


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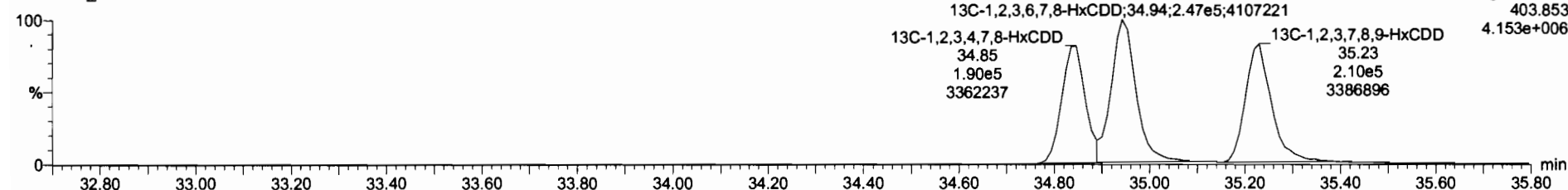


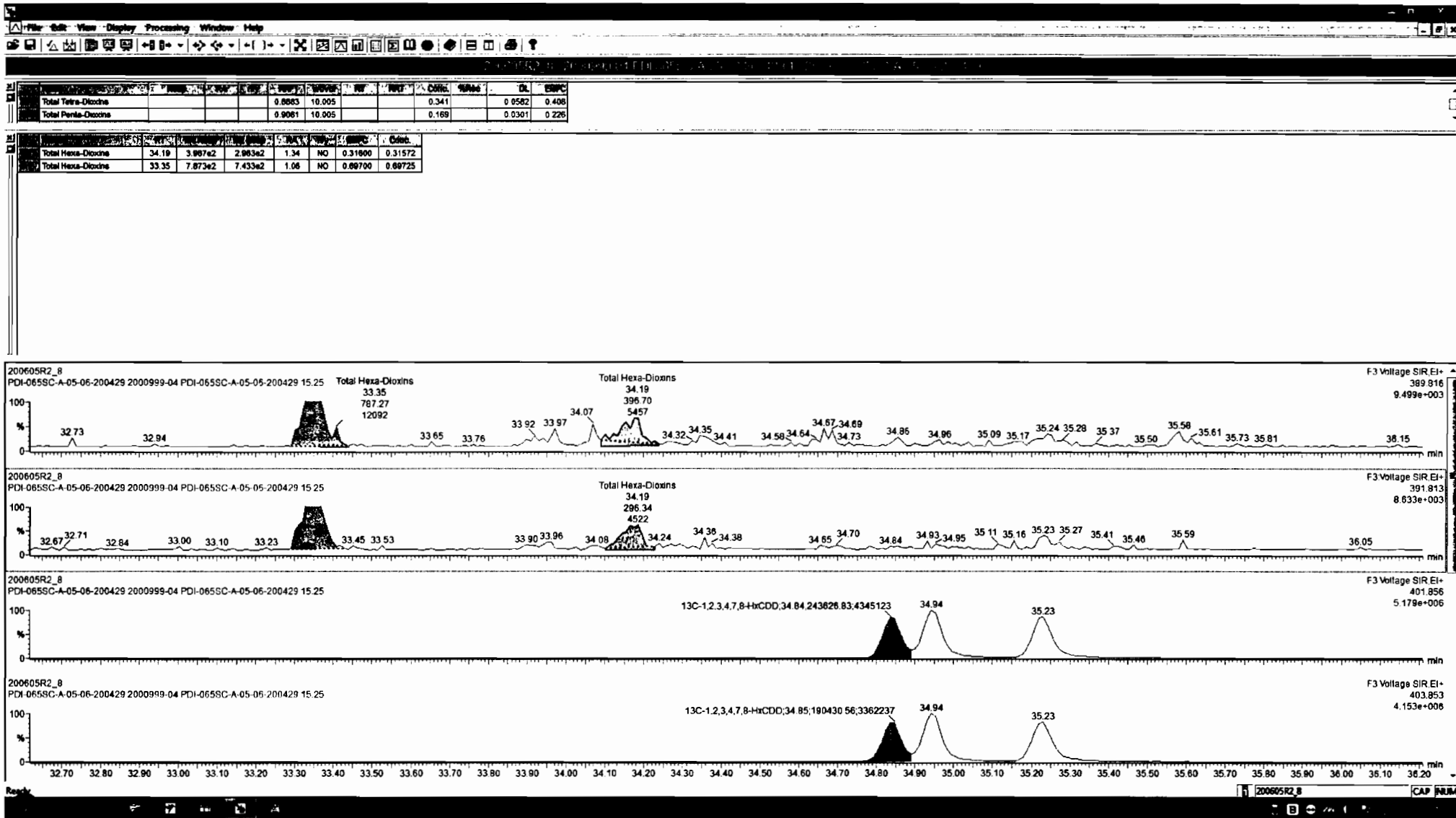
13C-1,2,3,4,7,8-HxCDD

200605R2_8



200605R2_8





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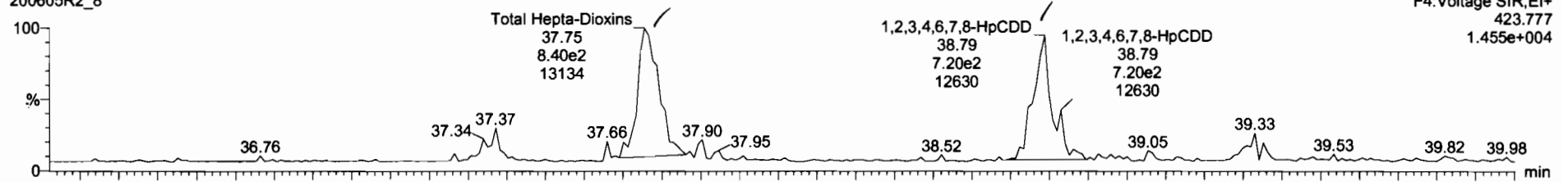
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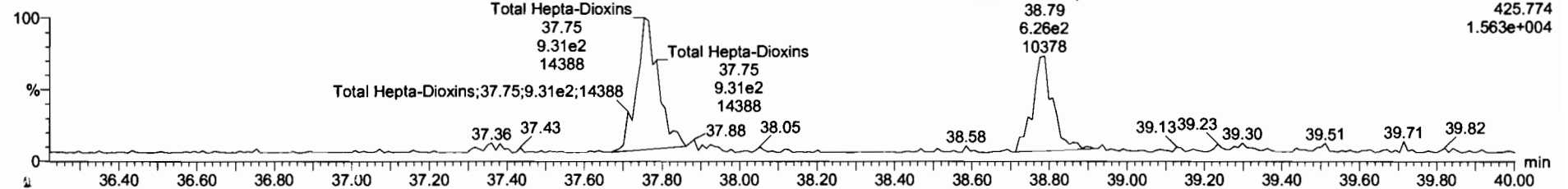
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1,2,3,4,6,7,8-HpCDD

200605R2_8

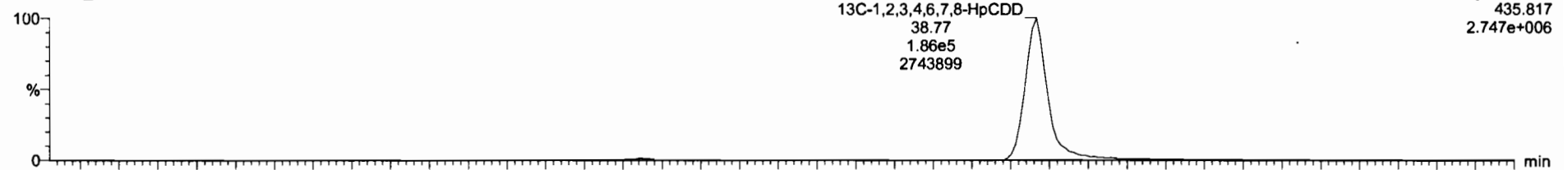


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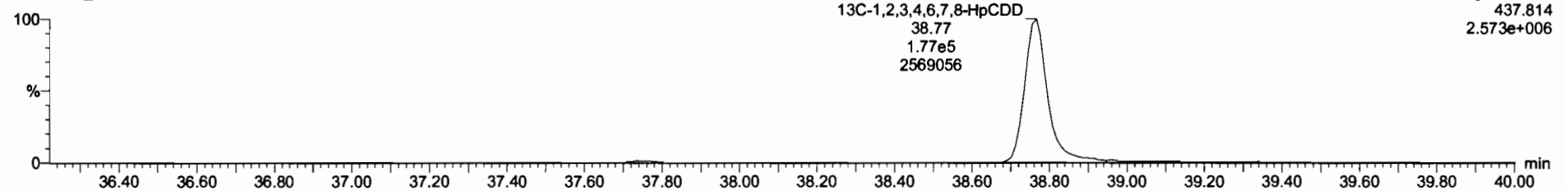


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200605R2_8



200605R2_8

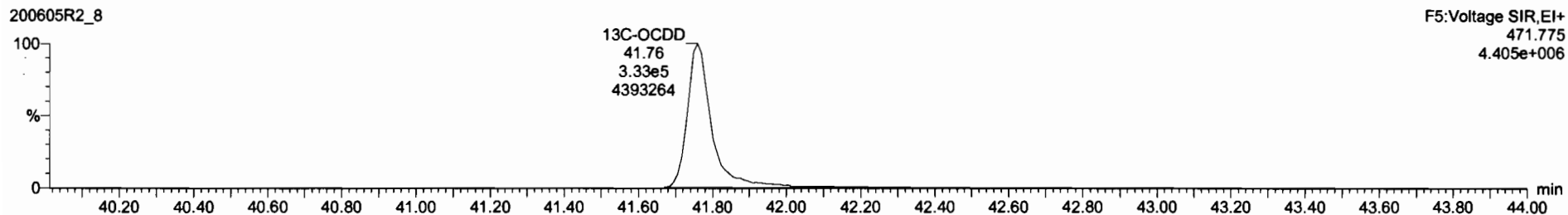
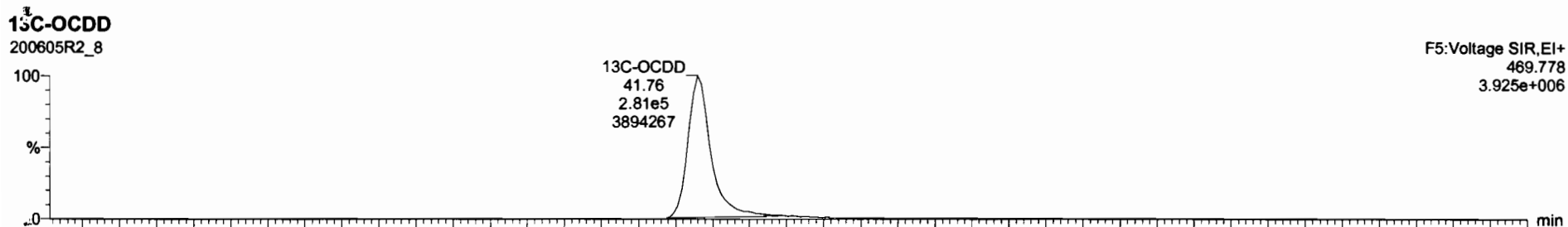
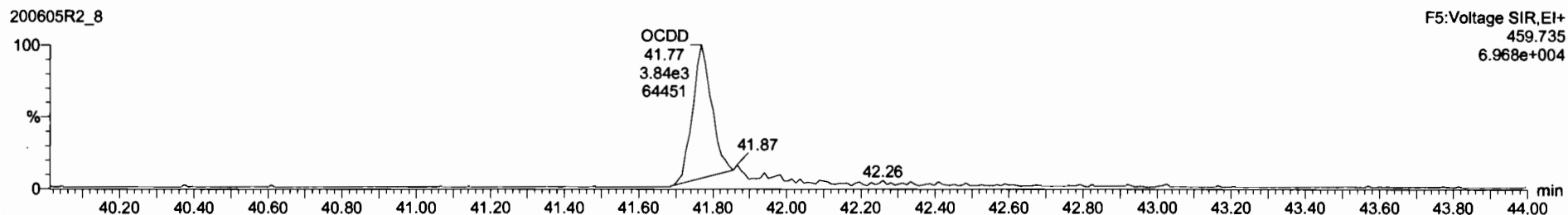
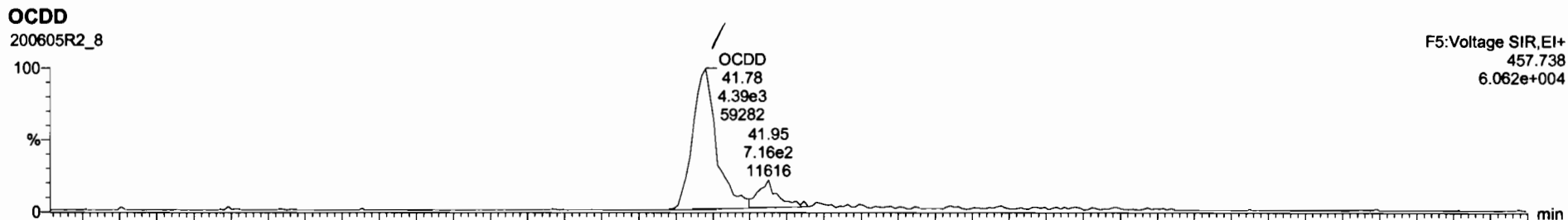


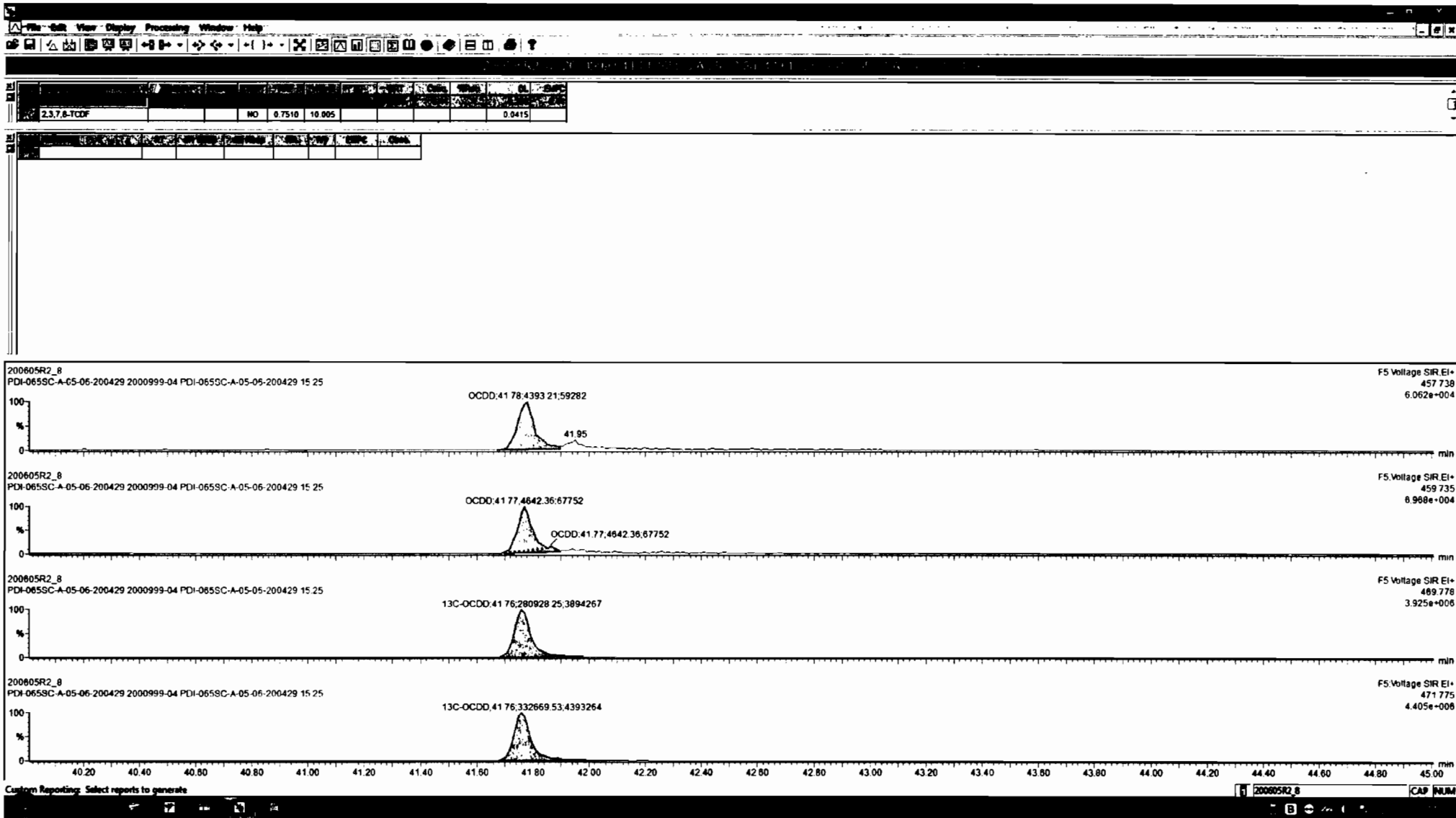
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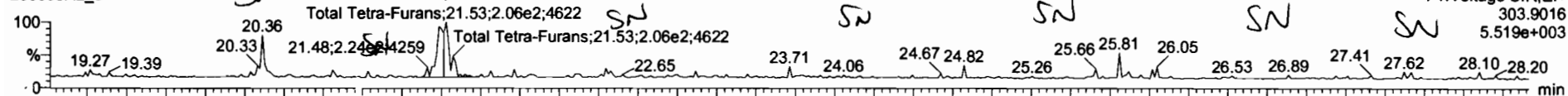
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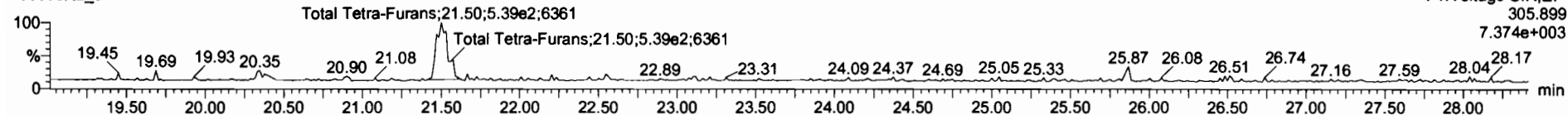
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2,3,7,8-TCDF

200605R2_8

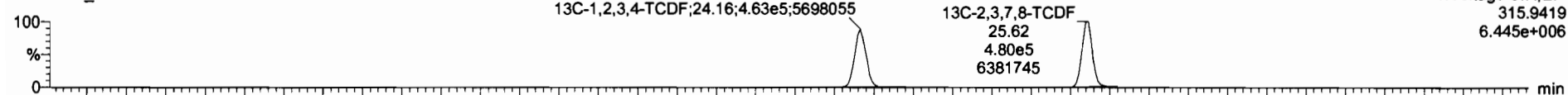


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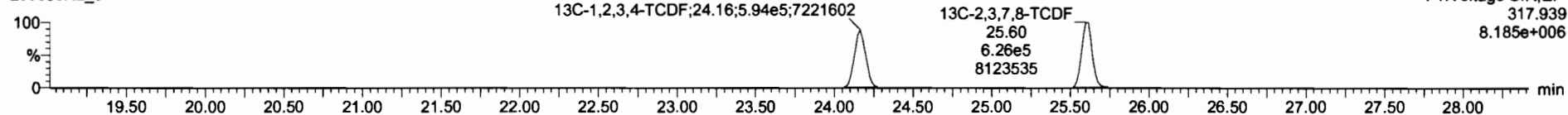


13C-2,3,7,8-TCDF

200605R2_8

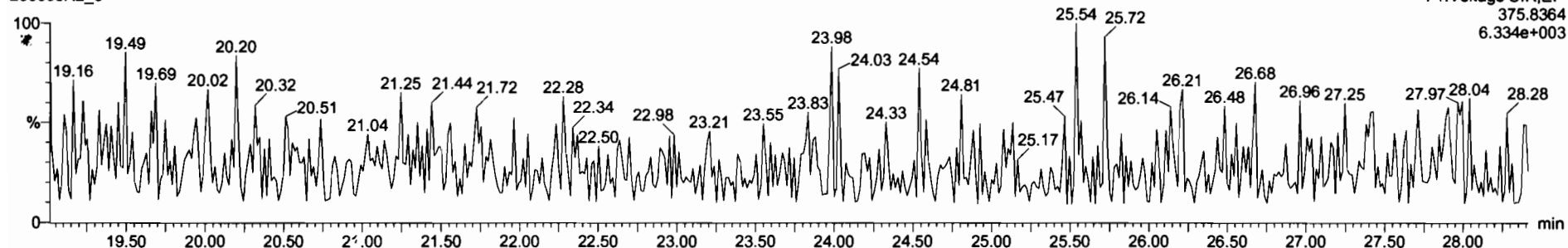


200605R2_8



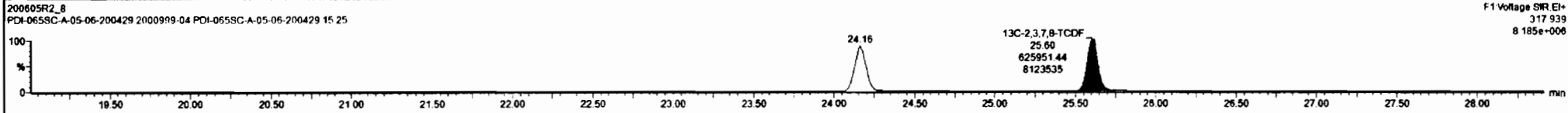
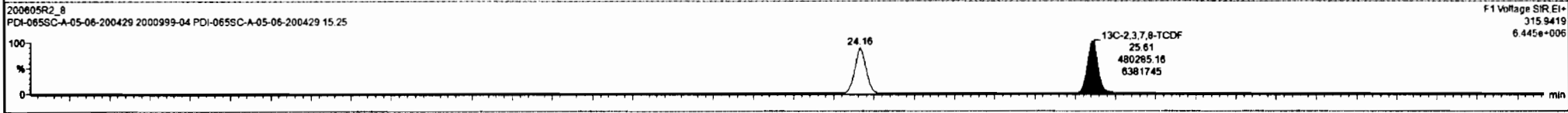
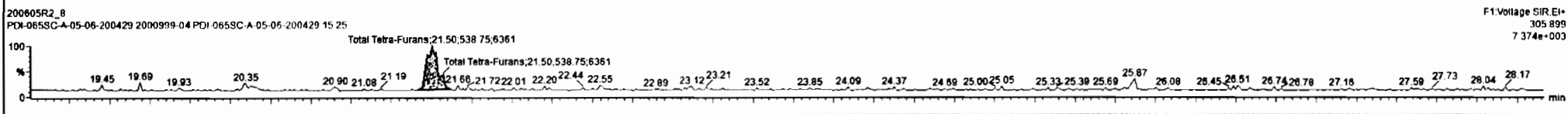
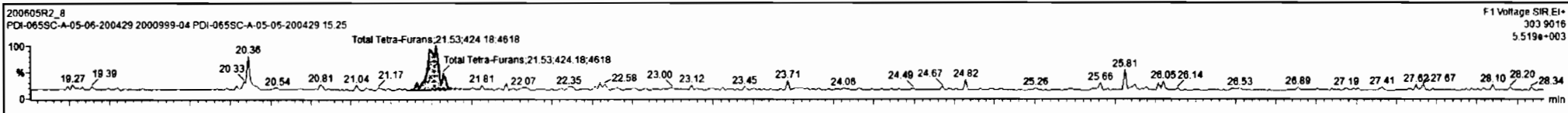
DPE1

200605R2_8



NAME	QTY	UNIT	AMOUNT	PRICE	TOTAL	DATE	TIME
Total Hepta-Dioxins	0.8530	10.005		1.90		0.124	1.99

NAME	QTY	UNIT	AMOUNT	PRICE	TOTAL	DATE	TIME
Total Tetra-Furans	21.53	4.242e2	5.389e2	0.79	NO	0.23200	0.23170



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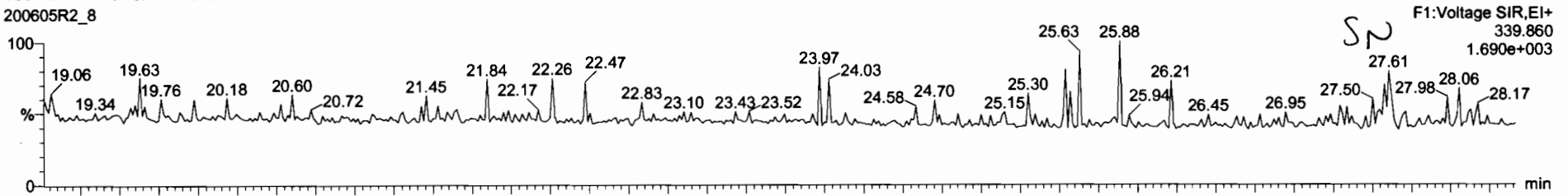
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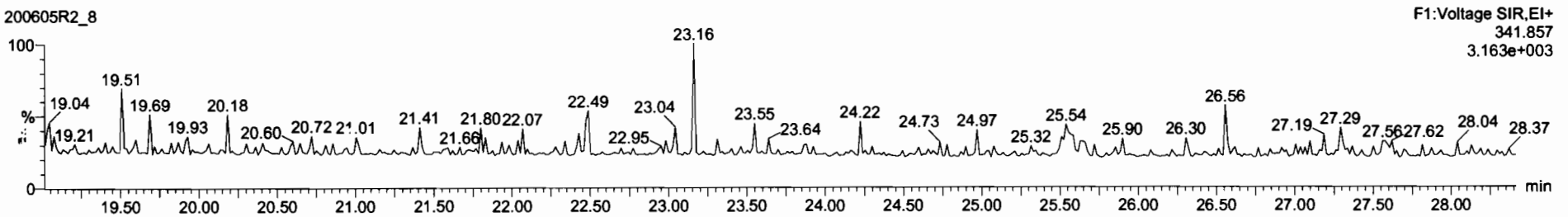
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1st Func. Penta-Furans

200605R2_8

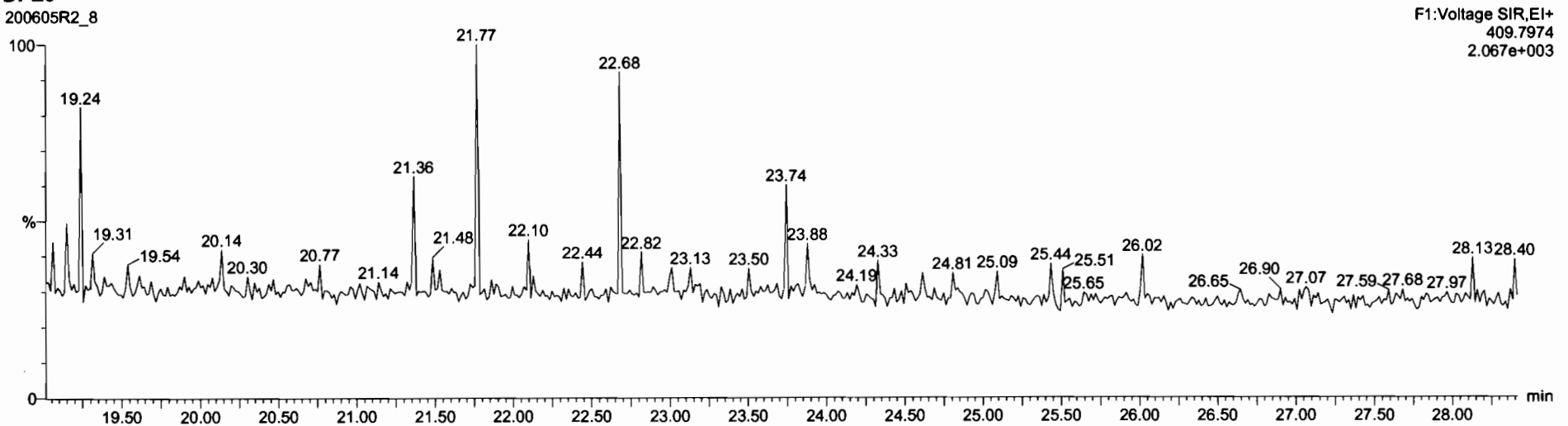


200605R2_8



DPE6

200605R2_8

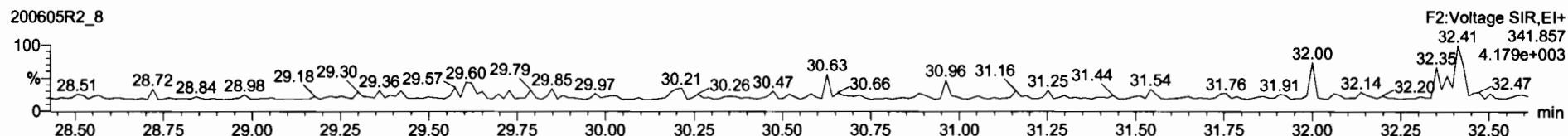
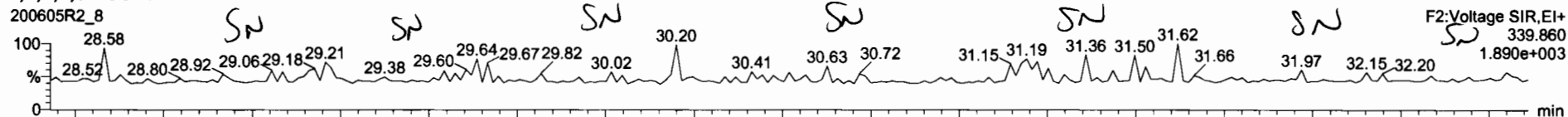


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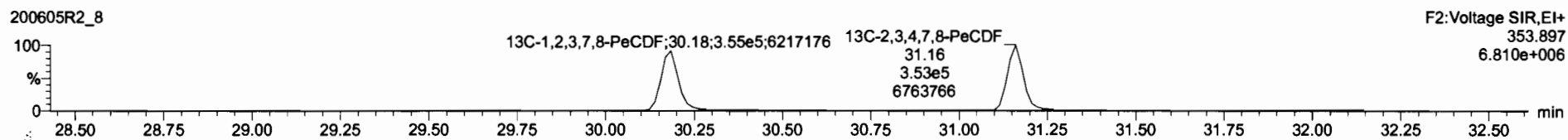
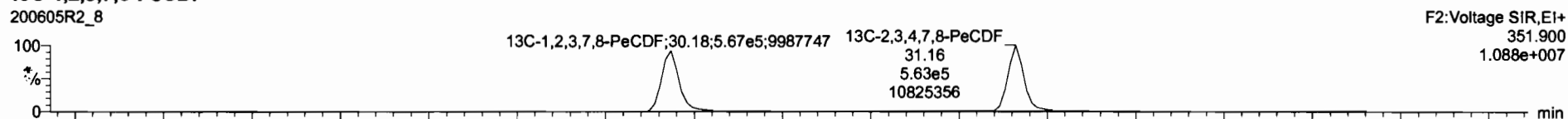
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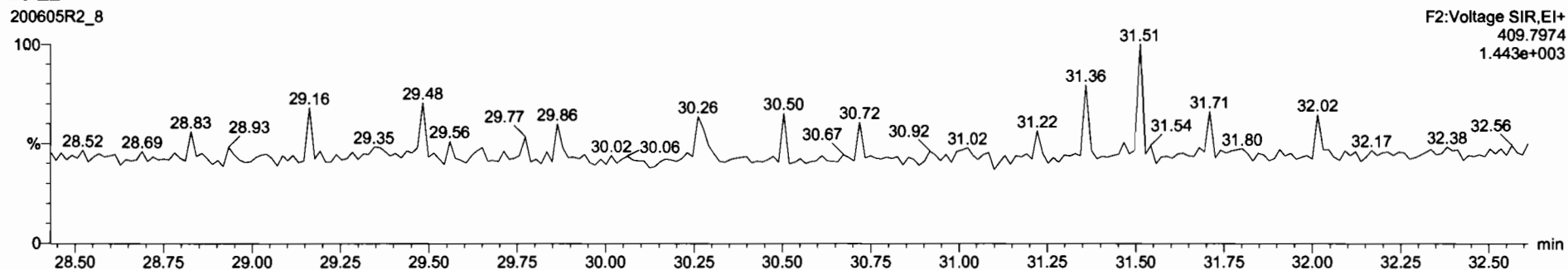
1,2,3,7,8-PeCDF



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



DPE2



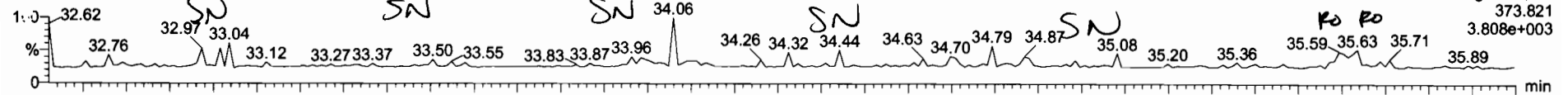
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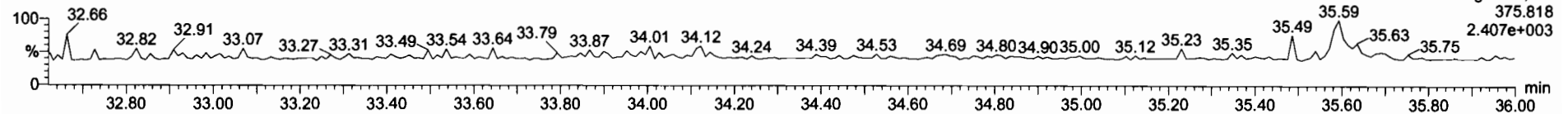
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1,2,3,4,7,8-HxCDF

200605R2_8

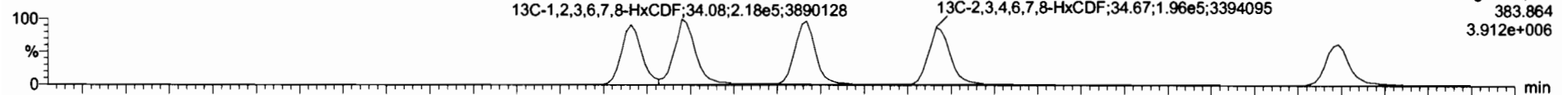


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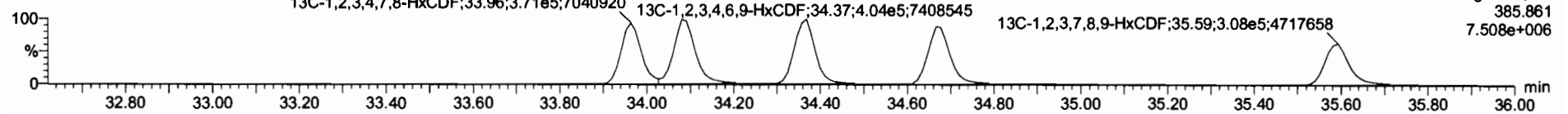


13C-1,2,3,4,7,8-HxCDF

200605R2_8

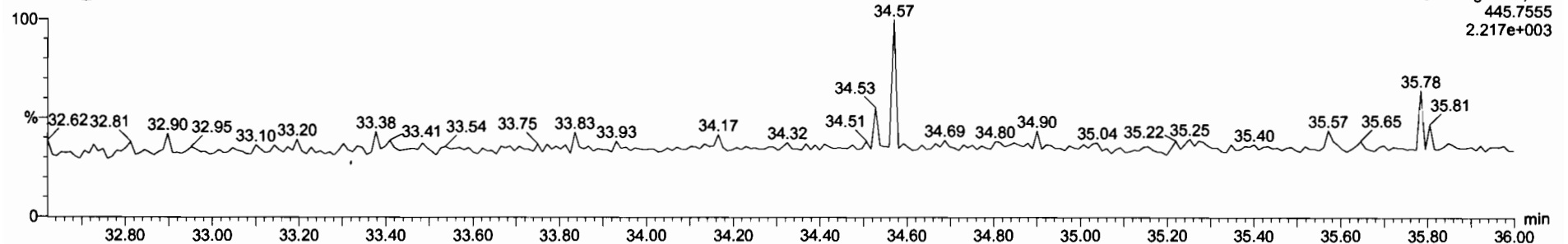


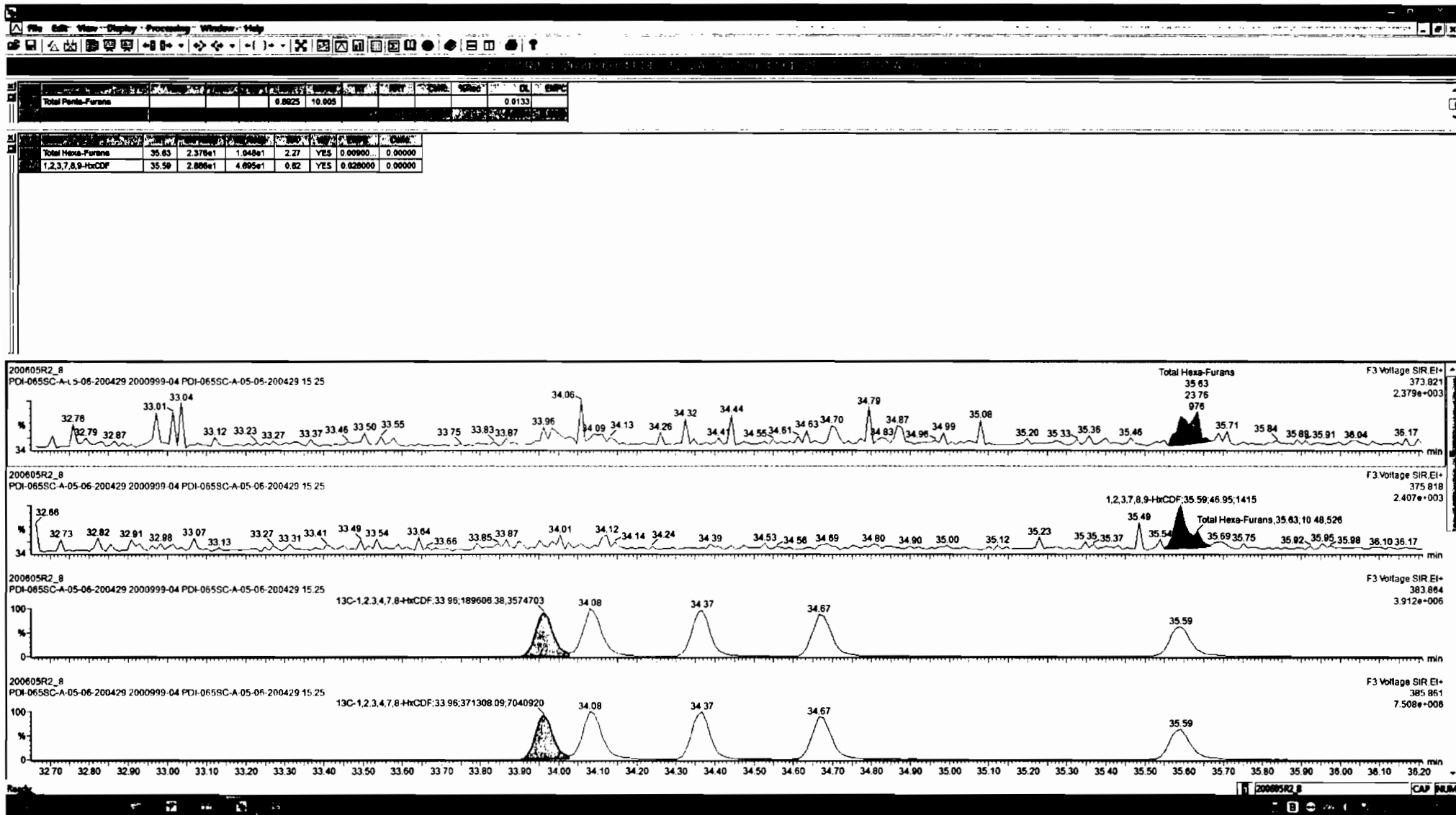
200605R2_8



DPE3

200605R2_8





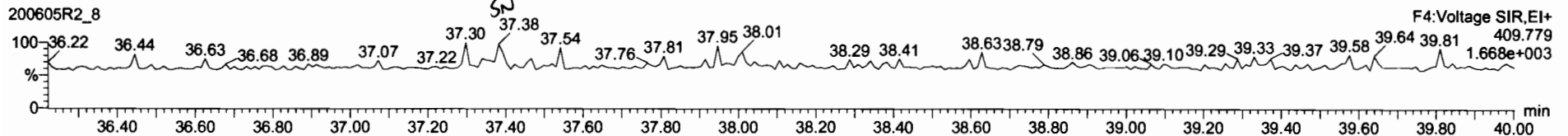
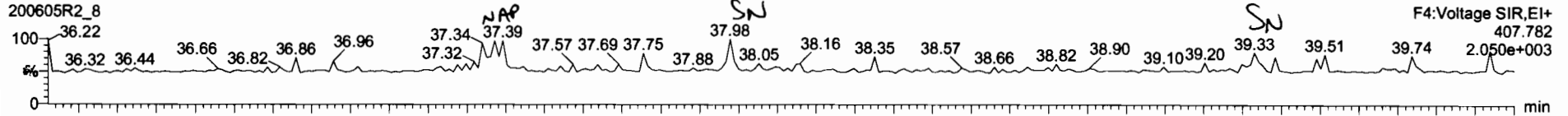
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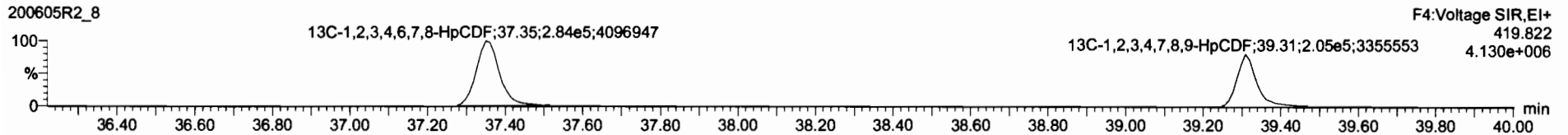
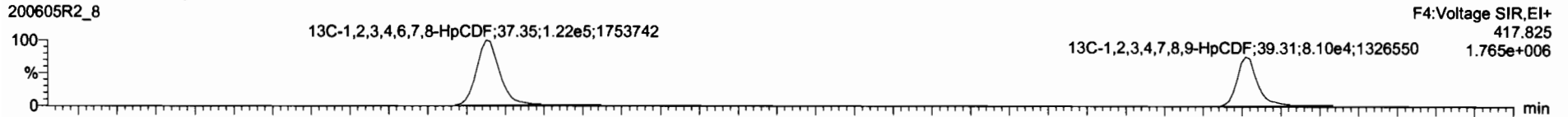
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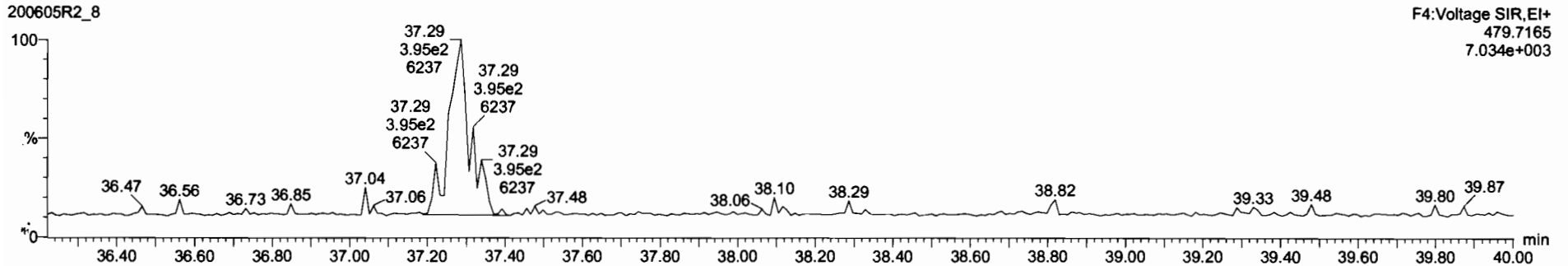
1,2,3,4,6,7,8-HpCDF



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



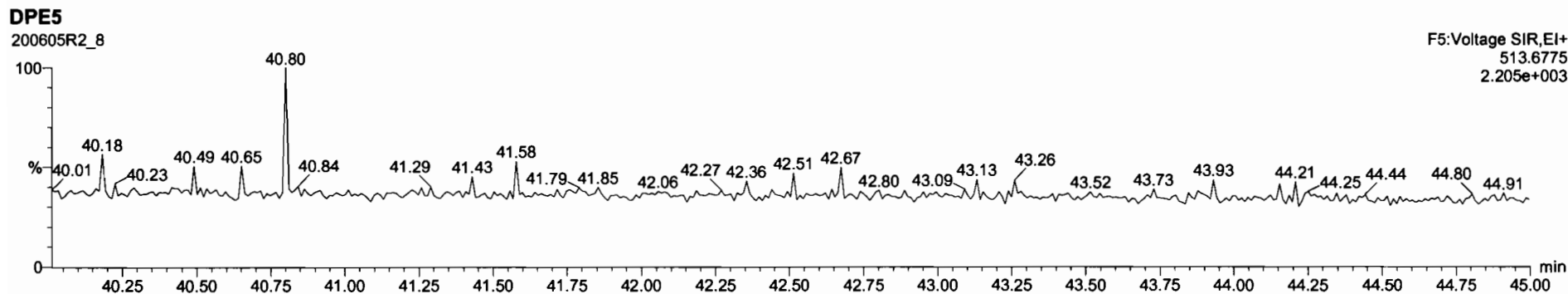
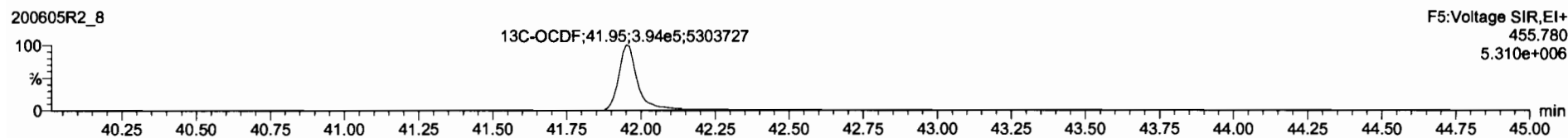
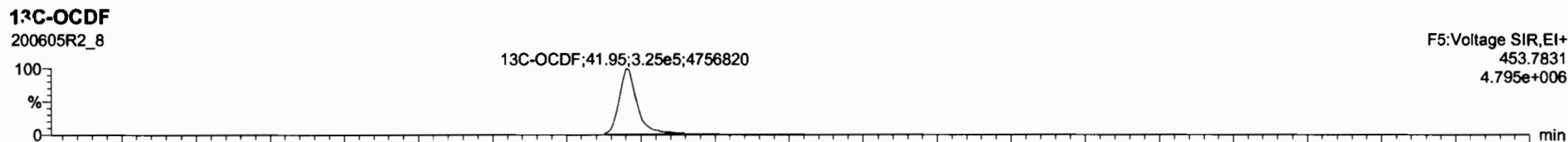
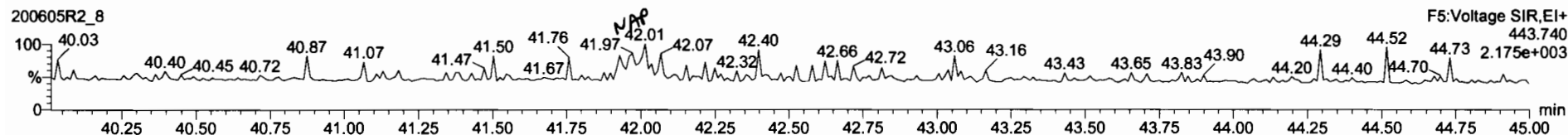
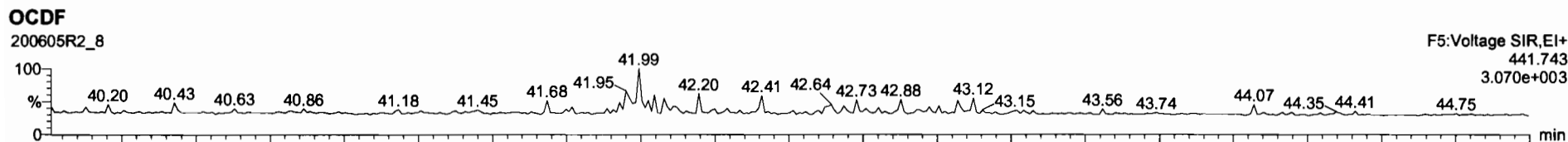
DPE4



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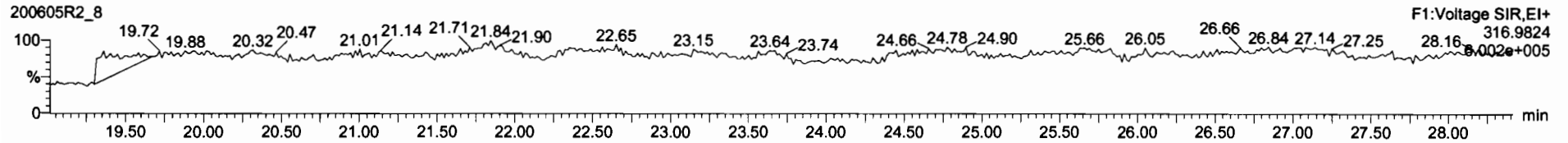
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

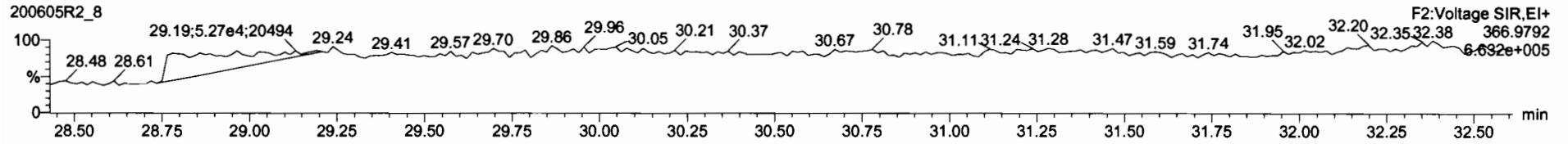
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_8, Date: 06-Jun-2020, Time: 03:46:13, ID: 2000999-04 PDI-065SC-A-05-06-200429 15.25, Description: PDI-065SC-A-05-06-200429

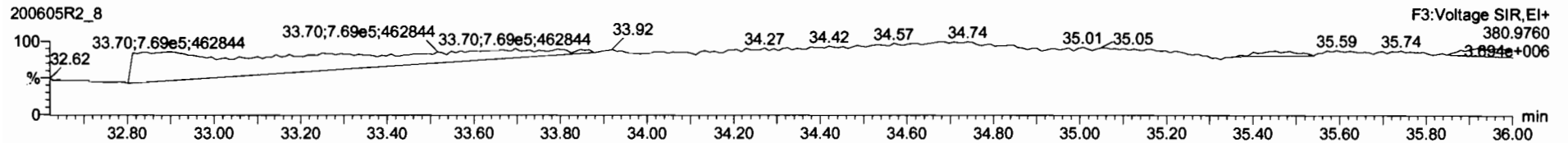
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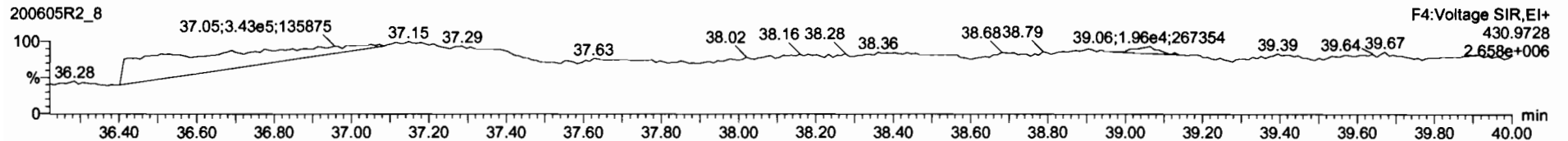
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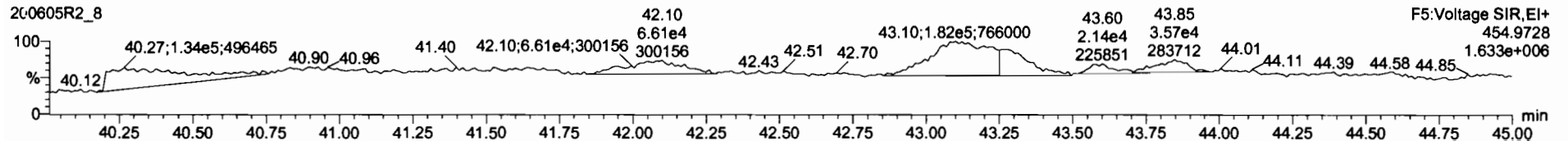
PFK3



Pi K4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-9.qld

Last Altered: Monday, June 08, 2020 14:33:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 14:34:29 Pacific Daylight Time

geb 06/08/2020

C106/07/2020

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: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRR	Conc	U Conc	Dil
1	2,3,7,8-TCDD			NO	0.888	10.047	26.515		1.001				0.0759
2	1,2,3,7,8-PeCDD			NO	0.908	10.047	31.472		1.001				0.103
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.047	34.835		1.000				0.0993
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.047	34.932		1.000				0.100
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.047	35.220		1.000				0.117
6	1,2,3,4,6,7,8-HpCDD	2.14e3	1.01	NO	0.864	10.047	38.767	38.76	1.000	1.000	1.4396		0.273 1.44
7	OCDD	1.48e4	0.89	NO	0.914	10.047	41.748	41.75	1.000	1.000	10.989		0.230 11.0
8	2,3,7,8-TCDF			NO	0.751	10.047	25.626		1.001				0.0484
9	1,2,3,7,8-PeCDF			NO	0.893	10.047	30.190		1.001				0.0501
10	2,3,4,7,8-PeCDF			NO	0.935	10.047	31.176		1.001				0.0476
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.047	33.952		1.000				0.0426
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.047	34.079		1.000				0.0381
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.047	34.690		1.001				0.0386
14	1,2,3,7,8,9-HxCDF	1.18e2	1.91	YES	0.871	10.047	35.582	35.59	1.000	1.000	0.06051		0.0389 0.0469 <i>OK</i>
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.047	37.386		1.001				0.0430
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.047	39.299		1.000				0.0450
17	OCDF			NO	0.806	10.047	41.940		1.000				0.0859
18	13C-2,3,7,8-TCDD	6.70e5	0.77	NO	1.16	10.047	26.522	26.48	1.026	1.025	158.72	79.7	0.163
19	13C-1,2,3,7,8-PeCDD	5.47e5	0.62	NO	0.849	10.047	31.711	31.45	1.227	1.217	176.56	88.7	0.430
20	13C-1,2,3,4,7,8-HxCDD	3.92e5	1.29	NO	0.779	10.047	34.830	34.83	1.014	1.014	174.90	87.9	0.571
21	13C-1,2,3,6,7,8-HxCDD	5.14e5	1.33	NO	1.02	10.047	34.944	34.93	1.017	1.017	175.43	88.1	0.437
22	13C-1,2,3,7,8,9-HxCDD	4.78e5	1.32	NO	0.903	10.047	35.215	35.21	1.025	1.025	183.73	92.3	0.493
23	13C-1,2,3,4,6,7,8-HpCDD	3.43e5	1.04	NO	0.689	10.047	38.739	38.76	1.128	1.128	172.87	86.8	0.526
24	13C-OCDD	5.88e5	0.91	NO	0.652	10.047	41.761	41.75	1.216	1.216	312.94	78.6	0.643
25	13C-2,3,7,8-TCDF	8.20e5	0.76	NO	1.06	10.047	25.564	25.60	0.989	0.991	146.60	73.6	0.245
26	13C-1,2,3,7,8-PeCDF	7.80e5	1.58	NO	0.838	10.047	30.093	30.17	1.165	1.168	176.13	88.5	0.642
27	13C-2,3,4,7,8-PeCDF	7.53e5	1.59	NO	0.817	10.047	31.047	31.15	1.202	1.205	174.54	87.7	0.659
28	13C-1,2,3,4,7,8-HxCDF	5.00e5	0.50	NO	1.01	10.047	33.961	33.95	0.989	0.989	172.38	86.6	0.617
29	13C-1,2,3,6,7,8-HxCDF	5.97e5	0.51	NO	1.17	10.047	34.085	34.07	0.992	0.992	177.67	89.3	0.532
30	13C-2,3,4,6,7,8-HxCDF	5.57e5	0.48	NO	1.02	10.047	34.659	34.65	1.009	1.009	189.32	95.1	0.608
31	13C-1,2,3,7,8,9-HxCDF	4.44e5	0.50	NO	0.860	10.047	35.558	35.58	1.035	1.036	179.47	90.2	0.723

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-9.qld

Last Altered: Monday, June 08, 2020 14:33:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 14:34:29 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred. RT	Act. RT	RRF	RRF	Area	Area	Area
32	13C-1,2,3,4,6,7,8-HpCDF	3.92e5	0.42	NO	0.774	10.047	37.307	37.35	1.086	1.087	175.58	88.2	0.605
33	13C-1,2,3,4,7,8,9-HpCDF	2.51e5	0.43	NO	0.521	10.047	39.336	39.30	1.145	1.144	167.56	84.2	0.900
34	13C-OCDF	6.41e5	0.86	NO	0.746	10.047	41.933	41.94	1.221	1.221	298.59	75.0	0.494
35	37Cl-2,3,7,8-TCDD	2.42e5			1.04	10.047	26.553	26.51	1.028	1.026	63.907	80.3	0.0566
36	13C-1,2,3,4-TCDD	7.27e5	0.81	NO	1.00	10.047	25.890	25.84	1.000	1.000	199.07	100	0.189
37	13C-1,2,3,4-TCDF	1.05e6	0.79	NO	1.00	10.047	24.360	24.16	1.000	1.000	199.07	100	0.260
38	13C-1,2,3,4,6,9-HxCDF	5.73e5	0.50	NO	1.00	10.047	34.420	34.35	1.000	1.000	199.07	100	0.621
39	Total Tetra-Dioxins				0.888	10.047	24.620		0.000		0.37741		0.0759
40	Total Penta-Dioxins				0.908	10.047	29.960		0.000		0.11439		0.0530
41	Total Hexa-Dioxins				0.892	10.047	33.635		0.000		1.6259		0.110
42	Total Hepta-Dioxins				0.864	10.047	37.640		0.000		3.7022		0.273
43	Total Tetra-Furans				0.751	10.047	23.610		0.000		0.31702		0.0484
44	1st Func. Penta-Furans				0.893	10.047	27.580		0.000				0.00842
45	Total Penta-Furans				0.893	10.047	29.275		0.000				0.0201
46	Total Hexa-Furans				0.934	10.047	33.555		0.000		0.014078		0.0264
47	Total Hepta-Furans				0.873	10.047	37.835		0.000				0.0261

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-9.qld

Last Altered: Monday, June 08, 2020 14:33:29 Pacific Daylight Time

Printed: Monday, June 08, 2020 14:34:29 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: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.47	3.516e3	1.941e3	1.393e2	9.720e1	1.43	YES	0.000e0	0.00000	0.057533	0.0759
Total Tetra-Dioxins	22.94	1.868e3	2.272e3	1.534e2	1.959e2	0.78	NO	3.493e2	0.11679	0.11679	0.0759
Total Tetra-Dioxins	24.33	3.992e3	4.866e3	3.580e2	4.214e2	0.85	NO	7.794e2	0.26062	0.26062	0.0759

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.27	1.694e3	3.346e3	1.137e2	1.719e2	0.66	NO	2.856e2	0.11439	0.11439	0.0530
Total Penta-Dioxins	29.73	4.174e3	5.053e3	1.941e2	2.560e2	0.76	YES	0.000e0	0.00000	0.16712	0.103

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.33	2.298e4	1.947e4	1.222e3	9.883e2	1.24	NO	2.210e3	1.0690	1.0690	0.110
Total Hexa-Dioxins	34.15	1.003e4	7.452e3	5.946e2	5.570e2	1.07	NO	1.152e3	0.55695	0.55695	0.110

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.75	2.078e4	2.649e4	1.679e3	1.691e3	0.99	NO	3.369e3	2.2626	2.2626	0.273
1,2,3,4,6,7,8-HpCDD	38.76	1.847e4	1.700e4	1.079e3	1.065e3	1.01	NO	2.144e3	1.4396	1.4396	0.273

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Tetra-Furans	21.50	5.804e3	6.466e3	4.470e2	5.336e2	0.84	NO	9.807e2	0.31702	0.31702	0.0484

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-9.qld

Last Altered: Monday, June 08, 2020 14:33:29 Pacific Daylight Time

Printed: Monday, June 08, 2020 14:34:29 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

Penta-Furans function 1

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

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

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.59	1.845e3	1.089e3	7.759e1	4.066e1	1.91	YES	1.183e2	0.00000	0.046872	0.0389
Total Hexa-Furans	35.61	6.040e2	3.590e2	2.009e1	1.458e1	1.38	NO	3.466e1	0.014078	0.014078	0.0264

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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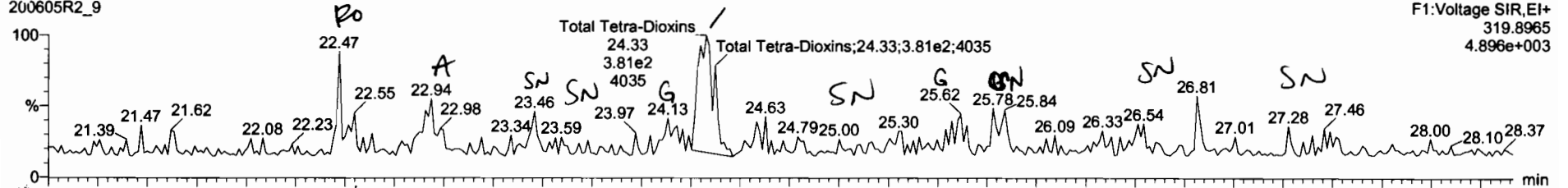
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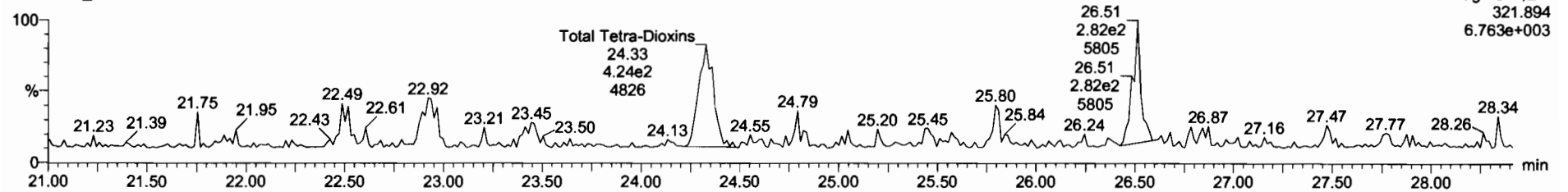
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2,3,7,8-TCDD

200605R2_9

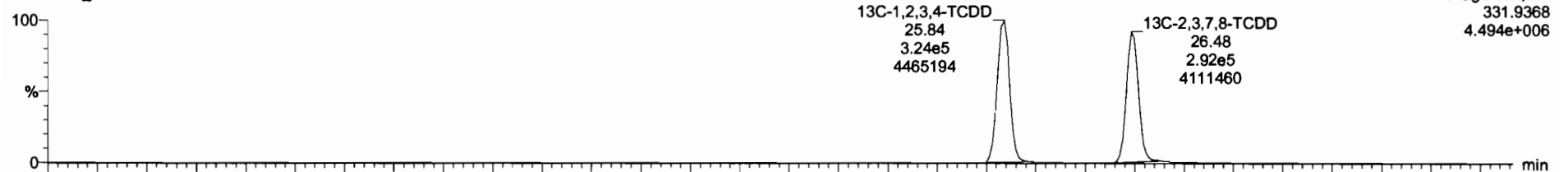


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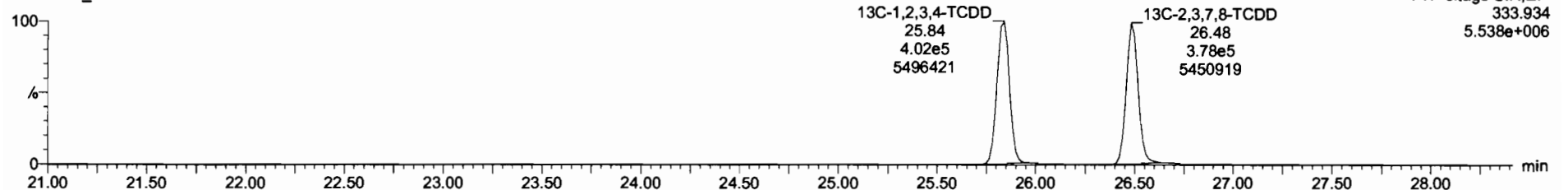


13C-2,3,7,8-TCDD

200605R2_9

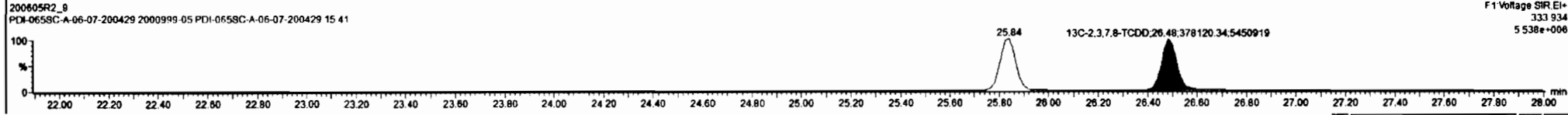
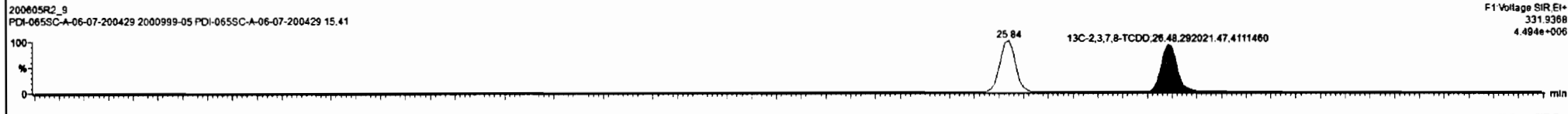
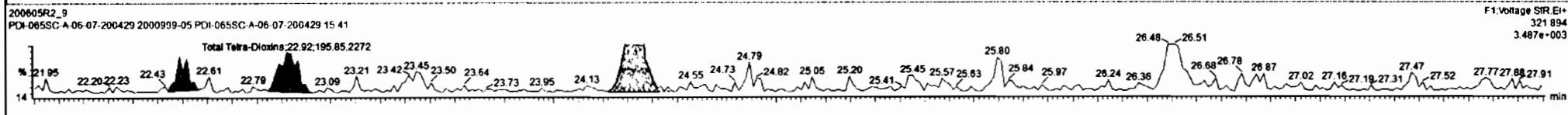
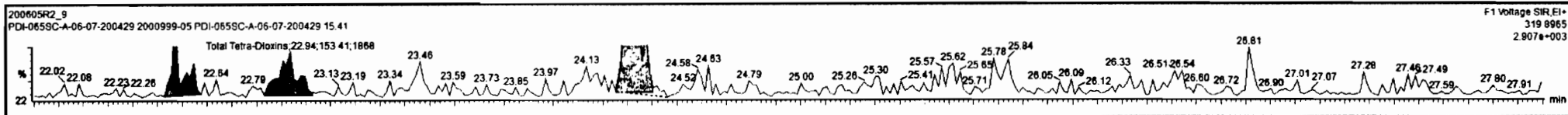


200605R2_9



Total Penta-Dioxins				0.9081	10.047		0.114	0.0530	0.282
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Total Tetra-Dioxins	24.33	3.580e2	4.214e2	0.85	NO	0.28100	0.28082
Total Tetra-Dioxins	22.94	1.534e2	1.950e2	0.78	NO	0.11700	0.11679
Total Tetra-Dioxins	22.47	1.393e2	9.720e1	1.43	YES	0.058000	0.00000



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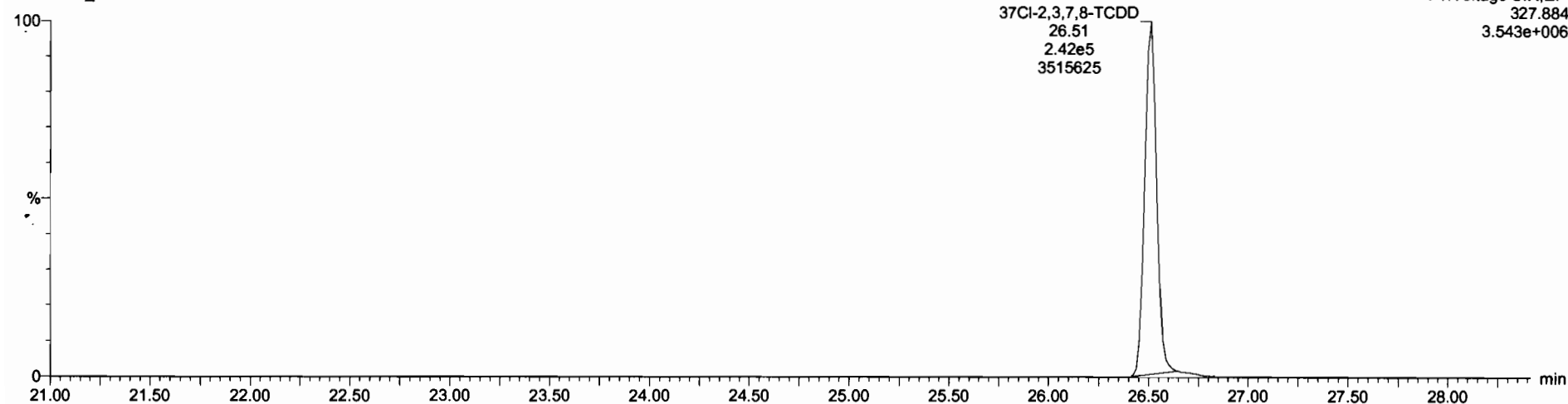
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Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

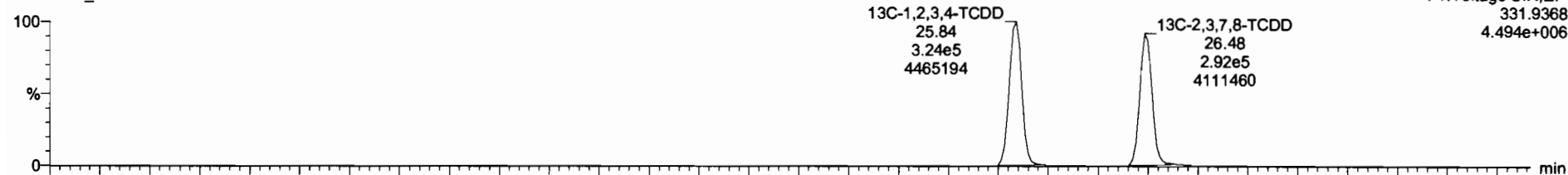
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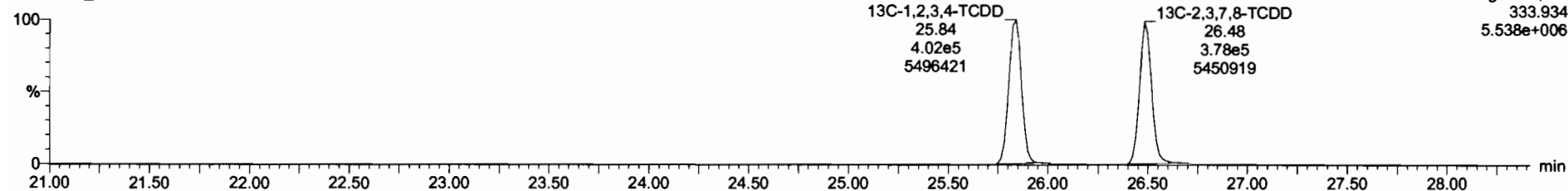


13C-1,2,3,4-TCDD

200605R2_9



200605R2_9



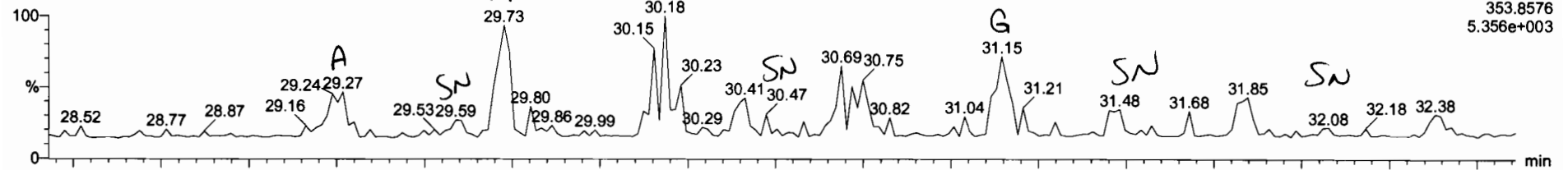
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Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

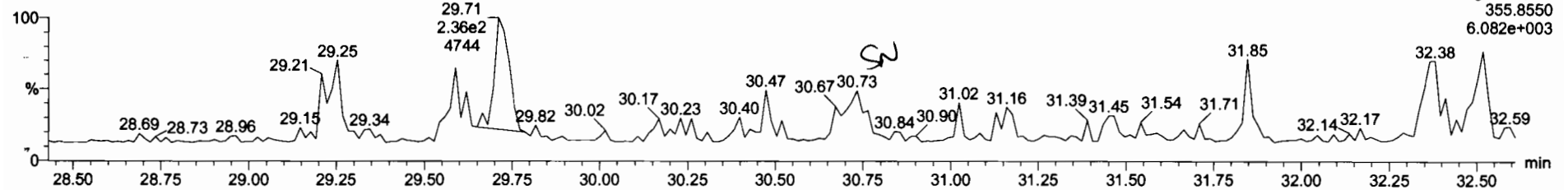
1,2,3,7,8-PeCDD

200605R2_9



F2:Voltage SIR,EI+
353.8576
5.356e+003

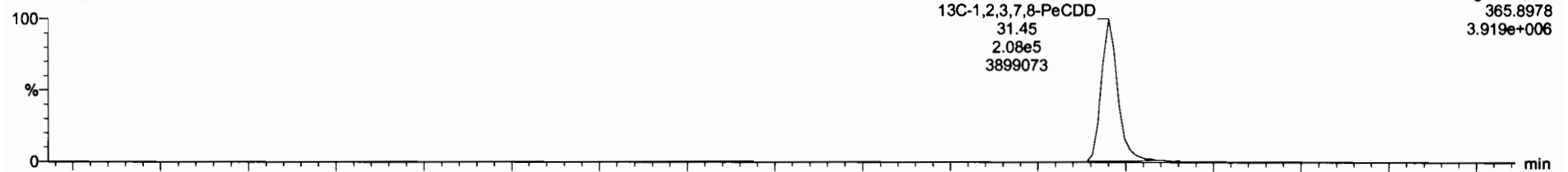
200605R2_9



F2:Voltage SIR,EI+
355.8550
6.082e+003

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

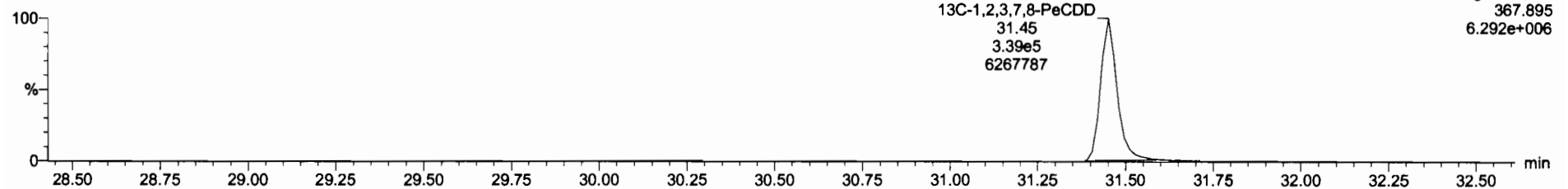
200605R2_9



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2.08e5
3899073

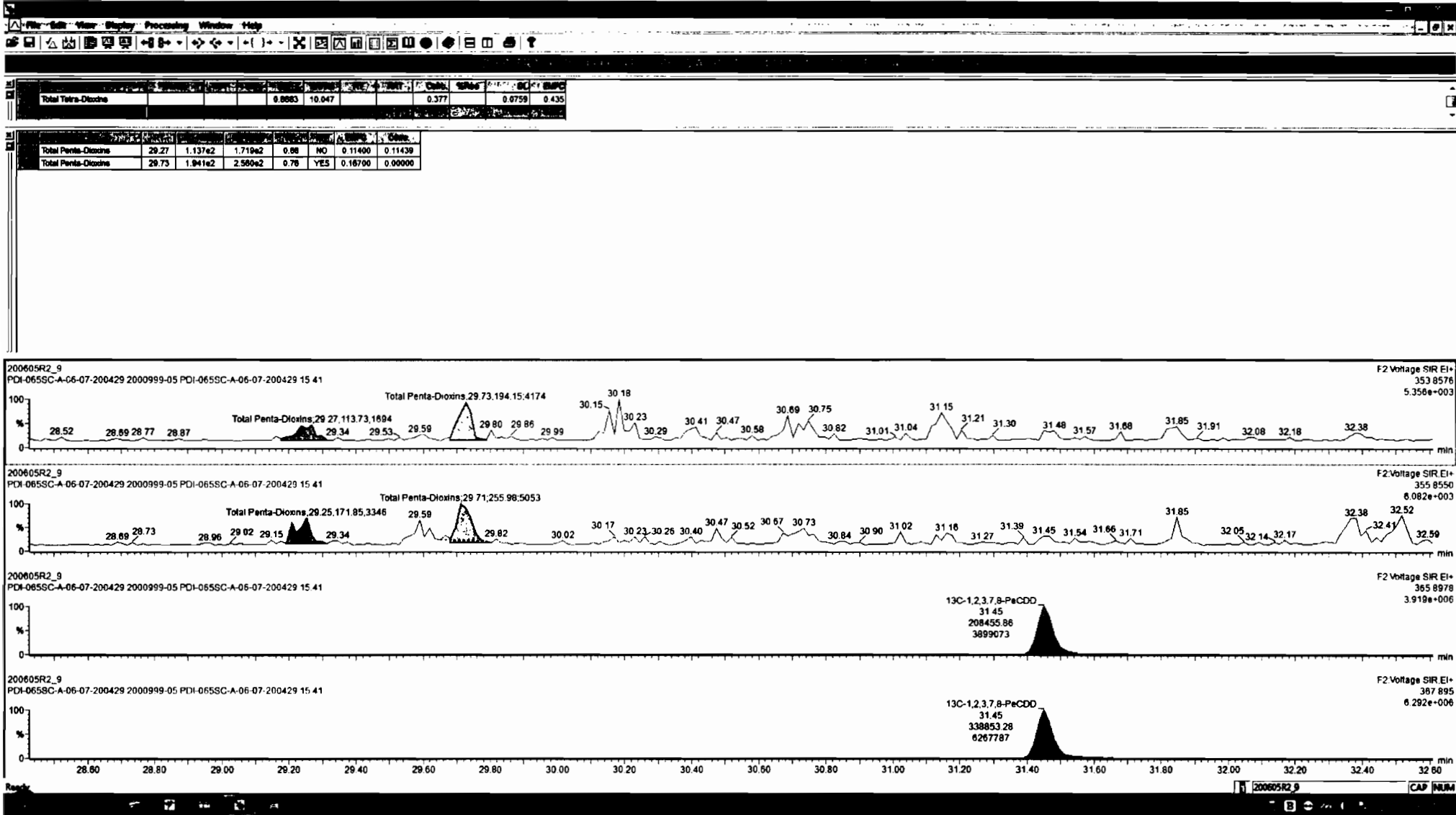
F2:Voltage SIR,EI+
365.8978
3.919e+006

200605R2_9



13C-1,2,3,7,8-PeCDD
31.45
3.39e5
6267787

F2:Voltage SIR,EI+
367.895
6.292e+006



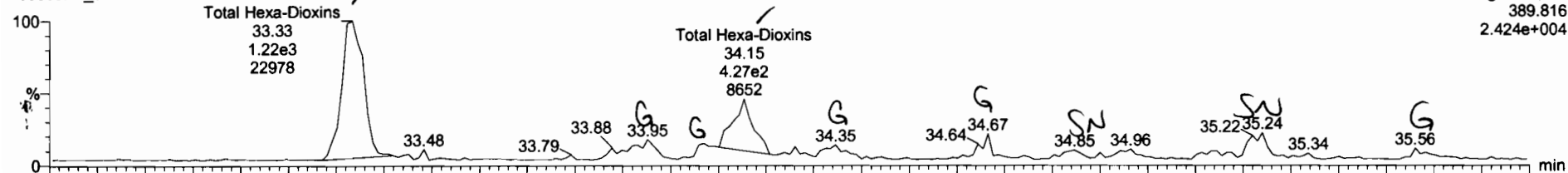
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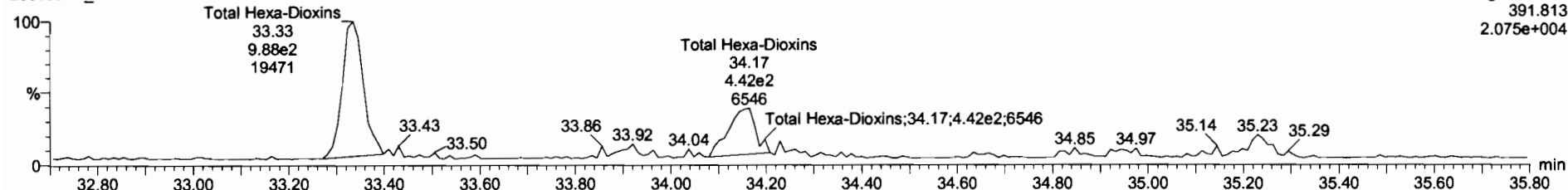
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1,2,3,4,7,8-HxCDD

200605R2_9

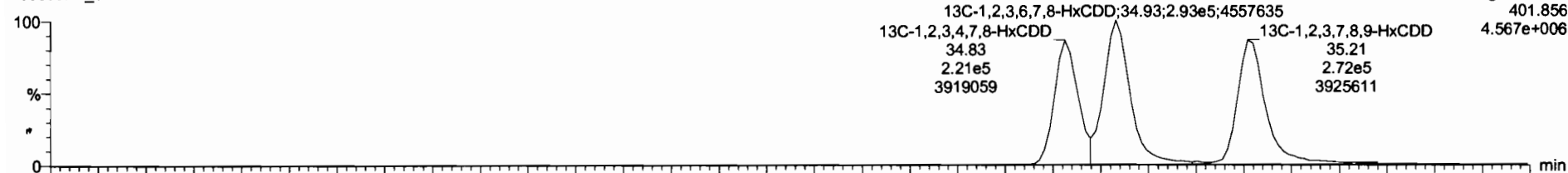


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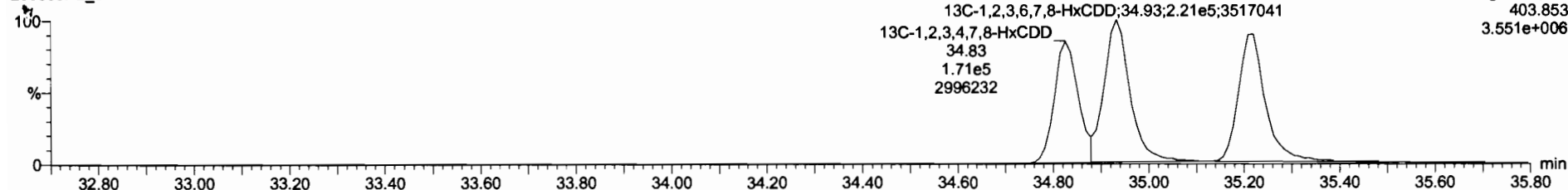


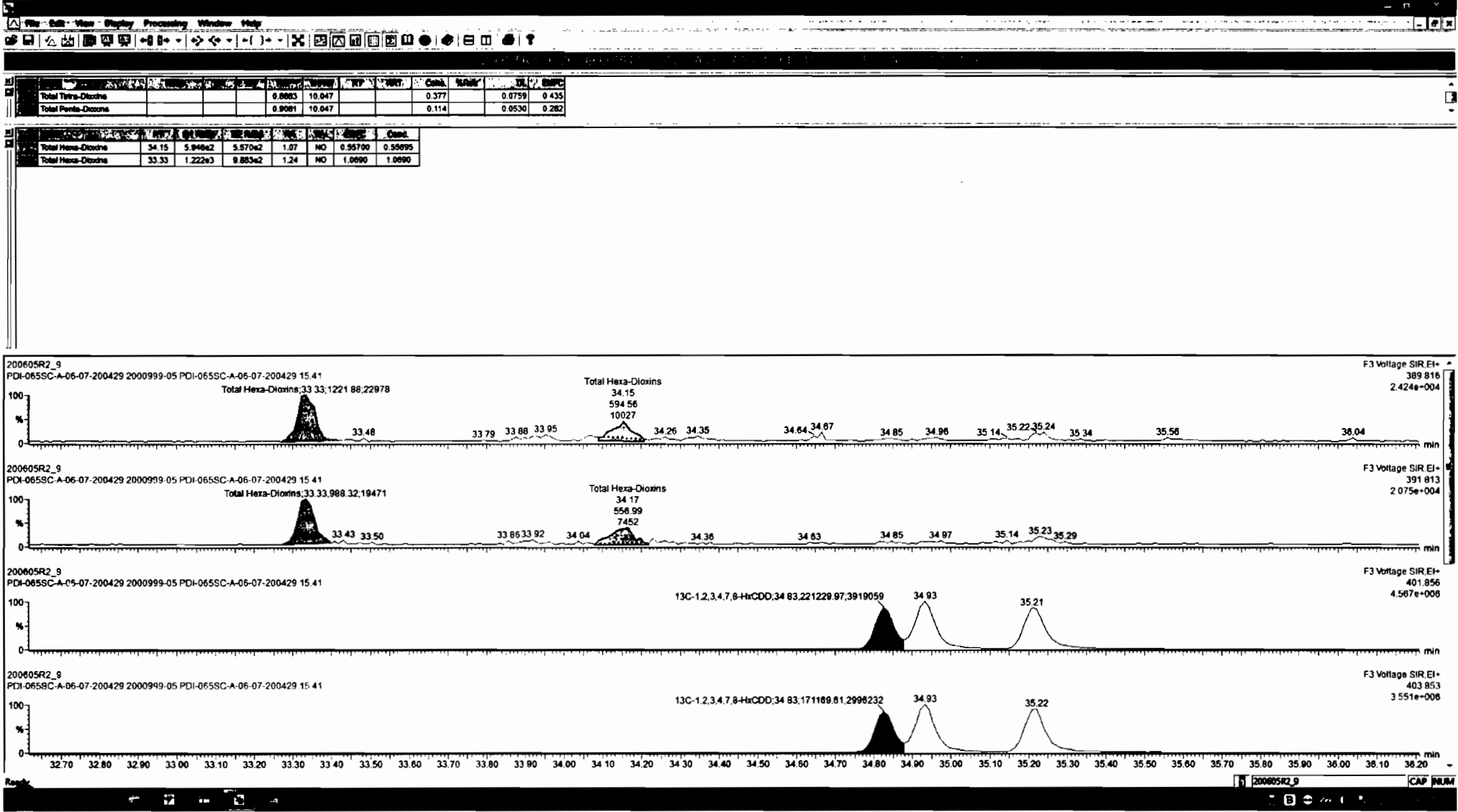
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200605R2_9



200605R2_9





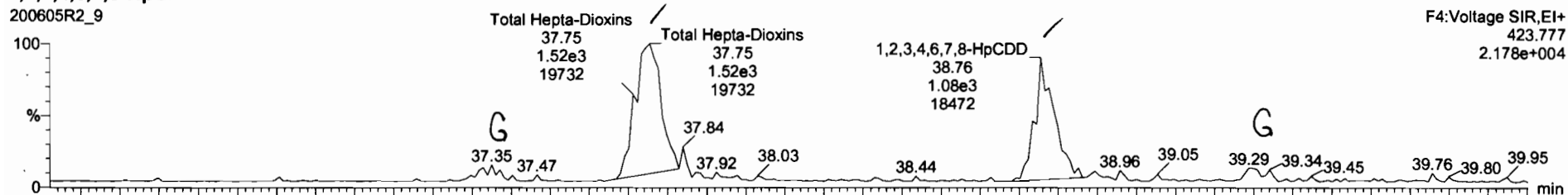
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

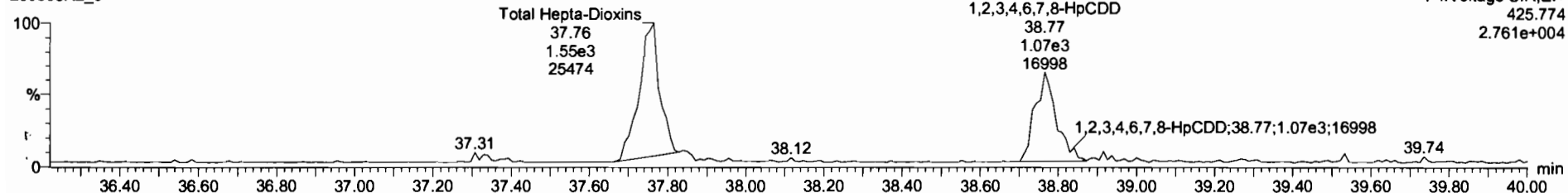
1,2,3,4,6,7,8-HpCDD

200605R2_9



F4:Voltage SIR,EI+
423.777
2.178e+004

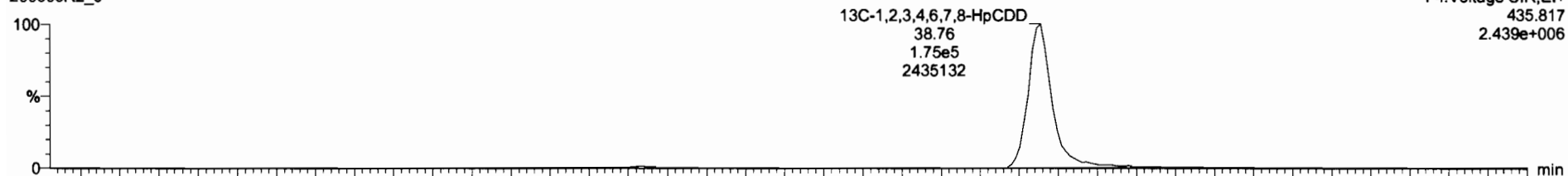
200605R2_9



F4:Voltage SIR,EI+
425.774
2.761e+004

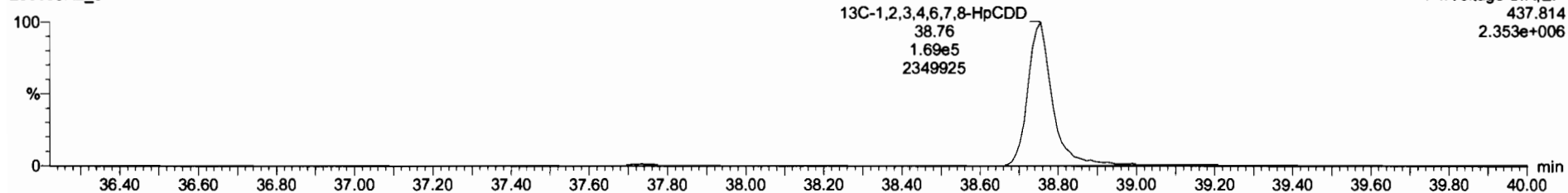
13C-1,2,3,4,6,7,8-HpCDD

200605R2_9

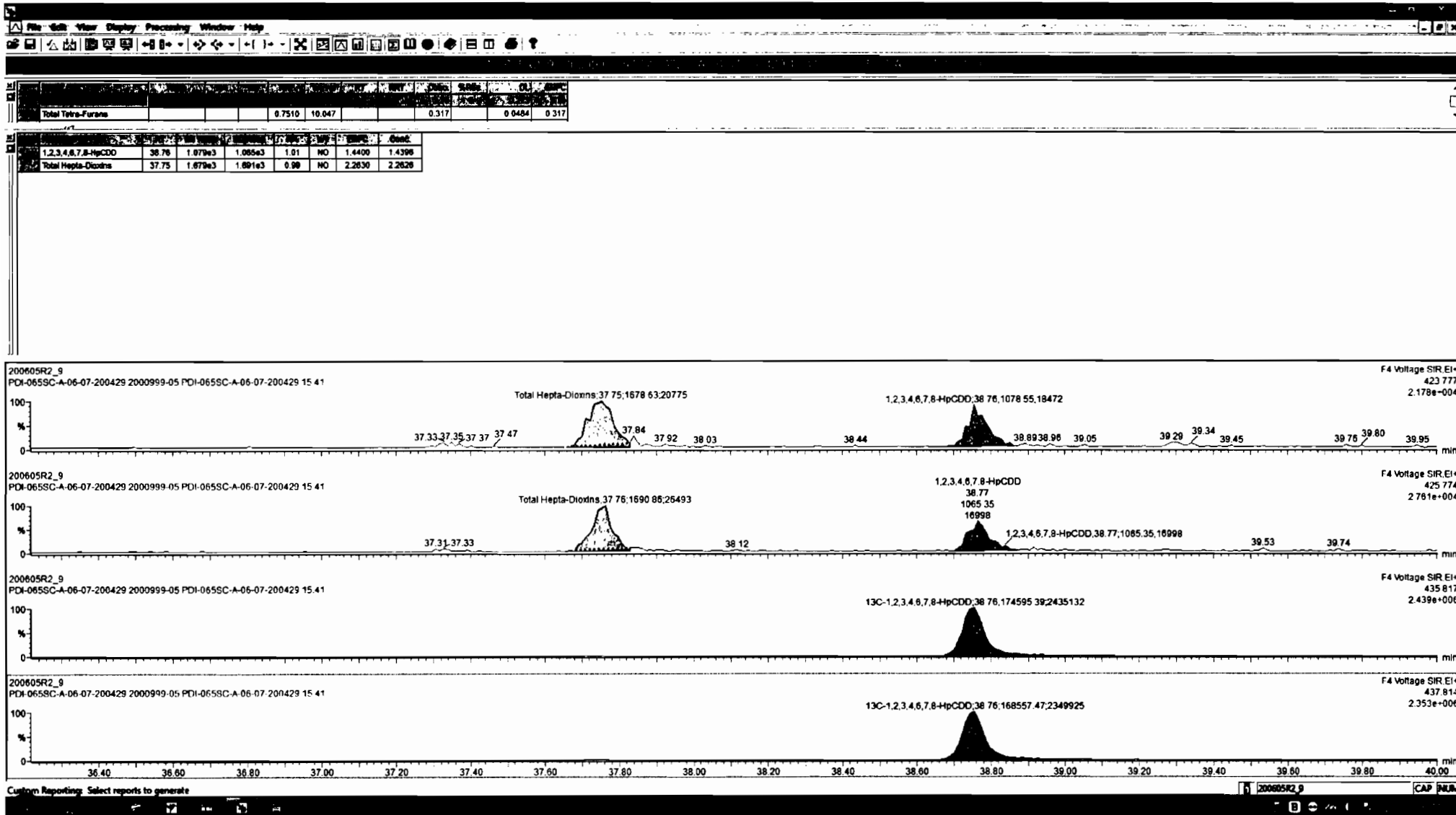


F4:Voltage SIR,EI+
435.817
2.439e+006

200605R2_9



F4:Voltage SIR,EI+
437.814
2.353e+006

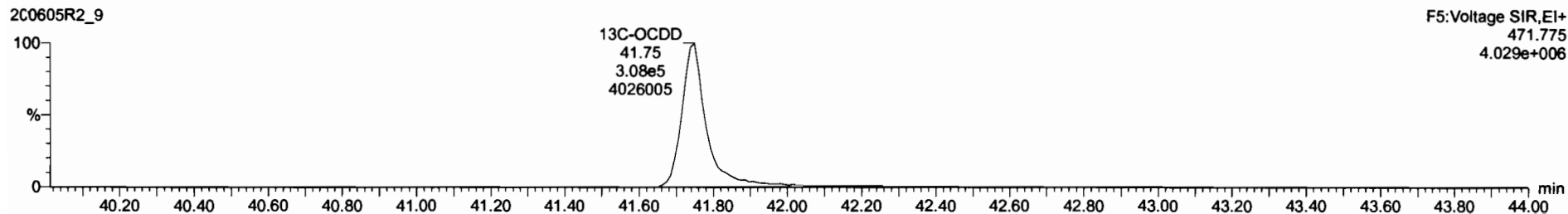
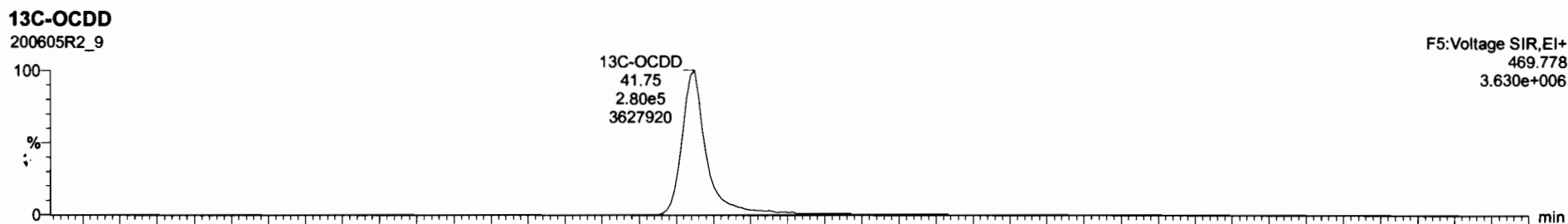
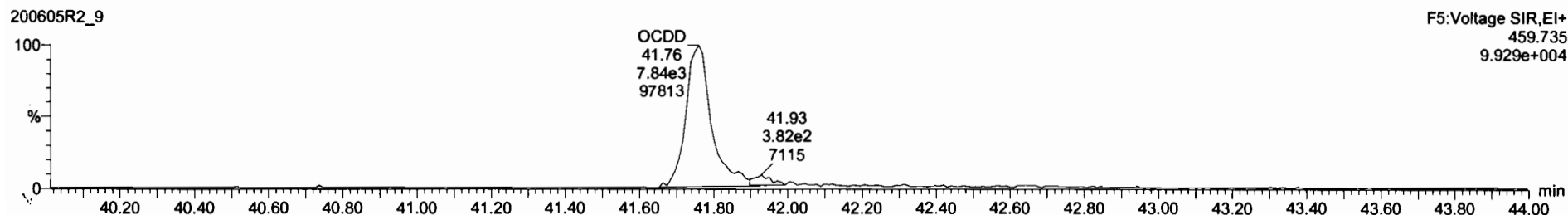
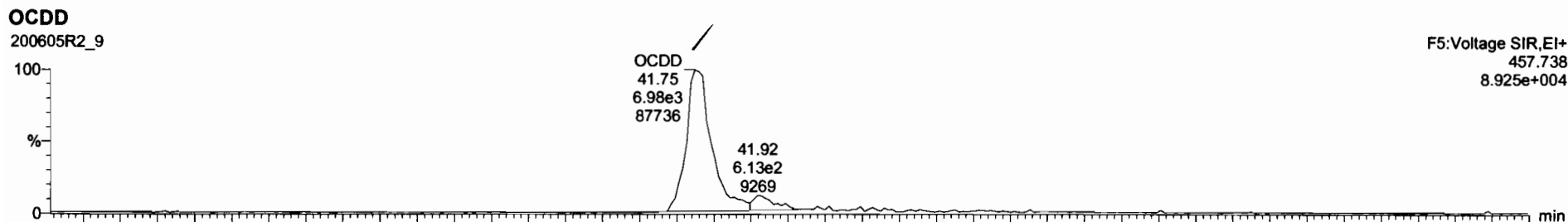


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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429



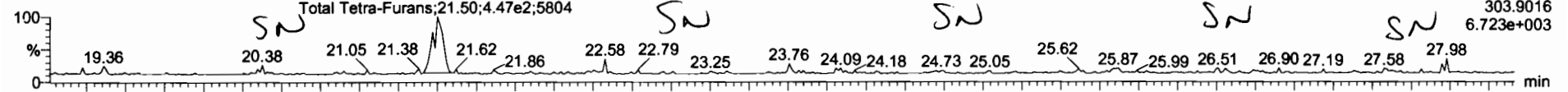
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

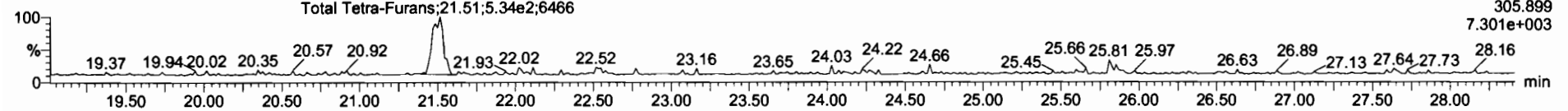
Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

2,3,7,8-TCDF

200605R2_9

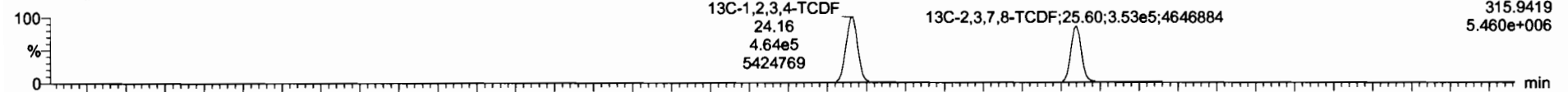


200605R2_9

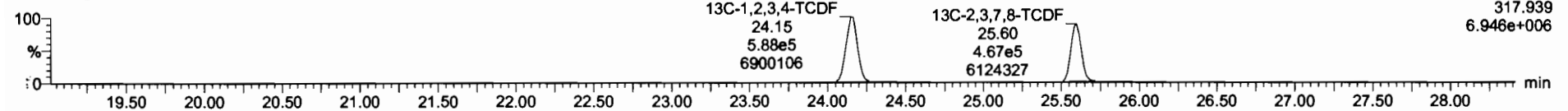


13C-2,3,7,8-TCDF

200605R2_9

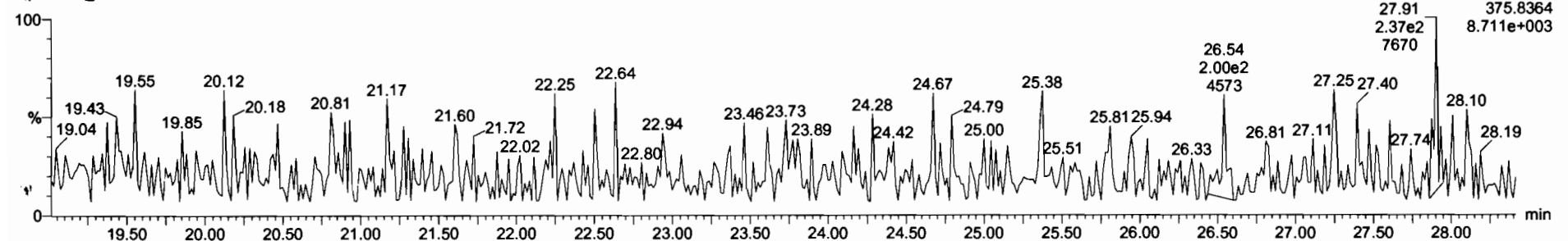


200605R2_9



DPE1

200605R2_9



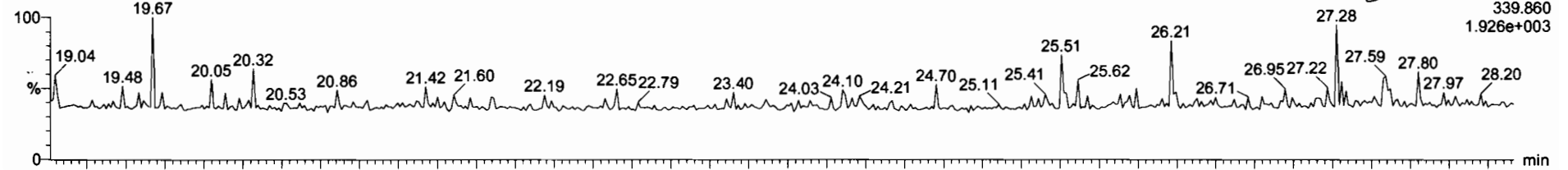
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

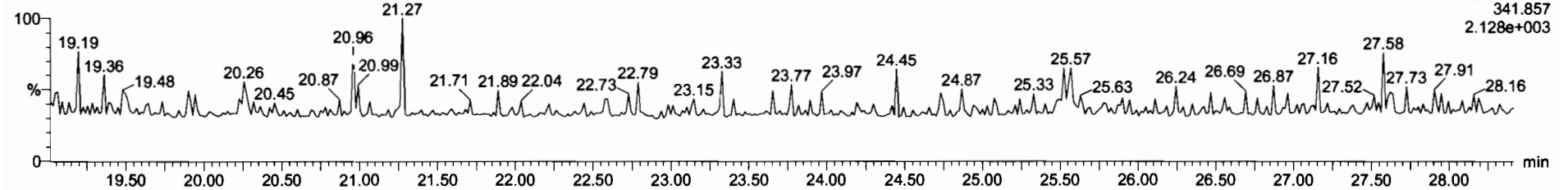
Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

1st Func. Penta-Furans

200605R2_9

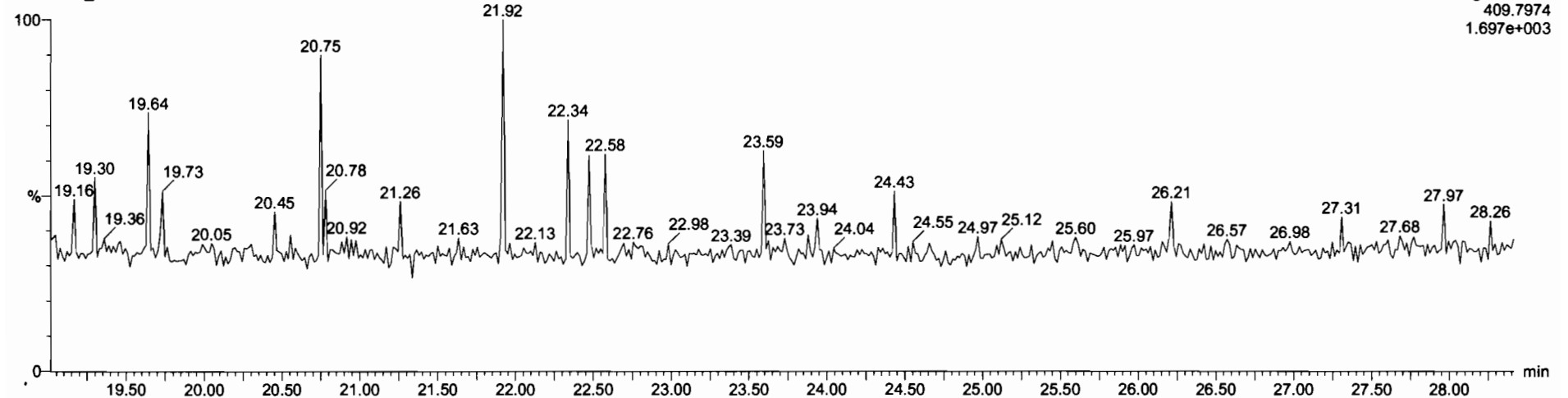


200605R2_9



DPE6

200605R2_9

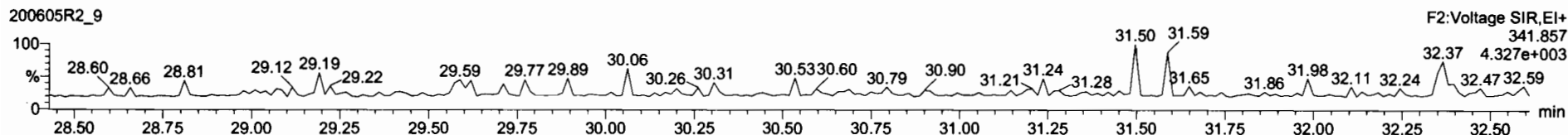
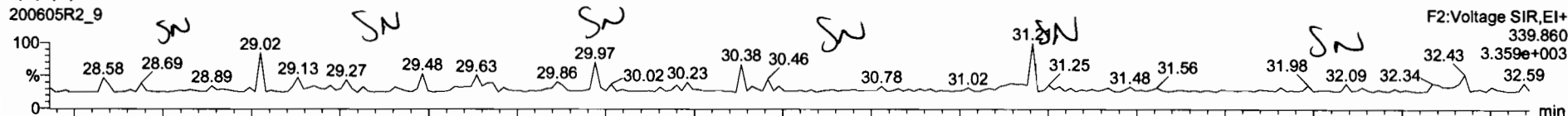


Dataset: Untitled

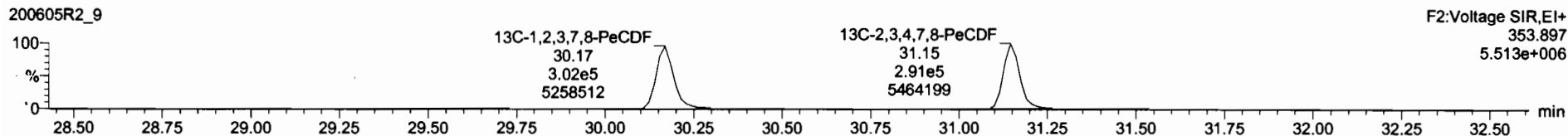
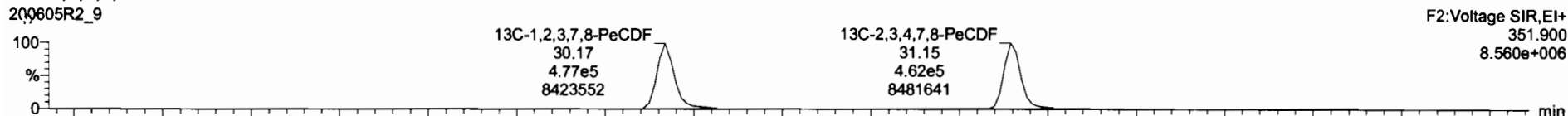
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

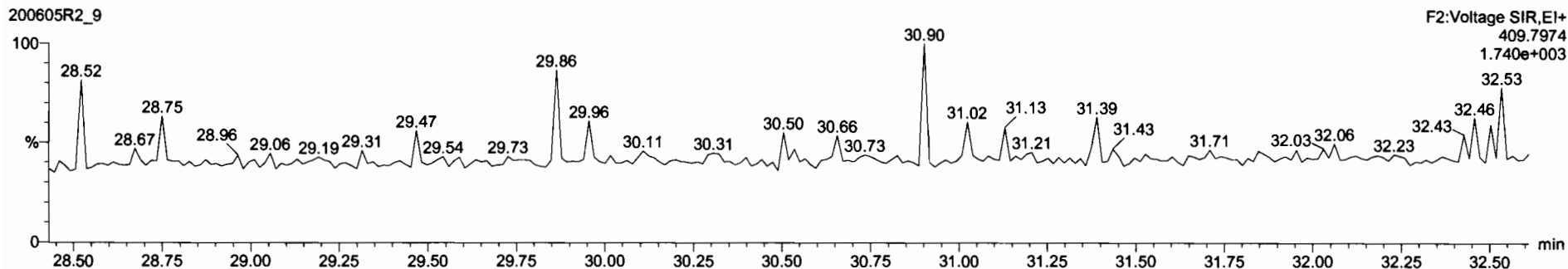
1,2,3,7,8-PeCDF



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



DPE2

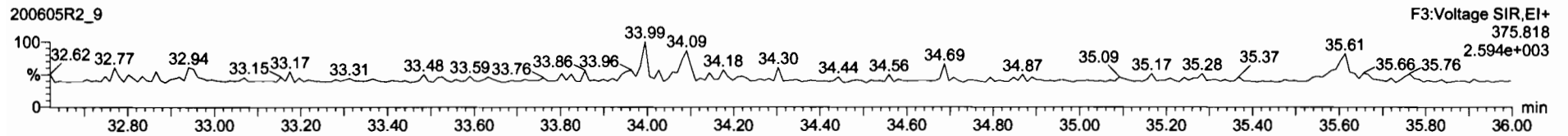
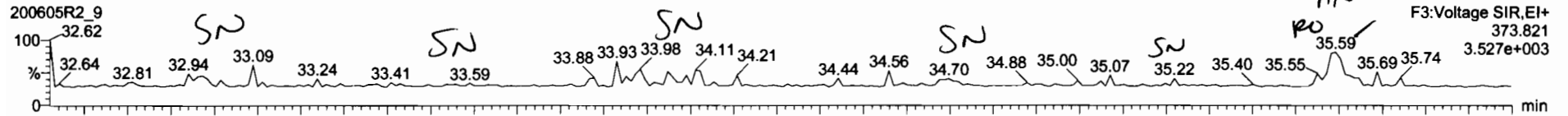


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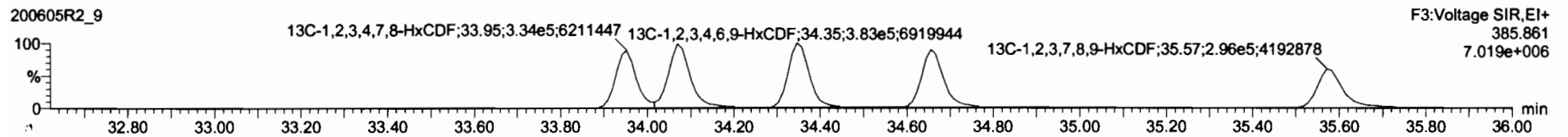
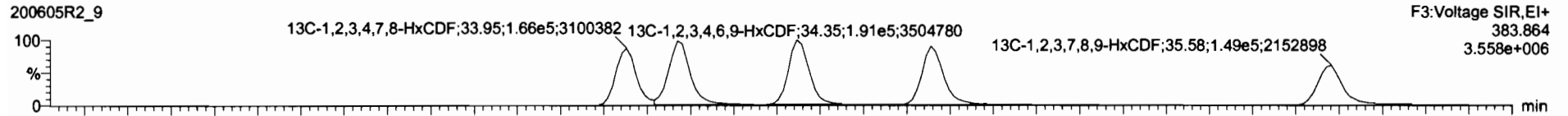
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

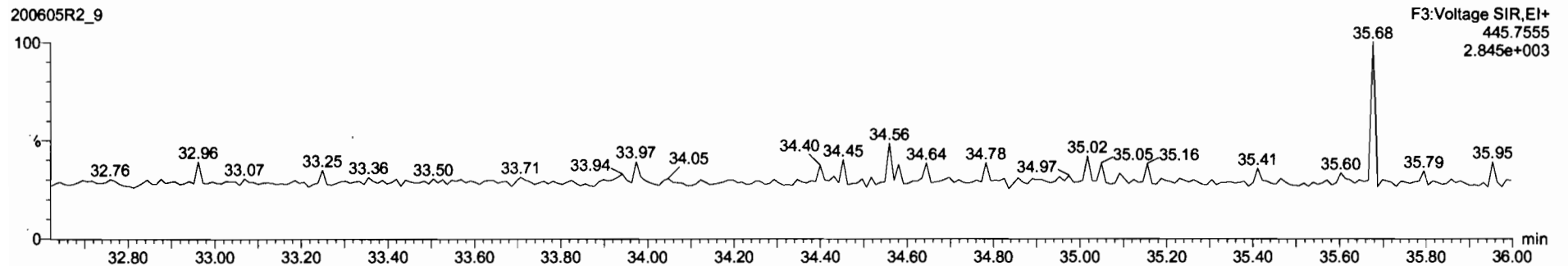
1,2,3,4,7,8-HxCDF



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

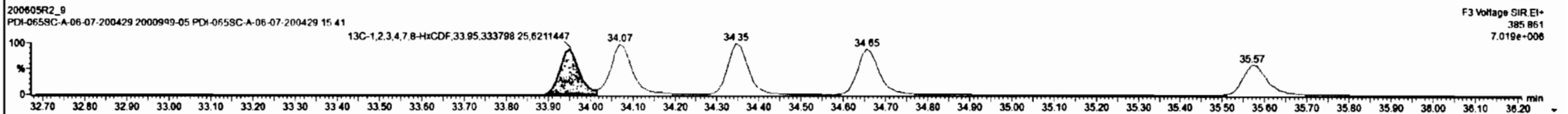
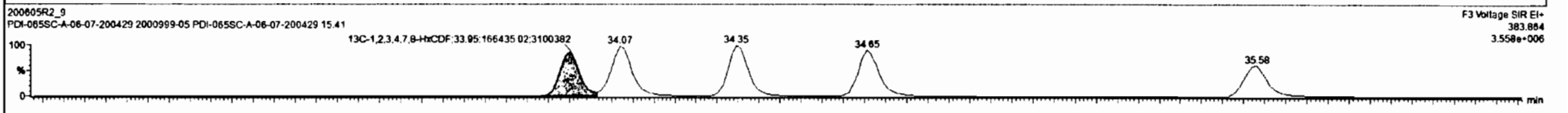
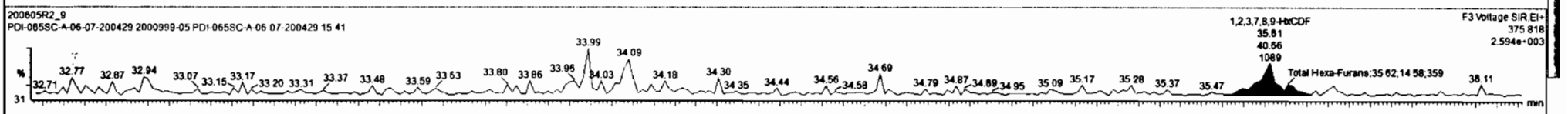
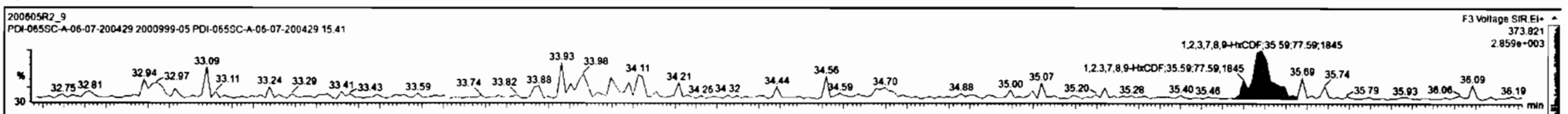


DPE3



PCMS	%Sub	DL	IMP
Total Penta-Furans	0.8923	10.047	0.0201

Total Hexa-Furans	35.81	2.009e1	1.450e1	1.38	NO	0.014000	0.014078
1,2,3,7,8,9-HxCDF	35.58	7.756e1	4.086e1	1.91	YES	0.047000	0.000000



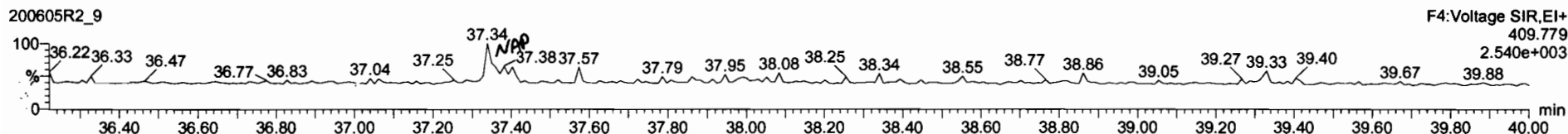
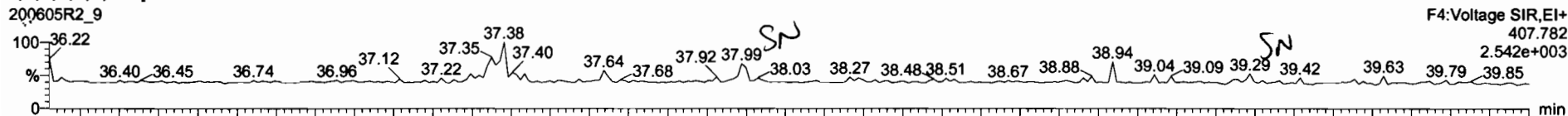
200605R2_9 CAP FILEM

Dataset: Untitled

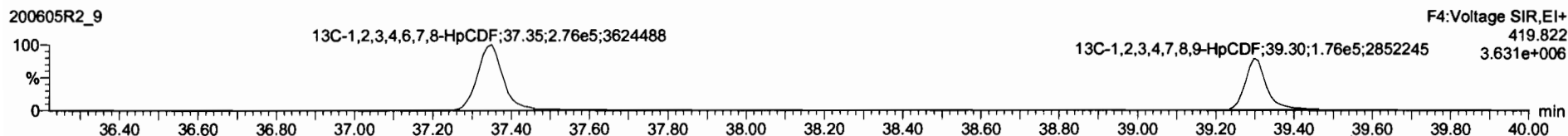
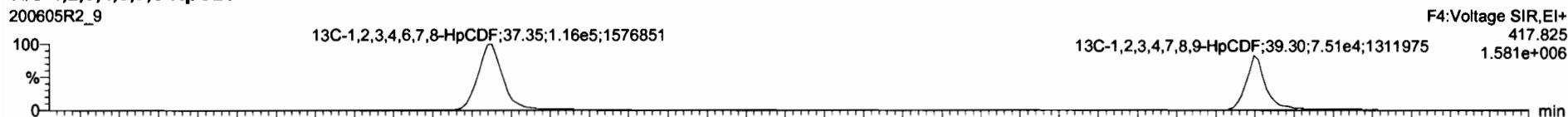
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

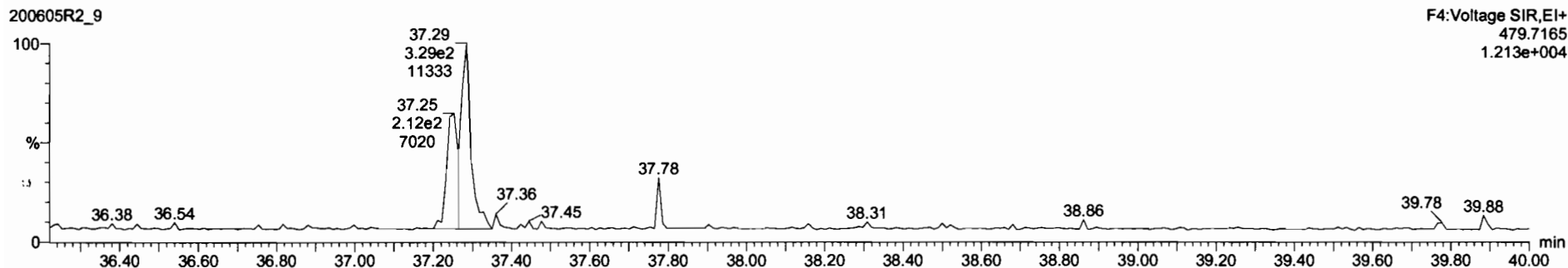
1,2,3,4,6,7,8-HpCDF



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



DPE4

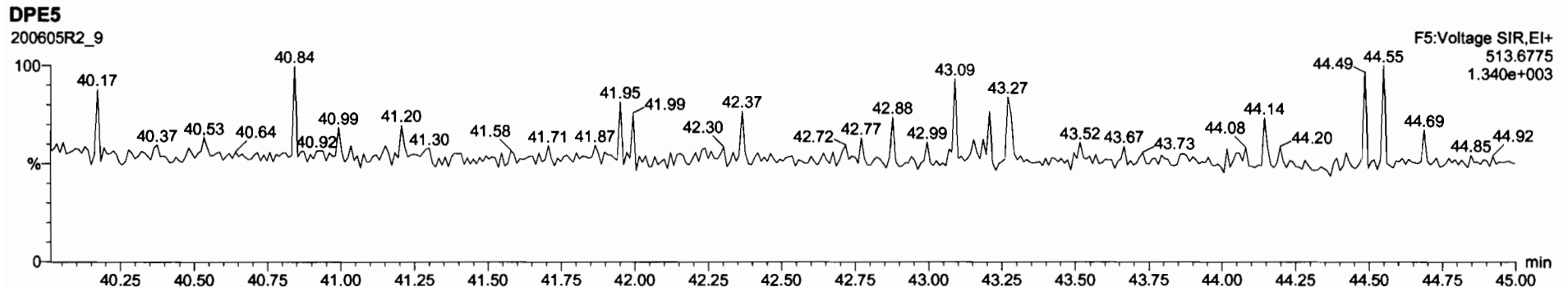
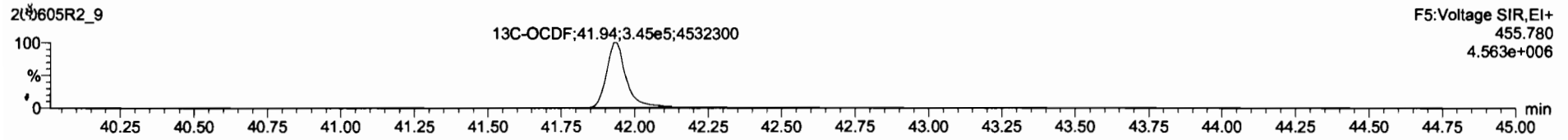
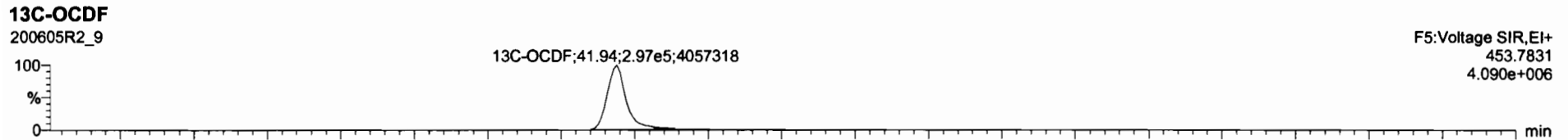
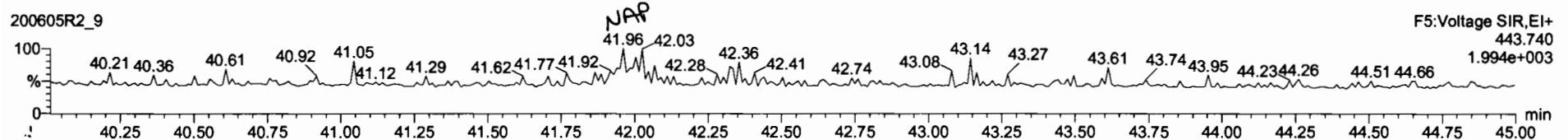
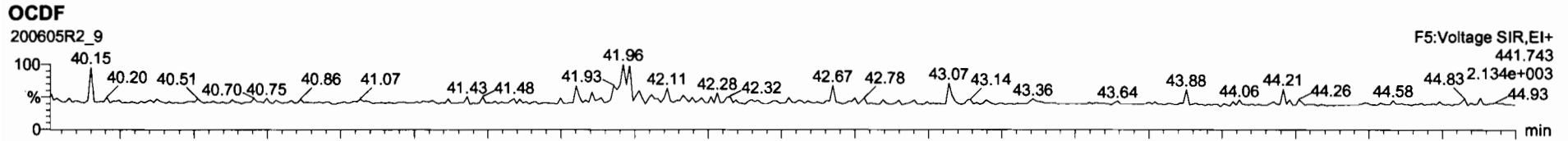


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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429



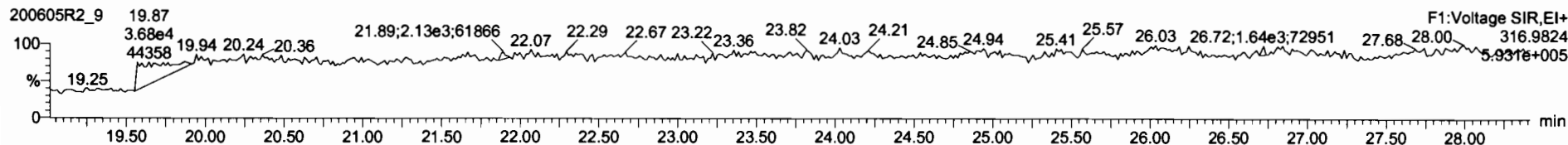
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

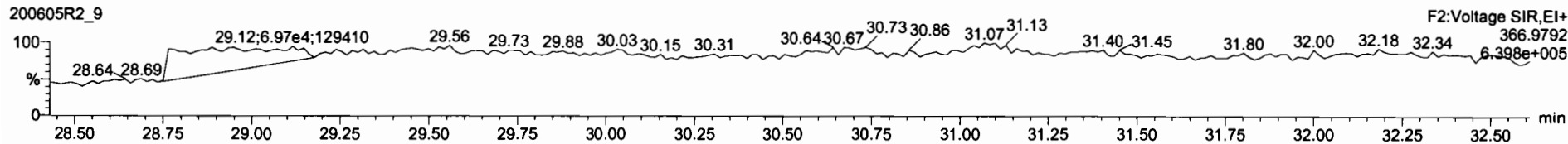
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_9, Date: 06-Jun-2020, Time: 04:32:27, ID: 2000999-05 PDI-065SC-A-06-07-200429 15.41, Description: PDI-065SC-A-06-07-200429

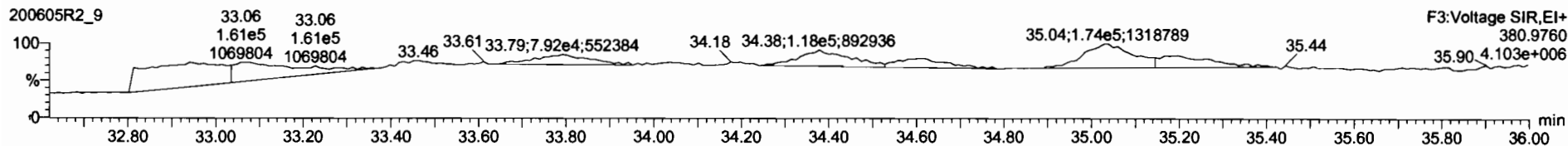
PFK1



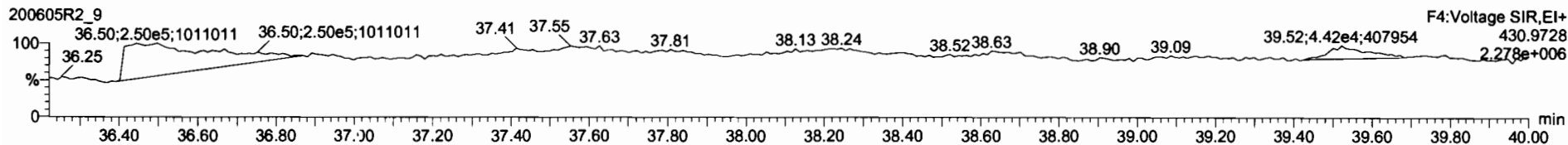
PFK2



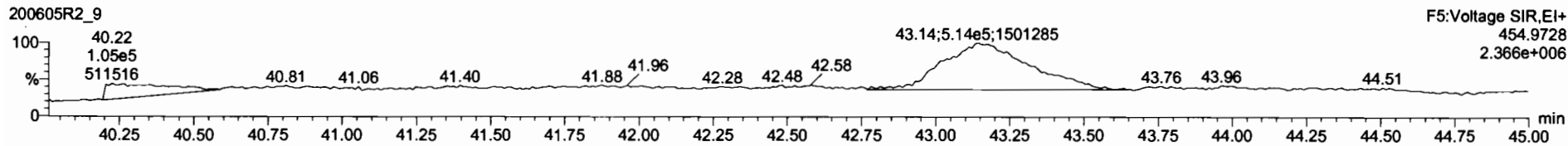
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-10.qld

Last Altered: Monday, June 08, 2020 14:48:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 14:48:51 Pacific Daylight Time

GRB 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: 200605R2_10, Date: 06-Jun-2020, Time: 05:18:41, ID: 2000999-06 PDI-065SC-A-07-08-200429 14.64, Description: PDI-065SC-A-07-08-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL
1	2,3,7,8-TCDD			NO	0.888	10.091	26.531		1.001				0.0512
2	1,2,3,7,8-PeCDD			NO	0.908	10.091	31.473		1.001				0.0712
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.091	34.846		1.000				0.0804
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.091	34.943		1.000				0.0847
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.091	35.231		1.000				0.0888
6	1,2,3,4,6,7,8-HpCDD	8.91e2	1.19	NO	0.864	10.091	38.768	38.78	1.000	1.001	0.53345		0.238 0.533
7	OCDD	6.05e3	0.91	NO	0.914	10.091	41.748	41.77	1.000	1.001	4.0913		0.188 4.09
8	2,3,7,8-TCDF			NO	0.751	10.091	25.627		1.001				0.0475
9	1,2,3,7,8-PeCDF			NO	0.893	10.091	30.190		1.001				0.0302
10	2,3,4,7,8-PeCDF			NO	0.935	10.091	31.176		1.001				0.0287
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.091	33.952		1.000				0.0362
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.091	34.090		1.000				0.0337
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.091	34.701		1.001				0.0356
14	1,2,3,7,8,9-HxCDF	9.34e1	0.94	YES	0.871	10.091	35.582	35.58	1.000	1.000	0.042079		0.0298 0.0369
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.091	37.387		1.001				0.0295
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.091	39.299		1.000				0.0320
17	OCDF	1.36e2	0.53	YES	0.806	10.091	41.940	41.95	1.000	1.000	0.093527		0.0726 0.0691
18	13C-2,3,7,8-TCDD	9.02e5	0.78	NO	1.16	10.091	26.522	26.50	1.026	1.026	181.50	91.6	0.193
19	13C-1,2,3,7,8-PeCDD	6.82e5	0.62	NO	0.849	10.091	31.711	31.45	1.227	1.217	186.89	94.3	0.318
20	13C-1,2,3,4,7,8-HxCDD	4.61e5	1.28	NO	0.779	10.091	34.841	34.84	1.014	1.014	180.78	91.2	0.568
21	13C-1,2,3,6,7,8-HxCDD	5.98e5	1.27	NO	1.02	10.091	34.955	34.94	1.017	1.017	179.62	90.6	0.435
22	13C-1,2,3,7,8,9-HxCDD	5.26e5	1.22	NO	0.903	10.091	35.226	35.22	1.025	1.025	177.82	89.7	0.490
23	13C-1,2,3,4,6,7,8-HpCDD	3.83e5	0.98	NO	0.689	10.091	38.751	38.76	1.128	1.128	169.78	85.7	0.478
24	13C-OCDD	6.41e5	0.89	NO	0.652	10.091	41.775	41.75	1.216	1.215	300.28	75.8	0.643
25	13C-2,3,7,8-TCDF	1.12e6	0.77	NO	1.06	10.091	25.564	25.60	0.989	0.991	180.36	91.0	0.224
26	13C-1,2,3,7,8-PeCDF	9.82e5	1.59	NO	0.838	10.091	30.093	30.17	1.165	1.168	200.01	101	0.610
27	13C-2,3,4,7,8-PeCDF	9.73e5	1.61	NO	0.817	10.091	31.047	31.15	1.202	1.205	203.34	103	0.626
28	13C-1,2,3,4,7,8-HxCDF	5.92e5	0.51	NO	1.01	10.091	33.972	33.95	0.989	0.988	179.34	90.5	0.746
29	13C-1,2,3,6,7,8-HxCDF	6.89e5	0.51	NO	1.17	10.091	34.096	34.08	0.992	0.992	180.19	90.9	0.644
30	13C-2,3,4,6,7,8-HxCDF	6.21e5	0.50	NO	1.02	10.091	34.670	34.67	1.009	1.009	185.52	93.6	0.735
31	13C-1,2,3,7,8,9-HxCDF	5.05e5	0.51	NO	0.860	10.091	35.570	35.58	1.035	1.036	179.57	90.6	0.874

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-10.qld

Last Altered: Monday, June 08, 2020 14:48:29 Pacific Daylight Time

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Name: 200605R2_10, Date: 06-Jun-2020, Time: 05:18:41, ID: 2000999-06 PDI-065SC-A-07-08-200429 14.64, Description: PDI-065SC-A-07-08-200429

#	Name	Resp	RA	n/y	RRF	W/Vol	Pred.RT	RT	Med.RRT	RT	Area	Area	Area
32	13C-1,2,3,4,6,7,8-HpCDF	4.33e5	0.43	NO	0.774	10.091	37.319	37.35	1.086	1.087	170.78	86.2	0.515
33	13C-1,2,3,4,7,8,9-HpCDF	3.06e5	0.42	NO	0.521	10.091	39.349	39.30	1.145	1.144	179.31	90.5	0.766
34	13C-OCDF	7.15e5	0.88	NO	0.746	10.091	41.946	41.94	1.221	1.221	292.81	73.9	0.746
35	37Cl-2,3,7,8-TCDD	3.38e5			1.04	10.091	26.553	26.51	1.028	1.026	75.790	95.6	0.0603
36	13C-1,2,3,4-TCDD	8.52e5	0.78	NO	1.00	10.091	25.890	25.84	1.000	1.000	198.19	100	0.223
37	13C-1,2,3,4-TCDF	1.16e6	0.78	NO	1.00	10.091	24.360	24.16	1.000	1.000	198.19	100	0.238
38	13C-1,2,3,4,6,9-HxCDF	6.49e5	0.50	NO	1.00	10.091	34.420	34.36	1.000	1.000	198.19	100	0.751
39	Total Tetra-Dioxins				0.888	10.091	24.620		0.000		0.38432		0.0512
40	Total Penta-Dioxins				0.908	10.091	29.960		0.000		0.12152		0.0712
41	Total Hexa-Dioxins				0.892	10.091	33.635		0.000		0.65233		0.0883
42	Total Hepta-Dioxins				0.864	10.091	37.640		0.000		1.3921		0.238
43	Total Tetra-Furans				0.751	10.091	23.610		0.000		0.22567		0.0475
44	1st Func. Penta-Furans				0.893	10.091	27.580		0.000				0.00673
45	Total Penta-Furans				0.893	10.091	29.275		0.000				0.0153
46	Total Hexa-Furans				0.934	10.091	33.555		0.000		0.00000		0.0209
47	Total Hepta-Furans				0.873	10.091	37.835		0.000				0.0132

2

3

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Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.47	1.927e3	1.900e3	1.178e2	1.342e2	0.88	NO	2.520e2	0.062333	0.062333	0.0512
Total Tetra-Dioxins	23.43	1.573e3	2.160e3	1.284e2	1.491e2	0.86	NO	2.775e2	0.068630	0.068630	0.0512
Total Tetra-Dioxins	24.34	5.323e3	7.001e3	4.462e2	5.782e2	0.77	NO	1.024e3	0.25336	0.25336	0.0512

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.24	2.001e3	3.738e3	6.804e1	1.427e2	0.48	YES	0.000e0	0.00000	0.056333	0.0276
Total Penta-Dioxins	29.73	2.495e3	4.833e3	1.436e2	2.361e2	0.61	NO	3.797e2	0.12152	0.12152	0.0712

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.35	1.009e4	8.557e3	5.708e2	4.329e2	1.32	NO	1.004e3	0.42203	0.42203	0.0883
Total Hexa-Dioxins	34.14	5.555e3	3.512e3	2.977e2	2.500e2	1.19	NO	5.477e2	0.23031	0.23031	0.0883

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.74	1.119e4	8.813e3	7.615e2	6.726e2	1.13	NO	1.434e3	0.85868	0.85868	0.238
1,2,3,4,6,7,8-HpCDD	38.78	1.310e4	5.472e3	4.849e2	4.061e2	1.19	NO	8.909e2	0.53345	0.53345	0.238

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	21.50	4.984e3	7.088e3	3.866e2	5.708e2	0.68	NO	9.574e2	0.22567	0.22567	0.0475

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Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nA	Resp	Conc	EMPC	DL
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Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nA	Resp	Conc	EMPC	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nA	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.58	1.276e3	1.867e3	4.535e1	4.809e1	0.94	YES	9.343e1	0.00000	0.036893	0.0298

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nA	Resp	Conc	EMPC	DL
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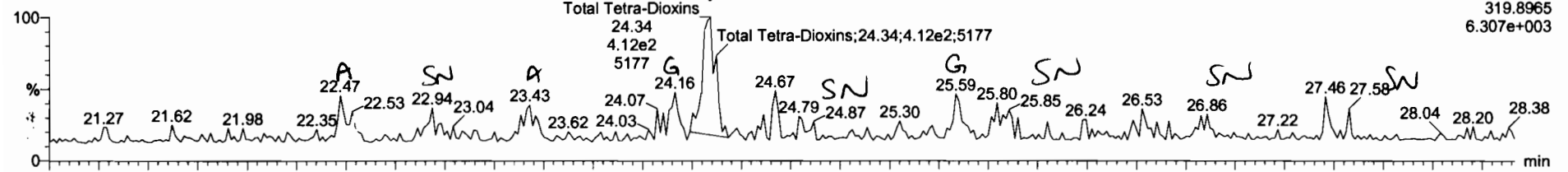
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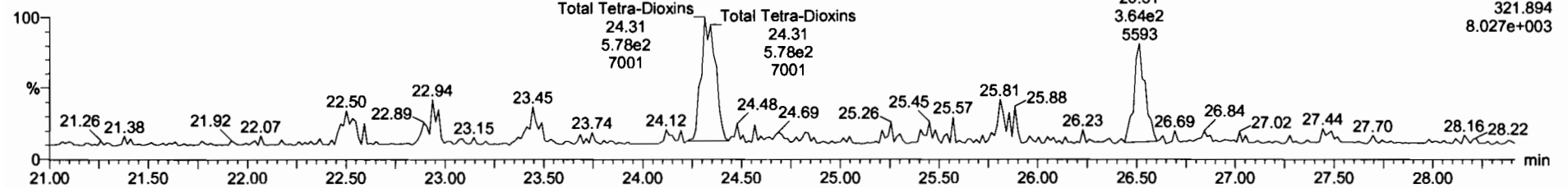
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2,3,7,8-TCDD

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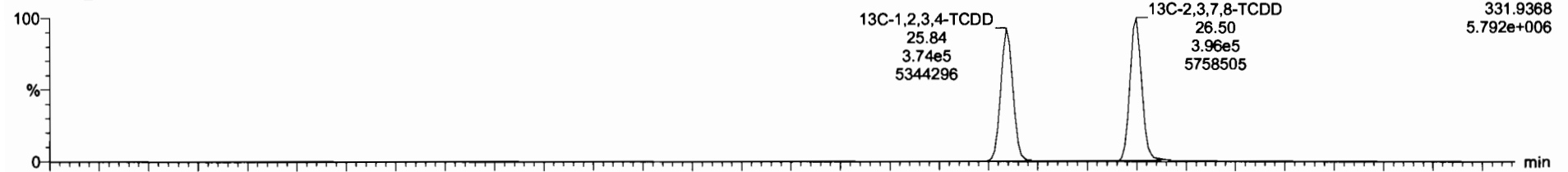


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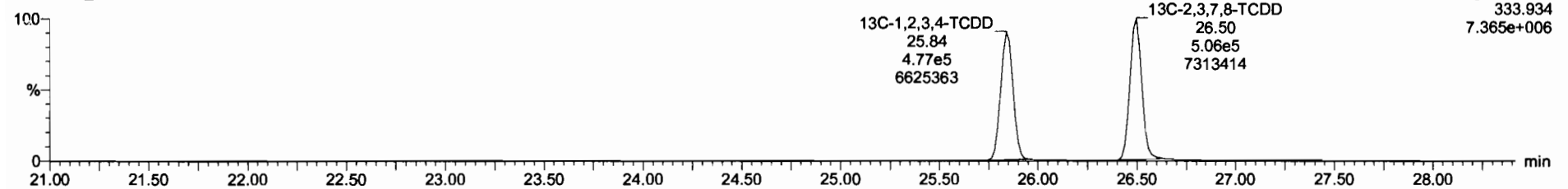


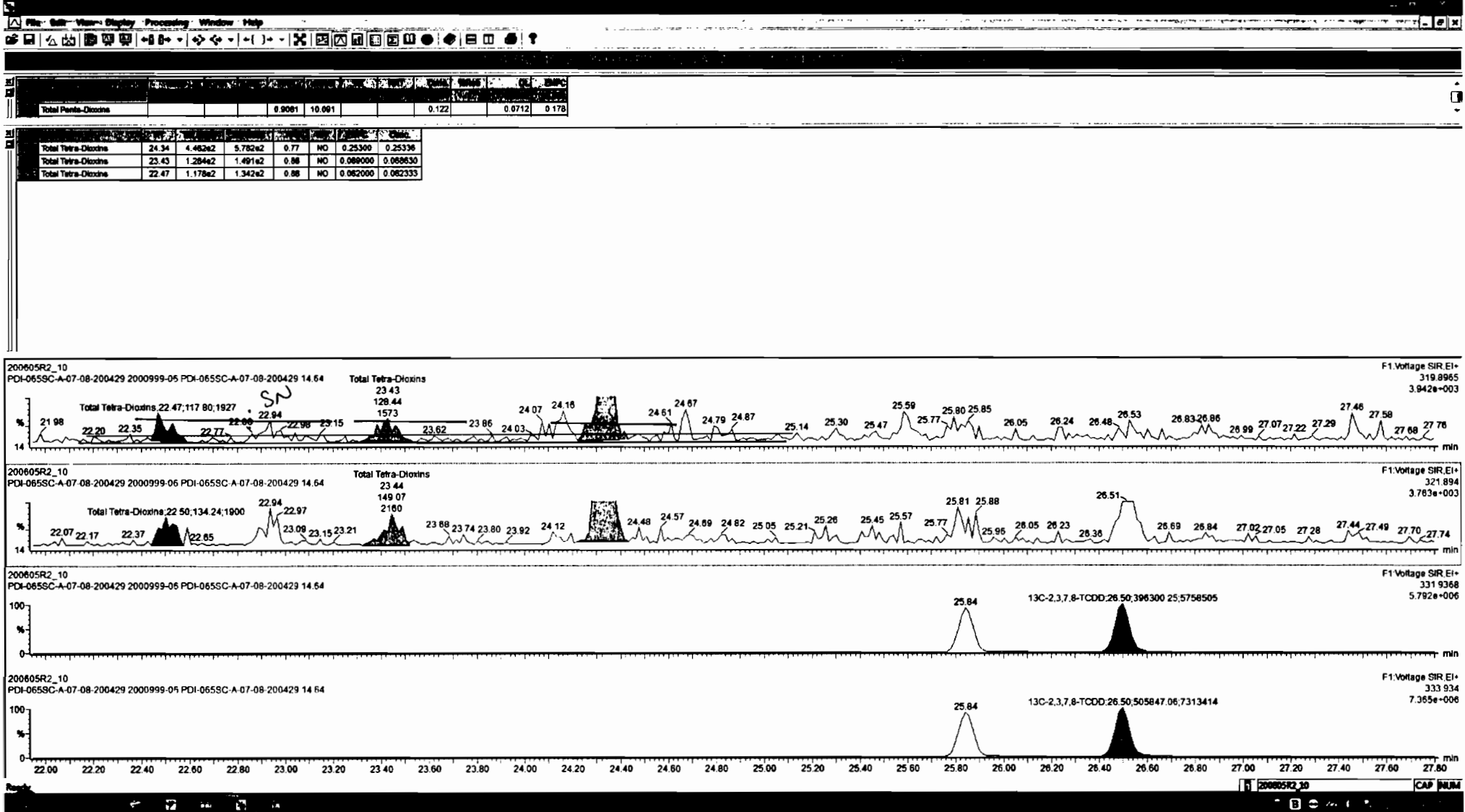
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200605R2_10





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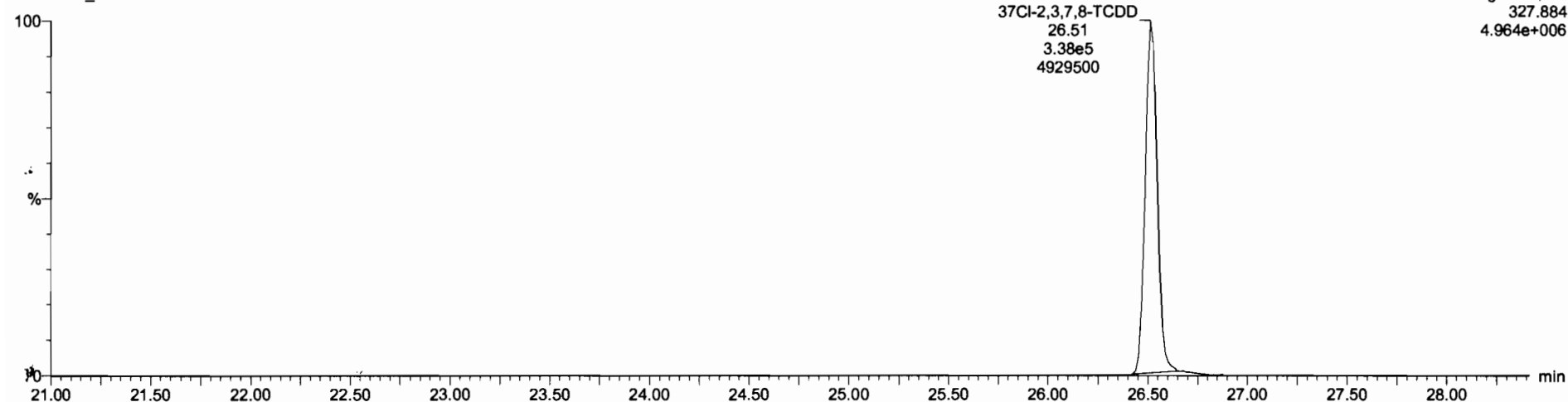
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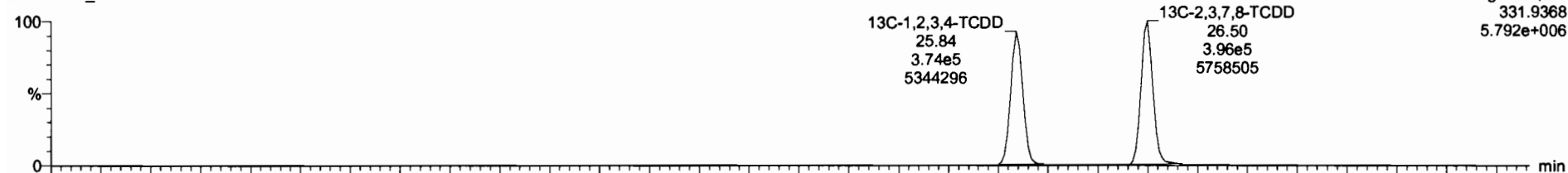
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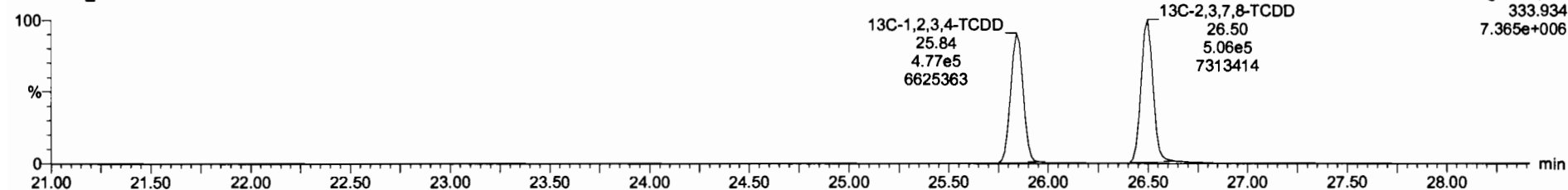


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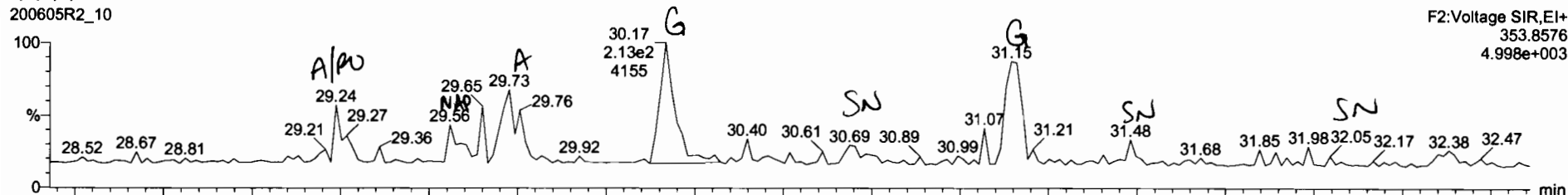
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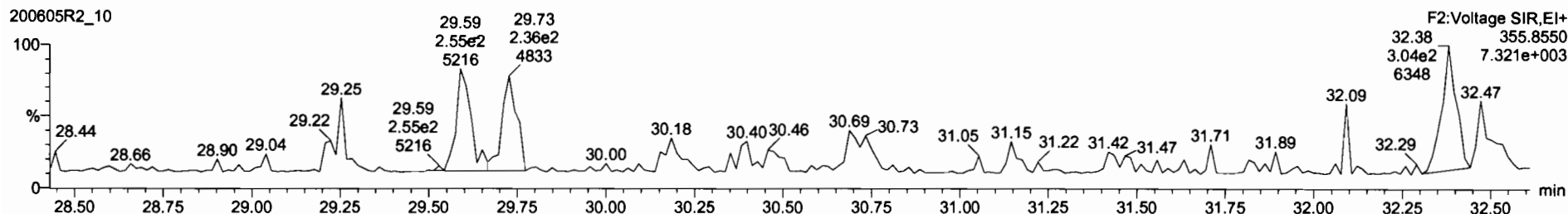
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1,2,3,7,8-PeCDD

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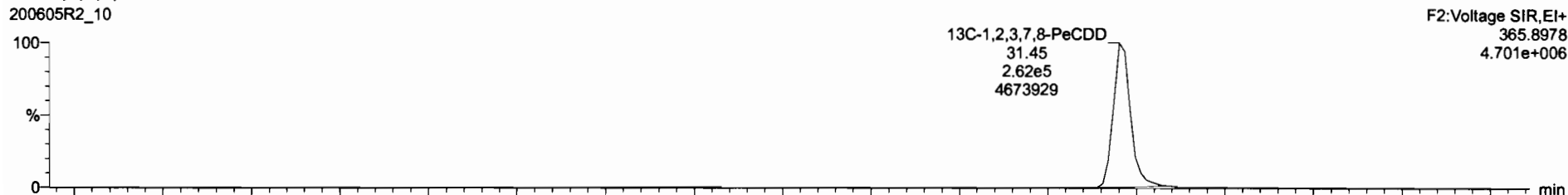


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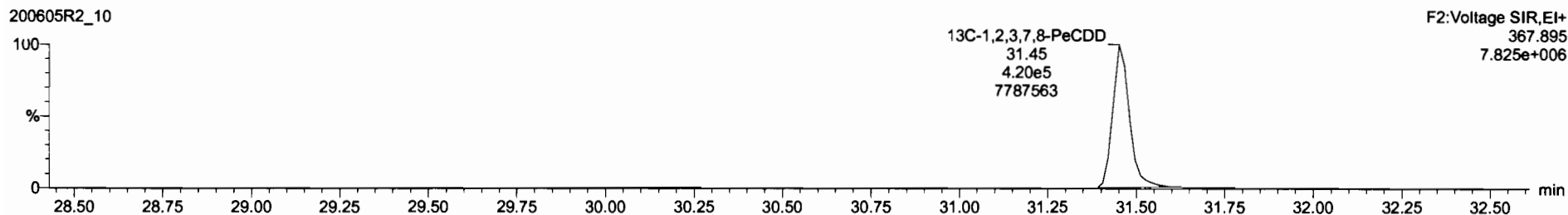


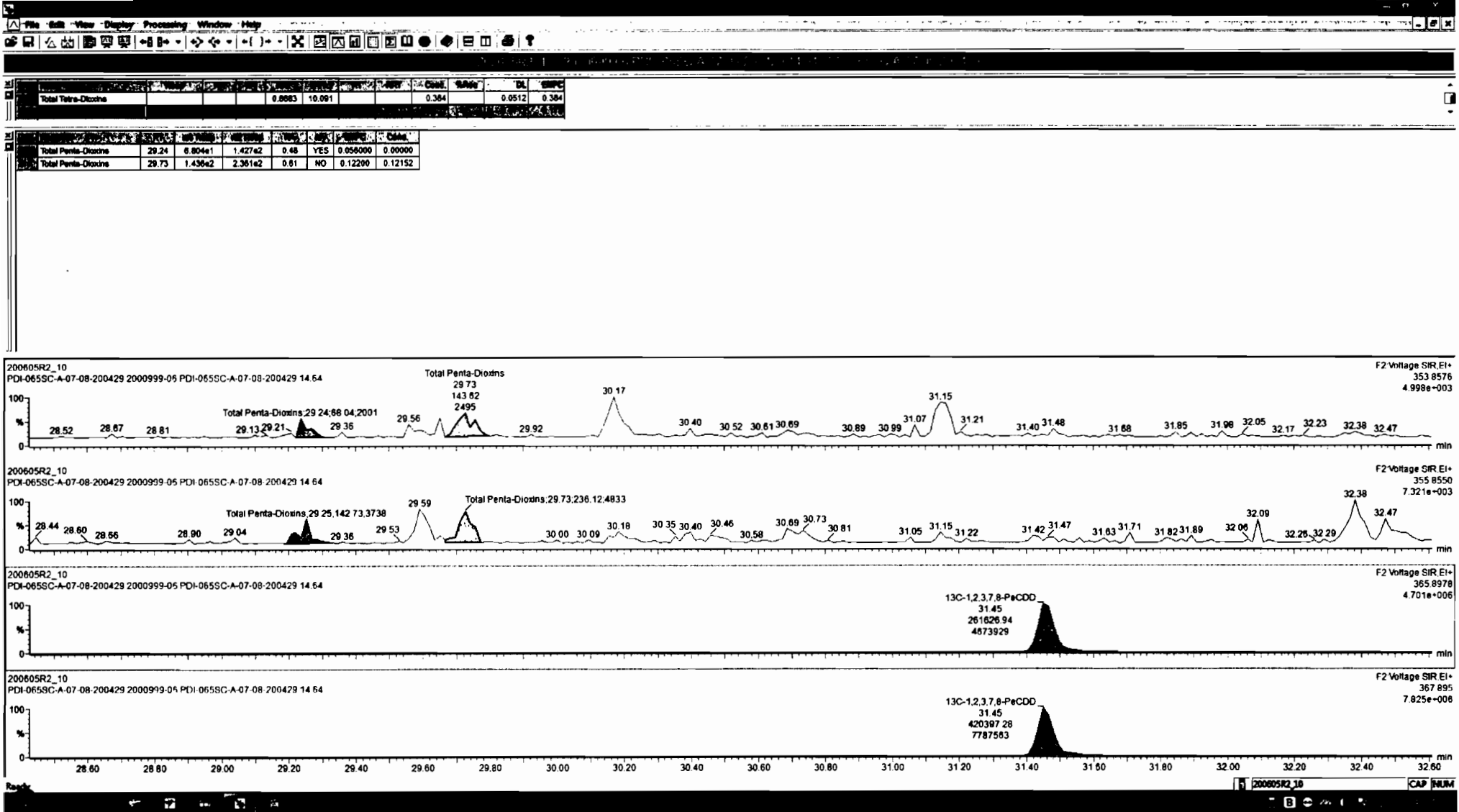
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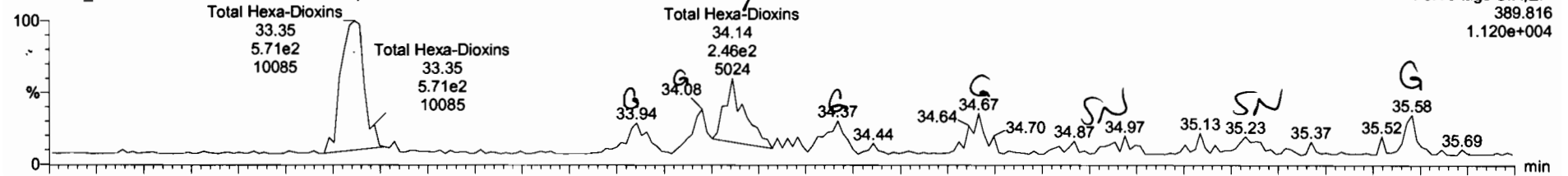
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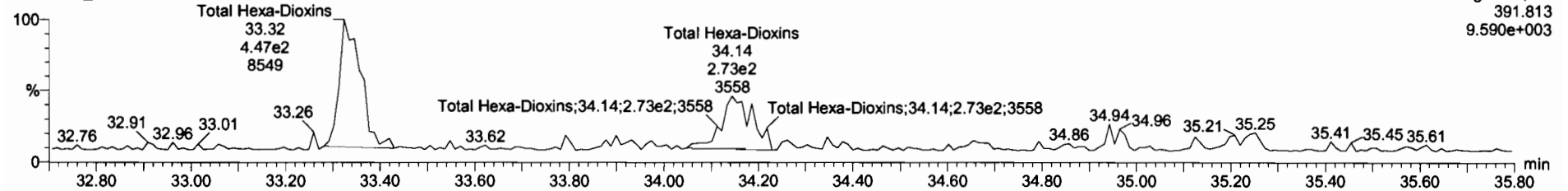
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1,2,3,4,7,8-HxCDD

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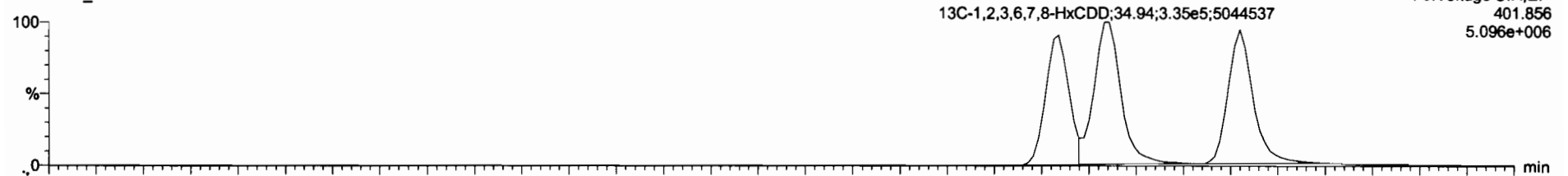


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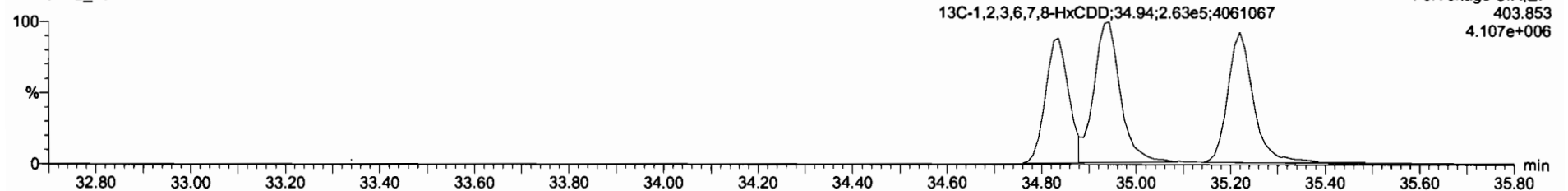


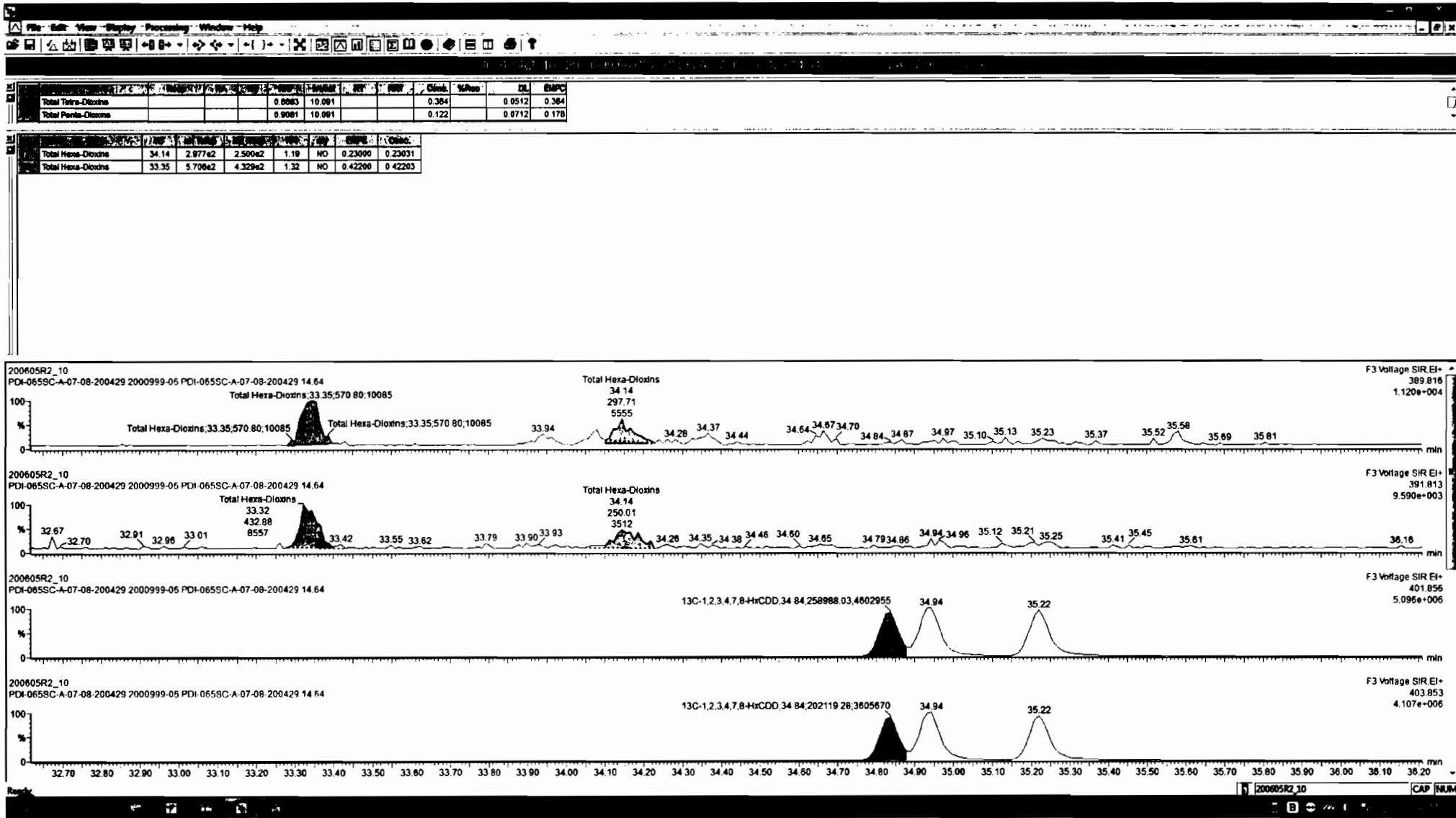
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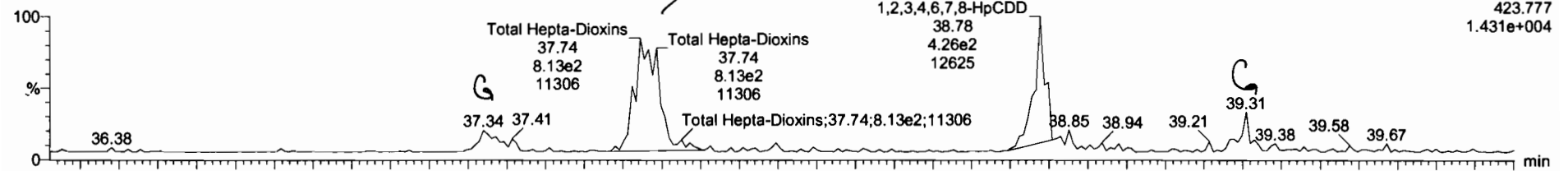
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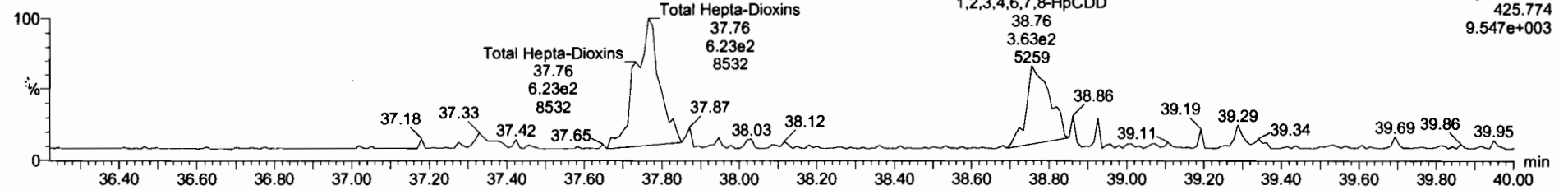
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1,2,3,4,6,7,8-HpCDD

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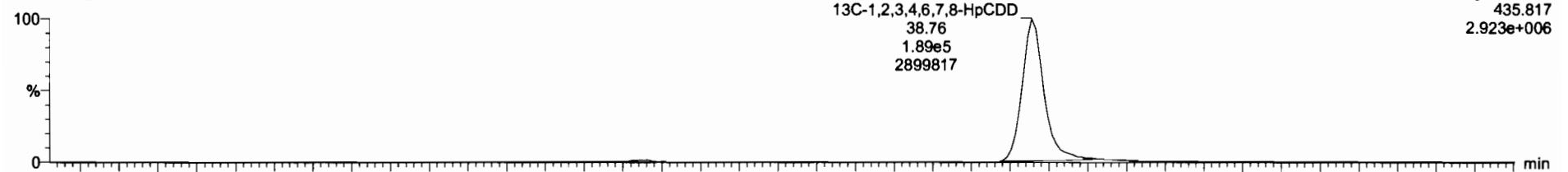


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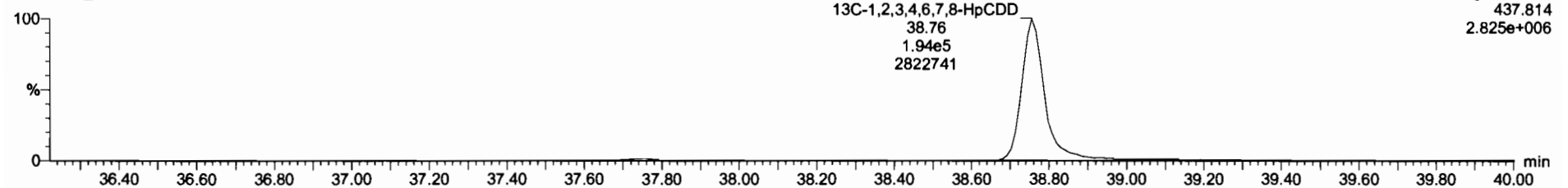


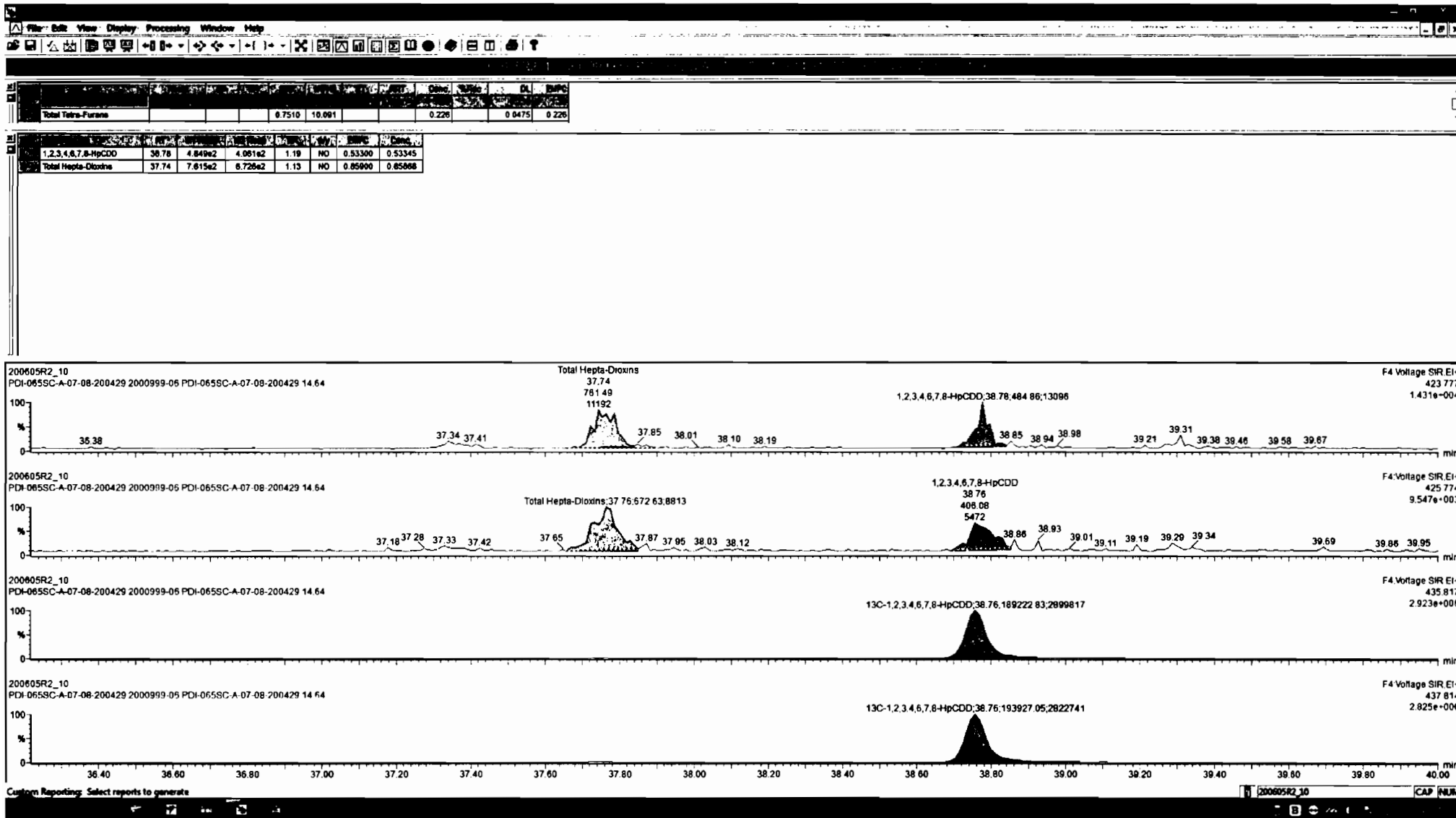
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200605R2_10



200605R2_10

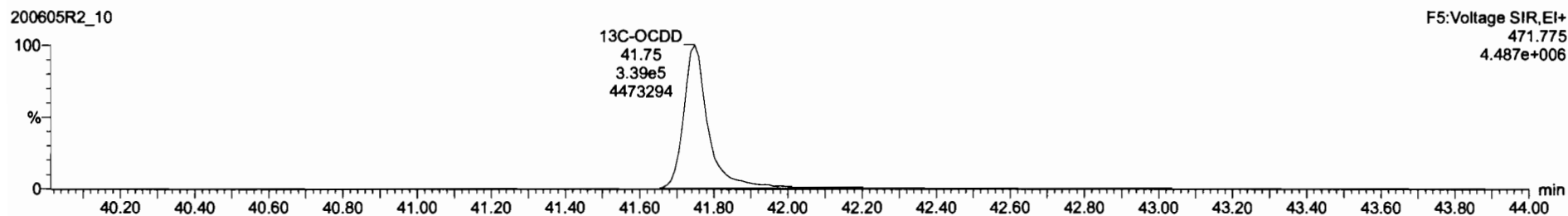
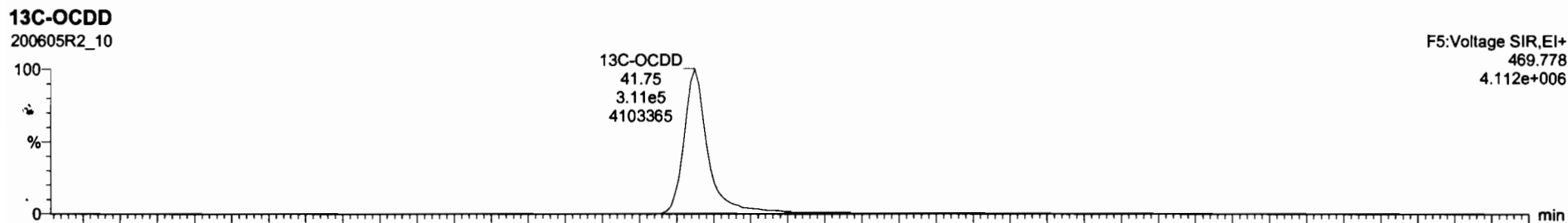
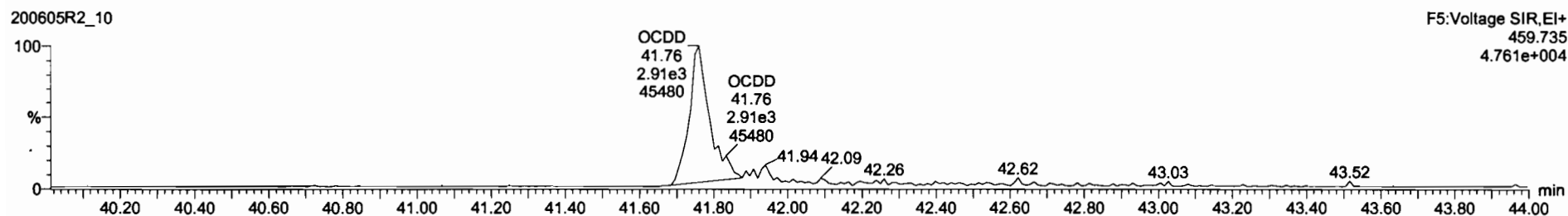
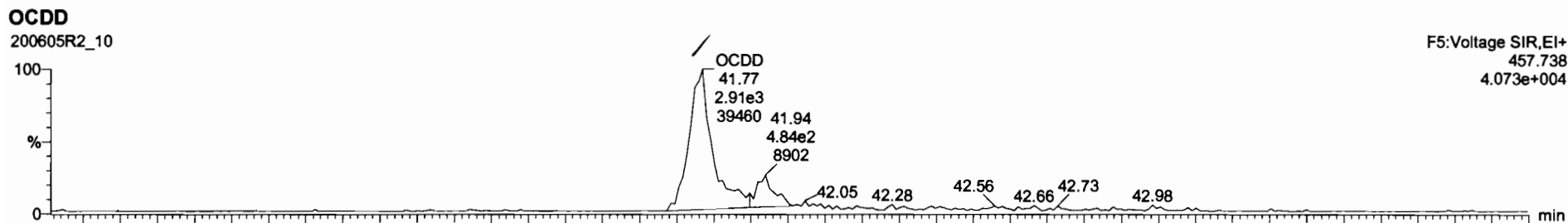


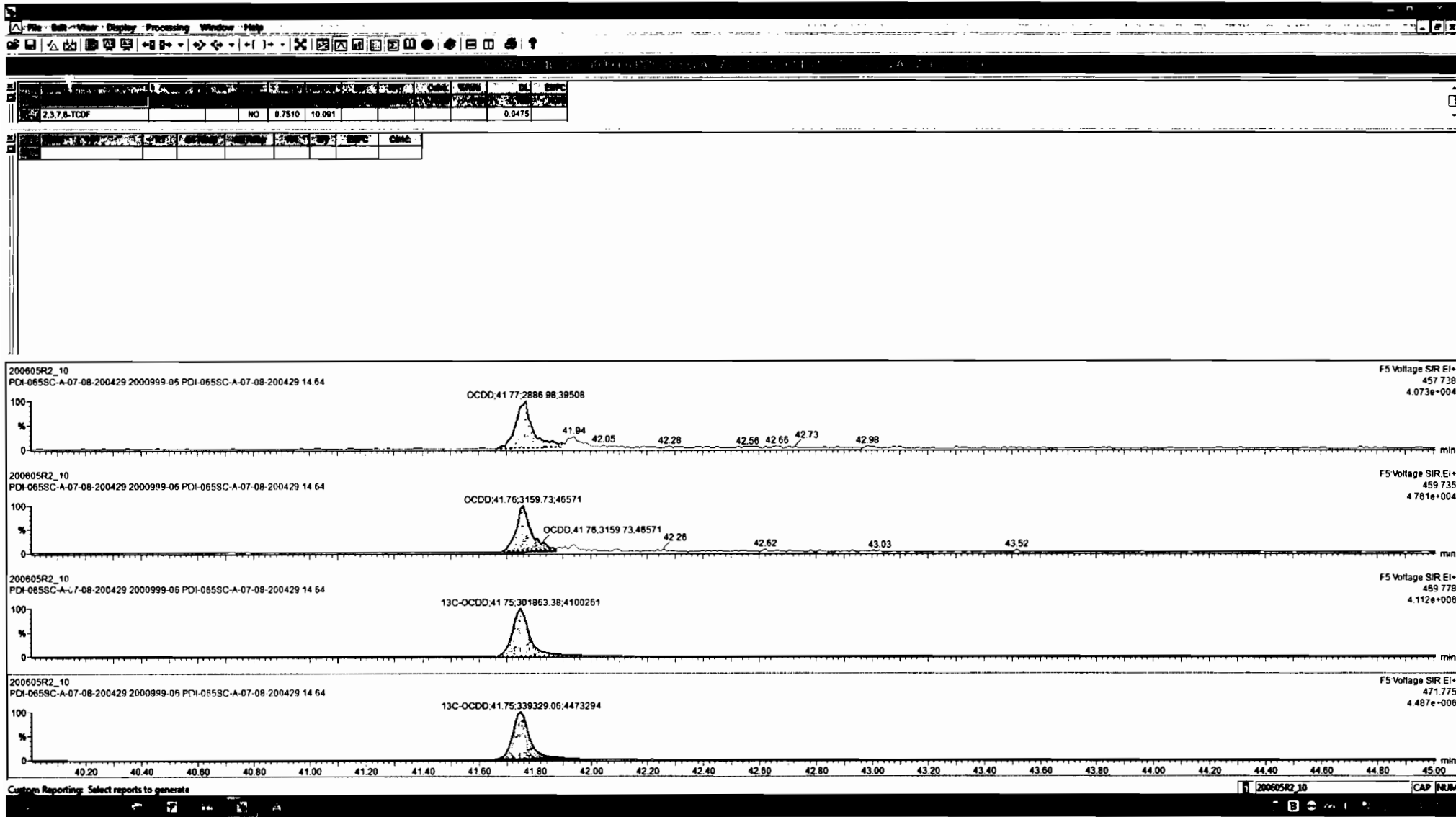


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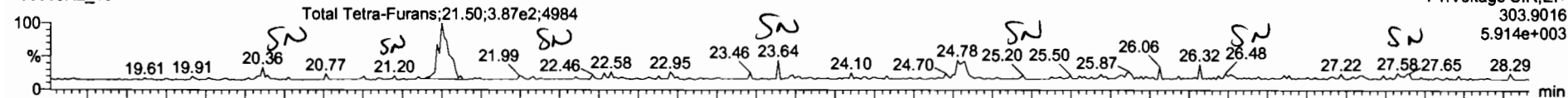
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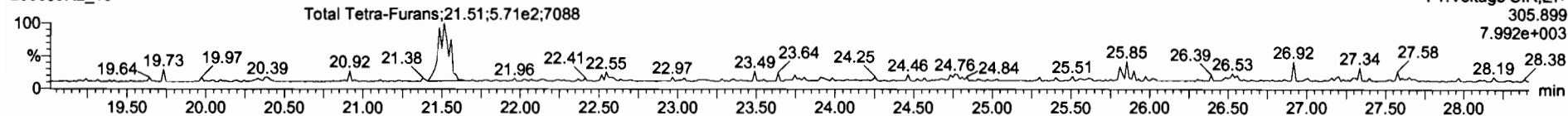
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2,3,7,8-TCDF

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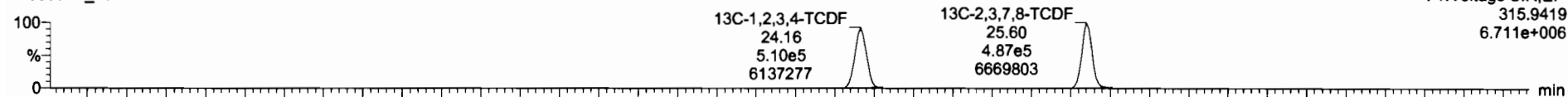


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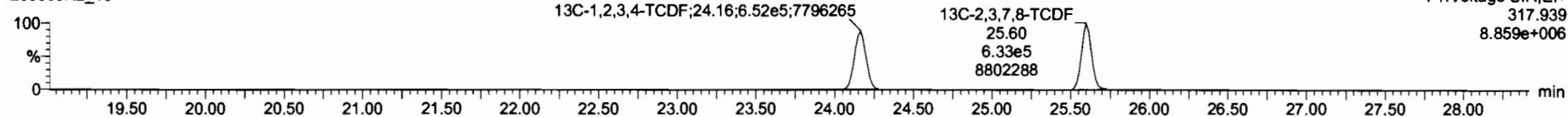


13C-2,3,7,8-TCDF

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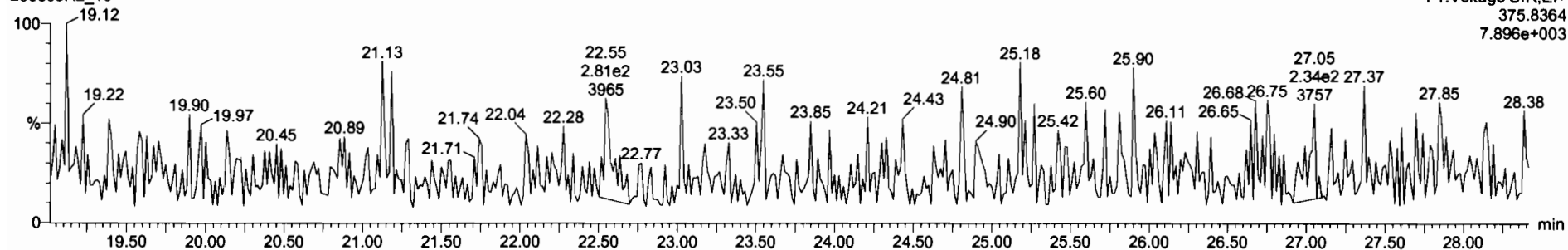


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DPE1

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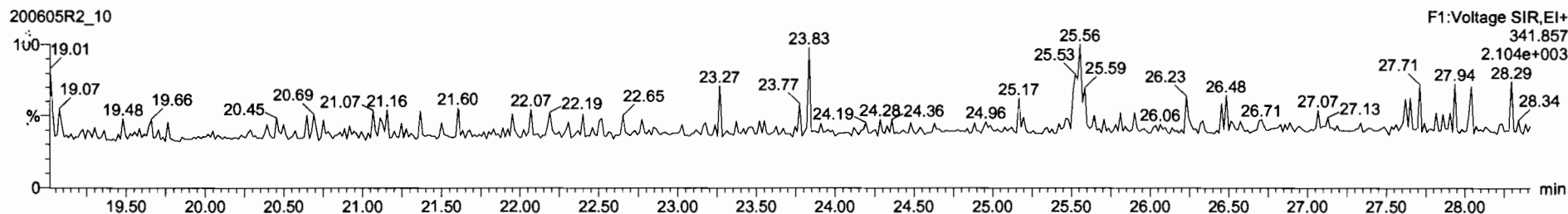
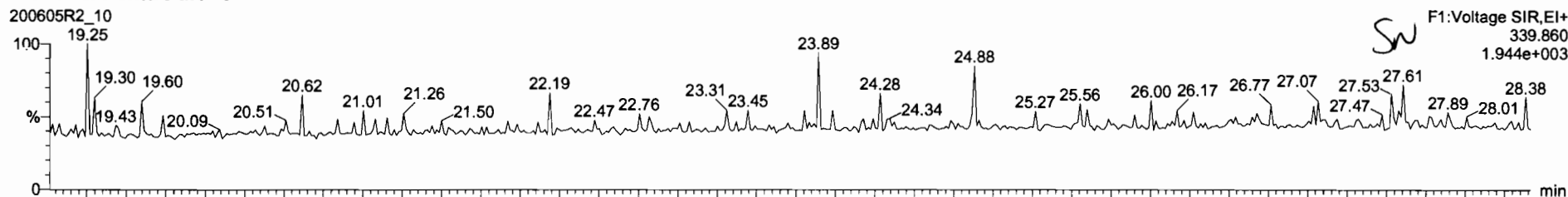


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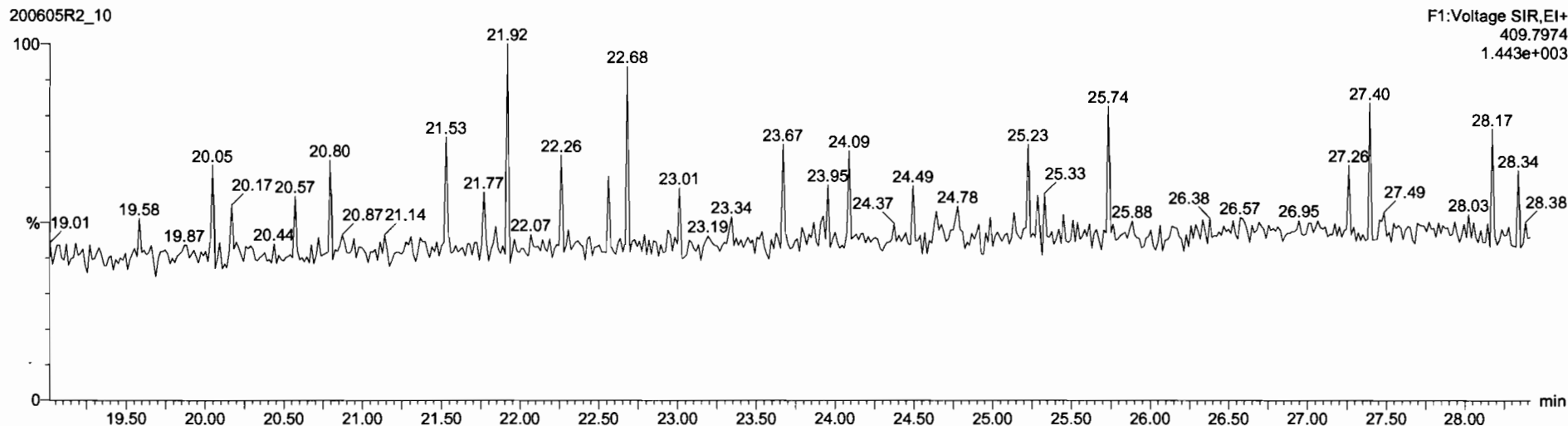
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1st Func. Penta-Furans



DPE6



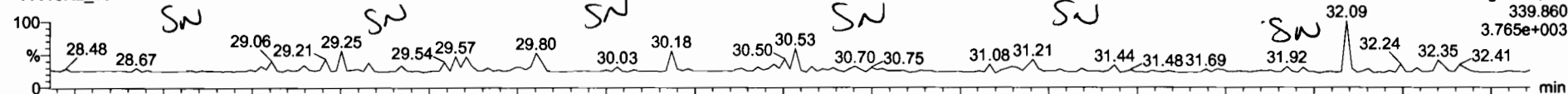
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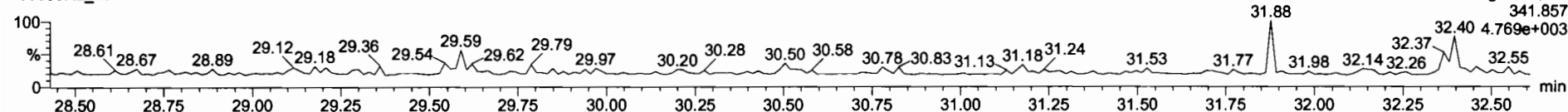
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1,2,3,7,8-PeCDF

200605R2_10



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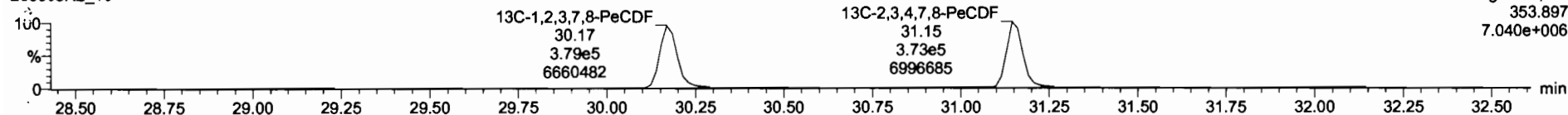


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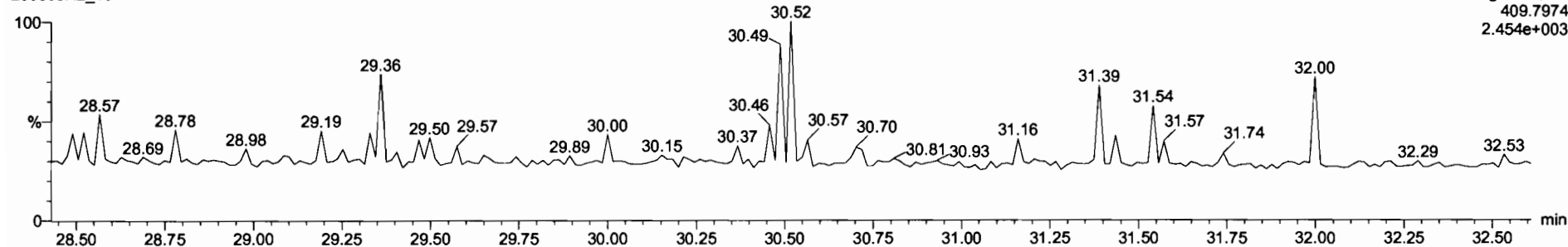


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DPE2

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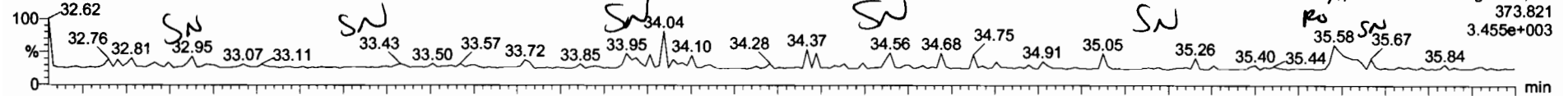
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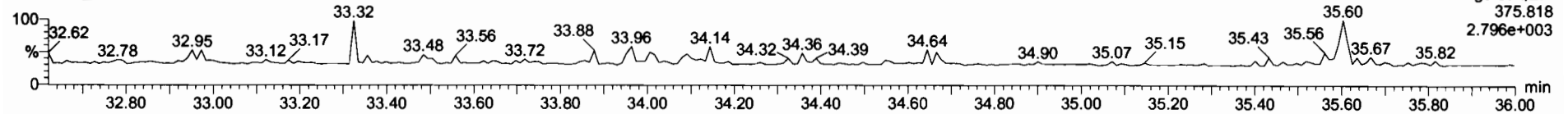
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1,2,3,4,7,8-HxCDF

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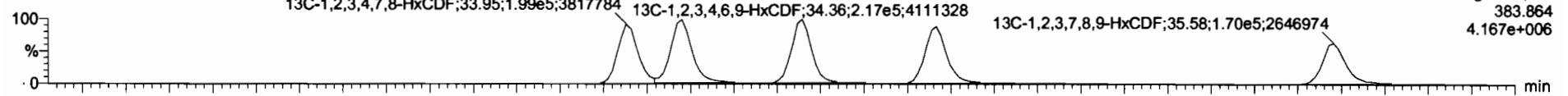


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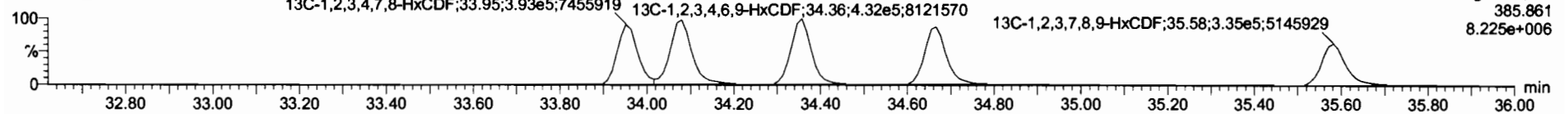


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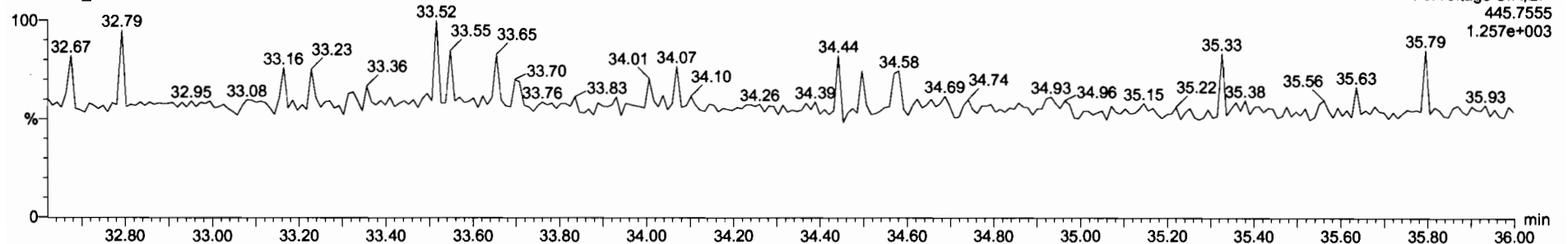


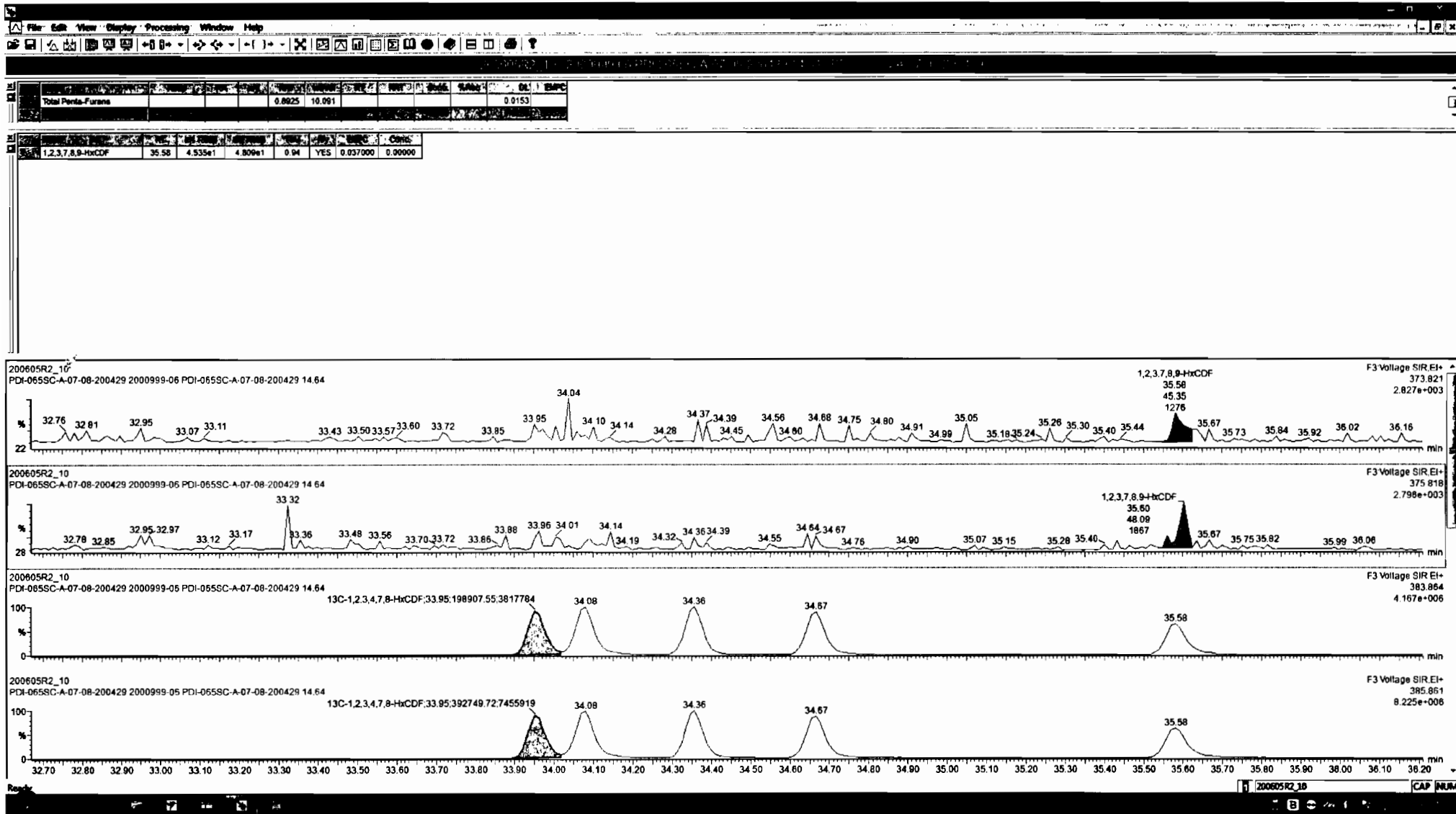
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DPE3

200605R2_10





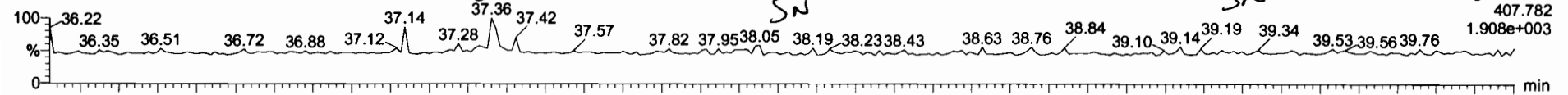
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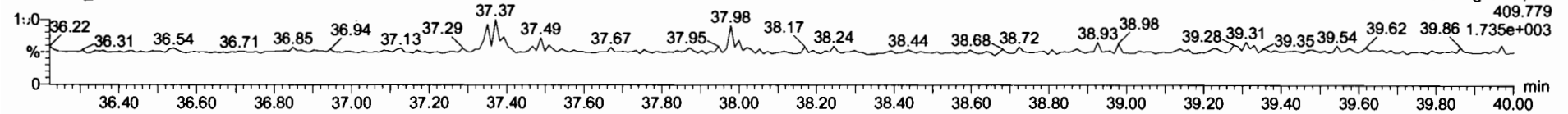
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1,2,3,4,6,7,8-HpCDF

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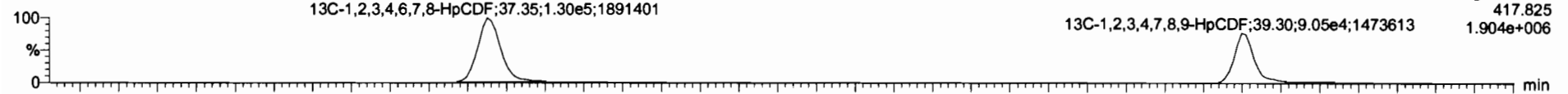


200605R2_10

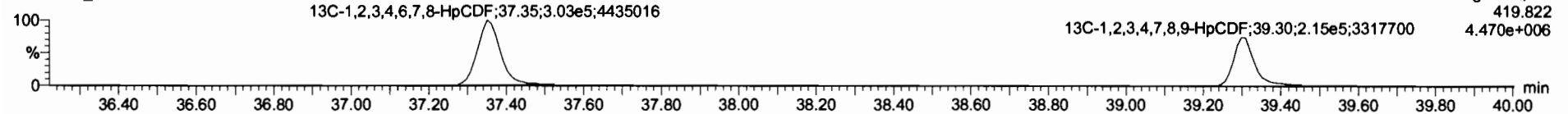


13C-1,2,3,4,6,7,8-HpCDF

200605R2_10

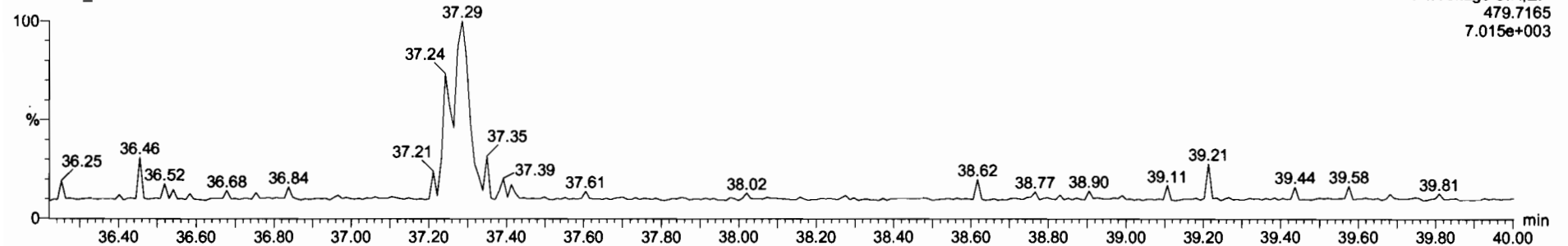


200605R2_10



DPE4

200605R2_10

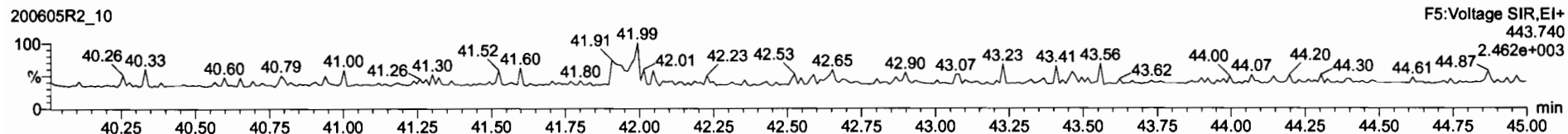
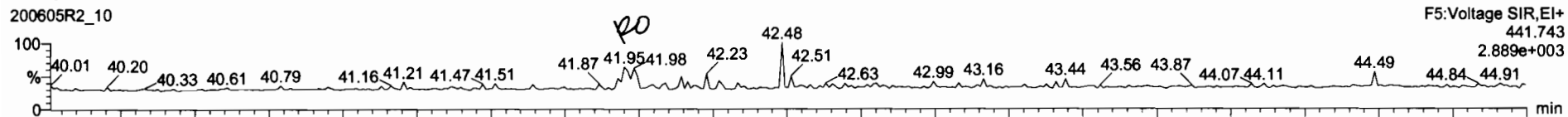


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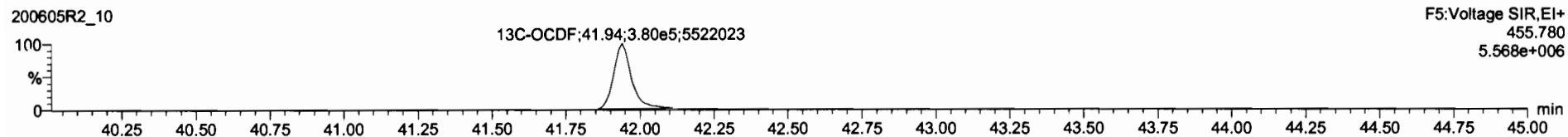
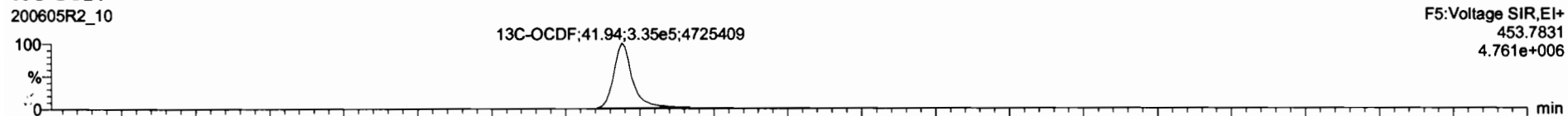
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_10, Date: 06-Jun-2020, Time: 05:18:41, ID: 2000999-06 PDI-065SC-A-07-08-200429 14.64, Description: PDI-065SC-A-07-08-200429

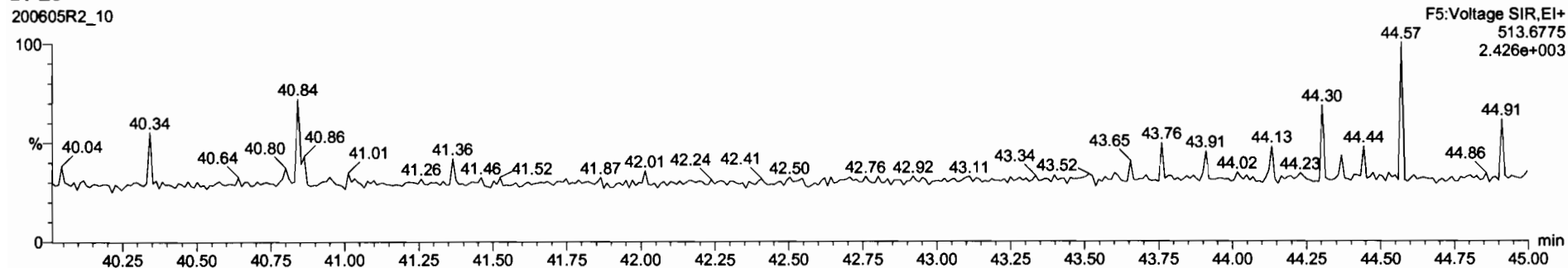
OCDF



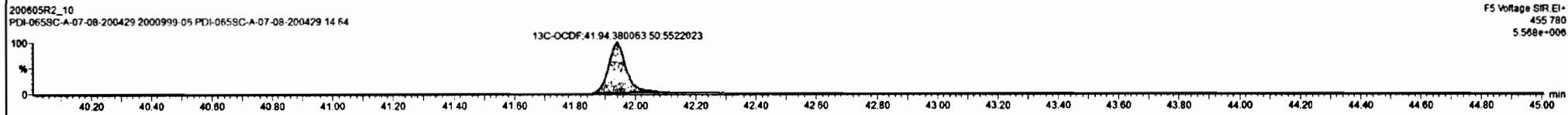
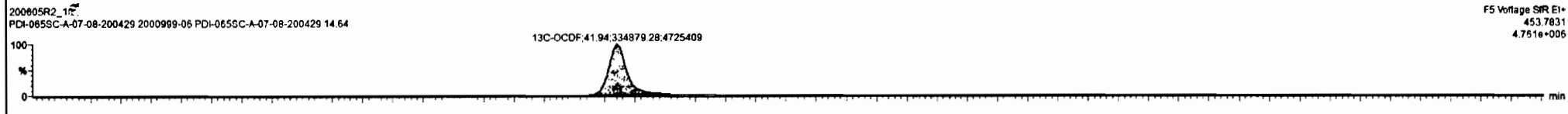
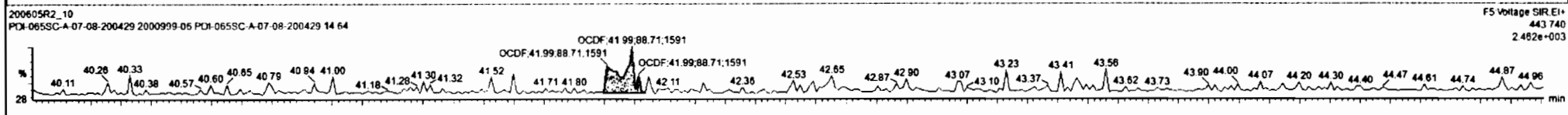
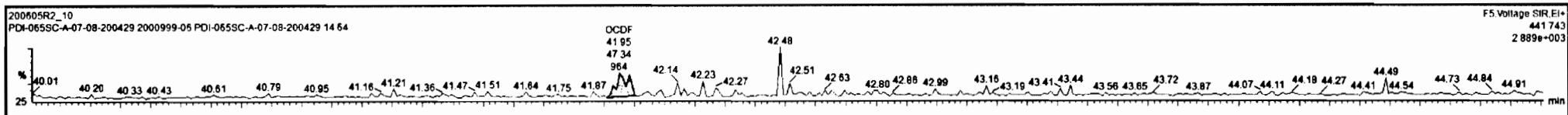
13C-OCDF



DPE5



File	Edit	View	Display	Processing	Window	Help				
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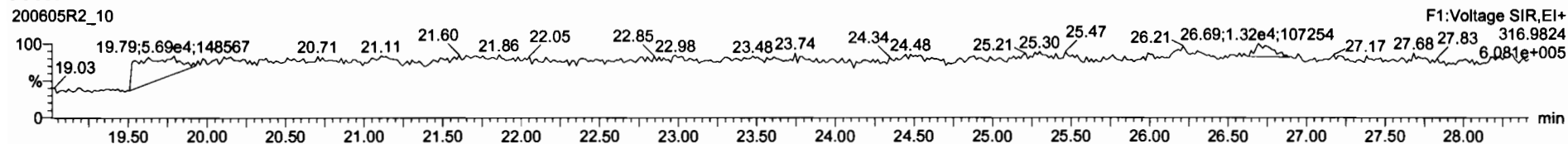
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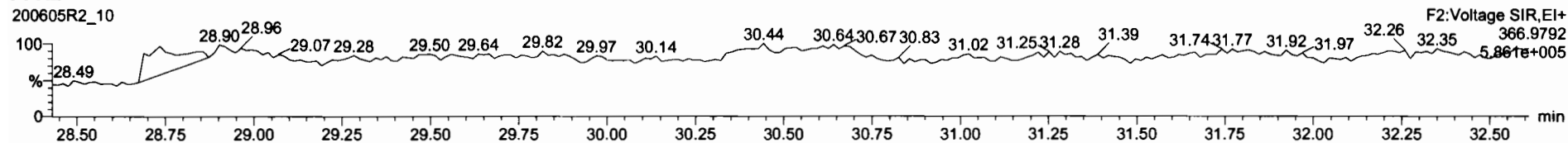
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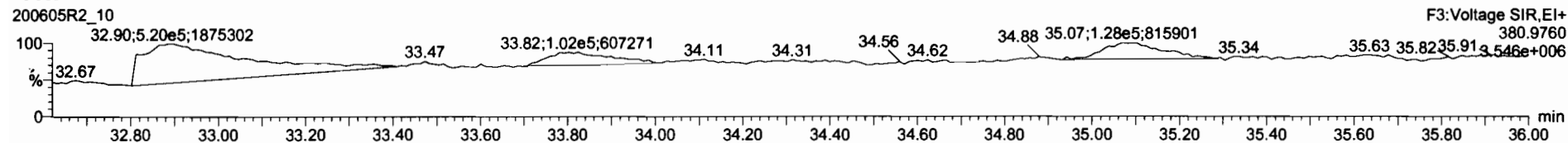
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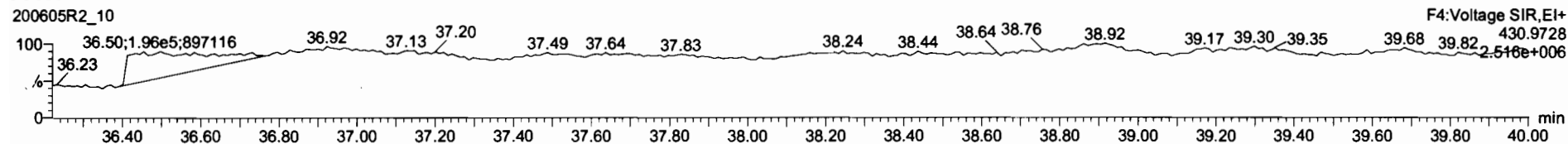
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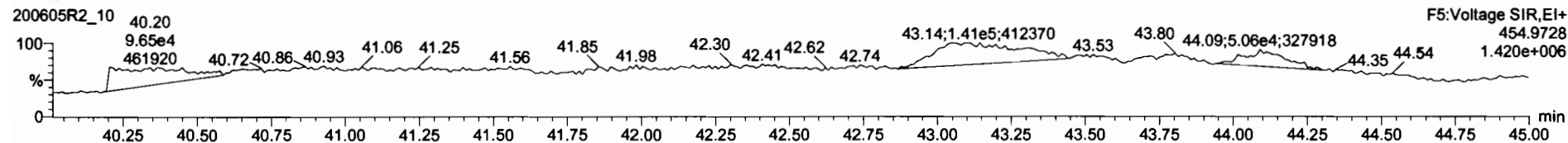
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-11.qld

Last Altered: Monday, June 08, 2020 15:02:04 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:02:39 Pacific Daylight Time

GRB 06/08/2020

07 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: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Concn	%Rec	DL	EMPA
1	2,3,7,8-TCDD			NO	0.888	10.012	26.531		1.001				0.0649	
2	1,2,3,7,8-PeCDD			NO	0.908	10.012	31.488		1.001				0.0786	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.012	34.846		1.000				0.0642	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.012	34.943		1.000				0.0639	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.012	35.230		1.000				0.0721	
6	1,2,3,4,6,7,8-HpCDD	3.92e2	1.74	YES	0.864	10.012	38.778	38.79	1.000	1.001	0.22890		0.140	0.170
7	OCDD	2.48e3	1.05	YES	0.914	10.012	41.748	41.76	1.000	1.000	1.6800		0.228	1.55
8	2,3,7,8-TCDF			NO	0.751	10.012	25.641		1.001				0.0378	
9	1,2,3,7,8-PeCDF			NO	0.893	10.012	30.205		1.001				0.0389	
10	2,3,4,7,8-PeCDF			NO	0.935	10.012	31.192		1.001				0.0340	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.012	33.963		1.000				0.0265	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.012	34.090		1.000				0.0232	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.012	34.701		1.001				0.0233	
14	1,2,3,7,8,9-HxCDF	1.72e2	0.55	YES	0.871	10.012	35.582	35.59	1.000	1.000	0.07326		0.0100	0.0471
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.012	37.397		1.001				0.0302	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.012	39.309		1.000				0.0316	
17	OCDF			NO	0.806	10.012	41.940		1.000				0.0691	
18	13C-2,3,7,8-TCDD	6.96e5	0.78	NO	1.16	10.012	26.522	26.50	1.026	1.026	141.49	70.8	0.196	
19	13C-1,2,3,7,8-PeCDD	6.27e5	0.63	NO	0.849	10.012	31.711	31.47	1.227	1.218	173.58	86.9	0.248	
20	13C-1,2,3,4,7,8-HxCDD	4.76e5	1.29	NO	0.779	10.012	34.841	34.84	1.014	1.014	176.32	88.3	0.705	
21	13C-1,2,3,6,7,8-HxCDD	5.97e5	1.25	NO	1.02	10.012	34.955	34.94	1.017	1.017	169.17	84.7	0.540	
22	13C-1,2,3,7,8,9-HxCDD	5.41e5	1.26	NO	0.903	10.012	35.226	35.22	1.025	1.025	172.92	86.6	0.608	
23	13C-1,2,3,4,6,7,8-HpCDD	3.96e5	1.09	NO	0.689	10.012	38.751	38.77	1.128	1.128	165.56	82.9	0.349	
24	13C-OCDD	6.44e5	0.91	NO	0.652	10.012	41.775	41.75	1.216	1.215	284.91	71.3	0.530	
25	13C-2,3,7,8-TCDF	8.38e5	0.79	NO	1.06	10.012	25.564	25.61	0.989	0.991	130.86	65.5	0.289	
26	13C-1,2,3,7,8-PeCDF	8.54e5	1.60	NO	0.838	10.012	30.093	30.18	1.165	1.168	168.67	84.4	0.604	
27	13C-2,3,4,7,8-PeCDF	8.47e5	1.56	NO	0.817	10.012	31.047	31.16	1.202	1.206	171.63	85.9	0.619	
28	13C-1,2,3,4,7,8-HxCDF	5.78e5	0.51	NO	1.01	10.012	33.972	33.96	0.989	0.989	165.52	82.9	0.844	
29	13C-1,2,3,6,7,8-HxCDF	6.75e5	0.50	NO	1.17	10.012	34.096	34.08	0.992	0.992	166.84	83.5	0.729	
30	13C-2,3,4,6,7,8-HxCDF	6.53e5	0.50	NO	1.02	10.012	34.670	34.67	1.009	1.009	184.36	92.3	0.832	
31	13C-1,2,3,7,8,9-HxCDF	5.38e5	0.50	NO	0.860	10.012	35.570	35.58	1.035	1.036	180.59	90.4	0.989	

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-11.qld

Last Altered: Monday, June 08, 2020 15:02:04 Pacific Daylight Time

Printed: Monday, June 08, 2020 15:02:39 Pacific Daylight Time

Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

#	Name	Resp	RA	n/y	RRF	w/vol	Pre	Re	RR	RR	RR	RR	RR	RR
32	13C-1,2,3,4,6,7,8-HpCDF	4.51e5	0.45	NO	0.774	10.012	37.319	37.36	1.086	1.087	167.90	84.0	0.543	
33	13C-1,2,3,4,7,8,9-HpCDF	3.14e5	0.41	NO	0.521	10.012	39.349	39.31	1.145	1.144	173.52	86.9	0.806	
34	13C-OCDF	7.44e5	0.91	NO	0.746	10.012	41.946	41.94	1.221	1.221	287.53	72.0	0.360	
35	37Cl-2,3,7,8-TCDD	2.54e5			1.04	10.012	26.553	26.51	1.028	1.026	57.650	72.1	0.0424	
36	13C-1,2,3,4-TCDD	8.50e5	0.80	NO	1.00	10.012	25.890	25.84	1.000	1.000	199.77	100	0.226	
37	13C-1,2,3,4-TCDF	1.21e6	0.78	NO	1.00	10.012	24.360	24.16	1.000	1.000	199.77	100	0.306	
38	13C-1,2,3,4,6,9-HxCDF	6.93e5	0.51	NO	1.00	10.012	34.420	34.36	1.000	1.000	199.77	100	0.850	
39	Total Tetra-Dioxins				0.888	10.012	24.620		0.000				0.0380	
40	Total Penta-Dioxins				0.908	10.012	29.960		0.000				0.0347	
41	Total Hexa-Dioxins				0.892	10.012	33.635		0.000		0.12527		0.0406	0.125
42	Total Hepta-Dioxins				0.864	10.012	37.640		0.000		0.00000		0.0835	0.433
43	Total Tetra-Furans				0.751	10.012	23.610		0.000		0.055476		0.0165	0.0555
44	1st Func. Penta-Furans				0.893	10.012	27.580		0.000				0.00745	
45	Total Penta-Furans				0.893	10.012	29.275		0.000				0.0116	
46	Total Hexa-Furans				0.934	10.012	33.555		0.000		0.00000		0.0118	0.0471
47	Total Hepta-Furans				0.873	10.012	37.835		0.000				0.0170	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-11.qld

Last Altered: Monday, June 08, 2020 15:02:04 Pacific Daylight Time

Printed: Monday, June 08, 2020 15:02:39 Pacific Daylight Time

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

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

Tetra-Dioxins

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

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

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.35	4.164e3	2.982e3	1.605e2	1.406e2	1.14	NO	3.011e2	0.12527	0.12527	0.0406

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.75	4.624e3	4.126e3	2.648e2	2.206e2	1.20	YES	0.000e0	0.00000	0.26297	0.148
1,2,3,4,6,7,8-HpCDD	38.79	5.335e3	2.126e3	2.488e2	1.429e2	1.74	YES	3.918e2	0.00000	0.17038	0.148

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	21.50	9.410e2	1.637e3	7.296e1	1.017e2	0.72	NO	1.747e2	0.055476	0.055476	0.0165

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-11.qld

Last Altered: Monday, June 08, 2020 15:02:04 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:02:39 Pacific Daylight Time

Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.59	1.674e3	4.545e3	6.122e1	1.109e2	0.55	YES	1.721e2	0.00000	0.047122	0.0160

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
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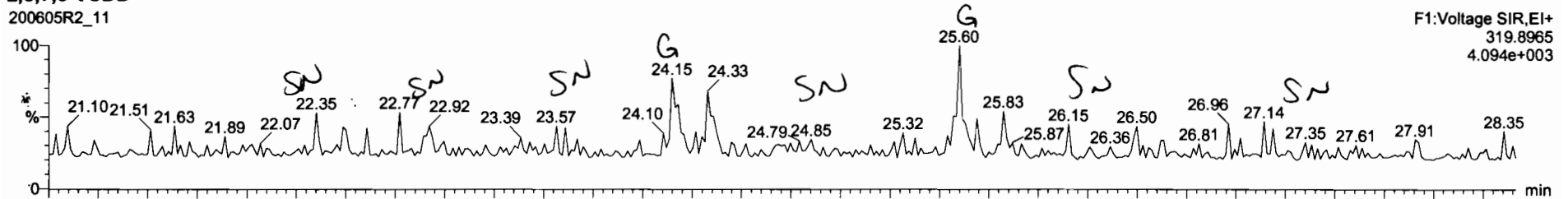
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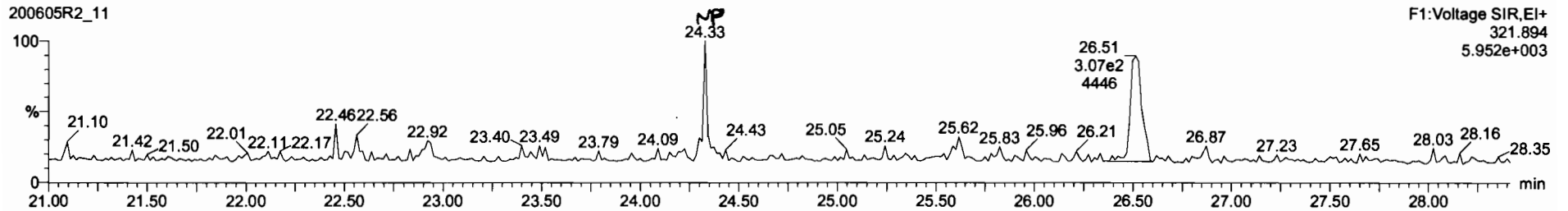
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2,3,7,8-TCDD

200605R2_11

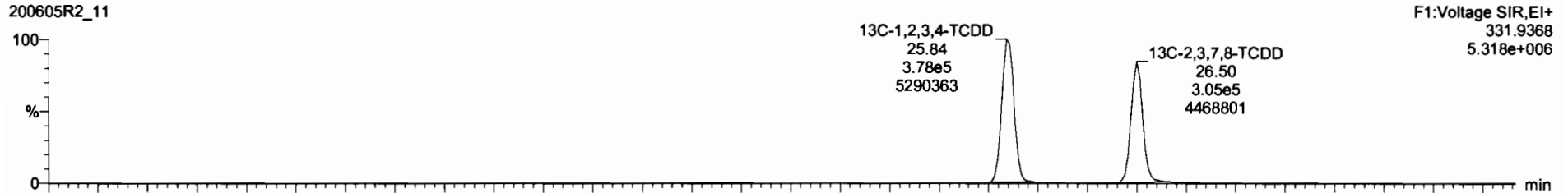


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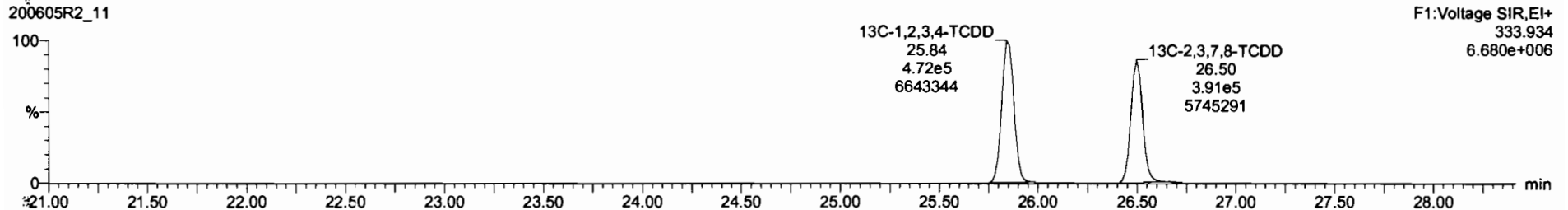


13C-2,3,7,8-TCDD

200605R2_11



200605R2_11



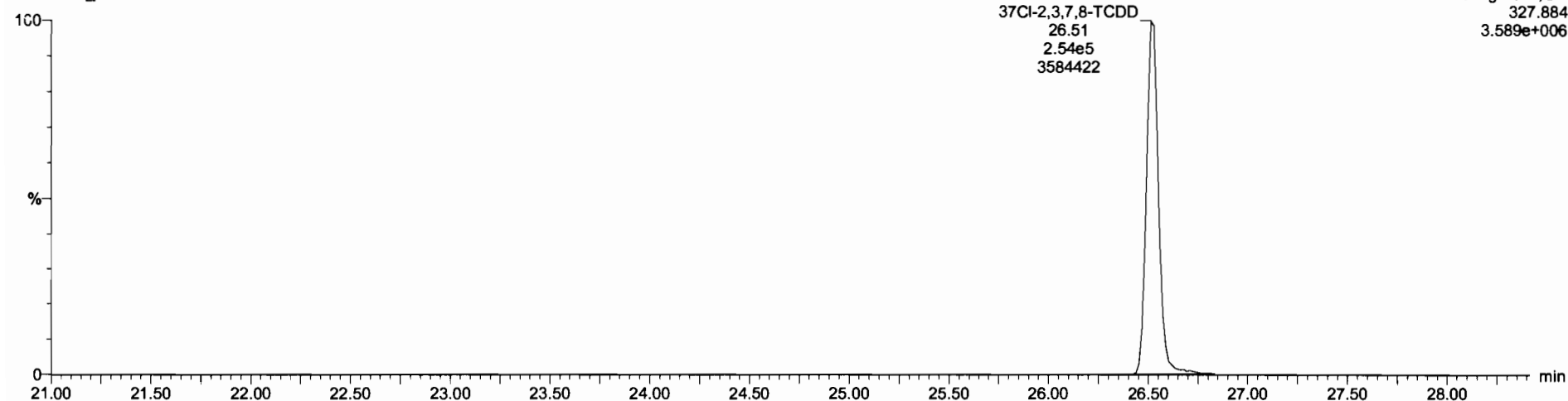
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Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

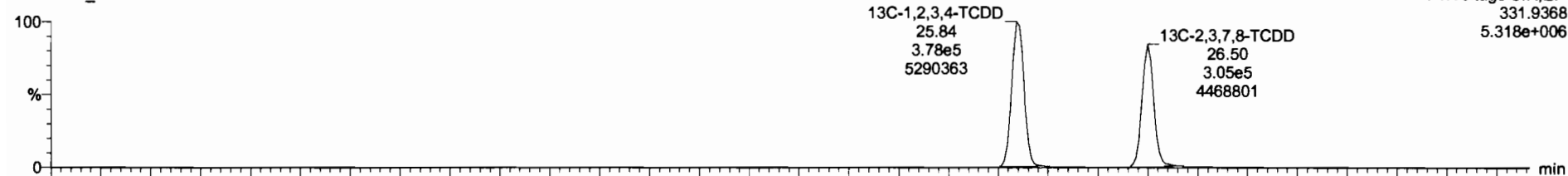
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200605R2_11

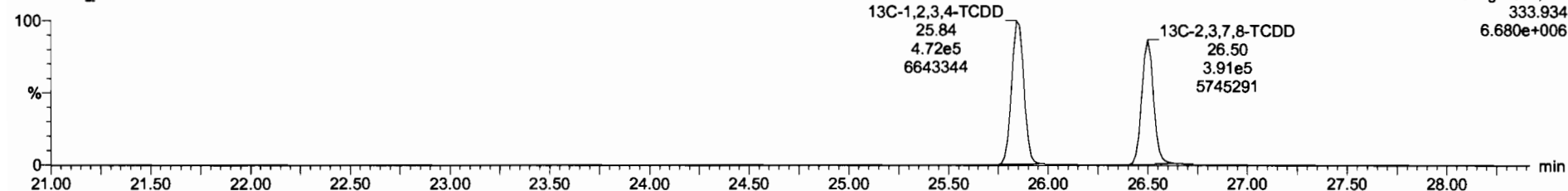


13C-1,2,3,4-TCDD

200605R2_11



200605R2_11



Dataset: Untitled

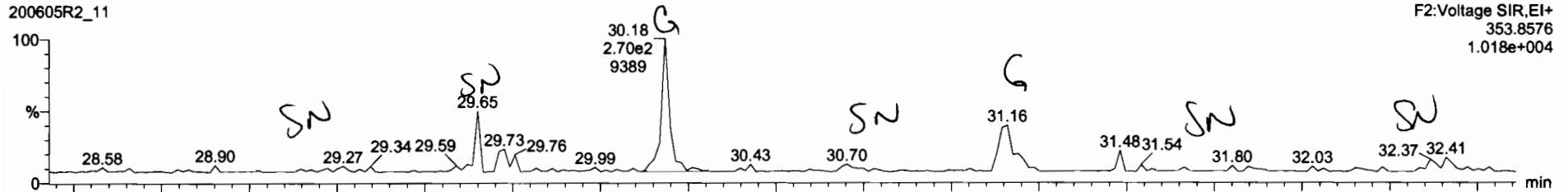
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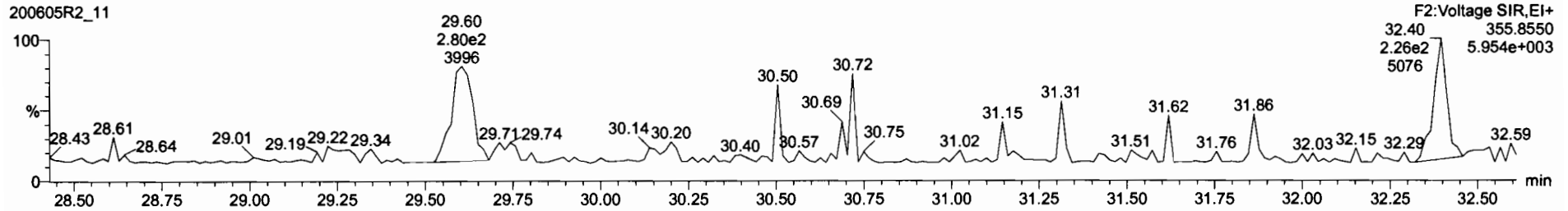
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1,2,3,7,8-PeCDD

200605R2_11

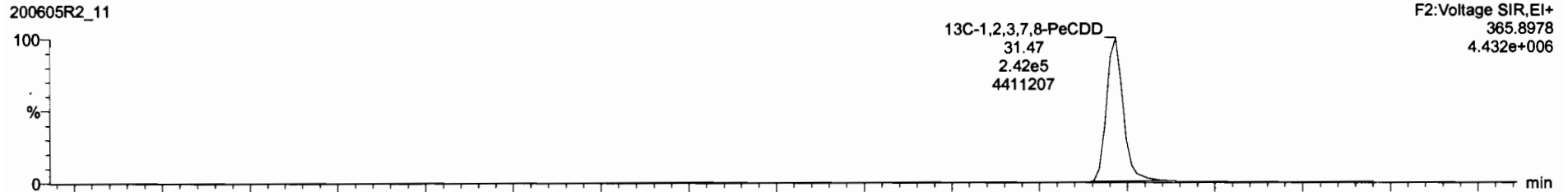


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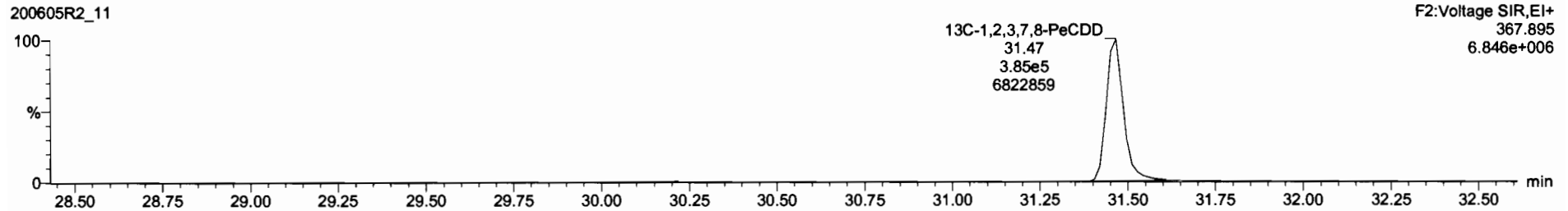


13C-1,2,3,7,8-PeCDD

200605R2_11



200605R2_11



Dataset: Untitled

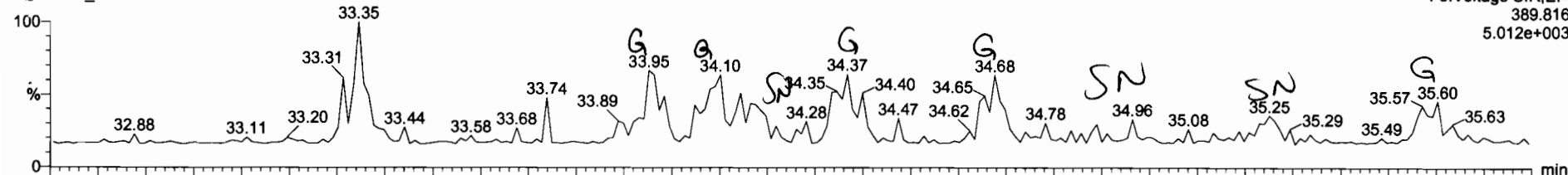
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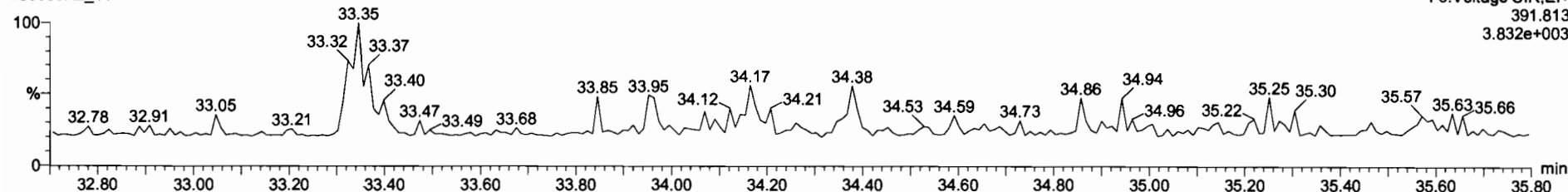
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1,2,3,4,7,8-HxCDD

200605R2_11

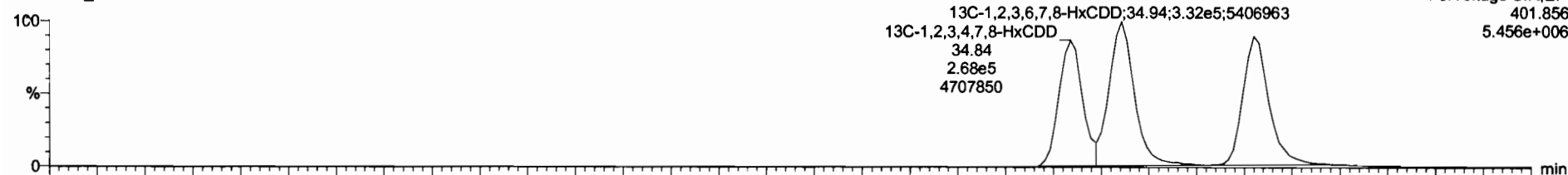


200605R2_11

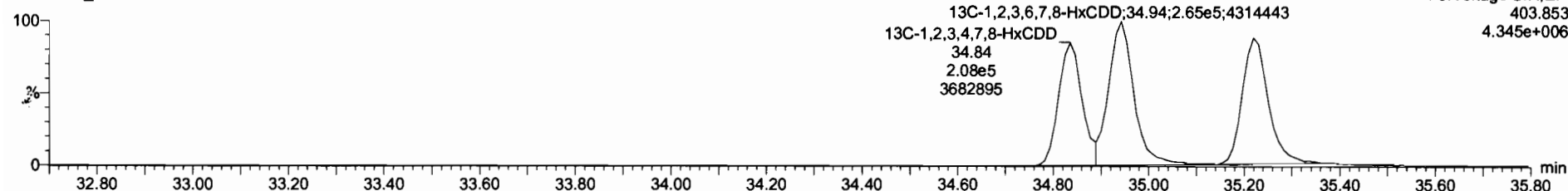


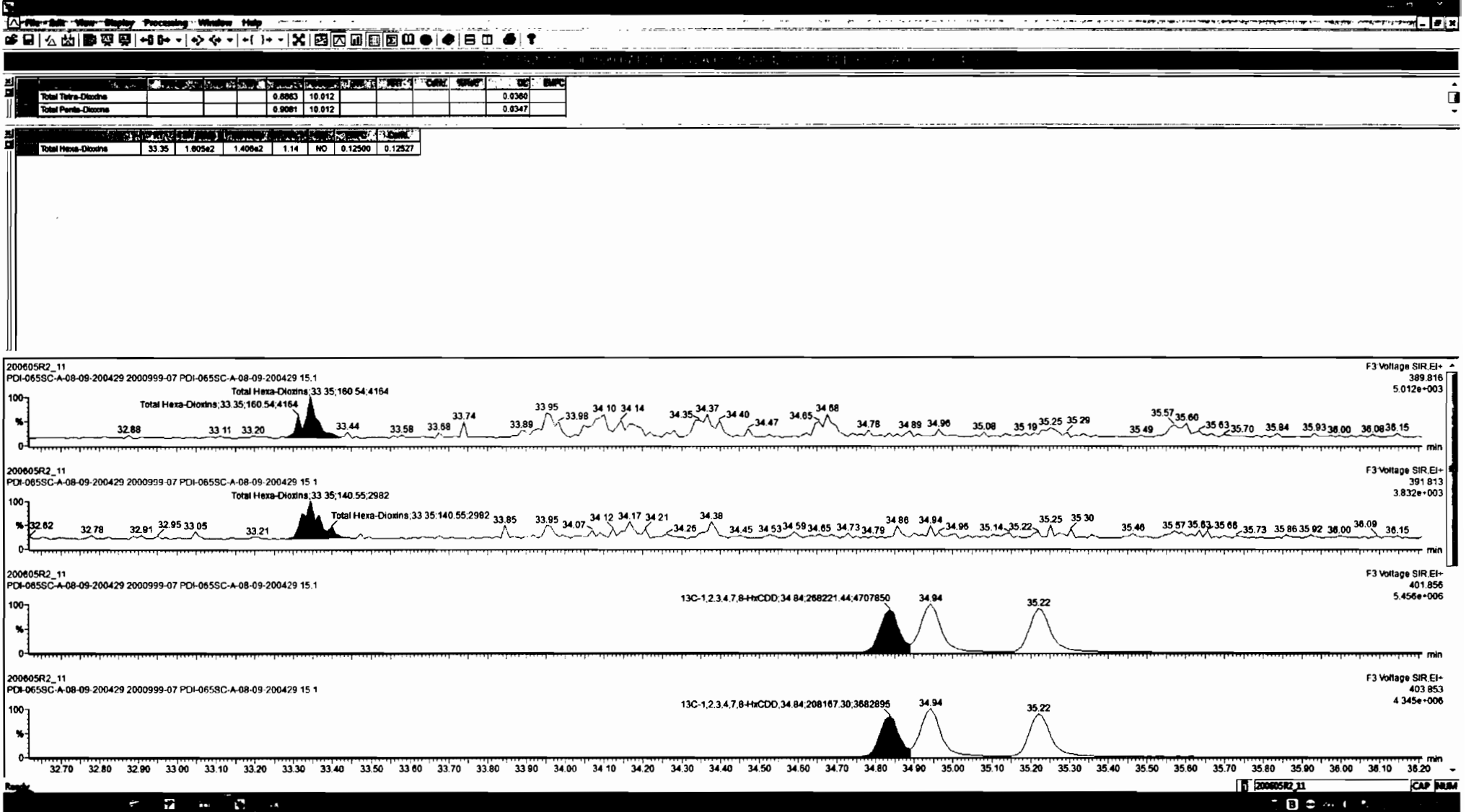
13C-1,2,3,4,7,8-HxCDD

200605R2_11



200605R2_11





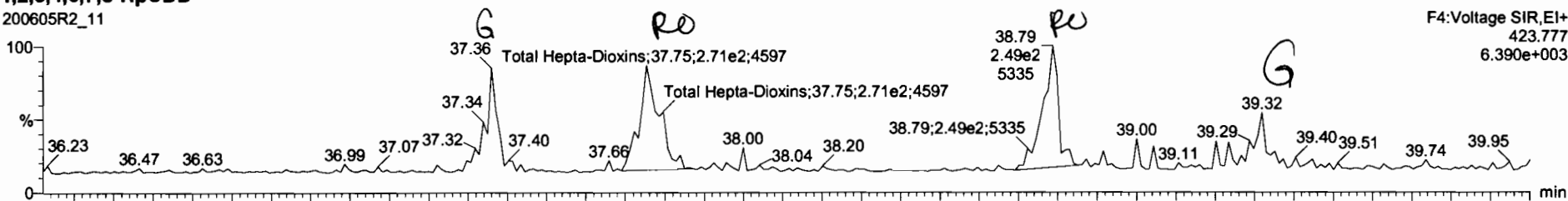
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

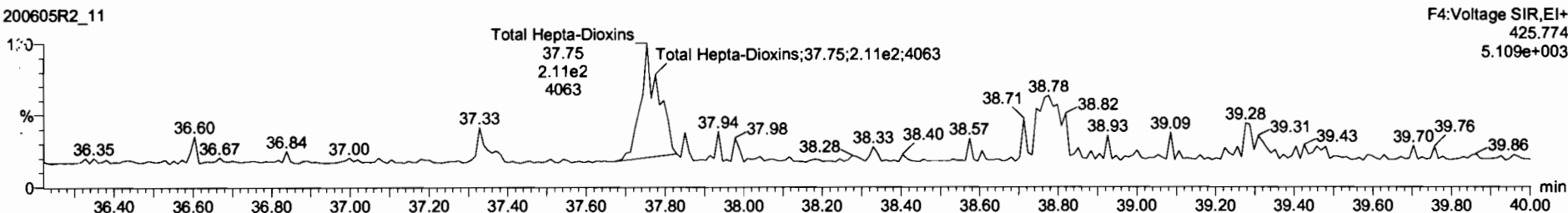
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1,2,3,4,6,7,8-HpCDD

200605R2_11

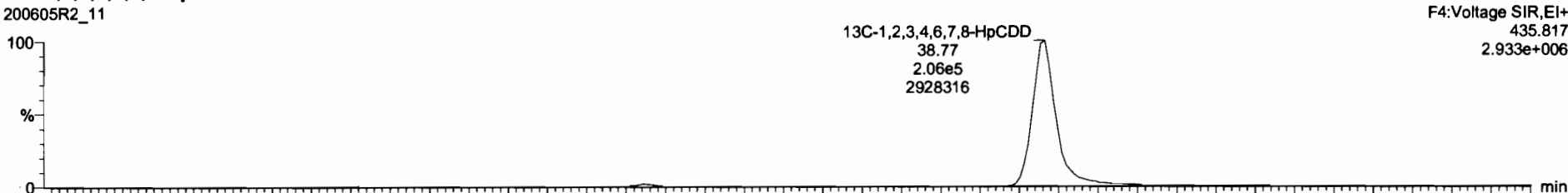


200605R2_11

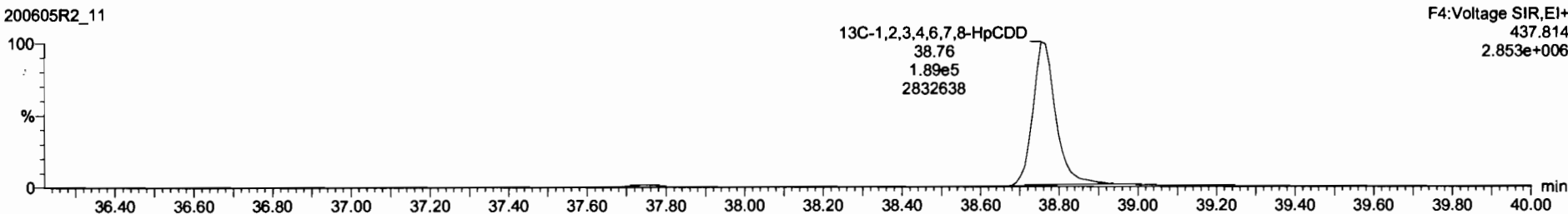


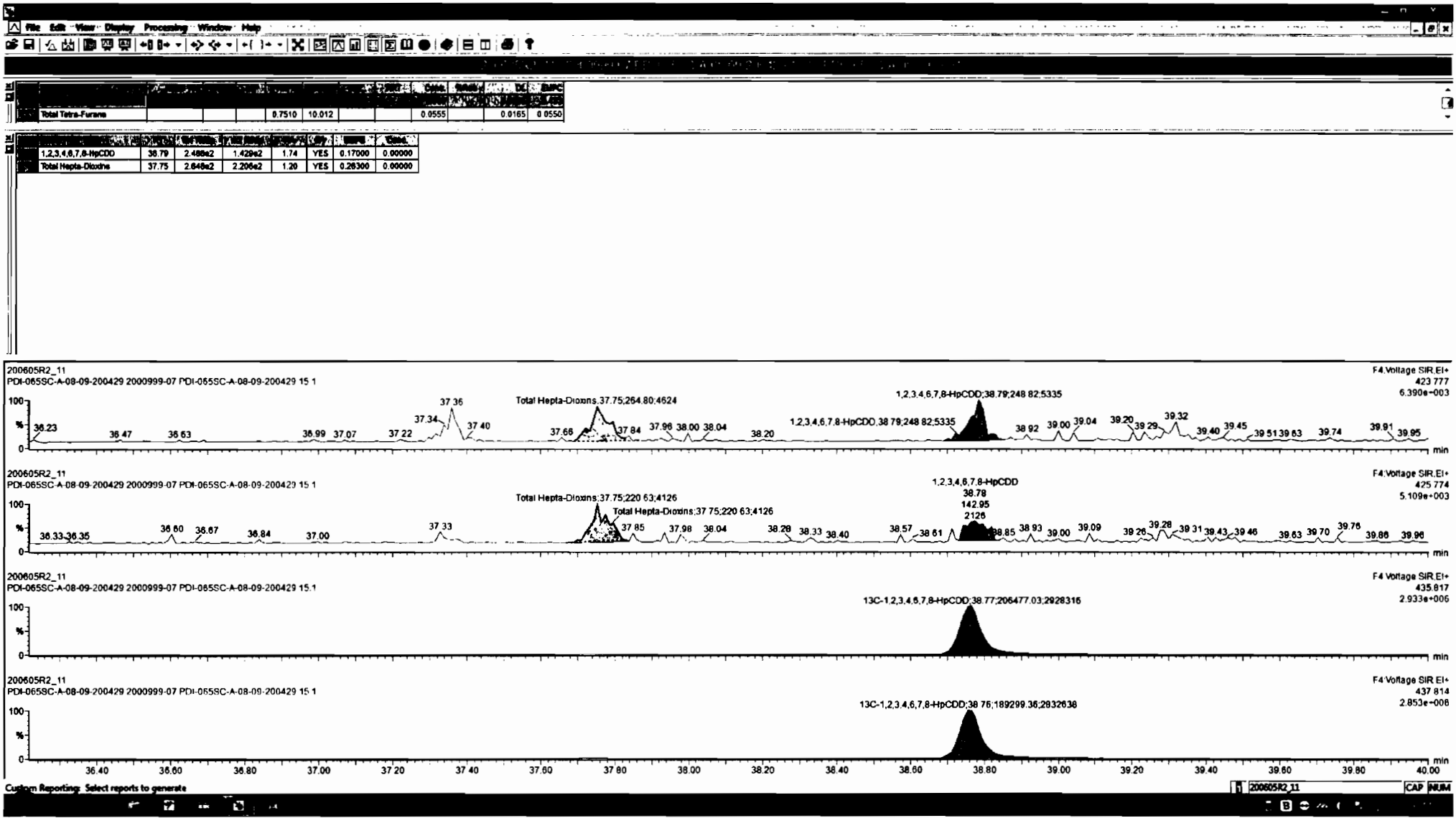
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200605R2_11



200605R2_11

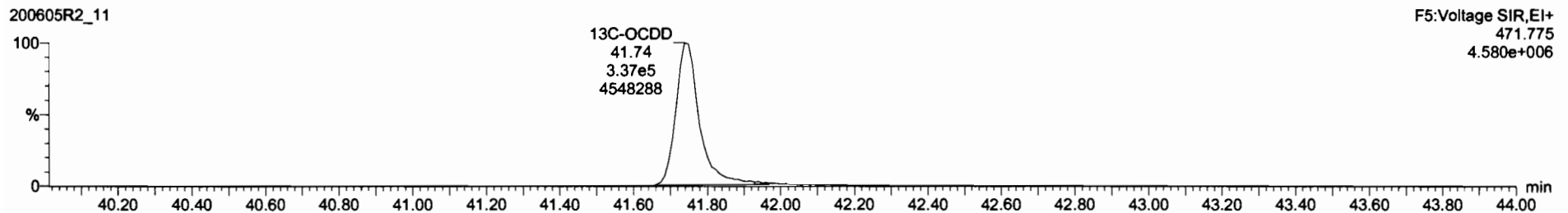
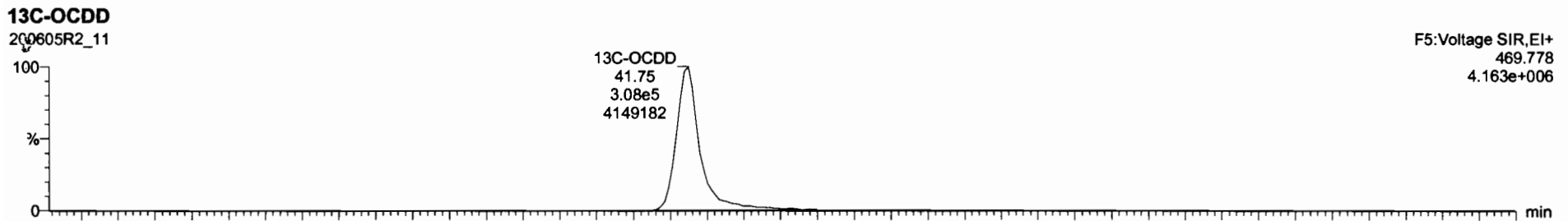
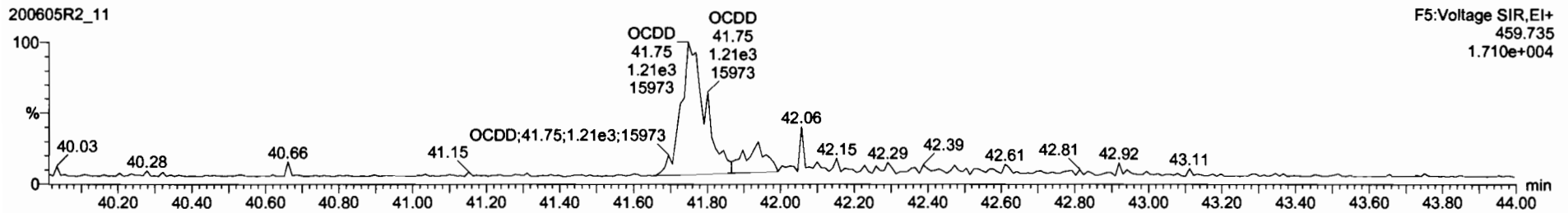
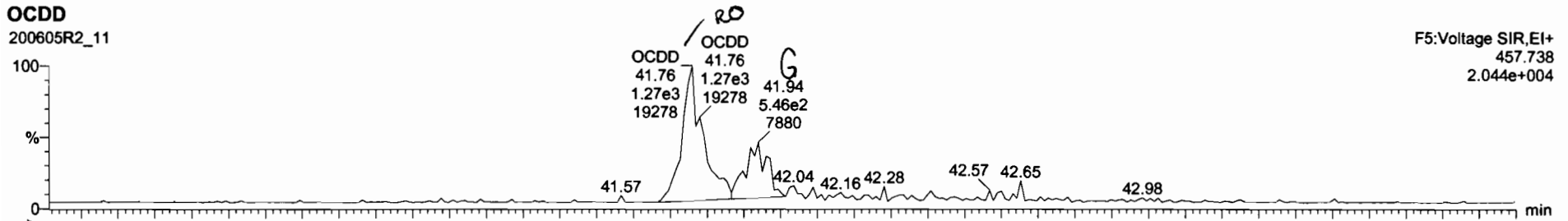




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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

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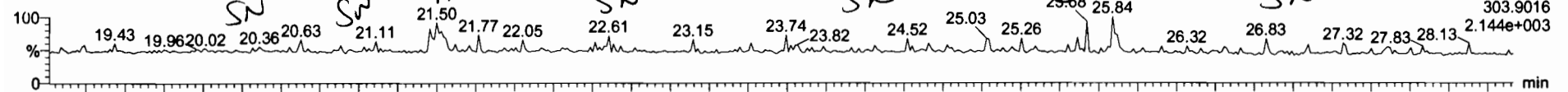
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

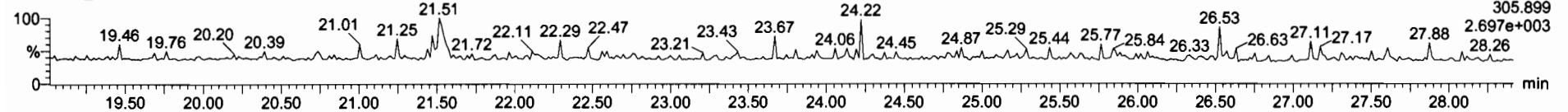
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2,3,7,8-TCDF

200605R2_11

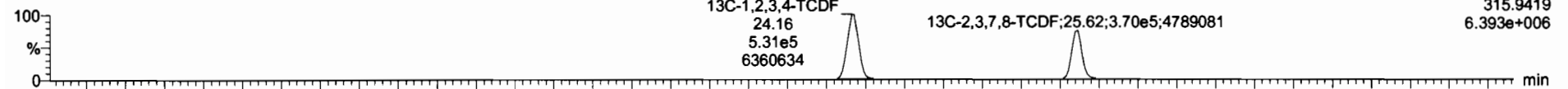


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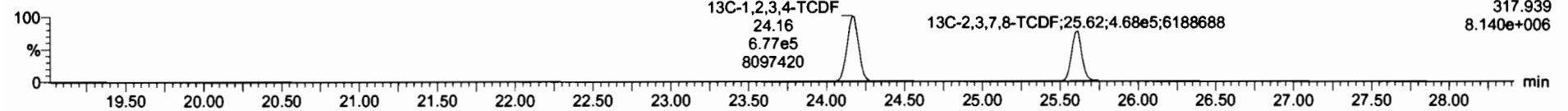


13C-2,3,7,8-TCDF

200605R2_11

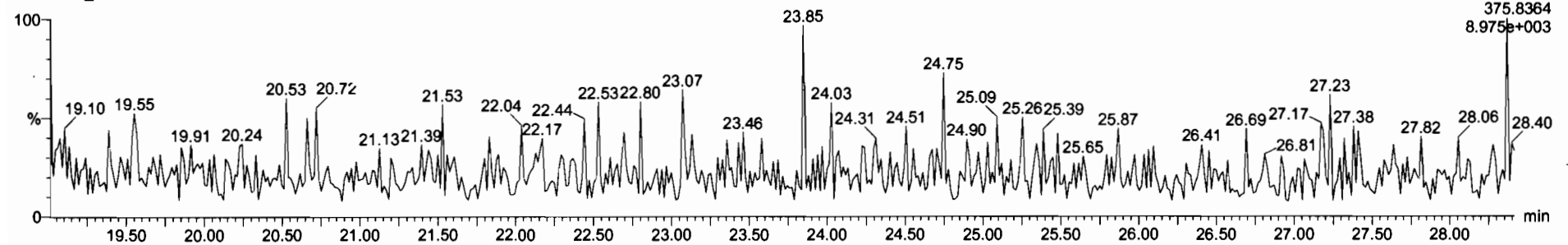


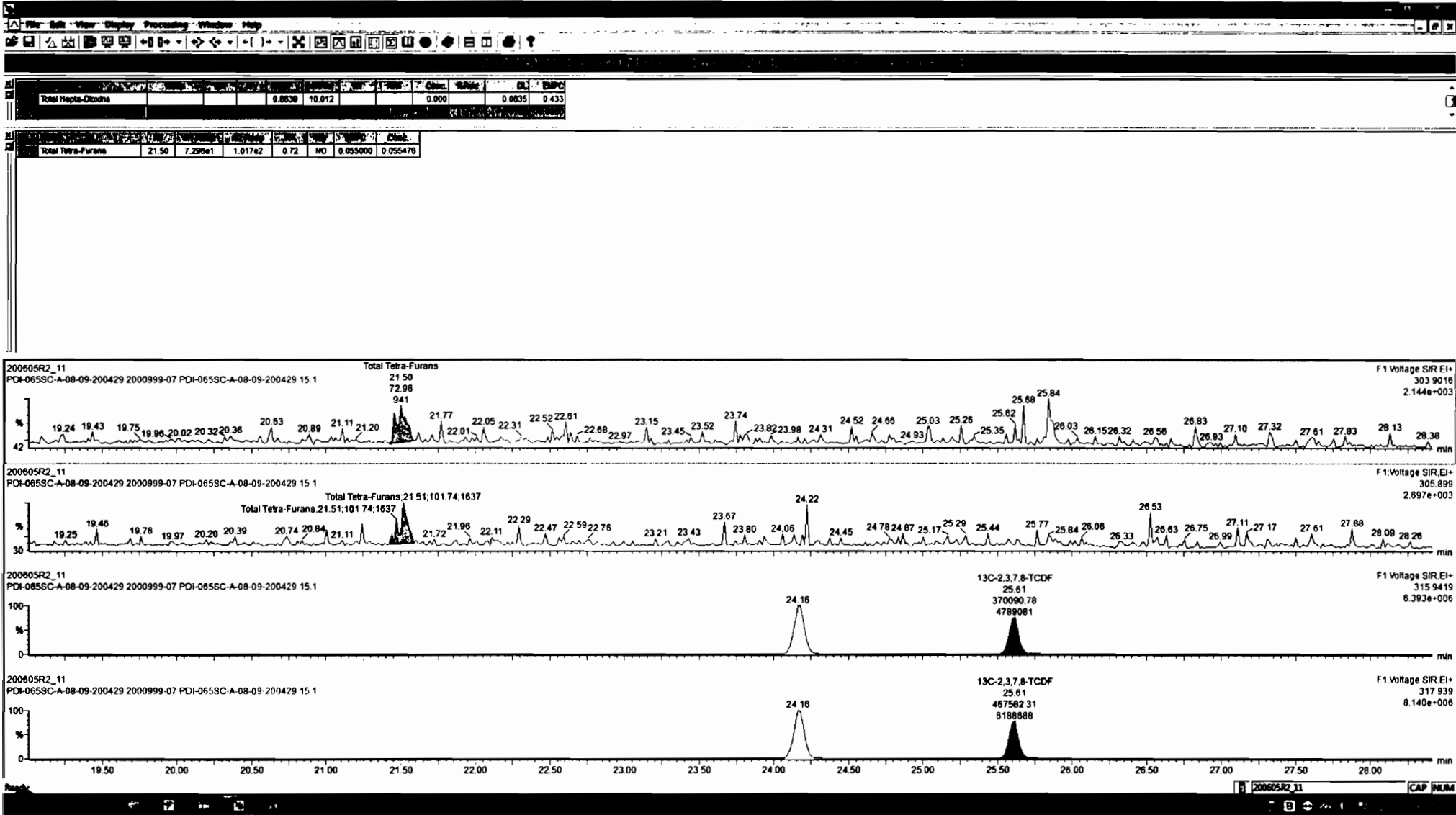
200605R2_11



DPE1

200605R2_11





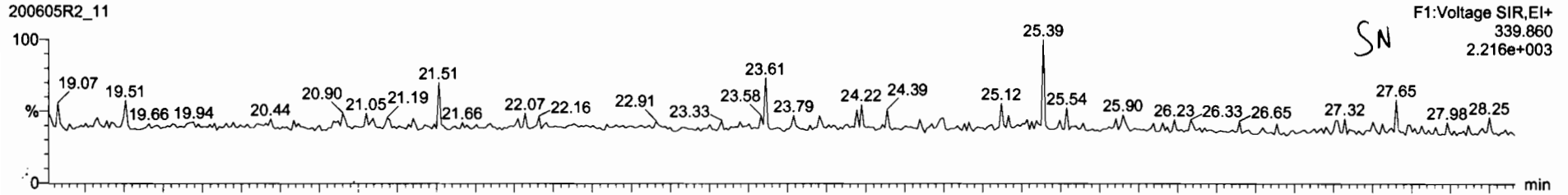
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

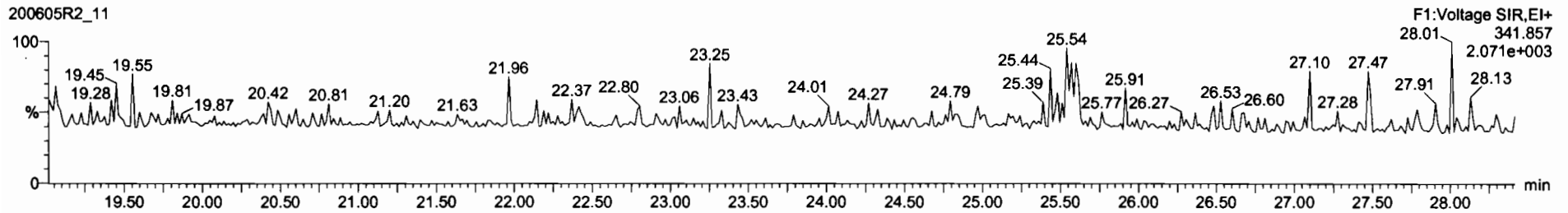
Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

1st Func. Penta-Furans

200605R2_11

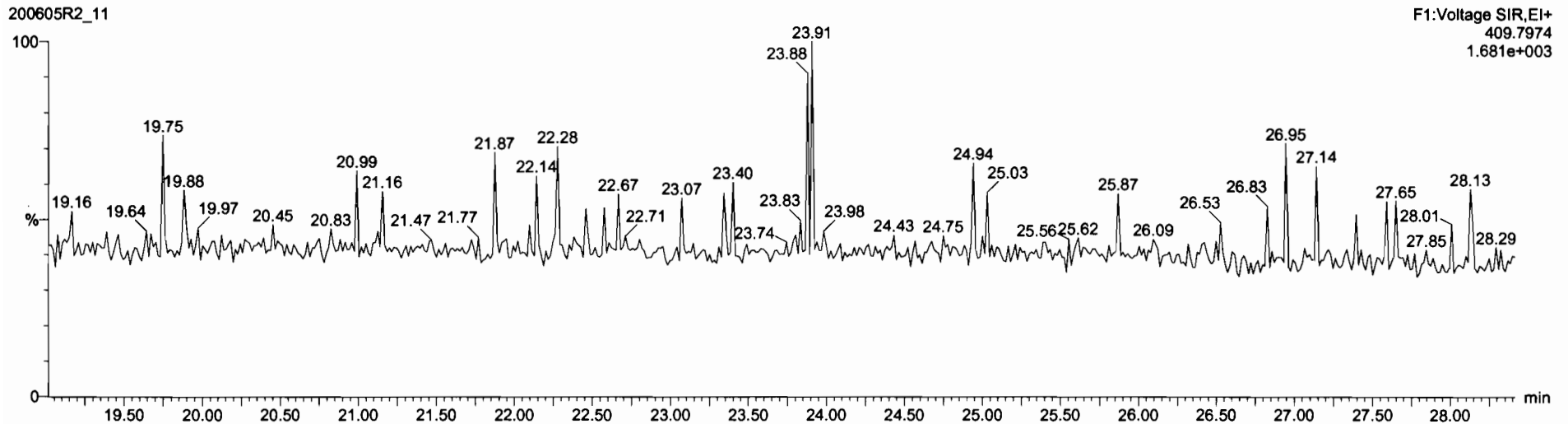


200605R2_11



DPE6

200605R2_11



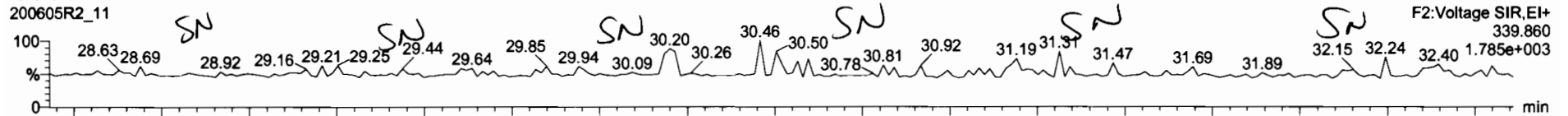
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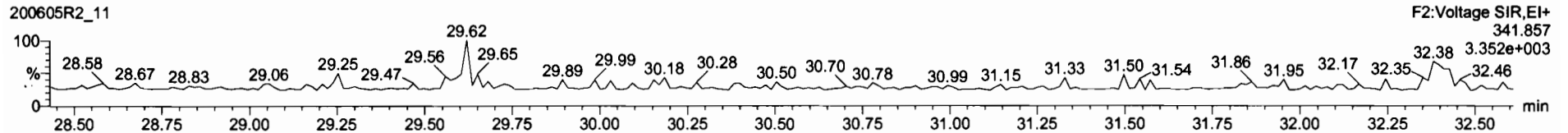
Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

1,2,3,7,8-PeCDF

200605R2_11

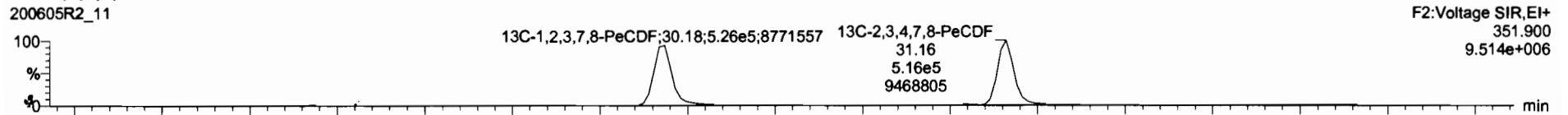


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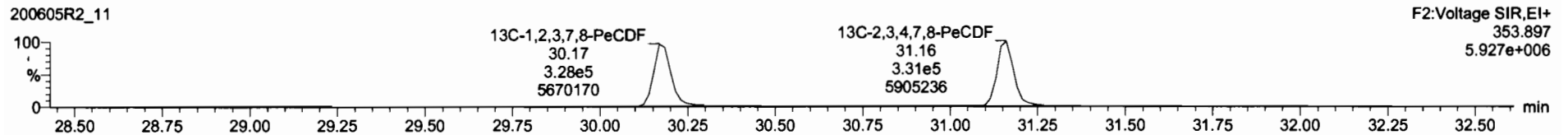


13C-1,2,3,7,8-PeCDF

200605R2_11

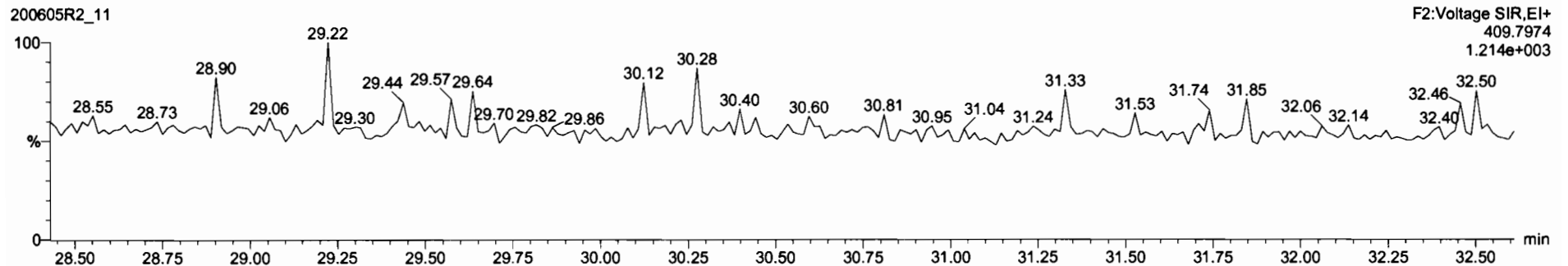


200605R2_11



DPE2

200605R2_11

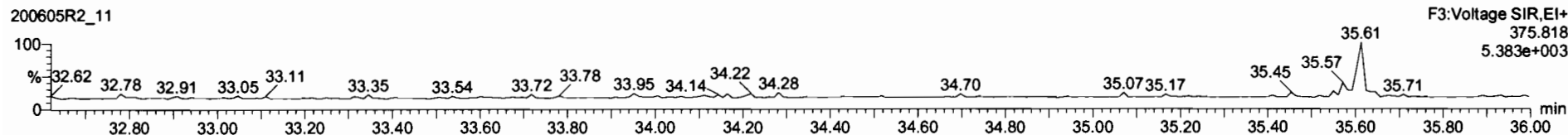
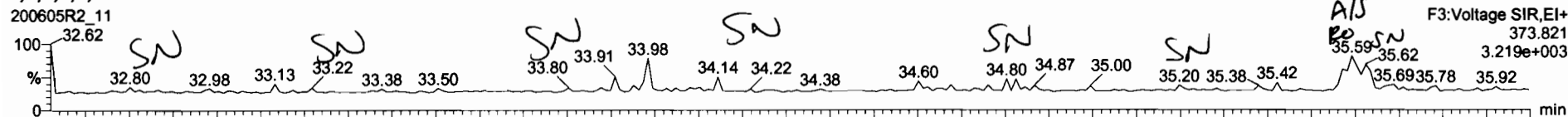


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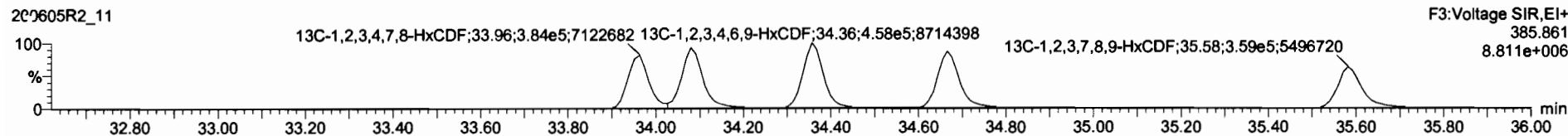
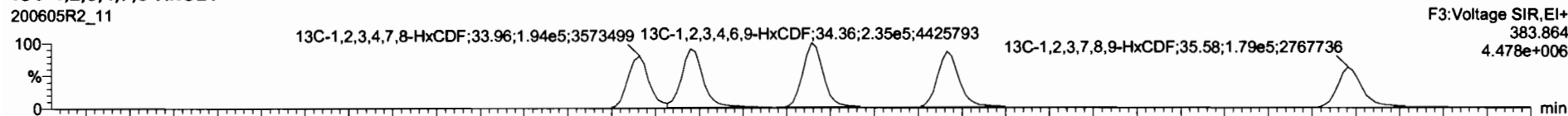
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
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Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429

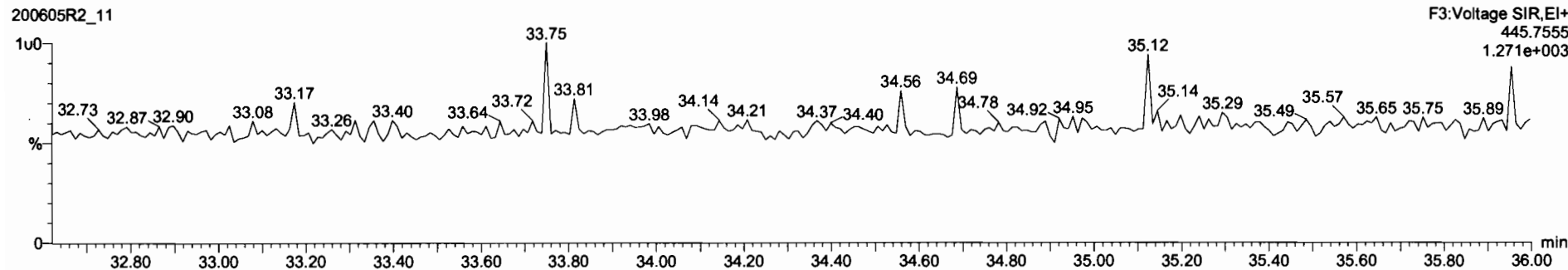
1,2,3,4,7,8-HxCDF

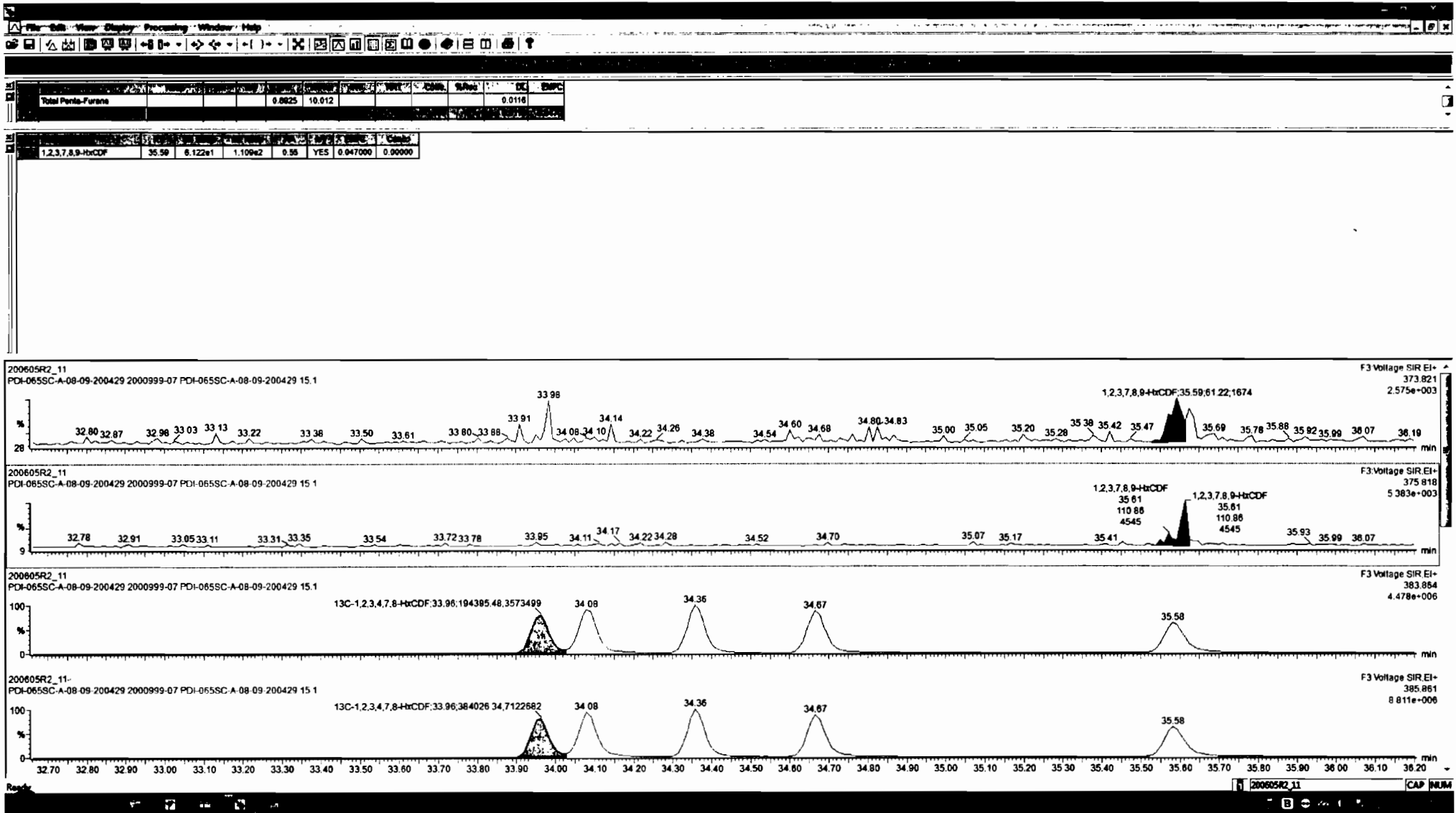


13C-1,2,3,4,7,8-HxCDF



DPE3



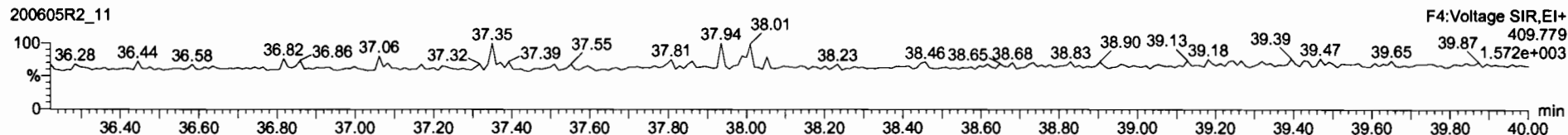
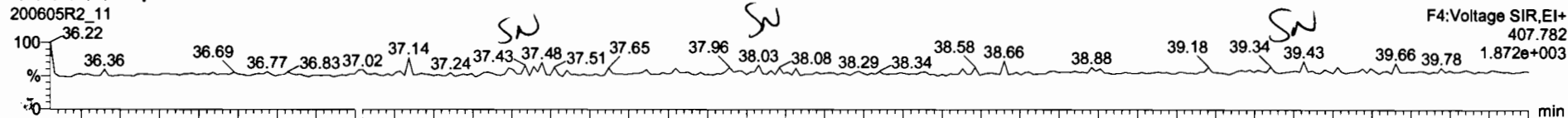


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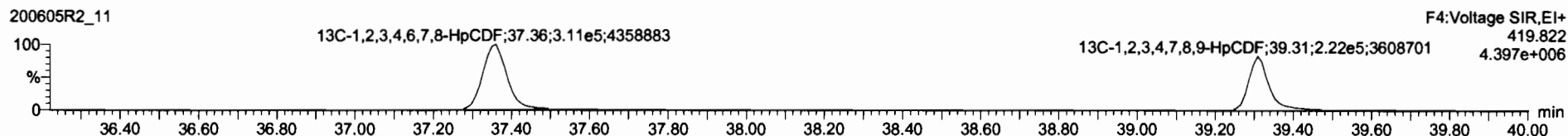
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

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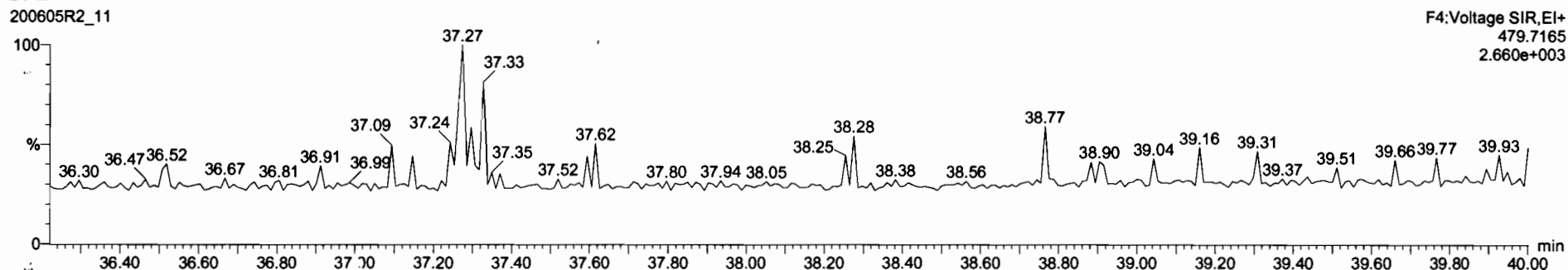
1,2,3,4,6,7,8-HpCDF



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



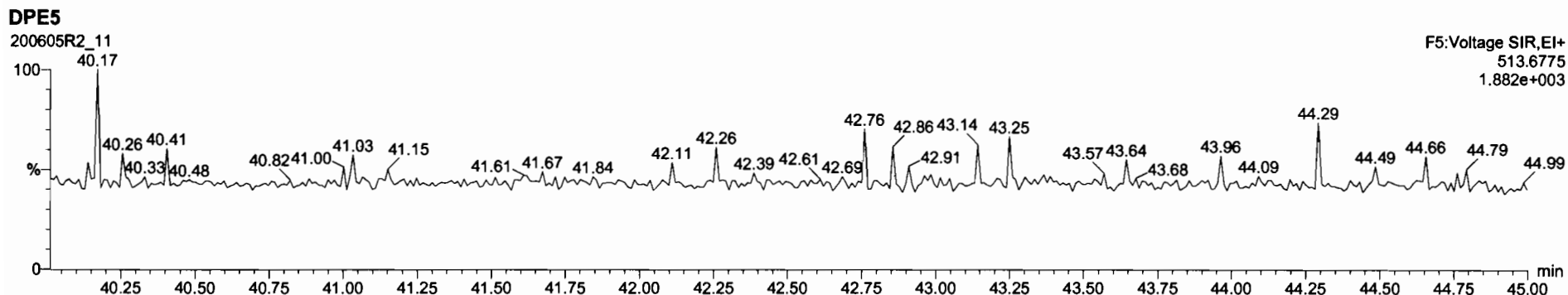
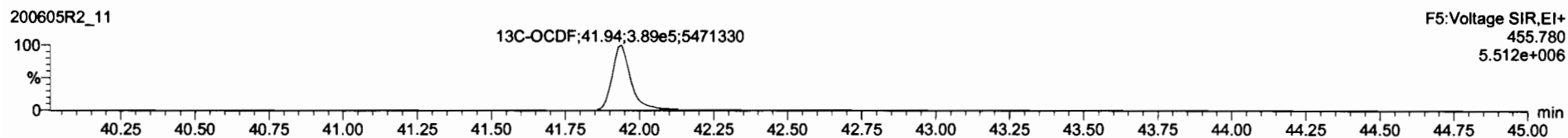
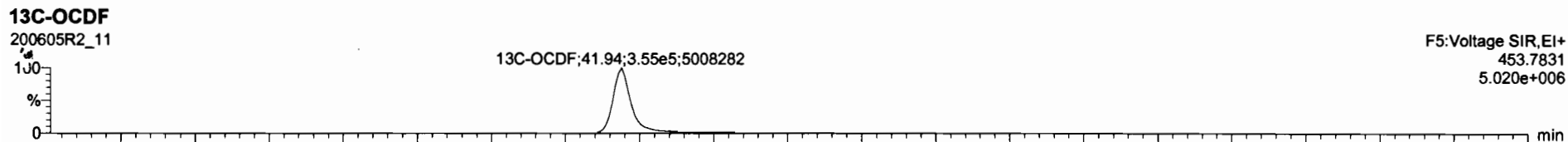
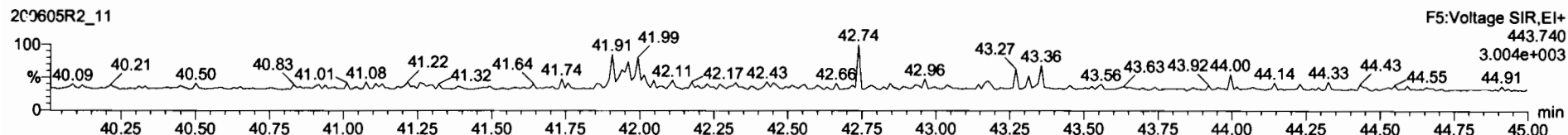
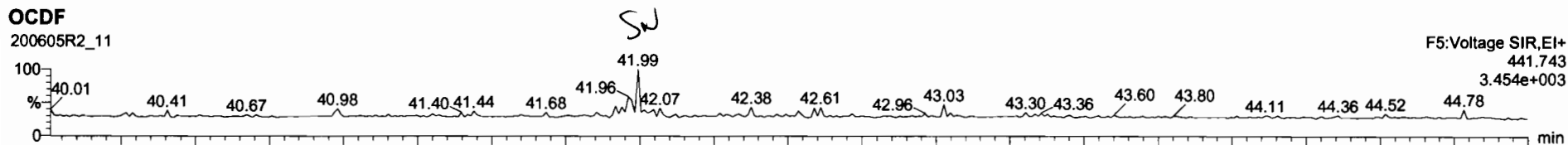
DPE4



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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

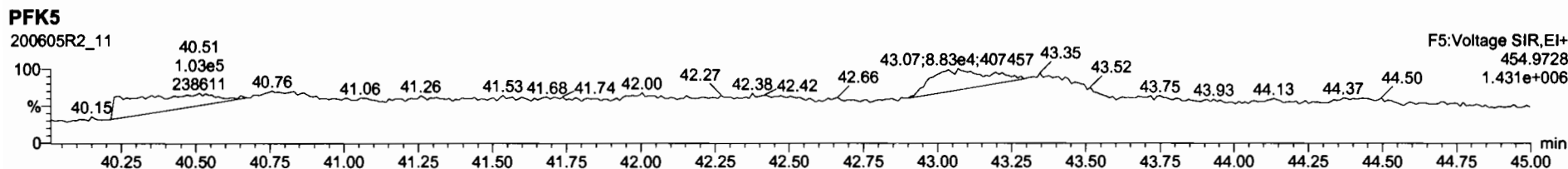
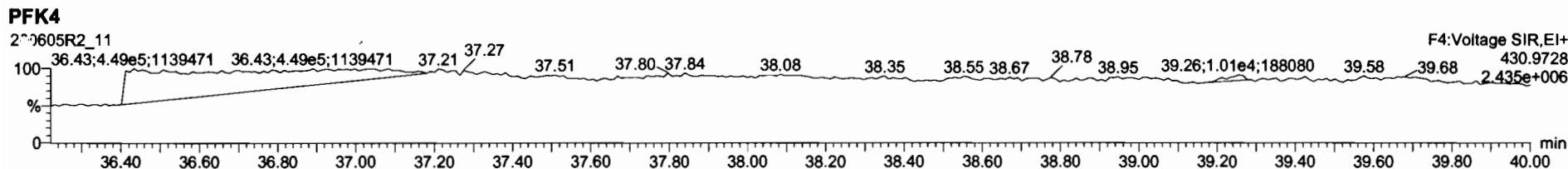
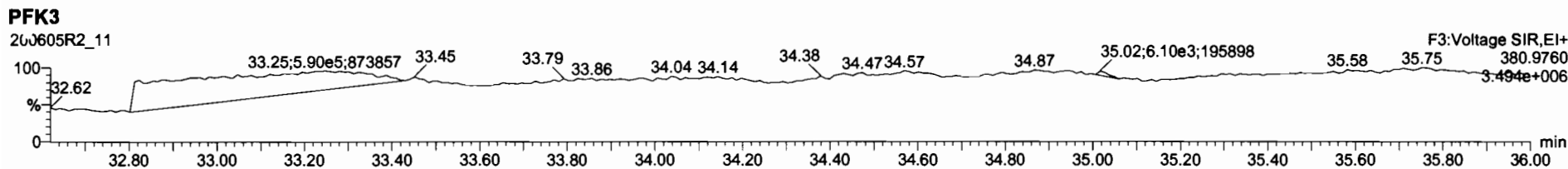
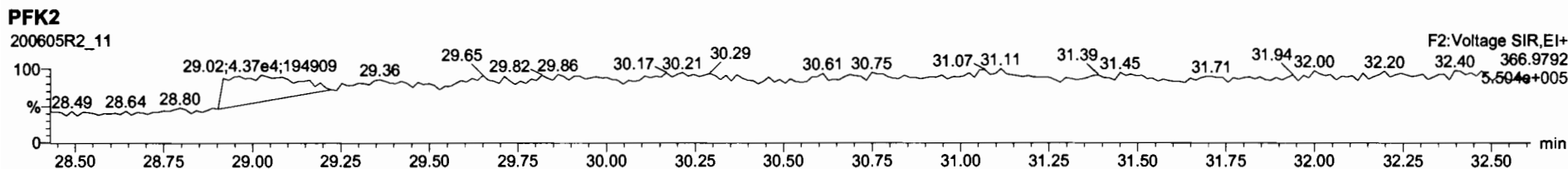
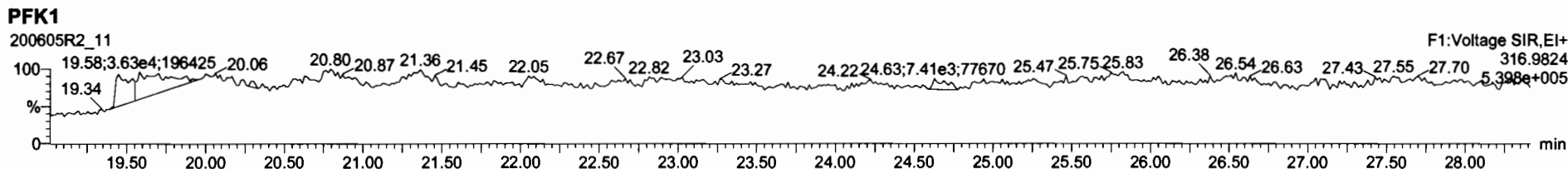
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Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_11, Date: 06-Jun-2020, Time: 06:04:56, ID: 2000999-07 PDI-065SC-A-08-09-200429 15.1, Description: PDI-065SC-A-08-09-200429



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-12.qld

Last Altered: Monday, June 08, 2020 15:26:40 Pacific Daylight Time

Printed: Monday, June 08, 2020 15:27:22 Pacific Daylight Time

GRB 06/08/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

CT 06/09/2020

Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

Peak	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	Area
1	2,3,7,8-TCDD			NO	0.888	10.028	26.515		1.001				0.0661
2	1,2,3,7,8-PeCDD	4.29e2	0.73	YES	0.908	10.028	31.473	31.45	1.001	1.000	0.16499		0.0849 0.156
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.028	34.835		1.000				0.167
4	1,2,3,6,7,8-HxCDD	1.11e3	1.08	NO	0.892	10.028	34.921	34.94	1.000	1.001	0.56201		0.171 0.562
5	1,2,3,7,8,9-HxCDD	4.07e2	1.26	NO	0.887	10.028	35.220	35.21	1.000	1.000	0.25044		0.207 0.250
6	1,2,3,4,6,7,8-HpCDD	2.78e4	0.99	NO	0.864	10.028	38.757	38.76	1.000	1.000	28.531		0.541 28.5
7	OCDD	2.14e5	0.86	NO	0.914	10.028	41.716	41.73	1.000	1.000	409.91		0.988 410
8	2,3,7,8-TCDF	1.32e3	0.74	NO	0.751	10.028	25.612	25.62	1.001	1.001	0.32838		0.0907 0.328
9	1,2,3,7,8-PeCDF	9.59e2	1.67	NO	0.893	10.028	30.175	30.17	1.001	1.000	0.24676		0.158 0.247
10	2,3,4,7,8-PeCDF	2.35e3	1.47	NO	0.935	10.028	31.176	31.19	1.001	1.001	0.61556		0.149 0.616
11	1,2,3,4,7,8-HxCDF	1.13e3	1.27	NO	0.884	10.028	33.941	33.97	1.000	1.001	0.55684		0.177 0.557
12	1,2,3,6,7,8-HxCDF	7.47e2	1.10	NO	0.889	10.028	34.068	34.08	1.000	1.001	0.31628		0.168 0.316
13	2,3,4,6,7,8-HxCDF	9.64e2	1.06	NO	0.934	10.028	34.690	34.67	1.001	1.000	0.48446		0.193 0.484
14	1,2,3,7,8,9-HxCDF			NO	0.871	10.028	35.560		1.000				0.277
15	1,2,3,4,6,7,8-HpCDF	1.02e4	0.97	NO	0.873	10.028	37.365	37.35	1.001	1.001	8.6616		0.167 8.66
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.028	39.288		1.000				0.186
17	OCDF	4.54e3	0.92	NO	0.806	10.028	41.908	41.92	1.000	1.000	7.2266		0.227 7.23
18	13C-2,3,7,8-TCDD	8.47e5	0.78	NO	1.16	10.028	26.507	26.48	1.026	1.025	178.42	89.5	0.224
19	13C-1,2,3,7,8-PeCDD	5.71e5	0.62	NO	0.849	10.028	31.692	31.45	1.227	1.218	163.78	82.1	0.426
20	13C-1,2,3,4,7,8-HxCDD	3.55e5	1.30	NO	0.779	10.028	34.830	34.83	1.014	1.014	137.28	68.8	0.433
21	13C-1,2,3,6,7,8-HxCDD	4.42e5	1.27	NO	1.02	10.028	34.944	34.92	1.017	1.017	130.74	65.6	0.332
22	13C-1,2,3,7,8,9-HxCDD	3.65e5	1.24	NO	0.903	10.028	35.215	35.21	1.025	1.025	121.82	61.1	0.374
23	13C-1,2,3,4,6,7,8-HpCDD	2.25e5	1.04	NO	0.689	10.028	38.739	38.74	1.128	1.128	98.348	49.3	0.393
24	13C-OCDD	2.28e5	0.91	NO	0.652	10.028	41.761	41.72	1.216	1.215	105.26	26.4	0.333
25	13C-2,3,7,8-TCDF	1.06e6	0.78	NO	1.06	10.028	25.549	25.59	0.989	0.991	172.30	86.4	0.247
26	13C-1,2,3,7,8-PeCDF	8.69e5	1.56	NO	0.838	10.028	30.076	30.15	1.165	1.168	177.78	89.1	0.490
27	13C-2,3,4,7,8-PeCDF	8.13e5	1.60	NO	0.817	10.028	31.029	31.15	1.202	1.206	170.72	85.6	0.503
28	13C-1,2,3,4,7,8-HxCDF	4.59e5	0.50	NO	1.01	10.028	33.961	33.94	0.989	0.988	137.16	68.8	0.580
29	13C-1,2,3,6,7,8-HxCDF	5.30e5	0.51	NO	1.17	10.028	34.085	34.06	0.992	0.992	136.57	68.5	0.501
30	13C-2,3,4,6,7,8-HxCDF	4.25e5	0.51	NO	1.02	10.028	34.659	34.65	1.009	1.009	125.16	62.8	0.572
31	13C-1,2,3,7,8,9-HxCDF	3.68e5	0.51	NO	0.860	10.028	35.558	35.56	1.035	1.035	128.77	64.6	0.680

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-12.qld

Last Altered: Monday, June 08, 2020 15:26:40 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:27:22 Pacific Daylight Time

Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

#	Name	Resp	RA	n/y	RRF	w/vol	Pre RT	RT	Area	Height	Area	Height	Area	Height
32	13C-1,2,3,4,6,7,8-HpCDF	2.69e5	0.42	NO	0.774	10.028	37.307	37.33	1.086	1.087	104.54	52.4	0.350	
33	13C-1,2,3,4,7,8,9-HpCDF	1.82e5	0.42	NO	0.521	10.028	39.336	39.29	1.145	1.144	105.32	52.8	0.520	
34	13C-OCDF	3.11e5	0.84	NO	0.746	10.028	41.933	41.91	1.221	1.220	125.51	31.5	0.304	
35	37Cl-2,3,7,8-TCDD	3.06e5			1.04	10.028	26.538	26.50	1.028	1.026	71.861	90.1	0.0492	
36	13C-1,2,3,4-TCDD	8.19e5	0.79	NO	1.00	10.028	25.890	25.83	1.000	1.000	199.45	100	0.259	
37	13C-1,2,3,4-TCDF	1.16e6	0.79	NO	1.00	10.028	24.360	24.13	1.000	1.000	199.45	100	0.262	
38	13C-1,2,3,4,6,9-HxCDF	6.63e5	0.51	NO	1.00	10.028	34.420	34.35	1.000	1.000	199.45	100	0.585	
39	Total Tetra-Dioxins				0.888	10.028	24.620		0.000		0.73137		0.0661	0.838
40	Total Penta-Dioxins				0.908	10.028	29.960		0.000		0.56896		0.0849	2.05
41	Total Hexa-Dioxins				0.892	10.028	33.635		0.000		8.5726		0.189	8.57
42	Total Hepta-Dioxins				0.864	10.028	37.640		0.000		77.712		0.541	77.7
43	Total Tetra-Furans				0.751	10.028	23.610		0.000		5.1025		0.0907	5.10
44	1st Func. Penta-Furans				0.893	10.028	27.580		0.000		3.7328		0.0180	3.73
45	Total Penta-Furans				0.893	10.028	29.275		0.000		3.6933		0.157	3.80
46	Total Hexa-Furans				0.934	10.028	33.555		0.000		9.2423		0.190	9.24
47	Total Hepta-Furans				0.873	10.028	37.835		0.000		19.120		0.186	19.1

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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-12.qld

Last Altered: Monday, June 08, 2020 15:26:40 Pacific Daylight Time

Printed: Monday, June 08, 2020 15:27:22 Pacific Daylight Time

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Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.50	3.169e3	4.319e3	3.261e2	3.707e2	0.88	NO	6.968e2	0.18461	0.18461	0.0661
Total Tetra-Dioxins	22.92	3.233e3	5.826e3	3.125e2	3.782e2	0.83	NO	6.907e2	0.18300	0.18300	0.0661
Total Tetra-Dioxins	23.40	2.054e3	1.762e3	9.704e1	1.279e2	0.76	NO	2.249e2	0.059586	0.059586	0.0661
Total Tetra-Dioxins	24.36	3.352e3	3.748e3	2.194e2	2.283e2	0.96	YES	0.000e0	0.00000	0.10706	0.0661
Total Tetra-Dioxins	24.58	3.431e3	3.896e3	2.796e2	3.399e2	0.82	NO	6.194e2	0.16411	0.16411	0.0661
Total Tetra-Dioxins	24.79	3.430e3	4.059e3	2.282e2	3.005e2	0.76	NO	5.286e2	0.14006	0.14006	0.0661

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.24	1.047e4	1.413e4	7.454e2	9.479e2	0.79	YES	0.000e0	0.00000	0.59418	0.0849
Total Penta-Dioxins	29.71	3.812e3	4.628e3	1.428e2	2.236e2	0.64	NO	3.664e2	0.14091	0.14091	0.0849
Total Penta-Dioxins	30.20	5.919e3	1.019e4	5.267e2	6.777e2	0.78	YES	0.000e0	0.00000	0.42482	0.0849
Total Penta-Dioxins	30.38	7.138e3	8.094e3	2.442e2	4.409e2	0.55	NO	6.851e2	0.26347	0.26347	0.0849
Total Penta-Dioxins	30.47	4.312e3	5.221e3	1.604e2	2.675e2	0.60	NO	4.280e2	0.16458	0.16458	0.0849
Total Penta-Dioxins	30.69	3.693e3	5.631e3	1.486e2	2.134e2	0.70	NO	0.000e0	0.00000	0.13920	0.0849
Total Penta-Dioxins	30.73	2.962e3	4.246e3	1.169e2	2.275e2	0.51	YES	0.000e0	0.00000	0.11636	0.0849
1,2,3,7,8-PeCDD	31.45	5.762e3	5.363e3	1.807e2	2.483e2	0.73	YES	4.290e2	0.00000	0.15565	0.0849
Total Penta-Dioxins	31.57	3.132e3	2.114e3	8.811e1	8.216e1	1.07	YES	0.000e0	0.00000	0.051503	0.0849

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.32	7.262e4	5.686e4	3.722e3	3.000e3	1.24	NO	6.722e3	3.8769	3.8769	0.189
Total Hexa-Dioxins	33.87	9.342e3	8.816e3	5.587e2	4.095e2	1.36	NO	9.682e2	0.55842	0.55842	0.189
Total Hexa-Dioxins	34.14	4.416e4	4.133e4	3.160e3	2.605e3	1.21	NO	5.765e3	3.3248	3.3248	0.189
1,2,3,6,7,8-HxCDD	34.94	1.265e4	1.001e4	5.780e2	5.328e2	1.08	NO	1.111e3	0.56201	0.56201	0.171
1,2,3,7,8,9-HxCDD	35.21	5.798e3	4.022e3	2.270e2	1.800e2	1.26	NO	4.070e2	0.25044	0.25044	0.207

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-12.qld

Last Altered: Monday, June 08, 2020 15:26:40 Pacific Daylight Time

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Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.74	3.384e5	3.425e5	2.401e4	2.397e4	1.00	NO	4.799e4	49.182	49.182	0.541
1,2,3,4,6,7,8-HpCDD	38.76	2.353e5	2.227e5	1.386e4	1.397e4	0.99	NO	2.784e4	28.531	28.531	0.541

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Tetra-Furans	20.87	4.473e3	8.079e3	4.401e2	6.078e2	0.72	NO	1.048e3	0.26156	0.26156	0.0907
Total Tetra-Furans	21.50	2.912e4	4.653e4	2.566e3	3.413e3	0.75	NO	5.978e3	1.4923	1.4923	0.0907
Total Tetra-Furans	21.93	3.304e3	3.946e3	5.346e2	6.374e2	0.84	NO	1.172e3	0.29256	0.29256	0.0907
Total Tetra-Furans	22.44	1.085e4	1.312e4	1.120e3	1.274e3	0.88	NO	2.393e3	0.59741	0.59741	0.0907
Total Tetra-Furans	22.97	1.061e4	1.337e4	1.109e3	1.415e3	0.78	NO	2.524e3	0.63004	0.63004	0.0907
Total Tetra-Furans	23.88	3.754e3	3.647e3	2.064e2	2.403e2	0.86	NO	4.467e2	0.1115C	0.1115C	0.0907
Total Tetra-Furans	24.04	1.266e4	1.601e4	9.574e2	1.400e3	0.68	NO	2.357e3	0.58841	0.58841	0.0907
Total Tetra-Furans	24.15	3.325e3	4.486e3	2.592e2	3.662e2	0.71	NO	6.254e2	0.15610	0.15610	0.0907
Total Tetra-Furans	24.66	9.180e3	1.036e4	6.723e2	9.150e2	0.73	NO	1.587e3	0.39623	0.39623	0.0907
2,3,7,8-TCDF	25.62	1.133e4	1.132e4	5.582e2	7.573e2	0.74	NO	1.316e3	0.32838	0.32838	0.0907
Total Tetra-Furans	27.61	8.626e3	9.061e3	4.248e2	5.687e2	0.75	NO	9.935e2	0.24799	0.24799	0.0907

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.59	1.425e5	8.989e4	8.607e3	5.438e3	1.58	NO	1.404e4	3.7328	3.7328	0.0180

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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-12.qld

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Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Cond	EMPC	DL
Total Penta-Furans	29.04	6.487e3	5.428e3	3.771e2	2.806e2	1.34	NO	6.577e2	0.17480	0.17480	0.157
Total Penta-Furans	29.18	4.470e4	3.042e4	3.339e3	2.085e3	1.60	NO	5.423e3	1.4414	1.4414	0.157
Total Penta-Furans	29.77	3.077e4	2.676e4	1.948e3	1.434e3	1.36	NO	3.382e3	0.89877	0.89877	0.157
1,2,3,7,8-PeCDF	30.17	9.445e3	6.419e3	6.006e2	3.587e2	1.67	NO	9.593e2	0.24676	0.24676	0.158
Total Penta-Furans	30.44	1.105e4	8.066e3	6.931e2	4.956e2	1.40	NO	1.189e3	0.31593	0.31593	0.157
2,3,4,7,8-PeCDF	31.19	2.644e4	1.545e4	1.396e3	9.494e2	1.47	NO	2.345e3	0.61556	0.61556	0.149
Total Penta-Furans	31.21	1.711e4	1.227e4	3.196e2	1.630e2	1.96	YES	0.000e0	0.00000	0.11050	0.157

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Cond	EMPC	DL
Total Hexa-Furans	32.78	2.356e4	2.222e4	1.048e3	9.940e2	1.05	NO	2.042e3	0.97872	0.97872	0.190
Total Hexa-Furans	32.95	7.020e4	5.867e4	3.471e3	2.876e3	1.21	NO	6.347e3	3.0422	3.0422	0.190
Total Hexa-Furans	33.49	9.100e4	7.190e4	4.530e3	3.531e3	1.28	NO	8.062e3	3.8638	3.8638	0.190
1,2,3,4,7,8-HxCDF	33.97	1.022e4	1.130e4	6.342e2	4.999e2	1.27	NO	1.134e3	0.55684	0.55684	0.177
1,2,3,6,7,8-HxCDF	34.08	8.138e3	5.455e3	3.911e2	3.559e2	1.10	NO	7.469e2	0.31628	0.31628	0.168
2,3,4,6,7,8-HxCDF	34.67	1.045e4	7.869e3	4.969e2	4.675e2	1.06	NO	9.645e2	0.48446	0.48446	0.193

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Cond	EMPC	DL
1,2,3,4,6,7,8-HpCDF	37.35	7.504e4	7.618e4	5.016e3	5.191e3	0.97	NO	1.021e4	8.6616	8.6616	0.167
Total Hepta-Furans	37.96	7.115e4	7.947e4	5.116e3	5.222e3	0.98	NO	1.034e4	10.458	10.458	0.186

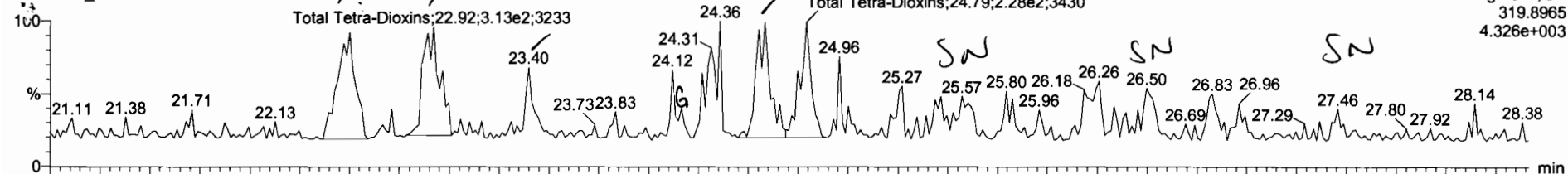
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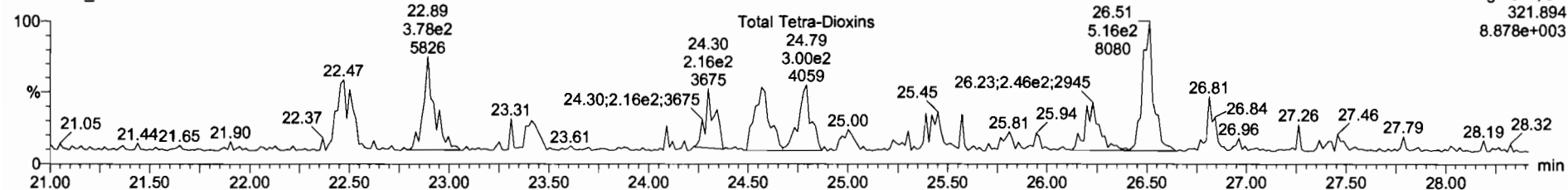
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2,3,7,8-TCDD

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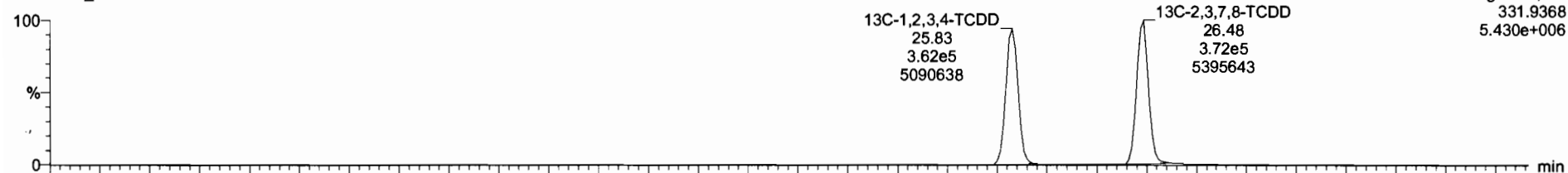


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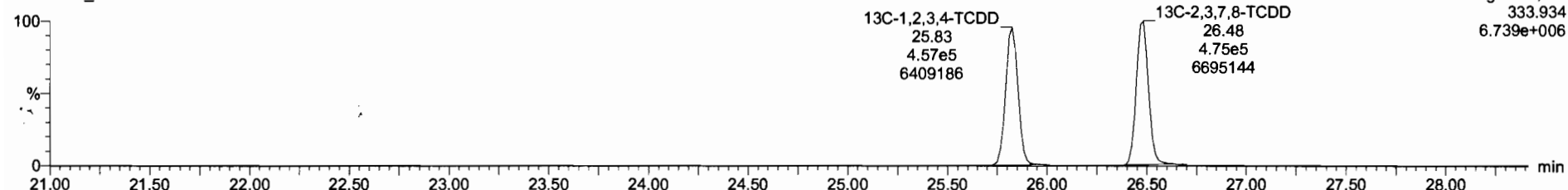


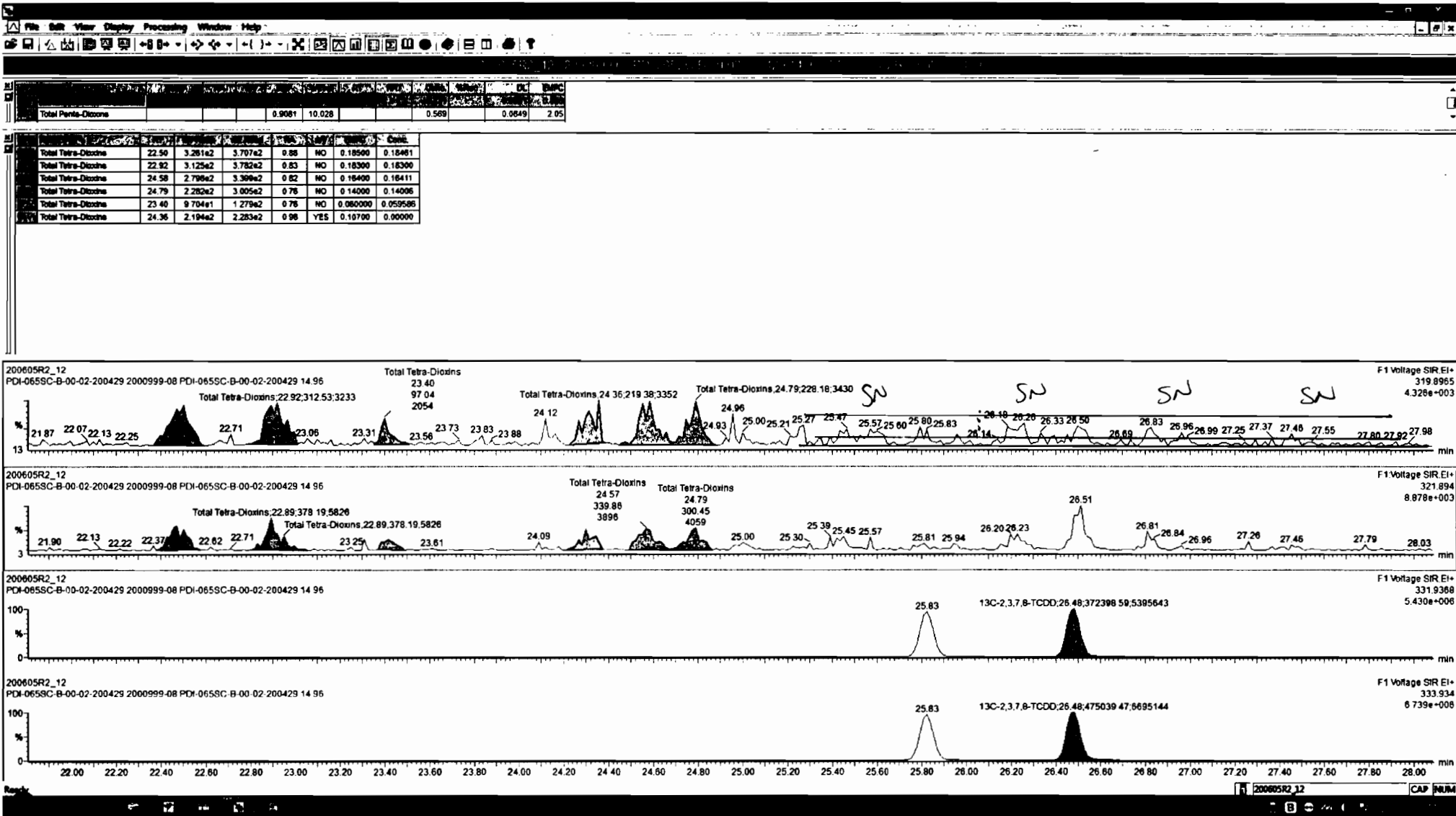
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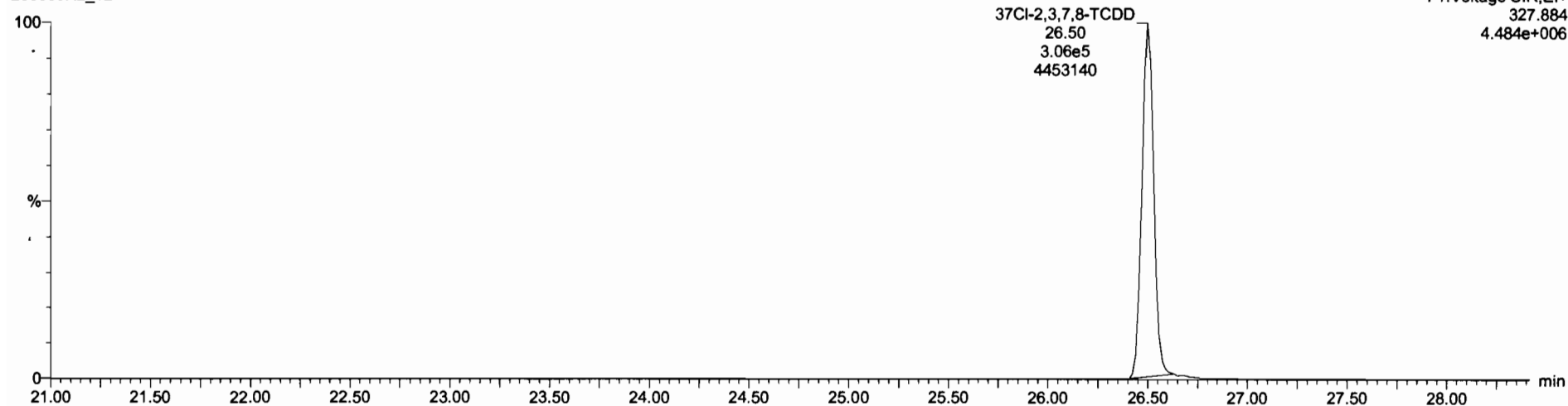
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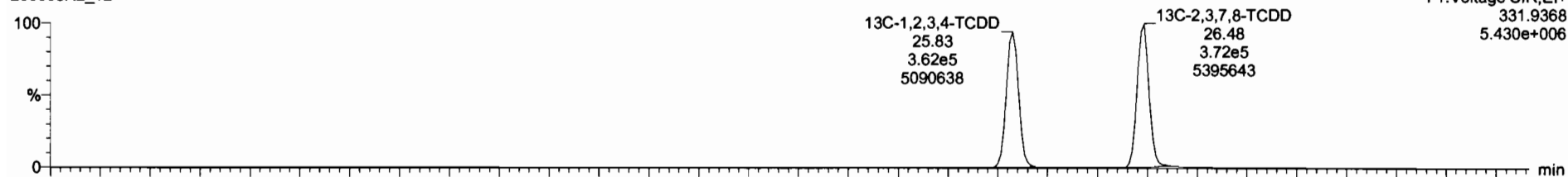
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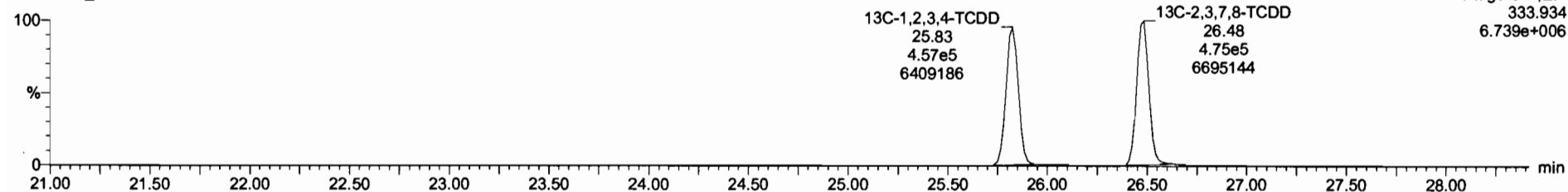


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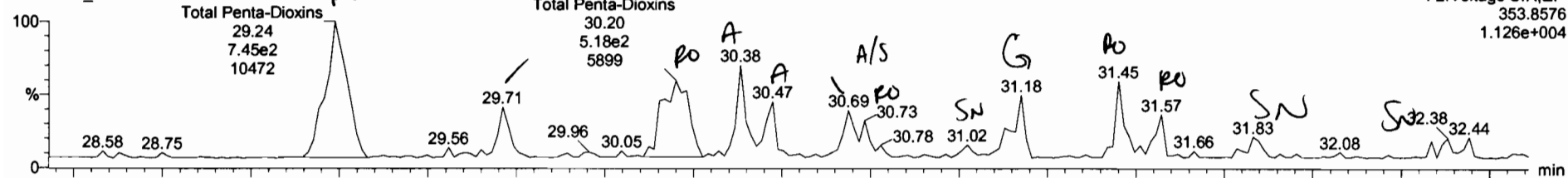
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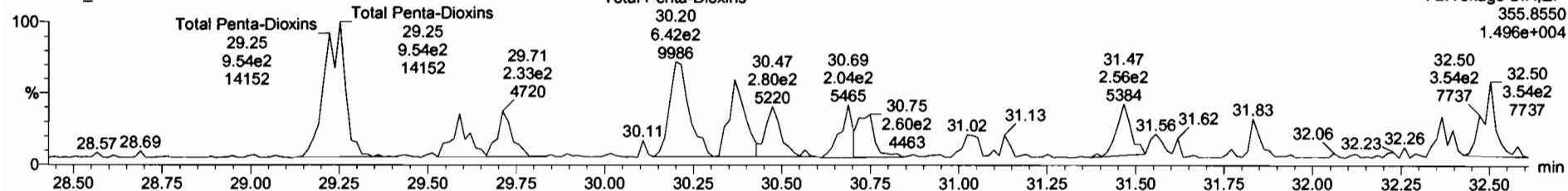
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1.126e+004

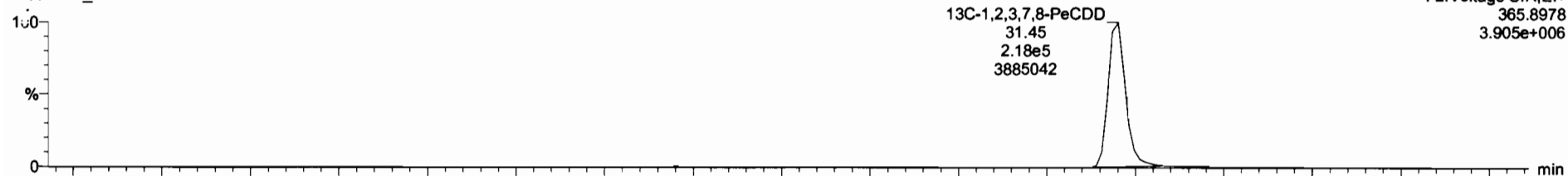
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F2:Voltage SIR,EI+
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1.496e+004

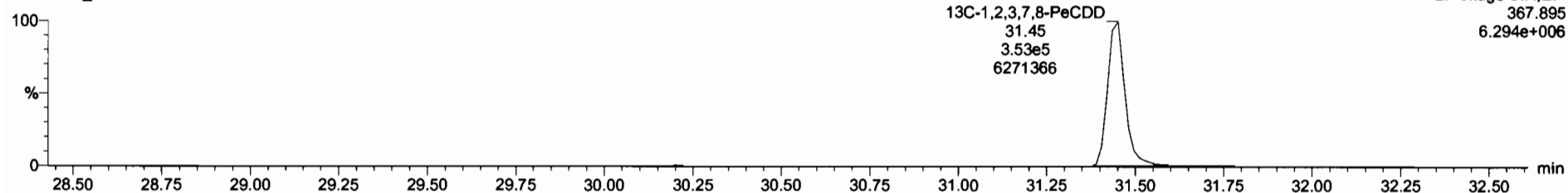
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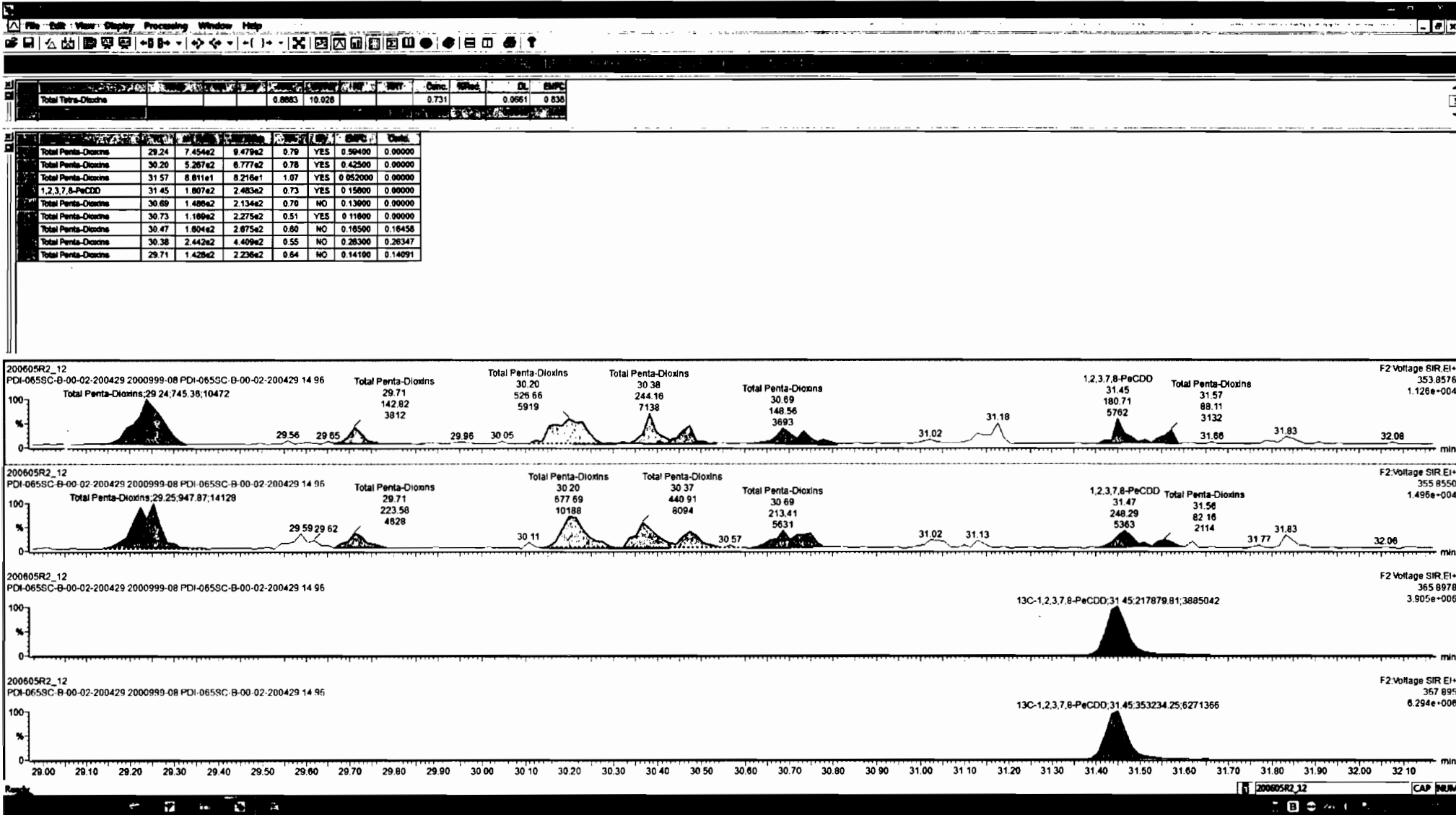


F2:Voltage SIR,EI+
365.8978
3.905e+006

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F2:Voltage SIR,EI+
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6.294e+006



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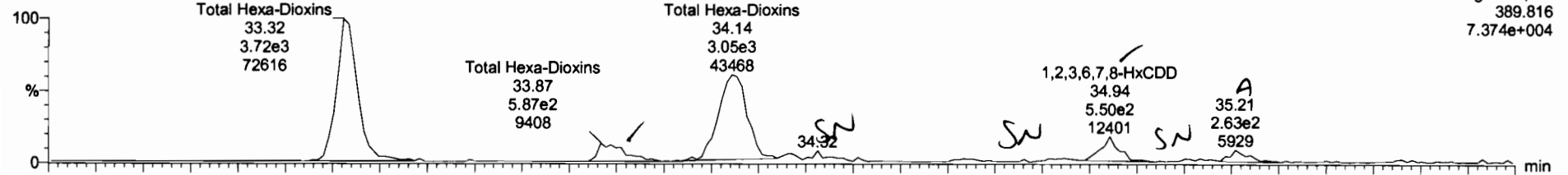
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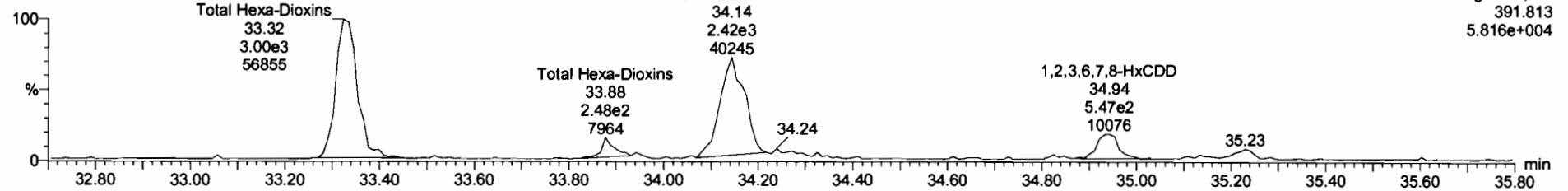
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1,2,3,4,7,8-HxCDD

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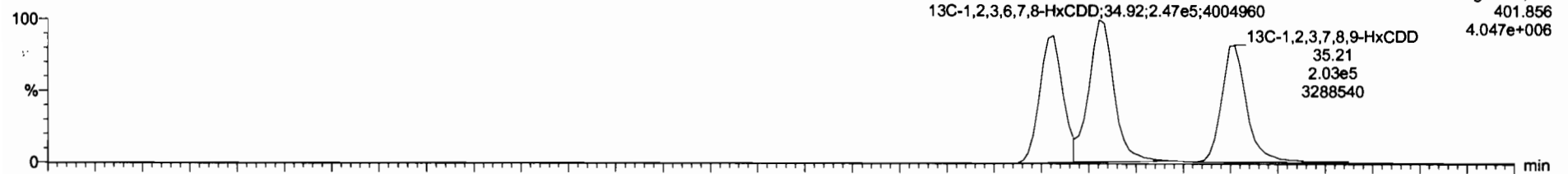


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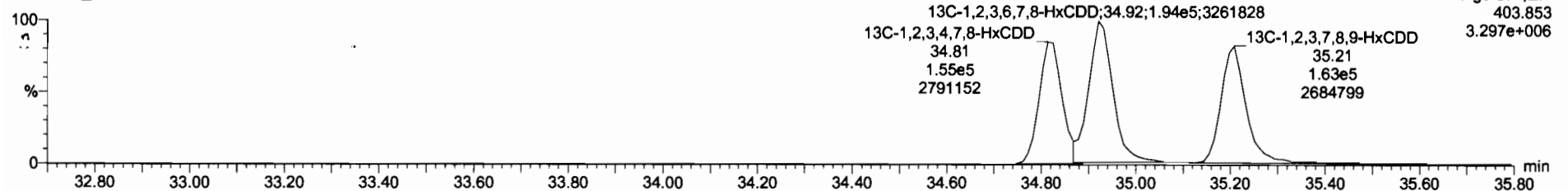


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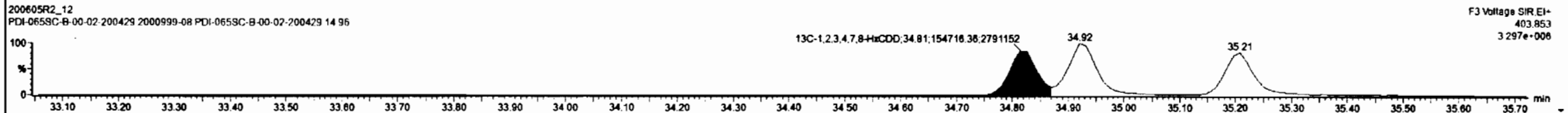
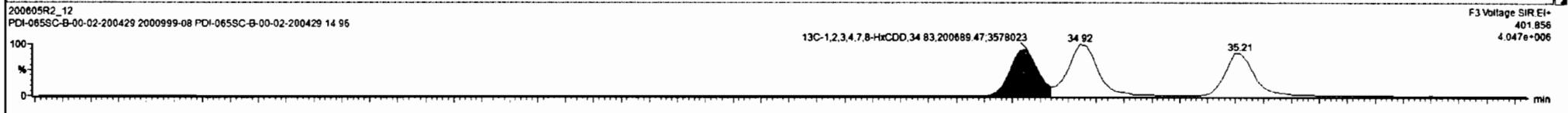
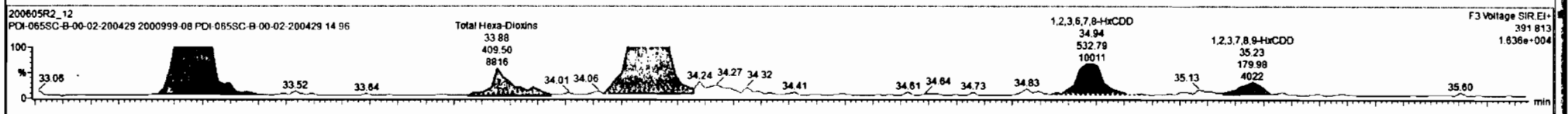
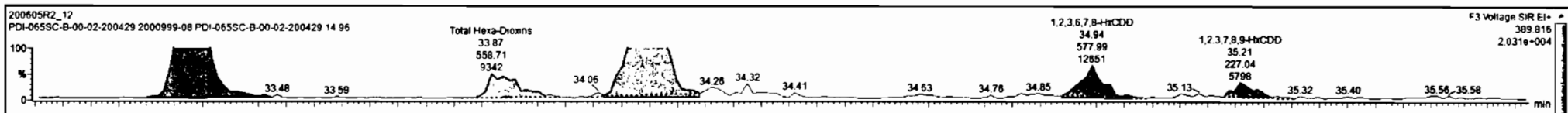


200605R2_12



Sample	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%
Total Tetra-Dioxins				0.8883	10.028					0.731	0.0661	0.838
Total Penta-Dioxins				0.9081	10.028					0.569	0.0649	2.05

Sample	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%
Total Hexa-Dioxins	33.32	3.722e3	3.000e3	1.24	NO	3.8770	3.6789					
Total Hexa-Dioxins	33.87	5.587e2	4.095e2	1.36	NO	0.55800	0.55842					
Total Hexa-Dioxins	34.14	3.180e3	2.805e3	1.21	NO	3.3250	3.3248					
1,2,3,6,7,8-HxCDD	34.94	5.780e2	5.328e2	1.09	NO	0.56200	0.56201					
1,2,3,7,8,9-HxCDD	35.21	2.270e2	1.800e2	1.26	NO	0.25000	0.25044					



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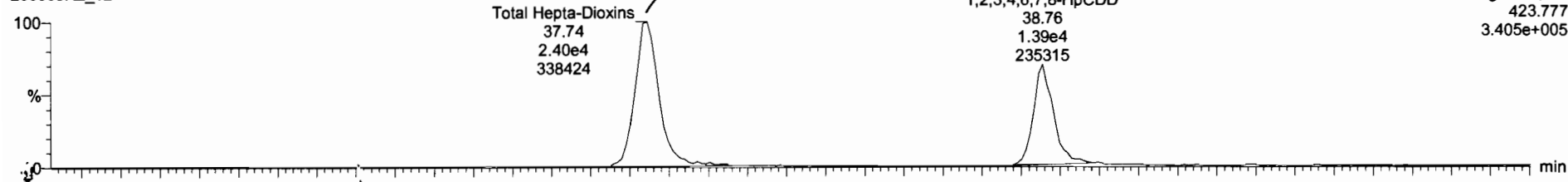
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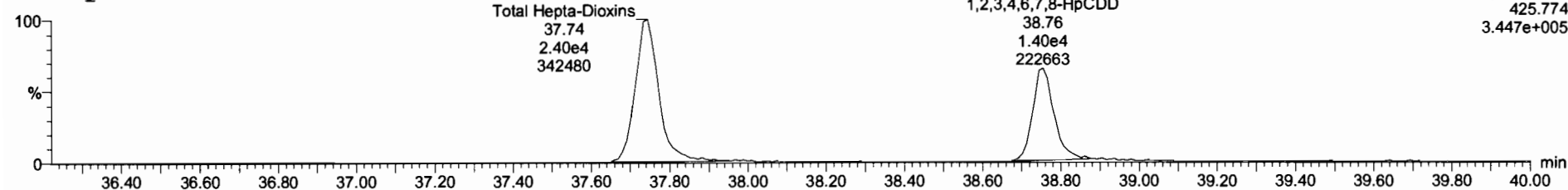
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1,2,3,4,6,7,8-HpCDD

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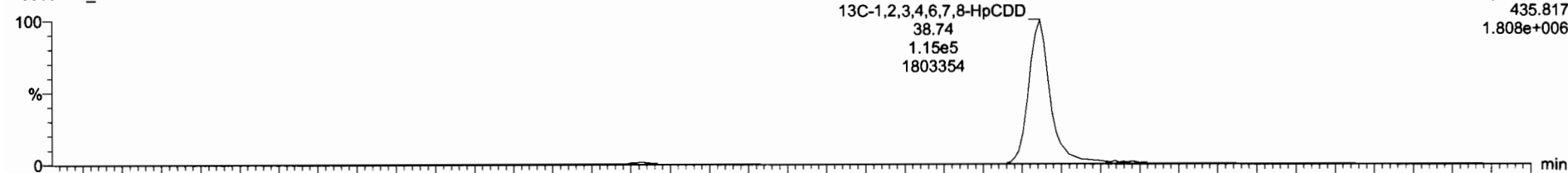


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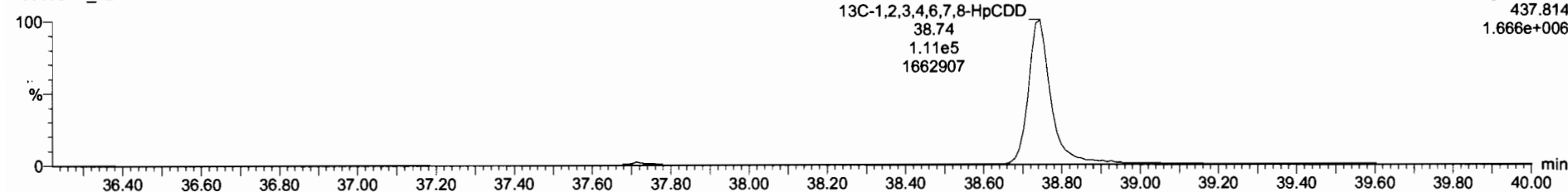


13C-1,2,3,4,6,7,8-HpCDD

200605R2_12



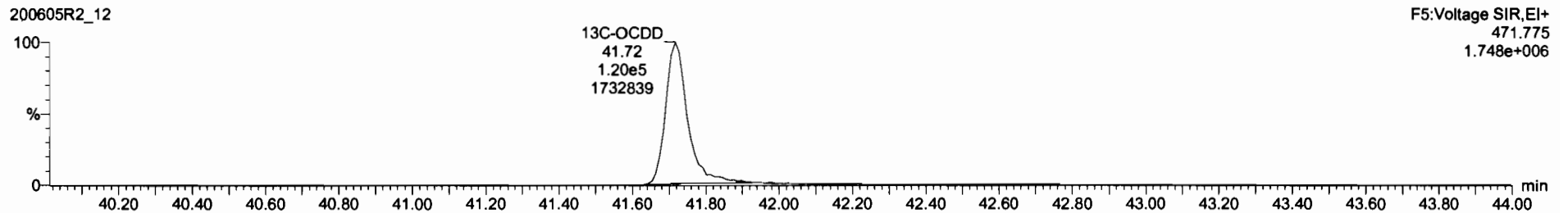
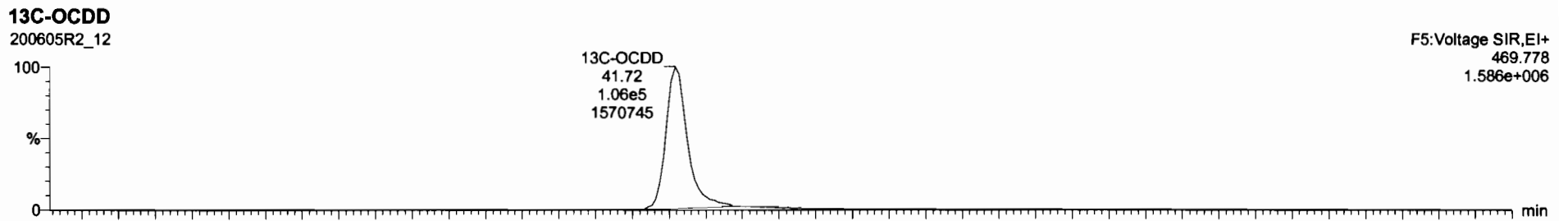
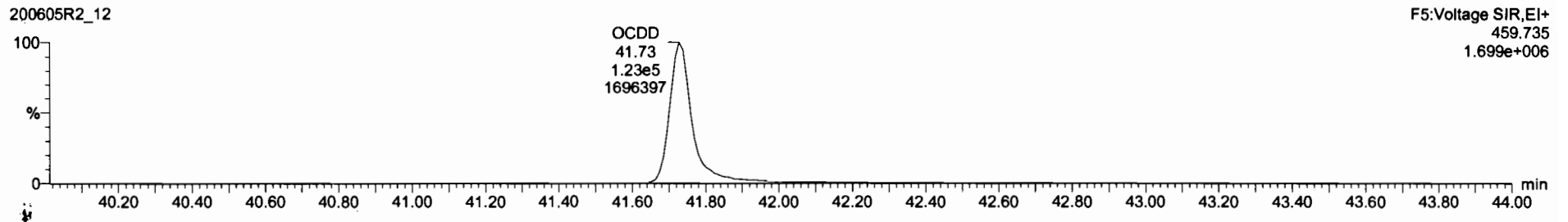
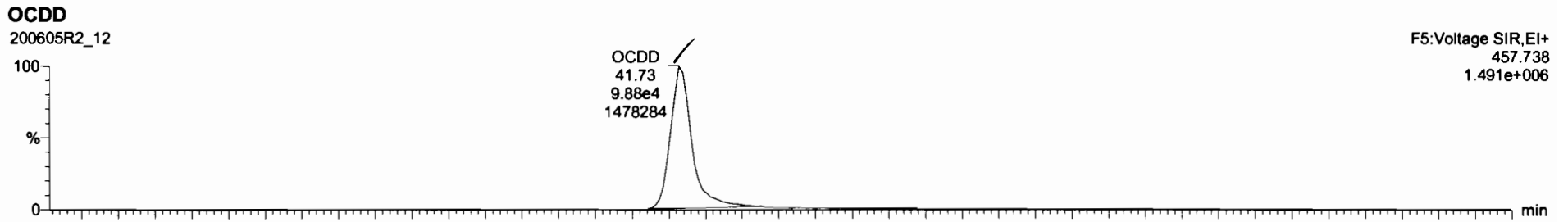
200605R2_12

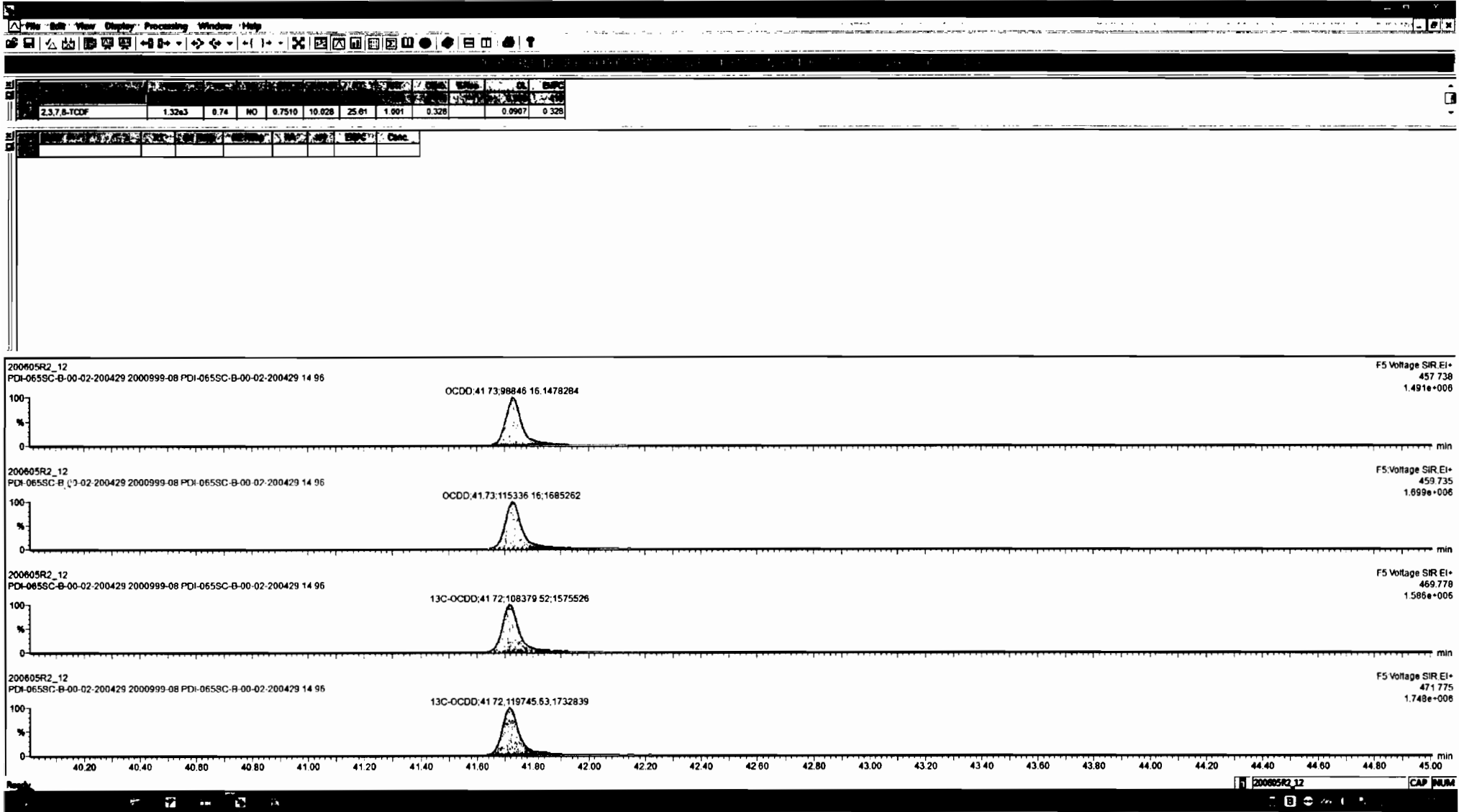


Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429



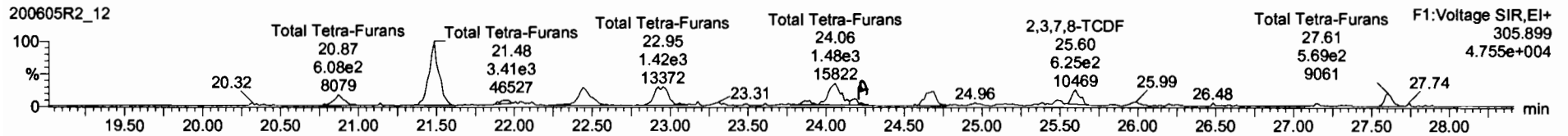
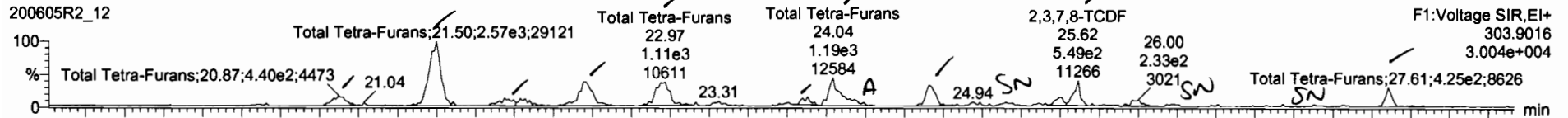


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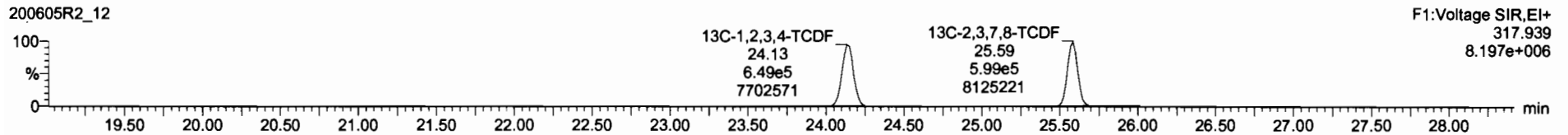
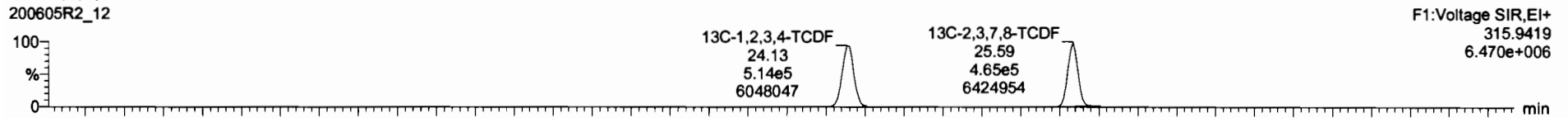
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Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

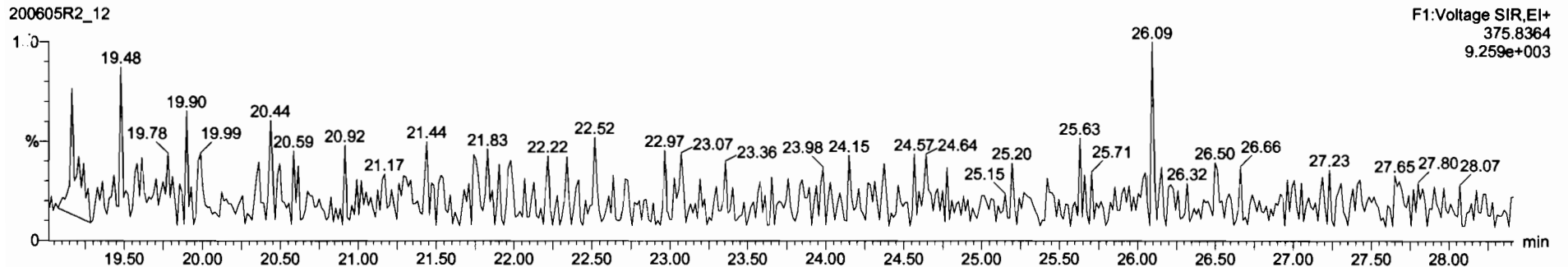
2,3,7,8-TCDF

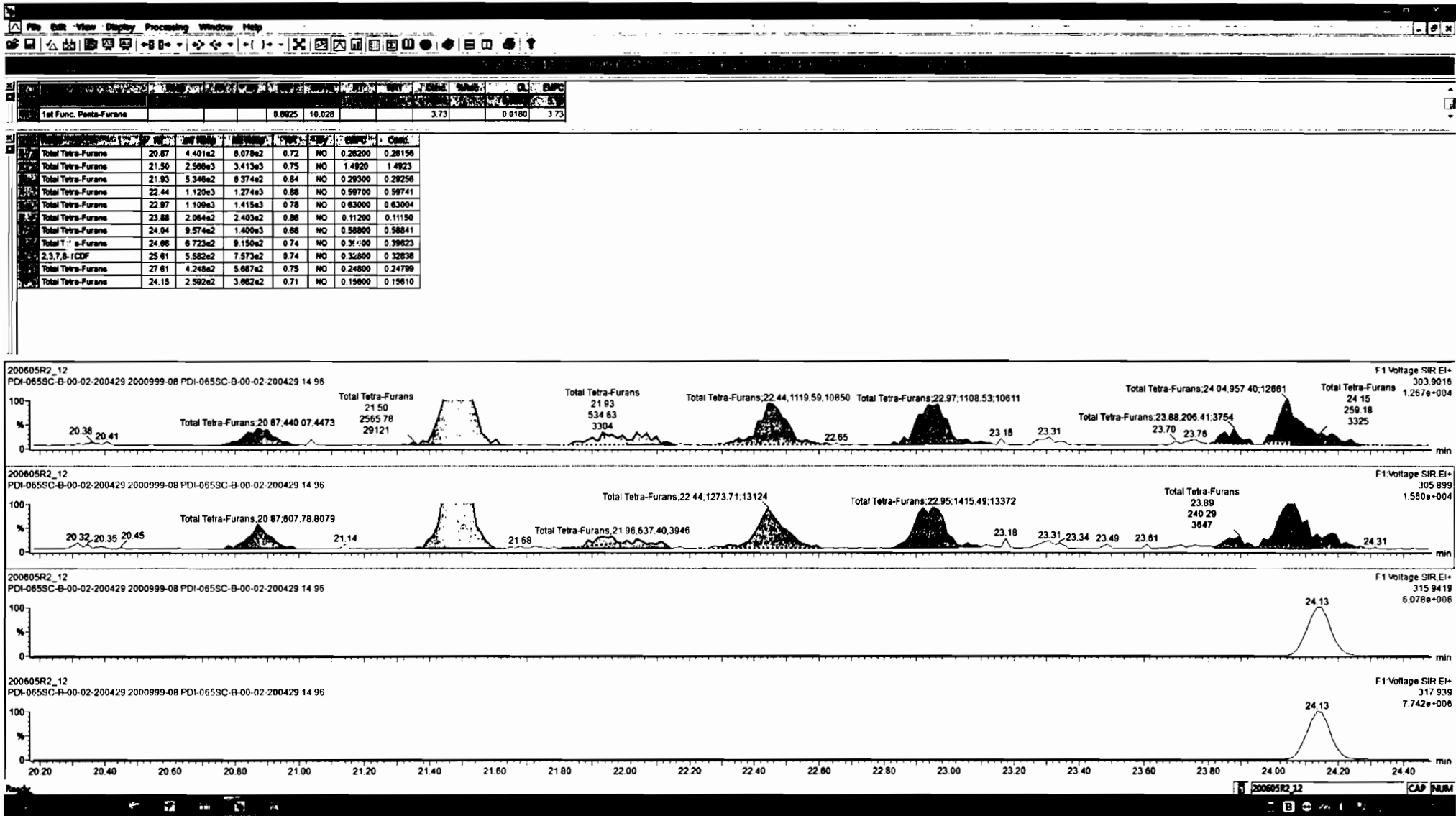


13C-2,3,7,8-TCDF



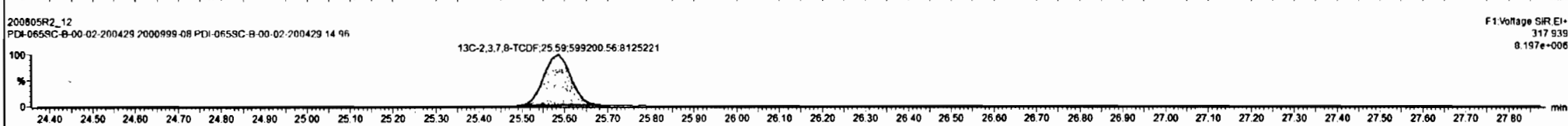
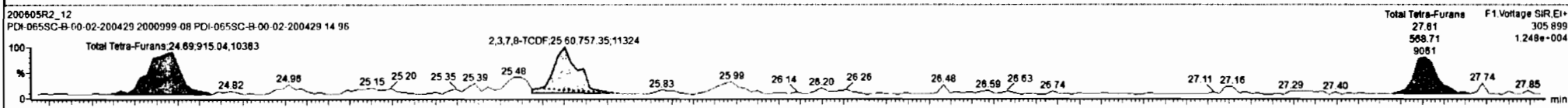
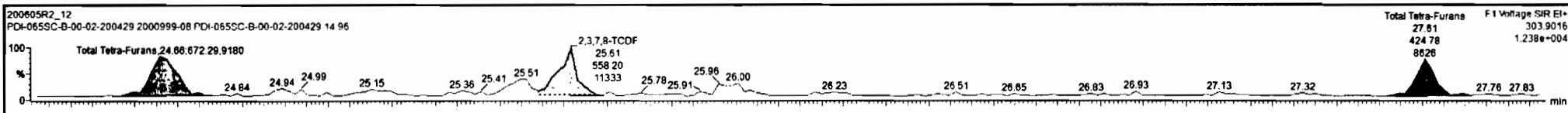
DPE1





1st Func.	2nd Func.	3rd Func.	4th Func.	5th Func.	6th Func.
1st Func. Penta-Furans		0.8625	10.028		3.73
					0.0180
					3.73

RT	Area	Height	W	Area%	Height%	CPIC	Cont.
Total Tetra-Furans	20.87	4.401e2	6.078e2	0.72	NO	0.26200	0.26156
Total Tetra-Furans	21.50	2.586e3	3.413e3	0.75	NO	1.4920	1.4923
Total Tetra-Furans	21.93	5.346e2	6.374e2	0.84	NO	0.29300	0.29256
Total Tetra-Furans	22.44	1.120e3	1.274e3	0.88	NO	0.59700	0.59741
Total Tetra-Furans	22.97	1.109e3	1.415e3	0.78	NO	0.63000	0.63004
Total Tetra-Furans	23.88	2.864e2	2.403e2	0.88	NO	0.11200	0.11150
Total Tetra-Furans	24.04	9.574e2	1.400e3	0.88	NO	0.58800	0.58841
Total Tetra-Furans	24.88	6.723e2	9.150e2	0.74	NO	0.39600	0.39623
2,3,7,8-TCDF	25.61	5.582e2	7.573e2	0.74	NO	0.32800	0.32838
Total Tetra-Furans	27.61	4.248e2	5.687e2	0.75	NO	0.24800	0.24799
Total Tetra-Furans	24.15	2.592e2	3.862e2	0.71	NO	0.15600	0.15610



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

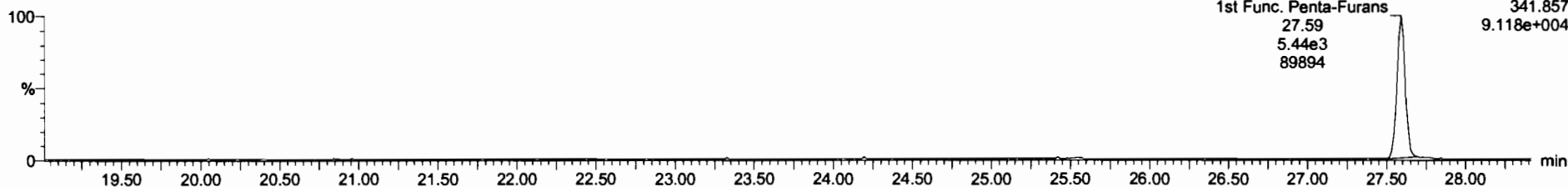
Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

1st Func. Penta-Furans

200605R2_12

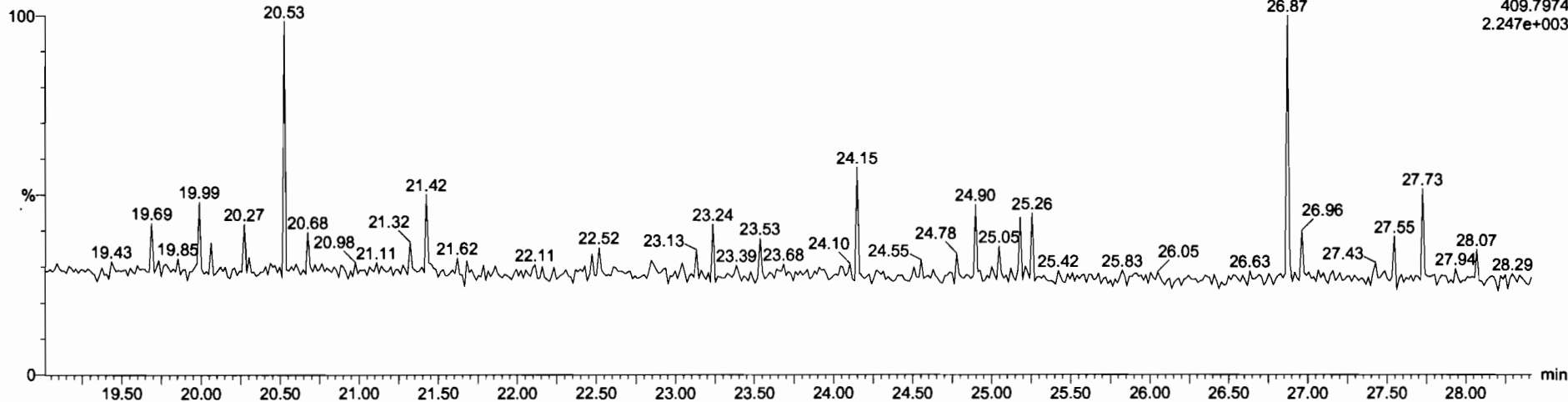


200605R2_12



DPE6

200605R2_12

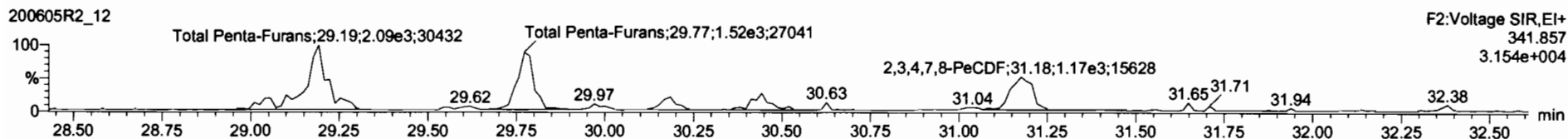
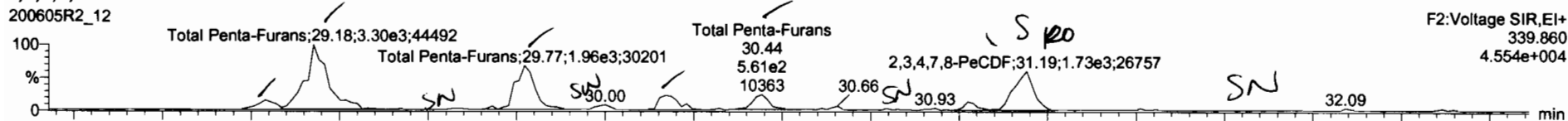


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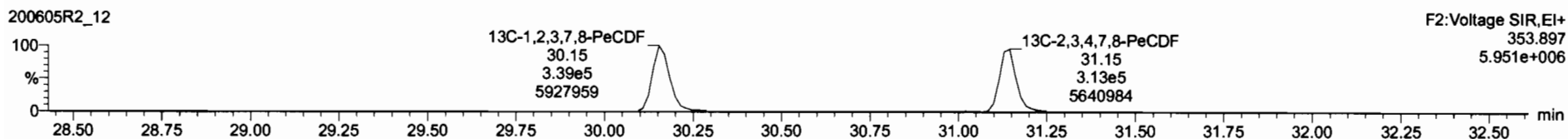
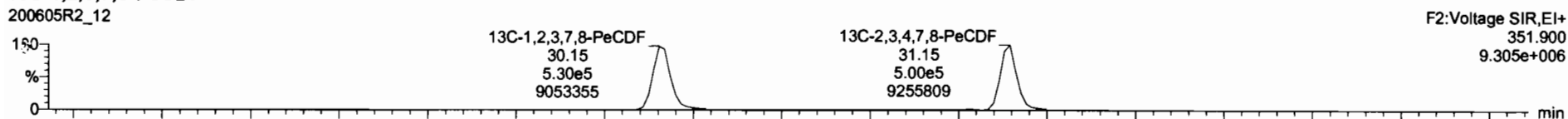
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

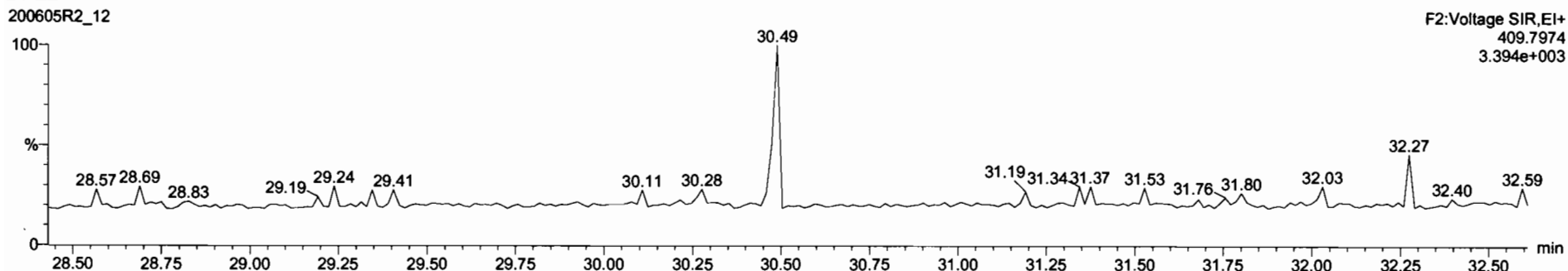
1,2,3,7,8-PeCDF



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

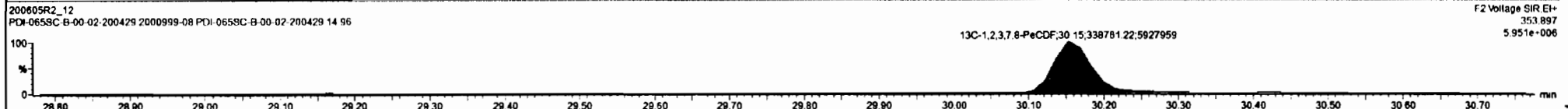
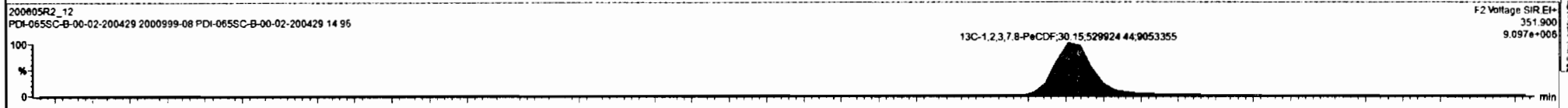
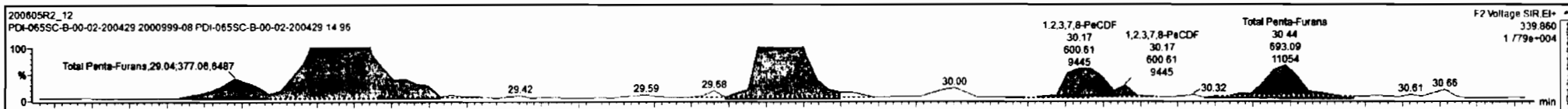


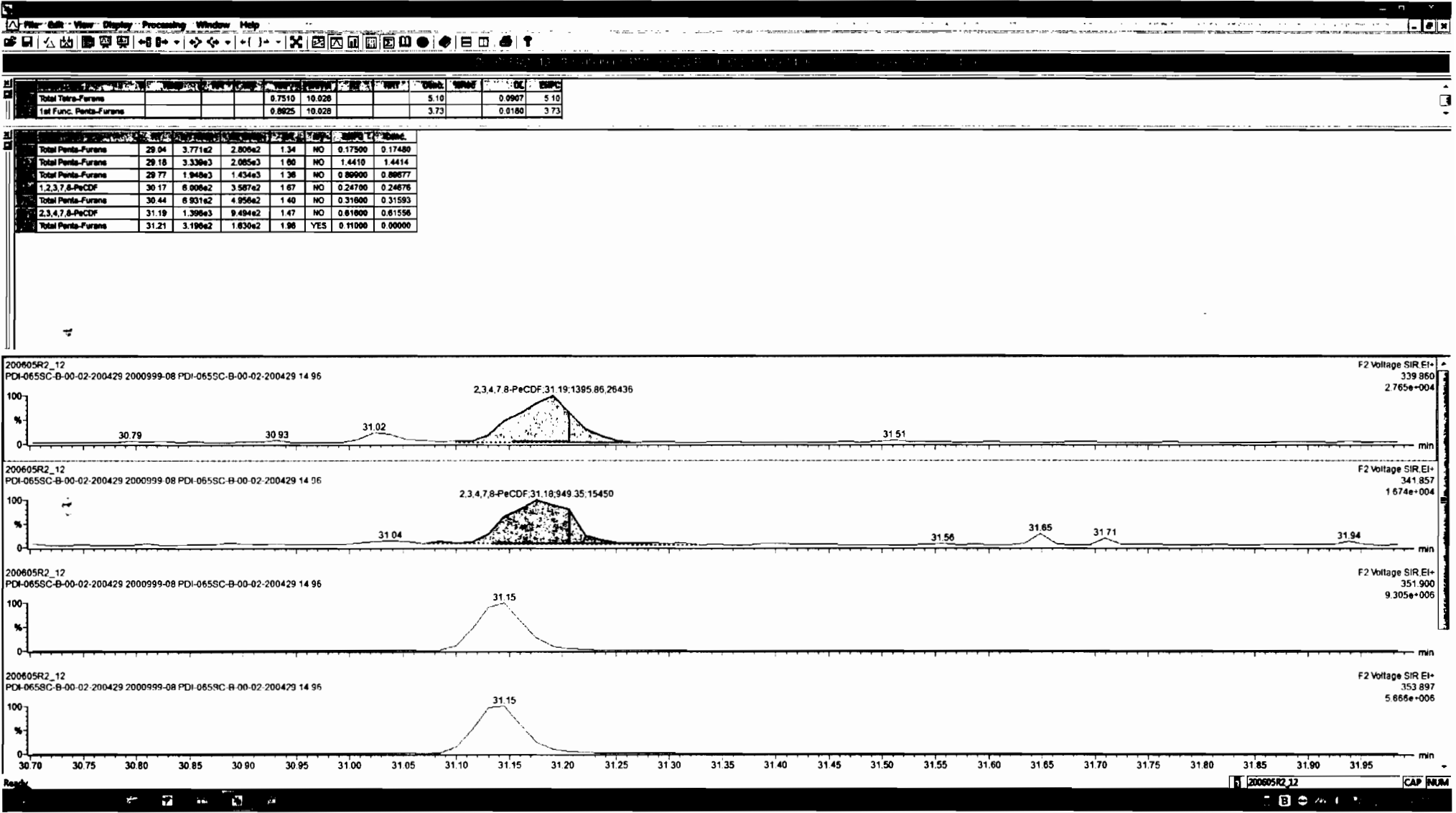
DPE2



NAME	AREA	CONC	FW	FWM	FWH	VR	VRW	CONC	%Area	DL	EMPC
Total Tetra-Furans				0.7310	10.028			5.10		0.0907	5.10
1st Furc. Penta-Furans				0.8825	10.028			3.73		0.0180	3.73

NAME	RT	AREA	CONC	FW	FWM	FWH	VR	VRW	CONC	%Area	DL	EMPC	Class
Total Penta-Furans	29.04	3.771e2	2.806e2	1.34	NO	0.17500			0.17480				
Total Penta-Furans	29.18	3.330e3	2.055e3	1.50	NO	1.4410			1.4414				
Total Penta-Furans	29.77	1.949e3	1.434e3	1.38	NO	0.89000			0.89877				
1,2,3,7,8-PeCDF	30.17	6.005e2	3.587e2	1.67	NO	0.24700			0.24678				
Total Penta-Furans	30.44	8.931e2	4.956e2	1.40	NO	0.31800			0.31593				
2,3,4,7,8-PeCDF	31.19	1.386e3	8.494e2	1.47	NO	0.81800			0.81558				
Total Penta-Furans	31.21	3.196e2	1.830e2	1.96	YES	0.11000			0.00000				





Comp	Area	Height	Width	Area%	Height%	Width%	Disc	Wt%	OC	SPC	
Total Tetra-Furans				0.7510	10.026			5.10		0.0907	5.10
1st Func. Penta-Furans				0.8825	10.028			3.73		0.0180	3.73

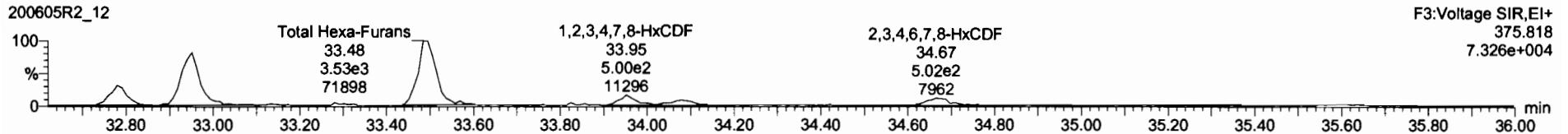
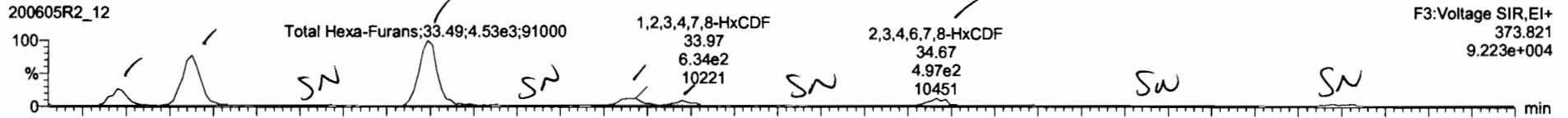
Comp	Area	Height	Width	Area%	Height%	Width%	Disc	Wt%	OC	SPC
Total Penta-Furans	29.04	3.771e2	2.809e2	1.34	NO	0.17500	0.17480			
Total Penta-Furans	29.18	3.330e3	2.085e3	1.60	NO	1.4410	1.4414			
Total Penta-Furans	29.77	1.948e3	1.434e3	1.38	NO	0.86900	0.86877			
1,2,3,7,8-PeCDF	30.17	6.008e2	3.587e2	1.67	NO	0.24700	0.24676			
Total Penta-Furans	30.44	6.931e2	4.956e2	1.40	NO	0.31600	0.31593			
2,3,4,7,8-PeCDF	31.19	1.398e3	9.494e2	1.47	NO	0.61800	0.61556			
Total Penta-Furans	31.21	3.186e2	1.630e2	1.98	YES	0.11000	0.00000			

Dataset: Untitled

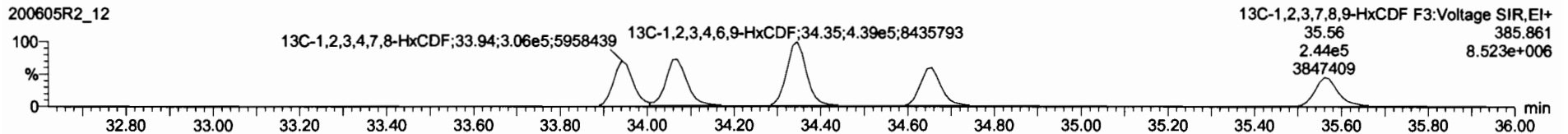
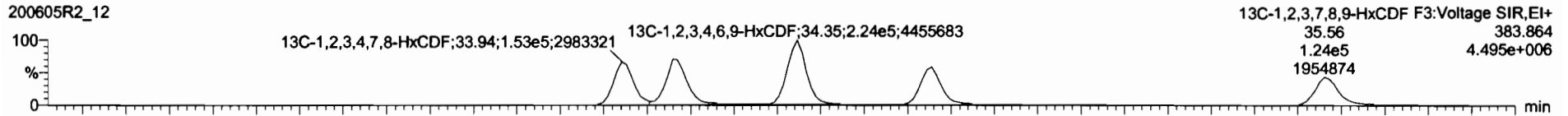
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

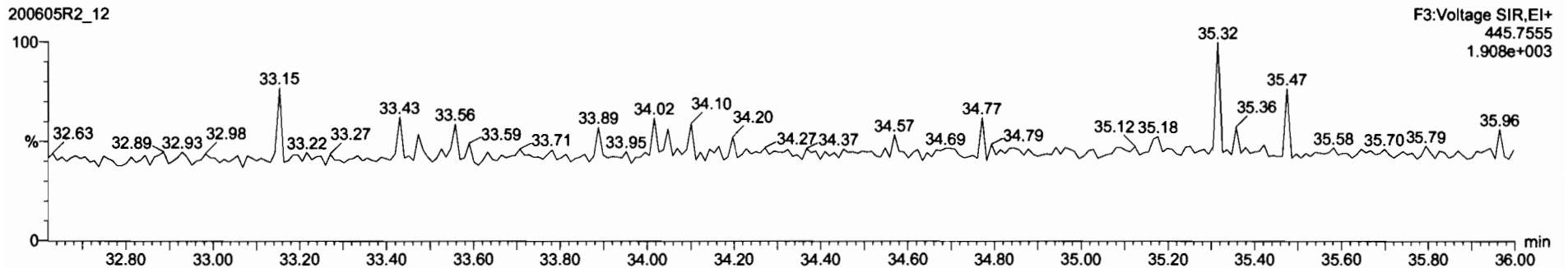
1,2,3,4,7,8-HxCDF

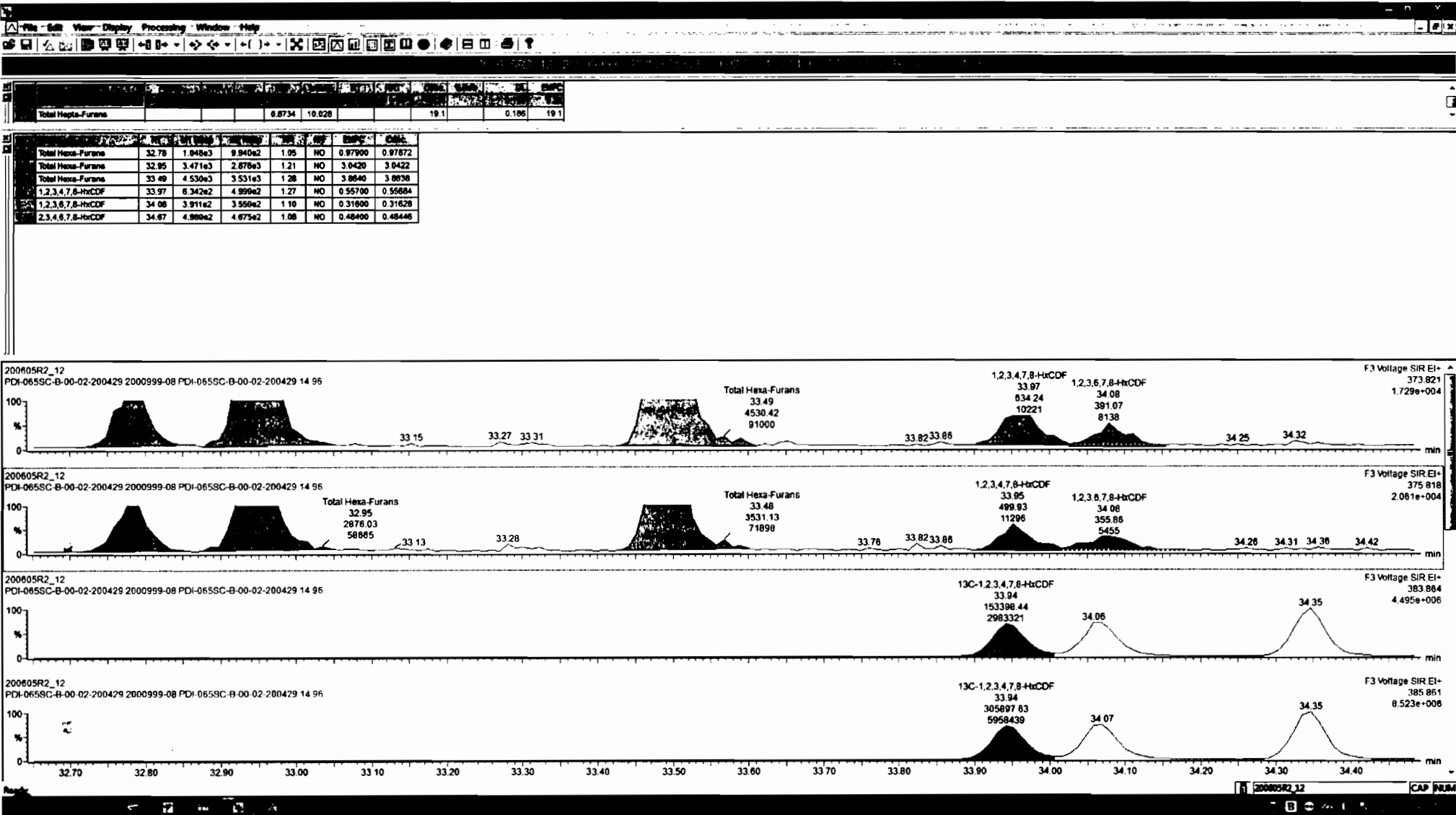


13C-1,2,3,4,7,8-HxCDF



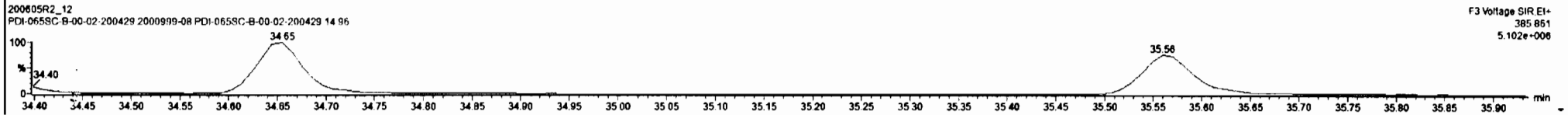
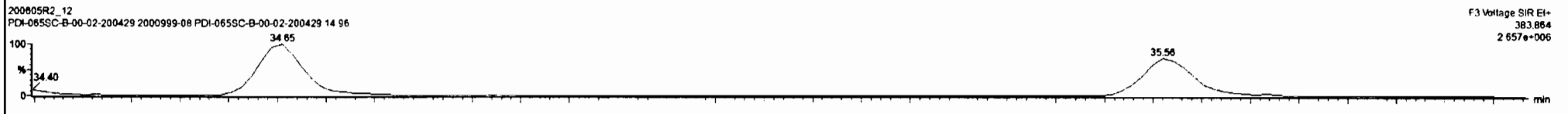
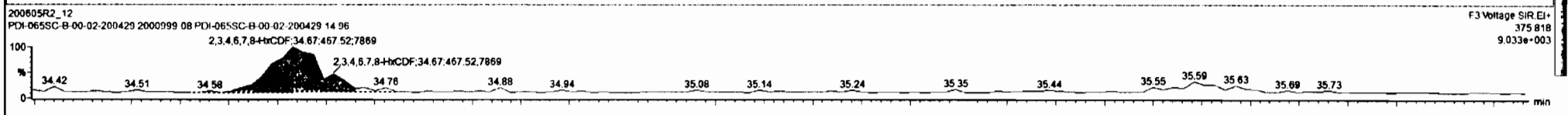
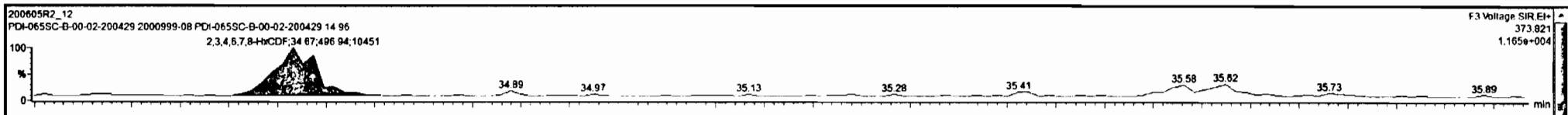
DPE3





Total Hepta-Furans		0.8734	10.028		19.1		0.186	19.1
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	Area	Height	Width	Area%	Height%	Width%	Code
Total Hexa-Furans	32.78	1.048e3	9.940e2	1.05	NO	0.97900	0.97872
Total Hexa-Furans	32.95	3.471e3	2.878e3	1.21	NO	3.0420	3.0422
Total Hexa-Furans	33.49	4.530e3	3.531e3	1.28	NO	3.8640	3.8638
1,2,3,4,7,8-HxCDF	33.97	6.342e2	4.999e2	1.27	NO	0.55700	0.55684
1,2,3,6,7,8-HxCDF	34.08	3.911e2	3.559e2	1.10	NO	0.31800	0.31828
2,3,4,6,7,8-HxCDF	34.67	4.989e2	4.875e2	1.06	NO	0.48400	0.48446



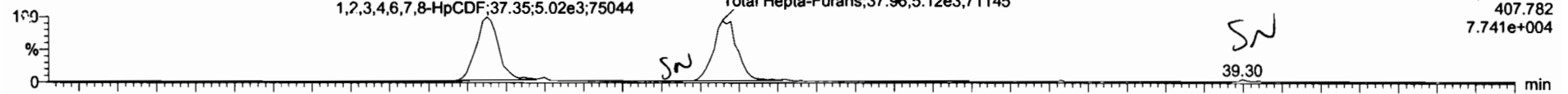
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

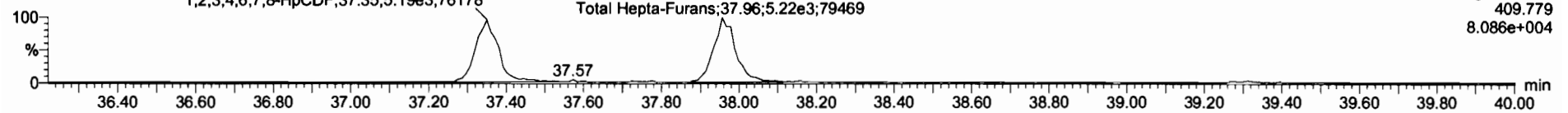
1,2,3,4,6,7,8-HpCDF

200605R2_12



F4:Voltage SIR,EI+
407.782
7.741e+004

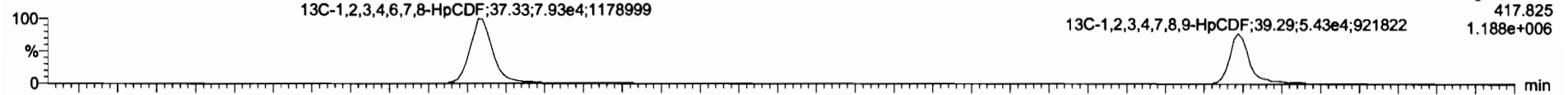
200605R2_12



F4:Voltage SIR,EI+
409.779
8.086e+004

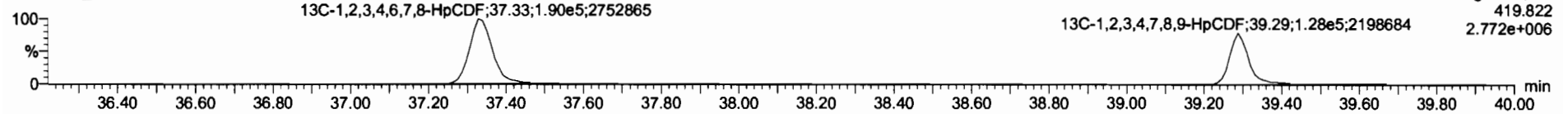
13C-1,2,3,4,6,7,8-HpCDF

200605R2_12



F4:Voltage SIR,EI+
417.825
1.188e+006

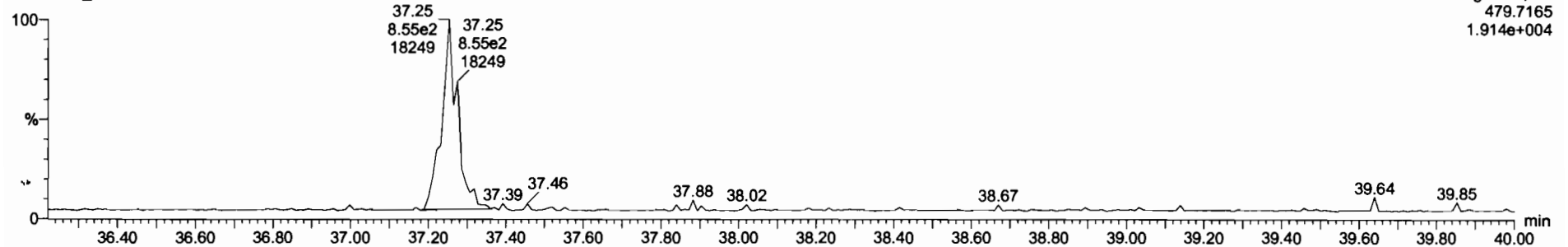
200605R2_12



F4:Voltage SIR,EI+
419.822
2.772e+006

DPE4

200605R2_12



F4:Voltage SIR,EI+
479.7165
1.914e+004

Dataset: Untitled

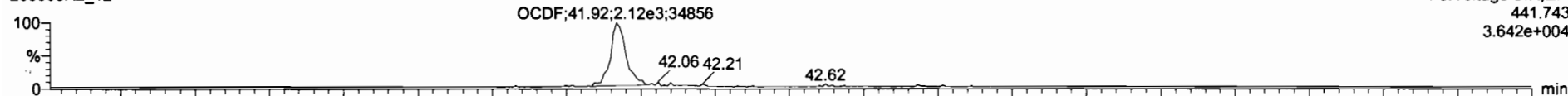
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

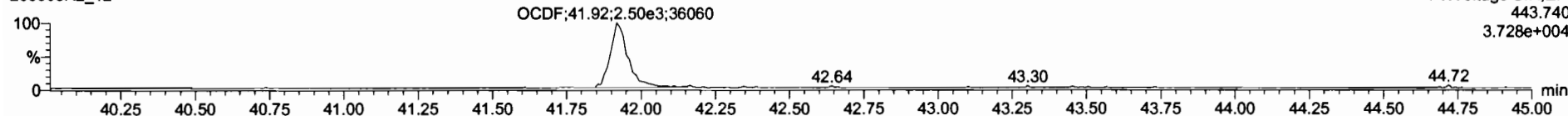
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OCDF

200605R2_12

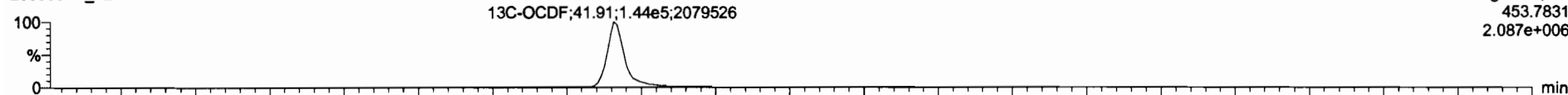


200605R2_12

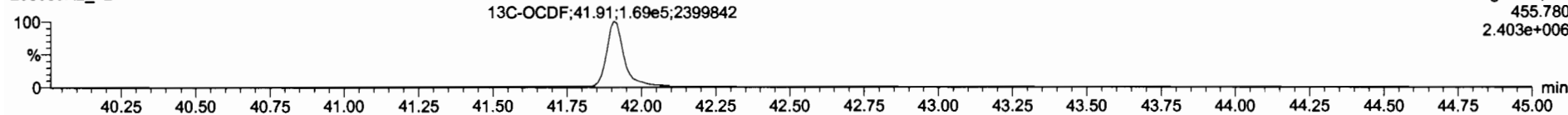


13C-OCDF

200605R2_12

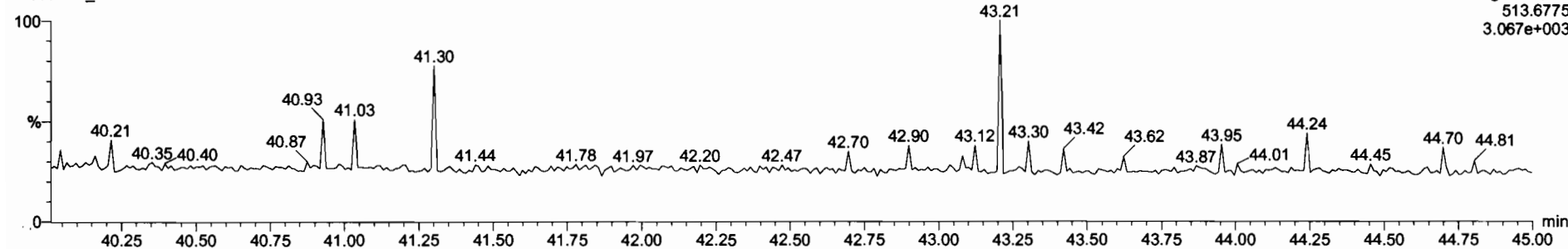


200605R2_12



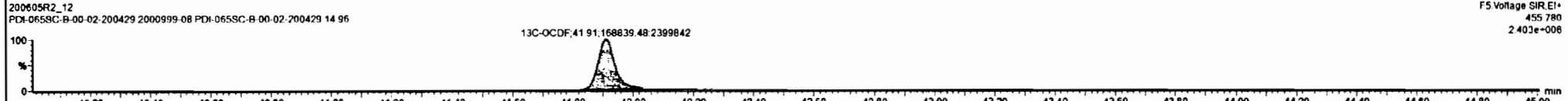
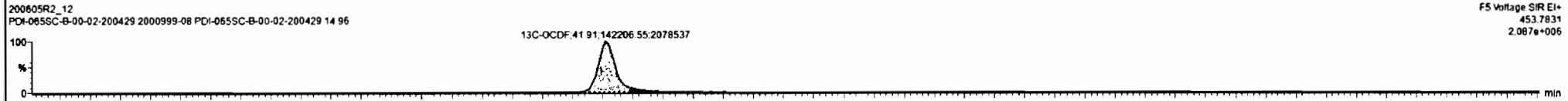
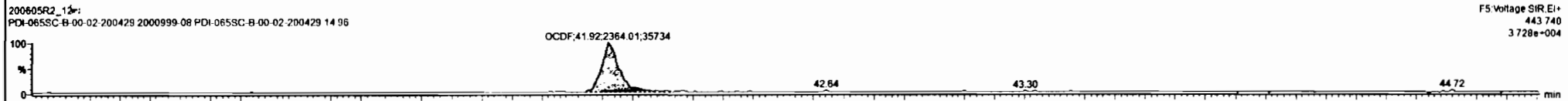
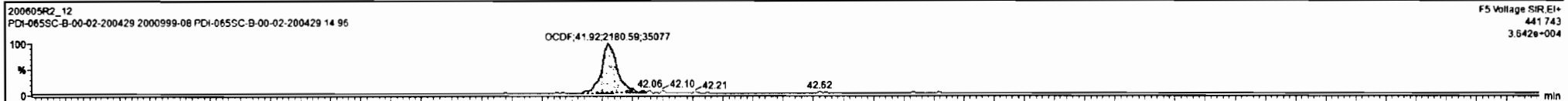
DPE5

200605R2_12



Sample	Conc	Area	Height	Width	Ret	Off	Int	Area	Height	Width	Ret	Off	Int
13C-2,3,7,8-TCDD	8.47e5	0.75	NO	1.1583	10.028	26.48	1.028	178	89.5	0.224			

Sample	Conc

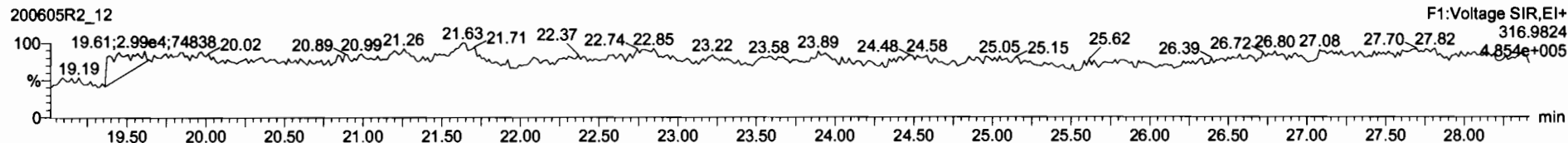


Dataset: Untitled

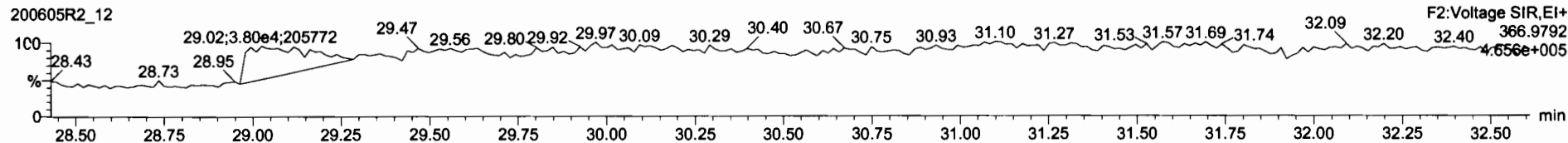
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_12, Date: 06-Jun-2020, Time: 06:51:09, ID: 2000999-08 PDI-065SC-B-00-02-200429 14.96, Description: PDI-065SC-B-00-02-200429

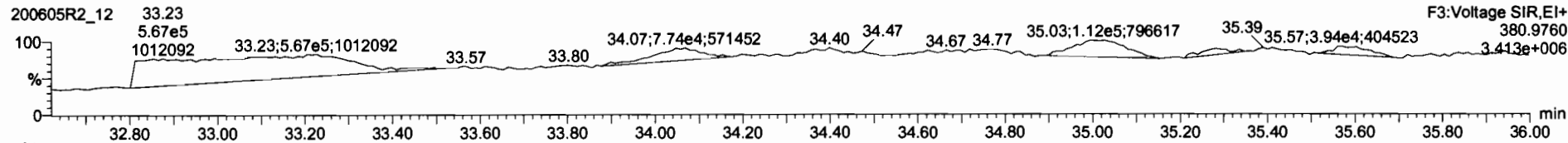
PFK1



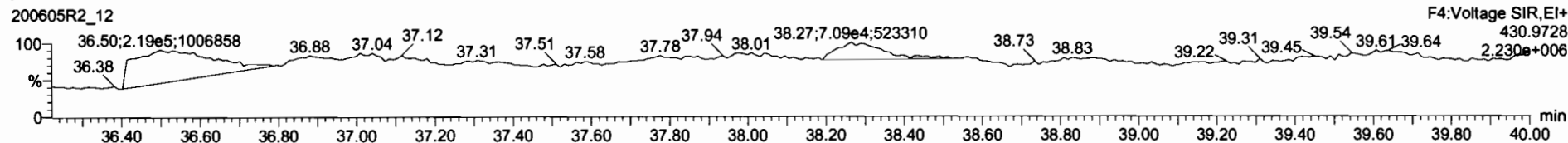
PFK2



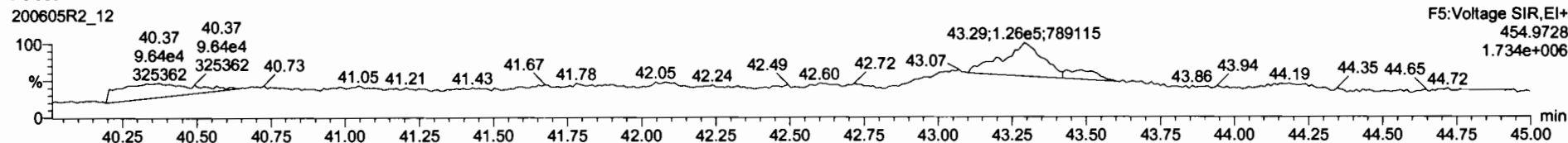
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-13.qld

Last Altered: Monday, June 08, 2020 15:38:35 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:39:03 Pacific Daylight Time

GRB 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: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RFC	Conc.	%Rec	DU	DF
1	2,3,7,8-TCDD			NO	0.888	10.012	26.516		1.001				0.0590	
2	1,2,3,7,8-PeCDD			NO	0.908	10.012	31.473		1.001				0.0910	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.012	34.825		1.000				0.101	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.012	34.922		1.000				0.111	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.012	35.220		1.000				0.132	
6	1,2,3,4,6,7,8-HpCDD	8.36e2	1.09	NO	0.864	10.012	38.757	38.77	1.000	1.001	0.69315		0.183	0.693
7	OCDD	4.76e3	0.83	NO	0.914	10.012	41.728	41.74	1.000	1.000	6.1678		0.302	6.17
8	2,3,7,8-TCDF			NO	0.751	10.012	25.612		1.001				0.0532	
9	1,2,3,7,8-PeCDF			NO	0.893	10.012	30.175		1.001				0.0626	
10	2,3,4,7,8-PeCDF			NO	0.935	10.012	31.177		1.001				0.0566	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.012	33.942		1.000				0.0440	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.012	34.069		1.000				0.0426	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.012	34.690		1.001				0.0475	
14	1,2,3,7,8,9-HxCDF	1.18e2	1.20	NO	0.871	10.012	35.571	35.61	1.000	1.001	0.063187		0.0424	0.0632
15	1,2,3,4,6,7,8-HpCDF	1.76e2	1.53	YES	0.873	10.012	37.376	37.35	1.001	1.000	0.12422		0.0247	0.100
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.012	39.289		1.000				0.0667	
17	OCDF			NO	0.806	10.012	41.930		1.000				0.115	
18	13C-2,3,7,8-TCDD	8.68e5	0.78	NO	1.16	10.012	26.507	26.48	1.026	1.026	188.81	94.5	0.180	
19	13C-1,2,3,7,8-PeCDD	6.15e5	0.64	NO	0.849	10.012	31.692	31.45	1.227	1.218	182.23	91.2	0.239	
20	13C-1,2,3,4,7,8-HxCDD	4.11e5	1.26	NO	0.779	10.012	34.831	34.81	1.014	1.014	166.12	83.2	0.433	
21	13C-1,2,3,6,7,8-HxCDD	5.03e5	1.26	NO	1.02	10.012	34.945	34.92	1.017	1.017	155.73	78.0	0.332	
22	13C-1,2,3,7,8,9-HxCDD	4.22e5	1.25	NO	0.903	10.012	35.216	35.21	1.025	1.025	147.24	73.7	0.374	
23	13C-1,2,3,4,6,7,8-HpCDD	2.79e5	1.00	NO	0.689	10.012	38.740	38.74	1.128	1.128	127.30	63.7	0.464	
24	13C-OCDD	3.38e5	0.91	NO	0.652	10.012	41.763	41.73	1.216	1.215	162.92	40.8	0.387	
25	13C-2,3,7,8-TCDF	1.09e6	0.77	NO	1.06	10.012	25.549	25.59	0.989	0.991	182.37	91.3	0.220	
26	13C-1,2,3,7,8-PeCDF	9.19e5	1.59	NO	0.838	10.012	30.076	30.15	1.165	1.168	194.10	97.2	0.523	
27	13C-2,3,4,7,8-PeCDF	8.79e5	1.61	NO	0.817	10.012	31.029	31.15	1.202	1.206	190.45	95.3	0.536	
28	13C-1,2,3,4,7,8-HxCDF	5.18e5	0.50	NO	1.01	10.012	33.962	33.94	0.989	0.988	161.67	80.9	0.670	
29	13C-1,2,3,6,7,8-HxCDF	5.93e5	0.49	NO	1.17	10.012	34.086	34.06	0.992	0.992	159.98	80.1	0.578	
30	13C-2,3,4,6,7,8-HxCDF	5.06e5	0.49	NO	1.02	10.012	34.660	34.65	1.009	1.009	155.68	77.9	0.660	
31	13C-1,2,3,7,8,9-HxCDF	4.29e5	0.50	NO	0.860	10.012	35.559	35.57	1.035	1.036	156.94	78.6	0.785	

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-13.qld

Last Altered: Monday, June 08, 2020 15:38:35 Pacific Daylight Time
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Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred. RT	Obs. RT	RRF	RRF	Conc	Conc	L
32	13C-1,2,3,4,6,7,8-HpCDF	3.24e5	0.42	NO	0.774	10.012	37.308	37.34	1.086	1.087	131.52	65.8	0.618
33	13C-1,2,3,4,7,8,9-HpCDF	2.22e5	0.41	NO	0.521	10.012	39.338	39.29	1.145	1.144	133.92	67.0	0.918
34	13C-OCDF	4.04e5	0.84	NO	0.746	10.012	41.934	41.93	1.221	1.221	170.39	42.7	0.485
35	37Cl-2,3,7,8-TCDD	3.21e5			1.04	10.012	26.538	26.50	1.028	1.026	77.796	97.4	0.0591
36	13C-1,2,3,4-TCDD	7.94e5	0.80	NO	1.00	10.012	25.890	25.83	1.000	1.000	199.75	100	0.208
37	13C-1,2,3,4-TCDF	1.13e6	0.79	NO	1.00	10.012	24.360	24.15	1.000	1.000	199.75	100	0.232
38	13C-1,2,3,4,6,9-HxCDF	6.35e5	0.50	NO	1.00	10.012	34.420	34.35	1.000	1.000	199.75	100	0.675
39	Total Tetra-Dioxins				0.888	10.012	24.620		0.000		0.22784		0.0590 0.307
40	Total Penta-Dioxins				0.908	10.012	29.960		0.000		0.00000		0.0621 0.179
41	Total Hexa-Dioxins				0.892	10.012	33.635		0.000		0.52313		0.119 0.523
42	Total Hepta-Dioxins				0.864	10.012	37.640		0.000		1.7710		0.183 1.77
43	Total Tetra-Furans				0.751	10.012	23.610		0.000		0.21525		0.0532 0.215
44	1st Func. Penta-Furans				0.893	10.012	27.580		0.000				0.00731
45	Total Penta-Furans				0.893	10.012	29.275		0.000				0.0278
46	Total Hexa-Furans				0.934	10.012	33.555		0.000		0.063187		0.0294 0.0632
47	Total Hepta-Furans				0.873	10.012	37.835		0.000		0.00000		0.0381 0.100

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-13.qld

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Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Dioxins	22.49	1.608e3	3.383e3	1.335e2	2.079e2	0.64	YES	0.000e0	0.00000	0.079488	0.0590
Total Tetra-Dioxins	22.91	1.525e3	1.827e3	1.184e2	1.391e2	0.85	NO	2.575e2	0.066724	0.066724	0.0590
Total Tetra-Dioxins	24.30	4.729e3	3.765e3	2.894e2	3.325e2	0.87	NO	6.218e2	0.16112	0.16112	0.0590

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Penta-Dioxins	29.24	2.218e3	1.901e3	1.146e2	1.001e2	1.14	YES	0.000e0	0.00000	0.058354	0.0621
Total Penta-Dioxins	29.56	1.626e3	4.921e3	4.298e1	2.604e2	0.17	YES	0.000e0	0.00000	0.039769	0.0910
Total Penta-Dioxins	29.71	2.698e3	2.130e3	1.214e2	1.384e2	0.88	YES	0.000e0	0.00000	0.080678	0.0621

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.33	9.697e3	9.902e3	5.980e2	4.432e2	1.35	NO	1.041e3	0.52313	0.52313	0.119

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.73	9.319e3	8.236e3	6.626e2	6.371e2	1.04	NO	1.300e3	1.0779	1.0779	0.183
1,2,3,4,6,7,8-HpCDD	38.77	8.353e3	8.387e3	4.364e2	3.994e2	1.09	NO	8.358e2	0.69315	0.69315	0.183

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Furans	21.49	4.628e3	6.348e3	3.627e2	5.207e2	0.70	NO	8.834e2	0.21525	0.21525	0.0532

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-13.qld

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Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

Penta-Furans function 1

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

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

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.61	2.154e3	1.515e3	6.448e1	5.359e1	1.20	NO	1.181e2	0.063187	0.063187	0.0424

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	37.35	1.700e3	1.446e3	1.063e2	6.955e1	1.53	YES	1.758e2	0.00000	0.10025	0.0347

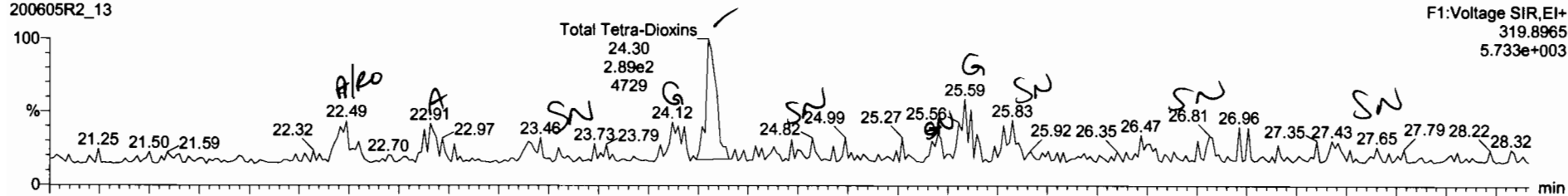
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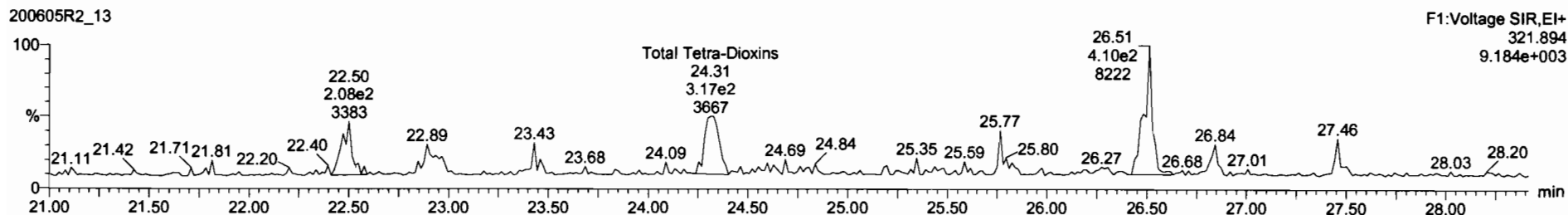
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2,3,7,8-TCDD

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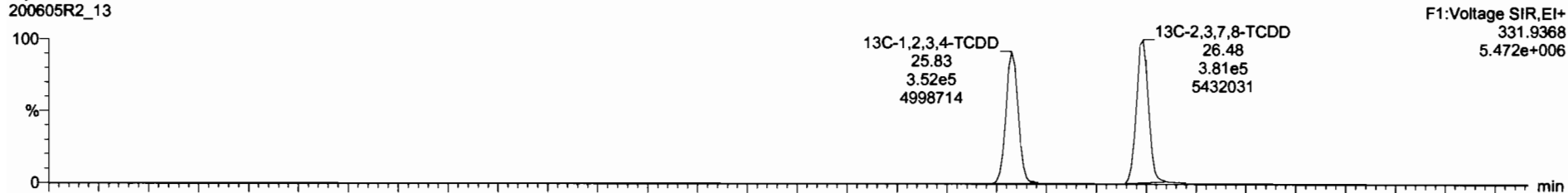


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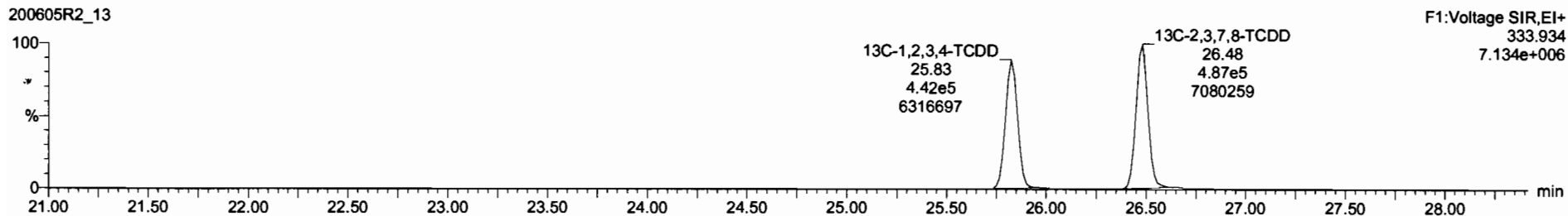


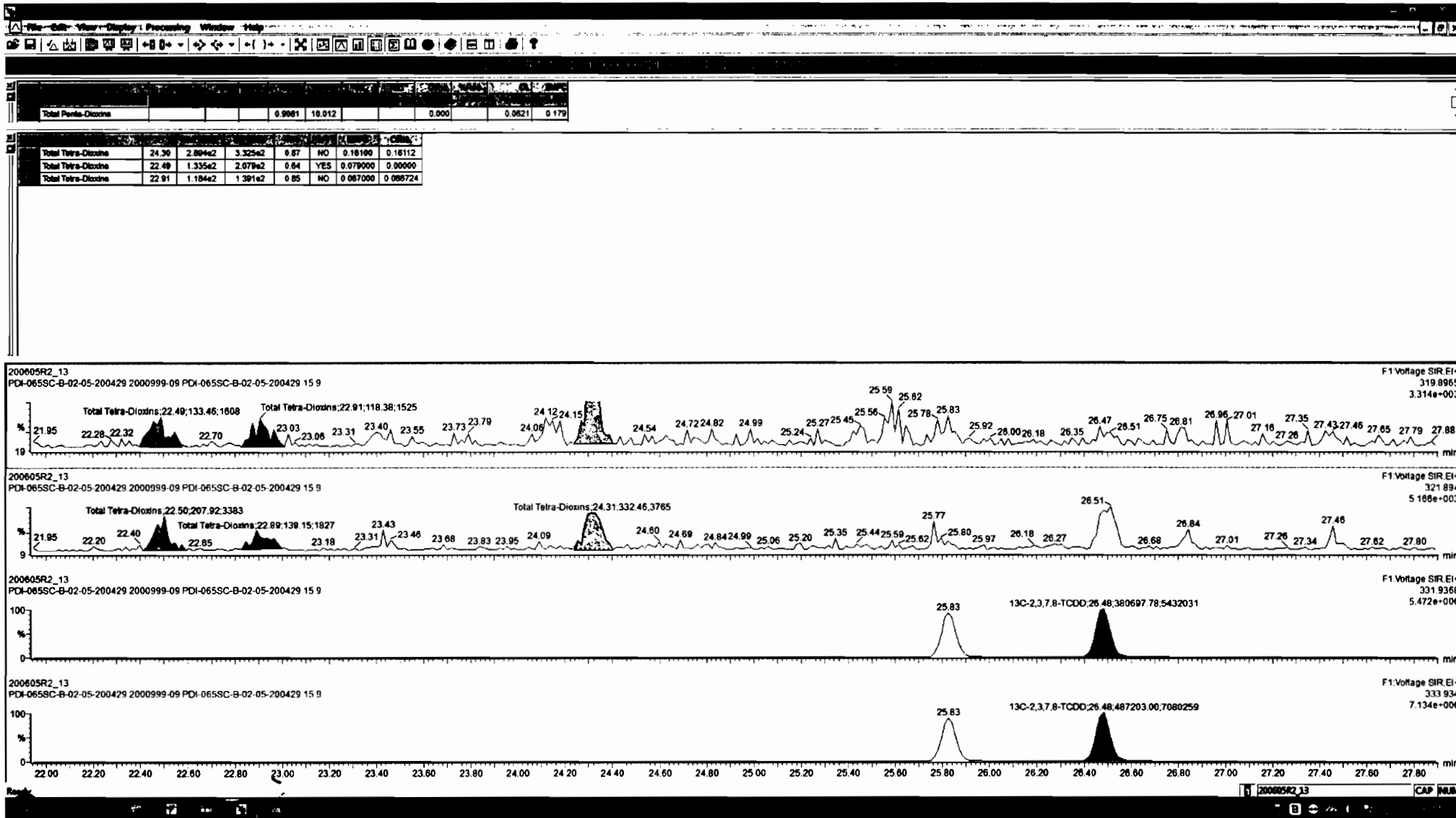
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200605R2_13





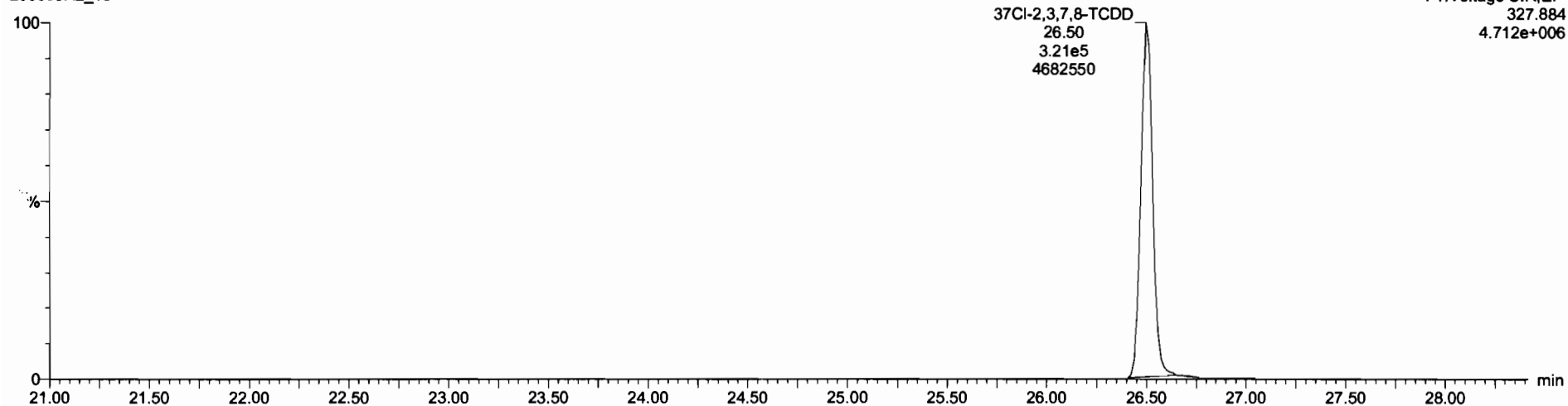
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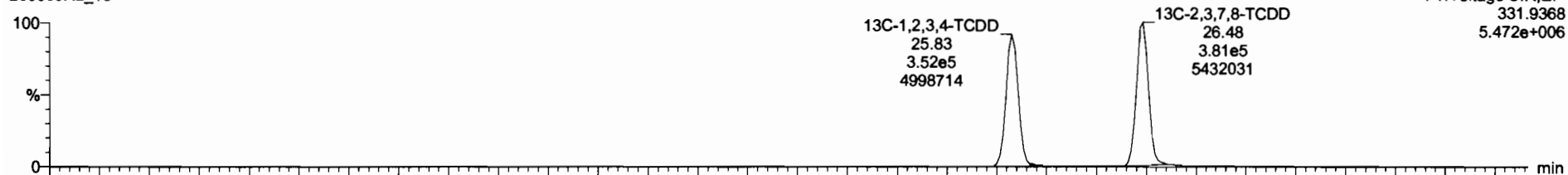
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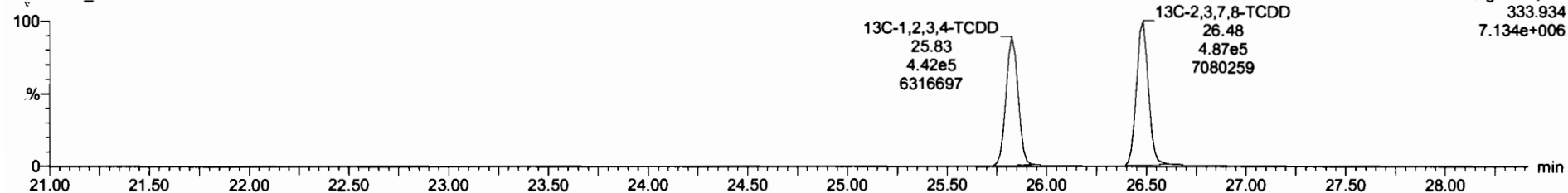


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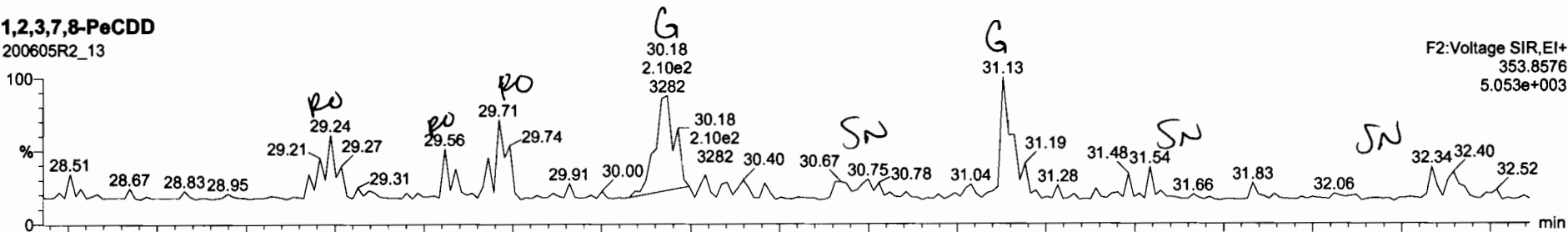
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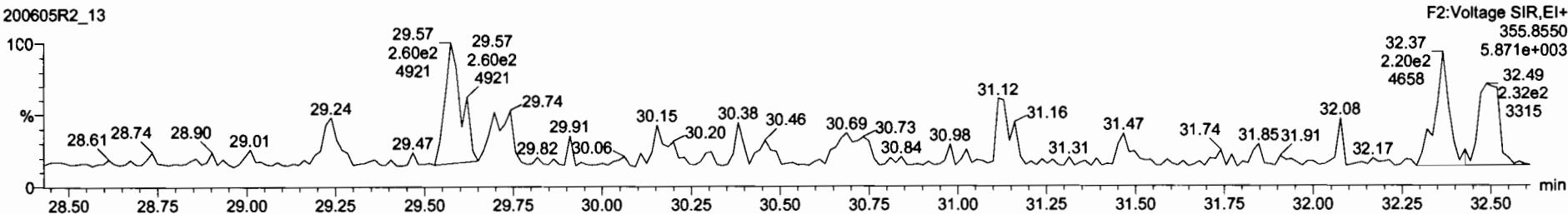
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1,2,3,7,8-PeCDD

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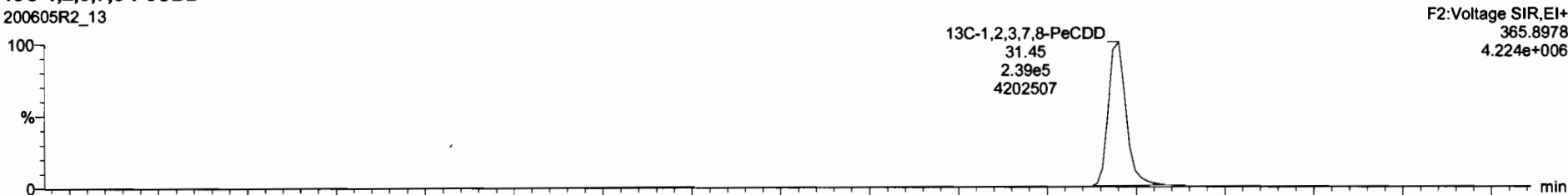


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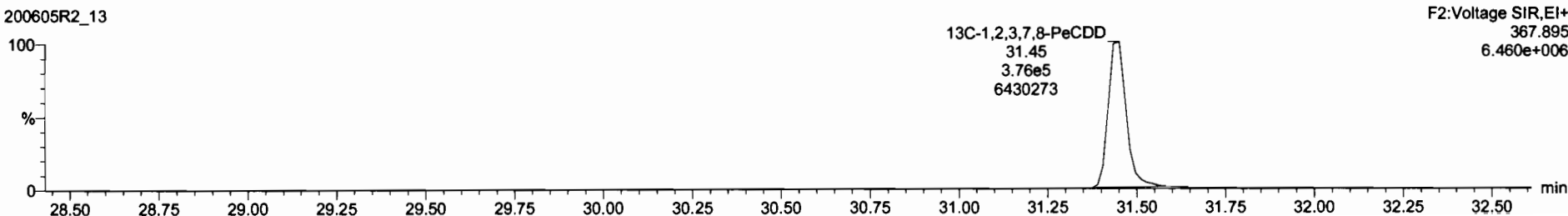


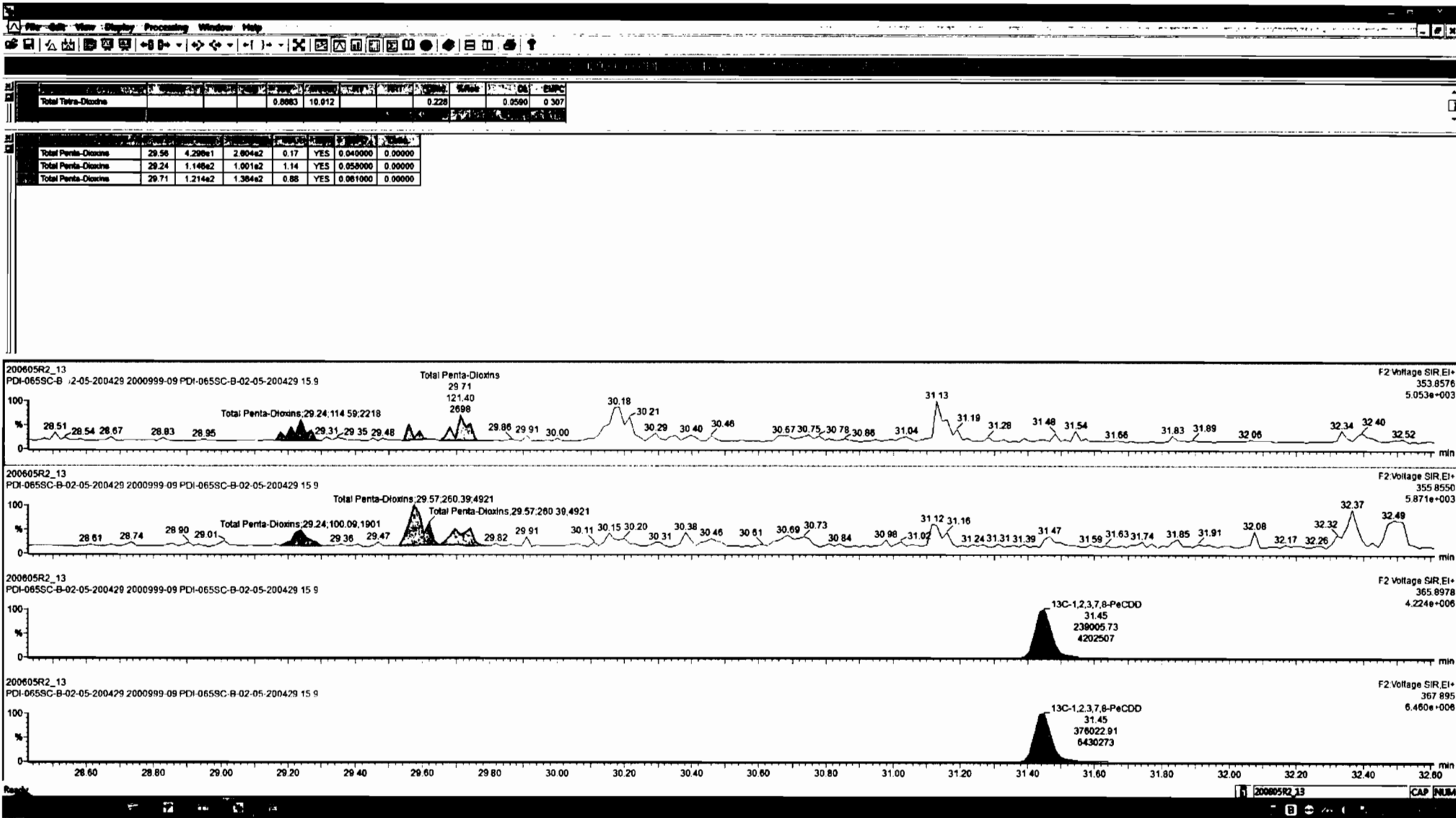
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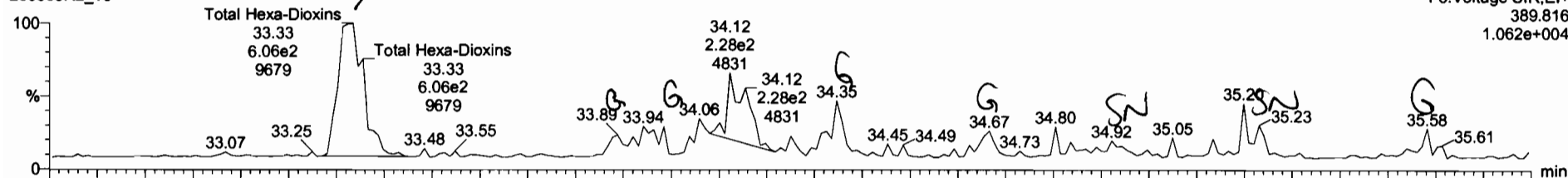
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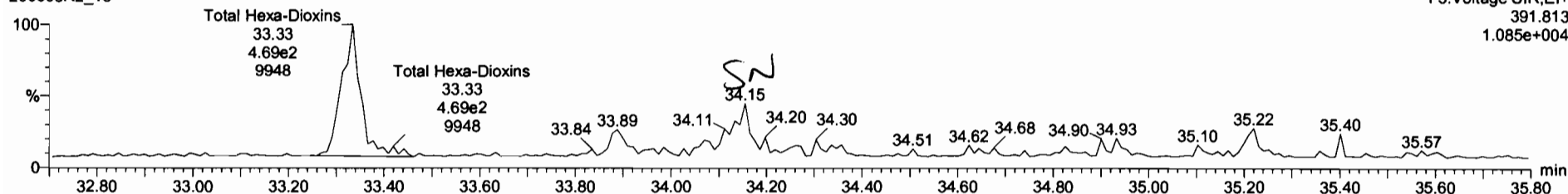
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1,2,3,4,7,8-HxCDD

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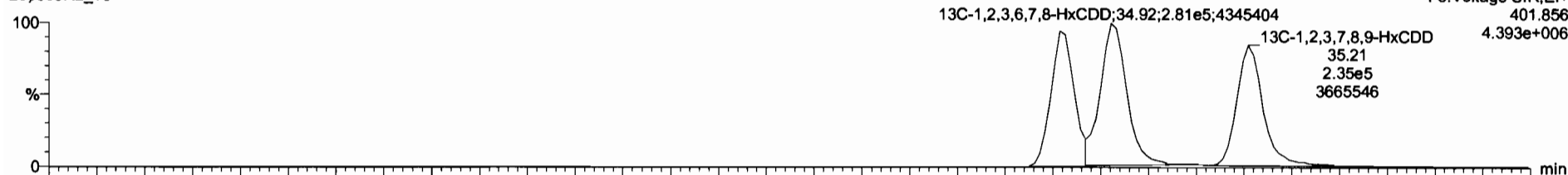


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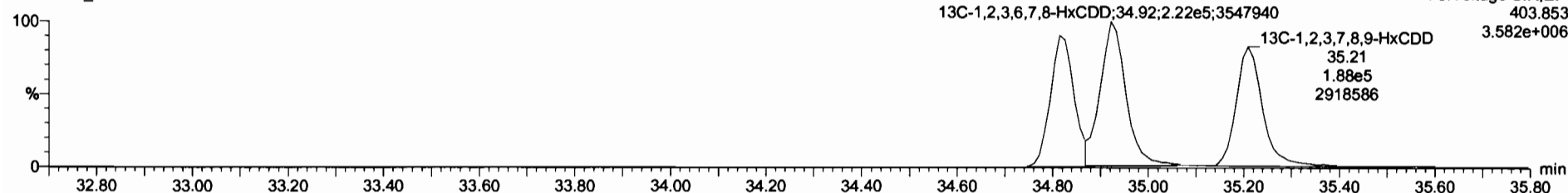


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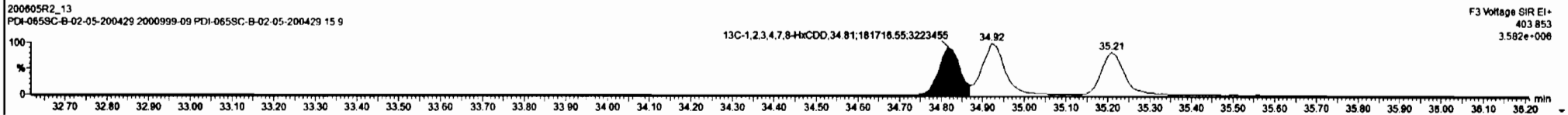
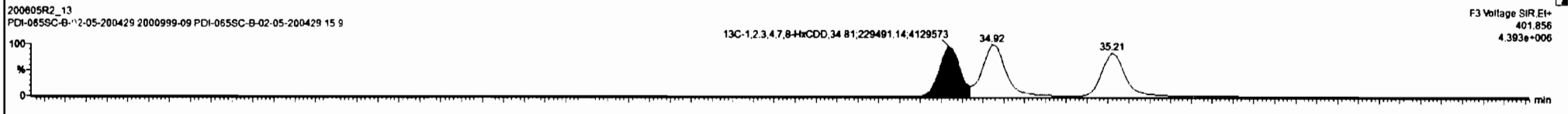
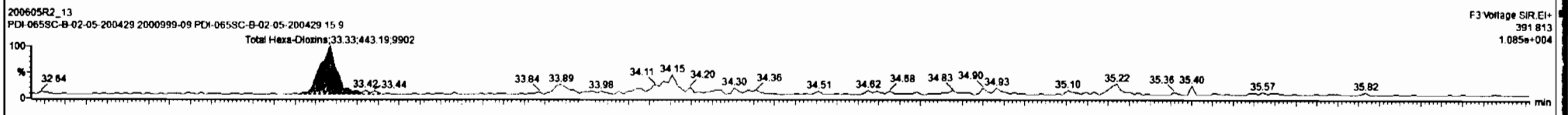
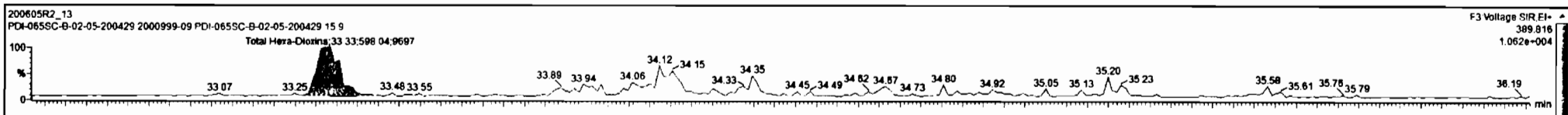


200605R2_13



Sample	Area	Height	Width	Retention	Concentration	Response	Integration
Total Tetra-Dioxins	0.8883	10.012			0.228	0.0590	0.307
Total Penta-Dioxins	0.9081	10.012			0.000	0.0621	0.179

Sample	Area	Height	Width	Retention	Concentration	Response	Integration
Total Hexa-Dioxins	33.33	5.980e2	4.432e2	1.36	NO	0.52300	0.52313



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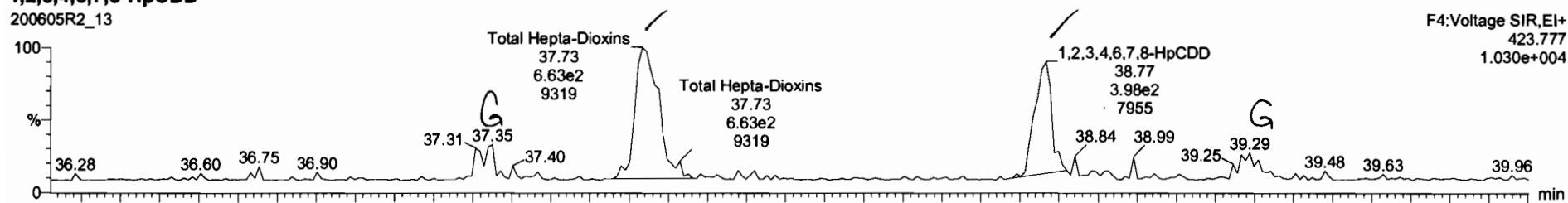
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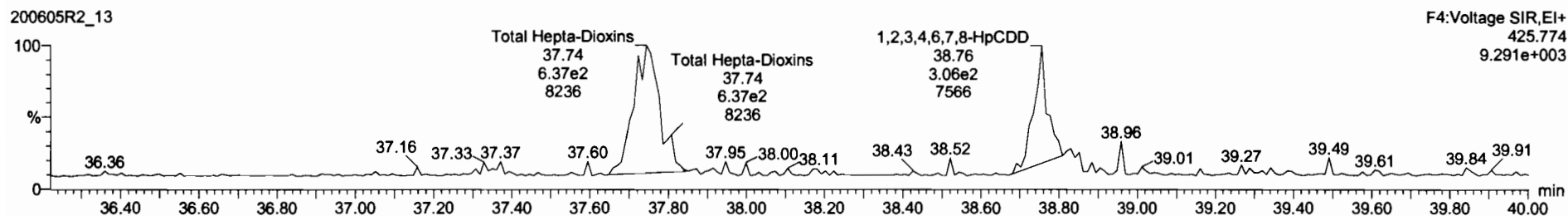
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1,2,3,4,6,7,8-HpCDD

200605R2_13

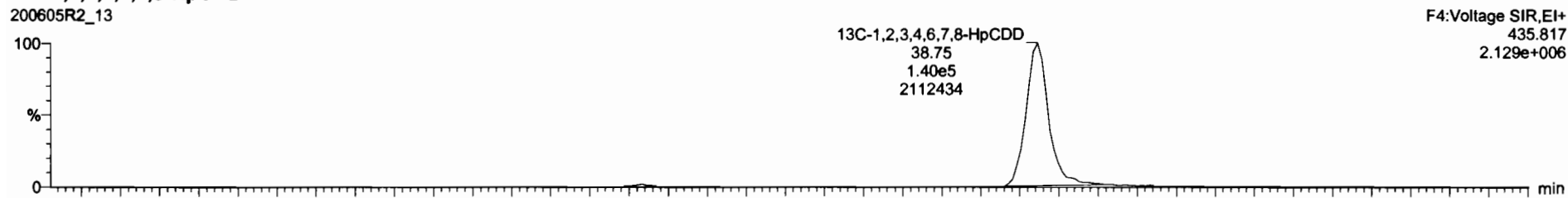


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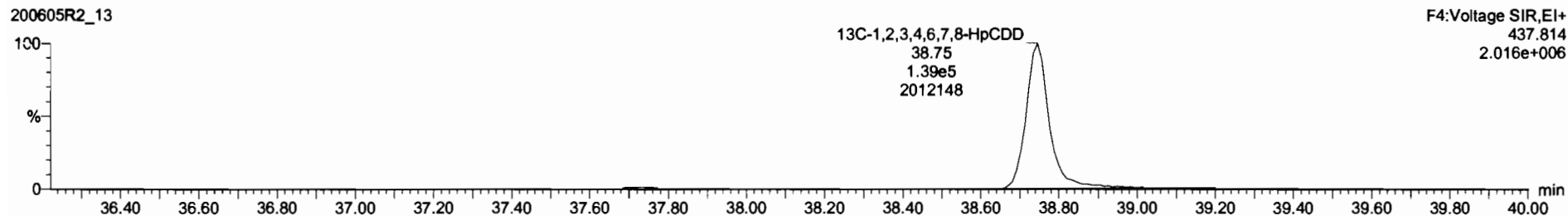


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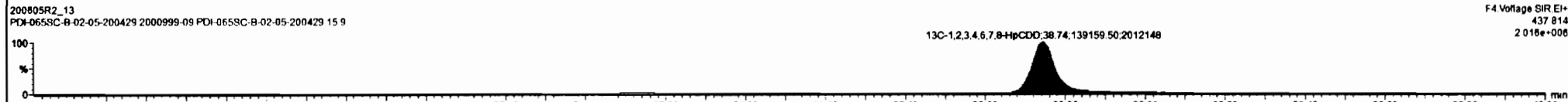
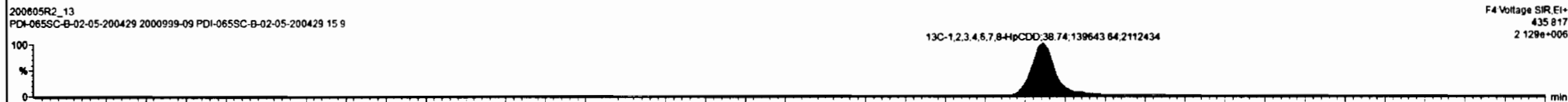
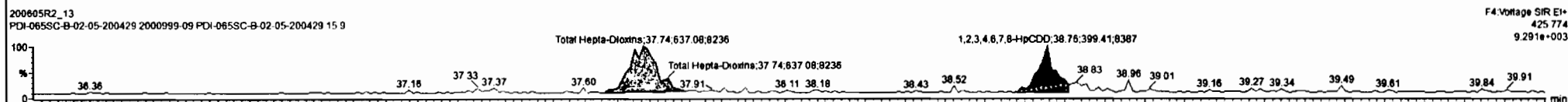
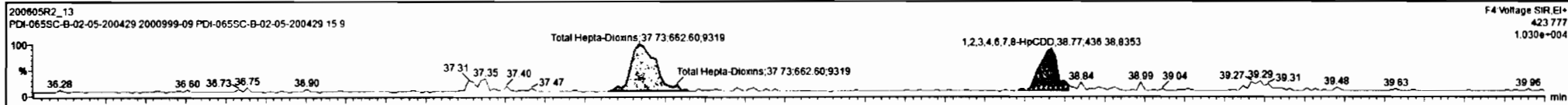


200605R2_13



Total Trixy-Farane		0.7510	10.012		0.215	0.0532	0.215
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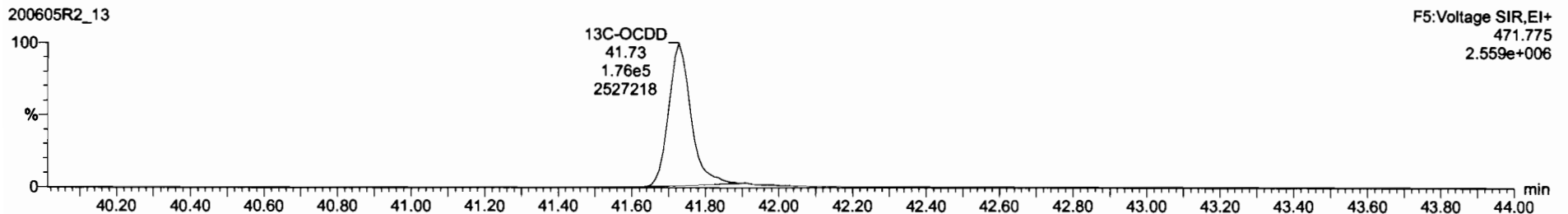
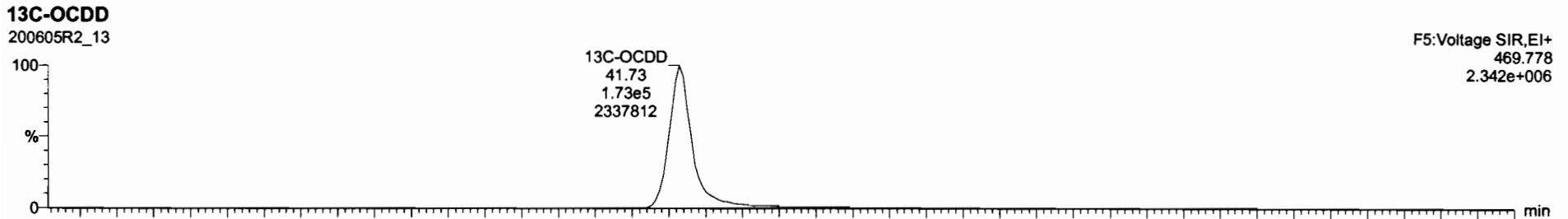
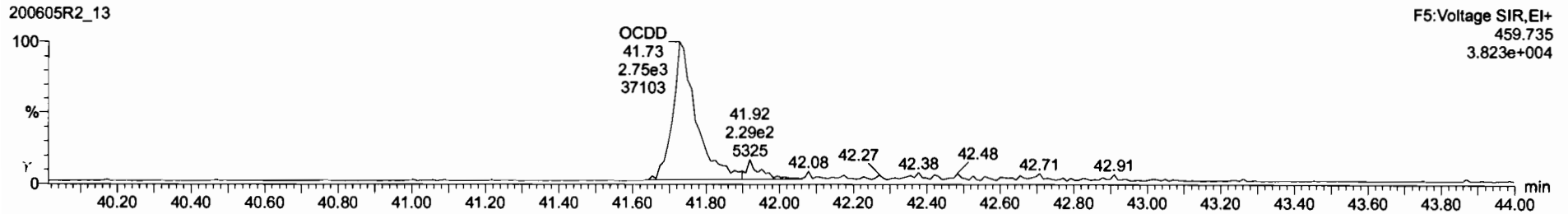
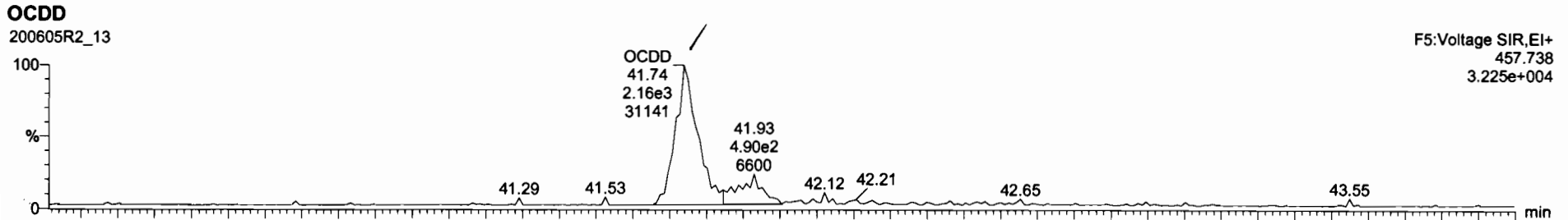
1,2,3,4,6,7,8-HpCDD	35.77	4.364e2	3.804e2	1.00	NO	0.00300	0.00315
Total Hepta-Dioxins	37.73	6.626e2	6.371e2	1.04	NO	1.0780	1.0779



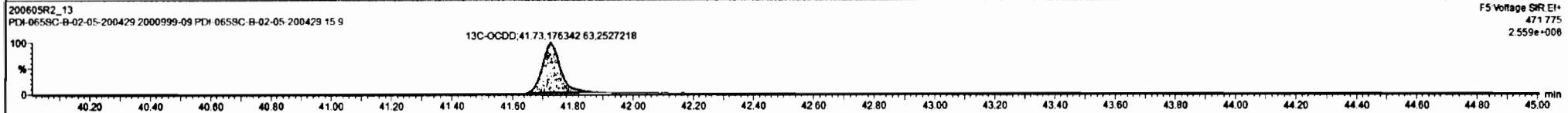
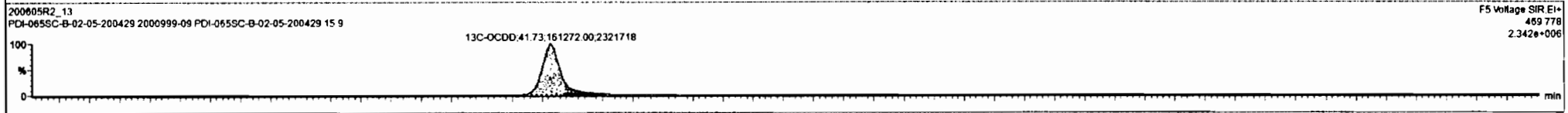
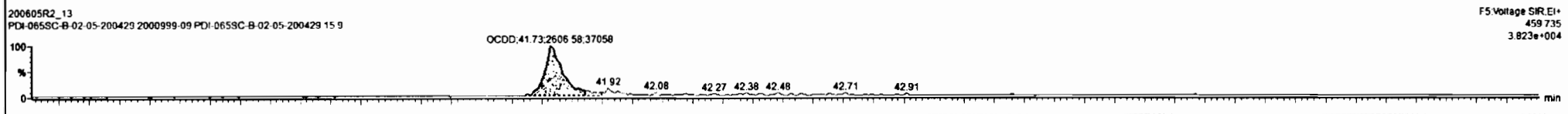
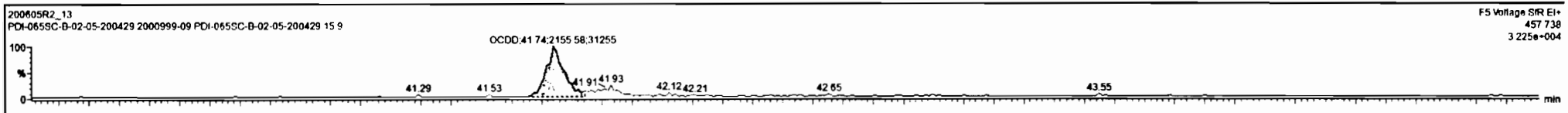
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429



NO	Retention Time	Area	Height	Width	Skew	Tail	Integration
2,3,7,8-TCDF	41.73	10.812	0.7510	0.6532			



Dataset: Untitled

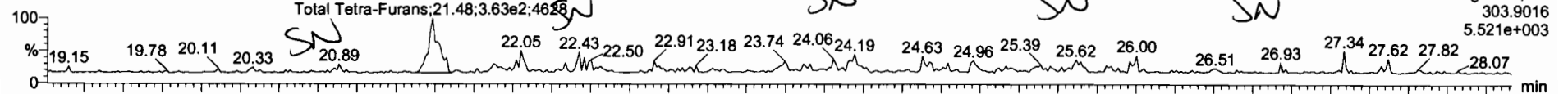
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

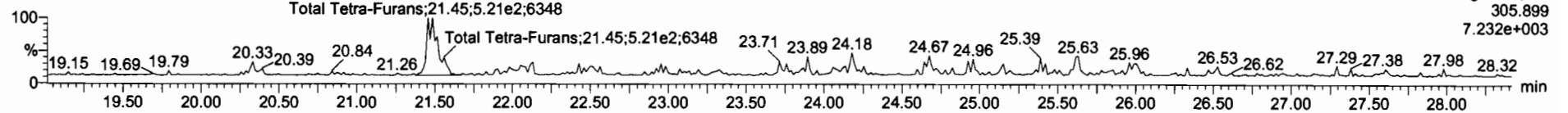
Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

2,3,7,8-TCDF

200605R2_13



200605R2_13

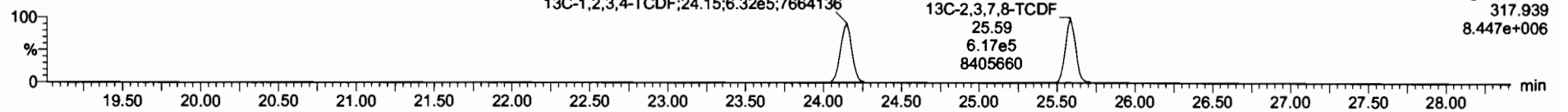


13C-2,3,7,8-TCDF

200605R2_13

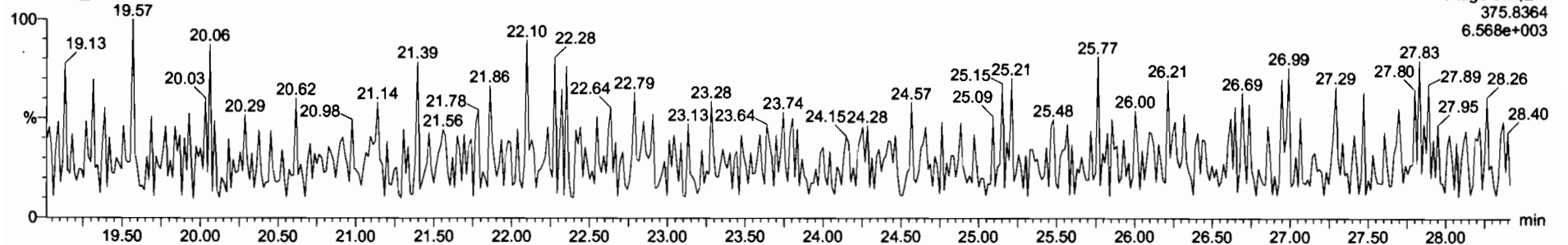


200605R2_13



D-E1

200605R2_13



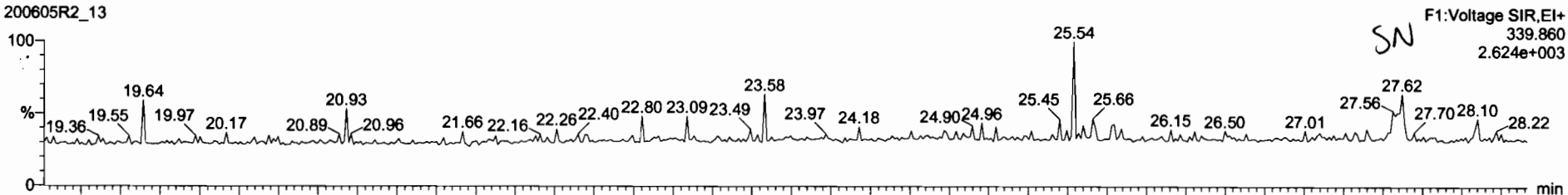
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

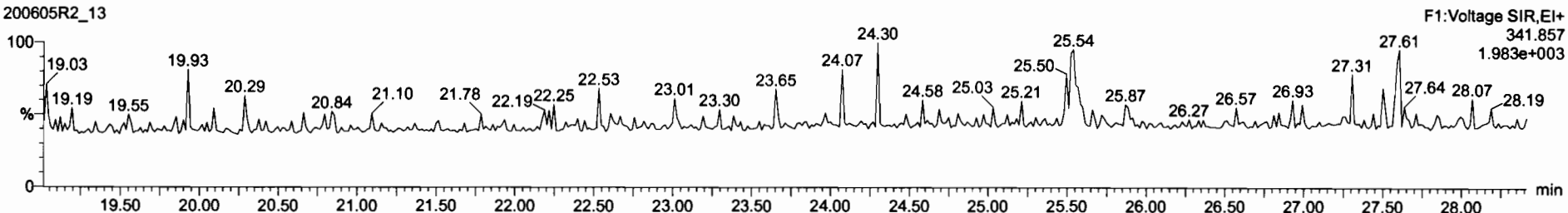
Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

1st Func. Penta-Furans

200605R2_13

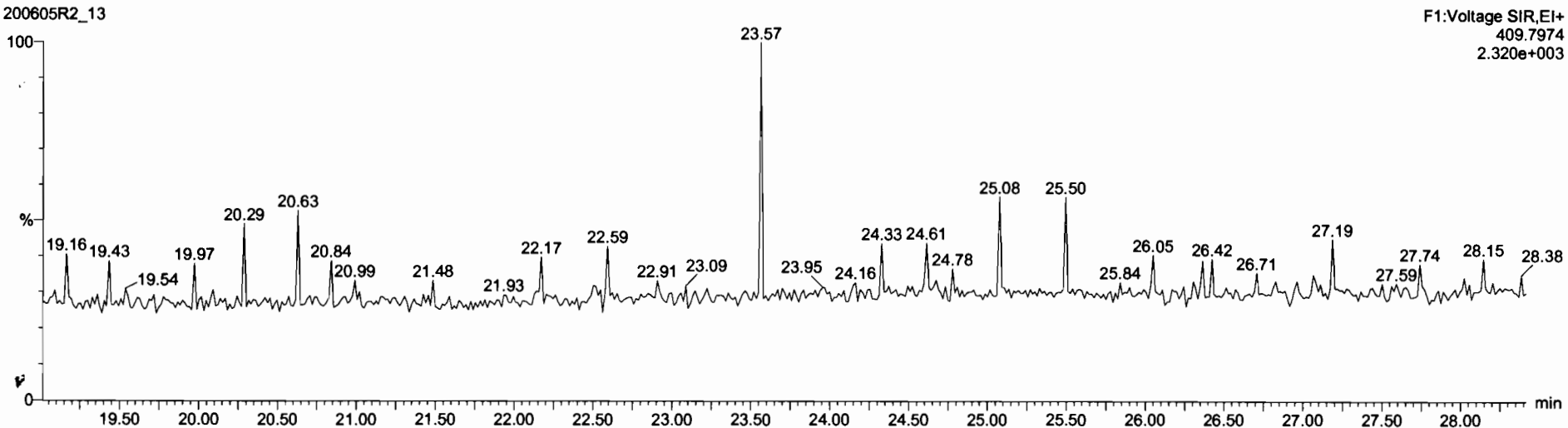


200605R2_13



DPE6

200605R2_13



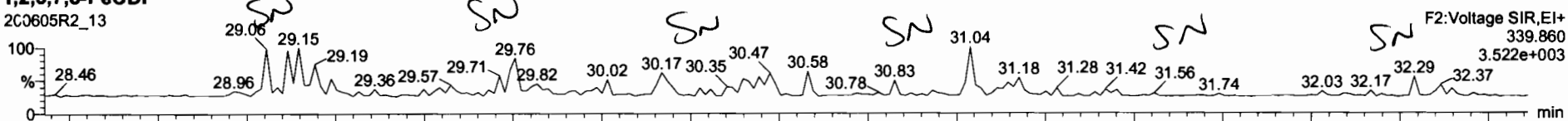
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

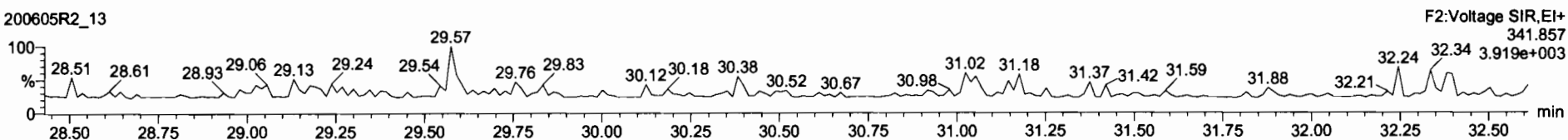
Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

1,2,3,7,8-PeCDF

2C0605R2_13

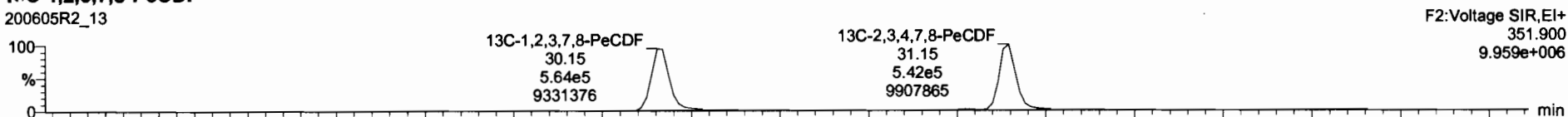


200605R2_13

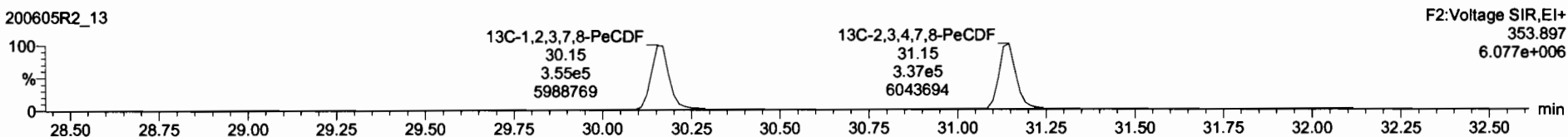


13C-1,2,3,7,8-PeCDF

200605R2_13

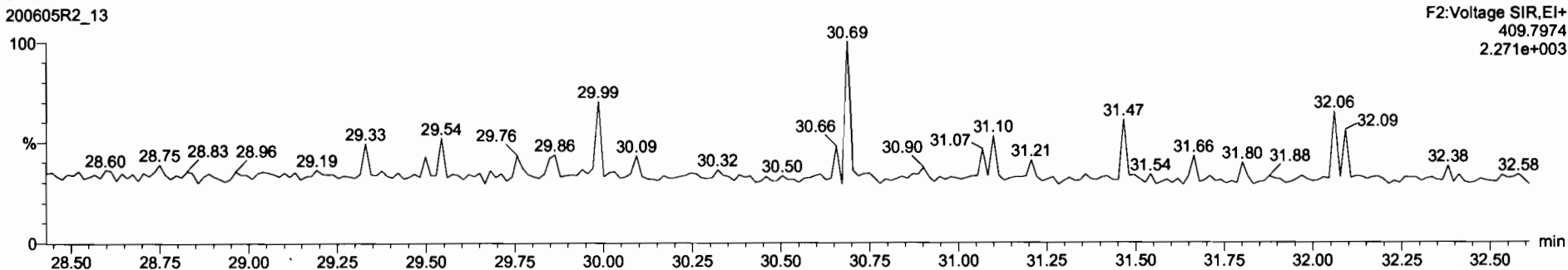


200605R2_13



DPE2

200605R2_13

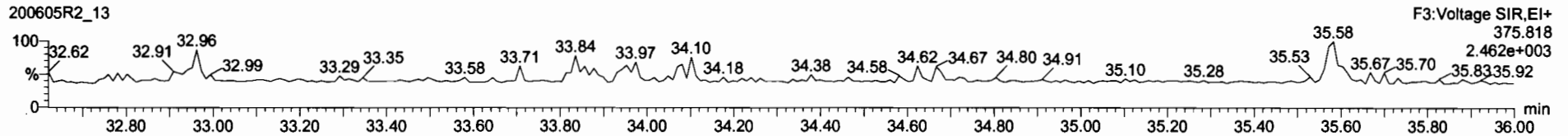
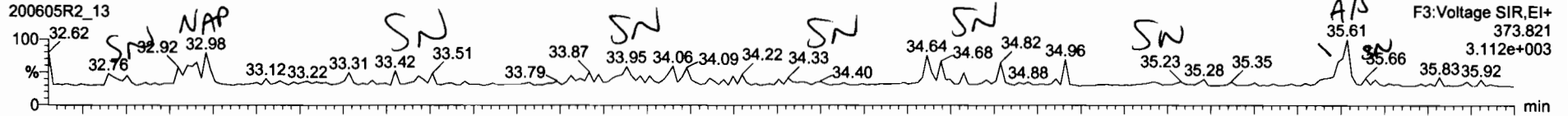


Dataset: Untitled

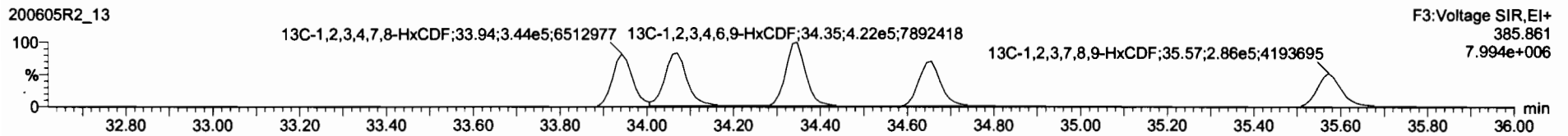
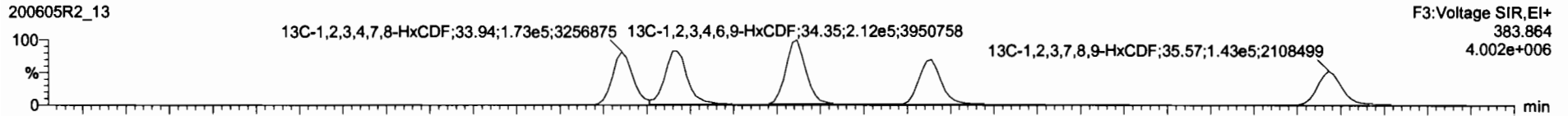
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

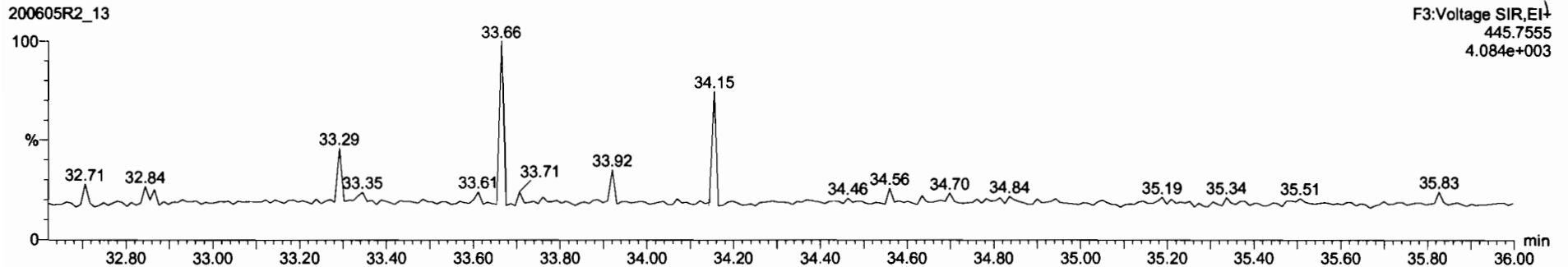
1,2,3,4,7,8-HxCDF

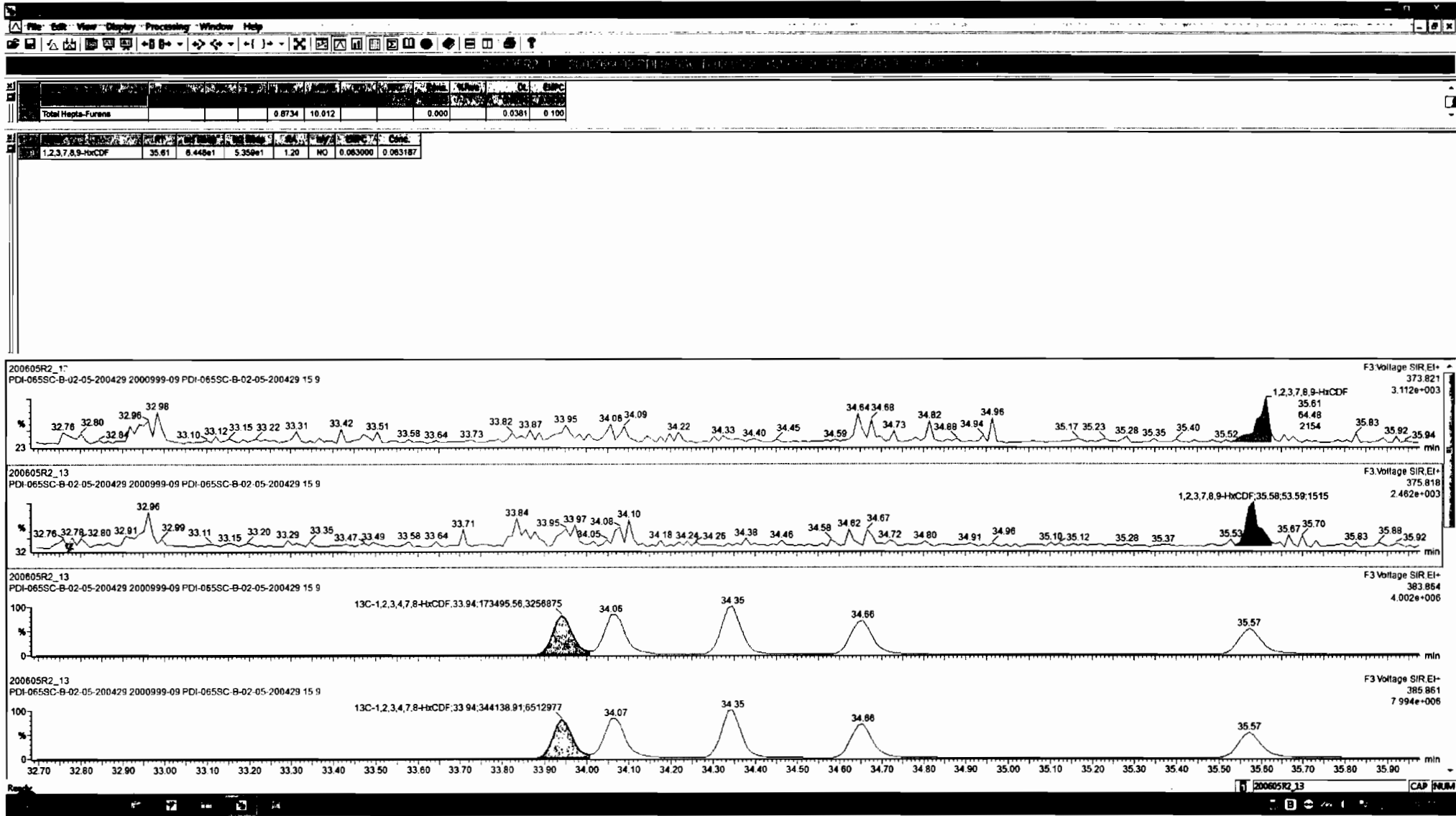


13C-1,2,3,4,7,8-HxCDF



DPE3





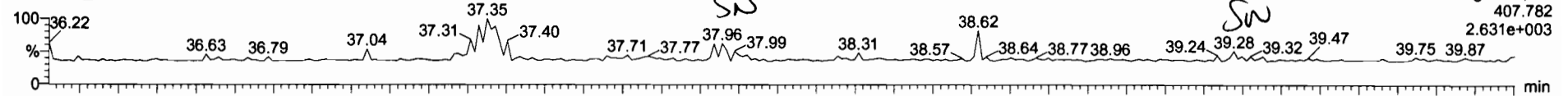
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

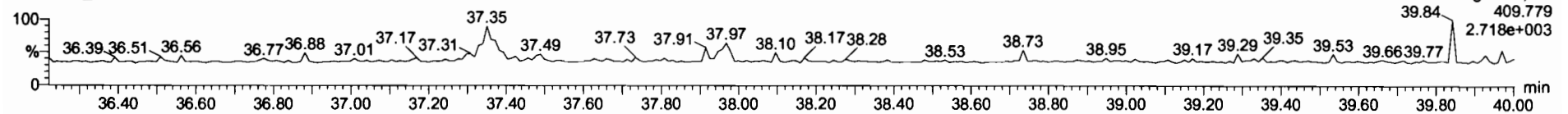
Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

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

200605R2_13

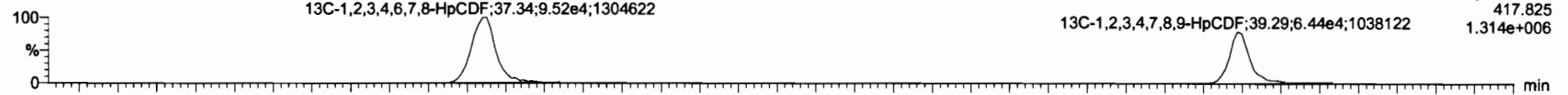


200605R2_13

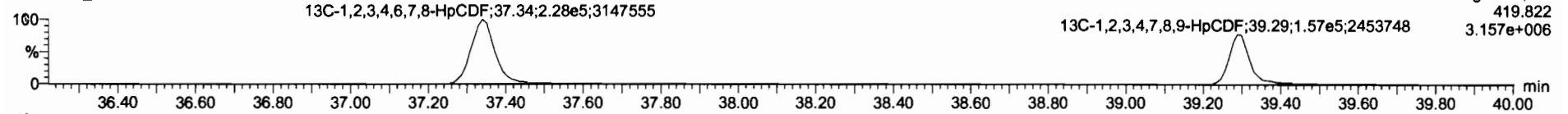


13C-1,2,3,4,6,7,8-HpCDF

200605R2_13

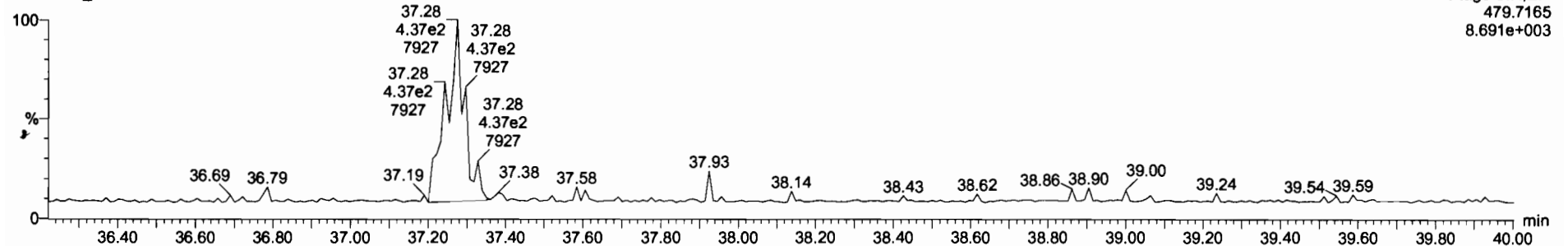


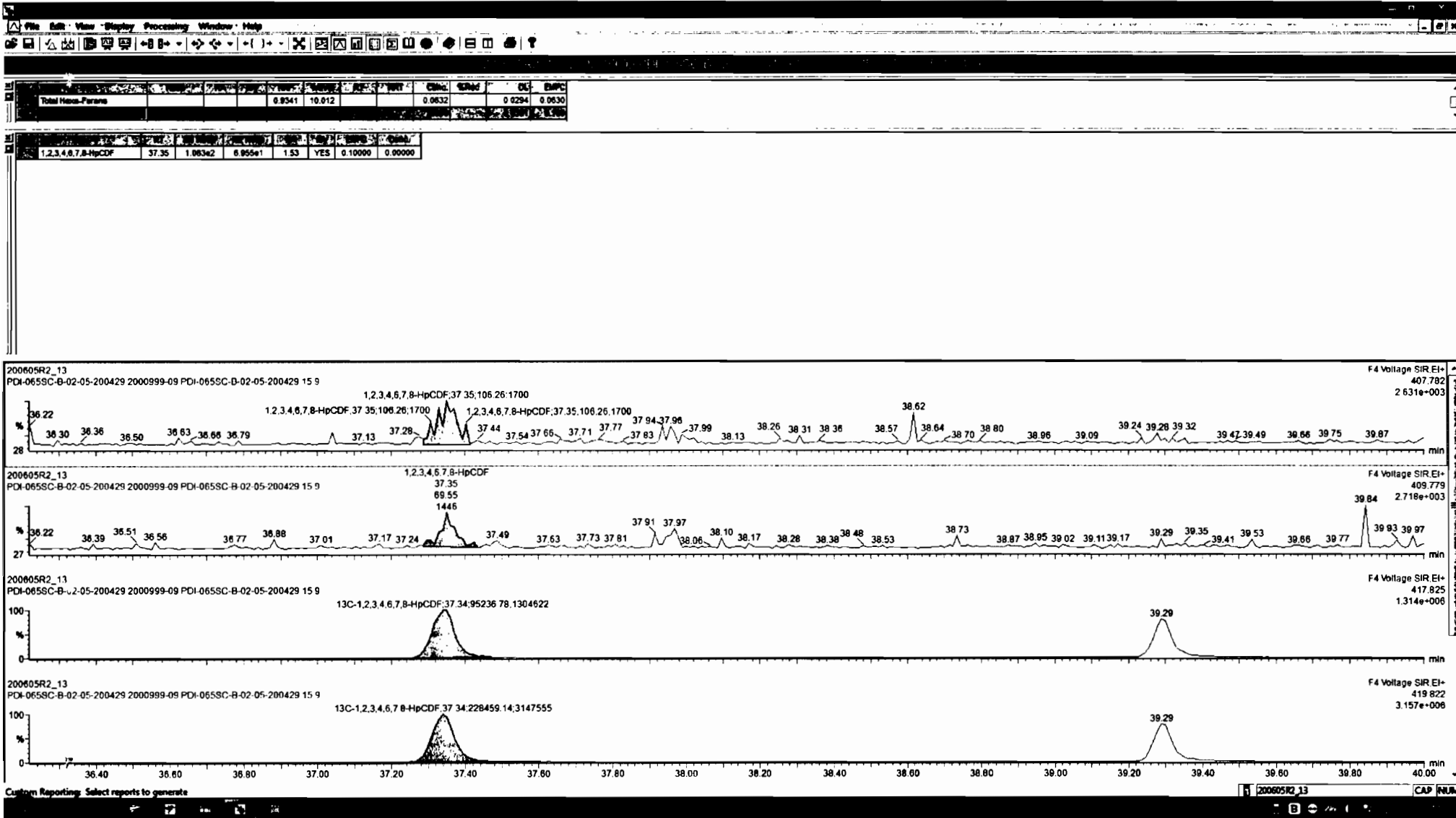
200605R2_13



DPE4

200605R2_13

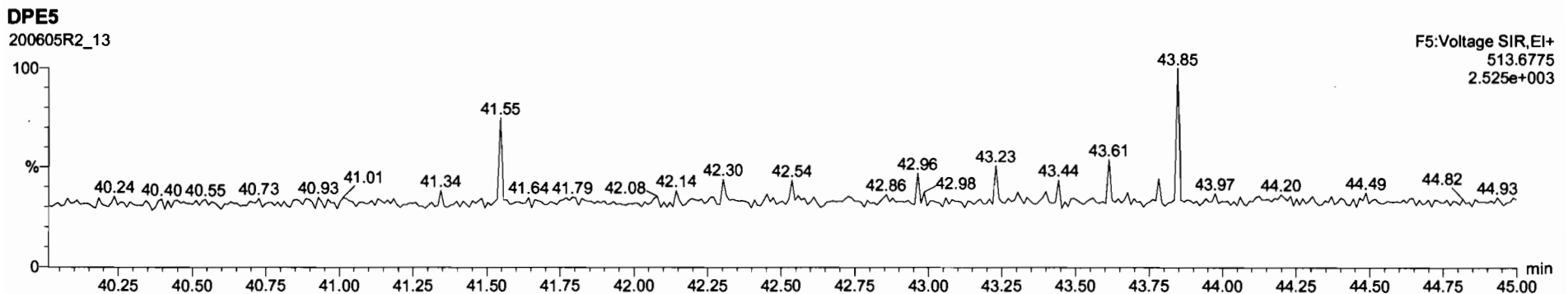
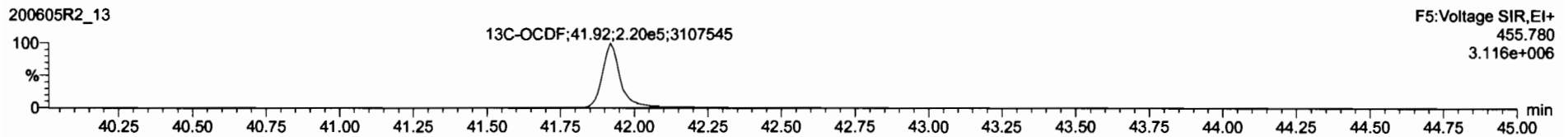
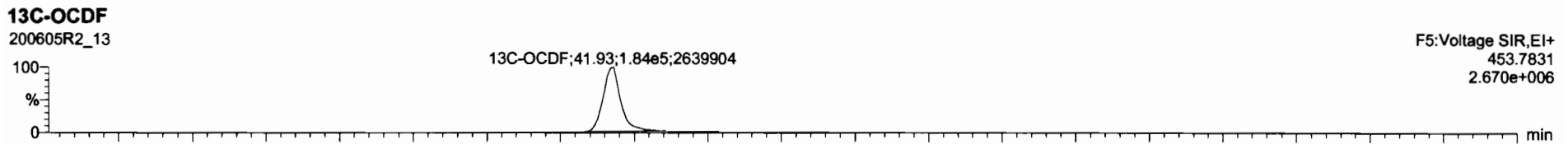
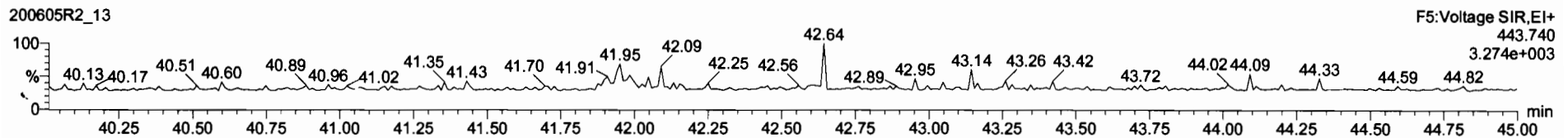
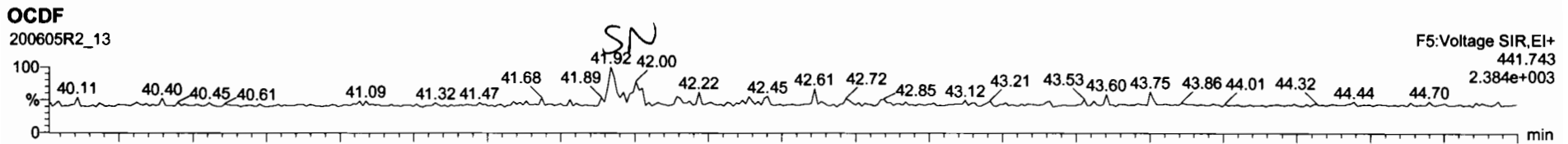




Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429



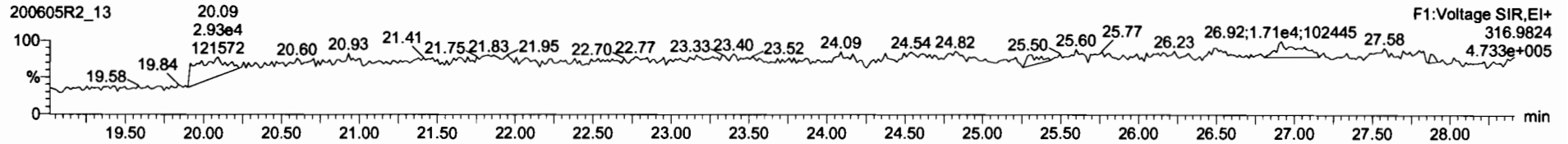
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

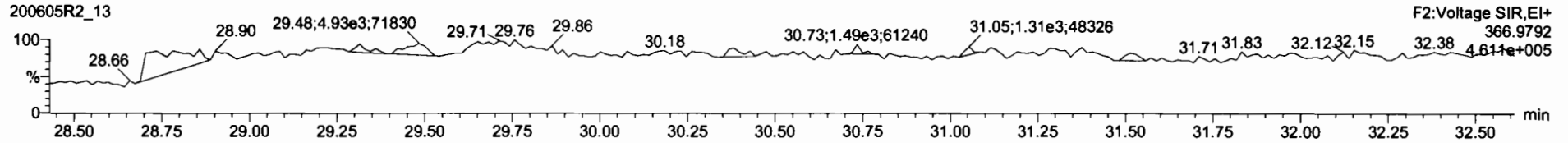
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_13, Date: 06-Jun-2020, Time: 07:37:23, ID: 2000999-09 PDI-065SC-B-02-05-200429 15.9, Description: PDI-065SC-B-02-05-200429

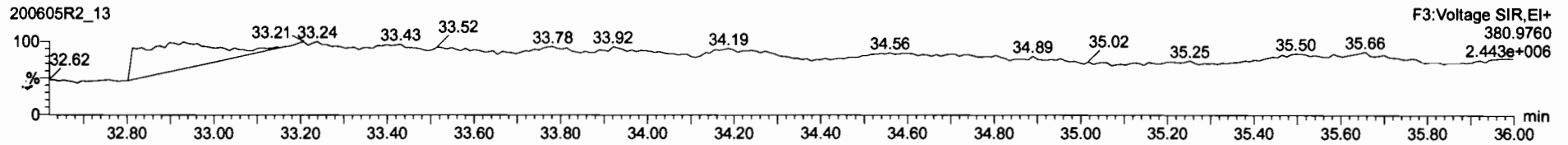
PFK1



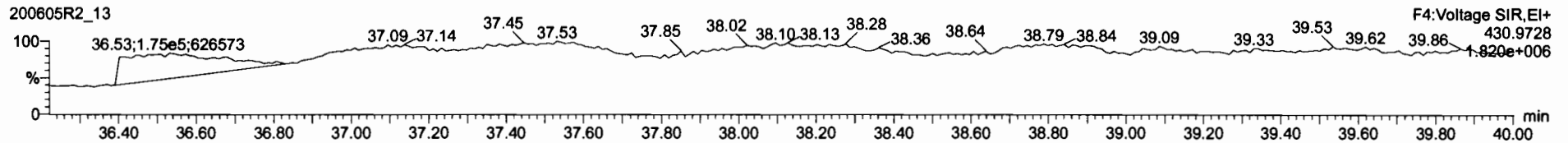
PFK2



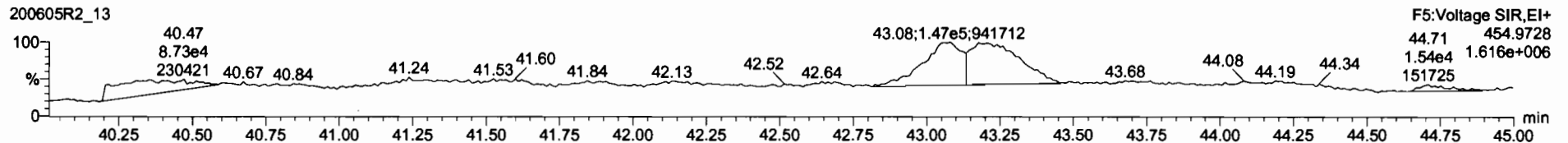
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-14.qld

Last Altered: Monday, June 08, 2020 11:15:08 Pacific Daylight Time
Printed: Monday, June 08, 2020 11:16:35 Pacific Daylight Time

GFB 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: 200605R2_14, Date: 06-Jun-2020, Time: 08:23:37, ID: B0E0100-DUP3 Duplicate 15.92, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RC	Pred.RRT	RRT	Conc	Unit	Conc	Unit
1	2,3,7,8-TCDD			NO	0.888	10.025	26.516		1.001				0.0665	
2	1,2,3,7,8-PeCDD			NO	0.908	10.025	31.473		1.001				0.0659	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.025	34.836		1.000				0.109	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.025	34.932		1.000				0.110	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.025	35.220		1.000				0.137	
6	1,2,3,4,6,7,8-HpCDD	1.35e3	1.03	NO	0.864	10.025	38.757	38.78	1.000	1.001	1.3038		0.155	1.30
7	OCDD	5.67e3	0.92	NO	0.914	10.025	41.727	41.74	1.000	1.000	10.410		0.527	10.4
8	2,3,7,8-TCDF			NO	0.751	10.025	25.612		1.001				0.0653	
9	1,2,3,7,8-PeCDF			NO	0.893	10.025	30.190		1.001				0.0461	
10	2,3,4,7,8-PeCDF			NO	0.935	10.025	31.177		1.001				0.0436	
11	1,2,3,4,7,8-HxCDF	1.08e2	0.98	YES	0.884	10.025	33.952	33.97	1.000	1.001	0.051252		0.0348	0.0459
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.025	34.079		1.000				0.0557	
13	2,3,4,6,7,8-HxCDF	7.39e1	1.32	NO	0.934	10.025	34.690	34.67	1.001	1.000	0.034405		0.0383	0.0344
14	1,2,3,7,8,9-HxCDF	8.86e1	1.16	NO	0.871	10.025	35.571	35.60	1.000	1.001	0.054556		0.0564	0.0546
15	1,2,3,4,6,7,8-HpCDF	2.62e2	1.25	YES	0.873	10.025	37.376	37.35	1.001	1.000	0.20080		0.0273	0.186
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.025	39.299		1.000				0.0817	
17	OCDF	1.54e2	0.84	NO	0.806	10.025	41.919	41.93	1.000	1.000	0.23987		0.127	0.240
18	13C-2,3,7,8-TCDD	7.38e5	0.78	NO	1.16	10.025	26.507	26.48	1.026	1.026	159.17	79.8	0.197	
19	13C-1,2,3,7,8-PeCDD	5.65e5	0.62	NO	0.849	10.025	31.692	31.45	1.227	1.218	166.12	83.3	0.235	
20	13C-1,2,3,4,7,8-HxCDD	3.64e5	1.28	NO	0.779	10.025	34.830	34.83	1.014	1.014	143.07	71.7	0.462	
21	13C-1,2,3,6,7,8-HxCDD	4.47e5	1.31	NO	1.02	10.025	34.944	34.93	1.017	1.017	134.52	67.4	0.354	
22	13C-1,2,3,7,8,9-HxCDD	3.74e5	1.20	NO	0.903	10.025	35.215	35.21	1.025	1.025	126.66	63.5	0.399	
23	13C-1,2,3,4,6,7,8-HpCDD	2.40e5	1.05	NO	0.689	10.025	38.739	38.74	1.128	1.128	106.36	53.3	0.355	
24	13C-OCDD	2.38e5	0.90	NO	0.652	10.025	41.761	41.73	1.216	1.215	111.63	28.0	0.407	
25	13C-2,3,7,8-TCDF	8.99e5	0.78	NO	1.06	10.025	25.549	25.59	0.989	0.991	147.80	74.1	0.207	
26	13C-1,2,3,7,8-PeCDF	8.08e5	1.59	NO	0.838	10.025	30.076	30.17	1.165	1.168	167.90	84.2	0.535	
27	13C-2,3,4,7,8-PeCDF	7.69e5	1.60	NO	0.817	10.025	31.029	31.15	1.202	1.206	164.05	82.2	0.549	
28	13C-1,2,3,4,7,8-HxCDF	4.74e5	0.50	NO	1.01	10.025	33.961	33.95	0.989	0.989	144.04	72.2	0.524	
29	13C-1,2,3,6,7,8-HxCDF	5.34e5	0.51	NO	1.17	10.025	34.085	34.07	0.992	0.992	140.12	70.2	0.453	
30	13C-2,3,4,6,7,8-HxCDF	4.59e5	0.50	NO	1.02	10.025	34.659	34.65	1.009	1.009	137.40	68.9	0.517	
31	13C-1,2,3,7,8,9-HxCDF	3.72e5	0.49	NO	0.860	10.025	35.558	35.57	1.035	1.036	132.40	66.4	0.615	

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-14.qld

Last Altered: Monday, June 08, 2020 11:15:08 Pacific Daylight Time
Printed: Monday, June 08, 2020 11:16:35 Pacific Daylight Time

Name: 200605R2_14, Date: 06-Jun-2020, Time: 08:23:37, ID: B0E0100-DUP3 Duplicate 15.92, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Concn	RF	DF
32	13C-1,2,3,4,6,7,8-HpCDF	2.91e5	0.42	NO	0.774	10.025	37.307	37.34	1.086	1.087	114.82	57.6	0.457
33	13C-1,2,3,4,7,8,9-HpCDF	1.84e5	0.44	NO	0.521	10.025	39.336	39.30	1.145	1.144	108.01	54.1	0.679
34	13C-OCDF	3.18e5	0.88	NO	0.746	10.025	41.933	41.92	1.221	1.220	130.32	32.7	0.312
35	37Cl-2,3,7,8-TCDD	2.58e5			1.04	10.025	26.538	26.51	1.028	1.027	62.177	77.9	0.0408
36	13C-1,2,3,4-TCDD	8.00e5	0.80	NO	1.00	10.025	25.890	25.83	1.000	1.000	199.50	100	0.227
37	13C-1,2,3,4-TCDF	1.15e6	0.78	NO	1.00	10.025	24.360	24.15	1.000	1.000	199.50	100	0.219
38	13C-1,2,3,4,6,9-HxCDF	6.52e5	0.49	NO	1.00	10.025	34.420	34.35	1.000	1.000	199.50	100	0.528
39	Total Tetra-Dioxins				0.888	10.025	24.620		0.000		0.61329		0.0665 0.613
40	Total Penta-Dioxins				0.908	10.025	29.960		0.000		0.15595		0.0281 0.304
41	Total Hexa-Dioxins				0.892	10.025	33.635		0.000		1.4949		0.123 1.49
42	Total Hepta-Dioxins				0.864	10.025	37.640		0.000		3.4817		0.155 3.48
43	Total Tetra-Furans				0.751	10.025	23.610		0.000		0.35852		0.0653 0.359
44	1st Func. Penta-Furans				0.893	10.025	27.580		0.000				0.00975
45	Total Penta-Furans				0.893	10.025	29.275		0.000				0.0220
46	Total Hexa-Furans				0.934	10.025	33.555		0.000		0.16320		0.0381 0.218
47	Total Hepta-Furans				0.873	10.025	37.835		0.000		0.00000		0.0302 0.186

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-14.qld

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 Printed: Monday, June 08, 2020 11:16:35 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: 200605R2_14, Date: 06-Jun-2020, Time: 08:23:37, ID: B0E0100-DUP3 Duplicate 15.92, Description: Duplicate

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.49	4.227e3	3.261e3	2.297e2	2.609e2	0.88	NO	4.906e2	0.14933	0.14933	0.0665
Total Tetra-Dioxins	22.94	2.377e3	2.554e3	2.452e2	2.851e2	0.86	NO	5.303e2	0.16140	0.16140	0.0665
Total Tetra-Dioxins	24.33	4.656e3	1.124e4	3.958e2	5.982e2	0.66	NO	9.941e2	0.30256	0.30256	0.0665

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.22	2.710e3	4.540e3	1.540e2	2.473e2	0.62	NO	4.013e2	0.15595	0.15595	0.0281
Total Penta-Dioxins	29.71	2.543e3	6.691e3	1.476e2	3.013e2	0.49	YES	0.000e0	0.00000	0.14843	0.0281

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	33.33	1.964e4	1.799e4	9.580e2	8.316e2	1.15	NO	1.790e3	1.0131	1.0131	0.123
Total Hexa-Dioxins	34.17	8.575e3	6.440e3	4.515e2	3.995e2	1.13	NO	8.510e2	0.48175	0.48175	0.123

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.74	1.589e4	2.001e4	1.073e3	1.187e3	0.90	NO	2.259e3	2.1780	2.1780	0.155
1,2,3,4,6,7,8-HpCDD	38.78	1.155e4	1.177e4	6.876e2	6.649e2	1.03	NO	1.353e3	1.3038	1.3038	0.155

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	21.50	6.262e3	7.175e3	5.422e2	6.704e2	0.81	NO	1.213e3	0.35852	0.35852	0.0653

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-14.qld

Last Altered: Monday, June 08, 2020 11:15:08 Pacific Daylight Time
 Printed: Monday, June 08, 2020 11:16:35 Pacific Daylight Time

Name: 200605R2_14, Date: 06-Jun-2020, Time: 08:23:37, ID: B0E0100-DUP3 Duplicate 15.92, Description: Duplicate

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
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Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.96	1.829e3	1.484e3	9.113e1	6.872e1	1.33	NO	1.598e2	0.074237	0.074237	0.0381
1,2,3,4,7,8-HxCDF	33.97	1.071e3	1.662e3	5.338e1	5.438e1	0.98	YES	1.078e2	0.00000	0.045860	0.0348
2,3,4,6,7,8-HxCDF	34.67	1.285e3	1.213e3	4.208e1	3.184e1	1.32	NO	7.392e1	0.034405	0.034405	0.0383
1,2,3,7,8,9-HxCDF	35.60	1.103e3	1.153e3	4.760e1	4.095e1	1.16	NO	8.856e1	0.054556	0.054556	0.0564
Total Hexa-Furans	35.62	1.432e3	6.590e2	2.254e1	8.962e0	2.51	YES	0.000e0	0.00000	0.00932...	0.0381

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	37.35	2.161e3	2.222e3	1.456e2	1.162e2	1.25	YES	2.618e2	0.00000	0.18637	0.0273

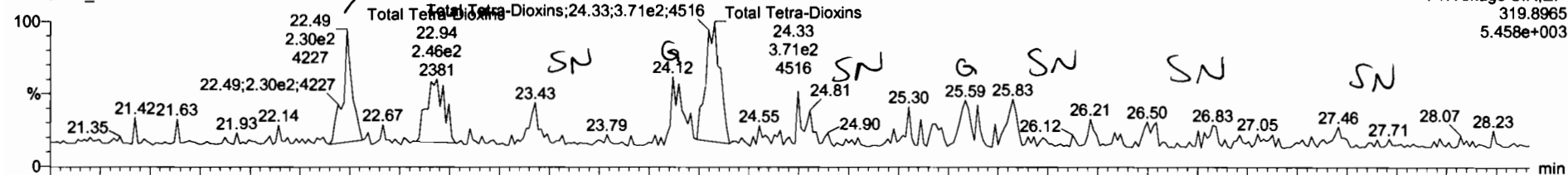
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

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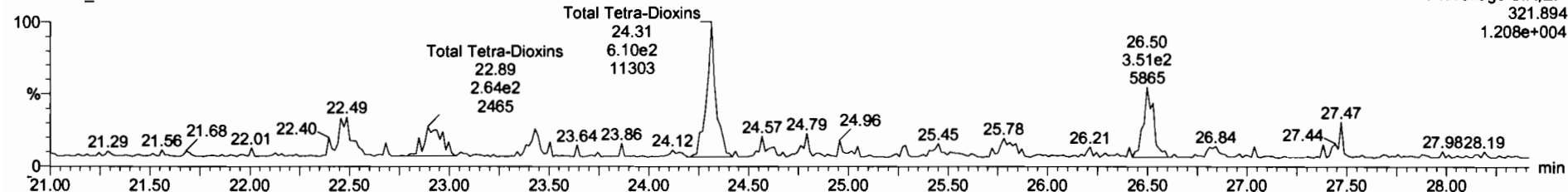
2,3,7,8-TCDD

200605R2_14



F1:Voltage SIR,EI+
319.8965
5.458e+003

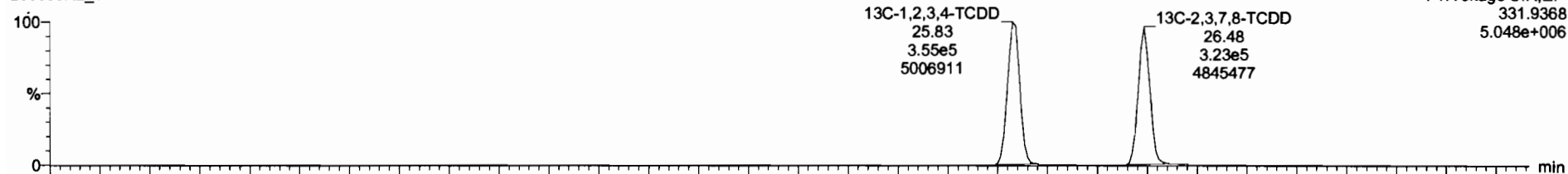
200605R2_14



F1:Voltage SIR,EI+
321.894
1.208e+004

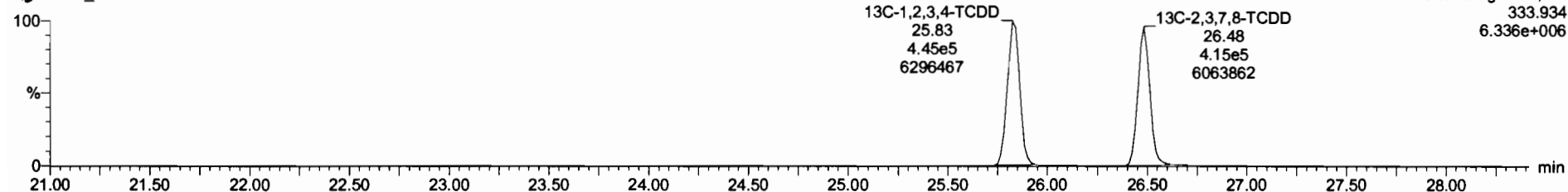
13C-2,3,7,8-TCDD

200605R2_14

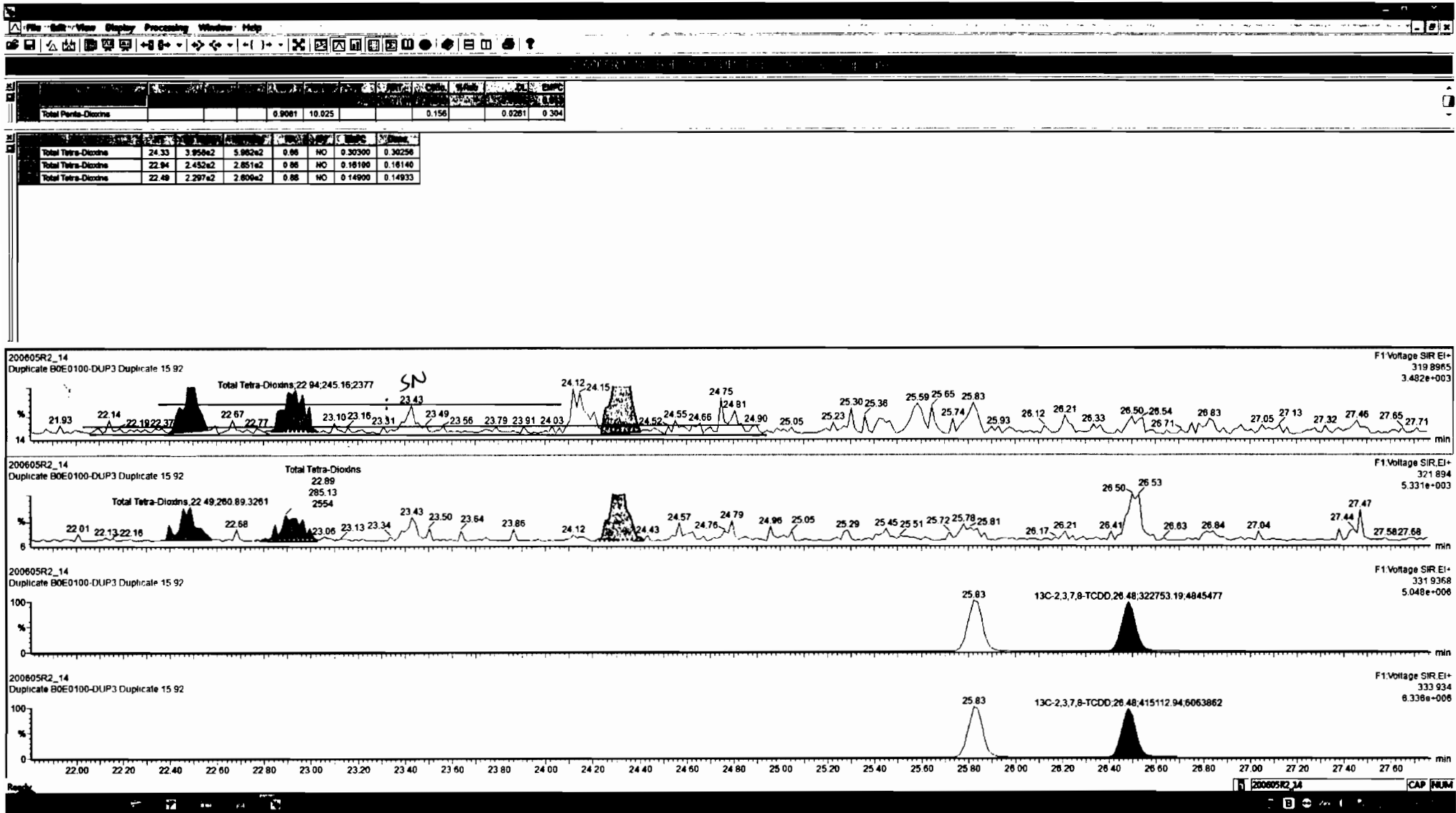


F1:Voltage SIR,EI+
331.9368
5.048e+006

200605R2_14



F1:Voltage SIR,EI+
333.934
6.336e+006



Dataset: Untitled

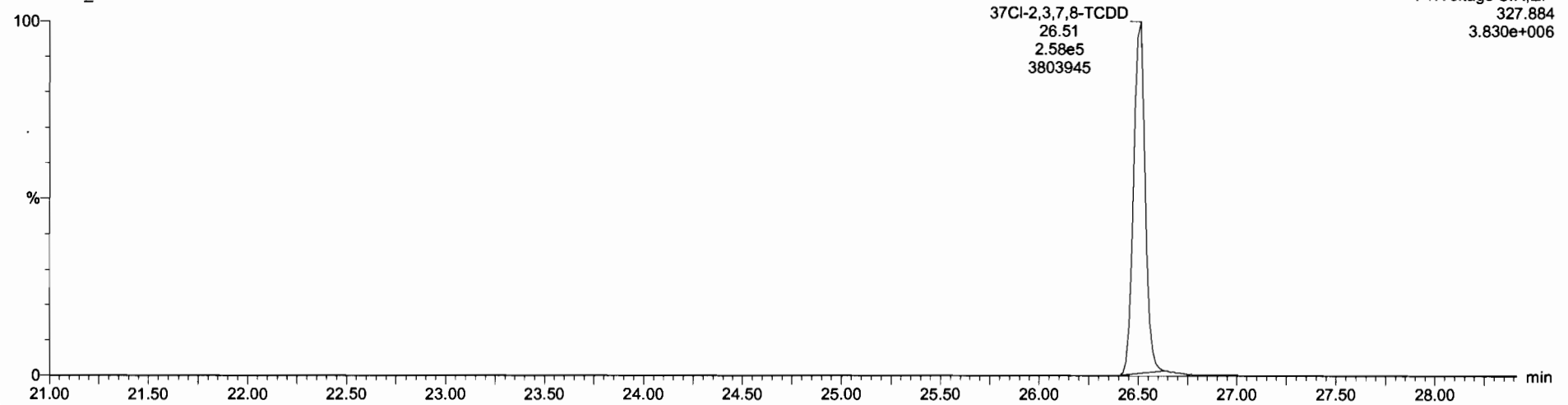
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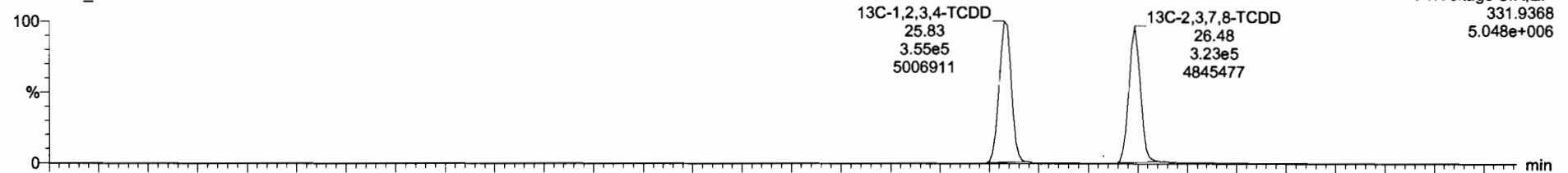
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200605R2_14

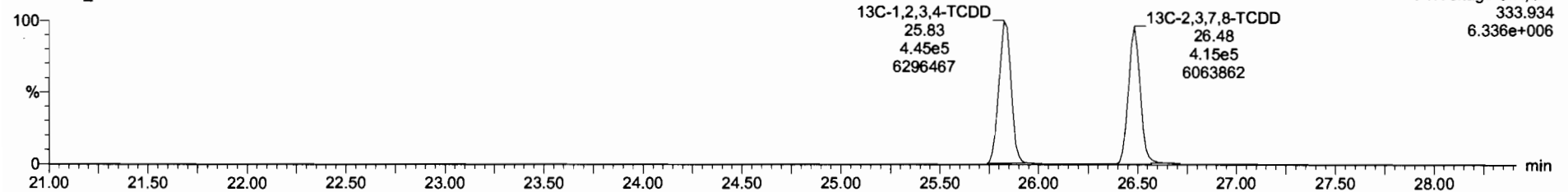


13C-1,2,3,4-TCDD

200605R2_14



200605R2_14



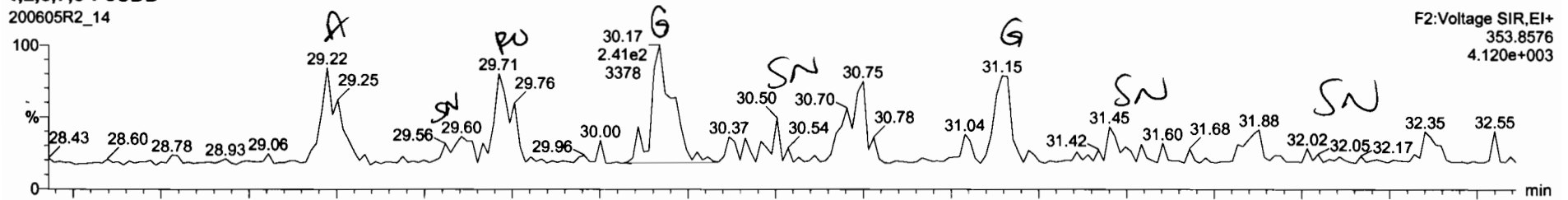
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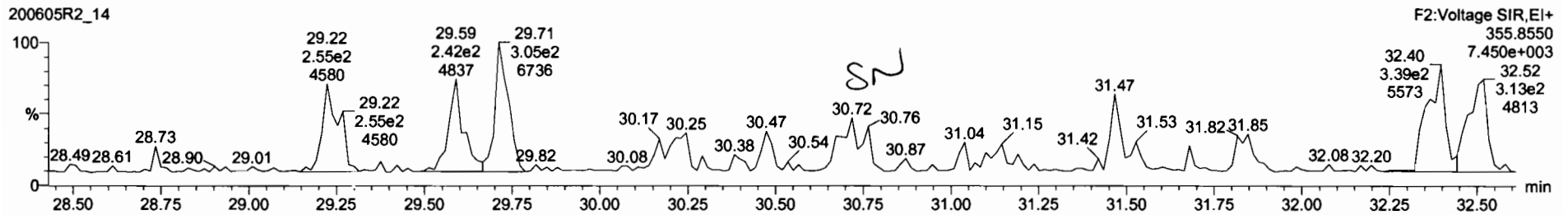
1,2,3,7,8-PeCDD

200605R2_14



F2: Voltage SIR, EI+
353.8576
4.120e+003

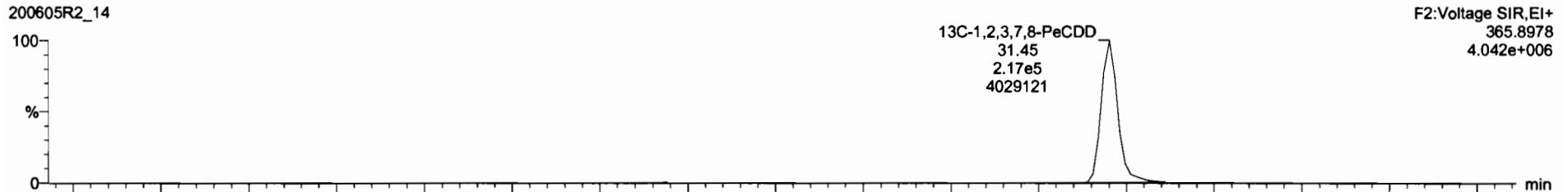
200605R2_14



F2: Voltage SIR, EI+
355.8550
7.450e+003

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

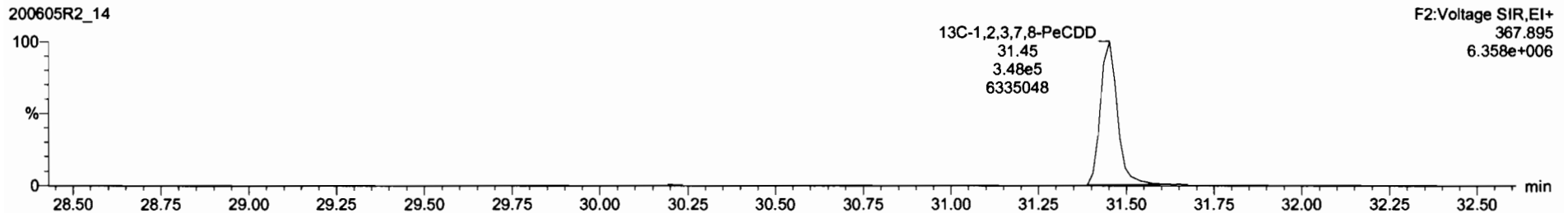
200605R2_14



13C-1,2,3,7,8-PeCDD
31.45
2.17e5
4029121

F2: Voltage SIR, EI+
365.8978
4.042e+006

200605R2_14

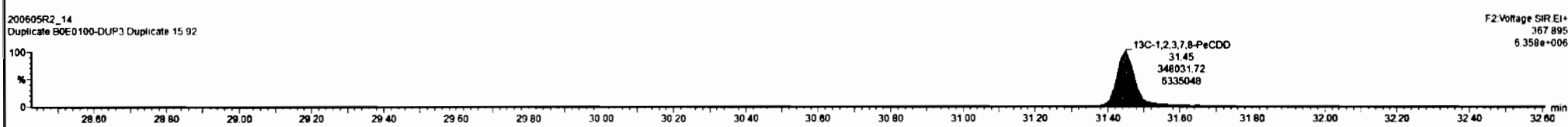
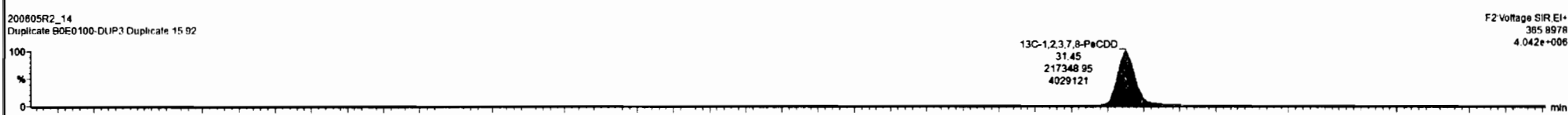
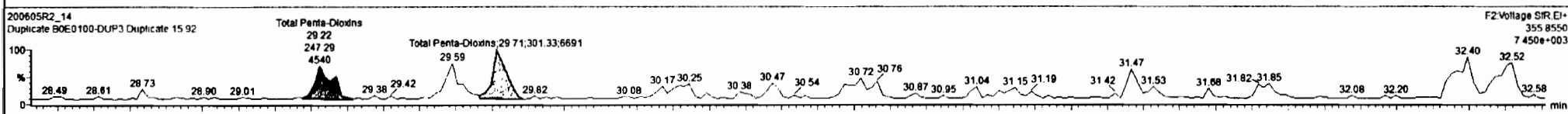
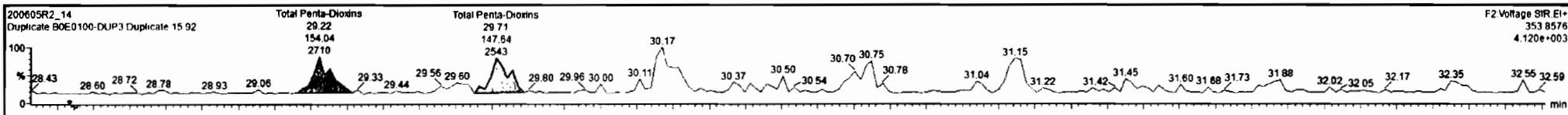


13C-1,2,3,7,8-PeCDD
31.45
3.48e5
6335048

F2: Voltage SIR, EI+
367.895
6.358e+006

Sample	Area	Height	Width	Ret	Conc	Wt%	DL	EMPC
Total Tetra-Dioxins	0.8083	10.025		0.613		0.0065	0.613	

Sample	Area	Height	Width	Ret	Conc	Wt%	DL	EMPC
Total Penta-Dioxins	29.22	1.540e2	2.473e2	0.82	NO	0.15600	0.15595	
Total Penta-Dioxins	29.71	1.478e2	3.013e2	0.49	YES	0.14800	0.00000	



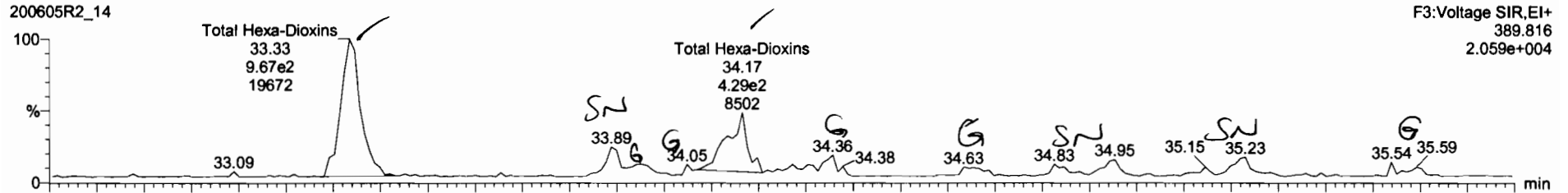
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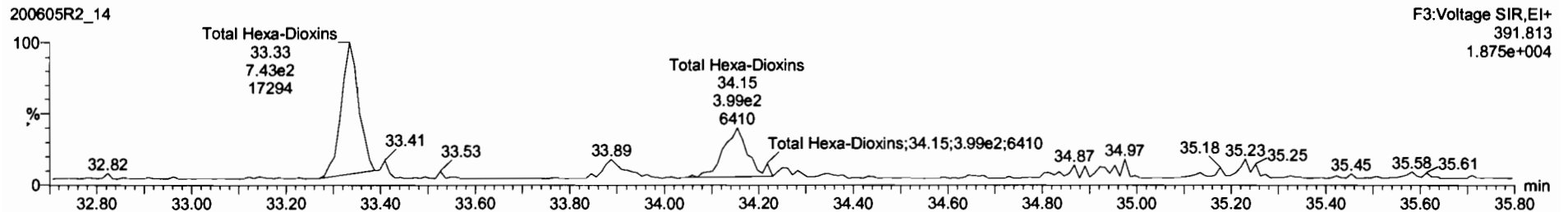
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1,2,3,4,7,8-HxCDD

200605R2_14

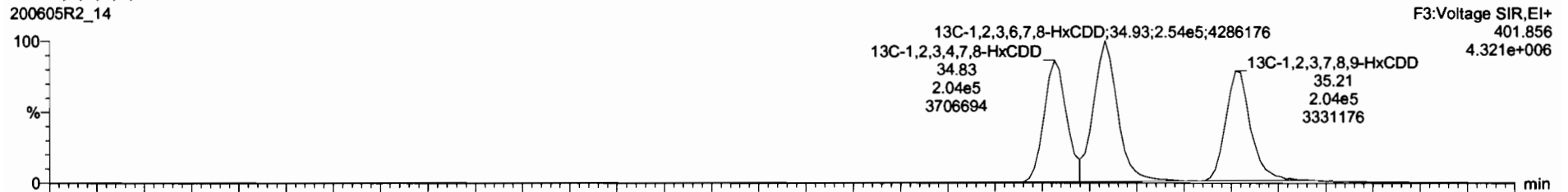


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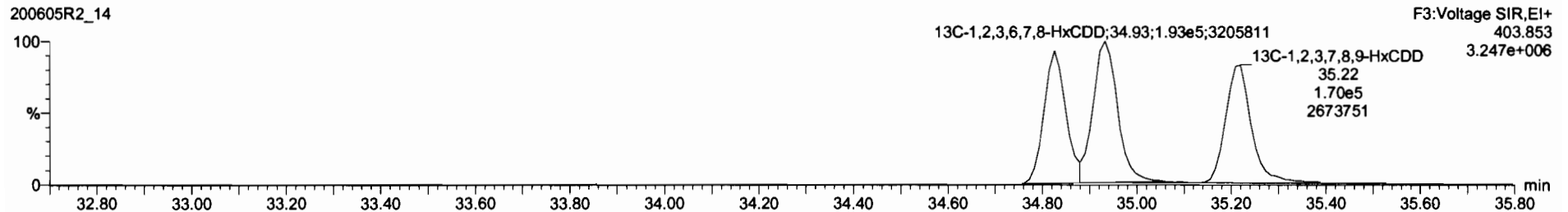


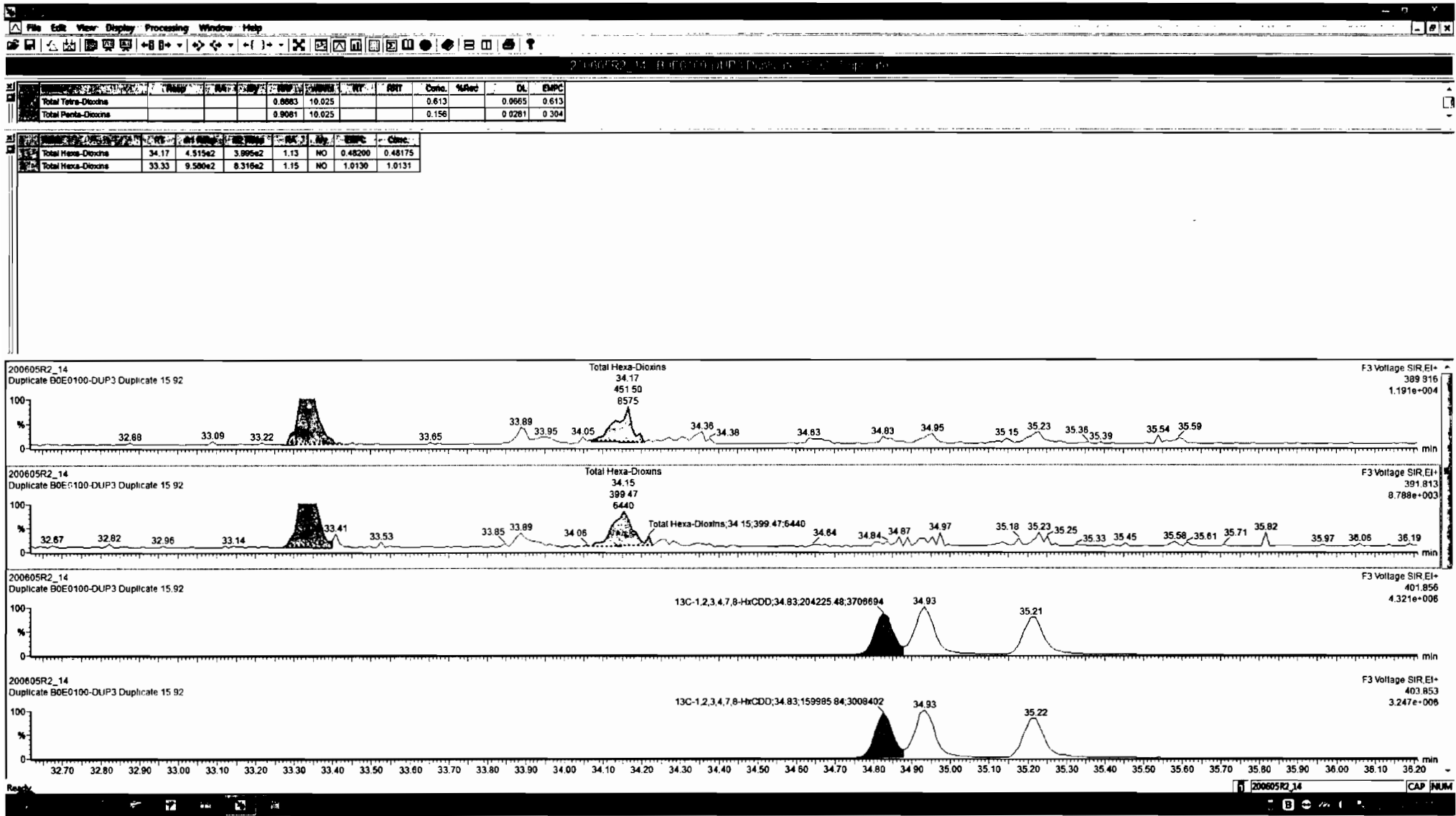
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200605R2_14



200605R2_14





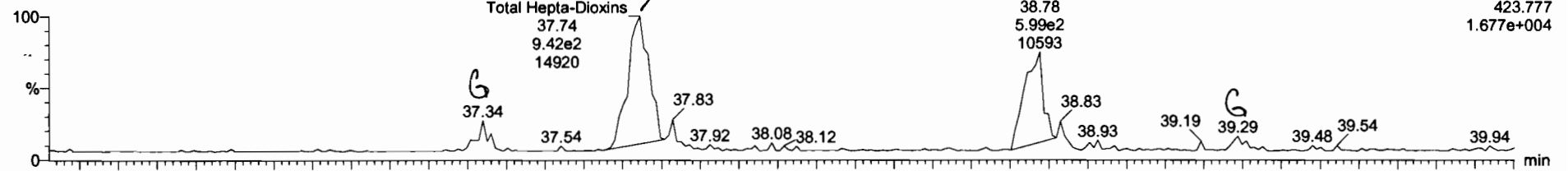
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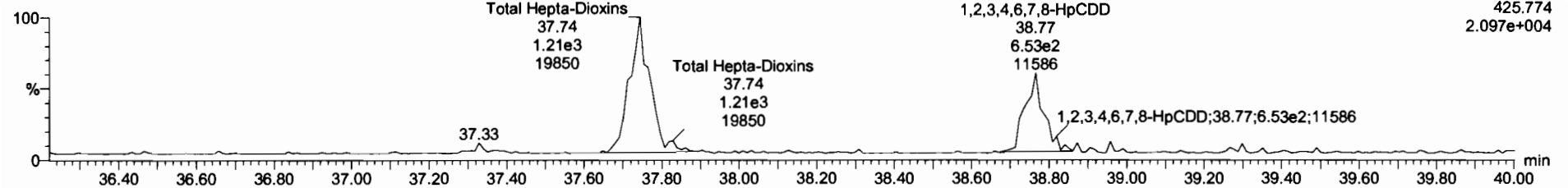
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1,2,3,4,6,7,8-HpCDD

200605R2_14

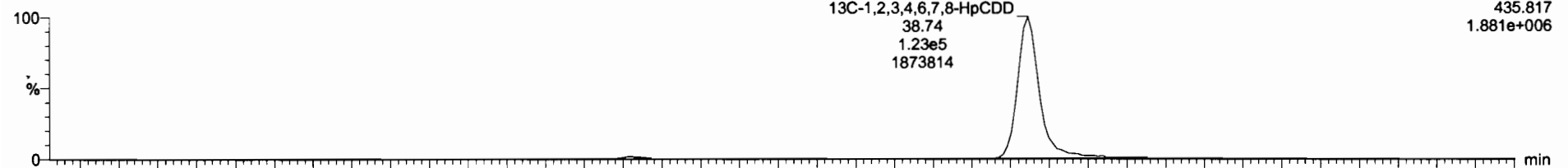


200605R2_14

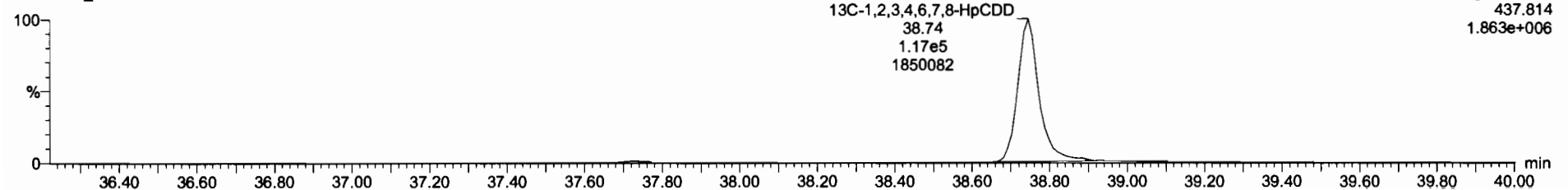


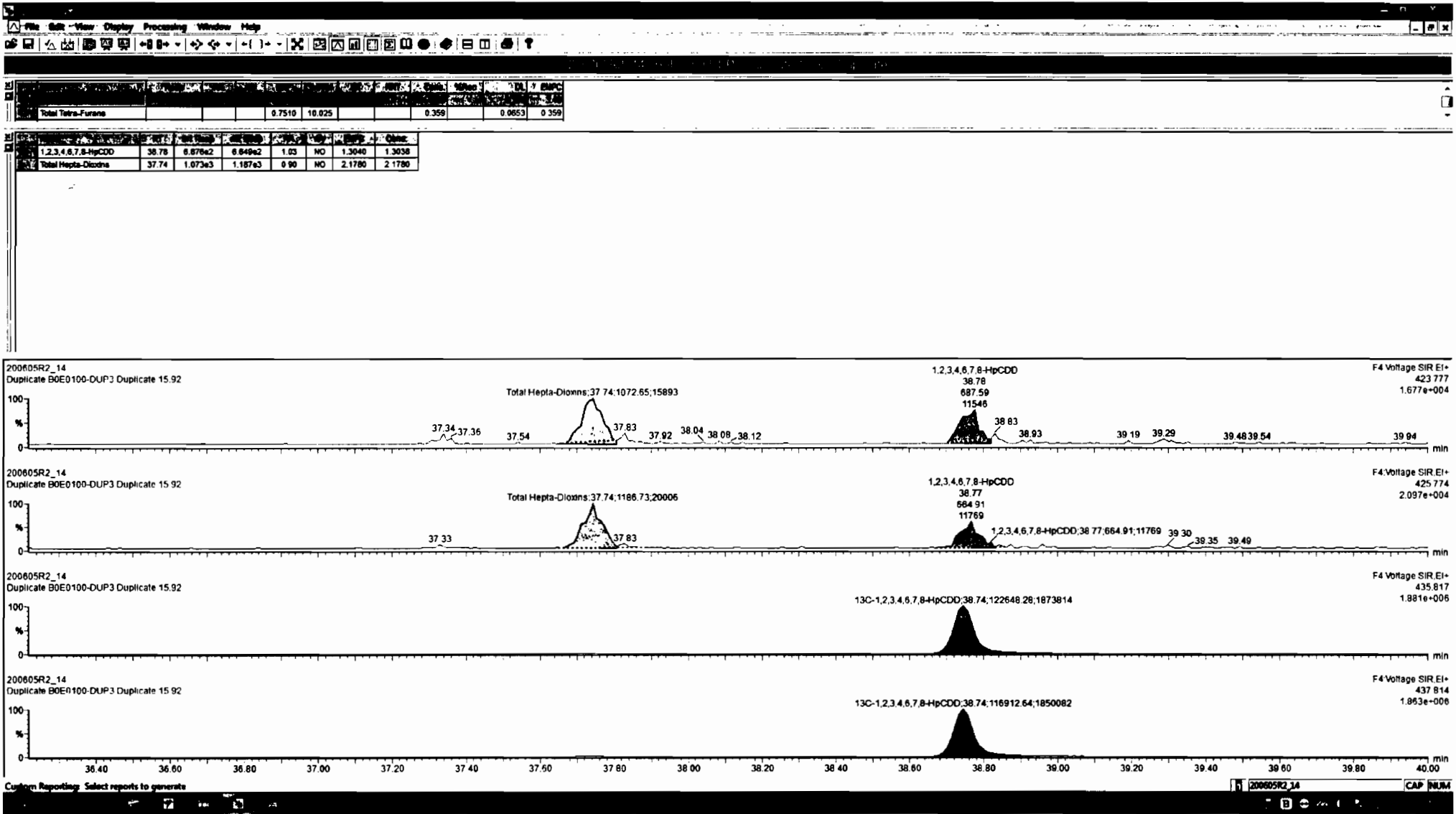
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200605R2_14



200605R2_14

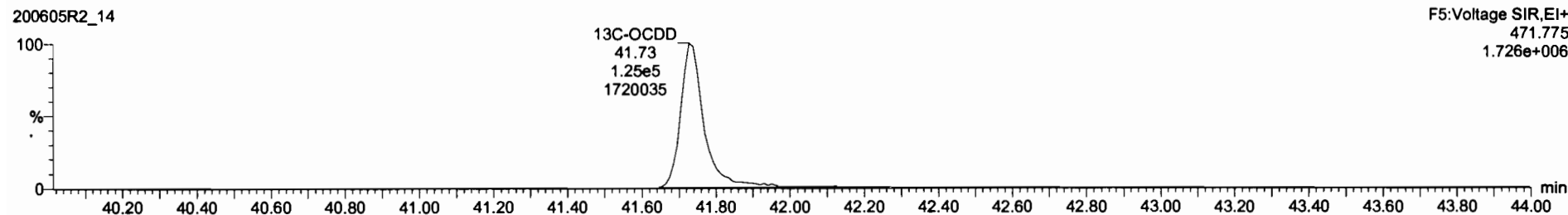
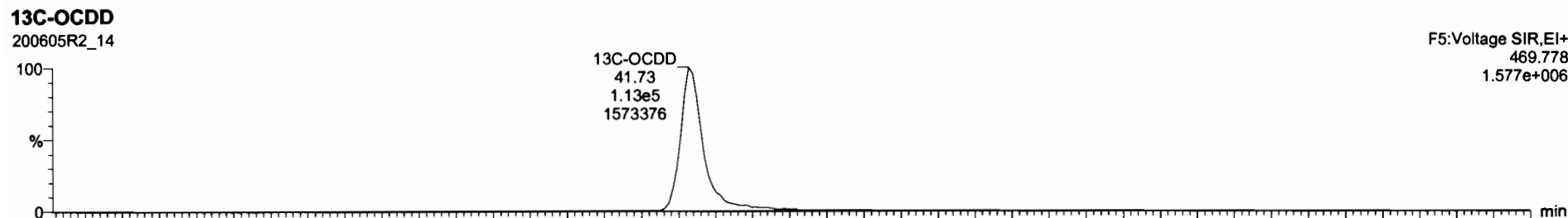
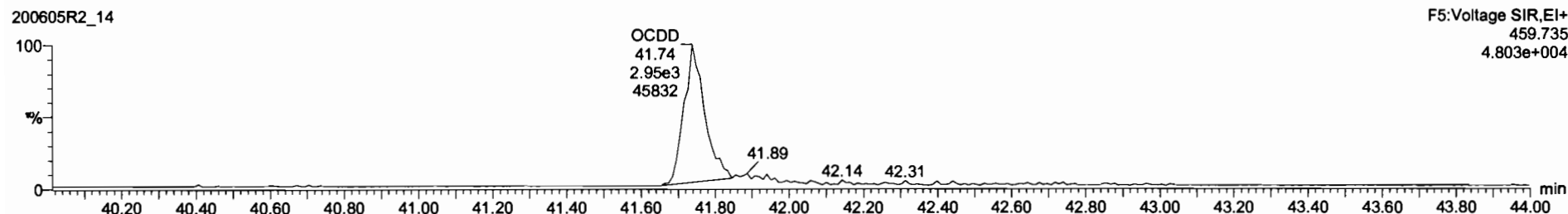
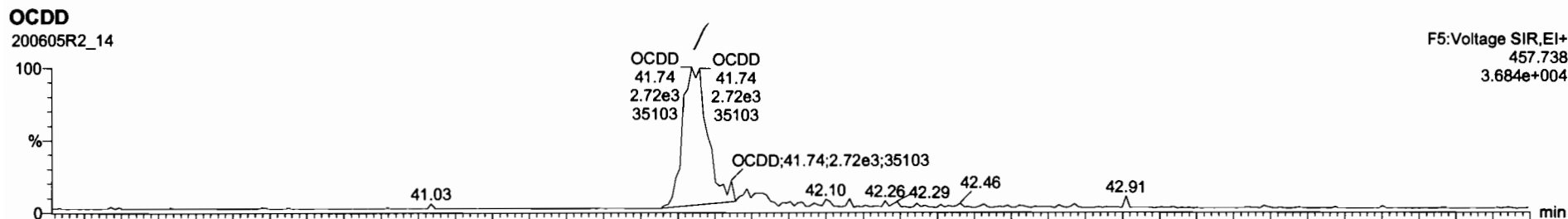




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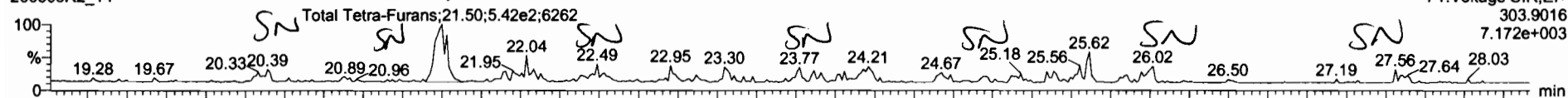
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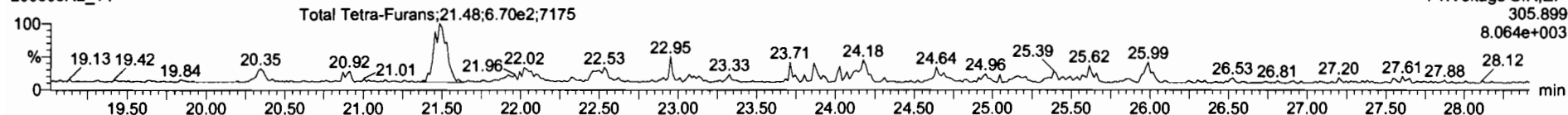
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2,3,7,8-TCDF

200605R2_14

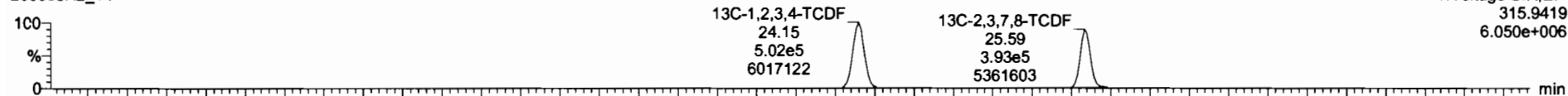


200605R2_14

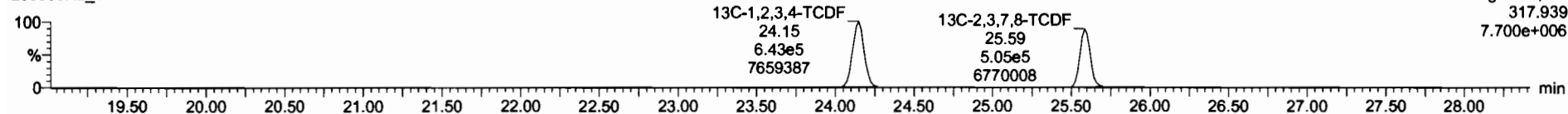


13C-2,3,7,8-TCDF

200605R2_14

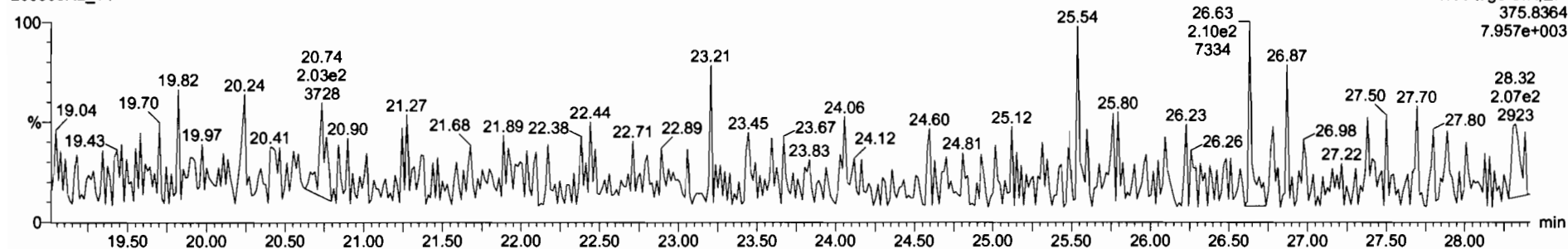


200605R2_14



DPE1

200605R2_14



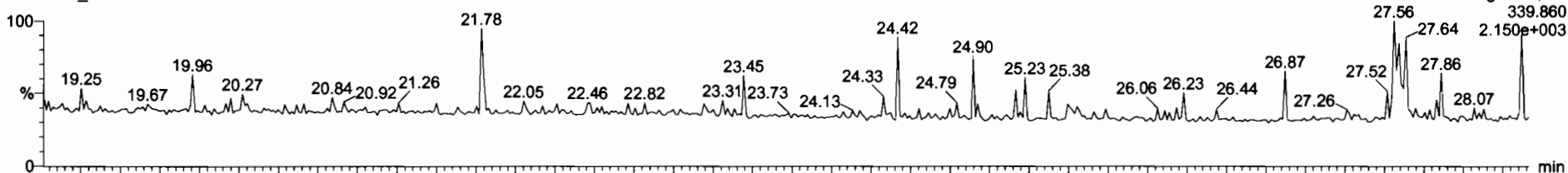
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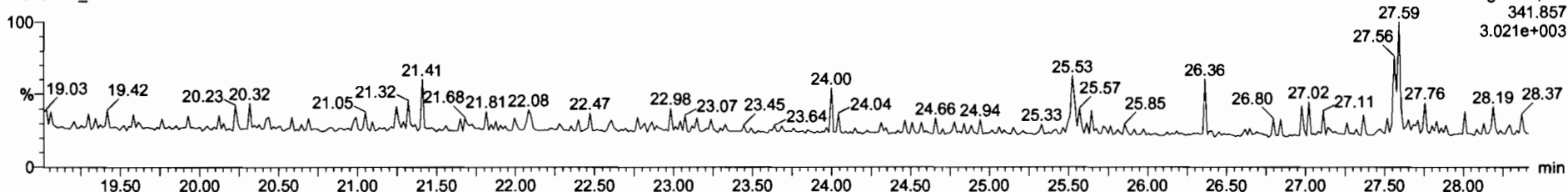
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1st Func. Penta-Furans

200605R2_14

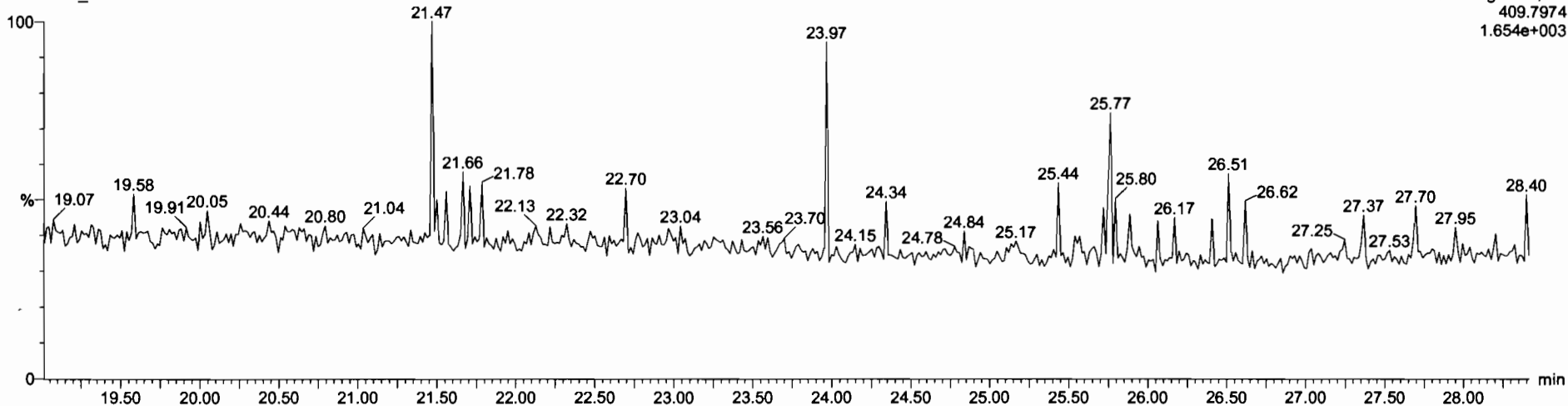


200605R2_14



DPE6

200605R2_14



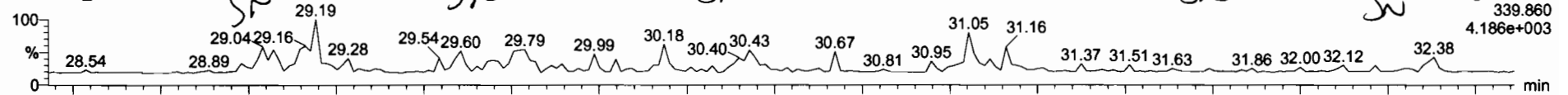
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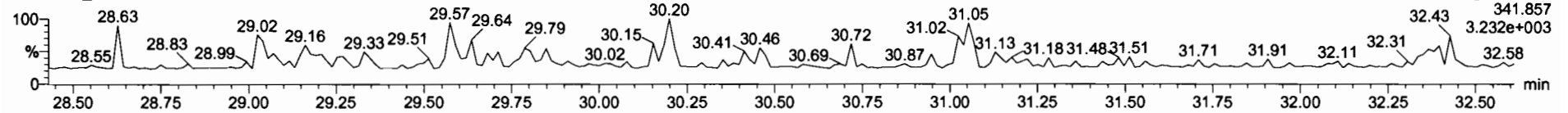
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1,2,3,7,8-PeCDF

200605R2_14

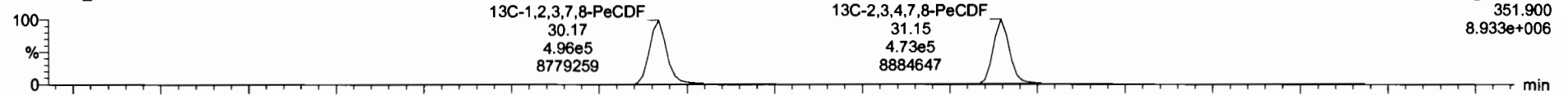


200605R2_14

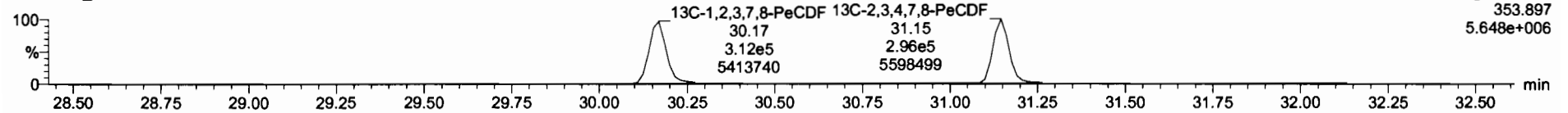


13C-1,2,3,7,8-PeCDF

200605R2_14

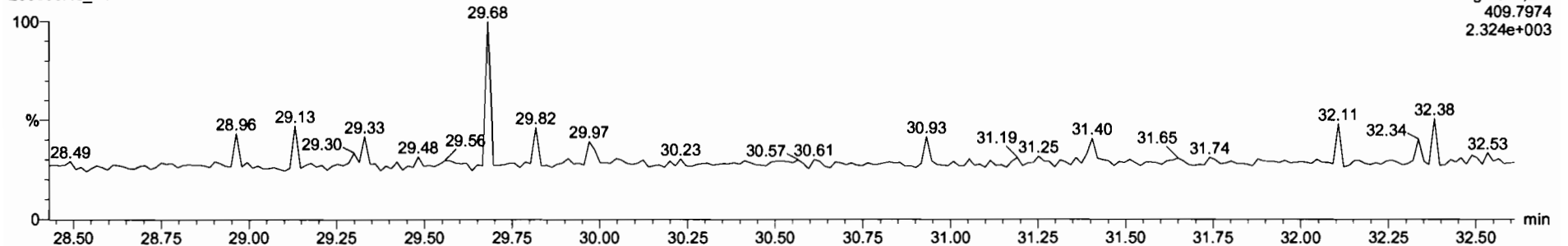


200605R2_14



DPE2

200605R2_14



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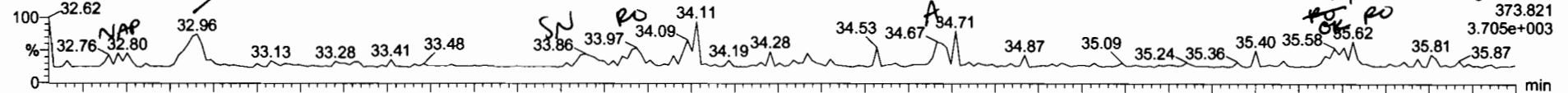
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

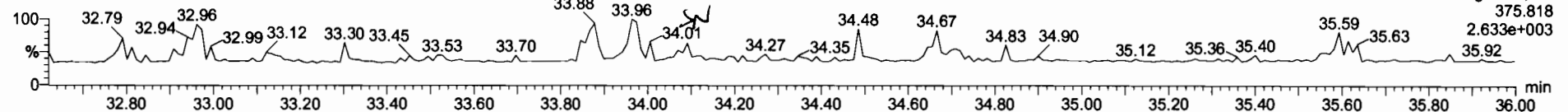
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1,2,3,4,7,8-HxCDF

200605R2_14

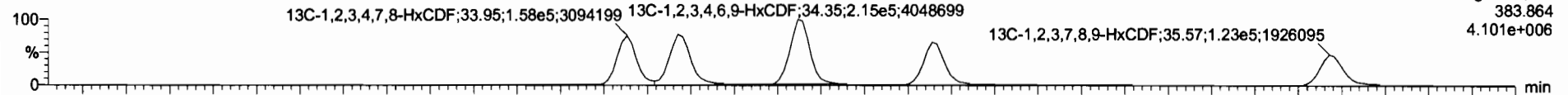


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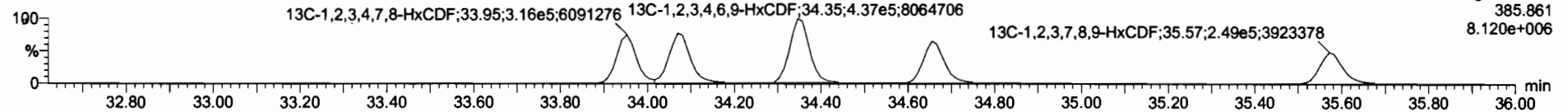


13C-1,2,3,4,7,8-HxCDF

200605R2_14

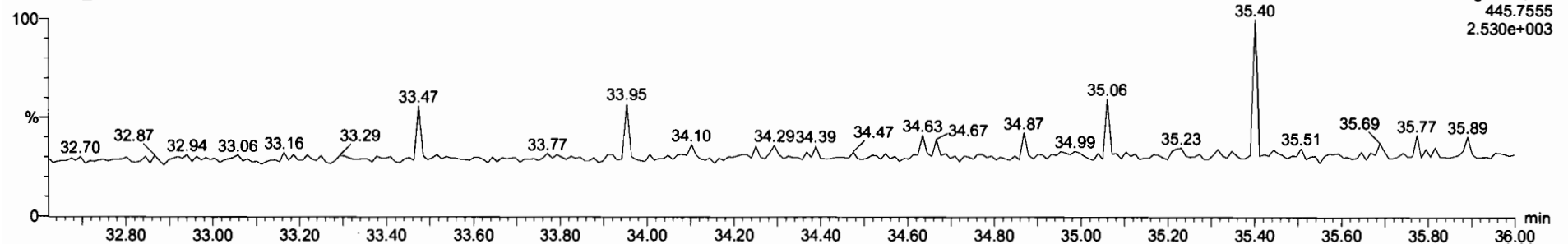


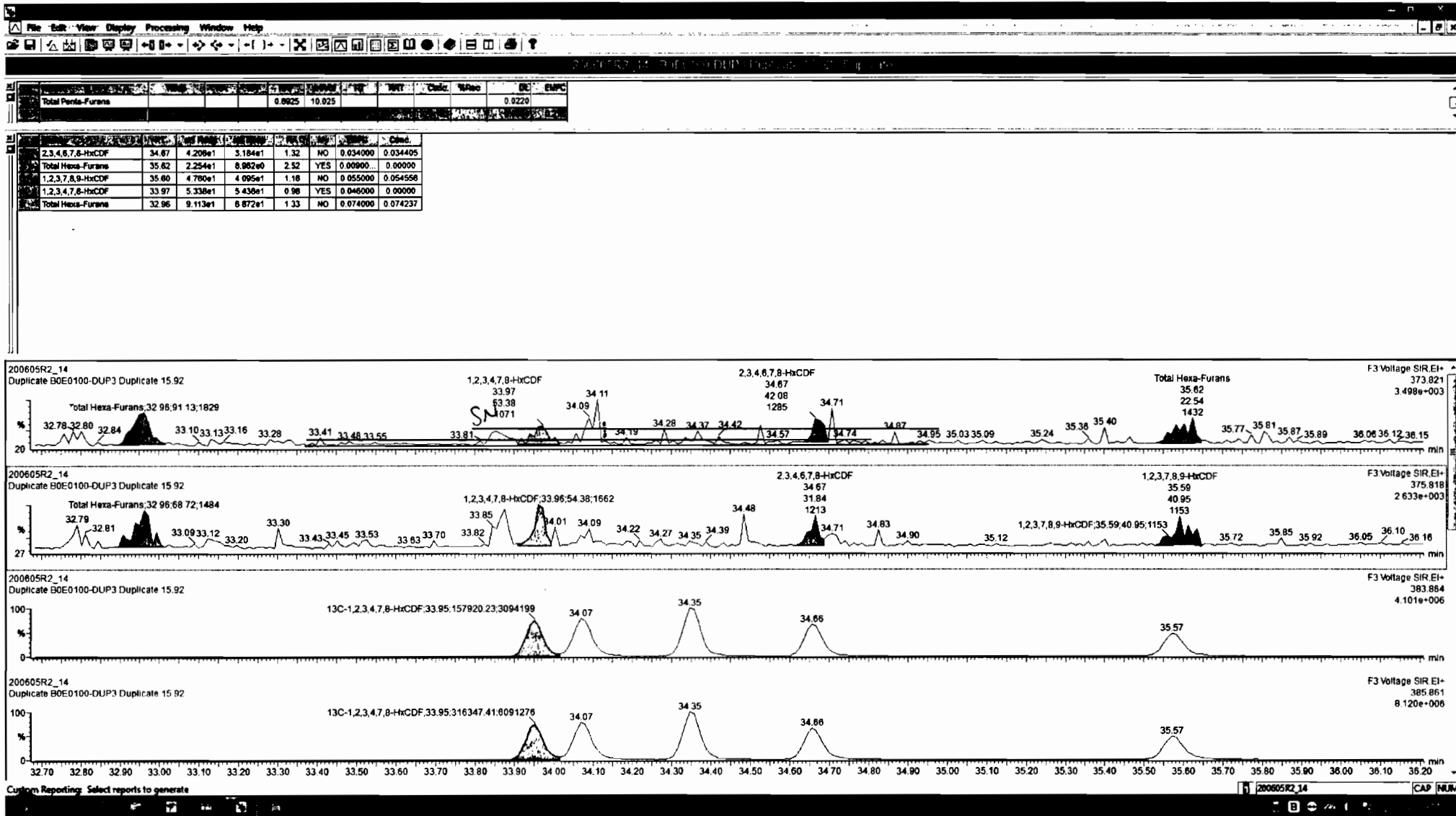
200605R2_14



DPE3

200605R2_14





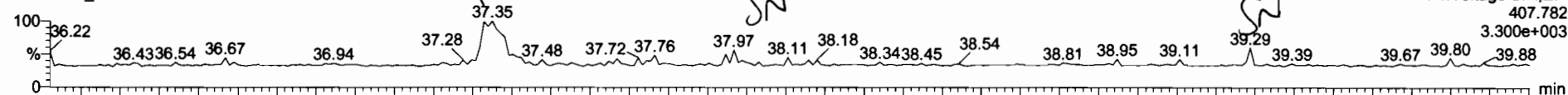
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

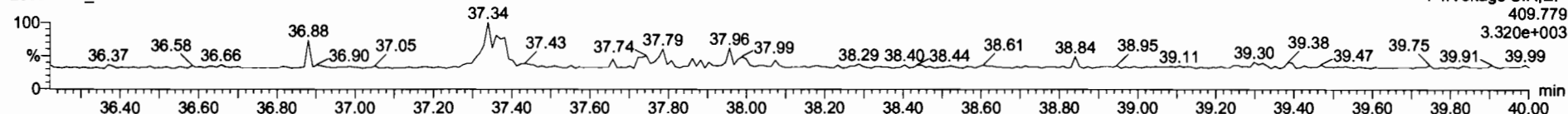
Name: 200605R2_14, Date: 06-Jun-2J20, Time: 08:23:37, ID: B0E0100-DUP3 Duplicate 15.92, Description: Duplicate

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

200605R2_14



200605R2_14

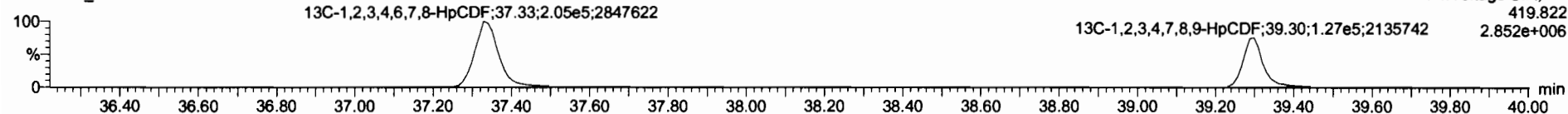


13C-1,2,3,4,6,7,8-HpCDF

200605R2_14

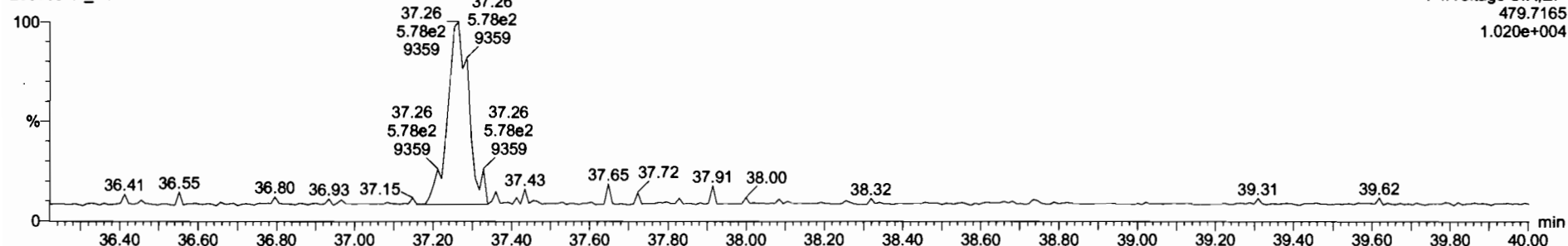


200605R2_14



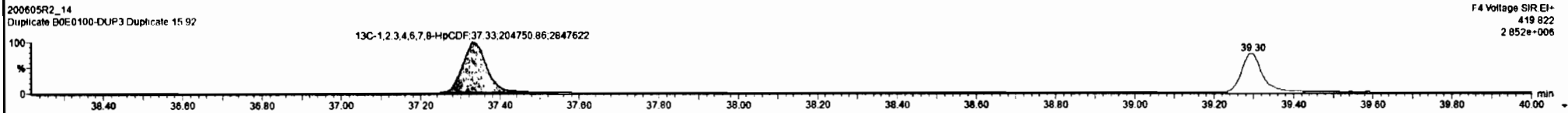
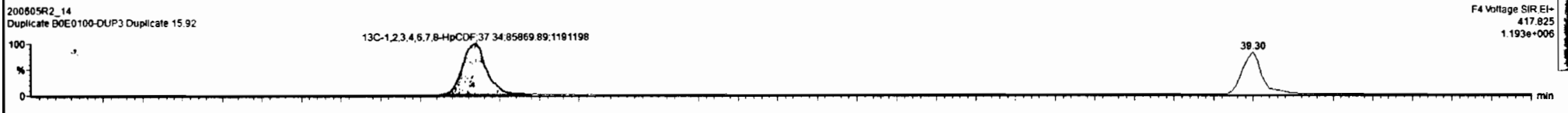
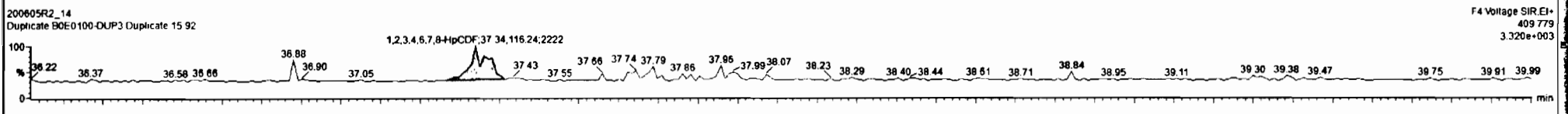
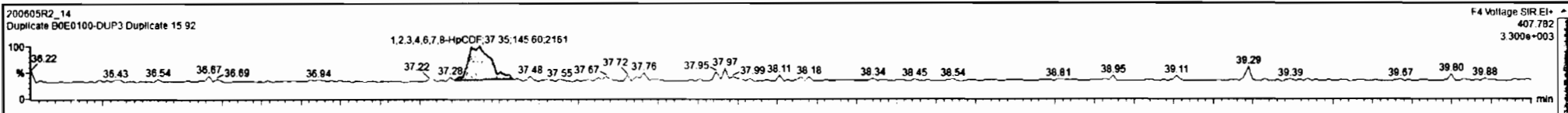
DPE4

200605R2_14



Comp	Area	Height	W	RT	WRT	Conc	StDev	DL	EMPC
Total Penta-Furans				0.8925	10.025			0.0220	
Total Hexa-Furans				0.9341	10.025	0.163		0.0361	0.218

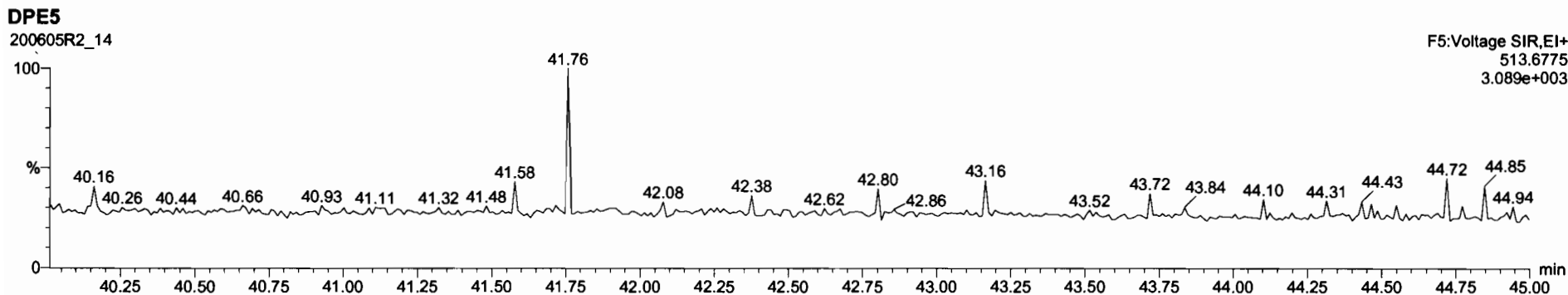
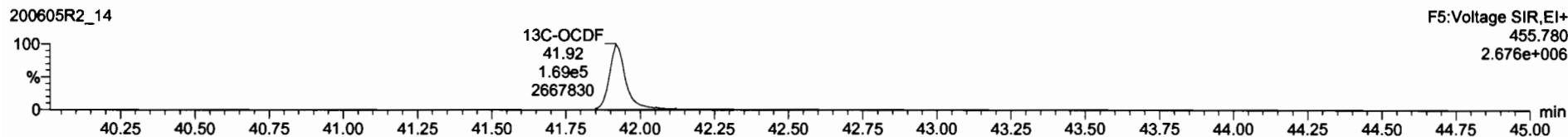
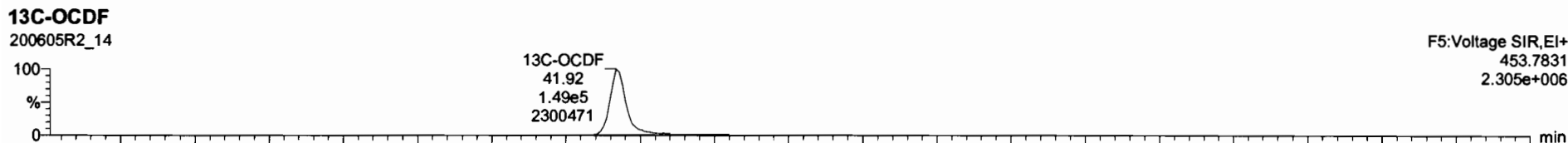
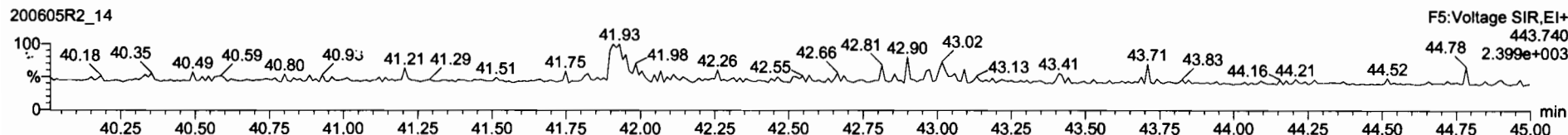
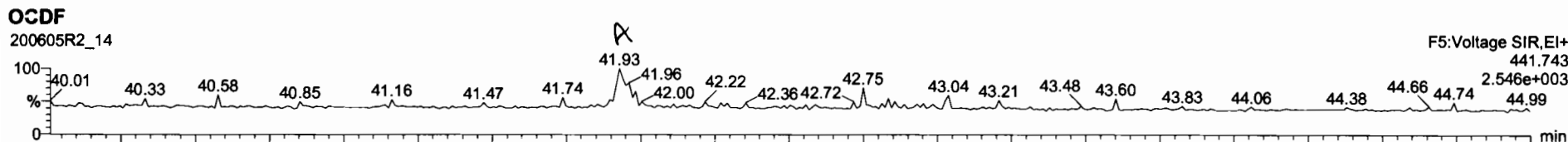
Comp	Area	Height	W	RT	WRT	Conc	StDev	DL	EMPC
1,2,3,4,6,7,8-HpCDF	37.35	1.496e2	1.162e2	1.25	YES	0.18600	0.00000		



Dataset: Untitled

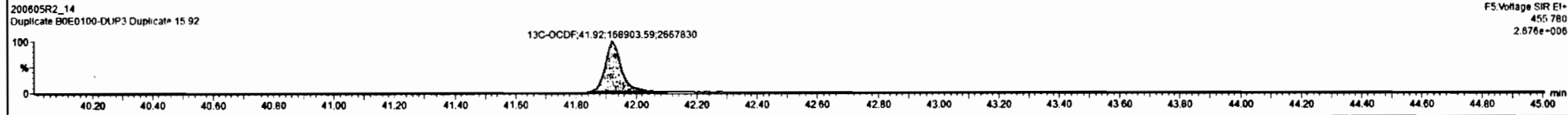
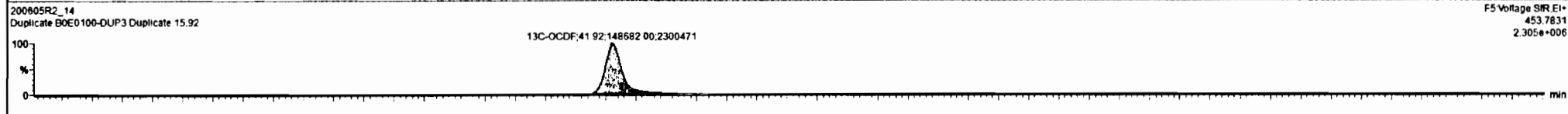
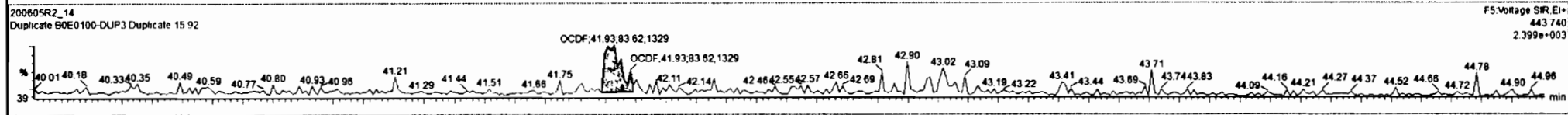
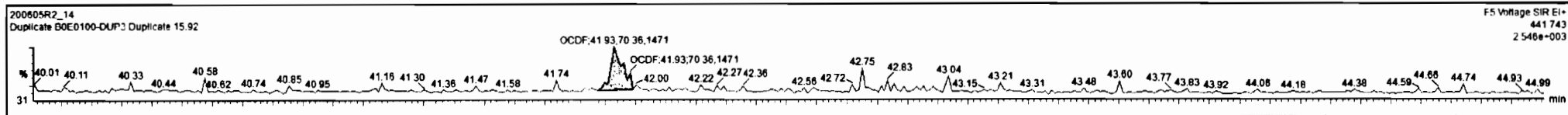
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_14, Date: 06-Jun-2020, Time: 08:23:37, ID: B0E0100-DUP3 Duplicate 15.92, Description: Duplicate



Cont.	%Res	DL	EMPC
13C-2,3,7,8-TCDD	7.30e5	0.78	NO
	1.1563	10.925	28.48
	1.626	159	79.8
			0.197

Cont.

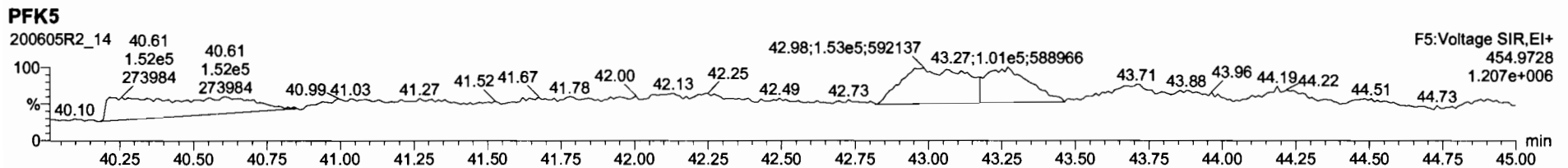
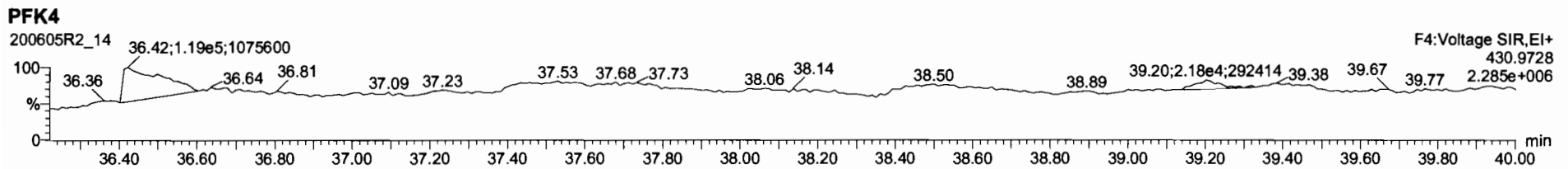
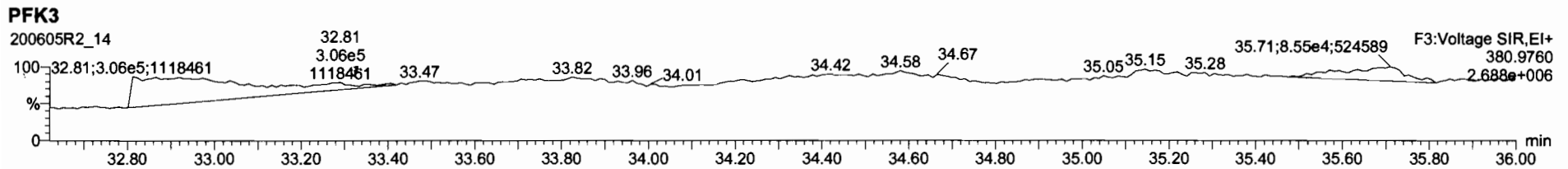
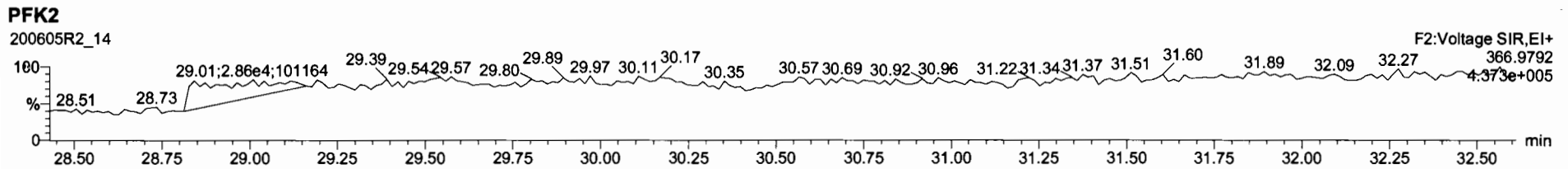
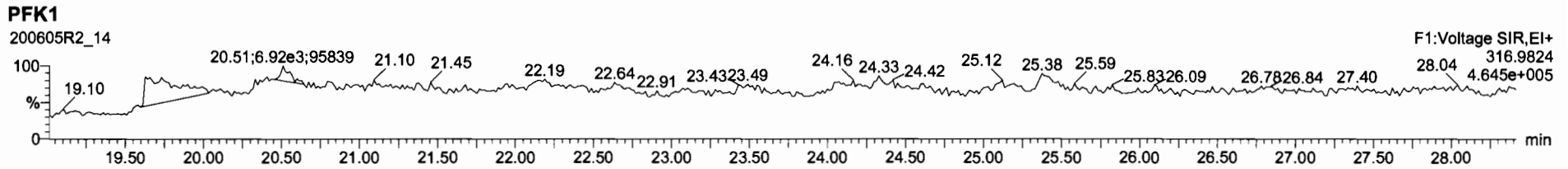


Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_14, Date: 06-Jun-2020, Time: 08:23:37, ID: B0E0100-DUP3 Duplicate 15.92, Description: Duplicate



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-15.qld

Last Altered: Monday, June 08, 2020 15:51:02 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:51:51 Pacific Daylight Time

GRB 06/08/2020

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: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	RRR	RRR	RRR	RRR	RRR	RRR	RRR	RRR	RRR
1	2,3,7,8-TCDD			NO	0.888	10.016	26.501		1.001									0.0486
2	1,2,3,7,8-PeCDD			NO	0.908	10.016	31.457		1.001									0.0512
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.016	34.825		1.000									0.0660
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.016	34.921		1.000									0.0647
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.016	35.209		1.000									0.0747
6	1,2,3,4,6,7,8-HpCDD			NO	0.864	10.016	38.746		1.000									0.0648
7	OCDD	7.45e2	0.85	NO	0.914	10.016	41.716	41.73	1.000	1.000	0.49900						0.161	0.499
8	2,3,7,8-TCDF			NO	0.751	10.016	25.612		1.001									0.0270
9	1,2,3,7,8-PeCDF			NO	0.893	10.016	30.175		1.001									0.0299
10	2,3,4,7,8-PeCDF			NO	0.935	10.016	31.161		1.001									0.0297
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.016	33.942		1.000									0.0296
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.016	34.069		1.000									0.0271
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.016	34.679		1.001									0.0286
14	1,2,3,7,8,9-HxCDF	1.05e2	1.33	NO	0.871	10.016	35.560	35.57	1.000	1.000	0.045933						0.0308	0.0459
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.016	37.365		1.001									0.0422
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.016	39.277		1.000									0.0445
17	OCDF			NO	0.806	10.016	41.908		1.000									0.0647
18	13C-2,3,7,8-TCDD	7.77e5	0.78	NO	1.16	10.016	26.507	26.47	1.026	1.025	163.10	81.7					0.156	
19	13C-1,2,3,7,8-PeCDD	6.40e5	0.63	NO	0.849	10.016	31.692	31.43	1.227	1.217	183.00	91.6					0.282	
20	13C-1,2,3,4,7,8-HxCDD	4.74e5	1.28	NO	0.779	10.016	34.819	34.81	1.014	1.014	181.31	90.8					0.622	
21	13C-1,2,3,6,7,8-HxCDD	5.91e5	1.26	NO	1.02	10.016	34.932	34.92	1.017	1.017	173.15	86.7					0.477	
22	13C-1,2,3,7,8,9-HxCDD	5.38e5	1.24	NO	0.903	10.016	35.204	35.20	1.025	1.025	177.42	88.9					0.537	
23	13C-1,2,3,4,6,7,8-HpCDD	3.96e5	1.11	NO	0.689	10.016	38.726	38.73	1.128	1.128	171.33	85.8					0.433	
24	13C-OCDD	6.53e5	0.91	NO	0.652	10.016	41.748	41.72	1.216	1.215	298.24	74.7					0.582	
25	13C-2,3,7,8-TCDF	9.36e5	0.76	NO	1.06	10.016	25.549	25.59	0.989	0.991	150.79	75.5					0.184	
26	13C-1,2,3,7,8-PeCDF	9.02e5	1.62	NO	0.838	10.016	30.076	30.15	1.165	1.168	183.65	92.0					0.576	
27	13C-2,3,4,7,8-PeCDF	8.65e5	1.58	NO	0.817	10.016	31.029	31.13	1.202	1.205	180.69	90.5					0.591	
28	13C-1,2,3,4,7,8-HxCDF	5.83e5	0.50	NO	1.01	10.016	33.950	33.94	0.989	0.989	172.35	86.3					0.709	
29	13C-1,2,3,6,7,8-HxCDF	6.77e5	0.50	NO	1.17	10.016	34.074	34.06	0.992	0.992	172.88	86.6					0.612	
30	13C-2,3,4,6,7,8-HxCDF	6.31e5	0.51	NO	1.02	10.016	34.647	34.64	1.009	1.009	183.85	92.1					0.699	
31	13C-1,2,3,7,8,9-HxCDF	5.25e5	0.50	NO	0.860	10.016	35.547	35.56	1.035	1.036	181.91	91.1					0.831	

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-15.qld

Last Altered: Monday, June 08, 2020 15:51:02 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:51:51 Pacific Daylight Time

Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RT	Area	Area	Area
32	13C-1,2,3,4,6,7,8-HpCDF	4.53e5	0.41	NO	0.774	10.016	37.295	37.33	1.086	1.087	174.21	87.2	0.493
33	13C-1,2,3,4,7,8,9-HpCDF	3.07e5	0.41	NO	0.521	10.016	39.324	39.28	1.145	1.144	175.35	87.8	0.733
34	13C-OCDF	7.63e5	0.88	NO	0.746	10.016	41.920	41.91	1.221	1.221	304.72	76.3	0.567
35	37Cl-2,3,7,8-TCDD	2.68e5			1.04	10.016	26.538	26.50	1.028	1.026	62.794	78.6	0.101
36	13C-1,2,3,4-TCDD	8.23e5	0.81	NO	1.00	10.016	25.890	25.83	1.000	1.000	199.68	100	0.180
37	13C-1,2,3,4-TCDF	1.17e6	0.78	NO	1.00	10.016	24.360	24.15	1.000	1.000	199.68	100	0.195
38	13C-1,2,3,4,6,9-HxCDF	6.70e5	0.51	NO	1.00	10.016	34.420	34.33	1.000	1.000	199.68	100	0.715
39	Total Tetra-Dioxins				0.888	10.016	24.620		0.000				0.0286
40	Total Penta-Dioxins				0.908	10.016	29.960		0.000		0.00000		0.0276
41	Total Hexa-Dioxins				0.892	10.016	33.635		0.000				0.0517
42	Total Hepta-Dioxins				0.864	10.016	37.640		0.000				0.0328
43	Total Tetra-Furans				0.751	10.016	23.610		0.000				0.00993
44	1st Func. Penta-Furans				0.893	10.016	27.580		0.000				0.00624
45	Total Penta-Furans				0.893	10.016	29.275		0.000				0.00984
46	Total Hexa-Furans				0.934	10.016	33.555		0.000		0.045933		0.0218
47	Total Hepta-Furans				0.873	10.016	37.835		0.000				0.0227

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-15.qld

Last Altered: Monday, June 08, 2020 15:51:02 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:51:51 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: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPS	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPS	DL
Total Penta-Dioxins	29.59	2.629e3	3.928e3	1.118e2	2.499e2	0.45	YES	0.000e0	0.00000	0.099384	0.0512

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPS	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPS	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPS	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPS	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-15.qld

Last Altered: Monday, June 08, 2020 15:51:02 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:51:51 Pacific Daylight Time

Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

Penta-Furans

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

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.57	1.819e3	1.864e3	6.006e1	4.509e1	1.33	NO	1.052e2	0.045933	0.045933	0.0308
Total Hexa-Furans	35.59	5.400e2	6.380e2	8.737e0	1.521e1	0.57	YES	0.000e0	0.00000	0.00558...	0.0218

Hepta-Furans

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

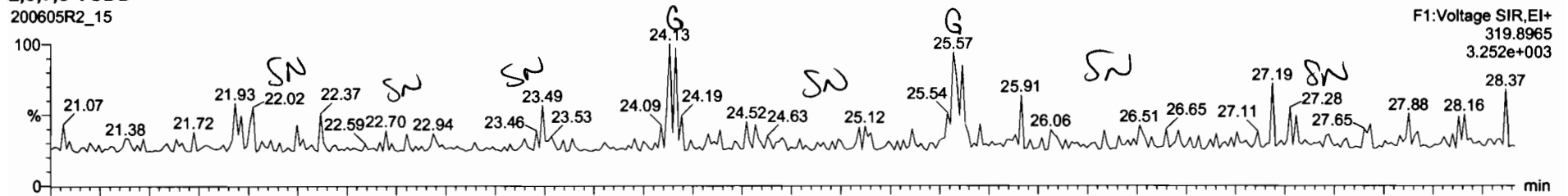
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

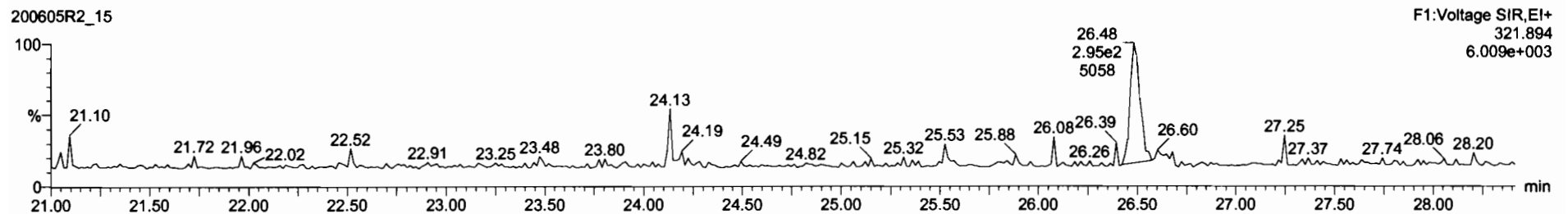
Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

2,3,7,8-TCDD

200605R2_15

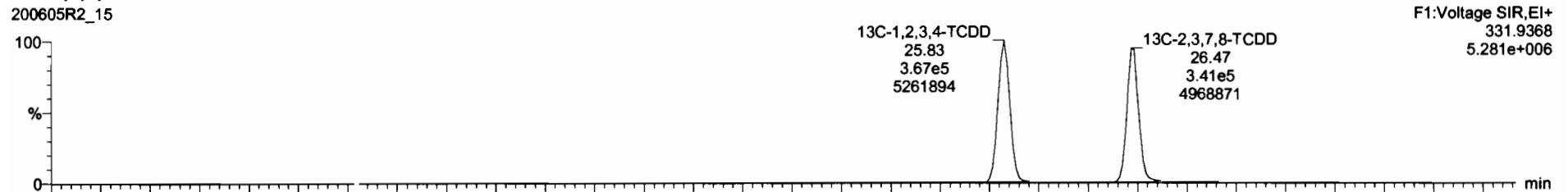


200605R2_15

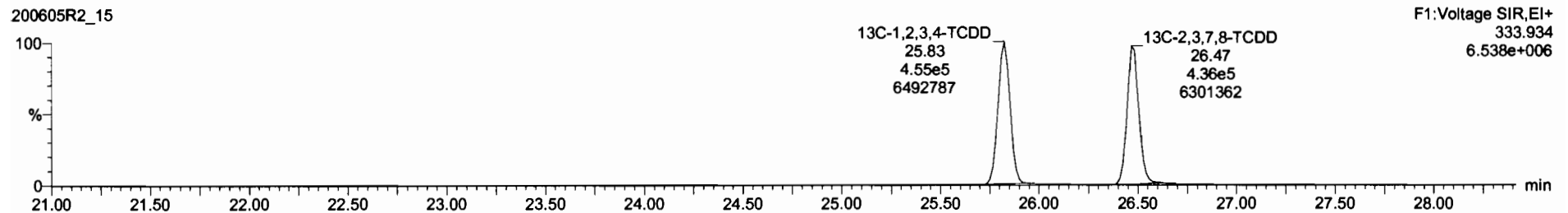


13C-2,3,7,8-TCDD

200605R2_15



200605R2_15



Dataset: Untitled

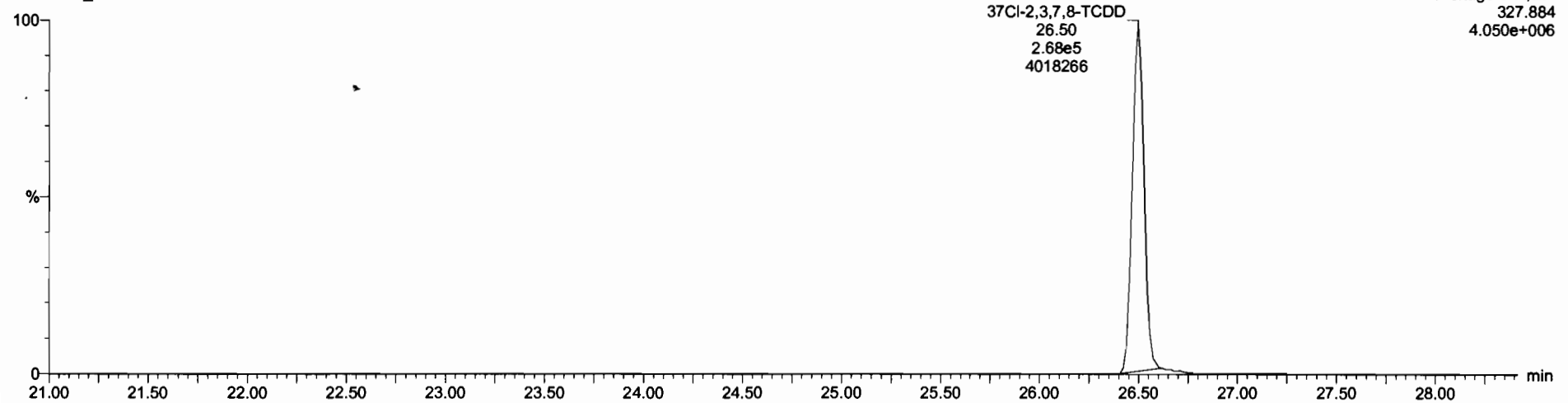
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

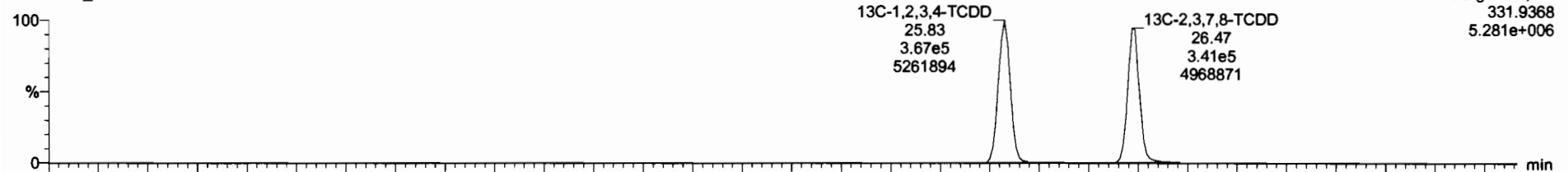
37Cl-2,3,7,8-TCDD

200605R2_15

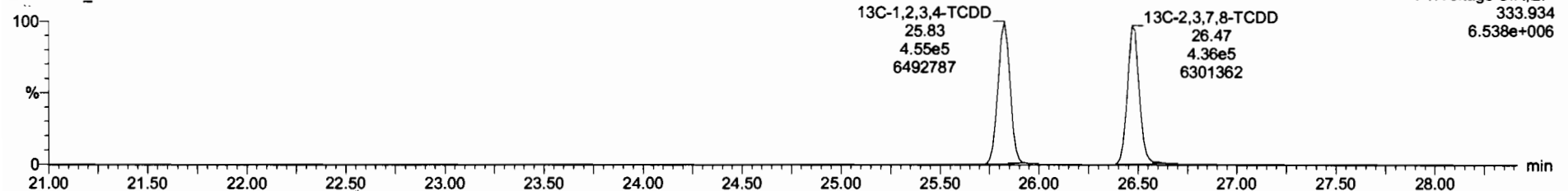


13C-1,2,3,4-TCDD

200605R2_15



200605R2_15



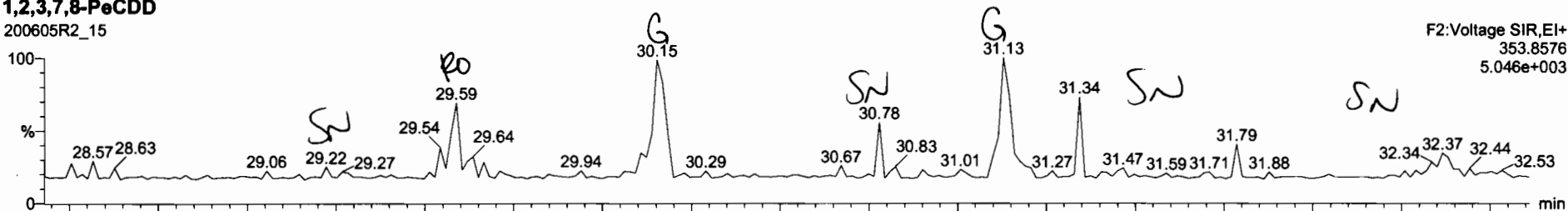
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

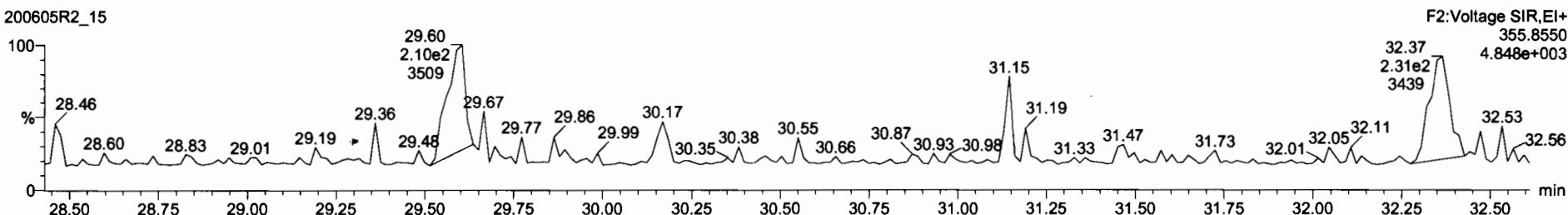
Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

1,2,3,7,8-PeCDD

200605R2_15

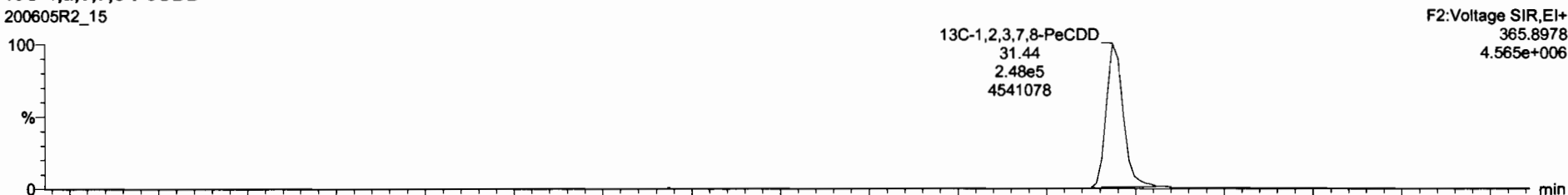


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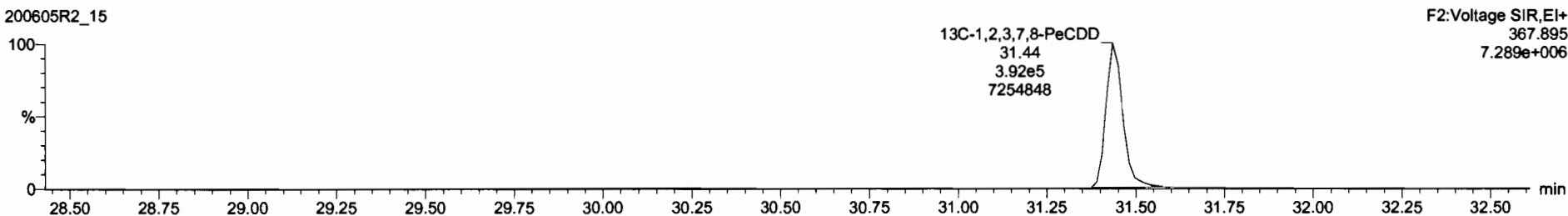


13C-1,2,3,7,8-PeCDD

200605R2_15

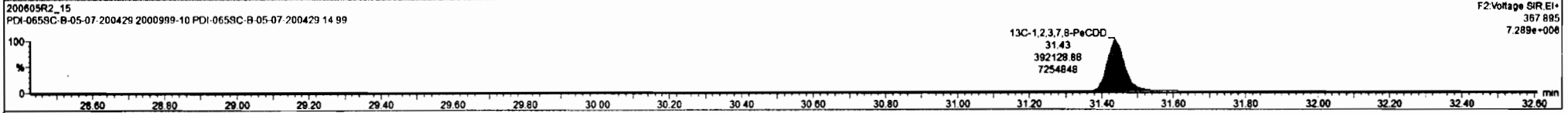
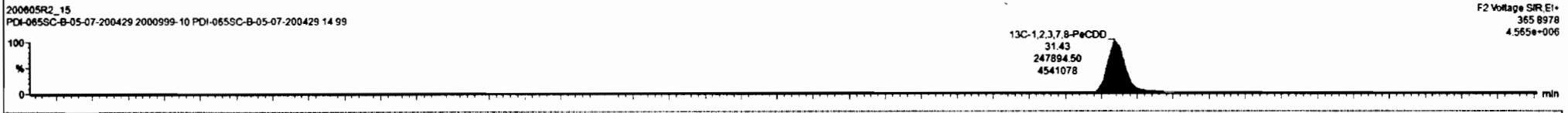
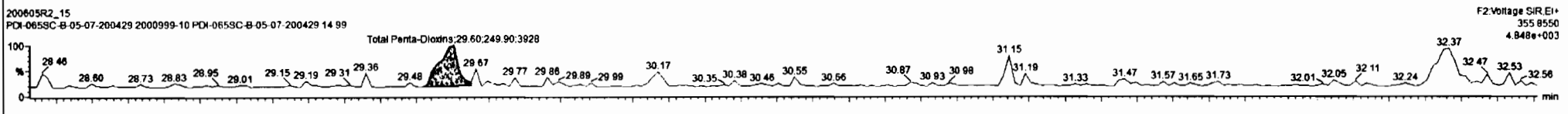
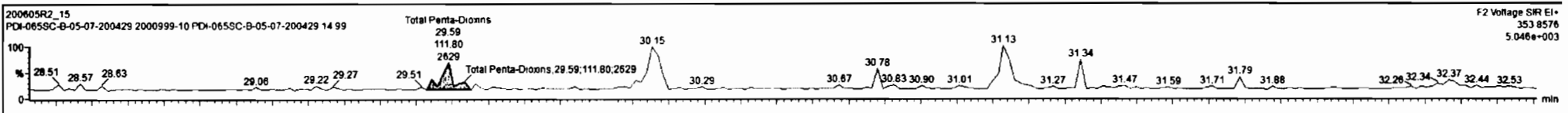


200605R2_15



Sample	Conc.	Area	Height	Wt%	Integ.	Count	Ratio
Total Tetra-Dioxins	0.0003	16.016				0.0206	

Sample	Conc.	Area	Height	Wt%	Integ.	Count	Ratio
Total Penta-Dioxins	29.59	1.11862	2.49042	0.45	YES	0.009000	0.00000



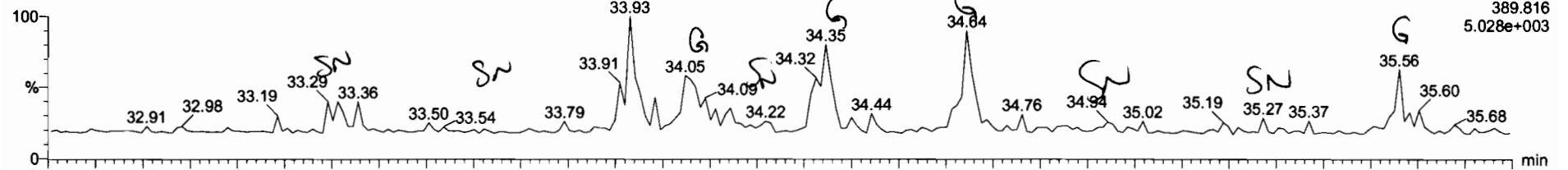
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

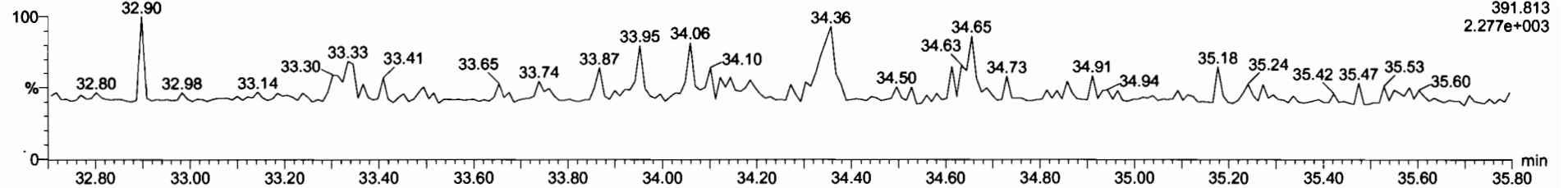
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1,2,3,4,7,8-HxCDD

200605R2_15

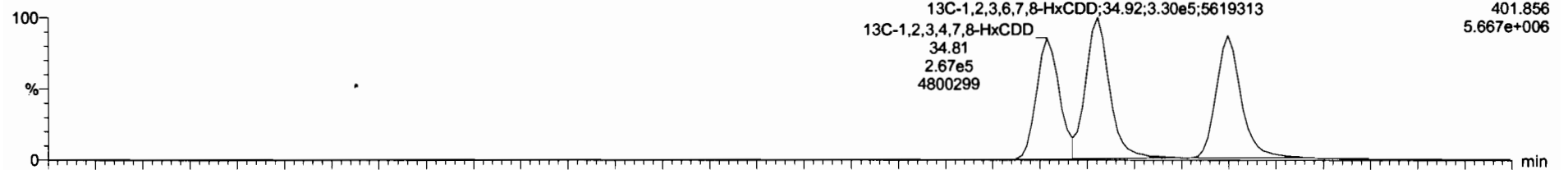


200605R2_15

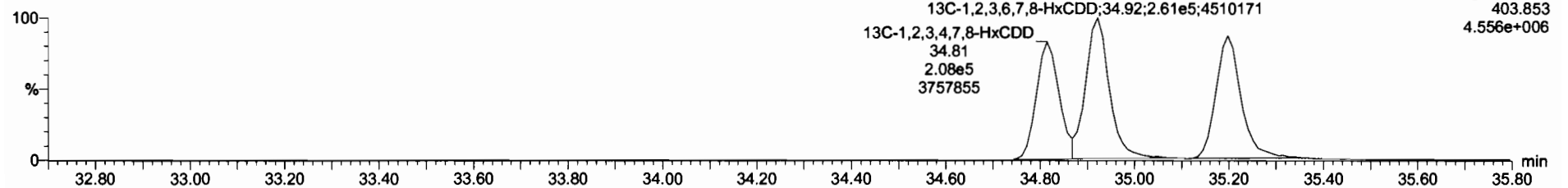


13C-1,2,3,4,7,8-HxCDD

200605R2_15



200605R2_15



Dataset: Untitled

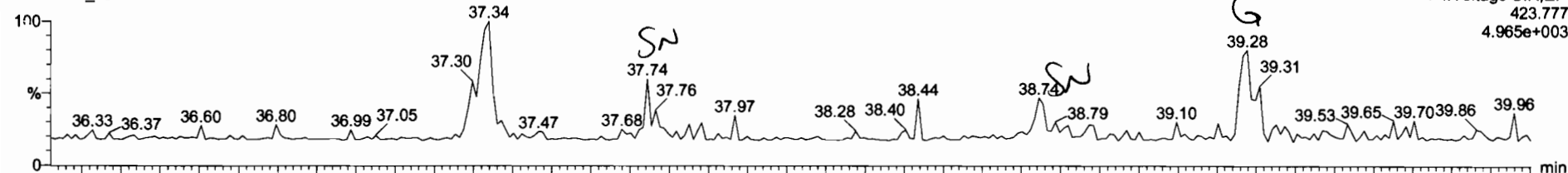
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

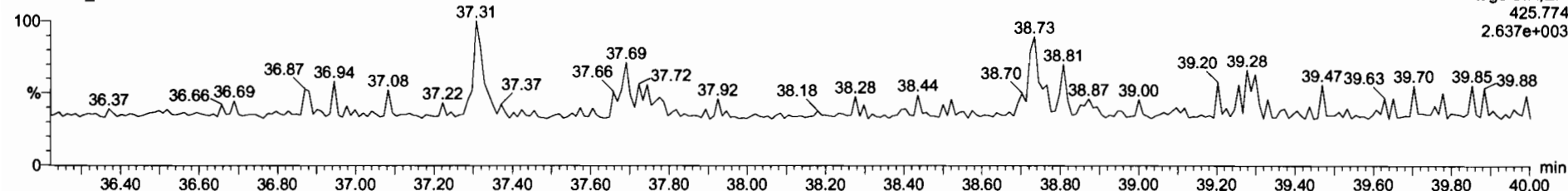
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1,2,3,4,6,7,8-HpCDD

200605R2_15

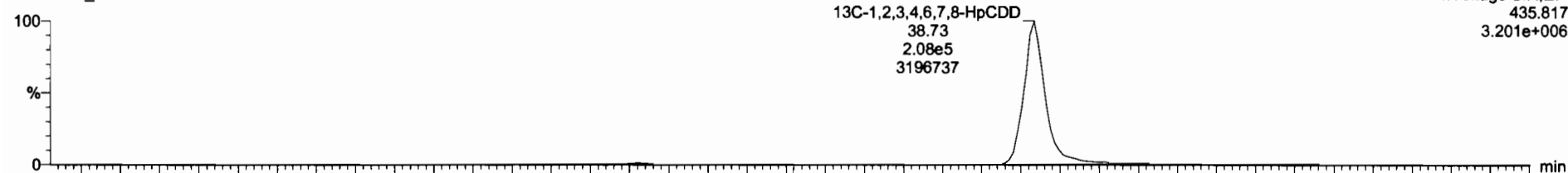


200605R2_15

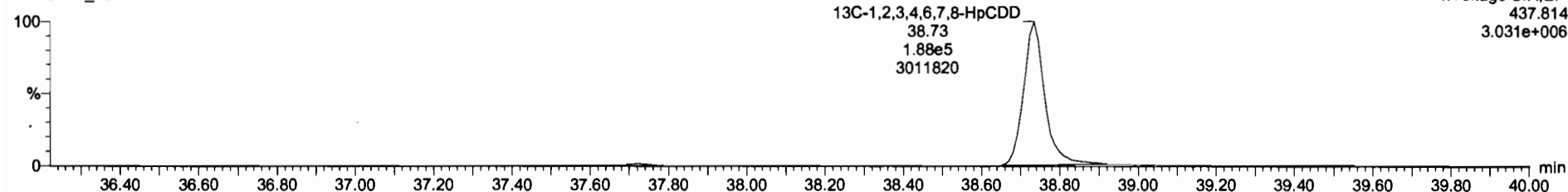


13C-1,2,3,4,6,7,8-HpCDD

200605R2_15



200605R2_15



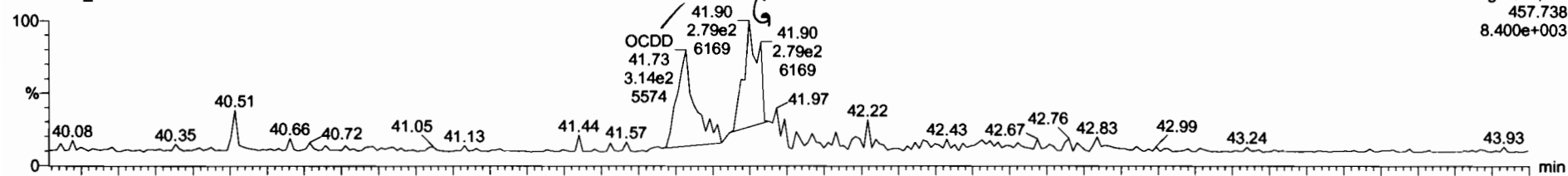
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

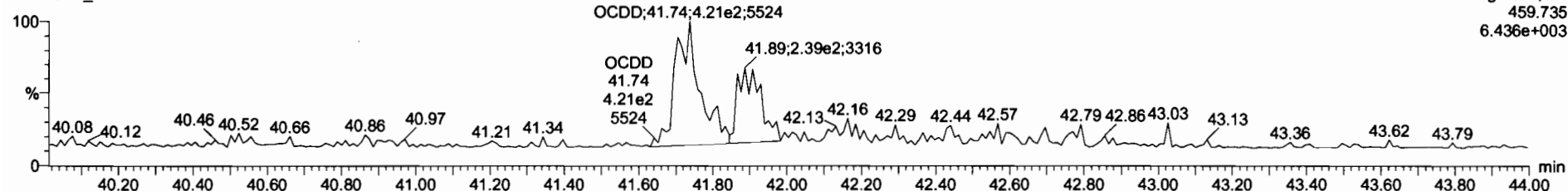
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OCDD

200605R2_15

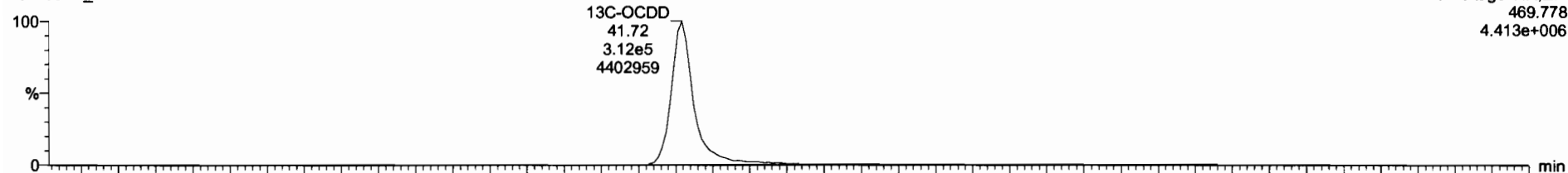


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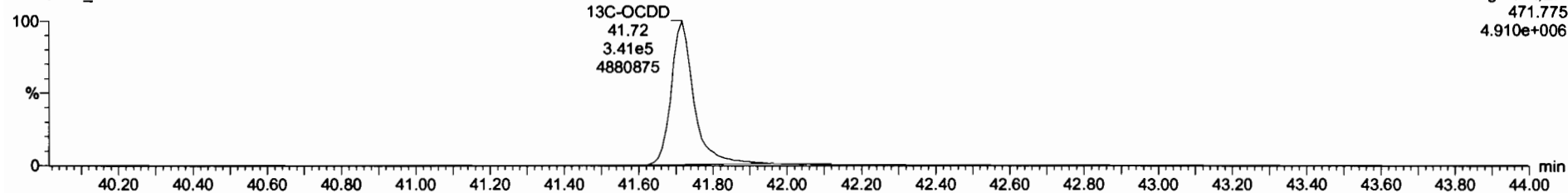


13C-OCDD

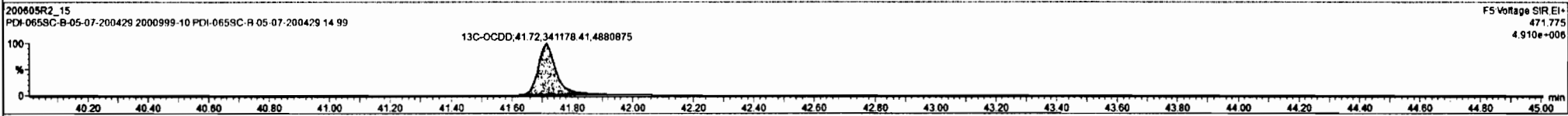
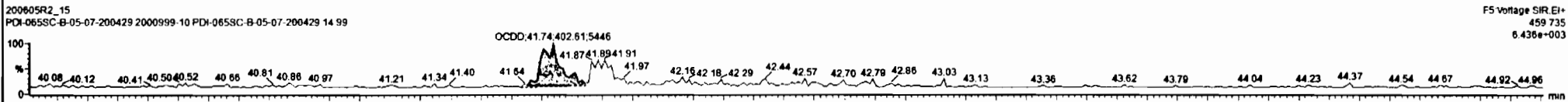
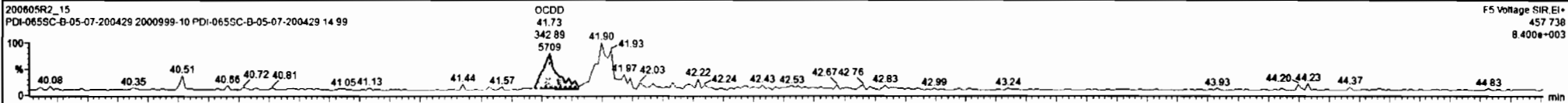
200605R2_15



200605R2_15



2,3,7,8-TCDF NO 0.7510 10.016 0.0270

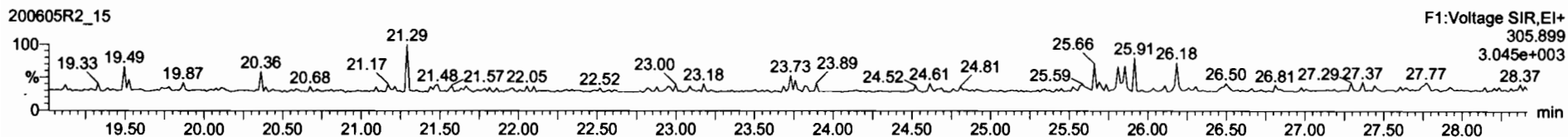
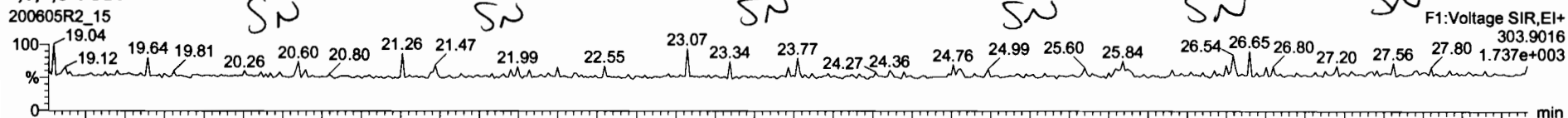


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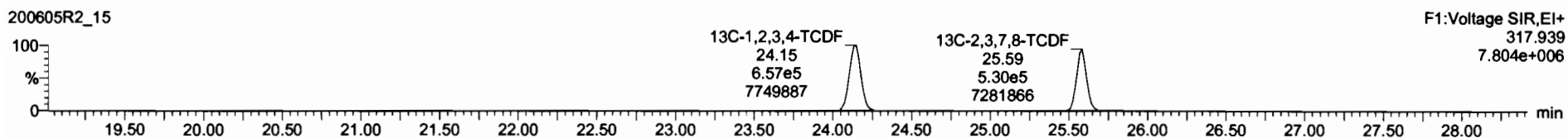
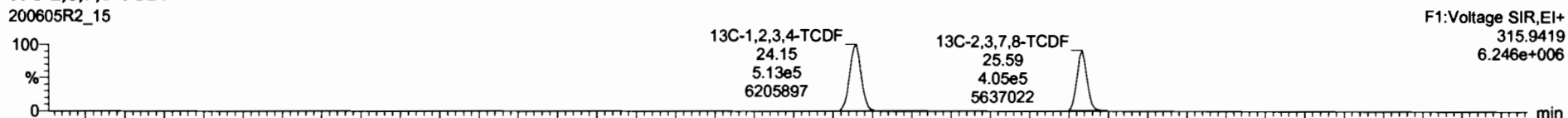
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

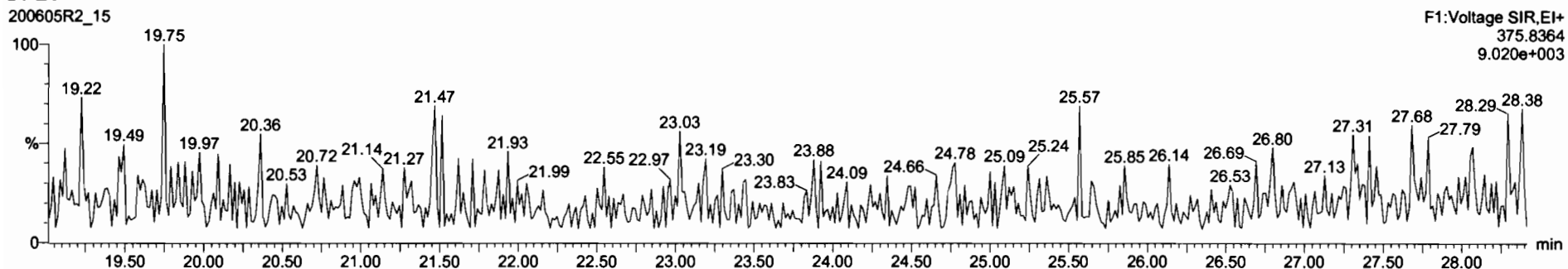
2,3,7,8-TCDF



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



DPE1



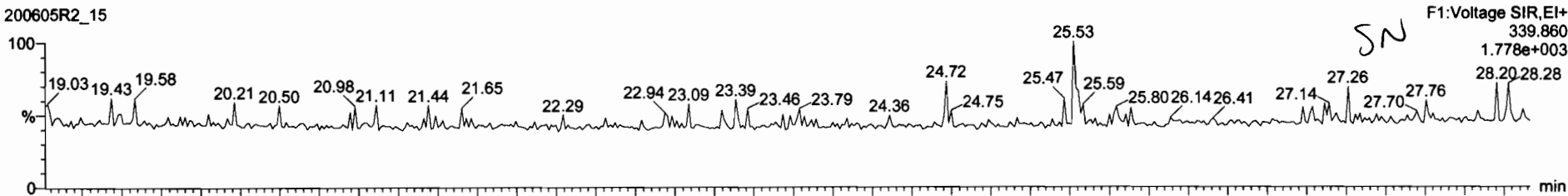
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

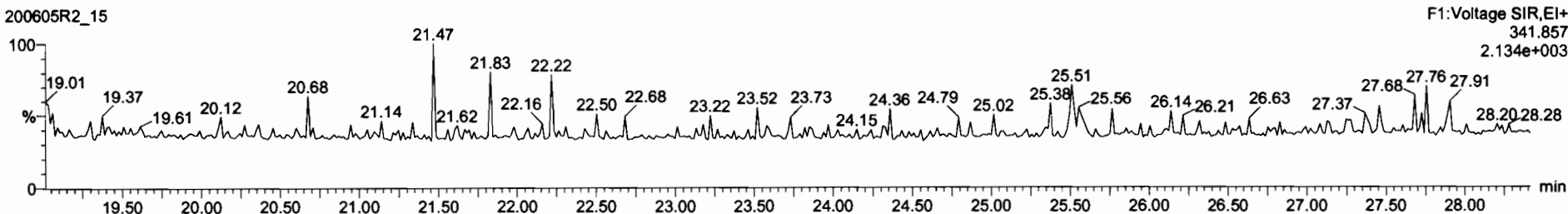
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1st Func. Penta-Furans

200605R2_15

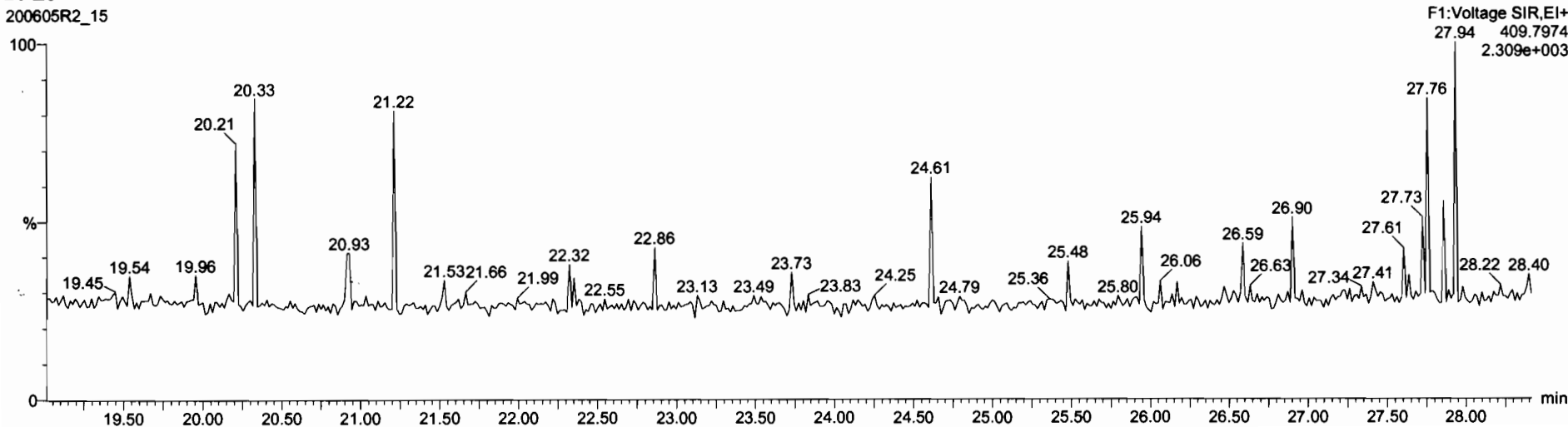


200605R2_15



DPE6

200605R2_15



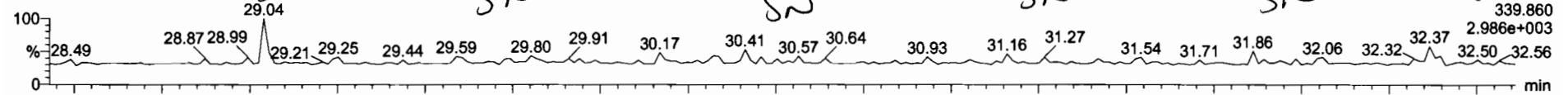
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

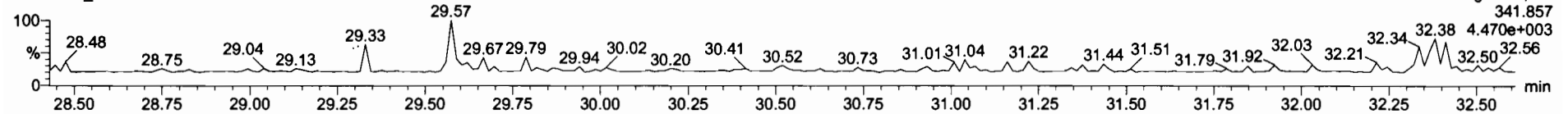
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1,2,3,7,8-PeCDF

200605R2_15

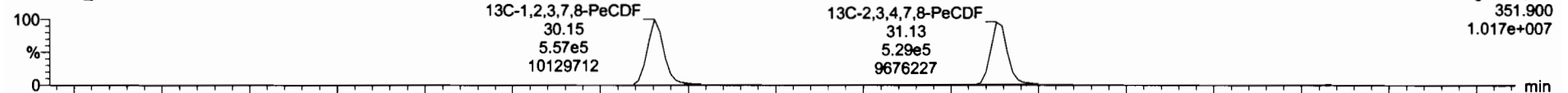


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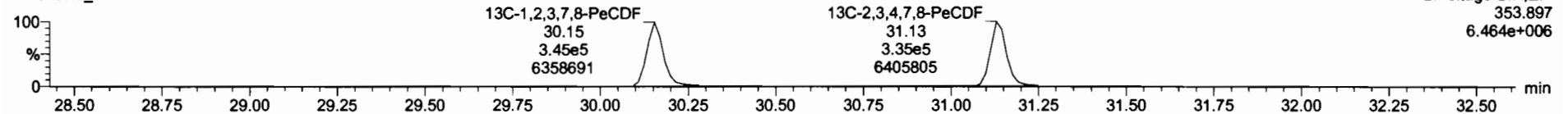


13C-1,2,3,7,8-PeCDF

200605R2_15

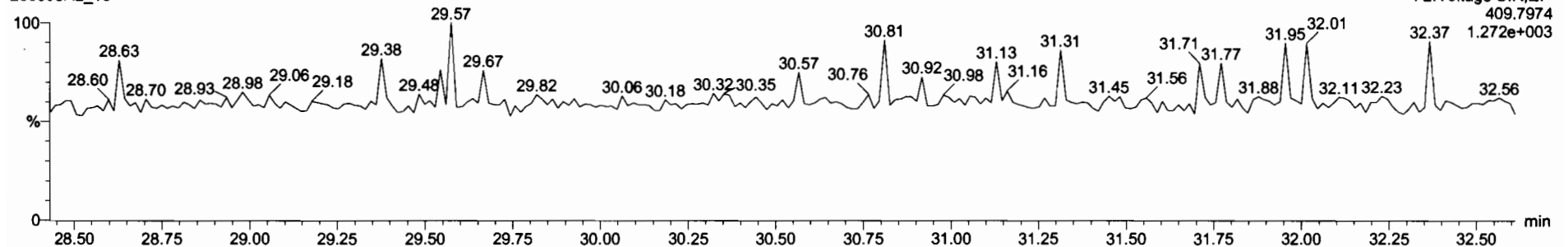


200605R2_15



DPE2

200605R2_15



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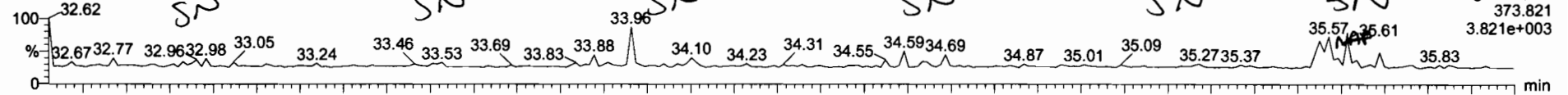
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

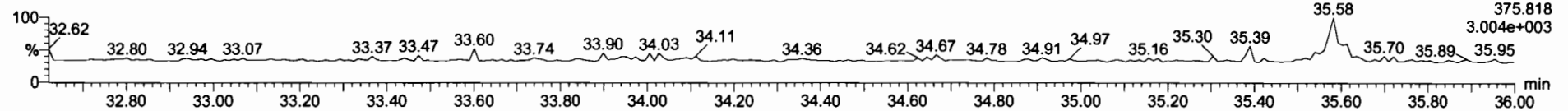
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1,2,3,4,7,8-HxCDF

200605R2_15

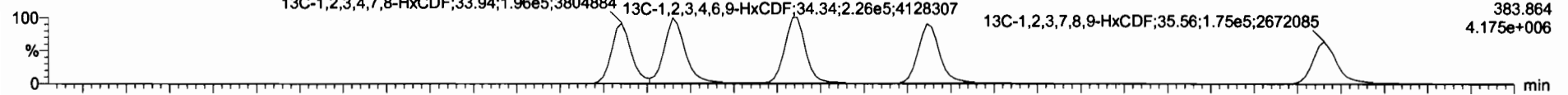


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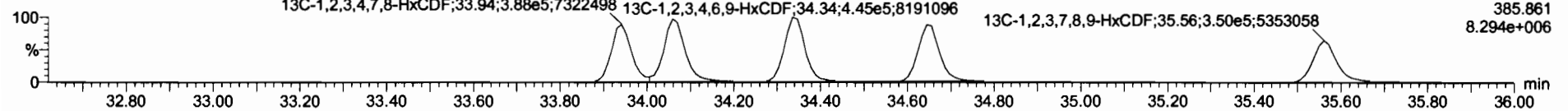


13C-1,2,3,4,7,8-HxCDF

200605R2_15

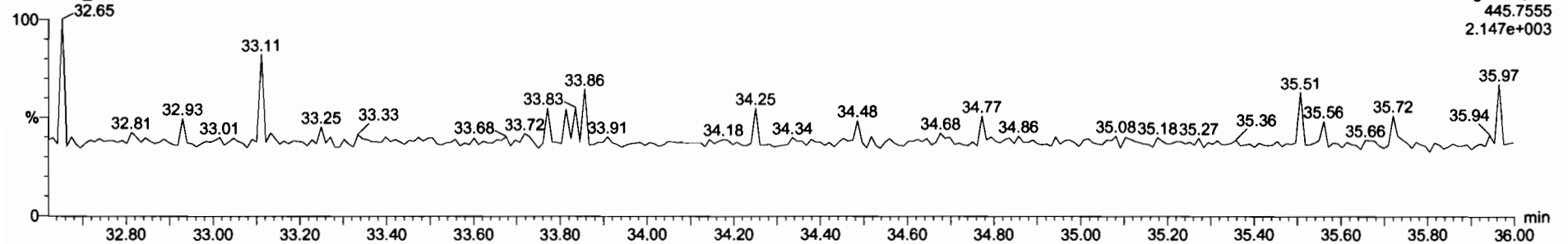


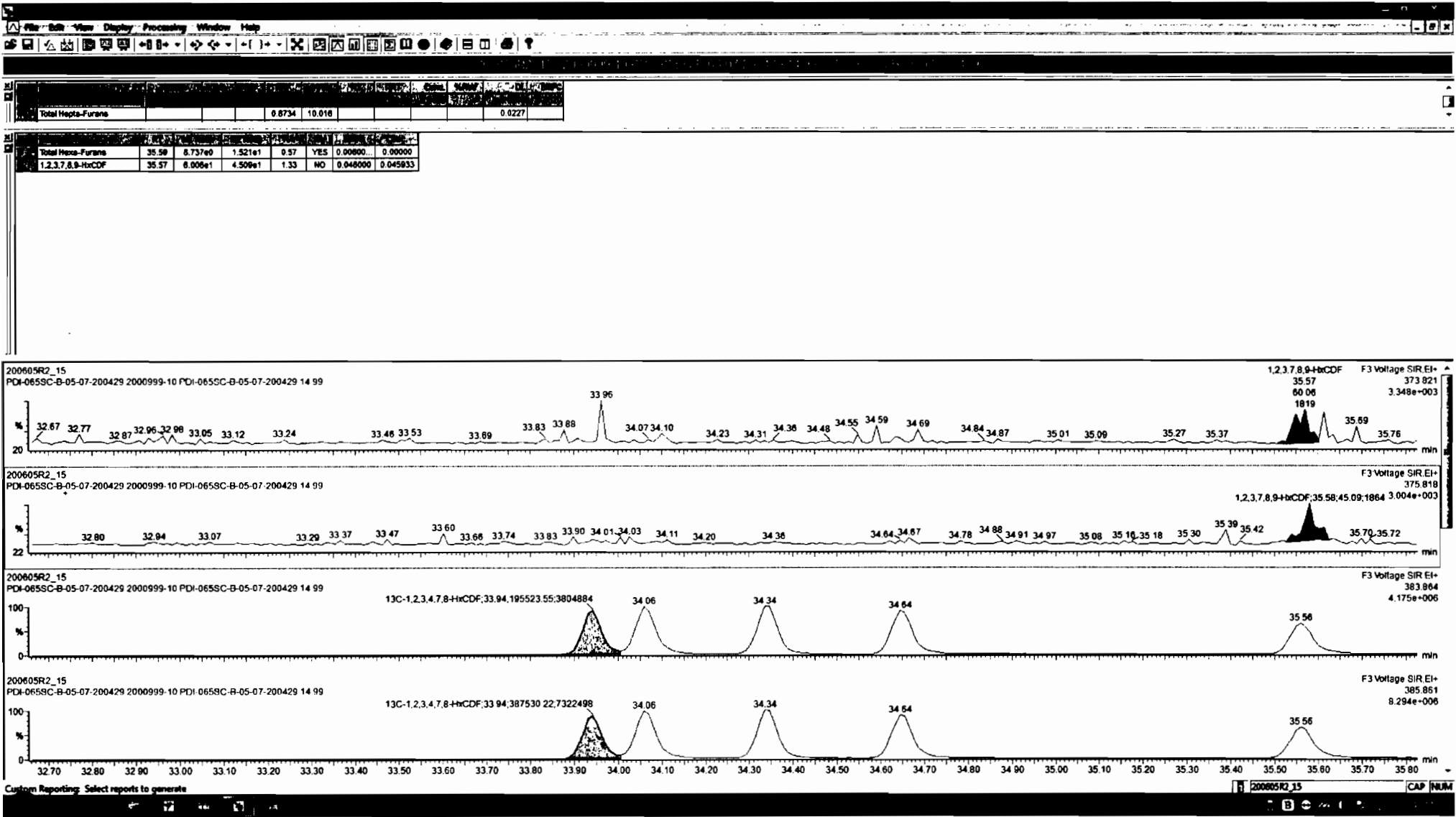
200605R2_15



DPE3

200605R2_15



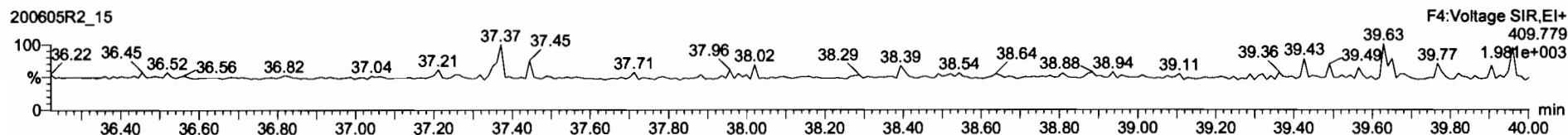
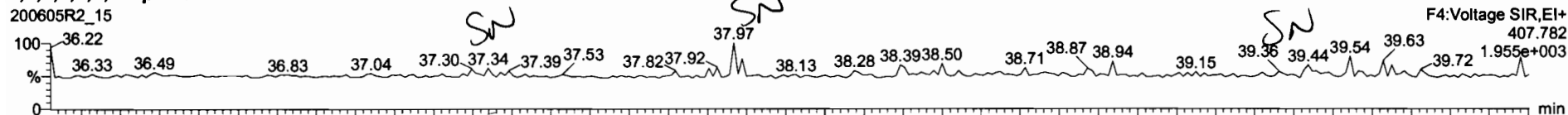


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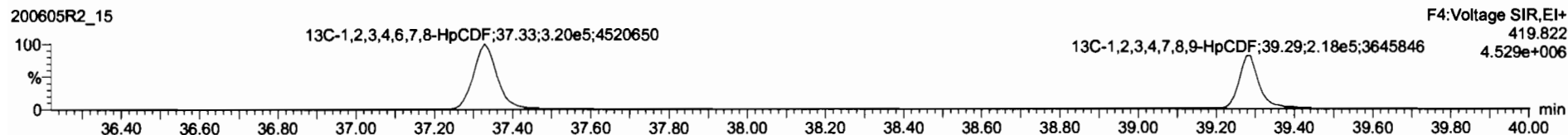
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

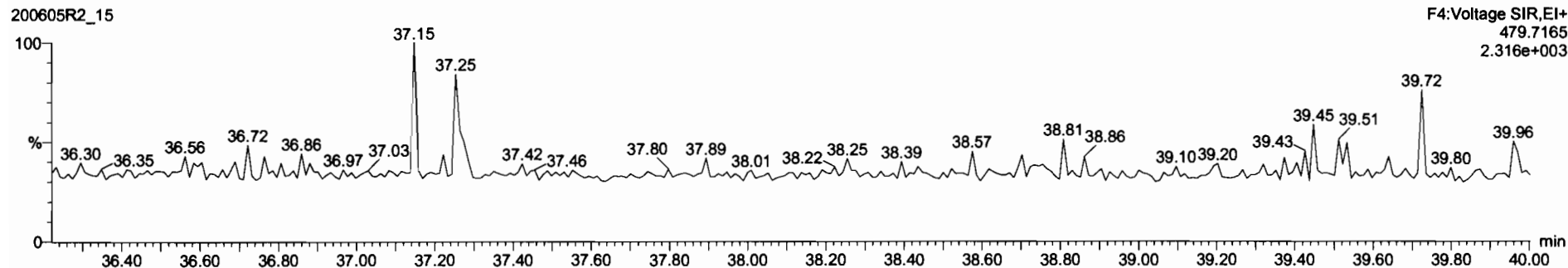
1,2,3,4,6,7,8-HpCDF



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



DPE4

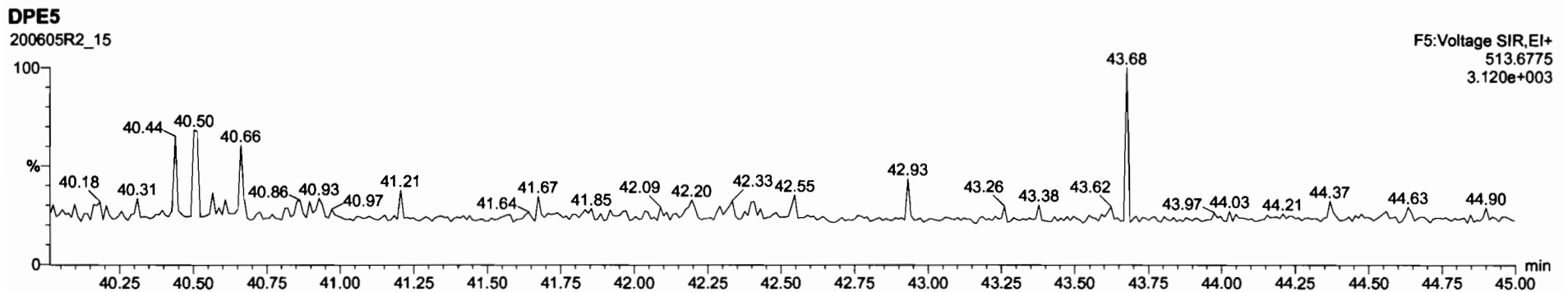
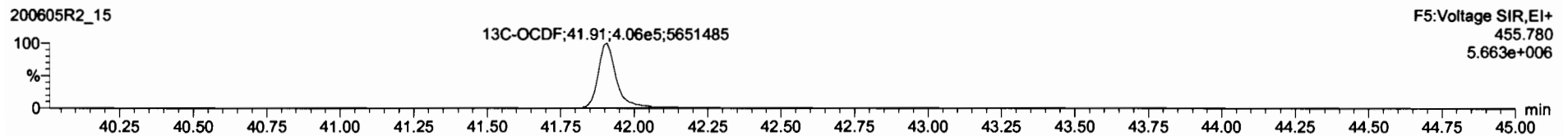
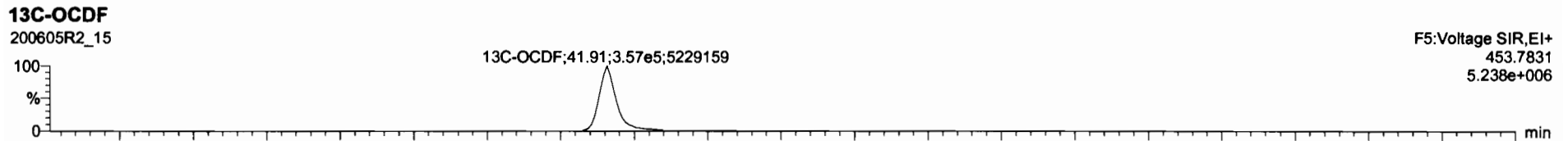
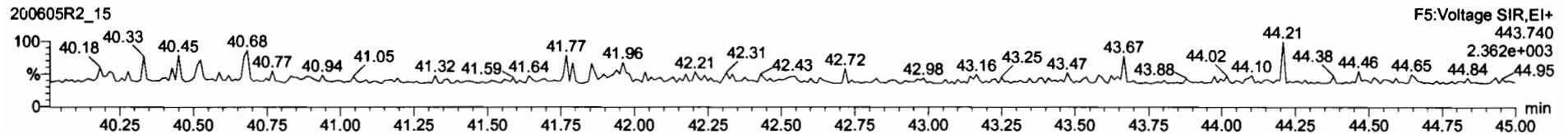
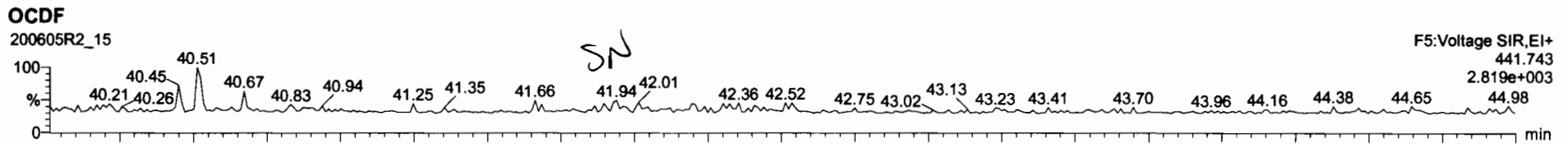


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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_15, Date: 06-Jun-2020, Time: 09:09:51, ID: 2000999-10 PDI-065SC-B-05-07-200429 14.99, Description: PDI-065SC-B-05-07-200429

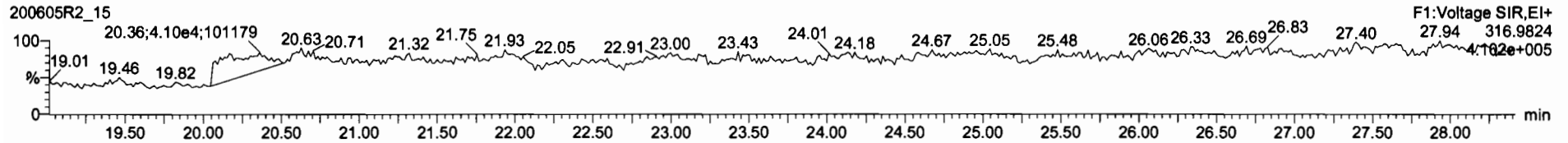


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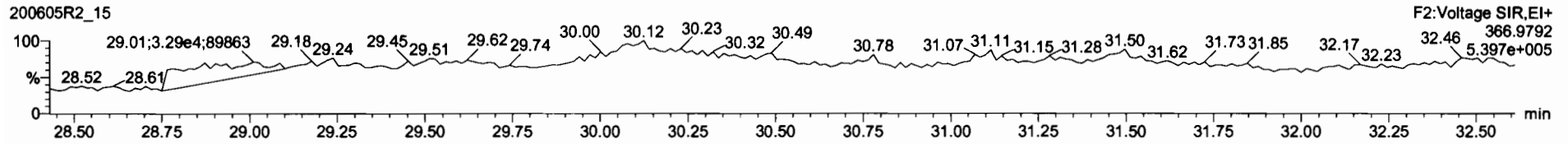
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
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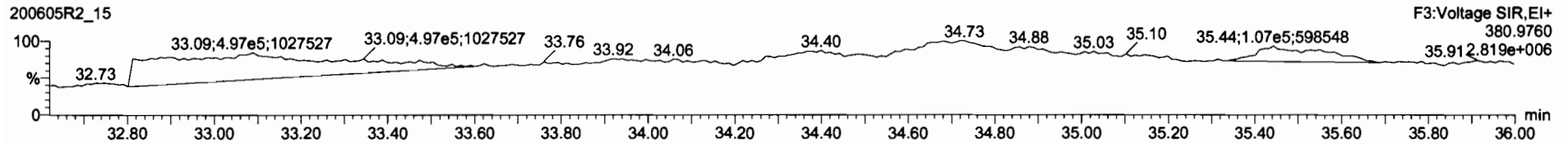
PFK1



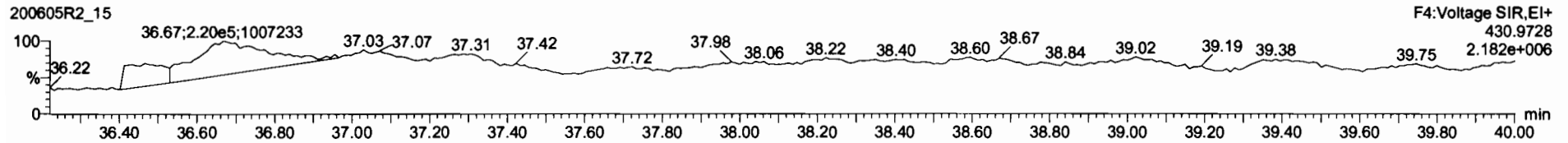
PFK2



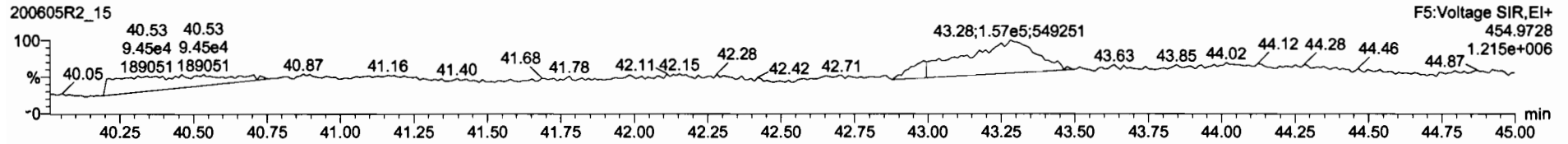
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-16.qld

Last Altered: Tuesday, June 09, 2020 09:00:42 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 09:03:32 Pacific Daylight Time

GPB 06/09/2020
~~06/09/2020~~

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

C7 06/09/2020

Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

Peak #	Compound	Conc	RF	Y/N	RRF	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt
1	2,3,7,8-TCDD	5.82e2	0.31	YES	0.888	10.022	26.515	26.51	1.001	1.001	0.16348	0.102	0.0884
2	1,2,3,7,8-PeCDD	4.01e2	0.39	YES	0.908	10.022	31.473	31.47	1.001	1.000	0.15769	0.0905	0.114
3	1,2,3,4,7,8-HxCDD	2.52e2	1.23	NO	1.03	10.022	34.825	34.84	1.000	1.001	0.14046	0.175	0.140
4	1,2,3,6,7,8-HxCDD	1.47e3	1.32	NO	0.892	10.022	34.921	34.93	1.000	1.000	0.74679	0.183	0.747
5	1,2,3,7,8,9-HxCDD	5.54e2	1.29	NO	0.887	10.022	35.220	35.23	1.000	1.001	0.34383	0.213	0.344
6	1,2,3,4,6,7,8-HpCDD	4.47e4	1.06	NO	0.864	10.022	38.757	38.76	1.000	1.000	43.586	0.513	43.6
7	OCDD	2.94e5	0.89	NO	0.914	10.022	41.727	41.74	1.000	1.000	444.28	0.840	444
8	2,3,7,8-TCDF	1.60e3	0.76	NO	0.751	10.022	25.612	25.60	1.001	1.001	0.43639	0.152	0.436
9	1,2,3,7,8-PeCDF	9.13e2	1.10	YES	0.893	10.022	30.190	30.18	1.001	1.001	0.24644	0.0759	0.213
10	2,3,4,7,8-PeCDF	2.22e3	1.40	NO	0.935	10.022	31.176	31.19	1.001	1.001	0.60724	0.0727	0.607
11	1,2,3,4,7,8-HxCDF	1.02e3	1.25	NO	0.884	10.022	33.941	33.96	1.000	1.001	0.50304	0.107	0.503
12	1,2,3,6,7,8-HxCDF	5.95e2	1.23	NO	0.889	10.022	34.079	34.09	1.000	1.001	0.25816	0.101	0.258
13	2,3,4,6,7,8-HxCDF	9.20e2	1.19	NO	0.934	10.022	34.690	34.69	1.001	1.001	0.45964	0.114	0.460
14	1,2,3,7,8,9-HxCDF	3.01e2	0.95	YES	0.871	10.022	35.571	35.61	1.000	1.001	0.18707	0.105	0.165
15	1,2,3,4,6,7,8-HpCDF	8.42e3	1.02	NO	0.873	10.022	37.376	37.35	1.001	1.000	6.7857	0.202	6.79
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.022	39.299		1.000			0.215	
17	OCDF	6.31e3	0.83	NO	0.806	10.022	41.918	41.92	1.000	1.000	8.4601	0.246	8.46
18	13C-2,3,7,8-TCDD	7.99e5	0.79	NO	1.16	10.022	26.507	26.48	1.026	1.025	183.44	91.9	0.227
19	13C-1,2,3,7,8-PeCDD	5.58e5	0.64	NO	0.849	10.022	31.692	31.45	1.227	1.218	174.52	87.4	0.349
20	13C-1,2,3,4,7,8-HxCDD	3.47e5	1.28	NO	0.779	10.022	34.830	34.81	1.014	1.014	149.53	74.9	0.424
21	13C-1,2,3,6,7,8-HxCDD	4.41e5	1.30	NO	1.02	10.022	34.944	34.92	1.017	1.017	145.89	73.1	0.325
22	13C-1,2,3,7,8,9-HxCDD	3.63e5	1.24	NO	0.903	10.022	35.215	35.21	1.025	1.025	135.04	67.7	0.366
23	13C-1,2,3,4,6,7,8-HpCDD	2.37e5	1.04	NO	0.689	10.022	38.739	38.74	1.128	1.128	115.45	57.9	0.371
24	13C-OCDD	2.89e5	0.93	NO	0.652	10.022	41.761	41.73	1.216	1.215	148.75	37.3	0.360
25	13C-2,3,7,8-TCDF	9.76e5	0.77	NO	1.06	10.022	25.549	25.59	0.989	0.991	173.84	87.1	0.268
26	13C-1,2,3,7,8-PeCDF	8.28e5	1.58	NO	0.838	10.022	30.076	30.17	1.165	1.168	186.56	93.5	0.620
27	13C-2,3,4,7,8-PeCDF	7.79e5	1.60	NO	0.817	10.022	31.029	31.15	1.202	1.206	180.13	90.3	0.636
28	13C-1,2,3,4,7,8-HxCDF	4.57e5	0.51	NO	1.01	10.022	33.961	33.94	0.989	0.988	152.45	76.4	0.503
29	13C-1,2,3,6,7,8-HxCDF	5.18e5	0.50	NO	1.17	10.022	34.085	34.07	0.992	0.992	149.04	74.7	0.434
30	13C-2,3,4,6,7,8-HxCDF	4.28e5	0.50	NO	1.02	10.022	34.659	34.65	1.009	1.009	140.65	70.5	0.496
31	13C-1,2,3,7,8,9-HxCDF	3.69e5	0.51	NO	0.860	10.022	35.558	35.57	1.035	1.036	144.41	72.4	0.589

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-16.qld

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32	13C-1,2,3,4,6,7,8-HpCDF	2.83e5	0.42	NO	0.774	10.022	37.307	37.34	1.086	1.087	122.95	61.6	0.519	
33	13C-1,2,3,4,7,8,9-HpCDF	1.91e5	0.40	NO	0.521	10.022	39.336	39.30	1.145	1.144	123.37	61.8	0.772	
34	13C-OCDF	3.69e5	0.89	NO	0.746	10.022	41.933	41.92	1.221	1.220	166.22	41.6	0.399	
35	37Cl-2,3,7,8-TCDD	3.01e5			1.04	10.022	26.538	26.50	1.028	1.026	77.144	96.6	0.0667	
36	13C-1,2,3,4-TCDD	7.52e5	0.80	NO	1.00	10.022	25.890	25.83	1.000	1.000	199.56	100	0.262	
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.00	10.022	24.360	24.15	1.000	1.000	199.56	100	0.284	
38	13C-1,2,3,4,6,9-HxCDF	5.94e5	0.50	NO	1.00	10.022	34.420	34.35	1.000	1.000	199.56	100	0.507	
39	Total Tetra-Dioxins				0.888	10.022	24.620		0.000		1.2513		0.102	1.43
40	Total Penta-Dioxins				0.908	10.022	29.960		0.000		1.1069		0.0905	2.37
41	Total Hexa-Dioxins				0.892	10.022	33.635		0.000		13.713		0.198	13.7
42	Total Hepta-Dioxins				0.864	10.022	37.640		0.000		115.29		0.513	115
43	Total Tetra-Furans				0.751	10.022	23.610		0.000		4.0202		0.152	6.26
44	1st Func. Penta-Furans				0.893	10.022	27.580		0.000		4.0096		0.0429	4.01
45	Total Penta-Furans				0.893	10.022	29.275		0.000		3.7181		0.0760	4.16
46	Total Hexa-Furans				0.934	10.022	33.555		0.000		8.8797		0.114	9.04
47	Total Hepta-Furans				0.873	10.022	37.835		0.000		18.452		0.221	18.5

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-16.qld

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Method: Untitled 01 Jun 2020 11:54:45
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Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

Tetra-Dioxins

	Area	Height	Height	Area	Area	Area	Area	Area	Area	Area	Area
Total Tetra-Dioxins	22.49	5.284e3	6.465e3	4.545e2	5.281e2	0.86	NO	9.825e2	0.27612	0.27612	0.102
Total Tetra-Dioxins	22.92	4.757e3	9.214e3	3.912e2	5.530e2	0.71	NO	9.442e2	0.26534	0.26534	0.102
Total Tetra-Dioxins	24.33	2.954e3	4.466e3	2.578e2	3.809e2	0.68	NO	6.387e2	0.17950	0.17950	0.102
Total Tetra-Dioxins	24.57	4.757e3	6.343e3	3.073e2	4.376e2	0.70	NO	7.448e2	0.20931	0.20931	0.102
Total Tetra-Dioxins	24.81	3.629e3	3.609e3	2.887e2	3.263e2	0.88	NO	6.150e2	0.17284	0.17284	0.102
Total Tetra-Dioxins	26.23	3.282e3	6.387e3	2.322e2	2.953e2	0.79	NO	5.275e2	0.14824	0.14824	0.102
2,3,7,8-TCDD	26.51	2.074e3	6.300e3	1.368e2	4.449e2	0.31	YES	5.817e2	0.00000	0.088397	0.102
Total Tetra-Dioxins	26.84	3.822e3	4.184e3	1.782e2	1.842e2	0.97	YES	0.000e0	0.00000	0.091606	0.102

Penta-Dioxins

	Area	Height	Height	Area	Area	Area	Area	Area	Area	Area	Area
Total Penta-Dioxins	29.24	1.008e4	1.771e4	8.859e2	1.298e3	0.68	NO	2.184e3	0.85965	0.85965	0.0905
Total Penta-Dioxins	29.71	4.142e3	6.787e3	1.796e2	4.253e2	0.42	YES	0.000e0	0.00000	0.18292	0.0905
Total Penta-Dioxins	30.22	5.447e3	8.239e3	3.885e2	4.792e2	0.81	YES	0.000e0	0.00000	0.30743	0.0905
Total Penta-Dioxins	30.38	7.133e3	8.750e3	3.359e2	3.809e2	0.88	YES	0.000e0	0.00000	0.24434	0.0905
Total Penta-Dioxins	30.47	4.489e3	4.485e3	1.383e2	2.272e2	0.61	NO	3.656e2	0.14387	0.14387	0.0905
Total Penta-Dioxins	30.70	5.316e3	6.733e3	2.329e2	3.115e2	0.75	YES	0.000e0	0.00000	0.19983	0.0905
Total Penta-Dioxins	30.75	3.981e3	5.633e3	1.181e2	2.583e2	0.46	YES	0.000e0	0.00000	0.12025	0.0905
Total Penta-Dioxins	31.05	1.824e3	1.464e3	8.921e1	8.486e1	1.05	YES	0.000e0	0.00000	0.054441	0.0905
1,2,3,7,8-PeCDD	31.47	3.598e3	5.185e3	1.122e2	2.884e2	0.39	YES	4.007e2	0.00000	0.11428	0.0905
Total Penta-Dioxins	31.54	9.480e2	3.063e3	3.972e1	1.010e2	0.39	YES	0.000e0	0.00000	0.040449	0.0905
Total Penta-Dioxins	31.85	1.663e3	4.325e3	9.645e1	1.662e2	0.58	NO	2.626e2	0.10337	0.10337	0.0905

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Hexa-Dioxins

Total Hexa-Dioxins	33.32	1.173e5	9.061e4	5.847e3	4.556e3	1.28	NO	1.040e4	6.0651	6.0651	0.198
Total Hexa-Dioxins	33.89	1.231e4	1.193e4	7.437e2	5.549e2	1.34	NO	1.299e3	0.75715	0.75715	0.198
Total Hexa-Dioxins	34.15	6.696e4	5.943e4	4.629e3	3.834e3	1.21	NO	8.462e3	4.9340	4.9340	0.198
Total Hexa-Dioxins	34.26	9.585e3	6.281e3	5.075e2	3.617e2	1.40	NO	8.693e2	0.50683	0.50683	0.198
1,2,3,4,7,8-HxCDD	34.84	2.937e3	1.940e3	1.389e2	1.132e2	1.23	NO	2.521e2	0.14046	0.14046	0.175
1,2,3,6,7,8-HxCDD	34.93	1.654e4	1.104e4	8.373e2	6.365e2	1.32	NO	1.474e3	0.74679	0.74679	0.183
Total Hexa-Dioxins	35.15	3.778e3	3.093e3	2.124e2	1.624e2	1.31	NO	3.749e2	0.21857	0.21857	0.198
1,2,3,7,8,9-HxCDD	35.23	7.275e3	5.489e3	3.125e2	2.418e2	1.29	NO	5.543e2	0.34383	0.34383	0.213

Hepta-Dioxins

Total Hepta-Dioxins	37.74	5.353e5	5.178e5	3.687e4	3.663e4	1.01	NO	7.350e4	71.700	71.700	0.513
1,2,3,4,6,7,8-HpCDD	38.76	3.732e5	3.484e5	2.302e4	2.165e4	1.06	NO	4.468e4	43.586	43.586	0.513

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Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

Tetra-Furans

	Ret. Time	m1 Height	m2 Height	m1 Area	m2 Area	Ratio	NO	1.186e3	0.32295	0.32295	0.152
Total Tetra-Furans	20.87	5.763e3	7.493e3	5.217e2	6.640e2	0.79	NO	1.186e3	0.32295	0.32295	0.152
Total Tetra-Furans	21.49	2.863e4	3.564e4	2.617e3	3.370e3	0.78	NO	5.987e3	1.6309	1.6309	0.152
Total Tetra-Furans	21.98	3.895e3	7.793e3	3.662e2	5.582e2	0.66	NO	0.000e0	0.00000	0.25178	0.152
Total Tetra-Furans	22.05	4.713e3	4.485e3	2.545e2	3.267e2	0.78	NO	0.000e0	0.00000	0.15831	0.152
Total Tetra-Furans	22.35	2.113e3	3.780e3	9.507e1	1.335e2	0.71	NO	0.000e0	0.00000	0.062255	0.152
Total Tetra-Furans	22.47	9.717e3	1.386e4	9.655e2	1.379e3	0.70	NO	0.000e0	0.00000	0.63875	0.152
Total Tetra-Furans	22.94	1.195e4	1.521e4	9.731e2	1.474e3	0.66	NO	2.448e3	0.66669	0.66669	0.152
Total Tetra-Furans	23.31	4.377e3	5.739e3	2.058e2	2.634e2	0.78	NO	4.692e2	0.12781	0.12781	0.152
Total Tetra-Furans	23.91	3.502e3	5.386e3	2.541e2	3.729e2	0.68	NO	0.000e0	0.00000	0.17081	0.152
Total Tetra-Furans	24.04	1.300e4	1.488e4	1.030e3	1.367e3	0.75	NO	0.000e0	0.00000	0.65315	0.152
Total Tetra-Furans	24.19	5.363e3	5.340e3	3.593e2	4.266e2	0.84	NO	0.000e0	0.00000	0.21409	0.152
Total Tetra-Furans	24.66	1.023e4	1.094e4	7.307e2	9.878e2	0.74	NO	1.718e3	0.46807	0.46807	0.152
2,3,7,8-TCDF	25.60	8.795e3	1.330e4	6.938e2	9.083e2	0.76	NO	1.602e3	0.43639	0.43639	0.152
Total Tetra-Furans	27.14	3.515e3	2.724e3	1.532e2	1.754e2	0.87	NO	3.287e2	0.089523	0.089523	0.152
Total Tetra-Furans	27.32	2.956e3	3.472e3	1.415e2	2.094e2	0.68	NO	0.000e0	0.00000	0.095567	0.152
Total Tetra-Furans	27.61	7.747e3	7.566e3	4.680e2	5.522e2	0.85	NO	1.020e3	0.27789	0.27789	0.152

Penta-Furans function 1

	Ret. Time	m1 Height	m2 Height	m1 Area	m2 Area	Ratio	NO	1.442e4	4.0096	4.0096	0.0429
1st Func. Penta-Furans	27.61	1.337e5	8.960e4	8.660e3	5.757e3	1.50	NO	1.442e4	4.0096	4.0096	0.0429

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Penta-Furans

Total Penta-Furans	29.04	8.076e3	6.125e3	4.386e2	2.857e2	1.54	NO	7.243e2	0.20145	0.20145	0.0760
Total Penta-Furans	29.19	4.423e4	3.131e4	3.139e3	2.367e3	1.33	NO	5.507e3	1.5315	1.5315	0.0760
Total Penta-Furans	29.25	7.978e3	4.985e3	3.497e2	2.636e2	1.33	NO	6.132e2	0.17054	0.17054	0.0760
Total Penta-Furans	29.77	3.205e4	1.655e4	1.848e3	1.046e3	1.77	NO	2.894e3	0.80485	0.80485	0.0760
Total Penta-Furans	29.82	8.319e3	4.641e3	2.055e2	1.521e2	1.35	NO	0.000e0	0.00000	0.099465	0.0760
1,2,3,7,8-PeCDF	30.18	1.006e4	8.104e3	4.787e2	4.344e2	1.10	YES	9.131e2	0.00000	0.21256	0.0759
Total Penta-Furans	30.44	1.639e4	1.100e4	8.576e2	5.898e2	1.45	NO	1.447e3	0.40254	0.40254	0.0760
2,3,4,7,8-PeCDF	31.19	2.266e4	1.732e4	1.295e3	9.223e2	1.40	NO	2.217e3	0.60724	0.60724	0.0727
Total Penta-Furans	31.21	1.689e4	1.017e4	2.714e2	1.925e2	1.41	NO	0.000e0	0.00000	0.12902	0.0760

Hexa-Furans

Total Hexa-Furans	32.78	2.546e4	1.699e4	1.045e3	9.172e2	1.14	NO	1.962e3	0.94641	0.94641	0.114
Total Hexa-Furans	32.95	7.137e4	5.162e4	3.254e3	2.718e3	1.20	NO	5.972e3	2.8802	2.8802	0.114
Total Hexa-Furans	33.49	9.777e4	7.112e4	4.403e3	3.480e3	1.27	NO	7.883e3	3.8022	3.8022	0.114
1,2,3,4,7,8-HxCDF	33.96	1.010e4	9.276e3	5.671e2	4.520e2	1.25	NO	1.019e3	0.50304	0.50304	0.107
1,2,3,6,7,8-HxCDF	34.09	6.434e3	5.445e3	3.284e2	2.670e2	1.23	NO	5.954e2	0.25816	0.25816	0.101
2,3,4,6,7,8-HxCDF	34.69	9.412e3	9.078e3	5.007e2	4.195e2	1.19	NO	9.202e2	0.45964	0.45964	0.114
1,2,3,7,8,9-HxCDF	35.61	2.841e3	2.782e3	1.472e2	1.543e2	0.95	YES	3.015e2	0.00000	0.16496	0.165
Total Hexa-Furans	35.65	1.783e3	1.525e3	3.341e1	2.899e1	1.15	NO	6.240e1	0.030096	0.030096	0.114

Hepta-Furans

1,2,3,4,6,7,8-HpCDF	37.35	5.617e4	6.275e4	4.252e3	4.163e3	1.02	NO	8.416e3	6.7857	6.7857	0.202
Total Hepta-Furans	37.96	9.050e4	8.718e4	5.969e3	6.147e3	0.97	NO	1.212e4	11.666	11.666	0.221

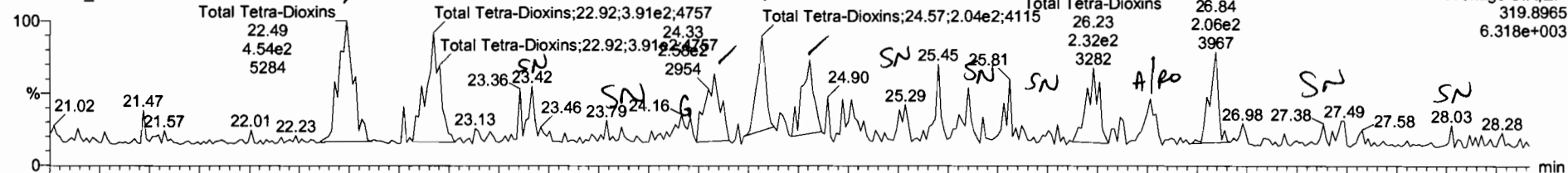
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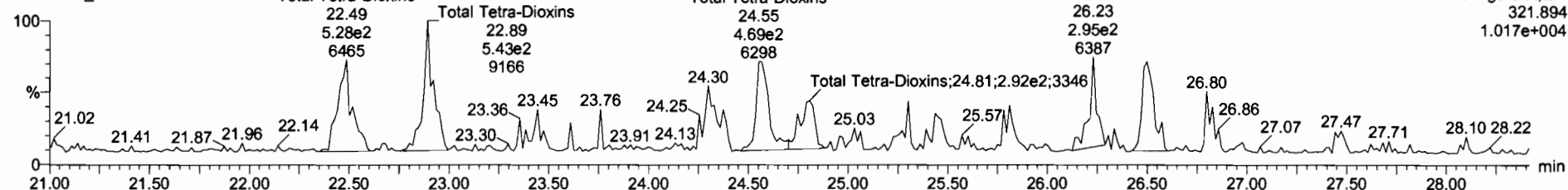
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2,3,7,8-TCDD

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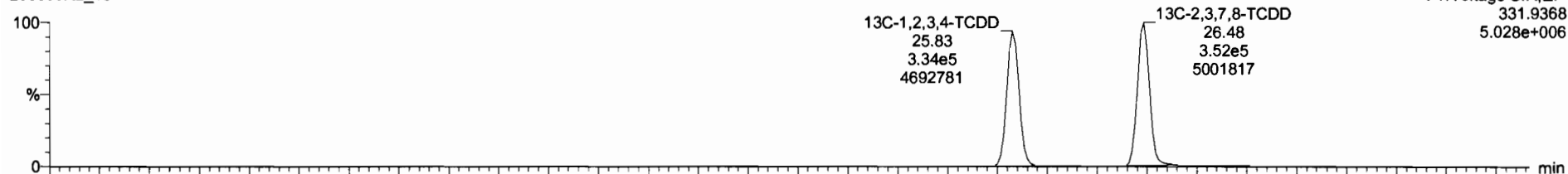


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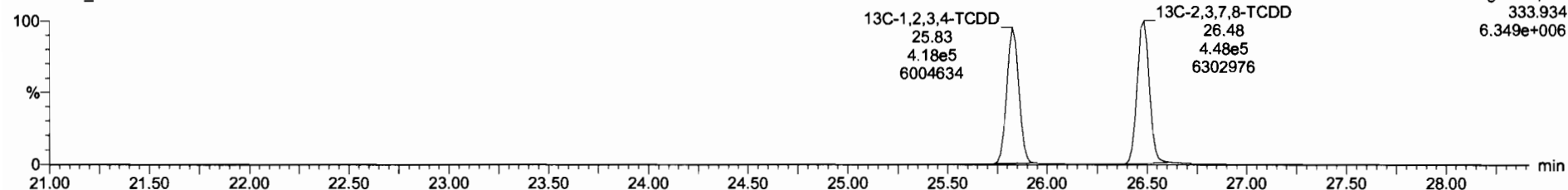


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200605R2_16

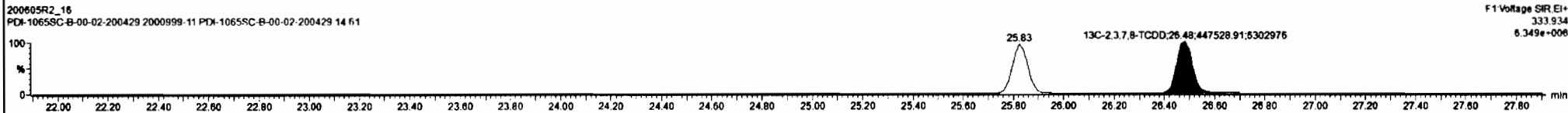
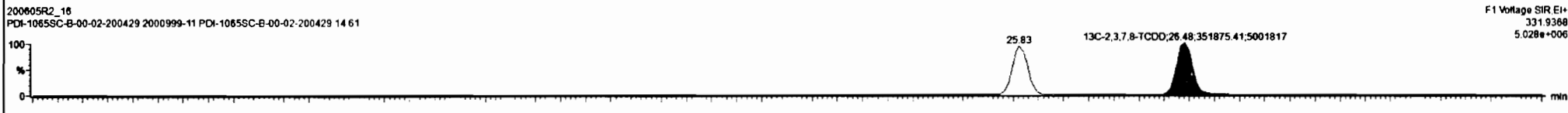
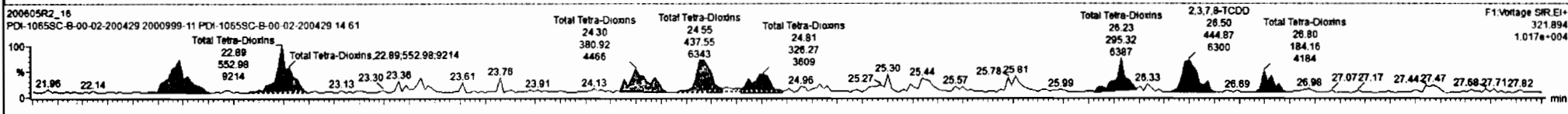
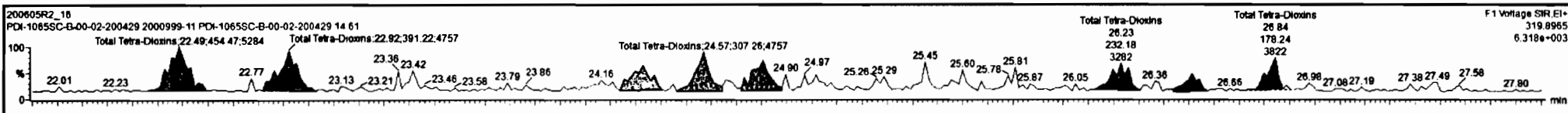


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Total Penta-Dioxins	0.9981	10.022	1.11	0.9905	2.37
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Total Tetra-Dioxins	22.49	4.545e2	5.281e2	0.86	NO	0.27000	0.27812
Total Tetra-Dioxins	22.82	3.912e2	5.530e2	0.71	NO	0.28500	0.28534
Total Tetra-Dioxins	24.33	2.578e2	3.809e2	0.68	NO	0.17900	0.17950
Total Tetra-Dioxins	24.57	3.073e2	4.378e2	0.70	NO	0.20900	0.20931
Total Tetra-Dioxins	24.81	2.887e2	3.263e2	0.88	NO	0.17300	0.17284
Total Tetra-Dioxins	26.23	2.322e2	2.953e2	0.79	NO	0.14800	0.14824
Total Tetra-Dioxins	26.84	1.782e2	1.842e2	0.97	YES	0.09200	0.09000
2,3,7,8-TCDD	26.51	1.368e2	4.449e2	0.31	YES	0.06900	0.06900



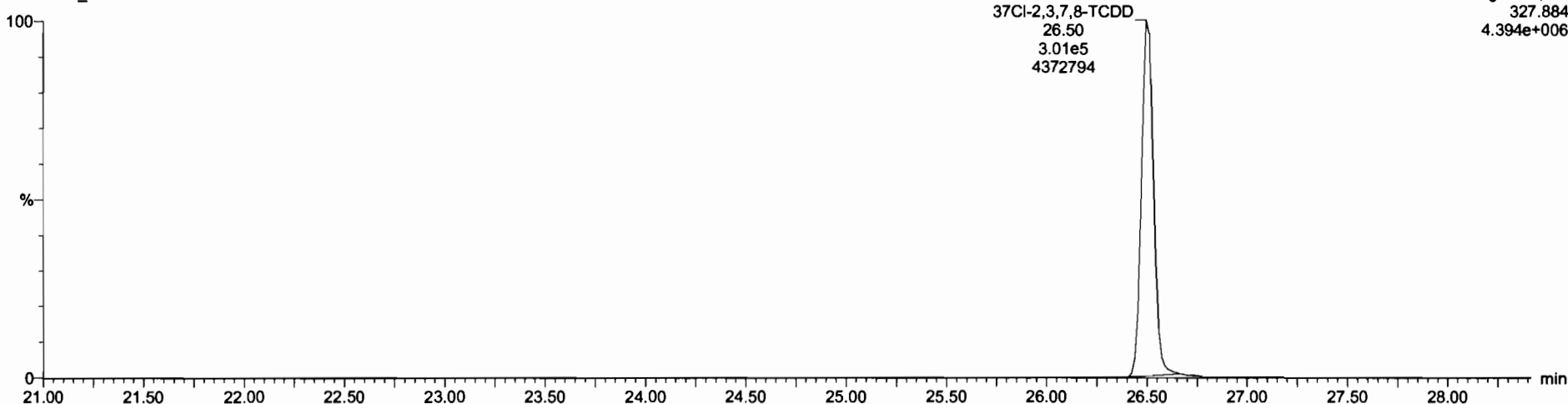
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Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

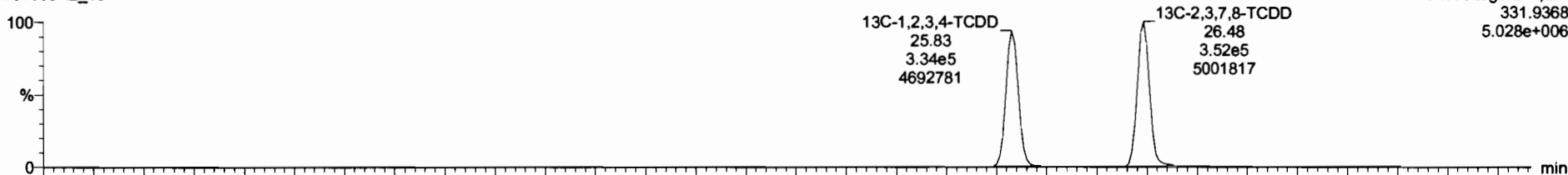
37Cl-2,3,7,8-TCDD

200605R2_16

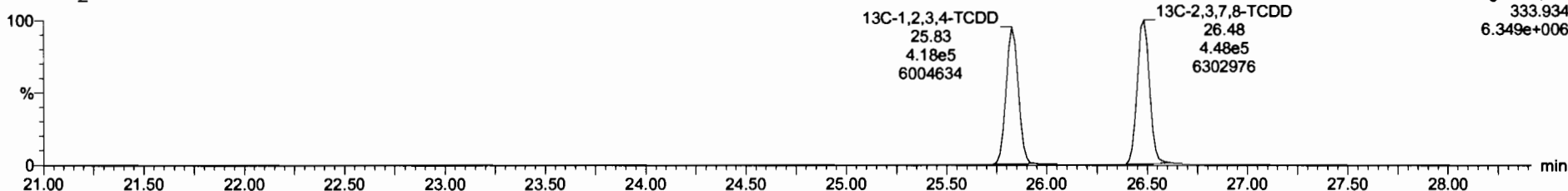


13C-1,2,3,4-TCDD

200605R2_16



200605R2_16



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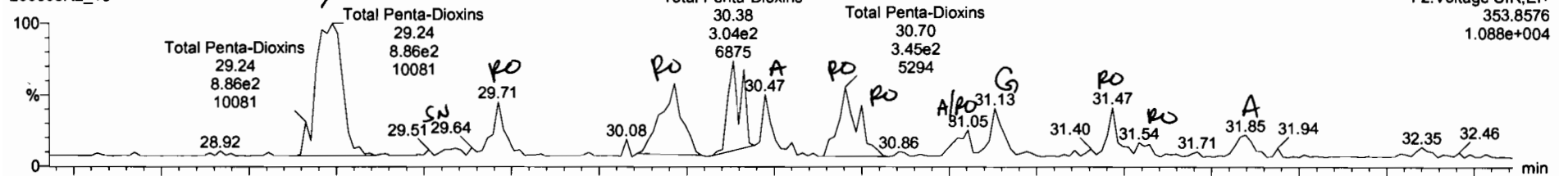
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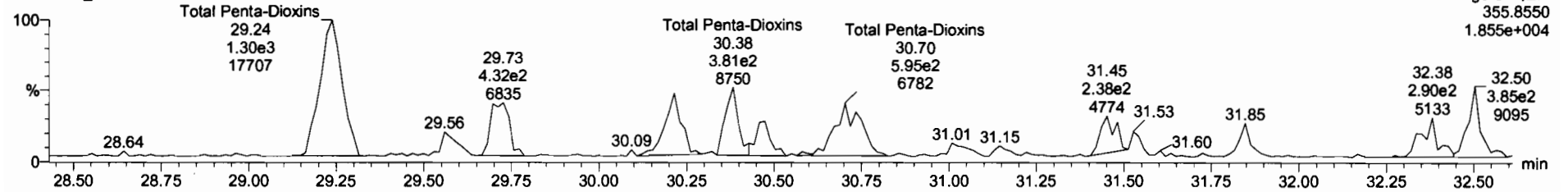
Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

1,2,3,7,8-PeCDD

200605R2_16

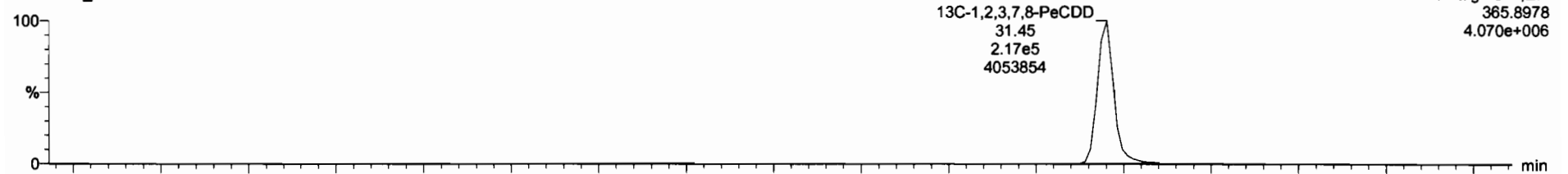


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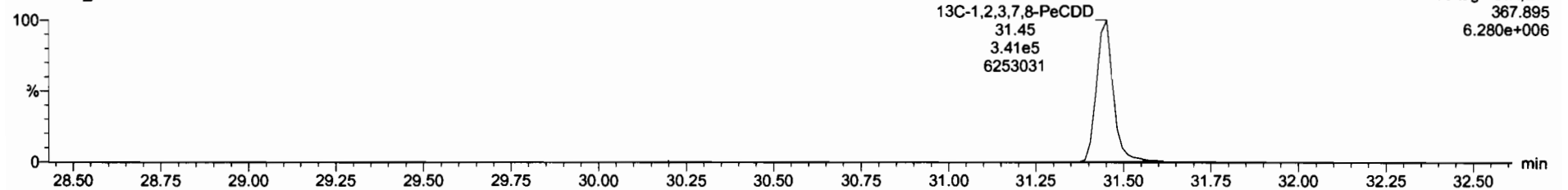


13C-1,2,3,7,8-PeCDD

200605R2_16

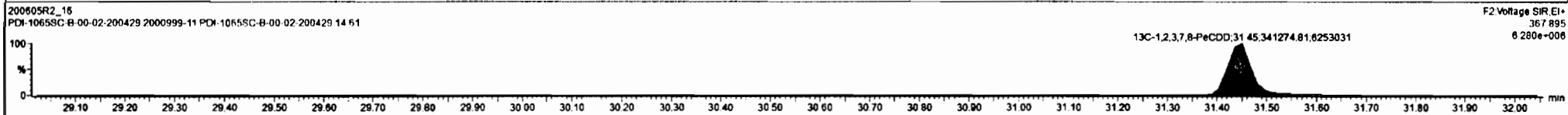
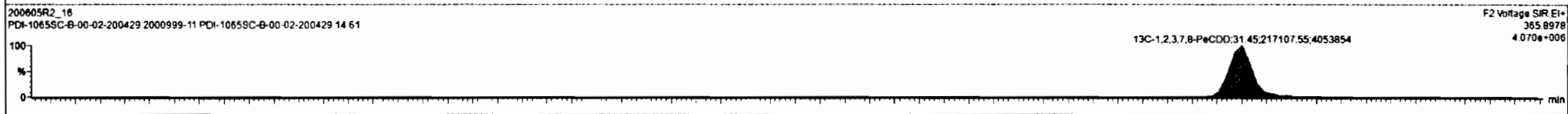
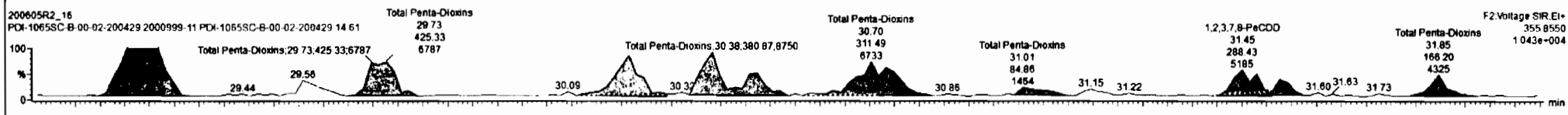
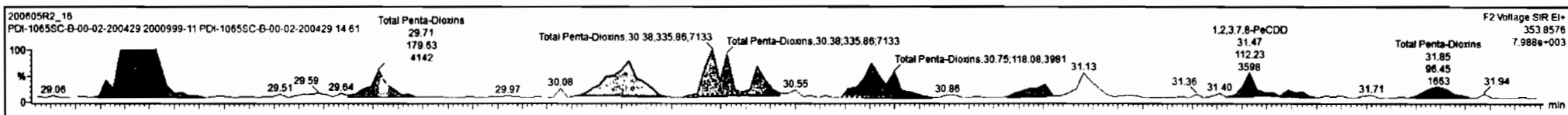


200605R2_16



Sample Name	Yield	Yield	Yield	Yield	Yield	Yield	Yield
Total Tetra-Dioxins	0.8093	10.022		1.25	0.102	1.43	

Sample Name	Yield	Yield	Yield	Yield	Yield	Yield	Yield
Total Penta-Dioxins	29.24	8.850e2	1.290e3	0.88	NO	0.86000	0.86985
Total Penta-Dioxins	30.22	3.895e2	4.792e2	0.81	YES	0.30700	0.00000
Total Penta-Dioxins	30.38	3.350e2	3.809e2	0.88	YES	0.24400	0.00000
Total Penta-Dioxins	30.70	2.329e2	3.115e2	0.75	YES	0.20000	0.00000
Total Penta-Dioxins	29.71	1.796e2	4.253e2	0.42	YES	0.18300	0.00000
Total Penta-Dioxins	30.47	1.383e2	2.272e2	0.61	NO	0.14400	0.14387
Total Penta-Dioxins	30.75	1.181e2	2.383e2	0.46	YES	0.12000	0.00000
Total Penta-Dioxins	31.85	9.645e1	1.862e2	0.58	NO	0.10500	0.10337
1,2,3,7,8-PeCDD	31.47	1.122e2	2.884e2	0.39	YES	0.11400	0.00000
Total Penta-Dioxins	31.54	3.972e1	1.010e2	0.39	YES	0.040000	0.00000
Total Penta-Dioxins	31.05	8.921e1	8.486e1	1.05	YES	0.054000	0.00000



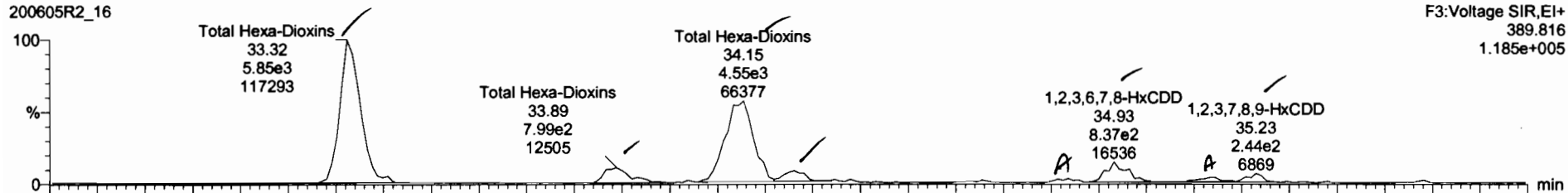
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

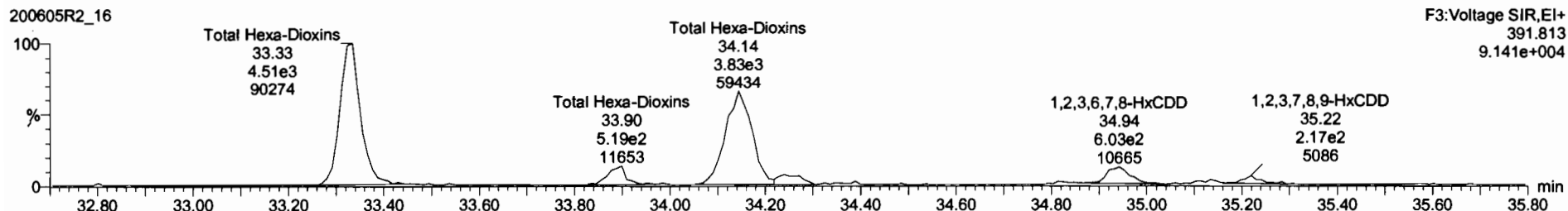
Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

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

200605R2_16



200605R2_16

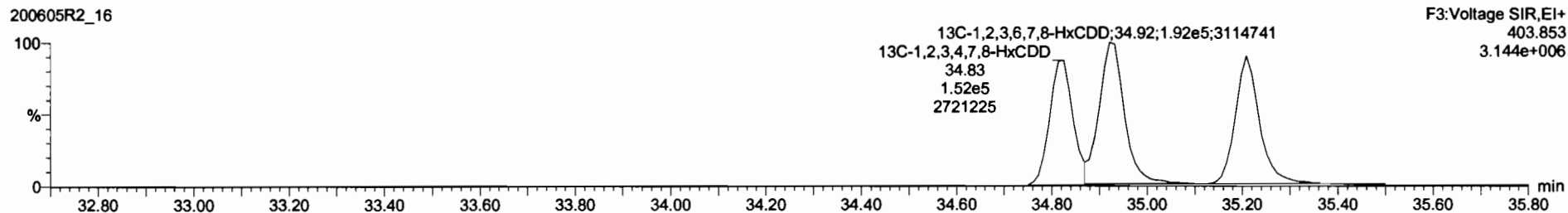


13C-1,2,3,4,7,8-HxCDD

200605R2_16

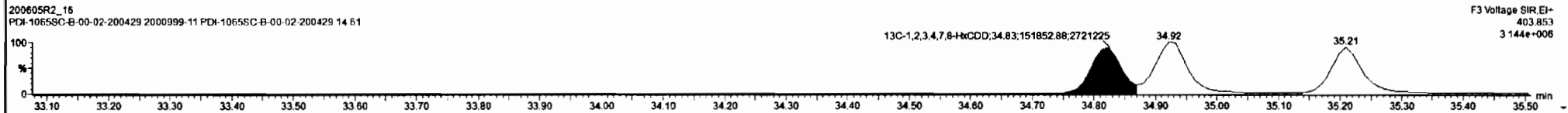
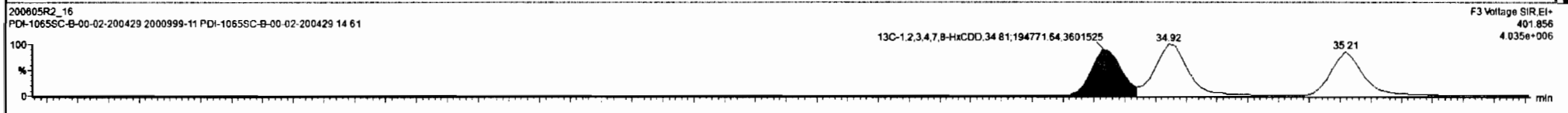
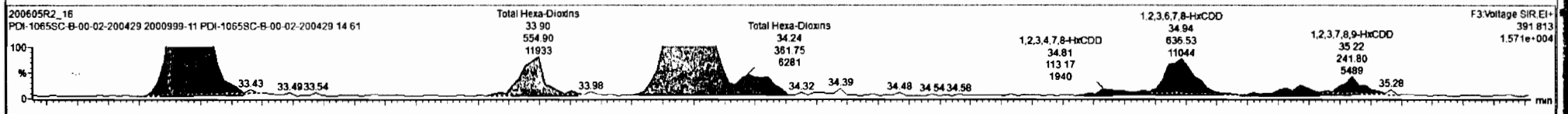
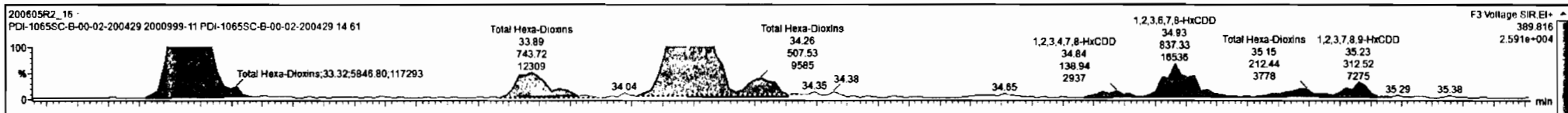


200605R2_16



Component	Area	Height	Width	Retention	Integration	Response	Concentration	Unit
Total Tetra-Dioxins	0.8883	10.022			1.25		0.102	1.43
Total Penta-Dioxins	0.9081	10.022			1.11		0.0905	2.37

Component	Area	Height	Width	Retention	Integration	Response	Concentration	Unit
Total Hexa-Dioxins	33.32	5.847e3	4.556e3	1.28	NO	0.0850	0.0651	
Total Hexa-Dioxins	33.89	7.437e2	5.549e2	1.34	NO	0.75700	0.75715	
Total Hexa-Dioxins	34.15	4.629e3	3.834e3	1.21	NO	4.8340	4.8340	
Total Hexa-Dioxins	34.26	5.075e2	3.817e2	1.40	NO	0.50700	0.50683	
1,2,3,6,7,8-HxCDD	34.93	8.373e2	8.365e2	1.32	NO	0.74700	0.74679	
Total Hexa-Dioxins	35.15	2.124e2	1.824e2	1.31	NO	0.21900	0.21857	
1,2,3,7,8,9-HxCDD	35.23	3.125e2	2.418e2	1.29	NO	0.34490	0.34383	
1,2,3,4,7,8-HxCDD	34.84	1.389e2	1.132e2	1.23	NO	0.14000	0.14048	



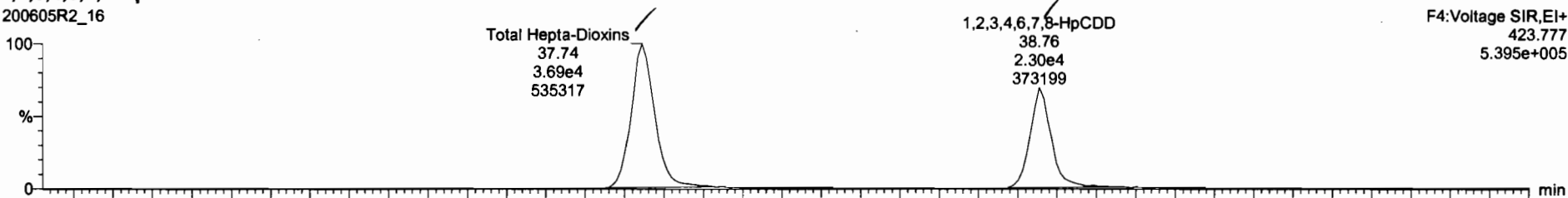
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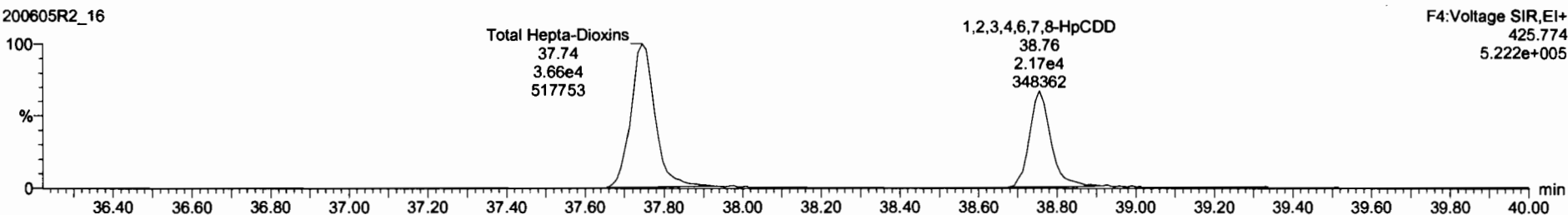
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1,2,3,4,6,7,8-HpCDD

200605R2_16

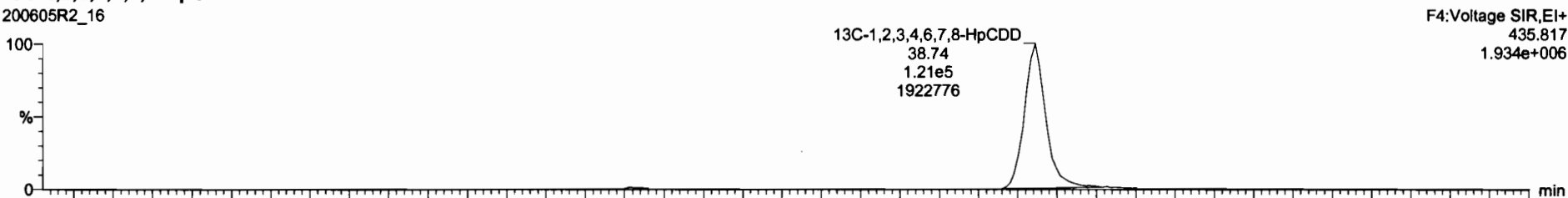


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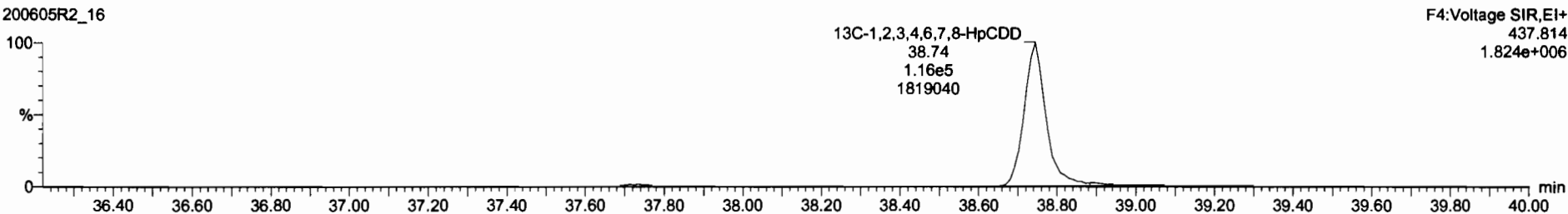


13C-1,2,3,4,6,7,8-HpCDD

200605R2_16



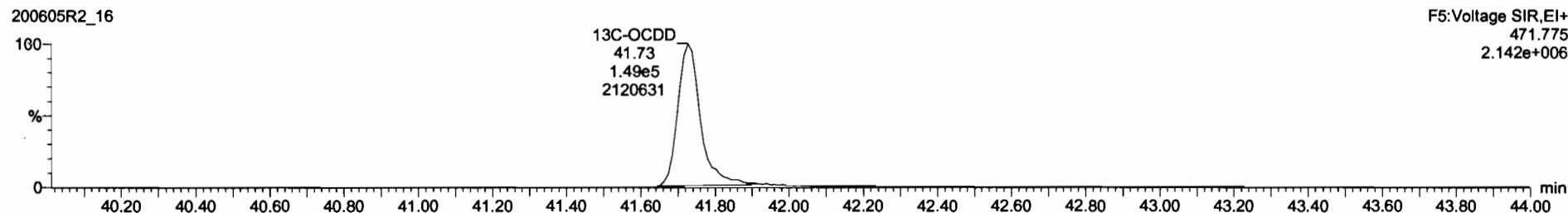
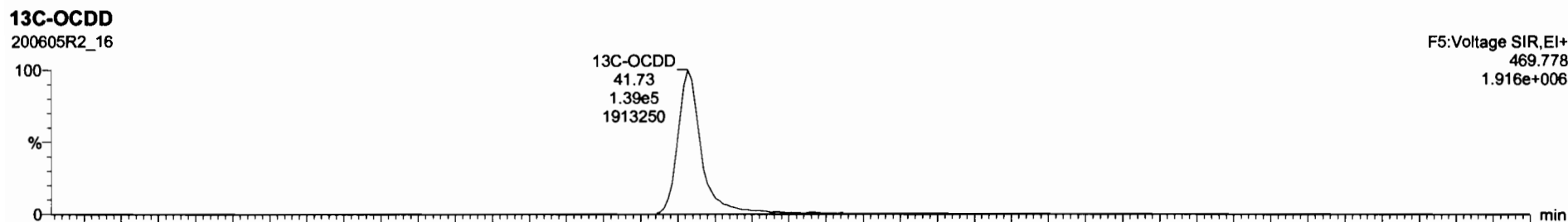
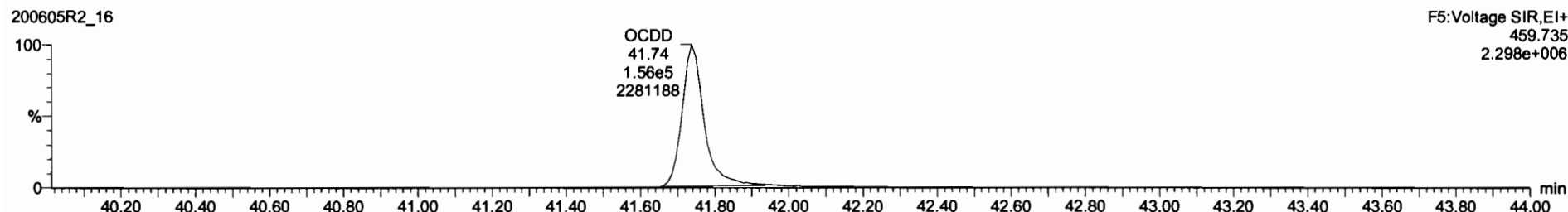
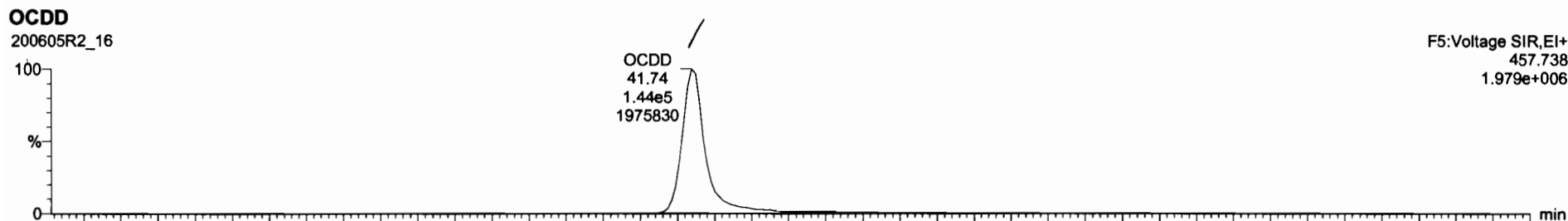
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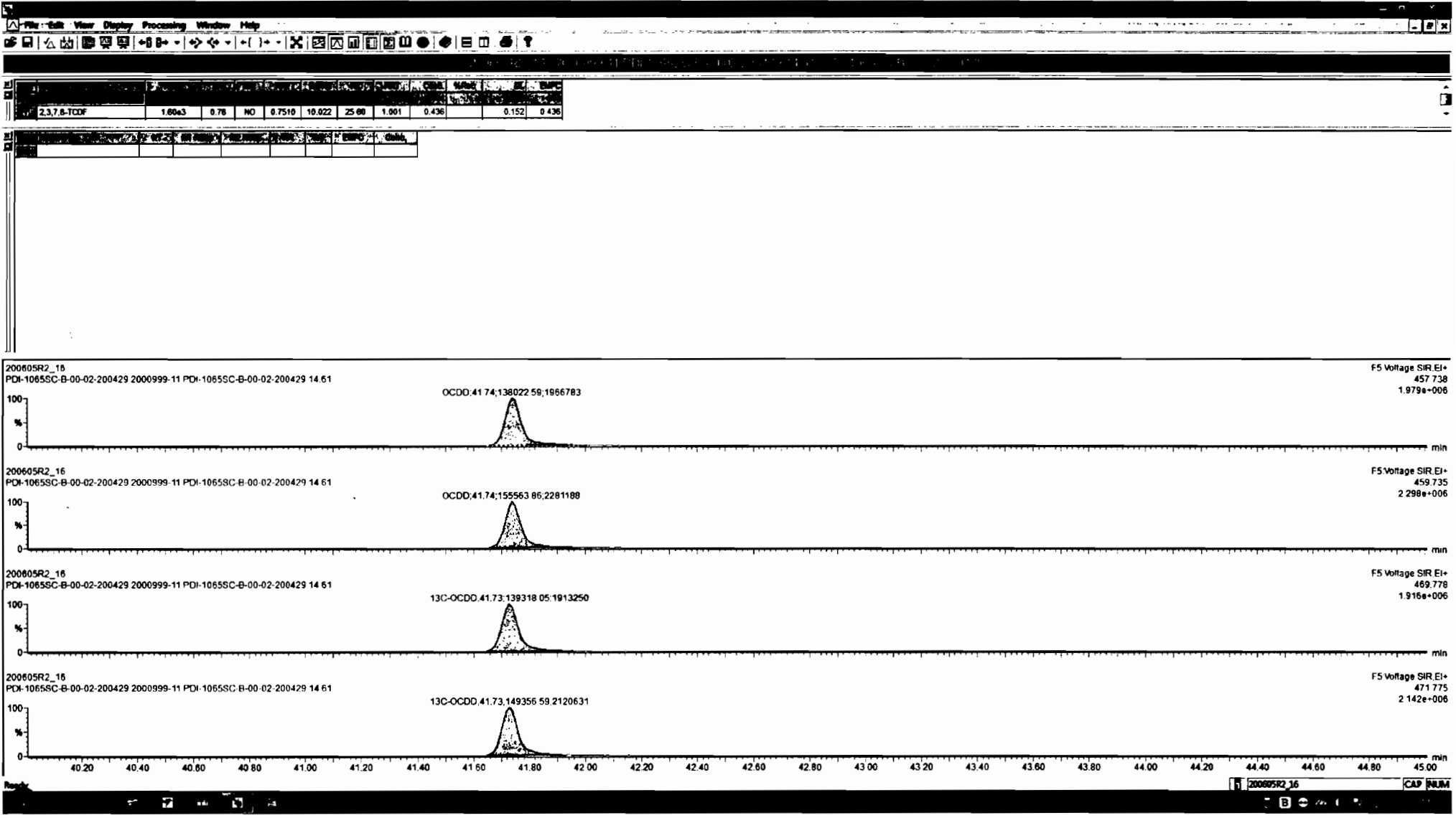


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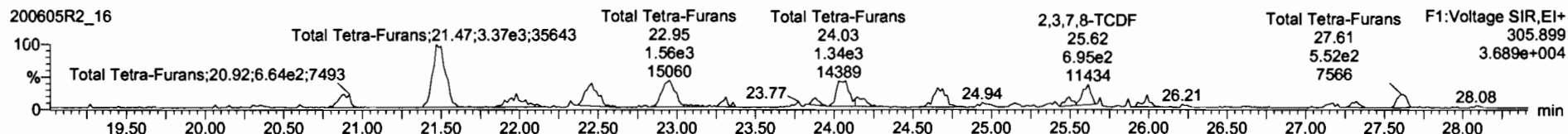
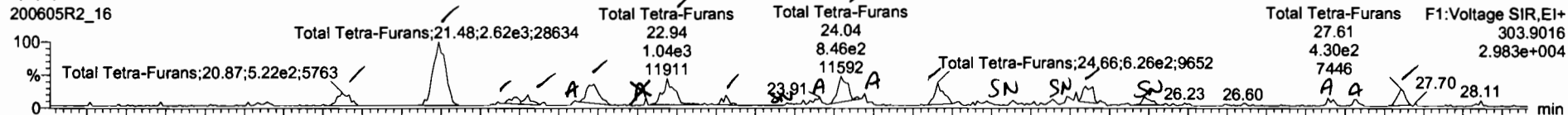


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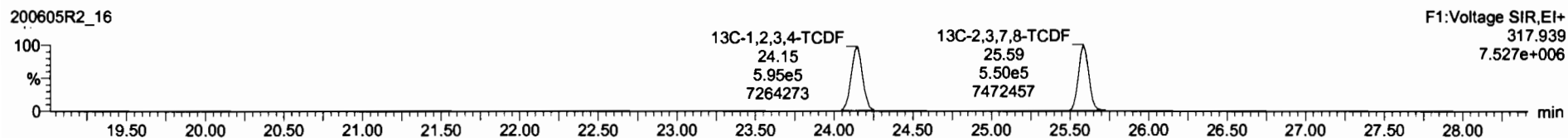
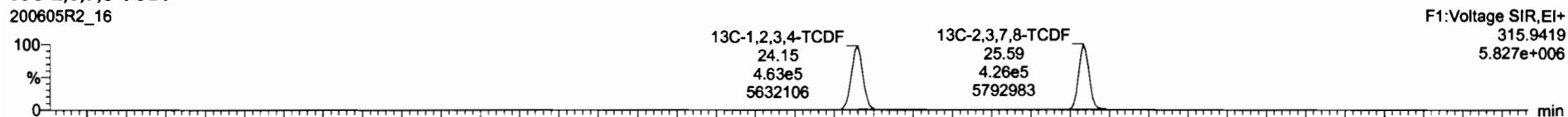
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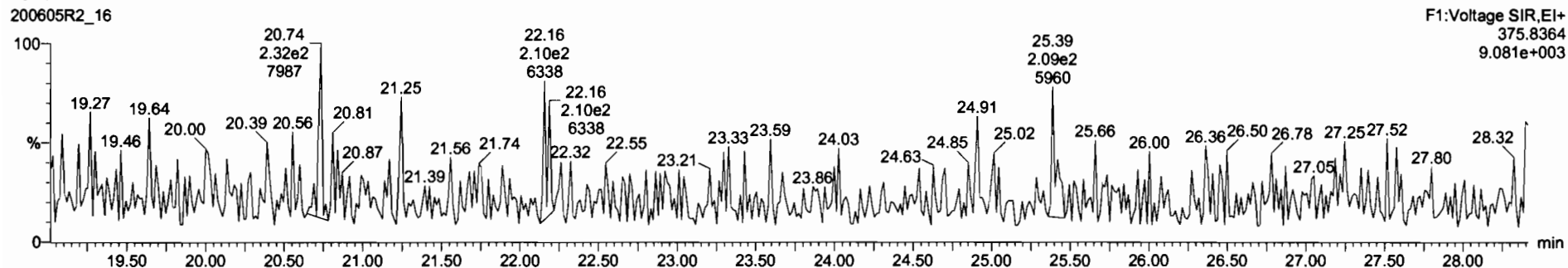
2,3,7,8-TCDF

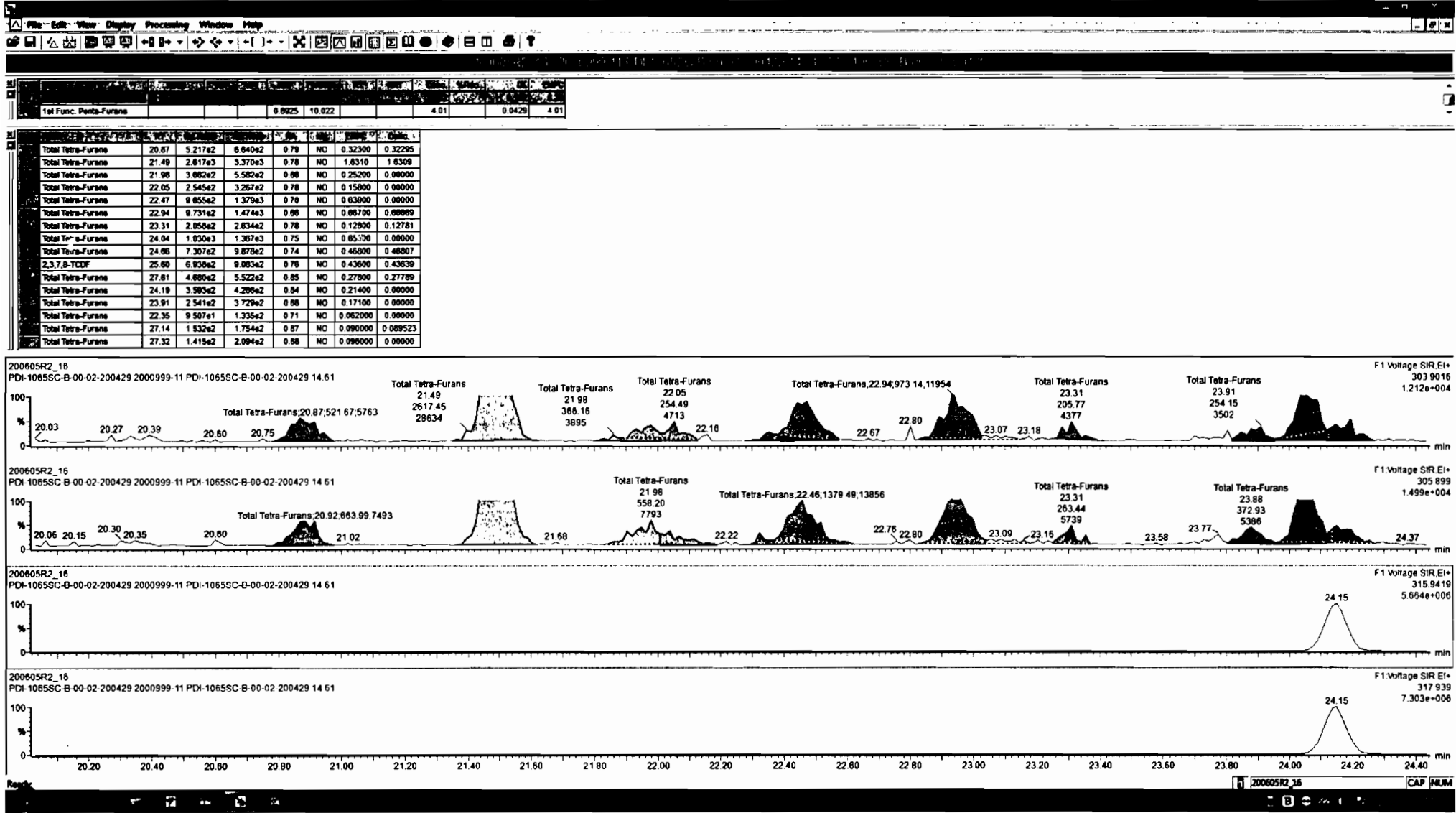


13C-2,3,7,8-TCDF



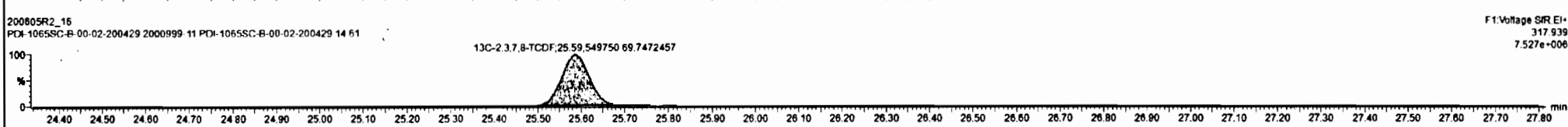
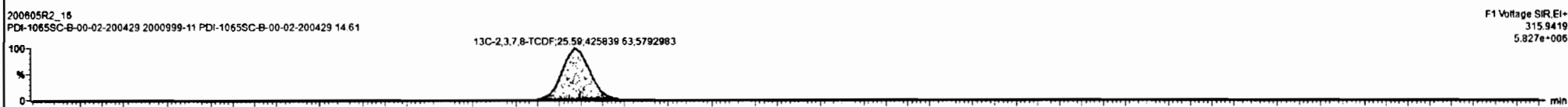
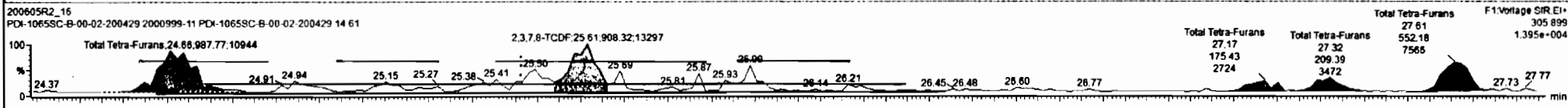
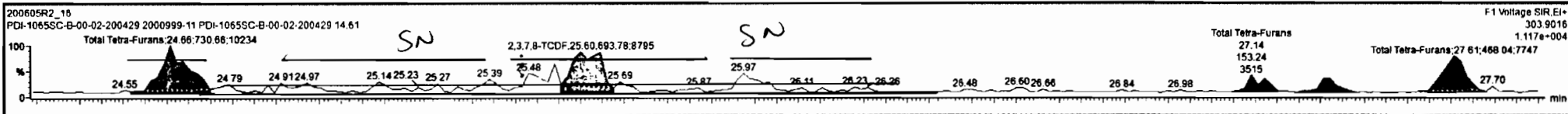
DPE1





Total Func. Penta-Furans			0.8625	10.022		4.01	0.0429	4.01
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Total Tetra-Furans	Area	Height	Width	Area	Height	Width	Area	Height	Width
Total Tetra-Furans	20.87	5.217e2	6.840e2	0.79	NO	0.32300	0.32295		
Total Tetra-Furans	21.49	2.617e3	3.370e3	0.78	NO	1.6310	1.6300		
Total Tetra-Furans	21.98	3.962e2	5.582e2	0.86	NO	0.25200	0.00000		
Total Tetra-Furans	22.05	2.545e2	3.267e2	0.78	NO	0.15800	0.00000		
Total Tetra-Furans	22.47	9.655e2	1.379e3	0.70	NO	0.63900	0.00000		
Total Tetra-Furans	22.94	9.731e2	1.474e3	0.86	NO	0.66700	0.66989		
Total Tetra-Furans	23.31	2.058e2	2.834e2	0.78	NO	0.12800	0.12781		
Total Tetra-Furans	24.04	1.830e3	1.367e3	0.75	NO	0.85300	0.00000		
Total Tetra-Furans	24.86	7.307e2	9.878e2	0.74	NO	0.46800	0.46807		
2,3,7,8-TCDF	25.60	6.838e2	9.063e2	0.76	NO	0.43600	0.43638		
Total Tetra-Furans	27.61	4.680e2	5.522e2	0.85	NO	0.27800	0.27789		
Total Tetra-Furans	24.19	3.593e2	4.266e2	0.84	NO	0.21400	0.00000		
Total Tetra-Furans	23.91	2.541e2	3.729e2	0.68	NO	0.17100	0.00000		
Total Tetra-Furans	22.35	9.507e1	1.335e2	0.71	NO	0.062000	0.00000		
Total Tetra-Furans	27.14	1.532e2	1.754e2	0.87	NO	0.090000	0.089523		
Total Tetra-Furans	27.32	1.415e2	2.094e2	0.68	NO	0.098000	0.00000		



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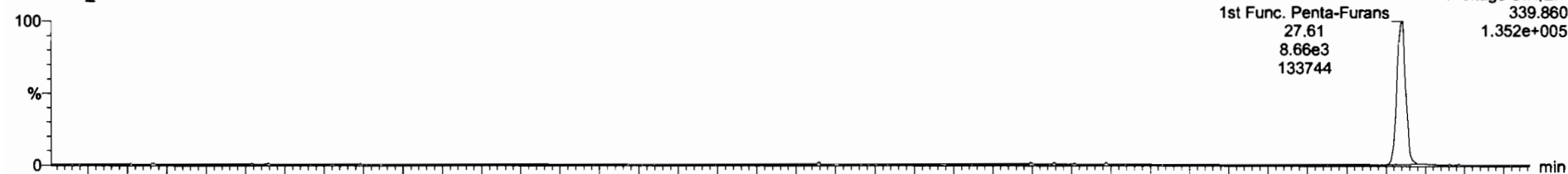
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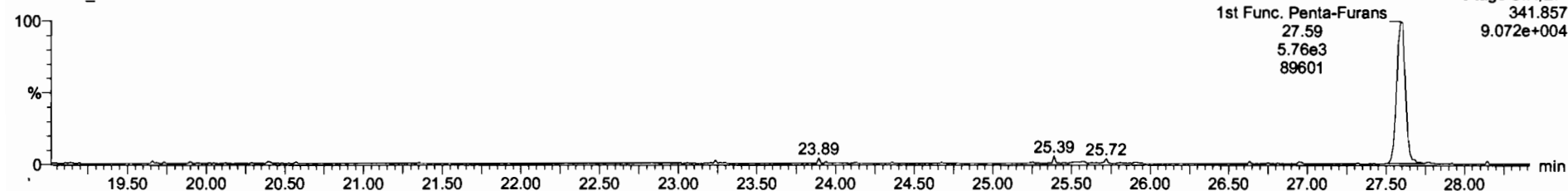
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1st Func. Penta-Furans

200605R2_16

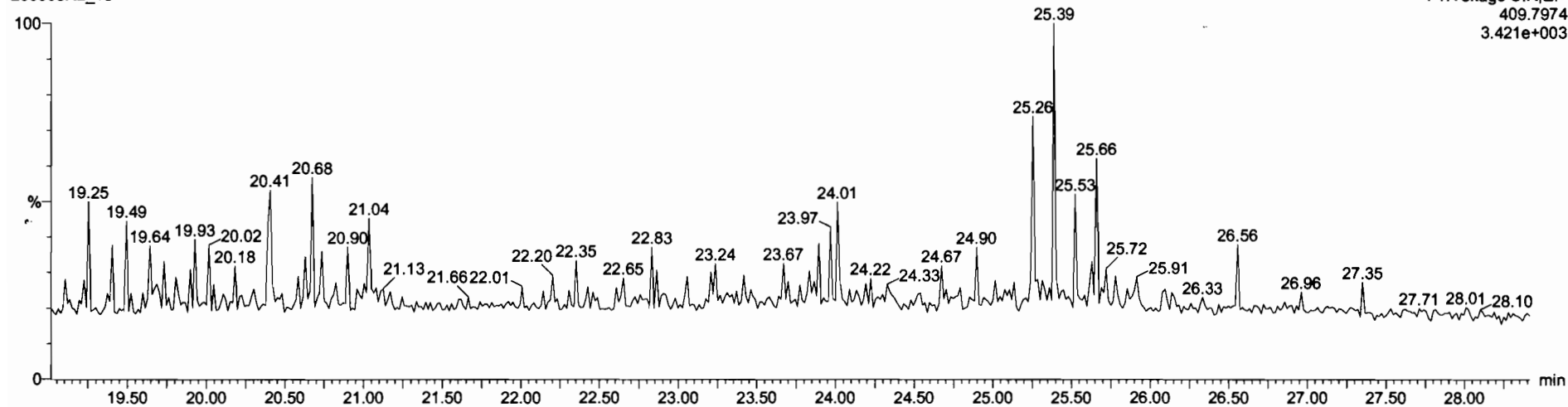


200605R2_16



DPE6

200605R2_16

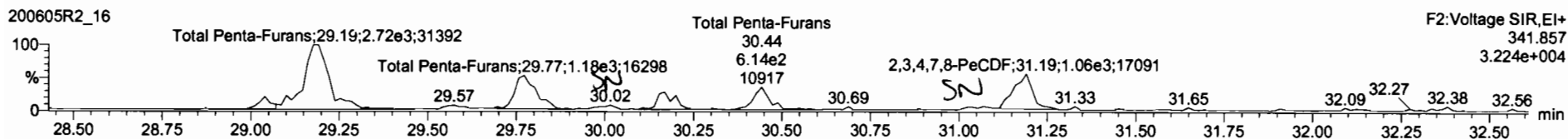
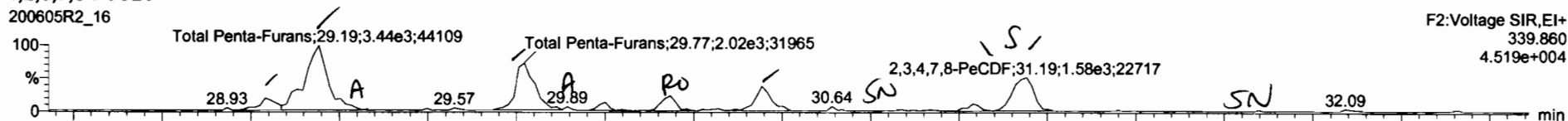


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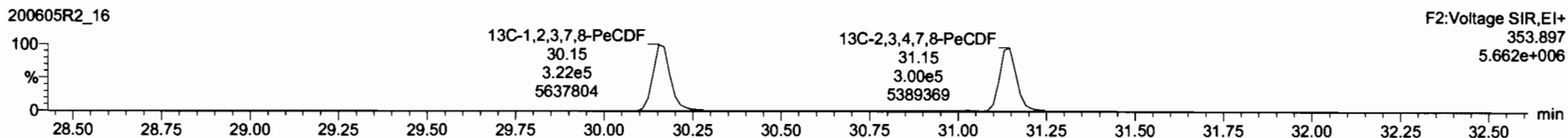
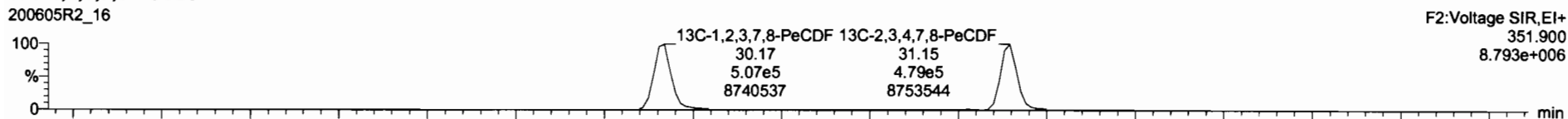
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

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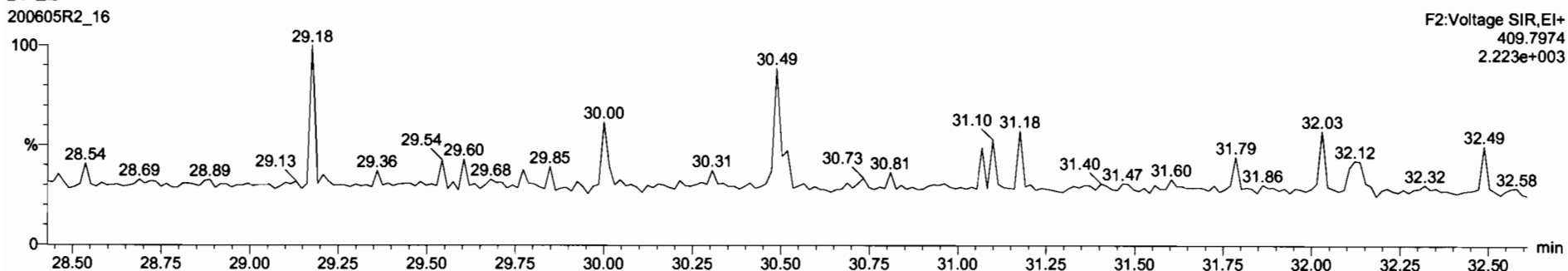
1,2,3,7,8-PeCDF



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

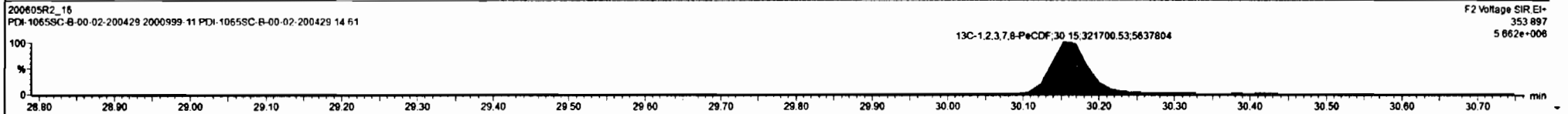
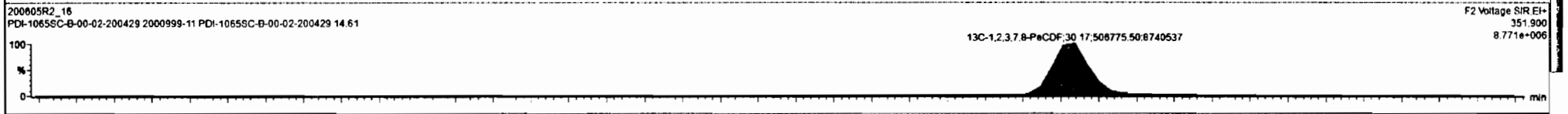
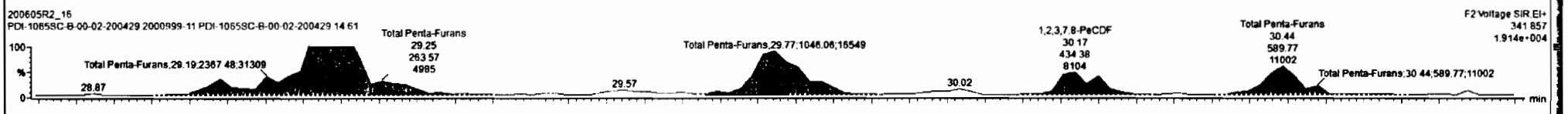
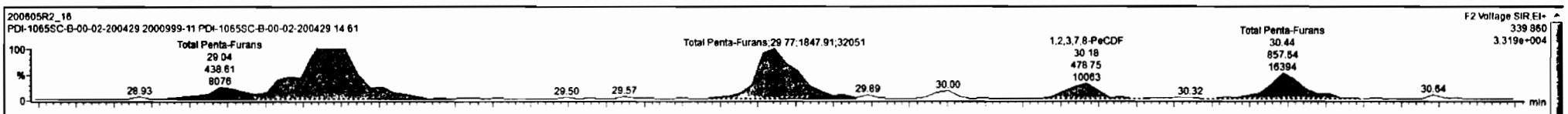


DPE2



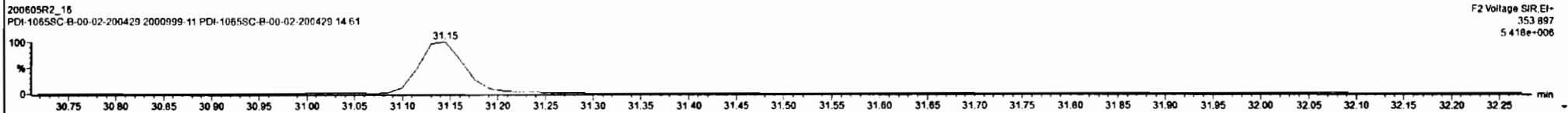
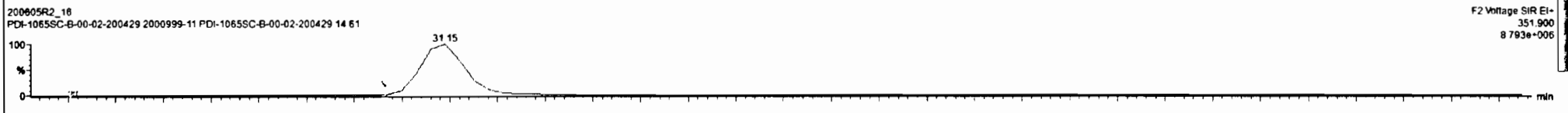
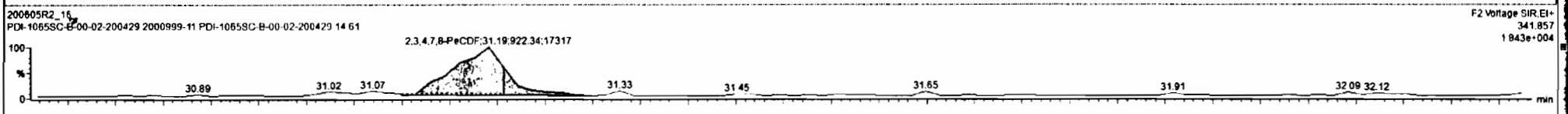
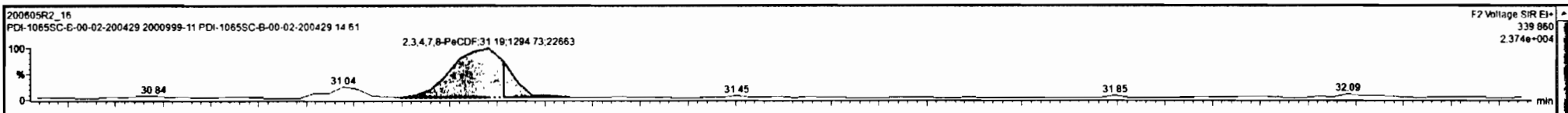
Sample	Time	Area	Height	Width	Retention	Response	Integration	Integration	Integration
Total Tetra-Furans		0.7510	10.022			4.02		0.152	6.26
Total Fur-2-Penta-Furans		0.8625	10.022			4.01		0.0429	4.01

Sample	Time	Area	Height	Width	Retention	Response	Integration	Integration	Integration
Total Penta-Furans	29.04	4.386e2	2.857e2	1.53	NO	0.20100	0.20145		
Total Penta-Furans	29.19	3.130e3	2.367e3	1.33	NO	1.5310	1.5315		
Total Penta-Furans	29.77	1.848e3	1.046e3	1.77	NO	0.80500	0.80485		
1,2,3,7,8-PeCDF	30.18	4.787e2	4.344e2	1.19	YES	0.21300	0.00000		
Total Penta-Furans	30.44	8.578e2	5.886e2	1.45	NO	0.40300	0.40254		
2,3,4,7,8-PeCDF	31.19	1.295e3	9.223e2	1.40	NO	0.80700	0.80724		
Total Penta-Furans	31.21	2.714e2	1.825e2	1.41	NO	0.12900	0.00000		
Total Penta-Furans	29.82	2.055e2	1.521e2	1.35	NO	0.099000	0.00000		
Total Penta-Furans	29.25	3.497e2	2.636e2	1.33	NO	0.17100	0.17054		



NAME	CONC	UNIT	REMARKS	DATE	TIME	RT	SRV	CHG	QA/QC	DL	EMPC	
Total Tetra-Furans						0.7510	10.022			4.02	0.152	8.20
1st Func. Penta-Furans						0.8825	10.022			4.01	0.0429	4.81

NAME	CONC	UNIT	REMARKS	DATE	TIME	RT	SRV	CHG	QA/QC	DL	EMPC
Total Penta-Furans	20.04	4.386e2	2.857e2	1.53	NO	0.20100	0.20145				
Total Penta-Furans	29.19	3.130e3	2.367e3	1.33	NO	1.5310	1.5315				
Total Penta-Furans	29.77	1.848e3	1.046e3	1.77	NO	0.80500	0.80485				
1,2,3,7,8-PeCDF	30.18	4.787e2	4.344e2	1.10	YES	0.21300	0.00000				
Total Penta-Furans	30.44	8.578e2	5.898e2	1.45	NO	0.40300	0.40254				
2,3,4,7,8-PeCDF	31.19	1.295e3	9.223e2	1.40	NO	0.80700	0.80724				
Total Penta-Furans	31.21	2.714e2	1.825e2	1.41	NO	0.12900	0.00000				
Total Penta-Furans	29.82	2.955e2	1.521e2	1.35	NO	0.099000	0.00000				
Total Penta-Furans	29.25	3.487e2	2.636e2	1.33	NO	0.17100	0.17054				



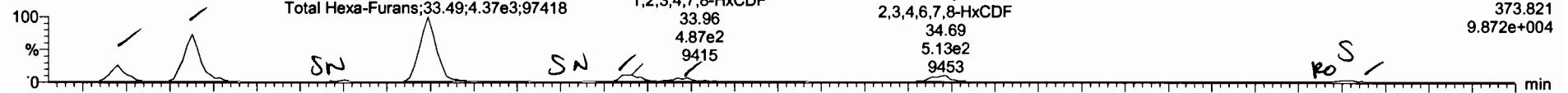
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

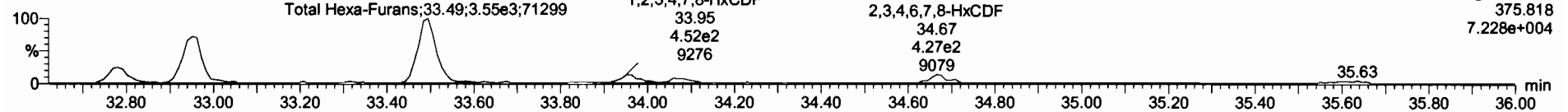
Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

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

200605R2_16

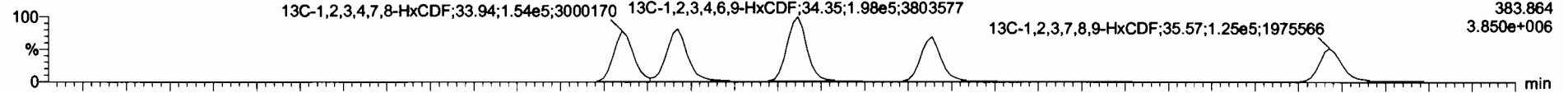


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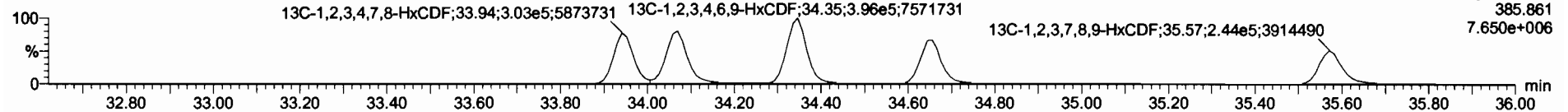


13C-1,2,3,4,7,8-HxCDF

200605R2_16

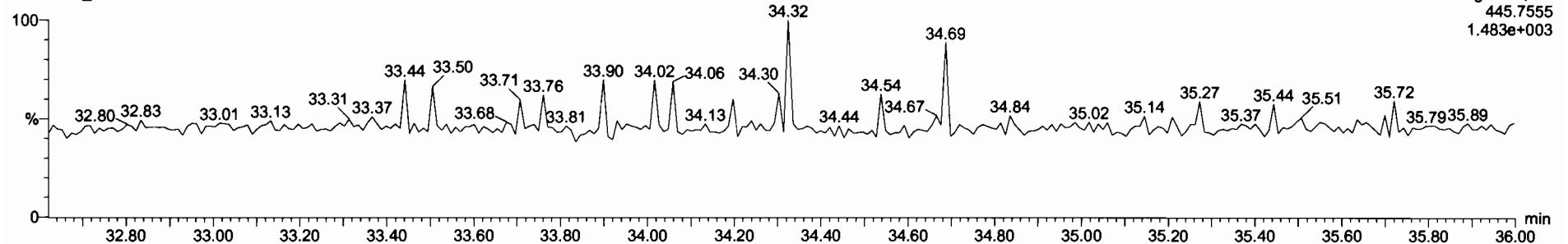


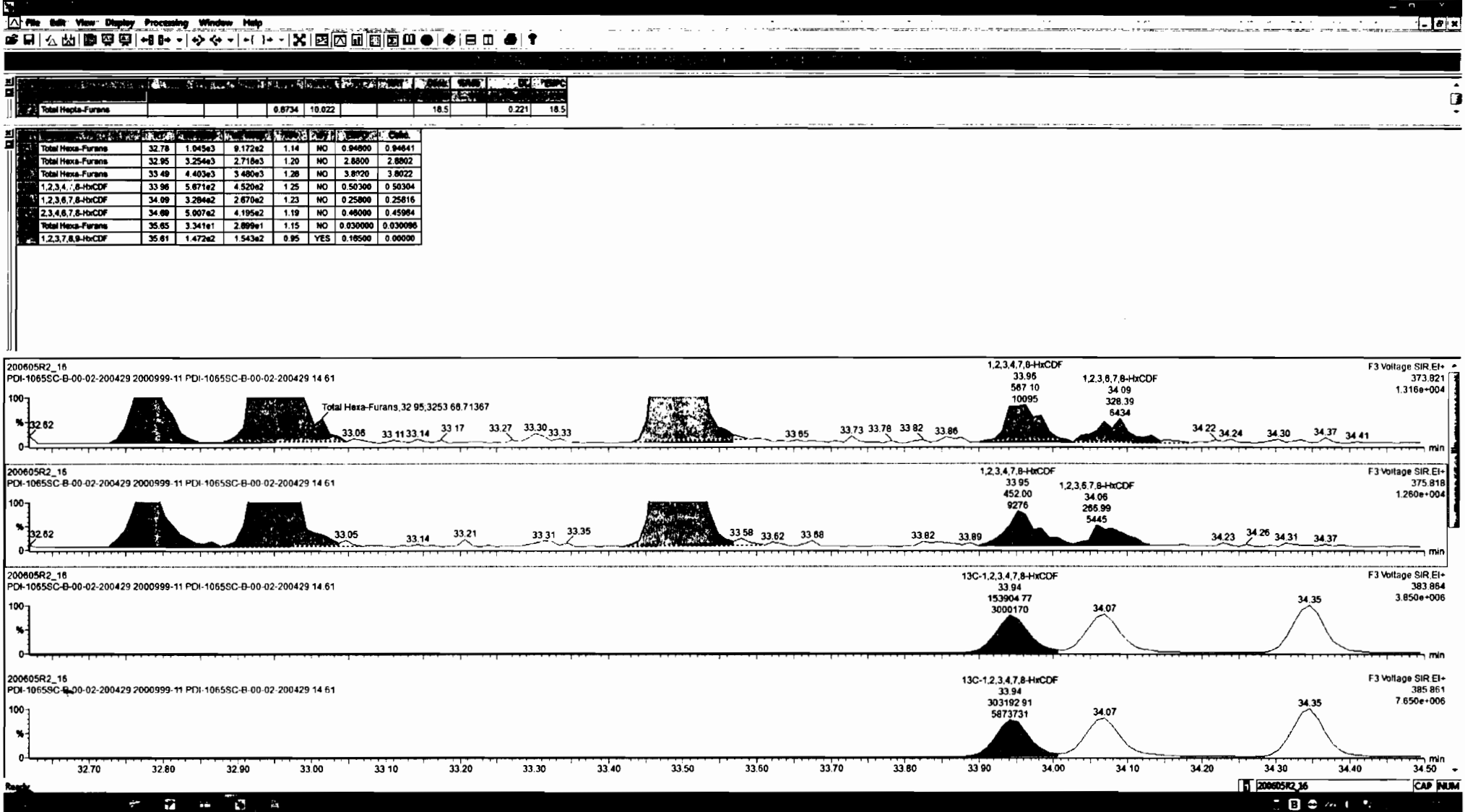
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DPE3

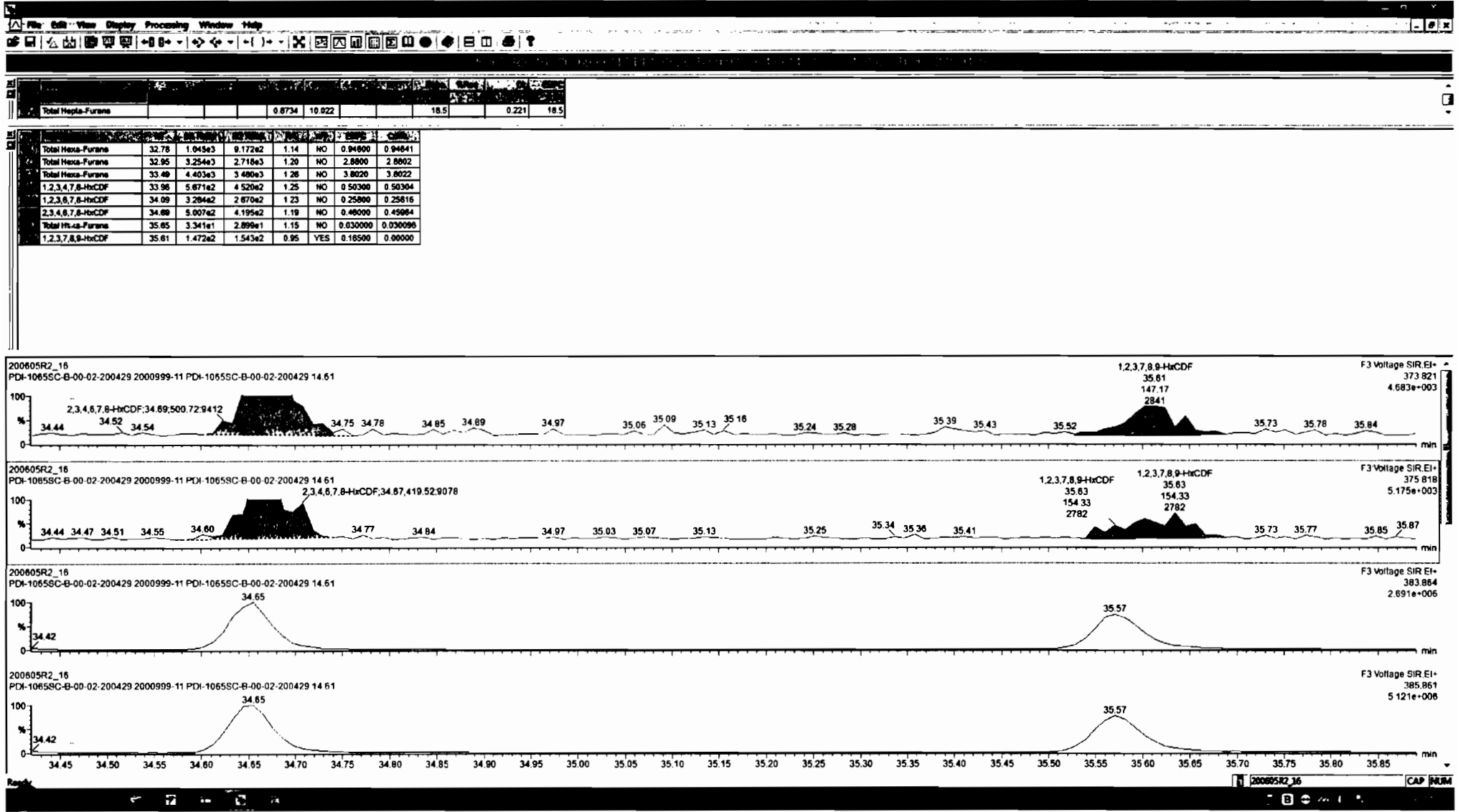
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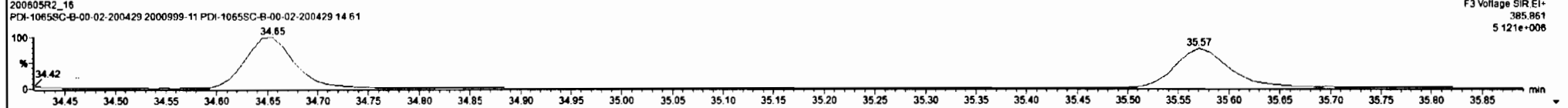
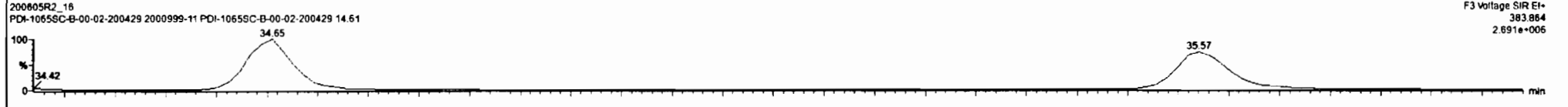
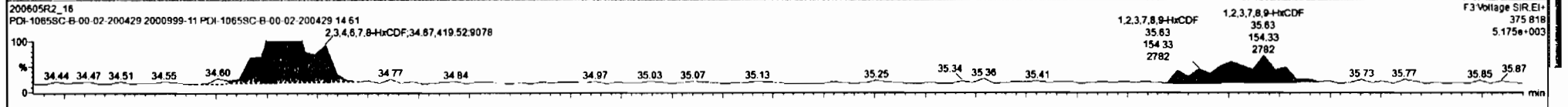
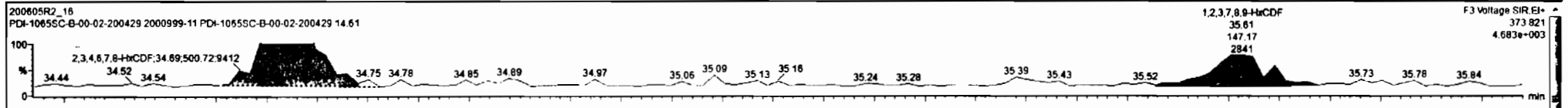
Total Hexa-Furans	0.8734	10.022	18.5	0.221	18.5
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Comp	RT	Area	Height	W	NO	Q	Coll
Total Hexa-Furans	32.78	1.045e3	9.172e2	1.14	NO	0.94800	0.94641
Total Hexa-Furans	32.95	3.254e3	2.718e3	1.20	NO	2.8800	2.8802
Total Hexa-Furans	33.49	4.403e3	3.480e3	1.28	NO	3.8920	3.8022
1,2,3,4,7,8-HxCDF	33.96	5.871e2	4.520e2	1.25	NO	0.50300	0.50304
1,2,3,6,7,8-HxCDF	34.09	3.284e2	2.670e2	1.23	NO	0.25800	0.25816
2,3,4,6,7,8-HxCDF	34.09	5.007e2	4.195e2	1.19	NO	0.48000	0.45984
Total Hexa-Furans	35.65	3.341e1	2.899e1	1.15	NO	0.830000	0.830098
1,2,3,7,8,9-HxCDF	35.81	1.472e2	1.543e2	0.95	YES	0.16500	0.00000



Total Hepta-Furans	0.8734	10.822	18.5	0.221	18.5
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Compound	Area	Height	Width	Retention	NO	SNR	CP
Total Hexa-Furans	32.78	1.045e3	9.172e2	1.14	NO	0.94800	0.94841
Total Hexa-Furans	32.95	3.254e3	2.718e3	1.20	NO	2.88000	2.88022
Total Hexa-Furans	33.49	4.403e3	3.480e3	1.28	NO	3.80200	3.80222
1,2,3,4,7,8-HxCDF	33.96	5.871e2	4.520e2	1.25	NO	0.50300	0.50304
1,2,3,6,7,8-HxCDF	34.09	3.294e2	2.870e2	1.23	NO	0.25800	0.25816
2,3,4,6,7,8-HxCDF	34.88	5.007e2	4.195e2	1.19	NO	0.48000	0.48004
Total Hepta-Furans	35.65	3.341e1	2.899e1	1.15	NO	0.0300000	0.0300098
1,2,3,7,8,9-HxCDF	35.61	1.472e2	1.543e2	0.95	YES	0.16500	0.00000



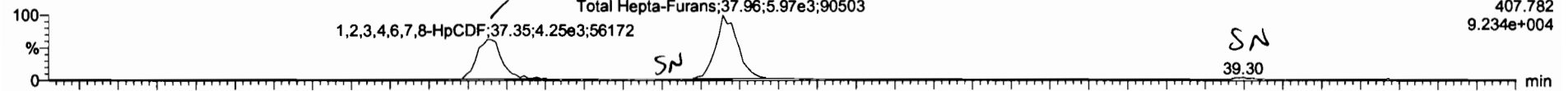
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

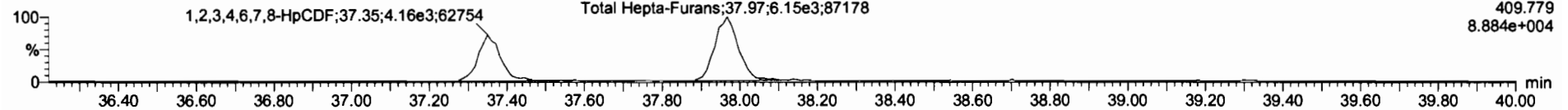
Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

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

200605R2_16

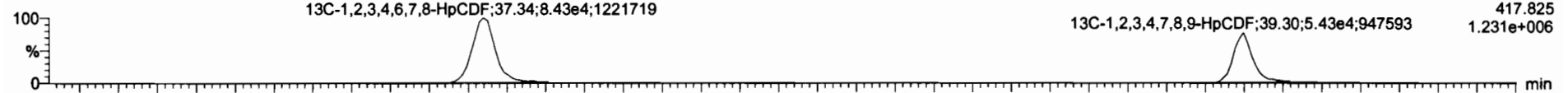


200605R2_16

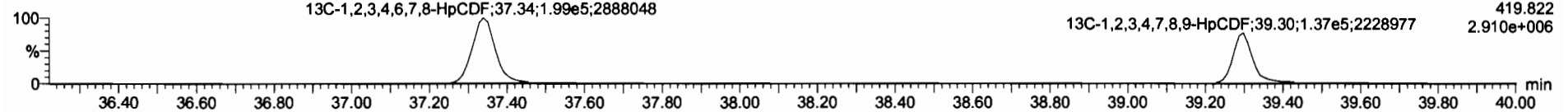


13C-1,2,3,4,6,7,8-HpCDF

200605R2_16

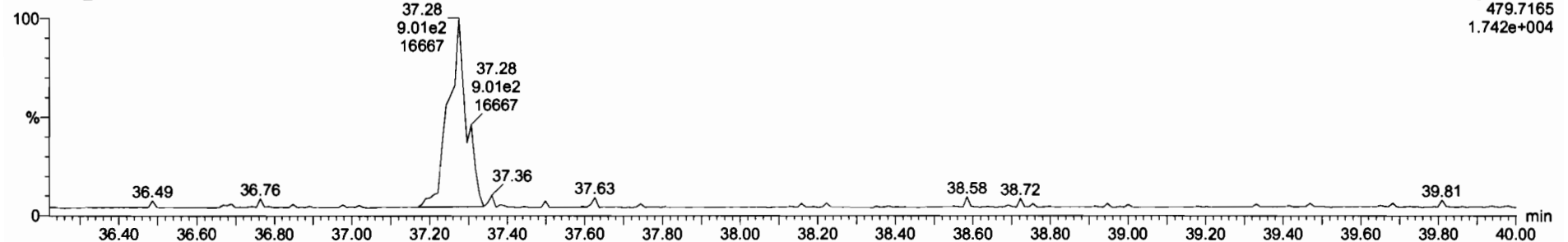


200605R2_16



DPE4

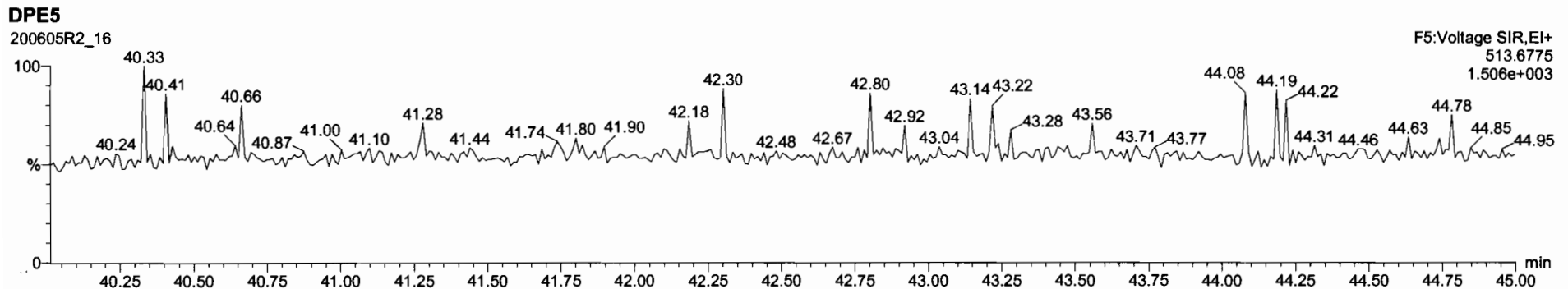
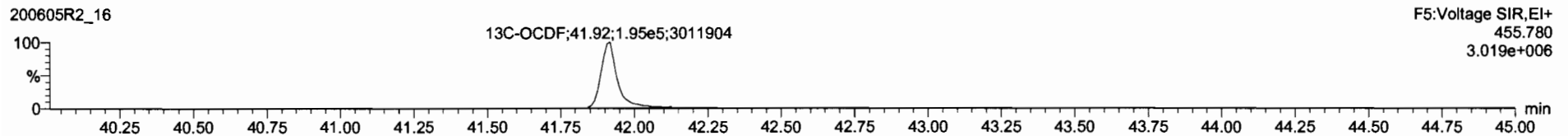
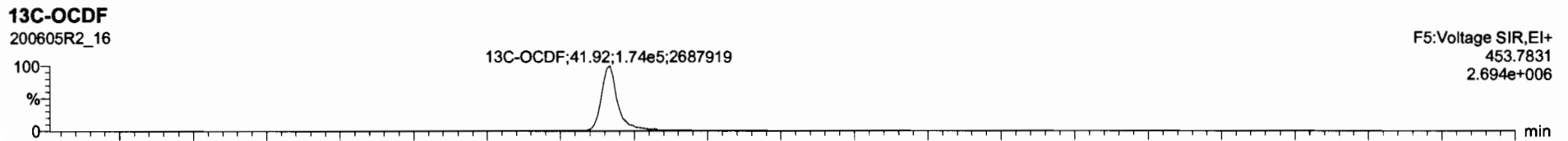
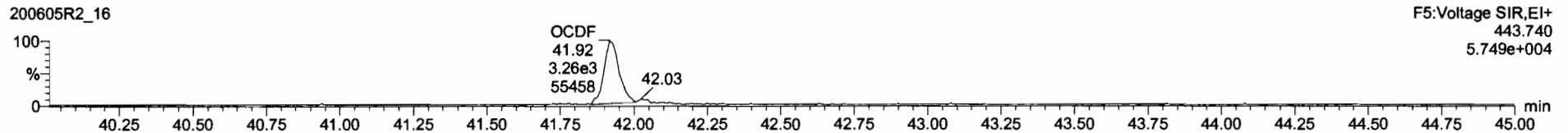
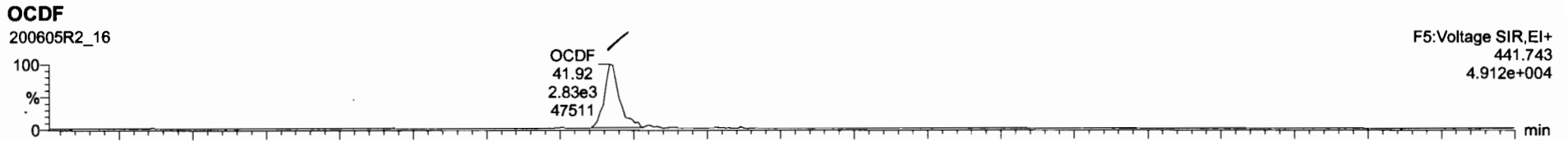
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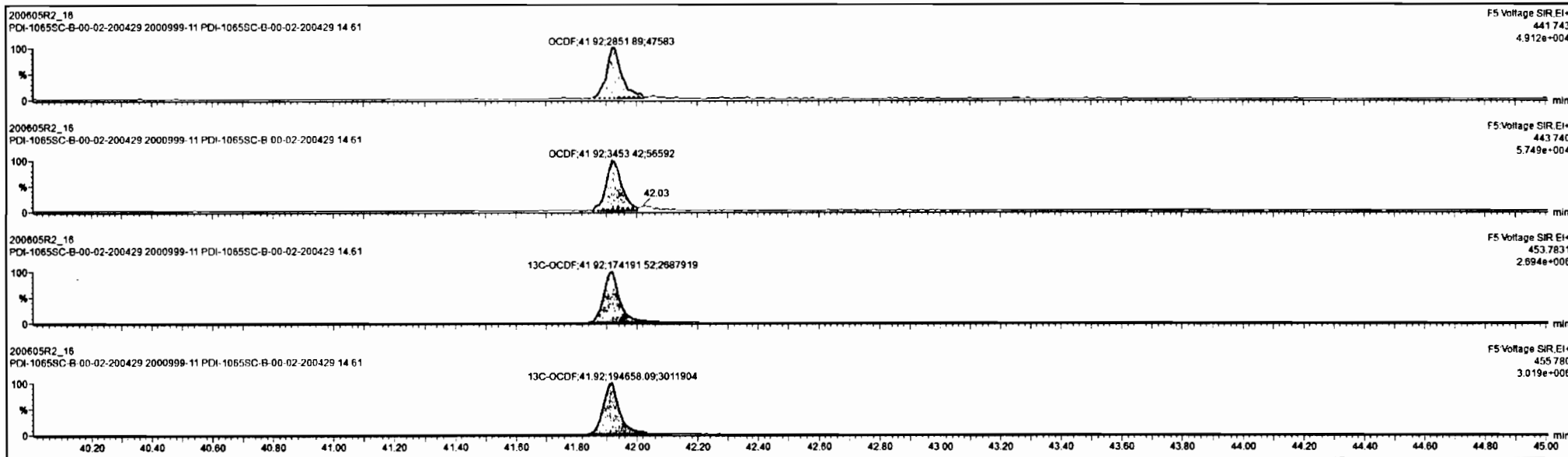
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Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429



File	Edit	View	Display	Processing	Window	Help				
13C-2,3,7,8-TCDD	7.99e5	0.79	NO	1.1563	10.822	28.48	1.026	183	91.9	0.227



Custom Reporting: Select reports to generate

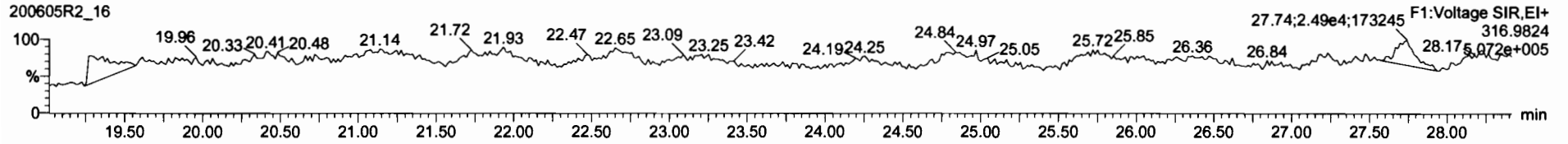
200605R2_16 CAP NUM

Dataset: Untitled

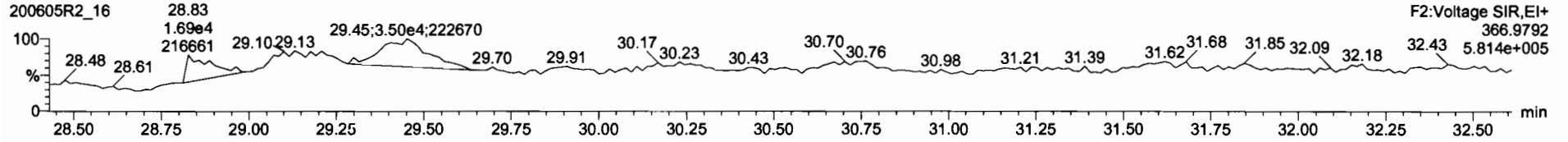
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Name: 200605R2_16, Date: 06-Jun-2020, Time: 09:56:06, ID: 2000999-11 PDI-1065SC-B-00-02-200429 14.61, Description: PDI-1065SC-B-00-02-200429

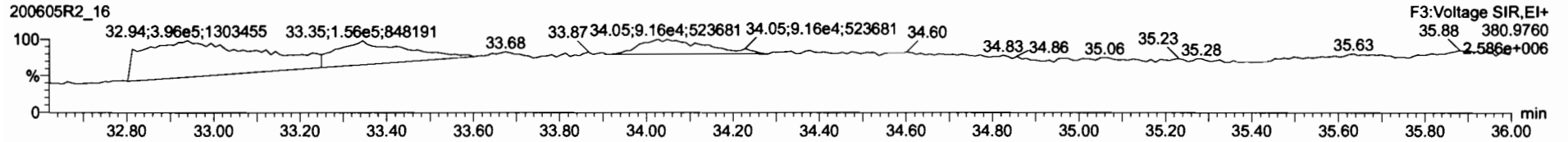
PFK1



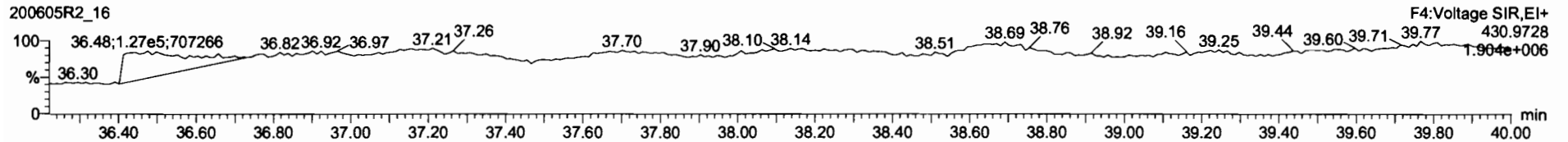
PFK2



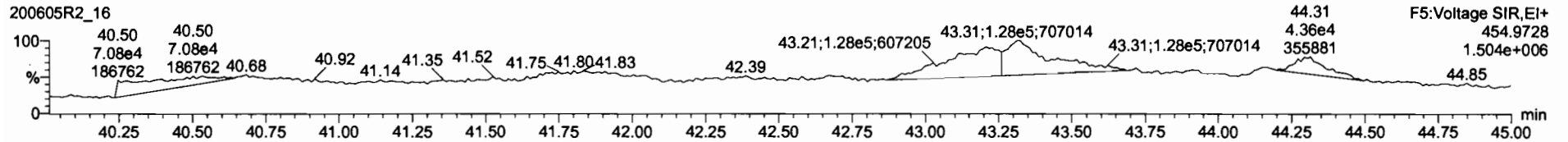
PFK3



PFK4



PFK5



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST20060471-1

Reviewed By: CJ 06/05/2020

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?	<input checked="" type="checkbox"/> DB	<input type="checkbox"/>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> N
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/>
- Bottle position verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Mass resolution \geq

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

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

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

NA

Comments:

	<u>Beg.</u>	<u>End</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
--	-------------------------------------	-----------------------------

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_1.qld

Last Altered: Thursday, June 04, 2020 12:43:43 Pacific Daylight Time
Printed: Thursday, June 04, 2020 12:46:58 Pacific Daylight Time

DB 6/4/20 CT 06/05/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Reo	DL	EMPC
1	1 2,3,7,8-TCDD	7.27e3	0.79	NO	0.987	1.000	26.097	26.08	1.001	1.001	8.0569	80.6 <i>78-129</i>	0.169	8.06
2	2 1,2,3,7,8-PeCDD	3.08e4	0.60	NO	0.982	1.000	30.650	30.65	1.001	1.001	42.721	85.4 <i>78-130</i>	0.184	42.7
3	3 1,2,3,4,7,8-HxCDD	3.11e4	1.28	NO	1.17	1.000	33.949	33.95	1.000	1.000	47.384	94.8 <i>78-128</i>	0.285	47.4
4	4 1,2,3,6,7,8-HxCDD	2.98e4	1.23	NO	1.04	1.000	34.037	34.06	1.000	1.001	44.661	89.3 <i>78-128</i>	0.286	44.7
5	5 1,2,3,7,8,9-HxCDD	3.05e4	1.30	NO	1.00	1.000	34.368	34.34	1.001	1.000	46.229	92.5 <i>82-122</i>	0.291	46.2
6	6 1,2,3,4,6,7,8-HpCDD	2.75e4	1.03	NO	0.992	1.000	37.812	37.82	1.000	1.001	47.087	94.2 <i>86-116</i>	0.232	47.1
7	7 OCDD	4.96e4	0.89	NO	1.04	1.000	41.060	41.07	1.000	1.000	92.458	92.5 <i>79-126</i>	0.275	92.5
8	8 2,3,7,8-TCDF	9.79e3	0.75	NO	0.882	1.000	25.296	25.29	1.001	1.001	9.2693	92.7 <i>84-120</i>	0.721	9.27
9	9 1,2,3,7,8-PeCDF	4.75e4	1.61	NO	1.05	1.000	29.461	29.46	1.001	1.001	43.790	87.6 <i>82-120</i>	0.106	43.8
10	10 2,3,4,7,8-PeCDF	4.56e4	1.66	NO	1.06	1.000	30.377	30.35	1.001	1.000	44.738	89.5 <i>82-120</i>	0.112	44.7
11	11 1,2,3,4,7,8-HxCDF	4.07e4	1.23	NO	1.08	1.000	33.039	33.06	1.000	1.001	46.912	93.8 <i>90-112</i>	0.183	46.9
12	12 1,2,3,6,7,8-HxCDF	4.07e4	1.26	NO	1.04	1.000	33.180	33.18	1.000	1.000	48.233	96.5 <i>88-114</i>	0.188	48.2
13	13 2,3,4,6,7,8-HxCDF	4.25e4	1.25	NO	1.11	1.000	33.797	33.77	1.001	1.000	49.880	99.8 <i>88-114</i>	0.189	49.9
14	14 1,2,3,7,8,9-HxCDF	3.63e4	1.26	NO	1.06	1.000	34.707	34.72	1.000	1.000	47.702	95.4 <i>90-112</i>	0.244	47.7
15	15 1,2,3,4,6,7,8-HpCDF	3.58e4	1.01	NO	1.13	1.000	36.565	36.55	1.001	1.001	45.180	90.4 <i>90-110</i>	0.248	45.2
16	16 1,2,3,4,7,8,9-HpCDF	3.14e4	1.03	NO	1.33	1.000	38.339	38.35	1.000	1.000	46.842	93.7 <i>86-116</i>	0.230	46.8
17	17 OCDF	5.43e4	0.89	NO	0.933	1.000	41.279	41.29	1.000	1.000	96.962	97.0 <i>63-159</i>	0.248	97.0
18	18 13C-2,3,7,8-TCDD	9.14e4	0.78	NO	1.21	1.000	26.163	26.07	1.026	1.022	101.84	102 <i>82-121</i>	0.397	
19	19 13C-1,2,3,7,8-PeCDD	7.33e4	0.64	NO	0.996	1.000	30.651	30.63	1.202	1.201	98.971	99.0 <i>62-160</i>	0.273	
20	20 13C-1,2,3,4,7,8-HxCDD	5.59e4	1.31	NO	0.679	1.000	33.924	33.94	1.014	1.014	114.77	115 <i>85-117</i>	0.444	
21	21 13C-1,2,3,6,7,8-HxCDD	6.44e4	1.34	NO	0.850	1.000	34.035	34.04	1.017	1.017	105.74	106 <i>85-118</i>	0.355	
22	22 13C-1,2,3,7,8,9-HxCDD	6.59e4	1.31	NO	0.798	1.000	34.306	34.33	1.025	1.026	115.00	115 <i>85-118</i>	0.378	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.90e4	1.06	NO	0.697	1.000	37.772	37.80	1.129	1.130	117.95	118 <i>72-138</i>	0.524	
24	24 13C-OCDD	1.04e5	0.86	NO	0.579	1.000	40.796	41.06	1.219	1.227	249.71	125 <i>48-207</i>	0.642	
25	25 13C-2,3,7,8-TCDF	1.20e5	0.77	NO	1.13	1.000	25.245	25.27	0.990	0.991	100.47	100 <i>71-140</i>	0.473	
26	26 13C-1,2,3,7,8-PeCDF	1.04e5	1.60	NO	0.996	1.000	29.470	29.44	1.156	1.155	98.630	98.6 <i>76-130</i>	0.486	
27	27 13C-2,3,4,7,8-PeCDF	9.61e4	1.61	NO	0.969	1.000	30.370	30.35	1.191	1.190	93.835	93.8 <i>77-130</i>	0.499	
28	28 13C-1,2,3,4,7,8-HxCDF	8.02e4	0.49	NO	1.06	1.000	33.054	33.04	0.988	0.988	105.64	106 <i>76-131</i>	0.395	
29	29 13C-1,2,3,6,7,8-HxCDF	8.10e4	0.49	NO	1.18	1.000	33.188	33.17	0.992	0.991	96.112	96.1 <i>70-143</i>	0.356	
30	30 13C-2,3,4,6,7,8-HxCDF	7.68e4	0.49	NO	1.06	1.000	33.760	33.76	1.009	1.009	101.26	101 <i>73-137</i>	0.396	
31	31 13C-1,2,3,7,8,9-HxCDF	7.21e4	0.49	NO	0.879	1.000	34.660	34.71	1.036	1.037	114.32	114 <i>74-135</i>	0.475	

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_1.qld

Last Altered: Thursday, June 04, 2020 12:43:43 Pacific Daylight Time

Printed: Thursday, June 04, 2020 12:46:58 Pacific Daylight Time

Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	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	7.02e4	0.42	NO	0.893	1.000	36.366	36.53	1.087	1.092	109.67	110 78-129	0.395	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.03e4	0.43	NO	0.613	1.000	38.374	38.34	1.147	1.146	114.36	114 77-129	0.575	
34	34 13C-OCDF	1.20e5	0.86	NO	0.741	1.000	40.950	41.28	1.224	1.234	225.74	113 48-207	0.459	
35	35 37Cl-2,3,7,8-TCDD	8.27e3			1.18	1.000	26.160	26.08	1.026	1.023	9.4247	94.2 79-127	0.111	
36	36 13C-1,2,3,4-TCDD	7.44e4	0.80	NO	1.00	1.000	25.480	25.50	1.000	1.000	100.00	100	0.479	
37	37 13C-1,2,3,4-TCDF	1.06e5	0.78	NO	1.00	1.000	24.020	24.03	1.000	1.000	100.00	100	0.534	
38	38 13C-1,2,3,4,6,9-HxCDF	7.17e4	0.48	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.418	

Dataset: Untitled

Last Altered: Friday, June 05, 2020 09:26:30 Pacific Daylight Time

Printed: Friday, June 05, 2020 09:26:55 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	22.63
2	1,2,8,9-TCDD (Last)	26.95
3	1,2,4,7,9-PeCDD (First)	28.60
4	1,2,3,8,9-PeCDD (Last)	31.01
5	1,2,4,6,7,9-HxCDD (First)	32.42
6	1,2,3,7,8,9-HxCDD (Last)	34.34
7	1,2,3,4,6,7,9-HpCDD (First)	36.95
8	1,2,3,4,6,7,8-HpCDD (Last)	37.82
9	1,3,6,8-TCDF (First)	20.47
10	1,2,8,9-TCDF (Last)	27.10
11	1,3,4,6,8-PeCDF (First)	27.06
12	1,2,3,8,9-PeCDF (Last)	31.23
13	1,2,3,4,6,8-HxCDF (First)	31.89
14	1,2,3,7,8,9-HxCDF (Last)	34.72
15	1,2,3,4,6,7,8-HpCDF (First)	36.55
16	1,2,3,4,7,8,9-HpCDF (Last)	38.35

Dataset: Untitled

Last Altered: Friday, June 05, 2020 09:25:47 Pacific Daylight Time
Printed: Friday, June 05, 2020 09:26:04 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db_5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

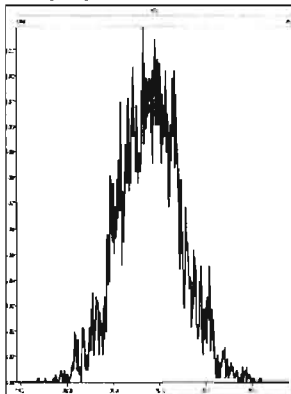
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200604D1_1	ST200604D1-1 1613 CS3 19L2305	04-Jun-20	12:00:23
2	200604D1_2	B0E0100-BS1 OPR 10	04-Jun-20	12:45:31
3	200604D1_3	SOLVENT BLANK	04-Jun-20	13:30:40
4	200604D1_4	B0E0100-BLK1 Method Blank 10	04-Jun-20	14:15:51
5	200604D1_5	2000945-01 PDI-146SC-A-00-01-200426 14.29	04-Jun-20	15:00:59
6	200604D1_6	2000945-02 PDI-146SC-A-01-02-200426 12.02	04-Jun-20	15:46:07
7	200604D1_7	B0D0306-DUP1 Duplicate 11.39	04-Jun-20	16:31:15
8	200604D1_8	2000945-03 PDI-146SC-A-02-03-200426 12.11	04-Jun-20	17:16:22
9	200604D1_9	2000945-05 PDI-146SC-A-04-05-200426 11.68	04-Jun-20	18:01:30
10	200604D1_10	2000998-01 PDI-063SC-A-08-09-200429 14.35	04-Jun-20	18:46:38
11	200604D1_11	2000998-02 PDI-063SC-A-09-10.2-200429 15....	04-Jun-20	19:31:44
12	200604D1_12	B0E0100-DUP1 Duplicate 15.21	04-Jun-20	20:16:51
13	200604D1_13	2000998-03 PDI-1063SC-A-08-09-200429 14.4	04-Jun-20	21:01:58
14	200604D1_14	2000998-04 PDI-063SC-B-00-02-200429 15.4	04-Jun-20	21:47:04
15	200604D1_15	B0E0100-DUP2 Duplicate 18.88	04-Jun-20	22:32:11

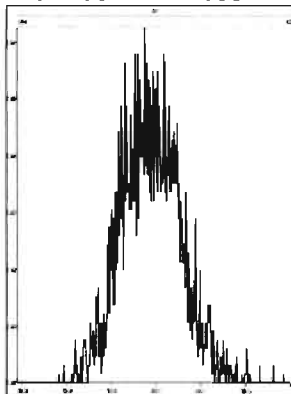
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, June 04, 2020 11:54:16 Pacific Daylight Time

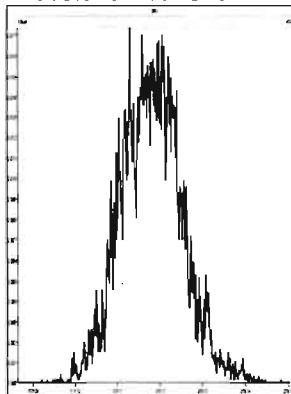
M 292.9824 R 10547



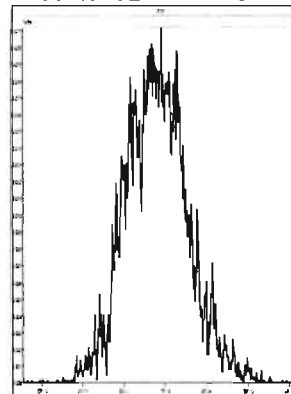
M 304.9824 R 11965



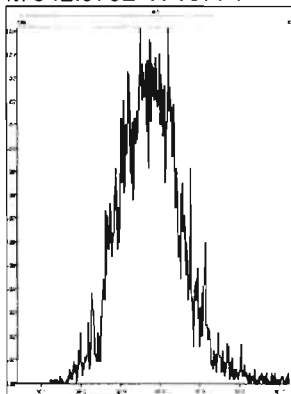
M 318.9792 R 10037



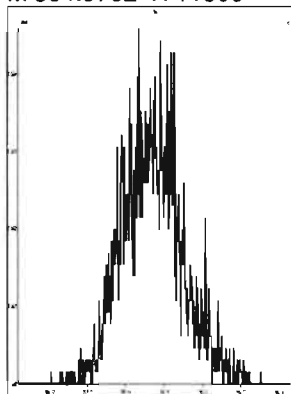
M 330.9792 R 11848



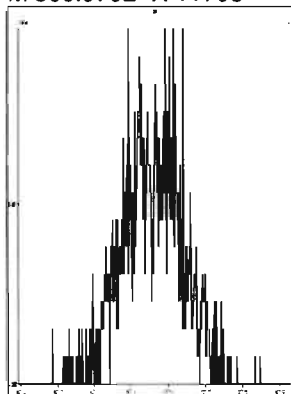
M 342.9792 R 10774



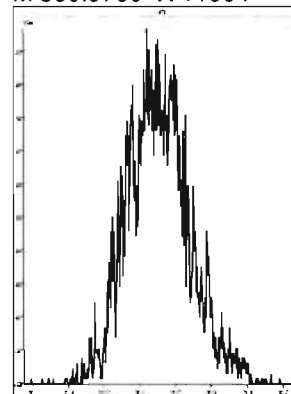
M 354.9792 R 11309



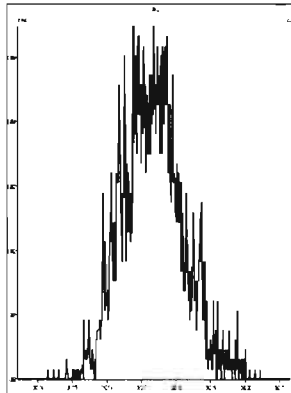
M 366.9792 R 11793



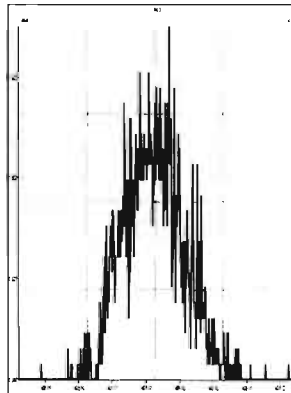
M 380.9760 R 11904



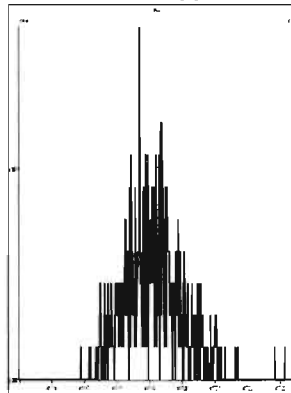
M 392.9760 R 11572



M 404.9760 R 11162



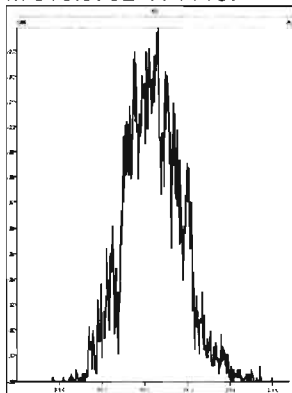
M 416.9760 R 33785



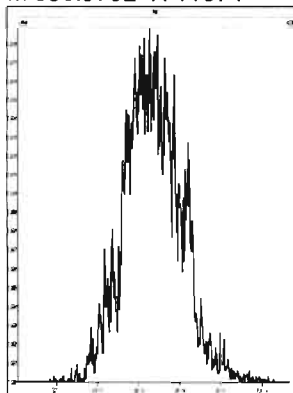
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, June 04, 2020 11:55:43 Pacific Daylight Time

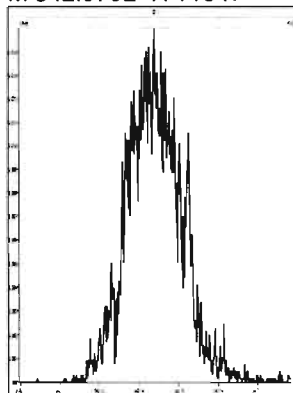
M 318.9792 R 11157



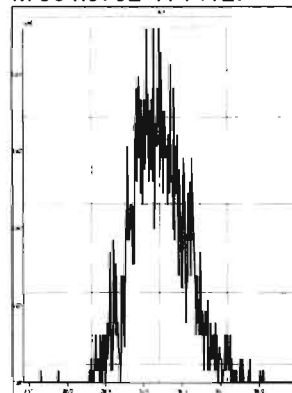
M 330.9792 R 11574



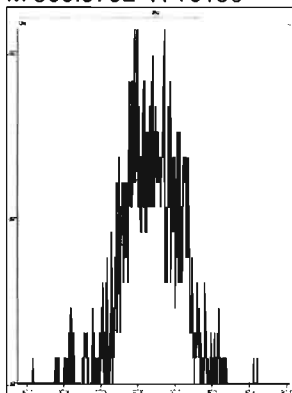
M 342.9792 R 11847



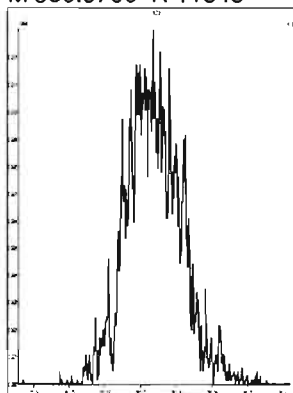
M 354.9792 R 14127



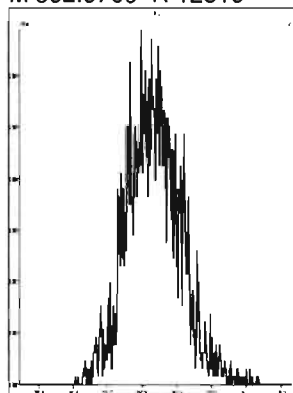
M 366.9792 R 16130



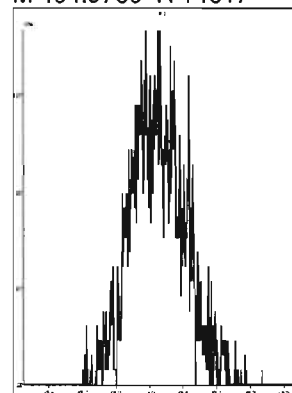
M 380.9760 R 11848



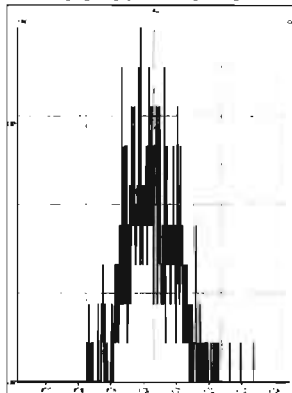
M 392.9760 R 12819



M 404.9760 R 14617



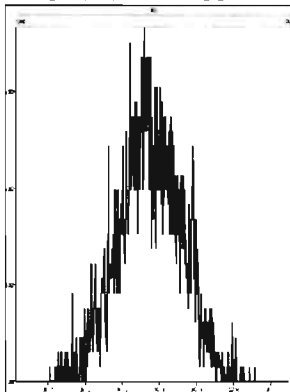
M 416.9760 R 16779



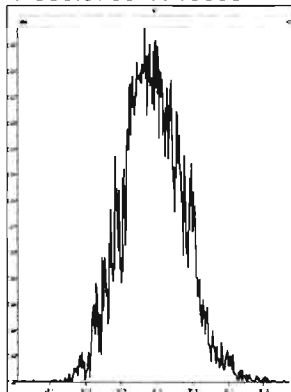
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, June 04, 2020 11:56:43 Pacific Daylight Time

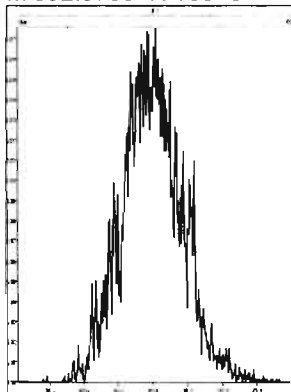
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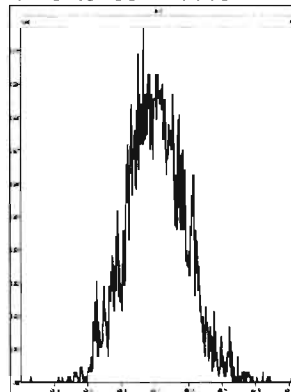
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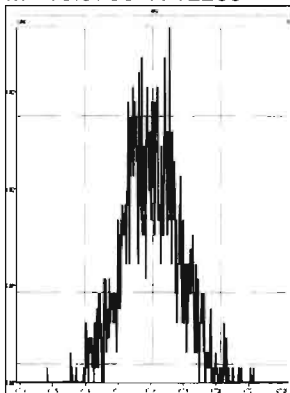
M 392.9760 R 10546



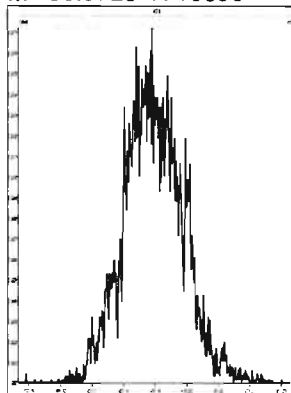
M 404.9760 R 11157



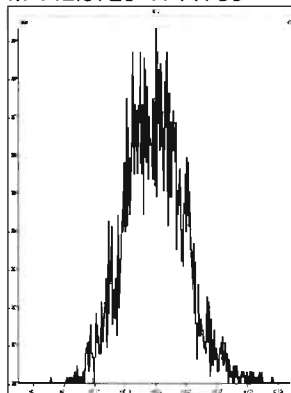
M 416.9760 R 12255



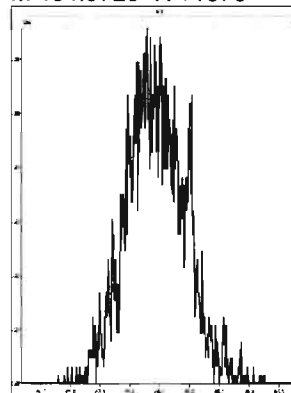
M 430.9728 R 10596



M 442.9728 R 11735



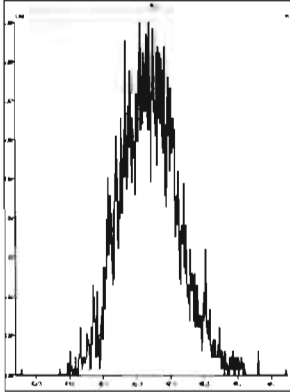
M 454.9728 R 11575



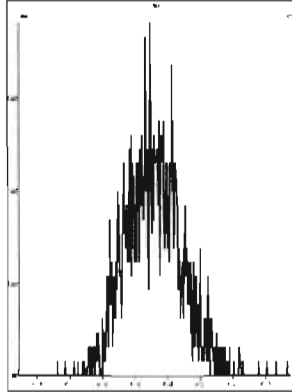
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Printed: Thursday, June 04, 2020 11:57:55 Pacific Daylight Time

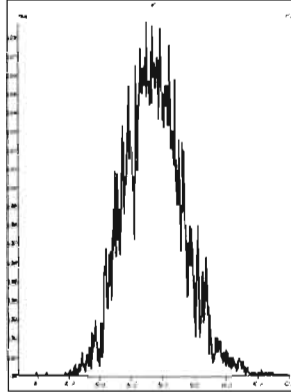
M 404.9760 R 11212



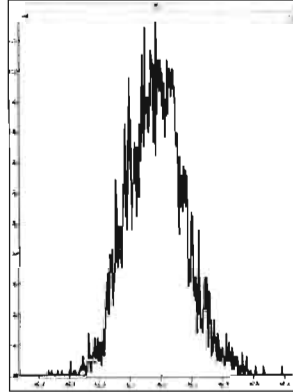
M 416.9760 R 11905



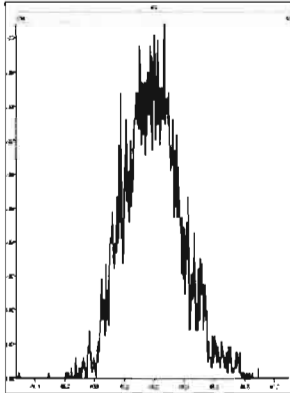
M 430.9728 R 12019



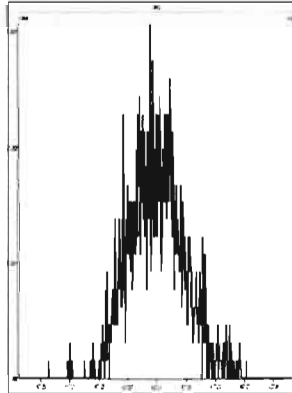
M 442.9728 R 11791



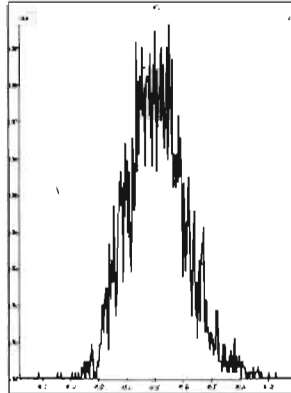
M 454.9728 R 11790



M 466.9728 R 13021



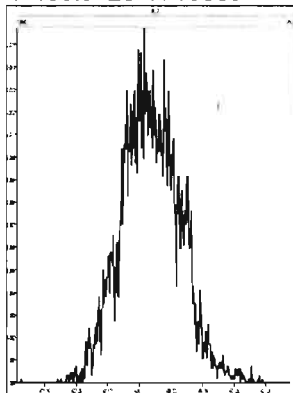
M 480.9696 R 11061



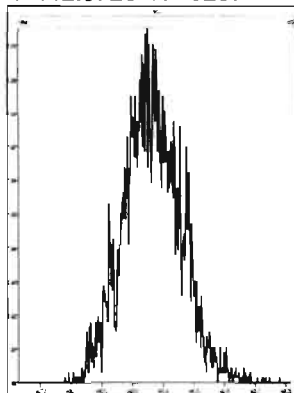
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Printed: Thursday, June 04, 2020 11:58:52 Pacific Daylight Time

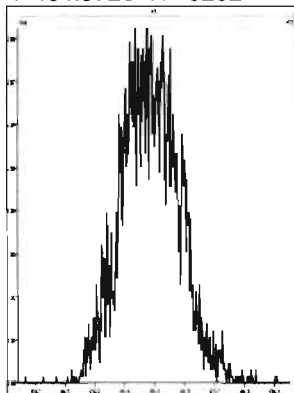
M 430.9728 R 10869



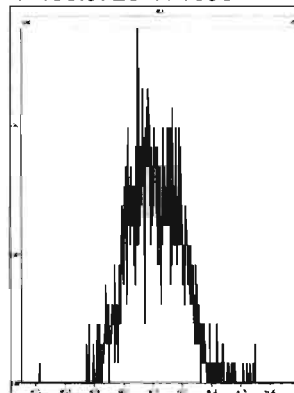
M 442.9728 R 10287



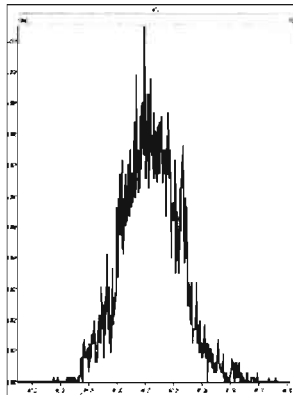
M 454.9728 R 10202



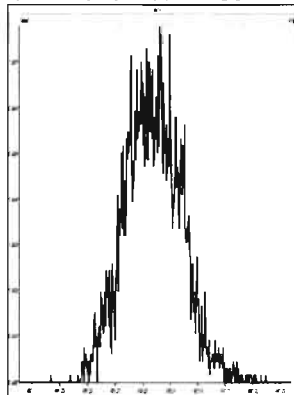
M 466.9728 R 13967



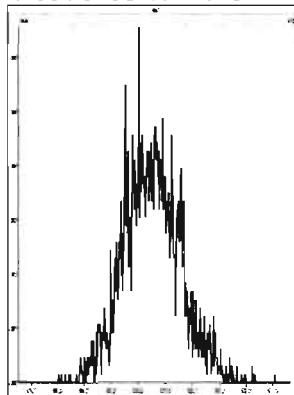
M 480.9696 R 11468



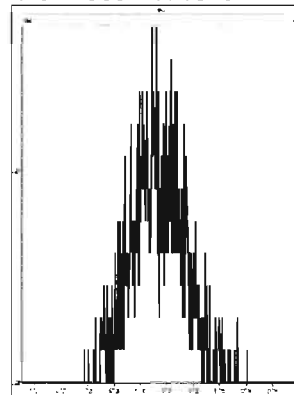
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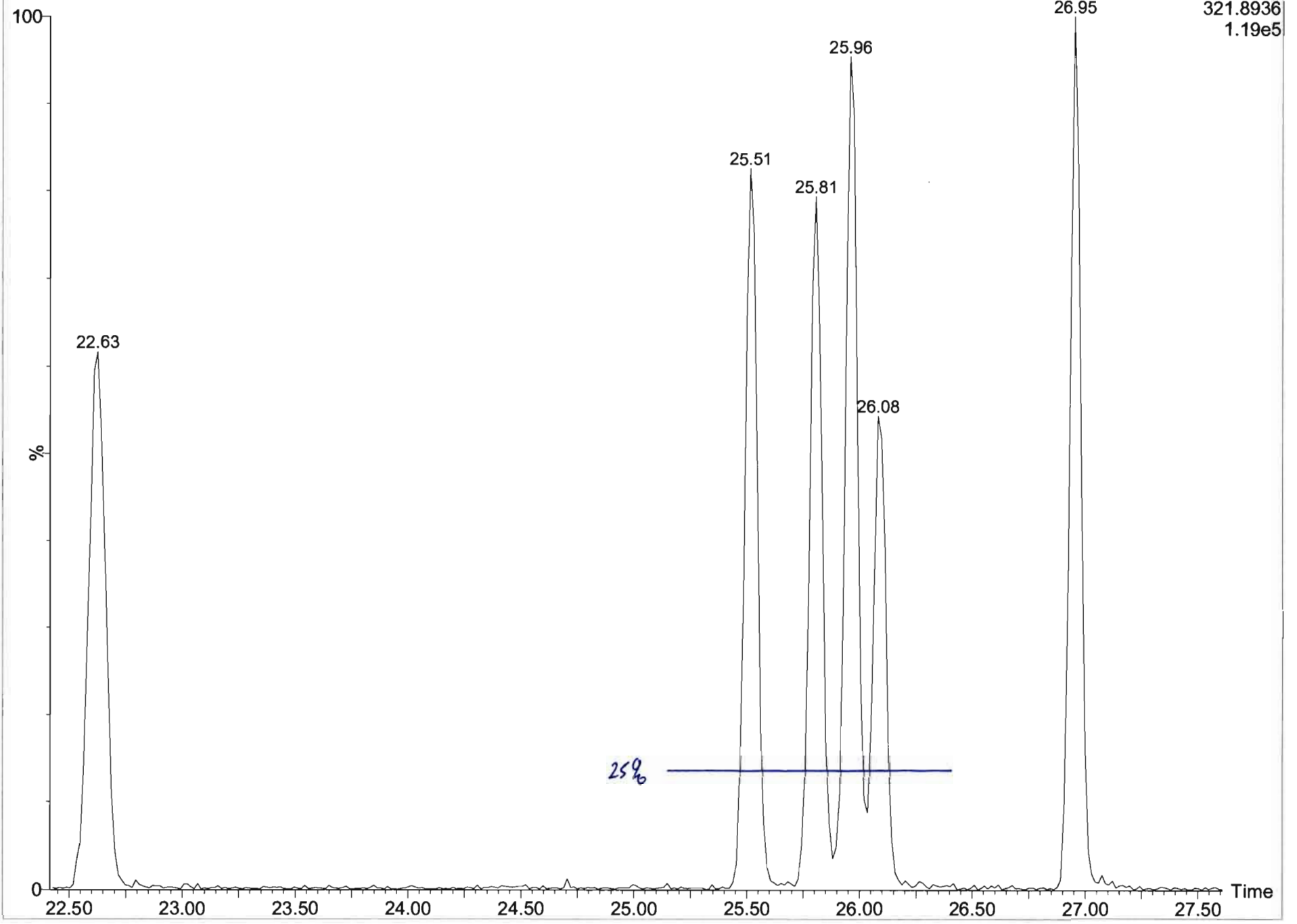


M 504.9696 R 11063



M 516.9697 R 13158





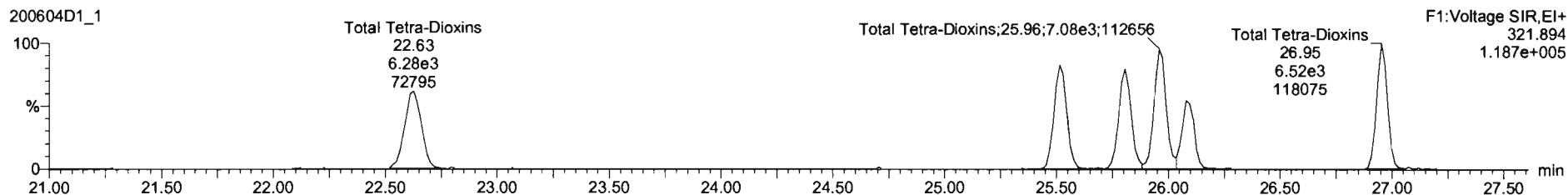
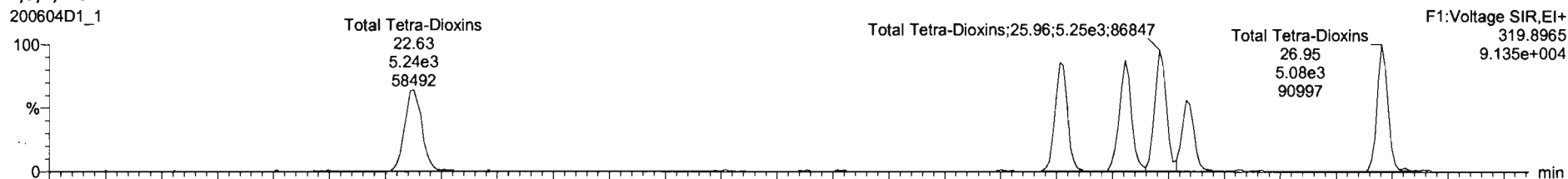
Dataset: U:\VG7.PRO\Results\200604D1\200604D1_1.qld

Last Altered: Thursday, June 04, 2020 12:43:43 Pacific Daylight Time
Printed: Thursday, June 04, 2020 12:47:22 Pacific Daylight Time

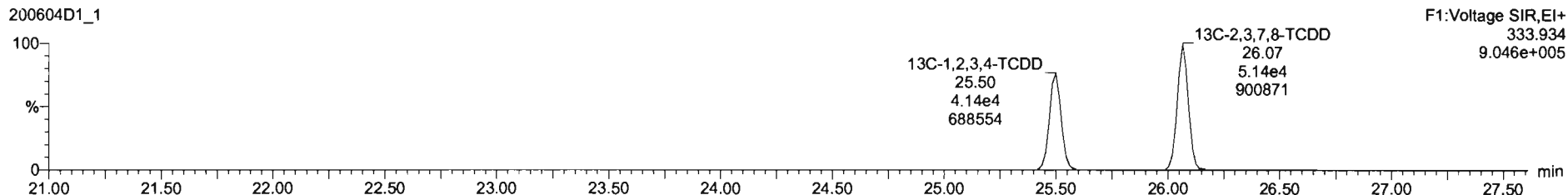
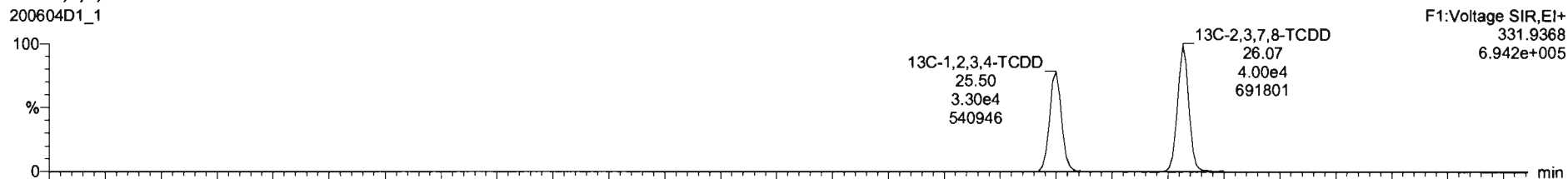
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



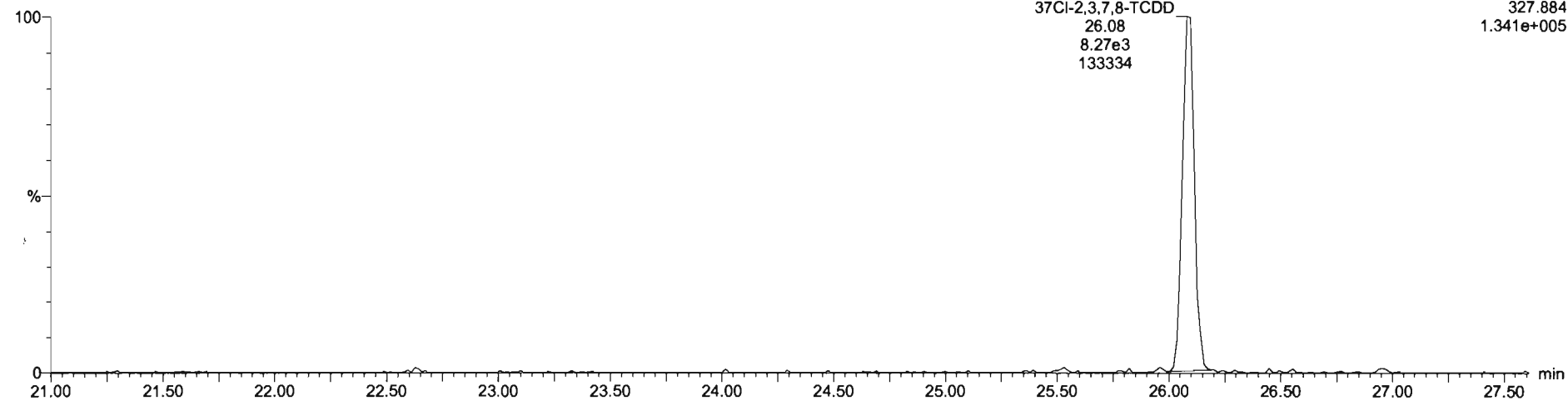
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Last Altered: Thursday, June 04, 2020 12:43:43 Pacific Daylight Time
Printed: Thursday, June 04, 2020 12:47:22 Pacific Daylight Time

Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

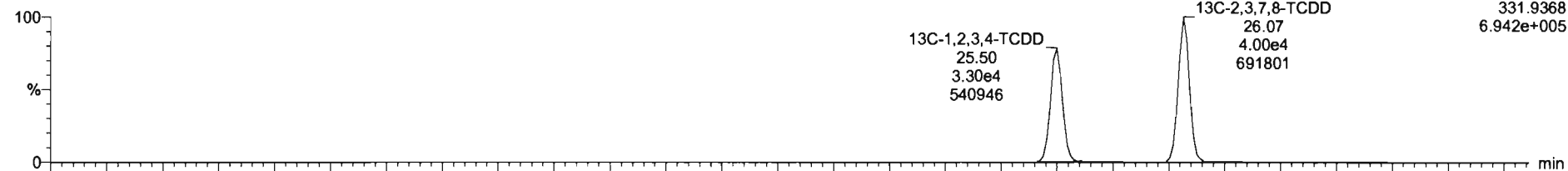
37Cl-2,3,7,8-TCDD

200604D1_1

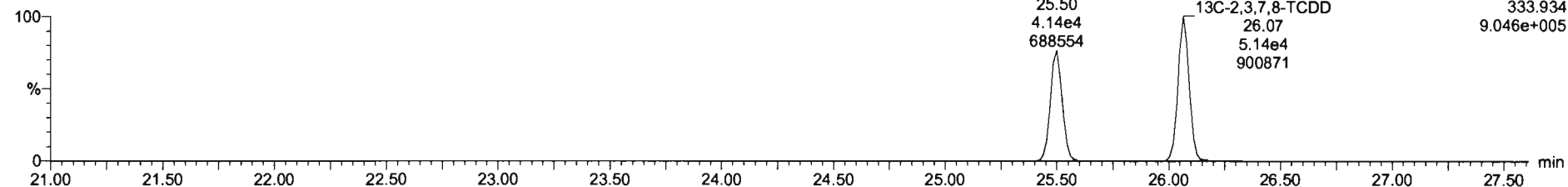


13C-1,2,3,4-TCDD

200604D1_1



200604D1_1



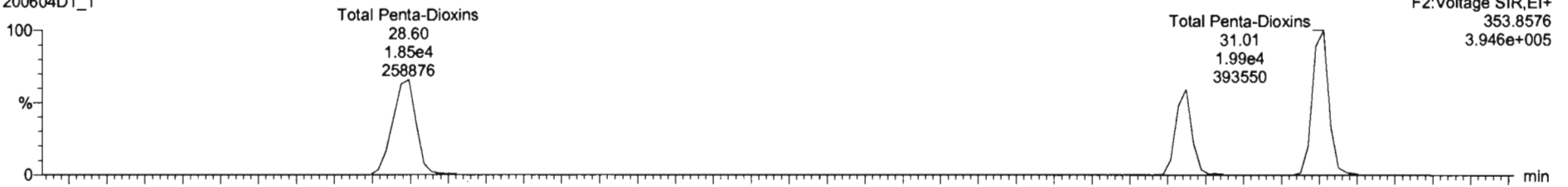
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Last Altered: Thursday, June 04, 2020 12:43:43 Pacific Daylight Time
Printed: Thursday, June 04, 2020 12:47:22 Pacific Daylight Time

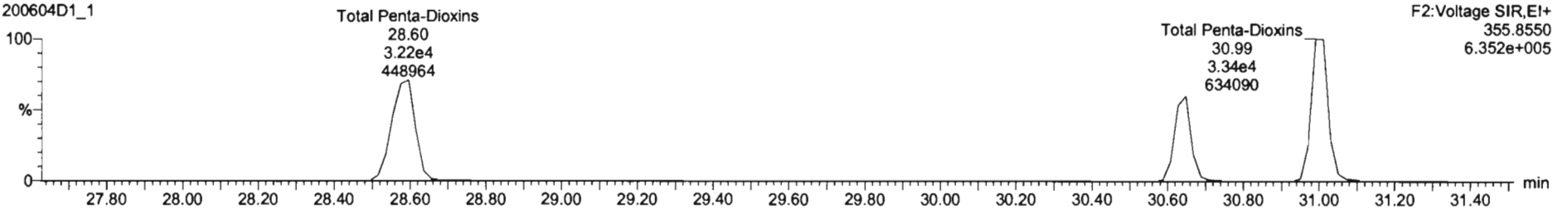
Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200604D1_1

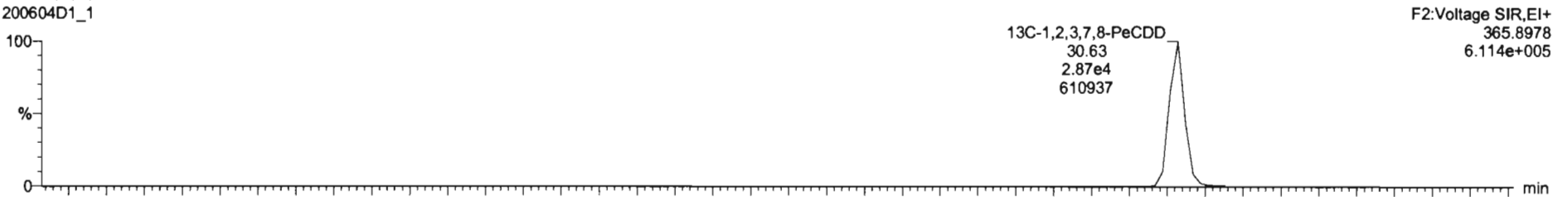


200604D1_1

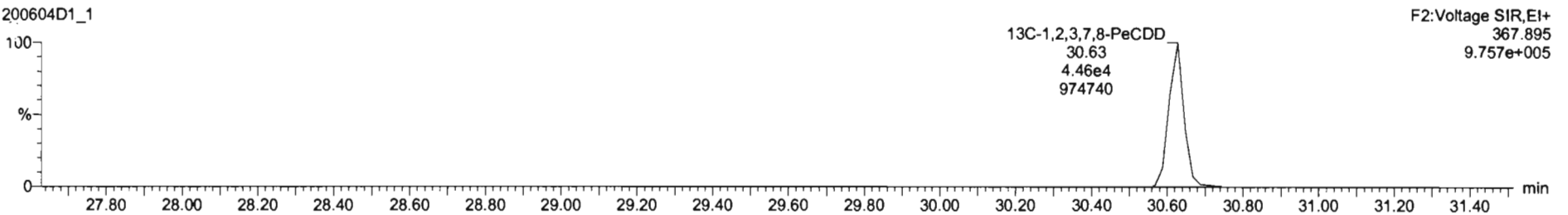


13C-1,2,3,7,8-PeCDD

200604D1_1



200604D1_1

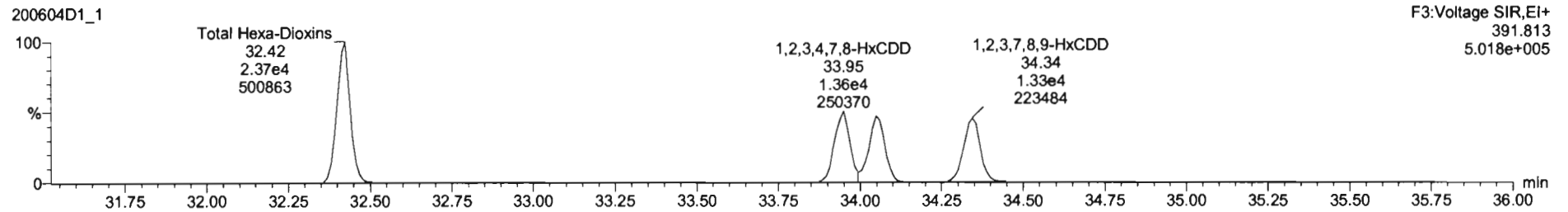
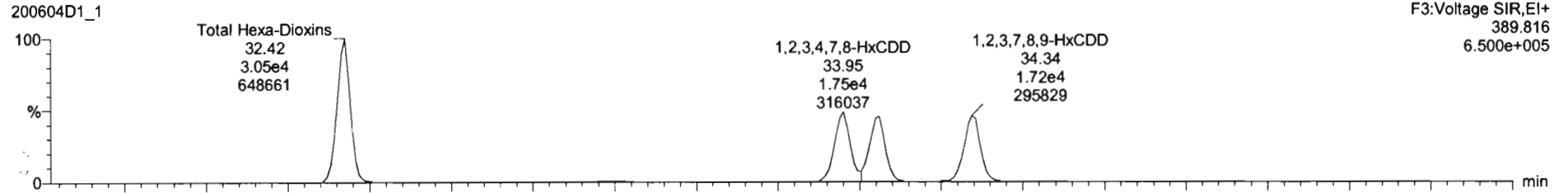


Dataset: U:\VG7.PRO\Results\200604D1\200604D1_1.qld

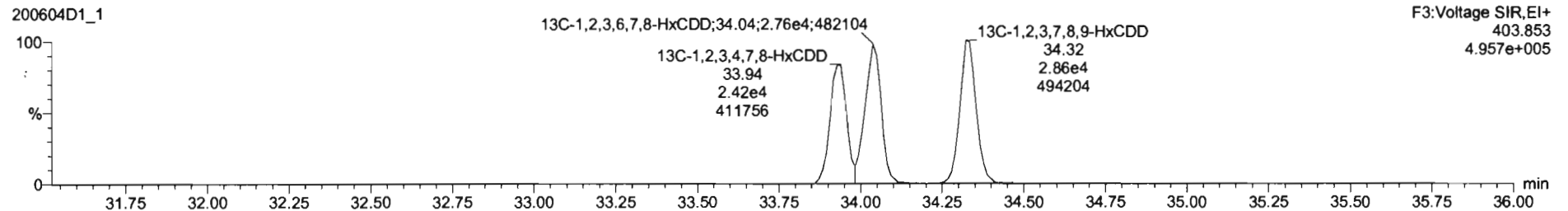
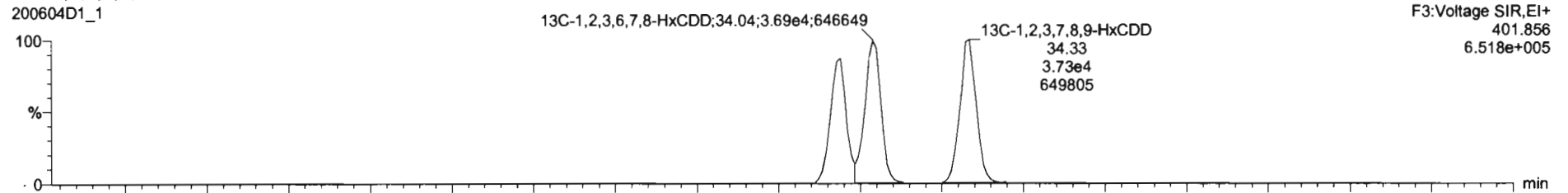
Last Altered: Thursday, June 04, 2020 12:43:43 Pacific Daylight Time
Printed: Thursday, June 04, 2020 12:47:22 Pacific Daylight Time

Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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



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



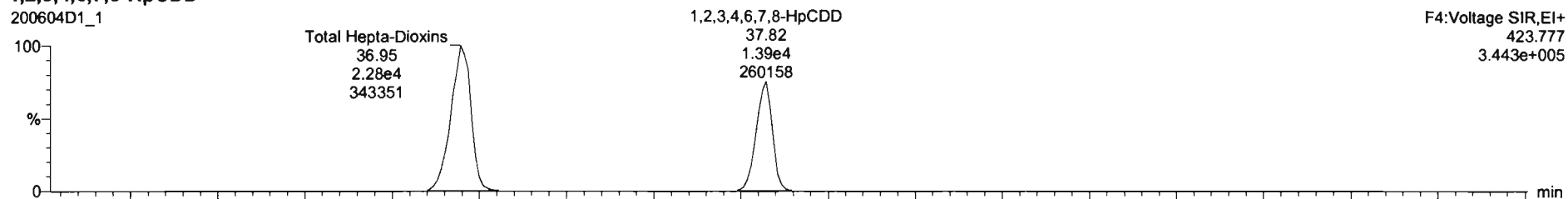
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Last Altered: Thursday, June 04, 2020 12:43:43 Pacific Daylight Time
Printed: Thursday, June 04, 2020 12:47:22 Pacific Daylight Time

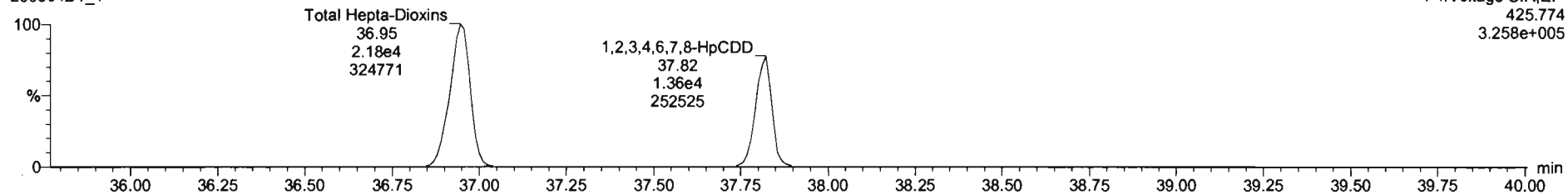
Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200604D1_1

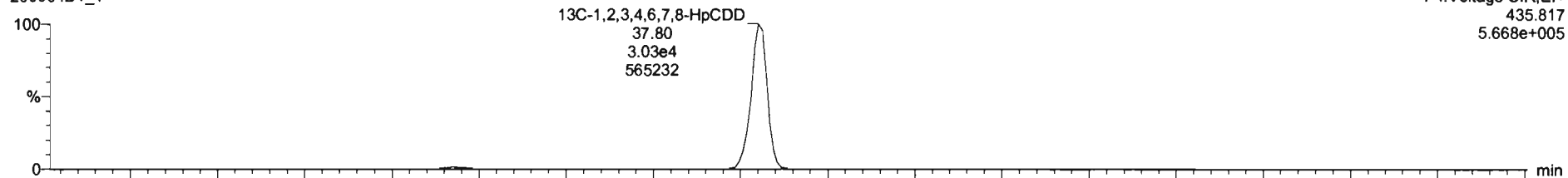


200604D1_1

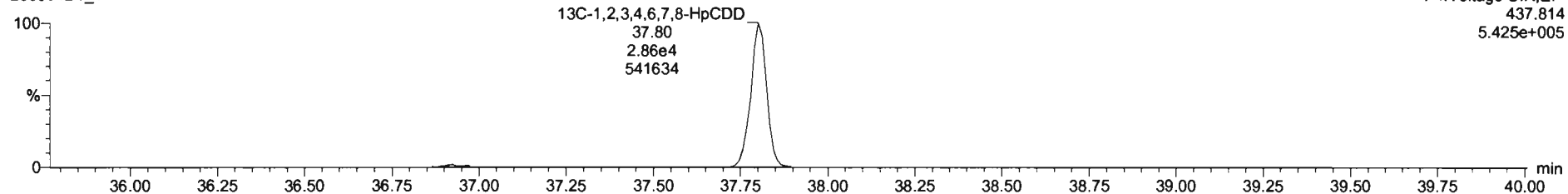


13C-1,2,3,4,6,7,8-HpCDD

200604D1_1



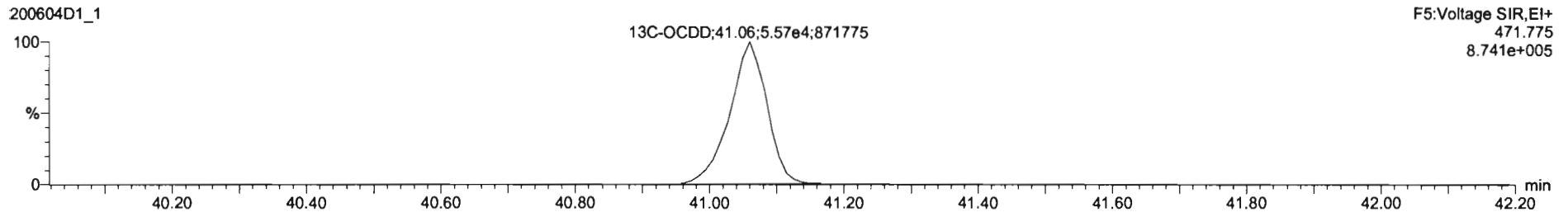
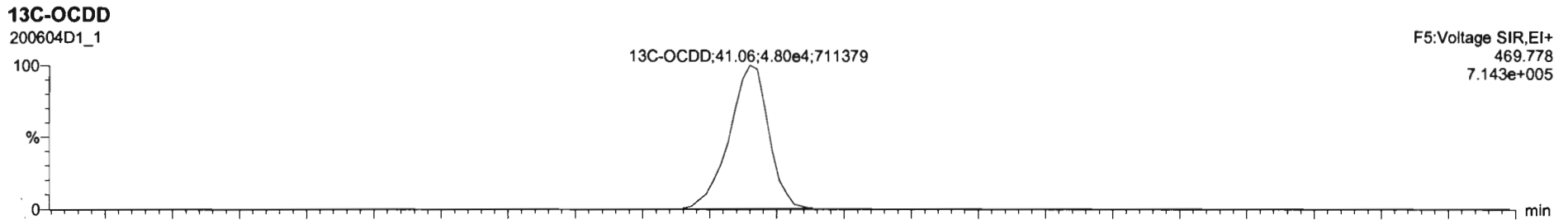
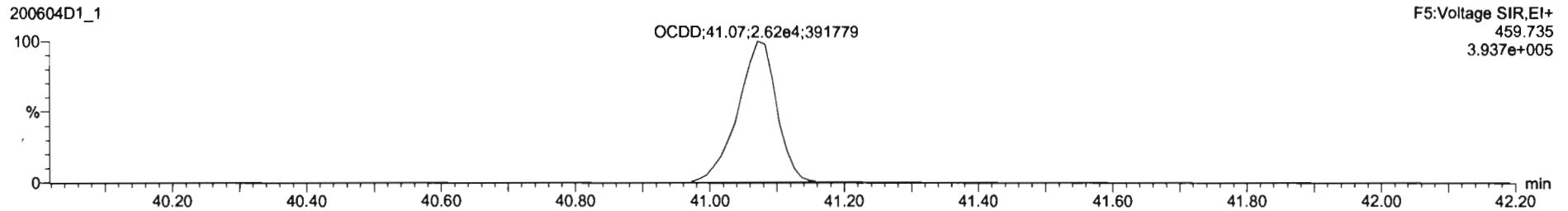
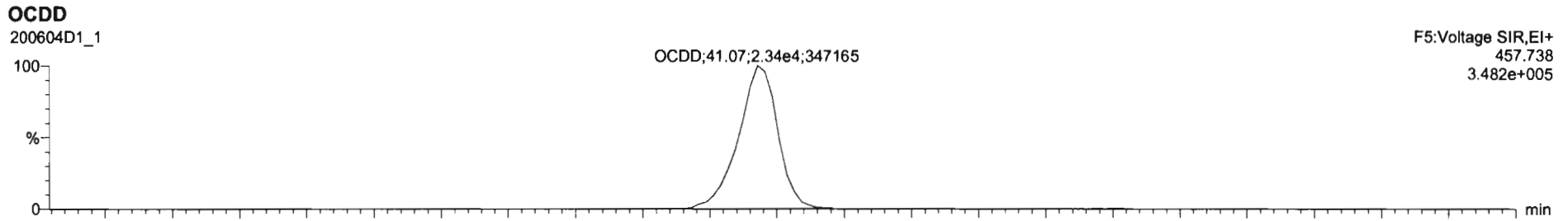
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Printed: Thursday, June 04, 2020 12:47:22 Pacific Daylight Time

Name: 200604D1_1, Date: 04-Jun-2020, Time: 12:00:23, ID: ST200604D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



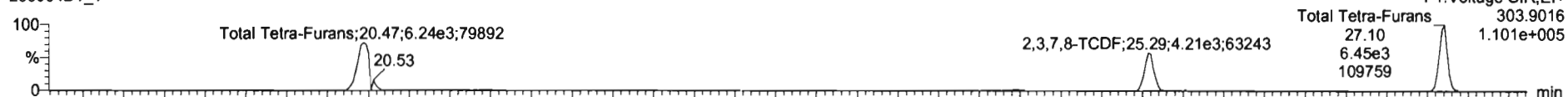
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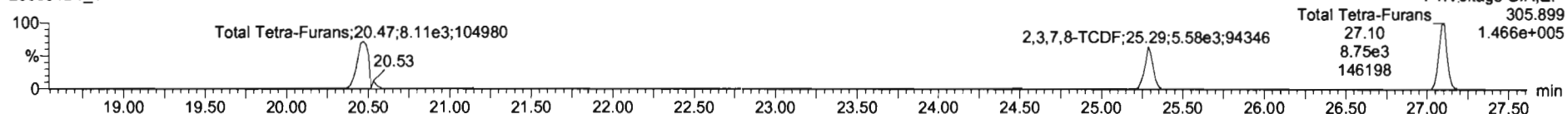
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2,3,7,8-TCDF

200604D1_1

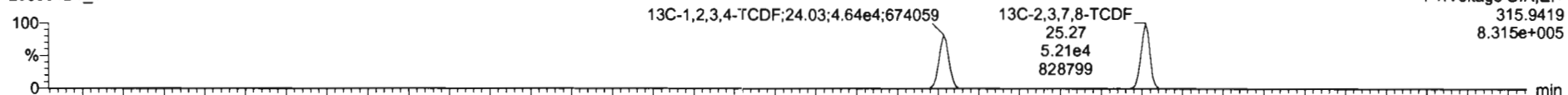


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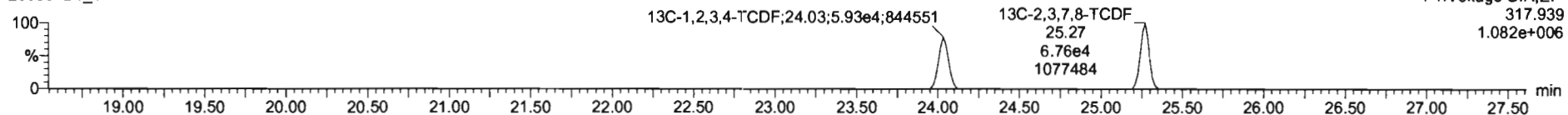


13C-2,3,7,8-TCDF

200604D1_1

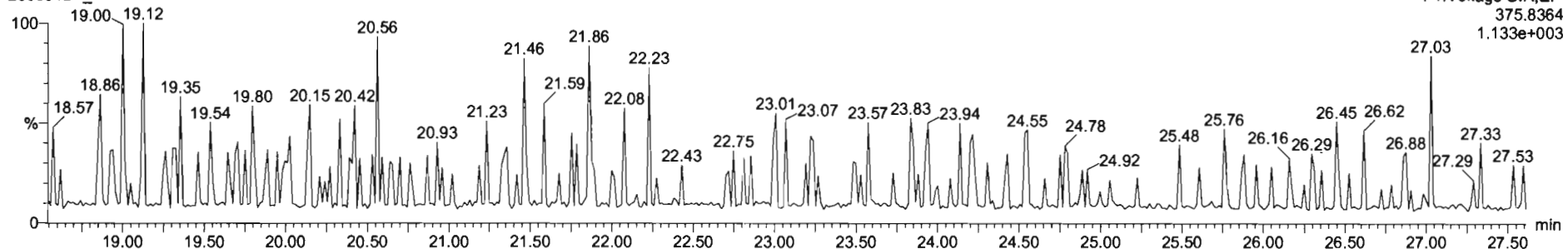


200604D1_1



DPE1

200604D1_1



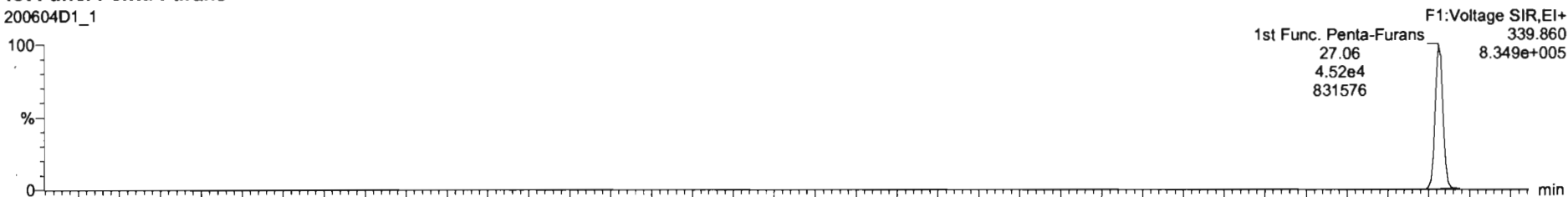
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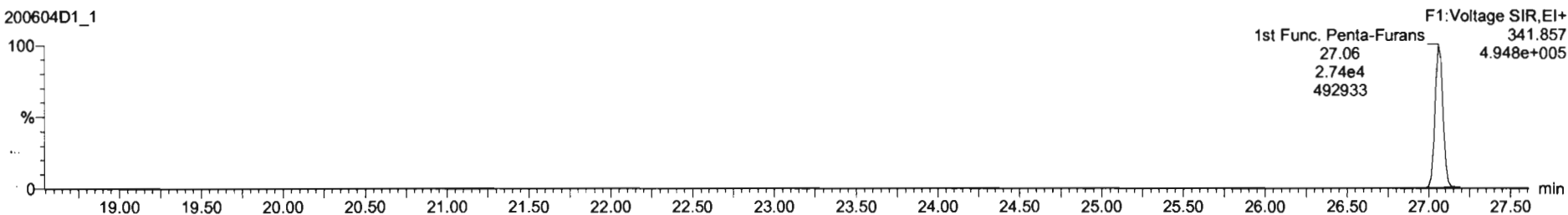
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1st Func. Penta-Furans

200604D1_1

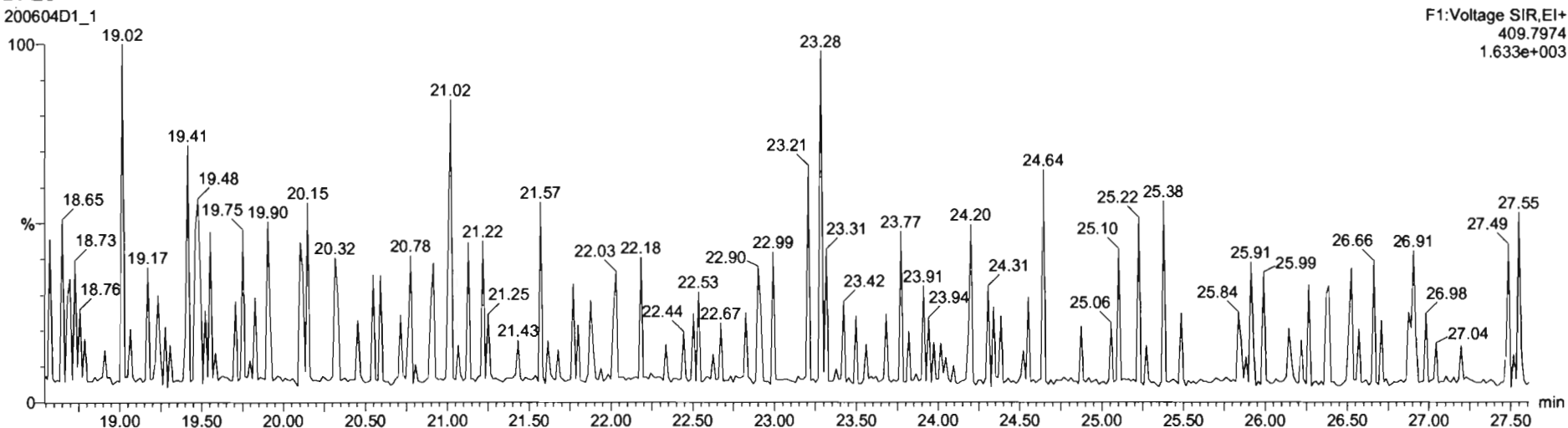


200604D1_1



DPE6

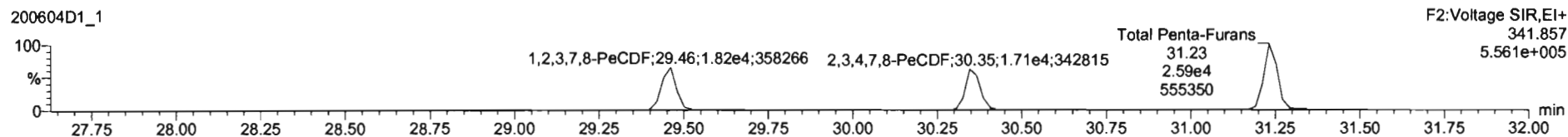
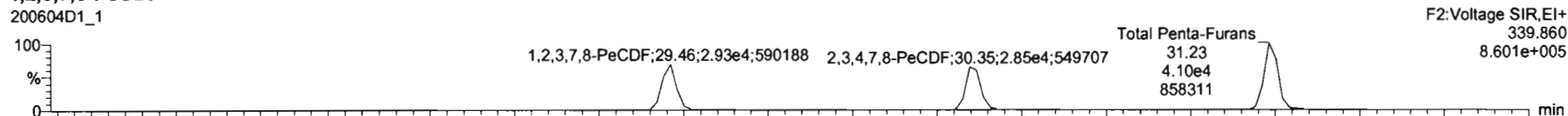
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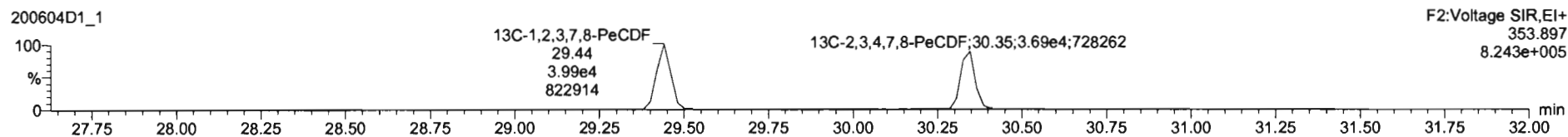
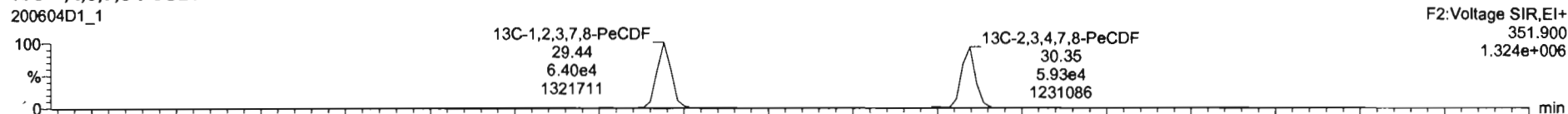
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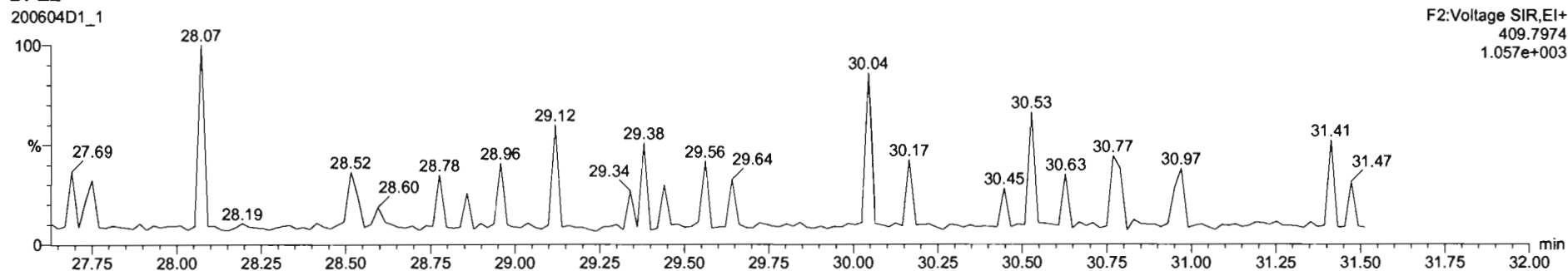
1,2,3,7,8-PeCDF



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



DPE2



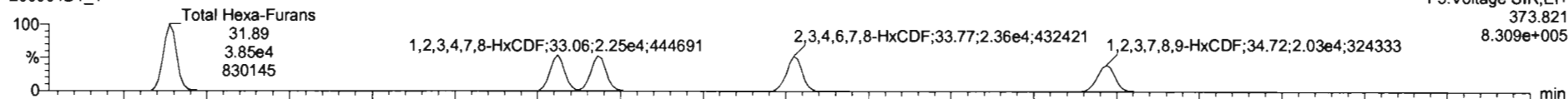
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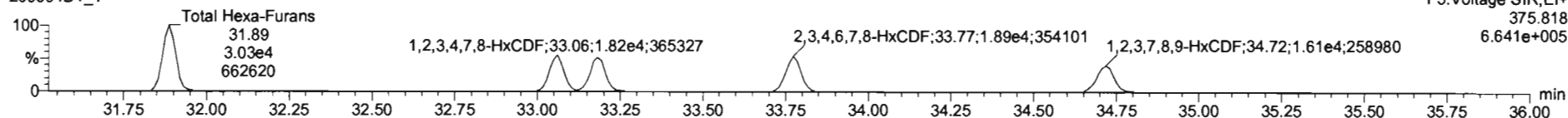
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1,2,3,4,7,8-HxCDF

200604D1_1

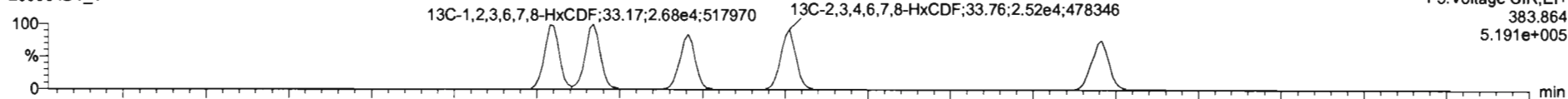


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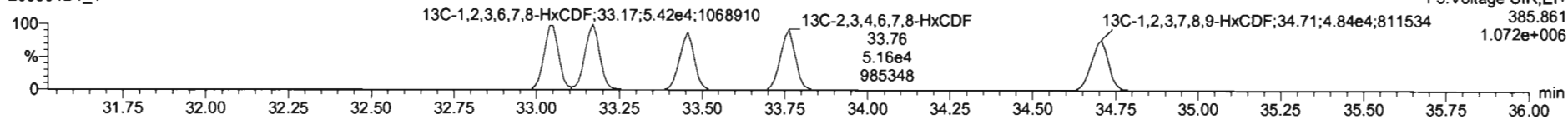


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200604D1_1

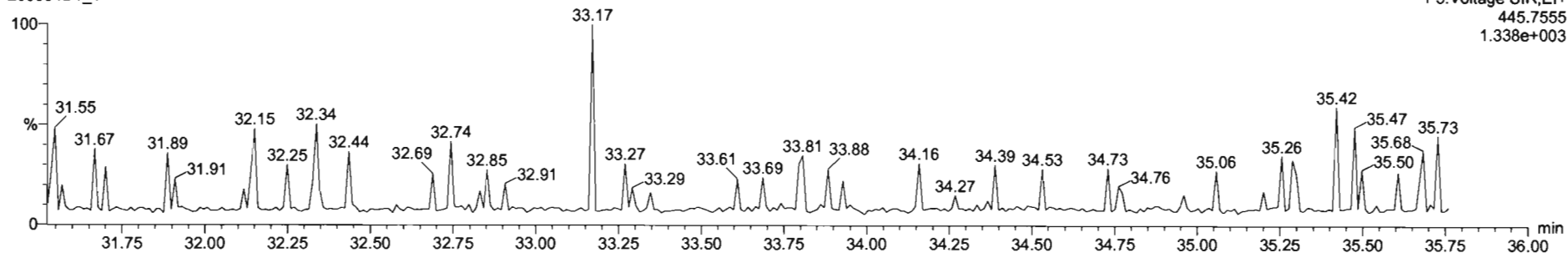


200604D1_1



DPE3

200604D1_1



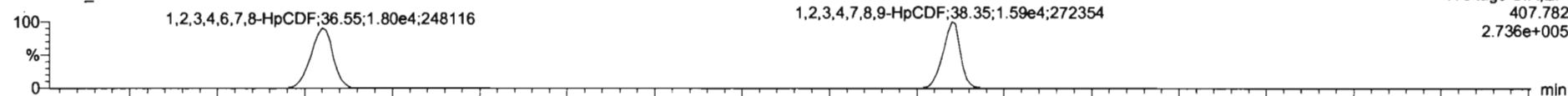
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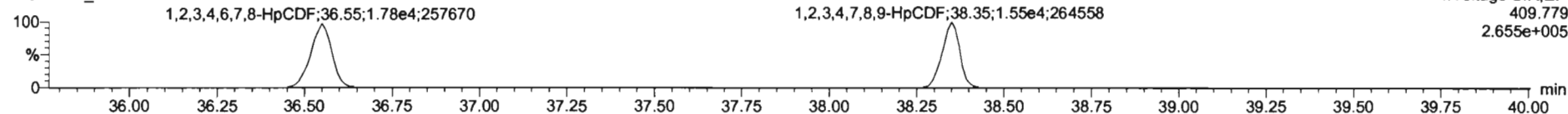
1,2,3,4,6,7,8-HpCDF

200604D1_1



F4:Voltage SIR,EI+
407.782
2.736e+005

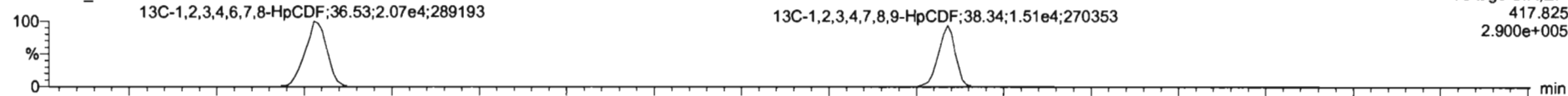
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F4:Voltage SIR,EI+
409.779
2.655e+005

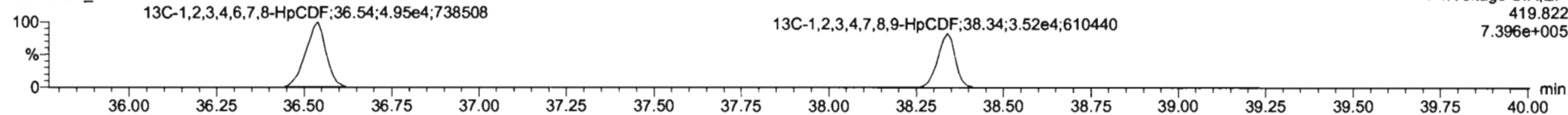
13C-1,2,3,4,6,7,8-HpCDF

200604D1_1



F4:Voltage SIR,EI+
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2.900e+005

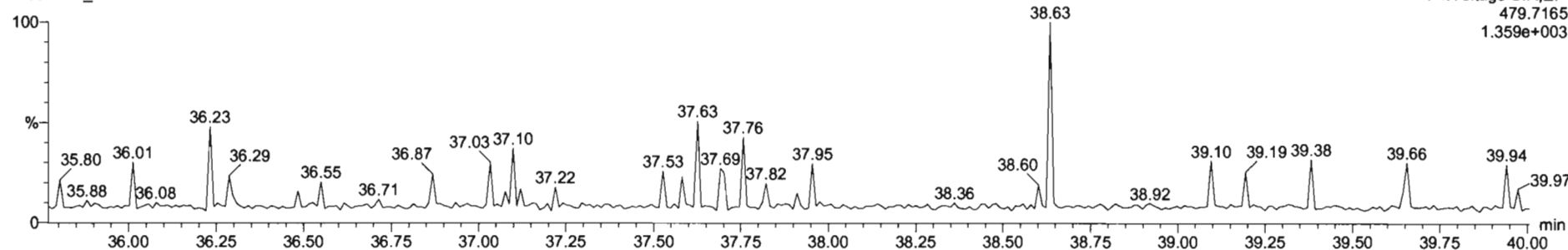
200604D1_1



F4:Voltage SIR,EI+
419.822
7.396e+005

DPE4

200604D1_1

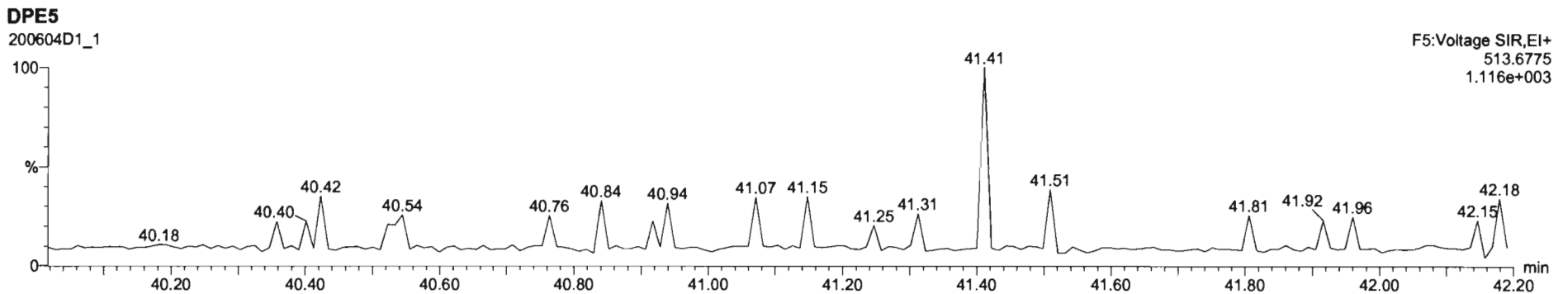
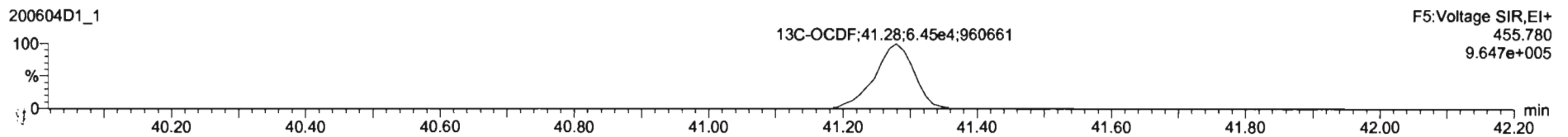
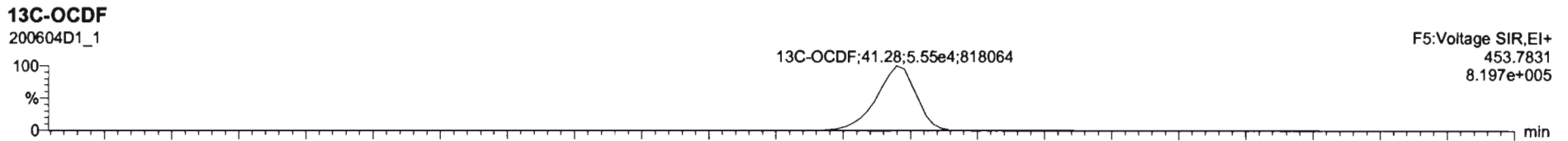
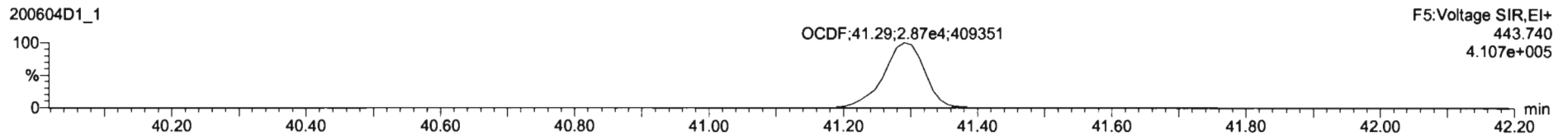
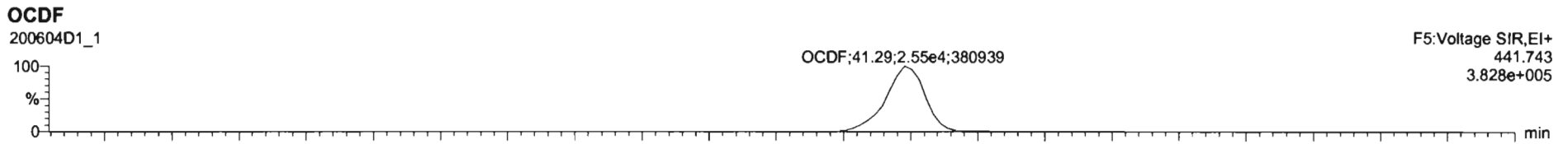


F4:Voltage SIR,EI+
479.7165
1.359e+003

Dataset: U:\VG7.PRO\Results\200604D1\200604D1_1.qld

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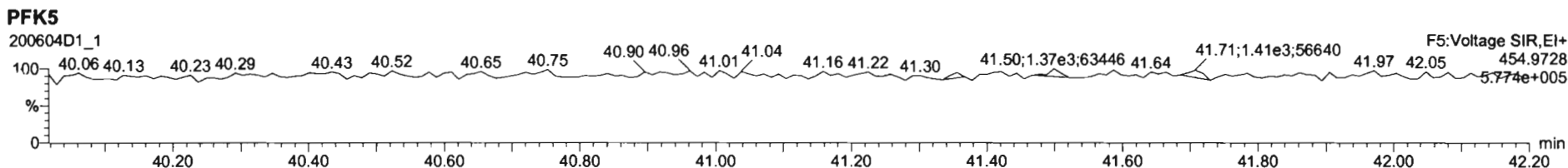
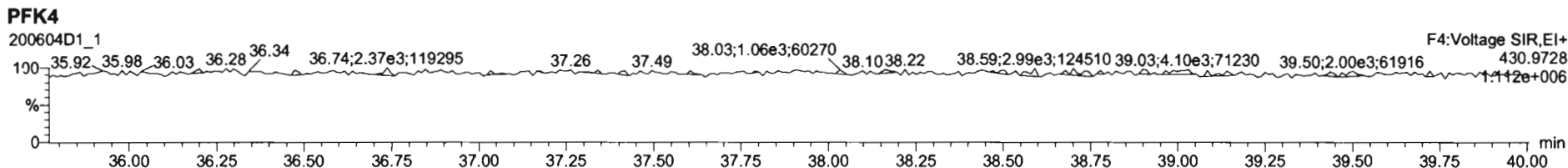
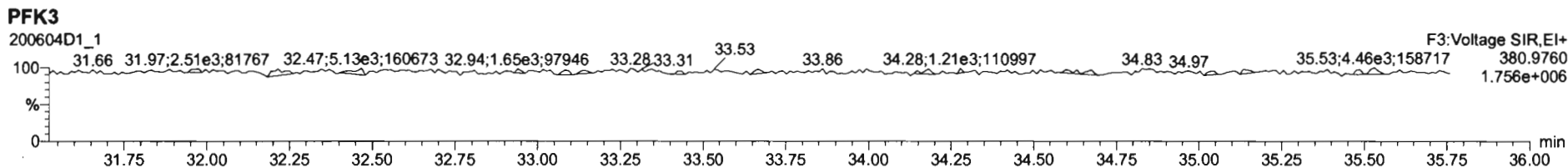
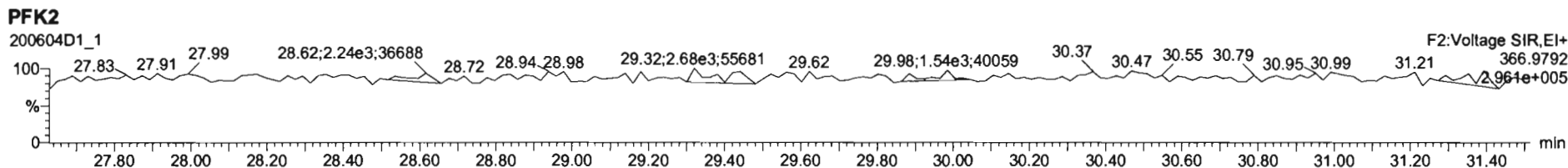
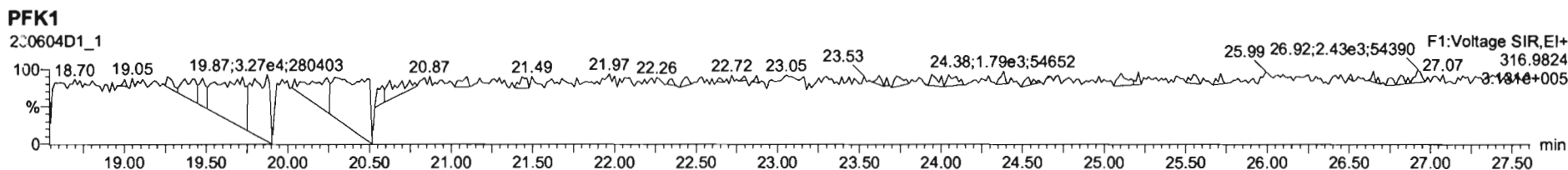
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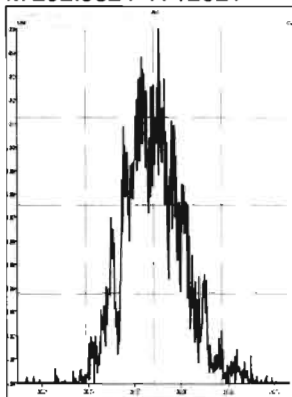
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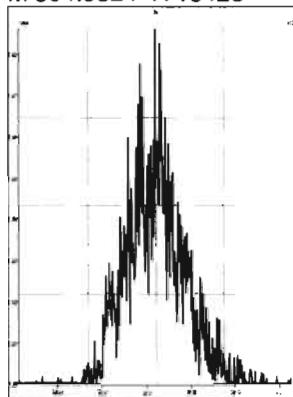


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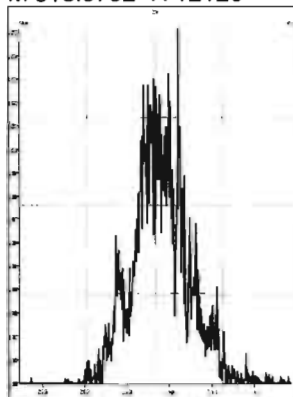
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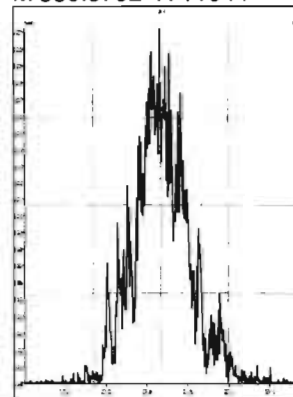
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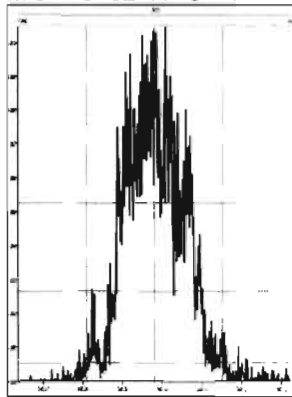
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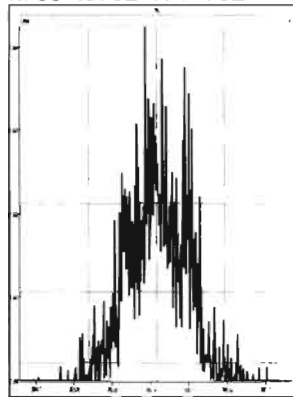
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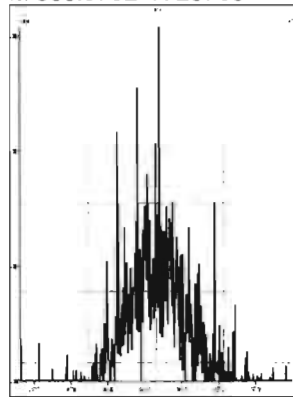
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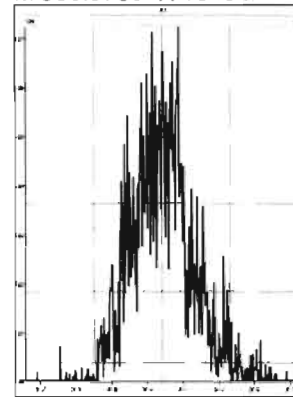
M 354.9792 R 14792



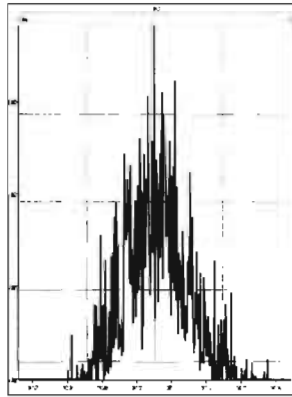
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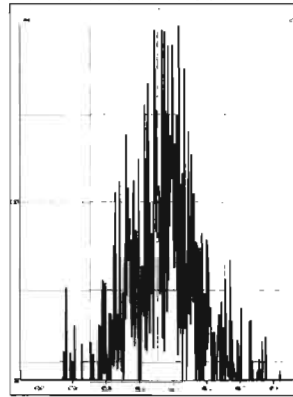
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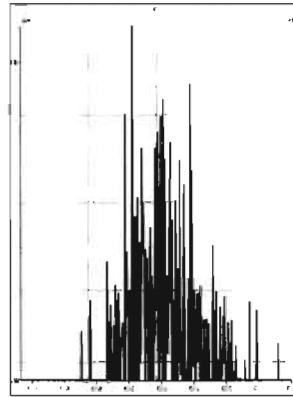
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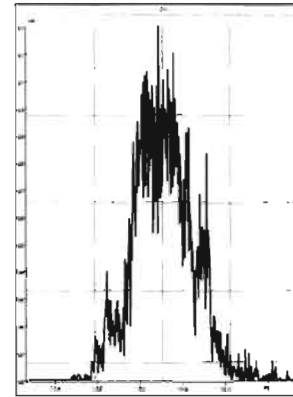
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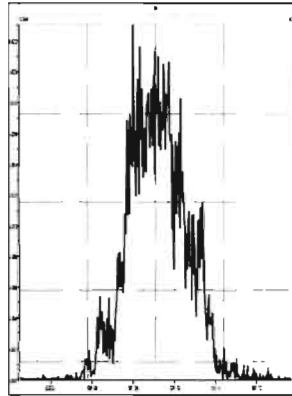
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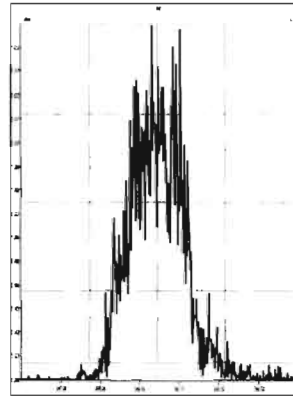
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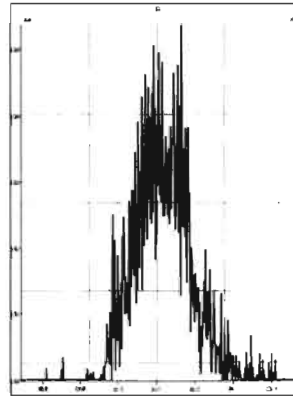
M 330.9792 R 12209



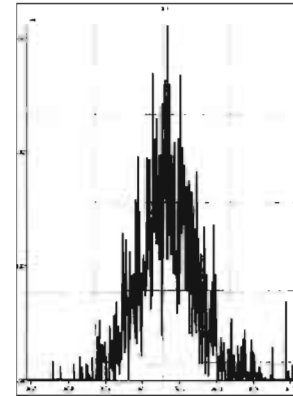
M 342.9792 R 14705



M 354.9792 R 14769

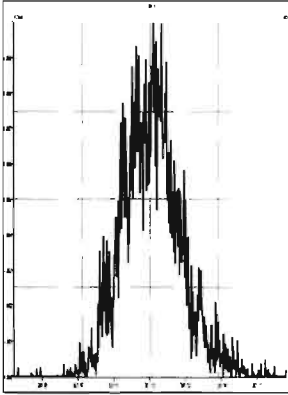


M 366.9792 R 16967

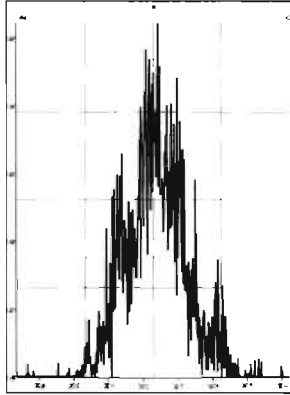


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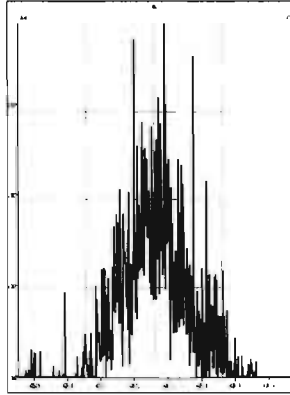
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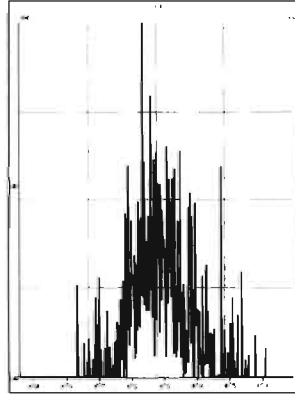
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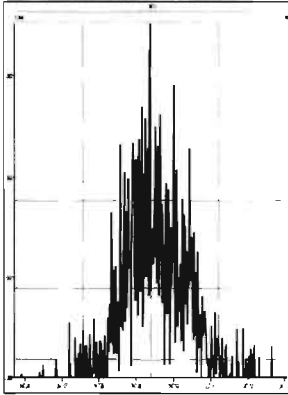
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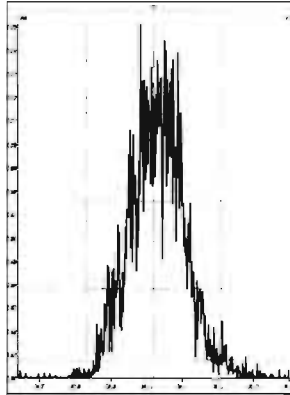
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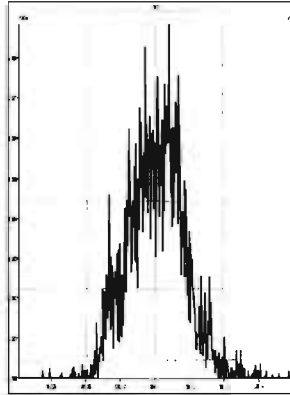
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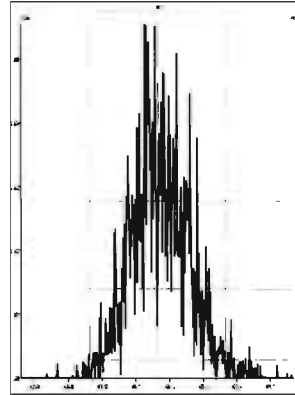
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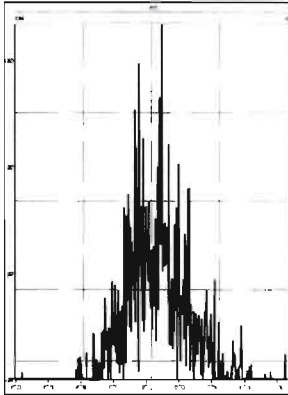
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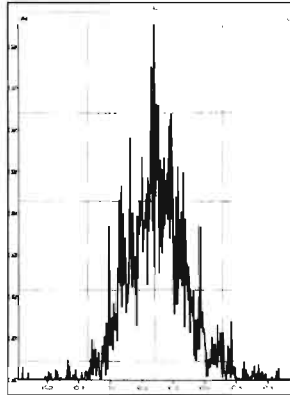
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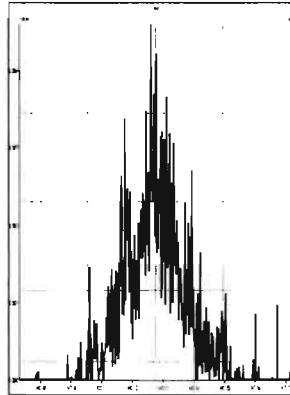
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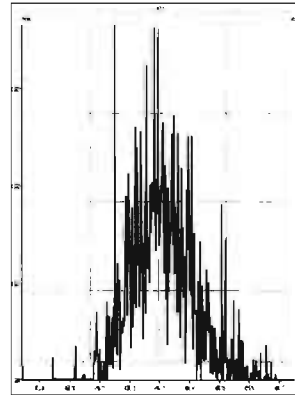
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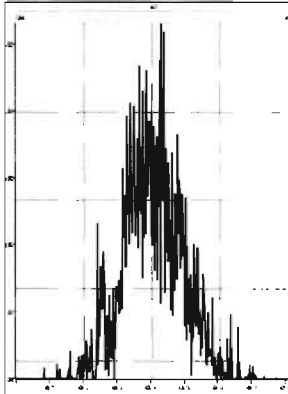
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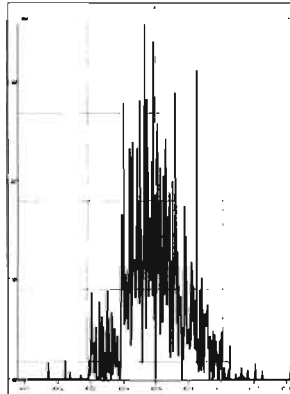
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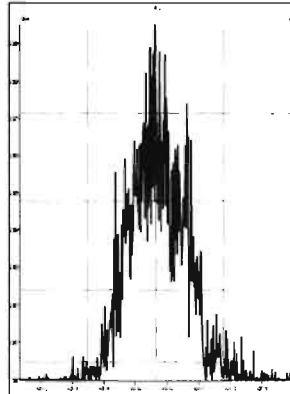
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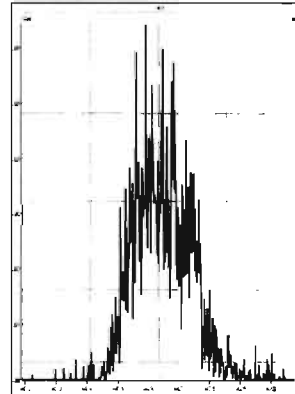
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M 430.9728 R 12651

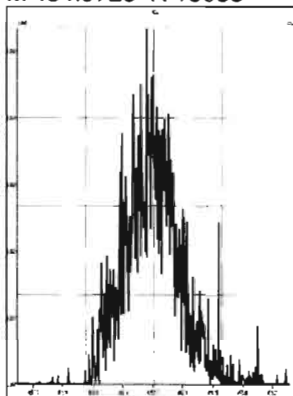


M 442.9728 R 12797

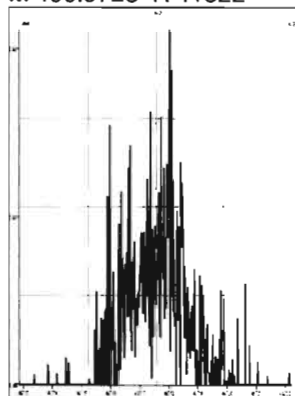


Printed: Thursday, June 04, 2020 23:26:00 Pacific Daylight Time

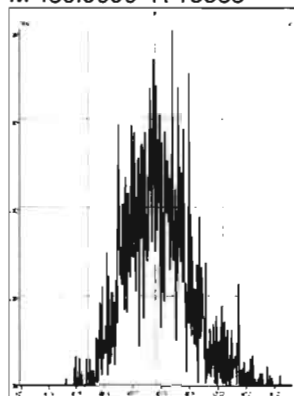
M 454.9728 R 13033



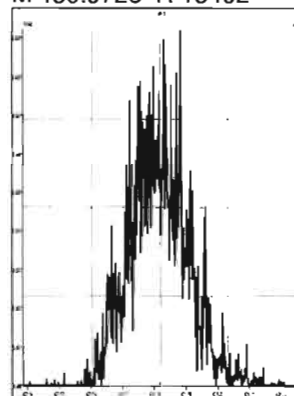
M 466.9728 R 41822



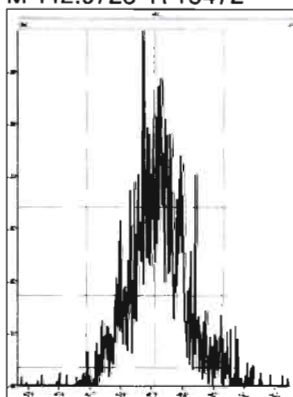
M 480.9696 R 15388



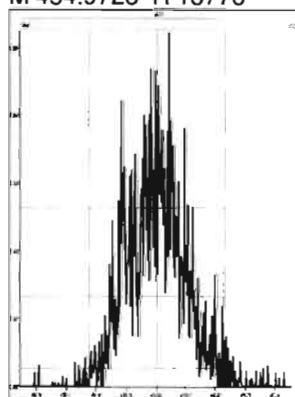
M 430.9728 R 13402



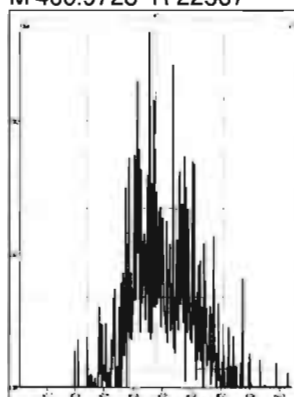
M 442.9728 R 15472



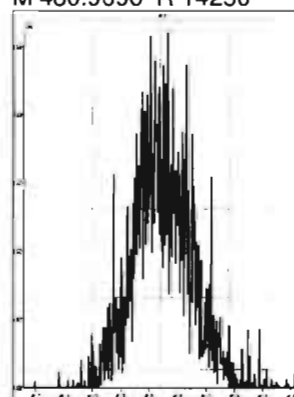
M 454.9728 R 13773



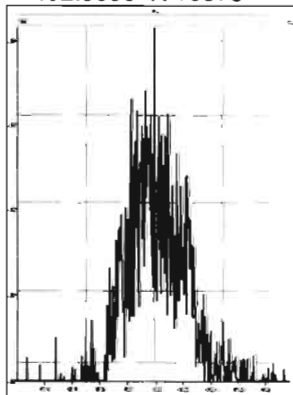
M 466.9728 R 22567



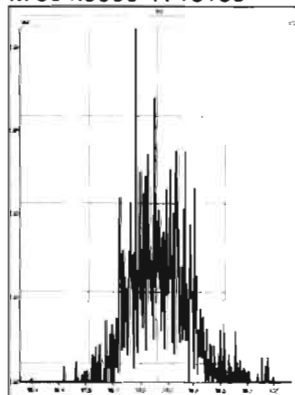
M 480.9696 R 14250



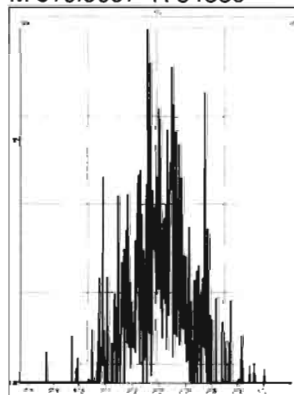
M 492.9696 R 15975



M 504.9696 R 18183



M 516.9697 R 54880



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200605R2-1

Reviewed By: CJ OG/OP/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 checked="" type="checkbox"/>	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		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1614 1699 429 1613/1668/8280		
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8280 CS1 End Standard:		
(ST-Year-Month-Day-VG ID)			- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Correct ICAL referenced?	<u>GRB</u>	<u>GRB</u>	Comments:	<div style="height: 150px;"></div>	
Run Log:					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
- Bottle position verified?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-2.qld

Last Altered: Sunday, June 07, 2020 08:00:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:05:25 Pacific Daylight Time

GRB 06/07/2020

C106/08/2020

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

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	7.30e4	8.31e5	0.75	NO	0.888	26.53	26.51	NO	1.001	1.001	9.8836	98.8	NO
2	2 1,2,3,7,8-PeCDD	2.63e5	6.06e5	0.62	NO	0.908	31.49	31.48	NO	1.001	1.000	47.742	95.5	NO
3	3 1,2,3,4,7,8-HxCDD	2.11e5	4.21e5	1.22	NO	1.03	34.85	34.85	NO	1.000	1.000	48.606	97.2	NO
4	4 1,2,3,6,7,8-HxCDD	2.33e5	5.33e5	1.22	NO	0.892	34.94	34.95	NO	1.000	1.000	48.973	97.9	NO
5	5 1,2,3,7,8,9-HxCDD	2.03e5	4.72e5	1.25	NO	0.887	35.23	35.24	NO	1.000	1.001	48.422	96.8	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.50e5	3.60e5	1.02	NO	0.864	38.78	38.78	NO	1.000	1.000	48.349	96.7	NO
7	7 OCDD	3.13e5	6.82e5	0.86	NO	0.914	41.75	41.76	NO	1.000	1.000	100.58	101	NO
8	8 2,3,7,8-TCDF	7.70e4	1.07e6	0.74	NO	0.751	25.63	25.63	NO	1.001	1.001	9.5550	95.5	NO
9	9 1,2,3,7,8-PeCDF	3.87e5	8.91e5	1.57	NO	0.893	30.19	30.18	NO	1.001	1.000	48.709	97.4	NO
10	10 2,3,4,7,8-PeCDF	3.95e5	8.72e5	1.55	NO	0.935	31.19	31.18	NO	1.001	1.000	48.466	96.9	NO
11	11 1,2,3,4,7,8-HxCDF	2.48e5	5.45e5	1.19	NO	0.884	33.96	33.97	NO	1.000	1.000	51.522	103	NO
12	12 1,2,3,6,7,8-HxCDF	2.85e5	6.24e5	1.16	NO	0.889	34.09	34.10	NO	1.000	1.001	51.337	103	NO
13	13 2,3,4,6,7,8-HxCDF	2.63e5	5.68e5	1.21	NO	0.934	34.70	34.69	NO	1.001	1.001	49.481	99.0	NO
14	14 1,2,3,7,8,9-HxCDF	1.99e5	4.50e5	1.22	NO	0.871	35.59	35.60	NO	1.000	1.000	50.878	102	NO
15	15 1,2,3,4,6,7,8-HpCDF	1.85e5	4.15e5	0.99	NO	0.873	37.40	37.37	NO	1.001	1.000	51.032	102	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.40e5	2.67e5	0.98	NO	1.01	39.32	39.33	NO	1.000	1.000	51.680	103	NO
17	17 OCDF	3.07e5	7.53e5	0.84	NO	0.806	41.95	41.96	NO	1.000	1.000	101.23	101	NO
18	18 13C-2,3,7,8-TCDD	8.31e5	7.05e5	0.78	NO	1.16	26.52	26.50	NO	1.026	1.026	101.88	102	NO
19	19 13C-1,2,3,7,8-PeCDD	6.06e5	7.05e5	0.63	NO	0.849	31.71	31.47	NO	1.227	1.218	101.13	101	NO
20	20 13C-1,2,3,4,7,8-HxCDD	4.21e5	5.48e5	1.29	NO	0.779	34.84	34.84	NO	1.014	1.014	98.434	98.4	NO
21	21 13C-1,2,3,6,7,8-HxCDD	5.33e5	5.48e5	1.27	NO	1.02	34.95	34.94	NO	1.017	1.017	95.656	95.7	NO
22	22 13C-1,2,3,7,8,9-HxCDD	4.72e5	5.48e5	1.26	NO	0.903	35.23	35.22	NO	1.025	1.025	95.298	95.3	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.60e5	5.48e5	1.03	NO	0.689	38.75	38.77	NO	1.128	1.128	95.301	95.3	NO
24	24 13C-OCDD	6.82e5	5.48e5	0.88	NO	0.652	41.77	41.75	NO	1.216	1.215	190.64	95.3	NO
25	25 13C-2,3,7,8-TCDF	1.07e6	1.00e6	0.78	NO	1.06	25.56	25.60	NO	0.989	0.991	101.35	101	NO
26	26 13C-1,2,3,7,8-PeCDF	8.91e5	1.00e6	1.59	NO	0.838	30.09	30.17	NO	1.165	1.168	106.32	106	NO
27	27 13C-2,3,4,7,8-PeCDF	8.72e5	1.00e6	1.58	NO	0.817	31.05	31.16	NO	1.202	1.206	106.70	107	NO
28	28 13C-1,2,3,4,7,8-HxCDF	5.45e5	5.48e5	0.50	NO	1.01	33.97	33.96	NO	0.989	0.988	98.624	98.6	NO
29	29 13C-1,2,3,6,7,8-HxCDF	6.24e5	5.48e5	0.50	NO	1.17	34.10	34.08	NO	0.992	0.992	97.551	97.6	NO
30	30 13C-2,3,4,6,7,8-HxCDF	5.68e5	5.48e5	0.52	NO	1.02	34.67	34.67	NO	1.009	1.009	101.36	101	NO
31	31 13C-1,2,3,7,8,9-HxCDF	4.50e5	5.48e5	0.50	NO	0.860	35.57	35.59	NO	1.035	1.036	95.462	95.5	NO

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-2.qld

Last Altered: Sunday, June 07, 2020 08:00:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:05:25 Pacific Daylight Time

EO, ID: ST200605R2_2, Date: 05 June 2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.15e5	5.48e5	0.43	NO	0.774	37.32	37.36	NO	1.086	1.087	97.768	97.8	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.67e5	5.48e5	0.44	NO	0.521	39.35	39.32	NO	1.145	1.145	93.514	93.5	NO
34	34 13C-OCDF	7.53e5	5.48e5	0.82	NO	0.746	41.95	41.95	NO	1.221	1.221	184.09	92.0	NO
35	35 37Cl-2,3,7,8-TCDD	7.85e4	7.05e5			1.04	26.55	26.51	NO	1.028	1.026	10.736	107	NO
36	36 13C-1,2,3,4-TCDD	7.05e5	7.05e5	0.80	NO	1.00	25.89	25.84	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.00e6	1.00e6	0.77	NO	1.00	24.36	24.16	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	5.48e5	5.48e5	0.50	NO	1.00	34.42	34.36	NO	1.000	1.000	100.00	100	YES <i>OK</i>

Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:02:01 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:02:26 Pacific Daylight Time

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

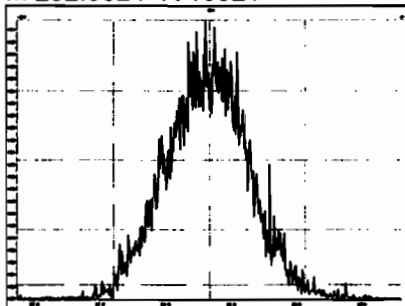
Calibration: U:\VG12.PRO\CurveDB\1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

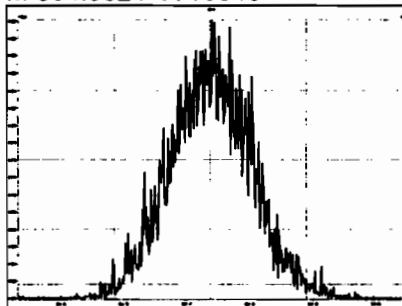
200605R2_1	SOLVENT BLANK	05-Jun-20	22:22:35
200605R2_2	ST200605R2_1 1613 CS3 19L2305	05-Jun-20	23:08:50
200605R2_3	SOLVENT BLANK	05-Jun-20	23:55:04
200605R2_4	2000995-12 PDI-1072SC-B-02-04-200430 16.14	06-Jun-20	00:41:18
200605R2_5	2000999-01 PDI-065SC-A-02-03-200429 16.92	06-Jun-20	01:27:31
200605R2_6	2000999-02 PDI-065SC-A-03-04-200429 15.97	06-Jun-20	02:13:46
200605R2_7	2000999-03 PDI-065SC-A-04-05-200429 15.55	06-Jun-20	03:00:00
200605R2_8	2000999-04 PDI-065SC-A-05-06-200429 15.25	06-Jun-20	03:46:13
200605R2_9	2000999-05 PDI-065SC-A-06-07-200429 15.41	06-Jun-20	04:32:27
200605R2_10	2000999-06 PDI-065SC-A-07-08-200429 14.64	06-Jun-20	05:18:41
200605R2_11	2000999-07 PDI-065SC-A-08-09-200429 15.1	06-Jun-20	06:04:56
200605R2_12	2000999-08 PDI-065SC-B-00-02-200429 14.96	06-Jun-20	06:51:09
200605R2_13	2000999-09 PDI-065SC-B-02-05-200429 15.9	06-Jun-20	07:37:23
200605R2_14	BOE0100-DUP3 Duplicate 15.92	06-Jun-20	08:23:37
200605R2_15	2000999-10 PDI-065SC-B-05-07-200429 14.99	06-Jun-20	09:09:51
200605R2_16	2000999-11 PDI-1065SC-B-00-02-200429 14.61	06-Jun-20	09:56:06
200605R2_17	2000997-11 PDI-061SC-B-06-08-200428 14.52	06-Jun-20	10:42:21

Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

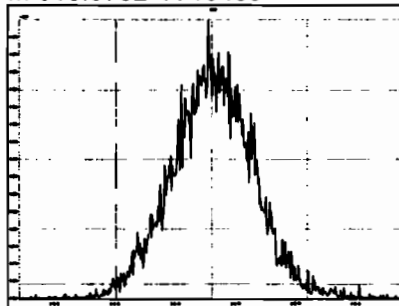
M 292.9824 R 10921



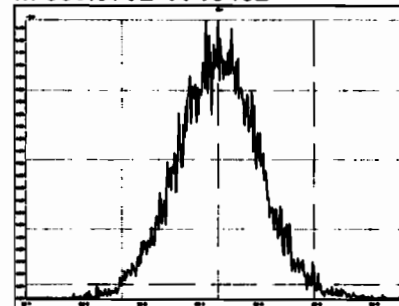
M 304.9824 R 10846



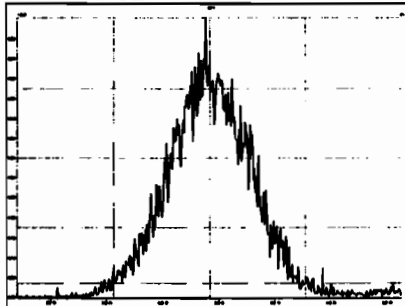
M 318.9792 R 10460



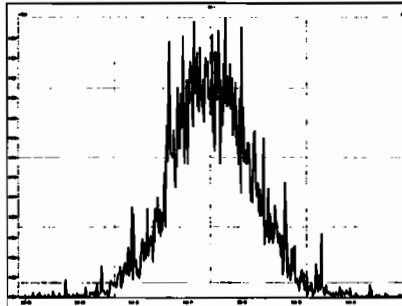
M 330.9792 R 10482



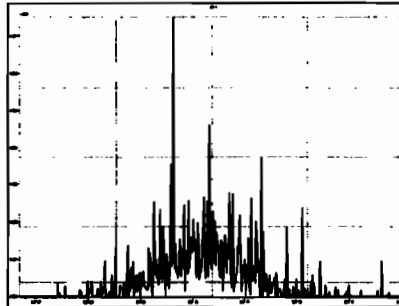
M 342.9792 R 10330



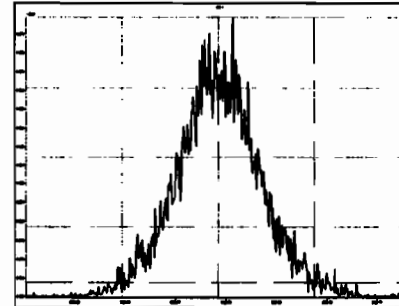
M 354.9792 R 11142



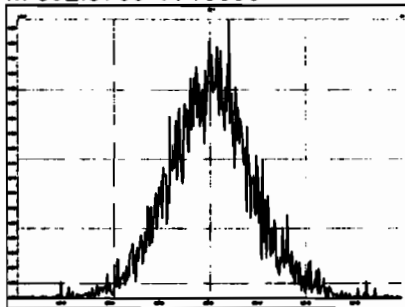
M 366.9792 R 25205



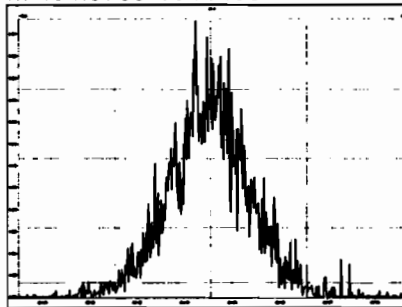
M 380.9760 R 10661



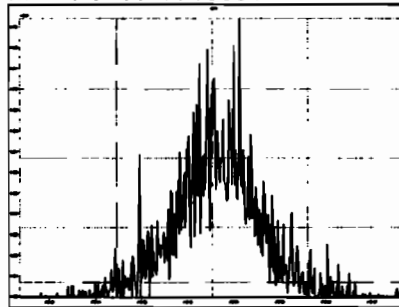
M 392.9760 R 10595



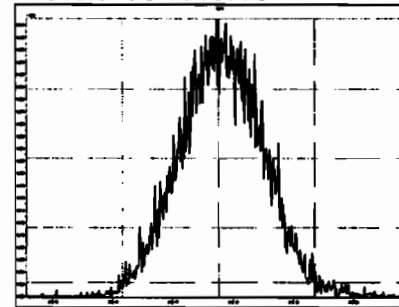
M 404.9760 R 11436



M 416.9760 R 13851

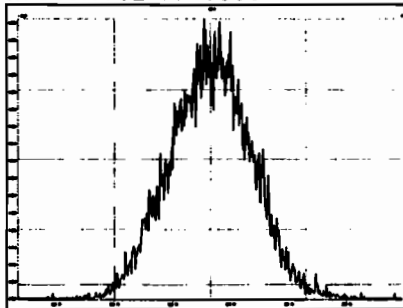


M 318.9792 R 10775

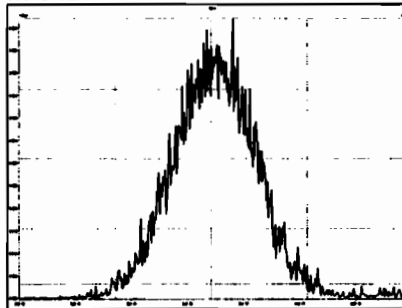


Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

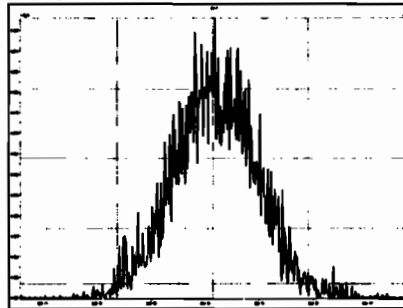
M 330.9792 R 10803



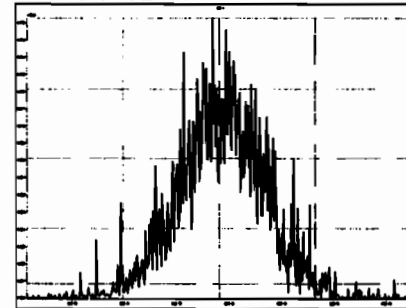
M 342.9792 R 10504



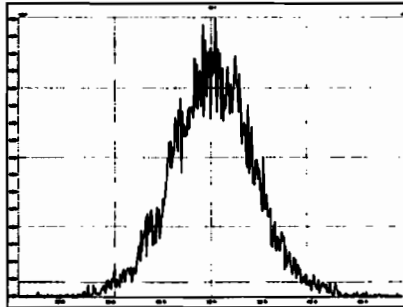
M 354.9792 R 11808



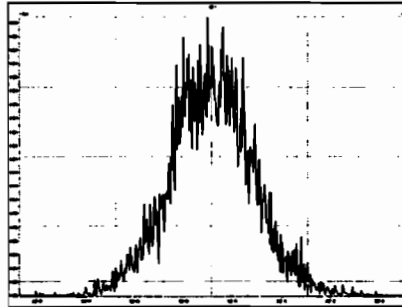
M 366.9792 R 11440



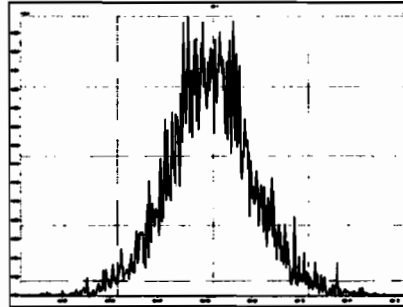
M 380.9760 R 10142



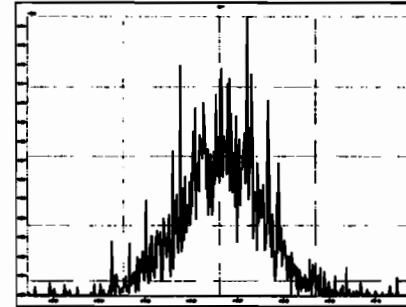
M 392.9760 R 10904



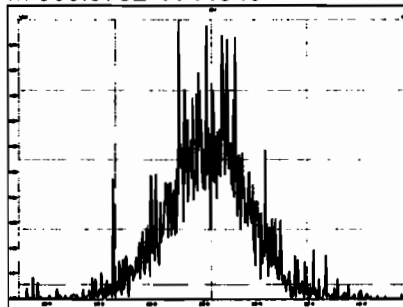
M 404.9760 R 11186



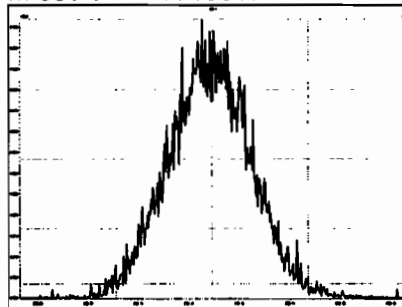
M 416.9760 R 13101



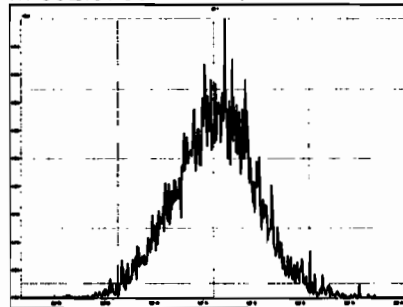
M 366.9792 R 11940



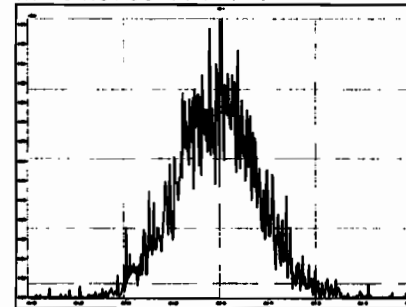
M 380.9760 R 10617



M 392.9760 R 10782

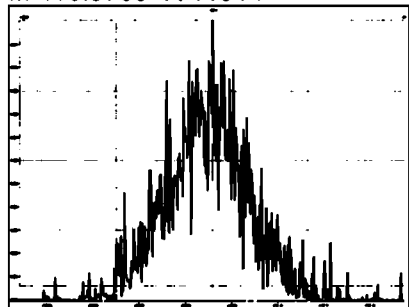


M 404.9760 R 11313

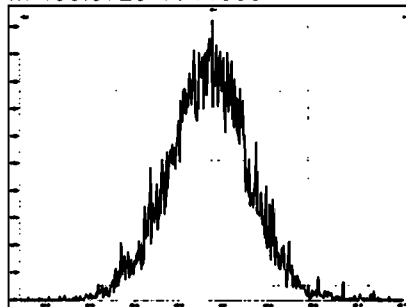


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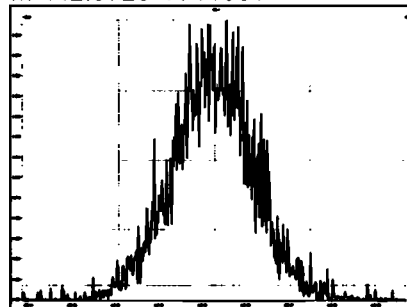
M 416.9760 R 11914



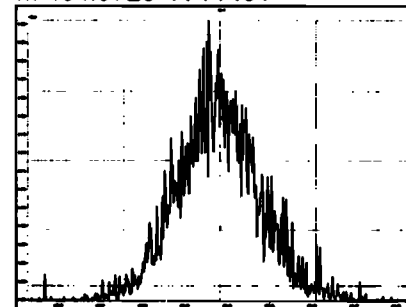
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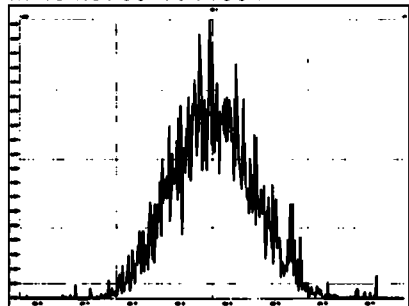
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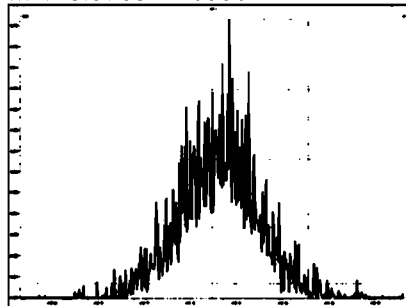
M 454.9728 R 11451



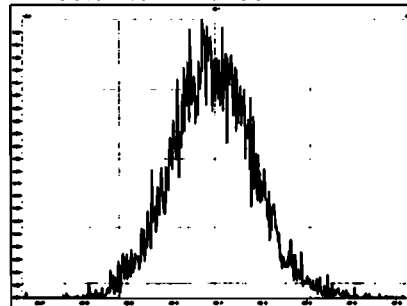
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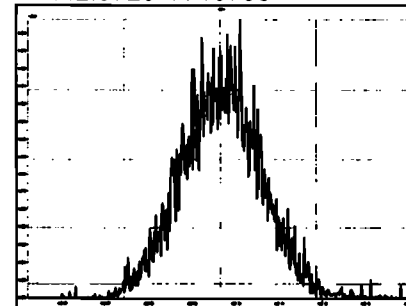
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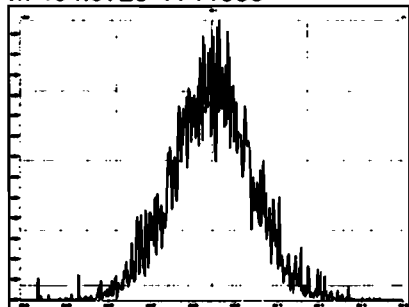
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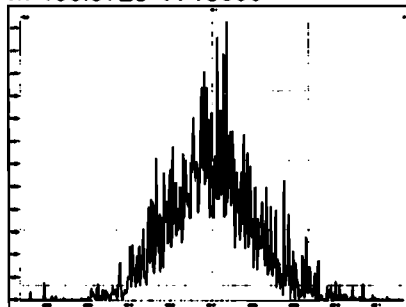
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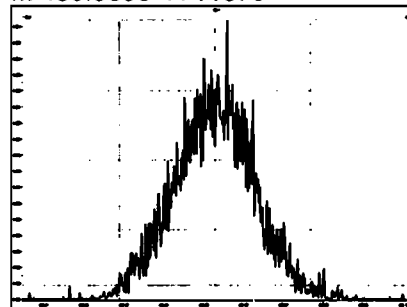
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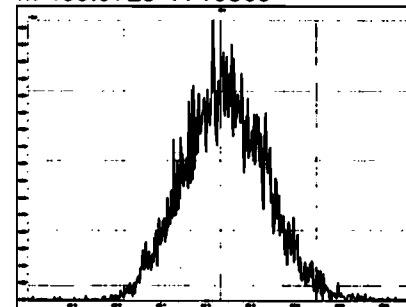
M 466.9728 R 13300



M 480.9696 R 11573

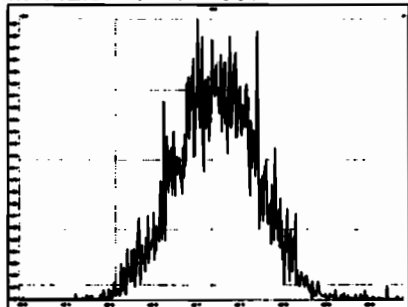


M 430.9728 R 10869

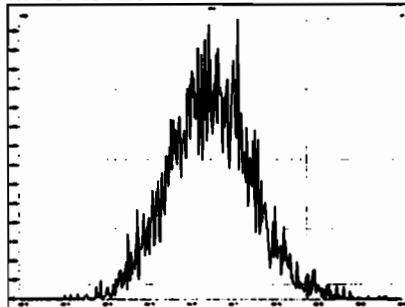


Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

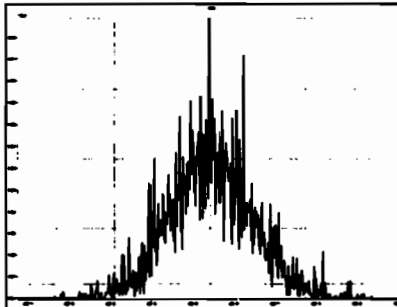
M 442.9728 R 11007



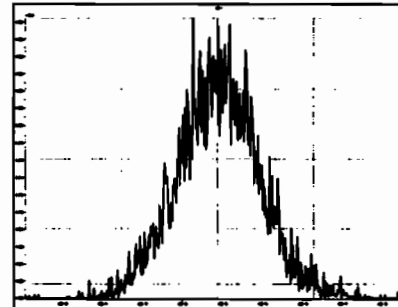
M 454.9728 R 11416



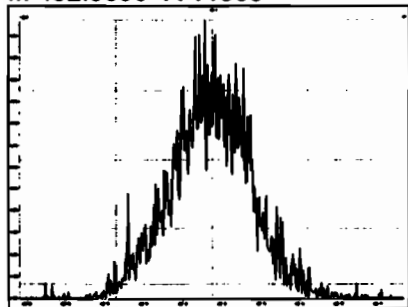
M 466.9728 R 14250



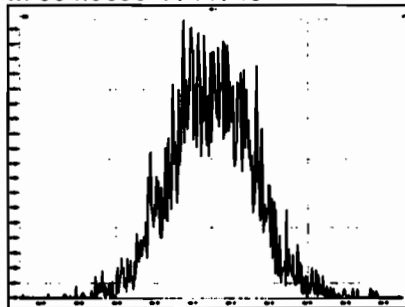
M 480.9696 R 11443



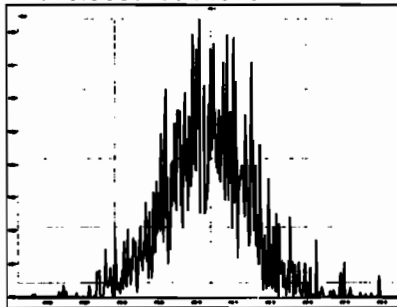
M 492.9696 R 11363



M 504.9696 R 11743



M 516.9697 R 14046



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Last Altered: Sunday, June 07, 2020 08:01:05 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:01:26 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\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: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	RT
1 1,3,6,8-TCDD (First)	22.49
2 1,2,8,9-TCDD (Last)	27.47
3 1,2,4,7,9-PeCDD (First)	29.25
4 1,2,3,8,9-PeCDD (Last)	31.86
5 1,2,4,6,7,9-HxCDD (First)	33.34
6 1,2,3,7,8,9-HxCDD (Last)	35.24
7 1,2,3,4,6,7,9-HpCDD (First)	37.76
8 1,2,3,4,6,7,8-HpCDD (Last)	38.78
9 1,3,6,8-TCDF (First)	20.36
10 1,2,8,9-TCDF (Last)	27.62
11 1,3,4,6,8-PeCDF (First)	27.58
12 1,2,3,8,9-PeCDF (Last)	32.11
13 1,2,3,4,6,8-HxCDF (First)	32.79
14 1,2,3,7,8,9-HxCDF (Last)	35.60
15 1,2,3,4,6,7,8-HpCDF (First)	37.37
16 1,2,3,4,7,8,9-HpCDF (Last)	39.33

Dataset: Untitled

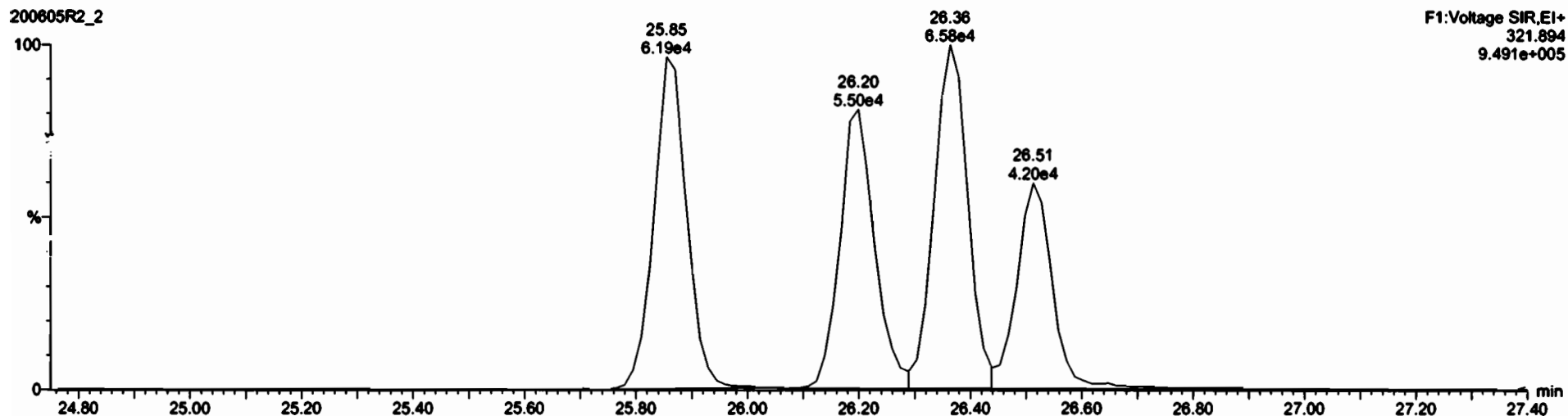
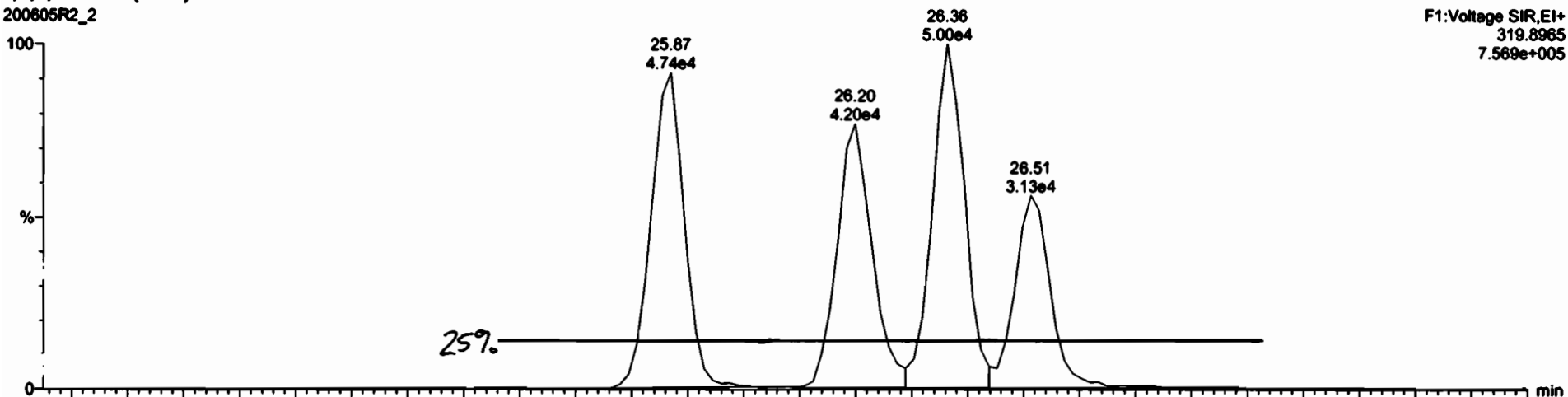
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QRB 06/07/2020

Method: U:\VG12.PRO\MethDB\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: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)
200605R2_2



Dataset: Untitled

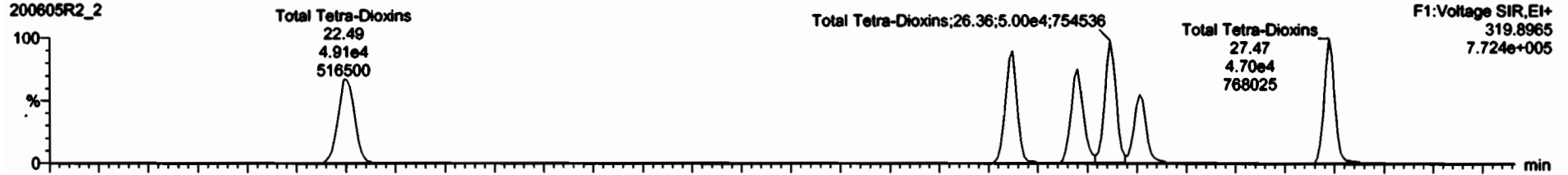
Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time
Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
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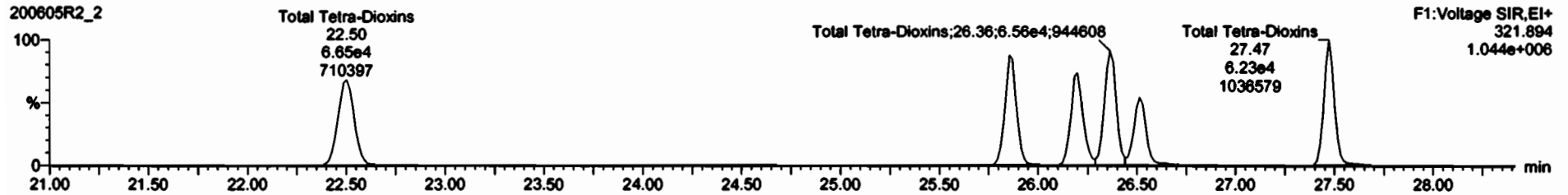
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2,3,7,8-TCDD

200605R2_2

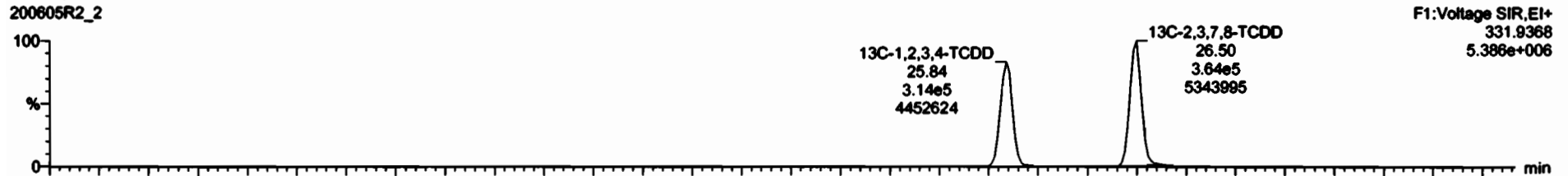


200605R2_2

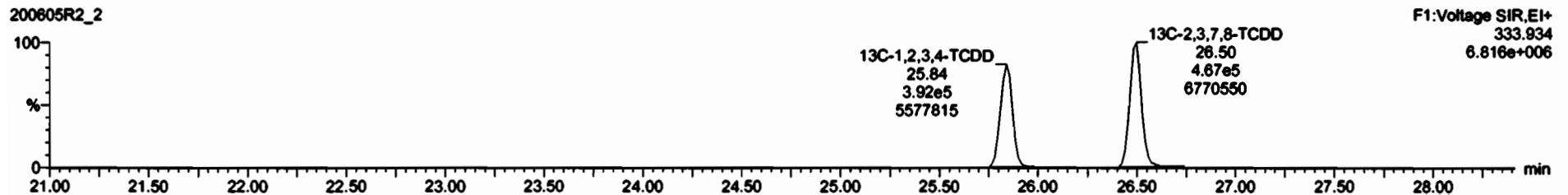


13C-2,3,7,8-TCDD

200605R2_2



200605R2_2



Dataset: Untitled

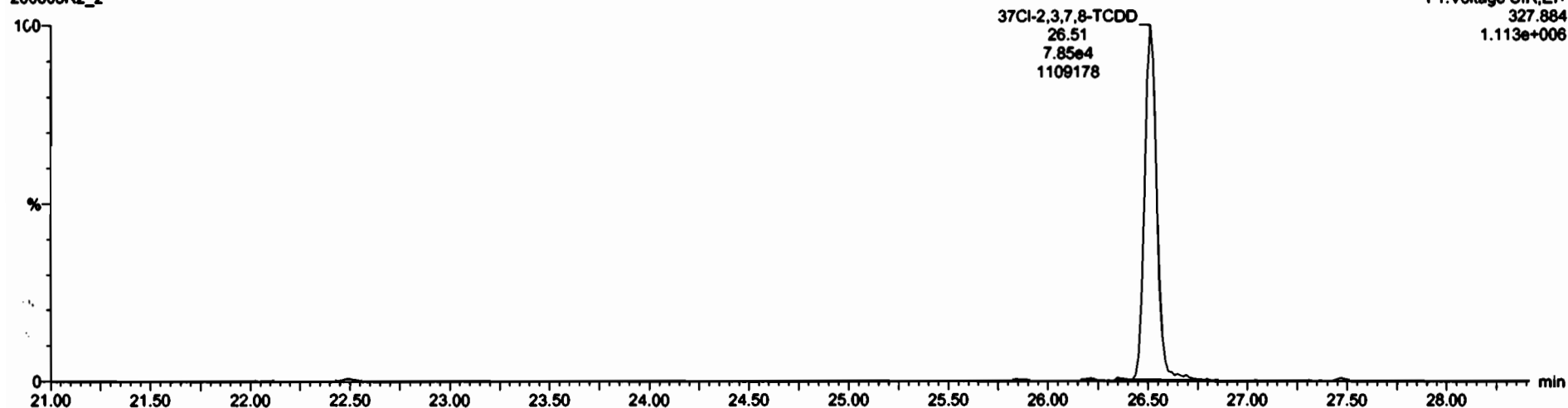
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Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

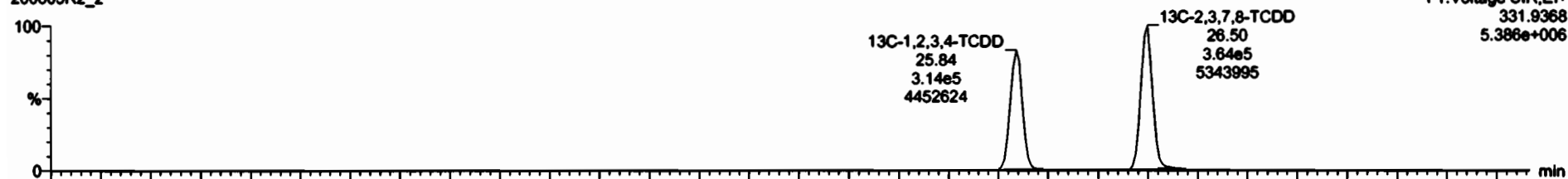
37Cl-2,3,7,8-TCDD

200605R2_2

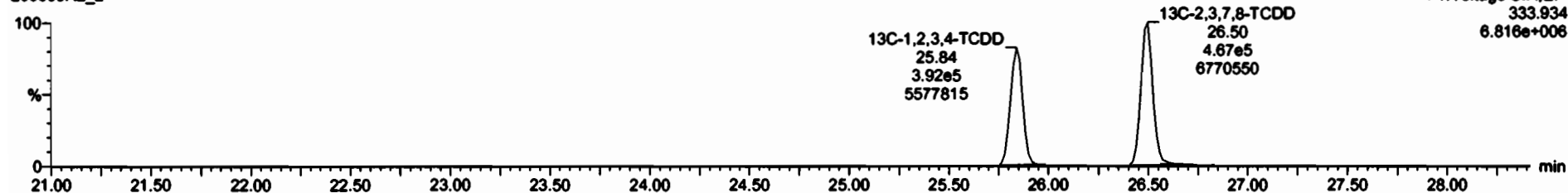


13C-1,2,3,4-TCDD

200605R2_2



200605R2_2



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

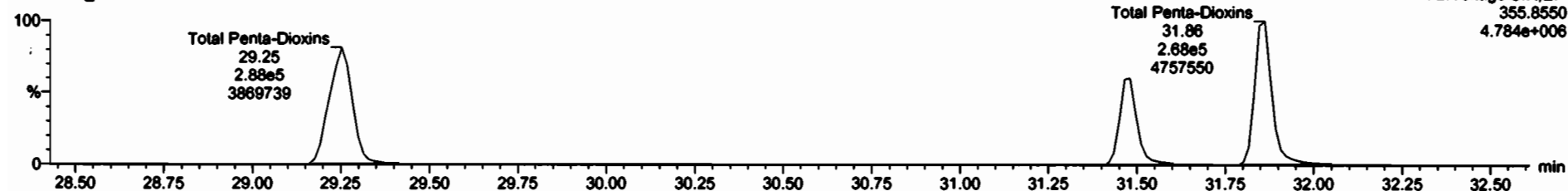
1,2,3,7,8-PeCDD

200605R2_2



F2:Voltage SIR,EI+
353.8576
3.037e+006

200605R2_2



F2:Voltage SIR,EI+
355.8550
4.784e+006

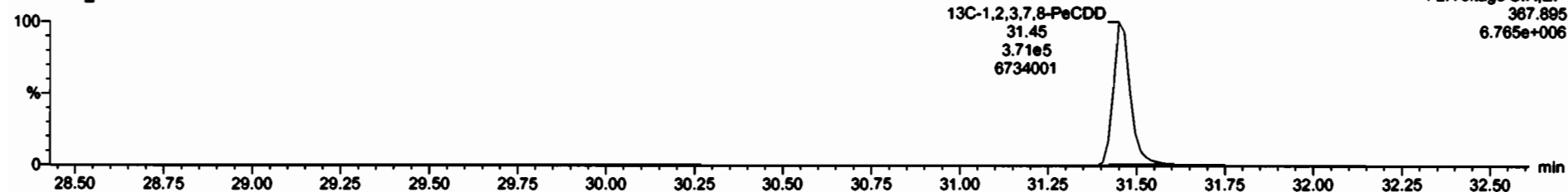
13C-1,2,3,7,8-PeCDD

200605R2_2



F2:Voltage SIR,EI+
365.8978
4.120e+006

200605R2_2



F2:Voltage SIR,EI+
367.895
6.765e+006

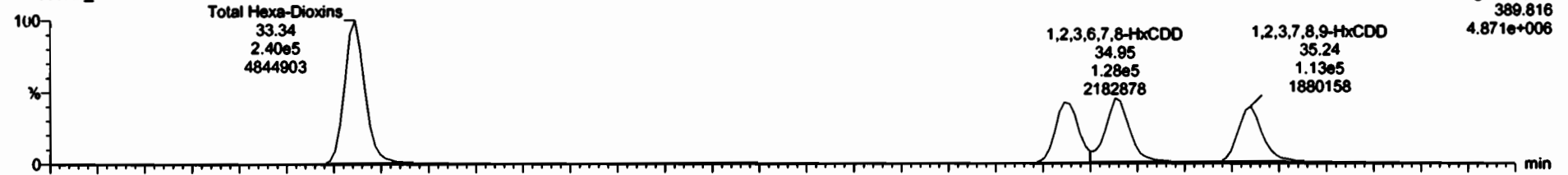
Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time
Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

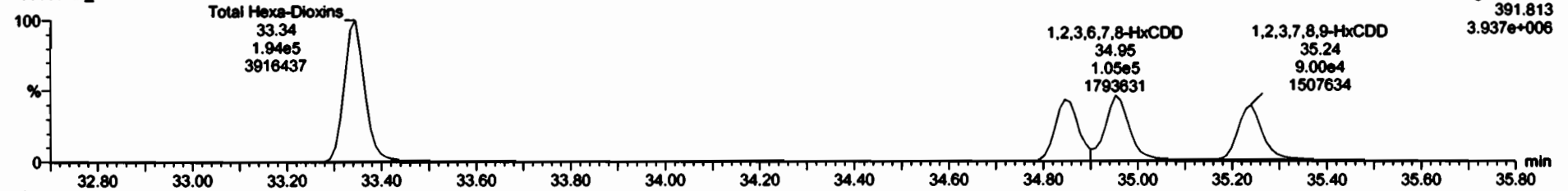
Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200605R2_2

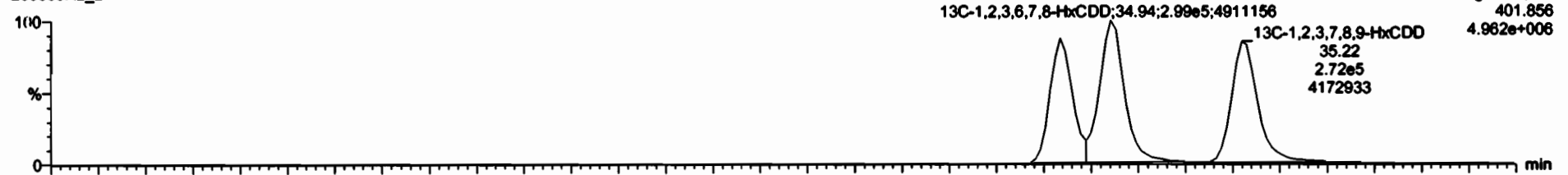


200605R2_2

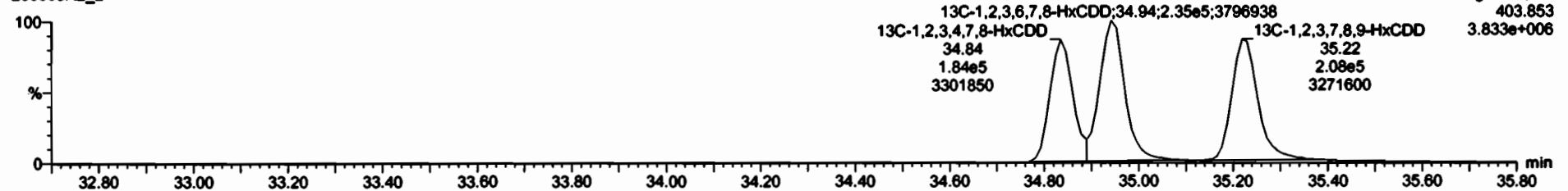


13C-1,2,3,4,7,8-HxCDD

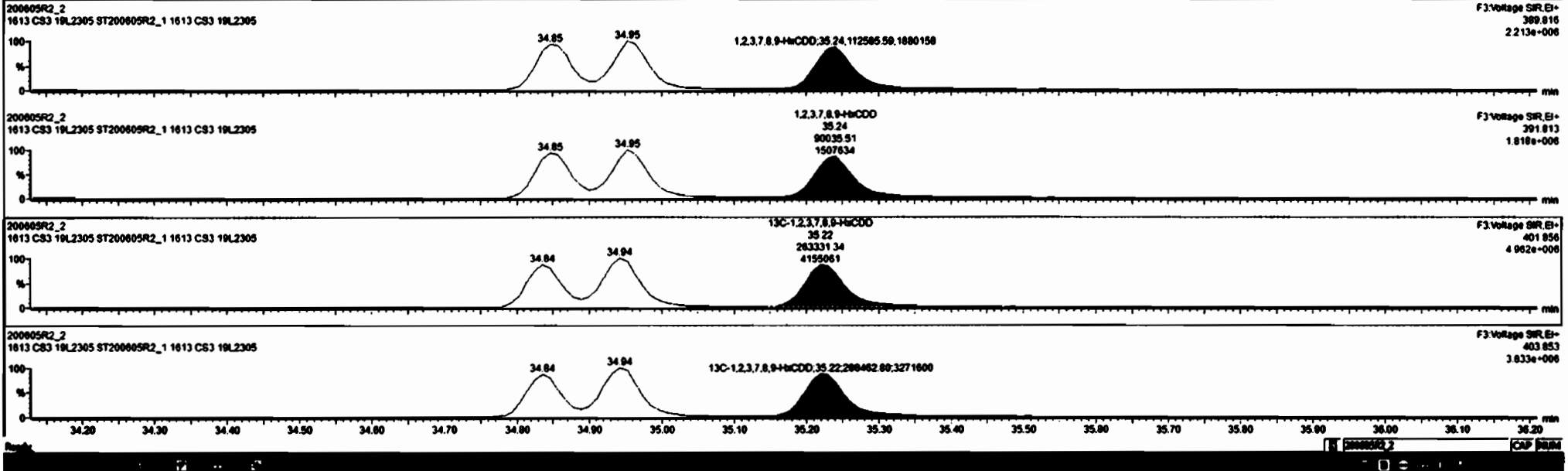
200605R2_2



200605R2_2



2.3.7.8-TCDD	7.36e4	0.75	NO	0.80	1.000	25.51	1.001	9.86	98.8	0.0400	0.80
1.2.3.7.8-PeCDD	2.83e6	0.82	NO	0.91	1.000	31.48	1.000	47.7	95.5	0.150	47.7
1.2.3.6.7.8-hxCDD	2.11e5	1.22	NO	1.50	1.000	34.85	1.000	48.6	97.2	0.200	48.6
1.2.3.6.7.8-hxCDF	2.33e5	1.22	NO	0.80	1.000	34.95	1.000	48.8	97.9	0.212	48.8
1.2.3.4.6.7.8-hpCDD	1.98e6	1.02	NO	0.80	1.000	38.78	1.000	48.3	98.7	0.310	48.3
OCDD	3.13e6	0.80	NO	0.91	1.000	41.70	1.000	101	101	0.213	101
2.3.7.8-TCDF	7.79e4	0.74	NO	0.75	1.000	25.63	1.001	9.95	95.5	0.0550	9.95
1.2.3.7.8-PeCDF	3.87e6	1.57	NO	0.80	1.000	38.18	1.001	48.7	97.4	0.144	48.7
2.3.4.7.8-PeCDF	3.95e6	1.55	NO	0.93	1.000	31.18	1.000	48.5	98.9	0.130	48.5
1.2.3.4.7.8-hxCDF	2.48e5	1.19	NO	0.80	1.000	33.97	1.000	51.5	103	0.210	51.5
1.2.3.6.7.8-hxCDF	2.85e5	1.16	NO	0.80	1.000	34.10	1.001	51.3	103	0.201	51.3
2.3.4.6.7.8-hxCDF	2.83e6	1.21	NO	0.93	1.000	34.80	1.001	48.5	99.0	0.217	48.5
1.2.3.7.8-hpCDF	1.98e6	1.22	NO	0.87	1.000	36.80	1.000	50.9	102	0.320	50.9
1.2.3.4.6.7.8-hpCDF	1.87e6	0.90	NO	0.87	1.000	37.37	1.000	51.7	103	0.250	51.7
1.2.3.4.7.8-hpCDF	1.48e6	0.90	NO	1.01	1.000	38.33	1.000	51.7	103	0.277	51.7
OCDF	3.87e6	0.84	NO	0.81	1.000	41.80	1.000	101	101	0.204	101
13C-2.3.7.8-TCDD	8.31e5	0.78	NO	1.16	1.000	26.50	1.025	102	102	0.186	
13C-1.2.3.7.8-PeCDD	6.98e5	0.63	NO	0.95	1.000	31.47	1.218	101	101	0.186	
13C-1.2.3.4.7.8-hpCDD	4.21e5	1.29	NO	0.78	1.000	34.84	1.014	98.4	98.4	0.384	
13C-1.2.3.6.7.8-hxCDD	5.35e6	1.27	NO	1.82	1.000	34.94	1.017	95.7	95.7	0.233	



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

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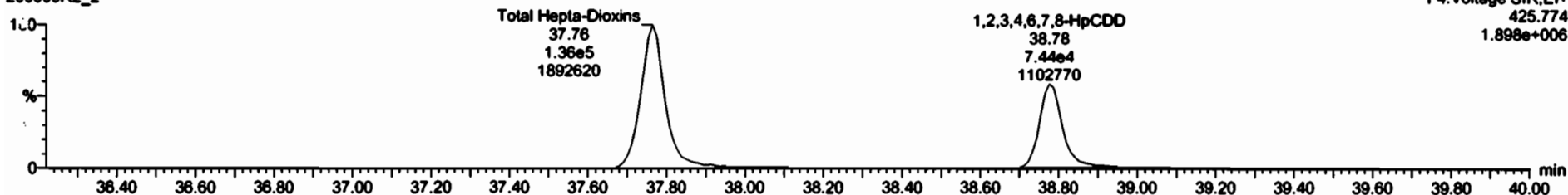
1,2,3,4,6,7,8-HpCDD

200605R2_2



F4:Voltage SIR,EI+
423.777
1.961e+006

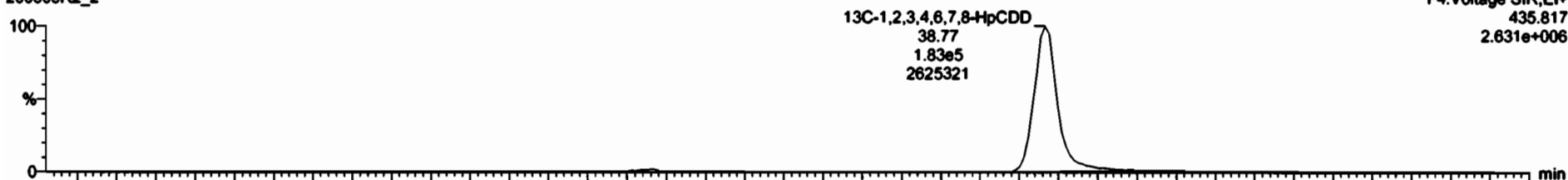
200605R2_2



F4:Voltage SIR,EI+
425.774
1.898e+006

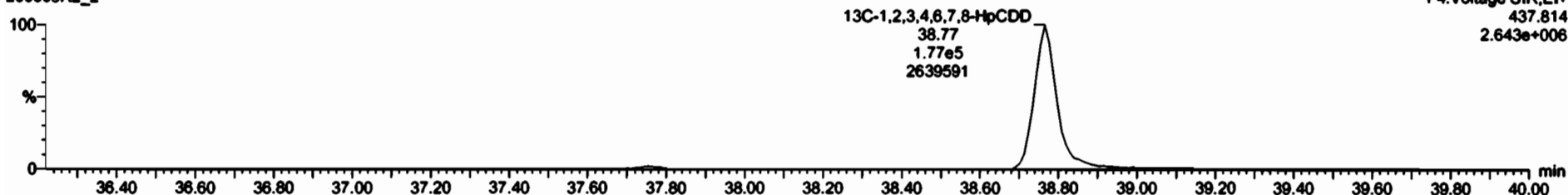
13C-1,2,3,4,6,7,8-HpCDD

200605R2_2



F4:Voltage SIR,EI+
435.817
2.631e+006

200605R2_2



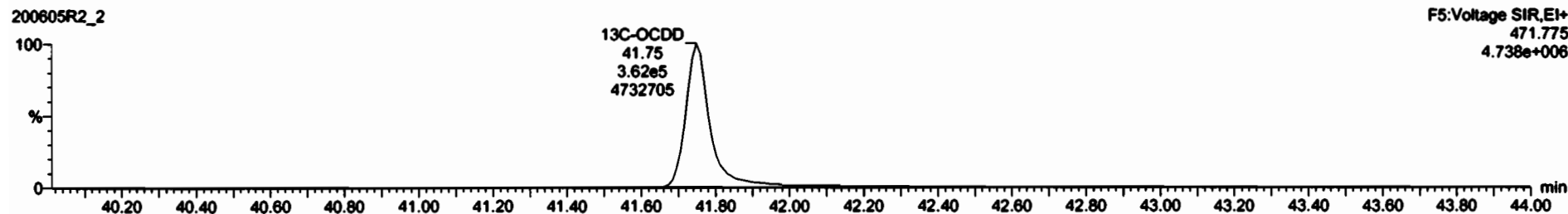
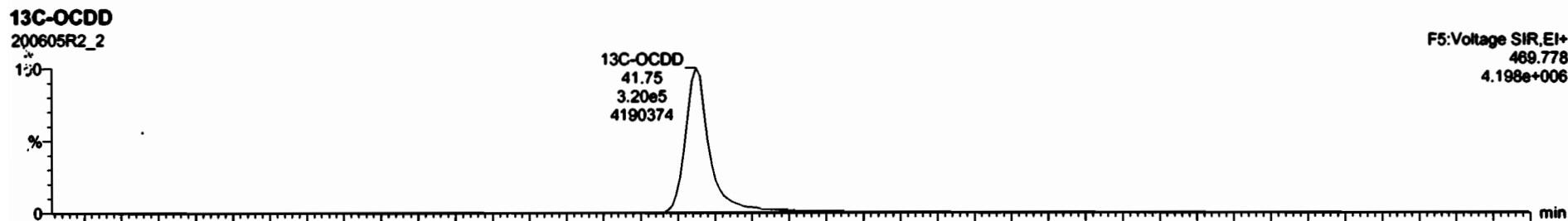
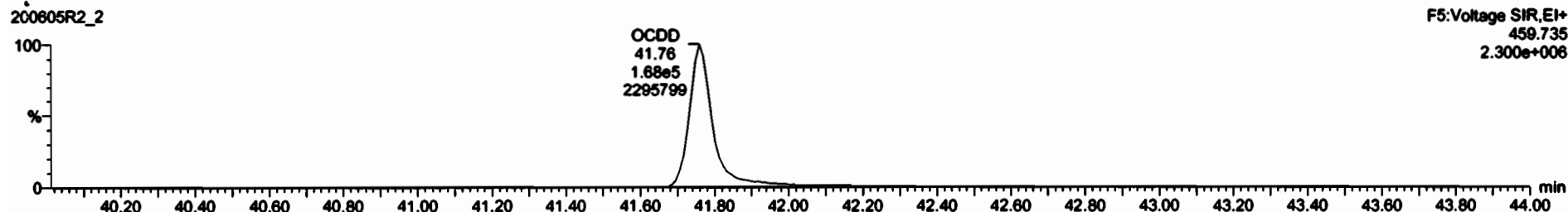
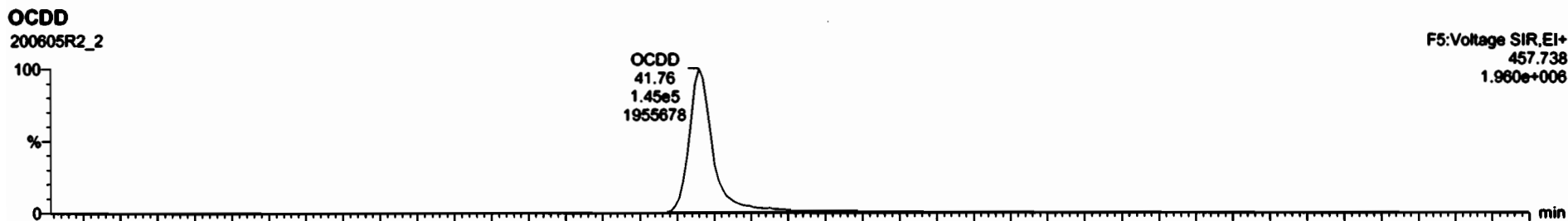
F4:Voltage SIR,EI+
437.814
2.643e+006

Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

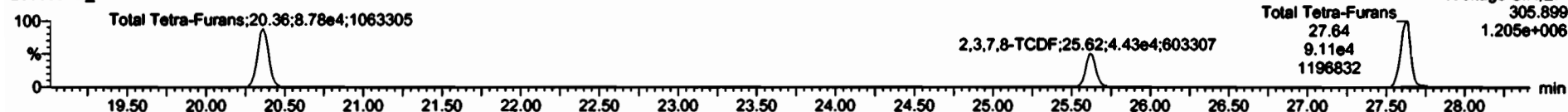
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2,3,7,8-TCDF

200605R2_2

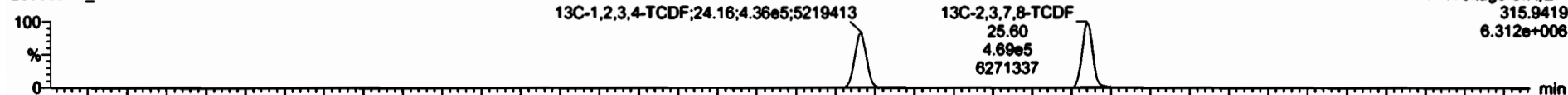


200605R2_2

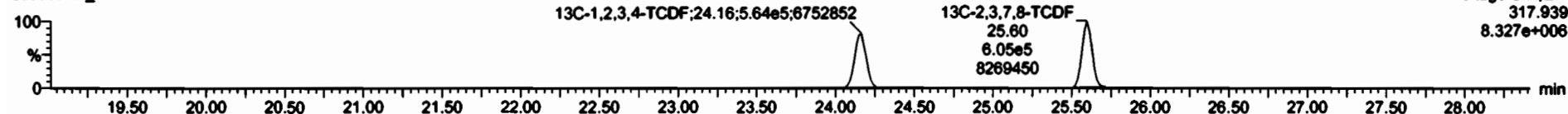


13C-2,3,7,8-TCDF

200605R2_2

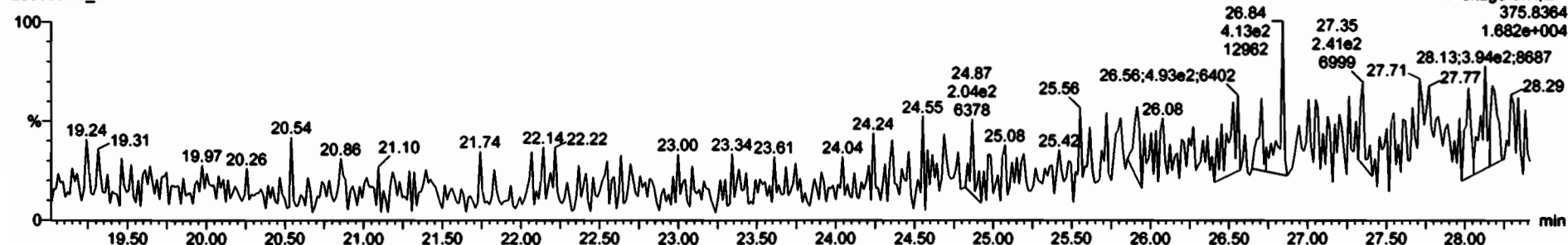


200605R2_2



DPE1

200605R2_2



Dataset: Untitled

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Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

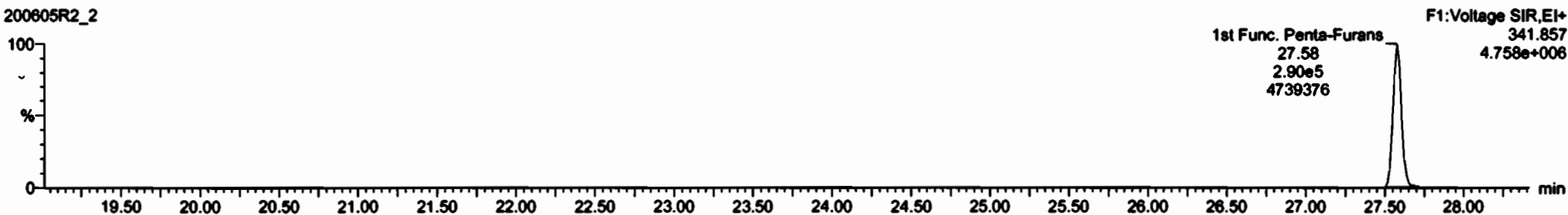
Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1st Func. Penta-Furans

200605R2_2

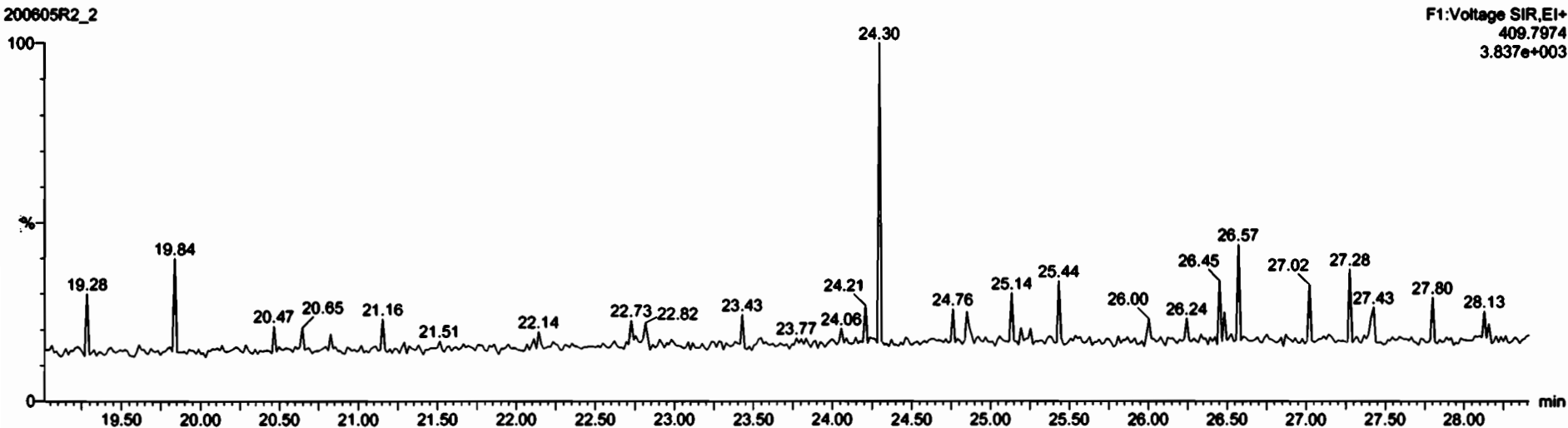


200605R2_2



DPE6

200605R2_2



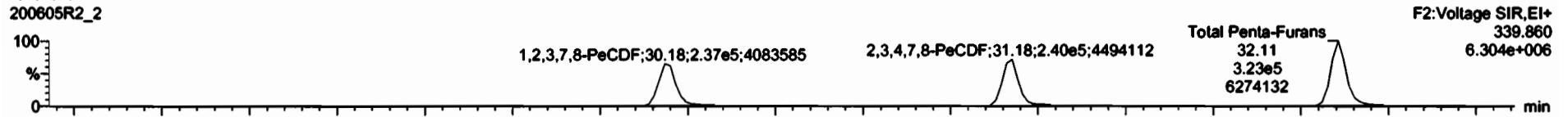
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Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

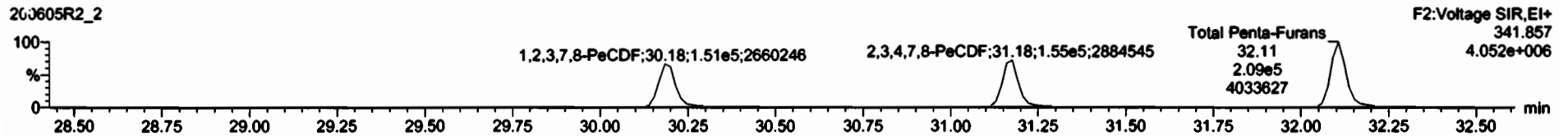
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1,2,3,7,8-PeCDF

200605R2_2

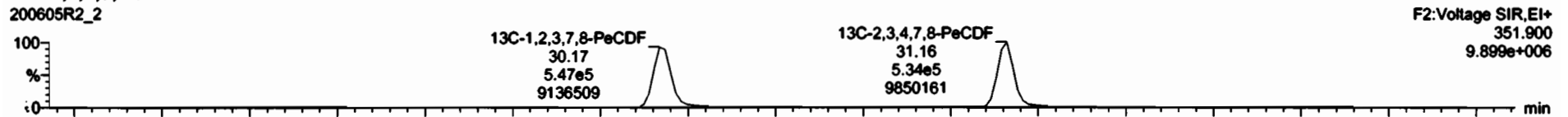


200605R2_2

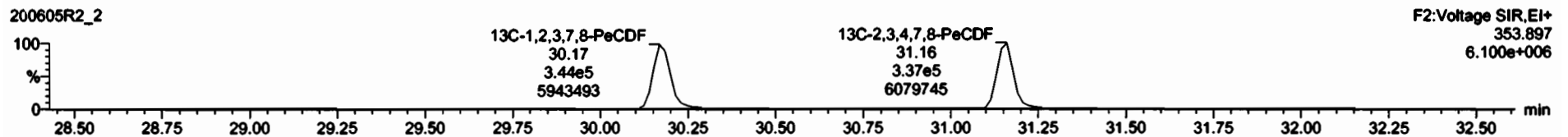


13C-1,2,3,7,8-PeCDF

200605R2_2

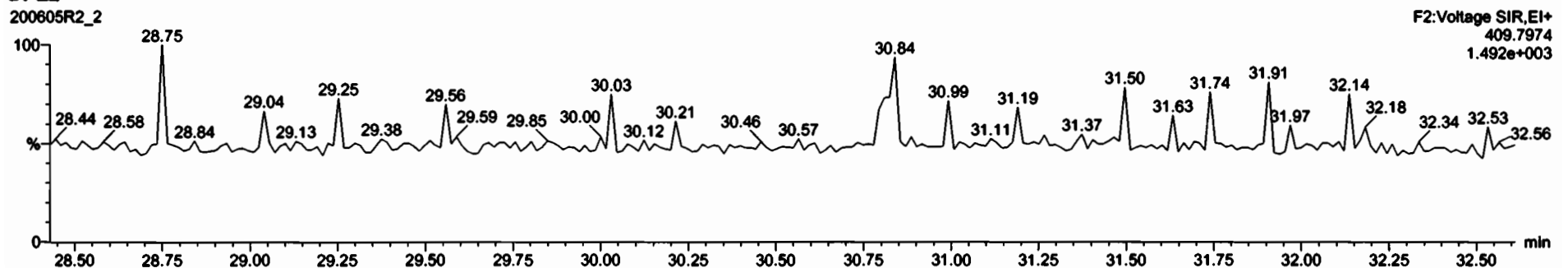


200605R2_2



DPE2

200605R2_2

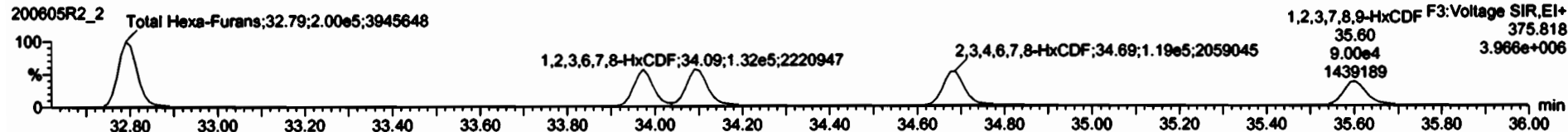
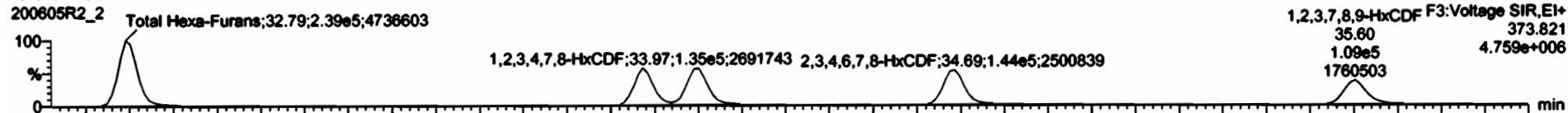


Dataset: Untitled

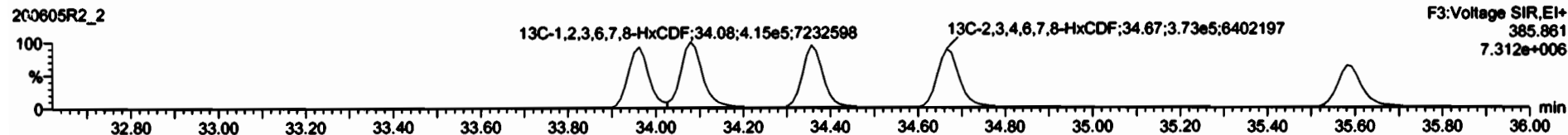
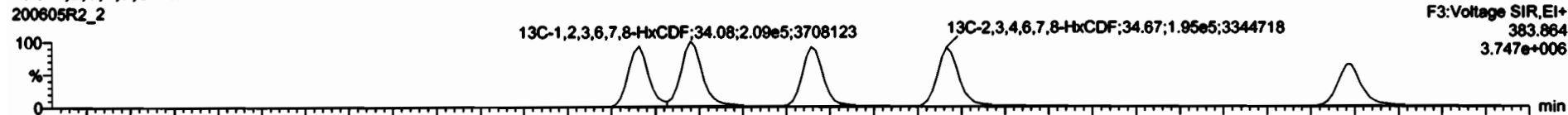
Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time
Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

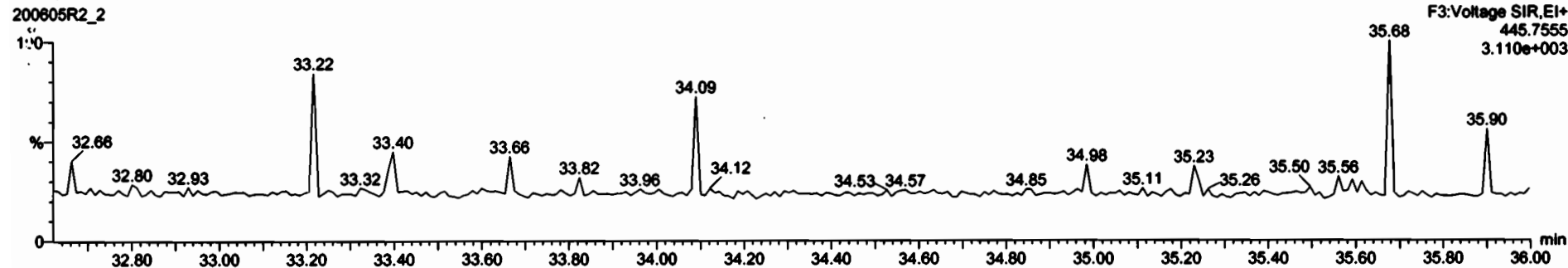
1,2,3,4,7,8-HxCDF



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



DPE3



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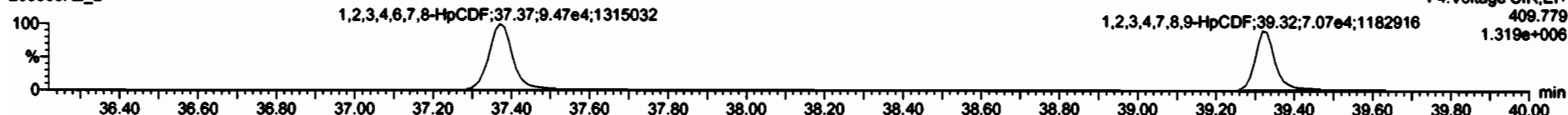
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200605R2_2



200605R2_2

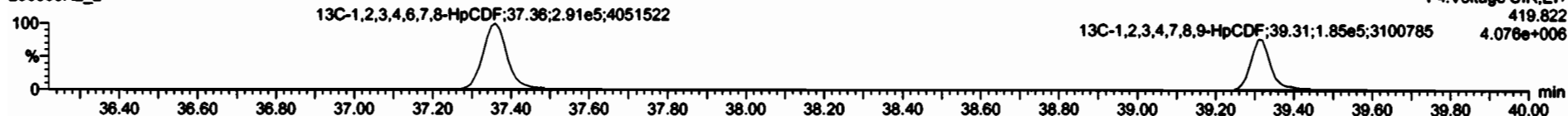


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200605R2_2

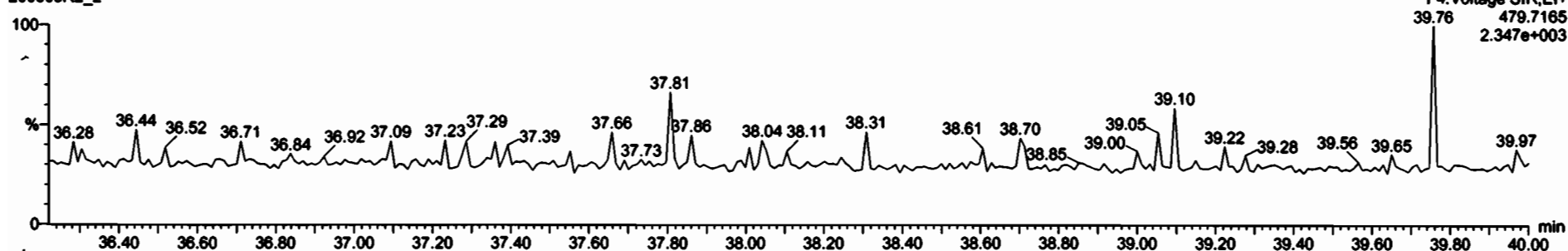


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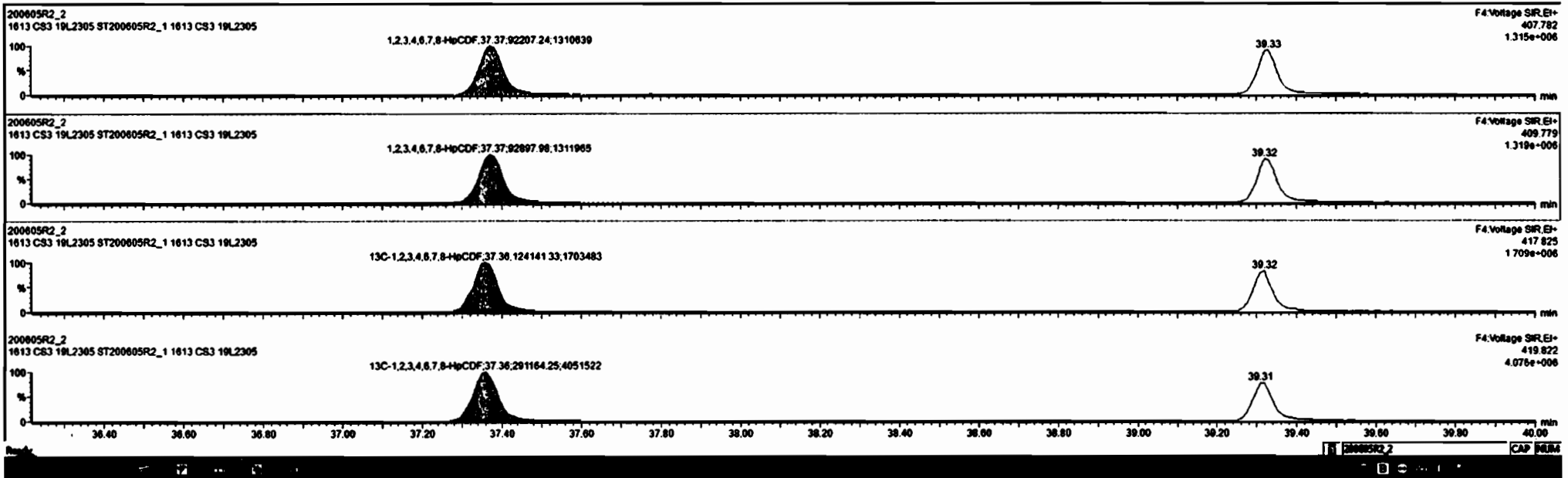


D:PE4

200605R2_2



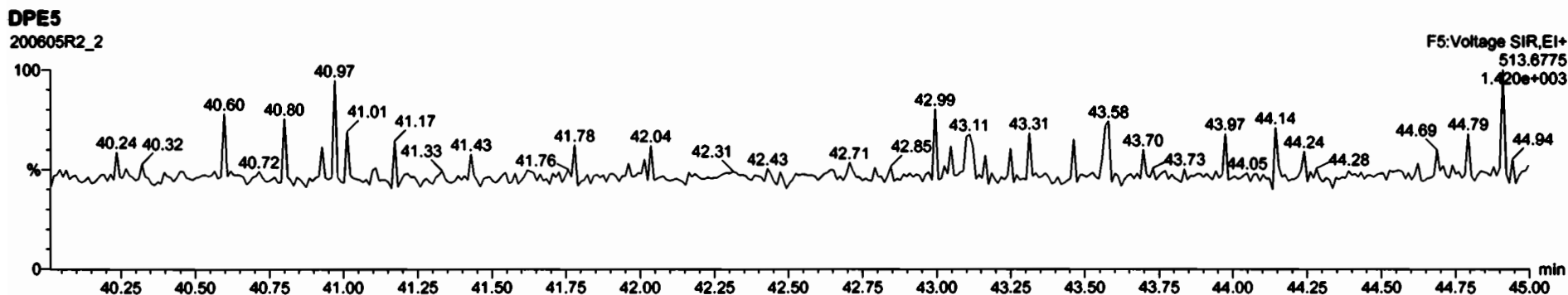
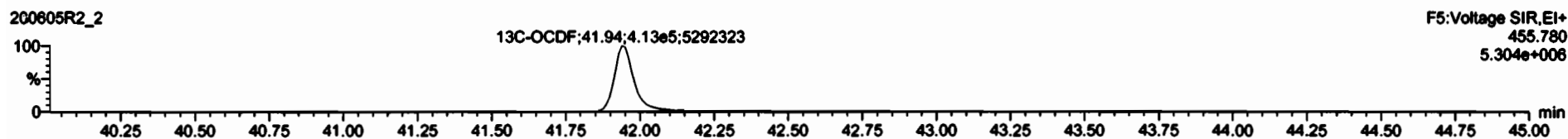
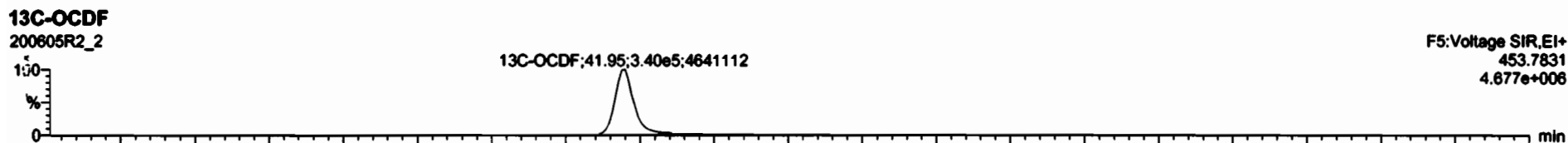
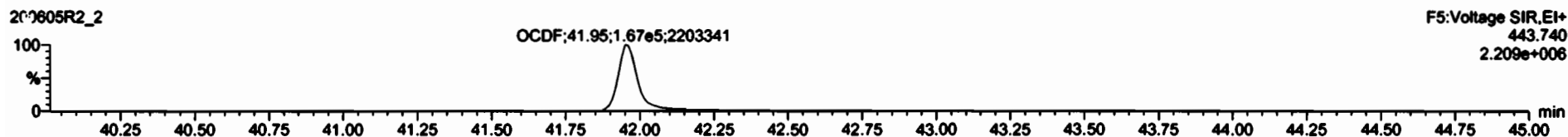
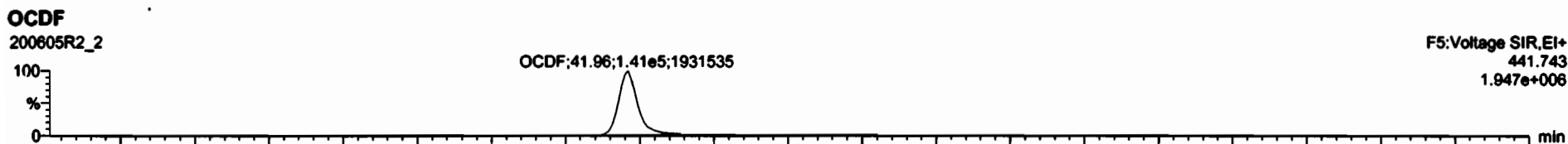
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1,2,3,7,8-PeCDD	2.83e5	0.62	NO	0.91	1.000	31.40	1.000	47.7	95.5	0.150	47.7
1,2,3,4,7,8-HxCDD	2.11e5	1.22	NO	1.93	1.000	34.85	1.000	48.6	97.2	0.200	48.0
1,2,3,6,7,8-HxCDD	2.33e5	1.22	NO	0.89	1.000	34.85	1.000	49.0	97.9	0.212	49.0
1,2,3,7,8-HxCDD	2.95e5	1.25	NO	0.89	1.000	36.24	1.001	48.4	96.8	0.252	48.4
1,2,3,4,6,7,8-HpCDD	1.98e6	1.02	NO	0.88	1.000	38.78	1.000	48.3	98.7	0.318	48.3
OCDD	3.13e5	0.88	NO	0.91	1.000	41.70	1.000	101	101	0.213	101
2,3,7,8-TCDF	7.70e4	0.74	NO	0.75	1.000	25.63	1.001	9.56	95.5	0.0550	9.56
1,2,3,7,8-PeCDF	3.87e5	1.57	NO	0.80	1.000	30.18	1.001	48.7	97.4	0.144	48.7
2,3,4,7,8-PeCDF	3.95e5	1.55	NO	0.93	1.000	31.18	1.000	48.3	98.9	0.120	48.5
1,2,3,4,7,8-HxCDF	2.48e5	1.19	NO	0.80	1.000	33.97	1.000	51.5	103	0.216	51.5
1,2,3,6,7,8-HxCDF	2.95e5	1.16	NO	0.80	1.000	34.10	1.001	51.3	103	0.201	51.3
2,3,4,6,7,8-HxCDF	2.83e5	1.21	NO	0.93	1.000	34.80	1.001	49.5	99.0	0.217	49.5
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1,2,3,4,7,8,9-HpCDF	1.40e5	0.99	NO	1.01	1.000	36.33	1.000	51.7	103	0.277	51.7
OCDF	3.97e5	0.84	NO	0.81	1.000	41.80	1.000	101	101	0.204	101
13C-2,3,7,8-TCDD	8.31e5	0.78	NO	1.16	1.000	26.50	1.025	102	102	0.185	
13C-1,2,3,7,8-PeCDD	6.96e5	0.63	NO	0.95	1.000	31.47	1.218	101	101	0.195	
13C-1,2,3,4,7,8-HxCDD	4.21e5	1.29	NO	0.78	1.000	34.84	1.014	98.4	98.4	0.304	
13C-1,2,3,6,7,8-HxCDD	5.35e5	1.27	NO	1.02	1.000	34.94	1.017	95.7	95.7	0.233	



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time
Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

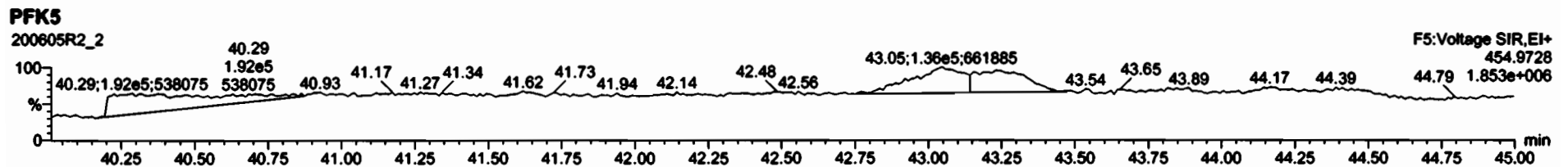
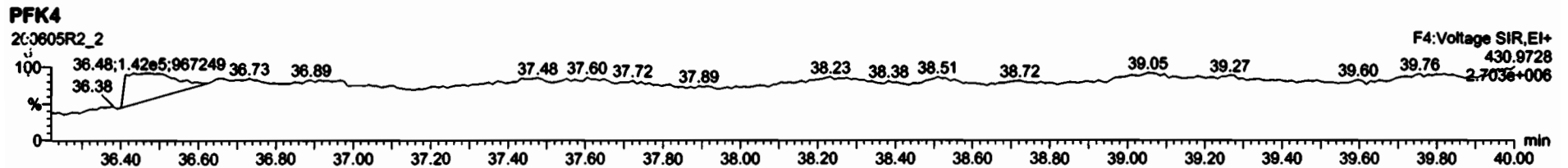
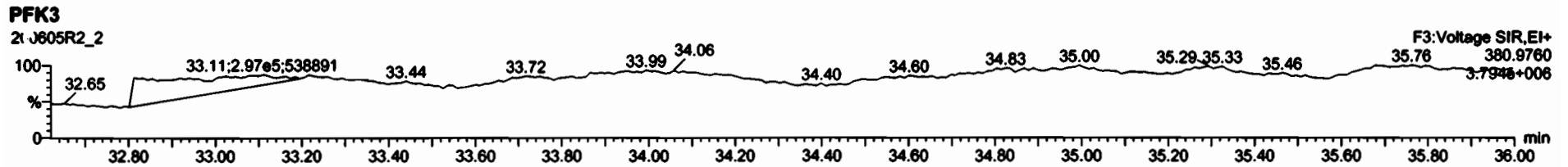
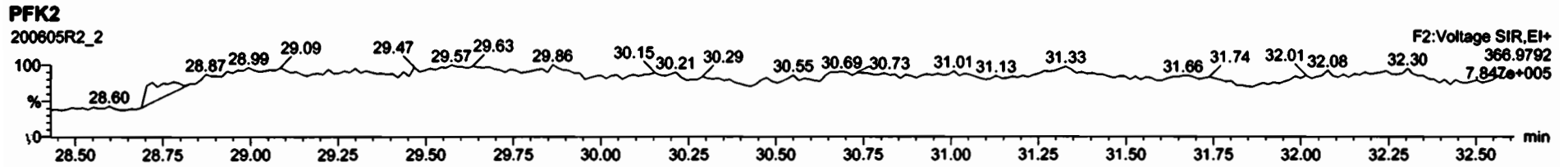
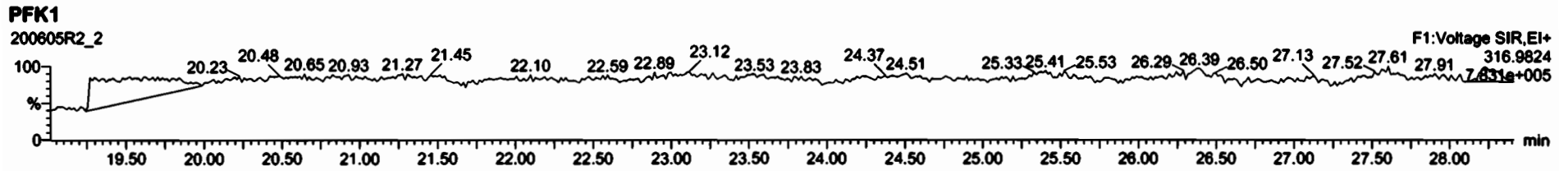
Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: Untitled

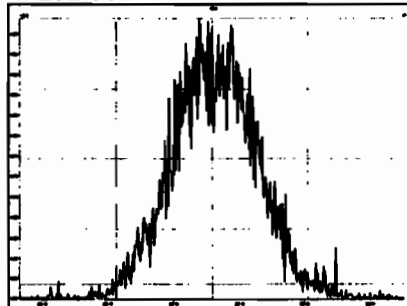
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Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

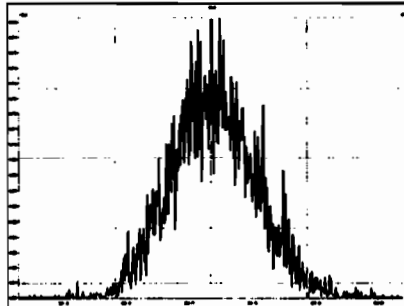


Printed: Saturday, June 06, 2020 11:37:26 Pacific Daylight Time

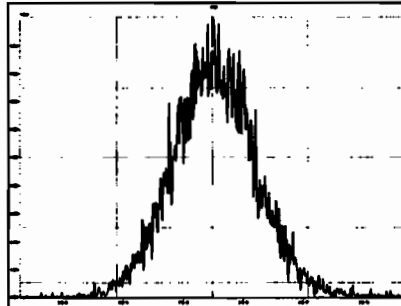
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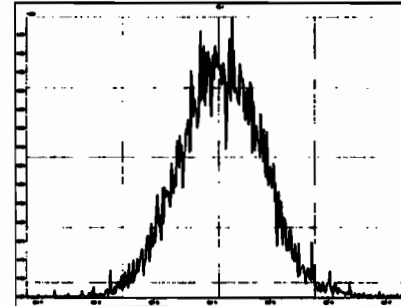
M 304.9824 R 12285



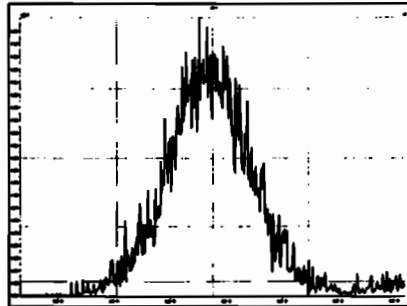
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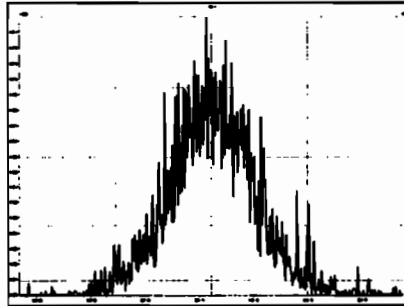
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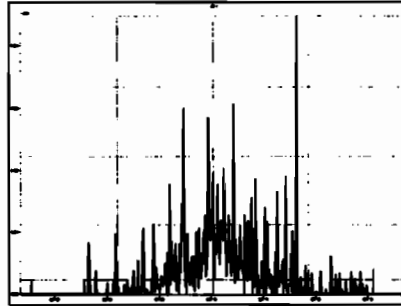
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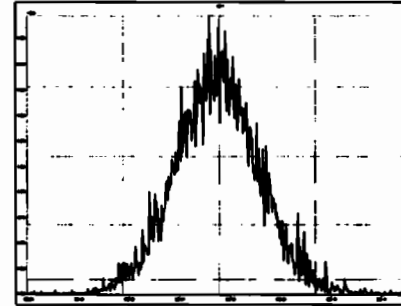
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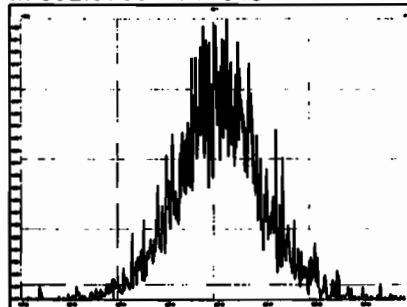
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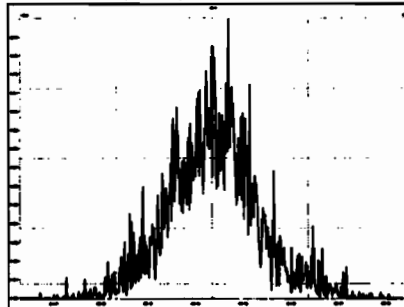
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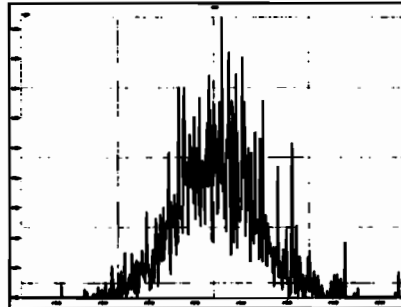
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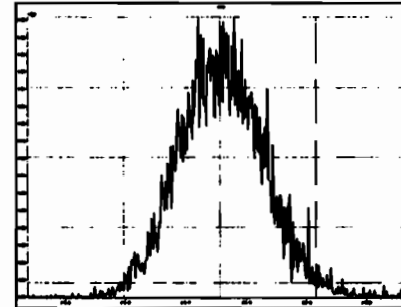
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M 416.9760 R 13654

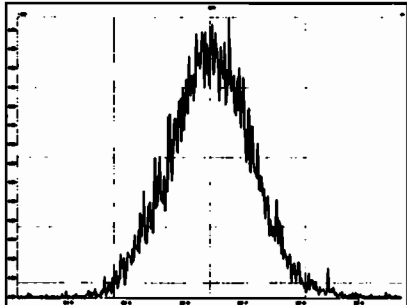


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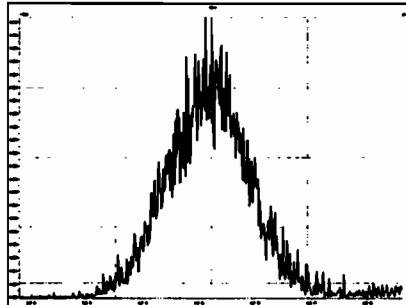


Printed: Saturday, June 06, 2020 11:37:26 Pacific Daylight Time

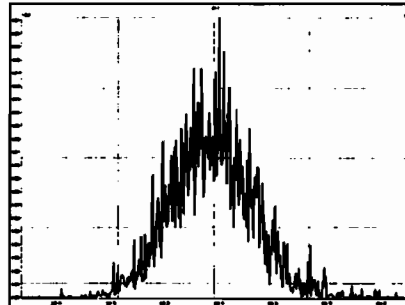
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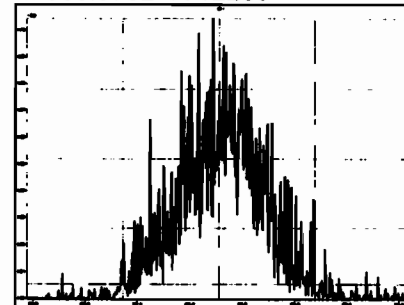
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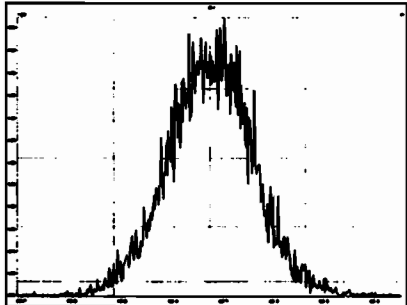
M 354.9792 R 11365



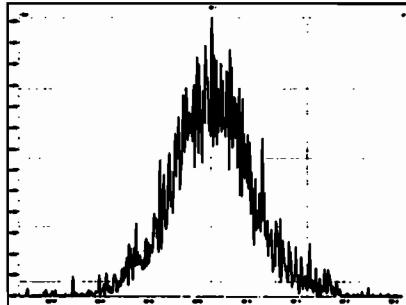
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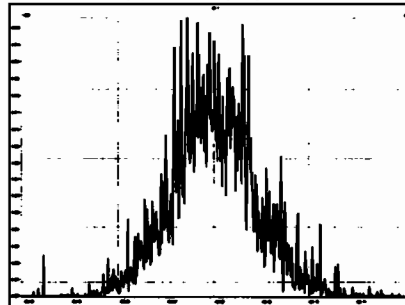
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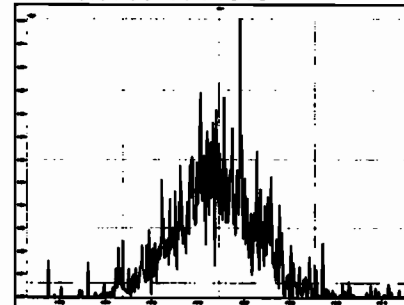
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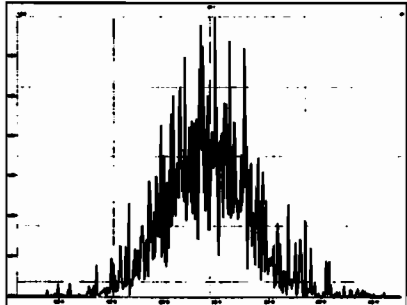
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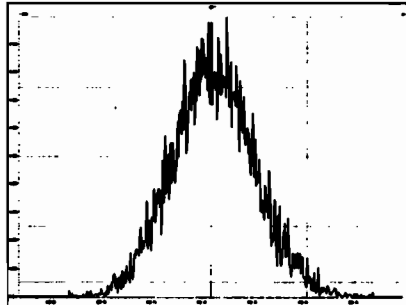
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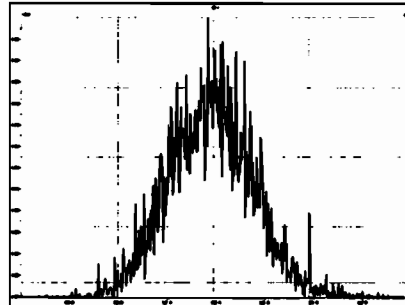
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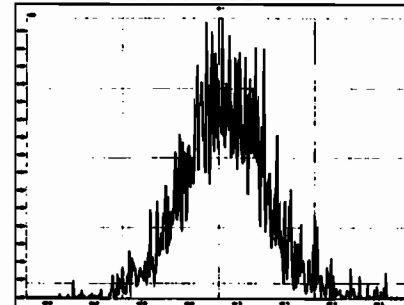
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M 392.9760 R 11598

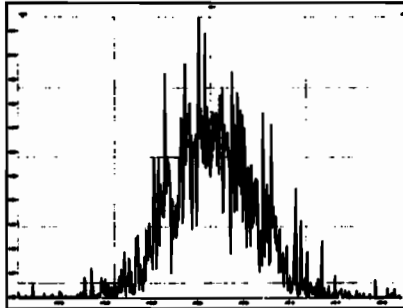


M 404.9760 R 12081

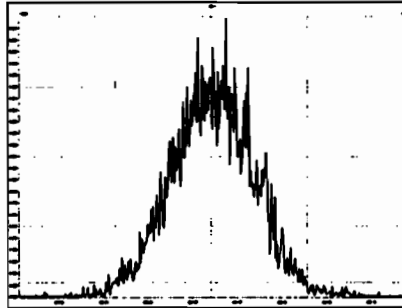


Printed: Saturday, June 06, 2020 11:37:26 Pacific Daylight Time

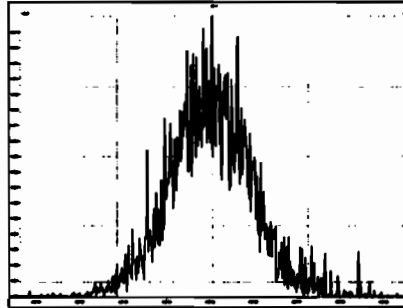
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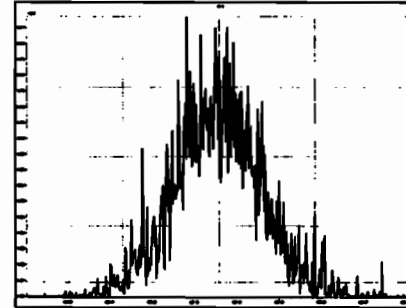
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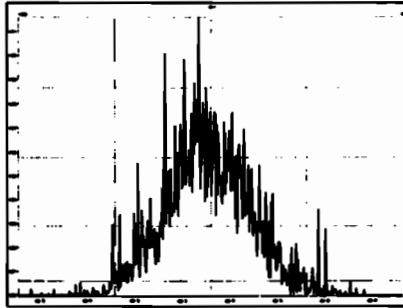
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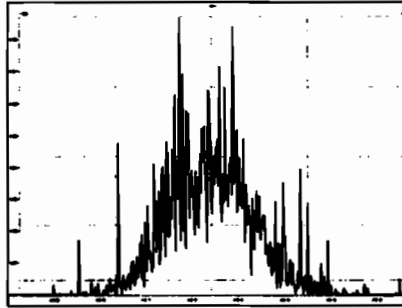
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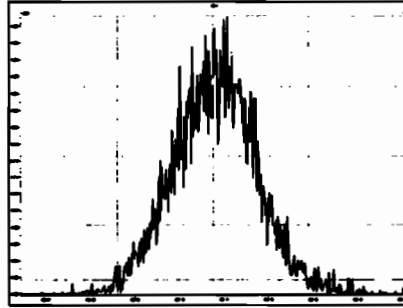
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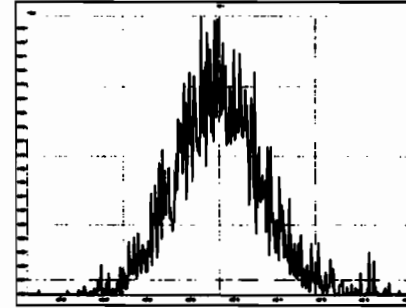
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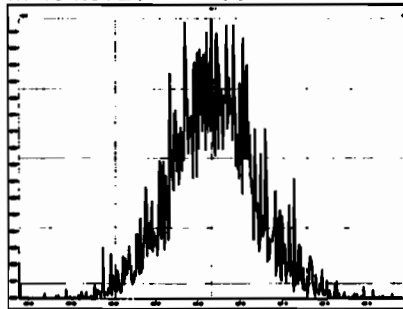
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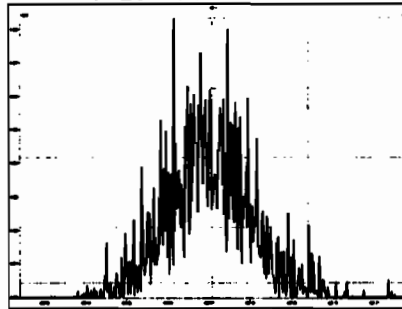
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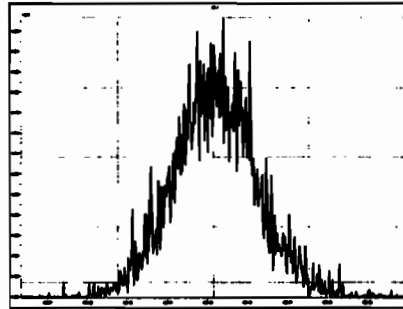
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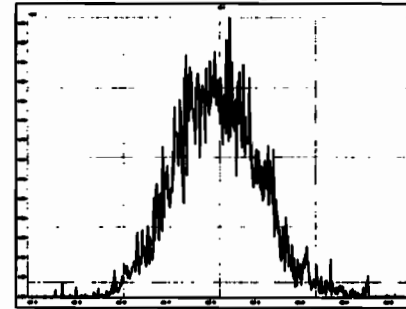
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M 480.9696 R 11261

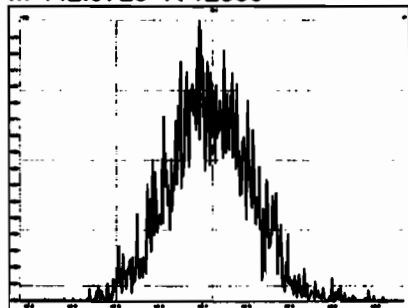


M 430.9728 R 10616

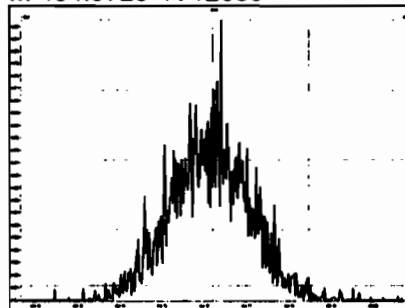


Printed: Saturday, June 06, 2020 11:37:26 Pacific Daylight Time

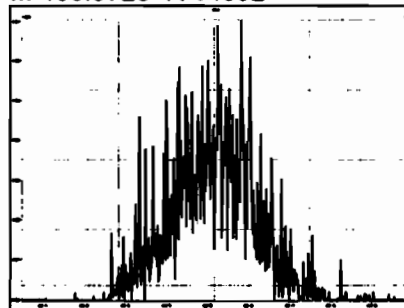
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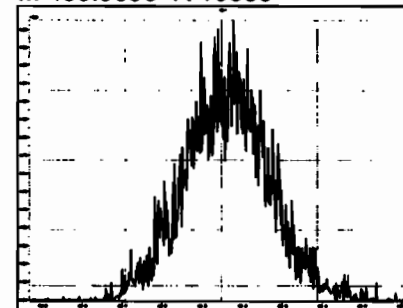
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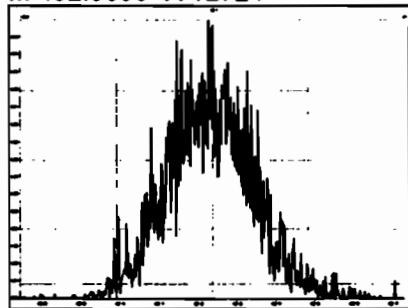
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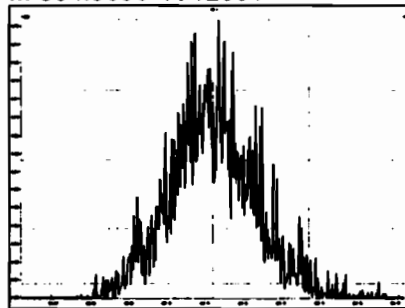
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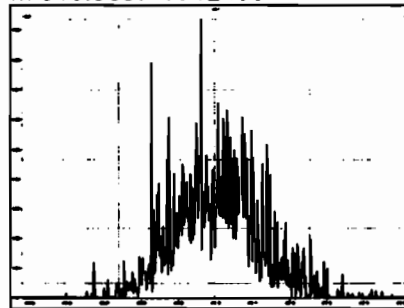
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M 504.9696 R 12351



M 516.9697 R 12438



INITIAL CALIBRATION

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld
 Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time
 Printed: Monday, March 09, 2020 17:23:44 Pacific Daylight Time

DB 3/9/20 C7 03/10/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 09 Mar 2020 11:30:34
 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Compound name: 2,3,7,8-TCDD

Response Factor: 0.986791
 RRF SD: 0.0674267, Relative SD: 6.83293
 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	200309D1_1	0.250	0.85	NO	25.88	1.001	1.59e2	6.81e4	0.237	-5.3	0.934	MM
2	200309D1_2	0.500	0.88	NO	25.85	1.000	3.14e2	6.95e4	0.457	-8.6	0.902	MM
3	200309D1_3	2.00	0.84	NO	25.88	1.001	1.33e3	6.75e4	1.99	-0.3	0.984	bb
4	200309D1_4	40.0	0.78	NO	25.90	1.001	2.62e4	6.74e4	39.3	-1.7	0.970	bb
5	200309D1_5	300	0.77	NO	25.90	1.001	2.32e5	7.20e4	327	9.1	1.08	db
6	200309D1_6	10.0	0.84	NO	25.90	1.001	5.95e3	5.65e4	10.7	6.7	1.05	db

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.982426
 RRF SD: 0.0451347, Relative SD: 4.59421
 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	200309D1_1	1.25	0.66	NO	30.47	1.000	6.61e2	5.66e4	1.19	-5.0	0.933	bb
2	200309D1_2	2.50	0.63	NO	30.47	1.000	1.30e3	5.32e4	2.49	-0.5	0.977	bb
3	200309D1_3	10.0	0.68	NO	30.47	1.000	5.19e3	5.49e4	9.61	-3.9	0.944	bb
4	200309D1_4	200	0.62	NO	30.49	1.001	1.12e5	5.55e4	205	2.7	1.01	bb
5	200309D1_5	1500	0.63	NO	30.49	1.001	9.76e5	6.16e4	1610	7.5	1.06	bb
6	200309D1_6	50.0	0.63	NO	30.49	1.001	2.35e4	4.81e4	49.6	-0.7	0.975	bb

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Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.17437

RRF SD: 0.0577382, Relative SD: 4.91652

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	200309D1_1	1.25	1.18	NO	33.75	1.000	6.45e2	4.51e4	1.22	-2.7	1.14	bd
2	200309D1_2	2.50	1.21	NO	33.76	1.000	1.19e3	4.27e4	2.37	-5.1	1.11	bd
3	200309D1_3	10.0	1.21	NO	33.76	1.001	5.25e3	4.33e4	10.3	3.2	1.21	bd
4	200309D1_4	200	1.27	NO	33.77	1.000	1.15e5	4.94e4	199	-0.5	1.17	bd
5	200309D1_5	1500	1.25	NO	33.76	1.000	1.01e6	5.28e4	1620	8.2	1.27	bd
6	200309D1_6	50.0	1.30	NO	33.77	1.000	2.32e4	4.08e4	48.4	-3.2	1.14	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.0362

RRF SD: 0.0515873, Relative SD: 4.9785

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	200309D1_1	1.25	1.28	NO	33.86	1.000	7.20e2	5.91e4	1.17	-6.0	0.974	db
2	200309D1_2	2.50	1.34	NO	33.86	1.000	1.47e3	5.50e4	2.58	3.0	1.07	db
3	200309D1_3	10.0	1.28	NO	33.86	1.000	5.81e3	5.52e4	10.2	1.5	1.05	db
4	200309D1_4	200	1.25	NO	33.88	1.000	1.24e5	5.99e4	199	-0.3	1.03	db
5	200309D1_5	1500	1.26	NO	33.87	1.000	1.05e6	6.33e4	1600	7.0	1.11	db
6	200309D1_6	50.0	1.22	NO	33.87	1.000	2.48e4	5.06e4	47.4	-5.2	0.982	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.00287

RRF SD: 0.0694501, Relative SD: 6.92514

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	200309D1_1	1.25	1.14	NO	34.15	1.000	6.16e2	5.38e4	1.14	-8.7	0.915	bb
2	200309D1_2	2.50	1.18	NO	34.16	1.000	1.32e3	5.16e4	2.55	1.8	1.02	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	200309D1_3	10.0	1.23	NO	34.16	1.000	5.12e3	5.22e4	9.77	-2.3	0.980	bb
4	200309D1_4	200	1.27	NO	34.17	1.000	1.18e5	5.76e4	204	1.9	1.02	bd
5	200309D1_5	1500	1.24	NO	34.16	1.000	1.01e6	6.01e4	1670	11.5	1.12	bb
6	200309D1_6	50.0	1.22	NO	34.17	1.001	2.27e4	4.73e4	47.9	-4.3	0.960	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.991554
 RRF SD: 0.0575038, Relative SD: 5.79936
 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	200309D1_1	1.25	1.12	NO	37.64	1.001	5.97e2	4.76e4	1.26	1.1	1.00	bb
2	200309D1_2	2.50	1.03	NO	37.65	1.001	1.03e3	4.11e4	2.54	1.5	1.01	bb
3	200309D1_3	10.0	1.06	NO	37.64	1.000	4.11e3	4.54e4	9.13	-8.7	0.905	bb
4	200309D1_4	200	1.07	NO	37.65	1.000	1.01e5	4.89e4	208	4.0	1.03	bd
5	200309D1_5	1500	1.03	NO	37.64	1.000	9.00e5	5.66e4	1600	7.0	1.06	bb
6	200309D1_6	50.0	1.03	NO	37.65	1.001	1.97e4	4.19e4	47.6	-4.9	0.943	bb

Compound name: OCDD

Response Factor: 1.03532
 RRF SD: 0.0416085, Relative SD: 4.01889
 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	200309D1_1	2.50	0.91	NO	40.83	1.000	9.32e2	7.50e4	2.40	-3.9	0.994	MM
2	200309D1_2	5.00	0.78	NO	40.85	1.000	1.85e3	6.85e4	5.23	4.6	1.08	bd
3	200309D1_3	20.0	0.98	NO	40.85	1.000	7.01e3	7.19e4	18.8	-5.8	0.975	bd
4	200309D1_4	400	0.93	NO	40.85	1.000	1.78e5	8.39e4	410	2.5	1.06	bd
5	200309D1_5	3000	0.89	NO	40.86	1.000	1.63e6	1.03e5	3040	1.4	1.05	bb
6	200309D1_6	100	0.91	NO	40.86	1.000	3.46e4	6.60e4	101	1.4	1.05	bd

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Compound name: 2,3,7,8-TCDF

Response Factor: 0.881772
 RRF SD: 0.0293286, Relative SD: 3.3261
 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	200309D1_1	0.250	0.66	NO	25.06	1.000	2.28e2	1.00e5	0.258	3.0	0.909	MM
2	200309D1_2	0.500	0.76	NO	25.06	1.001	4.83e2	1.06e5	0.514	2.8	0.907	MM
3	200309D1_3	2.00	0.88	NO	25.07	1.000	1.84e3	1.05e5	1.99	-0.6	0.876	MM
4	200309D1_4	40.0	0.74	NO	25.09	1.001	3.49e4	1.05e5	37.6	-6.0	0.829	bb
5	200309D1_5	300	0.76	NO	25.09	1.001	3.02e5	1.13e5	303	1.0	0.891	bb
6	200309D1_6	10.0	0.74	NO	25.07	1.001	7.83e3	8.90e4	9.97	-0.3	0.879	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 1.04525
 RRF SD: 0.0516323, Relative SD: 4.93972
 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	200309D1_1	1.25	1.46	NO	29.28	1.001	1.15e3	9.51e4	1.16	-7.6	0.966	bb
2	200309D1_2	2.50	1.57	NO	29.28	1.001	2.47e3	8.89e4	2.66	6.5	1.11	bb
3	200309D1_3	10.0	1.52	NO	29.28	1.001	9.45e3	9.31e4	9.71	-2.9	1.01	bb
4	200309D1_4	200	1.61	NO	29.30	1.001	1.99e5	9.40e4	203	1.3	1.06	bd
5	200309D1_5	1500	1.56	NO	29.30	1.001	1.61e6	9.94e4	1550	3.4	1.08	bb
6	200309D1_6	50.0	1.62	NO	29.28	1.000	3.93e4	7.57e4	49.7	-0.7	1.04	bd

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.06003
 RRF SD: 0.0406821, Relative SD: 3.83782
 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	200309D1_1	1.25	1.66	NO	30.19	1.001	1.25e3	9.11e4	1.30	3.6	1.10	bb
2	200309D1_2	2.50	1.72	NO	30.19	1.000	2.10e3	8.35e4	2.38	-5.0	1.01	bb

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	10.0	1.59	NO	30.19	1.001	9.41e3	8.81e4	10.1	0.8	1.07	bb
4	200309D1_4	200	1.60	NO	30.21	1.001	1.95e5	9.25e4	199	-0.4	1.06	bb
5	200309D1_5	1500	1.56	NO	30.19	1.000	1.64e6	9.85e4	1570	4.6	1.11	bb
6	200309D1_6	50.0	1.59	NO	30.19	1.000	3.92e4	7.68e4	48.2	-3.7	1.02	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.08299

RRF SD: 0.038965, Relative SD: 3.59793

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	200309D1_1	1.25	1.27	NO	32.87	1.000	9.32e2	7.17e4	1.20	-3.9	1.04	bd
2	200309D1_2	2.50	1.18	NO	32.89	1.000	1.90e3	6.72e4	2.61	4.3	1.13	bd
3	200309D1_3	10.0	1.24	NO	32.89	1.001	7.56e3	6.92e4	10.1	0.8	1.09	bd
4	200309D1_4	200	1.25	NO	32.90	1.000	1.60e5	7.40e4	200	-0.1	1.08	dd
5	200309D1_5	1500	1.24	NO	32.89	1.000	1.35e6	8.03e4	1550	3.3	1.12	dd
6	200309D1_6	50.0	1.27	NO	32.90	1.001	3.35e4	6.48e4	47.8	-4.4	1.04	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.04248

RRF SD: 0.0426252, Relative SD: 4.08882

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	200309D1_1	1.25	1.22	NO	33.01	1.001	9.80e2	8.01e4	1.17	-6.1	0.979	db
2	200309D1_2	2.50	1.28	NO	33.02	1.001	1.97e3	7.44e4	2.54	1.6	1.06	db
3	200309D1_3	10.0	1.24	NO	33.01	1.000	8.06e3	7.79e4	9.92	-0.8	1.03	db
4	200309D1_4	200	1.25	NO	33.02	1.000	1.76e5	8.37e4	201	0.7	1.05	db
5	200309D1_5	1500	1.25	NO	33.02	1.001	1.46e6	8.80e4	1590	6.3	1.11	db
6	200309D1_6	50.0	1.26	NO	33.02	1.001	3.62e4	7.06e4	49.2	-1.7	1.02	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.11095

RRF SD: 0.0463148, Relative SD: 4.16894

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	200309D1_1	1.25	1.18	NO	33.59	1.000	9.35e2	7.20e4	1.17	-6.5	1.04	bb
2	200309D1_2	2.50	1.26	NO	33.60	1.000	1.86e3	6.61e4	2.53	1.3	1.13	bb
3	200309D1_3	10.0	1.25	NO	33.59	1.000	7.62e3	7.02e4	9.77	-2.3	1.09	bb
4	200309D1_4	200	1.26	NO	33.61	1.000	1.69e5	7.56e4	202	0.8	1.12	bb
5	200309D1_5	1500	1.24	NO	33.60	1.001	1.42e6	8.06e4	1590	6.0	1.18	bb
6	200309D1_6	50.0	1.27	NO	33.60	1.000	3.50e4	6.26e4	50.3	0.7	1.12	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.05671

RRF SD: 0.0544012, Relative SD: 5.14816

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	200309D1_1	1.25	1.16	NO	34.53	1.001	7.41e2	5.94e4	1.18	-5.5	0.999	MM
2	200309D1_2	2.50	1.24	NO	34.53	1.001	1.40e3	5.56e4	2.37	-5.0	1.00	bb
3	200309D1_3	10.0	1.24	NO	34.53	1.001	6.08e3	5.62e4	10.2	2.4	1.08	bb
4	200309D1_4	200	1.24	NO	34.53	1.000	1.35e5	6.28e4	204	1.8	1.08	bb
5	200309D1_5	1500	1.24	NO	34.53	1.001	1.16e6	6.79e4	1620	8.1	1.14	bb
6	200309D1_6	50.0	1.29	NO	34.53	1.000	2.76e4	5.32e4	49.1	-1.8	1.04	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.12811

RRF SD: 0.0801215, Relative SD: 7.10229

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	200309D1_1	1.25	0.99	NO	36.32	1.001	7.86e2	6.36e4	1.10	-12.3	0.989	bb
2	200309D1_2	2.50	0.99	NO	36.34	1.001	1.64e3	5.53e4	2.63	5.1	1.19	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	200309D1_3	10.0	0.98	NO	36.34	1.001	6.50e3	5.84e4	9.87	-1.3	1.11	bb
4	200309D1_4	200	1.01	NO	36.34	1.000	1.41e5	6.29e4	199	-0.3	1.12	bb
5	200309D1_5	1500	1.04	NO	36.34	1.001	1.26e6	6.88e4	1630	8.5	1.22	bb
6	200309D1_6	50.0	1.03	NO	36.34	1.000	2.92e4	5.16e4	50.2	0.3	1.13	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.33317

RRF SD: 0.0694325, Relative SD: 5.20809

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	200309D1_1	1.25	0.90	NO	38.15	1.000	6.45e2	4.04e4	1.20	-4.2	1.28	MM
2	200309D1_2	2.50	0.91	NO	38.15	1.000	1.25e3	3.60e4	2.60	4.1	1.39	bb
3	200309D1_3	10.0	1.13	NO	38.16	1.000	5.08e3	3.98e4	9.58	-4.2	1.28	bb
4	200309D1_4	200	1.03	NO	38.16	1.000	1.18e5	4.51e4	196	-1.9	1.31	bb
5	200309D1_5	1500	1.03	NO	38.16	1.000	1.08e6	4.99e4	1630	8.6	1.45	bb
6	200309D1_6	50.0	1.01	NO	38.16	1.000	2.39e4	3.67e4	48.8	-2.3	1.30	bb

Compound name: OCDF

Response Factor: 0.932771

RRF SD: 0.056358, Relative SD: 6.04199

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	200309D1_1	2.50	1.01	NO	41.05	1.000	1.07e3	1.01e5	2.26	-9.6	0.843	MM
2	200309D1_2	5.00	0.92	NO	41.06	1.000	1.94e3	8.54e4	4.86	-2.7	0.907	bb
3	200309D1_3	20.0	0.93	NO	41.07	1.000	8.47e3	9.16e4	19.8	-0.9	0.924	bb
4	200309D1_4	400	0.89	NO	41.07	1.000	2.16e5	1.10e5	419	4.7	0.977	bb
5	200309D1_5	3000	0.90	NO	41.08	1.000	1.90e6	1.26e5	3230	7.6	1.00	bb
6	200309D1_6	100	0.90	NO	41.07	1.000	3.98e4	8.45e4	101	0.9	0.941	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.20655
 RRF SD: 0.128513, Relative SD: 10.6512
 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	200309D1_1	100	0.74	NO	25.85	1.022	6.81e4	4.86e4	116	16.1	1.40	bb
2	200309D1_2	100	0.75	NO	25.85	1.023	6.95e4	6.31e4	91.3	-8.7	1.10	bb
3	200309D1_3	100	0.76	NO	25.87	1.023	6.75e4	6.45e4	86.8	-13.2	1.05	bb
4	200309D1_4	100	0.80	NO	25.87	1.023	6.74e4	5.33e4	105	4.7	1.26	bb
5	200309D1_5	100	0.74	NO	25.88	1.023	7.20e4	5.70e4	105	4.7	1.26	bb
6	200309D1_6	100	0.75	NO	25.87	1.023	5.65e4	4.86e4	96.3	-3.7	1.16	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.995685
 RRF SD: 0.128012, Relative SD: 12.8567
 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	200309D1_1	100	0.63	NO	30.47	1.205	5.66e4	4.86e4	117	17.0	1.17	bb
2	200309D1_2	100	0.64	NO	30.47	1.206	5.32e4	6.31e4	84.7	-15.3	0.844	bd
3	200309D1_3	100	0.63	NO	30.47	1.205	5.49e4	6.45e4	85.6	-14.4	0.852	bb
4	200309D1_4	100	0.62	NO	30.47	1.205	5.55e4	5.33e4	105	4.6	1.04	bb
5	200309D1_5	100	0.62	NO	30.47	1.204	6.16e4	5.70e4	109	8.6	1.08	bb
6	200309D1_6	100	0.64	NO	30.47	1.205	4.81e4	4.86e4	99.4	-0.6	0.990	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.678621
 RRF SD: 0.0705651, Relative SD: 10.3983
 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	200309D1_1	100	1.29	NO	33.74	1.014	4.51e4	6.21e4	107	7.1	0.727	bd
2	200309D1_2	100	1.28	NO	33.75	1.015	4.27e4	7.06e4	89.1	-10.9	0.605	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	200309D1_3	100	1.31	NO	33.74	1.014	4.33e4	7.46e4	85.6	-14.4	0.581	bd
4	200309D1_4	100	1.30	NO	33.76	1.014	4.94e4	6.86e4	106	6.1	0.720	bd
5	200309D1_5	100	1.31	NO	33.75	1.014	5.28e4	7.00e4	111	11.2	0.755	bd
6	200309D1_6	100	1.30	NO	33.76	1.015	4.08e4	5.96e4	101	0.9	0.685	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.849636
 RRF SD: 0.0787027, Relative SD: 9.26311
 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	200309D1_1	100	1.40	NO	33.85	1.017	5.91e4	6.21e4	112	12.1	0.952	dd
2	200309D1_2	100	1.28	NO	33.86	1.018	5.50e4	7.06e4	91.7	-8.3	0.779	dd
3	200309D1_3	100	1.34	NO	33.85	1.017	5.52e4	7.46e4	87.1	-12.9	0.740	dd
4	200309D1_4	100	1.39	NO	33.87	1.017	5.99e4	6.86e4	103	2.8	0.873	dd
5	200309D1_5	100	1.27	NO	33.86	1.017	6.33e4	7.00e4	106	6.4	0.904	db
6	200309D1_6	100	1.28	NO	33.86	1.017	5.06e4	5.96e4	99.9	-0.1	0.849	dd

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.798357
 RRF SD: 0.0695869, Relative SD: 8.71626
 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	200309D1_1	100	1.39	NO	34.14	1.026	5.38e4	6.21e4	109	8.6	0.867	dd
2	200309D1_2	100	1.30	NO	34.15	1.026	5.16e4	7.06e4	91.6	-8.4	0.731	dd
3	200309D1_3	100	1.32	NO	34.15	1.026	5.22e4	7.46e4	87.7	-12.3	0.700	dd
4	200309D1_4	100	1.37	NO	34.16	1.026	5.76e4	6.86e4	105	5.2	0.840	dd
5	200309D1_5	100	1.32	NO	34.15	1.026	6.01e4	7.00e4	108	7.6	0.859	bd
6	200309D1_6	100	1.29	NO	34.15	1.026	4.73e4	5.96e4	99.4	-0.6	0.793	dd

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

Response Factor: 0.696902

RRF SD: 0.0877249, Relative SD: 12.5878

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	200309D1_1	100	1.07	NO	37.61	1.131	4.76e4	6.21e4	110	10.1	0.767	bd
2	200309D1_2	100	1.10	NO	37.63	1.131	4.11e4	7.06e4	83.6	-16.4	0.582	bd
3	200309D1_3	100	1.09	NO	37.63	1.131	4.54e4	7.46e4	87.4	-12.6	0.609	bd
4	200309D1_4	100	1.06	NO	37.64	1.131	4.89e4	6.86e4	102	2.2	0.712	bd
5	200309D1_5	100	1.07	NO	37.63	1.131	5.66e4	7.00e4	116	16.0	0.808	bd
6	200309D1_6	100	1.09	NO	37.63	1.131	4.19e4	5.96e4	101	0.8	0.703	bd

Compound name: 13C-OCDD

Response Factor: 0.579001

RRF SD: 0.095468, Relative SD: 16.4884

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	200309D1_1	200	0.94	NO	40.82	1.227	7.50e4	6.21e4	209	4.3	0.604	bd
2	200309D1_2	200	0.88	NO	40.84	1.228	6.85e4	7.06e4	168	-16.2	0.485	bd
3	200309D1_3	200	0.87	NO	40.84	1.228	7.19e4	7.46e4	167	-16.7	0.482	bd
4	200309D1_4	200	0.89	NO	40.84	1.227	8.39e4	6.86e4	211	5.5	0.611	bb
5	200309D1_5	200	0.90	NO	40.85	1.228	1.03e5	7.00e4	255	27.4	0.738	bd
6	200309D1_6	200	0.90	NO	40.85	1.228	6.60e4	5.96e4	191	-4.4	0.554	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.12702

RRF SD: 0.101934, Relative SD: 9.04461

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	200309D1_1	100	0.77	NO	25.06	0.991	1.00e5	8.02e4	111	11.1	1.25	bb
2	200309D1_2	100	0.79	NO	25.04	0.991	1.06e5	1.00e5	94.3	-5.7	1.06	bd

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Compound name: 13C-2,3,7,8-TCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	100	0.79	NO	25.07	0.992	1.05e5	1.08e5	86.3	-13.7	0.972	bd
4	200309D1_4	100	0.77	NO	25.07	0.992	1.05e5	8.88e4	105	5.1	1.18	bd
5	200309D1_5	100	0.75	NO	25.07	0.991	1.13e5	9.48e4	106	5.7	1.19	bd
6	200309D1_6	100	0.77	NO	25.06	0.991	8.90e4	8.10e4	97.4	-2.6	1.10	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.996069

RRF SD: 0.123213, Relative SD: 12.3699

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	200309D1_1	100	1.63	NO	29.26	1.157	9.51e4	8.02e4	119	19.0	1.18	bd
2	200309D1_2	100	1.66	NO	29.26	1.158	8.89e4	1.00e5	89.1	-10.9	0.888	bd
3	200309D1_3	100	1.71	NO	29.26	1.157	9.31e4	1.08e5	86.6	-13.4	0.862	bd
4	200309D1_4	100	1.56	NO	29.28	1.158	9.40e4	8.88e4	106	6.3	1.06	bb
5	200309D1_5	100	1.62	NO	29.28	1.157	9.94e4	9.48e4	105	5.3	1.05	bb
6	200309D1_6	100	1.58	NO	29.28	1.158	7.57e4	8.10e4	93.8	-6.2	0.934	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.969008

RRF SD: 0.126598, Relative SD: 13.0647

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	200309D1_1	100	1.61	NO	30.17	1.193	9.11e4	8.02e4	117	17.1	1.14	bb
2	200309D1_2	100	1.68	NO	30.19	1.194	8.35e4	1.00e5	86.1	-13.9	0.834	bb
3	200309D1_3	100	1.64	NO	30.17	1.193	8.81e4	1.08e5	84.1	-15.9	0.815	bb
4	200309D1_4	100	1.61	NO	30.19	1.194	9.25e4	8.88e4	108	7.6	1.04	bb
5	200309D1_5	100	1.65	NO	30.19	1.193	9.85e4	9.48e4	107	7.2	1.04	bb
6	200309D1_6	100	1.61	NO	30.19	1.194	7.68e4	8.10e4	97.9	-2.1	0.948	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.05776

RRF SD: 0.0965106, Relative SD: 9.12401

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	200309D1_1	100	0.49	NO	32.86	0.988	7.17e4	6.21e4	109	9.1	1.15	bd
2	200309D1_2	100	0.50	NO	32.87	0.988	6.72e4	7.06e4	90.0	-10.0	0.952	bd
3	200309D1_3	100	0.52	NO	32.86	0.988	6.92e4	7.46e4	87.8	-12.2	0.928	bd
4	200309D1_4	100	0.50	NO	32.89	0.988	7.40e4	6.86e4	102	2.0	1.08	bd
5	200309D1_5	100	0.49	NO	32.87	0.988	8.03e4	7.00e4	108	8.5	1.15	bd
6	200309D1_6	100	0.50	NO	32.87	0.988	6.48e4	5.96e4	103	2.8	1.09	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.17529

RRF SD: 0.103469, Relative SD: 8.80369

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	200309D1_1	100	0.49	NO	32.98	0.991	8.01e4	6.21e4	110	9.8	1.29	db
2	200309D1_2	100	0.51	NO	32.99	0.992	7.44e4	7.06e4	89.7	-10.3	1.05	db
3	200309D1_3	100	0.50	NO	32.99	0.992	7.79e4	7.46e4	88.9	-11.1	1.04	db
4	200309D1_4	100	0.51	NO	33.01	0.991	8.37e4	6.86e4	104	3.7	1.22	dd
5	200309D1_5	100	0.51	NO	32.99	0.991	8.80e4	7.00e4	107	7.0	1.26	db
6	200309D1_6	100	0.50	NO	33.00	0.991	7.06e4	5.96e4	101	0.9	1.19	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.05681

RRF SD: 0.0990019, Relative SD: 9.36796

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	200309D1_1	100	0.50	NO	33.58	1.009	7.20e4	6.21e4	110	9.8	1.16	bb
2	200309D1_2	100	0.50	NO	33.59	1.010	6.61e4	7.06e4	88.7	-11.3	0.937	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	200309D1_3	100	0.49	NO	33.58	1.009	7.02e4	7.46e4	89.1	-10.9	0.942	bd
4	200309D1_4	100	0.51	NO	33.60	1.009	7.56e4	6.86e4	104	4.2	1.10	bd
5	200309D1_5	100	0.51	NO	33.58	1.009	8.06e4	7.00e4	109	8.9	1.15	bb
6	200309D1_6	100	0.51	NO	33.59	1.009	6.26e4	5.96e4	99.4	-0.6	1.05	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.879281

RRF SD: 0.0892233, Relative SD: 10.1473

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	200309D1_1	100	0.49	NO	34.51	1.037	5.94e4	6.21e4	109	8.8	0.956	bb
2	200309D1_2	100	0.51	NO	34.51	1.037	5.56e4	7.06e4	89.6	-10.4	0.788	bd
3	200309D1_3	100	0.50	NO	34.51	1.037	5.62e4	7.46e4	85.7	-14.3	0.753	bb
4	200309D1_4	100	0.51	NO	34.53	1.037	6.28e4	6.86e4	104	4.1	0.916	bb
5	200309D1_5	100	0.50	NO	34.51	1.037	6.79e4	7.00e4	110	10.3	0.969	bd
6	200309D1_6	100	0.55	NO	34.52	1.037	5.32e4	5.96e4	102	1.6	0.893	bd

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

Response Factor: 0.892598

RRF SD: 0.100339, Relative SD: 11.2413

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	200309D1_1	100	0.43	NO	36.30	1.091	6.36e4	6.21e4	115	14.7	1.02	bb
2	200309D1_2	100	0.45	NO	36.32	1.092	5.53e4	7.06e4	87.8	-12.2	0.784	bd
3	200309D1_3	100	0.44	NO	36.32	1.092	5.84e4	7.46e4	87.7	-12.3	0.783	bb
4	200309D1_4	100	0.43	NO	36.33	1.091	6.29e4	6.86e4	103	2.6	0.916	bb
5	200309D1_5	100	0.44	NO	36.32	1.091	6.88e4	7.00e4	110	10.0	0.982	bb
6	200309D1_6	100	0.44	NO	36.33	1.092	5.16e4	5.96e4	97.1	-2.9	0.867	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.613443

RRF SD: 0.0778172, Relative SD: 12.6853

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	200309D1_1	100	0.41	NO	38.14	1.146	4.04e4	6.21e4	106	6.1	0.651	bd
2	200309D1_2	100	0.42	NO	38.15	1.147	3.60e4	7.06e4	83.2	-16.8	0.510	bb
3	200309D1_3	100	0.45	NO	38.15	1.147	3.98e4	7.46e4	87.0	-13.0	0.534	bb
4	200309D1_4	100	0.40	NO	38.15	1.146	4.51e4	6.86e4	107	7.2	0.658	bb
5	200309D1_5	100	0.43	NO	38.15	1.146	4.99e4	7.00e4	116	16.3	0.713	bd
6	200309D1_6	100	0.42	NO	38.15	1.146	3.67e4	5.96e4	100	0.3	0.615	bb

Compound name: 13C-OCDF

Response Factor: 0.741294

RRF SD: 0.118564, Relative SD: 15.9941

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	200309D1_1	200	0.84	NO	41.04	1.234	1.01e5	6.21e4	220	9.8	0.814	bd
2	200309D1_2	200	0.85	NO	41.06	1.234	8.54e4	7.06e4	163	-18.3	0.605	bd
3	200309D1_3	200	0.89	NO	41.06	1.234	9.16e4	7.46e4	166	-17.1	0.614	bb
4	200309D1_4	200	0.87	NO	41.06	1.233	1.10e5	6.86e4	217	8.4	0.804	bd
5	200309D1_5	200	0.87	NO	41.07	1.234	1.26e5	7.00e4	243	21.5	0.901	bb
6	200309D1_6	200	0.90	NO	41.06	1.234	8.45e4	5.96e4	191	-4.3	0.709	bd

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.17955

RRF SD: 0.101212, Relative SD: 8.58061

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	200309D1_1	0.250			25.87	1.023	1.52e2	4.86e4	0.266	6.3	1.25	bb
2	200309D1_2	0.500			25.90	1.025	3.46e2	6.31e4	0.465	-6.9	1.10	bb

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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	200309D1_3	2.00			25.88	1.024	1.36e3	6.45e4	1.78	-10.9	1.05	bb
4	200309D1_4	40.0			25.90	1.024	2.63e4	5.33e4	41.9	4.6	1.23	bd
5	200309D1_5	200			25.90	1.024	1.49e5	5.70e4	222	11.1	1.31	bb
6	200309D1_6	10.0			25.88	1.024	5.49e3	4.86e4	9.58	-4.2	1.13	bd

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	200309D1_1	100	0.78	NO	25.29	1.000	4.86e4	4.86e4	100	0.0	1.00	bb
2	200309D1_2	100	0.76	NO	25.27	1.000	6.31e4	6.31e4	100	0.0	1.00	bb
3	200309D1_3	100	0.81	NO	25.29	1.000	6.45e4	6.45e4	100	0.0	1.00	bb
4	200309D1_4	100	0.79	NO	25.29	1.000	5.33e4	5.33e4	100	0.0	1.00	bd
5	200309D1_5	100	0.80	NO	25.30	1.000	5.70e4	5.70e4	100	0.0	1.00	bb
6	200309D1_6	100	0.80	NO	25.29	1.000	4.86e4	4.86e4	100	0.0	1.00	bd

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 9.93014e-017, Relative SD: 9.93014e-015

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	200309D1_1	100	0.79	NO	23.79	1.000	8.02e4	8.02e4	100	0.0	1.00	bb
2	200309D1_2	100	0.74	NO	23.77	1.000	1.00e5	1.00e5	100	0.0	1.00	bb
3	200309D1_3	100	0.74	NO	23.80	1.000	1.08e5	1.08e5	100	0.0	1.00	bd
4	200309D1_4	100	0.77	NO	23.79	1.000	8.88e4	8.88e4	100	0.0	1.00	bb
5	200309D1_5	100	0.77	NO	23.80	1.000	9.48e4	9.48e4	100	0.0	1.00	bb
6	200309D1_6	100	0.80	NO	23.80	1.000	8.10e4	8.10e4	100	0.0	1.00	bd

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_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	200309D1_1	100	0.49	NO	33.27	1.000	6.21e4	6.21e4	100	0.0	1.00	bb
2	200309D1_2	100	0.51	NO	33.27	1.000	7.06e4	7.06e4	100	0.0	1.00	bb
3	200309D1_3	100	0.51	NO	33.27	1.000	7.46e4	7.46e4	100	0.0	1.00	bb
4	200309D1_4	100	0.52	NO	33.29	1.000	6.86e4	6.86e4	100	0.0	1.00	db
5	200309D1_5	100	0.51	NO	33.28	1.000	7.00e4	7.00e4	100	0.0	1.00	bb
6	200309D1_6	100	0.48	NO	33.28	1.000	5.96e4	5.96e4	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 09 Mar 2020 11:30:34
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200309D1_1, Date: 09-Mar-2020, Time: 12:30:36, ID: ST200309D1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

#	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	1.59e2	0.85	NO	0.987	1.000	25.882	25.88	1.001	1.001	0.23670	94.7	0.180	0.237
2	2 1,2,3,7,8-PeCDD	6.61e2	0.66	NO	0.982	1.000	30.488	30.47	1.001	1.000	1.1872	95.0	0.148	1.19
3	3 1,2,3,4,7,8-HxCDD	6.45e2	1.18	NO	1.17	1.000	33.751	33.75	1.000	1.000	1.2168	97.3	0.234	1.22
4	4 1,2,3,6,7,8-HxCDD	7.20e2	1.28	NO	1.04	1.000	33.851	33.86	1.000	1.000	1.1745	94.0	0.231	1.17
5	5 1,2,3,7,8,9-HxCDD	6.16e2	1.14	NO	1.00	1.000	34.170	34.15	1.001	1.000	1.1409	91.3	0.254	1.14
6	6 1,2,3,4,6,7,8-HpCDD	5.97e2	1.12	NO	0.992	1.000	37.626	37.64	1.000	1.001	1.2638	101	0.133	1.26
7	7 OCDD	9.32e2	0.91	NO	1.04	1.000	40.819	40.83	1.000	1.000	2.4013	96.1	0.241	2.40
8	8 2,3,7,8-TCDF	2.28e2	0.66	NO	0.882	1.000	25.081	25.06	1.001	1.000	0.25760	103	0.116	0.258
9	9 1,2,3,7,8-PeCDF	1.15e3	1.46	NO	1.05	1.000	29.280	29.28	1.001	1.001	1.1551	92.4	0.0925	1.16
10	10 2,3,4,7,8-PeCDF	1.25e3	1.66	NO	1.06	1.000	30.195	30.19	1.001	1.001	1.2951	104	0.0825	1.30
11	11 1,2,3,4,7,8-HxCDF	9.32e2	1.27	NO	1.08	1.000	32.863	32.87	1.000	1.000	1.2013	96.1	0.101	1.20
12	12 1,2,3,6,7,8-HxCDF	9.80e2	1.22	NO	1.04	1.000	32.994	33.01	1.000	1.001	1.1737	93.9	0.0997	1.17
13	13 2,3,4,6,7,8-HxCDF	9.35e2	1.18	NO	1.11	1.000	33.610	33.59	1.001	1.000	1.1686	93.5	0.0998	1.17
14	14 1,2,3,7,8,9-HxCDF	7.41e2	1.16	NO	1.06	1.000	34.509	34.53	1.000	1.001	1.1817	94.5	0.153	1.18
15	15 1,2,3,4,6,7,8-HpCDF	7.86e2	0.99	NO	1.13	1.000	36.334	36.32	1.001	1.001	1.0959	87.7	0.190	1.10
16	16 1,2,3,4,7,8,9-HpCDF	6.45e2	0.90	NO	1.33	1.000	38.142	38.15	1.000	1.000	1.1971	95.8	0.191	1.20
17	17 OCDF	1.07e3	1.01	NO	0.933	1.000	41.039	41.05	1.000	1.000	2.2593	90.4	0.184	2.26
18	18 13C-2,3,7,8-TCDD	6.81e4	0.74	NO	1.21	1.000	25.943	25.85	1.026	1.022	116.14	116	1.31	
19	19 13C-1,2,3,7,8-PeCDD	5.66e4	0.63	NO	0.996	1.000	30.393	30.47	1.202	1.205	117.05	117	0.796	
20	20 13C-1,2,3,4,7,8-HxCDD	4.51e4	1.29	NO	0.679	1.000	33.735	33.74	1.014	1.014	107.10	107	0.951	
21	21 13C-1,2,3,6,7,8-HxCDD	5.91e4	1.40	NO	0.850	1.000	33.845	33.85	1.017	1.017	112.07	112	0.760	
22	22 13C-1,2,3,7,8,9-HxCDD	5.38e4	1.39	NO	0.798	1.000	34.114	34.14	1.025	1.026	108.57	109	0.808	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.76e4	1.07	NO	0.697	1.000	37.561	37.61	1.129	1.131	110.10	110	0.806	
24	24 13C-OCDD	7.50e4	0.94	NO	0.579	1.000	40.569	40.82	1.219	1.227	208.67	104	1.85	
25	25 13C-2,3,7,8-TCDF	1.00e5	0.77	NO	1.13	1.000	25.033	25.06	0.990	0.991	111.10	111	1.01	
26	26 13C-1,2,3,7,8-PeCDF	9.51e4	1.63	NO	0.996	1.000	29.223	29.26	1.156	1.157	118.96	119	1.13	
27	27 13C-2,3,4,7,8-PeCDF	9.11e4	1.61	NO	0.969	1.000	30.115	30.17	1.191	1.193	117.15	117	1.16	
28	28 13C-1,2,3,4,7,8-HxCDF	7.17e4	0.49	NO	1.06	1.000	32.870	32.86	0.988	0.988	109.10	109	0.930	
29	29 13C-1,2,3,6,7,8-HxCDF	8.01e4	0.49	NO	1.18	1.000	33.003	32.98	0.992	0.991	109.77	110	0.837	
30	30 13C-2,3,4,6,7,8-HxCDF	7.20e4	0.50	NO	1.06	1.000	33.572	33.58	1.009	1.009	109.77	110	0.931	
31	31 13C-1,2,3,7,8,9-HxCDF	5.94e4	0.49	NO	0.879	1.000	34.467	34.51	1.036	1.037	108.76	109	1.12	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Name: 200309D1_1, Date: 09-Mar-2020, Time: 12:30:36, ID: ST200309D1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

	# 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	6.36e4	0.43	NO	0.893	1.000	36.164	36.30	1.087	1.091	114.72	115	0.962	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.04e4	0.41	NO	0.613	1.000	38.160	38.14	1.147	1.146	106.06	106	1.40	
34	34 13C-OCDF	1.01e5	0.84	NO	0.741	1.000	40.722	41.04	1.224	1.234	219.65	110	1.02	
35	35 37Cl-2,3,7,8-TCDD	1.52e2			1.18	1.000	25.941	25.87	1.026	1.023	0.26571	106	0.0945	
36	36 13C-1,2,3,4-TCDD	4.86e4	0.78	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	1.58	
37	37 13C-1,2,3,4-TCDF	8.02e4	0.79	NO	1.00	1.000	23.970	23.79	1.000	1.000	100.00	100	1.14	
38	38 13C-1,2,3,4,6,9-HxCDF	6.21e4	0.49	NO	1.00	1.000	33.260	33.27	1.000	1.000	100.00	100	0.984	

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Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3.14e2	0.88	NO	0.987	1.000	25.882	25.85	1.001	1.000	0.45712	91.4	0.151	0.457
2	2 1,2,3,7,8-PeCDD	1.30e3	0.63	NO	0.982	1.000	30.488	30.47	1.001	1.000	2.4865	99.5	0.173	2.49
3	3 1,2,3,4,7,8-HxCDD	1.19e3	1.21	NO	1.17	1.000	33.762	33.76	1.000	1.000	2.3736	94.9	0.211	2.37
4	4 1,2,3,6,7,8-HxCDD	1.47e3	1.34	NO	1.04	1.000	33.862	33.86	1.000	1.000	2.5750	103	0.217	2.58
5	5 1,2,3,7,8,9-HxCDD	1.32e3	1.18	NO	1.00	1.000	34.181	34.16	1.001	1.000	2.5461	102	0.230	2.55
6	6 1,2,3,4,6,7,8-HpCDD	1.03e3	1.03	NO	0.992	1.000	37.637	37.65	1.000	1.001	2.5372	101	0.150	2.54
7	7 OCDD	1.85e3	0.78	NO	1.04	1.000	40.841	40.85	1.000	1.000	5.2302	105	0.302	5.23
8	8 2,3,7,8-TCDF	4.83e2	0.76	NO	0.882	1.000	25.066	25.06	1.001	1.001	0.51421	103	0.101	0.514
9	9 1,2,3,7,8-PeCDF	2.47e3	1.57	NO	1.05	1.000	29.280	29.28	1.001	1.001	2.6630	107	0.0882	2.66
10	10 2,3,4,7,8-PeCDF	2.10e3	1.72	NO	1.06	1.000	30.216	30.19	1.001	1.000	2.3750	95.0	0.0901	2.38
11	11 1,2,3,4,7,8-HxCDF	1.90e3	1.18	NO	1.08	1.000	32.874	32.89	1.000	1.000	2.6075	104	0.0890	2.61
12	12 1,2,3,6,7,8-HxCDF	1.97e3	1.28	NO	1.04	1.000	33.005	33.02	1.000	1.001	2.5390	102	0.0914	2.54
13	13 2,3,4,6,7,8-HxCDF	1.86e3	1.26	NO	1.11	1.000	33.621	33.60	1.001	1.000	2.5318	101	0.102	2.53
14	14 1,2,3,7,8,9-HxCDF	1.40e3	1.24	NO	1.06	1.000	34.509	34.53	1.000	1.001	2.3747	95.0	0.146	2.37
15	15 1,2,3,4,6,7,8-HpCDF	1.64e3	0.99	NO	1.13	1.000	36.356	36.34	1.001	1.001	2.6271	105	0.121	2.63
16	16 1,2,3,4,7,8,9-HpCDF	1.25e3	0.91	NO	1.33	1.000	38.152	38.15	1.000	1.000	2.6032	104	0.135	2.60
17	17 OCDF	1.94e3	0.92	NO	0.933	1.000	41.060	41.06	1.000	1.000	4.8641	97.3	0.263	4.86
18	18 13C-2,3,7,8-TCDD	6.95e4	0.75	NO	1.21	1.000	25.927	25.85	1.026	1.023	91.317	91.3	0.806	
19	19 13C-1,2,3,7,8-PeCDD	5.32e4	0.64	NO	0.996	1.000	30.375	30.47	1.202	1.206	84.744	84.7	0.624	
20	20 13C-1,2,3,4,7,8-HxCDD	4.27e4	1.28	NO	0.679	1.000	33.735	33.75	1.014	1.015	89.104	89.1	0.804	
21	21 13C-1,2,3,6,7,8-HxCDD	5.50e4	1.28	NO	0.850	1.000	33.845	33.86	1.017	1.018	91.724	91.7	0.642	
22	22 13C-1,2,3,7,8,9-HxCDD	5.16e4	1.30	NO	0.798	1.000	34.114	34.15	1.025	1.026	91.609	91.6	0.684	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.11e4	1.10	NO	0.697	1.000	37.561	37.63	1.129	1.131	83.563	83.6	0.824	
24	24 13C-OCDD	6.85e4	0.88	NO	0.579	1.000	40.568	40.84	1.219	1.228	167.58	83.8	1.10	
25	25 13C-2,3,7,8-TCDF	1.06e5	0.79	NO	1.13	1.000	25.018	25.04	0.990	0.991	94.333	94.3	0.693	
26	26 13C-1,2,3,7,8-PeCDF	8.89e4	1.66	NO	0.996	1.000	29.205	29.26	1.156	1.158	89.102	89.1	0.594	
27	27 13C-2,3,4,7,8-PeCDF	8.35e4	1.68	NO	0.969	1.000	30.097	30.19	1.191	1.194	86.064	86.1	0.610	
28	28 13C-1,2,3,4,7,8-HxCDF	6.72e4	0.50	NO	1.06	1.000	32.870	32.87	0.988	0.988	89.967	90.0	0.773	
29	29 13C-1,2,3,6,7,8-HxCDF	7.44e4	0.51	NO	1.18	1.000	33.003	32.99	0.992	0.992	89.740	89.7	0.696	
30	30 13C-2,3,4,6,7,8-HxCDF	6.61e4	0.50	NO	1.06	1.000	33.572	33.59	1.009	1.010	88.678	88.7	0.774	
31	31 13C-1,2,3,7,8,9-HxCDF	5.56e4	0.51	NO	0.879	1.000	34.467	34.51	1.036	1.037	89.599	89.6	0.930	
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.53e4	0.45	NO	0.893	1.000	36.164	36.32	1.087	1.092	87.812	87.8	0.737	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.60e4	0.42	NO	0.613	1.000	38.160	38.15	1.147	1.147	83.156	83.2	1.07	
34	34 13C-OCDF	8.54e4	0.85	NO	0.741	1.000	40.721	41.06	1.224	1.234	163.34	81.7	0.958	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	3.46e2			1.18	1.000	25.925	25.90	1.026	1.025	0.46531	93.1	0.0580	
36	36 13C-1,2,3,4-TCDD	6.31e4	0.76	NO	1.00	1.000	25.440	25.27	1.000	1.000	100.00	100	0.973	
37	37 13C-1,2,3,4-TCDF	1.00e5	0.74	NO	1.00	1.000	23.970	23.77	1.000	1.000	100.00	100	0.781	
38	38 13C-1,2,3,4,6,9-HxCDF	7.06e4	0.51	NO	1.00	1.000	33.260	33.27	1.000	1.000	100.00	100	0.818	

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Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

#	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	1.33e3	0.84	NO	0.987	1.000	25.898	25.88	1.001	1.001	1.9943	99.7	0.132	1.99
2	2 1,2,3,7,8-PeCDD	5.19e3	0.68	NO	0.982	1.000	30.488	30.47	1.001	1.000	9.6066	96.1	0.122	9.61
3	3 1,2,3,4,7,8-HxCDD	5.25e3	1.21	NO	1.17	1.000	33.751	33.76	1.000	1.001	10.317	103	0.203	10.3
4	4 1,2,3,6,7,8-HxCDD	5.81e3	1.28	NO	1.04	1.000	33.851	33.86	1.000	1.000	10.153	102	0.202	10.2
5	5 1,2,3,7,8,9-HxCDD	5.12e3	1.23	NO	1.00	1.000	34.181	34.16	1.001	1.000	9.7729	97.7	0.222	9.77
6	6 1,2,3,4,6,7,8-HpCDD	4.11e3	1.06	NO	0.992	1.000	37.637	37.64	1.000	1.000	9.1270	91.3	0.292	9.13
7	7 OCDD	7.01e3	0.98	NO	1.04	1.000	40.841	40.85	1.000	1.000	18.831	94.2	0.499	18.8
8	8 2,3,7,8-TCDF	1.84e3	0.88	NO	0.882	1.000	25.097	25.07	1.001	1.000	1.9875	99.4	0.0873	1.99
9	9 1,2,3,7,8-PeCDF	9.45e3	1.52	NO	1.05	1.000	29.280	29.28	1.001	1.001	9.7097	97.1	0.108	9.71
10	10 2,3,4,7,8-PeCDF	9.41e3	1.59	NO	1.06	1.000	30.195	30.19	1.001	1.001	10.078	101	0.108	10.1
11	11 1,2,3,4,7,8-HxCDF	7.56e3	1.24	NO	1.08	1.000	32.863	32.89	1.000	1.001	10.081	101	0.187	10.1
12	12 1,2,3,6,7,8-HxCDF	8.06e3	1.24	NO	1.04	1.000	33.005	33.01	1.000	1.000	9.9232	99.2	0.180	9.92
13	13 2,3,4,6,7,8-HxCDF	7.62e3	1.25	NO	1.11	1.000	33.610	33.59	1.001	1.000	9.7731	97.7	0.204	9.77
14	14 1,2,3,7,8,9-HxCDF	6.08e3	1.24	NO	1.06	1.000	34.509	34.53	1.000	1.001	10.241	102	0.284	10.2
15	15 1,2,3,4,6,7,8-HpCDF	6.50e3	0.98	NO	1.13	1.000	36.356	36.34	1.001	1.001	9.8699	98.7	0.207	9.87
16	16 1,2,3,4,7,8,9-HpCDF	5.08e3	1.13	NO	1.33	1.000	38.152	38.16	1.000	1.000	9.5761	95.8	0.214	9.58
17	17 OCDF	8.47e3	0.93	NO	0.933	1.000	41.060	41.07	1.000	1.000	19.817	99.1	0.376	19.8
18	18 13C-2,3,7,8-TCDD	6.75e4	0.76	NO	1.21	1.000	25.943	25.87	1.026	1.023	86.833	86.8	0.686	
19	19 13C-1,2,3,7,8-PeCDD	5.49e4	0.63	NO	0.996	1.000	30.393	30.47	1.202	1.205	85.593	85.6	0.482	
20	20 13C-1,2,3,4,7,8-HxCDD	4.33e4	1.31	NO	0.679	1.000	33.735	33.74	1.014	1.014	85.583	85.6	0.680	
21	21 13C-1,2,3,6,7,8-HxCDD	5.52e4	1.34	NO	0.850	1.000	33.845	33.85	1.017	1.017	87.110	87.1	0.543	
22	22 13C-1,2,3,7,8,9-HxCDD	5.22e4	1.32	NO	0.798	1.000	34.114	34.15	1.025	1.026	87.691	87.7	0.578	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.54e4	1.09	NO	0.697	1.000	37.561	37.63	1.129	1.131	87.366	87.4	0.858	
24	24 13C-OCDD	7.19e4	0.87	NO	0.579	1.000	40.569	40.84	1.219	1.228	166.63	83.3	1.24	
25	25 13C-2,3,7,8-TCDF	1.05e5	0.79	NO	1.13	1.000	25.033	25.07	0.990	0.992	86.283	86.3	0.579	
26	26 13C-1,2,3,7,8-PeCDF	9.31e4	1.71	NO	0.996	1.000	29.223	29.26	1.156	1.157	86.564	86.6	0.597	
27	27 13C-2,3,4,7,8-PeCDF	8.81e4	1.64	NO	0.969	1.000	30.115	30.17	1.191	1.193	84.144	84.1	0.613	
28	28 13C-1,2,3,4,7,8-HxCDF	6.92e4	0.52	NO	1.06	1.000	32.870	32.86	0.988	0.988	87.755	87.8	0.692	
29	29 13C-1,2,3,6,7,8-HxCDF	7.79e4	0.50	NO	1.18	1.000	33.003	32.99	0.992	0.992	88.899	88.9	0.623	
30	30 13C-2,3,4,6,7,8-HxCDF	7.02e4	0.49	NO	1.06	1.000	33.572	33.58	1.009	1.009	89.104	89.1	0.693	
31	31 13C-1,2,3,7,8,9-HxCDF	5.62e4	0.50	NO	0.879	1.000	34.467	34.51	1.036	1.037	85.675	85.7	0.833	
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.84e4	0.44	NO	0.893	1.000	36.164	36.32	1.087	1.092	87.725	87.7	0.660	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.98e4	0.45	NO	0.613	1.000	38.160	38.15	1.147	1.147	87.041	87.0	0.961	
34	34 13C-OCDF	9.16e4	0.89	NO	0.741	1.000	40.722	41.06	1.224	1.234	165.73	82.9	0.674	

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Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.36e3			1.18	1.000	25.941	25.88	1.026	1.024	1.7827	89.1	0.0590	
36	36 13C-1,2,3,4-TCDD	6.45e4	0.81	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	0.827	
37	37 13C-1,2,3,4-TCDF	1.08e5	0.74	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.652	
38	38 13C-1,2,3,4,6,9-HxCDF	7.46e4	0.51	NO	1.00	1.000	33.260	33.27	1.000	1.000	100.00	100	0.732	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Name: 200309D1_4, Date: 09-Mar-2020, Time: 14:43:39, ID: ST200309D1-4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.62e4	0.78	NO	0.987	1.000	25.898	25.90	1.001	1.001	39.325	98.3	0.180	39.3
2	2 1,2,3,7,8-PeCDD	1.12e5	0.62	NO	0.982	1.000	30.488	30.49	1.001	1.001	205.44	103	0.238	205
3	3 1,2,3,4,7,8-HxCDD	1.15e5	1.27	NO	1.17	1.000	33.773	33.77	1.000	1.000	199.05	99.5	0.343	199
4	4 1,2,3,6,7,8-HxCDD	1.24e5	1.25	NO	1.04	1.000	33.873	33.88	1.000	1.000	199.49	99.7	0.369	199
5	5 1,2,3,7,8,9-HxCDD	1.18e5	1.27	NO	1.00	1.000	34.192	34.17	1.001	1.000	203.80	102	0.410	204
6	6 1,2,3,4,6,7,8-HpCDD	1.01e5	1.07	NO	0.992	1.000	37.648	37.65	1.000	1.000	208.09	104	0.559	208
7	7 OCDD	1.78e5	0.93	NO	1.04	1.000	40.841	40.85	1.000	1.000	409.83	102	0.994	410
8	8 2,3,7,8-TCDF	3.49e4	0.74	NO	0.882	1.000	25.097	25.09	1.001	1.001	37.585	94.0	0.111	37.6
9	9 1,2,3,7,8-PeCDF	1.99e5	1.61	NO	1.05	1.000	29.300	29.30	1.001	1.001	202.61	101	0.285	203
10	10 2,3,4,7,8-PeCDF	1.95e5	1.60	NO	1.06	1.000	30.216	30.21	1.001	1.001	199.26	99.6	0.284	199
11	11 1,2,3,4,7,8-HxCDF	1.60e5	1.25	NO	1.08	1.000	32.885	32.90	1.000	1.000	199.76	99.9	0.474	200
12	12 1,2,3,6,7,8-HxCDF	1.76e5	1.25	NO	1.04	1.000	33.016	33.02	1.000	1.000	201.37	101	0.492	201
13	13 2,3,4,6,7,8-HxCDF	1.69e5	1.26	NO	1.11	1.000	33.632	33.61	1.001	1.000	201.62	101	0.518	202
14	14 1,2,3,7,8,9-HxCDF	1.35e5	1.24	NO	1.06	1.000	34.531	34.53	1.000	1.000	203.64	102	0.758	204
15	15 1,2,3,4,6,7,8-HpCDF	1.41e5	1.01	NO	1.13	1.000	36.367	36.34	1.001	1.000	199.39	99.7	0.583	199
16	16 1,2,3,4,7,8,9-HpCDF	1.18e5	1.03	NO	1.33	1.000	38.153	38.16	1.000	1.000	196.14	98.1	0.588	196
17	17 OCDF	2.16e5	0.89	NO	0.933	1.000	41.061	41.07	1.000	1.000	418.95	105	0.740	419
18	18 13C-2,3,7,8-TCDD	6.74e4	0.80	NO	1.21	1.000	25.943	25.87	1.026	1.023	104.74	105	0.781	
19	19 13C-1,2,3,7,8-PeCDD	5.55e4	0.62	NO	0.996	1.000	30.393	30.47	1.202	1.205	104.59	105	0.335	
20	20 13C-1,2,3,4,7,8-HxCDD	4.94e4	1.30	NO	0.679	1.000	33.757	33.76	1.014	1.014	106.08	106	0.701	
21	21 13C-1,2,3,6,7,8-HxCDD	5.99e4	1.39	NO	0.850	1.000	33.867	33.87	1.017	1.017	102.78	103	0.560	
22	22 13C-1,2,3,7,8,9-HxCDD	5.76e4	1.37	NO	0.798	1.000	34.137	34.16	1.025	1.026	105.18	105	0.596	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.89e4	1.06	NO	0.697	1.000	37.586	37.64	1.129	1.131	102.16	102	0.741	
24	24 13C-OCDD	8.39e4	0.89	NO	0.579	1.000	40.595	40.84	1.219	1.227	211.07	106	1.44	
25	25 13C-2,3,7,8-TCDF	1.05e5	0.77	NO	1.13	1.000	25.033	25.07	0.990	0.992	105.13	105	0.636	
26	26 13C-1,2,3,7,8-PeCDF	9.40e4	1.56	NO	0.996	1.000	29.223	29.28	1.156	1.158	106.33	106	0.706	
27	27 13C-2,3,4,7,8-PeCDF	9.25e4	1.61	NO	0.969	1.000	30.115	30.19	1.191	1.194	107.56	108	0.726	
28	28 13C-1,2,3,4,7,8-HxCDF	7.40e4	0.50	NO	1.06	1.000	32.892	32.89	0.988	0.988	101.98	102	0.732	
29	29 13C-1,2,3,6,7,8-HxCDF	8.37e4	0.51	NO	1.18	1.000	33.025	33.01	0.992	0.991	103.74	104	0.658	
30	30 13C-2,3,4,6,7,8-HxCDF	7.56e4	0.51	NO	1.06	1.000	33.594	33.60	1.009	1.009	104.20	104	0.732	
31	31 13C-1,2,3,7,8,9-HxCDF	6.28e4	0.51	NO	0.879	1.000	34.490	34.53	1.036	1.037	104.13	104	0.880	
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.29e4	0.43	NO	0.893	1.000	36.188	36.33	1.087	1.091	102.64	103	0.760	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.51e4	0.40	NO	0.613	1.000	38.185	38.15	1.147	1.146	107.20	107	1.11	
34	34 13C-OCDF	1.10e5	0.87	NO	0.741	1.000	40.749	41.06	1.224	1.233	216.88	108	0.988	

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Name: 200309D1_4, Date: 09-Mar-2020, Time: 14:43:39, ID: ST200309D1-4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	2.63e4			1.18	1.000	25.941	25.90	1.026	1.024	41.856	105	0.130	
36	36 13C-1,2,3,4-TCDD	5.33e4	0.79	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	0.942	
37	37 13C-1,2,3,4-TCDF	8.88e4	0.77	NO	1.00	1.000	23.970	23.79	1.000	1.000	100.00	100	0.717	
38	38 13C-1,2,3,4,6,9-HxCDF	6.86e4	0.52	NO	1.00	1.000	33.260	33.29	1.000	1.000	100.00	100	0.774	

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Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.32e5	0.77	NO	0.987	1.000	25.913	25.90	1.001	1.001	327.37	109	0.234	327
2	2 1,2,3,7,8-PeCDD	9.76e5	0.63	NO	0.982	1.000	30.488	30.49	1.001	1.001	1612.8	108	0.392	1610
3	3 1,2,3,4,7,8-HxCDD	1.01e6	1.25	NO	1.17	1.000	33.762	33.76	1.000	1.000	1623.4	108	0.881	1620
4	4 1,2,3,6,7,8-HxCDD	1.05e6	1.26	NO	1.04	1.000	33.862	33.87	1.000	1.000	1604.8	107	0.891	1600
5	5 1,2,3,7,8,9-HxCDD	1.01e6	1.24	NO	1.00	1.000	34.181	34.16	1.001	1.000	1673.1	112	0.950	1670
6	6 1,2,3,4,6,7,8-HpCDD	9.00e5	1.03	NO	0.992	1.000	37.637	37.64	1.000	1.000	1604.4	107	1.42	1600
7	7 OCDD	1.63e6	0.89	NO	1.04	1.000	40.852	40.86	1.000	1.000	3041.1	101	1.86	3040
8	8 2,3,7,8-TCDF	3.02e5	0.76	NO	0.882	1.000	25.097	25.09	1.001	1.001	303.14	101	0.185	303
9	9 1,2,3,7,8-PeCDF	1.61e6	1.56	NO	1.05	1.000	29.300	29.30	1.001	1.001	1550.4	103	0.447	1550
10	10 2,3,4,7,8-PeCDF	1.64e6	1.56	NO	1.06	1.000	30.216	30.19	1.001	1.000	1569.6	105	0.436	1570
11	11 1,2,3,4,7,8-HxCDF	1.35e6	1.24	NO	1.08	1.000	32.874	32.89	1.000	1.000	1549.7	103	0.869	1550
12	12 1,2,3,6,7,8-HxCDF	1.46e6	1.25	NO	1.04	1.000	33.005	33.02	1.000	1.001	1594.8	106	0.890	1590
13	13 2,3,4,6,7,8-HxCDF	1.42e6	1.24	NO	1.11	1.000	33.610	33.60	1.001	1.001	1590.7	106	0.922	1590
14	14 1,2,3,7,8,9-HxCDF	1.16e6	1.24	NO	1.06	1.000	34.509	34.53	1.000	1.001	1621.1	108	1.27	1620
15	15 1,2,3,4,6,7,8-HpCDF	1.26e6	1.04	NO	1.13	1.000	36.356	36.34	1.001	1.001	1627.7	109	1.18	1630
16	16 1,2,3,4,7,8,9-HpCDF	1.08e6	1.03	NO	1.33	1.000	38.152	38.16	1.000	1.000	1628.7	109	1.18	1630
17	17 OCDF	1.90e6	0.90	NO	0.933	1.000	41.071	41.08	1.000	1.000	3229.2	108	0.975	3230
18	18 13C-2,3,7,8-TCDD	7.20e4	0.74	NO	1.21	1.000	25.959	25.88	1.026	1.023	104.67	105	0.662	
19	19 13C-1,2,3,7,8-PeCDD	6.16e4	0.62	NO	0.996	1.000	30.412	30.47	1.202	1.204	108.60	109	0.305	
20	20 13C-1,2,3,4,7,8-HxCDD	5.28e4	1.31	NO	0.679	1.000	33.746	33.75	1.014	1.014	111.22	111	0.548	
21	21 13C-1,2,3,6,7,8-HxCDD	6.33e4	1.27	NO	0.850	1.000	33.856	33.86	1.017	1.017	106.39	106	0.438	
22	22 13C-1,2,3,7,8,9-HxCDD	6.01e4	1.32	NO	0.798	1.000	34.125	34.15	1.025	1.026	107.57	108	0.466	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.66e4	1.07	NO	0.697	1.000	37.573	37.63	1.129	1.131	115.97	116	0.730	
24	24 13C-OCDD	1.03e5	0.90	NO	0.579	1.000	40.582	40.85	1.219	1.228	254.77	127	1.05	
25	25 13C-2,3,7,8-TCDF	1.13e5	0.75	NO	1.13	1.000	25.048	25.07	0.990	0.991	105.72	106	0.463	
26	26 13C-1,2,3,7,8-PeCDF	9.94e4	1.62	NO	0.996	1.000	29.240	29.28	1.156	1.157	105.26	105	0.710	
27	27 13C-2,3,4,7,8-PeCDF	9.85e4	1.65	NO	0.969	1.000	30.133	30.19	1.191	1.193	107.22	107	0.730	
28	28 13C-1,2,3,4,7,8-HxCDF	8.03e4	0.49	NO	1.06	1.000	32.881	32.87	0.988	0.988	108.45	108	0.611	
29	29 13C-1,2,3,6,7,8-HxCDF	8.80e4	0.51	NO	1.18	1.000	33.014	32.99	0.992	0.991	106.99	107	0.550	
30	30 13C-2,3,4,6,7,8-HxCDF	8.06e4	0.51	NO	1.06	1.000	33.583	33.58	1.009	1.009	108.86	109	0.612	
31	31 13C-1,2,3,7,8,9-HxCDF	6.79e4	0.50	NO	0.879	1.000	34.478	34.51	1.036	1.037	110.26	110	0.735	
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.88e4	0.44	NO	0.893	1.000	36.176	36.32	1.087	1.091	110.02	110	0.625	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.99e4	0.43	NO	0.613	1.000	38.172	38.15	1.147	1.146	116.26	116	0.910	
34	34 13C-OCDF	1.26e5	0.87	NO	0.741	1.000	40.735	41.07	1.224	1.234	243.03	122	0.651	

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Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.49e5			1.18	1.000	25.956	25.90	1.026	1.024	222.19	111	0.107	
36	36 13C-1,2,3,4-TCDD	5.70e4	0.80	NO	1.00	1.000	25.440	25.30	1.000	1.000	100.00	100	0.799	
37	37 13C-1,2,3,4-TCDF	9.48e4	0.77	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.522	
38	38 13C-1,2,3,4,6,9-HxCDF	7.00e4	0.51	NO	1.00	1.000	33.260	33.28	1.000	1.000	100.00	100	0.646	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:25:37 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	5.95e3	0.84	NO	0.987	1.000	25.898	25.90	1.001	1.001	10.674	107	0.194	10.7
2	2 1,2,3,7,8-PeCDD	2.35e4	0.63	NO	0.982	1.000	30.488	30.49	1.001	1.001	49.627	99.3	0.344	49.6
3	3 1,2,3,4,7,8-HxCDD	2.32e4	1.30	NO	1.17	1.000	33.773	33.77	1.000	1.000	48.395	96.8	0.509	48.4
4	4 1,2,3,6,7,8-HxCDD	2.48e4	1.22	NO	1.04	1.000	33.862	33.87	1.000	1.000	47.392	94.8	0.461	47.4
5	5 1,2,3,7,8,9-HxCDD	2.27e4	1.22	NO	1.00	1.000	34.181	34.17	1.001	1.001	47.860	95.7	0.560	47.9
6	6 1,2,3,4,6,7,8-HpCDD	1.97e4	1.03	NO	0.992	1.000	37.637	37.65	1.000	1.001	47.566	95.1	0.441	47.6
7	7 OCDD	3.46e4	0.91	NO	1.04	1.000	40.852	40.86	1.000	1.000	101.37	101	0.624	101
8	8 2,3,7,8-TCDF	7.83e3	0.74	NO	0.882	1.000	25.082	25.07	1.001	1.001	9.9734	99.7	0.156	9.97
9	9 1,2,3,7,8-PeCDF	3.93e4	1.62	NO	1.05	1.000	29.300	29.28	1.001	1.000	49.656	99.3	0.270	49.7
10	10 2,3,4,7,8-PeCDF	3.92e4	1.59	NO	1.06	1.000	30.216	30.19	1.001	1.000	48.173	96.3	0.249	48.2
11	11 1,2,3,4,7,8-HxCDF	3.35e4	1.27	NO	1.08	1.000	32.874	32.90	1.000	1.001	47.795	95.6	0.276	47.8
12	12 1,2,3,6,7,8-HxCDF	3.62e4	1.26	NO	1.04	1.000	33.005	33.02	1.000	1.001	49.151	98.3	0.297	49.2
13	13 2,3,4,6,7,8-HxCDF	3.50e4	1.27	NO	1.11	1.000	33.621	33.60	1.001	1.000	50.326	101	0.319	50.3
14	14 1,2,3,7,8,9-HxCDF	2.76e4	1.29	NO	1.06	1.000	34.520	34.53	1.000	1.000	49.086	98.2	0.440	49.1
15	15 1,2,3,4,6,7,8-HpCDF	2.92e4	1.03	NO	1.13	1.000	36.367	36.34	1.001	1.000	50.171	100	0.440	50.2
16	16 1,2,3,4,7,8,9-HpCDF	2.39e4	1.01	NO	1.33	1.000	38.153	38.16	1.000	1.000	48.848	97.7	0.441	48.8
17	17 OCDF	3.98e4	0.90	NO	0.933	1.000	41.061	41.07	1.000	1.000	100.89	101	0.581	101
18	18 13C-2,3,7,8-TCDD	5.65e4	0.75	NO	1.21	1.000	25.943	25.87	1.026	1.023	96.302	96.3	0.696	
19	19 13C-1,2,3,7,8-PeCDD	4.81e4	0.64	NO	0.996	1.000	30.393	30.47	1.202	1.205	99.417	99.4	0.255	
20	20 13C-1,2,3,4,7,8-HxCDD	4.08e4	1.30	NO	0.679	1.000	33.746	33.76	1.014	1.015	100.91	101	0.783	
21	21 13C-1,2,3,6,7,8-HxCDD	5.06e4	1.28	NO	0.850	1.000	33.856	33.86	1.017	1.017	99.923	99.9	0.625	
22	22 13C-1,2,3,7,8,9-HxCDD	4.73e4	1.29	NO	0.798	1.000	34.126	34.15	1.025	1.026	99.381	99.4	0.666	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.19e4	1.09	NO	0.697	1.000	37.574	37.63	1.129	1.131	100.84	101	0.763	
24	24 13C-OCDD	6.60e4	0.90	NO	0.579	1.000	40.582	40.85	1.219	1.228	191.28	95.6	0.964	
25	25 13C-2,3,7,8-TCDF	8.90e4	0.77	NO	1.13	1.000	25.033	25.06	0.990	0.991	97.439	97.4	0.514	
26	26 13C-1,2,3,7,8-PeCDF	7.57e4	1.58	NO	0.996	1.000	29.223	29.28	1.156	1.158	93.786	93.8	0.878	
27	27 13C-2,3,4,7,8-PeCDF	7.68e4	1.61	NO	0.969	1.000	30.115	30.19	1.191	1.194	97.866	97.9	0.902	
28	28 13C-1,2,3,4,7,8-HxCDF	6.48e4	0.50	NO	1.06	1.000	32.881	32.87	0.988	0.988	102.75	103	0.667	
29	29 13C-1,2,3,6,7,8-HxCDF	7.06e4	0.50	NO	1.18	1.000	33.014	33.00	0.992	0.991	100.87	101	0.601	
30	30 13C-2,3,4,6,7,8-HxCDF	6.26e4	0.51	NO	1.06	1.000	33.583	33.59	1.009	1.009	99.391	99.4	0.668	
31	31 13C-1,2,3,7,8,9-HxCDF	5.32e4	0.55	NO	0.879	1.000	34.479	34.52	1.036	1.037	101.58	102	0.803	
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.16e4	0.44	NO	0.893	1.000	36.176	36.33	1.087	1.092	97.081	97.1	0.587	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.67e4	0.42	NO	0.613	1.000	38.173	38.15	1.147	1.146	100.29	100	0.855	
34	34 13C-OCDF	8.45e4	0.90	NO	0.741	1.000	40.735	41.06	1.224	1.234	191.36	95.7	0.540	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:25:37 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	5.49e3			1.18	1.000	25.941	25.88	1.026	1.024	9.5783	95.8	0.129	
36	36 13C-1,2,3,4-TCDD	4.86e4	0.80	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	0.839	
37	37 13C-1,2,3,4-TCDF	8.10e4	0.80	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.580	
38	38 13C-1,2,3,4,6,9-HxCDF	5.96e4	0.48	NO	1.00	1.000	33.260	33.28	1.000	1.000	100.00	100	0.706	

Dataset: Untitled

Last Altered: Monday, March 09, 2020 17:27:14 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:27:43 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 05 Mar 2020 16:02:56
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-2-27-20.cdb 28 Feb 2020 10:40:27

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.35
2	2 1,2,8,9-TCDD (Last)	26.77
3	3 1,2,4,7,9-PeCDD (First)	28.41
4	4 1,2,3,8,9-PeCDD (Last)	30.85
5	5 1,2,4,6,7,9-HxCDD (First)	32.26
6	6 1,2,3,7,8,9-HxCDD (Last)	34.17
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.74
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.65
9	9 1,3,6,8-TCDF (First)	20.19
10	10 1,2,8,9-TCDF (Last)	26.91
11	11 1,3,4,6,8-PeCDF (First)	26.88
12	12 1,2,3,8,9-PeCDF (Last)	31.07
13	13 1,2,3,4,6,8-HxCDF (First)	31.73
14	14 1,2,3,7,8,9-HxCDF (Last)	34.53
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.34
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.16

Dataset: Untitled

Last Altered: Tuesday, March 10, 2020 09:21:15 Pacific Daylight Time

Printed: Tuesday, March 10, 2020 09:21:30 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 09 Mar 2020 11:30:34

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-2-27-20.cdb 28 Feb 2020 10:40:27

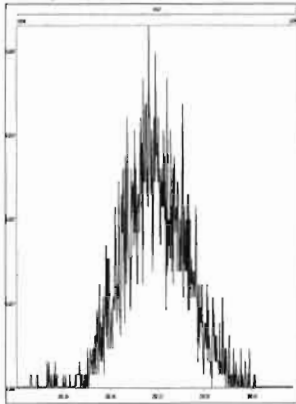
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
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2	200309D1_2	ST200309D1-2 1613 CS1 19L2303	09-Mar-20	13:13:59
3	200309D1_3	ST200309D1-3 1613 CS2 19L2304	09-Mar-20	13:58:44
4	200309D1_4	ST200309D1-4 1613 CS4 19L2306	09-Mar-20	14:43:39
5	200309D1_5	ST200309D1-5 1613 CS5 19L2307	09-Mar-20	15:28:28
6	200309D1_6	ST200309D1-6 1613 CS3 19L2305	09-Mar-20	16:13:17
7	200309D1_7	SOLVENT BLANK	09-Mar-20	16:58:12
8	200309D1_8	SS200309D1-1 1613 SSS 19L2308	09-Mar-20	17:43:01
9	200309D1_9	B0A0186-BS1 OPR 1	09-Mar-20	18:27:57
10	200309D1_10	SOLVENT BLANK	09-Mar-20	19:12:46
11	200309D1_11	B0B0297-BLK1 Method Blank 1	09-Mar-20	19:57:35
12	200309D1_12	B0A0143-BLK1 Method Blank 10	09-Mar-20	20:42:24
13	200309D1_13	B0A0186-BLK1 Method Blank 1	09-Mar-20	21:27:13
14	200309D1_14	2000418-01 GAIN-D-001-C-022620 1	09-Mar-20	22:12:00
15	200309D1_15	2000141-01 RO Brine 1.02453	09-Mar-20	22:56:48
16	200309D1_16	1902883-12RE1 RBC-LMB-1-5-L 25.01	09-Mar-20	23:40:51

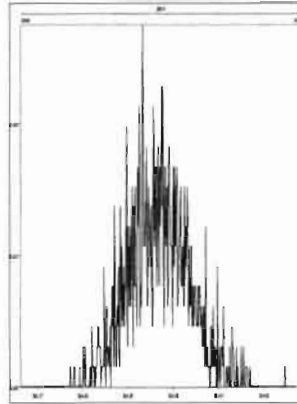
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, March 09, 2020 12:27:34 Pacific Daylight Time

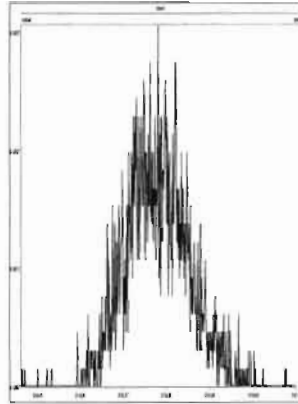
M 292.9824 R 11315



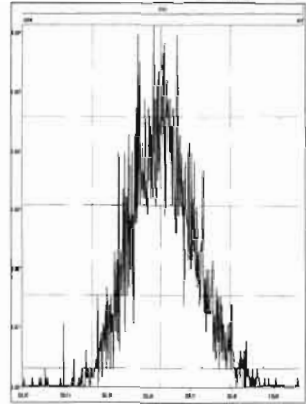
M 304.9824 R 14046



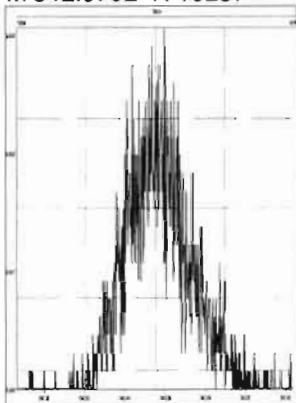
M 318.9792 R 11960



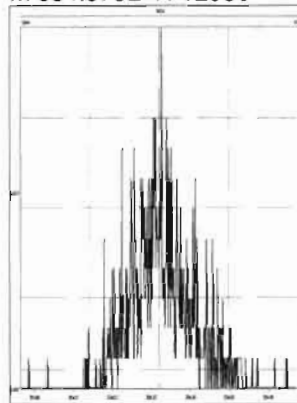
M 330.9792 R 10289



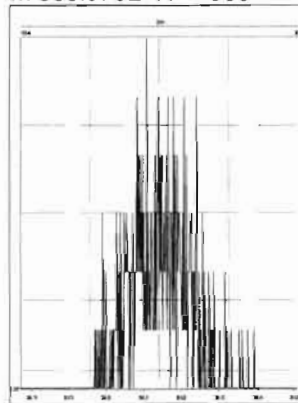
M 342.9792 R 10287



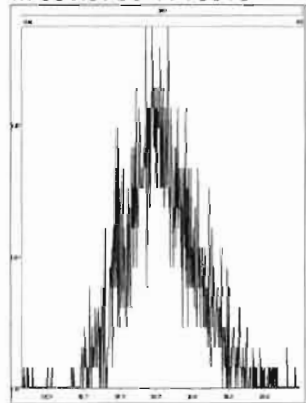
M 354.9792 R 12950



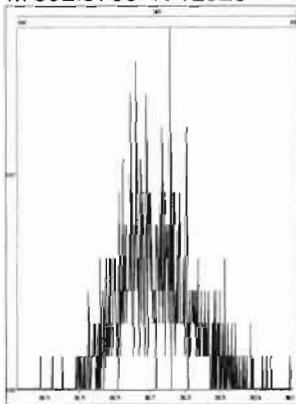
M 366.9792 R 14880



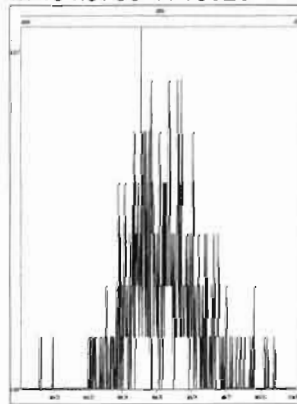
M 380.9760 R 10919



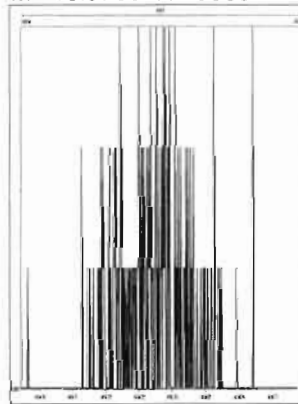
M 392.9760 R 12626



M 404.9760 R 13023



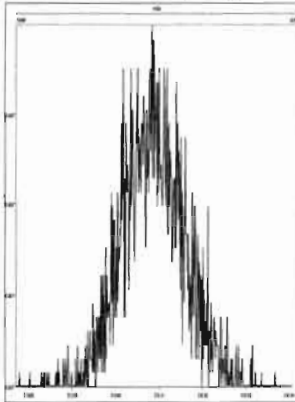
M 416.9760 R 73505



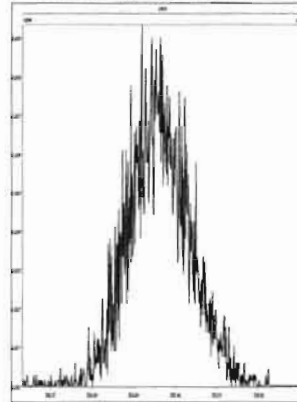
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

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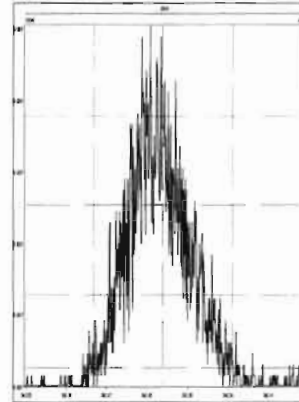
M 318.9792 R 11261



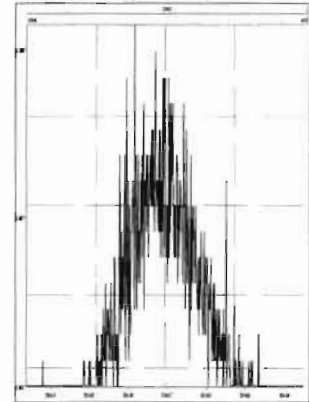
M 330.9792 R 11011



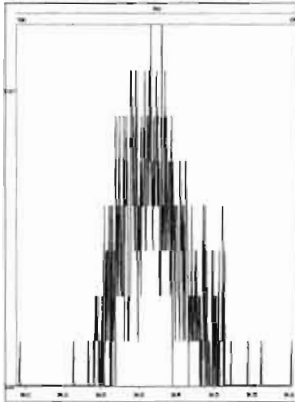
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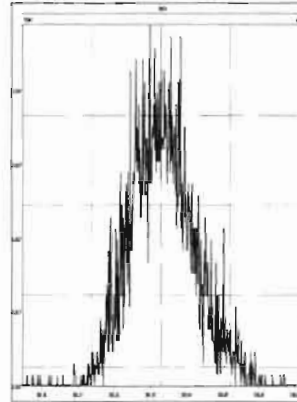
M 354.9792 R 13296



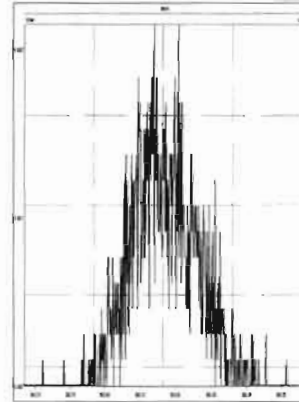
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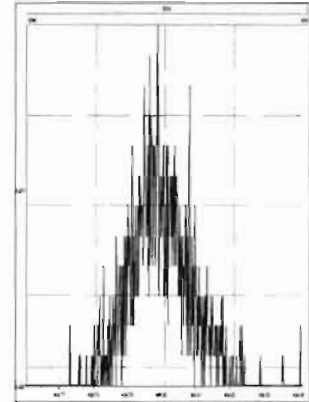
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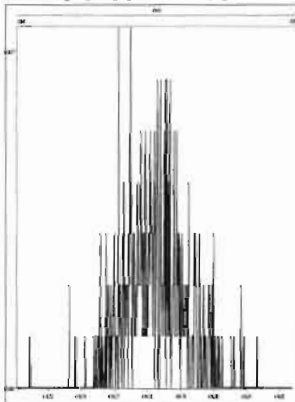
M 392.9760 R 13738



M 404.9760 R 14792



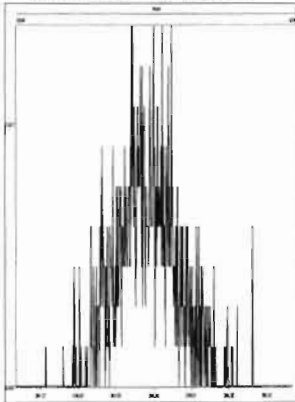
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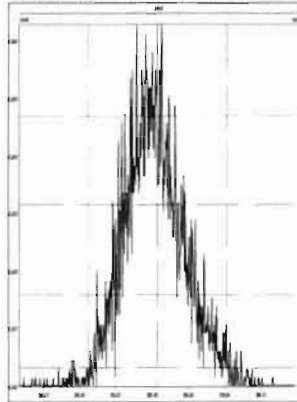
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Printed: Monday, March 09, 2020 12:28:21 Pacific Daylight Time

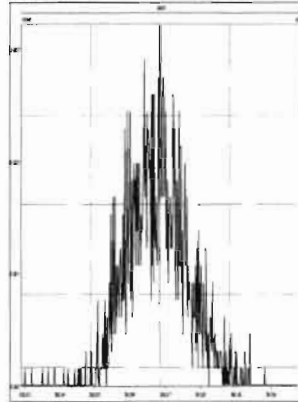
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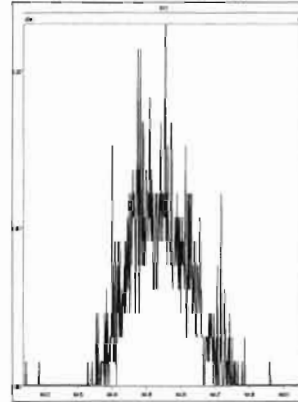
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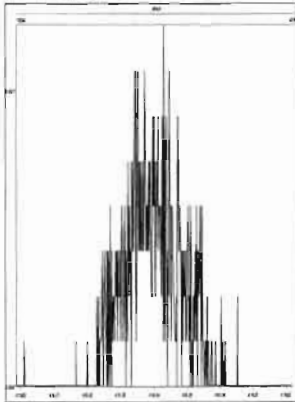
M 392.9760 R 11366



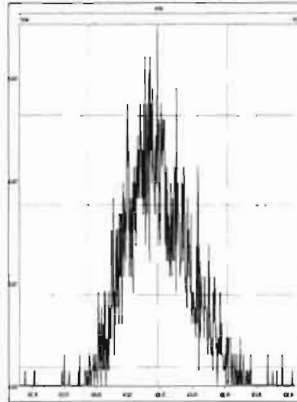
M 404.9760 R 12377



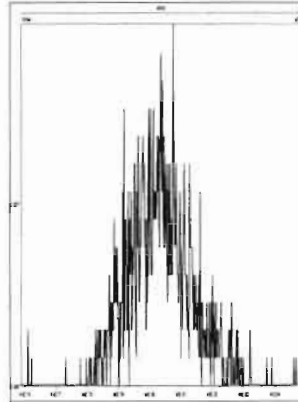
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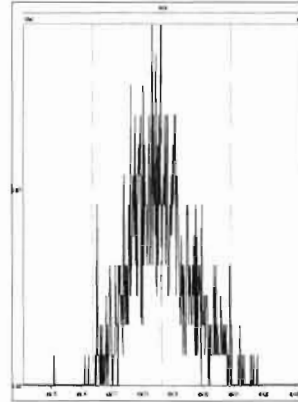
M 430.9728 R 10461



M 442.9728 R 12376



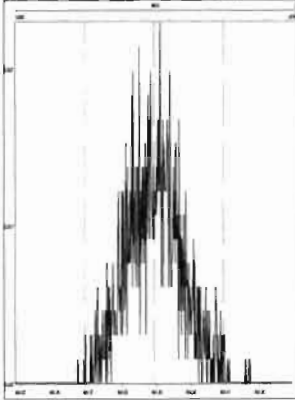
M 454.9728 R 12692



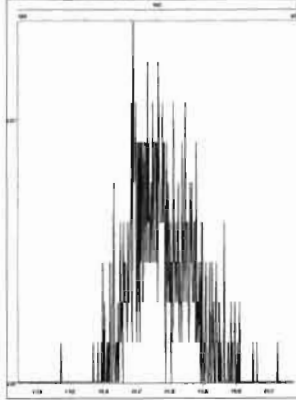
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Printed: Monday, March 09, 2020 12:28:48 Pacific Daylight Time

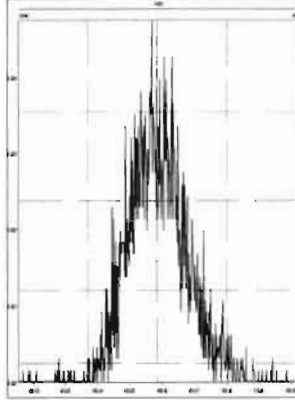
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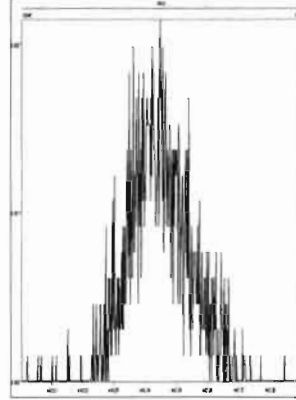
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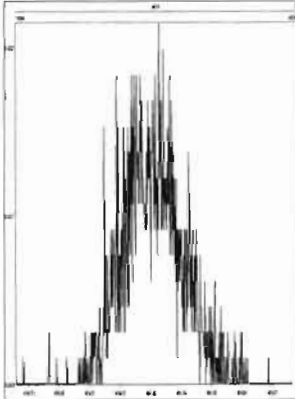
M 430.9728 R 12379



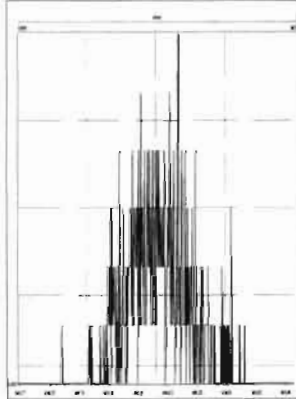
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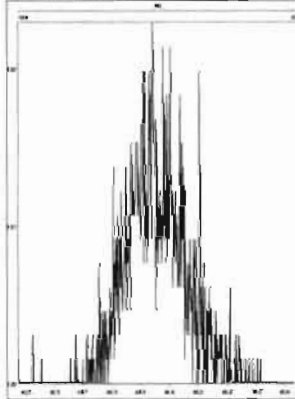
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M 466.9728 R 16557



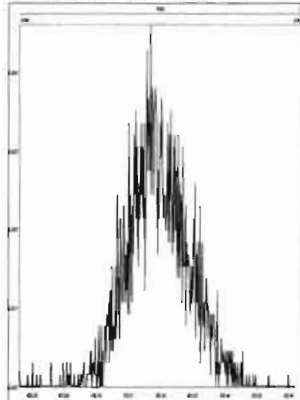
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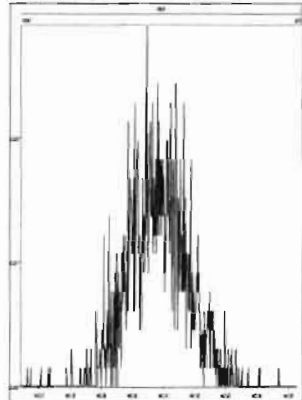
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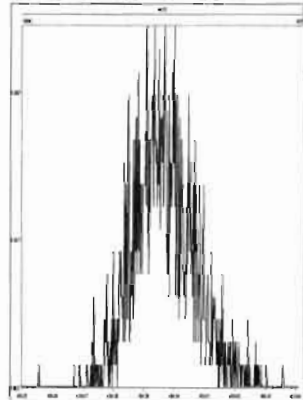
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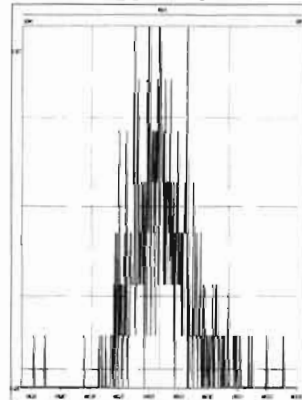
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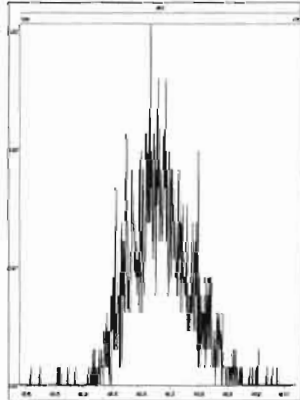
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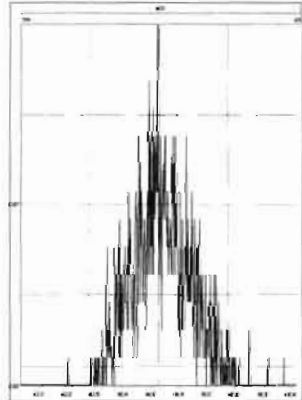
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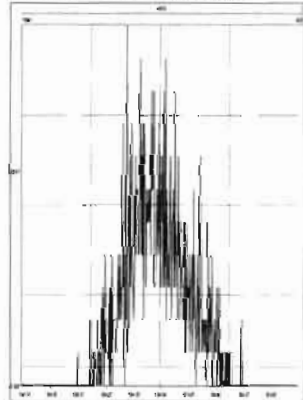
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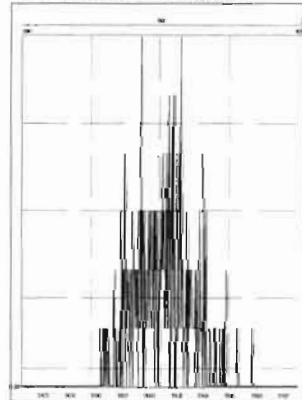
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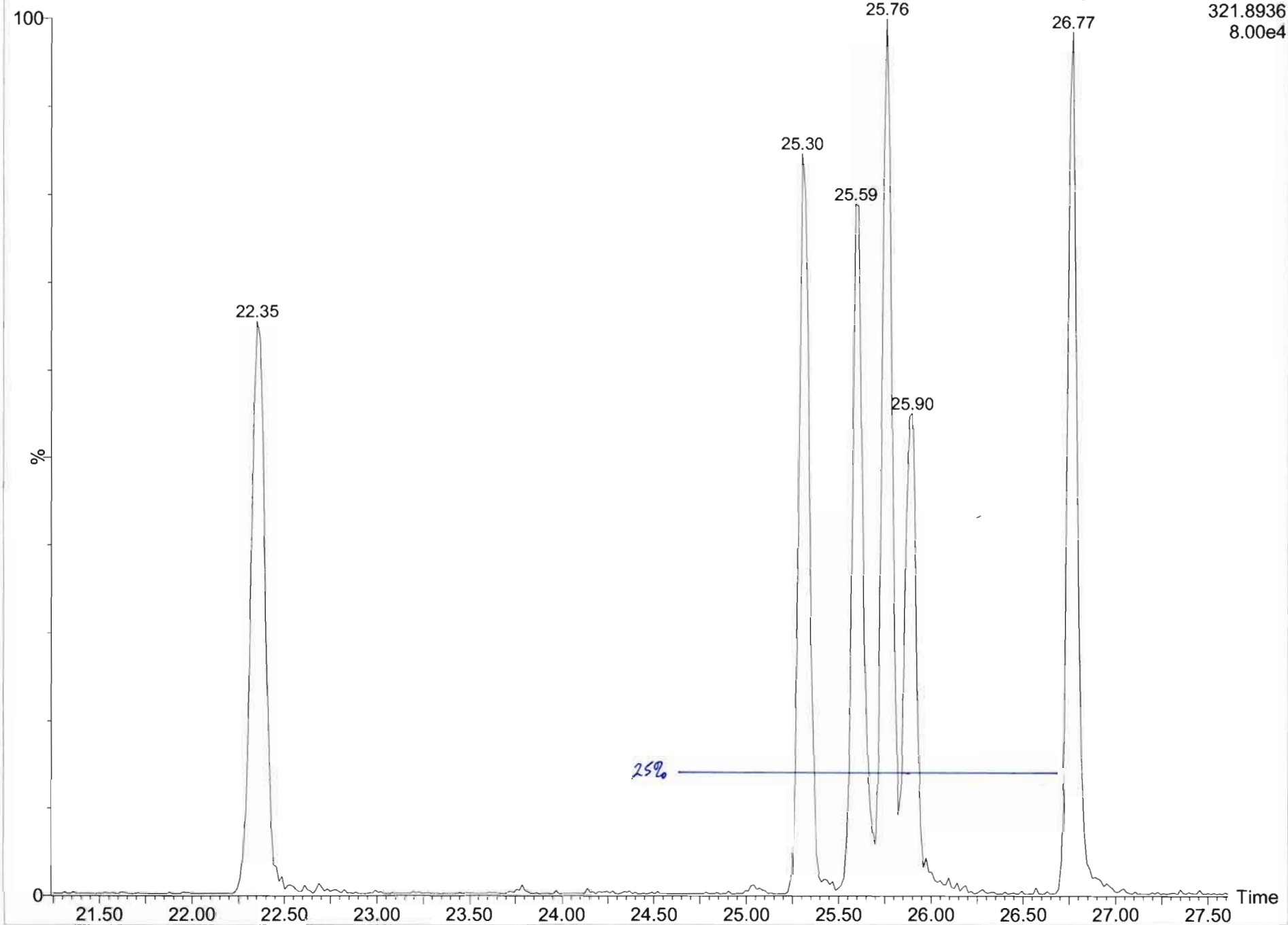


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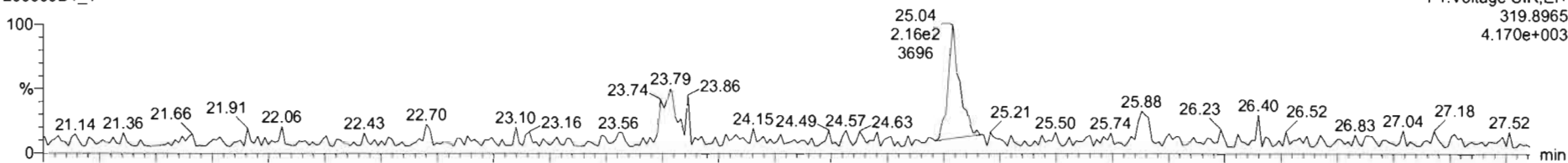
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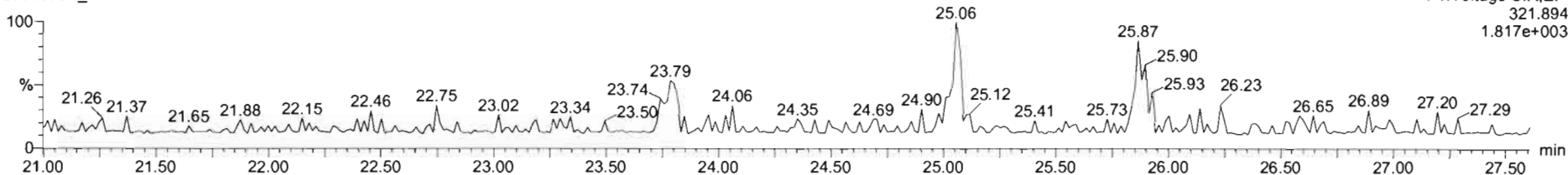
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2,3,7,8-TCDD

200309D1_1

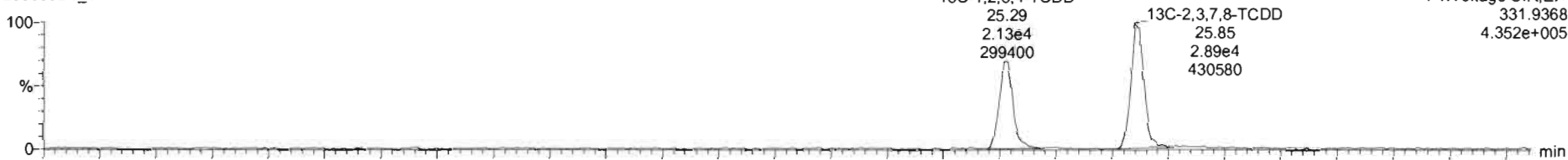


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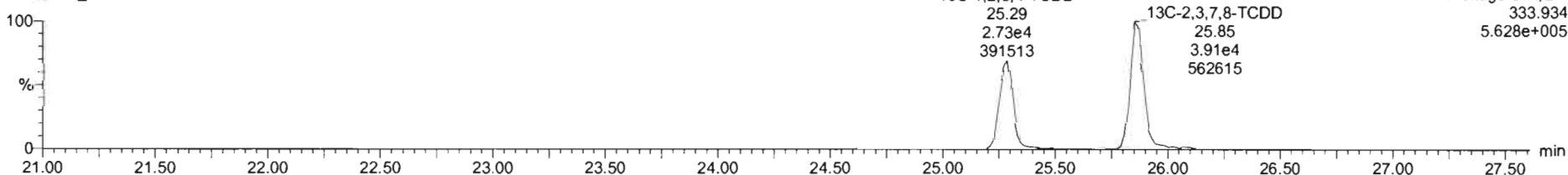


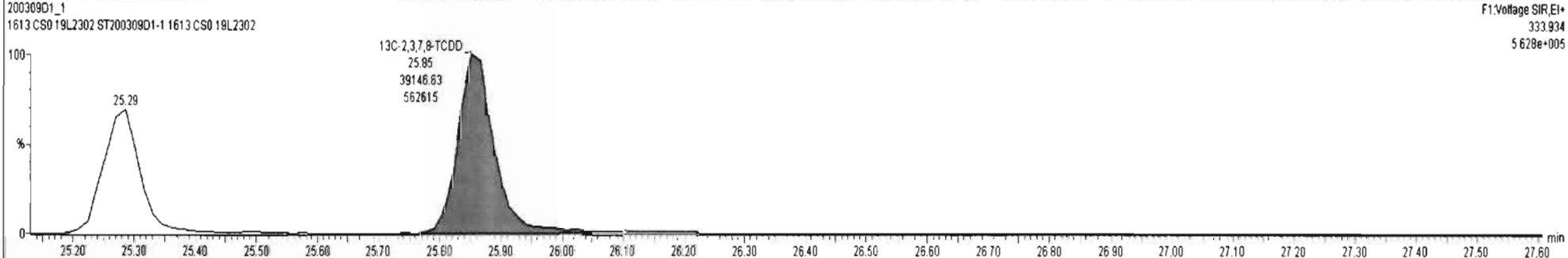
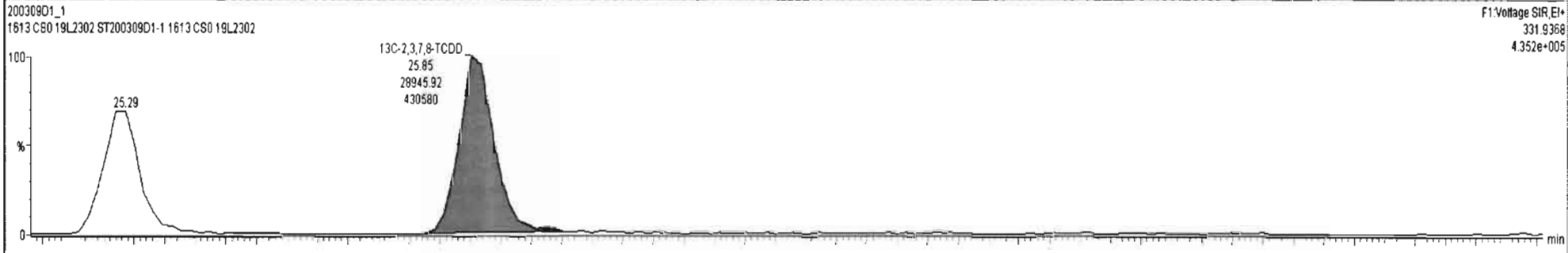
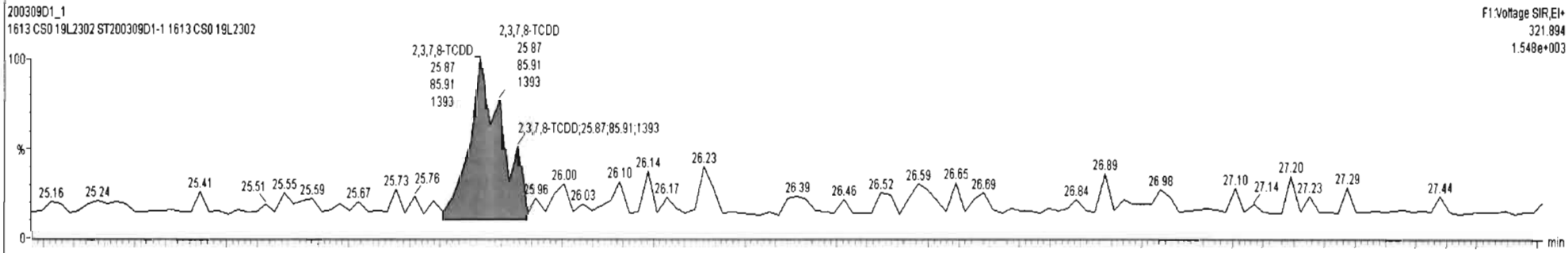
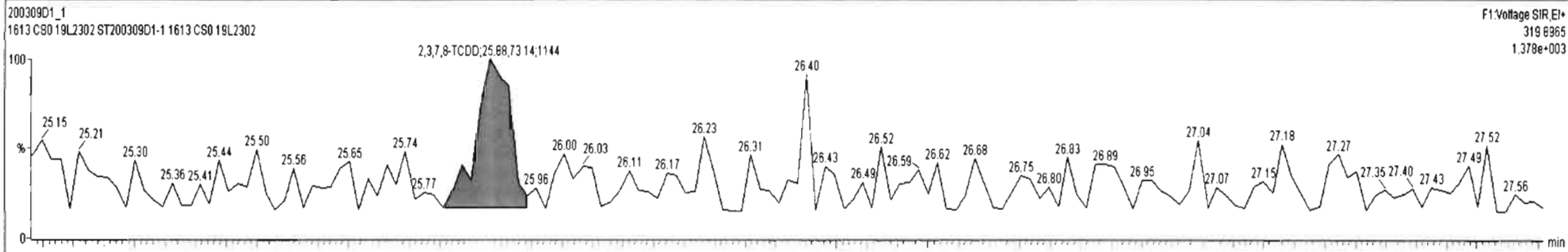
13C-2,3,7,8-TCDD

200309D1_1



200309D1_1





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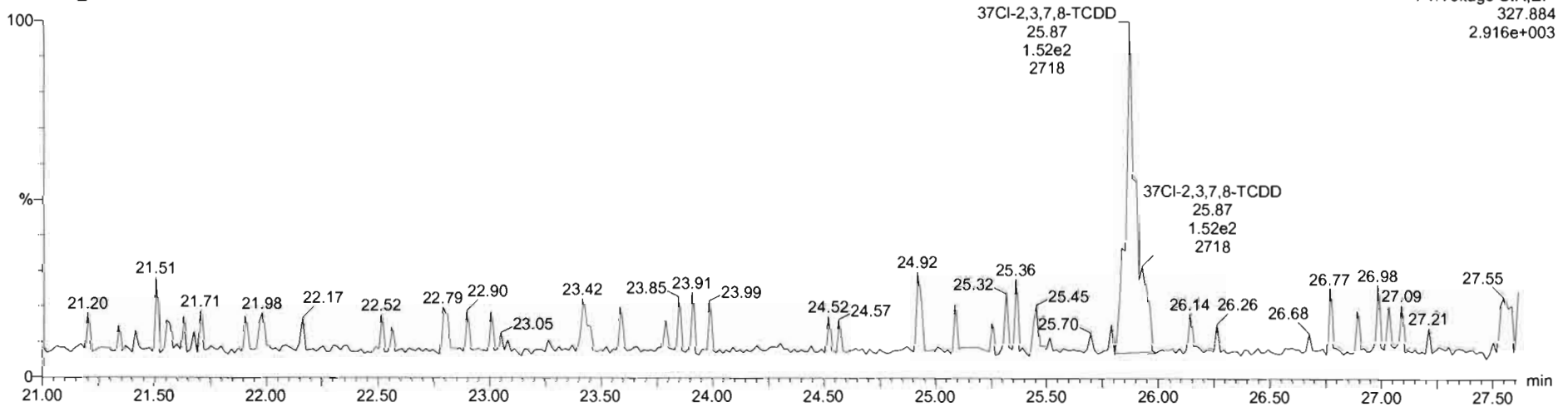
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37Cl-2,3,7,8-TCDD

200309D1_1

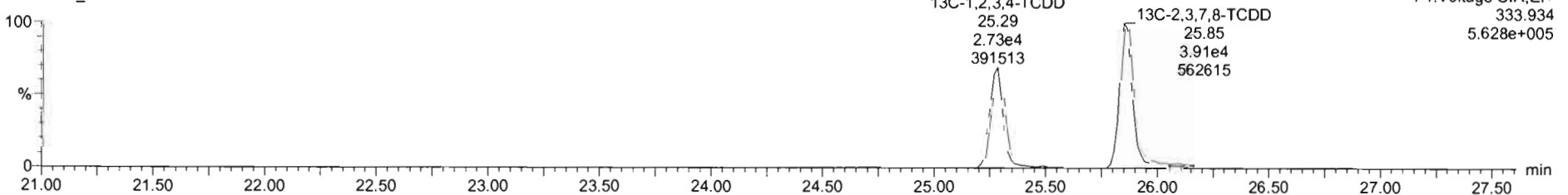


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200309D1_1



200309D1_1



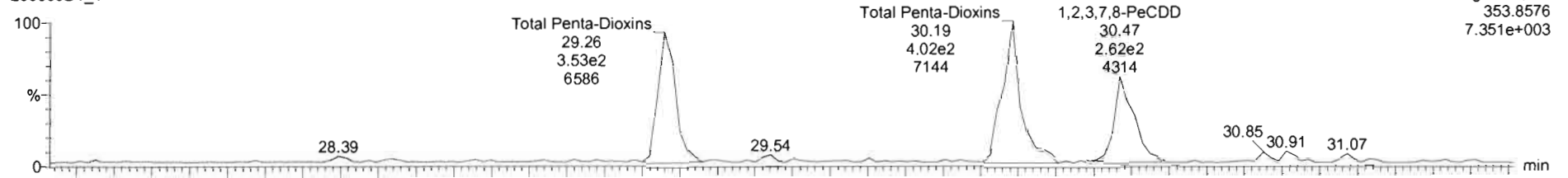
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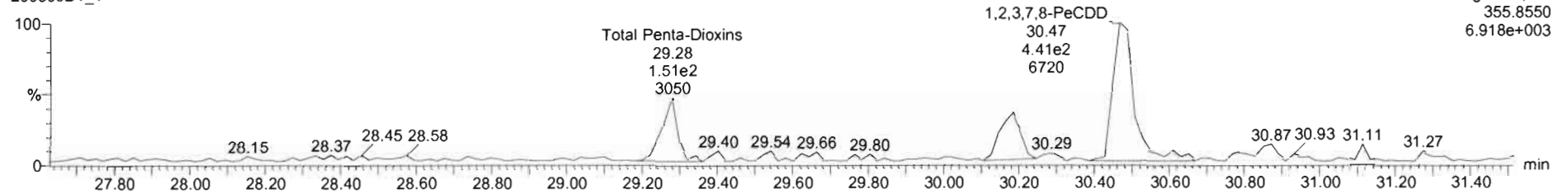
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1,2,3,7,8-PeCDD

200309D1_1

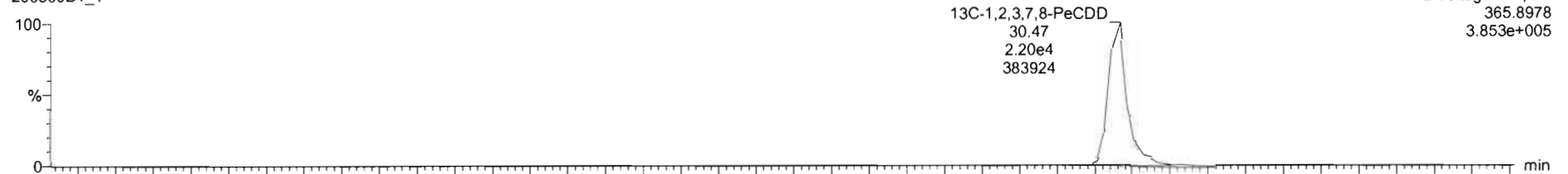


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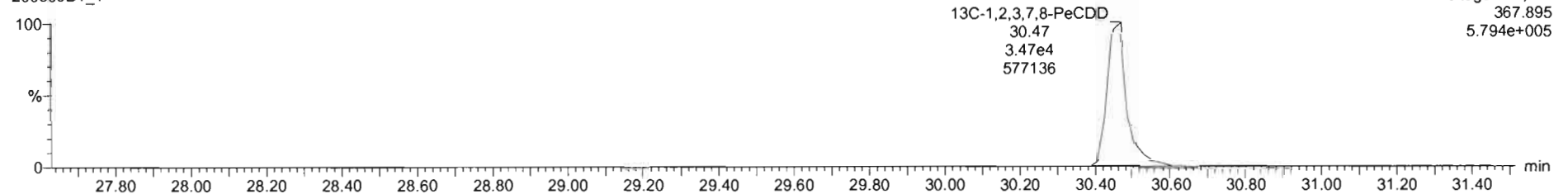


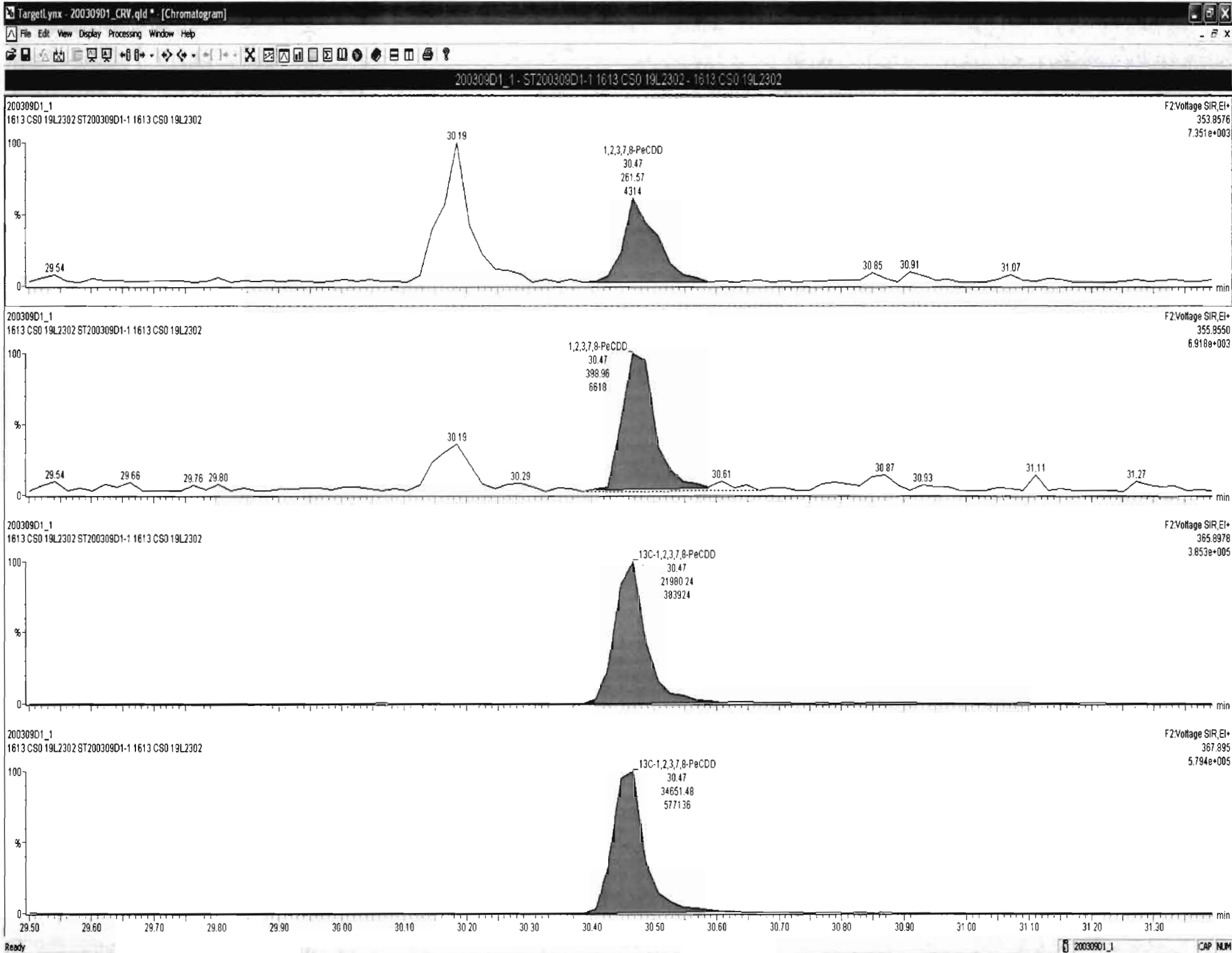
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200309D1_1



200309D1_1





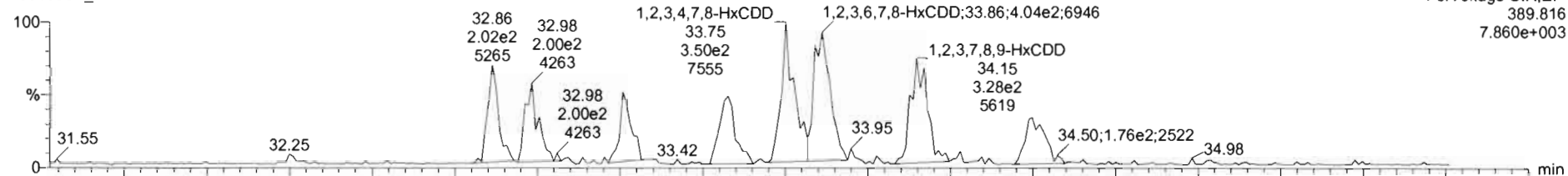
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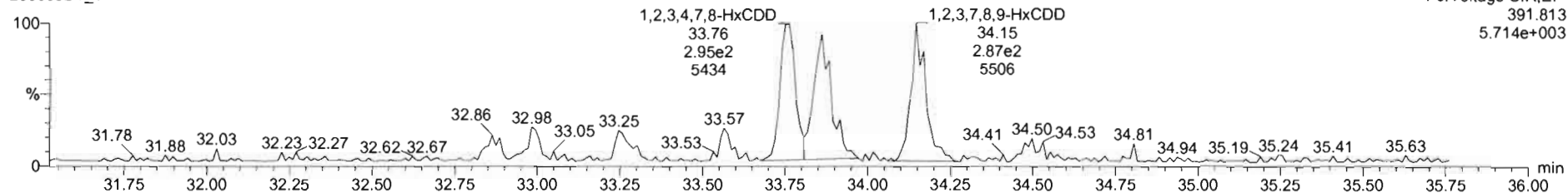
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1,2,3,4,7,8-HxCDD

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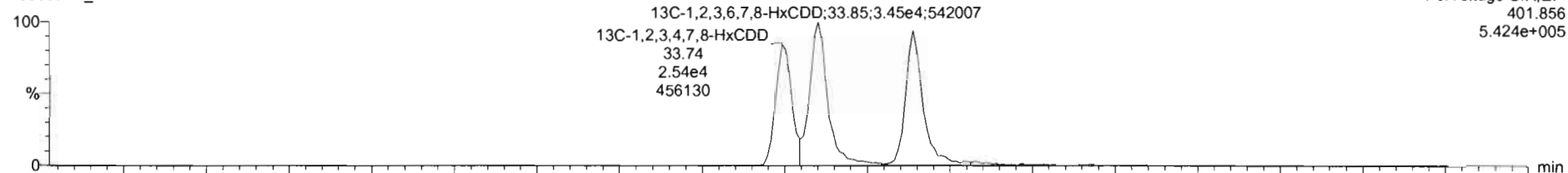


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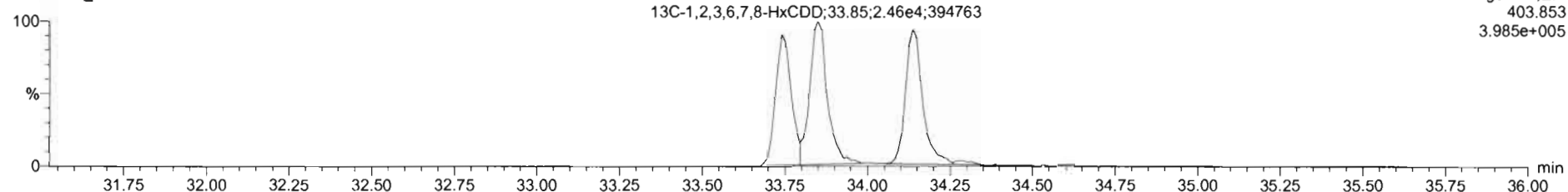


13C-1,2,3,4,7,8-HxCDD

200309D1_1



200309D1_1



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

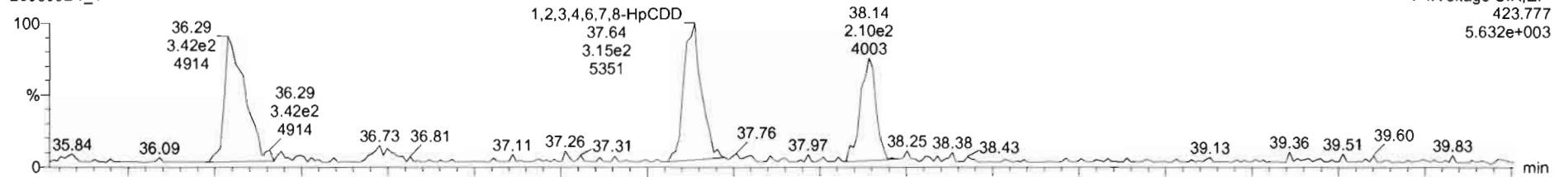
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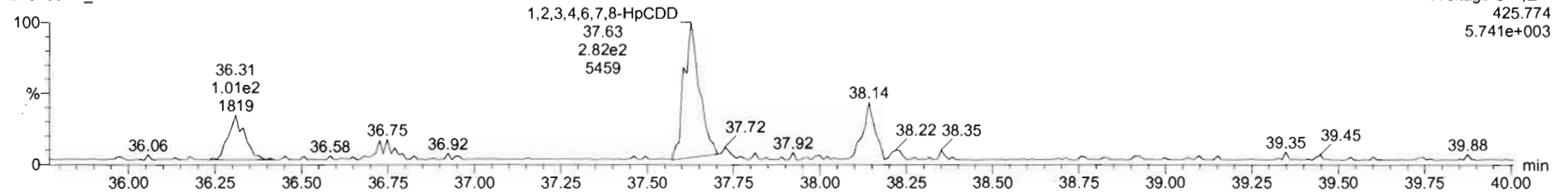
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1,2,3,4,6,7,8-HpCDD

200309D1_1

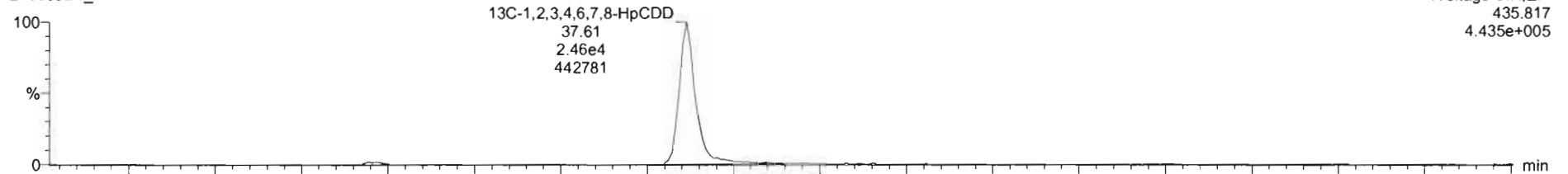


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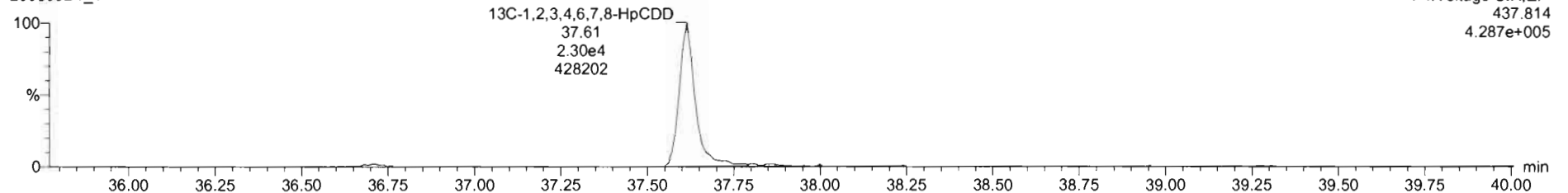


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200309D1_1



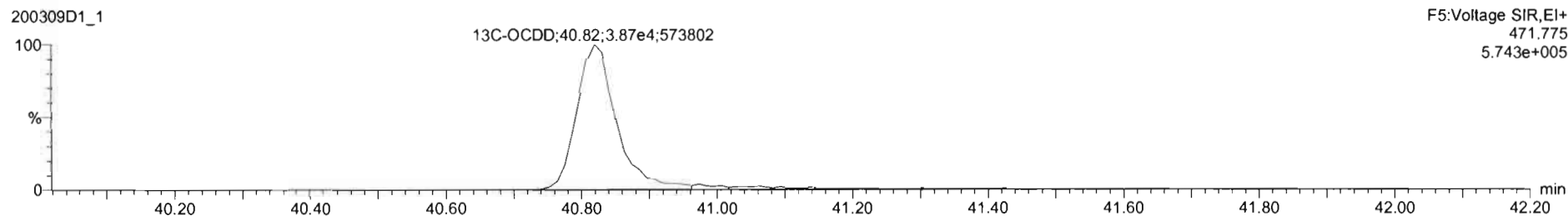
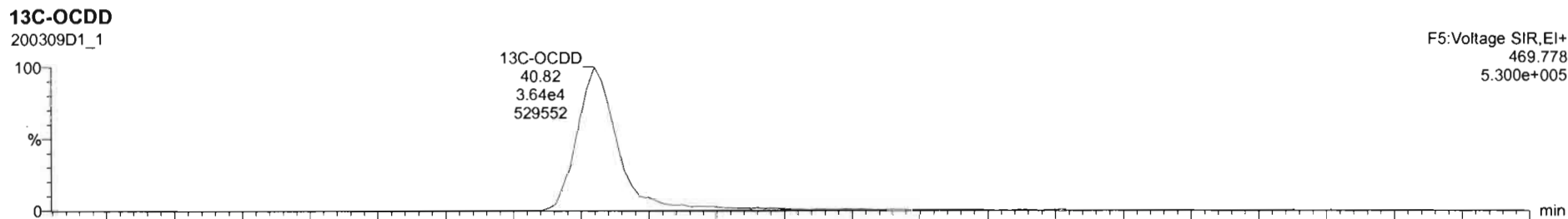
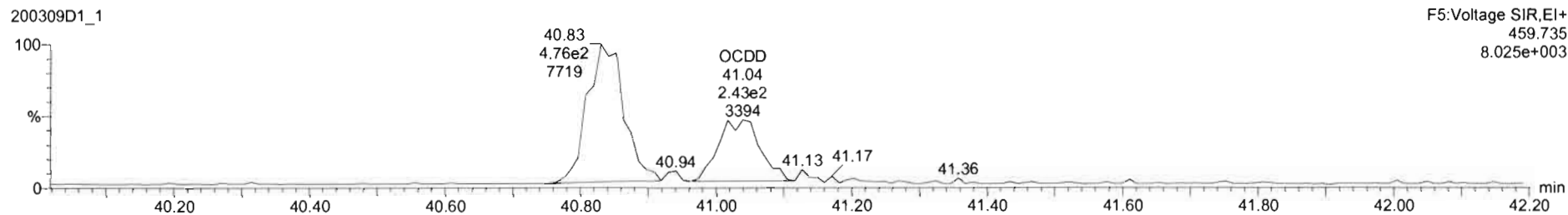
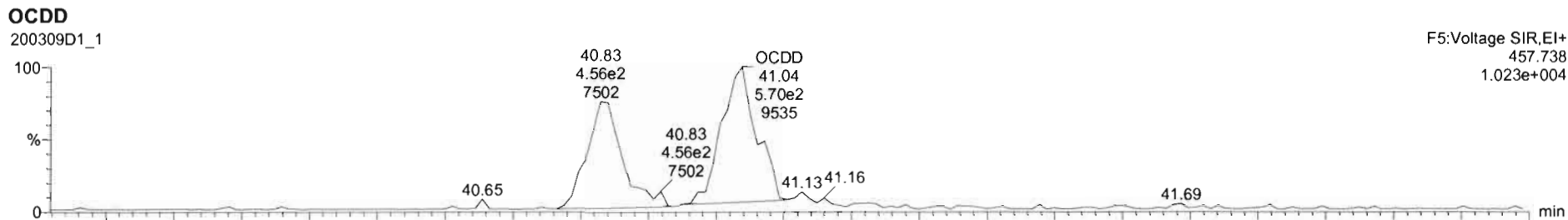
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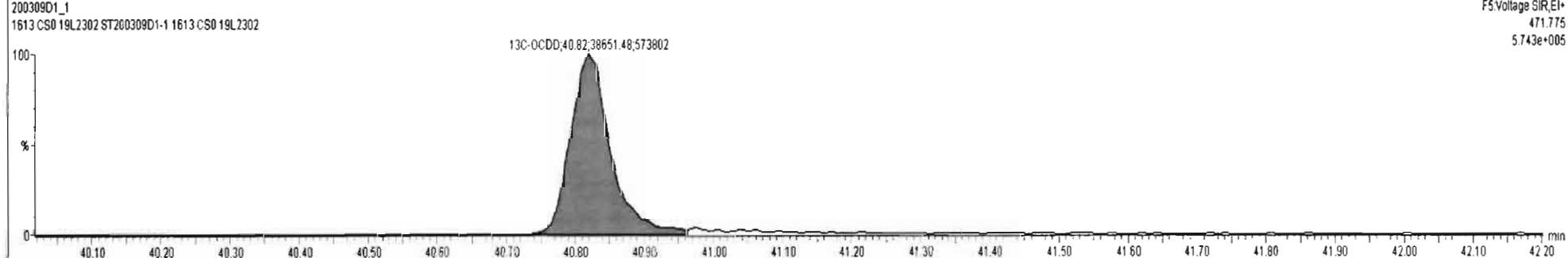
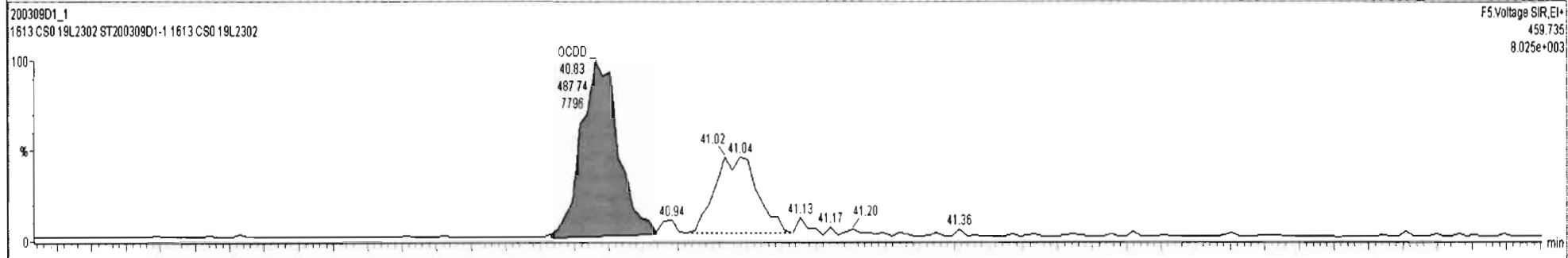
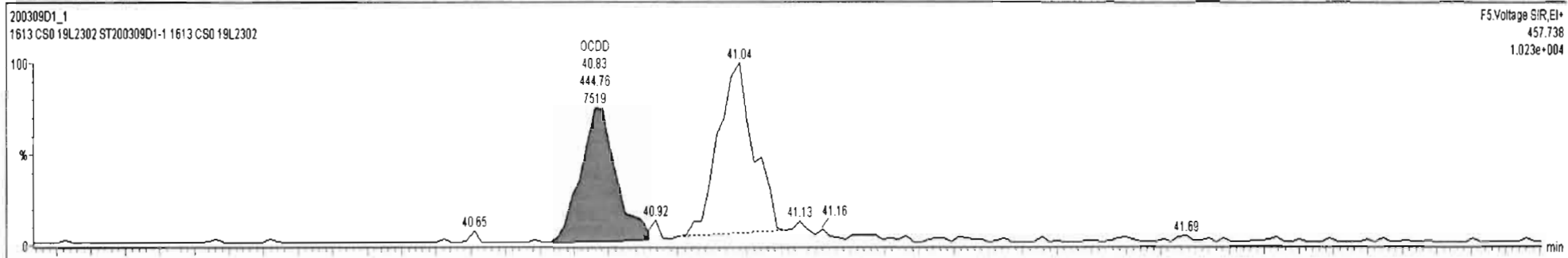


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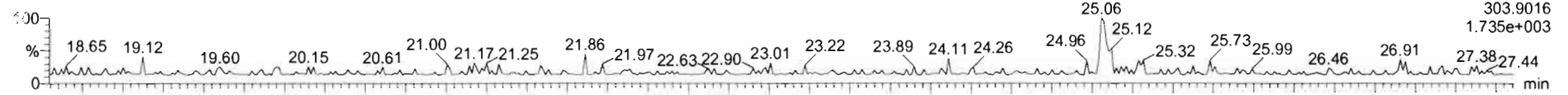
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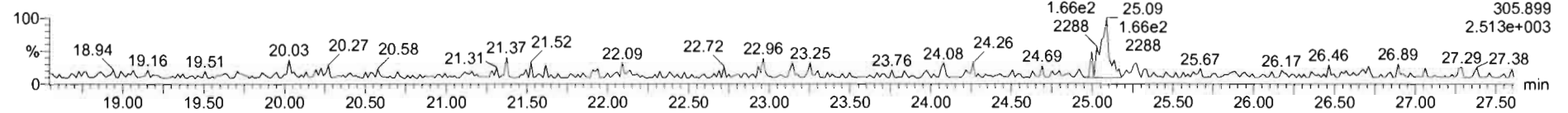
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2,3,7,8-TCDF

200309D1_1

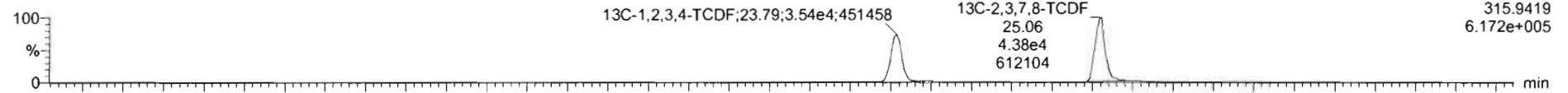


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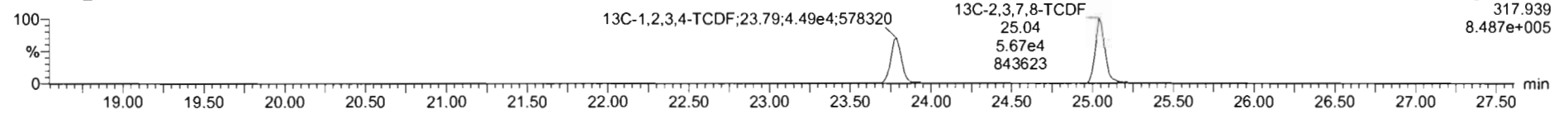


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200309D1_1

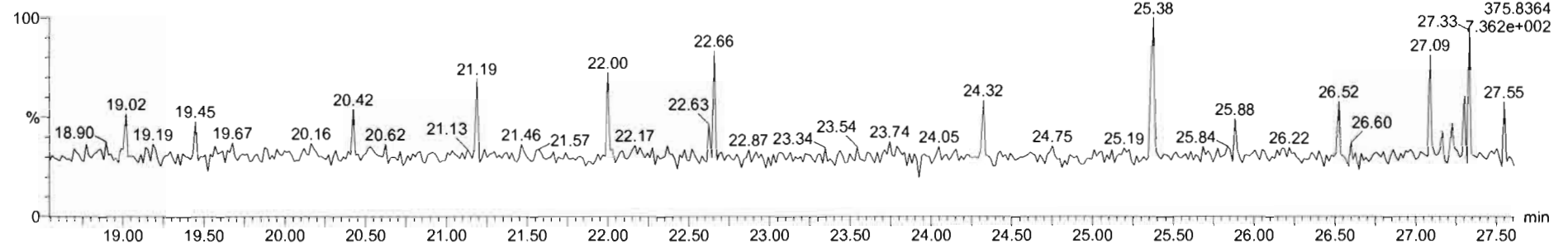


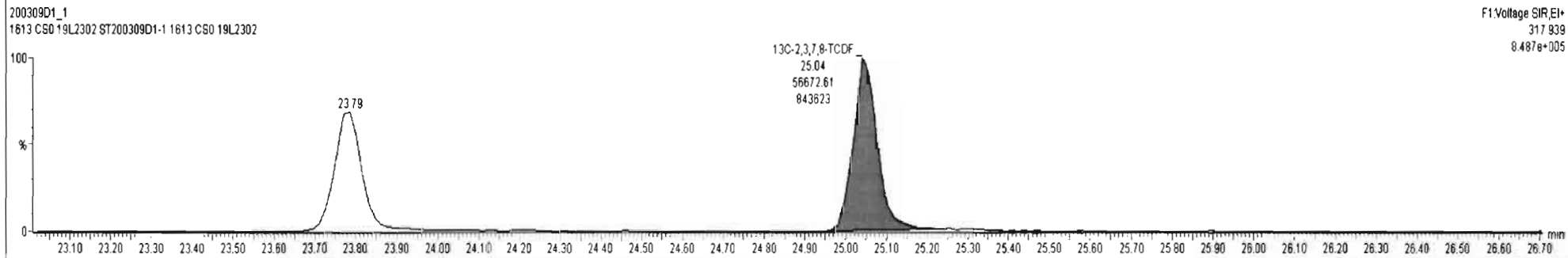
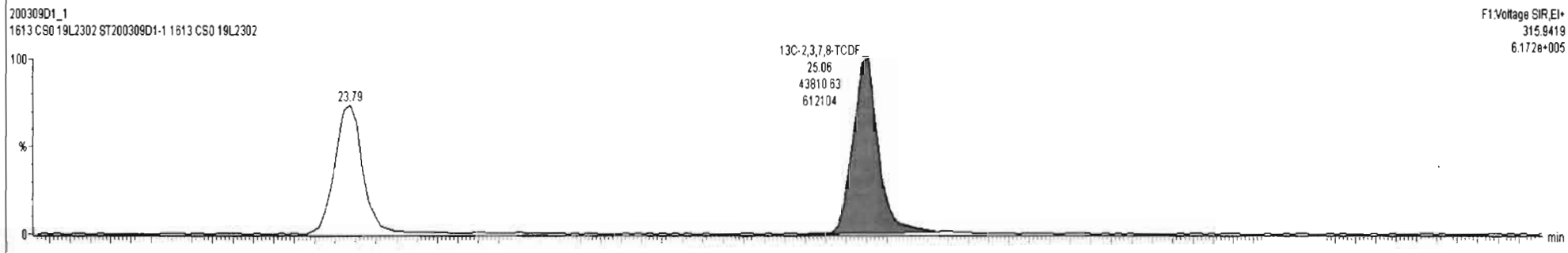
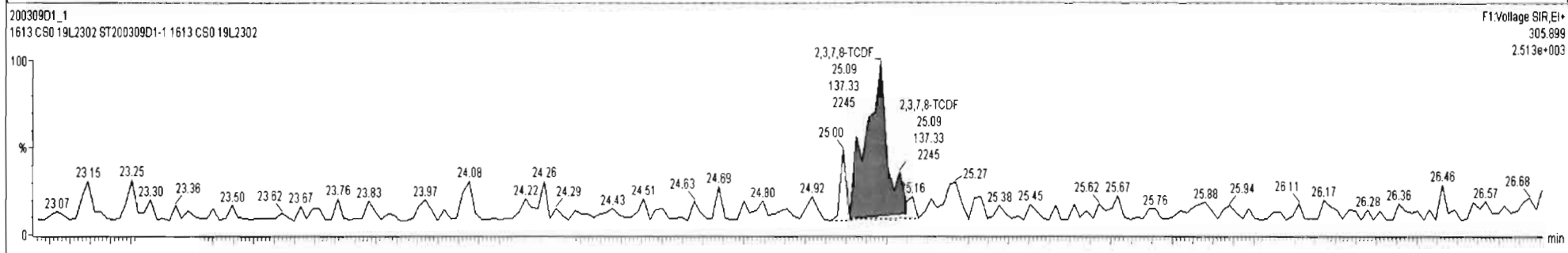
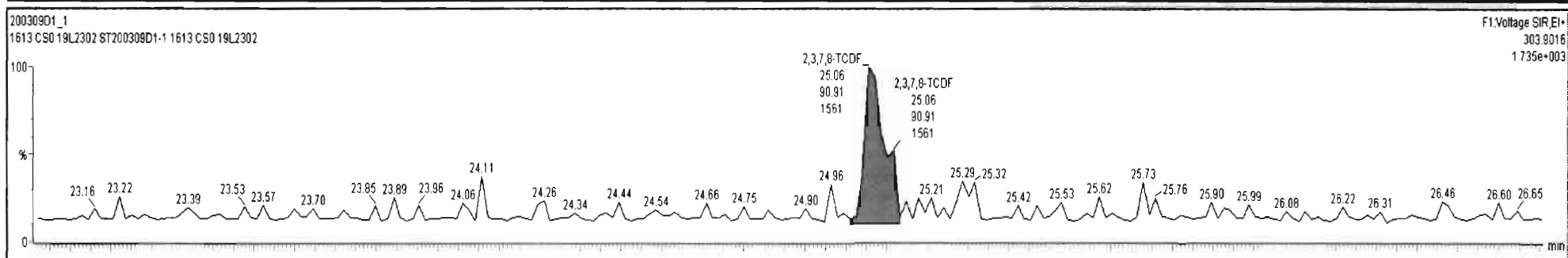
200309D1_1



DPE1

200309D1_1



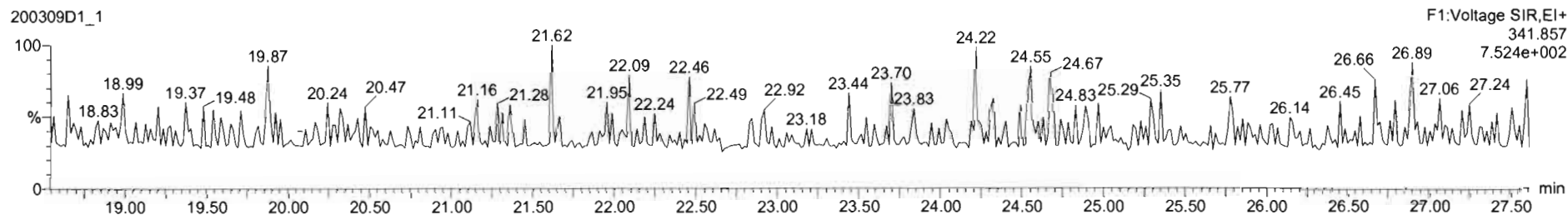
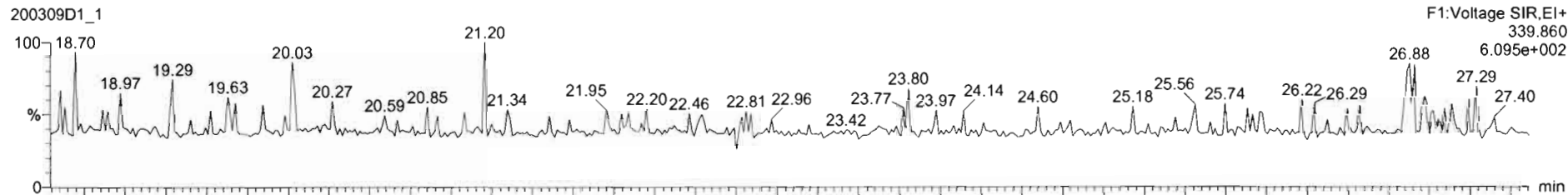


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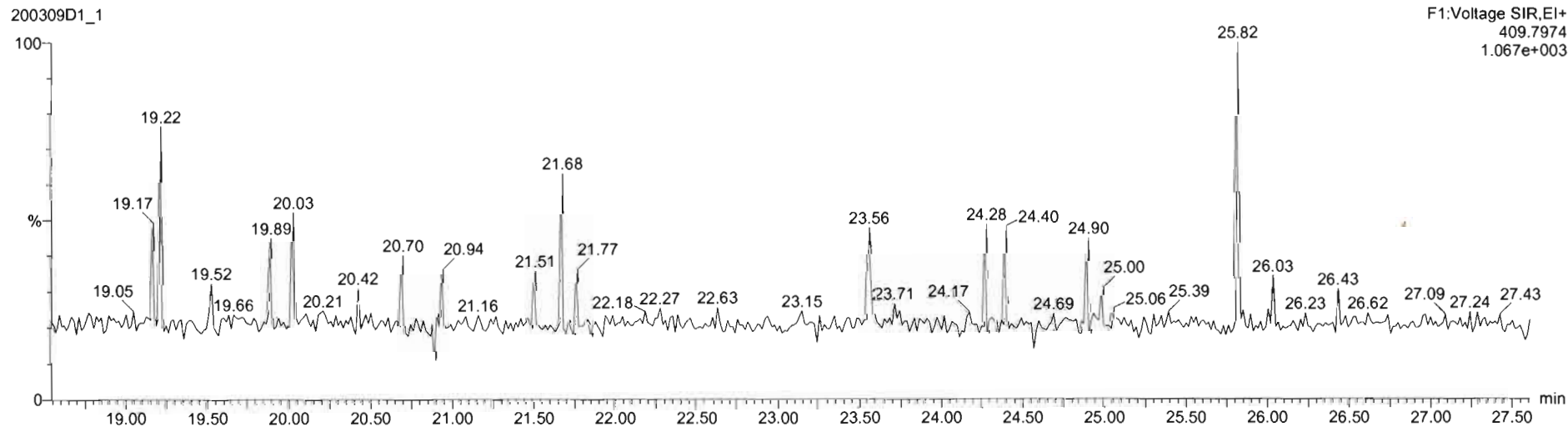
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Name: 200309D1_1, Date: 09-Mar-2020, Time: 12:30:36, ID: ST200309D1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

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DPE6

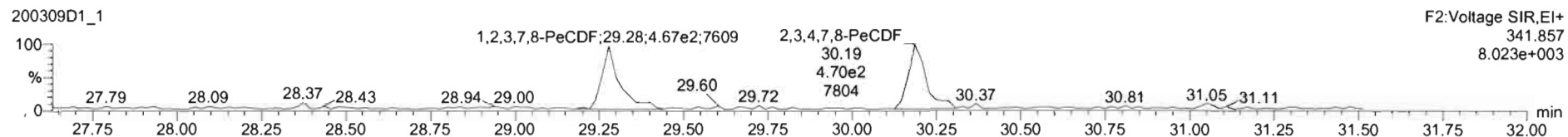
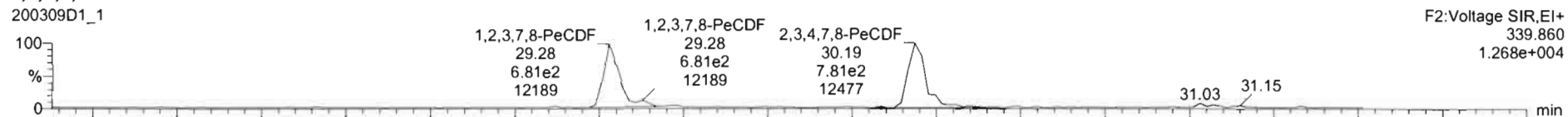


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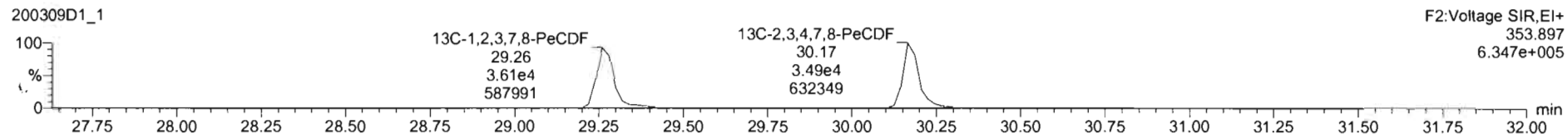
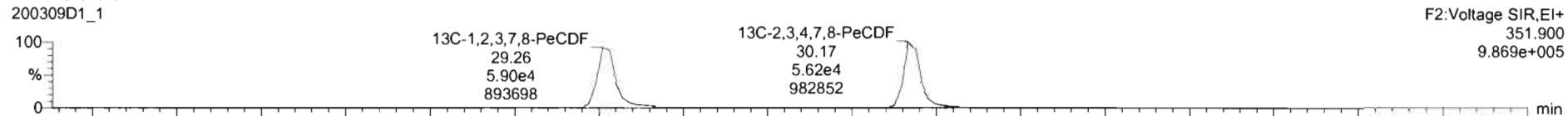
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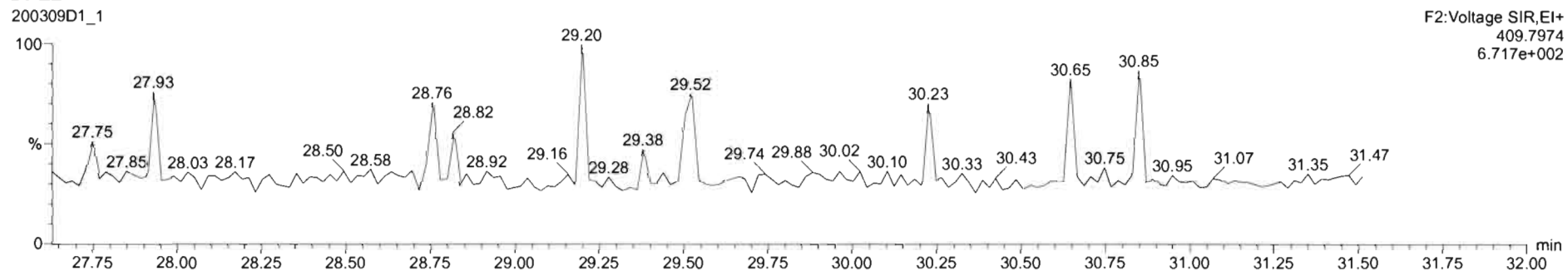
1,2,3,7,8-PeCDF



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



DPE2

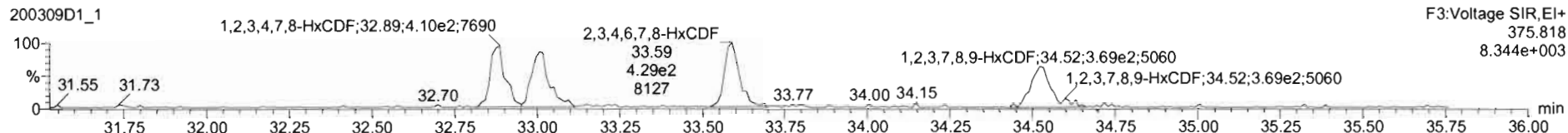
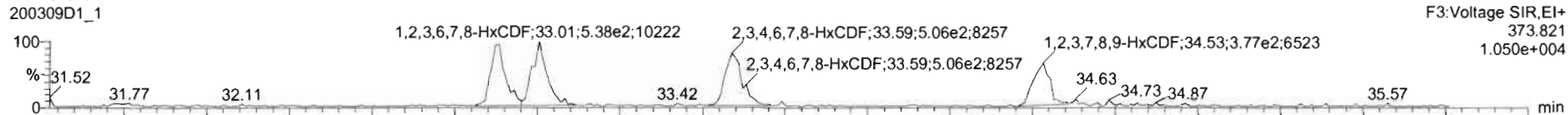


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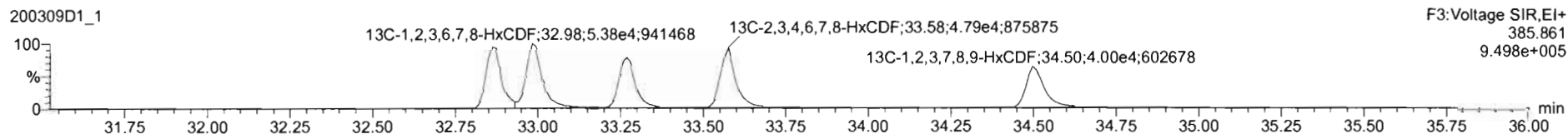
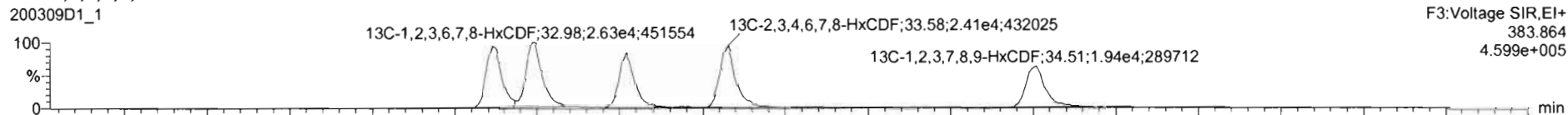
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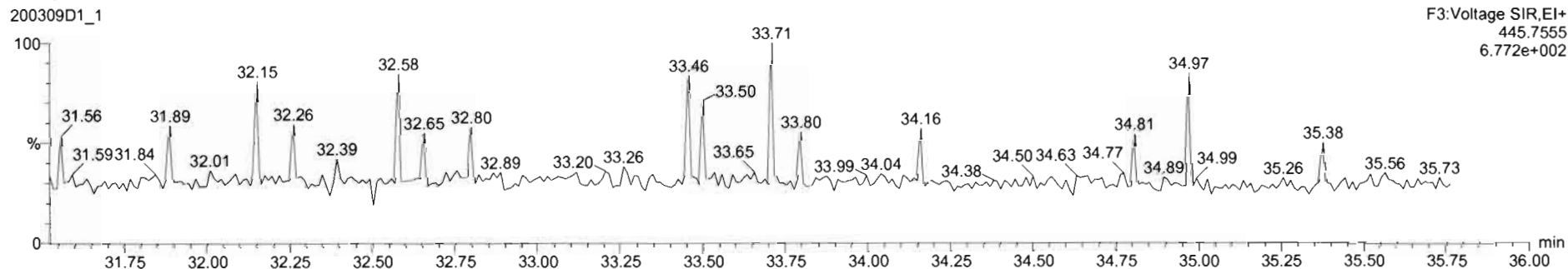
1,2,3,4,7,8-HxCDF

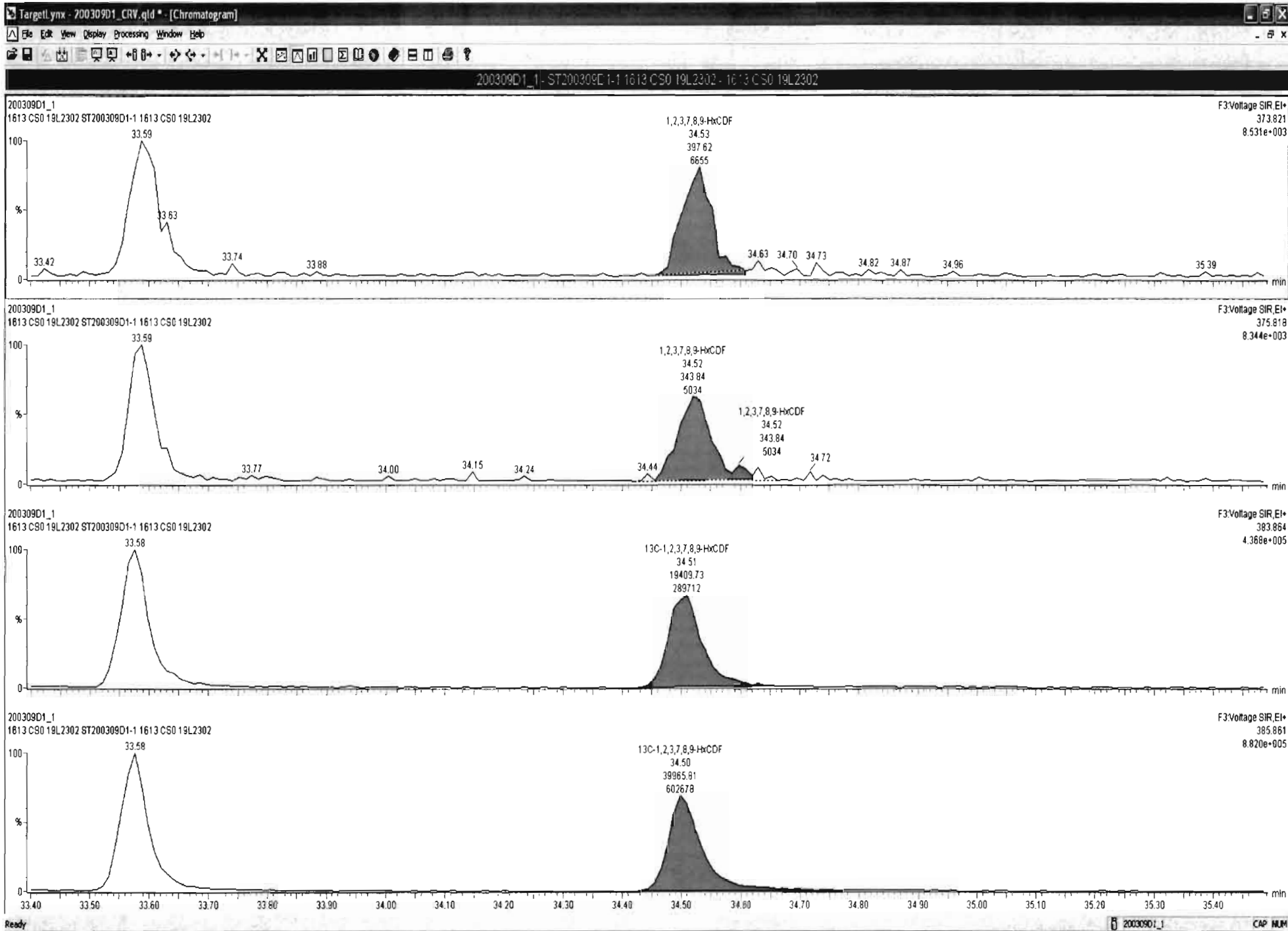


13C-1,2,3,4,7,8-HxCDF



DPE3



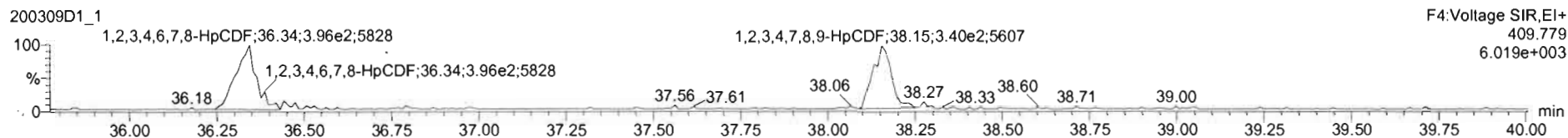
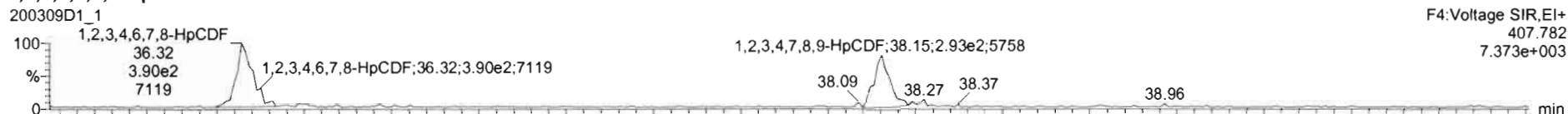


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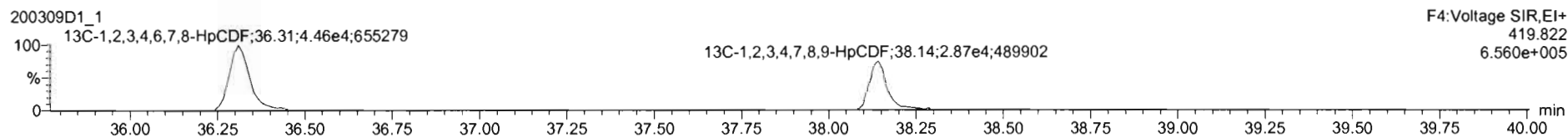
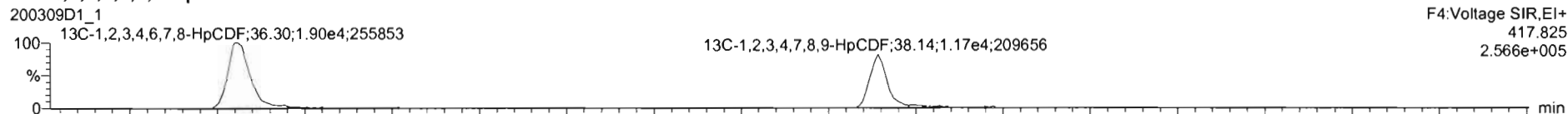
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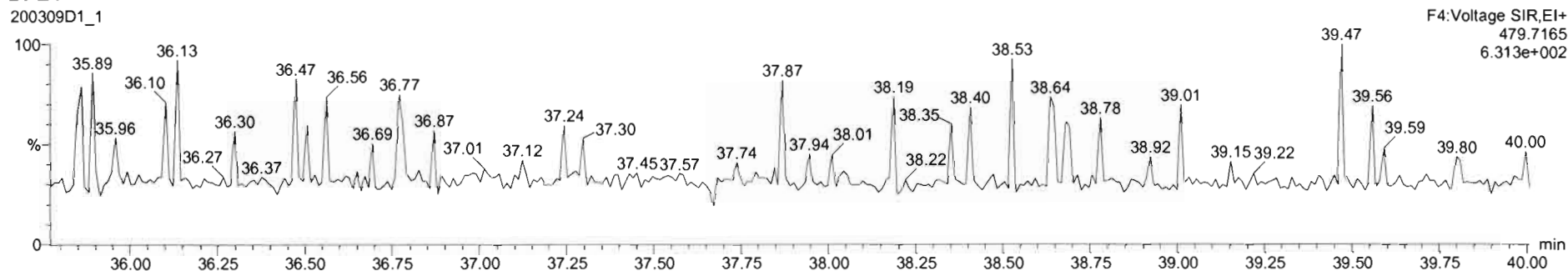
1,2,3,4,6,7,8-HpCDF

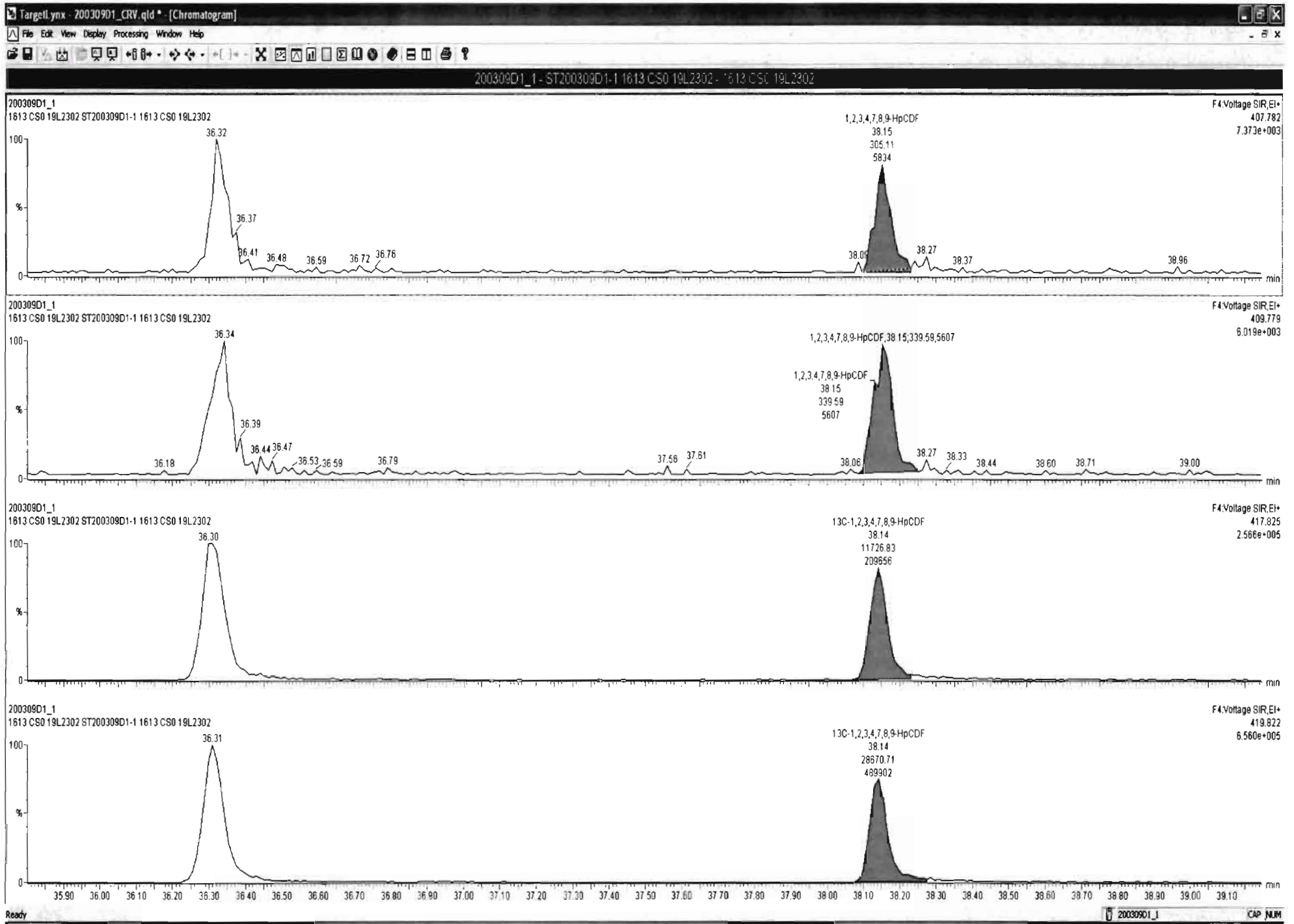


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DPE4

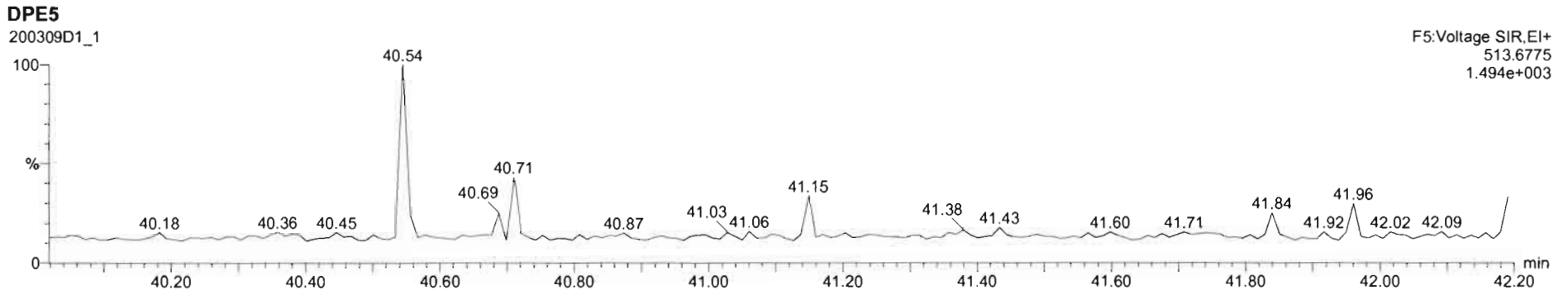
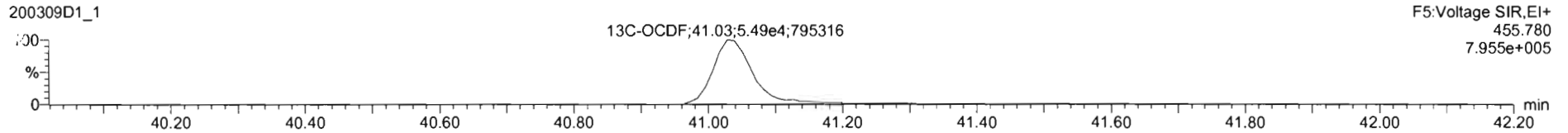
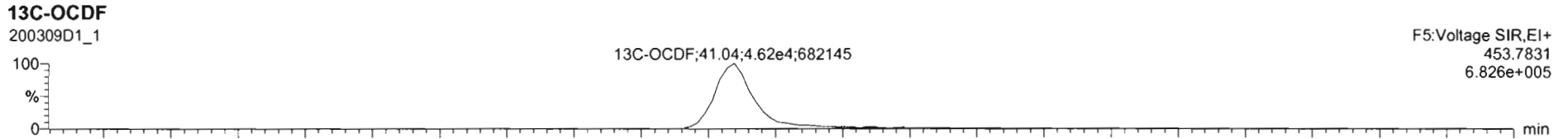
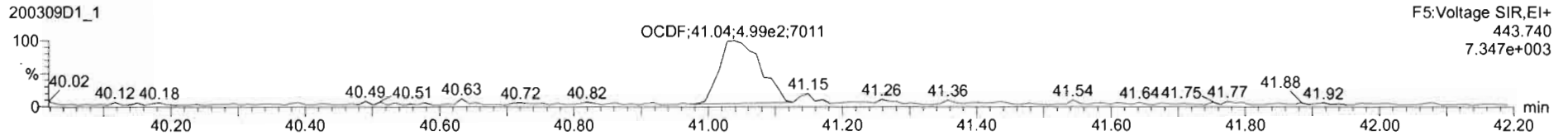
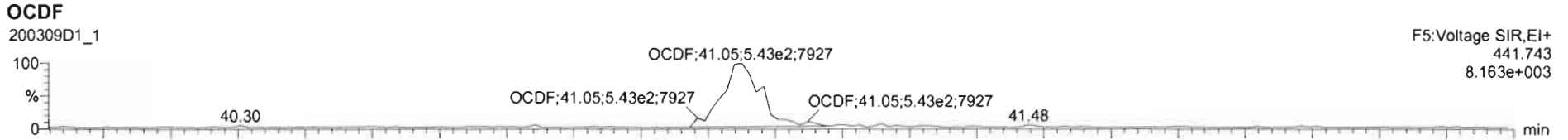


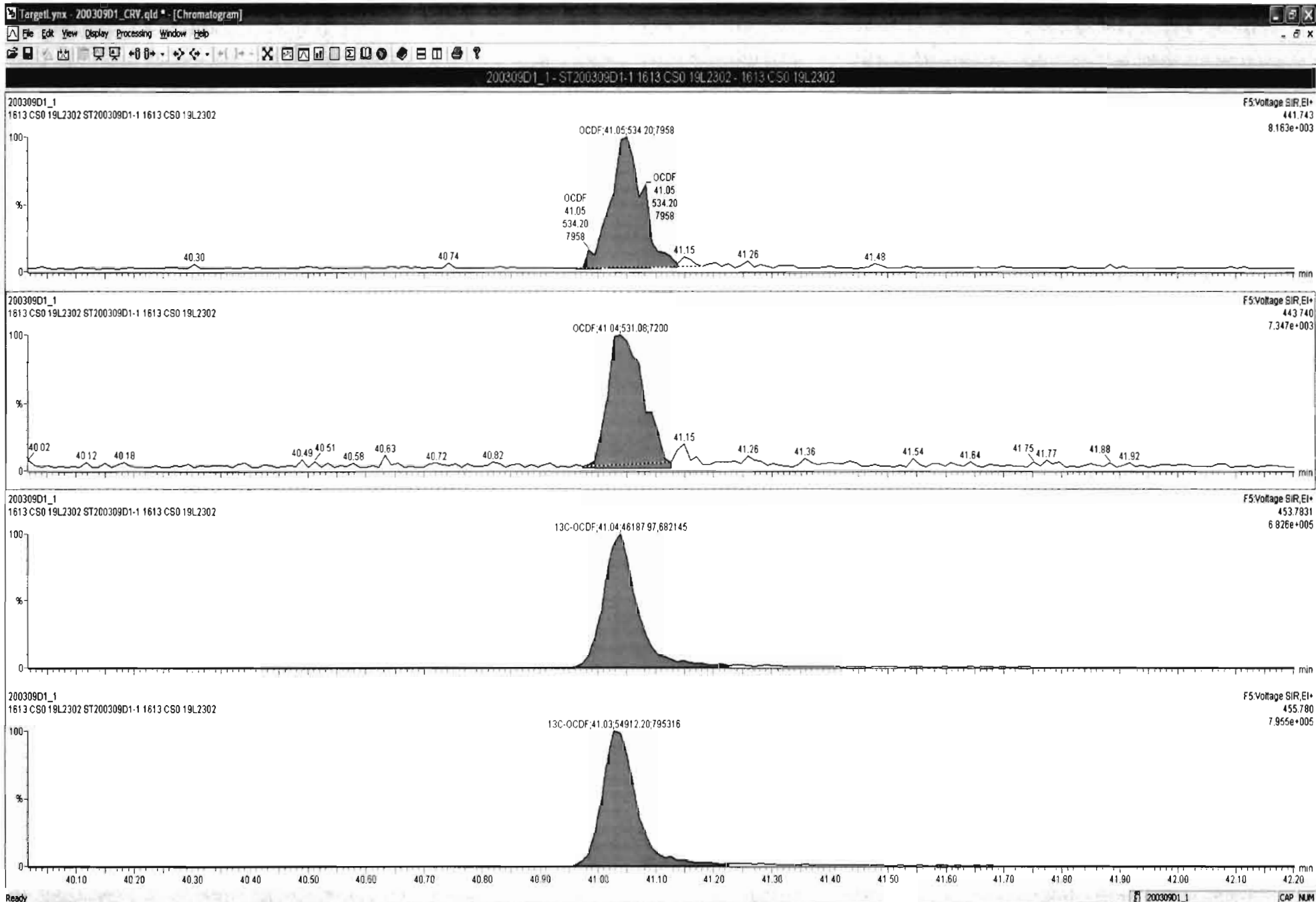


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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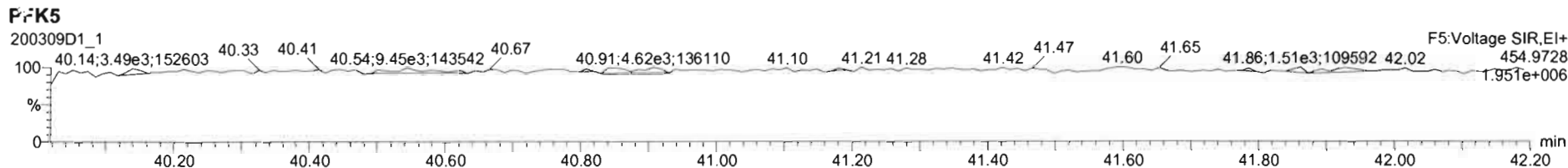
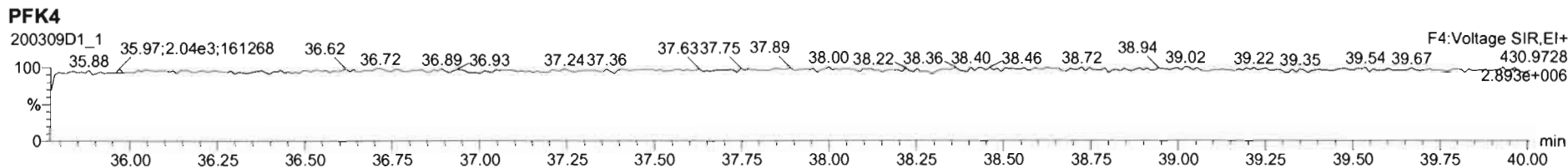
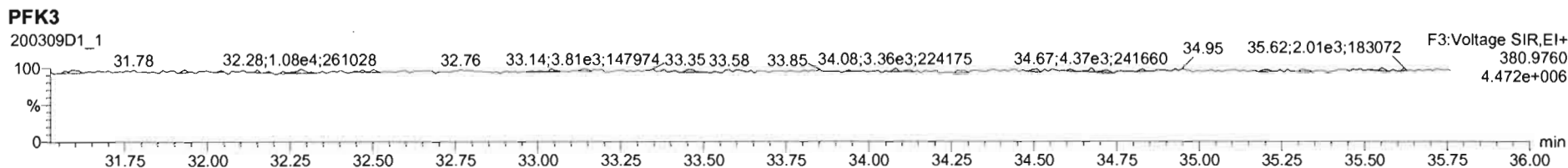
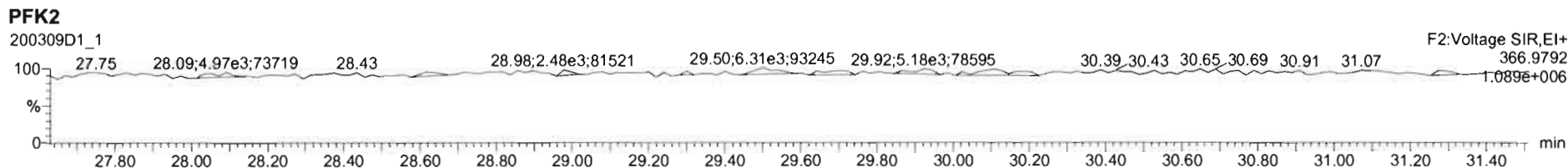
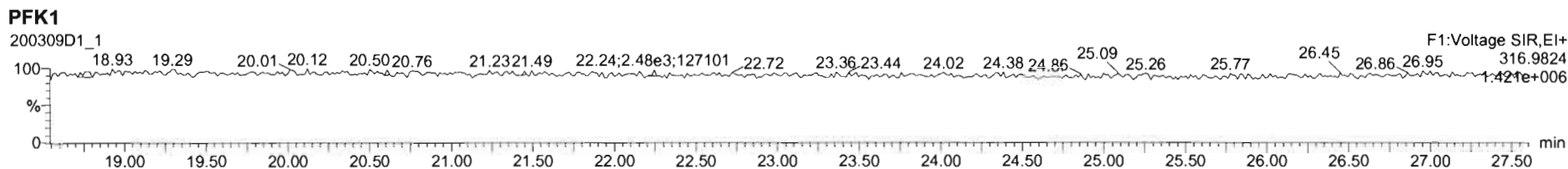




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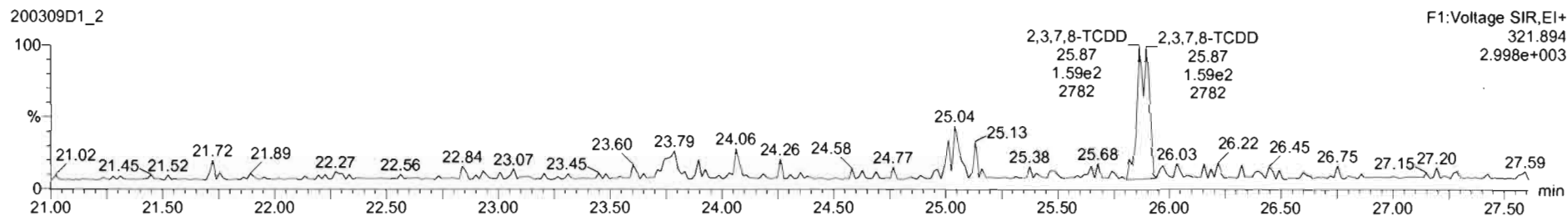
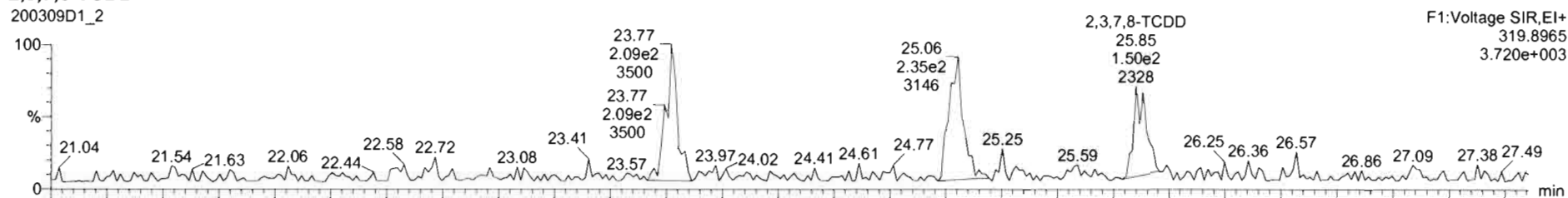


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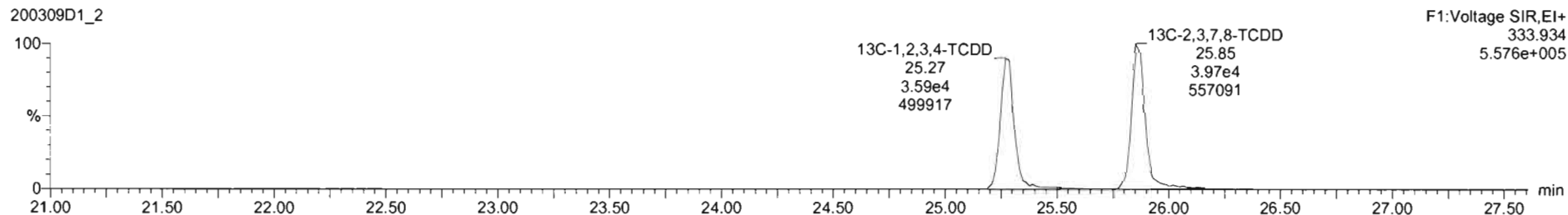
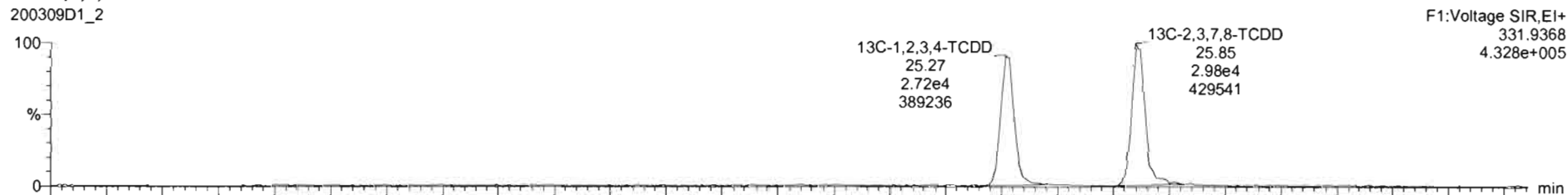
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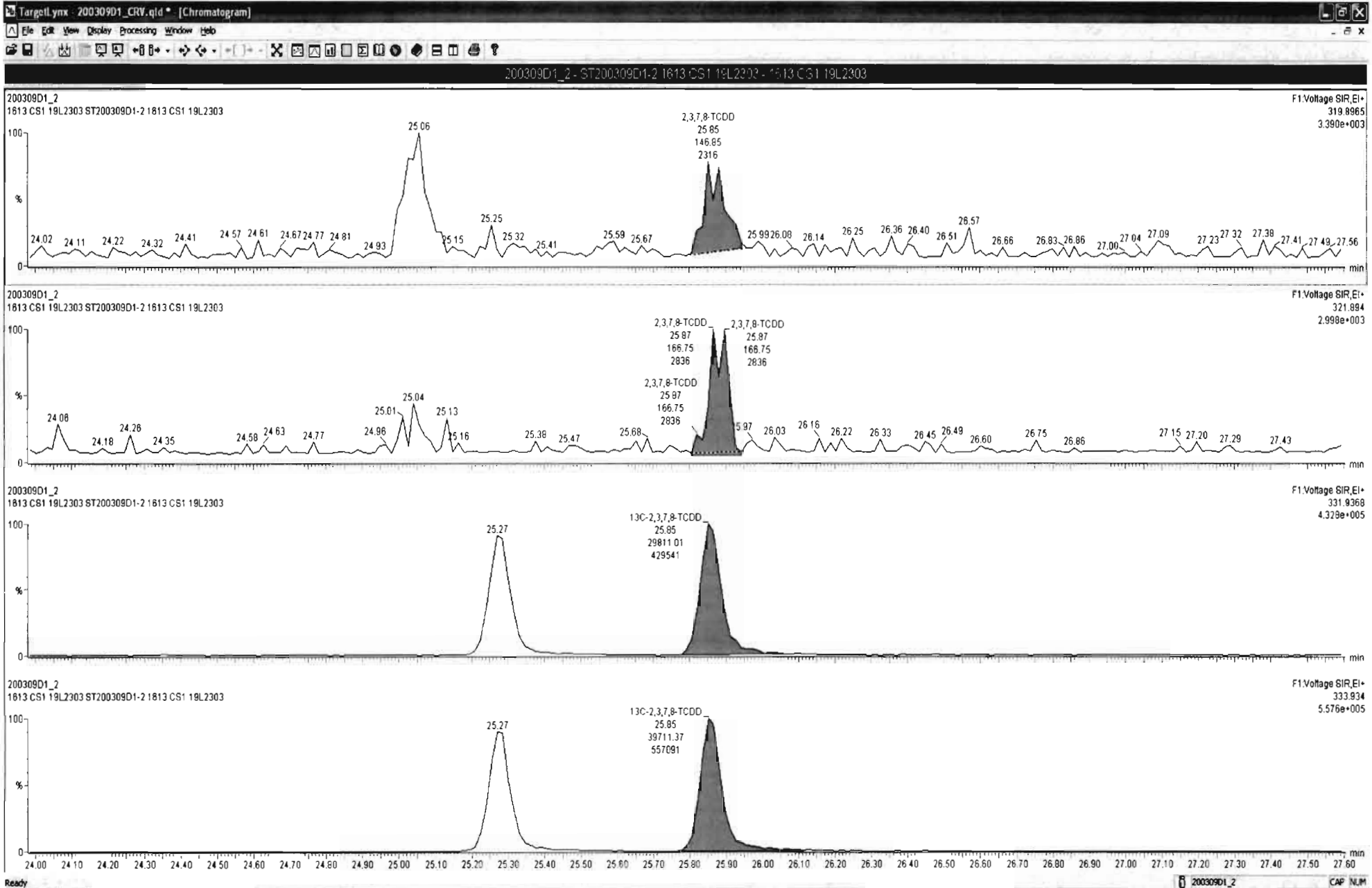
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2,3,7,8-TCDD



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





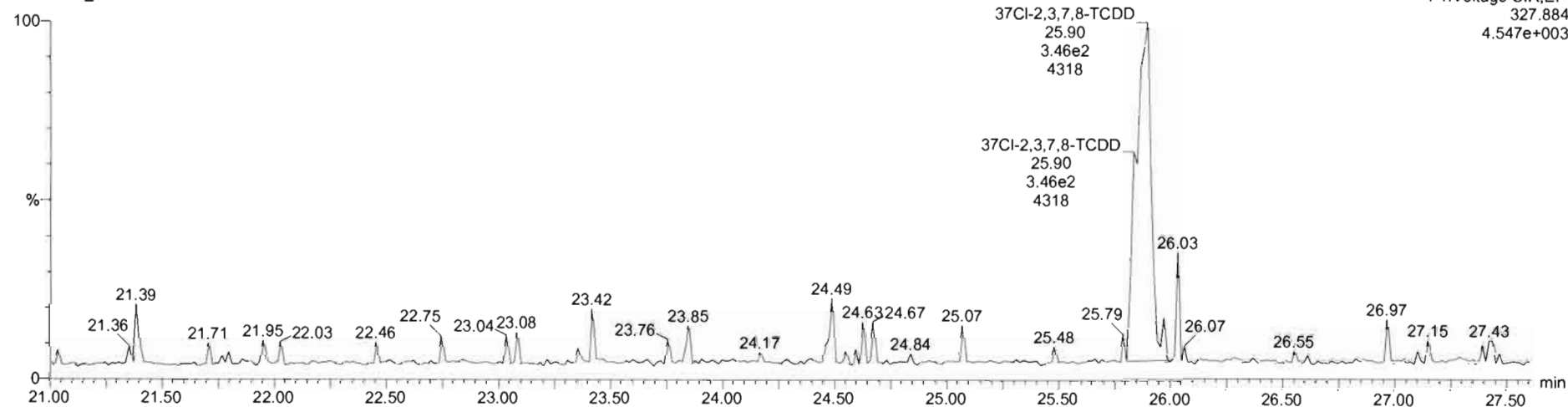
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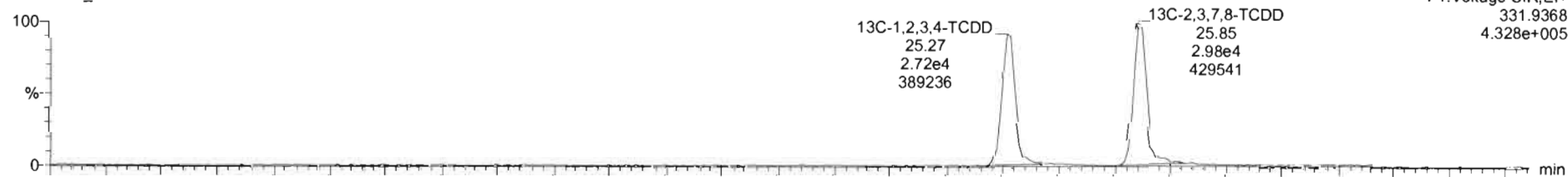
37Cl-2,3,7,8-TCDD

200309D1_2

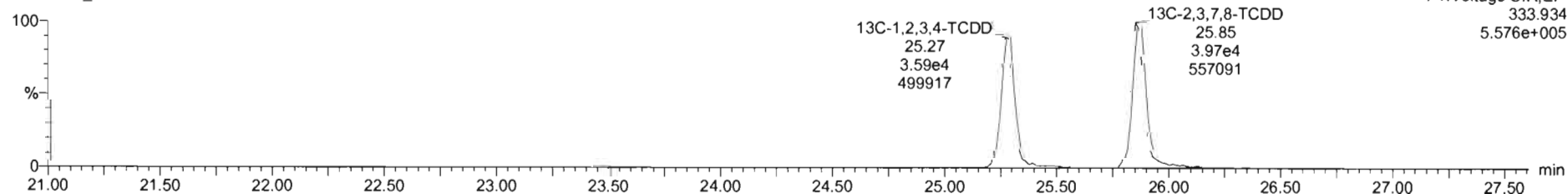


13C-1,2,3,4-TCDD

200309D1_2



200309D1_2



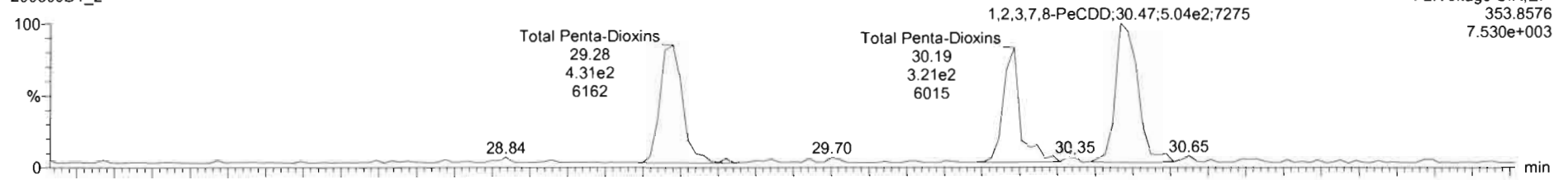
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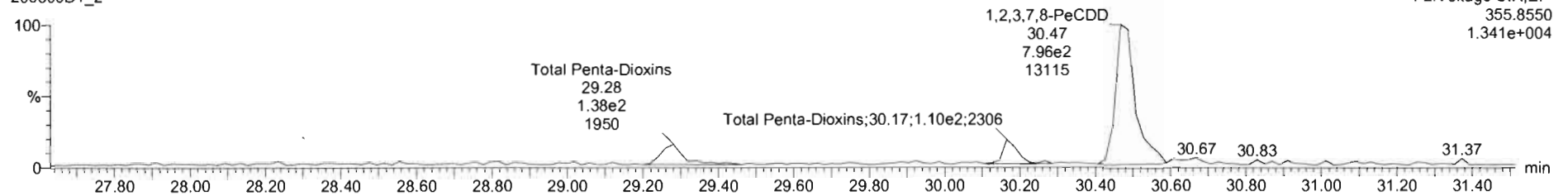
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1,2,3,7,8-PeCDD

200309D1_2

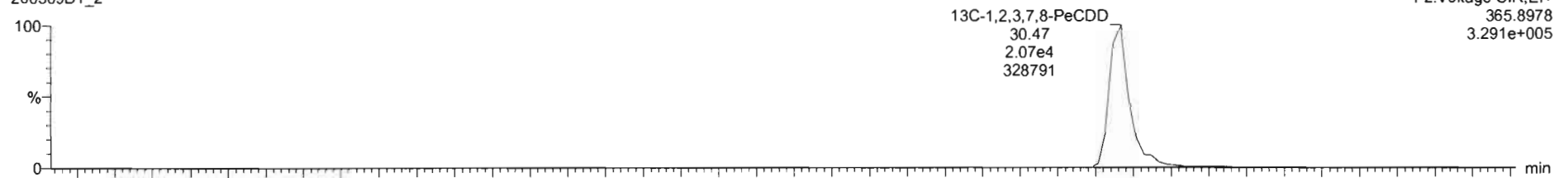


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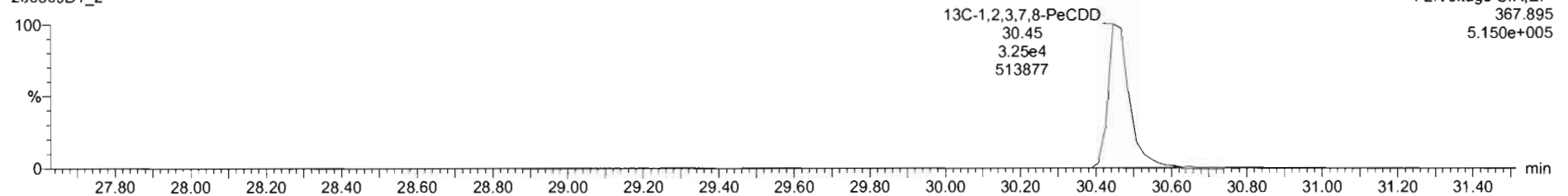


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200309D1_2



200309D1_2



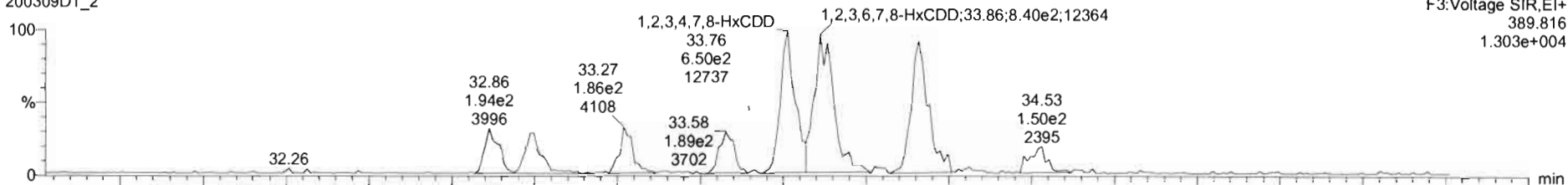
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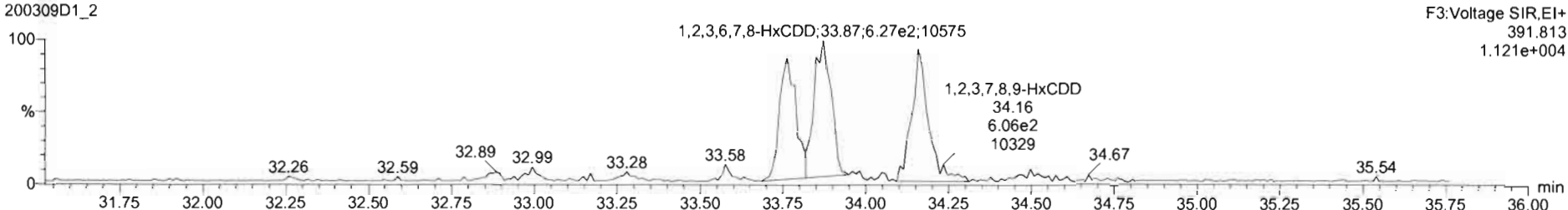
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1,2,3,4,7,8-HxCDD

200309D1_2

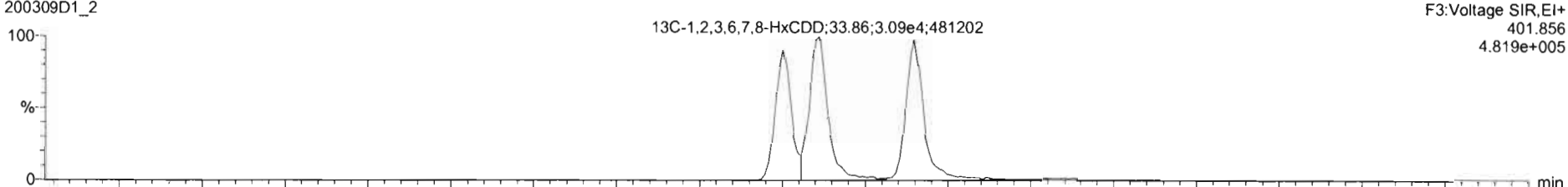


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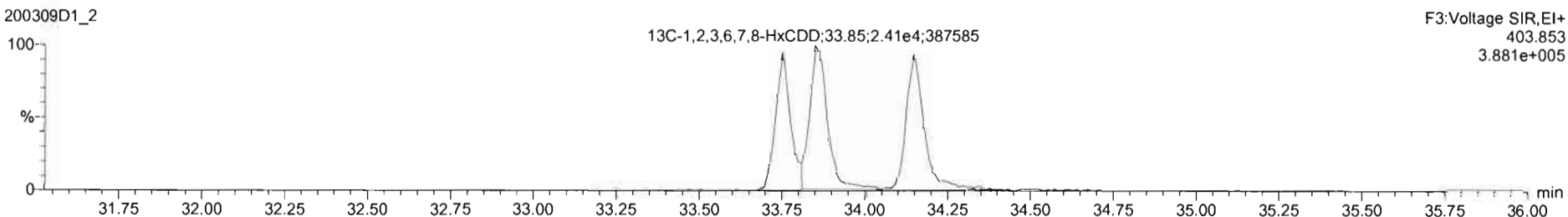


13C-1,2,3,4,7,8-HxCDD

200309D1_2



200309D1_2



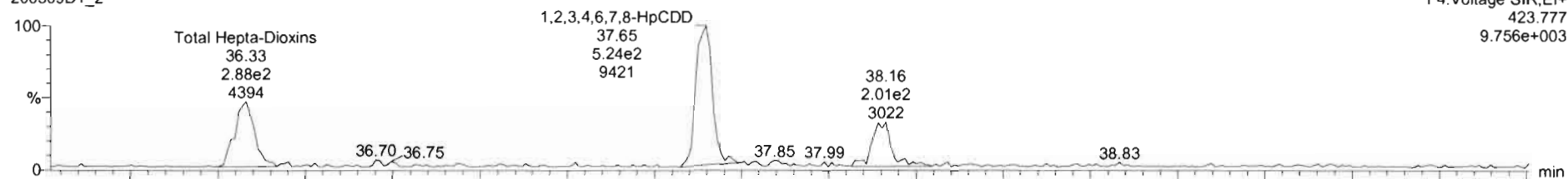
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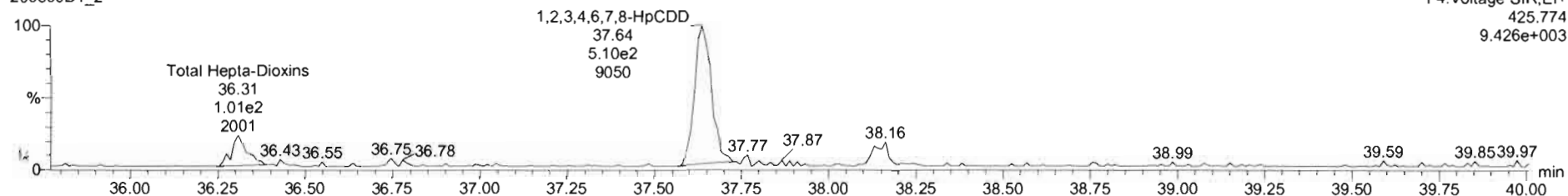
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1,2,3,4,6,7,8-HpCDD

200309D1_2

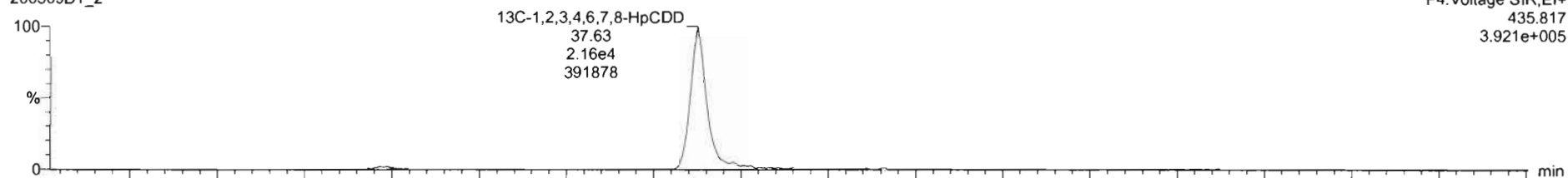


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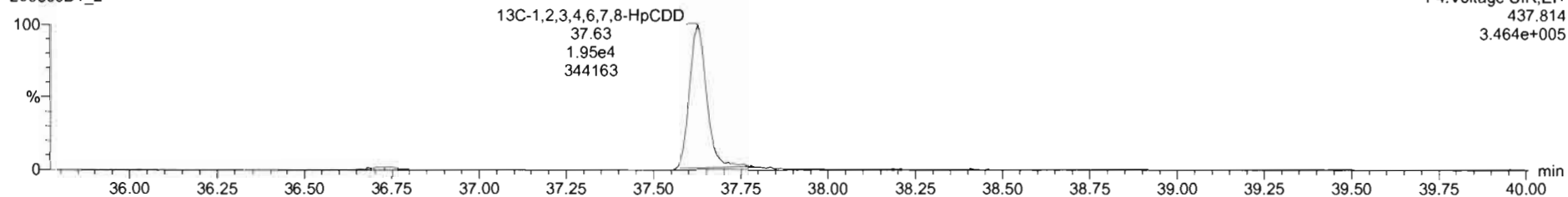


13C-1,2,3,4,6,7,8-HpCDD

200309D1_2



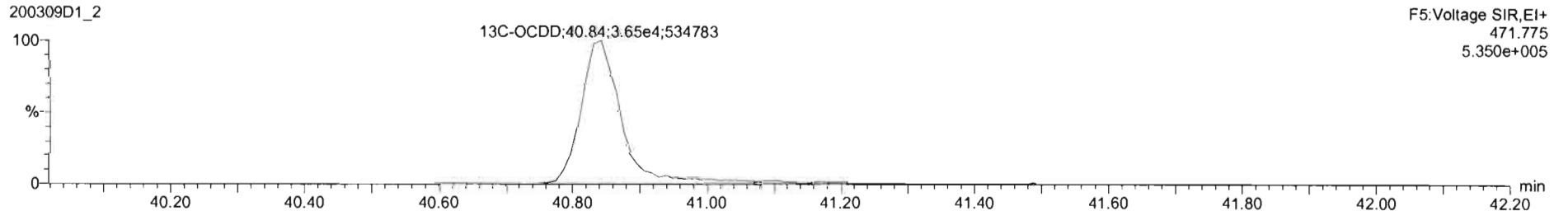
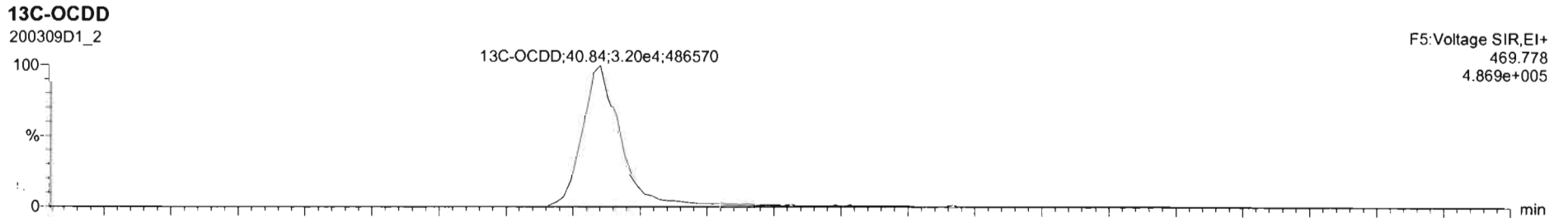
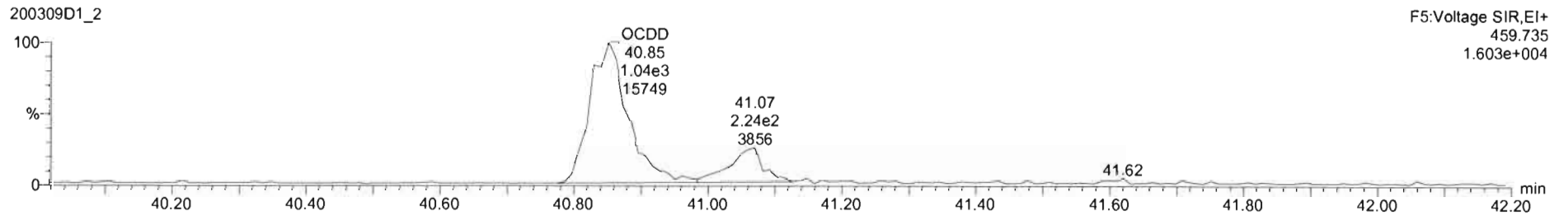
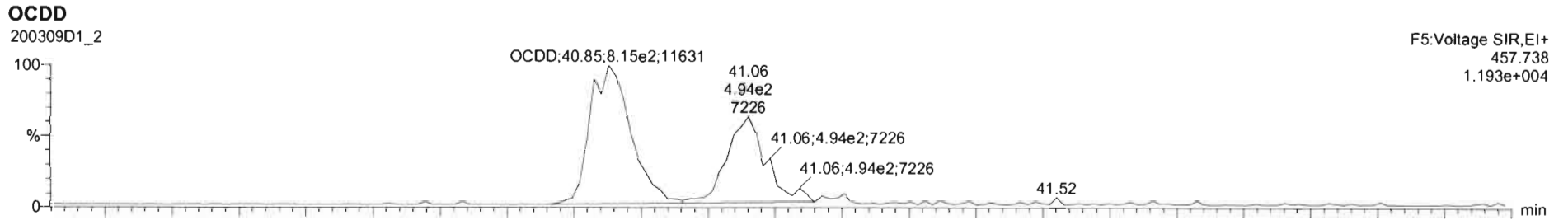
200309D1_2



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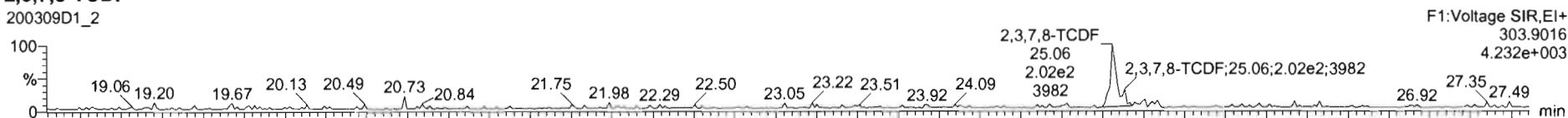
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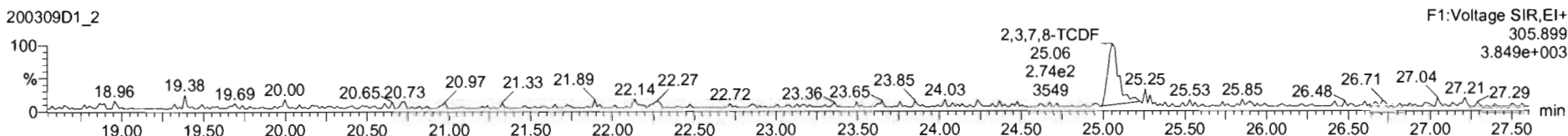
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2,3,7,8-TCDF

200309D1_2

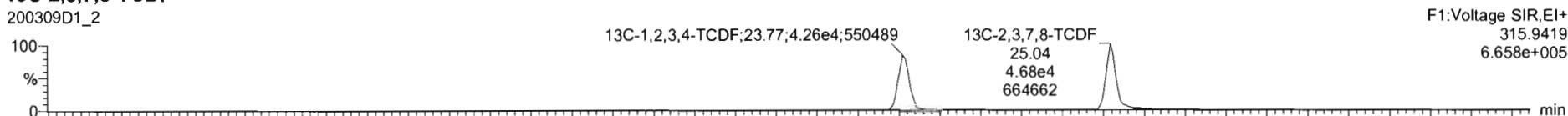


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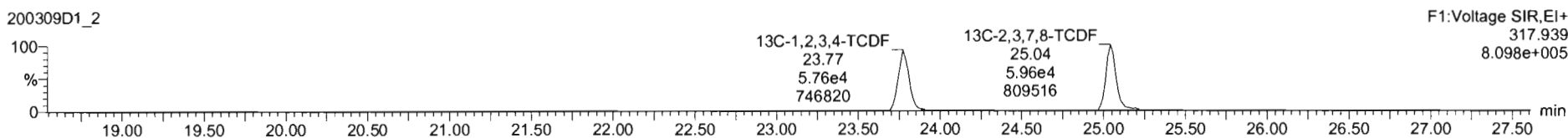


13C-2,3,7,8-TCDF

200309D1_2

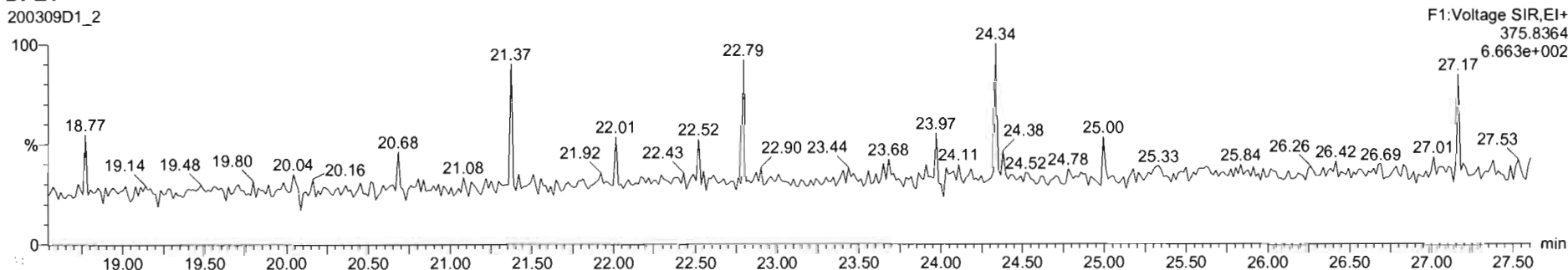


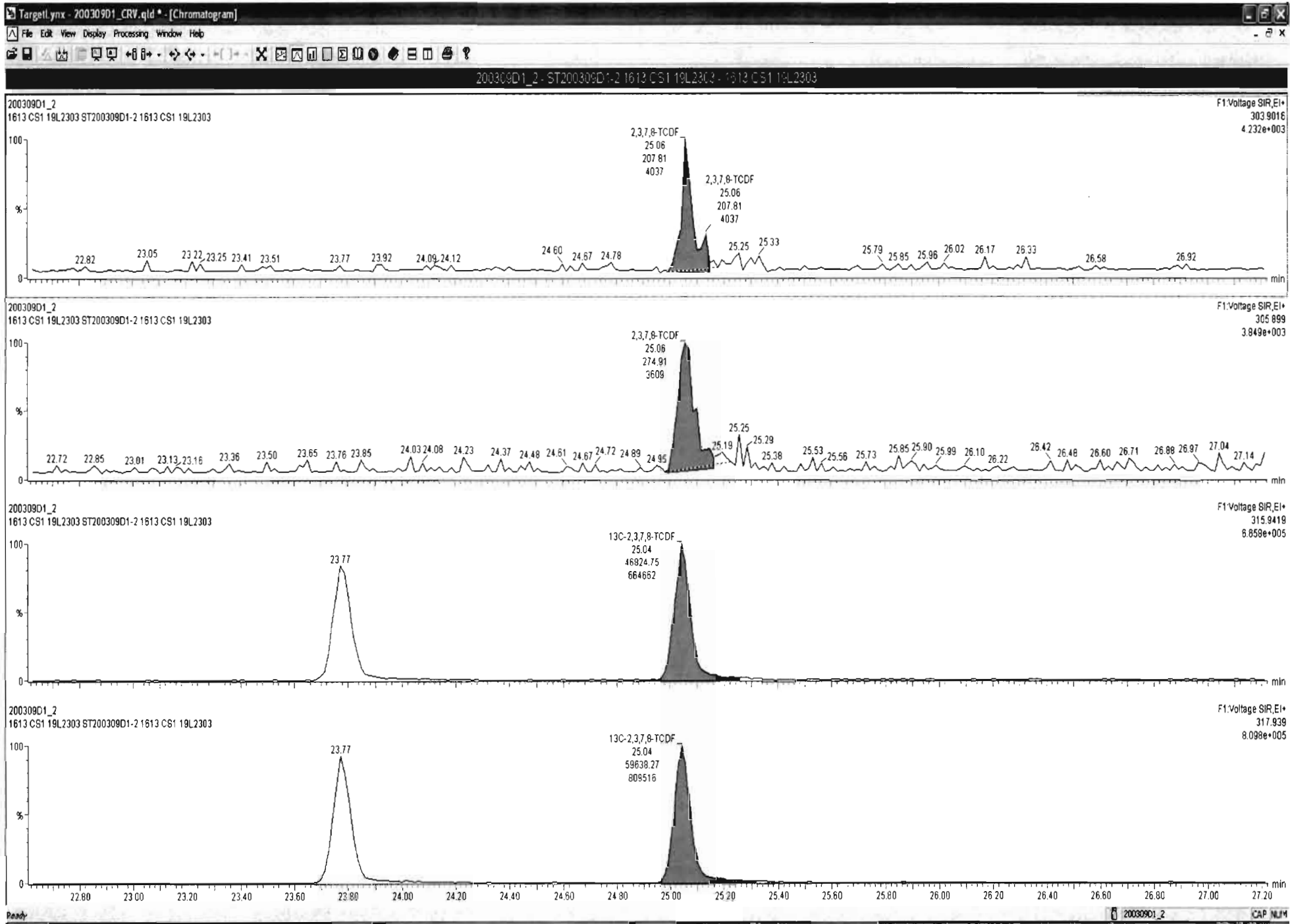
200309D1_2



DPE1

200309D1_2





Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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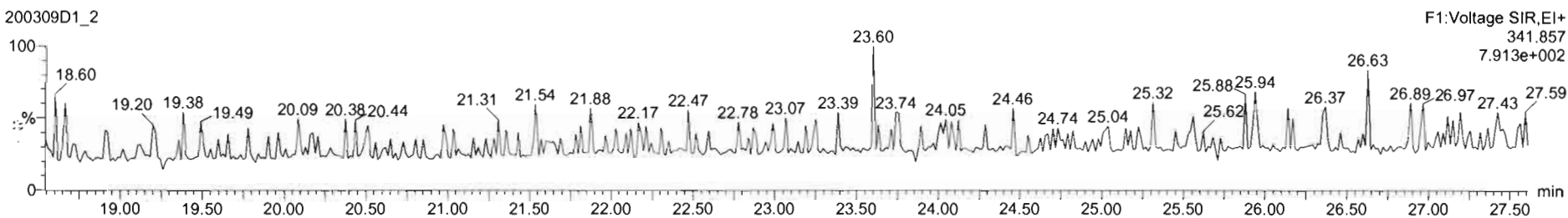
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200309D1_2

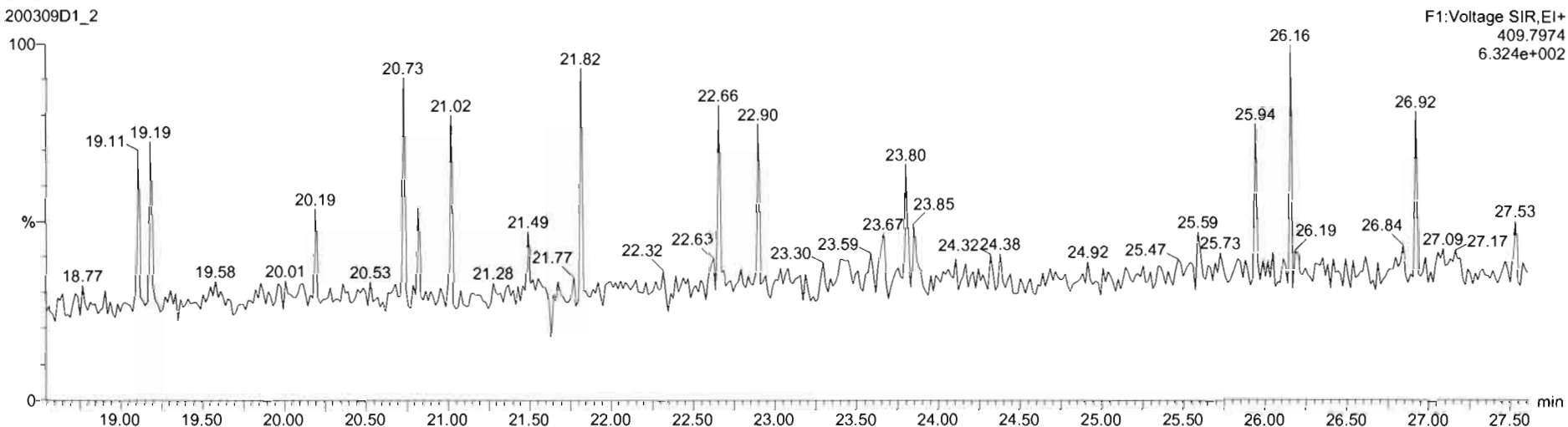


200309D1_2



DPE6

200309D1_2



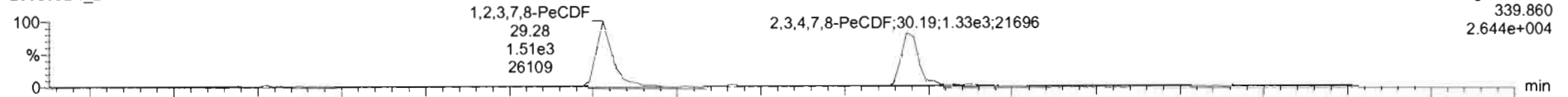
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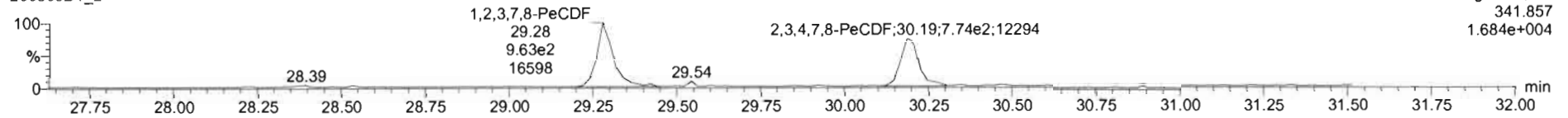
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1,2,3,7,8-PeCDF

200309D1_2

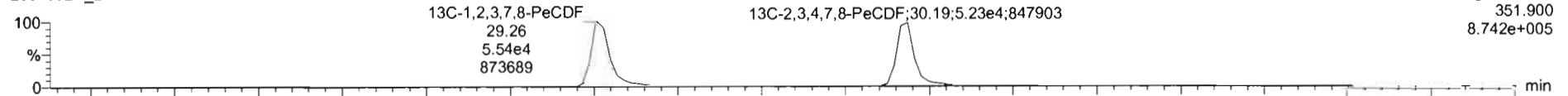


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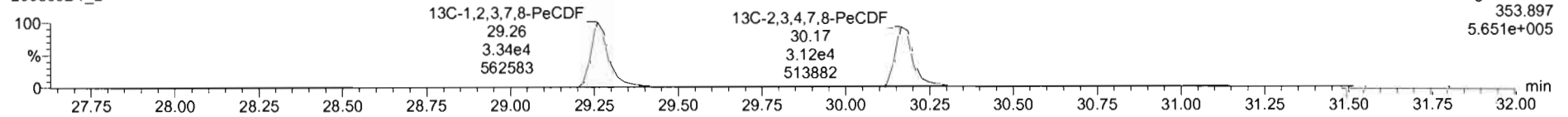


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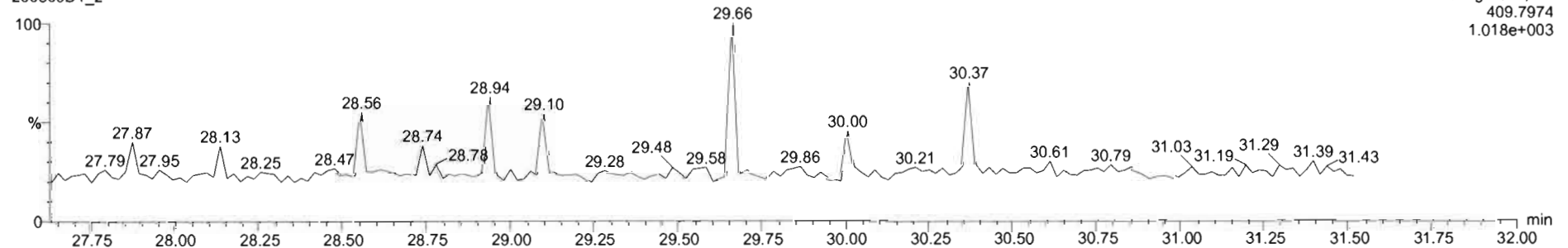


200309D1_2



DPE2

200309D1_2



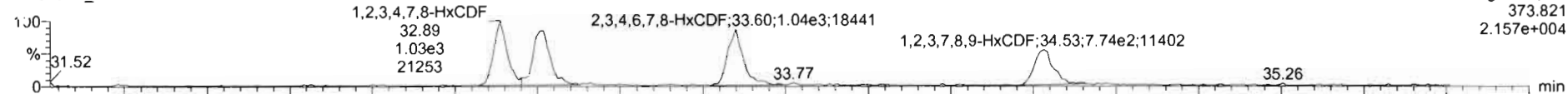
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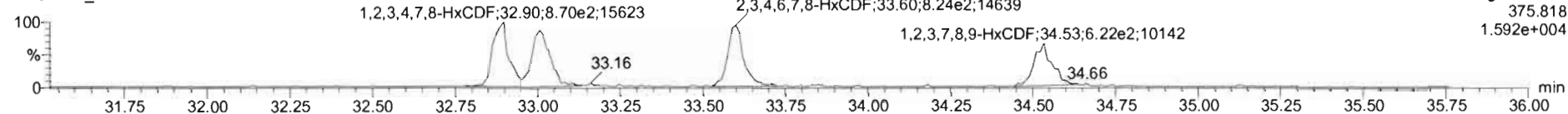
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1,2,3,4,7,8-HxCDF

200309D1_2

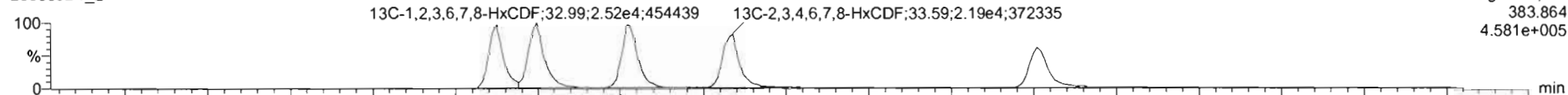


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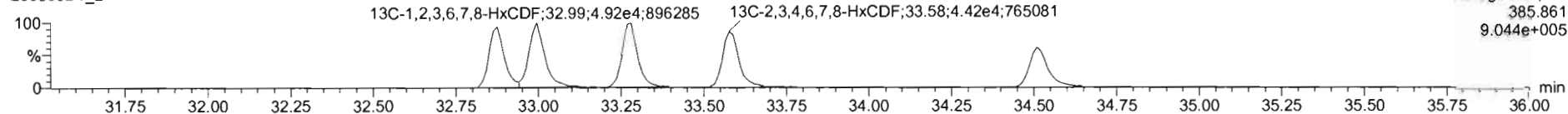


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200309D1_2

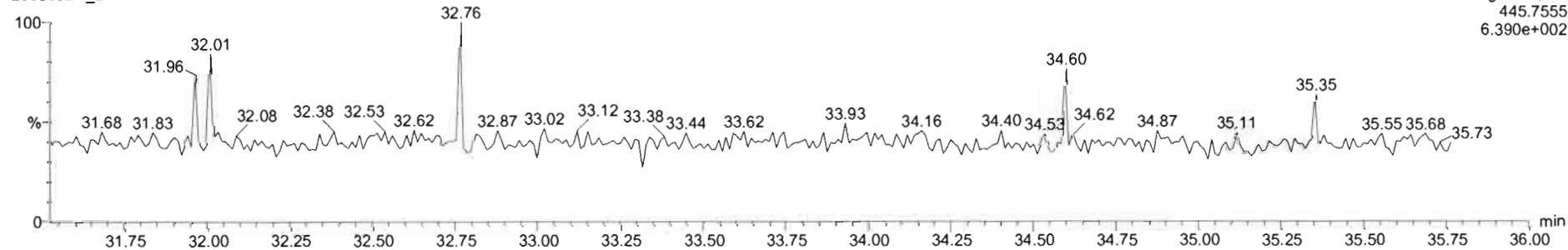


200309D1_2



DPE3

200309D1_2

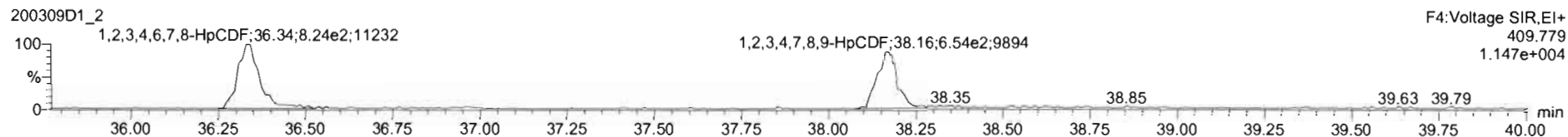
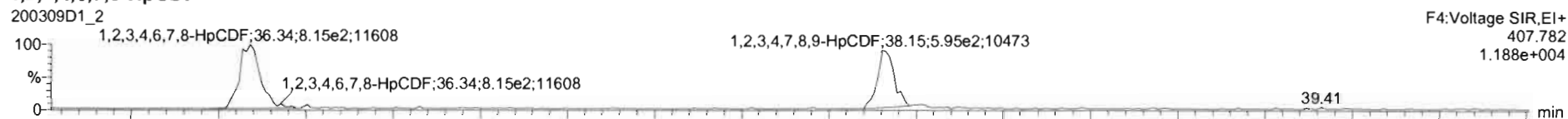


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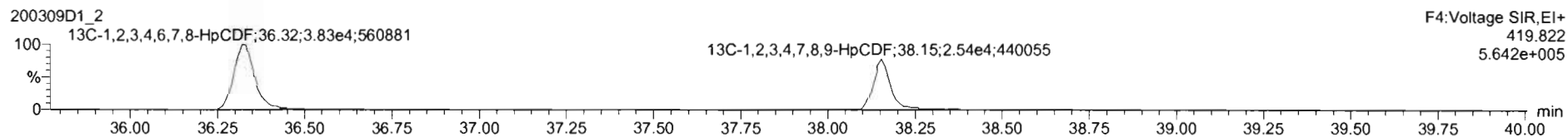
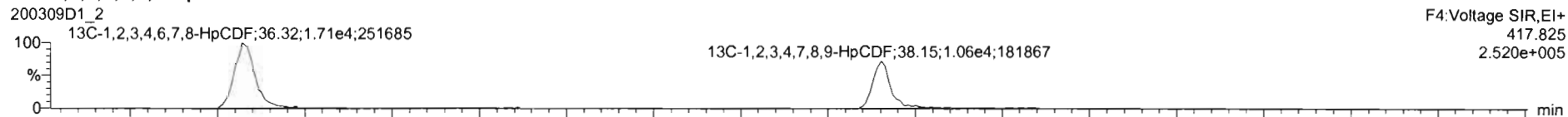
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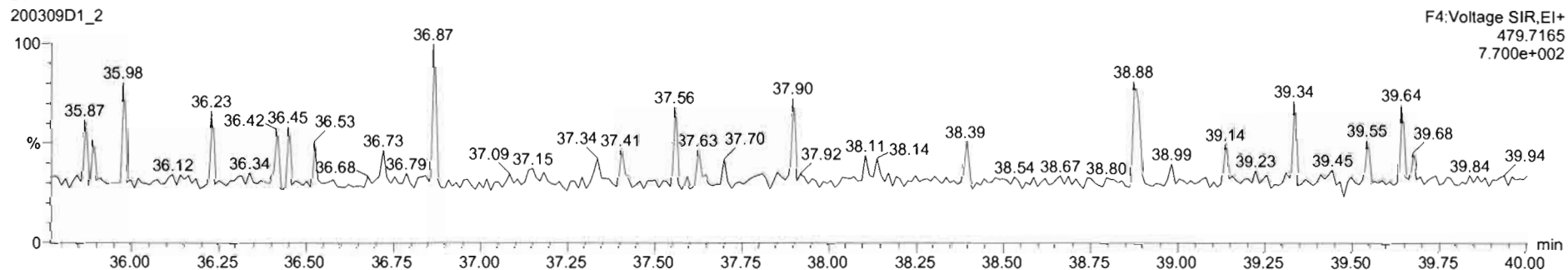
1,2,3,4,6,7,8-HpCDF



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



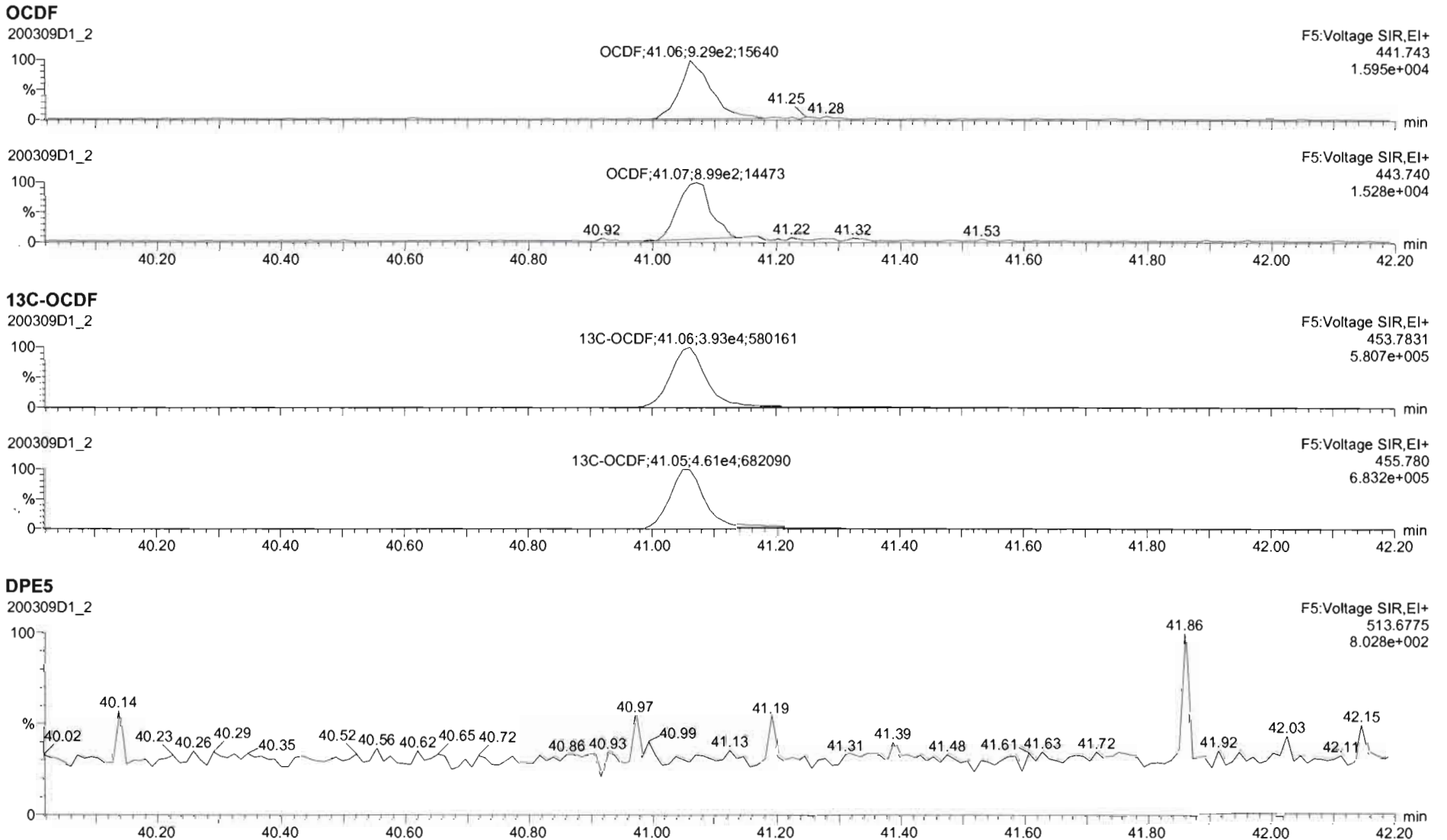
DPE4

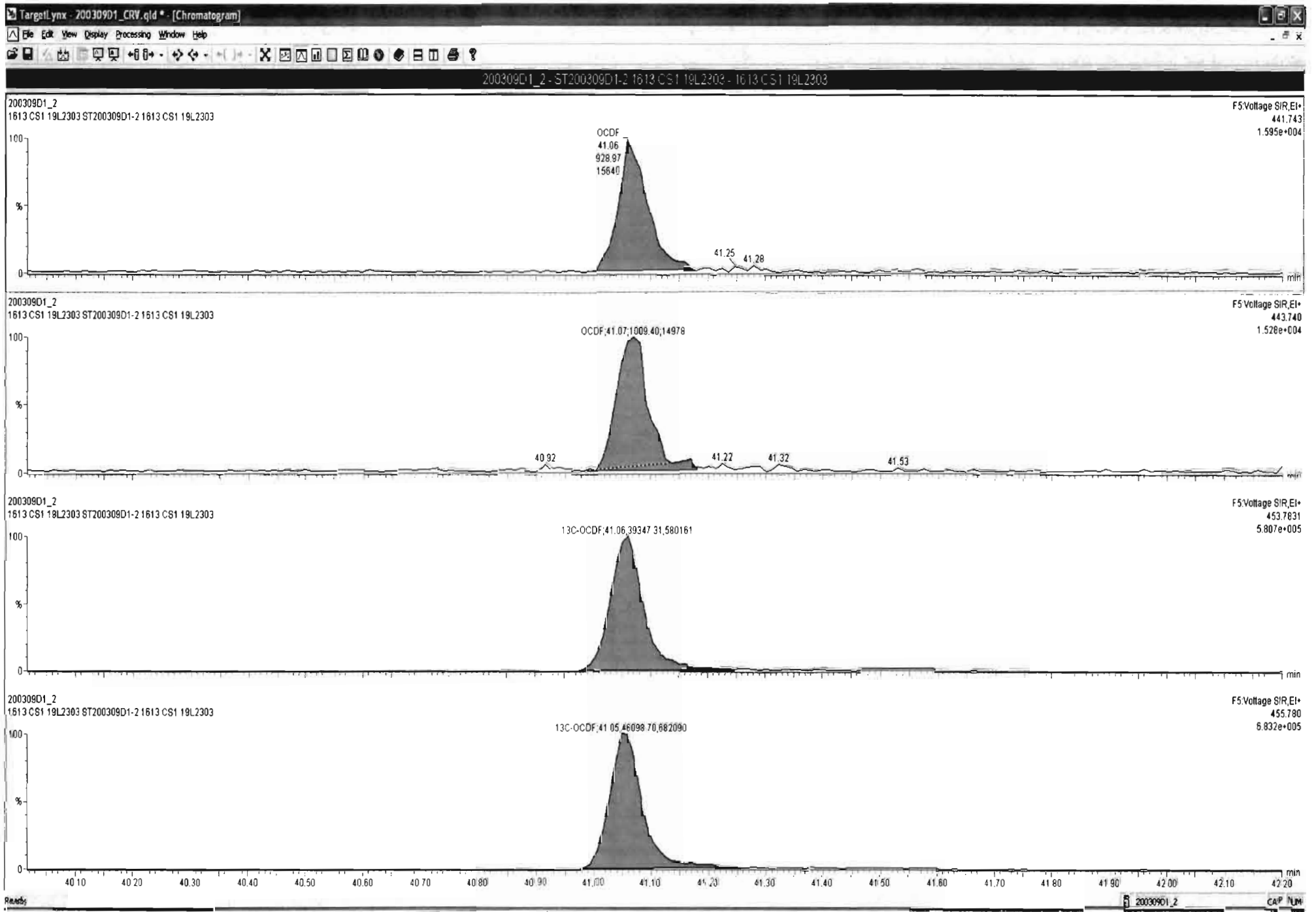


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Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

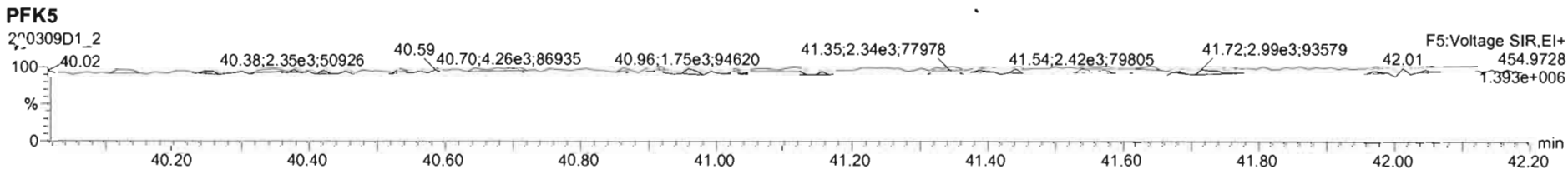
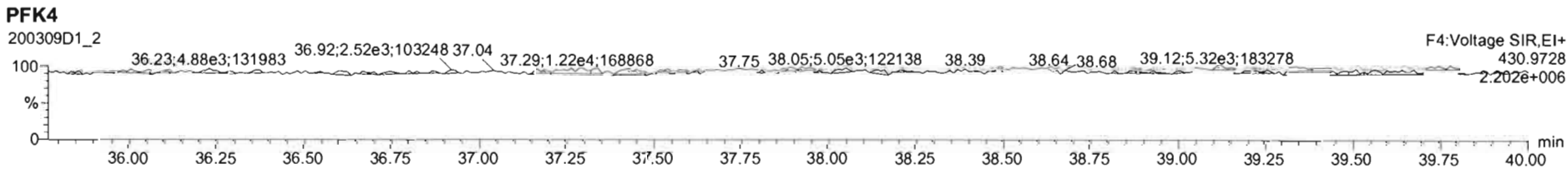
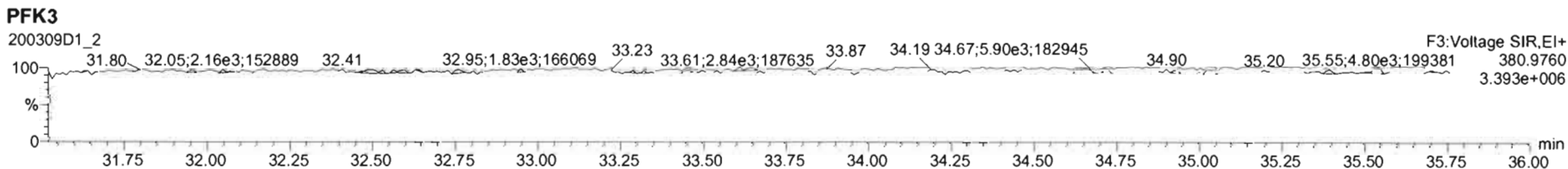
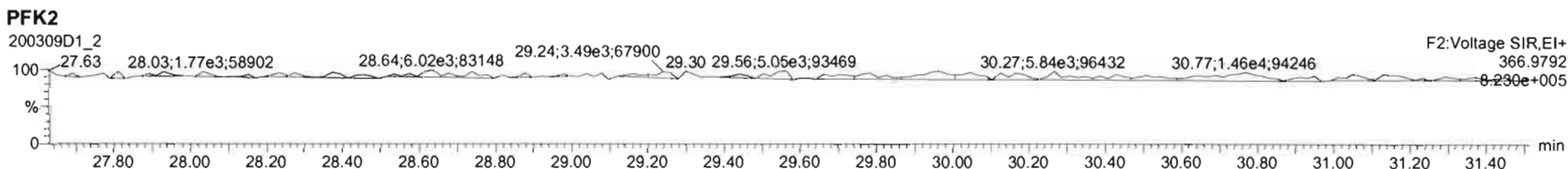
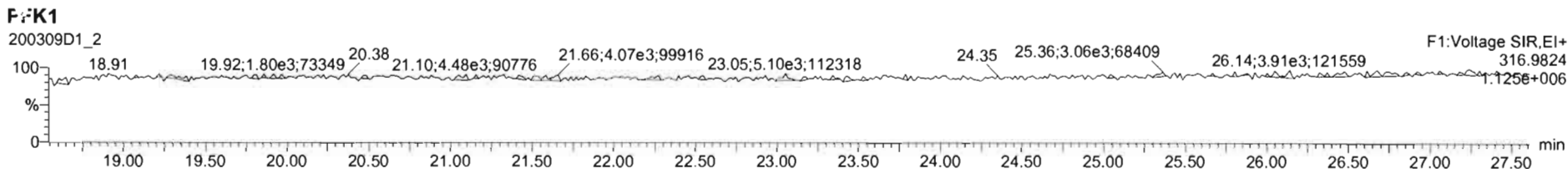




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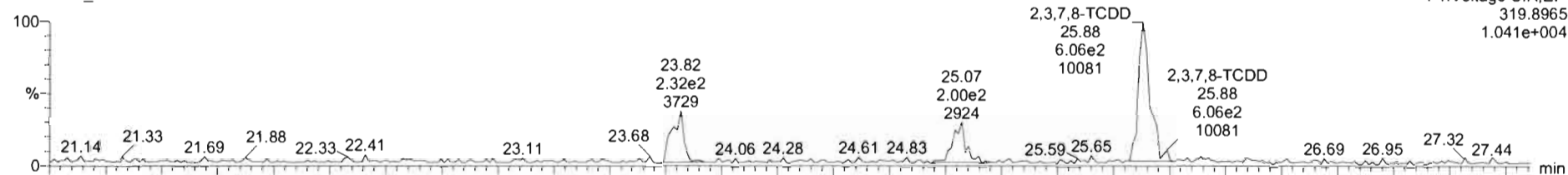
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

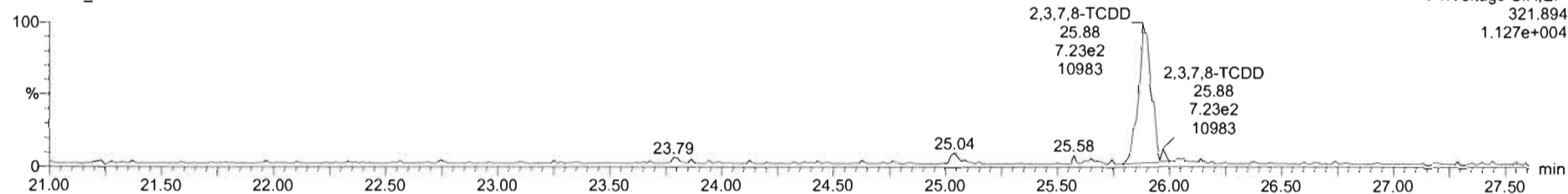
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2,3,7,8-TCDD

200309D1_3

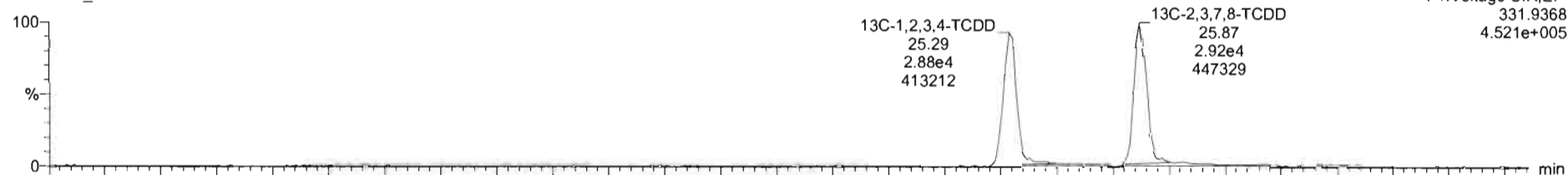


2 0309D1_3

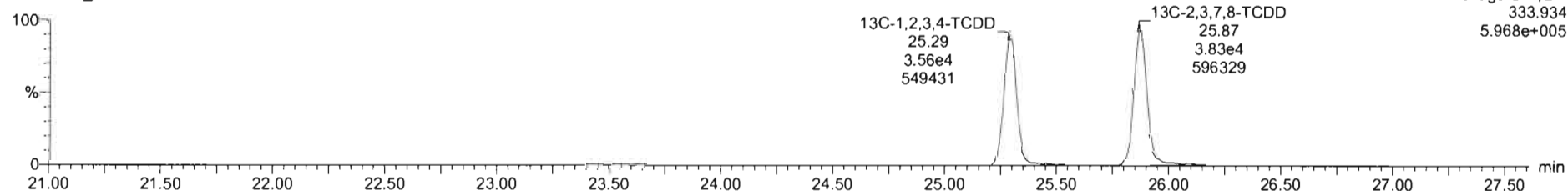


13C-2,3,7,8-TCDD

200309D1_3



200309D1_3

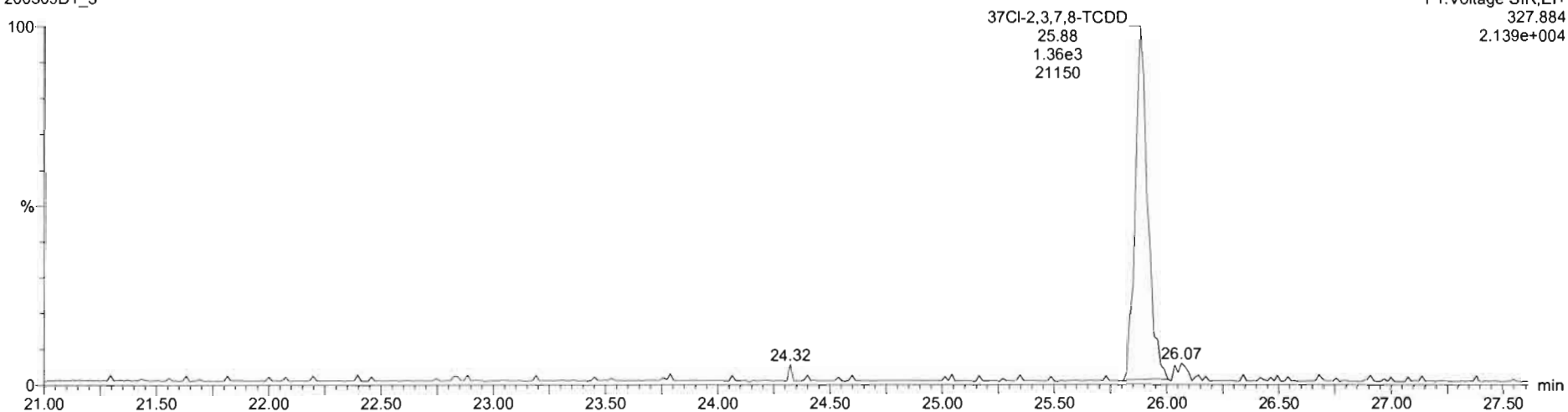


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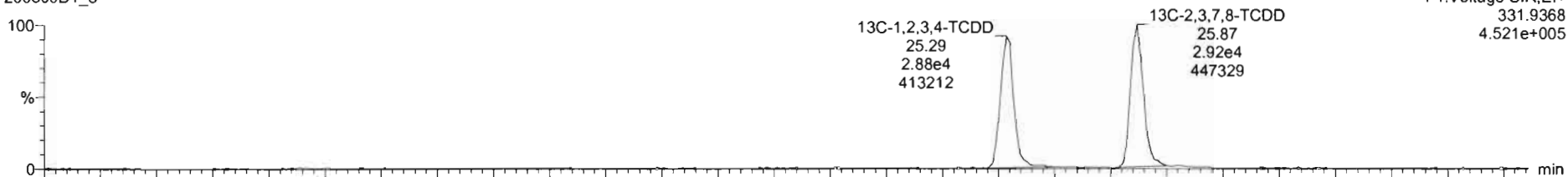
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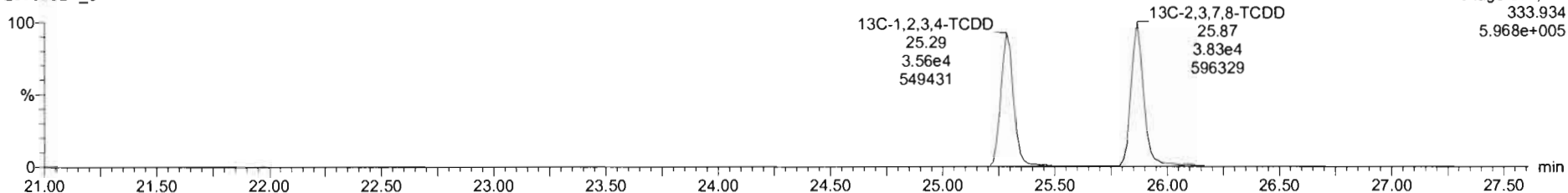
37Cl-2,3,7,8-TCDD
200309D1_3



13C-1,2,3,4-TCDD
200309D1_3



200309D1_3



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

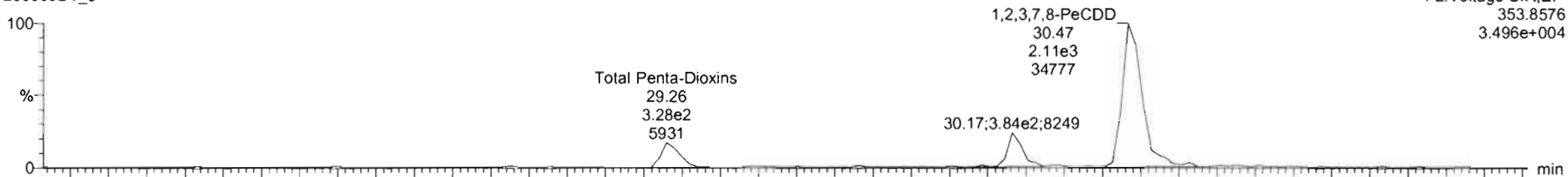
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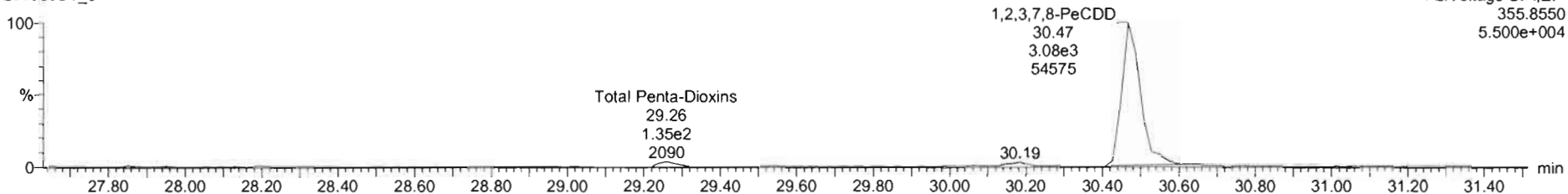
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1,2,3,7,8-PeCDD

200309D1_3

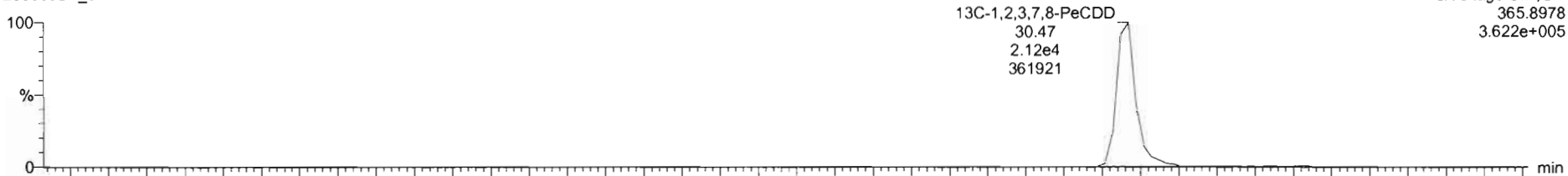


200309D1_3

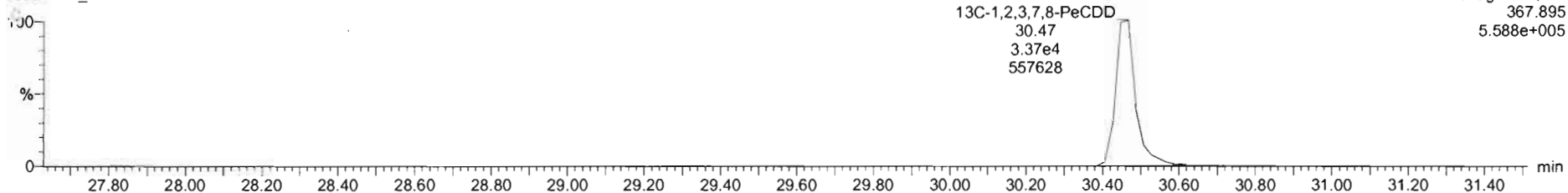


13C-1,2,3,7,8-PeCDD

200309D1_3



200309D1_3



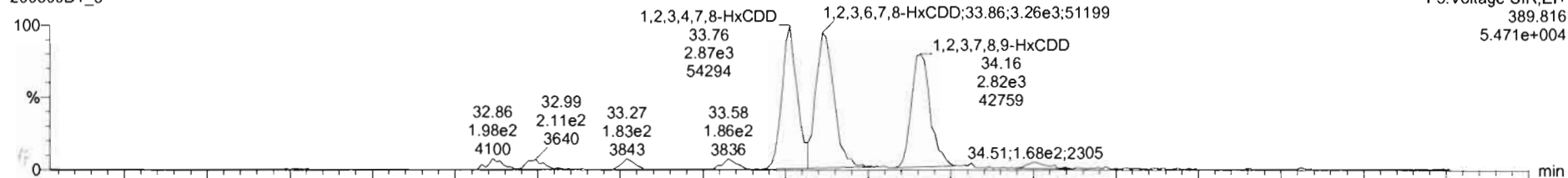
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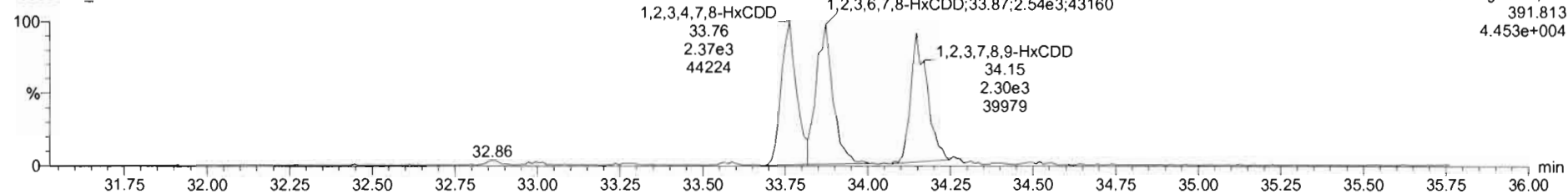
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1,2,3,4,7,8-HxCDD

200309D1_3

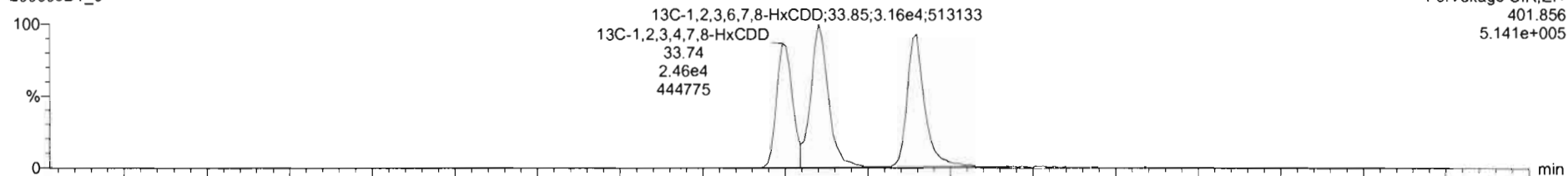


200309D1_3

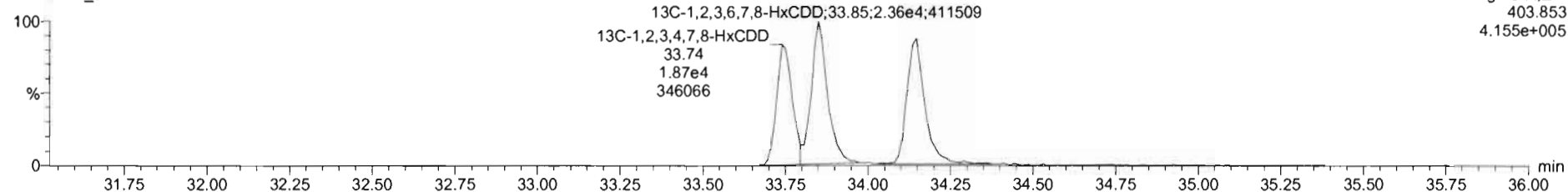


13C-1,2,3,4,7,8-HxCDD

200309D1_3



200309D1_3



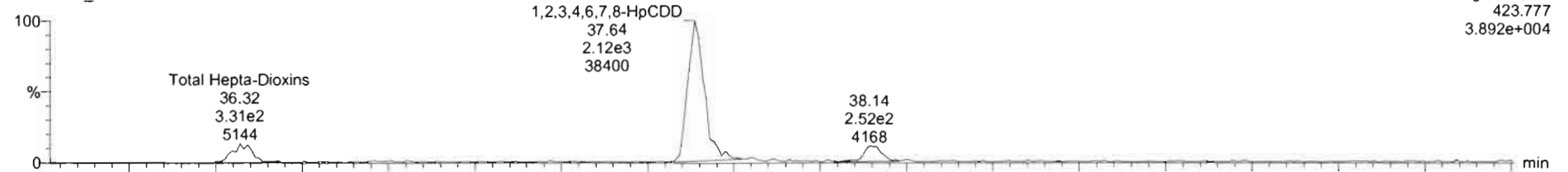
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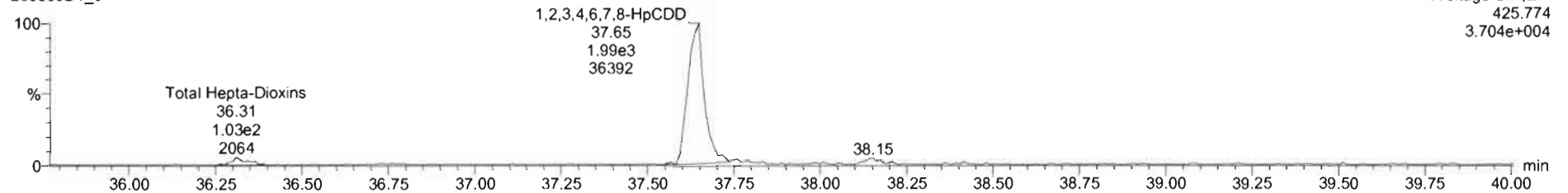
1,2,3,4,6,7,8-HpCDD

200309D1_3



F4:Voltage SIR,EI+
423.777
3.892e+004

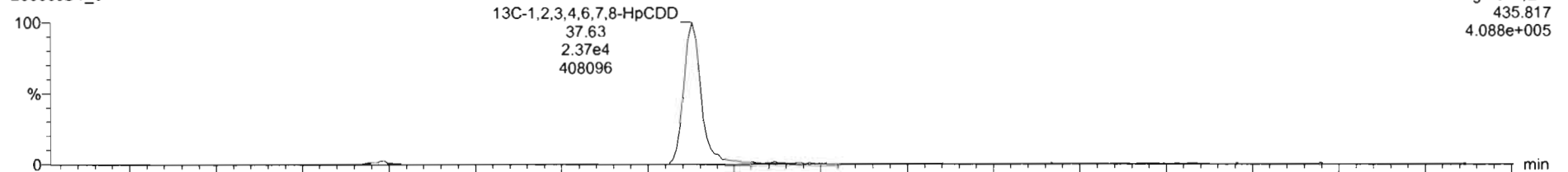
200309D1_3



F4:Voltage SIR,EI+
425.774
3.704e+004

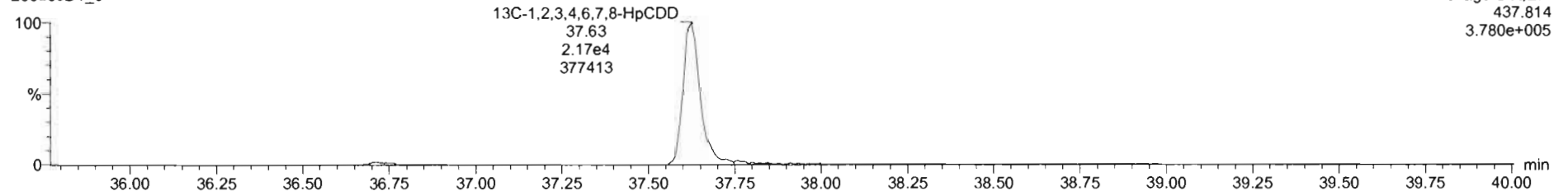
13C-1,2,3,4,6,7,8-HpCDD

200309D1_3



F4:Voltage SIR,EI+
435.817
4.088e+005

200309D1_3

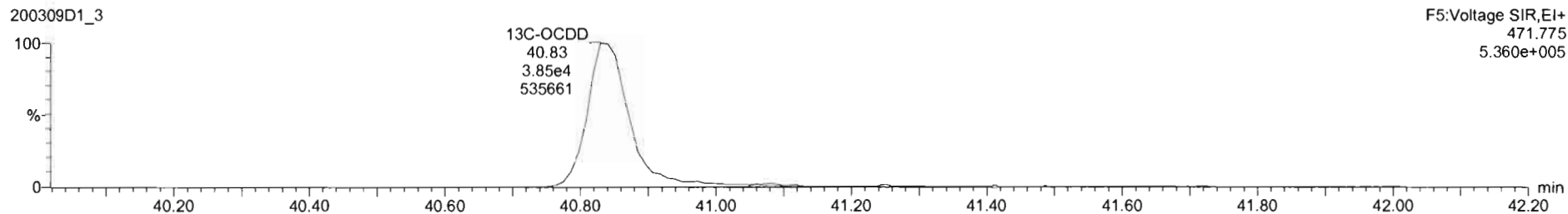
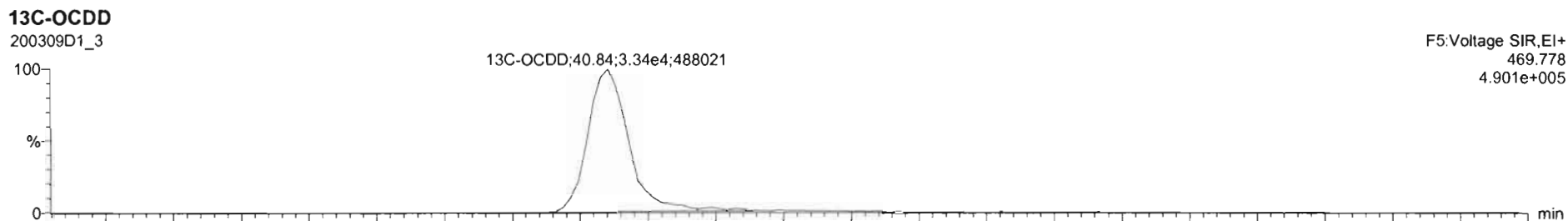
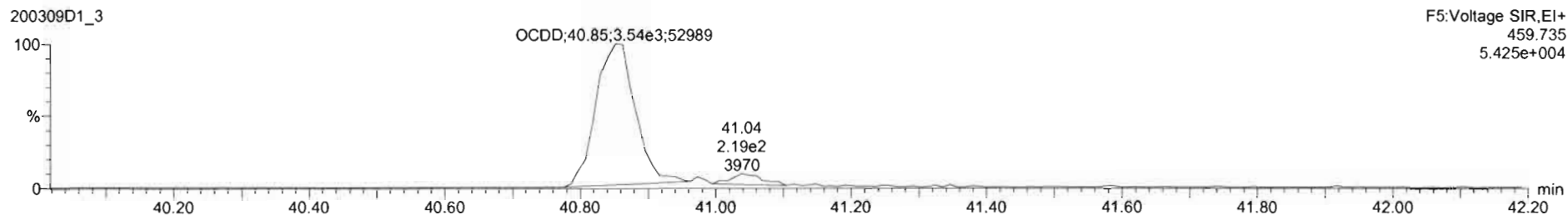
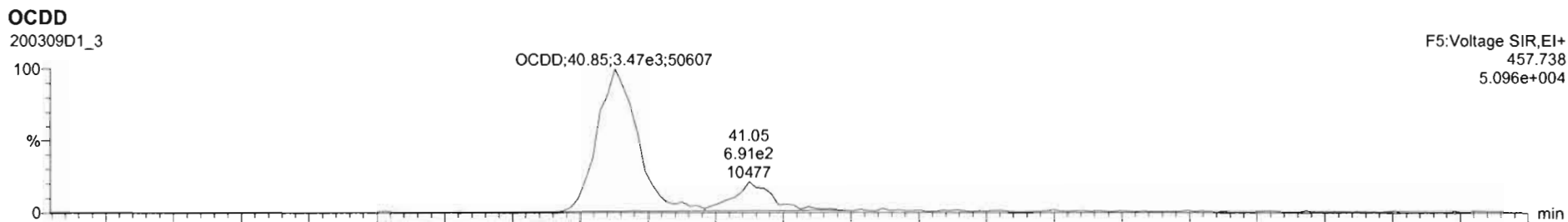


F4:Voltage SIR,EI+
437.814
3.780e+005

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

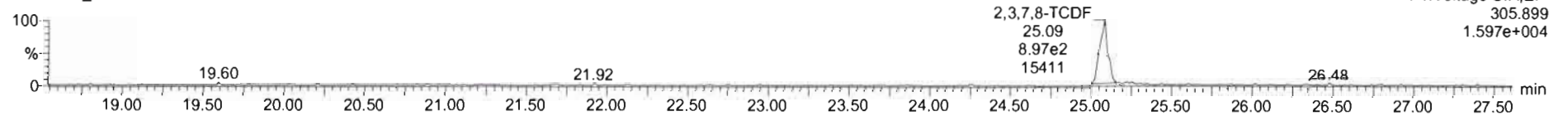
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2,3,7,8-TCDF

200309D1_3

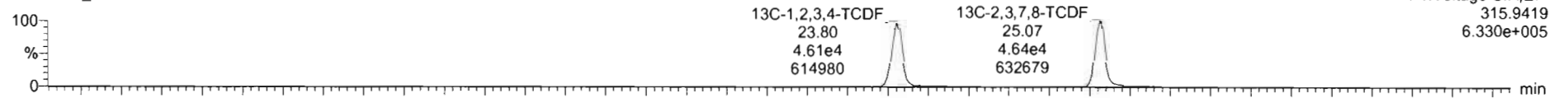


200309D1_3

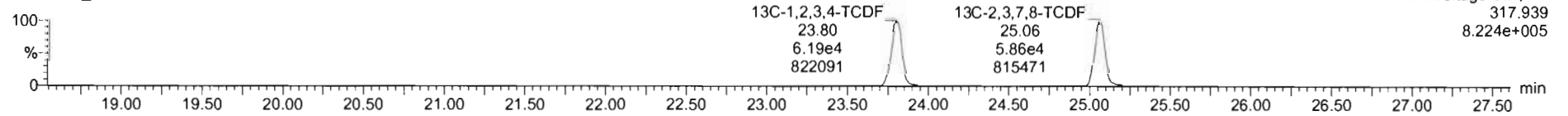


13C-2,3,7,8-TCDF

200309D1_3

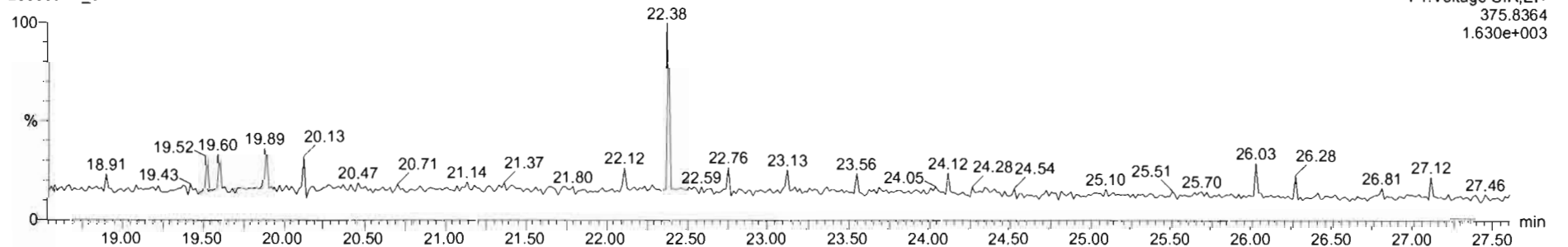


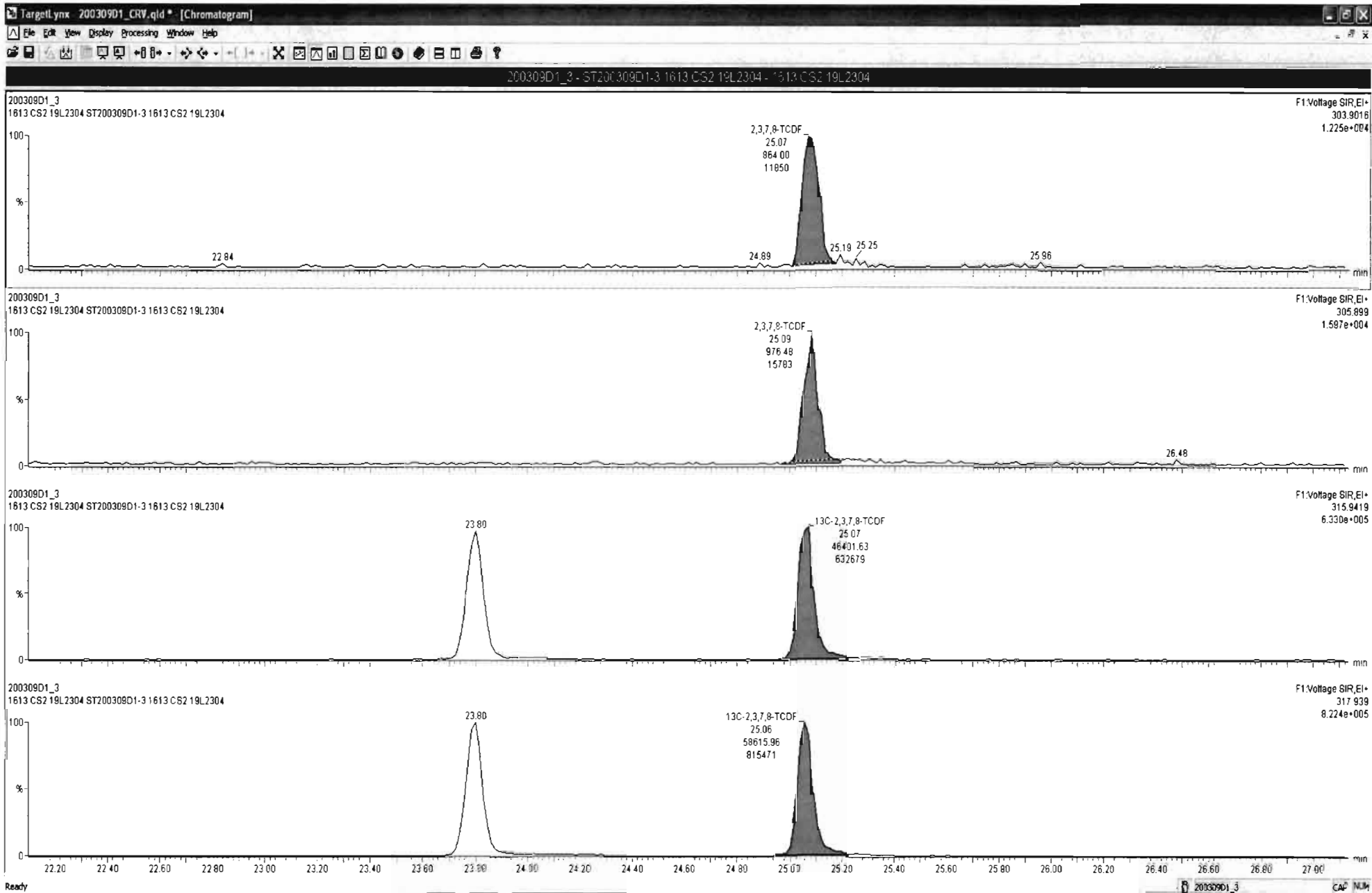
200309D1_3



DPE1

200309D1_3





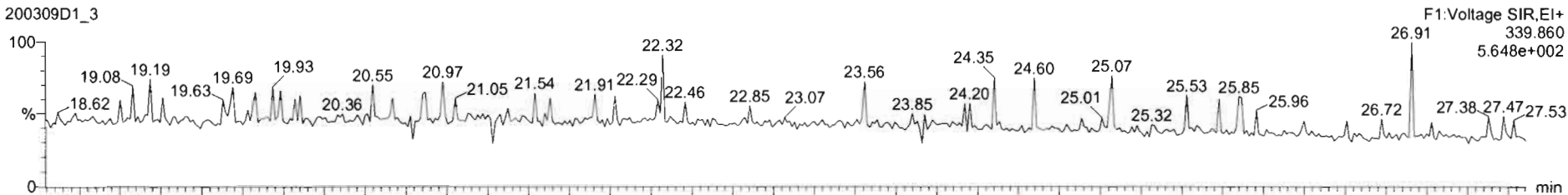
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

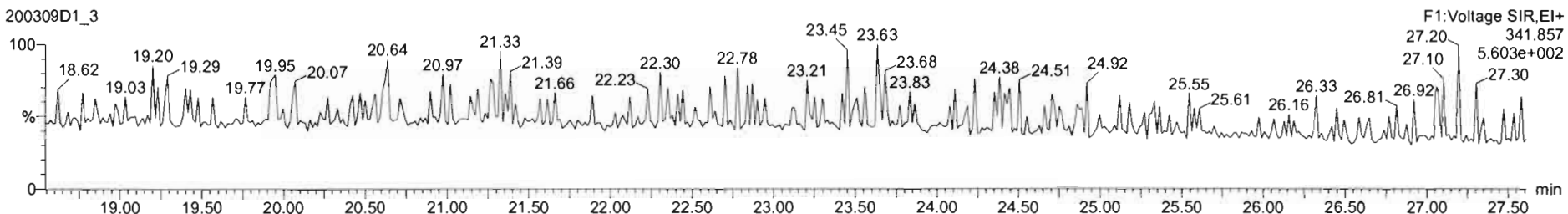
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200309D1_3

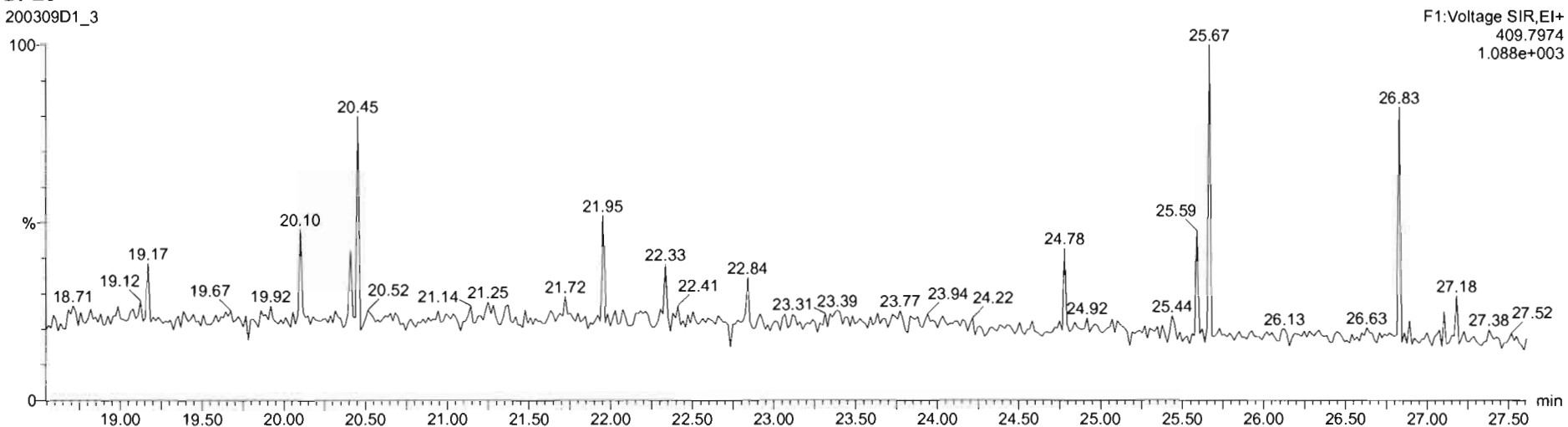


200309D1_3



DPE6

200309D1_3



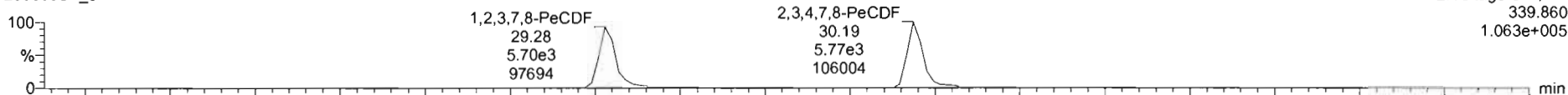
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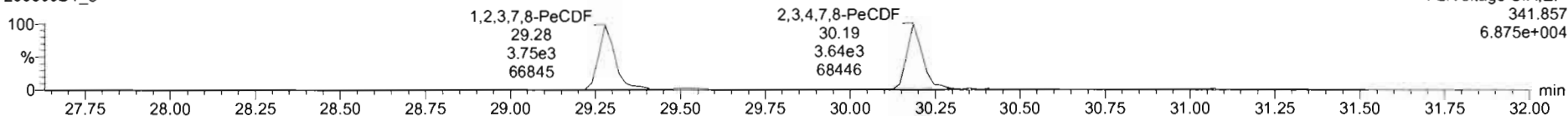
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1,2,3,7,8-PeCDF

200309D1_3

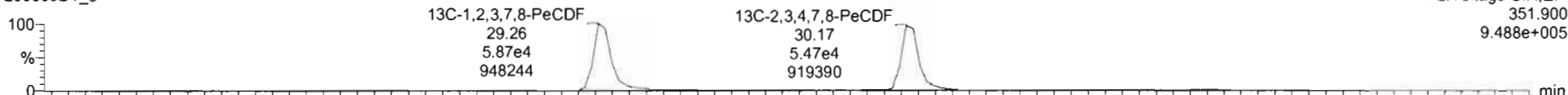


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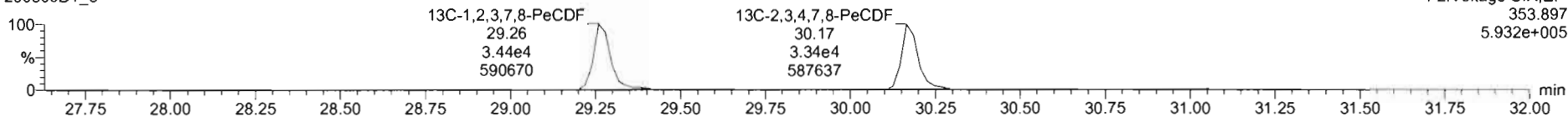


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200309D1_3

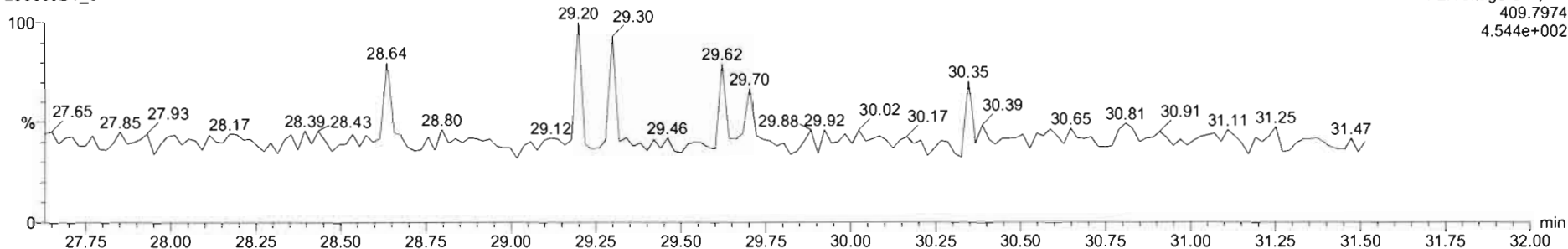


200309D1_3



DPE2

200309D1_3



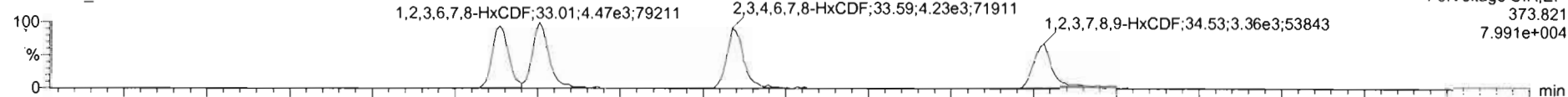
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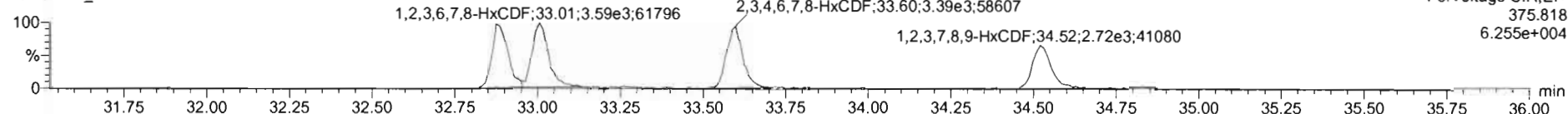
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1,2,3,4,7,8-HxCDF

200309D1_3

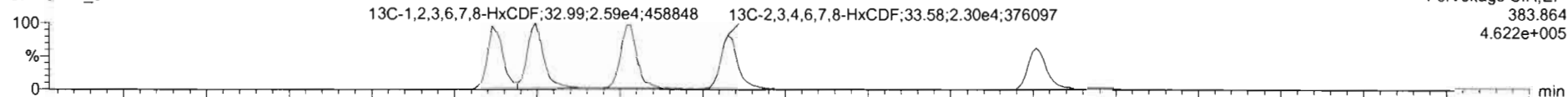


200309D1_3

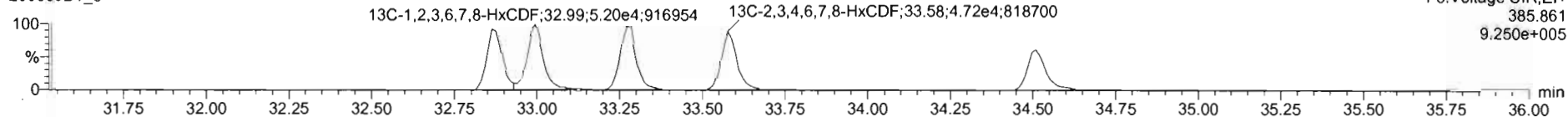


13C-1,2,3,4,7,8-HxCDF

200309D1_3

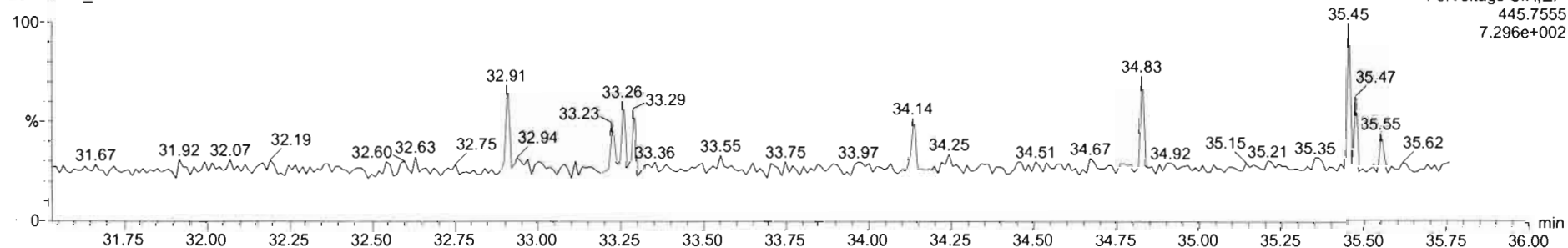


200309D1_3



DPE3

200309D1_3

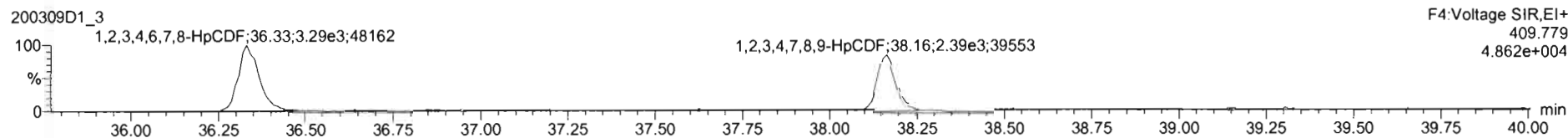
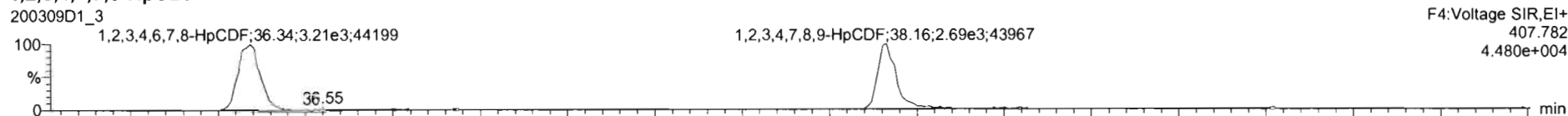


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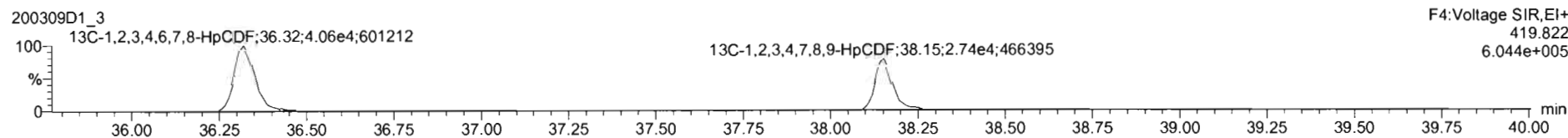
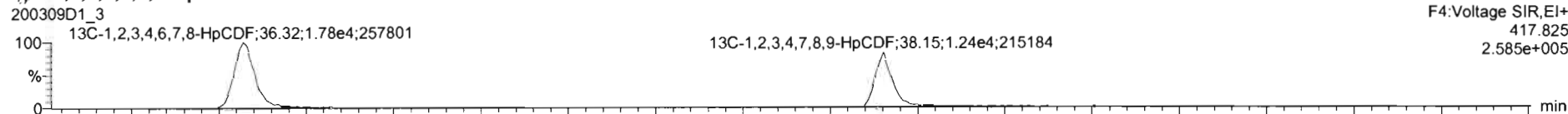
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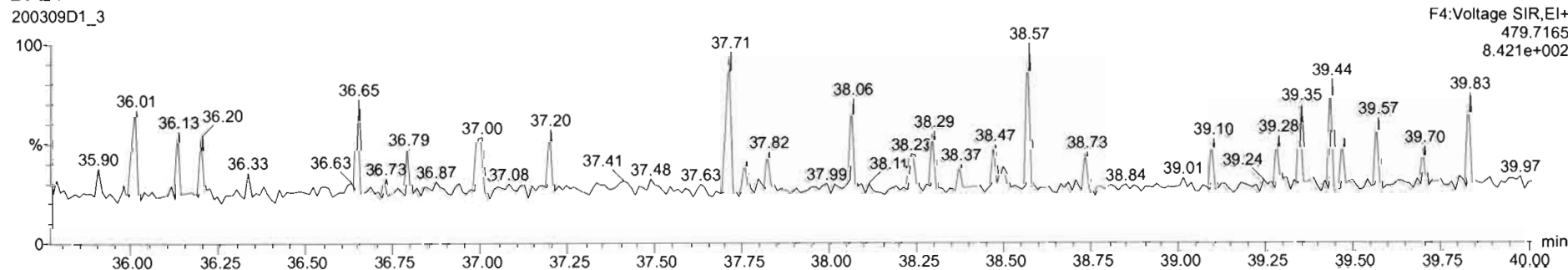
1,2,3,4,6,7,8-HpCDF



¹³C-1,2,3,4,6,7,8-HpCDF



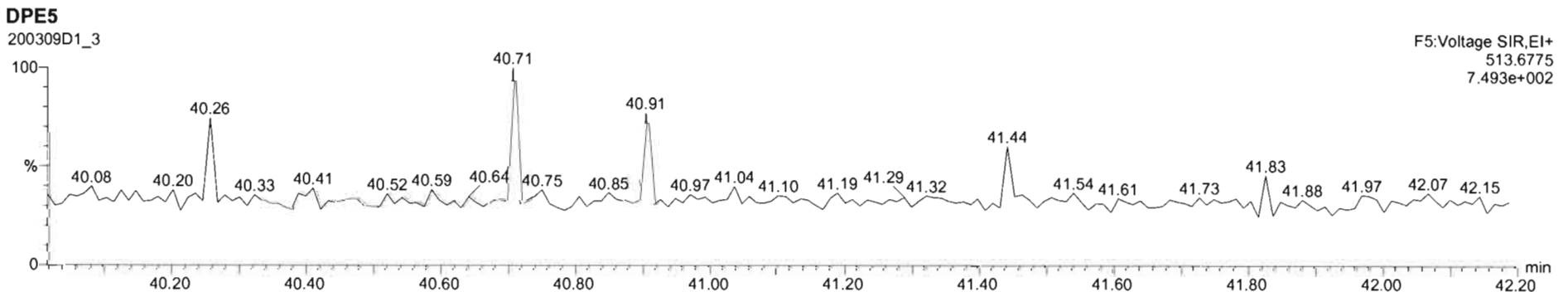
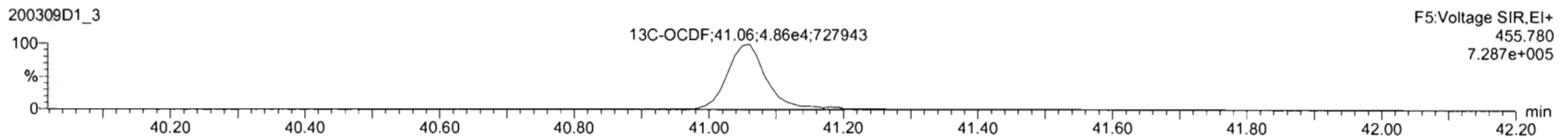
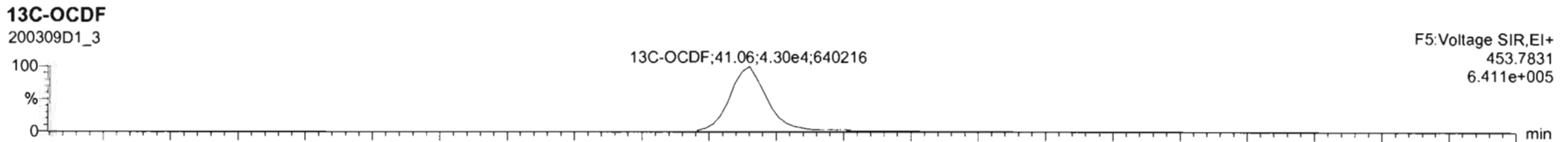
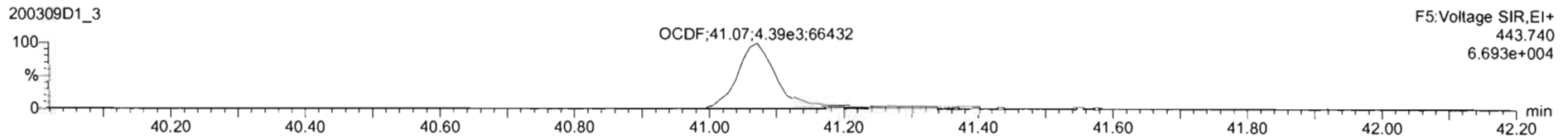
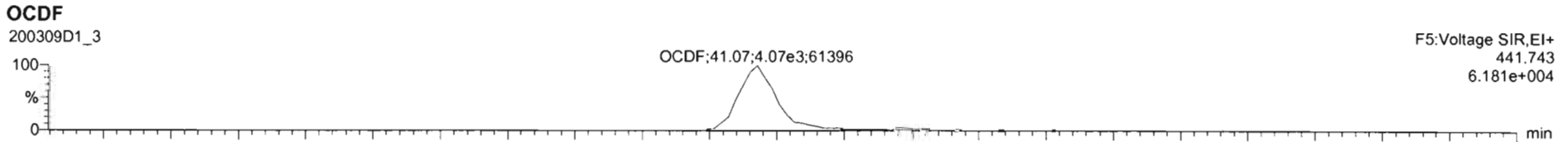
DPE4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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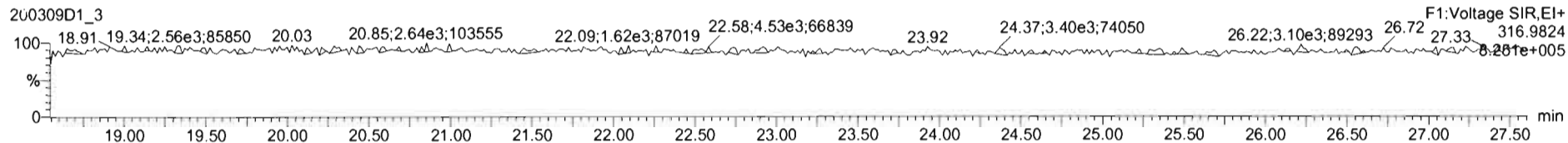


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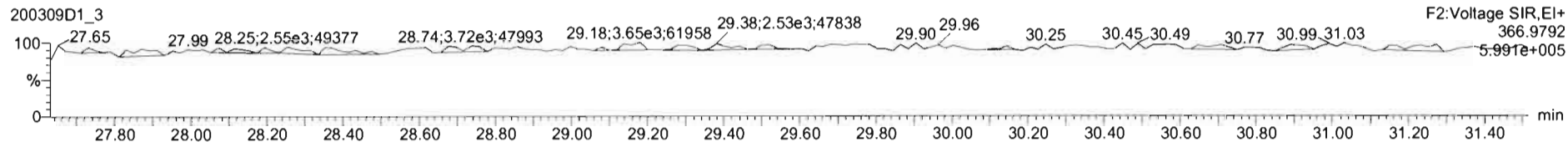
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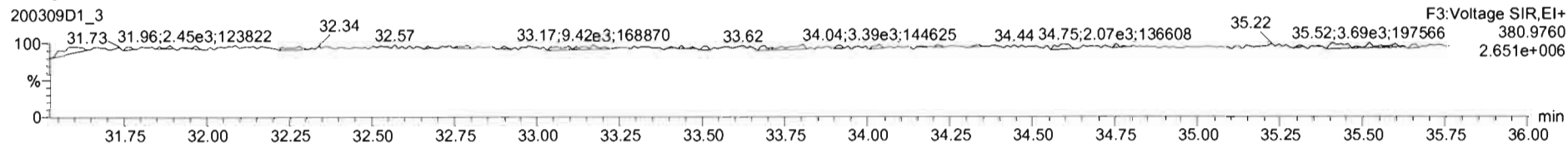
PFK1



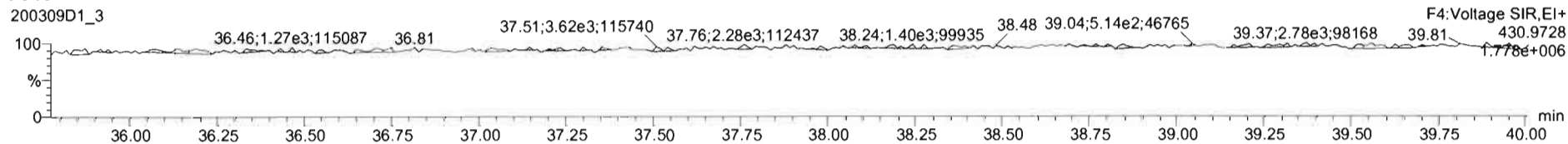
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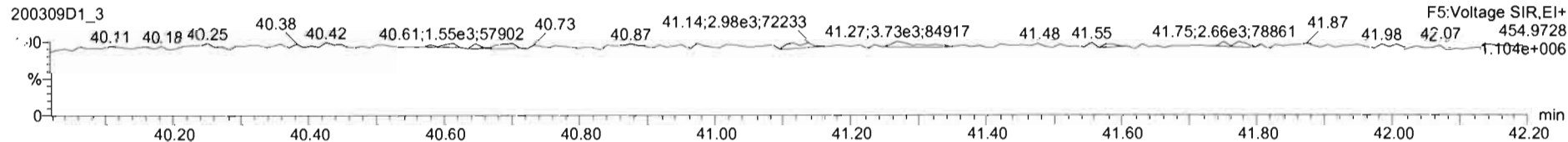
PFK3



PFK4



PFK5



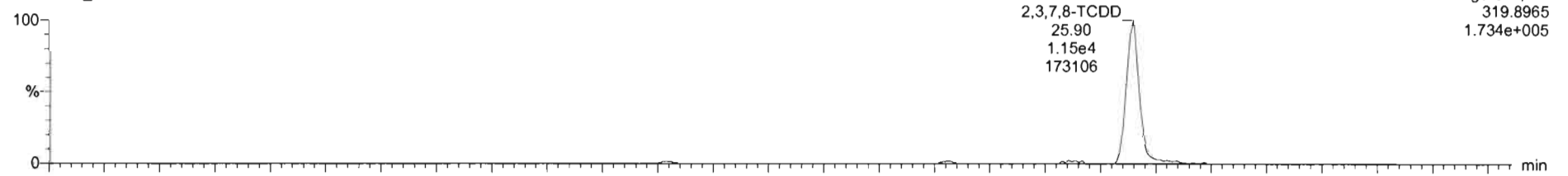
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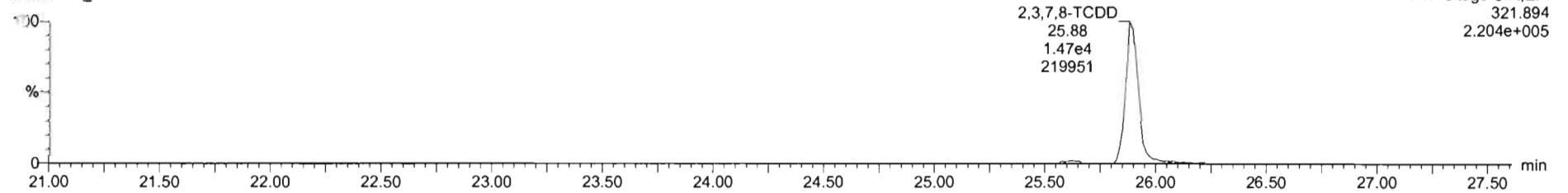
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2,3,7,8-TCDD

200309D1_4

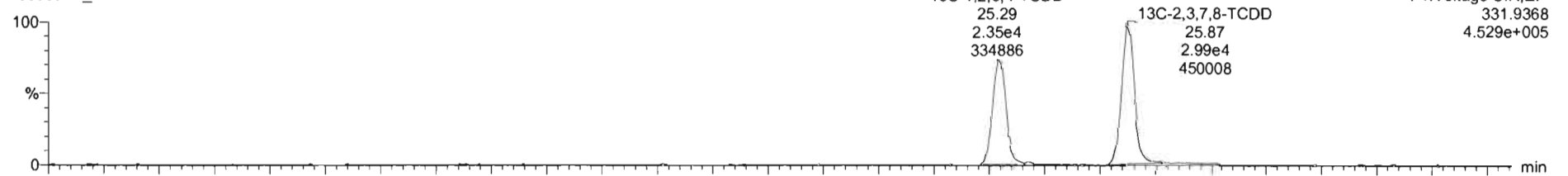


200309D1_4

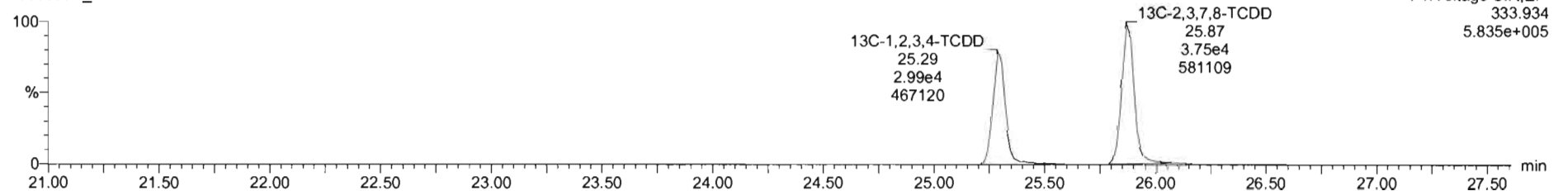


13C-2,3,7,8-TCDD

200309D1_4



200309D1_4



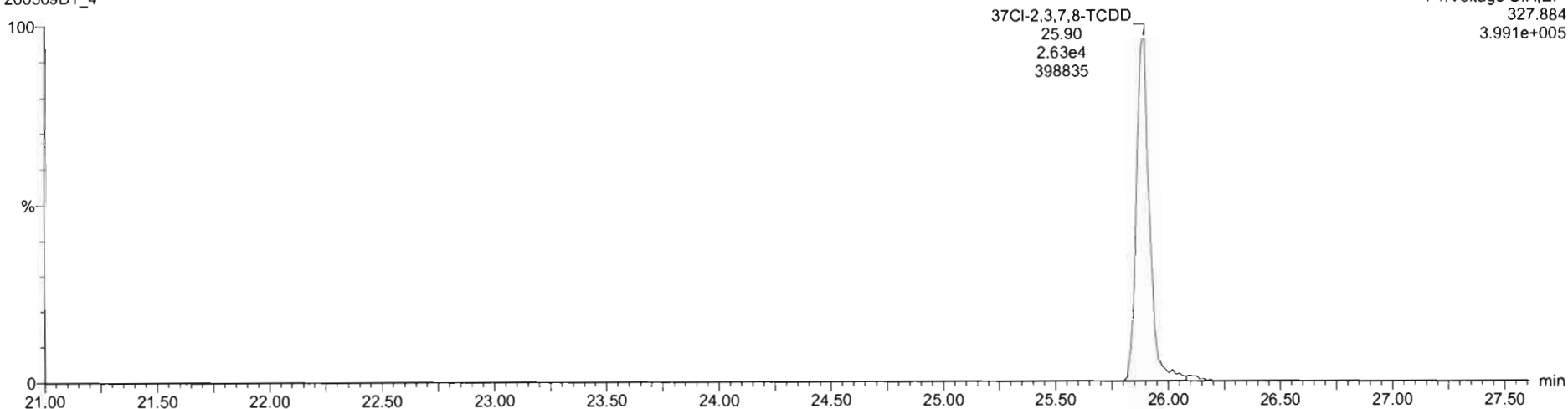
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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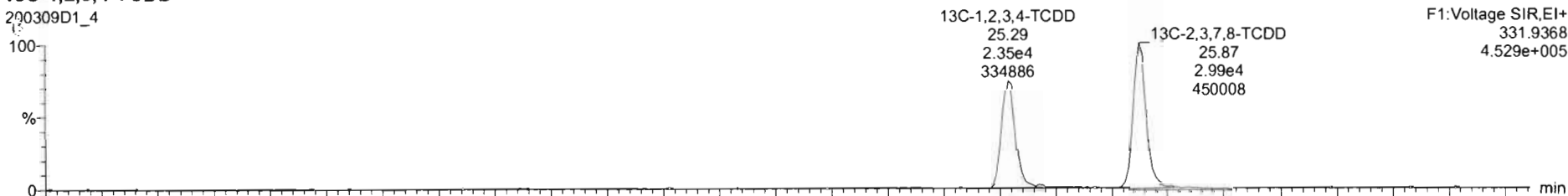
37Cl-2,3,7,8-TCDD

200309D1_4

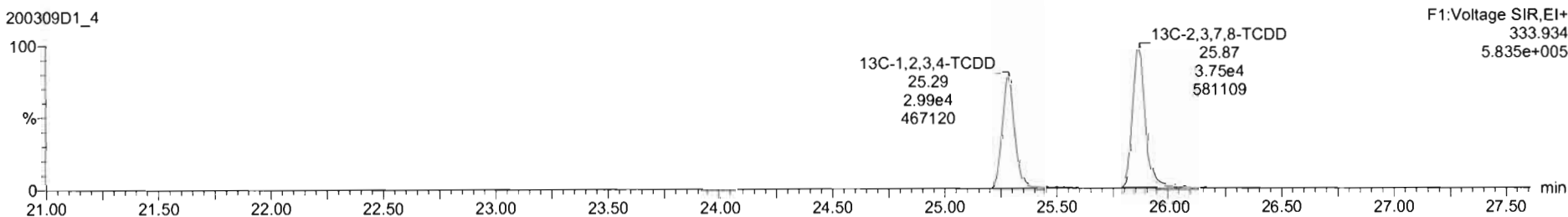


13C-1,2,3,4-TCDD

200309D1_4



200309D1_4



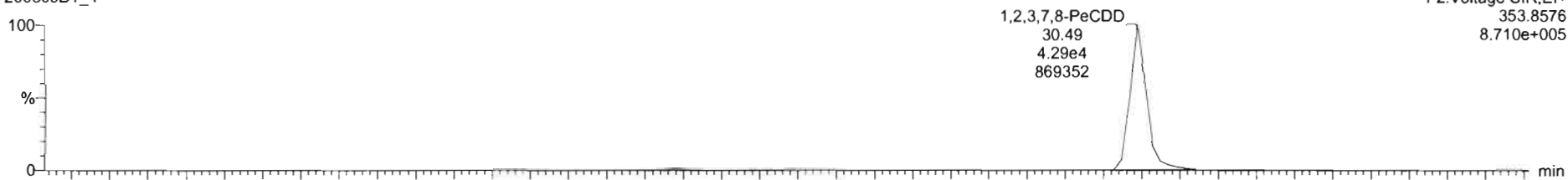
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

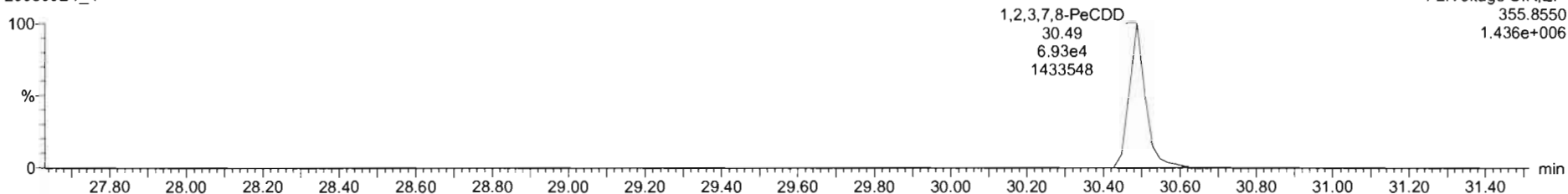
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1,2,3,7,8-PeCDD

200309D1_4

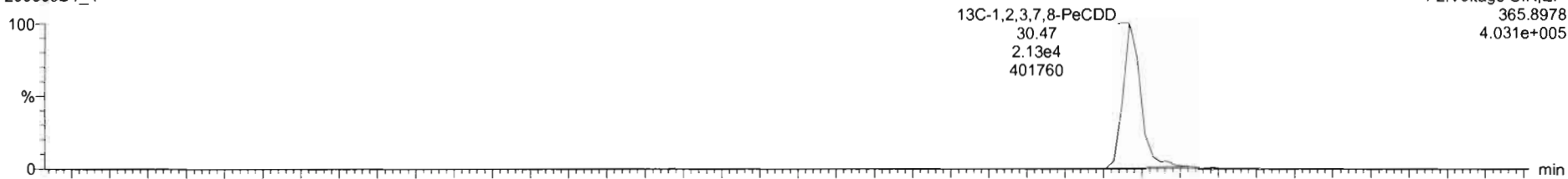


200309D1_4

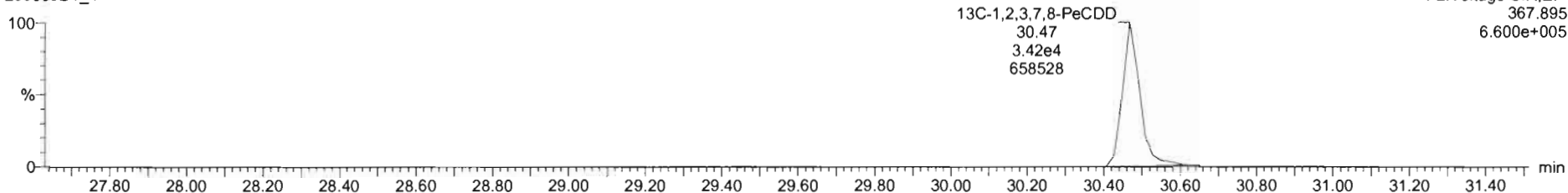


13C-1,2,3,7,8-PeCDD

200309D1_4



200309D1_4



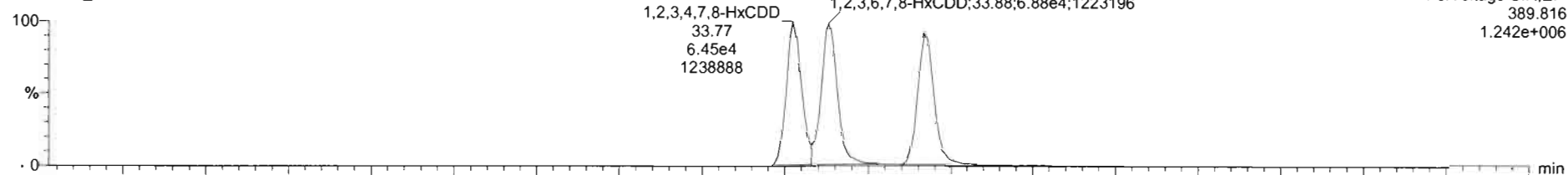
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_4, Date: 09-Mar-2020, Time: 14:43:39, ID: ST200309D1-4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

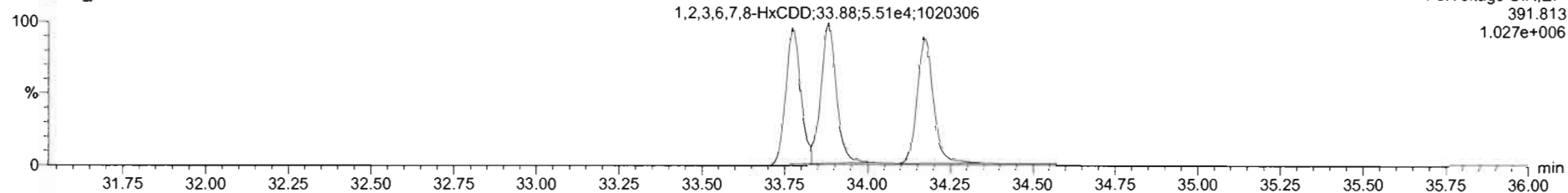
1,2,3,4,7,8-HxCDD

200309D1_4



F3: Voltage SIR, EI+
389.816
1.242e+006

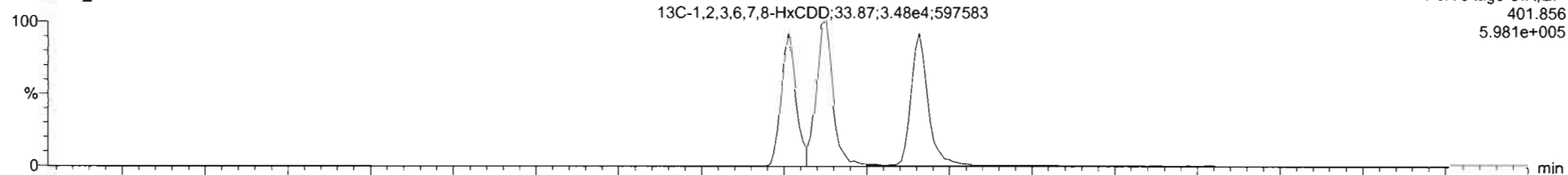
200309D1_4



F3: Voltage SIR, EI+
391.813
1.027e+006

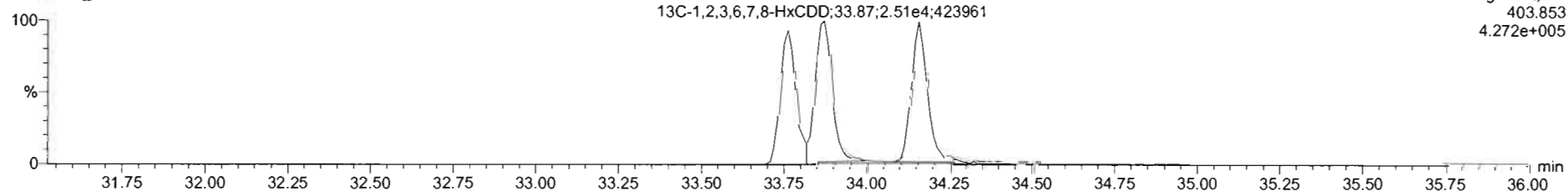
13C-1,2,3,4,7,8-HxCDD

200309D1_4



F3: Voltage SIR, EI+
401.856
5.981e+005

200309D1_4



F3: Voltage SIR, EI+
403.853
4.272e+005

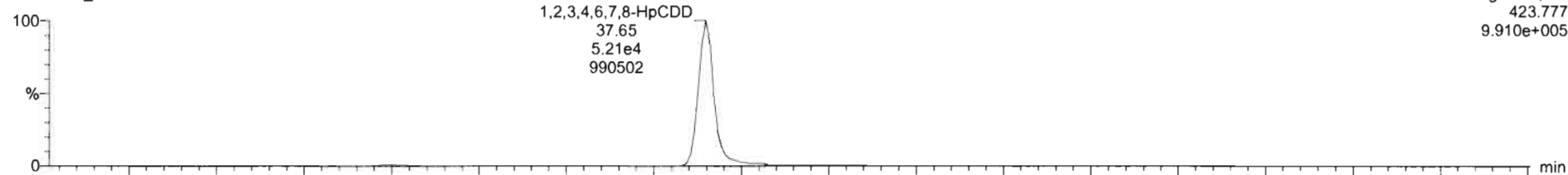
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
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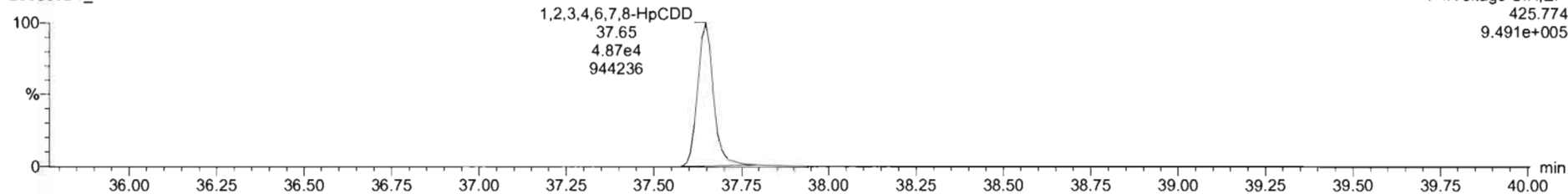
1,2,3,4,6,7,8-HpCDD

200309D1_4



F4:Voltage SIR,EI+
423.777
9.910e+005

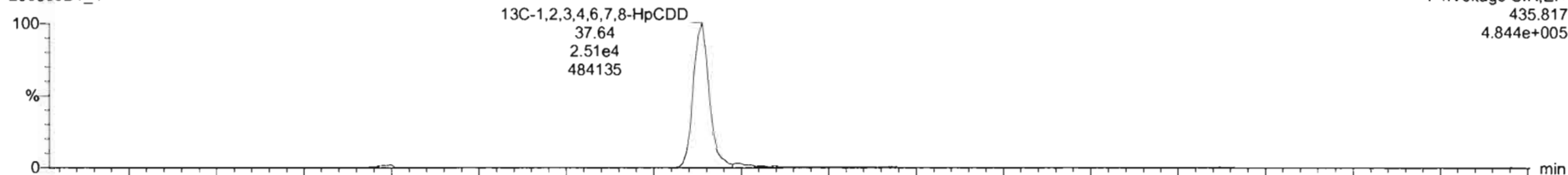
200309D1_4



F4:Voltage SIR,EI+
425.774
9.491e+005

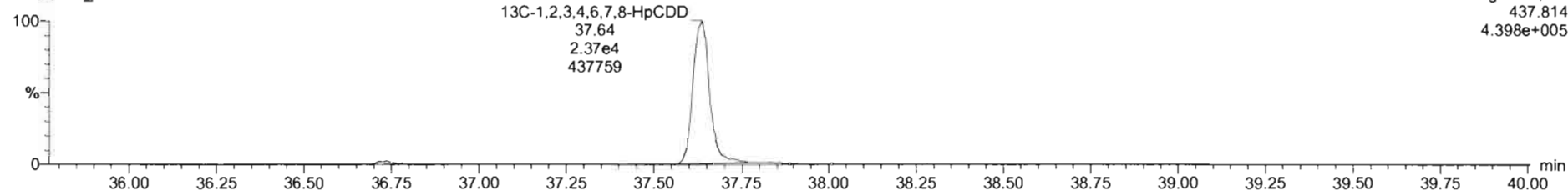
13C-1,2,3,4,6,7,8-HpCDD

200309D1_4



F4:Voltage SIR,EI+
435.817
4.844e+005

200309D1_4

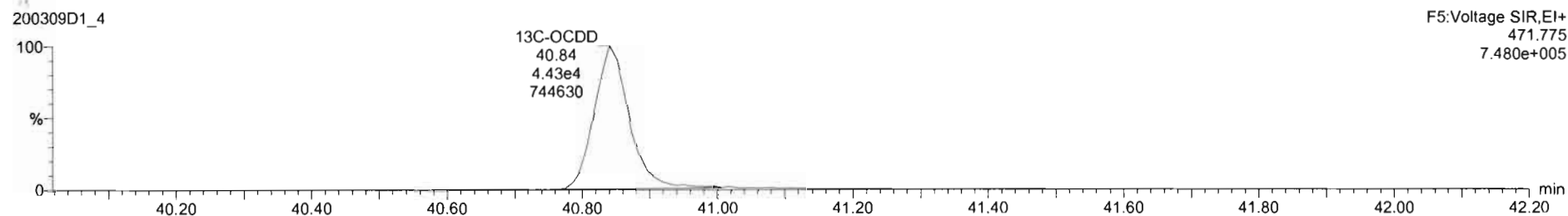
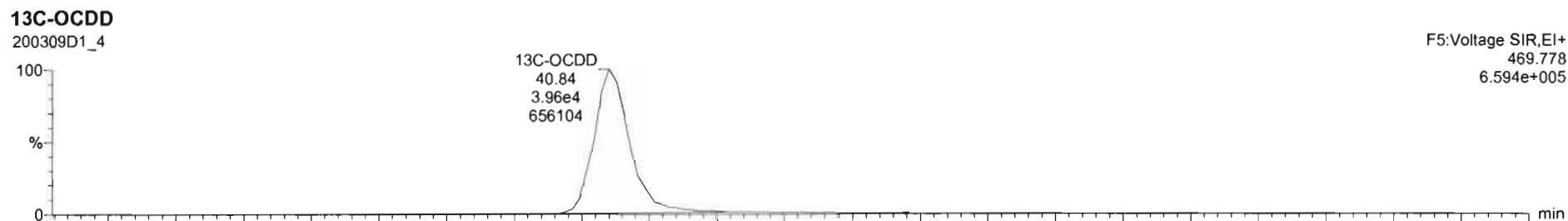
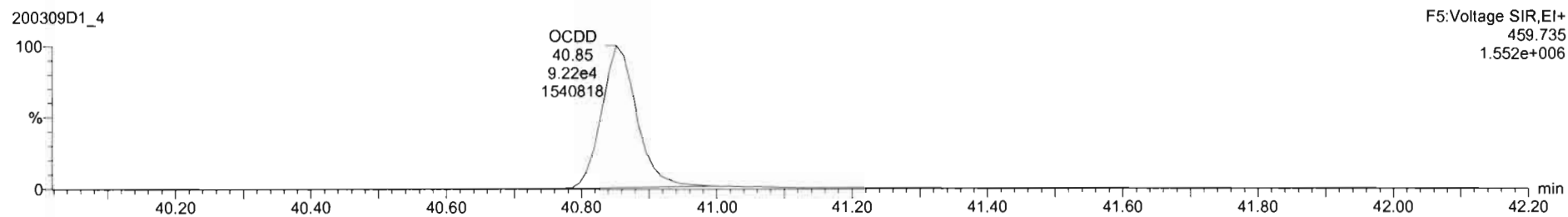
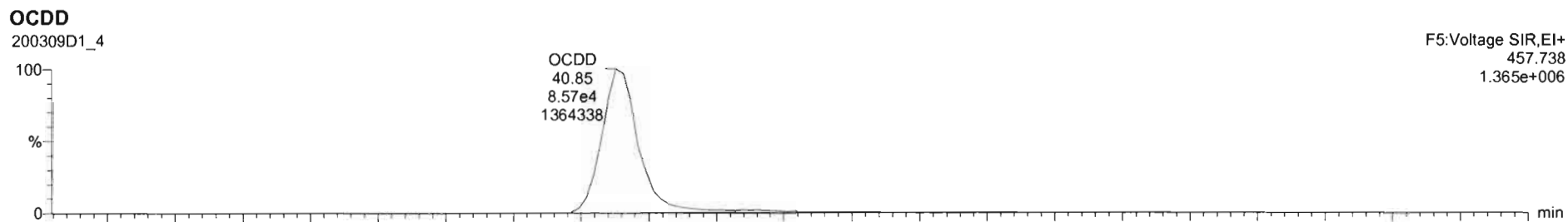


F4:Voltage SIR,EI+
437.814
4.398e+005

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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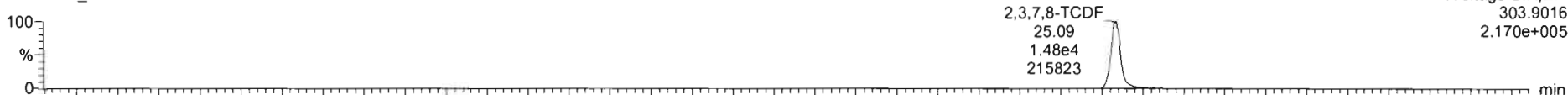
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

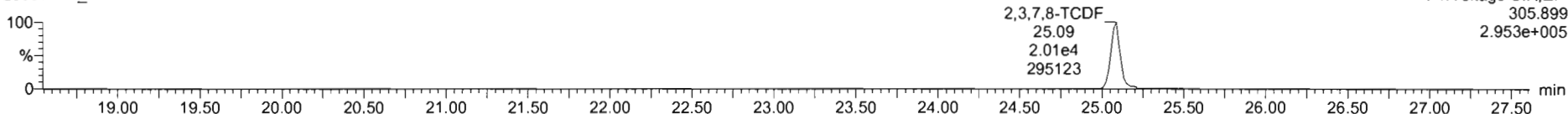
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2,3,7,8-TCDF

200309D1_4

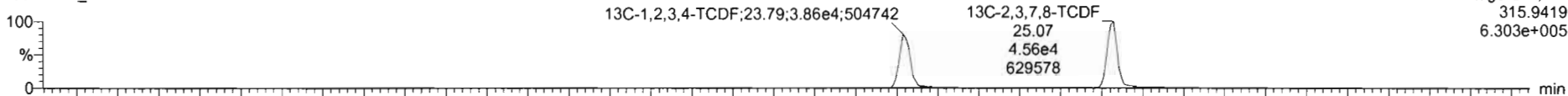


200309D1_4

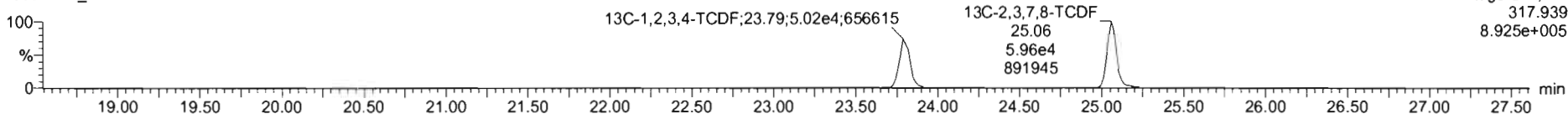


13C-2,3,7,8-TCDF

200309D1_4

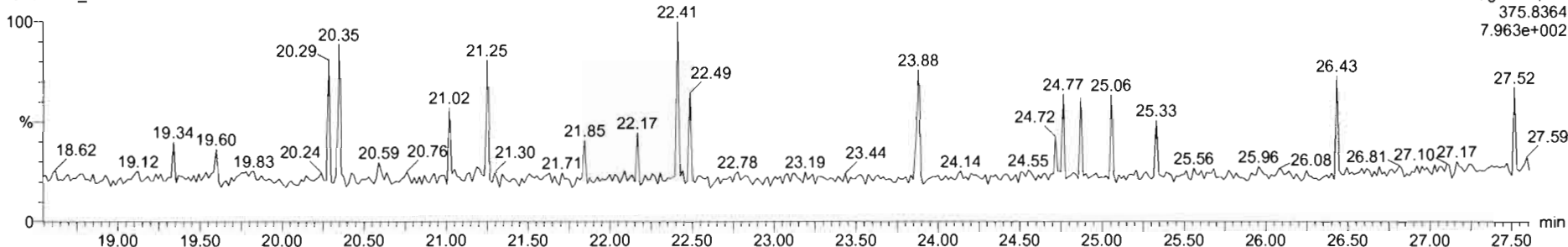


200309D1_4



DPE1

200309D1_4



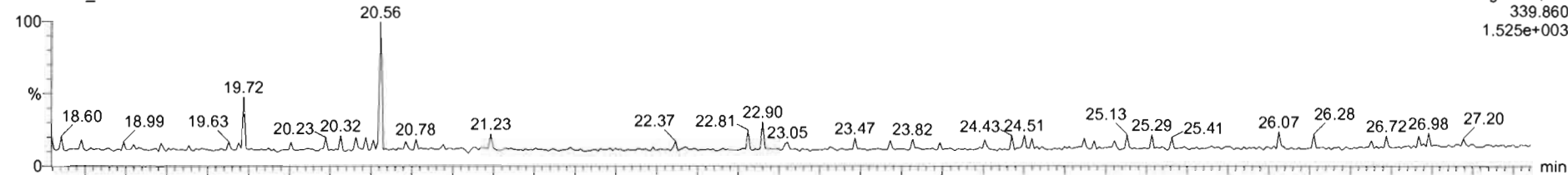
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

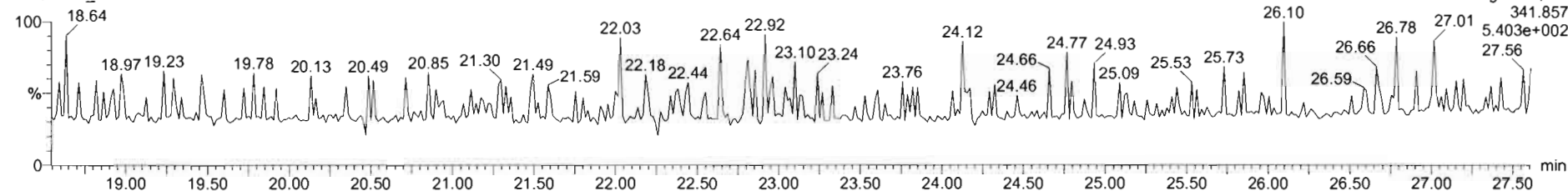
Name: 200309D1_4, Date: 09-Mar-2020, Time: 14:43:39, ID: ST200309D1-4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

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200309D1_4

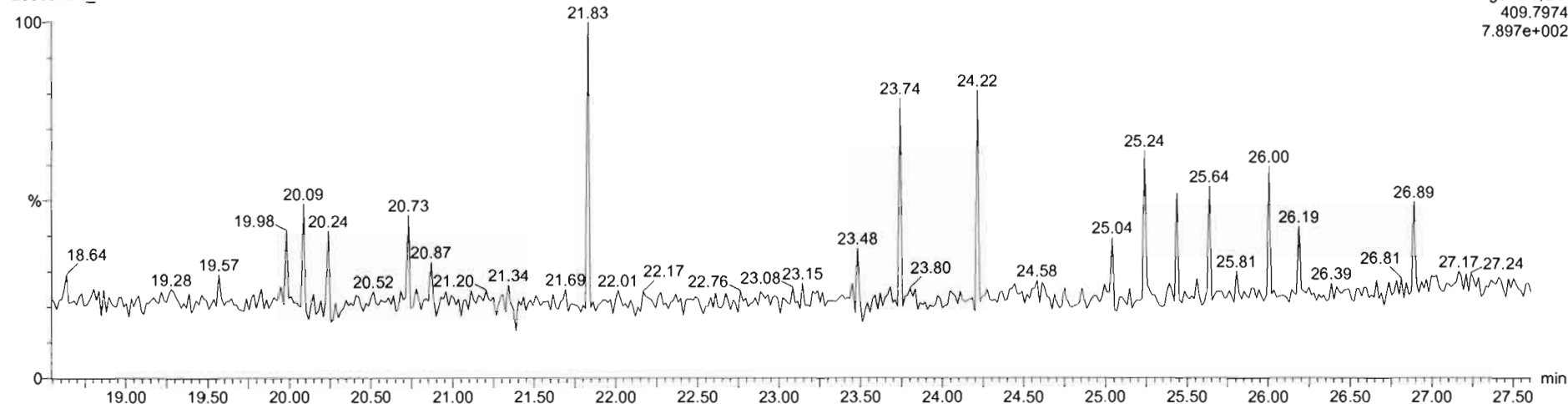


200309D1_4



DPE6

200309D1_4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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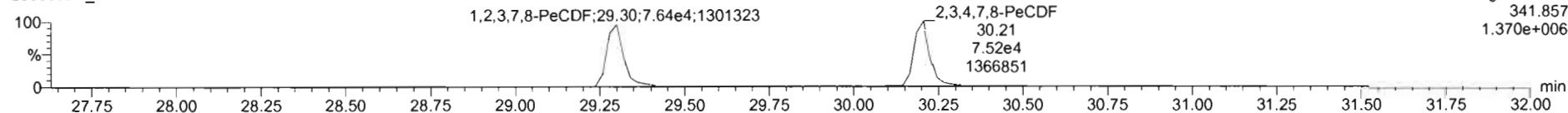
1,2,3,7,8-PeCDF

200309D1_4



F2:Voltage SIR,EI+
339.860
2.268e+006

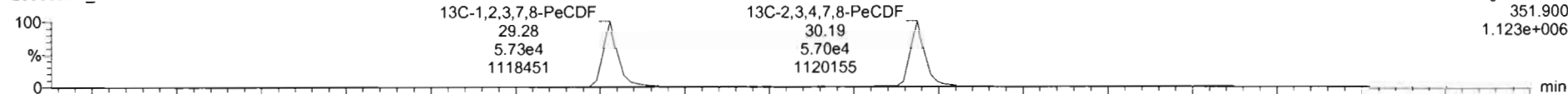
200309D1_4



F2:Voltage SIR,EI+
341.857
1.370e+006

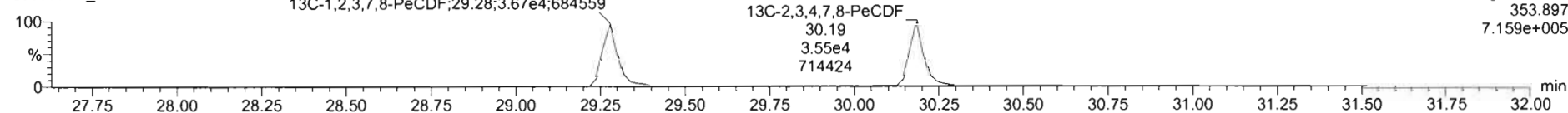
13C-1,2,3,7,8-PeCDF

200309D1_4



F2:Voltage SIR,EI+
351.900
1.123e+006

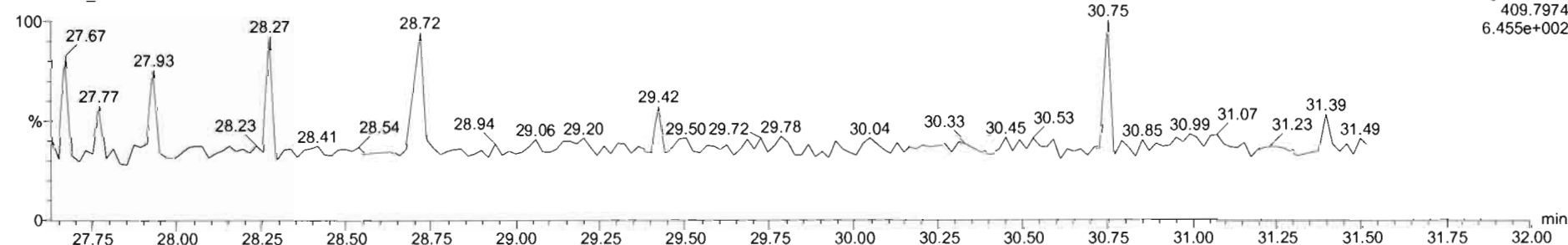
200309D1_4



F2:Voltage SIR,EI+
353.897
7.159e+005

DE2

200309D1_4



F2:Voltage SIR,EI+
409.7974
6.455e+002

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

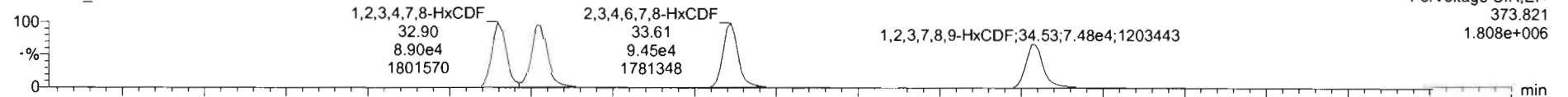
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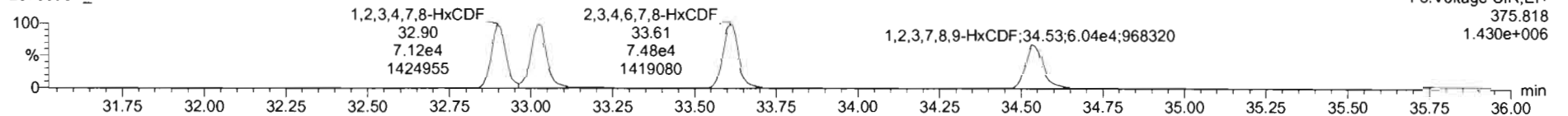
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1,2,3,4,7,8-HxCDF

200309D1_4

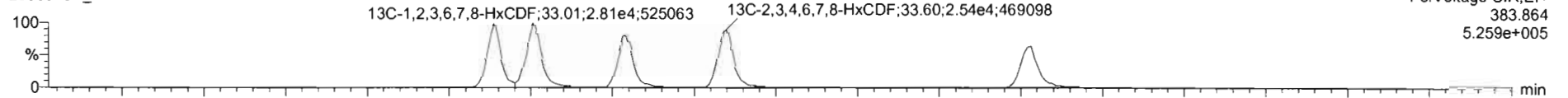


200309D1_4

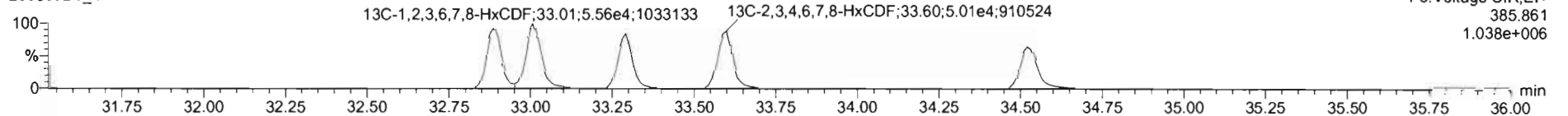


13C-1,2,3,4,7,8-HxCDF

200309D1_4

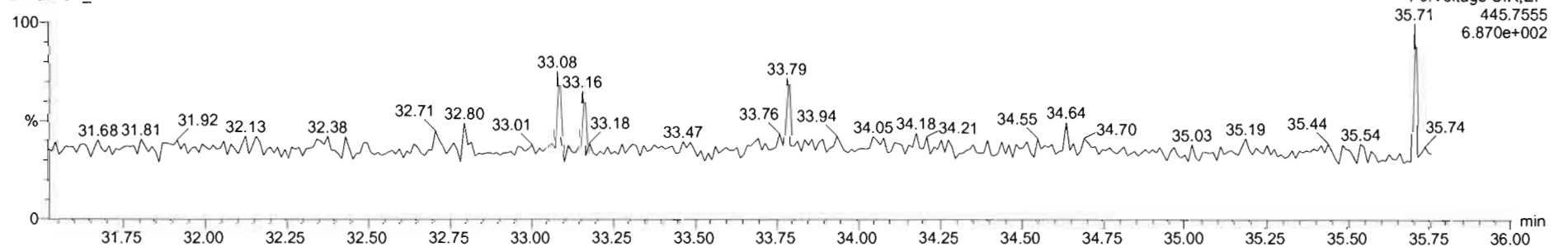


200309D1_4



DPE3

200309D1_4

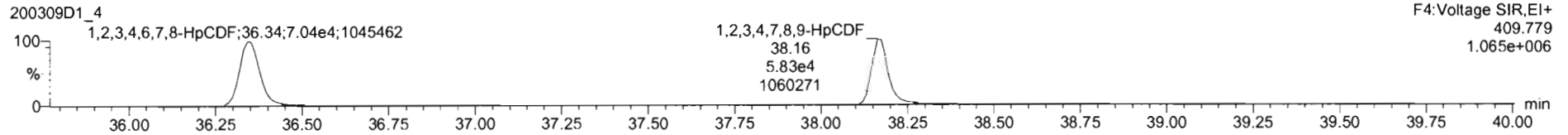
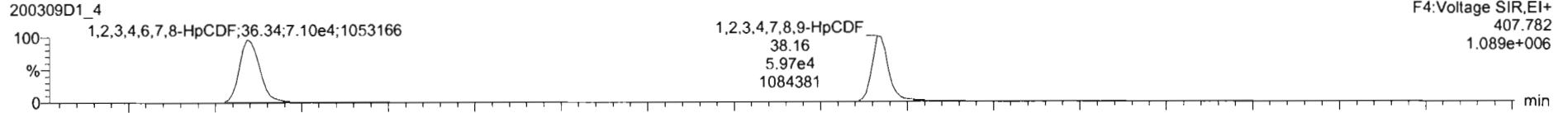


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

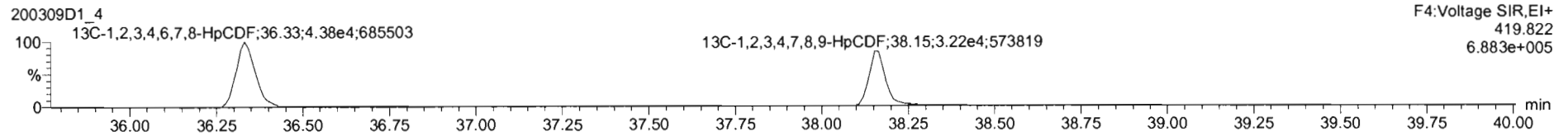
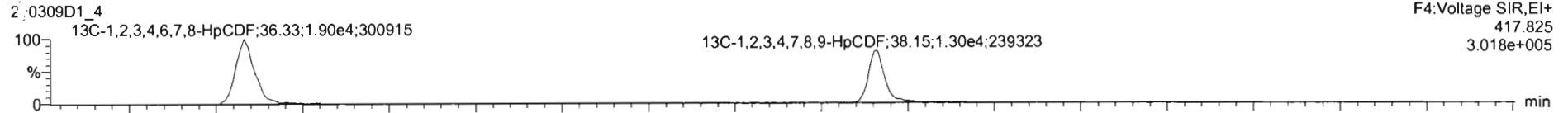
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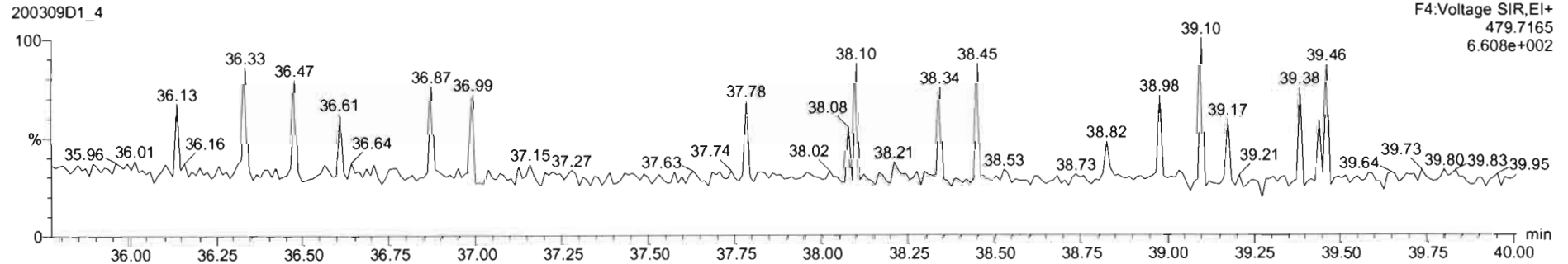
1,2,3,4,6,7,8-HpCDF



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



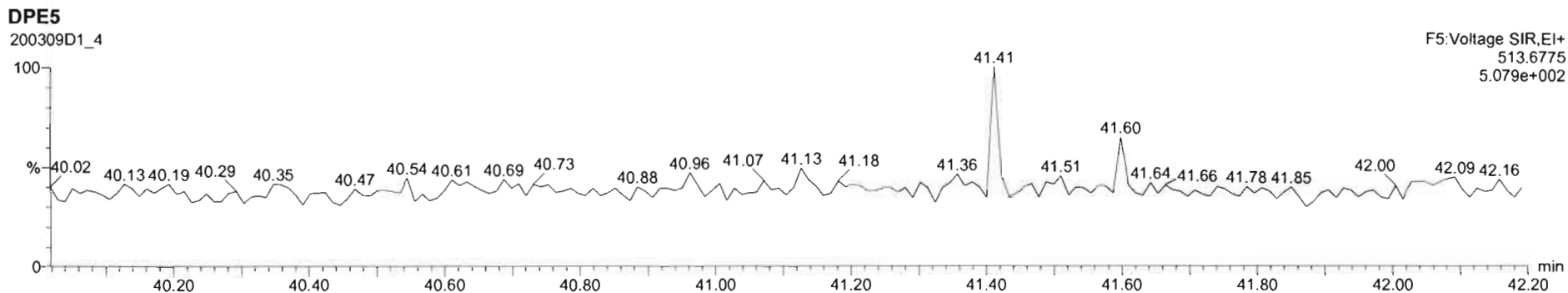
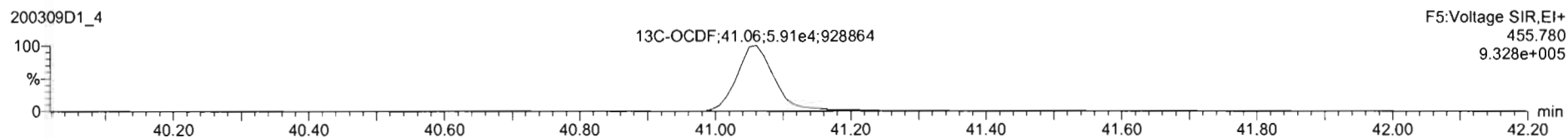
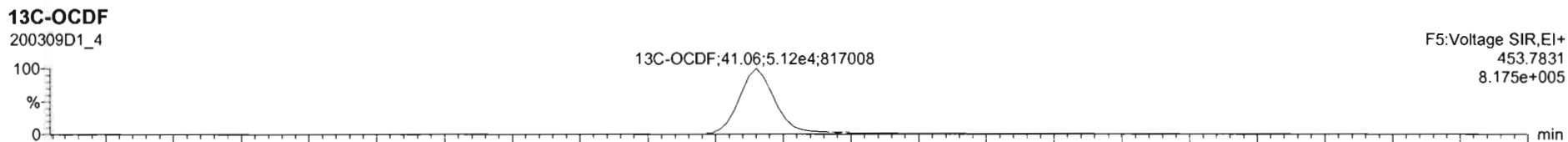
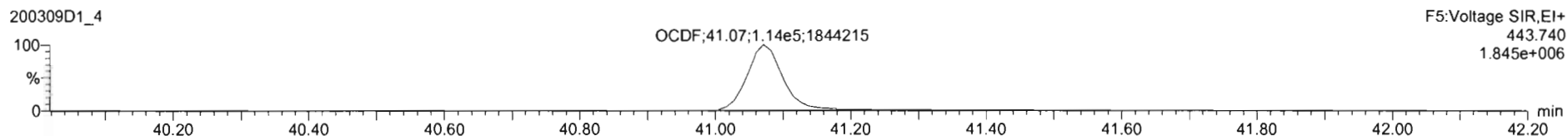
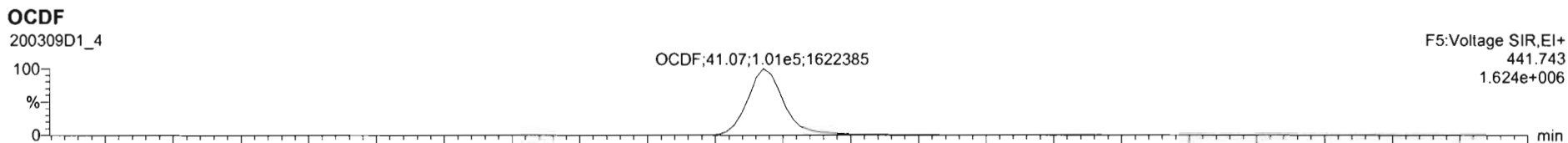
DPE4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

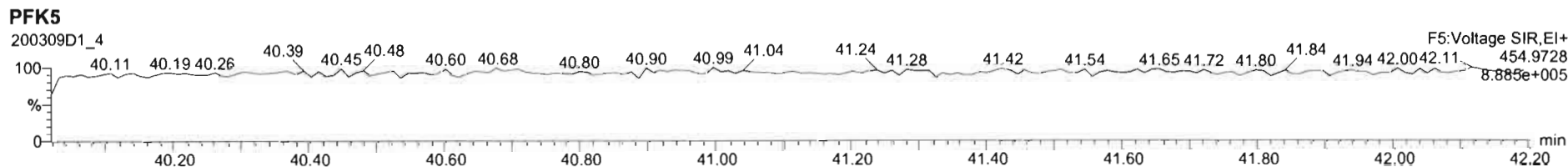
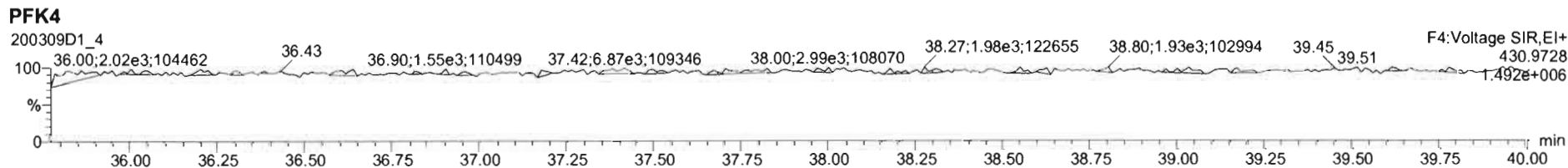
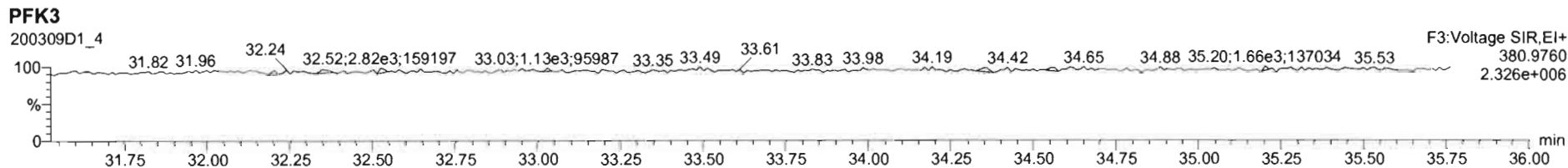
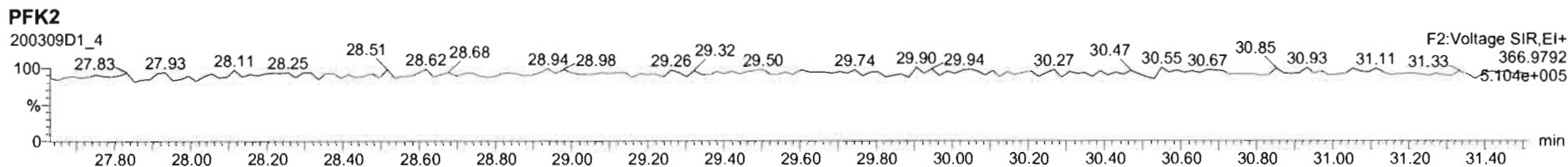
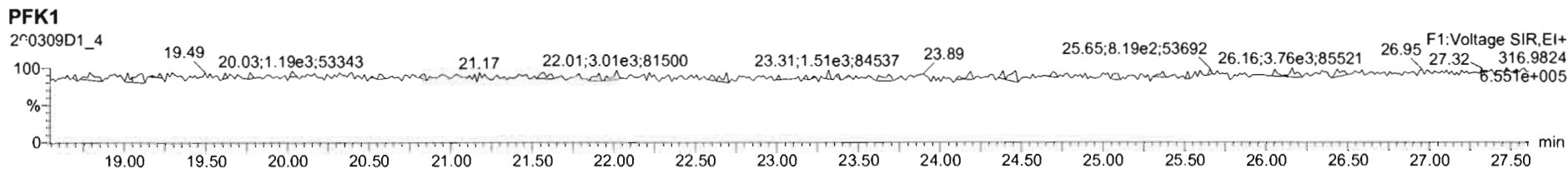
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Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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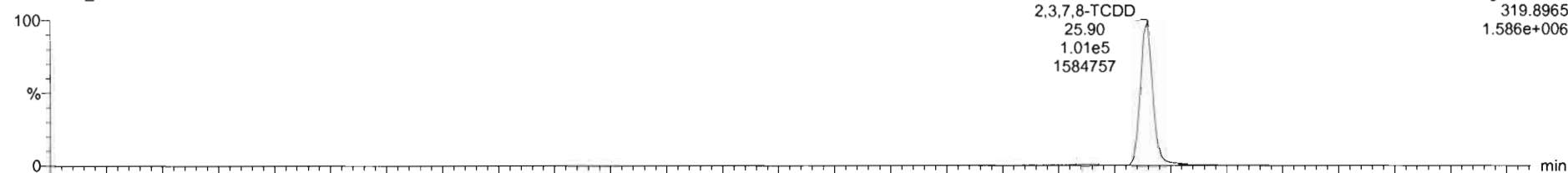
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

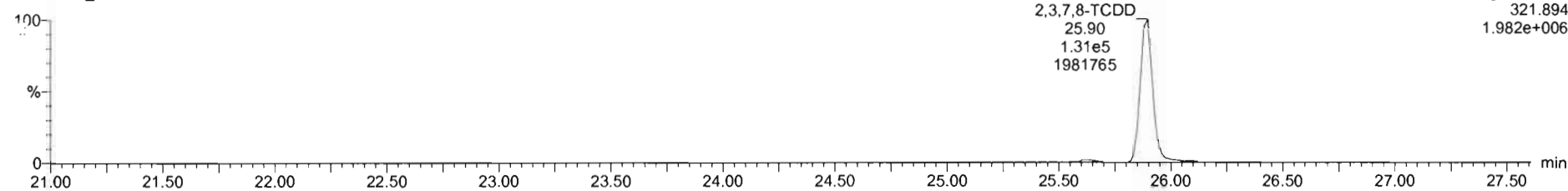
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2,3,7,8-TCDD

200309D1_5

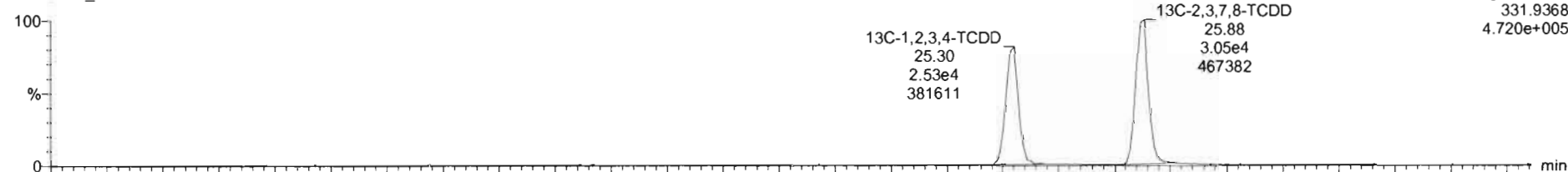


200309D1_5

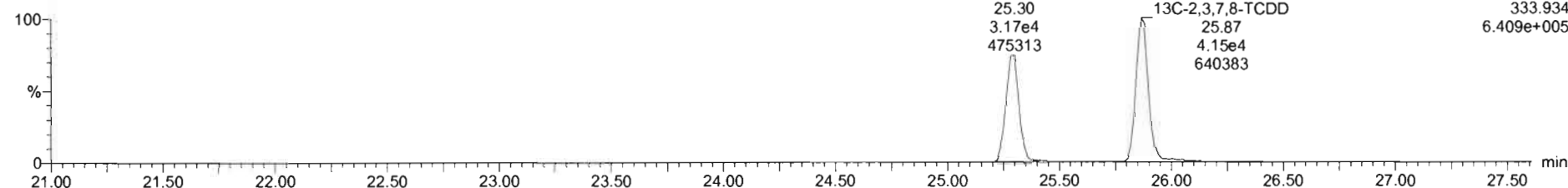


13C-2,3,7,8-TCDD

200309D1_5



200309D1_5



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

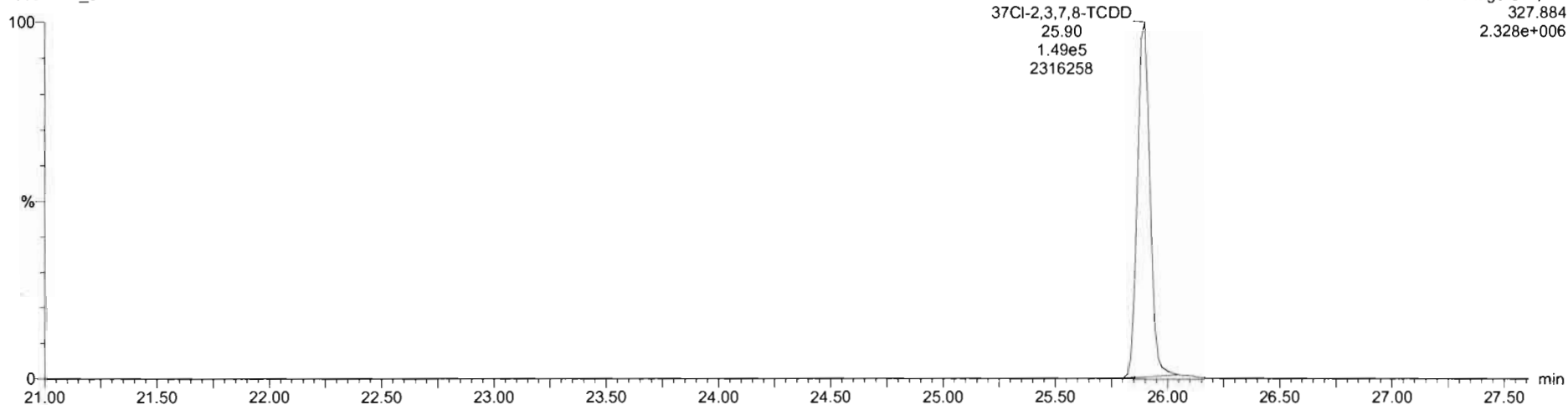
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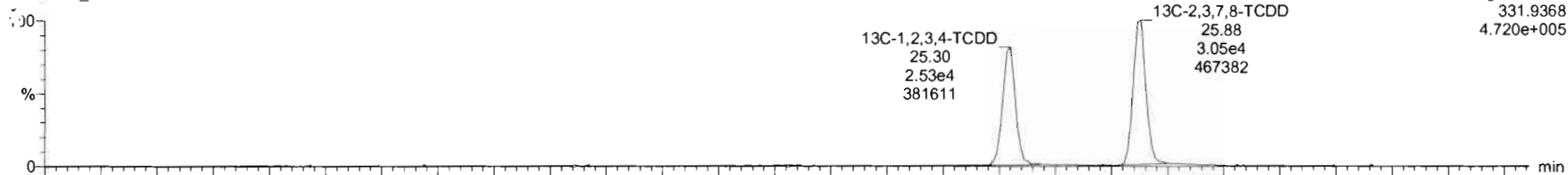
37Cl-2,3,7,8-TCDD

200309D1_5

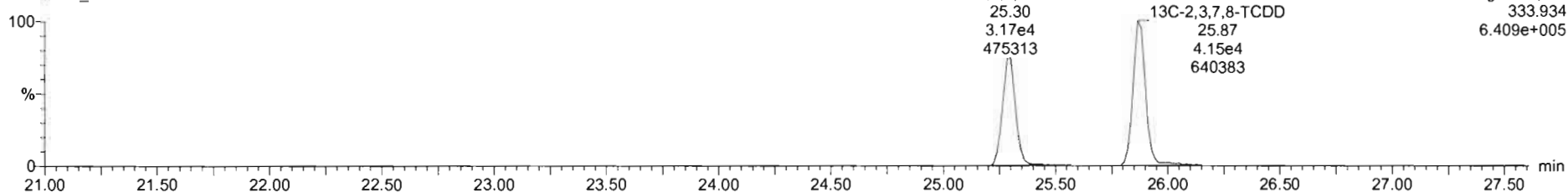


13C-1,2,3,4-TCDD

200309D1_5



200309D1_5



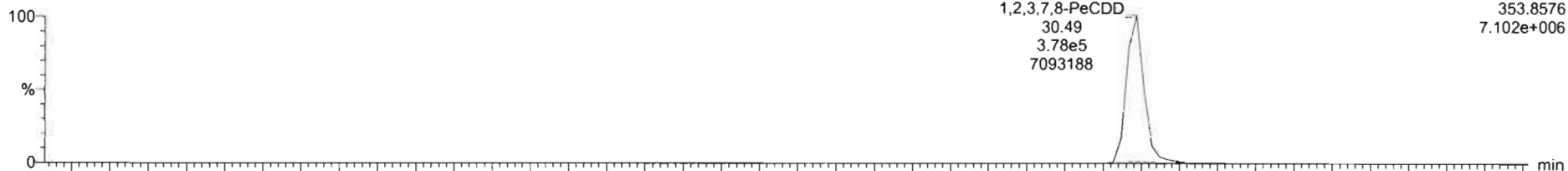
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

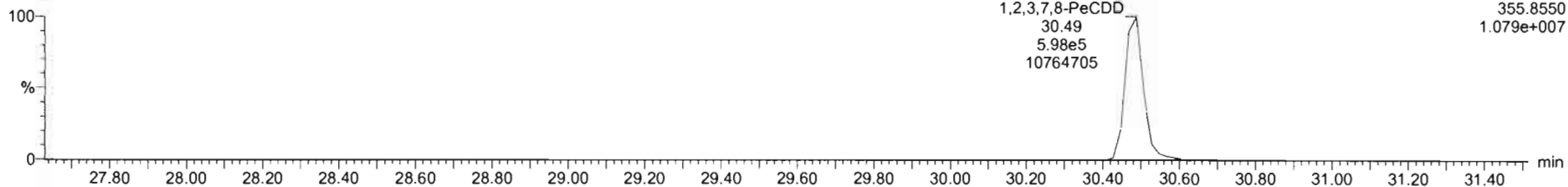
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1,2,3,7,8-PeCDD

200309D1_5

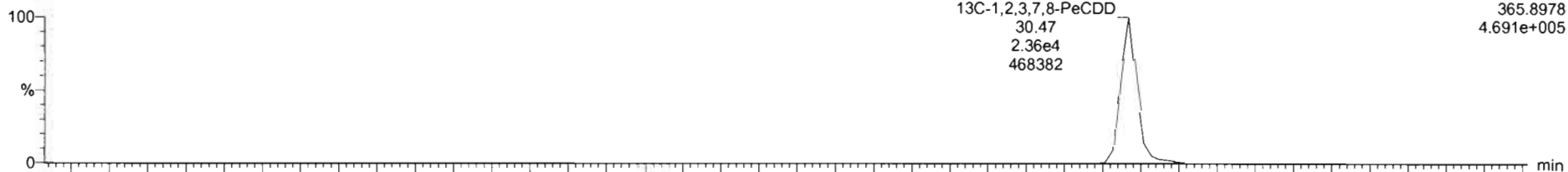


200309D1_5

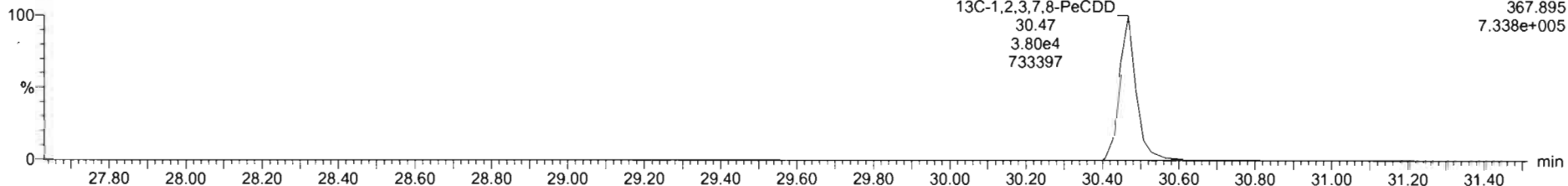


13C-1,2,3,7,8-PeCDD

200309D1_5



200309D1_5



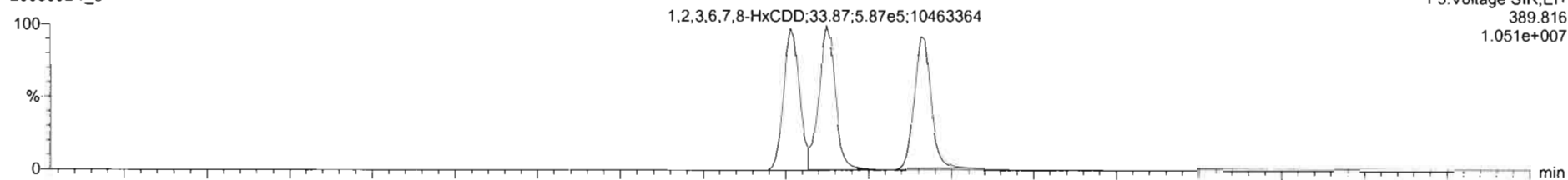
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

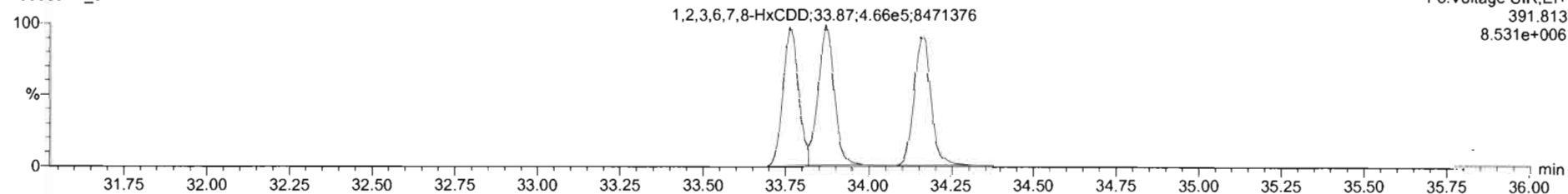
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1,2,3,4,7,8-HxCDD

200309D1_5

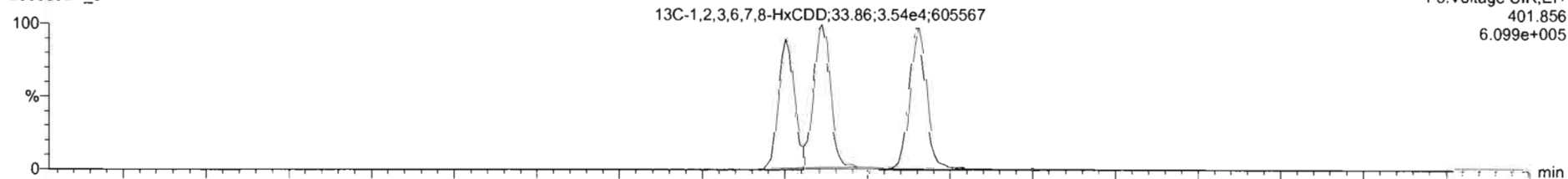


200309D1_5

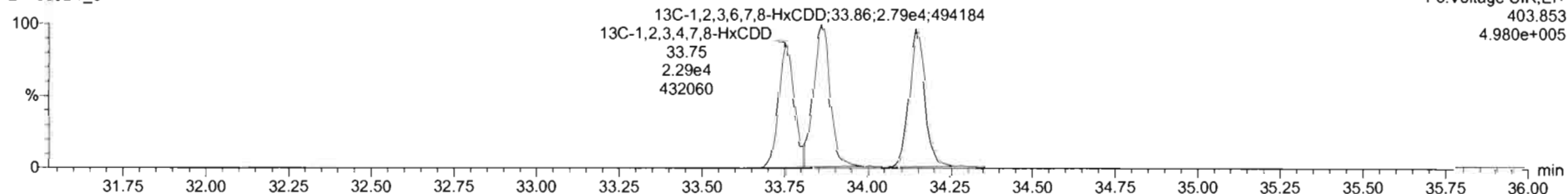


13C-1,2,3,4,7,8-HxCDD

200309D1_5



200309D1_5



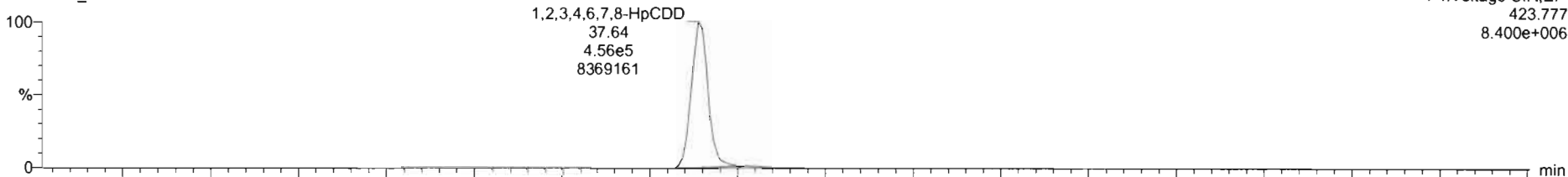
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

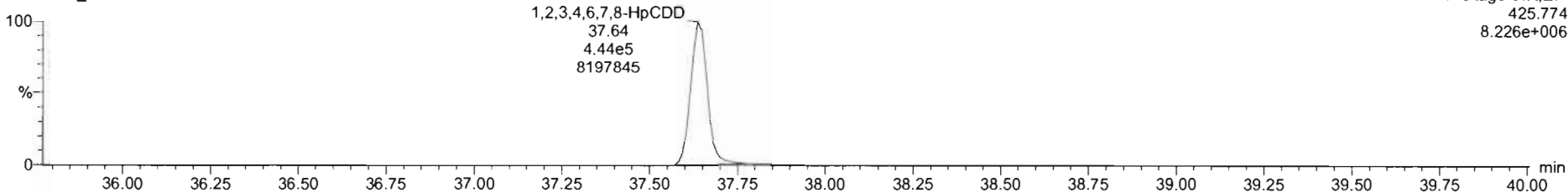
1,2,3,4,6,7,8-HpCDD

200309D1_5



F4:Voltage SIR,EI+
423.777
8.400e+006

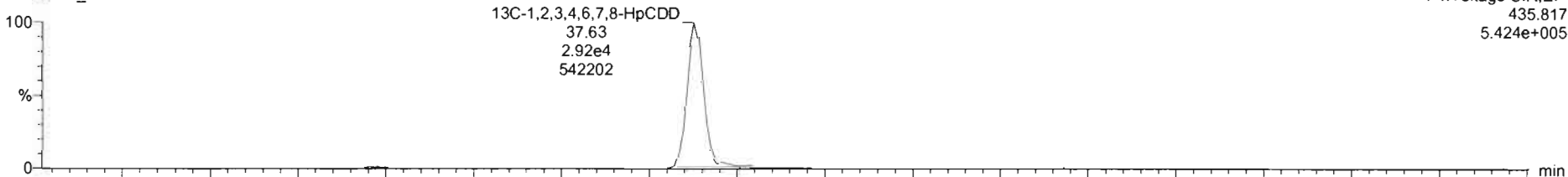
200309D1_5



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425.774
8.226e+006

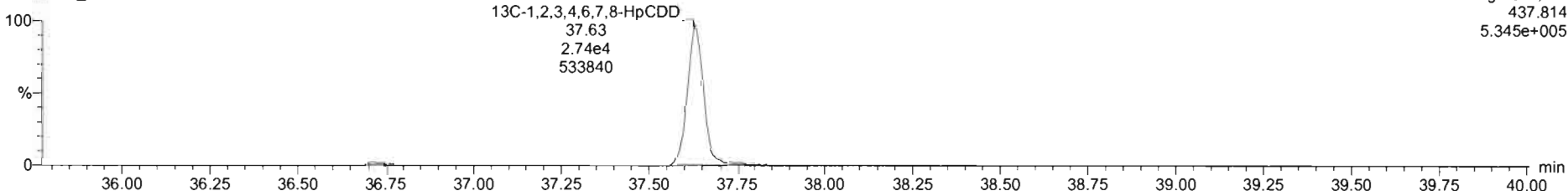
13C-1,2,3,4,6,7,8-HpCDD

200309D1_5



F4:Voltage SIR,EI+
435.817
5.424e+005

200309D1_5

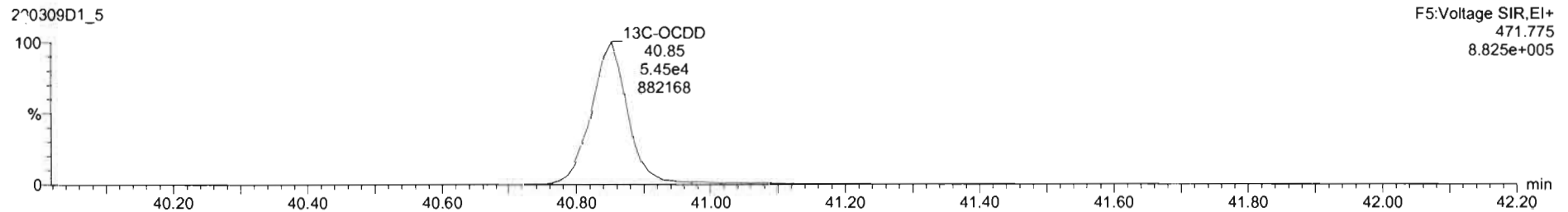
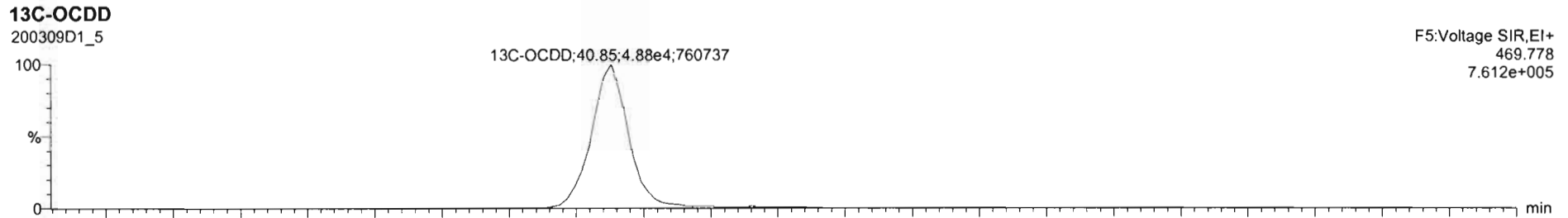
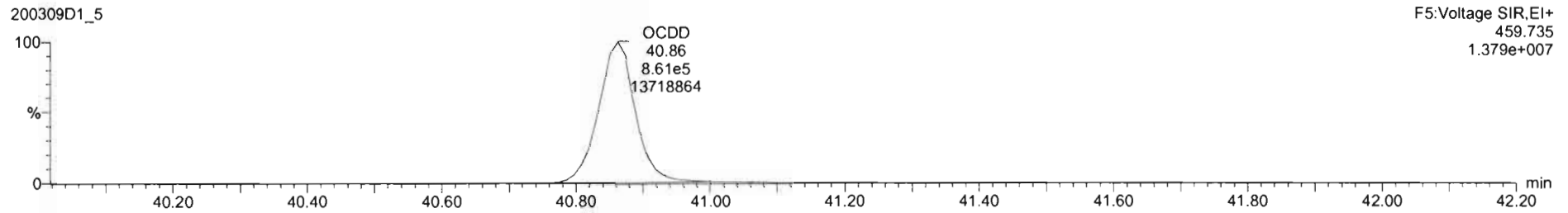
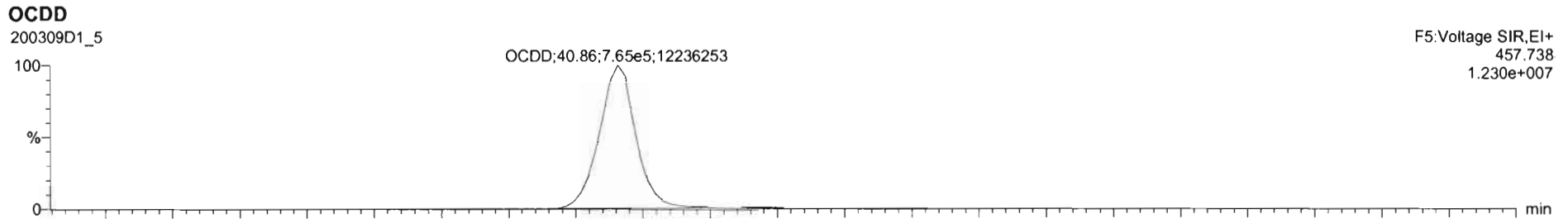


F4:Voltage SIR,EI+
437.814
5.345e+005

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307



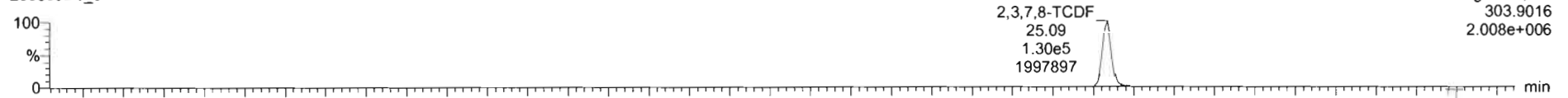
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

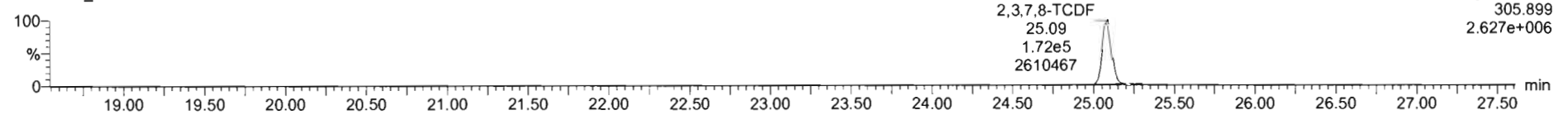
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2,3,7,8-TCDF

200309D1_5

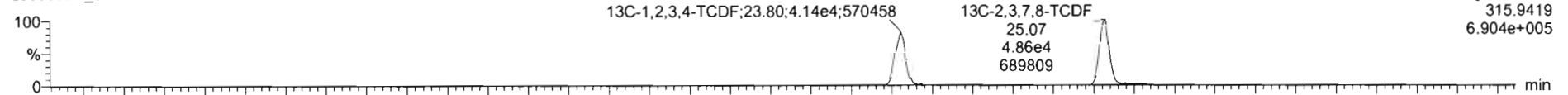


200309D1_5

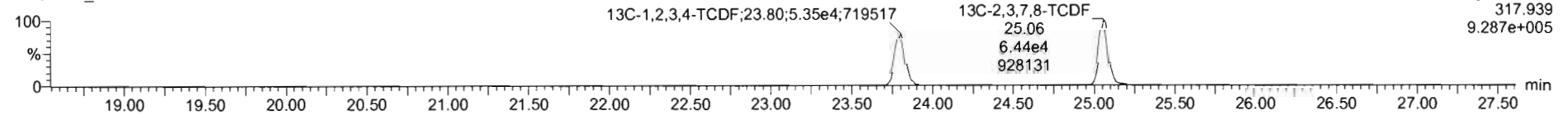


13C-2,3,7,8-TCDF

200309D1_5

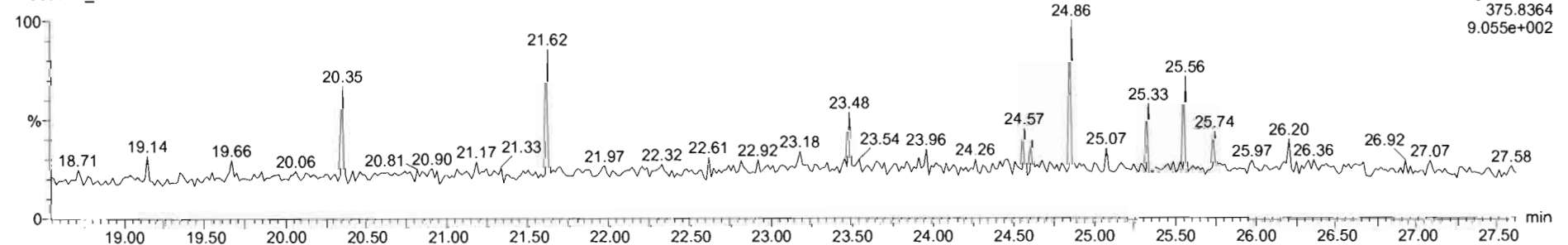


200309D1_5



DPE1

200309D1_5



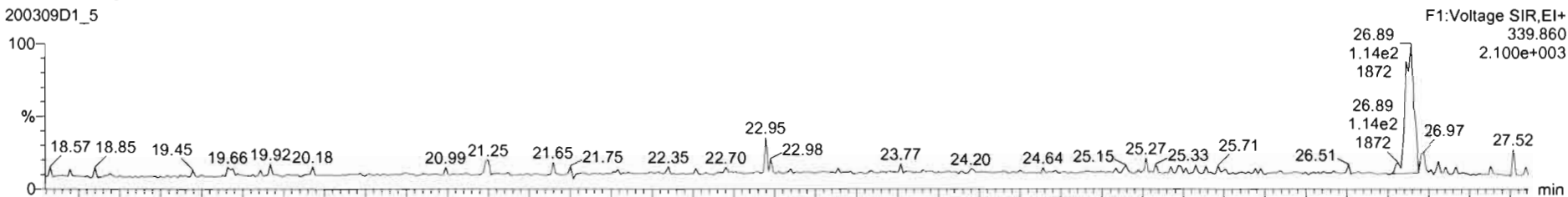
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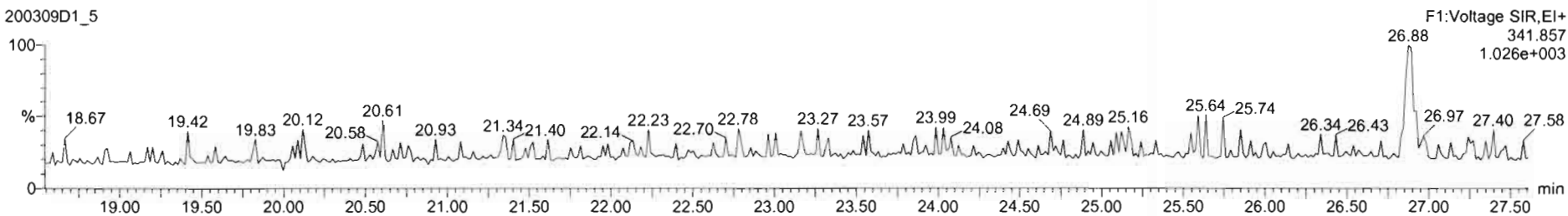
Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

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200309D1_5

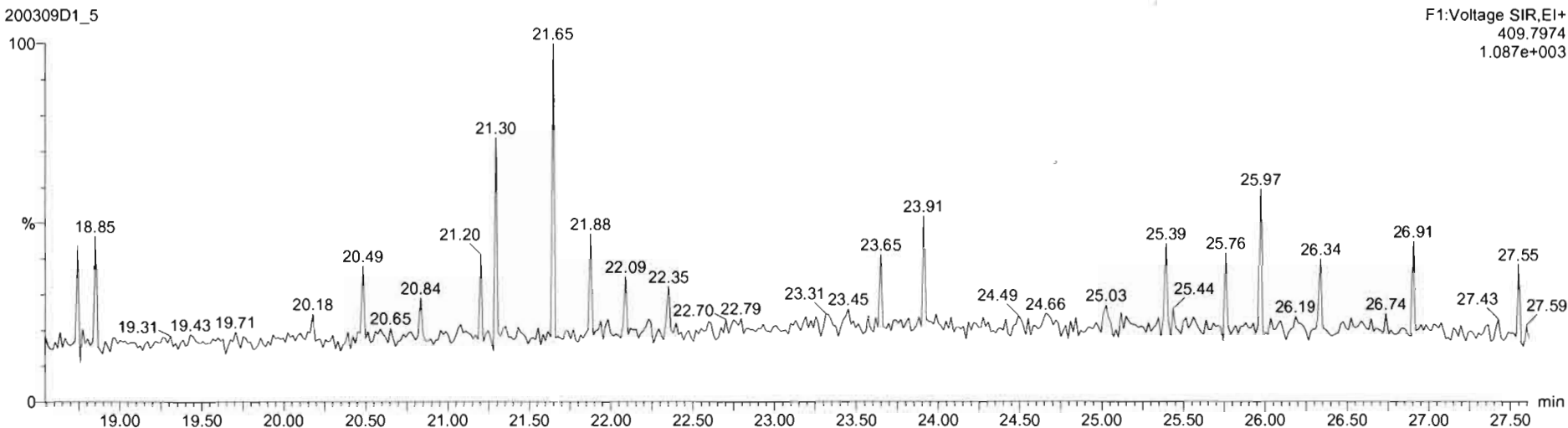


200309D1_5



DPE6

200309D1_5



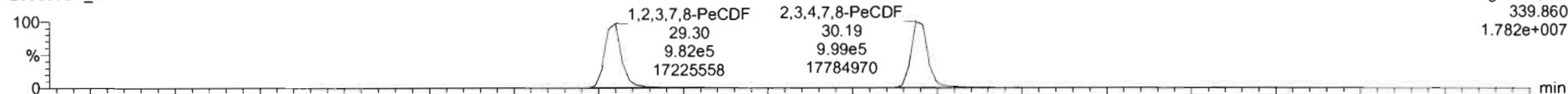
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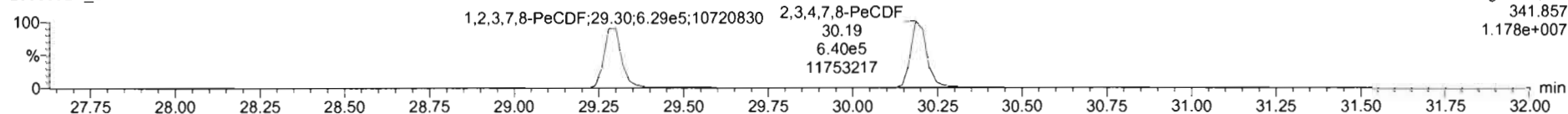
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1,2,3,7,8-PeCDF

200309D1_5

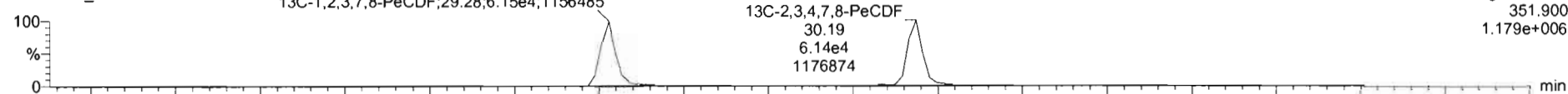


200309D1_5

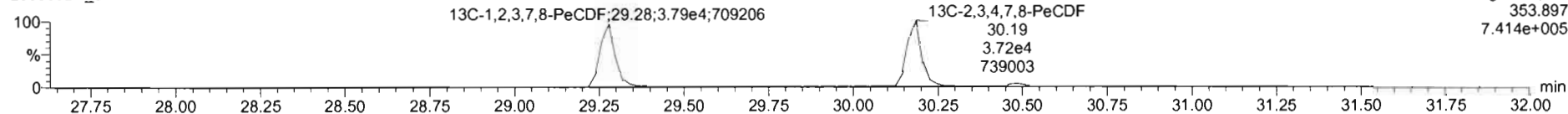


13C-1,2,3,7,8-PeCDF

200309D1_5

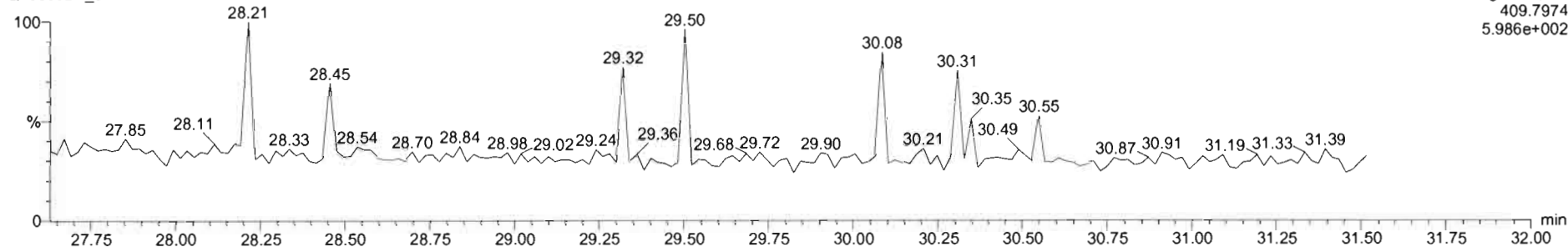


200309D1_5



DPE2

200309D1_5



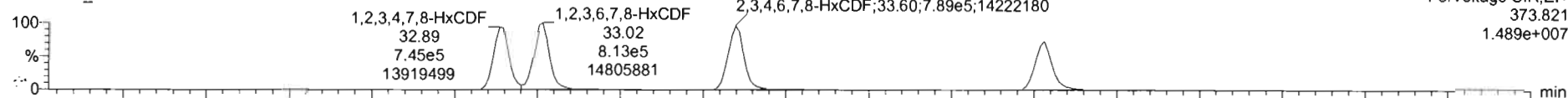
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

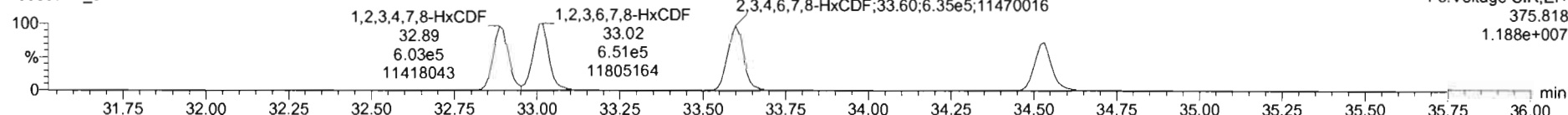
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1,2,3,4,7,8-HxCDF

200309D1_5

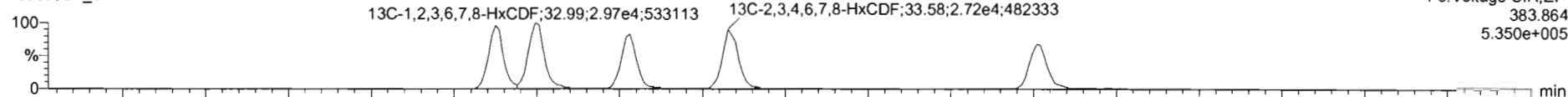


200309D1_5

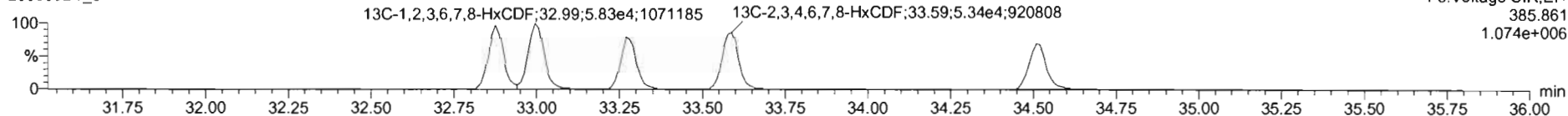


13C-1,2,3,4,7,8-HxCDF

200309D1_5

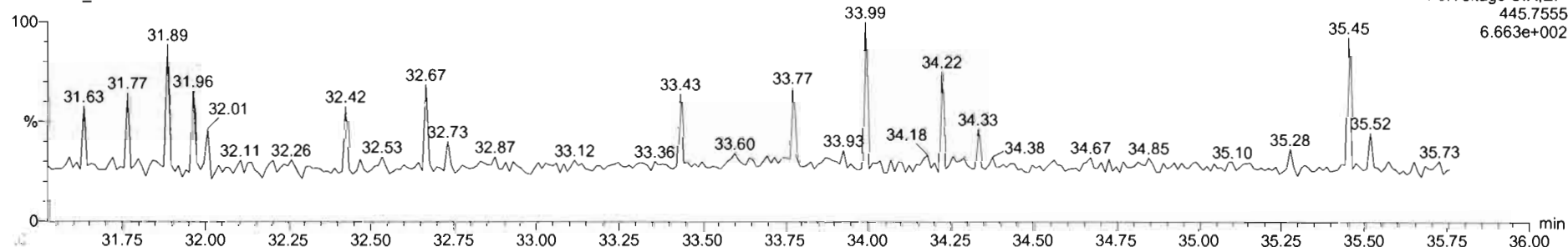


200309D1_5



DPE3

200309D1_5

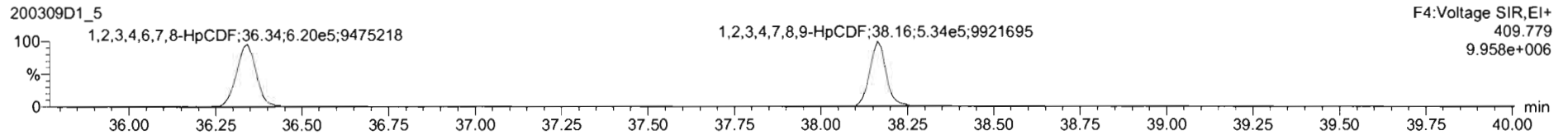
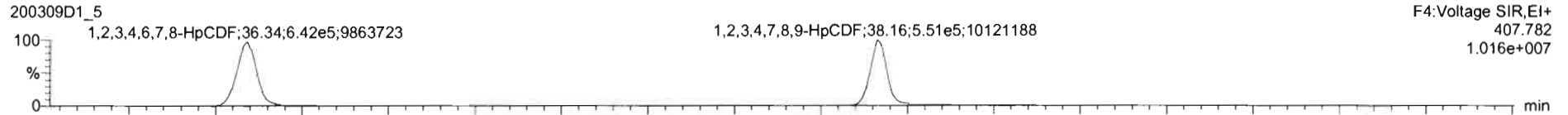


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

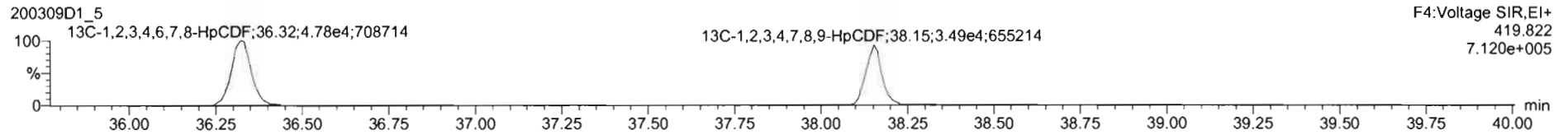
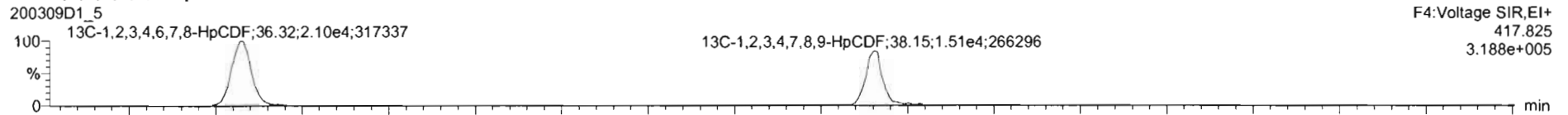
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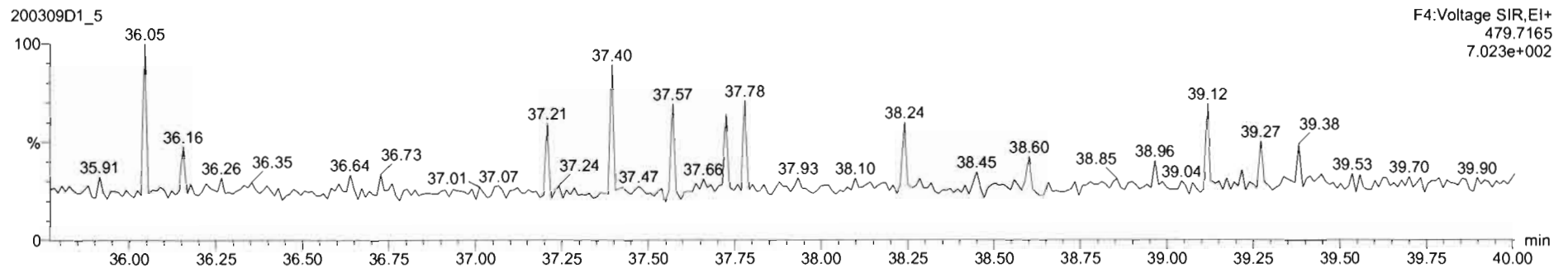
1,2,3,4,6,7,8-HpCDF



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



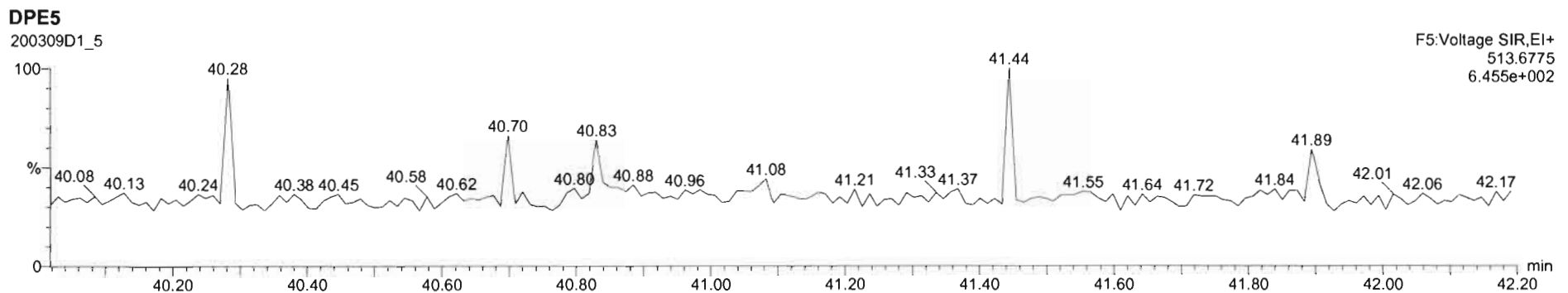
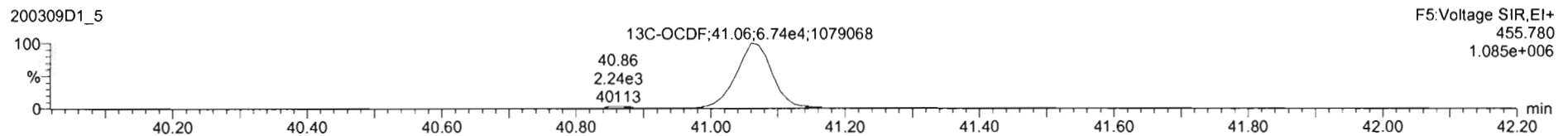
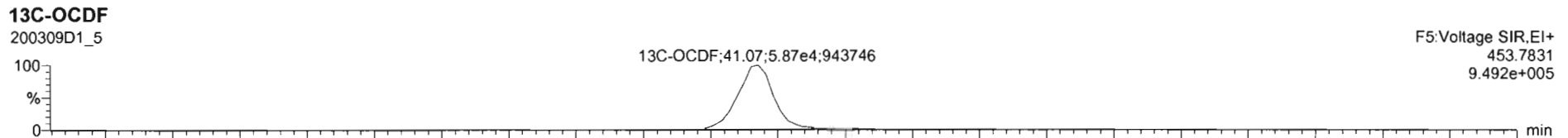
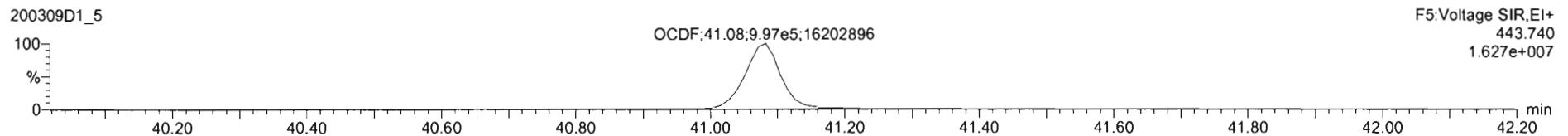
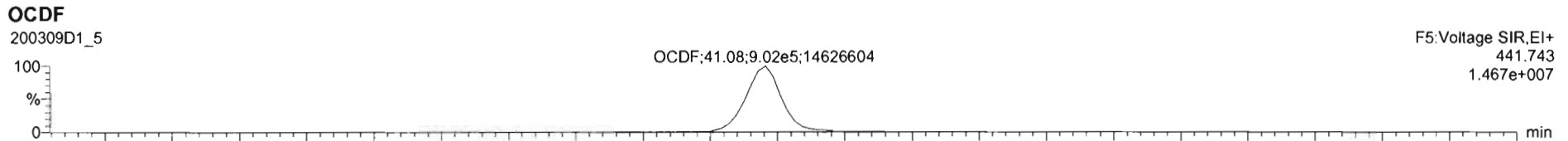
DPE4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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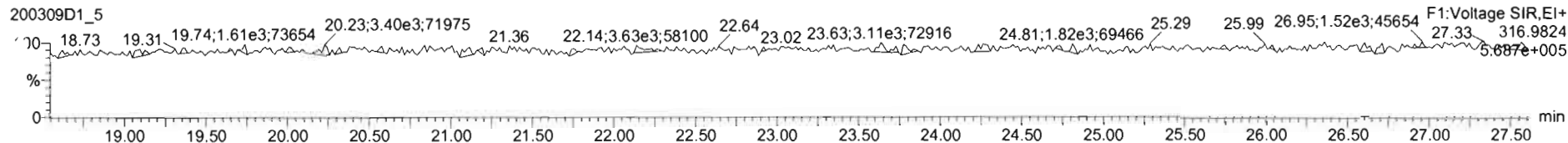


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

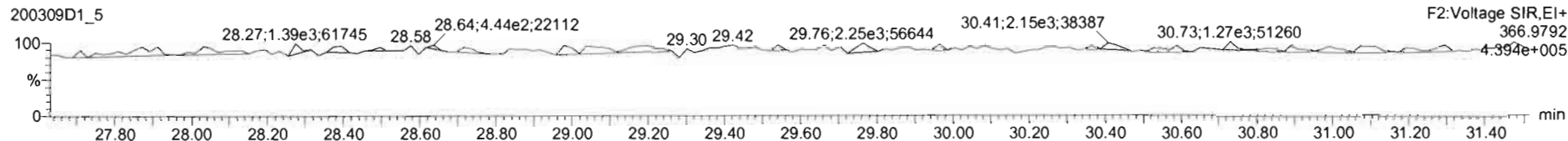
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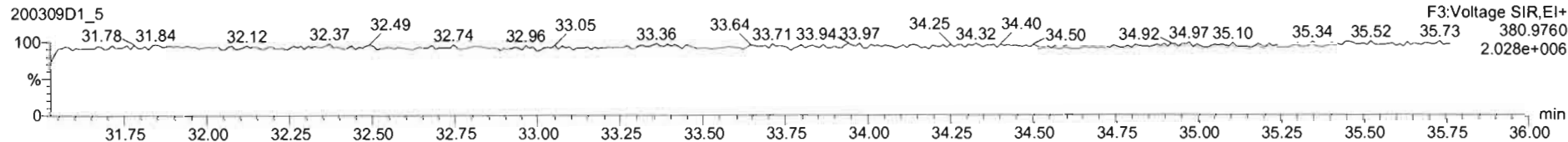
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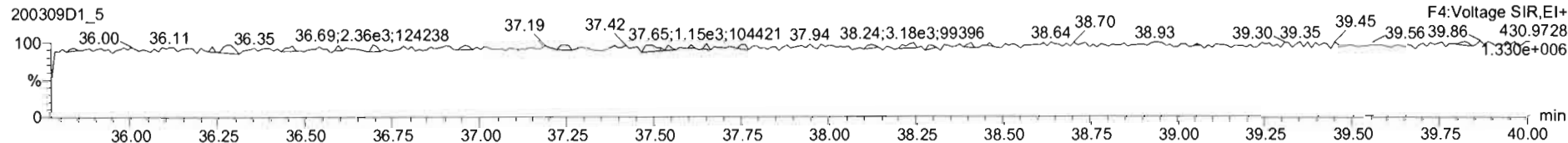
PFK2



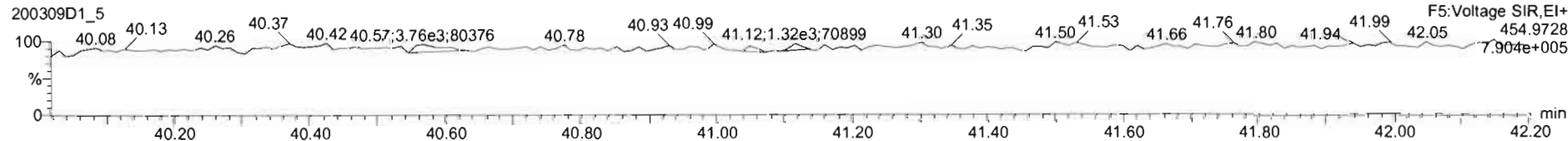
PFK3



PFK4



PFK5



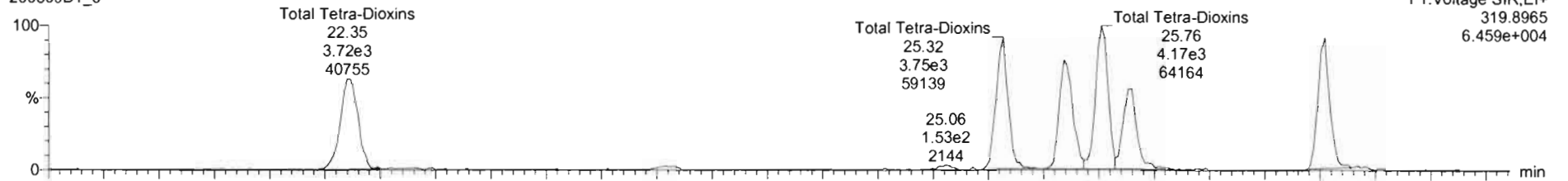
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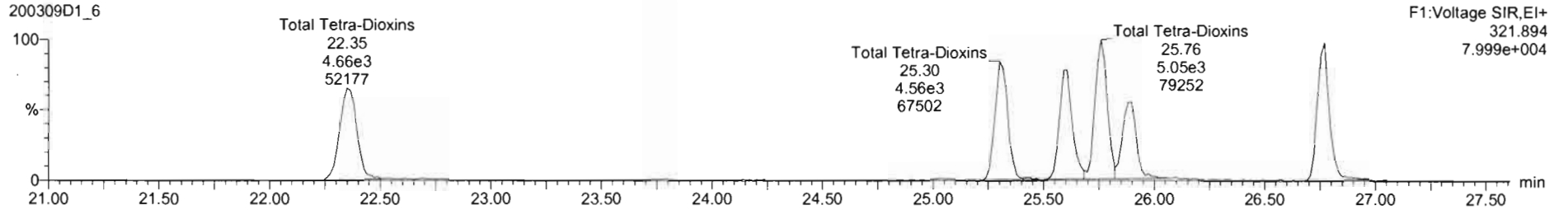
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2,3,7,8-TCDD

200309D1_6

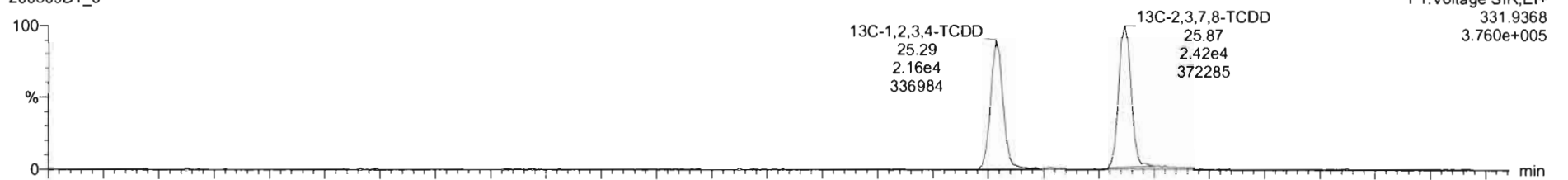


200309D1_6

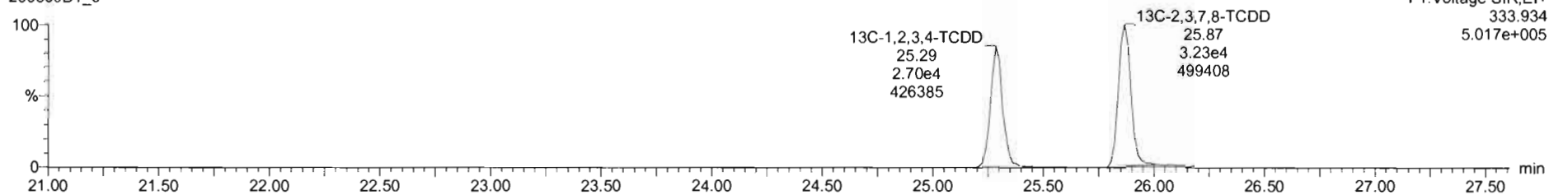


13C-2,3,7,8-TCDD

200309D1_6



200309D1_6



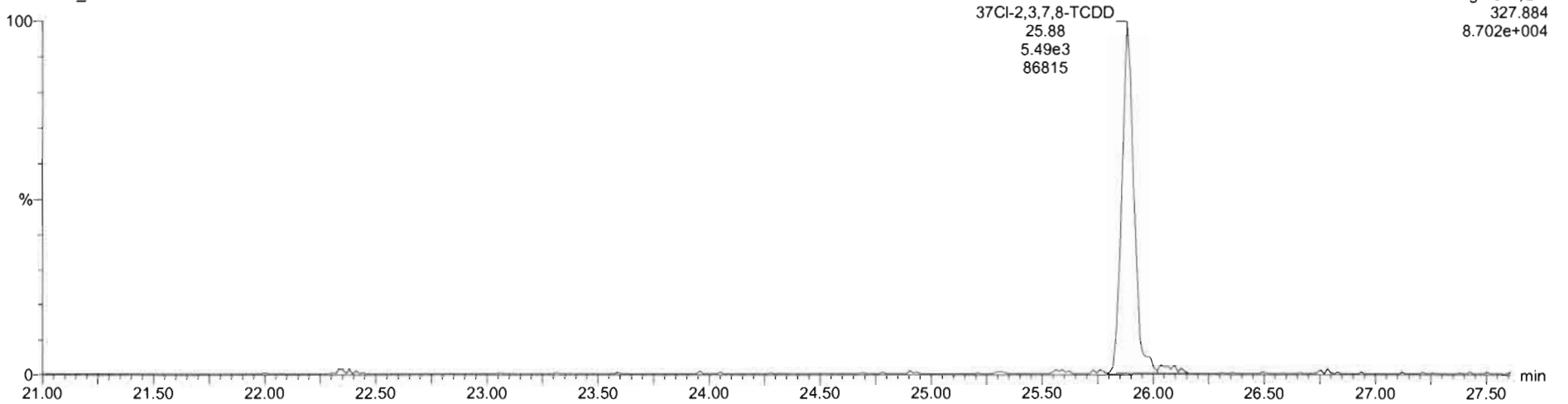
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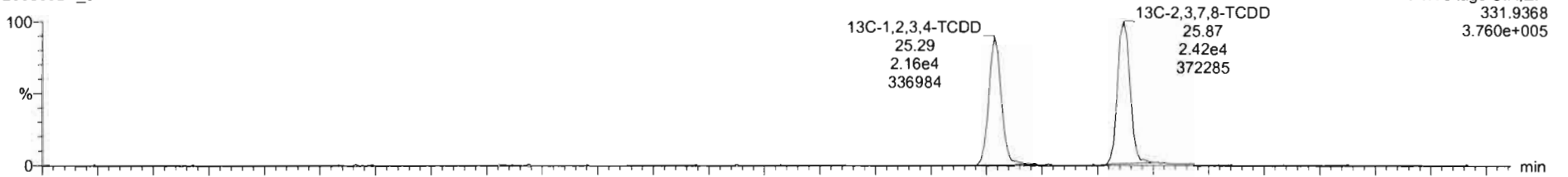
37Cl-2,3,7,8-TCDD

200309D1_6

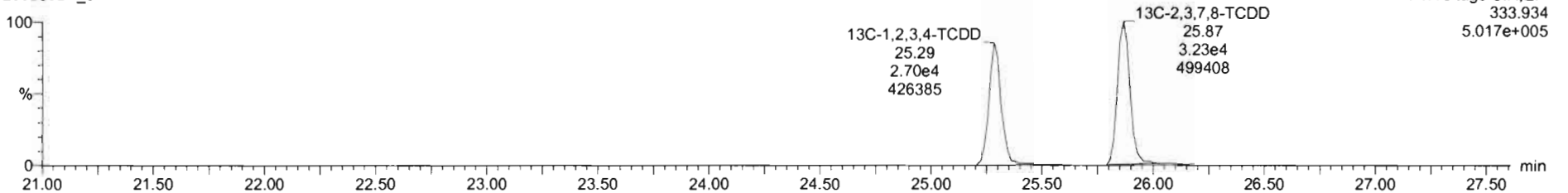


13C-1,2,3,4-TCDD

200309D1_6



200309D1_6

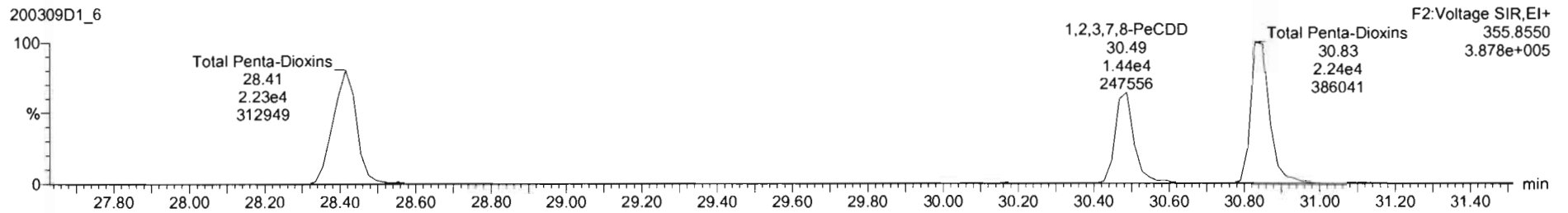
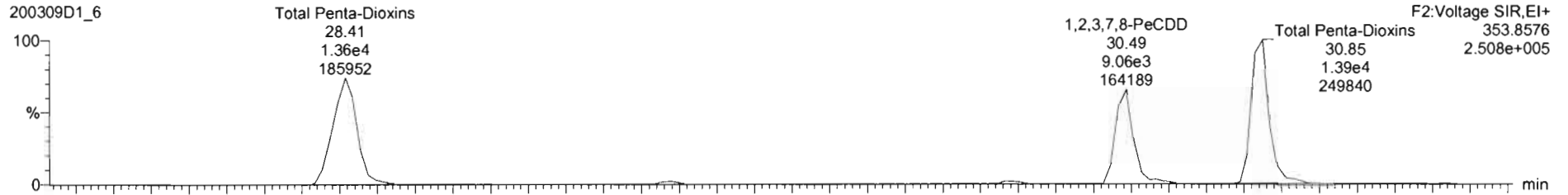


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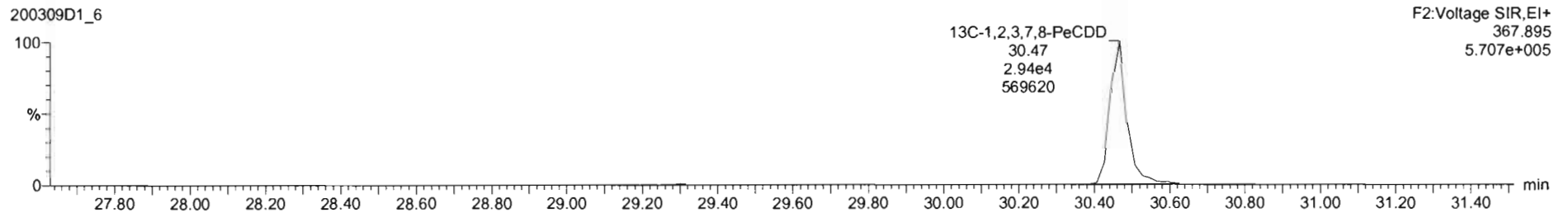
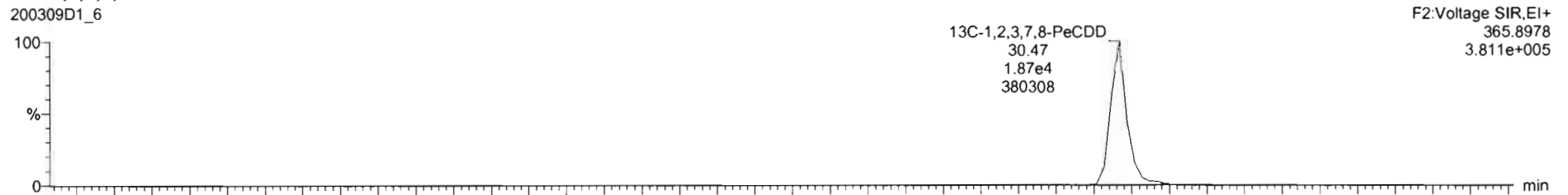
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1,2,3,7,8-PeCDD



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



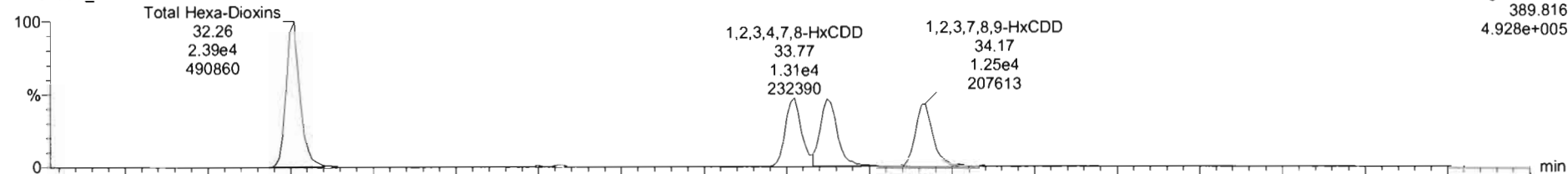
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

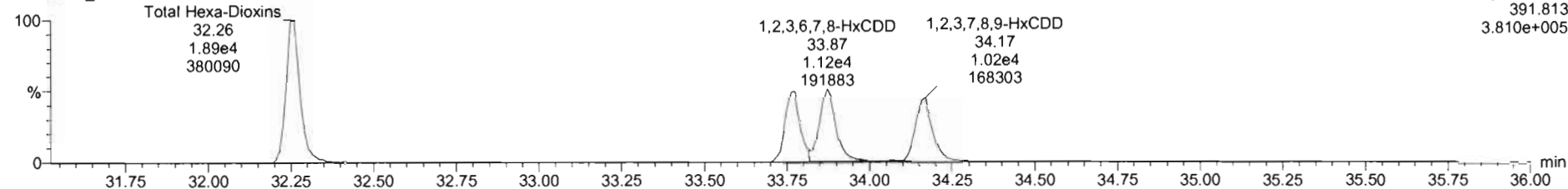
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1,2,3,4,7,8-HxCDD

200309D1_6

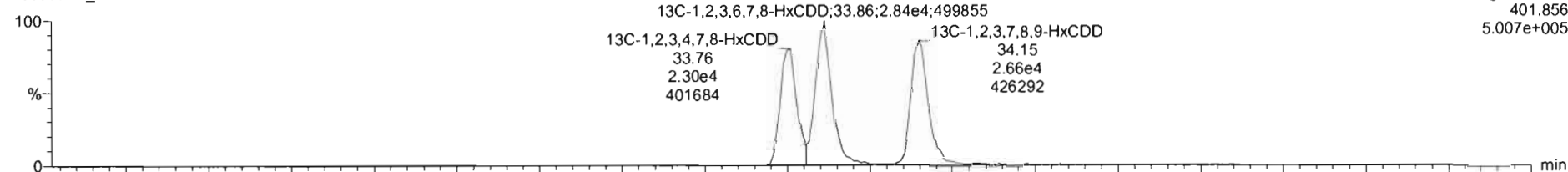


200309D1_6

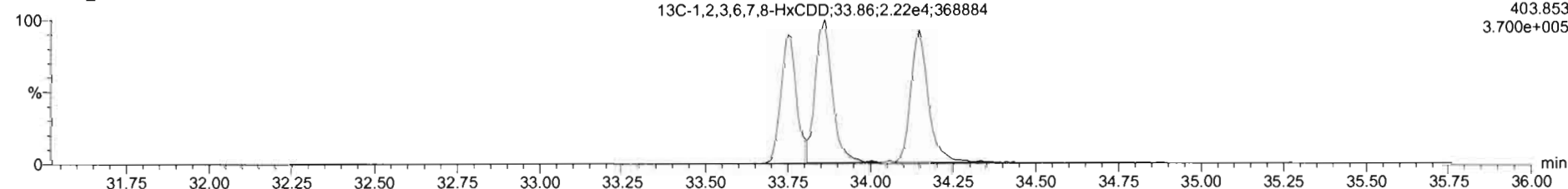


13C-1,2,3,4,7,8-HxCDD

200309D1_6



200309D1_6



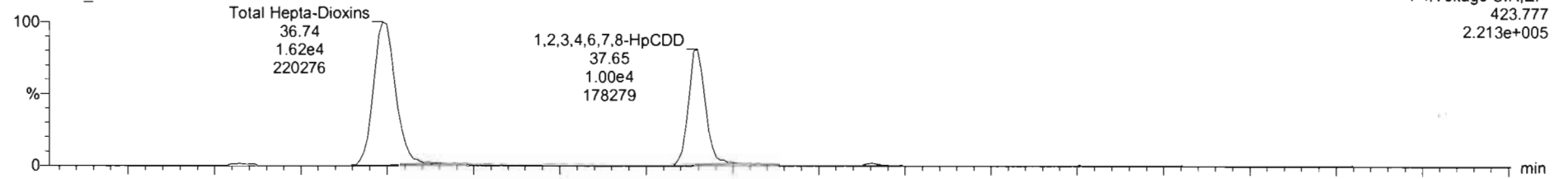
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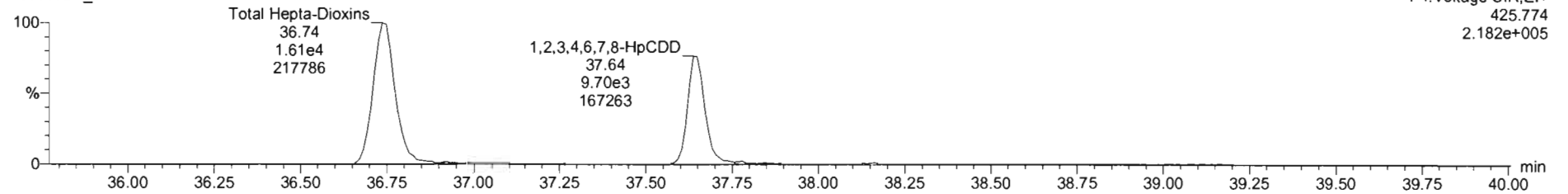
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1,2,3,4,6,7,8-HpCDD

200309D1_6

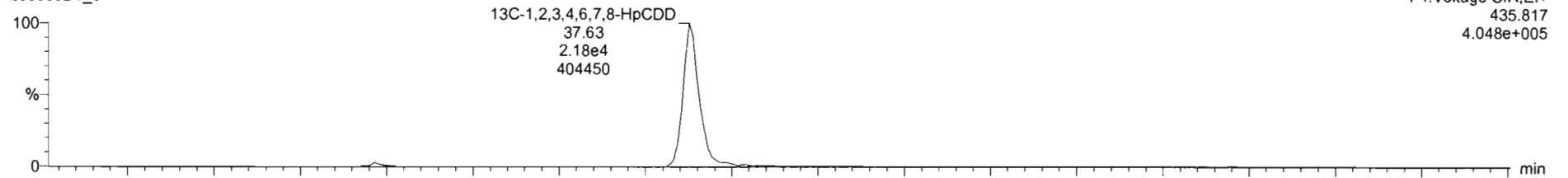


200309D1_6

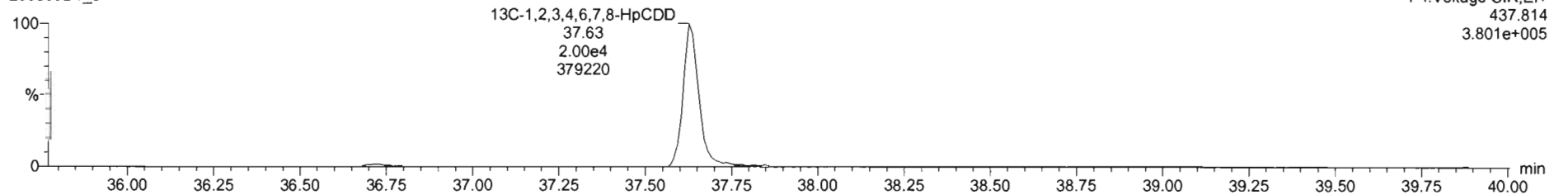


13C-1,2,3,4,6,7,8-HpCDD

200309D1_6



200309D1_6



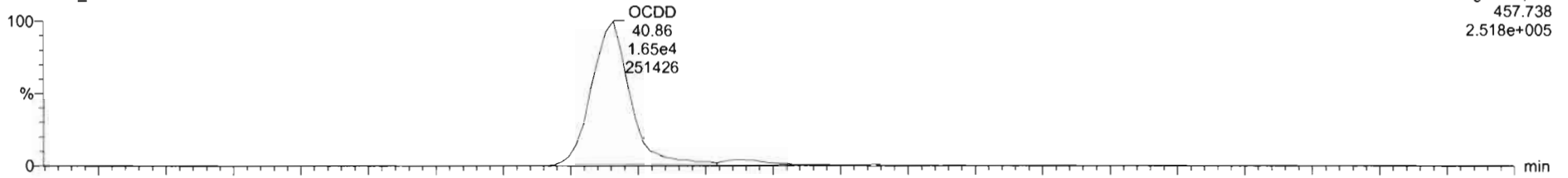
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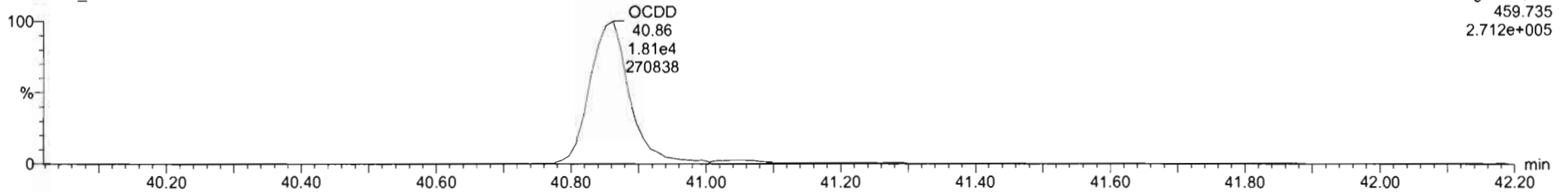
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OCDD

200309D1_6

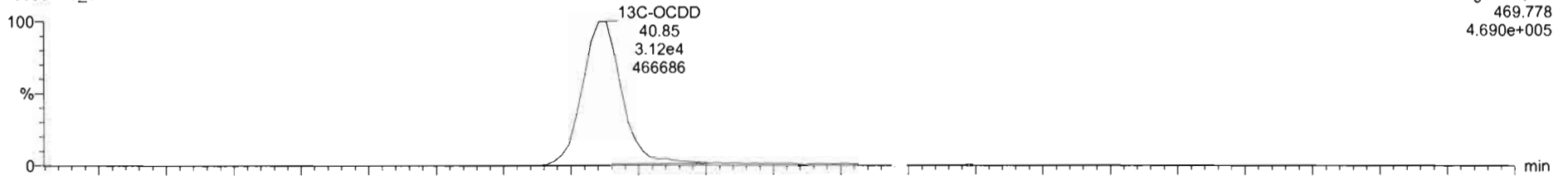


200309D1_6

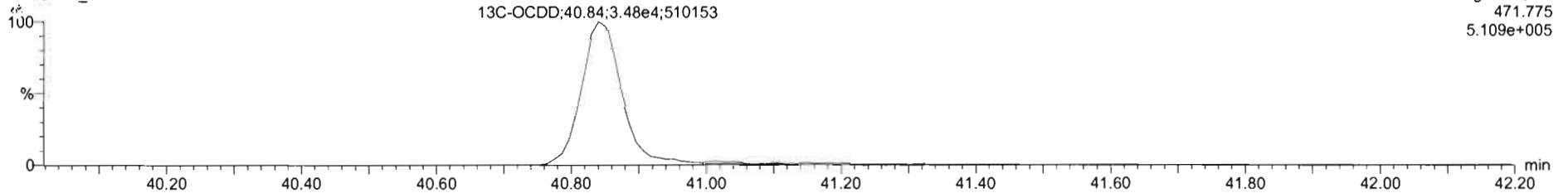


13C-OCDD

200309D1_6



200309D1_6

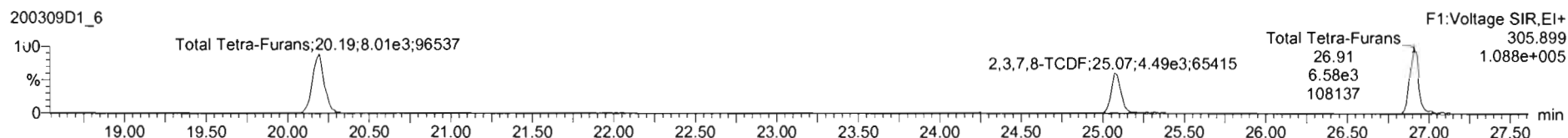
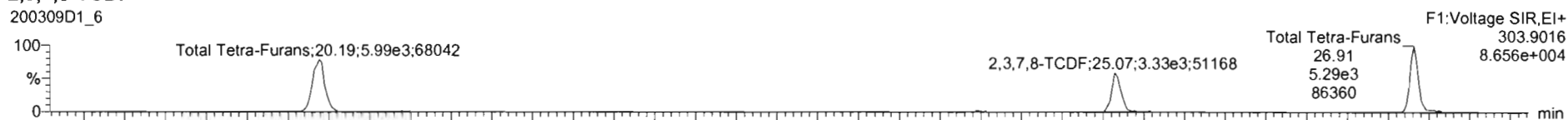


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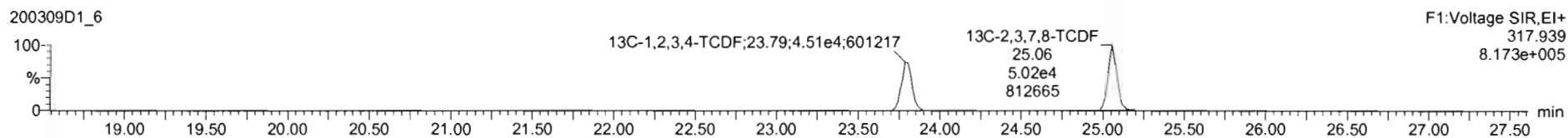
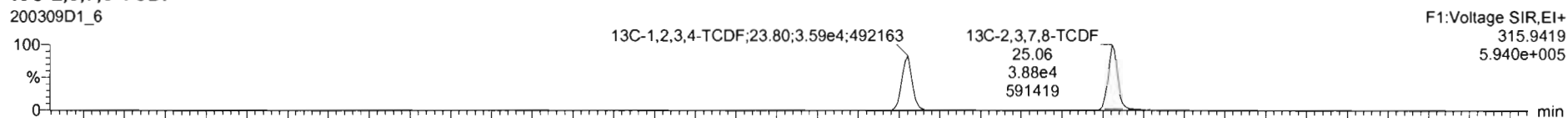
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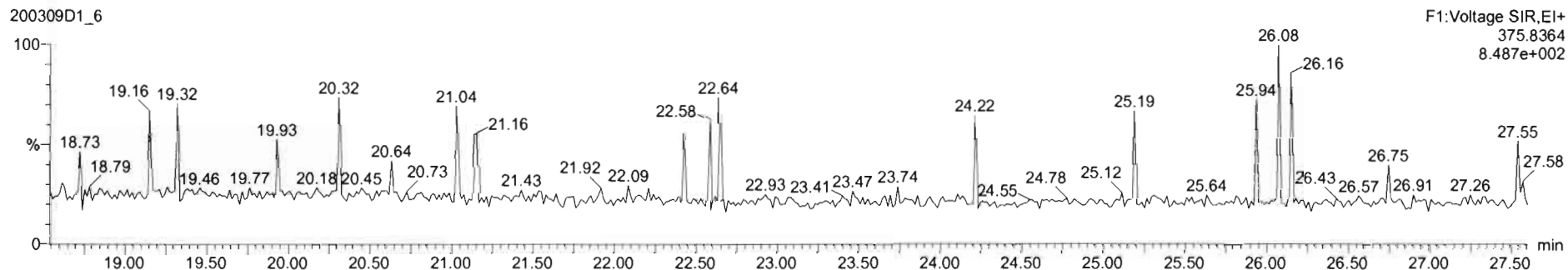
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13C-2,3,7,8-TCDF



DPE1



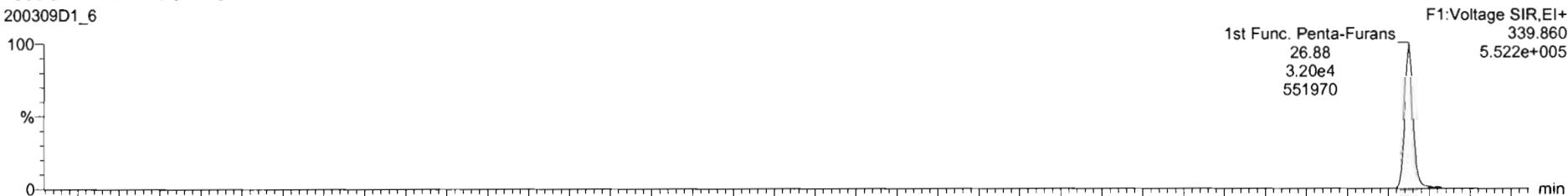
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

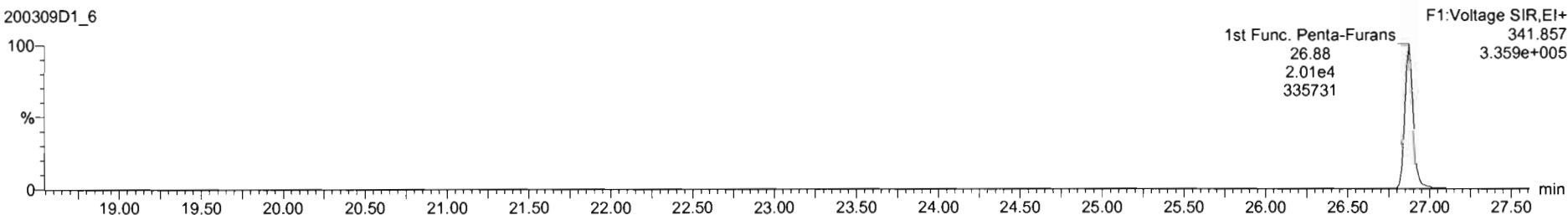
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200309D1_6

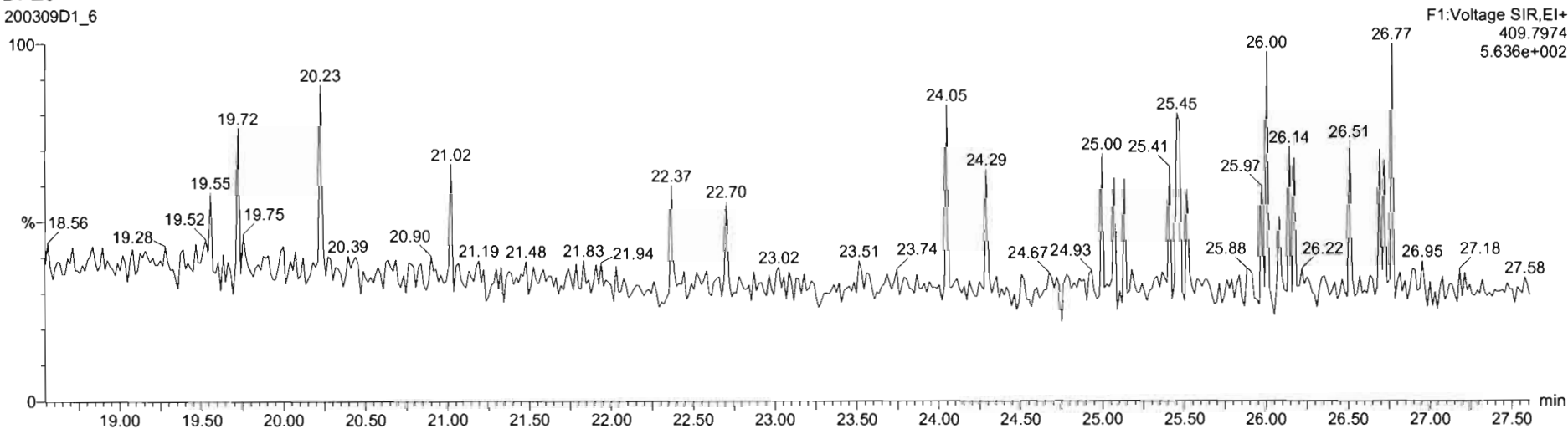


200309D1_6



DPE6

200309D1_6

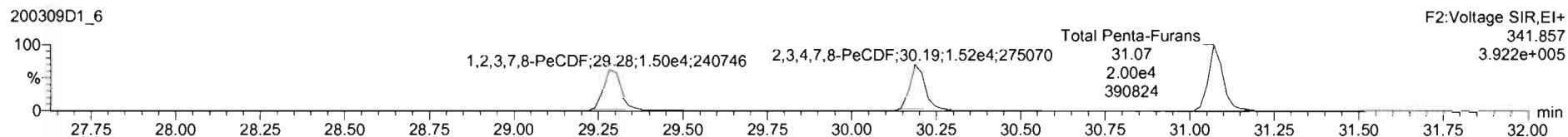
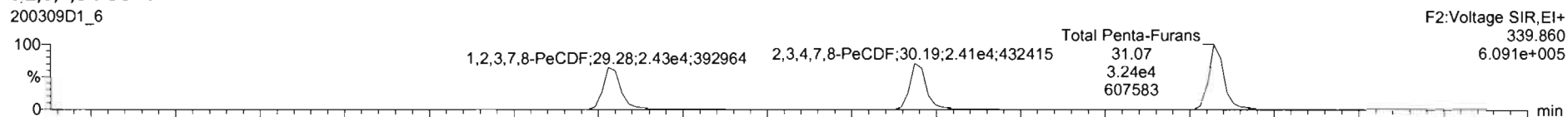


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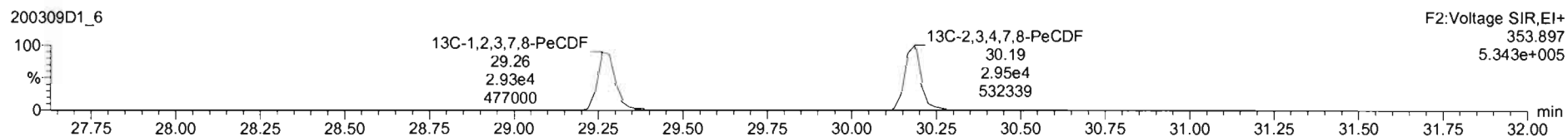
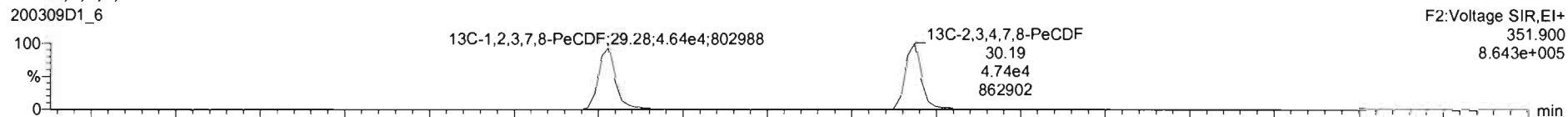
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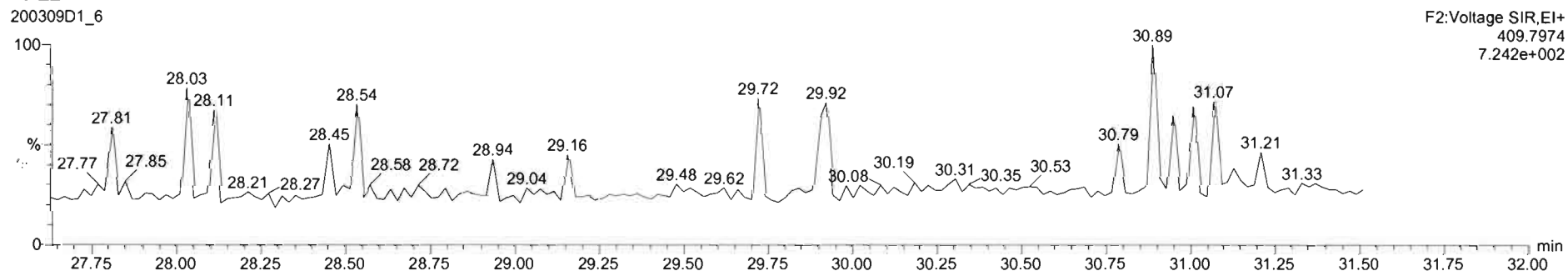
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13C-1,2,3,7,8-PeCDF



DPE2

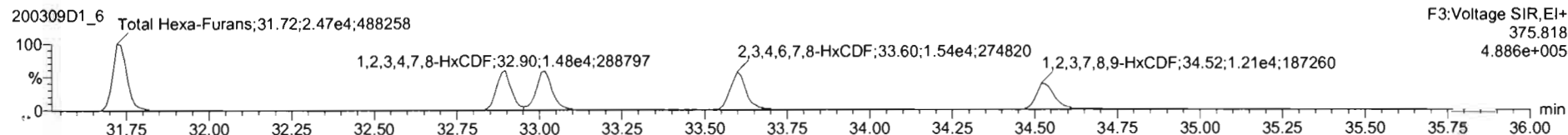
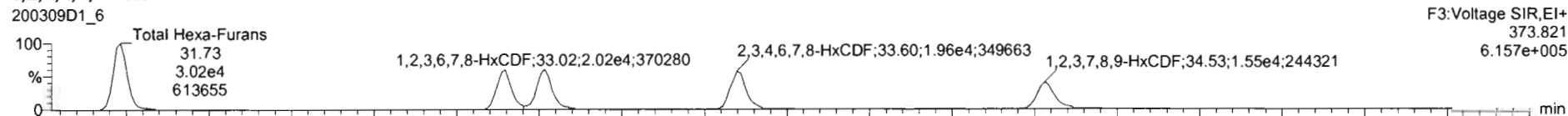


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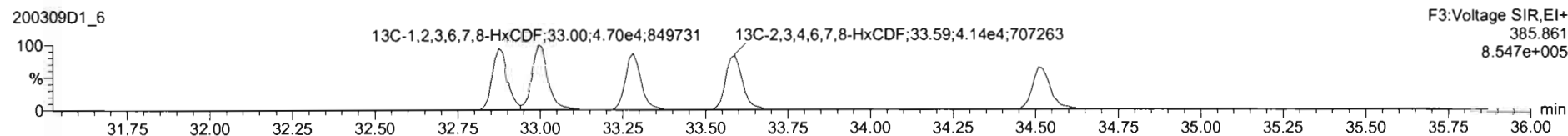
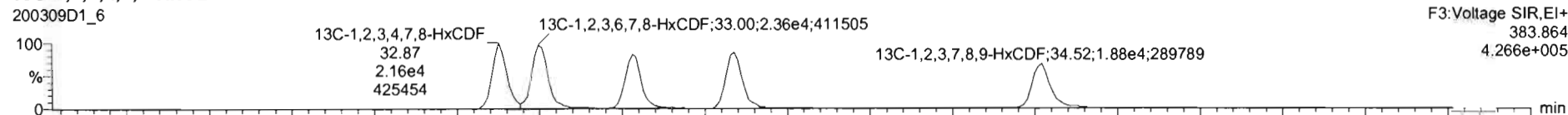
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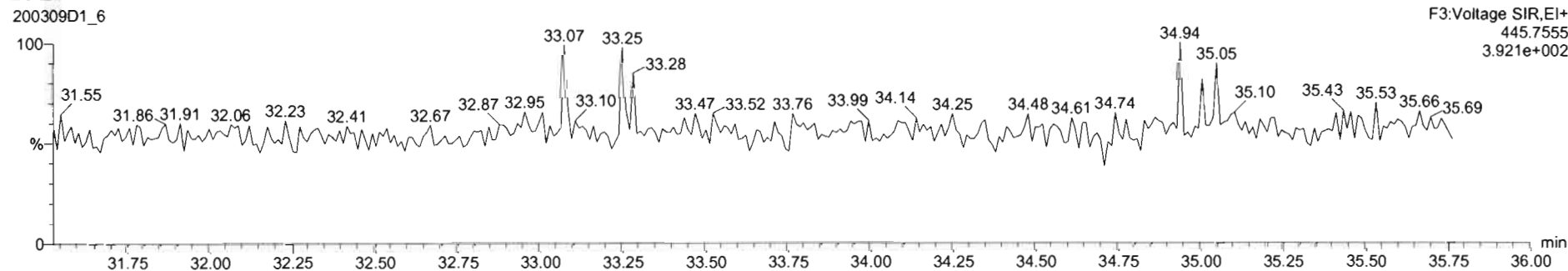
1,2,3,4,7,8-HxCDF



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



DPE3



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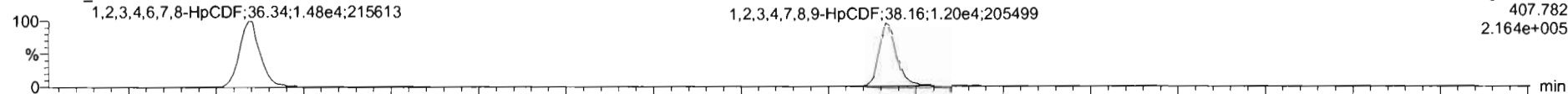
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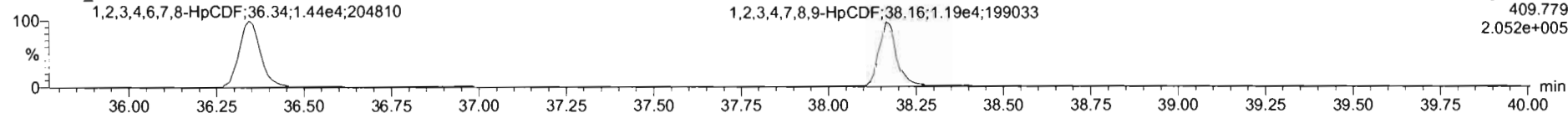
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1,2,3,4,6,7,8-HpCDF

200309D1_6

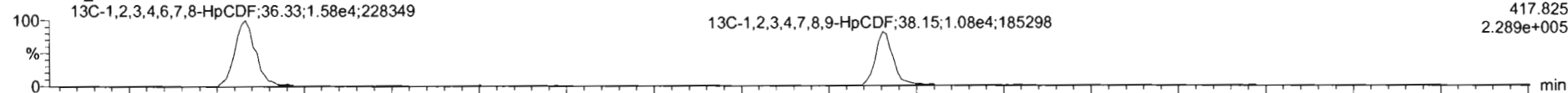


200309D1_6

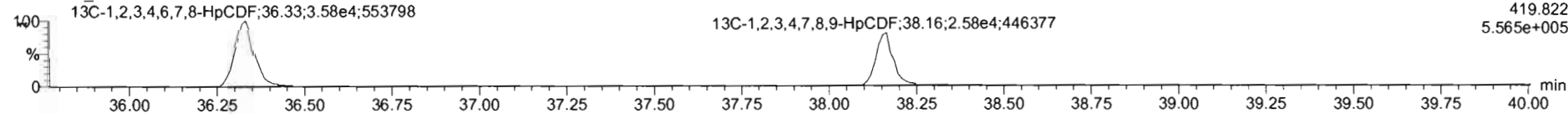


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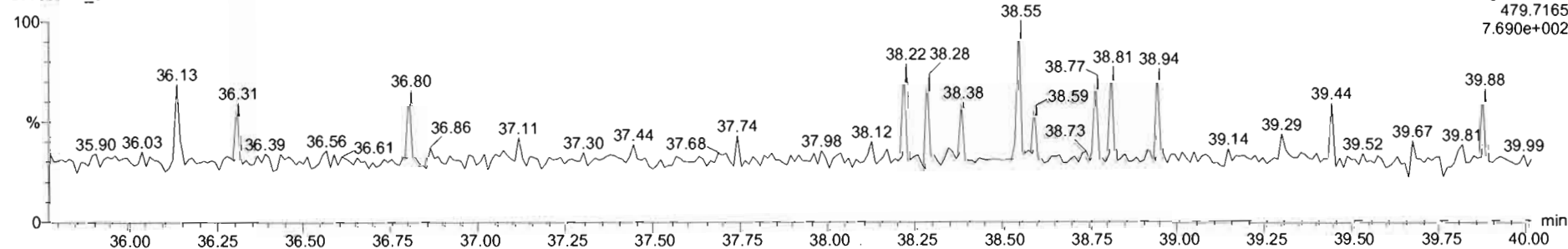


200309D1_6



DPE4

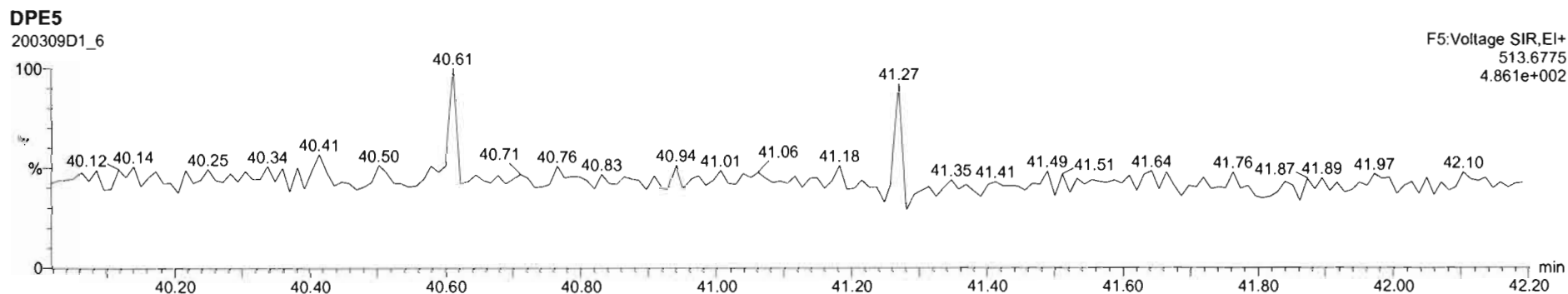
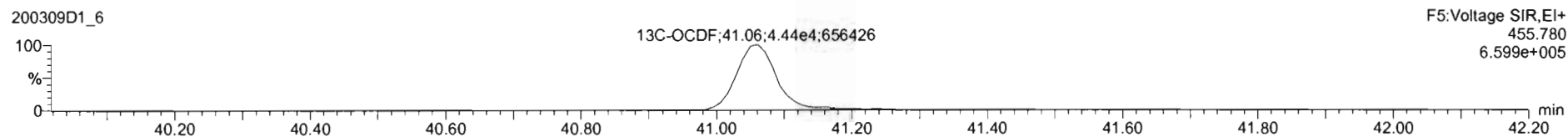
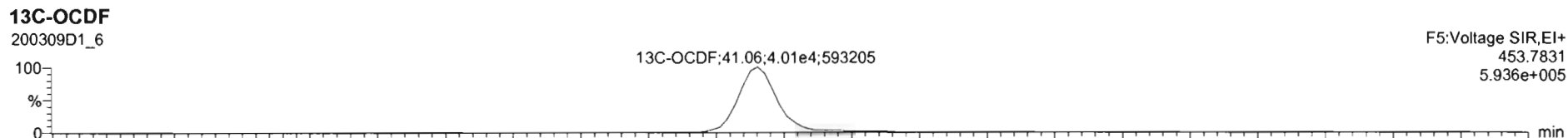
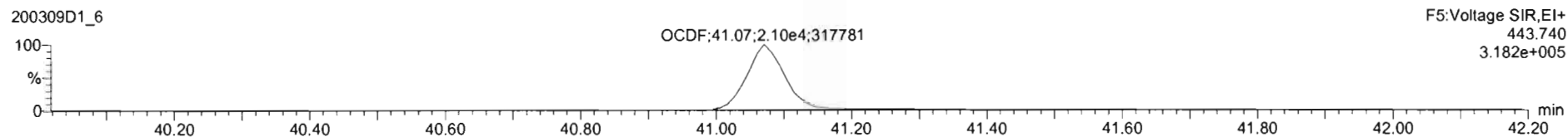
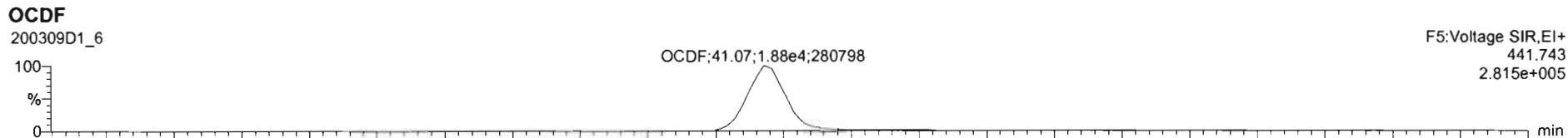
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



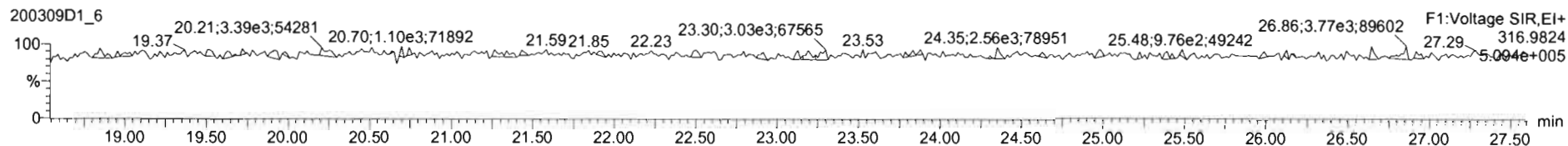
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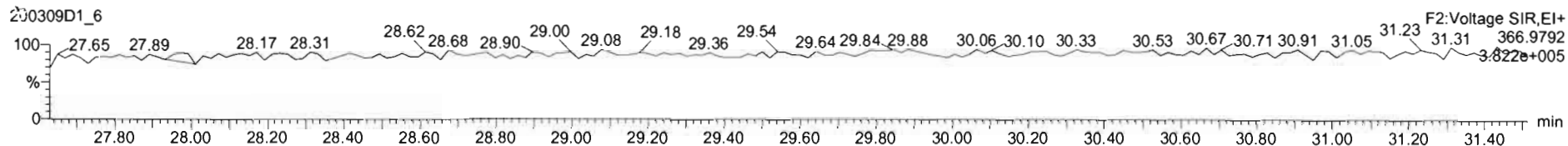
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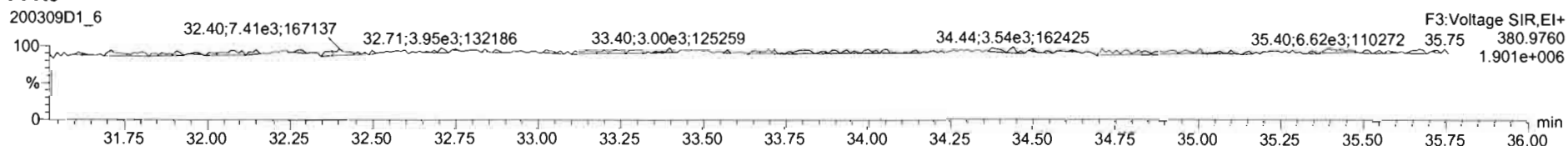
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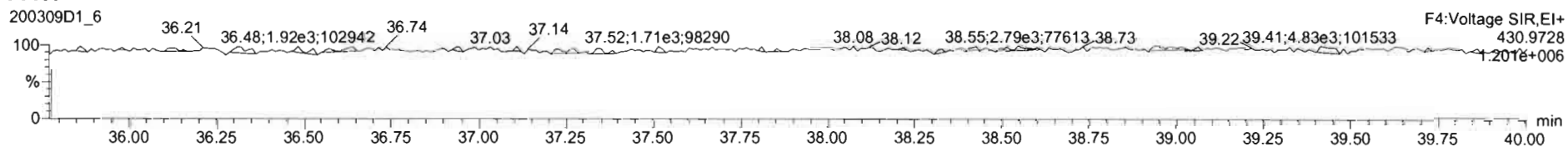
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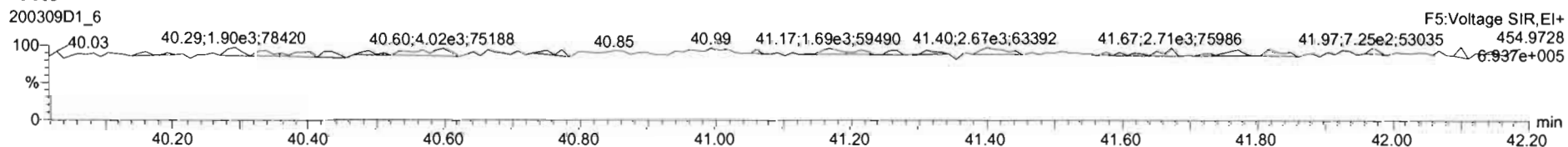
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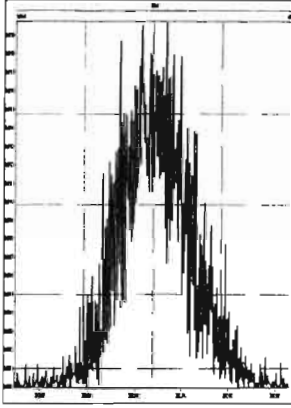


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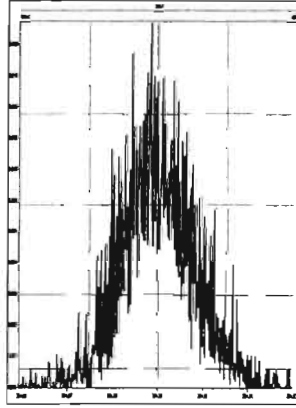


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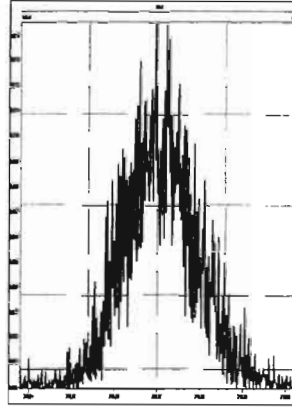
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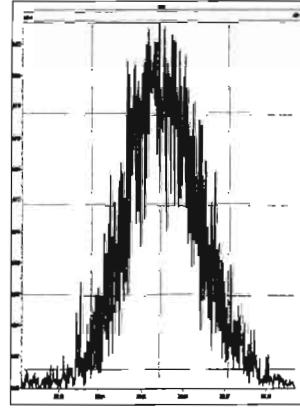
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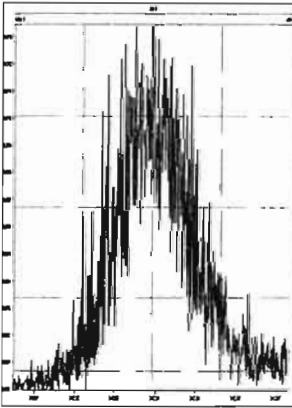
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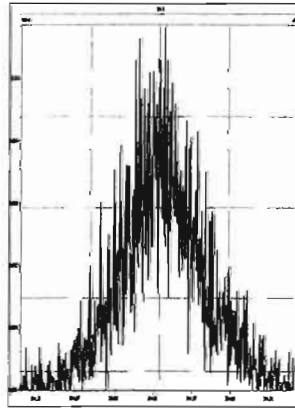
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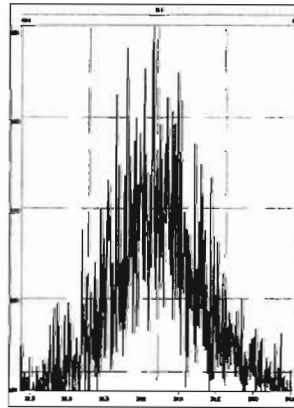
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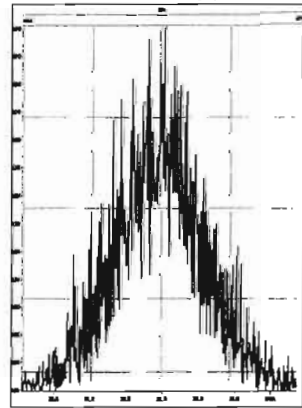
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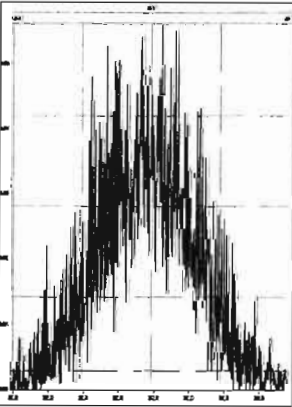
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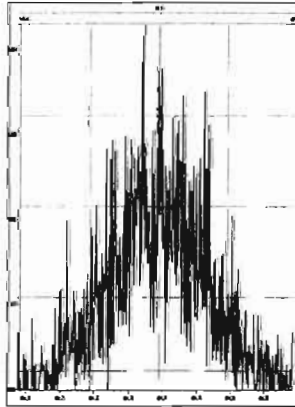
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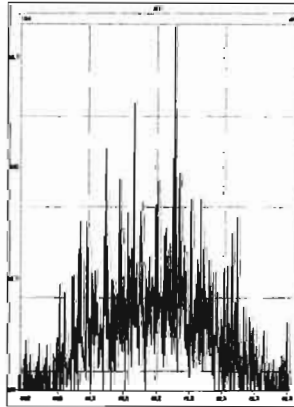
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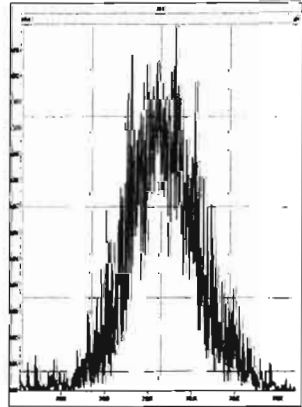
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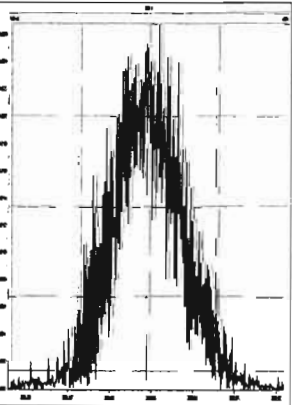
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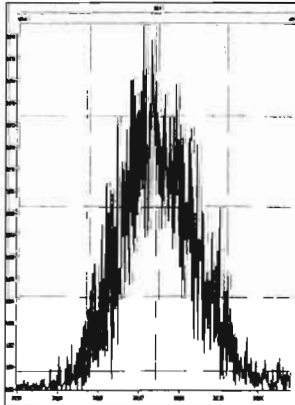
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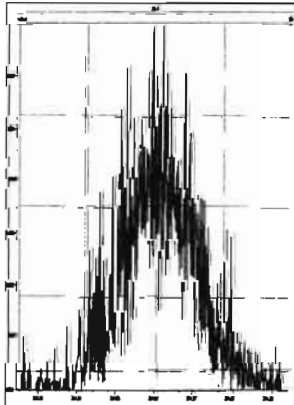
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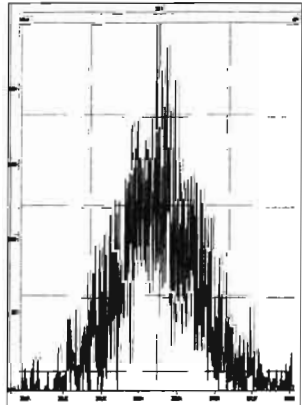
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M 354.9792 R 11375

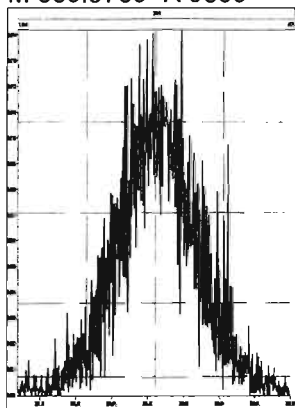


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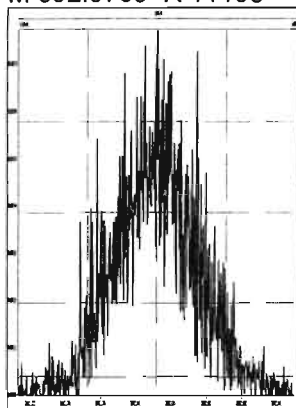


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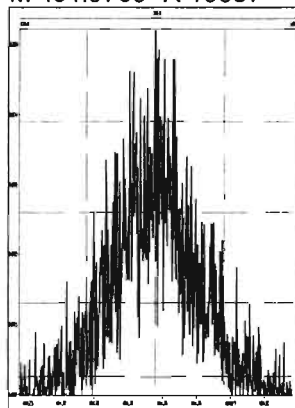
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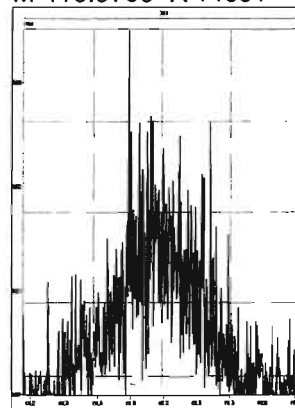
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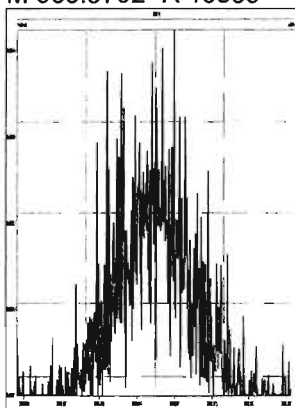
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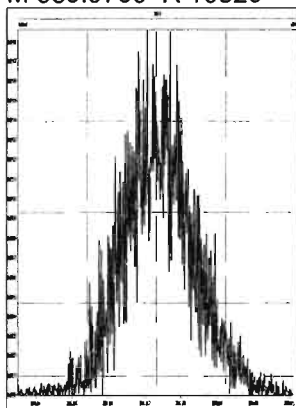
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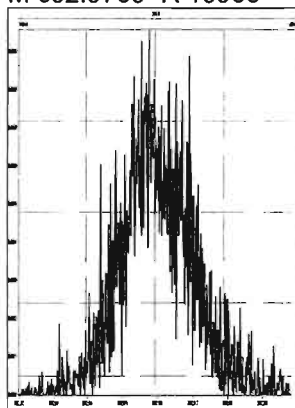
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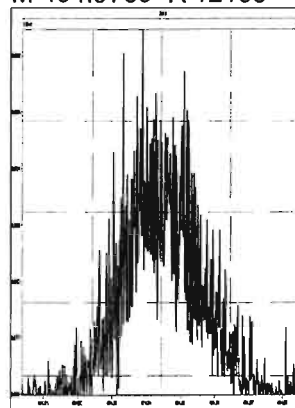
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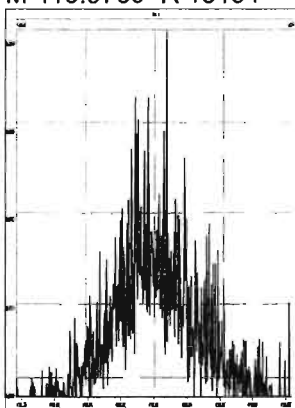
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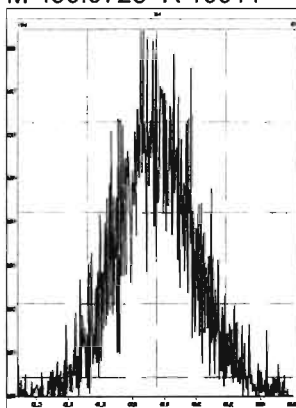
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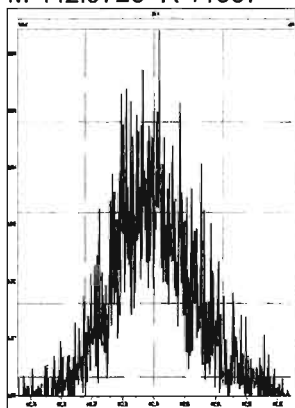
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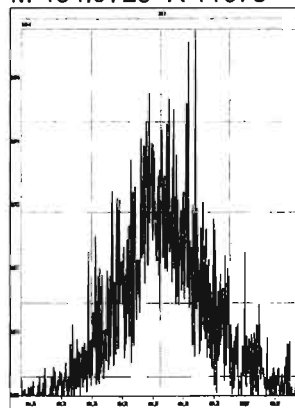
M 430.9728 R 10011



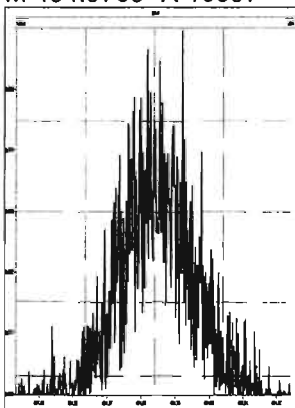
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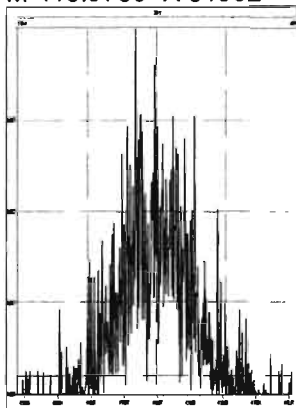
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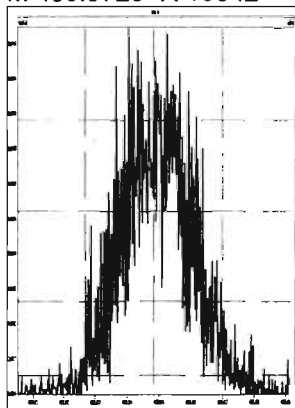
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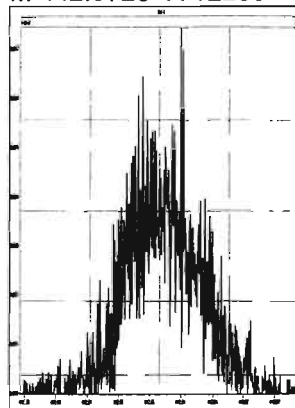
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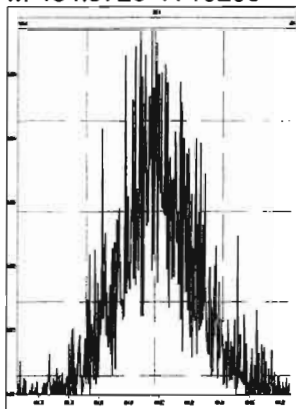


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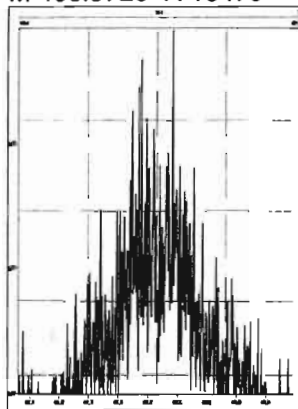


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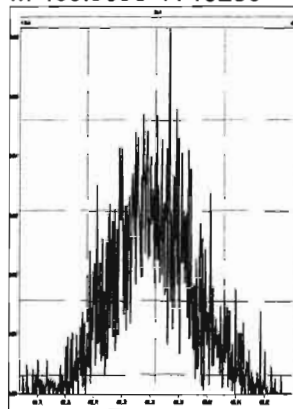
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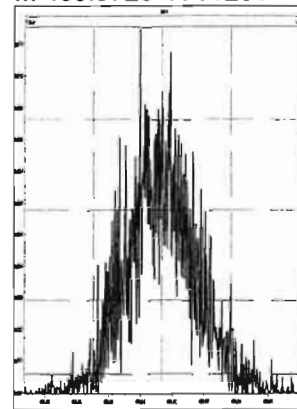
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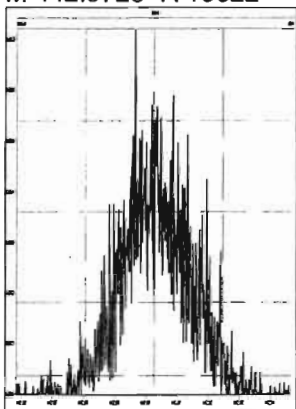
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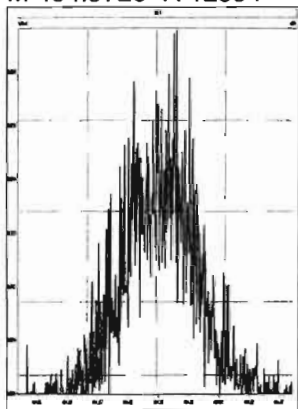
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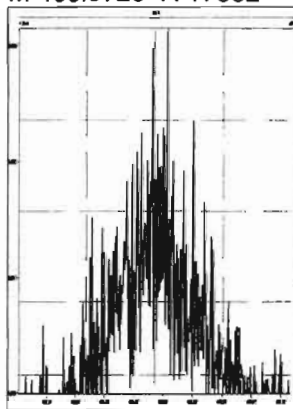
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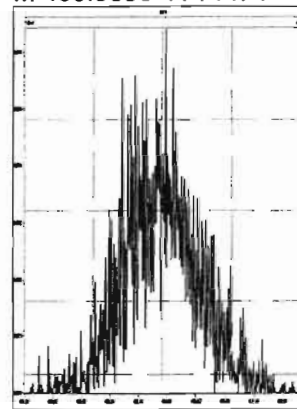
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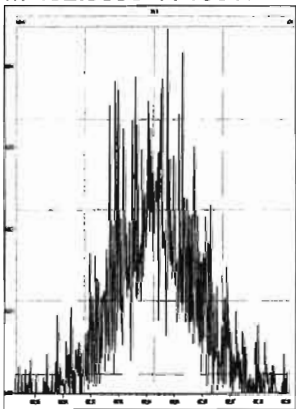
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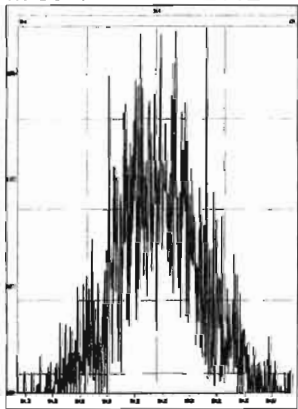
M 480.9696 R 14474



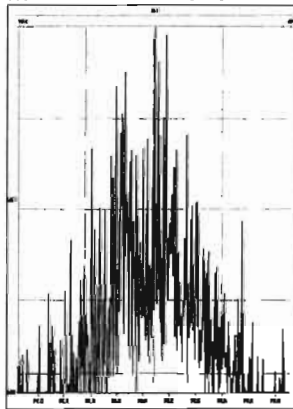
M 492.9696 R 13517



M 504.9696 R 12112



M 516.9697 R 31394



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 10:04:50 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 10:07:35 Pacific Daylight Time

DB 3/10/20 *07 03/10/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 09 Mar 2020 11:30:34
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 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	7.12e3	0.82	NO	0.987	1.000	25.913	25.90	1.001	1.001	10.343	103 <i>82-123</i>	0.180	10.3
2	2 1,2,3,7,8-PeCDD	3.03e4	0.61	NO	0.982	1.000	30.488	30.49	1.001	1.001	52.086	104 <i>78-130</i>	0.172	52.1
3	3 1,2,3,4,7,8-HxCDD	3.14e4	1.26	NO	1.17	1.000	33.762	33.77	1.000	1.001	53.633	107 <i>78-128</i>	0.277	53.6
4	4 1,2,3,6,7,8-HxCDD	3.40e4	1.25	NO	1.04	1.000	33.862	33.88	1.000	1.001	55.125	110 <i>78-128</i>	0.254	55.1
5	5 1,2,3,7,8,9-HxCDD	3.12e4	1.27	NO	1.00	1.000	34.192	34.17	1.001	1.000	55.125	110 <i>82-122</i>	0.269	55.1
6	6 1,2,3,4,6,7,8-HpCDD	2.60e4	1.06	NO	0.992	1.000	37.648	37.66	1.000	1.001	53.690	107 <i>86-116</i>	0.367	53.7
7	7 OCDD	4.37e4	0.89	NO	1.04	1.000	40.852	40.86	1.000	1.000	108.89	109 <i>79-126</i>	0.547	109
8	8 2,3,7,8-TCDF	1.03e4	0.76	NO	0.882	1.000	25.097	25.09	1.001	1.001	10.684	107 <i>86-116</i>	0.118	10.7
9	9 1,2,3,7,8-PeCDF	5.27e4	1.60	NO	1.05	1.000	29.300	29.30	1.001	1.001	51.536	103 <i>82-120</i>	0.197	51.5
10	10 2,3,4,7,8-PeCDF	5.98e4	1.60	NO	1.06	1.000	30.215	30.21	1.001	1.001	59.682	119 <i>82-120</i>	0.200	59.7
11	11 1,2,3,4,7,8-HxCDF	4.52e4	1.25	NO	1.08	1.000	32.885	32.90	1.000	1.000	53.095	106 <i>90-112</i>	0.250	53.1
12	12 1,2,3,6,7,8-HxCDF	4.79e4	1.28	NO	1.04	1.000	33.016	33.02	1.000	1.000	55.556	111 <i>88-114</i>	0.272	55.6
13	13 2,3,4,6,7,8-HxCDF	4.39e4	1.23	NO	1.11	1.000	33.622	33.61	1.001	1.001	51.071	102 <i>88-114</i>	0.265	51.1
14	14 1,2,3,7,8,9-HxCDF	3.57e4	1.26	NO	1.06	1.000	34.531	34.54	1.000	1.000	53.112	106 <i>90-112</i>	0.388	53.1
15	15 1,2,3,4,6,7,8-HpCDF	3.92e4	1.06	NO	1.13	1.000	36.378	36.35	1.001	1.000	54.829	110 <i>90-110</i>	0.369	54.8
16	16 1,2,3,4,7,8,9-HpCDF	3.06e4	1.04	NO	1.33	1.000	38.164	38.17	1.000	1.000	53.195	106 <i>86-116</i>	0.361	53.2
17	17 OCDF	4.98e4	0.88	NO	0.933	1.000	41.061	41.08	1.000	1.001	106.20	106 <i>63759</i>	0.530	106
18	18 13C-2,3,7,8-TCDD	6.98e4	0.77	NO	1.21	1.000	25.959	25.88	1.026	1.023	88.582	88.6 <i>82-121</i>	0.809	
19	19 13C-1,2,3,7,8-PeCDD	5.93e4	0.64	NO	0.996	1.000	30.412	30.47	1.202	1.204	91.239	91.2 <i>62-160</i>	0.394	
20	20 13C-1,2,3,4,7,8-HxCDD	4.99e4	1.29	NO	0.679	1.000	33.746	33.75	1.014	1.014	92.345	92.3 <i>85-117</i>	0.538	
21	21 13C-1,2,3,6,7,8-HxCDD	5.95e4	1.31	NO	0.850	1.000	33.856	33.86	1.017	1.017	87.951	88.0 <i>85-118</i>	0.430	
22	22 13C-1,2,3,7,8,9-HxCDD	5.65e4	1.24	NO	0.798	1.000	34.125	34.16	1.025	1.026	88.796	88.8 <i>85-118</i>	0.457	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.89e4	1.05	NO	0.697	1.000	37.573	37.64	1.129	1.131	88.088	88.1 <i>72-138</i>	0.645	
24	24 13C-OCDD	7.76e4	0.90	NO	0.579	1.000	40.582	40.85	1.219	1.228	168.23	84.1 <i>48-207</i>	1.07	
25	25 13C-2,3,7,8-TCDF	1.09e5	0.77	NO	1.13	1.000	25.048	25.07	0.990	0.991	91.711	91.7 <i>71-140</i>	0.730	
26	26 13C-1,2,3,7,8-PeCDF	9.78e4	1.64	NO	0.996	1.000	29.240	29.28	1.156	1.157	93.246	93.2 <i>76-130</i>	0.529	
27	27 13C-2,3,4,7,8-PeCDF	9.45e4	1.60	NO	0.969	1.000	30.133	30.18	1.191	1.193	92.595	92.6 <i>77-130</i>	0.544	
28	28 13C-1,2,3,4,7,8-HxCDF	7.87e4	0.50	NO	1.06	1.000	32.881	32.88	0.988	0.988	93.385	93.4 <i>76-131</i>	0.584	
29	29 13C-1,2,3,6,7,8-HxCDF	8.27e4	0.50	NO	1.18	1.000	33.014	33.01	0.992	0.992	88.358	88.4 <i>70-143</i>	0.526	
30	30 13C-2,3,4,6,7,8-HxCDF	7.74e4	0.51	NO	1.06	1.000	33.583	33.59	1.009	1.009	91.900	91.9 <i>73-137</i>	0.585	
31	31 13C-1,2,3,7,8,9-HxCDF	6.36e4	0.49	NO	0.879	1.000	34.478	34.53	1.036	1.038	90.868	90.9 <i>74-135</i>	0.703	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 10:04:50 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 10:07:35 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 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	6.34e4	0.43	NO	0.893	1.000	36.175	36.34	1.087	1.092	89.122	89.1 <i>78-129</i>	0.614	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.31e4	0.43	NO	0.613	1.000	38.172	38.16	1.147	1.147	88.244	88.2 <i>77-129</i>	0.893	
34	34 13C-OCDF	1.01e5	0.86	NO	0.741	1.000	40.735	41.06	1.224	1.234	170.22	85.1 <i>48-207</i>	0.528	
35	35 37Cl-2,3,7,8-TCDD	7.09e3			1.18	1.000	25.956	25.90	1.026	1.024	9.2054	92.1 <i>79-127</i>	0.0703	
36	36 13C-1,2,3,4-TCDD	6.53e4	0.81	NO	1.00	1.000	25.440	25.30	1.000	1.000	100.00	100	0.977	
37	37 13C-1,2,3,4-TCDF	1.05e5	0.80	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.823	
38	38 13C-1,2,3,4,6,9-HxCDF	7.97e4	0.51	NO	1.00	1.000	33.260	33.28	1.000	1.000	100.00	100	0.618	

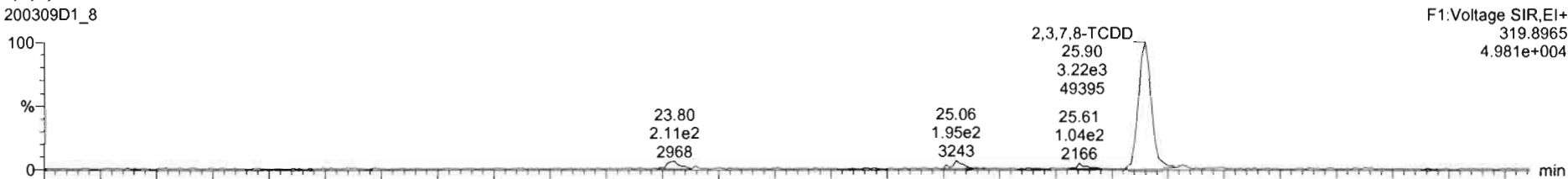
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Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

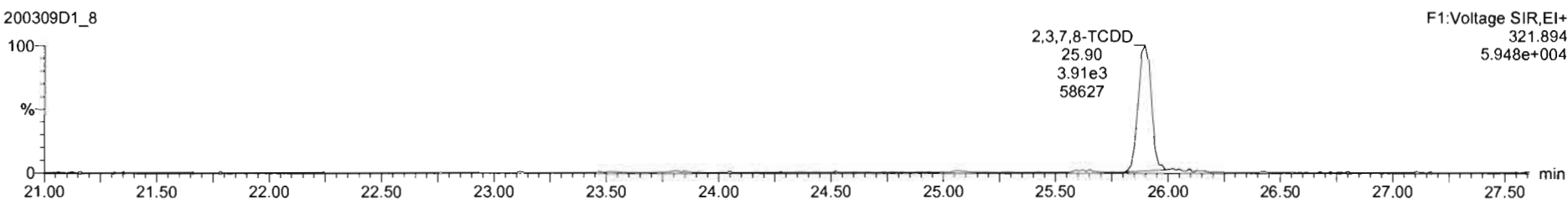
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

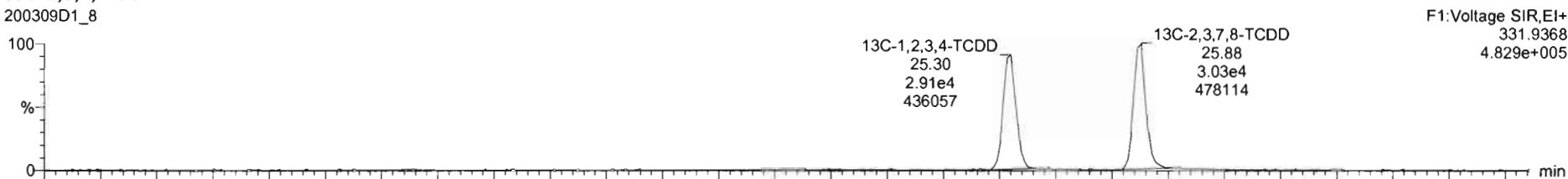
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200309D1_8



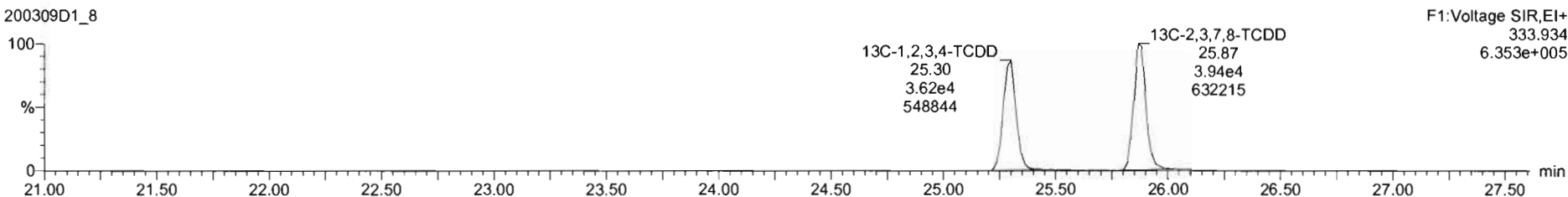
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13C-2,3,7,8-TCDD
200309D1_8



200309D1_8



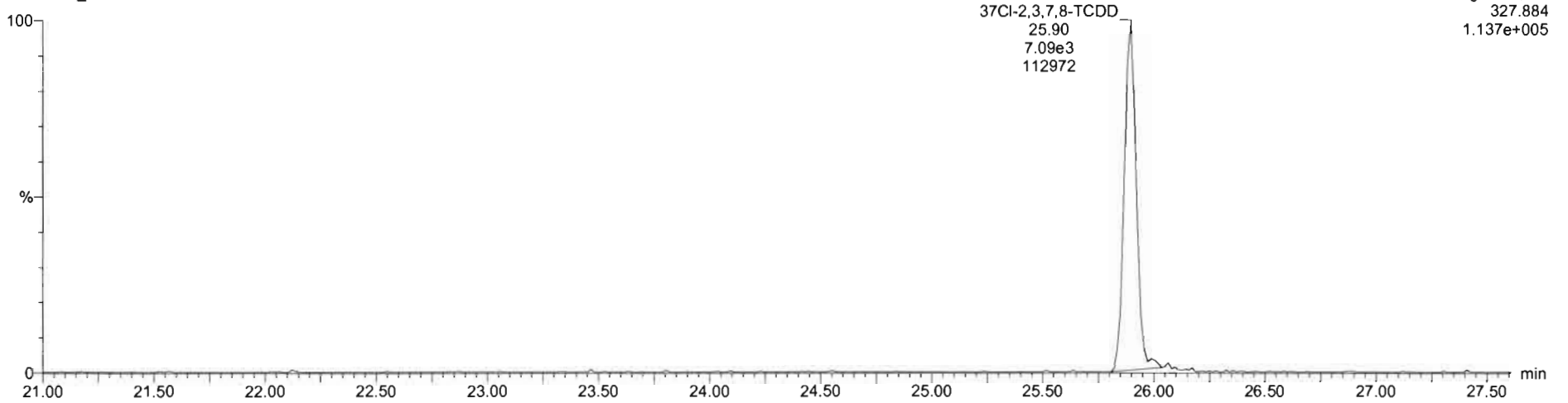
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Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

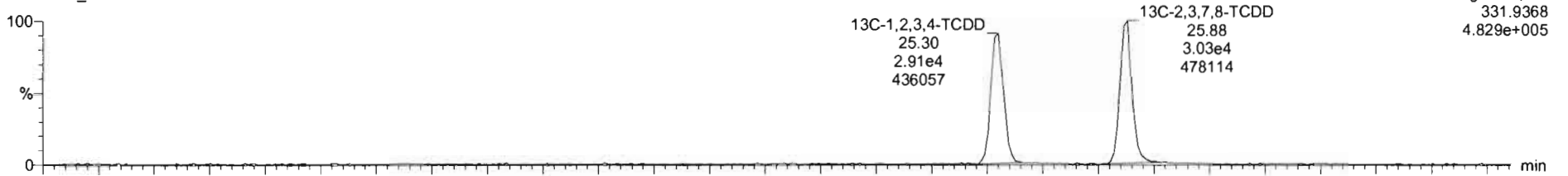
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200309D1_8

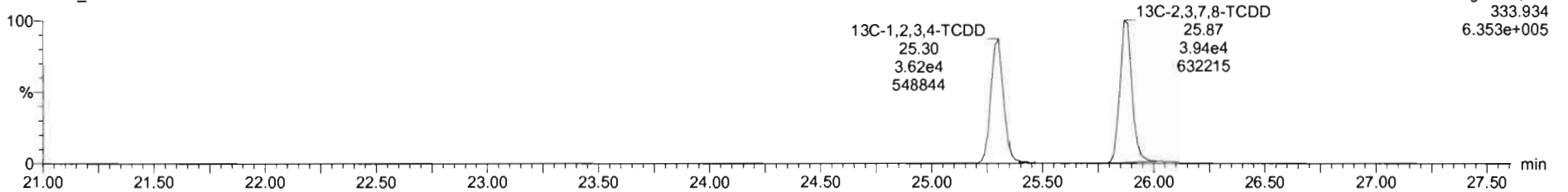


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200309D1_8



200309D1_8



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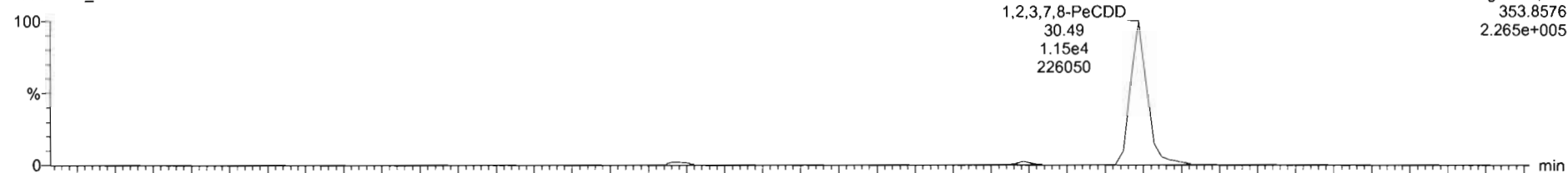
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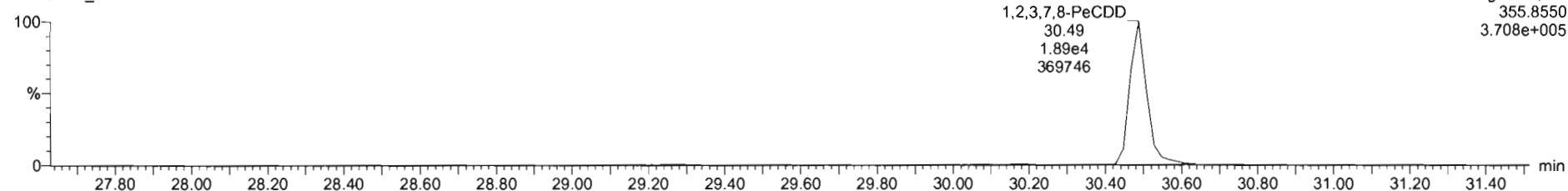
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1,2,3,7,8-PeCDD

200309D1_8

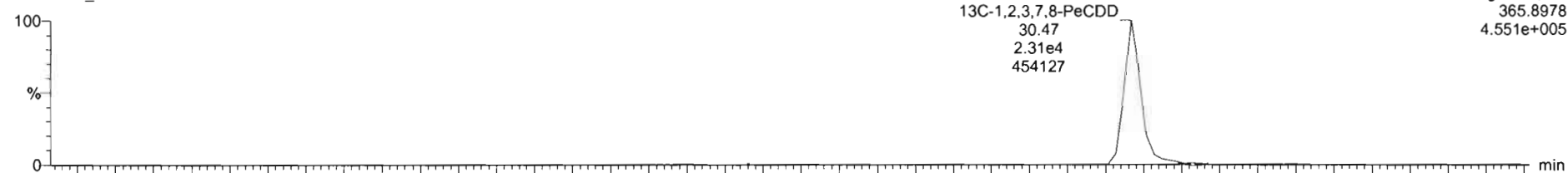


200309D1_8

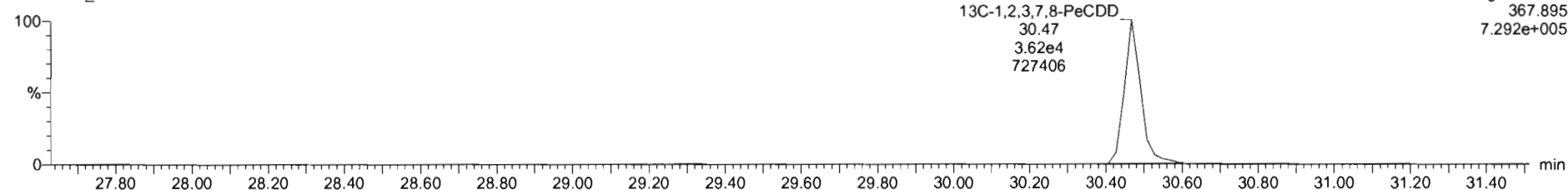


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200309D1_8



200309D1_8



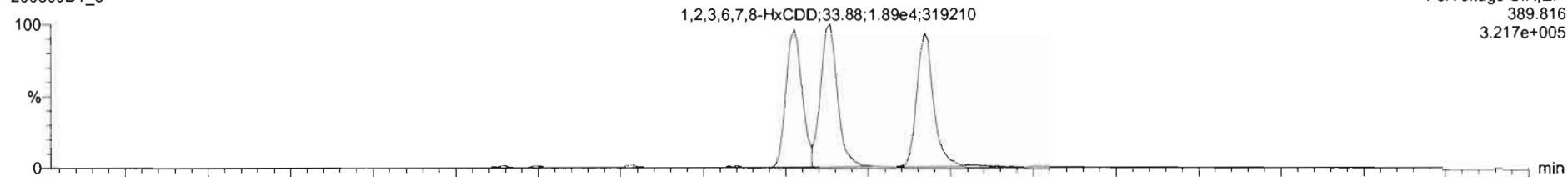
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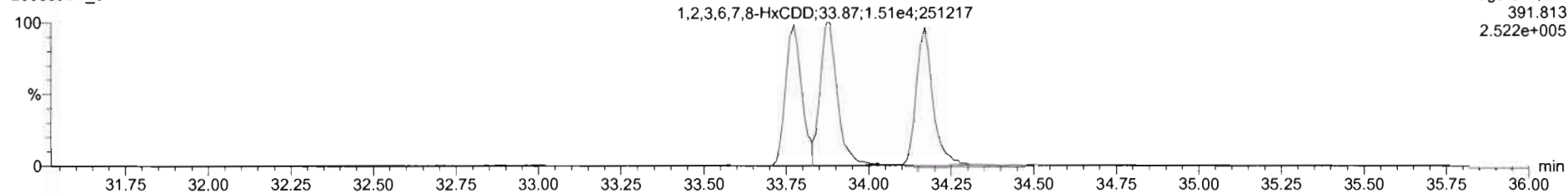
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1,2,3,4,7,8-HxCDD

200309D1_8

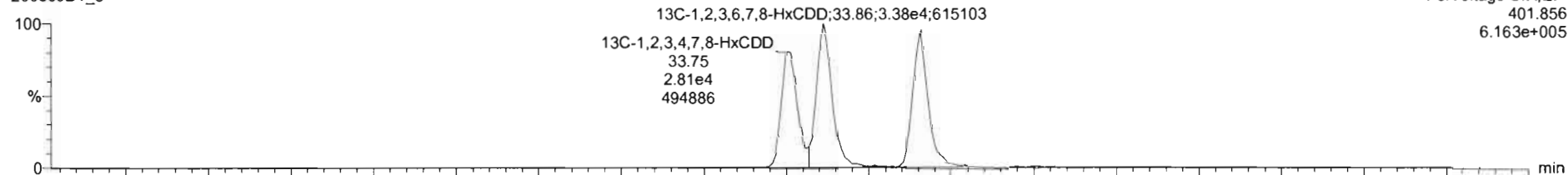


200309D1_8

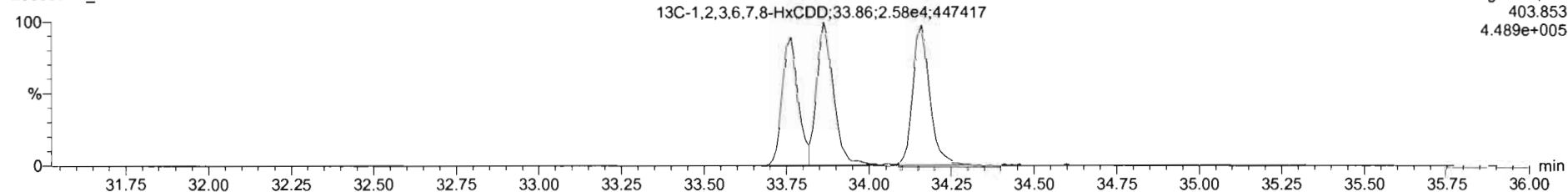


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200309D1_8



200309D1_8



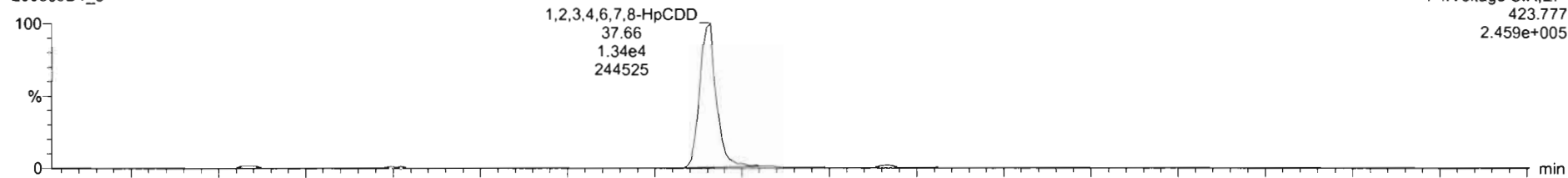
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

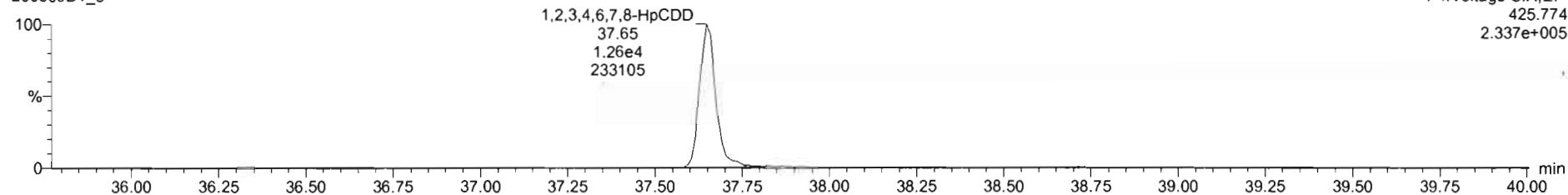
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1,2,3,4,6,7,8-HpCDD

200309D1_8

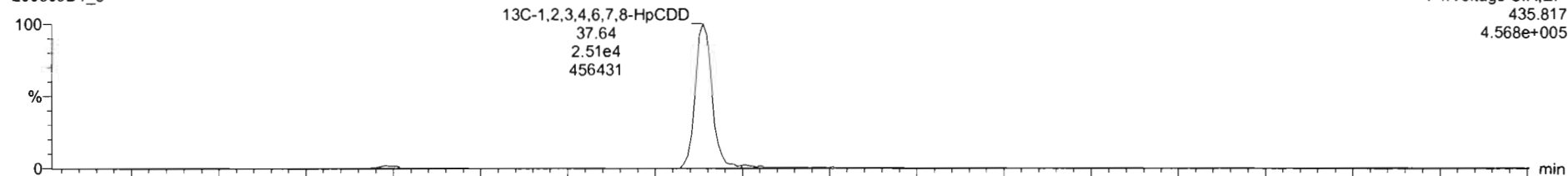


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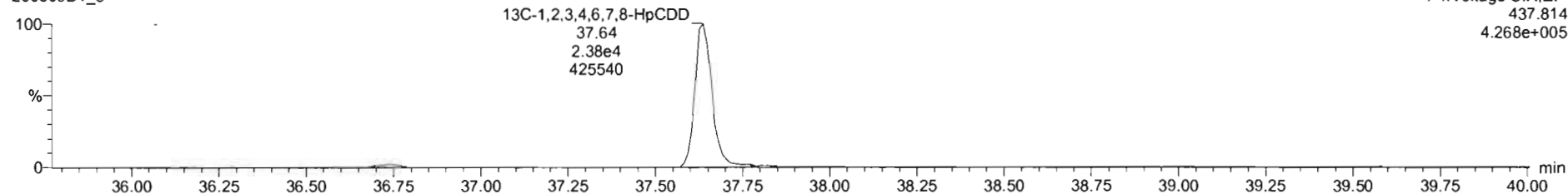


13C-1,2,3,4,6,7,8-HpCDD

200309D1_8



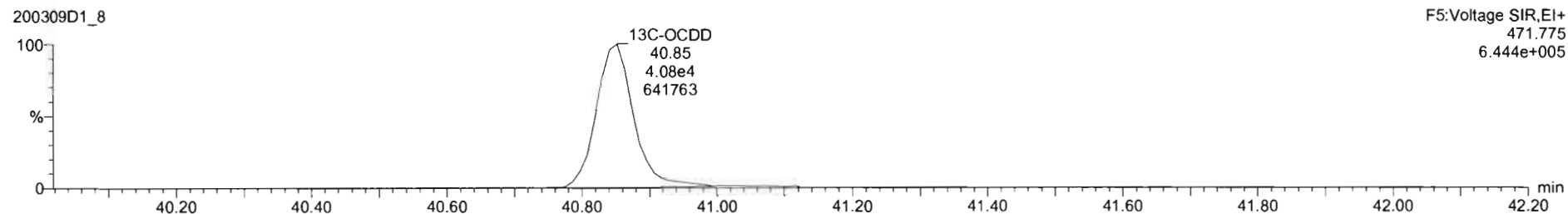
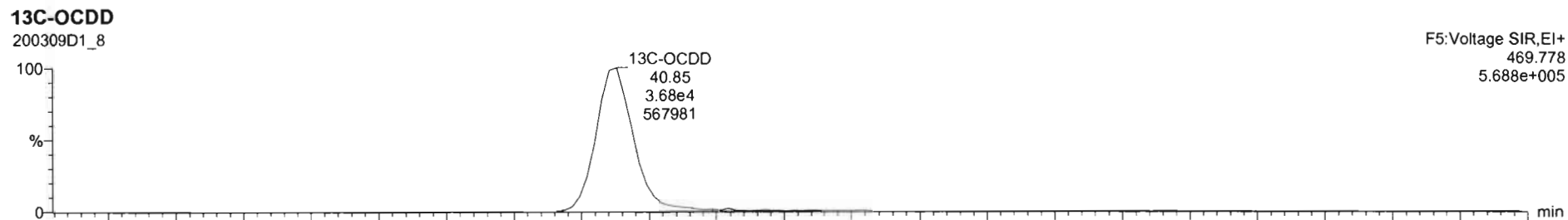
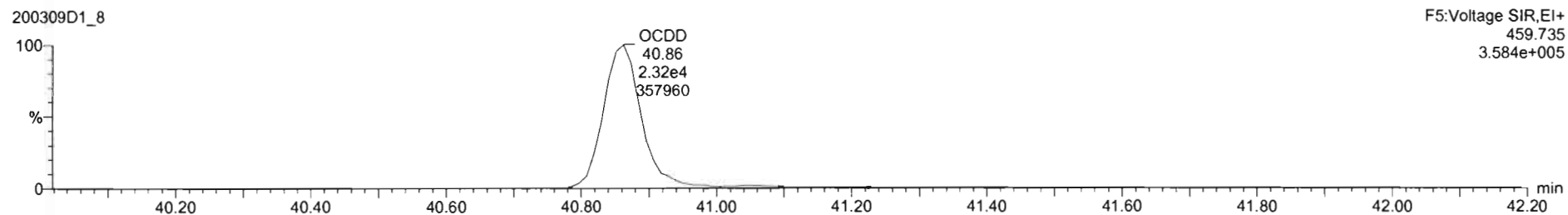
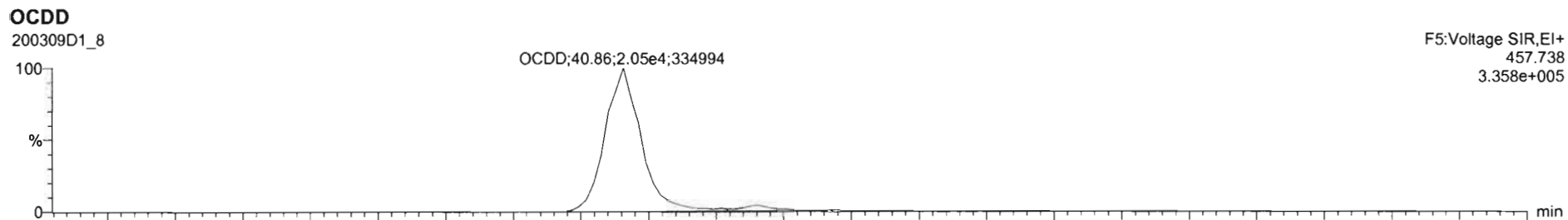
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Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



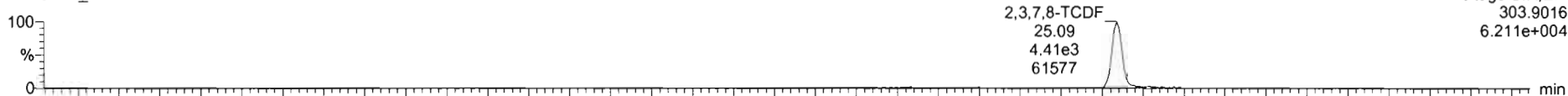
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

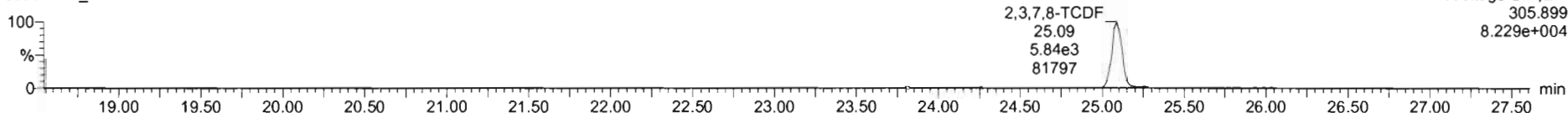
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2,3,7,8-TCDF

200309D1_8

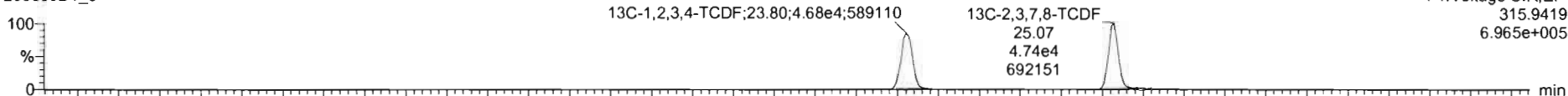


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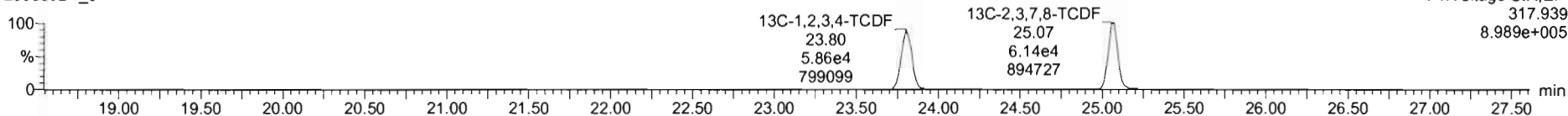


13C-2,3,7,8-TCDF

200309D1_8

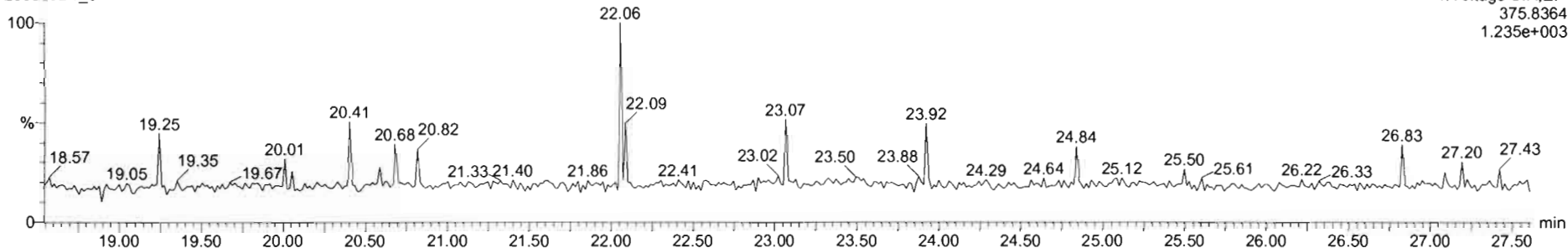


200309D1_8



DPE1

200309D1_8



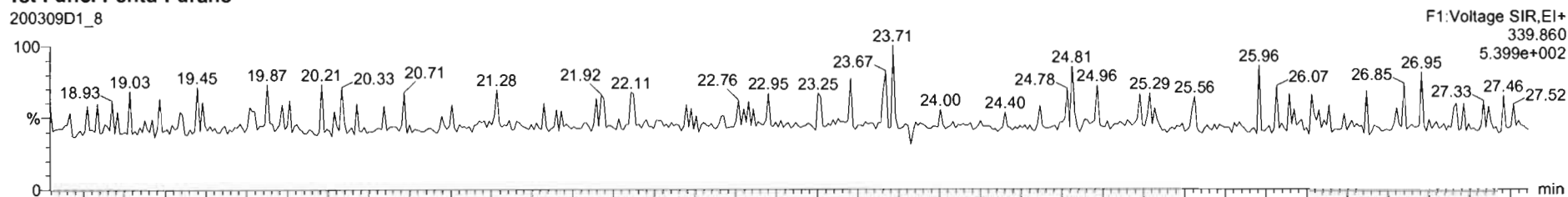
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

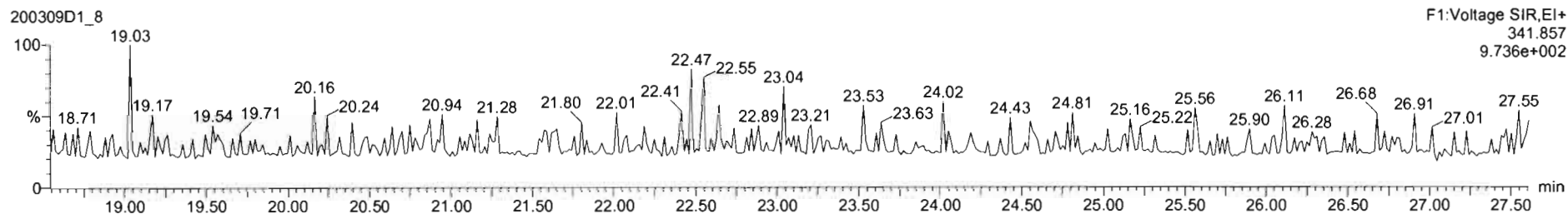
Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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200309D1_8

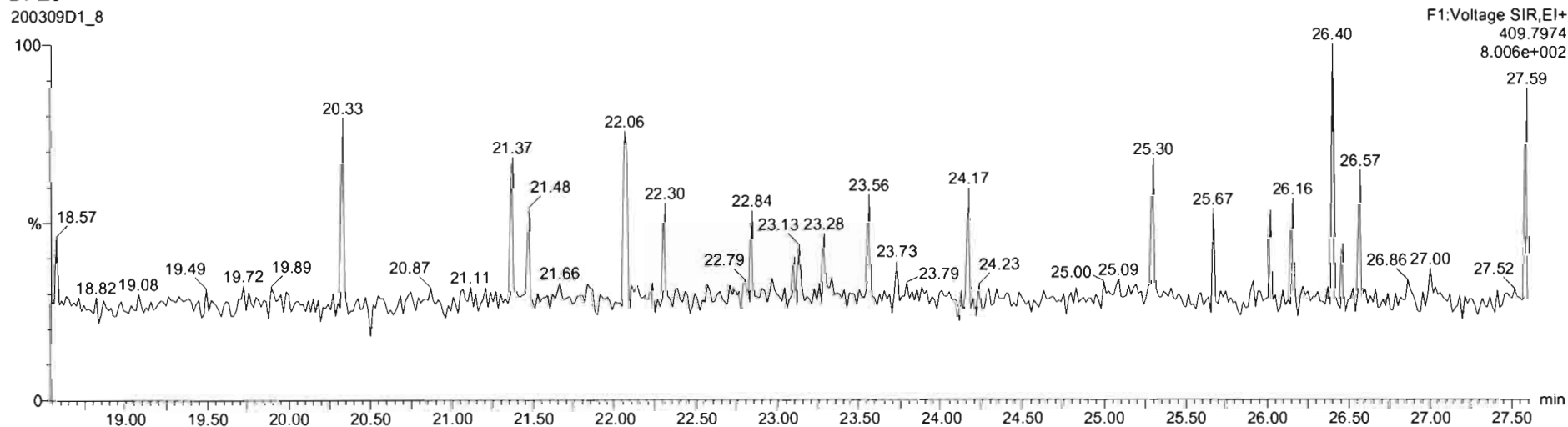


200309D1_8



DPE6

200309D1_8



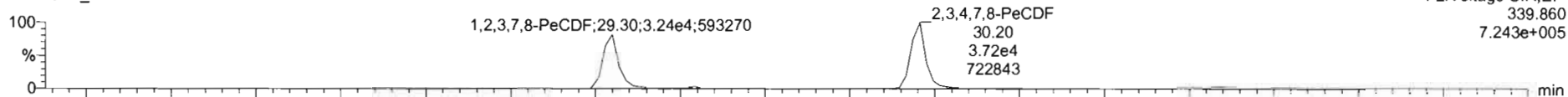
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Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

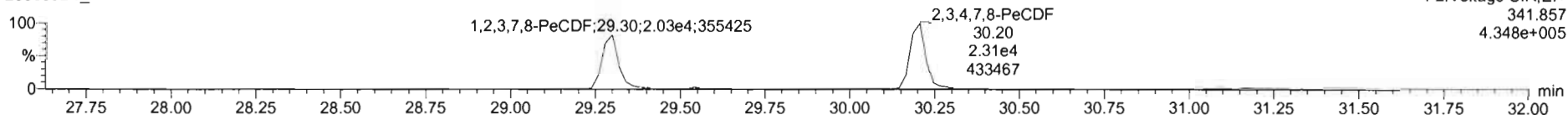
1,2,3,7,8-PeCDF

200309D1_8



F2:Voltage SIR,EI+
339.860
7.243e+005

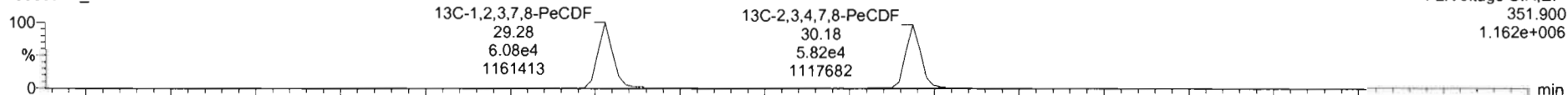
200309D1_8



F2:Voltage SIR,EI+
341.857
4.348e+005

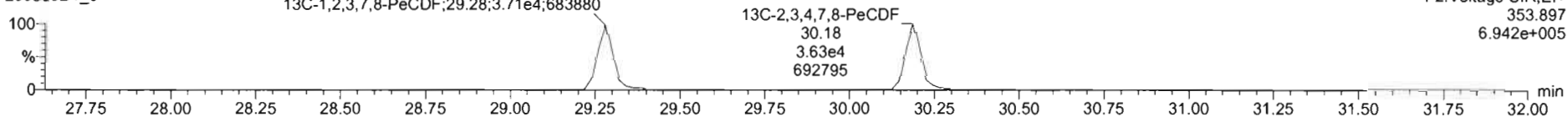
13C-1,2,3,7,8-PeCDF

200309D1_8



F2:Voltage SIR,EI+
351.900
1.162e+006

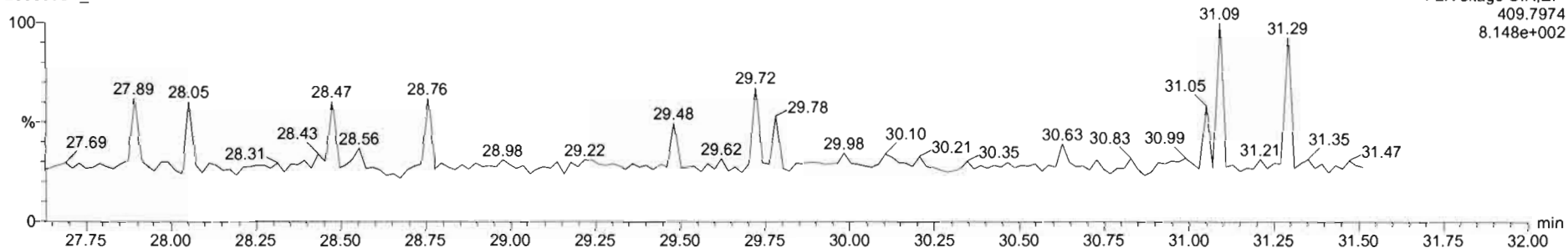
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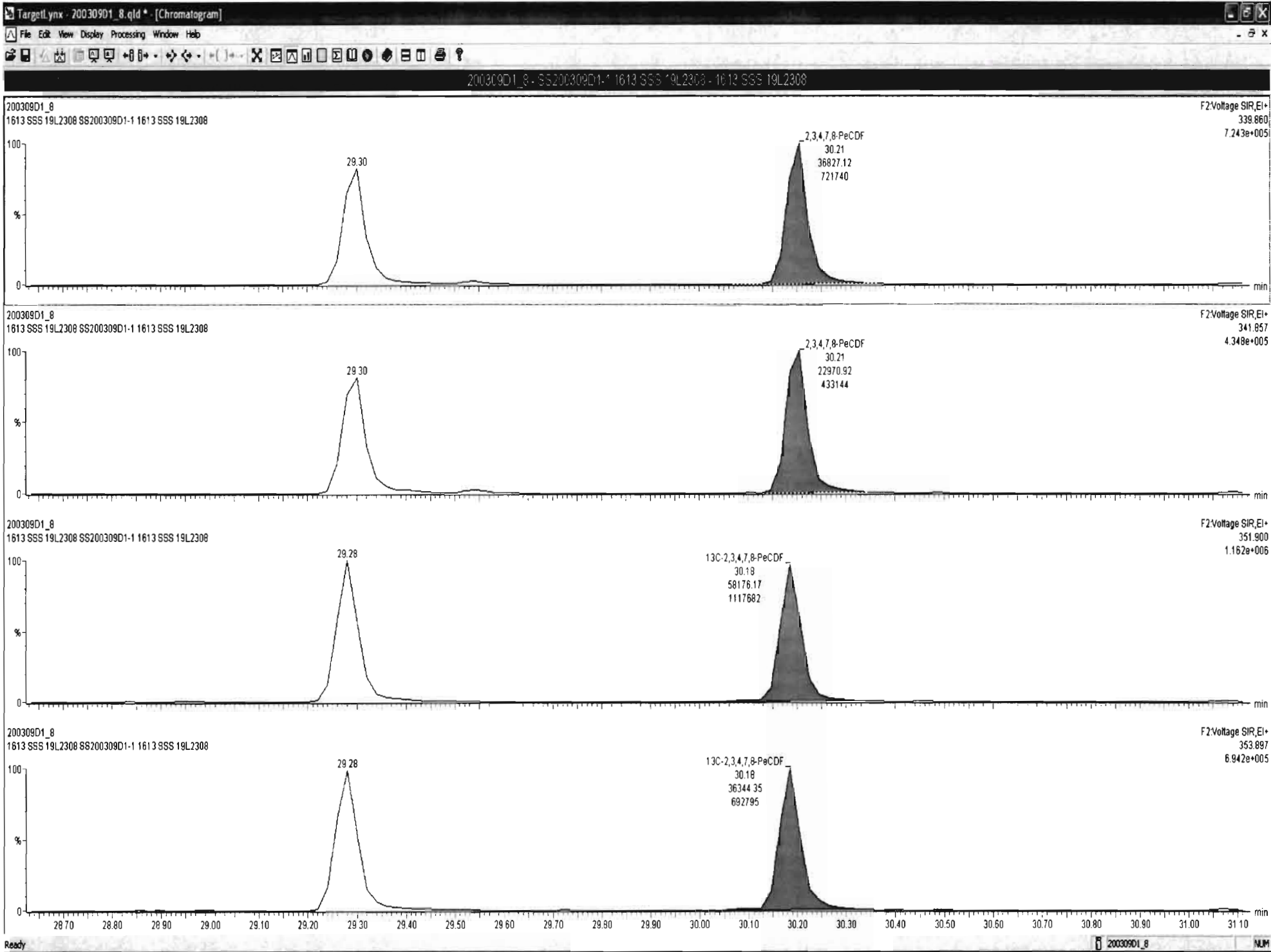
F2:Voltage SIR,EI+
353.897
6.942e+005

DPE2

200309D1_8



F2:Voltage SIR,EI+
409.7974
8.148e+002

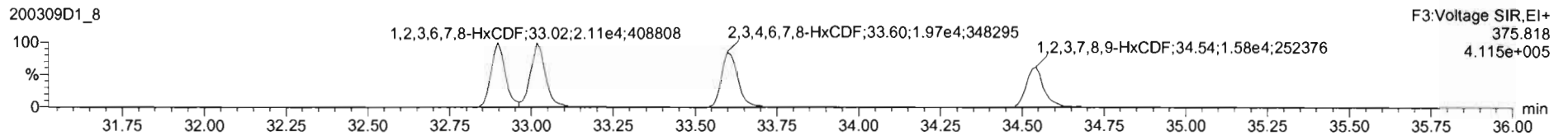
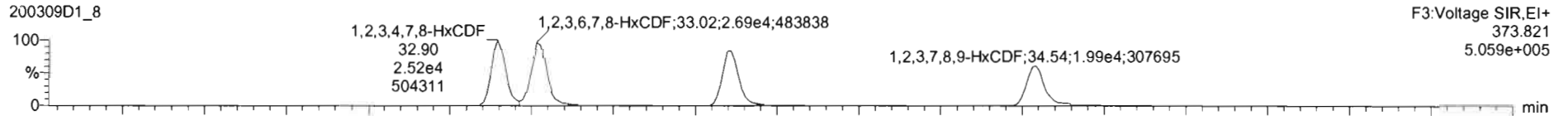


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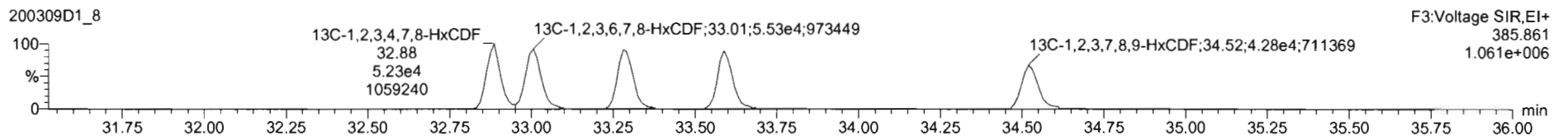
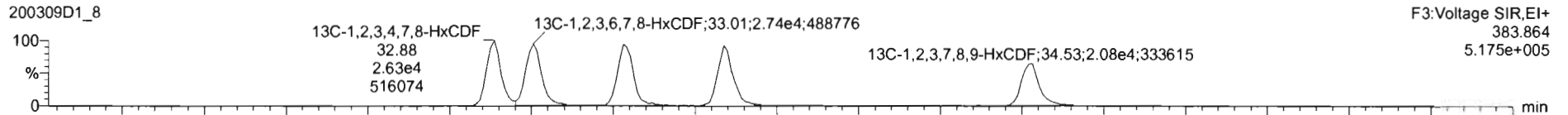
Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

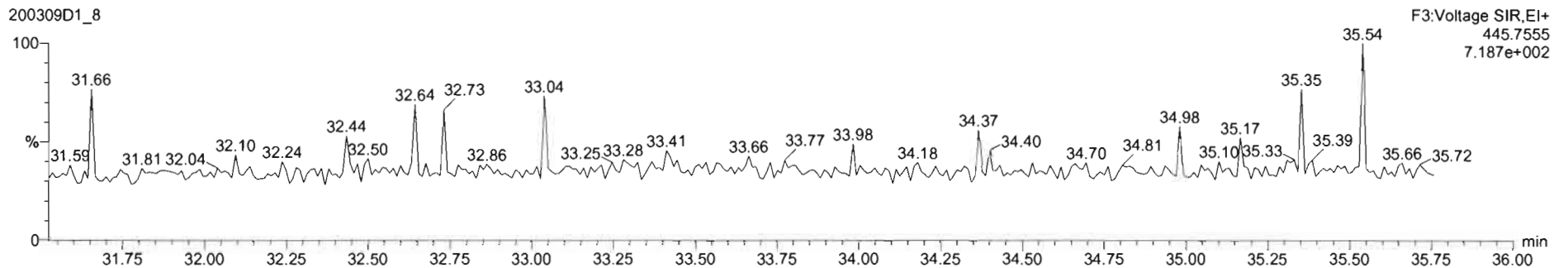
1,2,3,4,7,8-HxCDF



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



DPE3



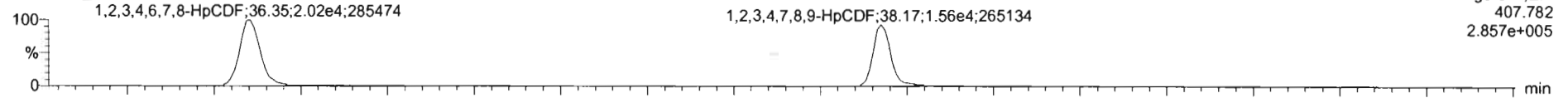
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

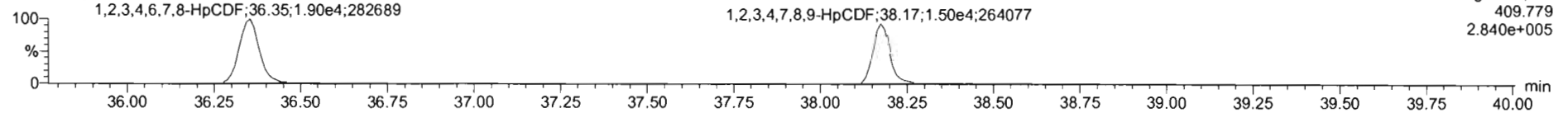
1,2,3,4,6,7,8-HpCDF

200309D1_8



F4:Voltage SIR,EI+
407.782
2.857e+005

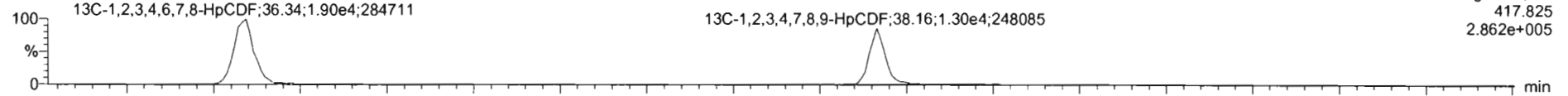
200309D1_8



F4:Voltage SIR,EI+
409.779
2.840e+005

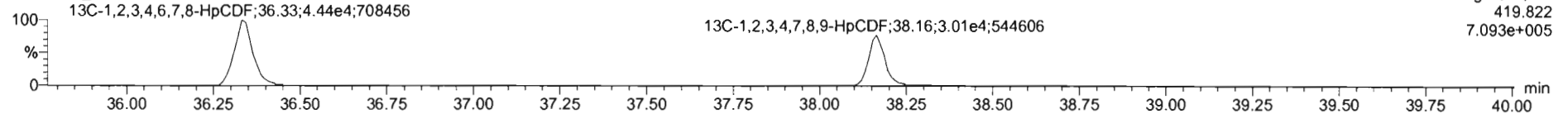
13C-1,2,3,4,6,7,8-HpCDF

200309D1_8



F4:Voltage SIR,EI+
417.825
2.862e+005

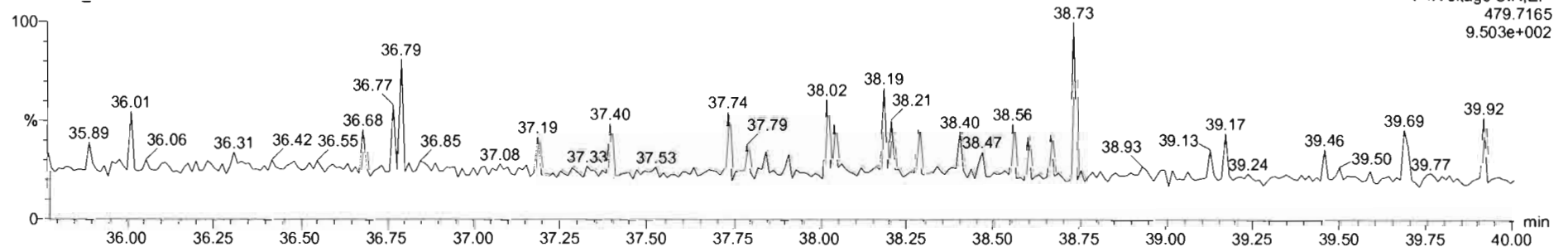
200309D1_8



F4:Voltage SIR,EI+
419.822
7.093e+005

DPE4

200309D1_8

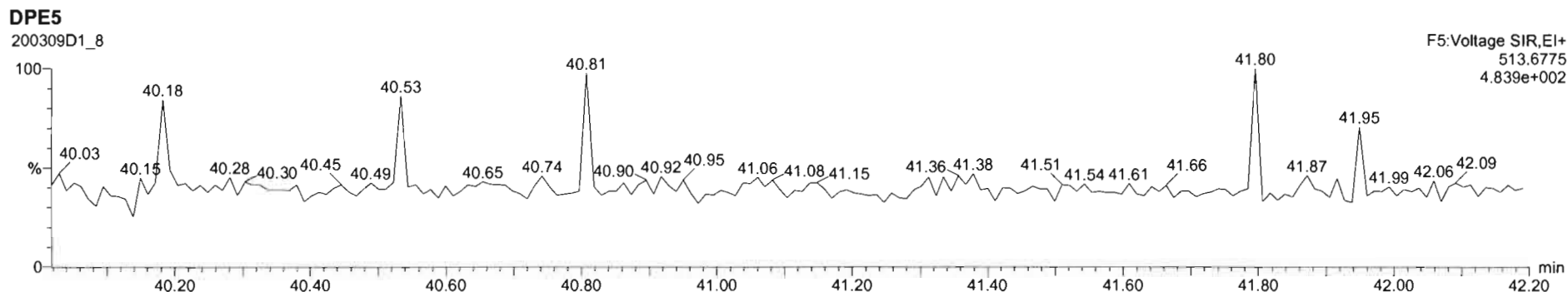
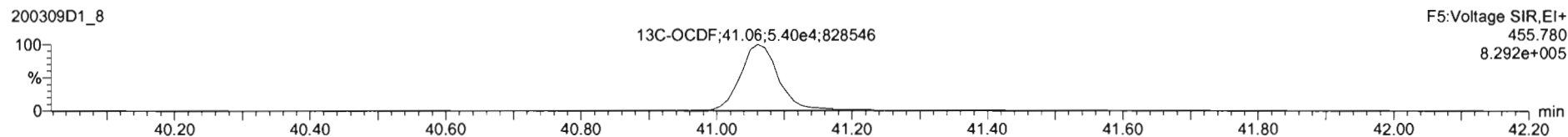
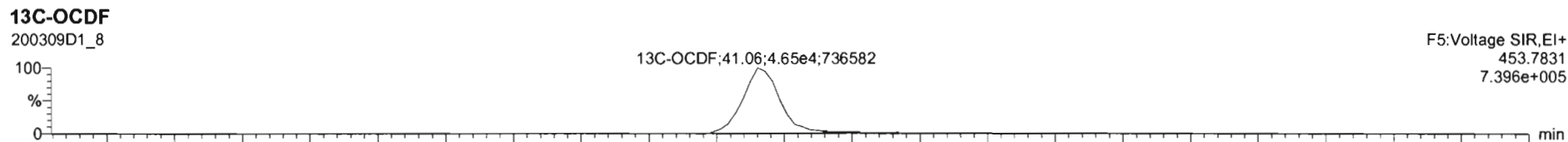
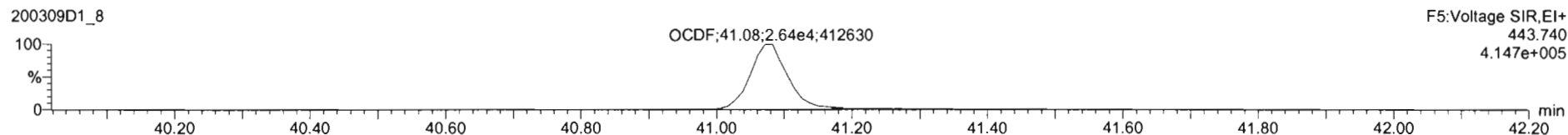
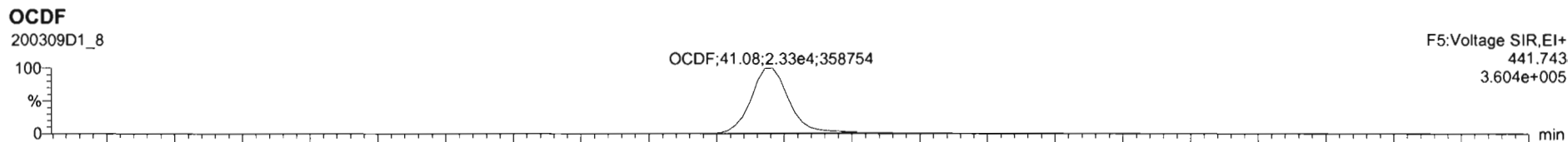


F4:Voltage SIR,EI+
479.7165
9.503e+002

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

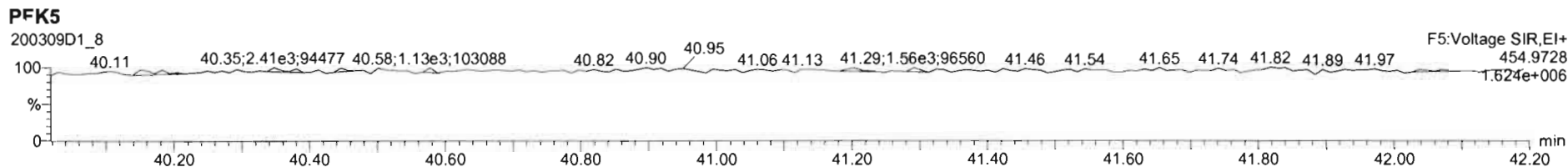
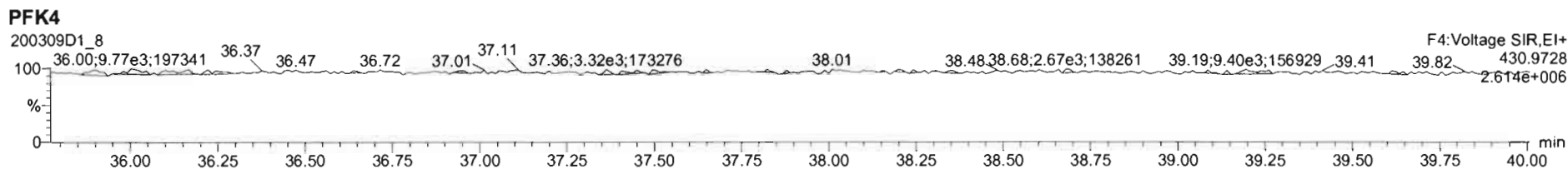
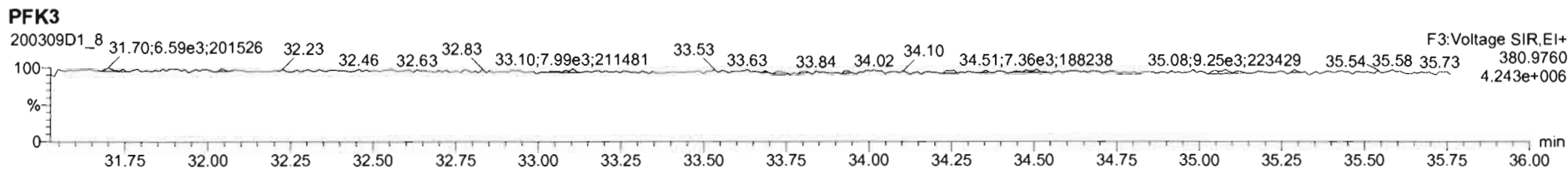
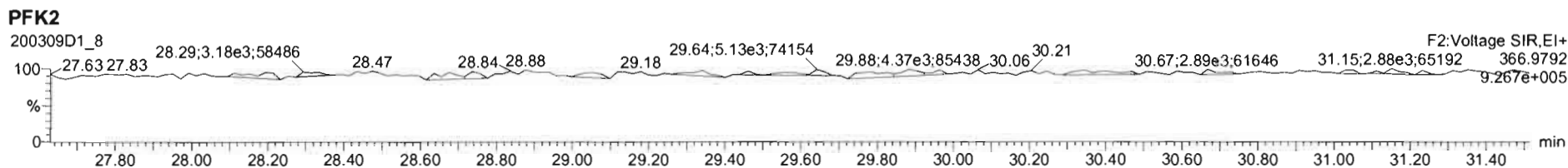
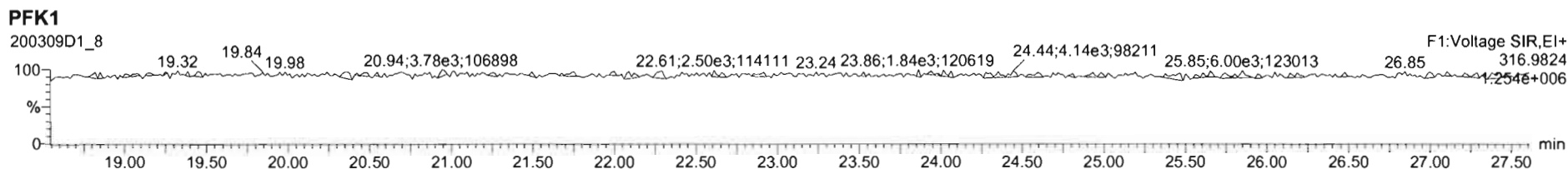
Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
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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

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
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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

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: 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

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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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

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	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

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

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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

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Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	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

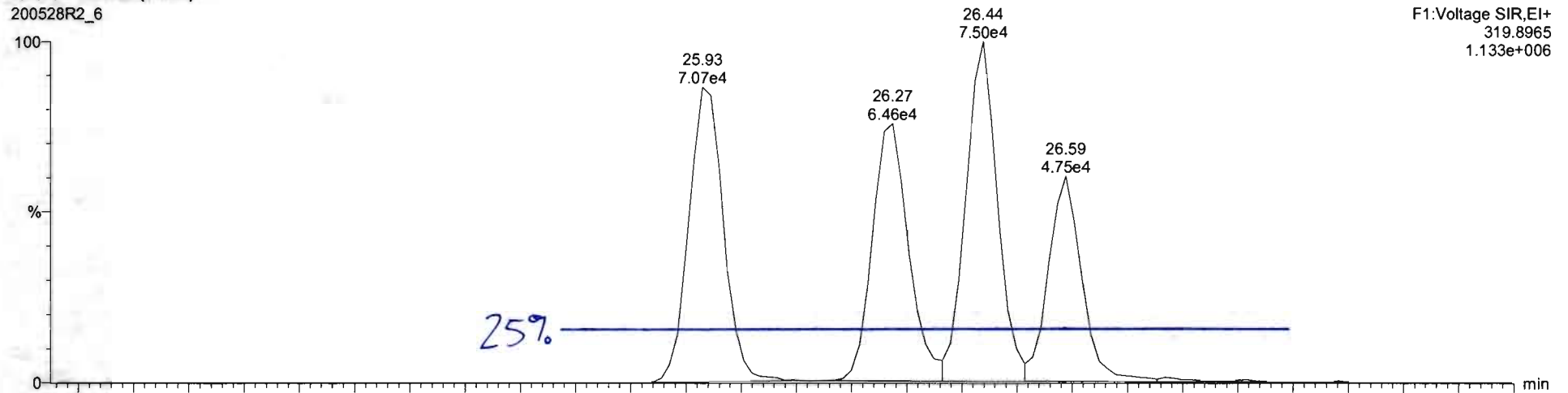
Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

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

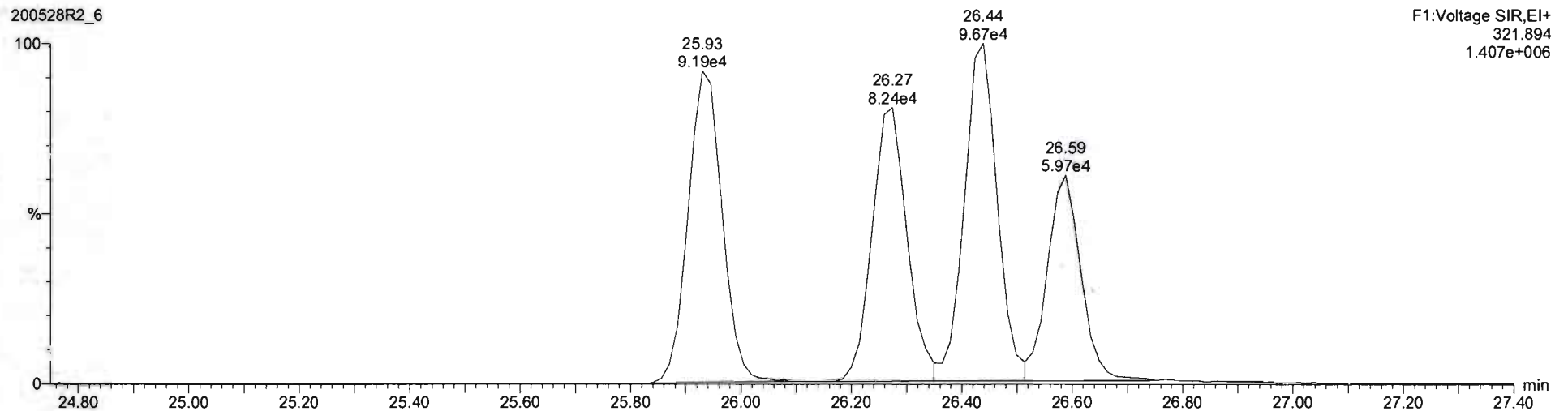
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

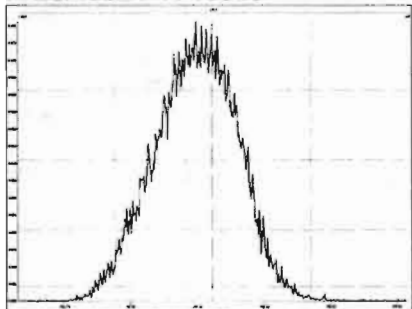
Experiment Calibration Report

MassLynx 4.1 SCN815

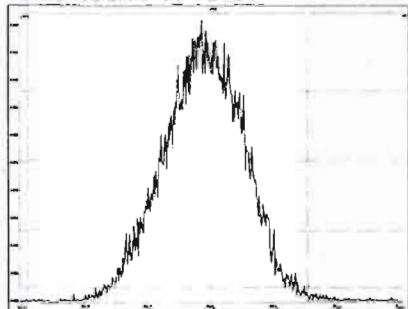
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Printed: Thursday, May 28, 2020 11:48:59 Pacific Daylight Time

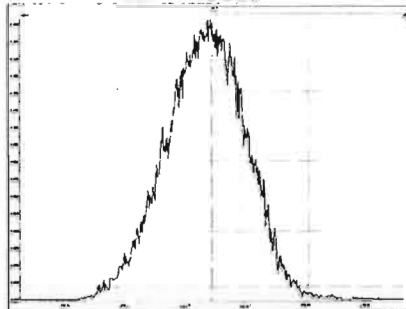
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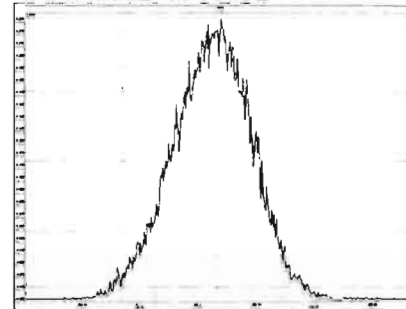
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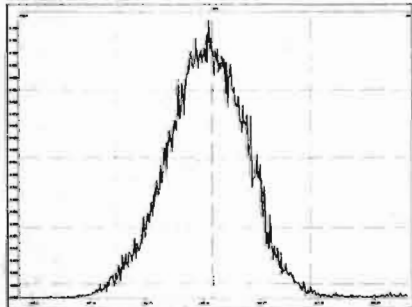
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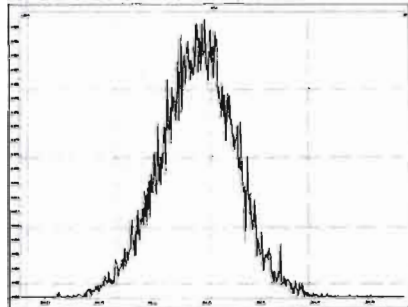
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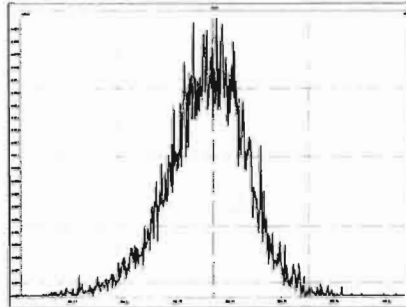
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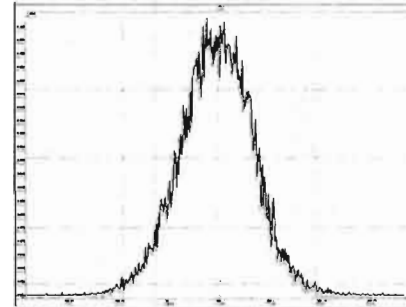
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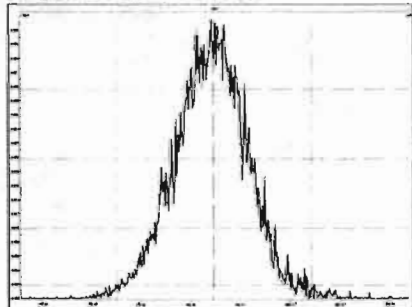
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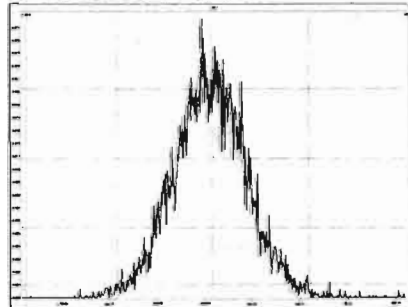
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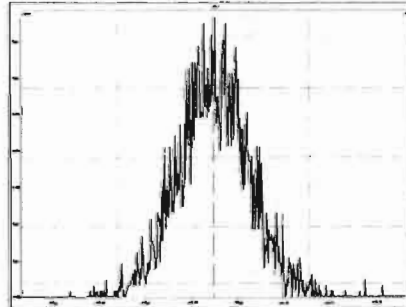
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M 404.9760 R 12316



M 416.9760 R 12754



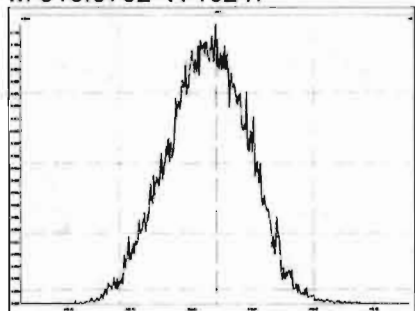
Experiment Calibration Report

MassLynx 4.1 SCN815

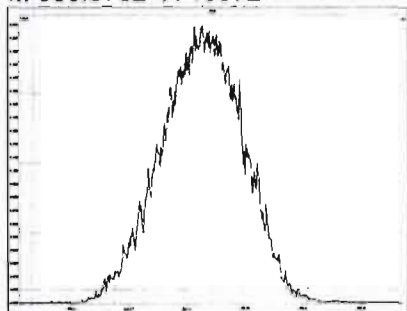
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:49:33 Pacific Daylight Time

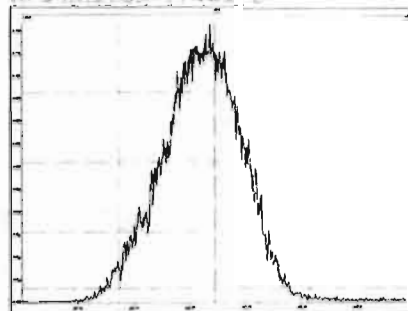
M 318.9792 R 10247



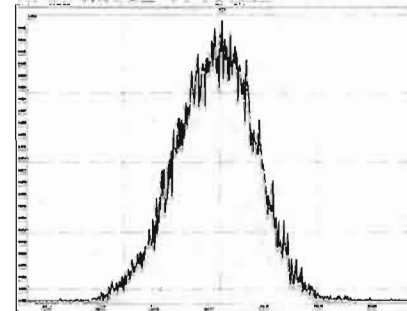
M 330.9792 R 10372



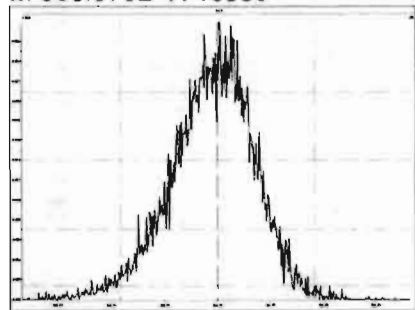
M 342.9792 R 10370



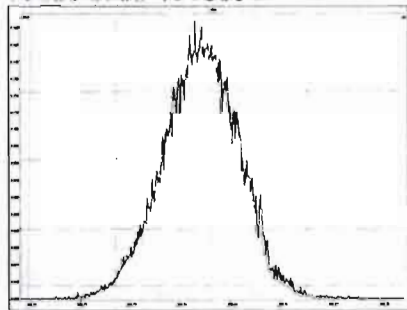
M 354.9792 R 10822



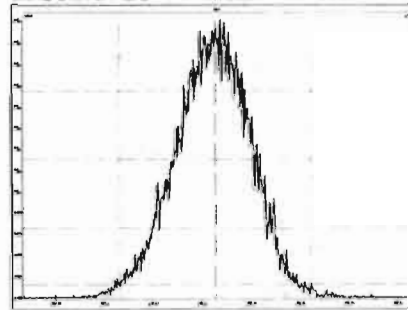
M 366.9792 R 10963



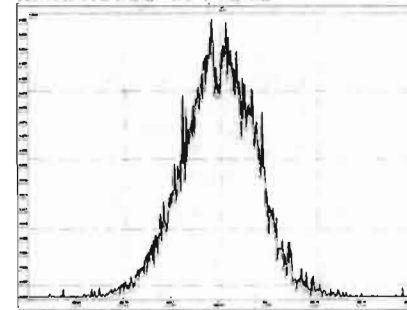
M 380.9760 R 10594



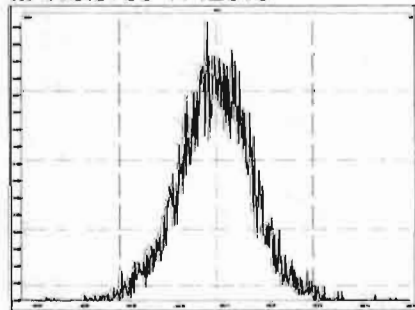
M 392.9760 R 10821



M 404.9760 R 11845



M 416.9760 R 12018



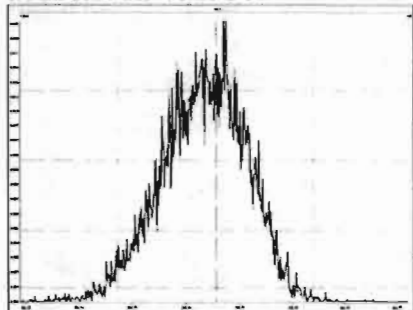
Experiment Calibration Report

MassLynx 4.1 SCN815

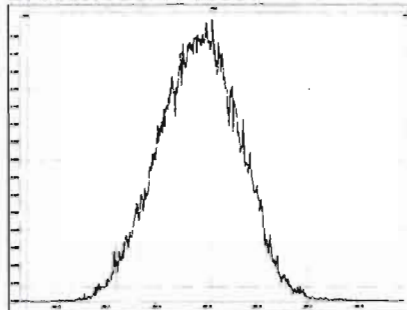
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:50:12 Pacific Daylight Time

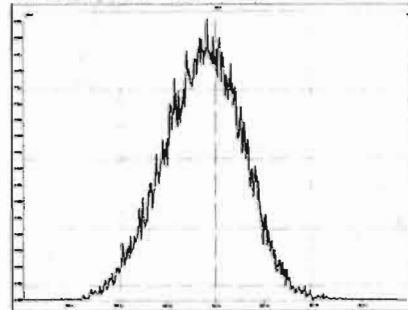
M 366.9792 R 10641



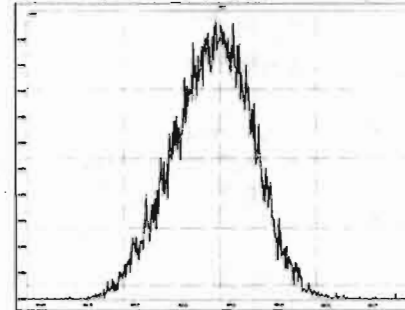
M 380.9760 R 10331



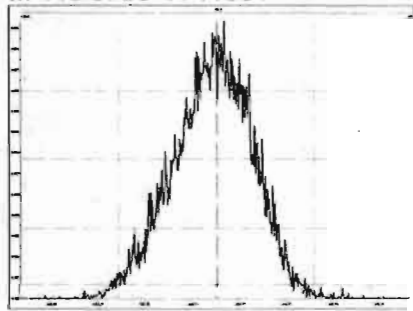
M 392.9760 R 10459



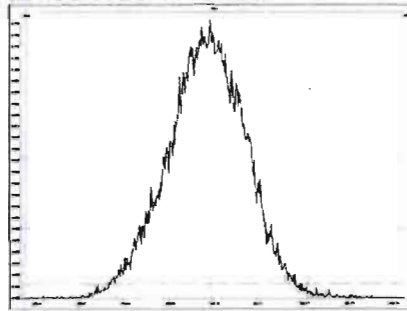
M 404.9760 R 10505



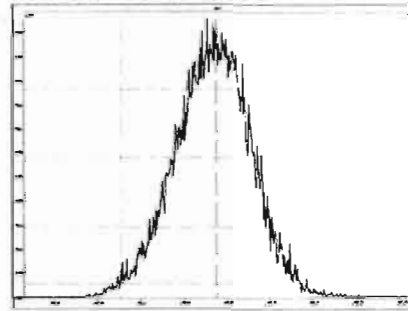
M 416.9760 R 11061



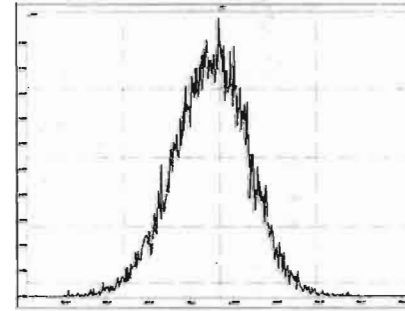
M 430.9728 R 10290



M 442.9728 R 10593



M 454.9728 R 10919



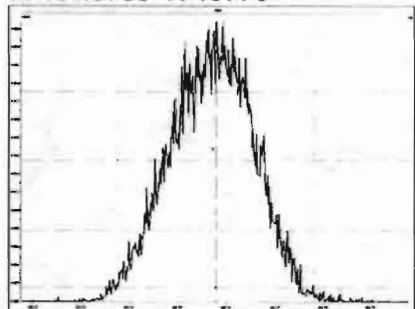
Experiment Calibration Report

MassLynx 4.1 SCN815

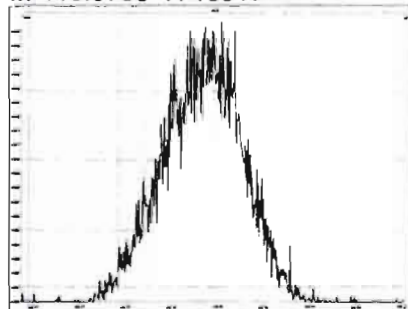
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:03 Pacific Daylight Time

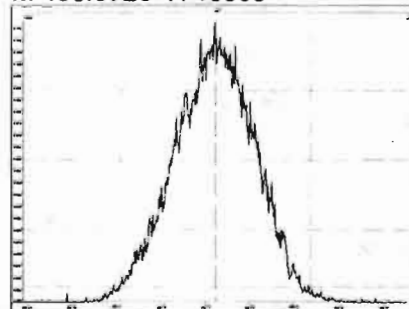
M 404.9760 R 10778



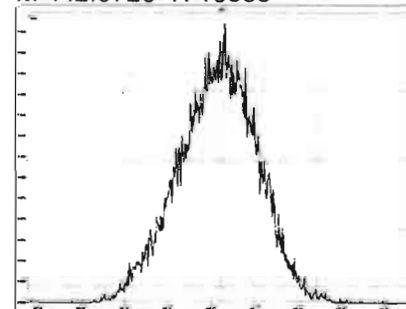
M 416.9760 R 10917



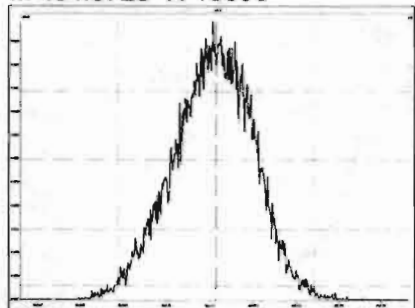
M 430.9728 R 10503



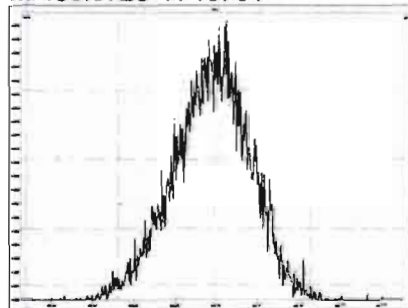
M 442.9728 R 10636



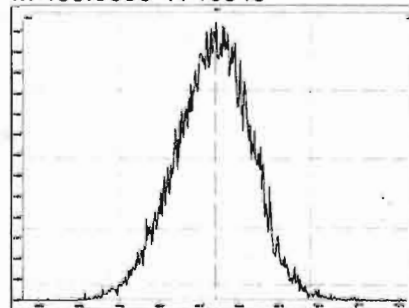
M 454.9728 R 10638



M 466.9728 R 10731



M 480.9696 R 10545



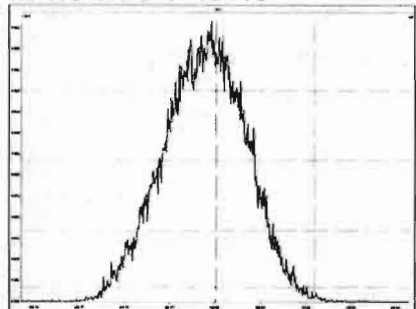
Experiment Calibration Report

MassLynx 4.1 SCN815

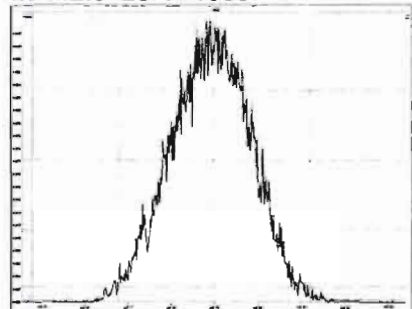
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:45 Pacific Daylight Time

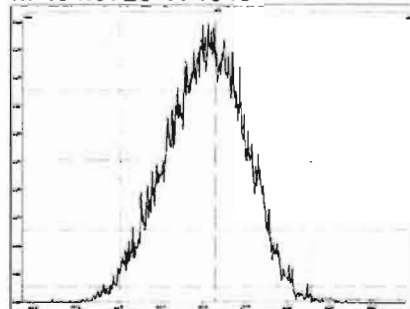
M 430.9728 R 10118



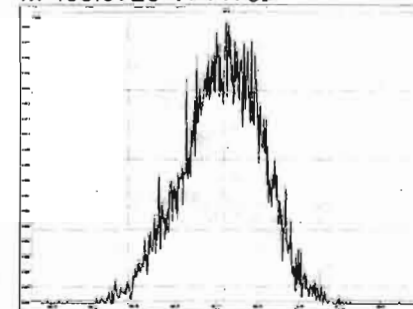
M 442.9728 R 10637



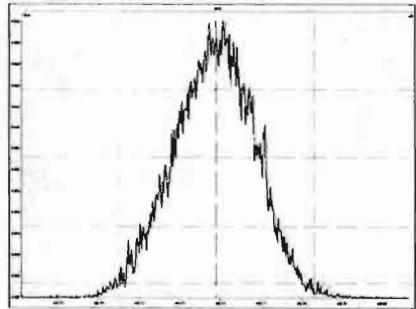
M 454.9728 R 10461



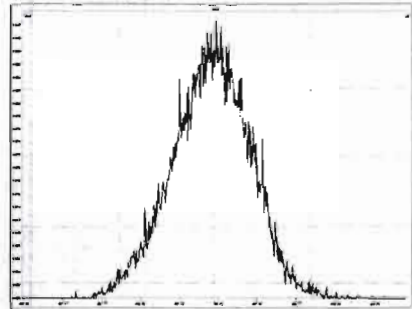
M 466.9728 R 11792



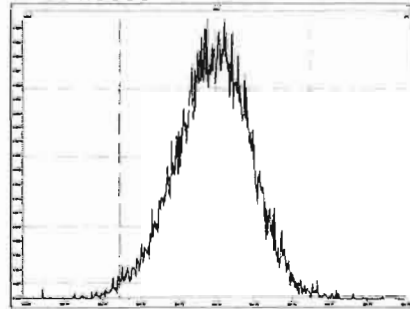
M 480.9696 R 10915



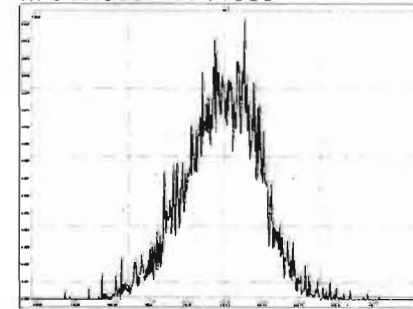
M 492.9696 R 10639



M 504.9696 R 10729



M 516.9697 R 11683



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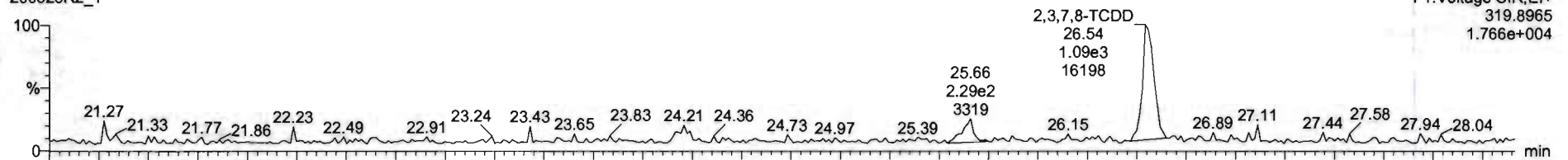
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: 29 May 2020 07:49:30

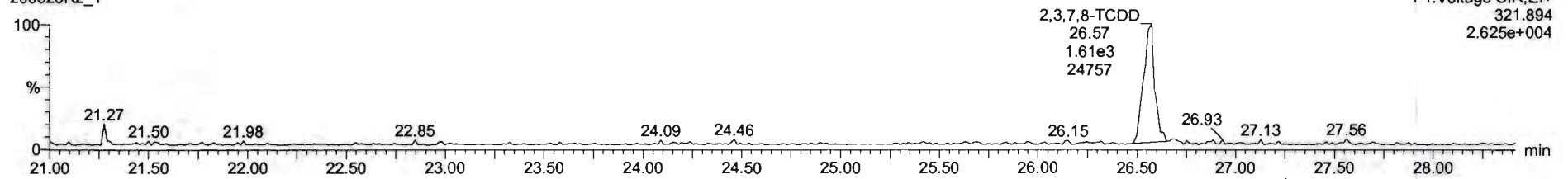
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2,3,7,8-TCDD

200528R2_1

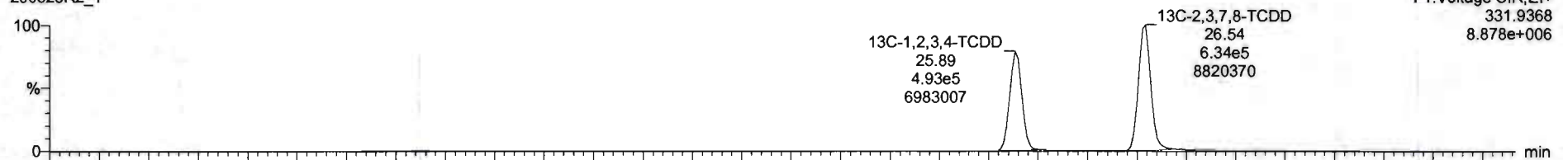


200528R2_1

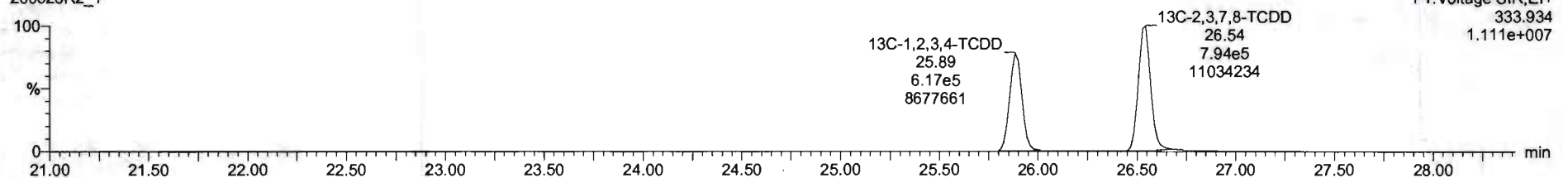


13C-2,3,7,8-TCDD

200528R2_1



200528R2_1



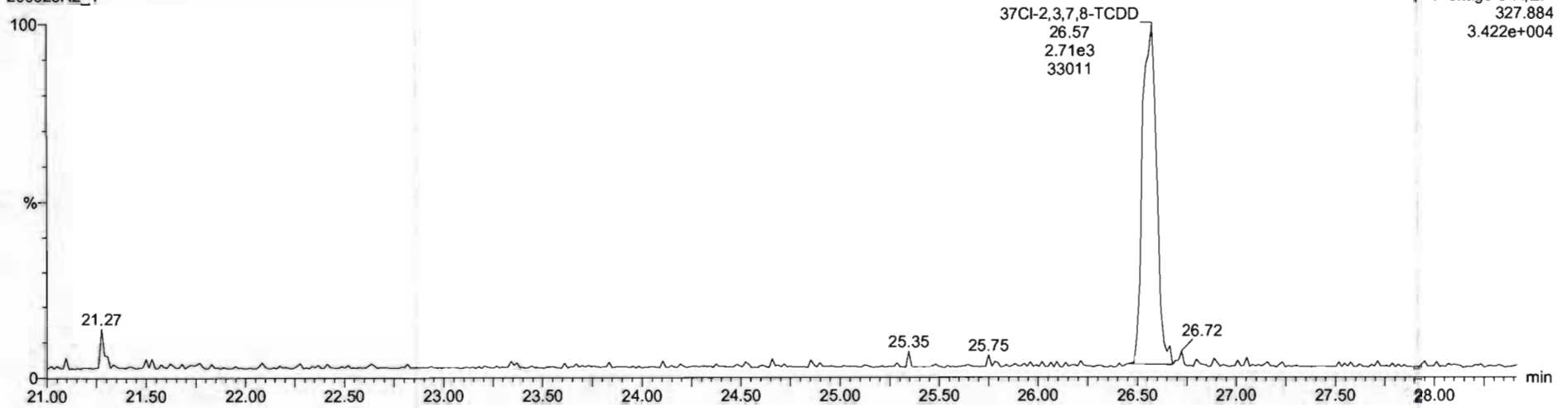
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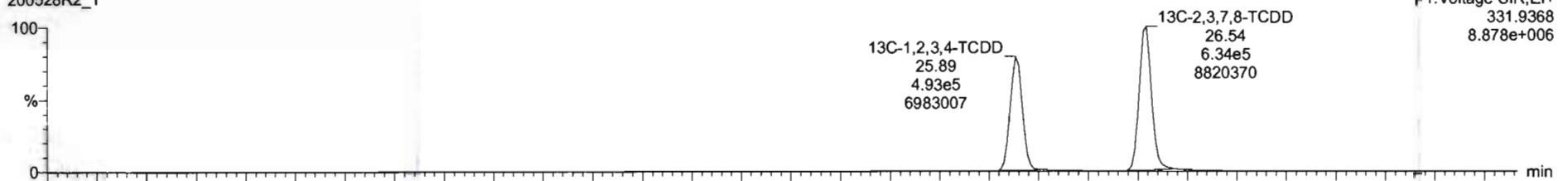
37Cl-2,3,7,8-TCDD

200528R2_1

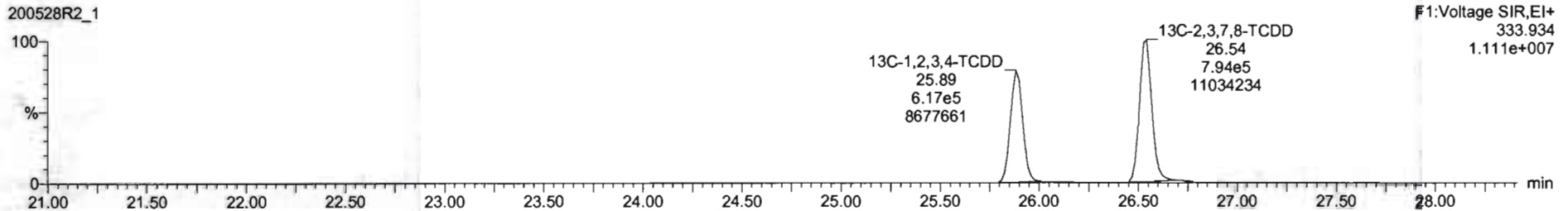


13C-1,2,3,4-TCDD

200528R2_1



200528R2_1



Dataset: Untitled

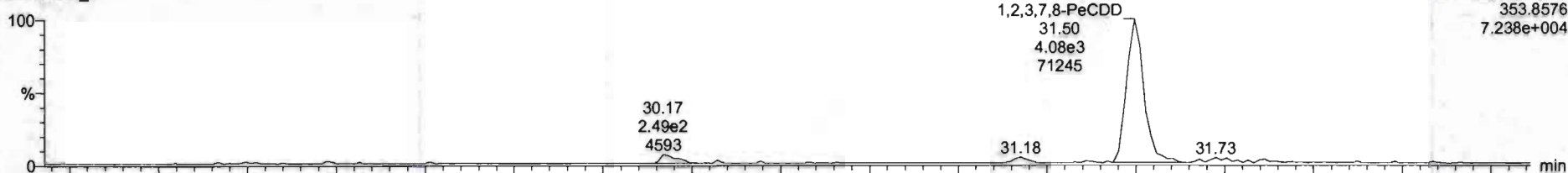
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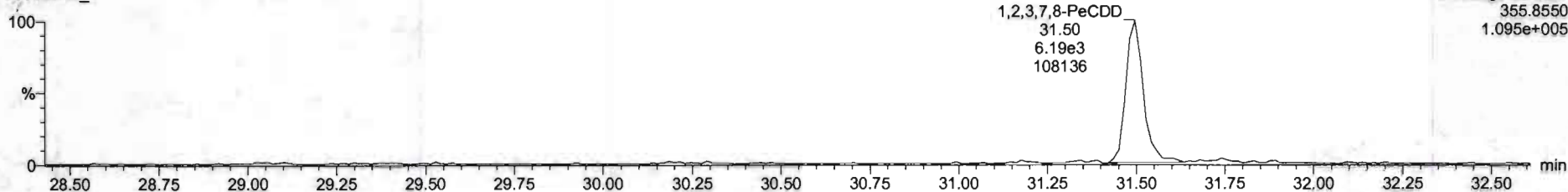
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1,2,3,7,8-PeCDD

200528R2_1

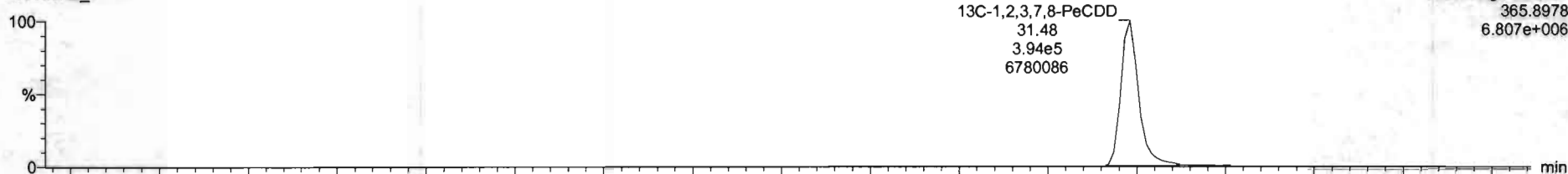


200528R2_1

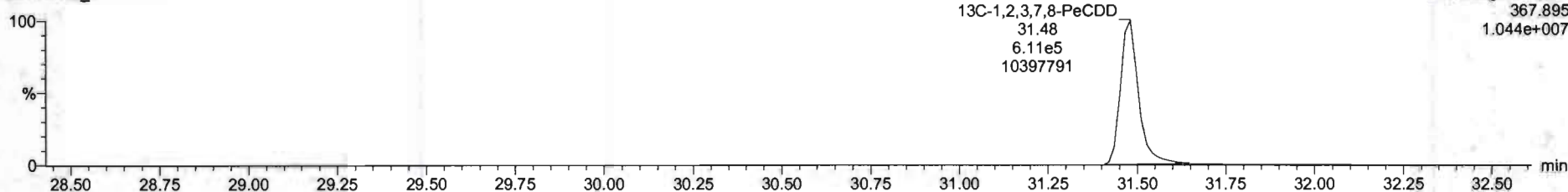


13C-1,2,3,7,8-PeCDD

200528R2_1



200528R2_1



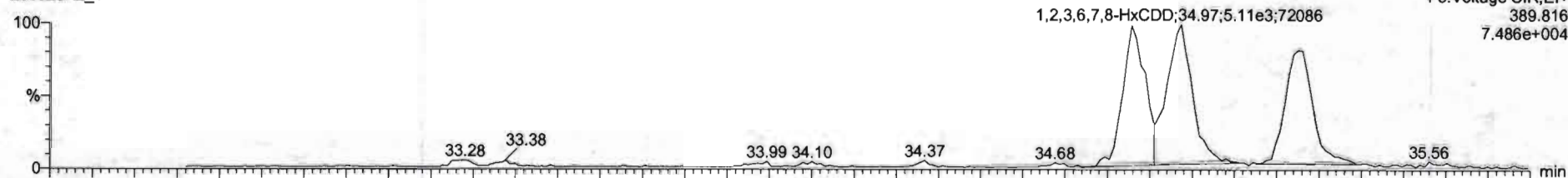
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

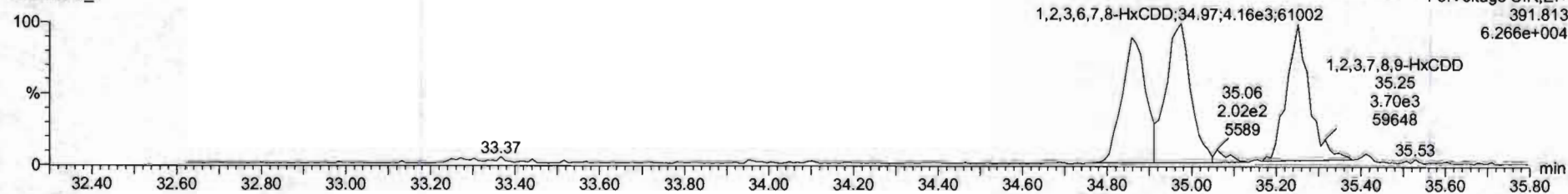
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1,2,3,4,7,8-HxCDD

200528R2_1

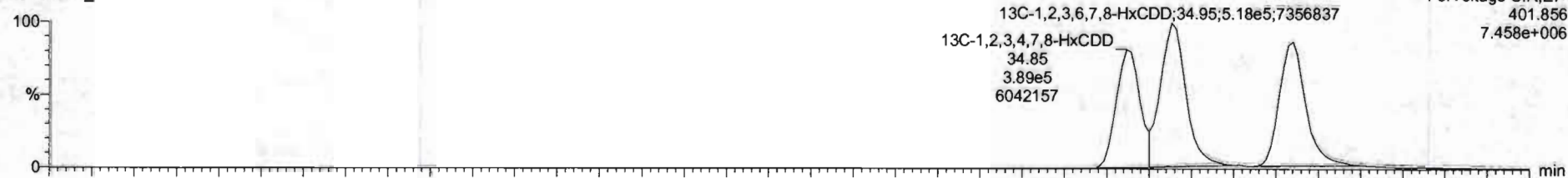


200528R2_1

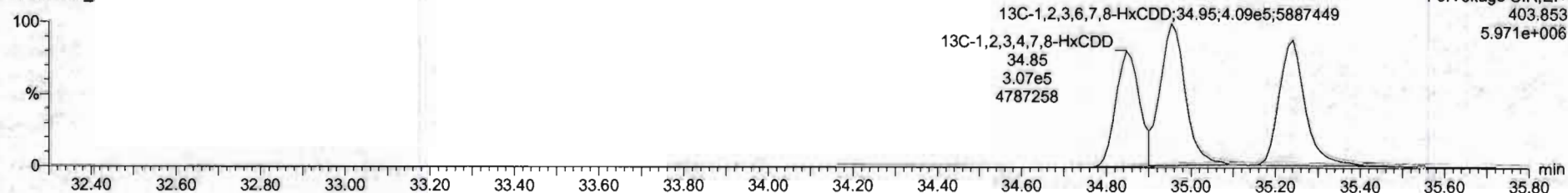


13C-1,2,3,4,7,8-HxCDD

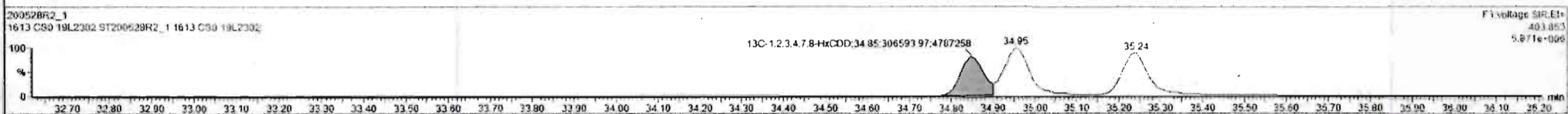
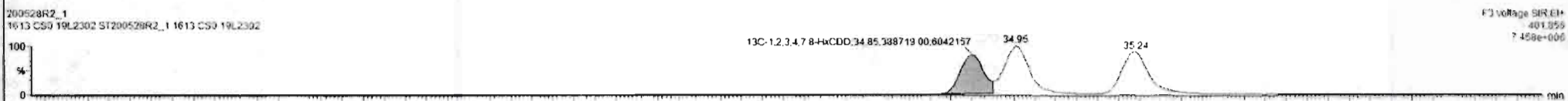
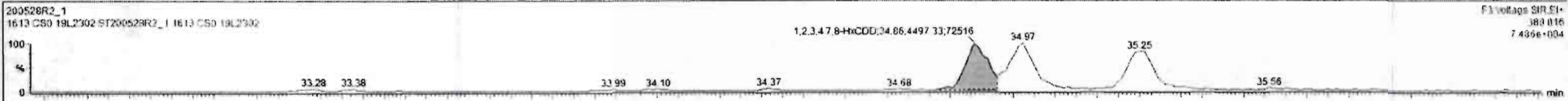
200528R2_1



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	0.8583	1.000	26.54	1.000	0.213	35.2	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	0.8865	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	0.8539	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	3.23e3	0.73	NO	0.7510	1.000	25.87	1.001	0.223	39.1	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	1,2,3,4,7,8-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	0.8562	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	



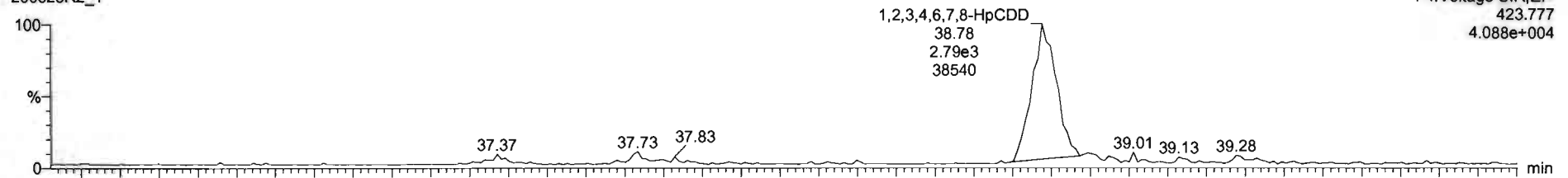
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

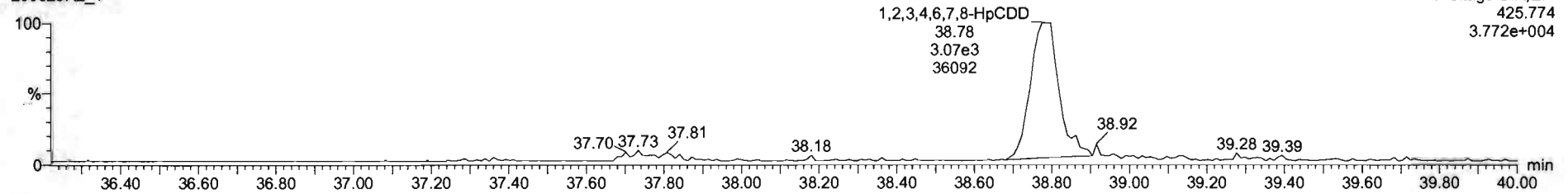
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1,2,3,4,6,7,8-HpCDD

200528R2_1

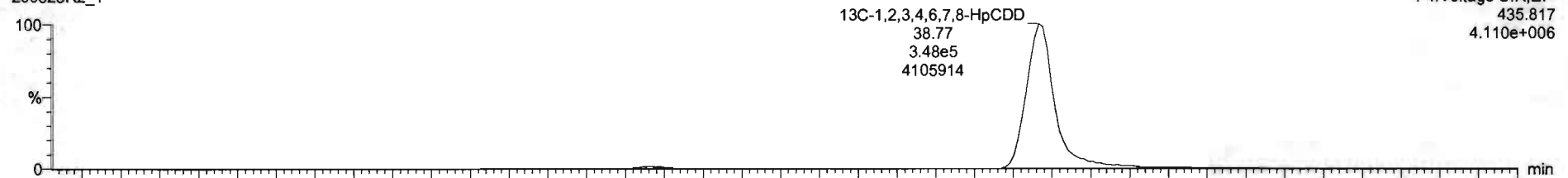


200528R2_1

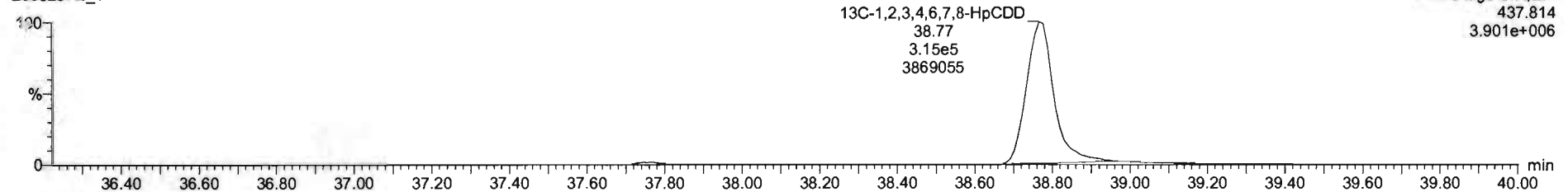


13C-1,2,3,4,6,7,8-HpCDD

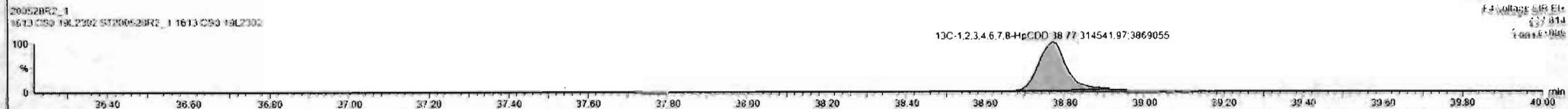
200528R2_1



200528R2_1



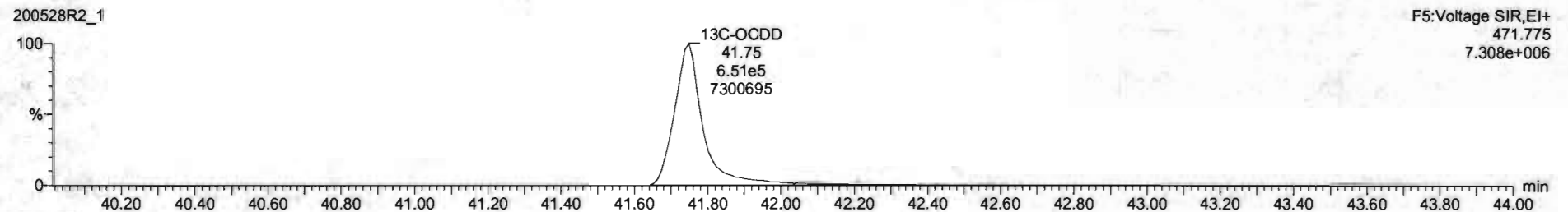
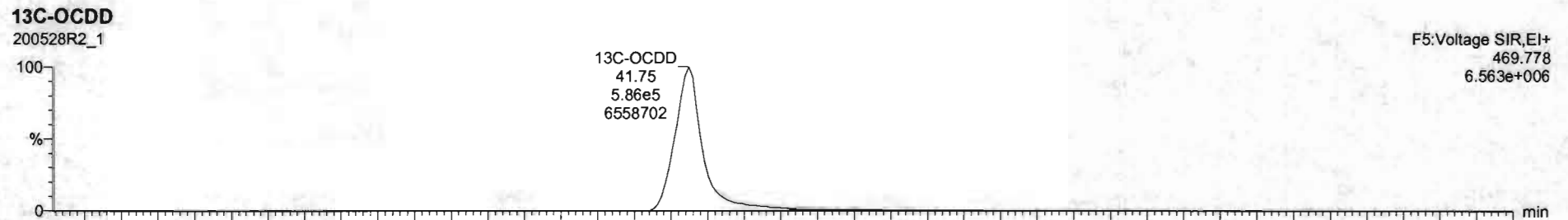
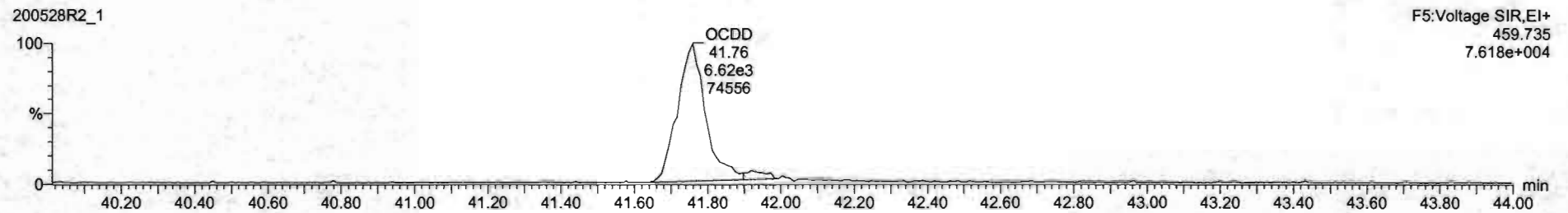
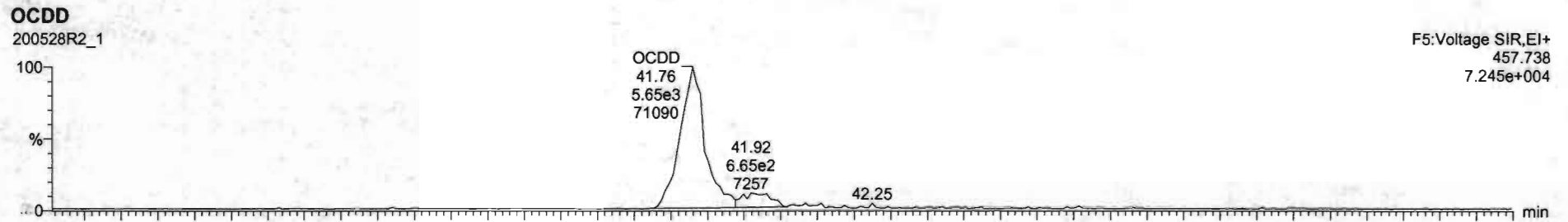
SI	Name	Reap	RA	nty	RRF	wtdvol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.58	NO	0.8583	1.000	26.54	1.000	0.212	88.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0282	1.12
3	1,2,3,4,7,8-HxCDD	5.02e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	69.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	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	



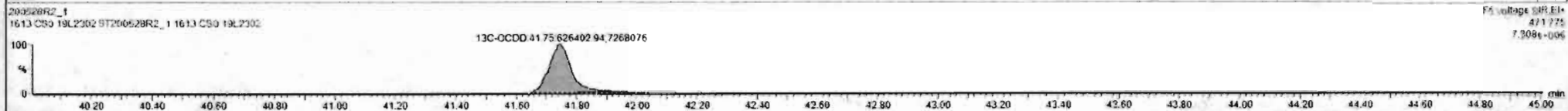
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



#	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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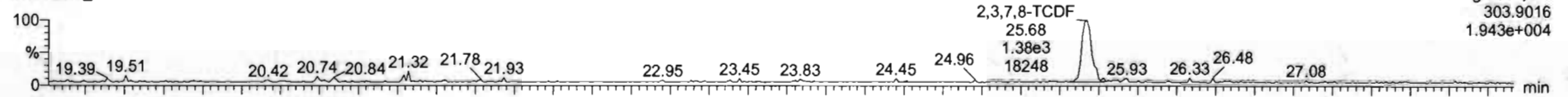
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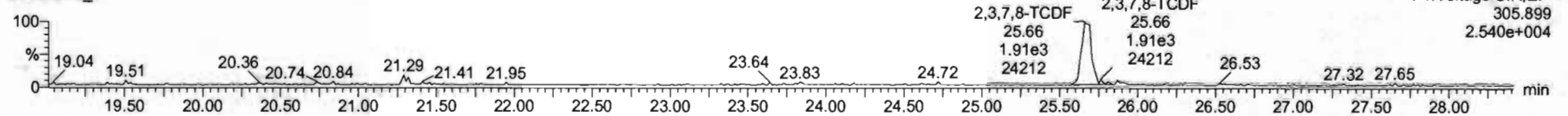
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2,3,7,8-TCDF

200528R2_1

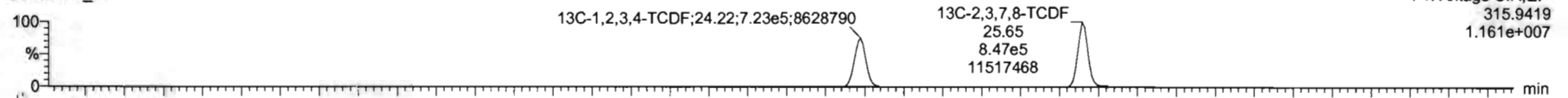


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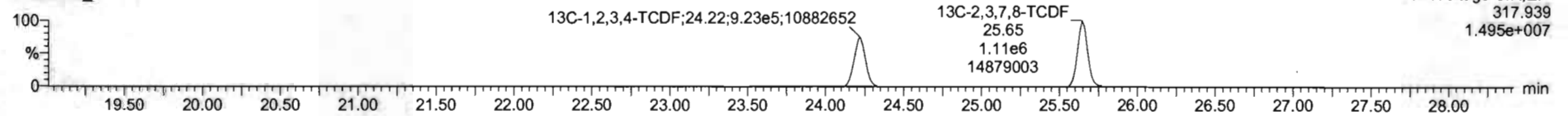


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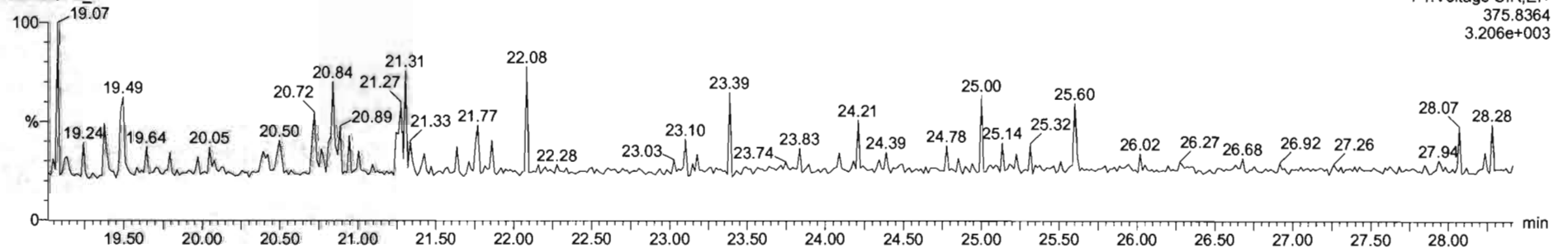


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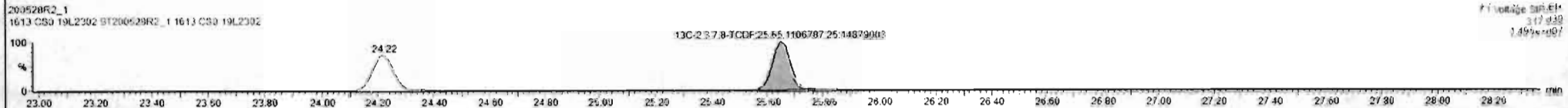
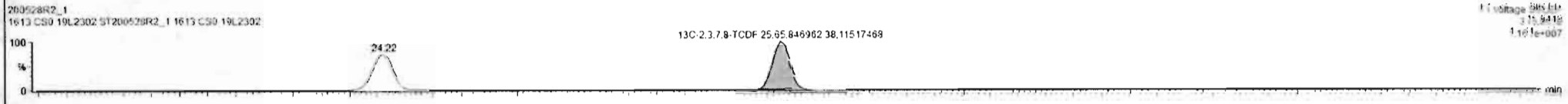
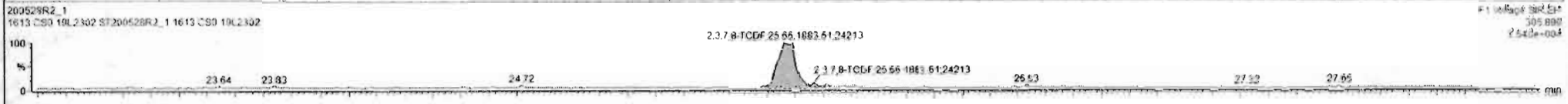
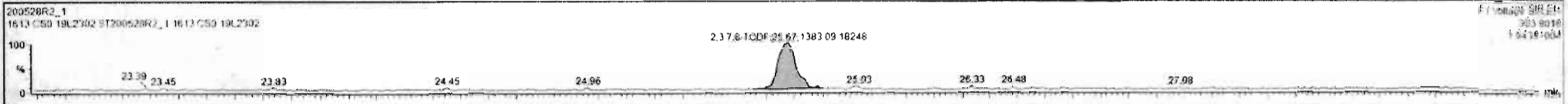


DPE1

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	1.00	86.2	0.0369	1.00
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

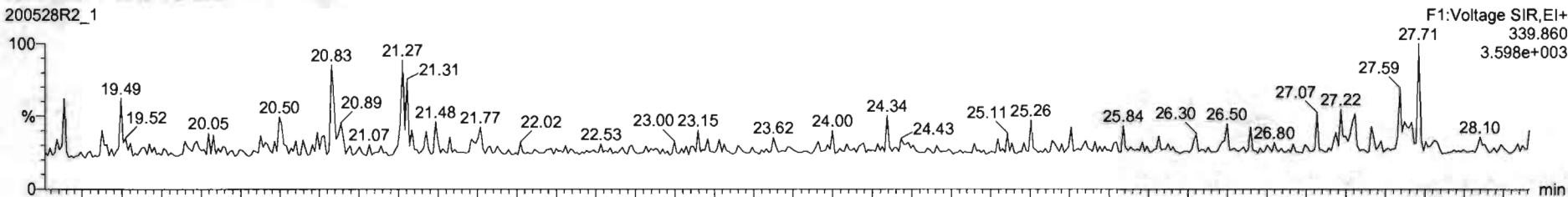
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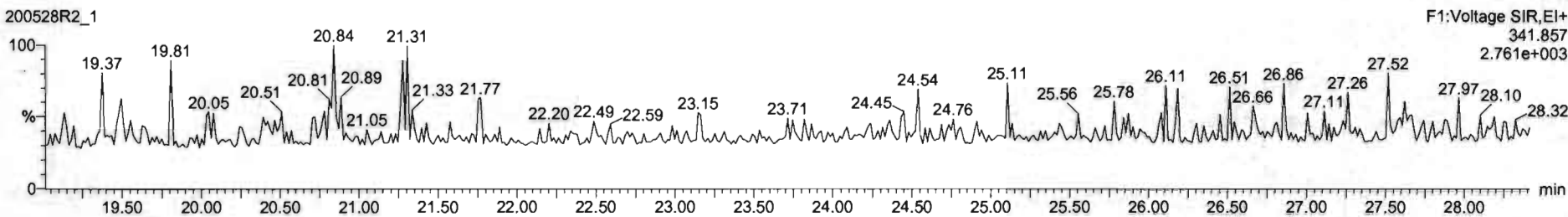
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1st Func. Penta-Furans

200528R2_1

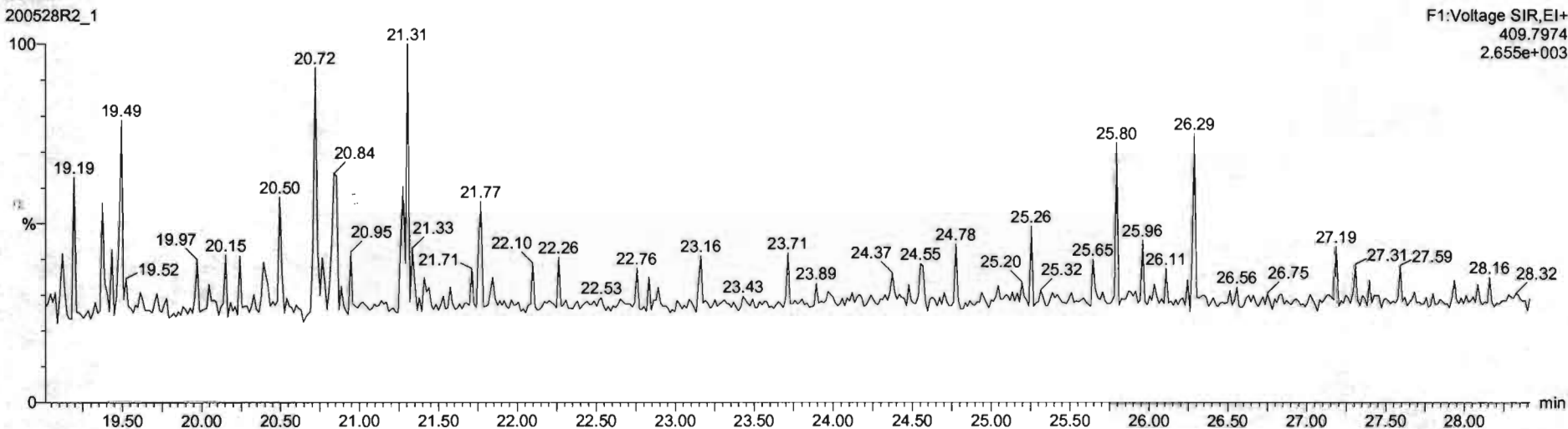


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DPE6

200528R2_1



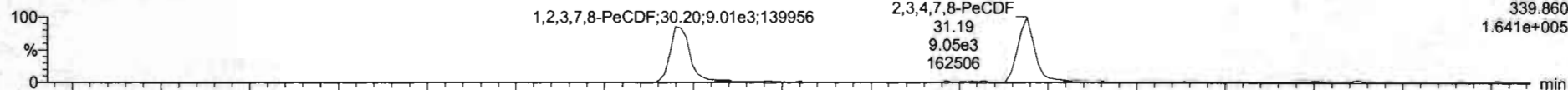
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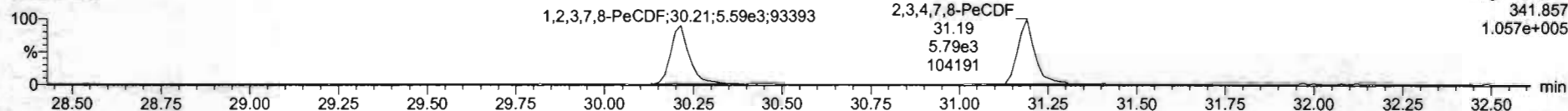
1,2,3,7,8-PeCDF

200528R2_1



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1.641e+005

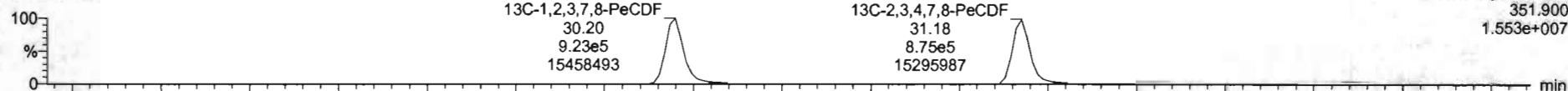
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F2:Voltage SIR,EI+
341.857
1.057e+005

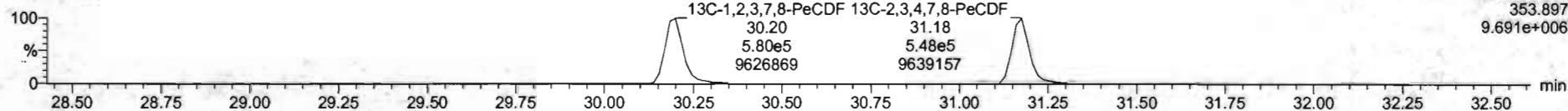
13C-1,2,3,7,8-PeCDF

200528R2_1



F2:Voltage SIR,EI+
351.900
1.553e+007

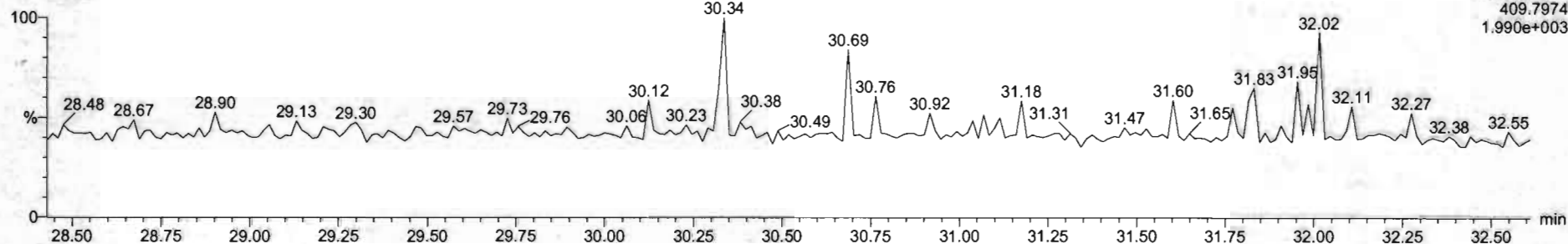
200528R2_1



F2:Voltage SIR,EI+
353.897
9.691e+006

DPE2

200528R2_1



F2:Voltage SIR,EI+
409.7974
1.990e+003

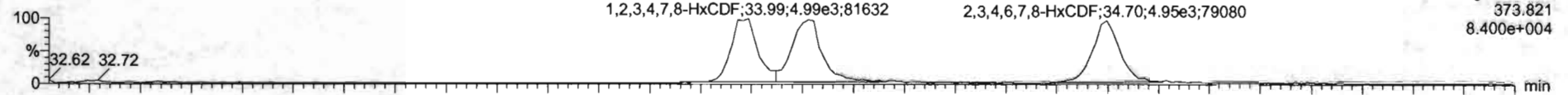
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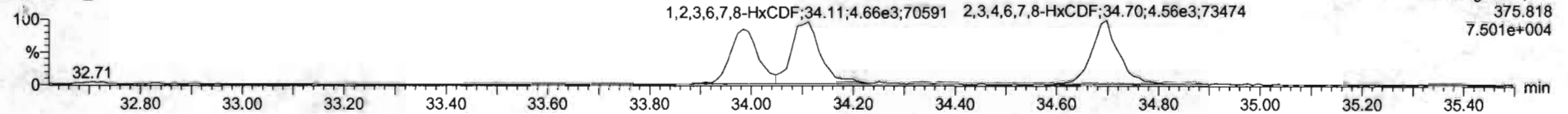
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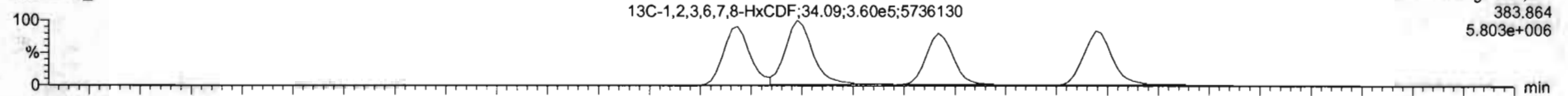


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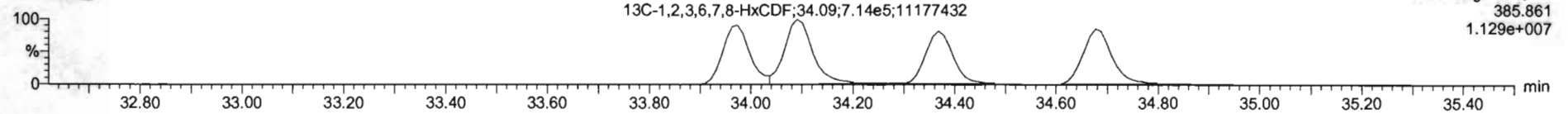


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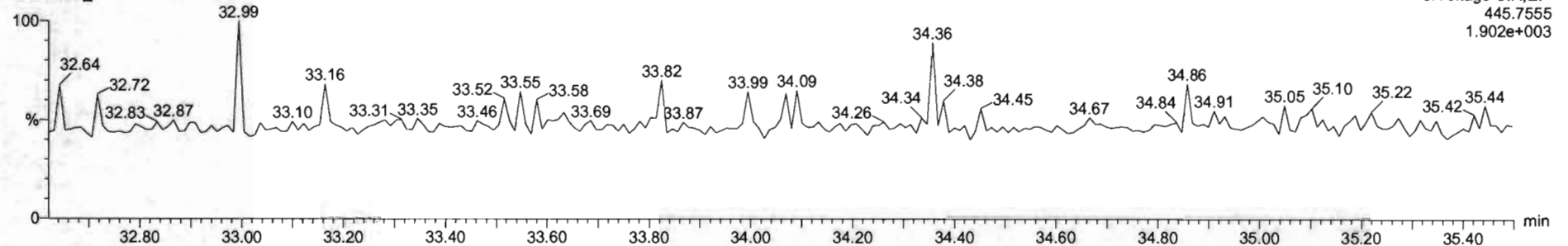


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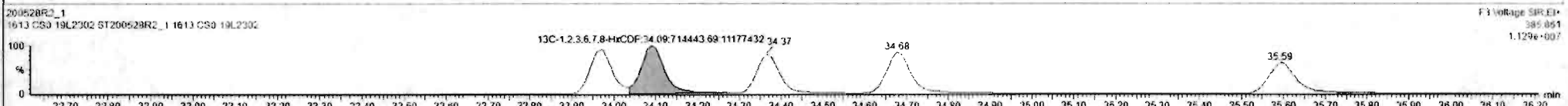
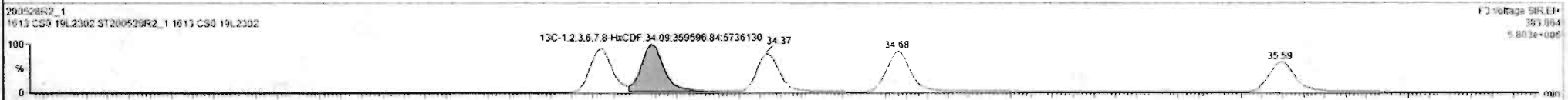
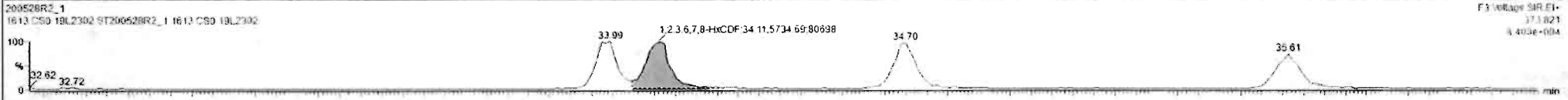


DPE3

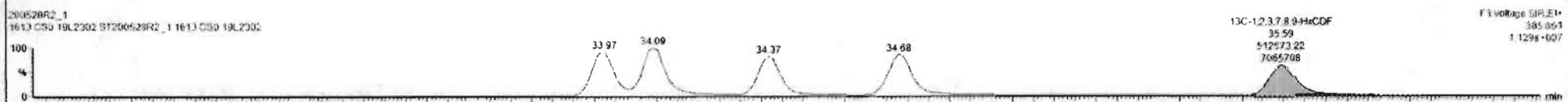
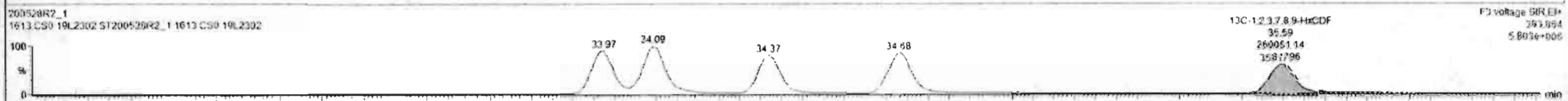
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Name	Resp	RA	inj	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.70e3	0.58	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6051	1.000	31.50	1.000	1.12	90.0	0.0292	1.12
3 1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0324	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	0.9126	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	28.67	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	1.02
17 OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.009	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	0.8460	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	

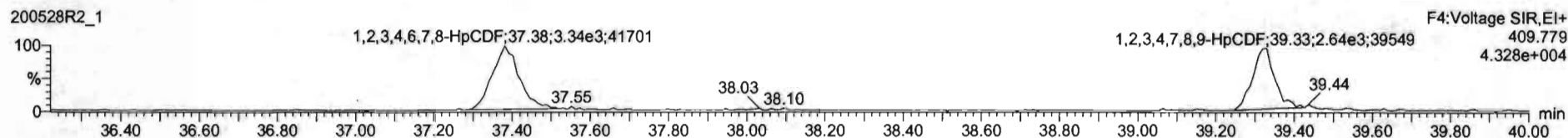
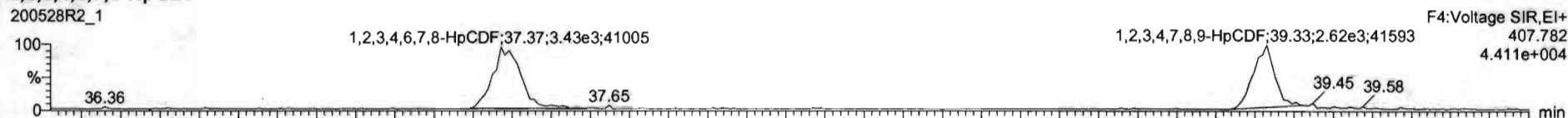


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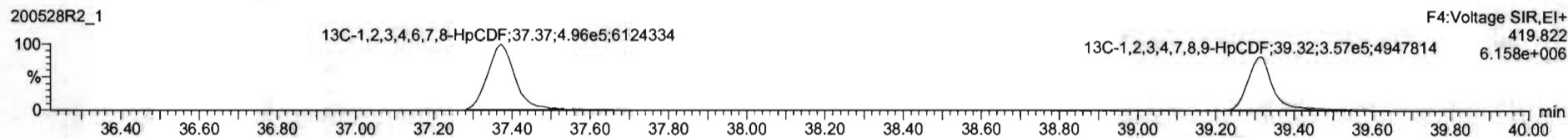
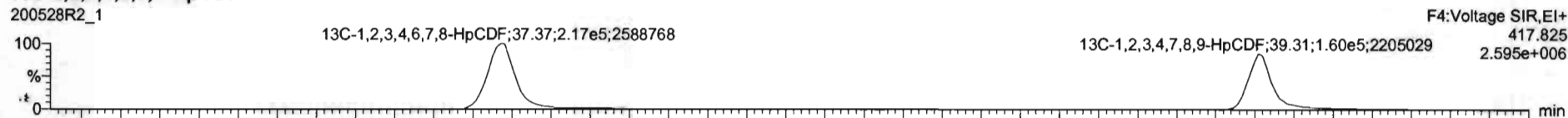
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

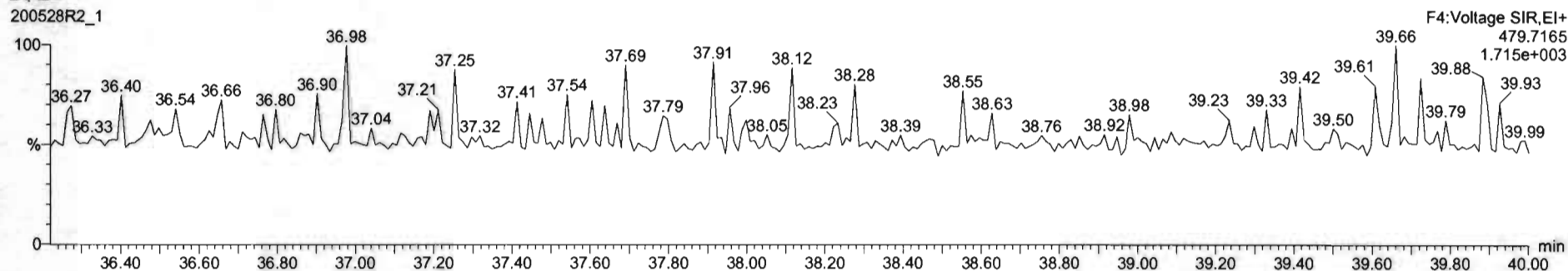
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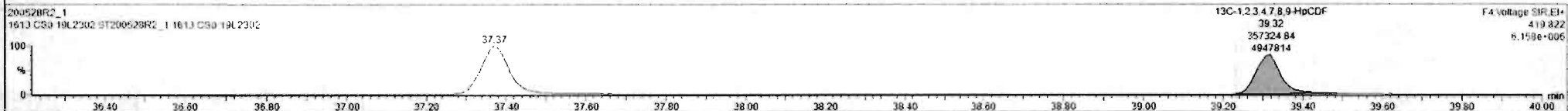
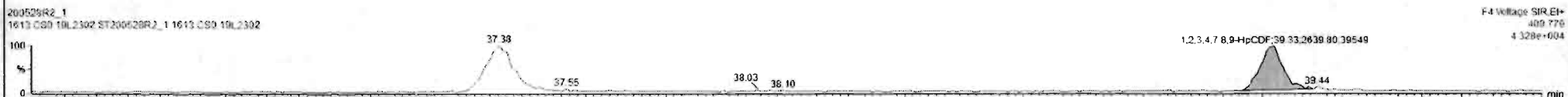
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CPE4



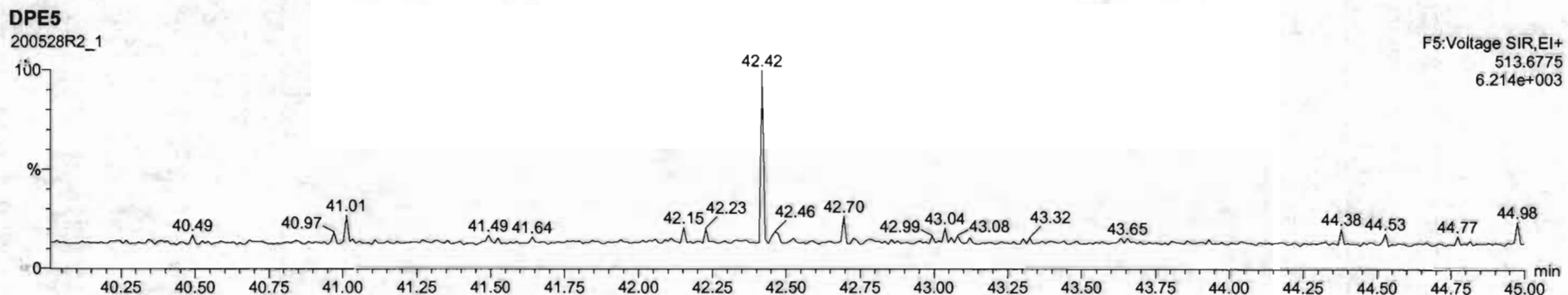
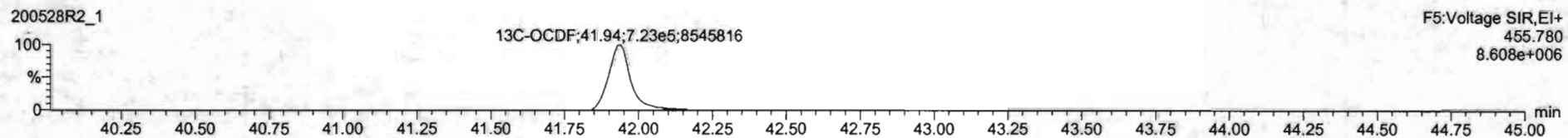
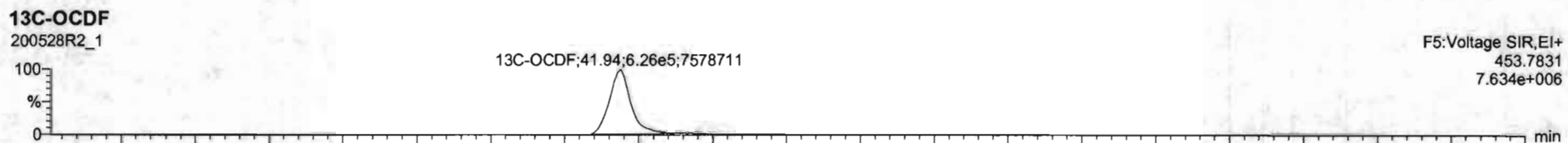
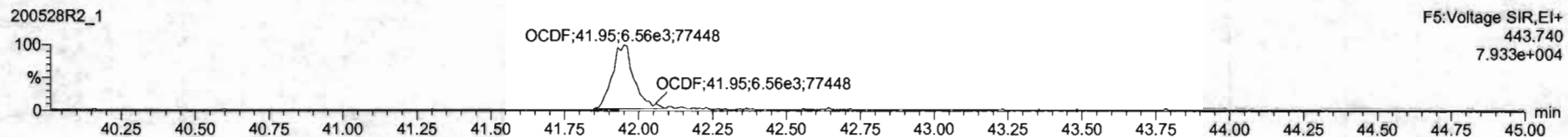
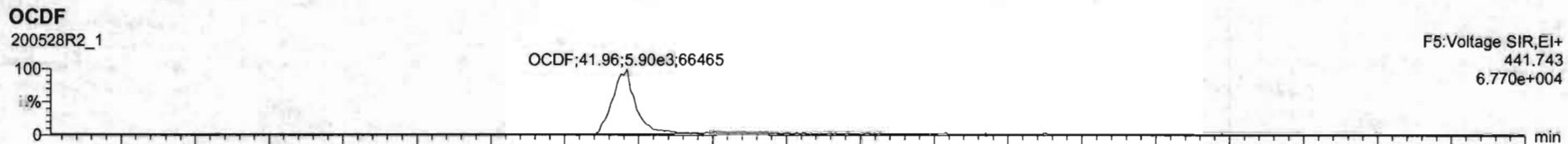
Name	Resp	RA	nBy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.79e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	8.02e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	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	



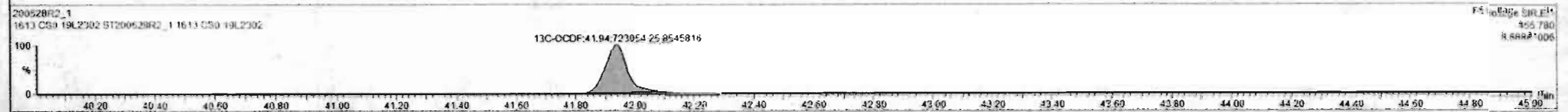
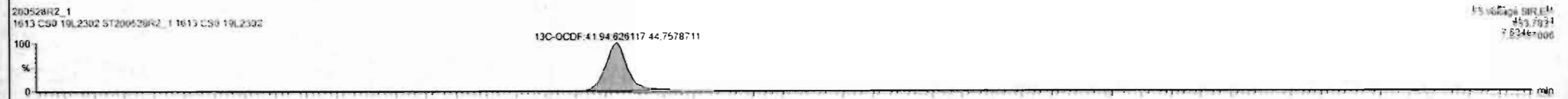
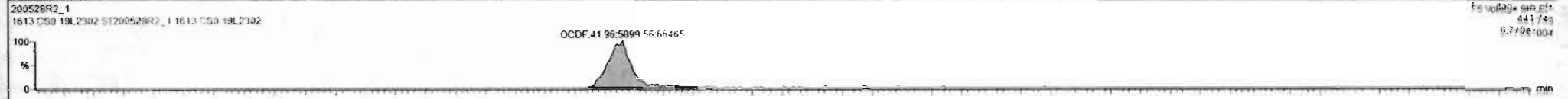
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



Name	Resp	RA	aly	RRF	wtWt	RT	RRT	Conc	%Rec	QL	EMPC
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	0.8523	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	0.056E	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	

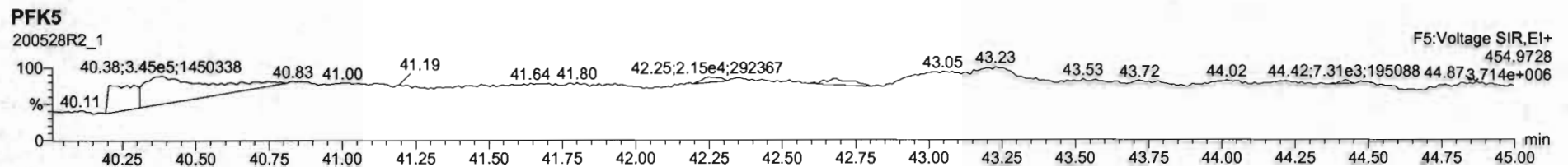
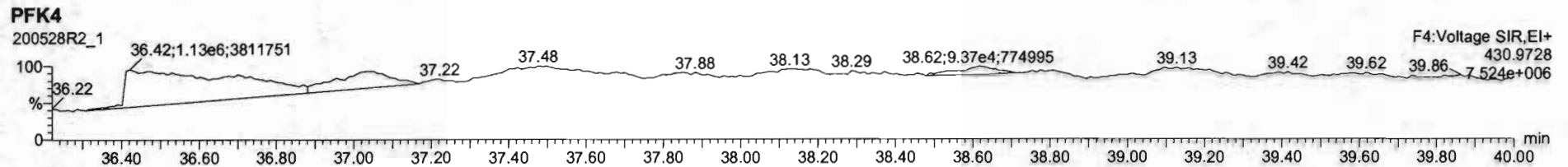
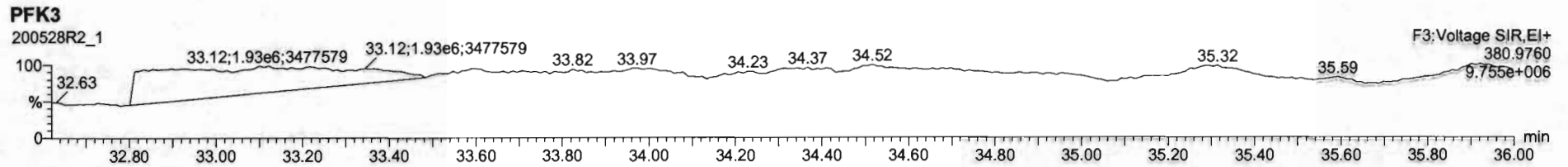
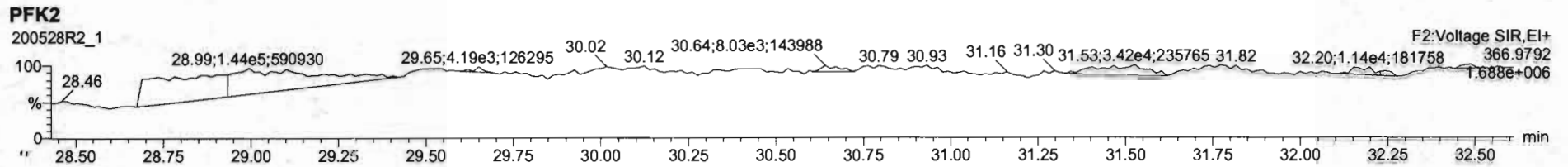
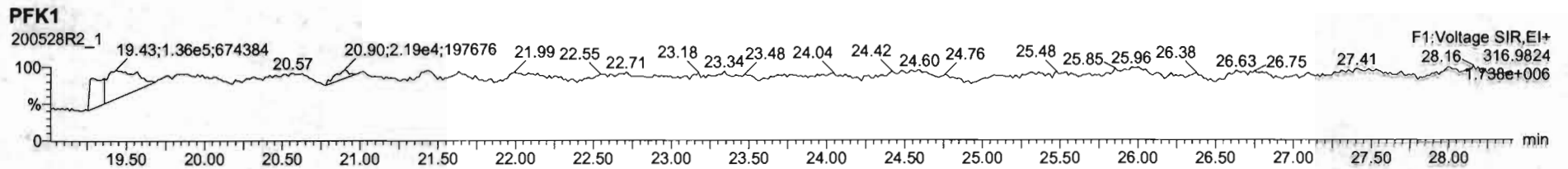


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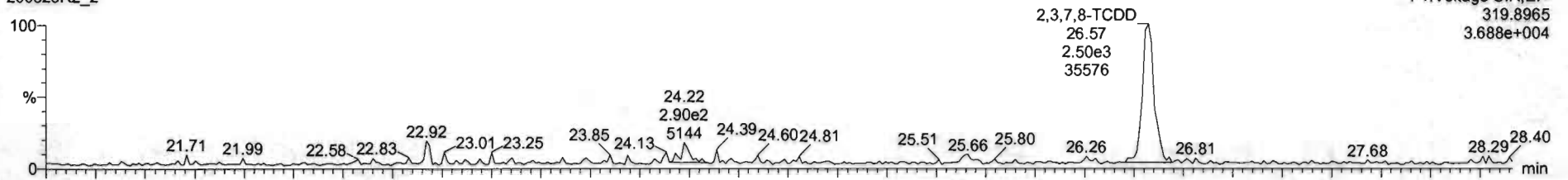
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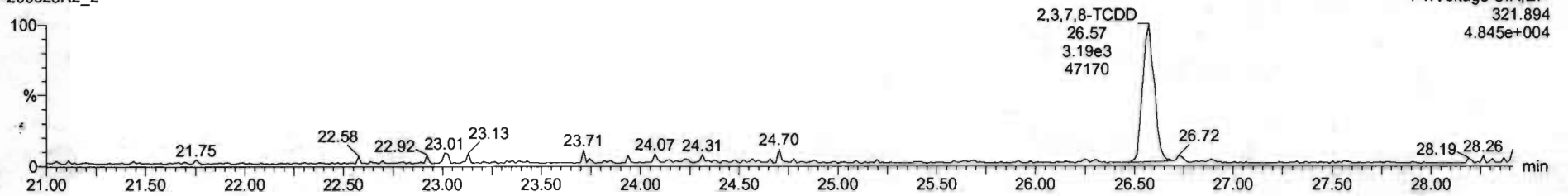
2,3,7,8-TCDD

200528R2_2



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3.688e+004

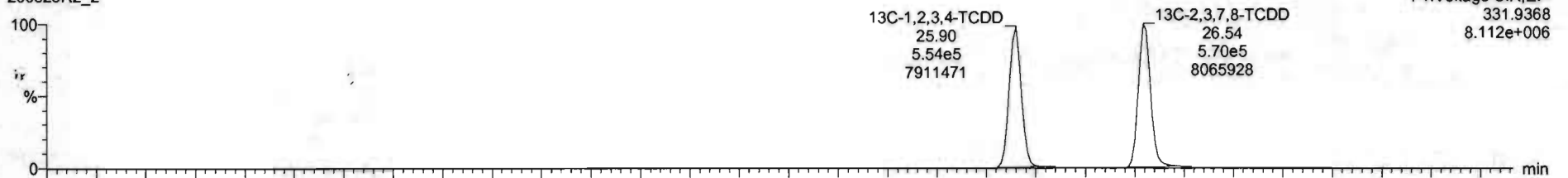
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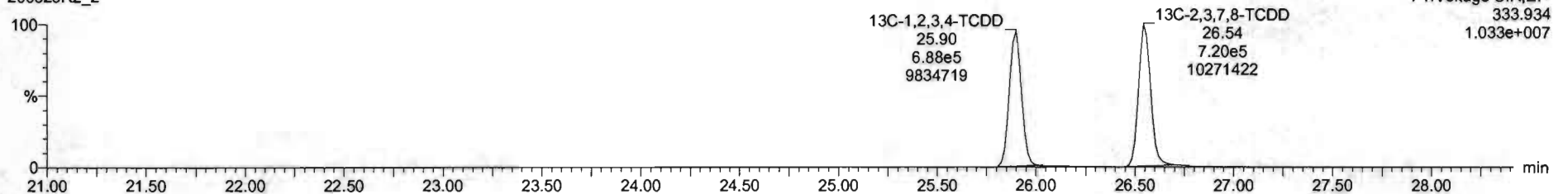
13C-2,3,7,8-TCDD

200528R2_2



F1:Voltage SIR,EI+
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8.112e+006

200528R2_2



F1:Voltage SIR,EI+
333.934
1.033e+007

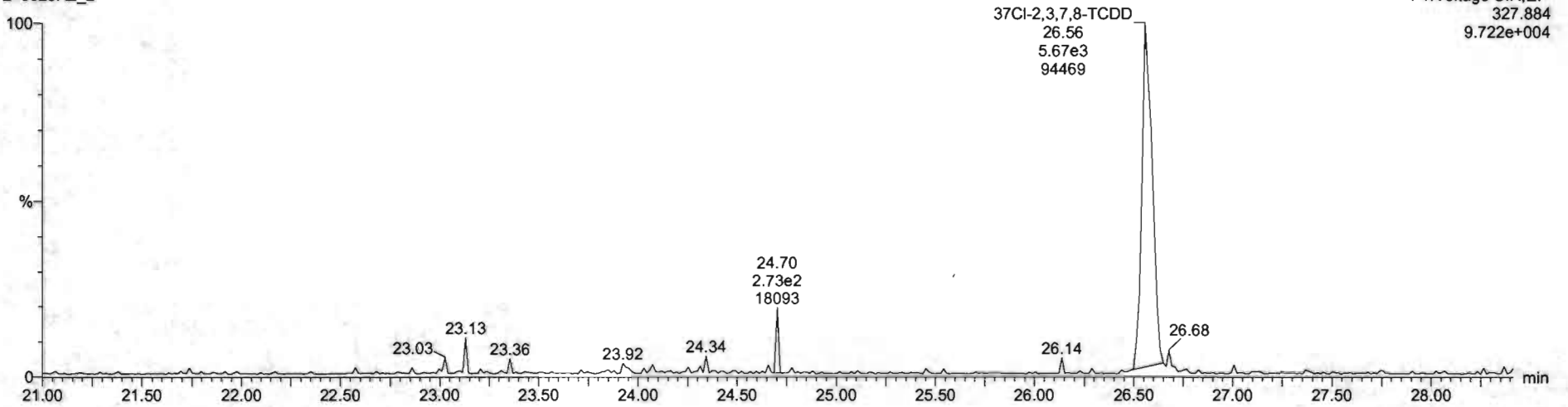
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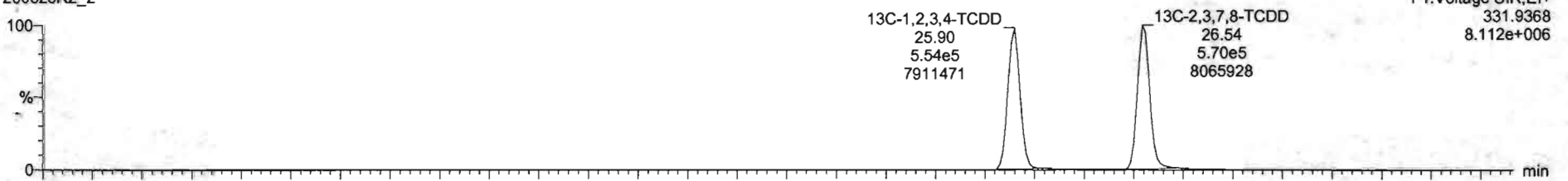
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200528R2_2

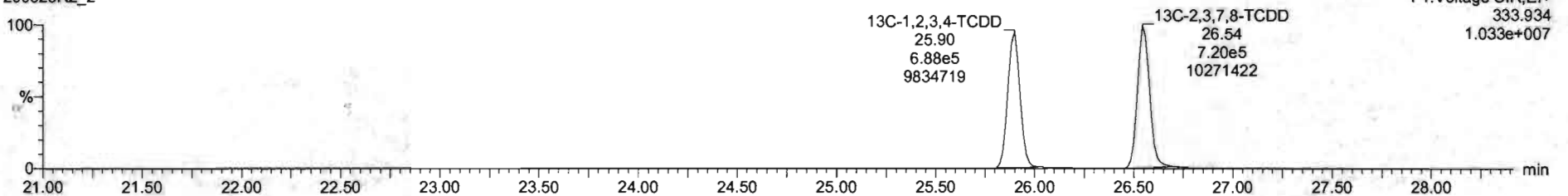


13C-1,2,3,4-TCDD

200528R2_2



200528R2_2



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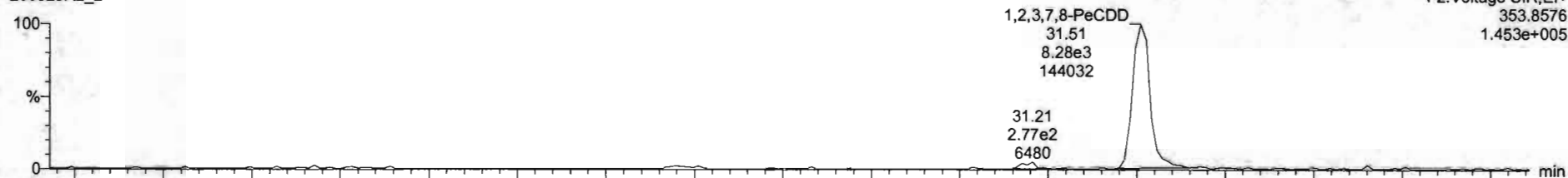
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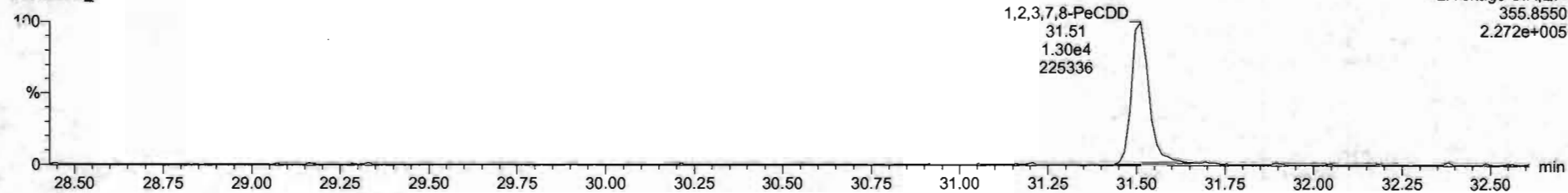
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1,2,3,7,8-PeCDD

200528R2_2

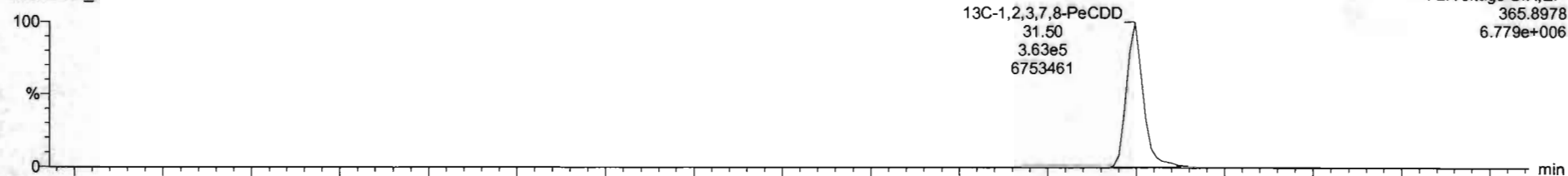


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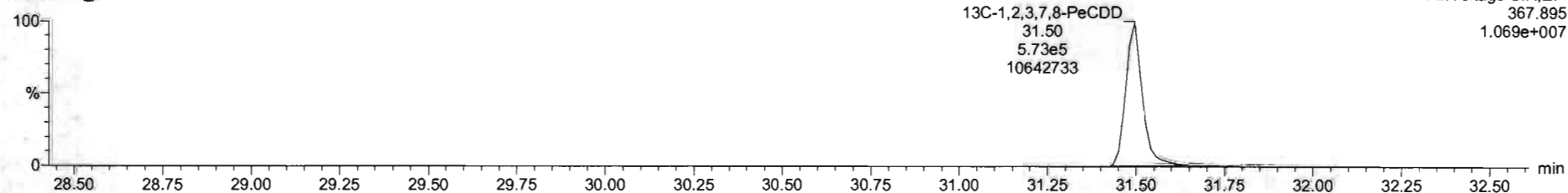


13C-1,2,3,7,8-PeCDD

200528R2_2



200528R2_2



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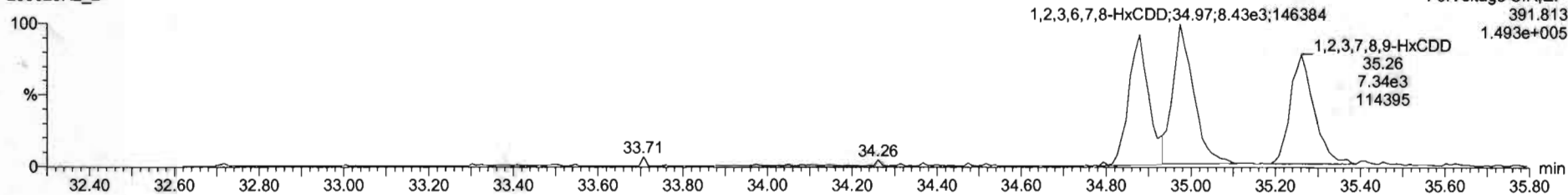
Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

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

200528R2_2

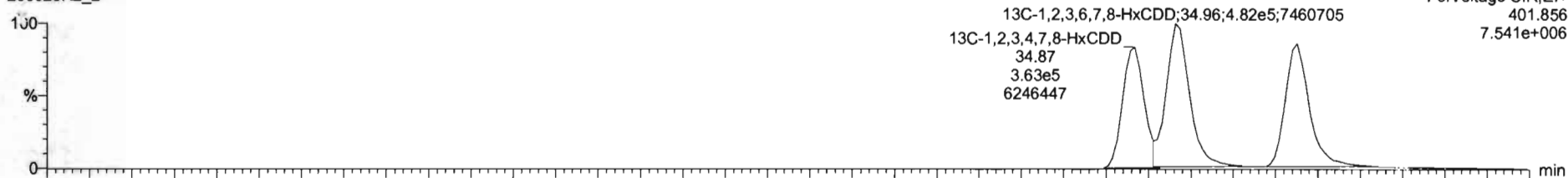


200528R2_2

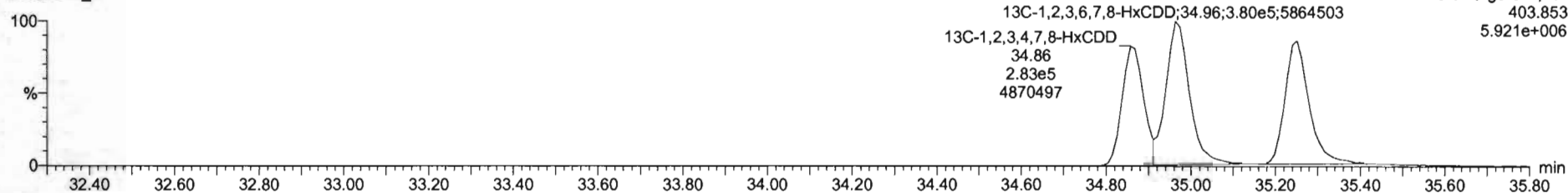


13C-1,2,3,4,7,8-HxCDD

200528R2_2



200528R2_2



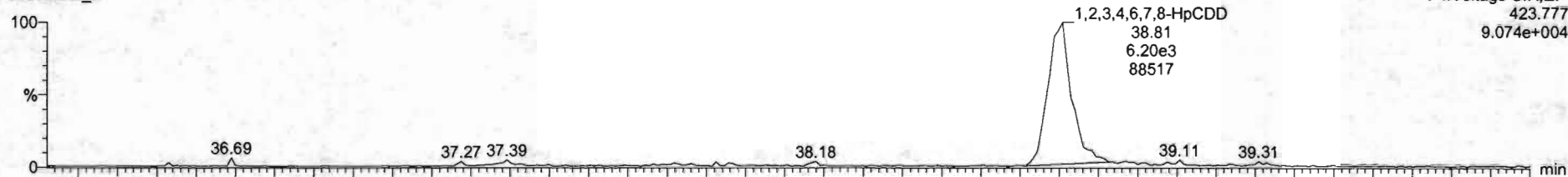
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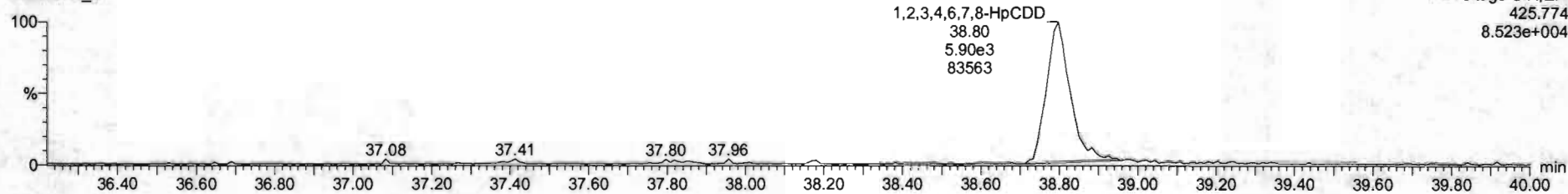
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1,2,3,4,6,7,8-HpCDD

200528R2_2

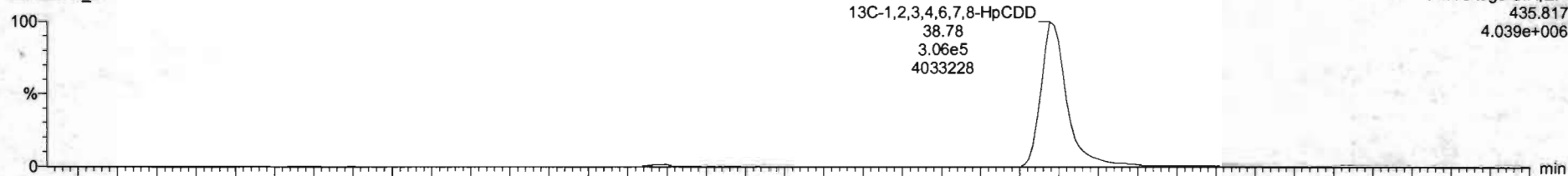


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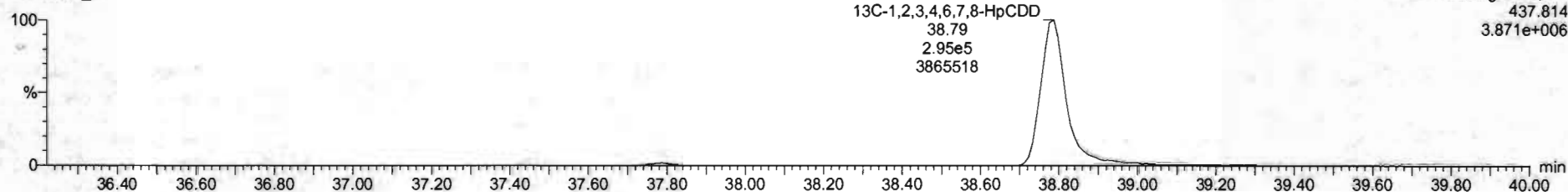


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200528R2_2



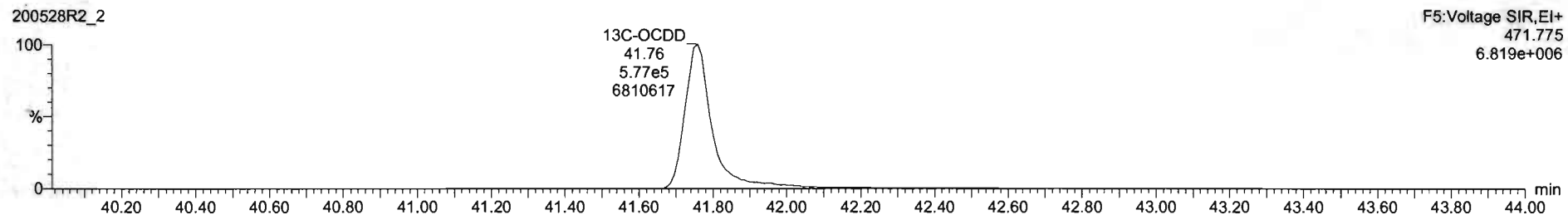
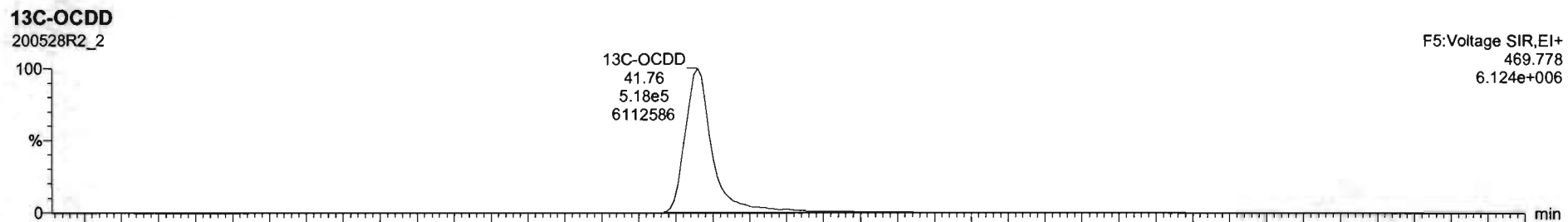
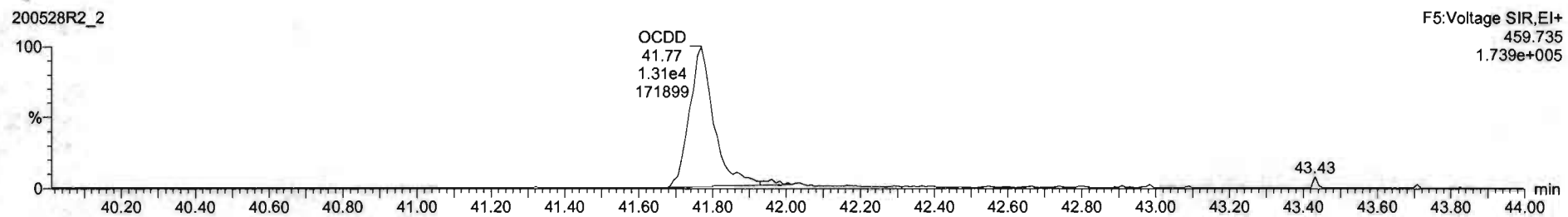
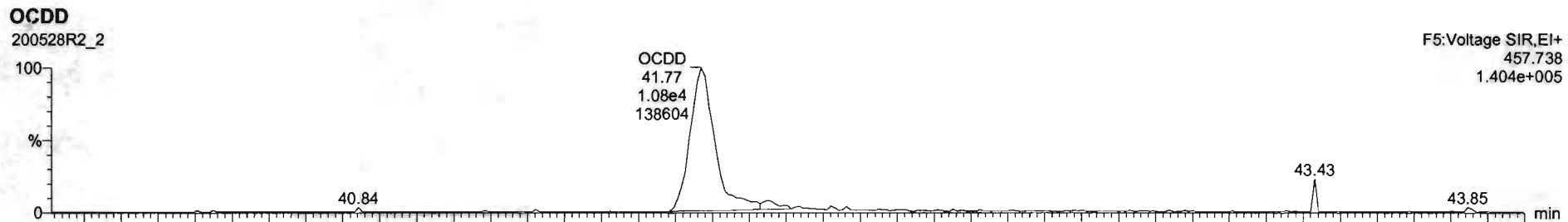
200528R2_2



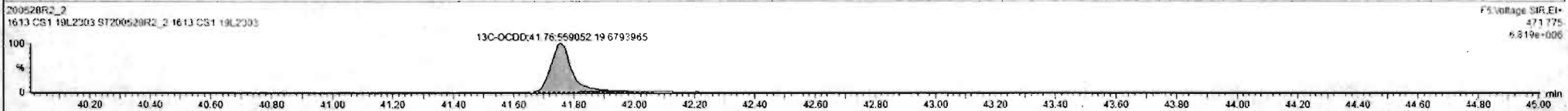
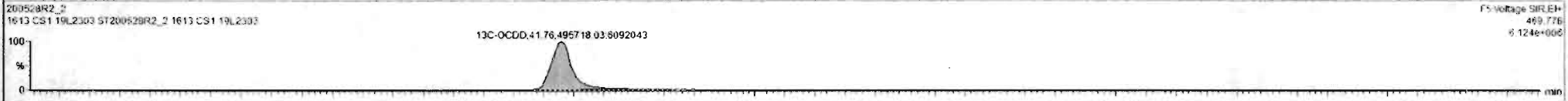
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



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	0.483	97.7	0.0670	0.483
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	0.9348	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	88.7	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	6.81e5	1.27	NO	1.0187	1.000	34.95	1.017	87.7	87.7	0.140	

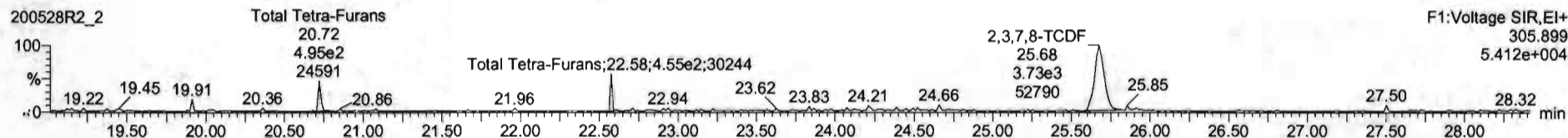
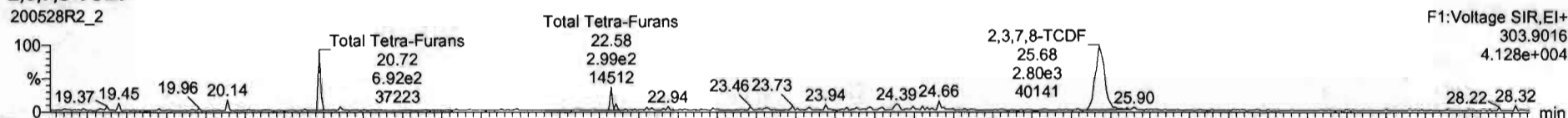


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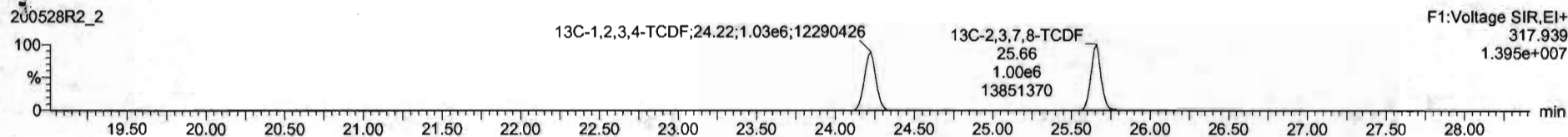
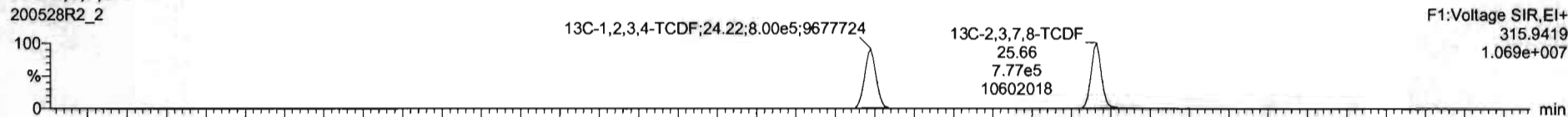
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

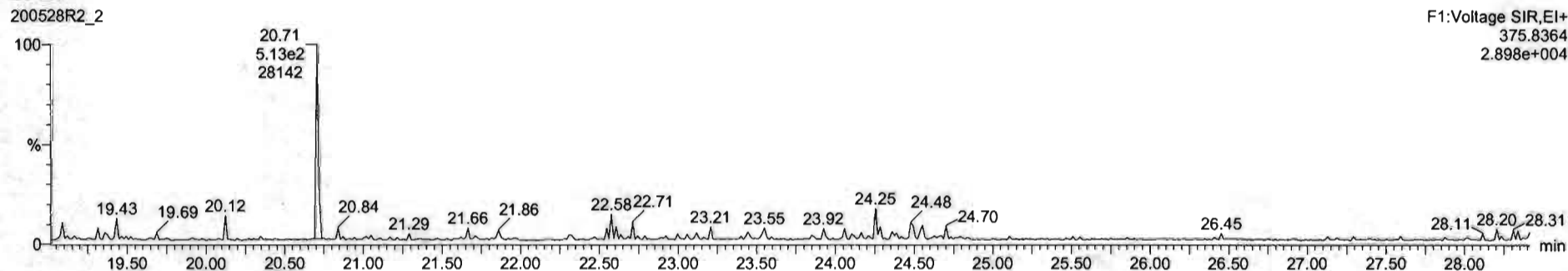
2,3,7,8-TCDF



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



DPE1



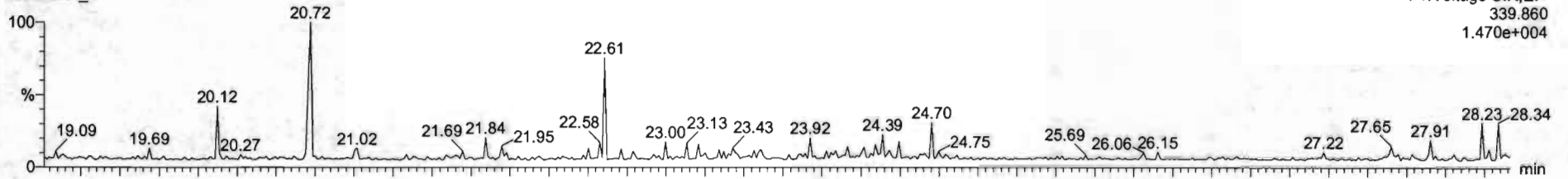
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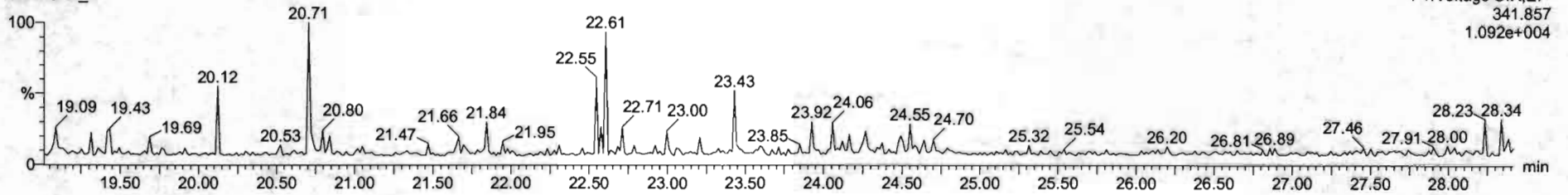
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1st Func. Penta-Furans

200528R2_2

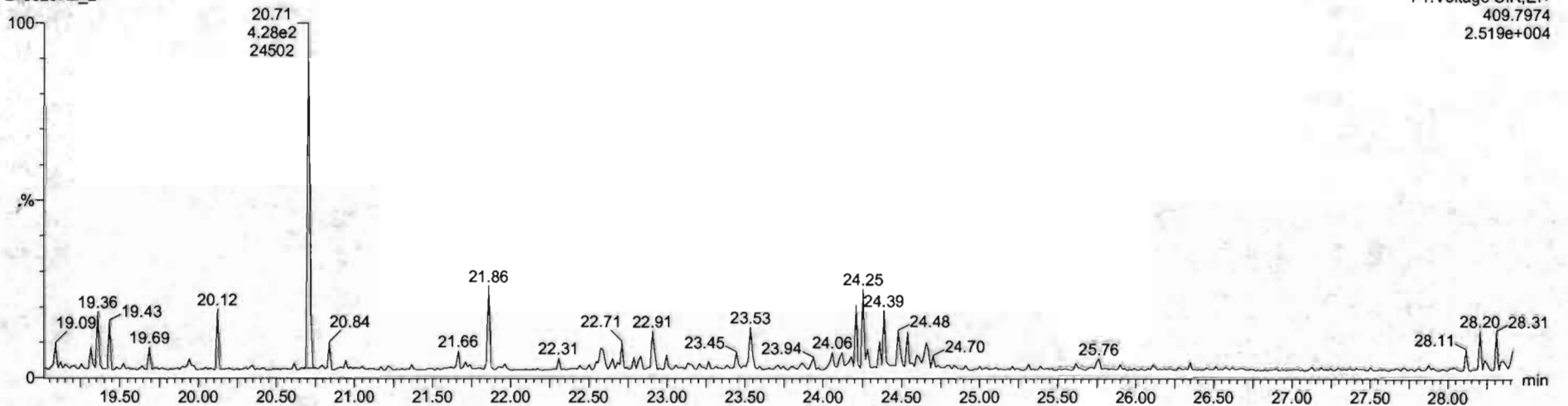


200528R2_2



DPE6

200528R2_2



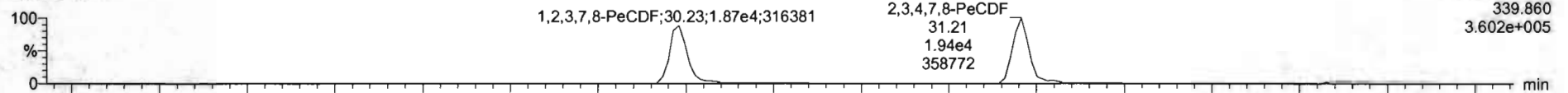
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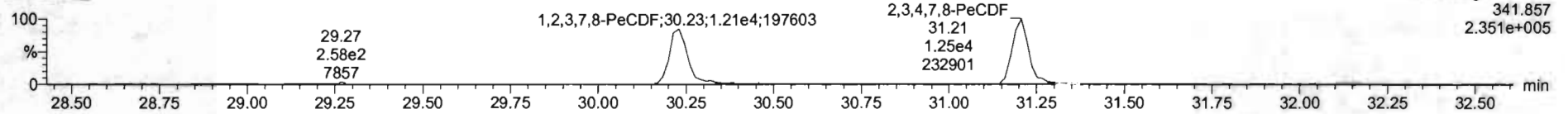
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1,2,3,7,8-PeCDF

200528R2_2

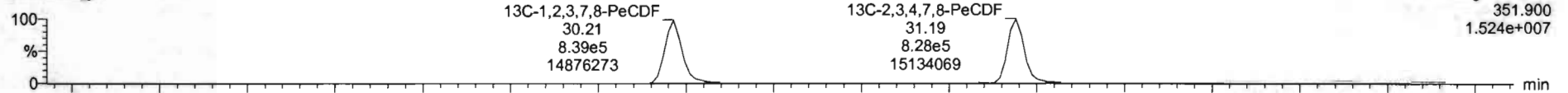


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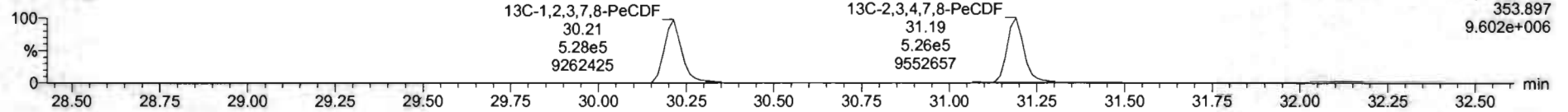


13C-1,2,3,7,8-PeCDF

200528R2_2

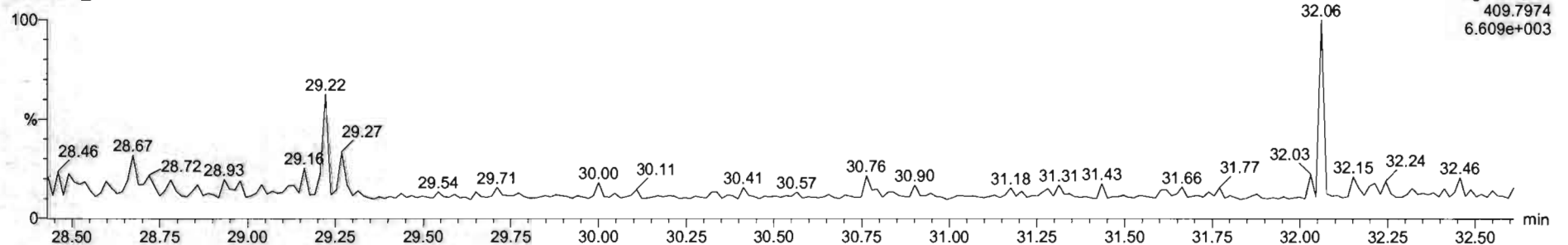


200528R2_2



DPE2

200528R2_2



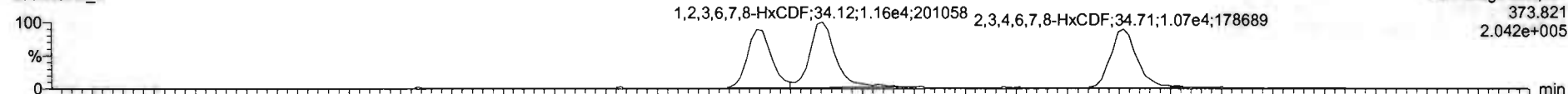
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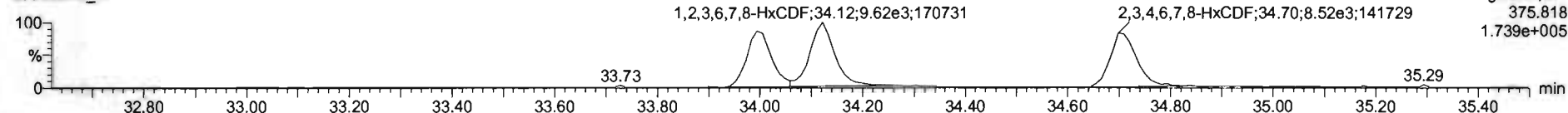
1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
373.821
2.042e+005

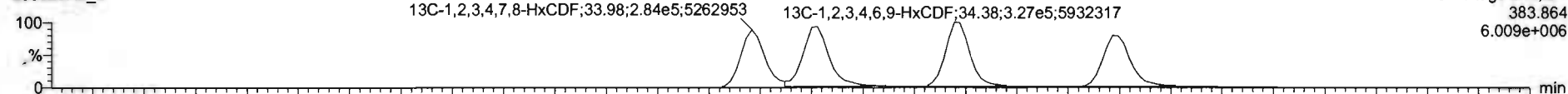
200528R2_2



F3: Voltage SIR, EI+
375.818
1.739e+005

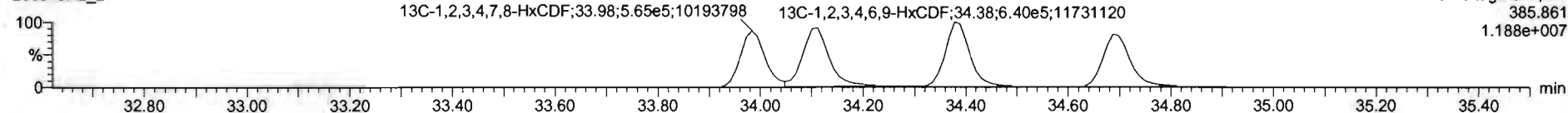
13C-1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
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6.009e+006

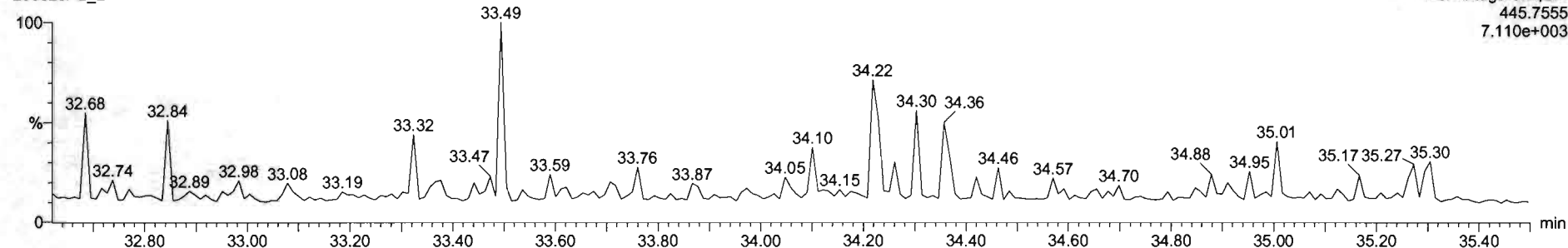
200528R2_2



F3: Voltage SIR, EI+
385.861
1.188e+007

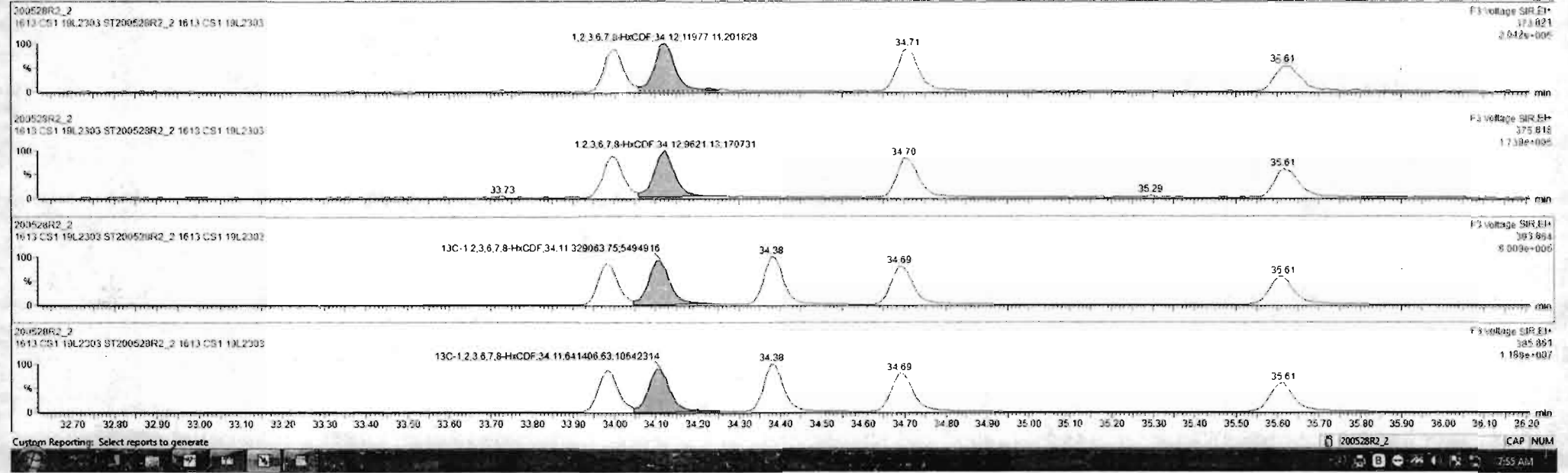
DPE3

200528R2_2

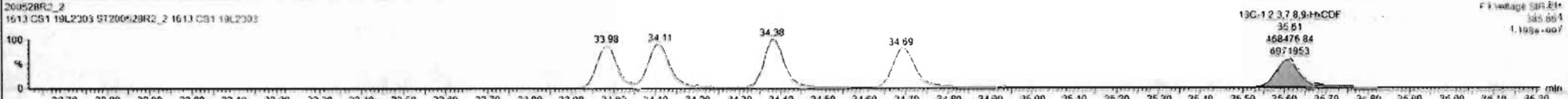
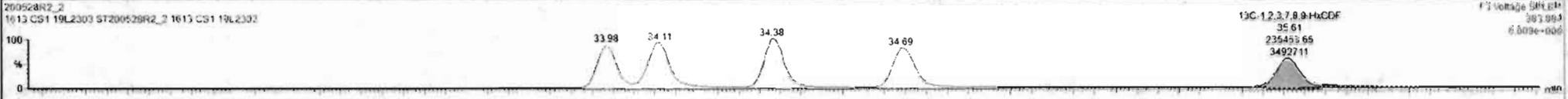


F3: Voltage SIR, EI+
445.7555
7.110e+003

#	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	0.8969	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	0.8939	1.000	36.51	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9136	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	



#	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	0.8565	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	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9136	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	0.8565	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	0.0526	
19	13C-1,2,3,7,8-PeCDD	9.36e5	0.83	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	



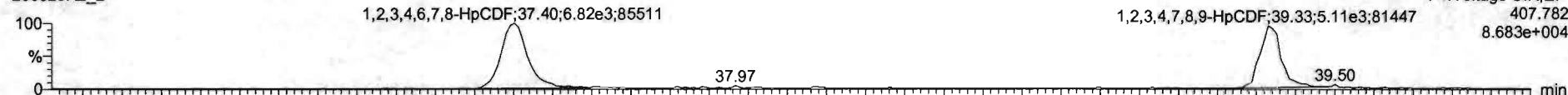
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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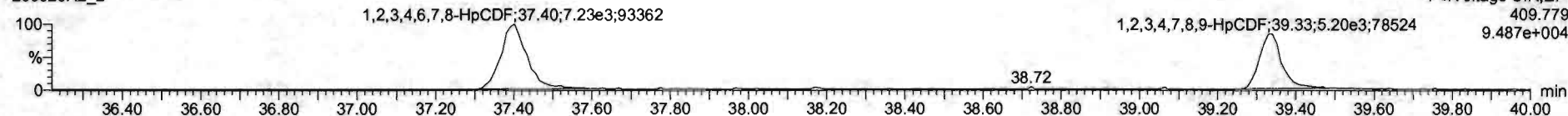
1,2,3,4,6,7,8-HpCDF

200528R2_2



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407.782
8.683e+004

200528R2_2



F4:Voltage SIR,EI+
409.779
9.487e+004

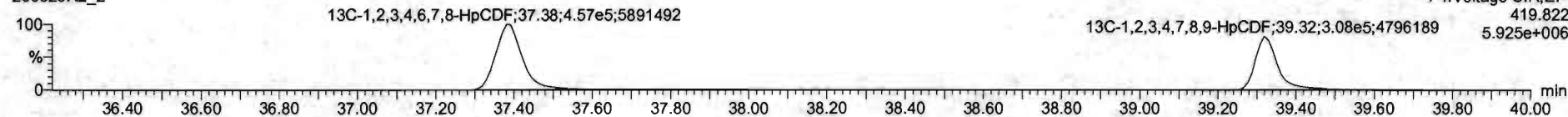
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200528R2_2



F4:Voltage SIR,EI+
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2.595e+006

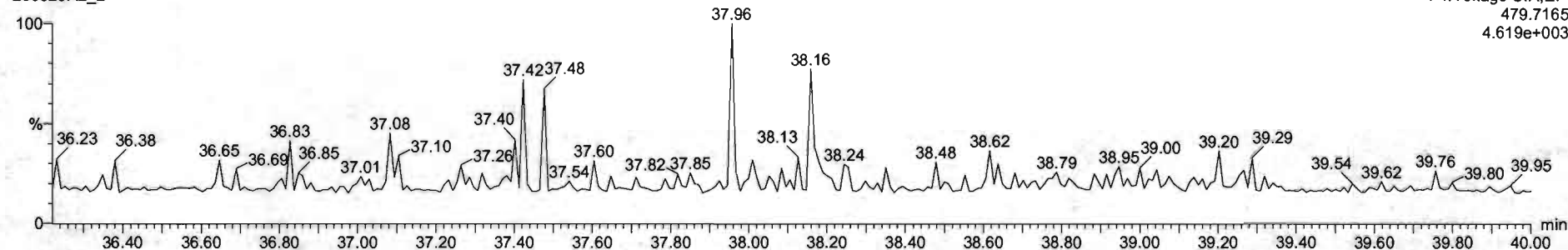
200528R2_2



F4:Voltage SIR,EI+
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DPE4

200528R2_2



F4:Voltage SIR,EI+
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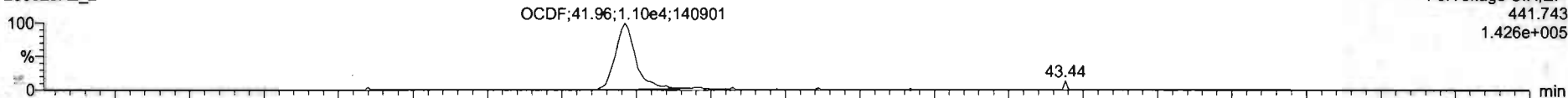
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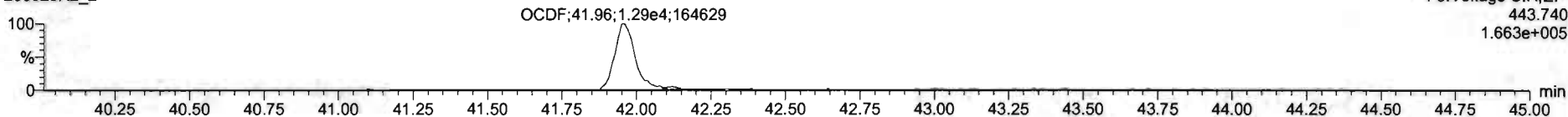
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OCDF

200528R2_2

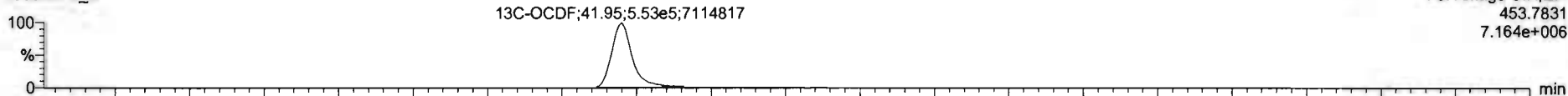


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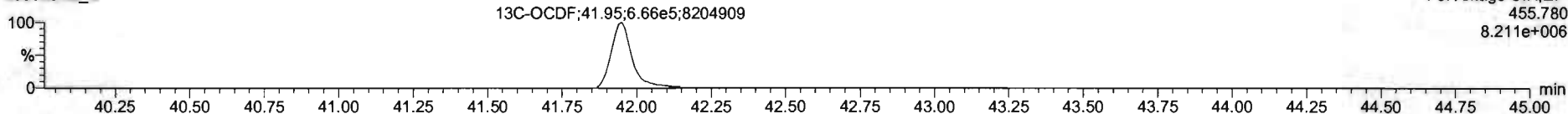


13C-OCDF

200528R2_2

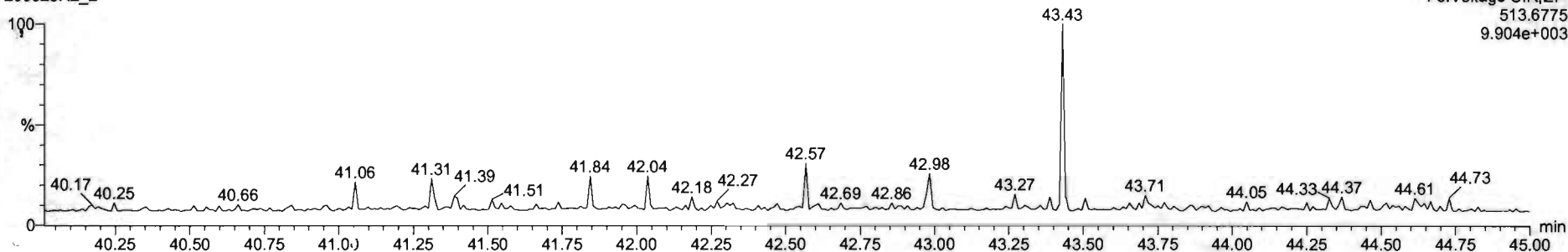


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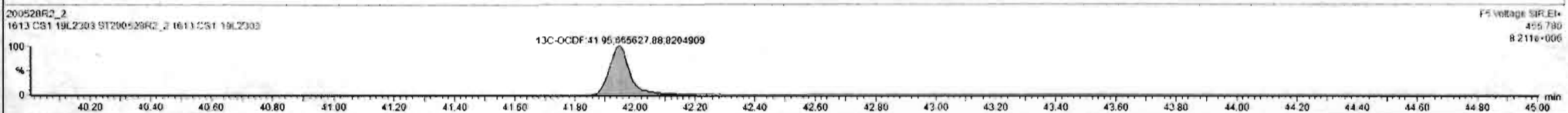


DPE5

200528R2_2



Name	Resp	RA	nly	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	

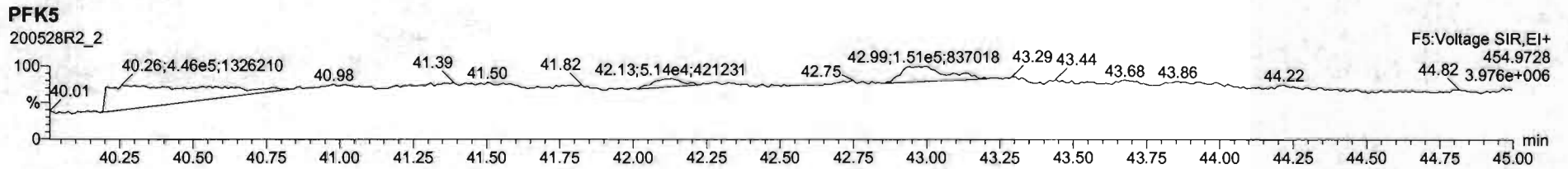
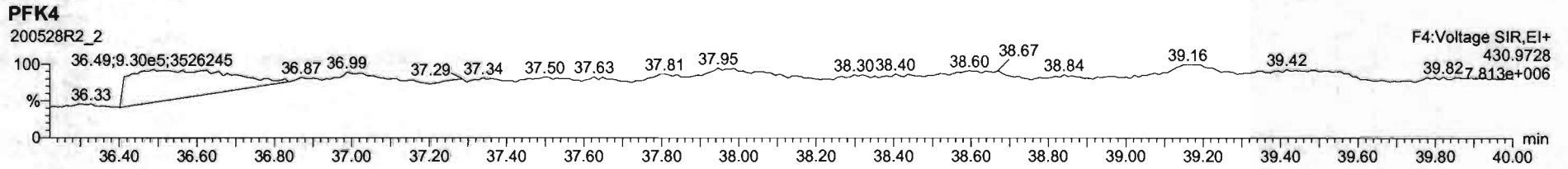
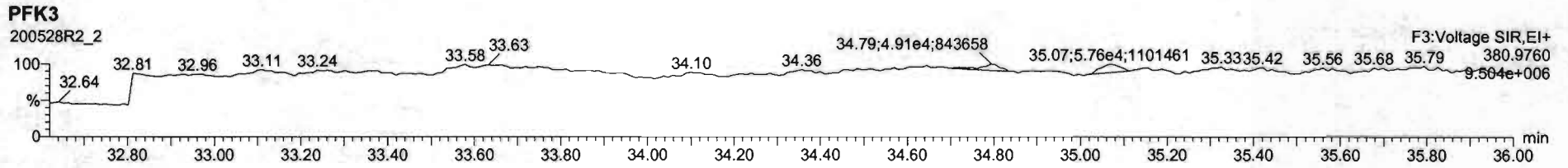
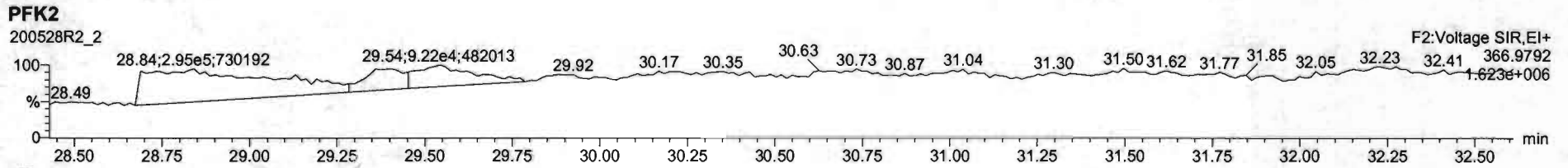
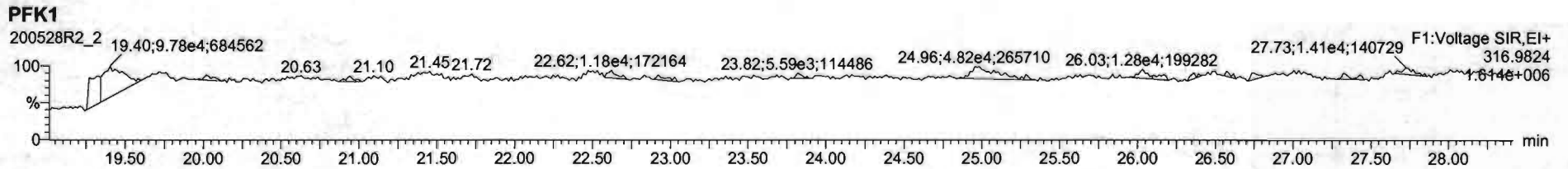


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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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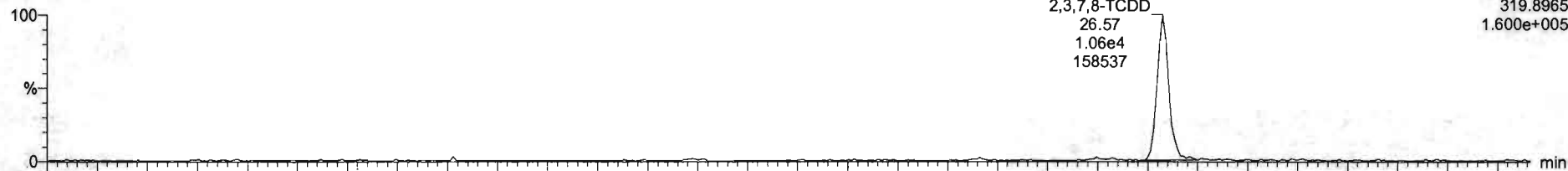
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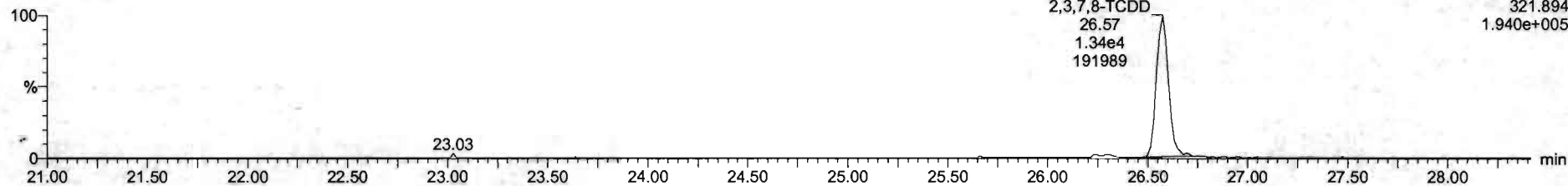
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2,3,7,8-TCDD

200528R2_3

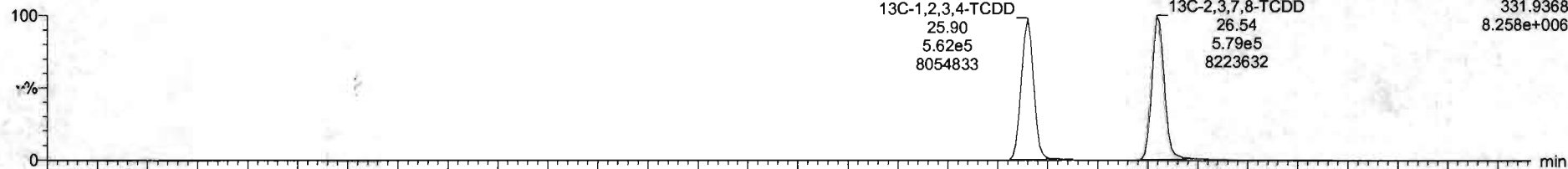


200528R2_3

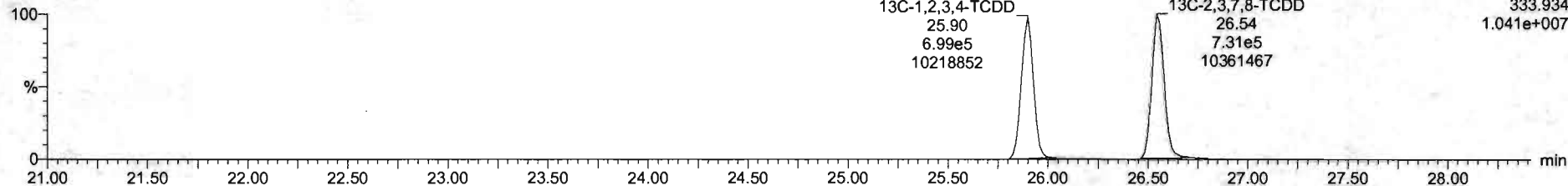


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200528R2_3



200528R2_3



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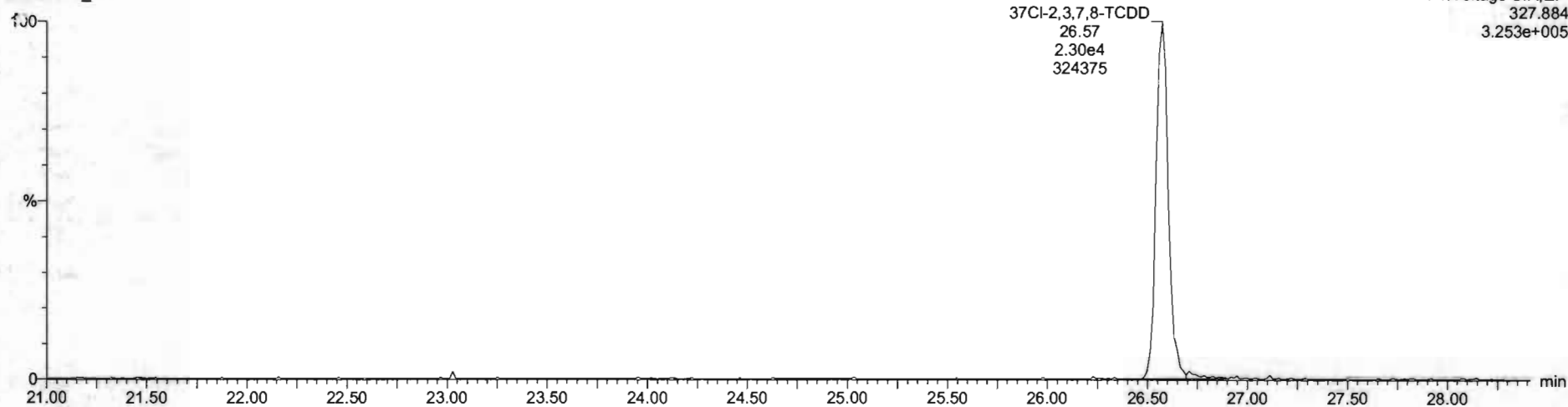
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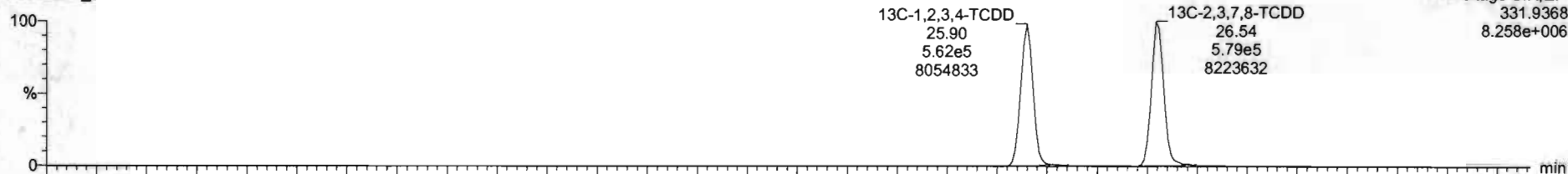
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200528R2_3

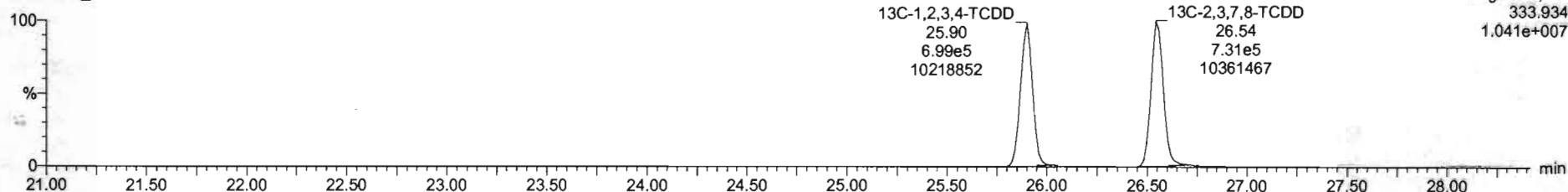


13C-1,2,3,4-TCDD

200528R2_3



200528R2_3



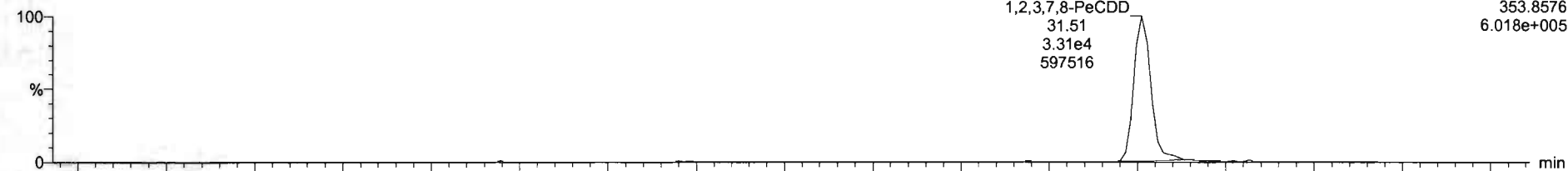
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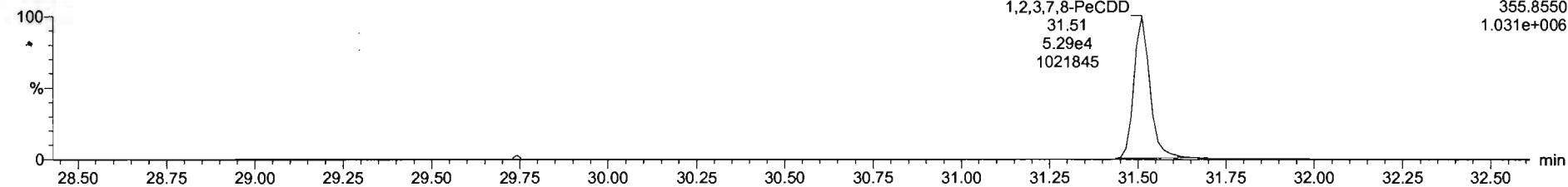
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1,2,3,7,8-PeCDD

200528R2_3

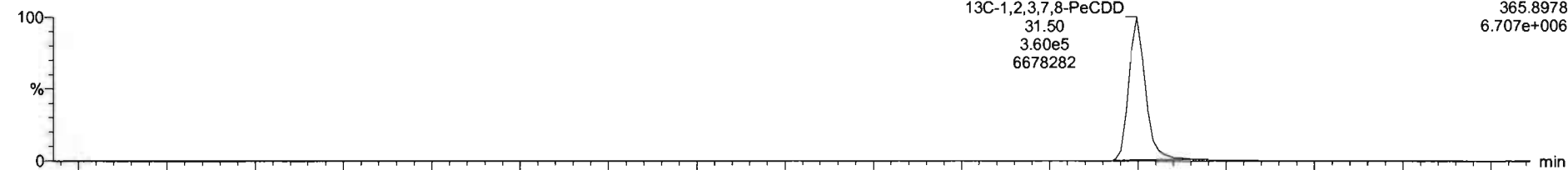


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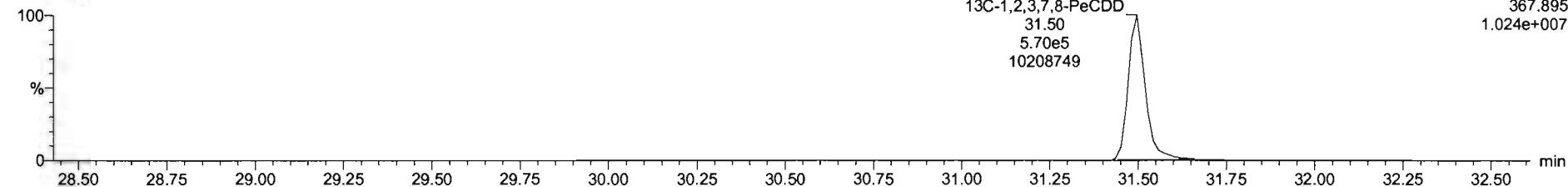


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200528R2_3



200528R2_3



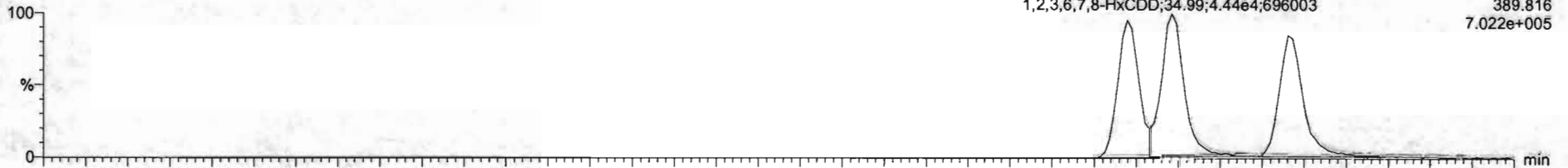
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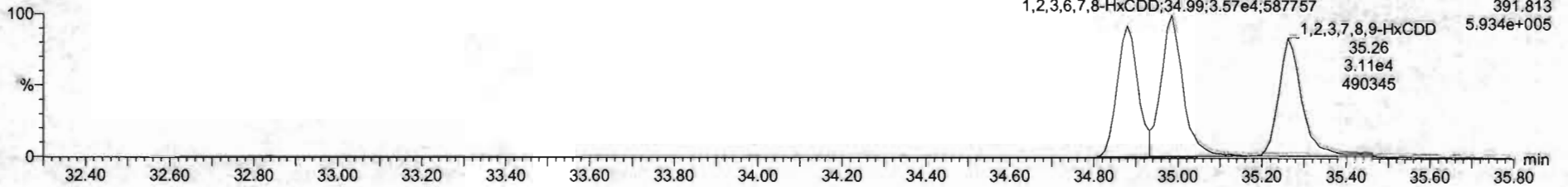
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1,2,3,4,7,8-HxCDD

200528R2_3

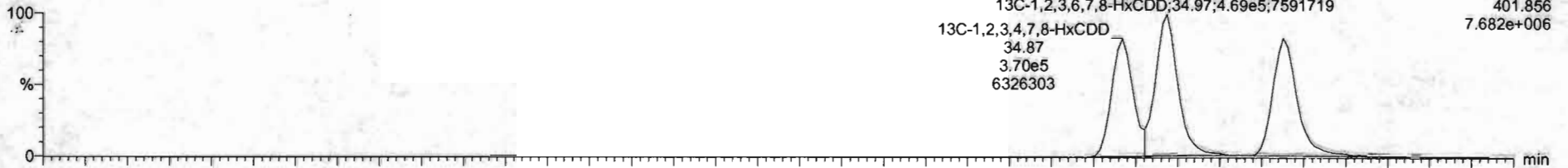


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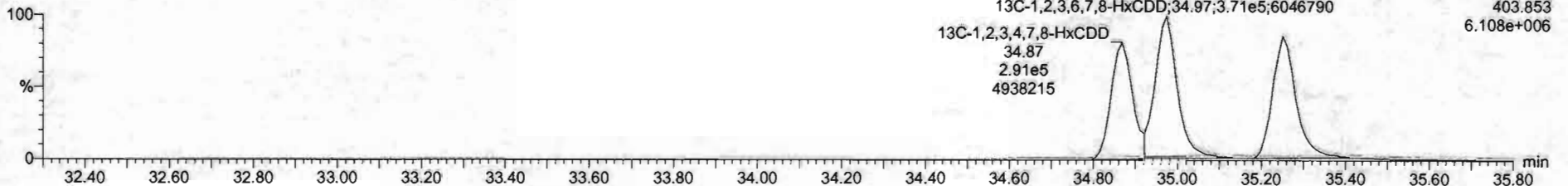


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200528R2_3



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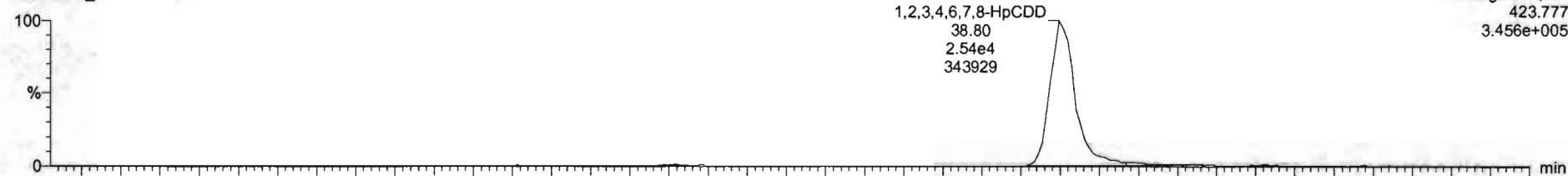
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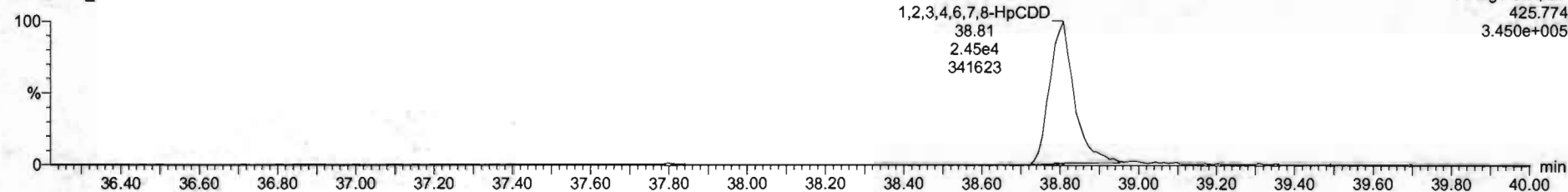
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1,2,3,4,6,7,8-HpCDD

200528R2_3

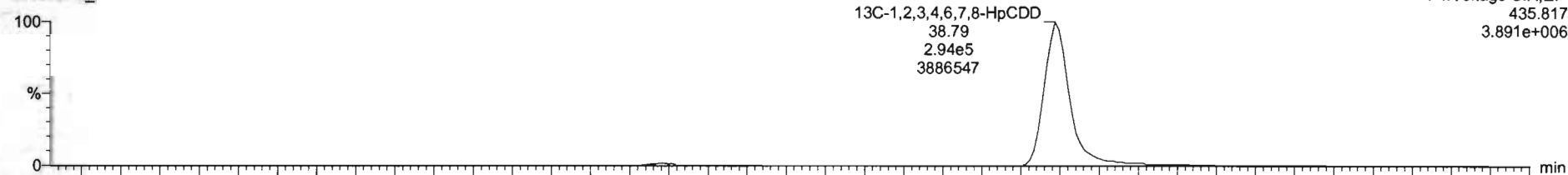


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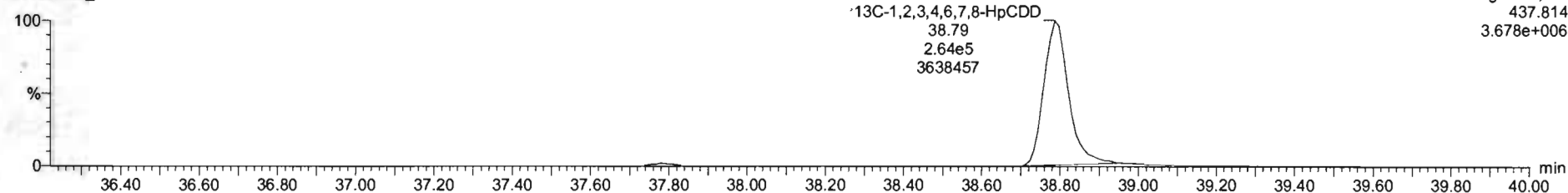


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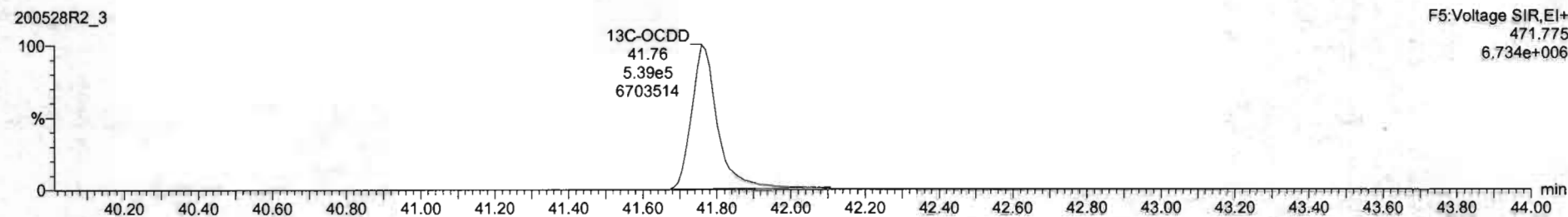
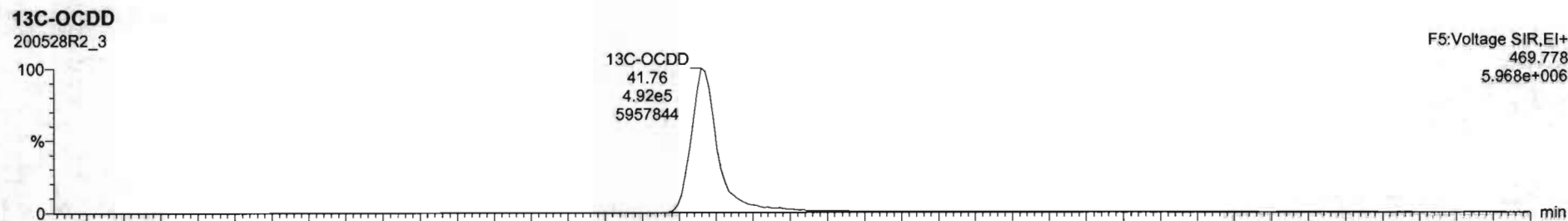
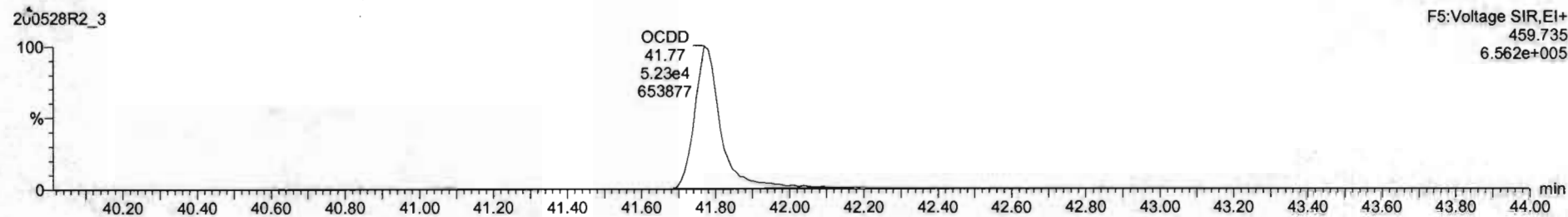
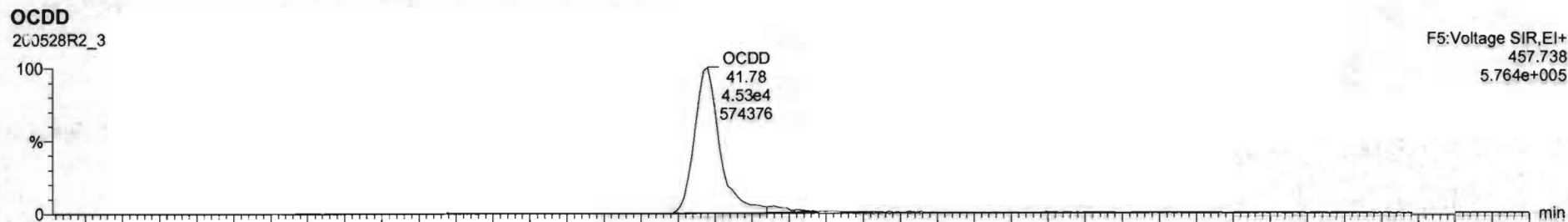
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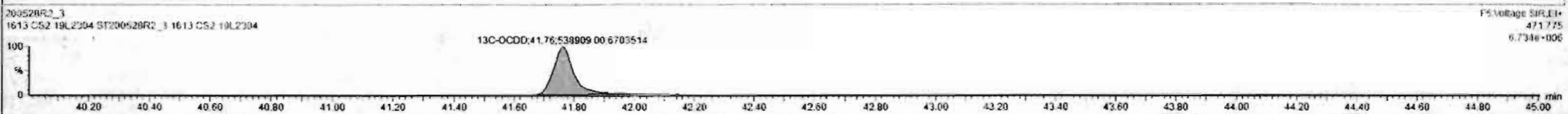
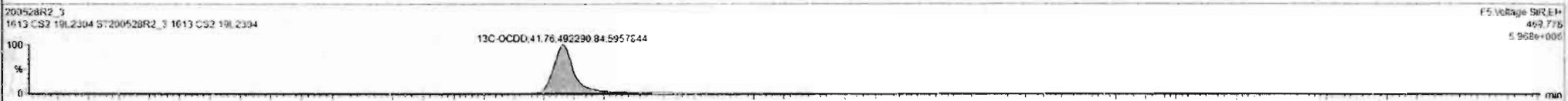
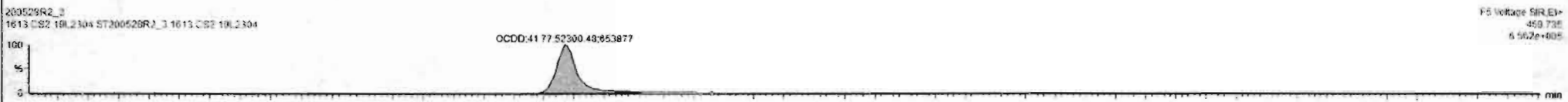
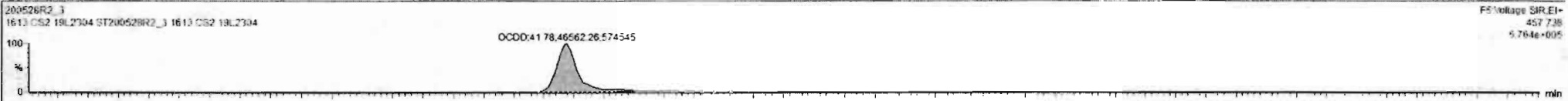
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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



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	38.50	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	26.88	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	0.0860	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	



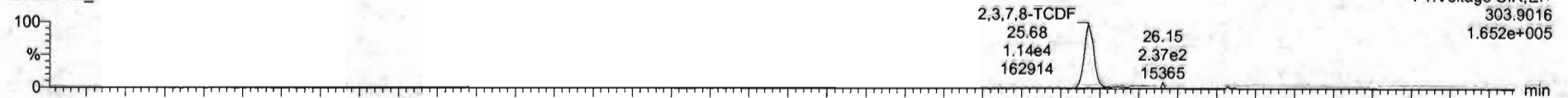
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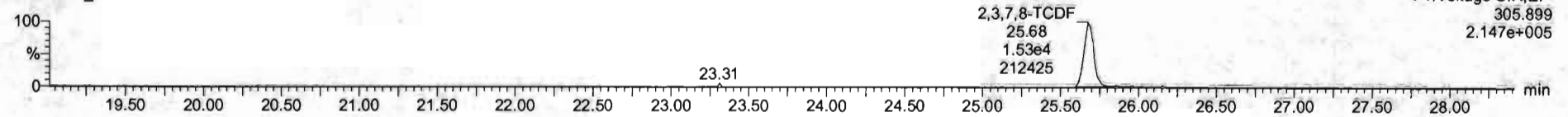
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2,3,7,8-TCDF

200528R2_3

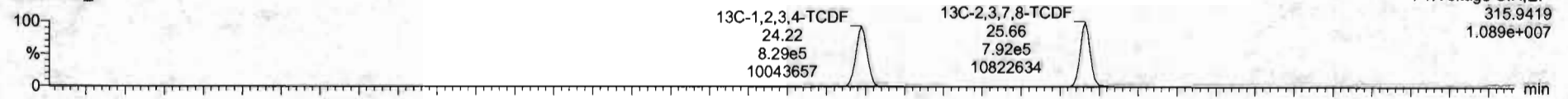


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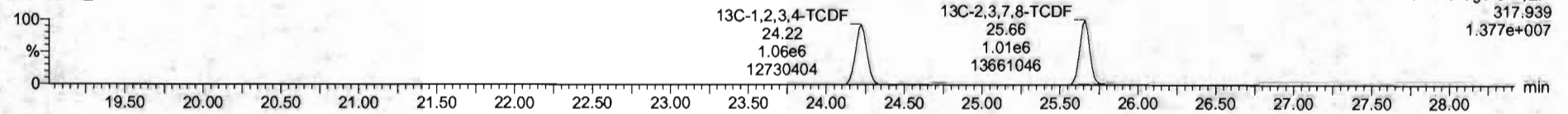


13C-2,3,7,8-TCDF

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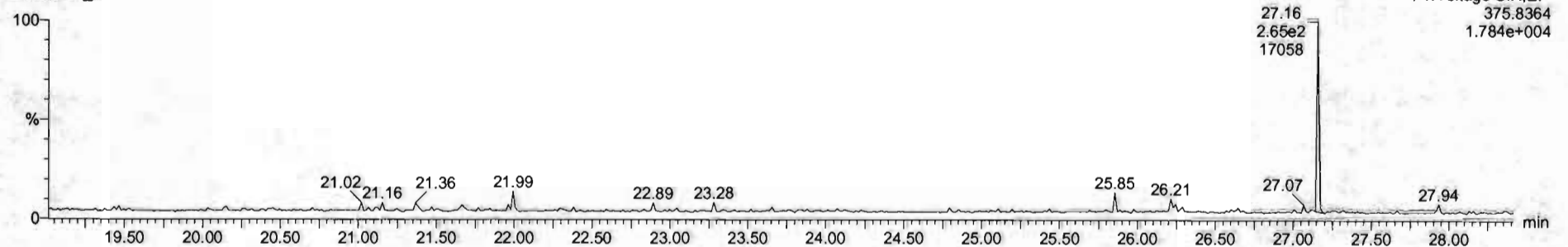


200528R2_3



DPE1

200528R2_3



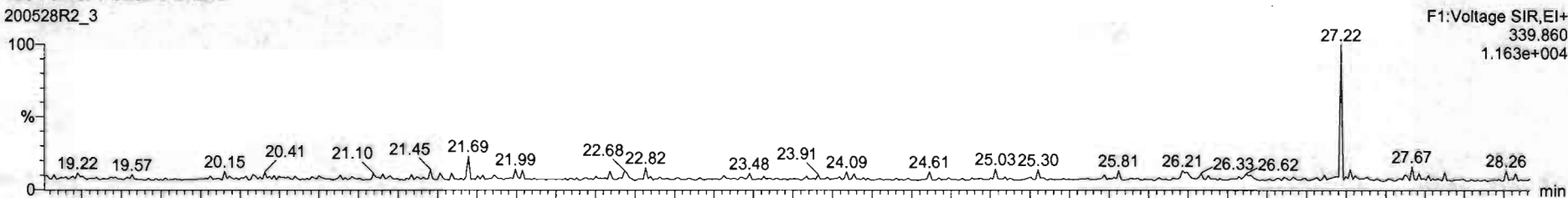
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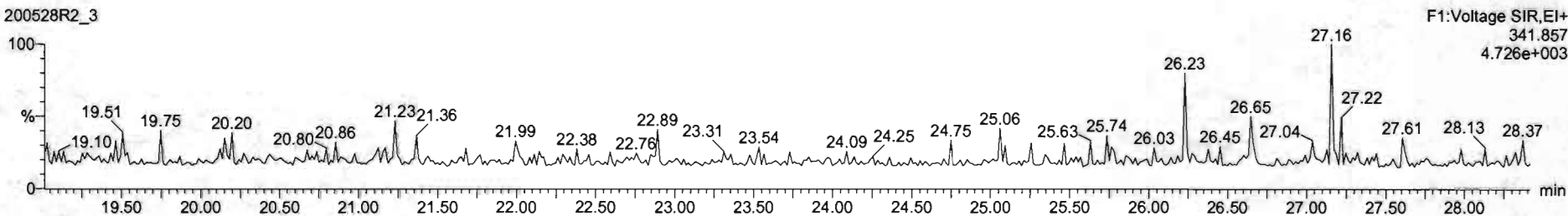
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200528R2_3

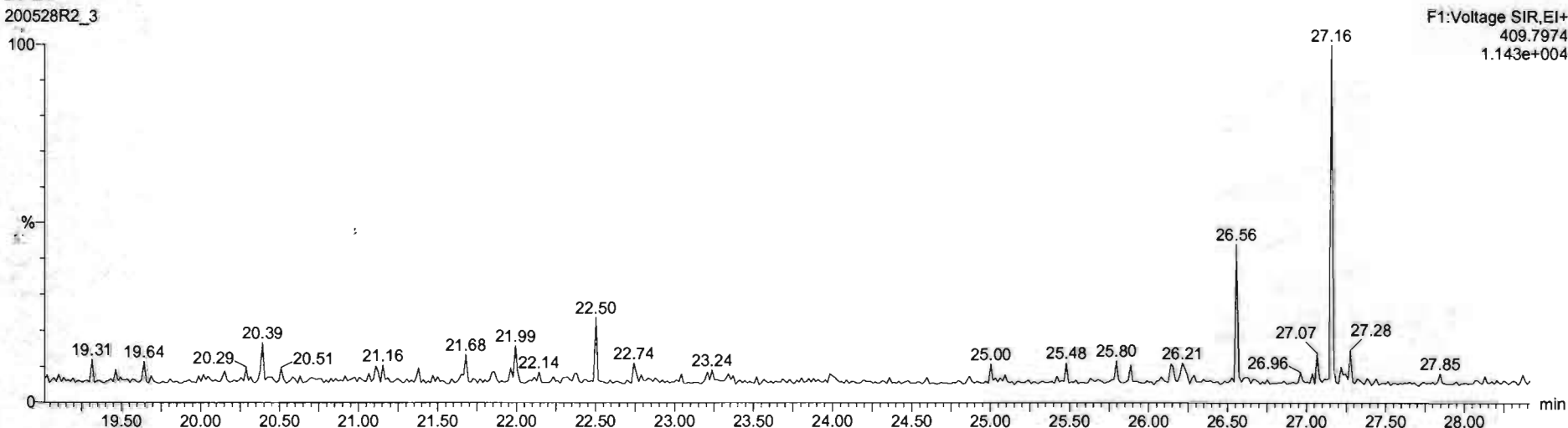


200528R2_3



DPE6

200528R2_3



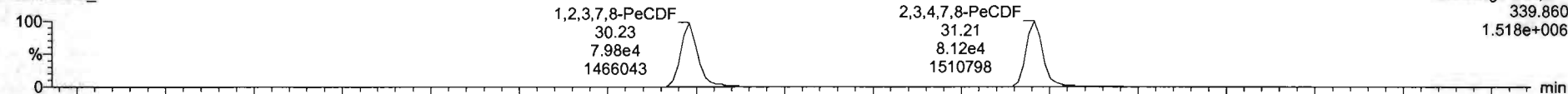
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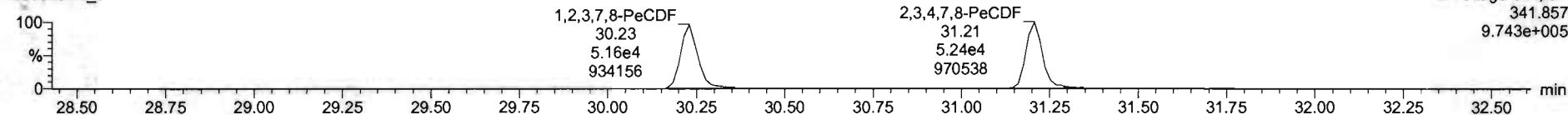
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1,2,3,7,8-PeCDF

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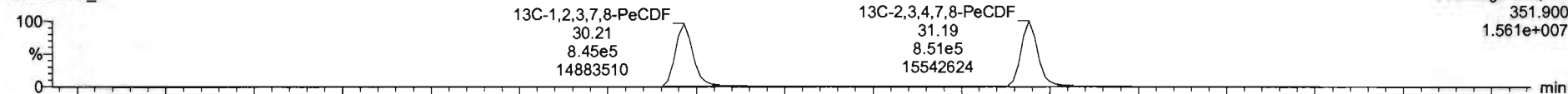


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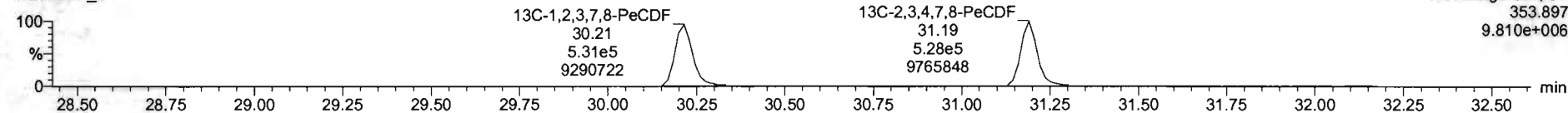


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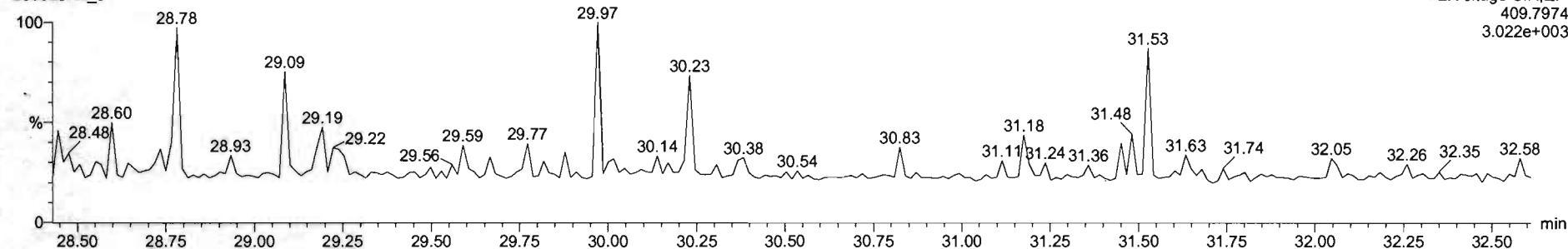


200528R2_3



DPE2

200528R2_3



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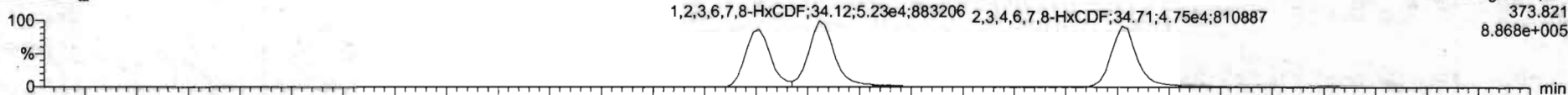
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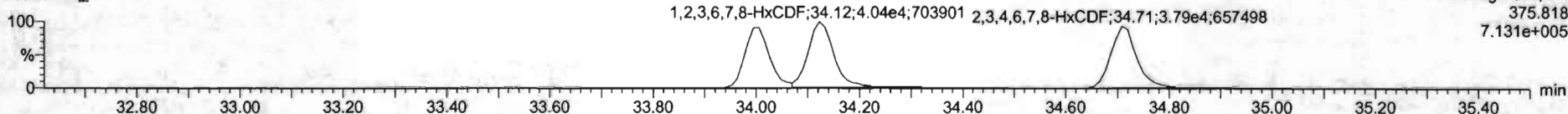
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1,2,3,4,7,8-HxCDF

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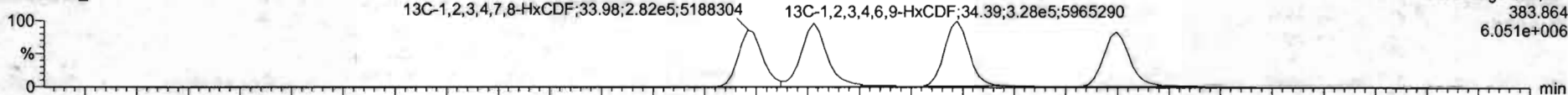


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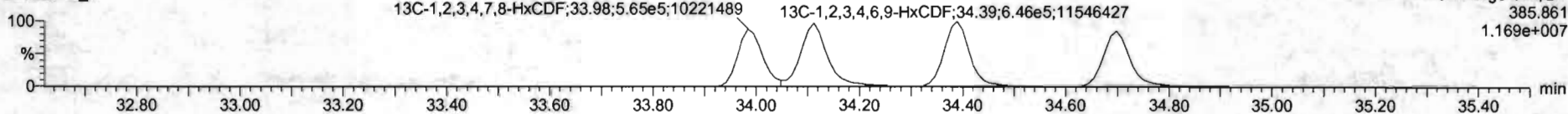


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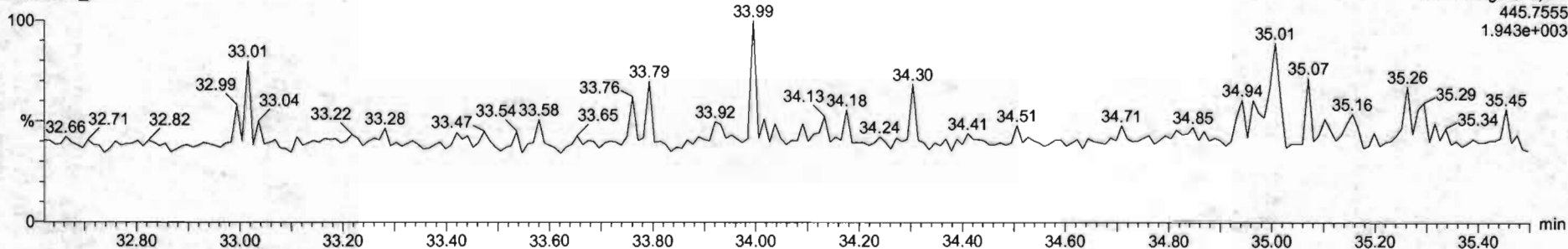


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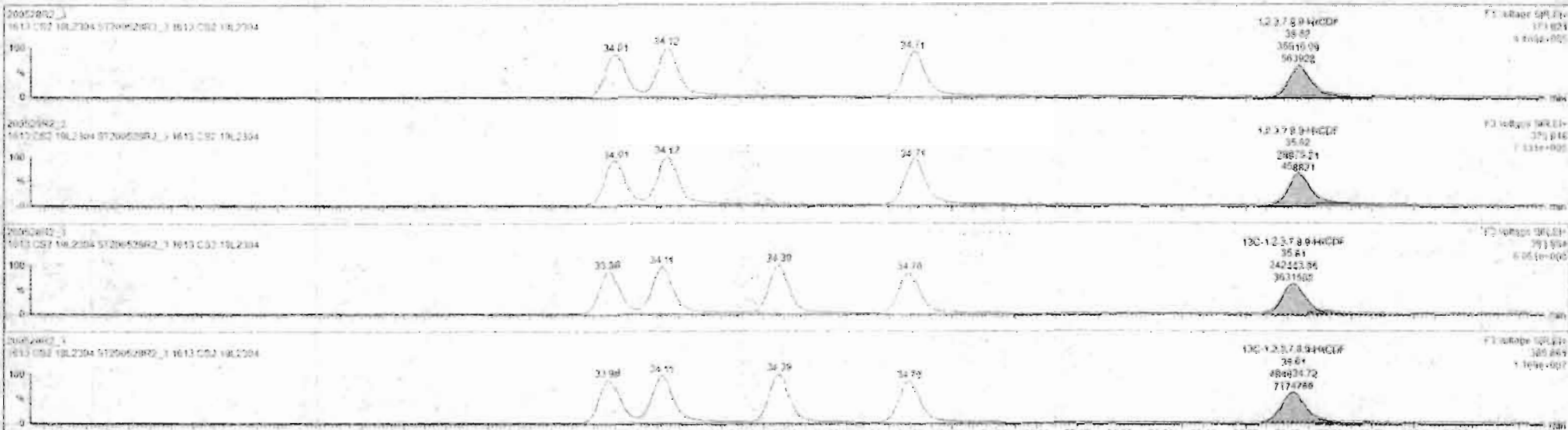


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1	1,2,3,6,7-CDD	2.58e4	0.39	NO	0.8803	1.000	20.07	1.001	2.08	103	0.0070	2.08
2	1,2,3,7,8-PeCDD	5.58e4	0.43	NO	0.9051	1.000	31.51	1.000	10.2	102	0.0400	10.2
3	1,2,3,4,7,8-HxCDD	5.94e4	1.24	NO	1.0334	1.000	34.88	1.000	16.2	102	0.0501	16.2
4	1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8923	1.000	34.95	1.000	16.7	102	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	4.99e4	1.02	NO	0.8839	1.000	35.80	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	1,2,3,4,7,8-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-HxCDF	9.26e4	1.28	NO	0.8852	1.000	34.12	1.000	11.3	103	0.0595	10.3
13	1,2,3,7,8,9-HxCDF	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-HxCDF	6.49e4	1.24	NO	0.9707	1.000	35.62	1.000	10.3	102	0.0961	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	26.04	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-HxCDD	6.61e5	1.27	NO	0.7790	1.000	24.97	1.014	37.0	37.2	0.149	
21	1,2,3,6,7,8-HxCDD	6.19e5	1.38	NO	1.0167	1.000	24.97	1.017	64.7	64.7	0.146	





#	Name	Resp	ISA	Qty	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	0.0078	2.01
2	1,2,3,7,8-PeCDD	5.55e4	0.82	NO	0.9041	1.000	31.21	1.002	10.2	102	0.0430	12.2
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	16.2
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	16.7
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	18.2
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	16.4
7	CDD	3.89e4	0.89	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	1.97
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	16.2
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	16.4
11	1,2,3,4,7,8-HpCDF	7.91e4	1.22	NO	0.8545	1.000	34.01	1.001	10.5	100	0.2683	10.0
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	16.2
13	1,2,3,4,6,7,8-HpCDF	8.51e4	1.21	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	0.9128	1.000	35.38	1.000	10.4	104	0.0601	10.4
17	CDF	3.66e4	0.66	NO	0.8985	1.000	41.96	1.000	25.4	103	0.0963	25.6
18	1,2,3,4,6,7,8-HpCDF	1.31e4	0.79	NO	1.1560	1.000	26.54	1.025	19.0	89.5	0.0663	
19	1,2,3,4,7,8,9-HpCDF	9.29e4	0.83	NO	0.9420	1.000	37.08	1.216	20.0	96.8	0.1231	
20	1,2,3,4,7,8,9-HxCDD	2.61e4	1.27	NO	0.7798	1.000	34.07	1.034	57.0	97.0	0.1591	
21	1,2,3,4,6,7,8-HpCDD	6.20e4	1.26	NO	1.0187	1.000	24.97	1.017	34.7	94.7	0.1451	



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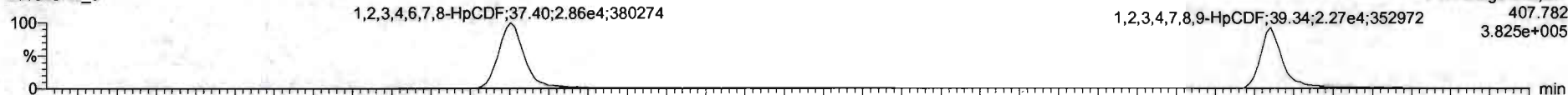
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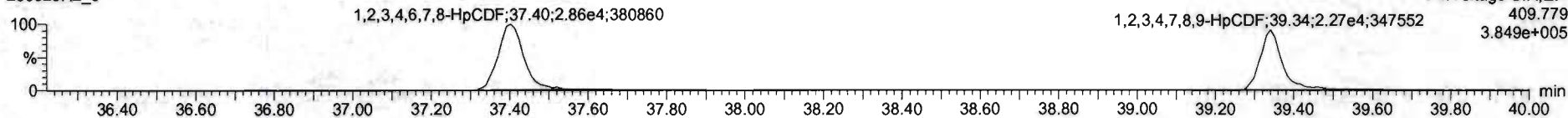
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200528R2_3

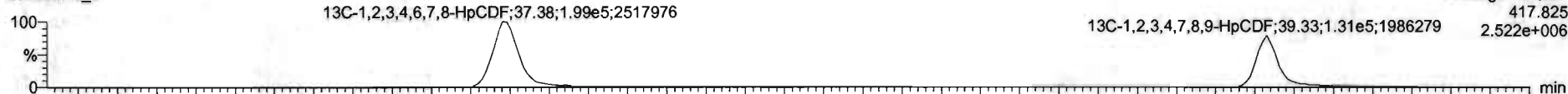


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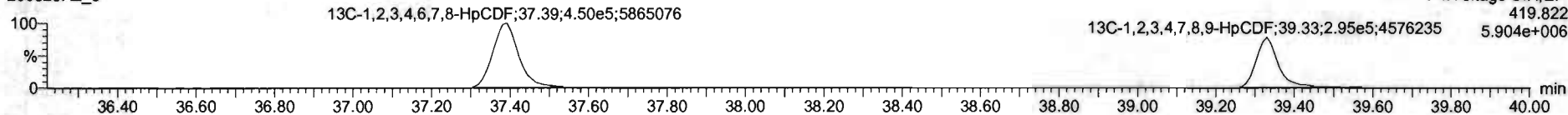


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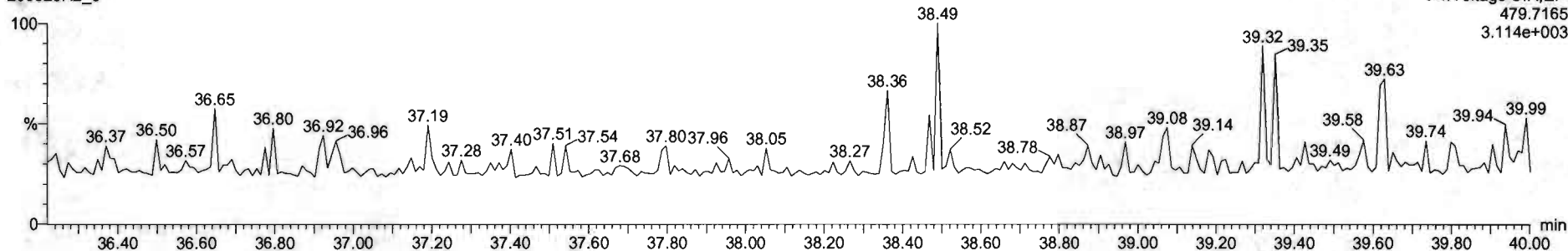


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DPE4

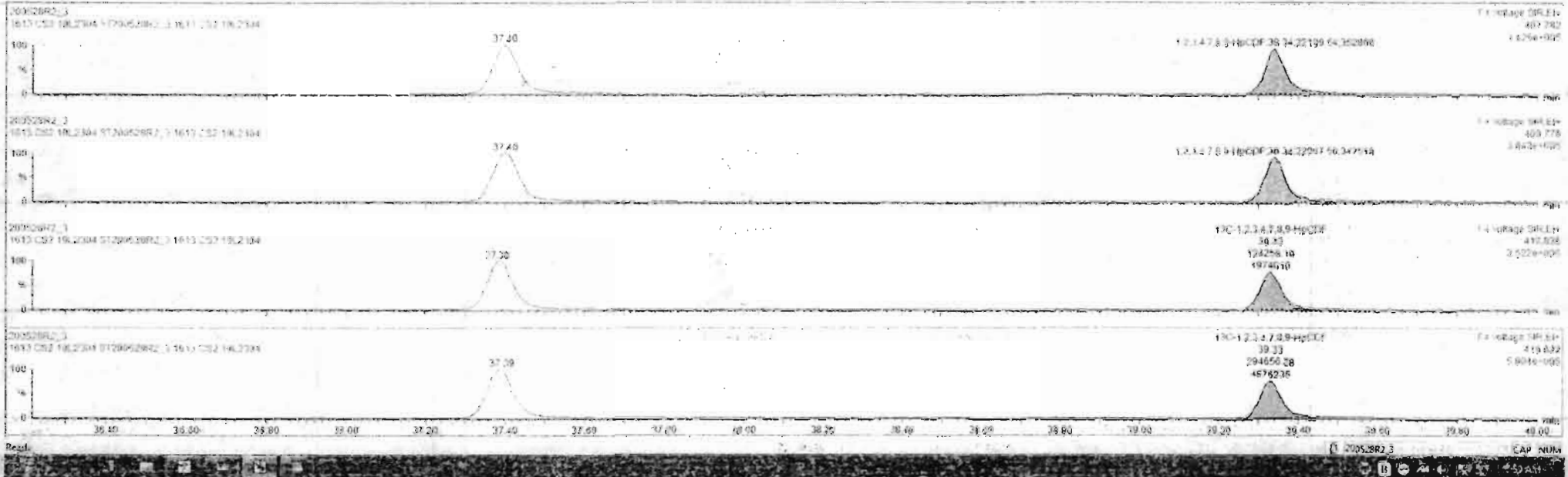
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1613 CS2 19.2304

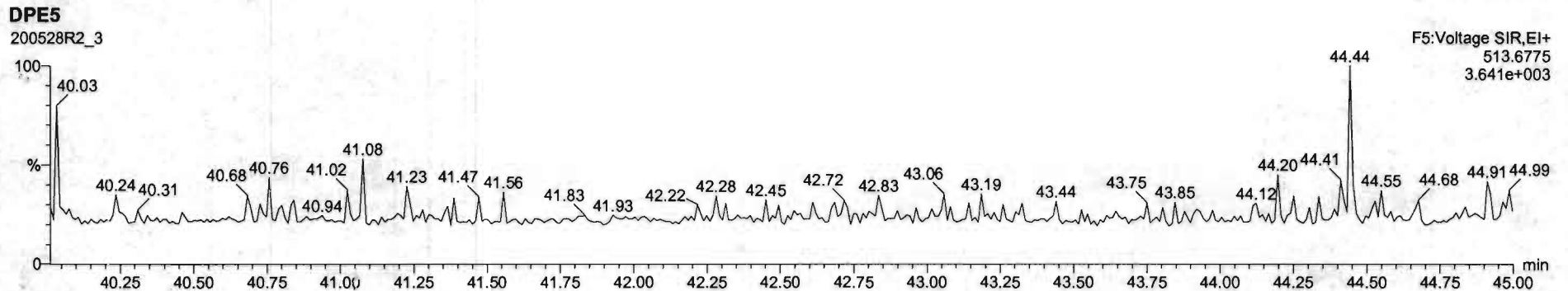
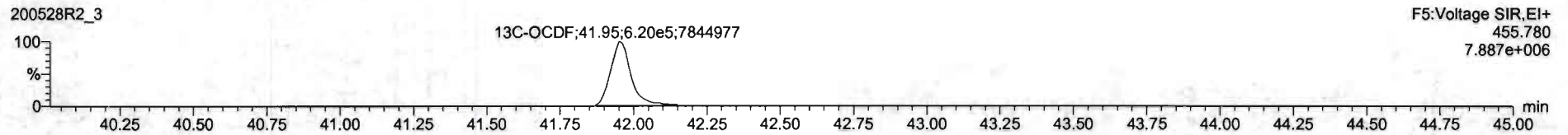
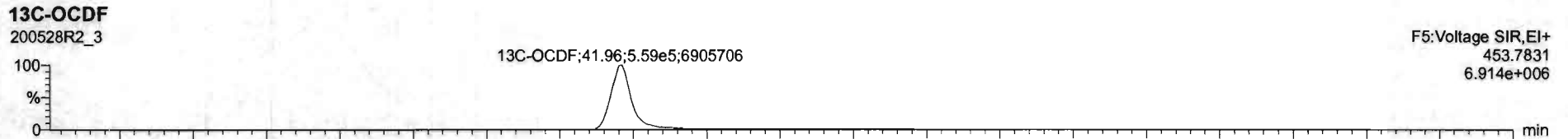
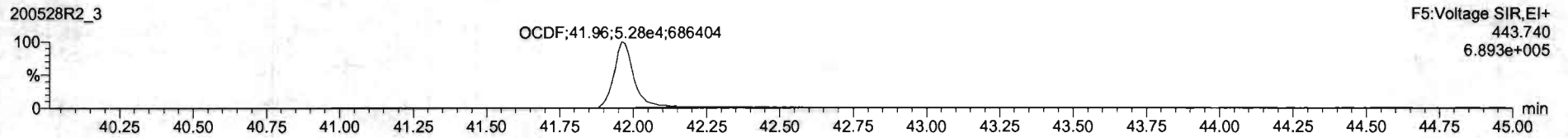
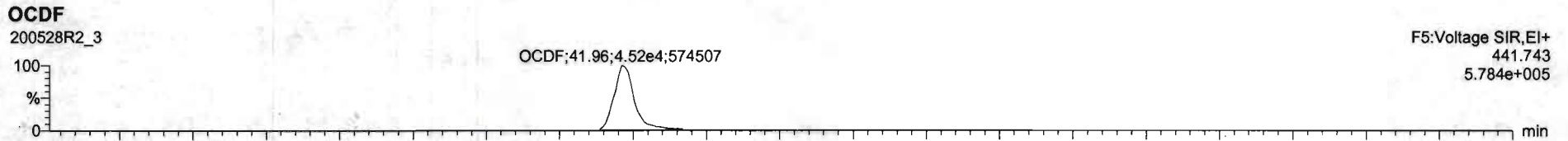
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2	1,2,3,7,8-PeCDF	1.50e4	0.03	NO	0.9091	1.00	31.01	1.00	10.0	107	0.0400	10.2
3	1,2,3,4,7,8-HxCDF	8.90e3	1.24	NO	1.0334	1.00	34.05	1.00	10.0	107	0.0501	10.2
4	1,2,3,6,7,8-HxCDF	6.01e3	1.04	NO	0.8623	1.00	34.36	1.00	10.0	107	0.0559	10.2
5	1,2,3,7,8-HxCDF	2.11e4	1.26	NO	0.8809	1.00	35.26	1.00	10.0	107	0.0579	10.3
6	1,2,3,4,6,7,8-HpCDF	1.90e4	1.02	NO	0.8639	1.00	35.90	1.00	10.0	104	0.0747	10.4
7	OCDF	0.59e4	0.09	NO	0.9126	1.00	31.75	1.00	21.0	105	0.109	21.0
8	2,3,7,8-TCDF	2.72e4	0.24	NO	0.7510	1.00	25.00	1.00	1.97	96.8	0.0121	1.97
9	1,2,3,7,8-PeCDF	1.31e4	1.90	NO	0.6932	1.00	30.23	1.00	10.0	107	0.0517	10.0
10	1,2,3,4,7,8-PeCDF	1.30e4	1.05	NO	0.9140	1.00	31.41	1.00	10.4	104	0.0475	10.4
11	1,2,3,4,7,8-HpCDF	2.91e3	1.02	NO	0.6940	1.00	34.00	1.00	10.0	106	0.0651	10.0
12	1,2,3,6,7,8-HpCDF	1.20e4	1.00	NO	0.9042	1.00	34.12	1.00	10.0	103	0.0595	10.0
13	2,3,4,7,8-HpCDF	8.50e4	1.00	NO	0.9341	1.00	34.71	1.00	10.0	105	0.0640	10.0
14	1,2,3,7,8-HpCDF	6.40e3	1.24	NO	0.8707	1.00	31.92	1.00	10.0	103	0.0601	10.0
15	1,2,3,4,6,7,8-HpCDF	1.72e4	1.00	NO	0.9234	1.00	37.40	1.00	10.0	101	0.0620	10.0
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	1.0120	1.00	39.34	1.00	10.0	104	0.0681	10.0
17	OCDF	9.80e3	0.00	NO	0.9060	1.00	41.30	1.00	26.6	103	0.0847	26.6
18	1,2,3,4,6,7,8,9-HpCDF	1.31e4	0.76	NO	1.1503	1.00	26.34	1.00	50.0	39.0	0.0800	50.0
19	1,2,3,4,7,8-PeCDF	9.30e3	0.03	NO	0.8450	1.00	31.00	1.00	10.0	106	0.123	10.0
20	1,2,3,4,7,8-HpCDF	8.61e3	1.27	NO	0.7790	1.00	34.07	1.00	10.0	104	0.100	10.0
21	1,2,3,4,6,7,8-HpCDF	6.30e3	1.20	NO	1.0107	1.00	34.07	1.00	10.0	104	0.140	10.0



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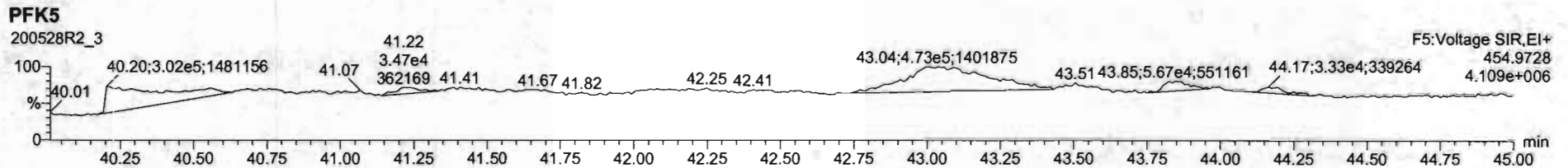
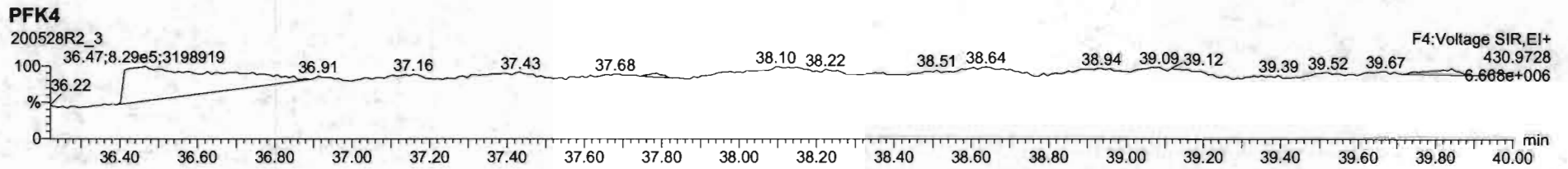
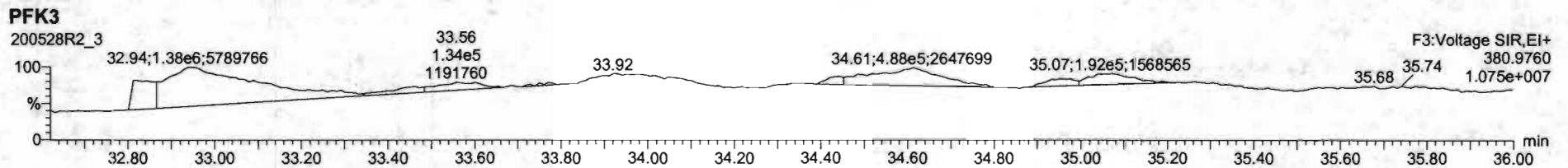
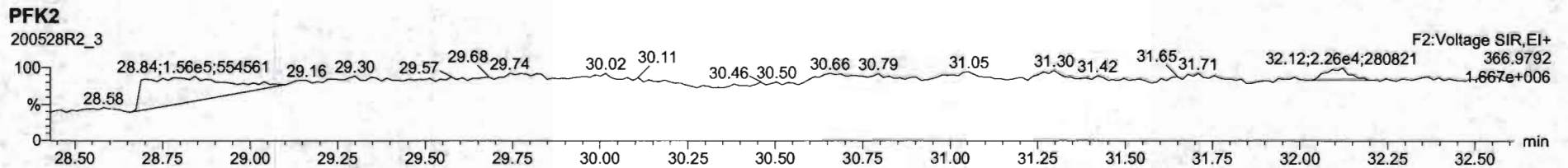
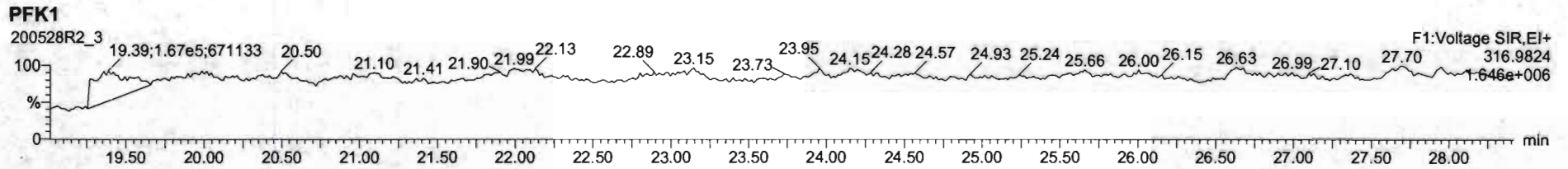


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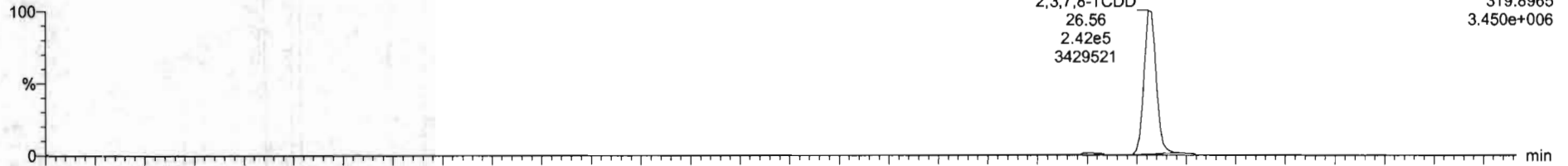
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2,3,7,8-TCDD

200528R2_4

2,3,7,8-TCDD
26.56
2.42e5
3429521

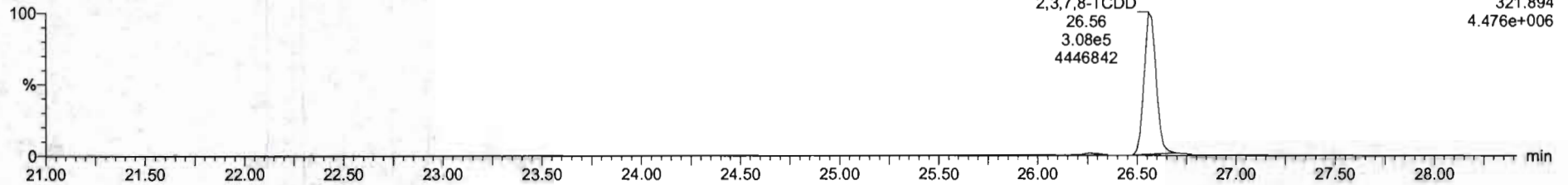
F1:Voltage SIR,EI+
319.8965
3.450e+006



200528R2_4

2,3,7,8-TCDD
26.56
3.08e5
4446842

F1:Voltage SIR,EI+
321.894
4.476e+006



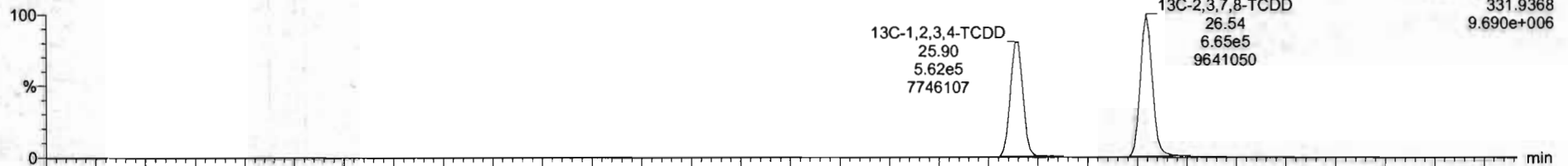
13C-2,3,7,8-TCDD

200528R2_4

13C-1,2,3,4-TCDD
25.90
5.62e5
7746107

13C-2,3,7,8-TCDD
26.54
6.65e5
9641050

F1:Voltage SIR,EI+
331.9368
9.690e+006

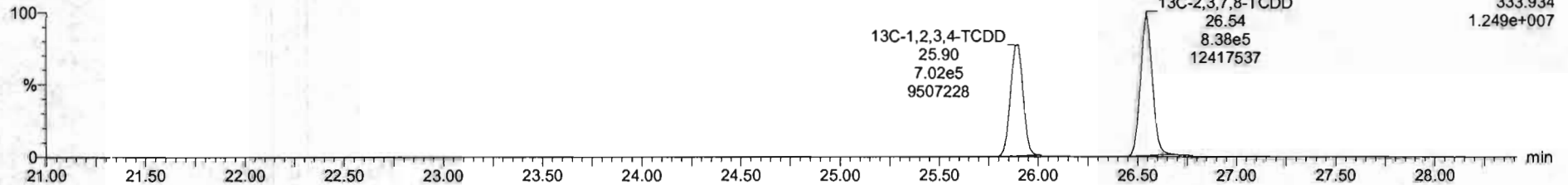


200528R2_4

13C-1,2,3,4-TCDD
25.90
7.02e5
9507228

13C-2,3,7,8-TCDD
26.54
8.38e5
12417537

F1:Voltage SIR,EI+
333.934
1.249e+007



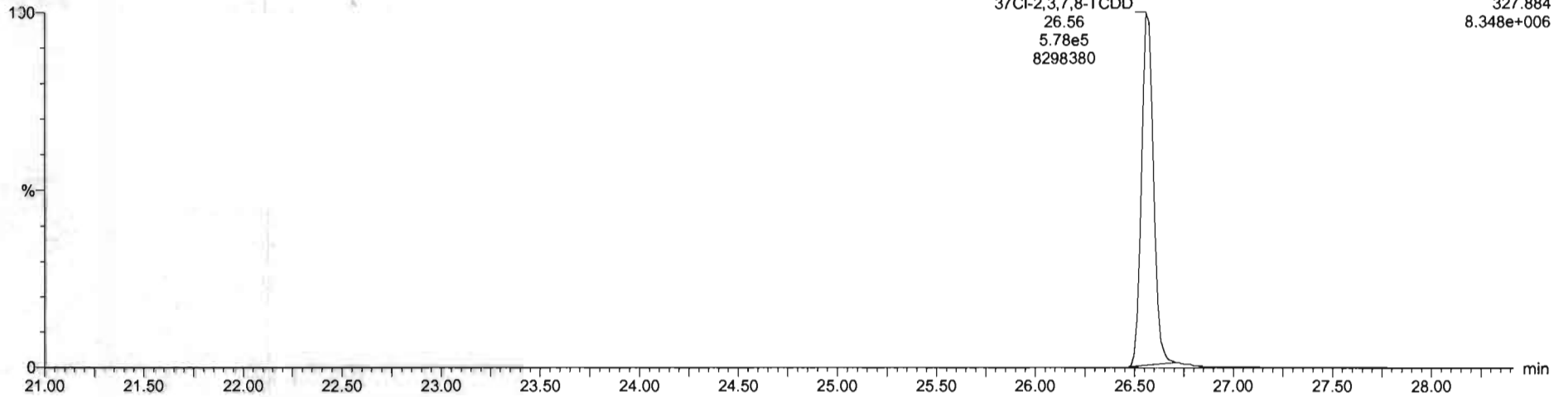
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

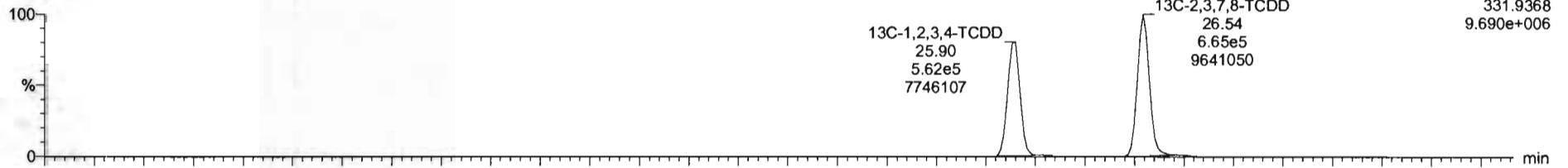
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200528R2_4

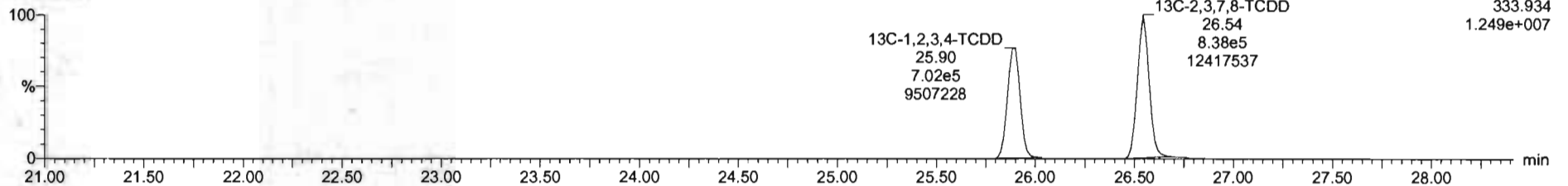


13C-1,2,3,4-TCDD

200528R2_4



200528R2_4



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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

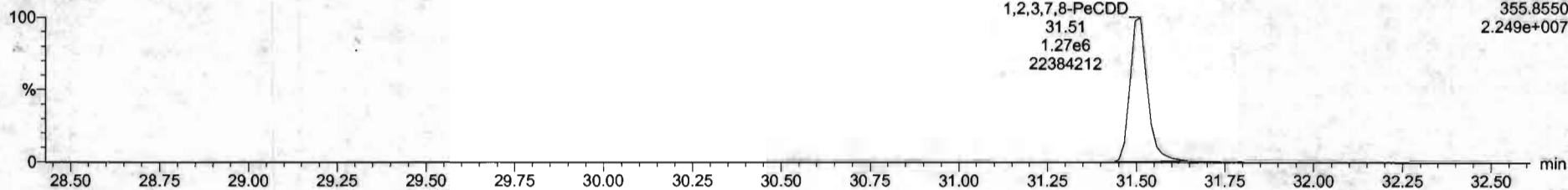
1,2,3,7,8-PeCDD

200528R2_4



F2:Voltage SIR,EI+
353.8576
1.439e+007

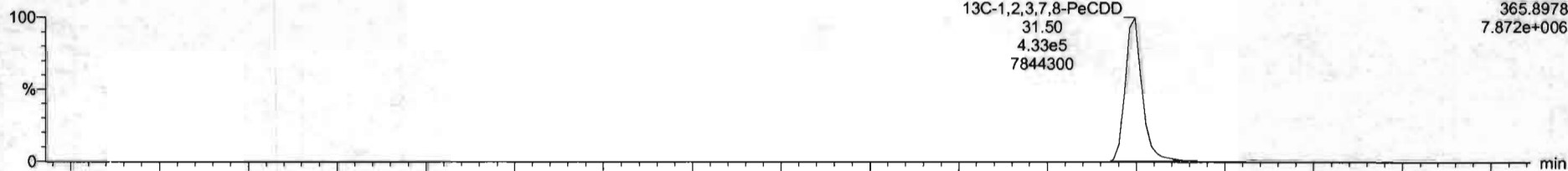
200528R2_4



F2:Voltage SIR,EI+
355.8550
2.249e+007

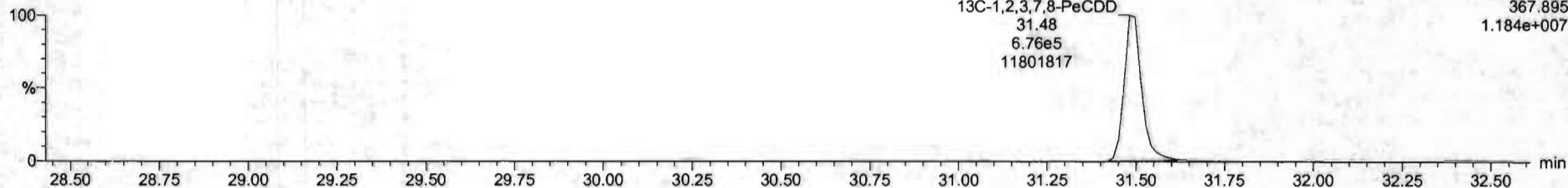
13C-1,2,3,7,8-PeCDD

200528R2_4



F2:Voltage SIR,EI+
365.8978
7.872e+006

200528R2_4



F2:Voltage SIR,EI+
367.895
1.184e+007

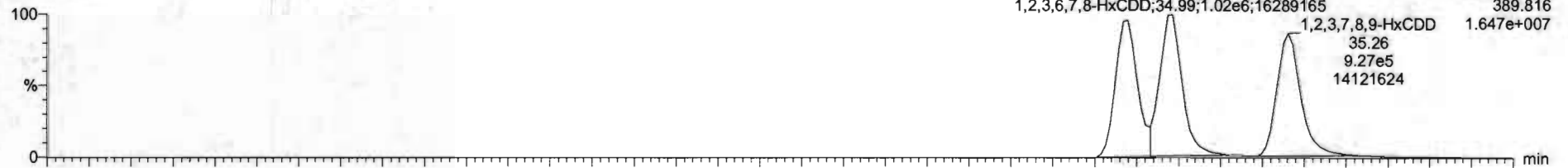
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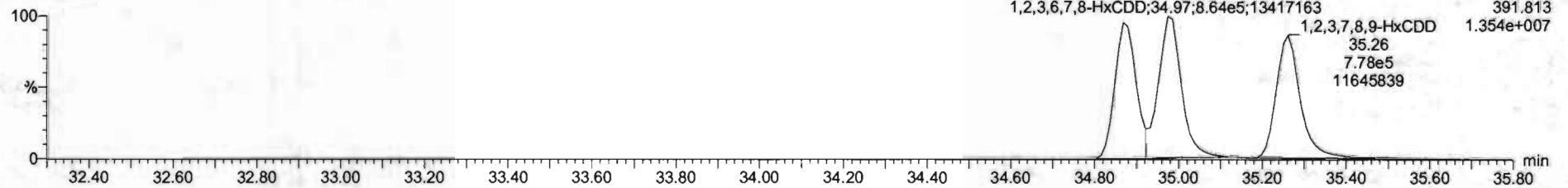
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1,2,3,4,7,8-HxCDD

200528R2_4

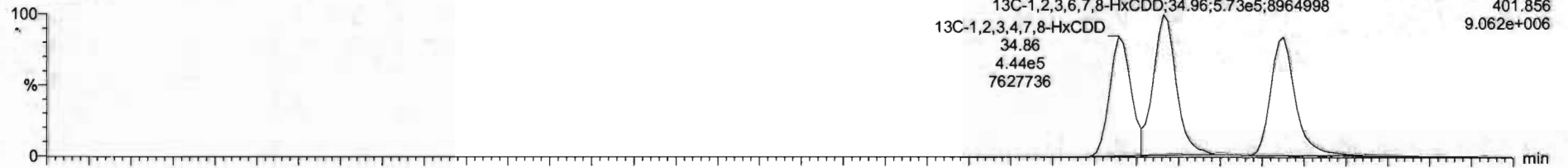


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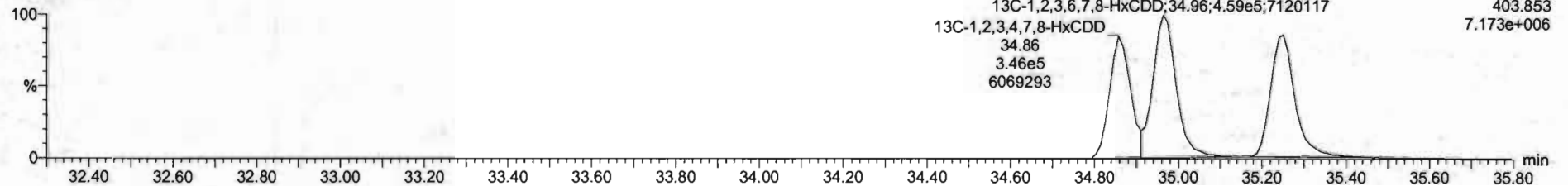


13C-1,2,3,4,7,8-HxCDD

200528R2_4



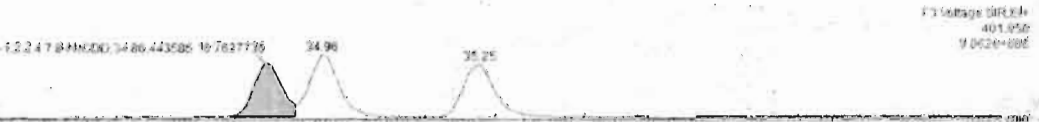
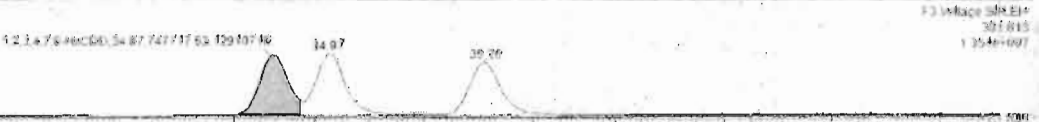
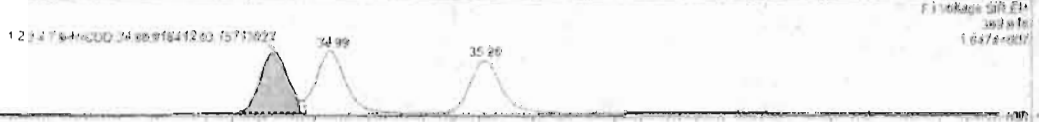
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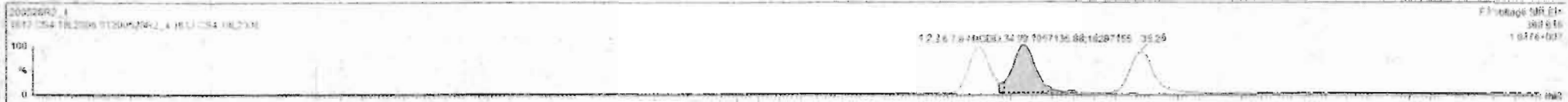
200528R2_4 ST 200528R2_4 1613 CS4 19L2306

K1	Name	Resp	RA	n/y	RRF	vol	RT	RRT	Conc	%Rec	DL	EMPC
1	1.2.3.7.0-TCDD	2.50e6	0.78	NO	0.0882	1.000	28.90	1.001	41.2	101	0.129	41.2
2	1.2.3.7.5-HxCDD	2.25e6	0.83	NO	0.0091	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	0.0921	1.000	34.99	1.001	200	104	0.111	200
5	1.2.3.7.3.5-HxCDD	1.70e6	1.26	NO	0.0805	1.000	35.25	1.000	210	105	0.113	210
6	1.2.3.4.8.7.5-HxCDD	1.25e6	1.02	NO	0.0649	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	1.2.3.7.0-TCDF	6.52e6	0.76	NO	0.7010	1.000	28.88	1.001	42.8	107	0.123	42.8
9	1.2.3.7.5-HxCDF	2.94e6	1.54	NO	0.0945	1.000	30.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	3.20e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8-HxCDF	1.67e6	1.16	NO	0.0845	1.000	33.90	1.000	208	104	0.223	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.0812	1.000	33.12	1.001	206	103	0.203	206
13	2.3.4.7.6-HxCDF	2.96e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.3.5-HxCDF	1.60e6	1.26	NO	0.0707	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.8.7.5-HxCDF	1.49e6	0.99	NO	0.0714	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.5-HxCDF	1.13e6	0.90	NO	1.0128	1.000	38.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.0066	1.000	41.96	1.000	402	100	0.171	402
18	13C-1.2.3.7.0-TCDD	1.58e6	0.79	NO	1.1560	1.000	28.84	1.025	103	103	0.164	
19	13C-1.2.3.7.5-HxCDD	1.11e6	0.84	NO	0.0480	1.000	31.50	1.216	103	103	0.130	
20	13C-1.2.3.4.7.8-HxCDD	7.89e6	1.28	NO	0.7750	1.000	34.96	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.07e6	1.25	NO	1.0147	1.000	34.96	1.017	104	104	0.121	

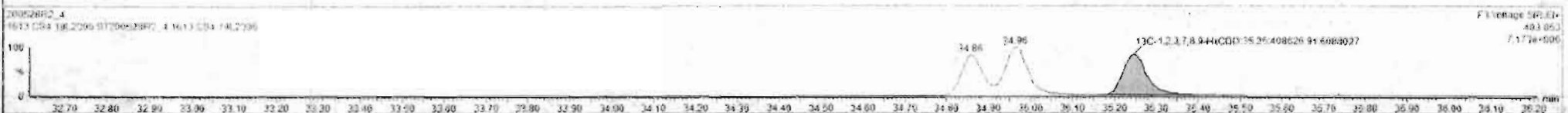
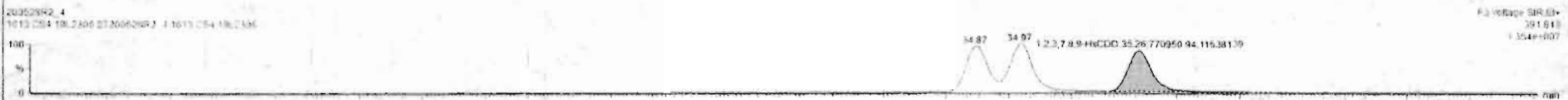


Custom Reporting: Select reports to view.

#	Name	Keep	RA	RY	RF	WRet	RT	RRT	Conc	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	0.41	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	1.0714	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	394	104	0.119	395
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	1.2.3.1.2.7.8-HxCDD	1.11e6	0.84	NO	0.0490	1.000	31.00	1.210	103	103	0.170	103
20	1.2.3.1.2.4.7.8-HxCDD	7.39e6	1.25	NO	0.7790	1.000	34.06	1.014	103	103	0.172	103
21	1.2.3.1.2.3.7.8-HxCDD	1.02e6	1.25	NO	1.0107	1.000	34.96	1.017	104	104	0.171	104



#	Name	Resp	RA	inj	RRF	wtdwt	RT	RRT	Comp	%Rec	DL	IMP
1	1,2,3,7,8-TCDF	1.56e6	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	1,2,3,6,7,8-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-TCDF	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	202	104	0.221	202
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	0.8157	1.000	35.42	1.001	203	104	0.313	203
15	1,2,3,4,6,7,8-HpCDE	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-HpCDE	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-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	1.11e6	0.64	NO	0.8460	1.000	31.50	1.216	103	103	0.130	
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	1,2,3,4,7,8-HpCDE	1.03e6	1.35	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



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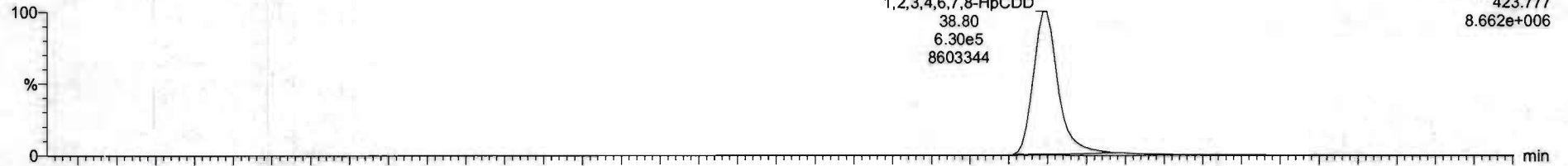
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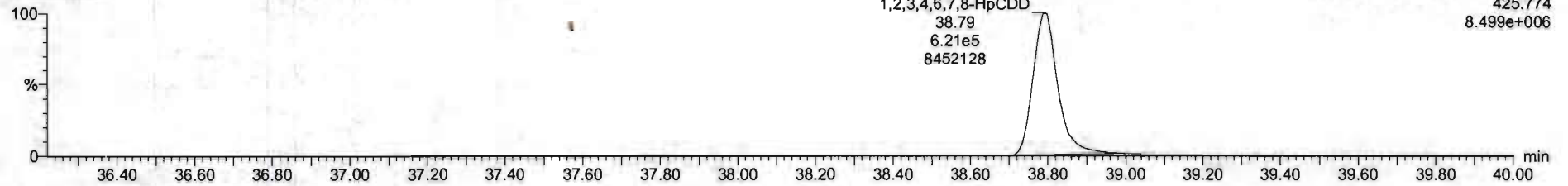
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1,2,3,4,6,7,8-HpCDD

200528R2_4

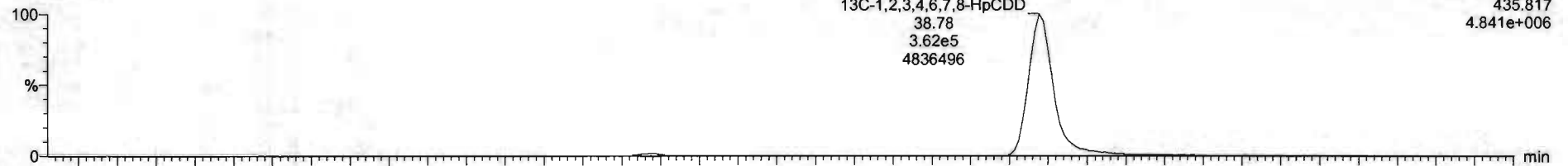


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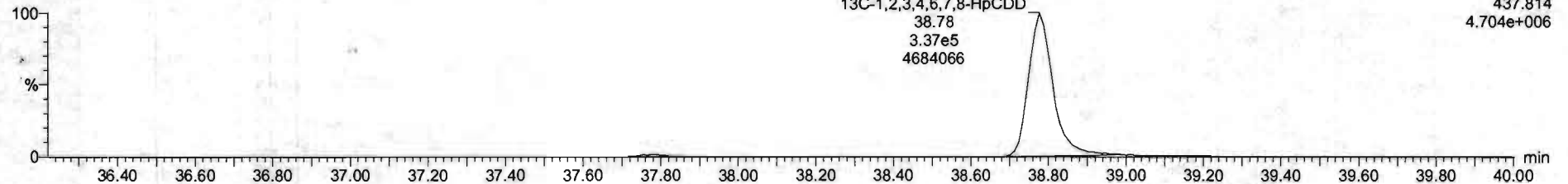


13C-1,2,3,4,6,7,8-HpCDD

200528R2_4



200528R2_4



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	0.5837	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	0.8325	1.000	30.21	1.000	203	101	0.118	203
10	1,2,3,4,7,8-PeCDF	3.00e6	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	0.221	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	0.8460	1.000	31.30	1.216	103	103	0.139	
20	1,2,3,4,7,8,9-HxCDF	7.98e6	1.28	NO	0.7790	1.000	34.80	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDF	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.131	



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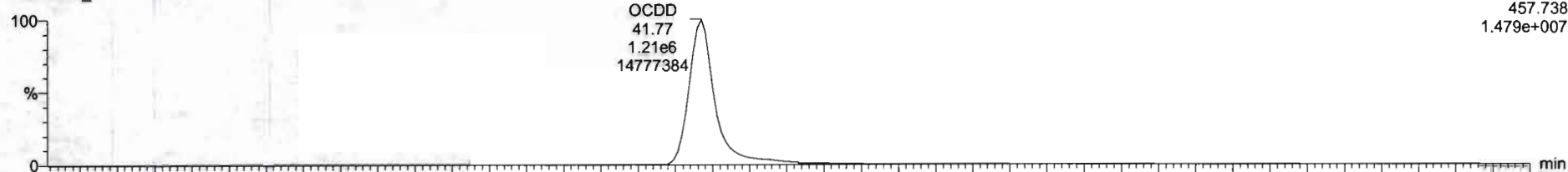
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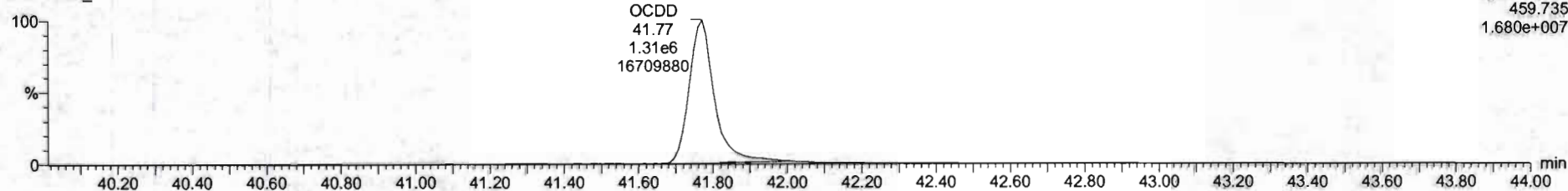
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F5: Voltage SIR, EI+
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1.479e+007

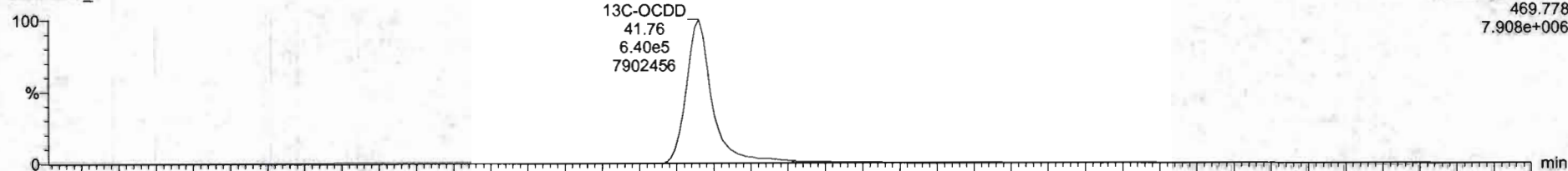
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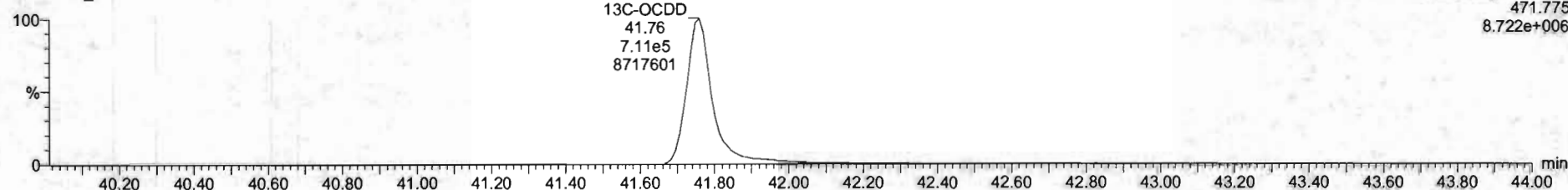
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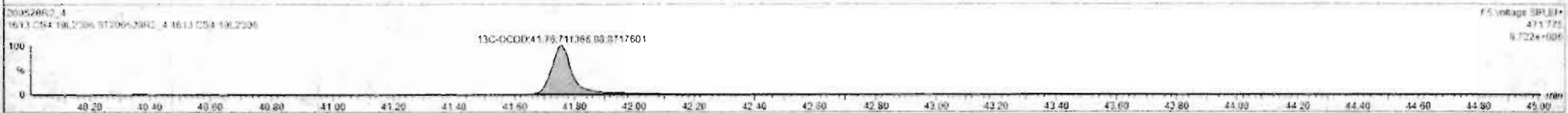
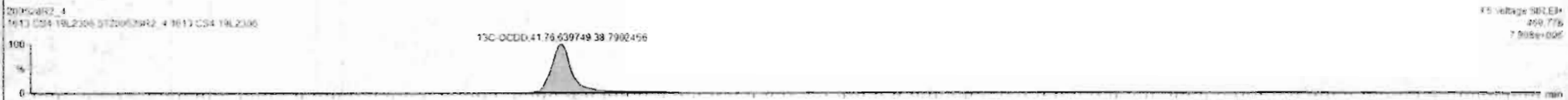
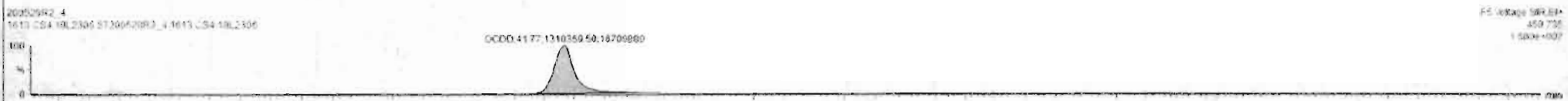
F5: Voltage SIR, EI+
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7.908e+006

200528R2_4



F5: Voltage SIR, EI+
471.775
8.722e+006

Sl. No.	Name	Resp	RA	inj	RRF	wt/vol	RT	NRT	Conc.	%Rec	DL	SI/PC
1	2.3.7.8-TCDD	3.56e5	0.76	NO	0.8883	1.000	28.56	1.001	41.2	101	0.134	41.2
2	1.2.3.7.8-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	0.8869	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	0.8839	1.000	36.80	1.000	211	105	0.110	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	307	99.4	0.192	307
8	2.3.7.8-TCDF	6.52e5	0.76	NO	0.7510	1.000	28.66	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-2.3.7.8-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	



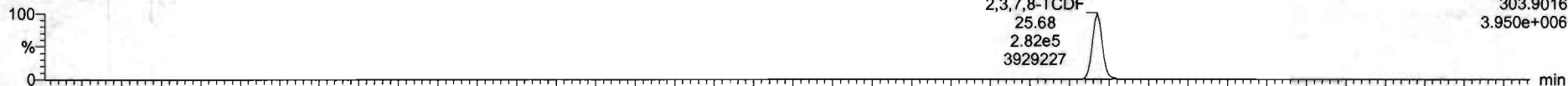
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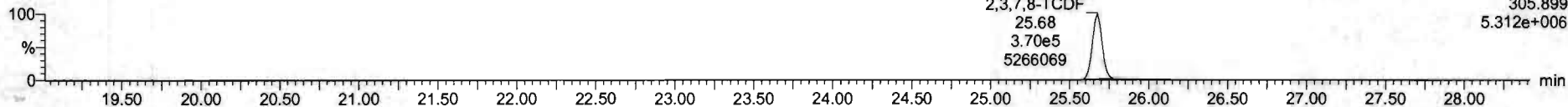
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2,3,7,8-TCDF

200528R2_4

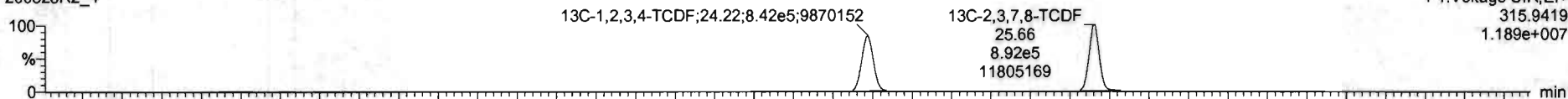


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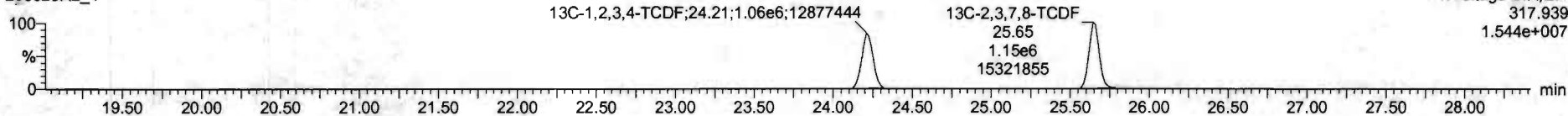


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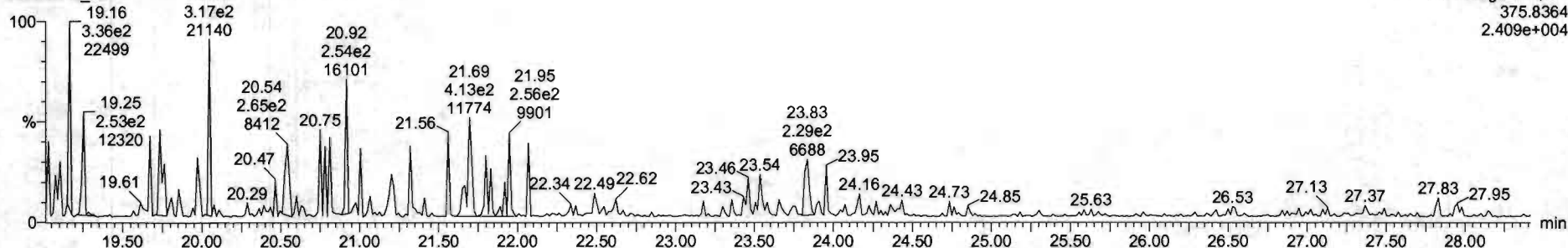


200528R2_4



DPE1

200528R2_4

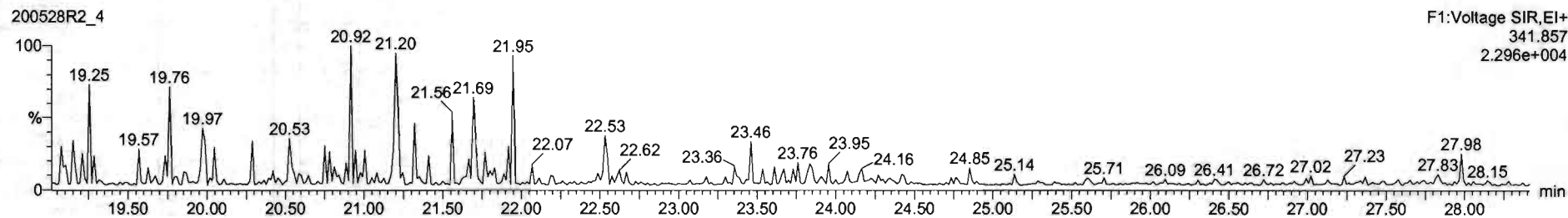
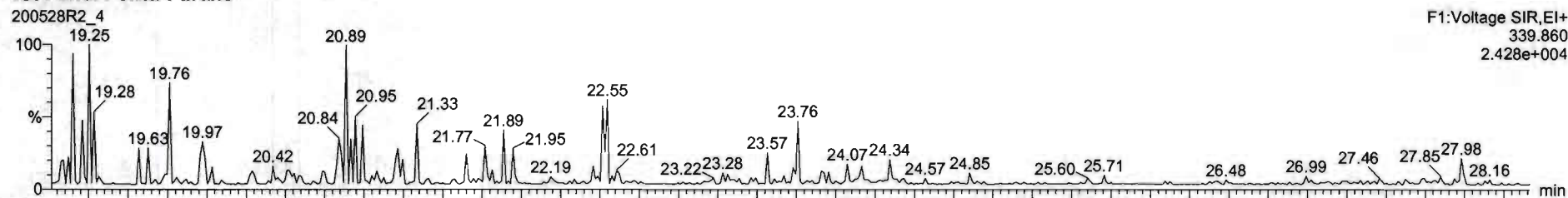


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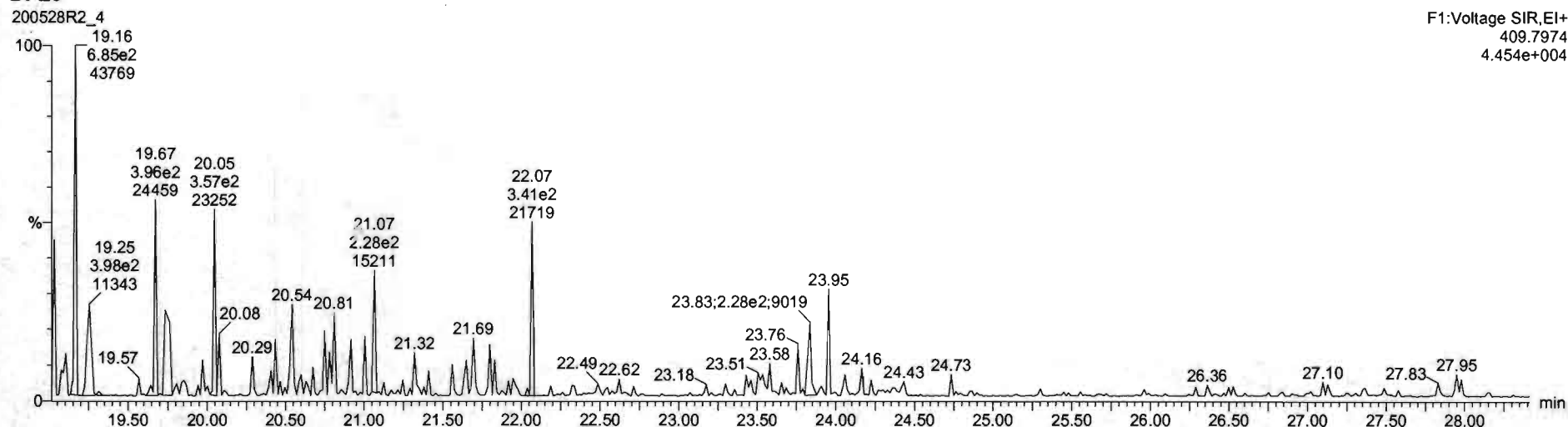
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1st Func. Penta-Furans



DPE6



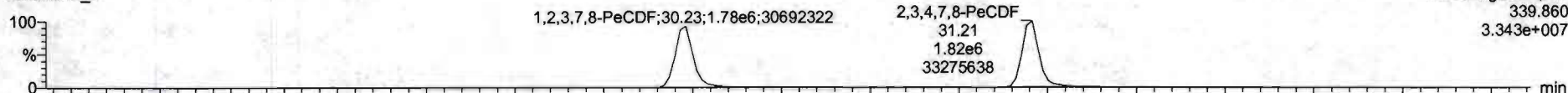
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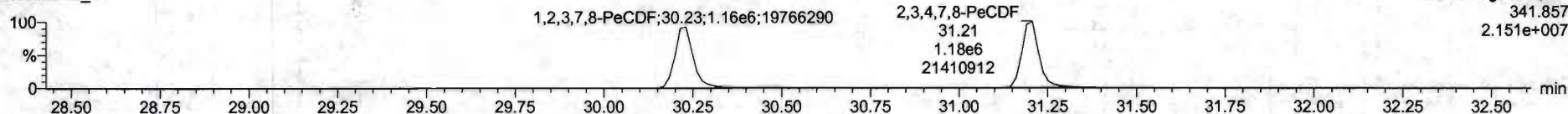
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1,2,3,7,8-PeCDF

200528R2_4

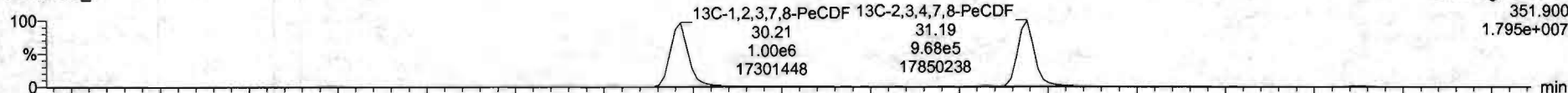


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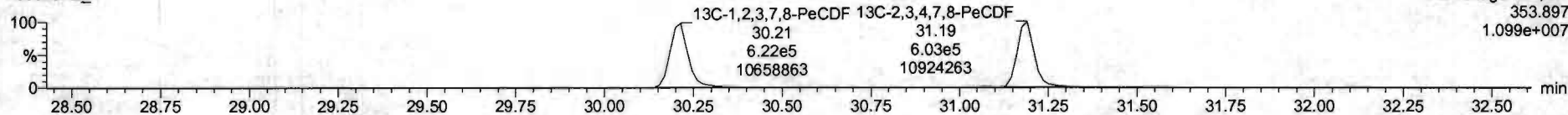


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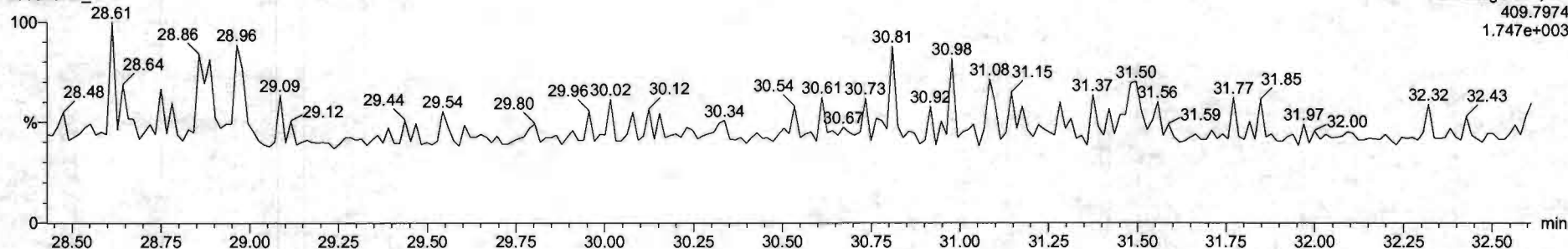


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DPE2

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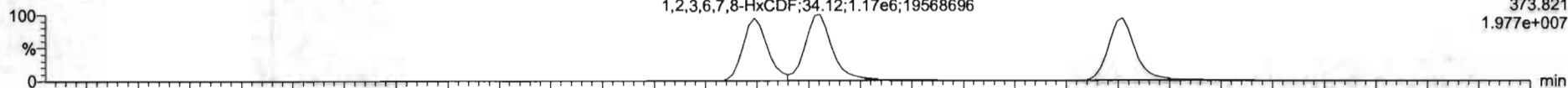
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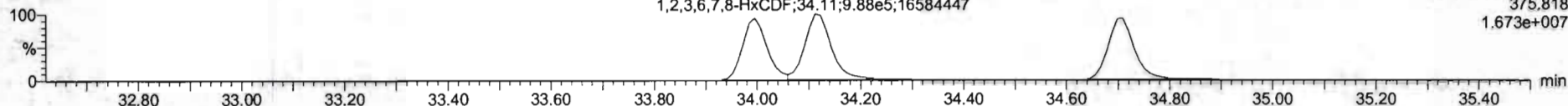
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1,2,3,4,7,8-HxCDF

200528R2_4

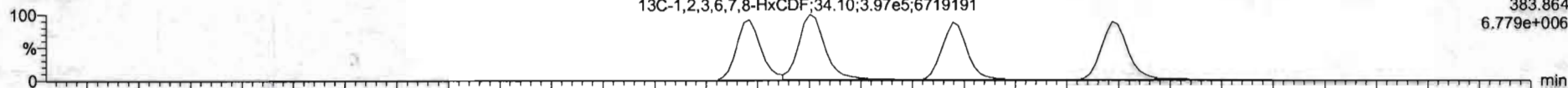


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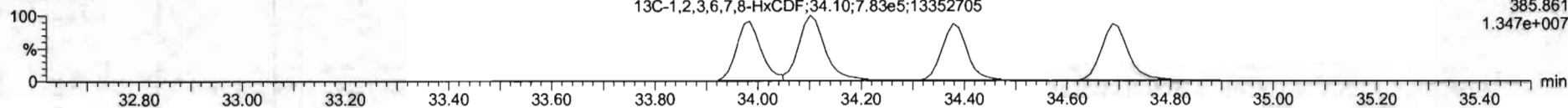


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200528R2_4

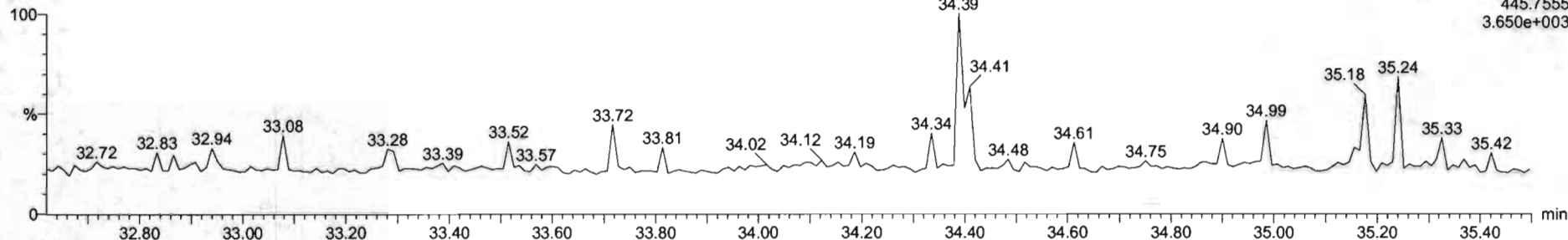


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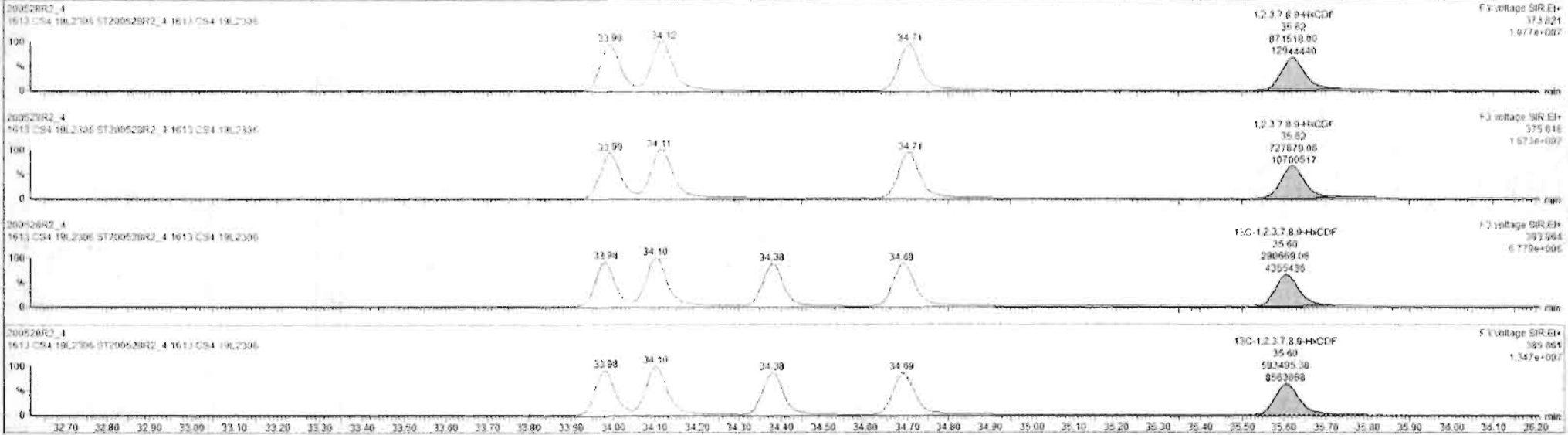


DPE3

200528R2_4



#	Name	Resp	RA	ntf	RRF	wf/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-HpCDD	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	1.2.3.4.7.8.9-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	1.2.3.4.6.7.8-HpCDF	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	102	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.28	NO	0.8787	1.000	35.62	1.001	290	104	0.313	290
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	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	39.32	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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CAP NUM

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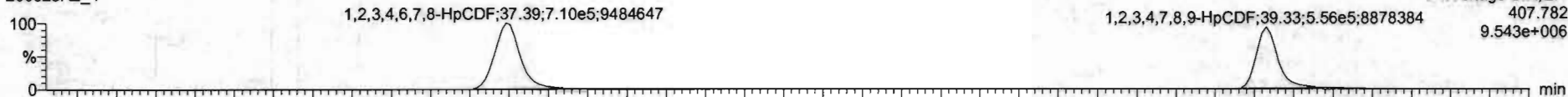
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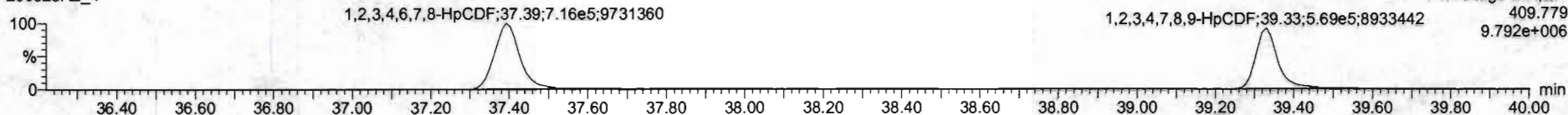
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1,2,3,4,6,7,8-HpCDF

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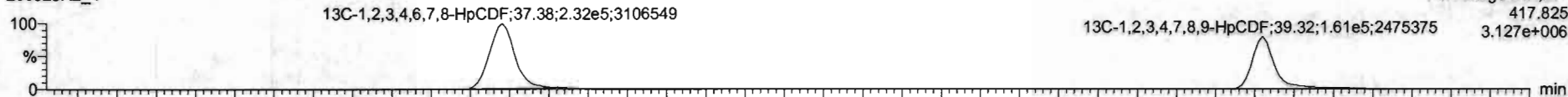


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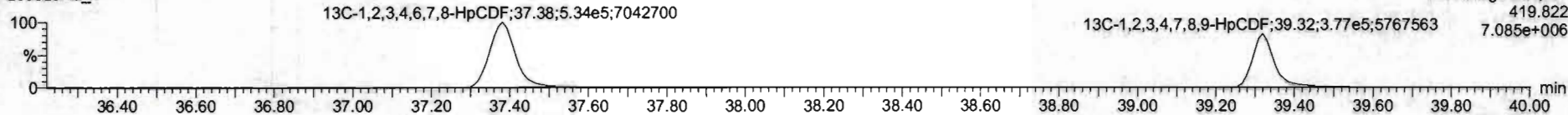


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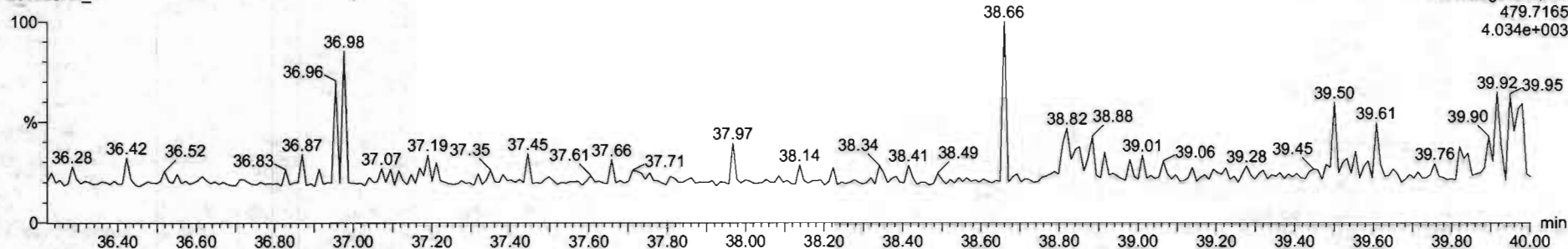


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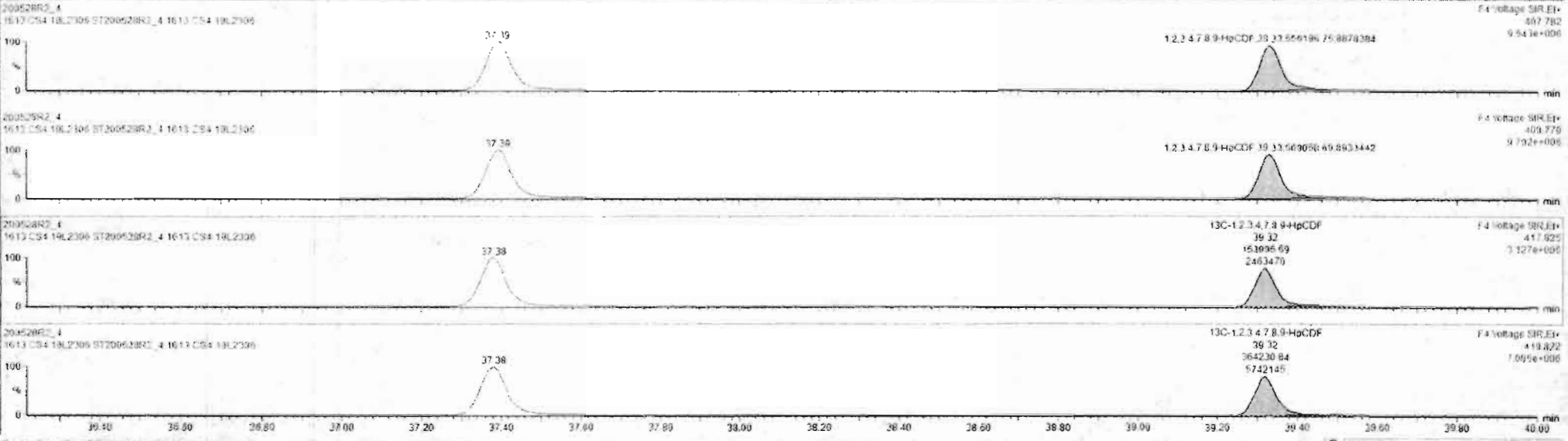


DPE4

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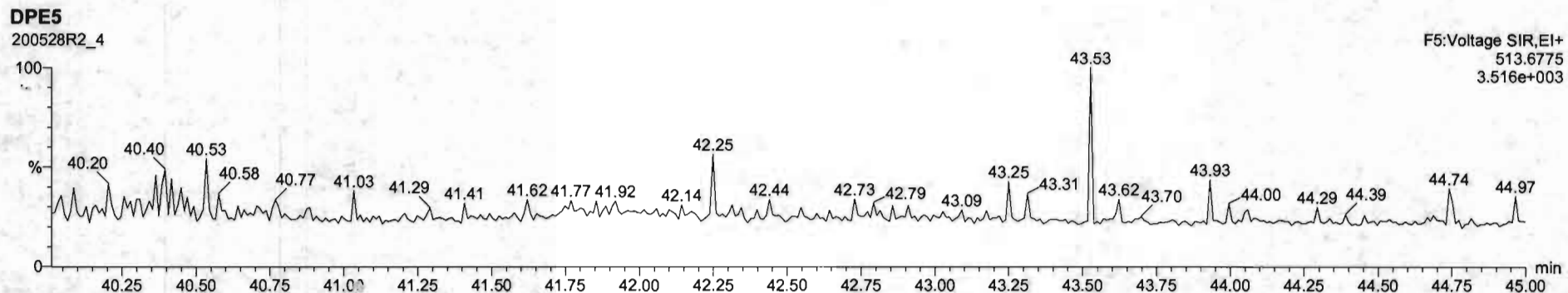
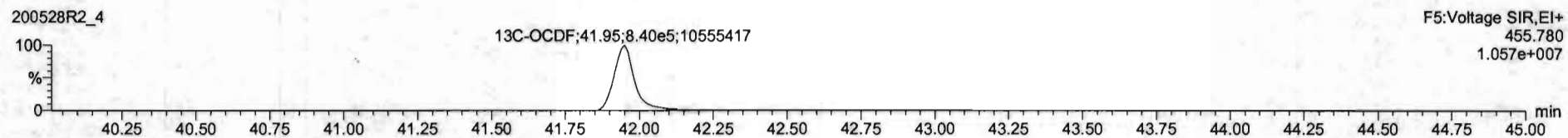
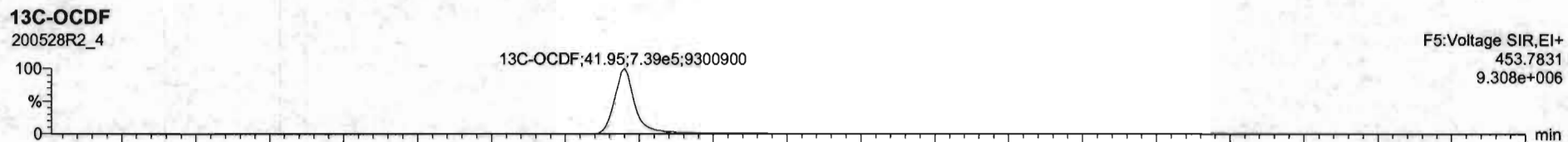
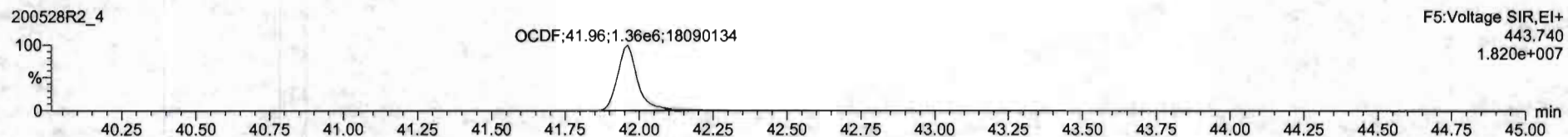
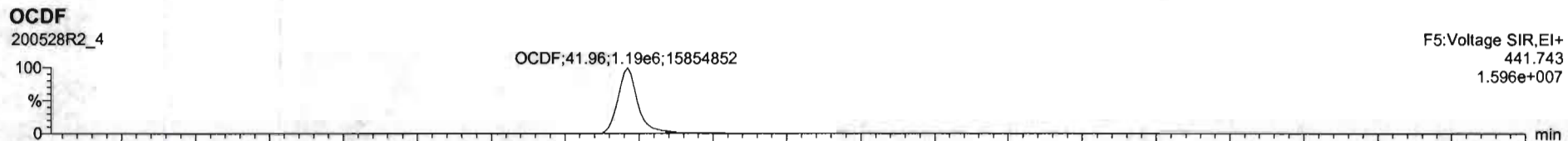
#	Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.56e5	0.78	NO	0.8583	1.000	26.56	1.001	41.3	103	0.134	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.63	NO	0.9081	1.000	31.51	1.000	205	102	0.9837	205
3	1,2,3,4,7,8-HxCDD	1.87e6	1.23	NO	1.0334	1.000	34.86	1.001	204	102	0.115	204
4	1,2,3,8,7,8-HxCDD	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	0.8631	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	0.9341	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	0.8861	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	1,2,3,4,6,7,9-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	34.86	1.014	103	103	0.132	
21	13C-1,2,3,6,7,8-HxCDD	1.02e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.121	



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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



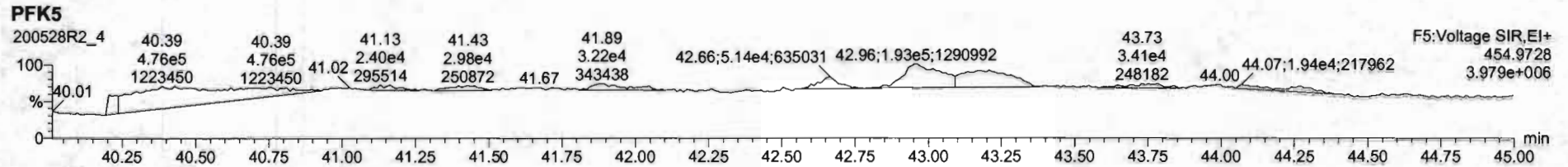
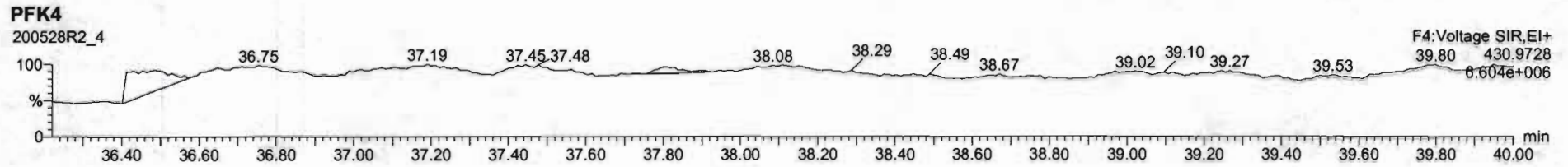
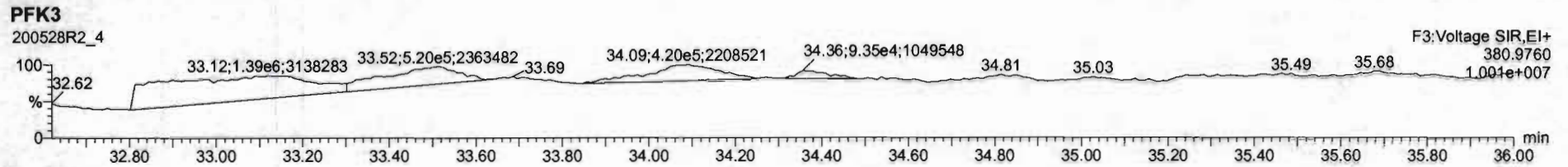
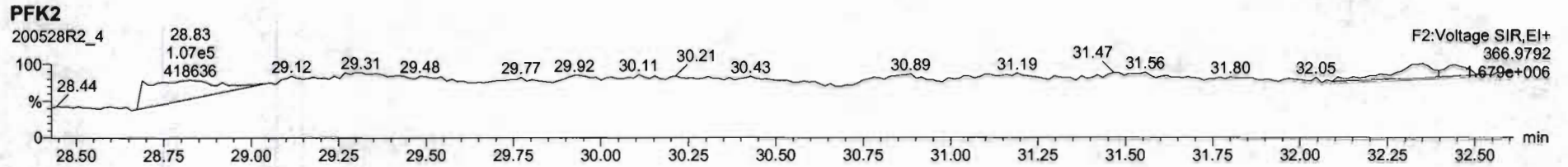
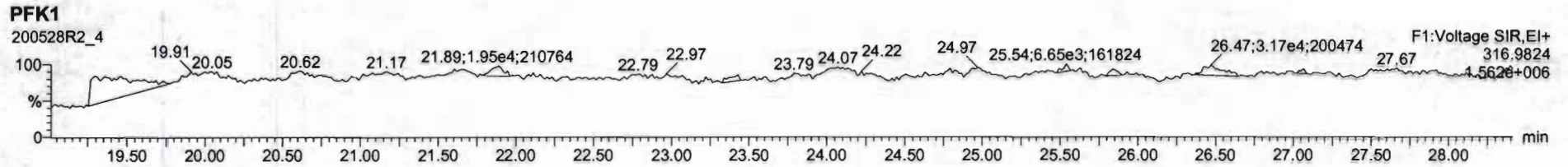
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1	2.3.1.6-TCDD	1.50e5	0.78	NO	0.8863	1.000	26.56	1.001	41.2	101	0.124	41.2
2	1.2.3.7.5-PeCDD	2.06e6	0.83	NO	0.6061	1.000	31.51	1.000	205	102	0.0827	205
3	1.2.3.4.7.8-HxCDD	1.07e6	1.23	NO	1.0334	1.000	34.85	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDF	1.92e6	1.22	NO	0.8929	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.76e6	1.20	NO	0.8265	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	0.8633	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	104	0.102	397
8	2.3.7.6-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	36.23	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	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.8845	1.000	32.99	1.000	208	104	0.221	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8852	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	1.2.3.7.8.9-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	0.6496	1.000	31.50	1.216	103	103	0.130	
20	1.2.3.1.2.3.4.7.8-HxCDD	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-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



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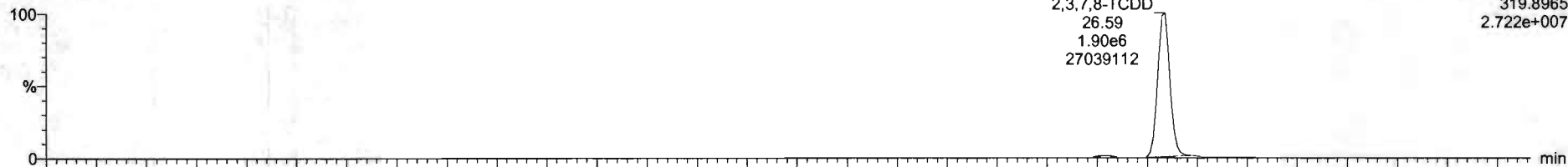
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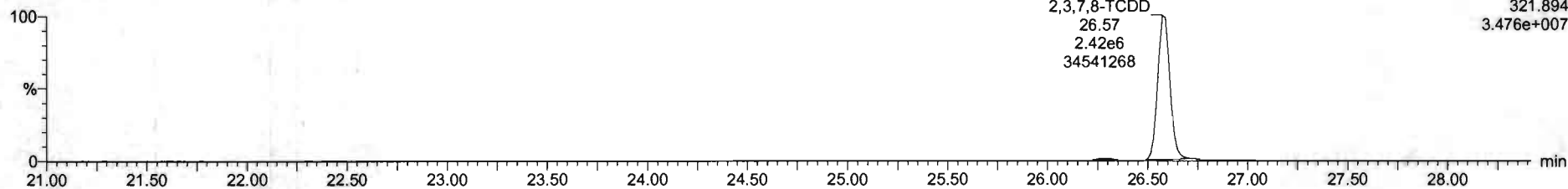
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2,3,7,8-TCDD

200528R2_5

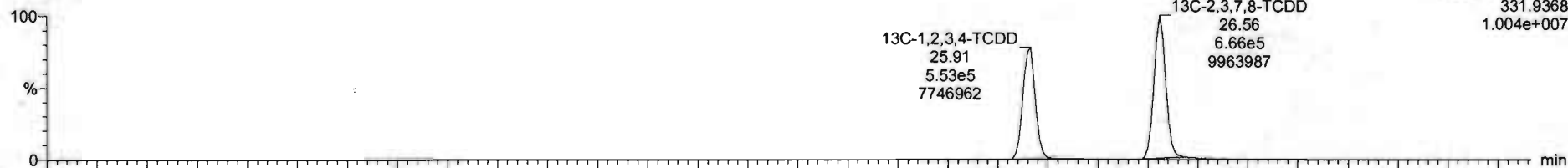


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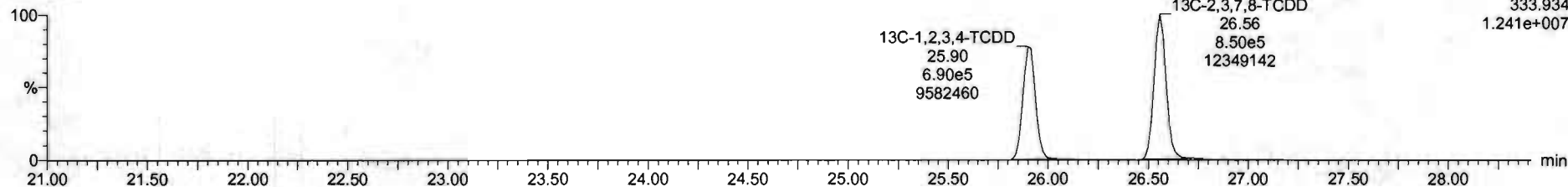


13C-2,3,7,8-TCDD

200528R2_5



200528R2_5



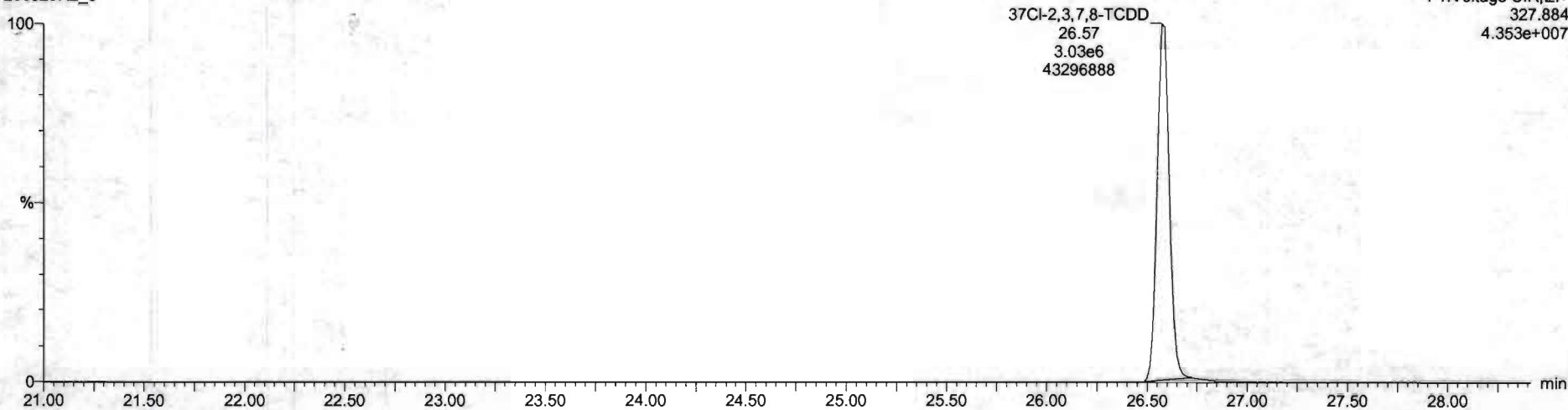
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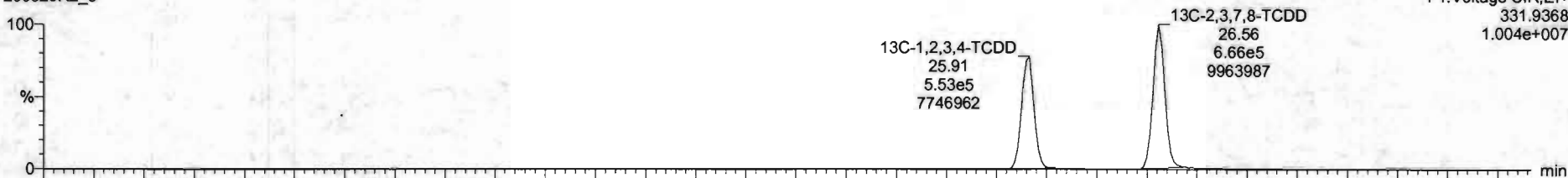
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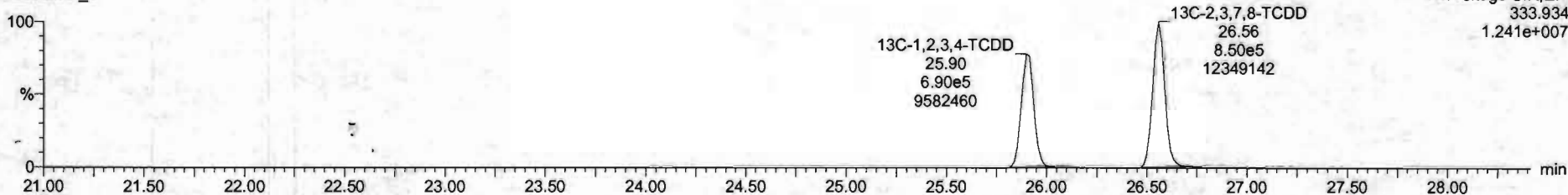


13C-1,2,3,4-TCDD

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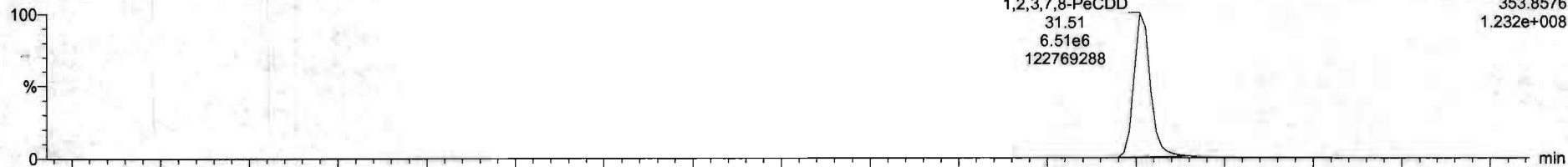
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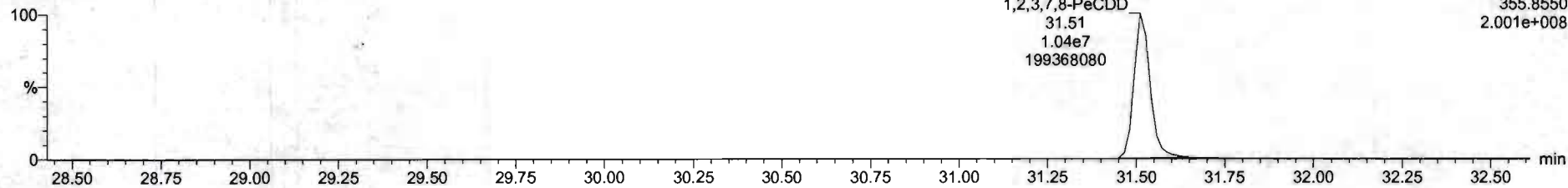
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1,2,3,7,8-PeCDD

200528R2_5

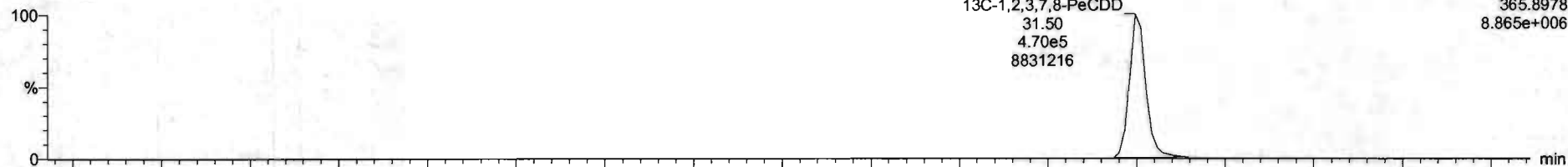


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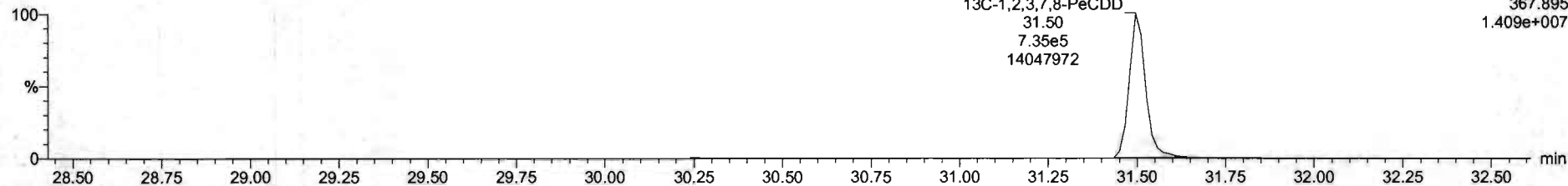


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200528R2_5



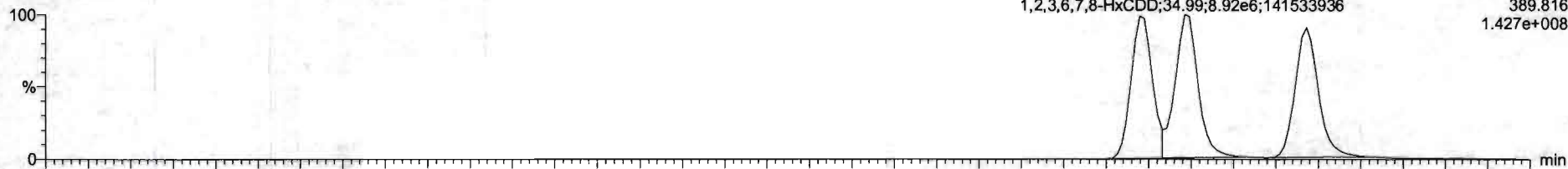
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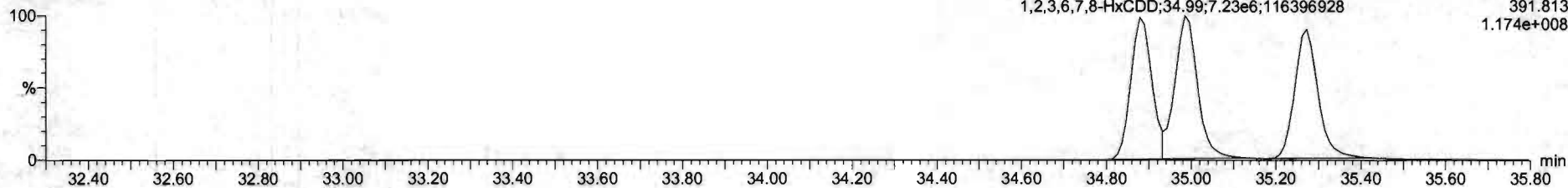
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1,2,3,4,7,8-HxCDD

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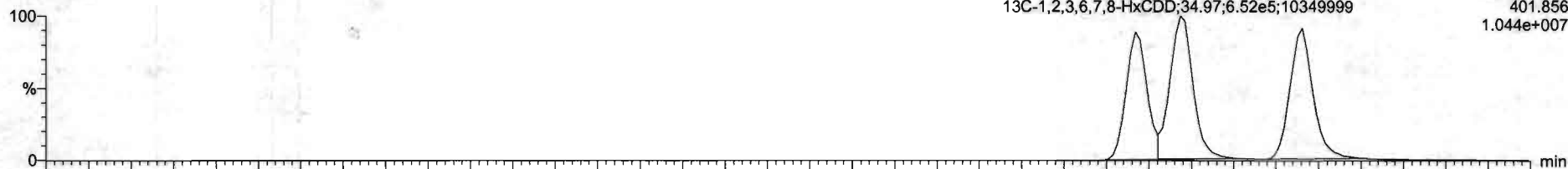


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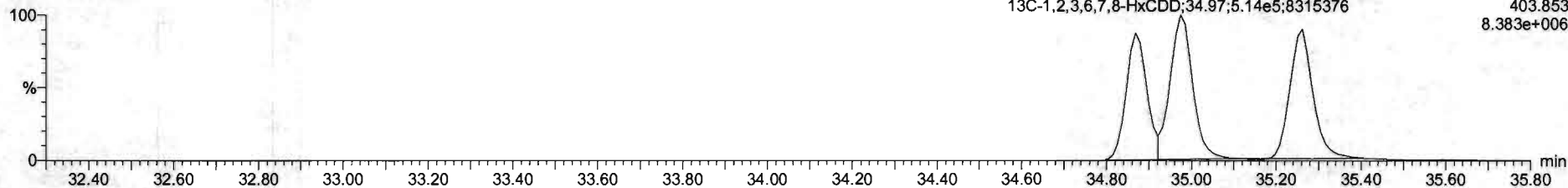


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200528R2_5



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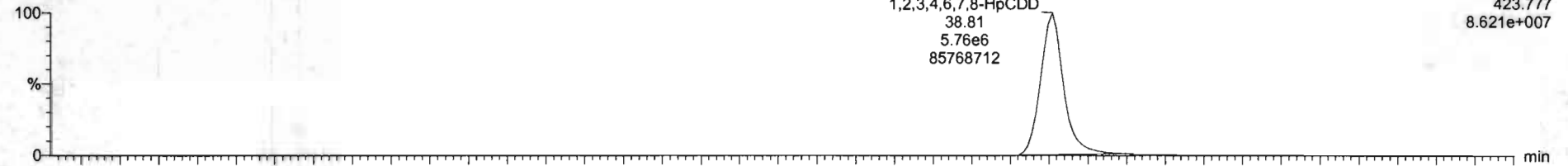
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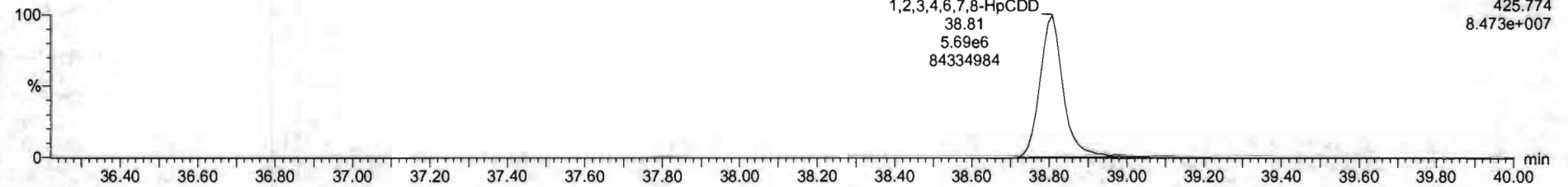
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1,2,3,4,6,7,8-HpCDD

200528R2_5

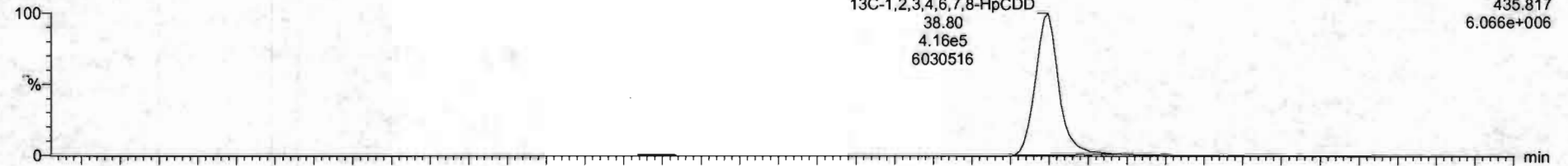


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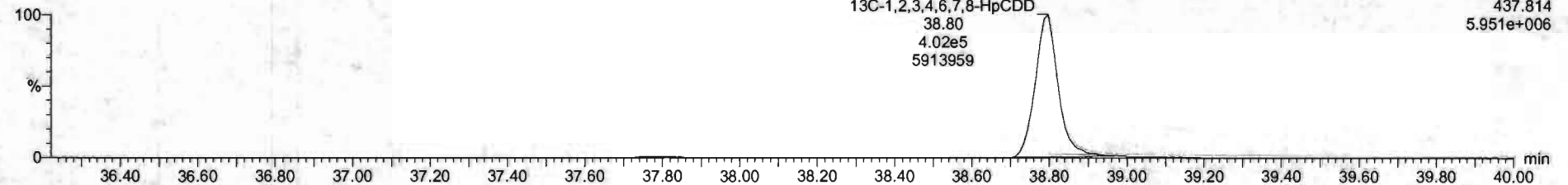


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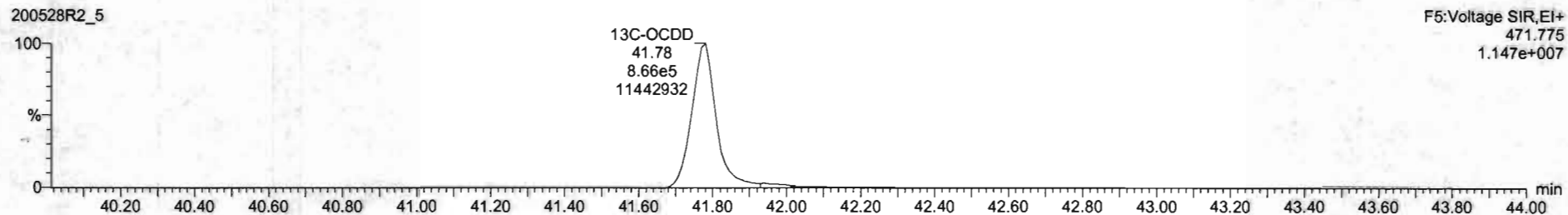
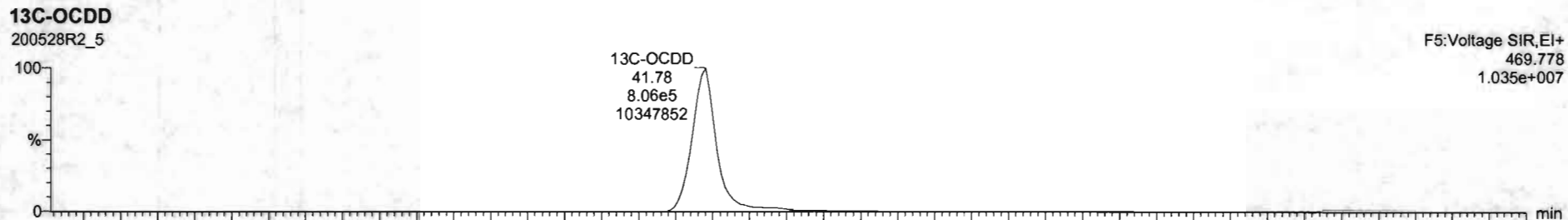
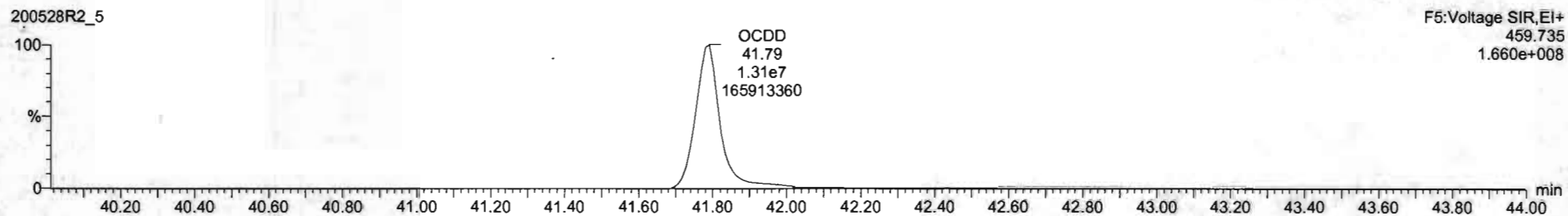
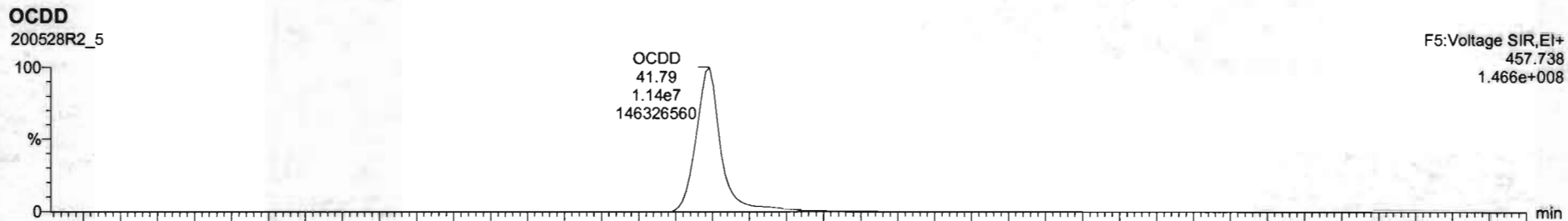
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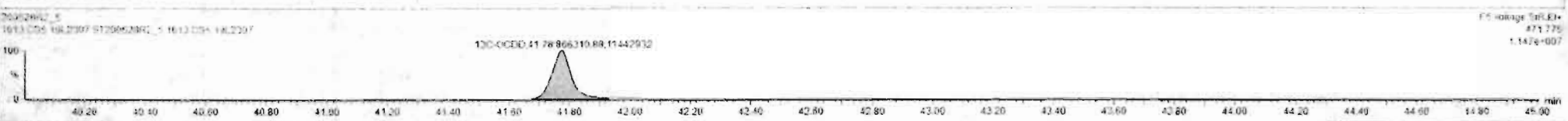
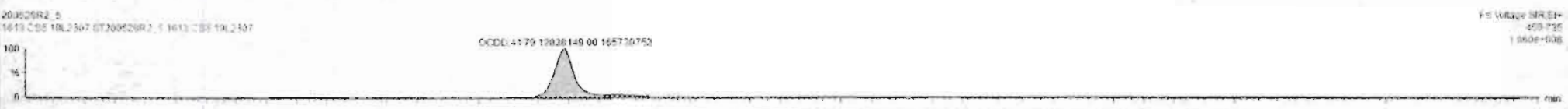
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Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307



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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-FluCD0	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-HvCD0	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-HvCD0	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-HvCD0	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-HvCD0	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-TCD0	0.00e0	0.75	NO	0.7510	1.000	45.65	1.001	320	105	0.0600	320
9	1.2.3.7.8-FluCDF	2.38e7	1.14	NO	0.8925	1.000	40.23	1.000	1570	101	0.231	1570
10	2.3.4.7.8-FluCDF	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-HvCDF	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-HvCDF	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-HvCDF	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-HvCDF	1.49e7	1.26	NO	0.6707	1.000	45.03	1.000	1560	106	0.145	1560
15	1.2.3.4.6.7.8-HvCDF	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-HvCDF	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-TCD0	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-FluCD0	1.27e6	0.64	NO	0.8499	1.000	31.58	1.215	114	114	0.130	114
20	13C-1.2.3.4.7.8-HvCD0	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-HvCD0	1.17e6	1.27	NO	1.0167	1.000	34.97	1.017	113	113	0.146	113



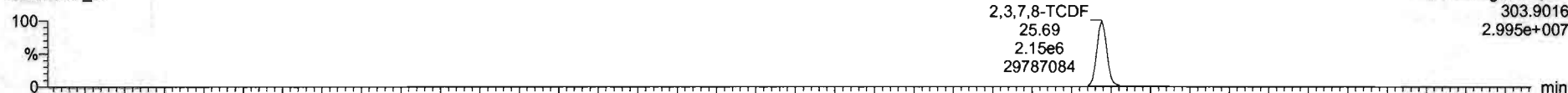
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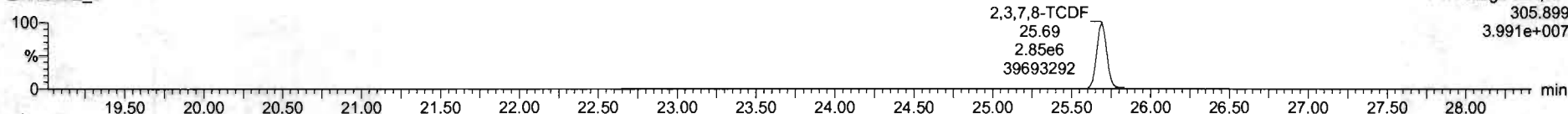
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2,3,7,8-TCDF

200528R2_5

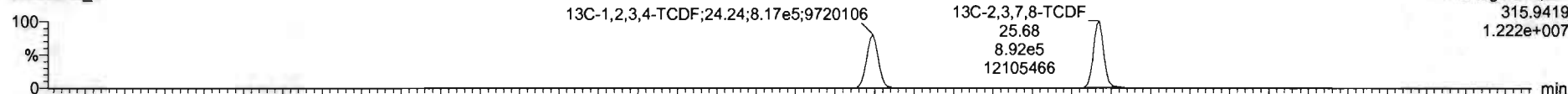


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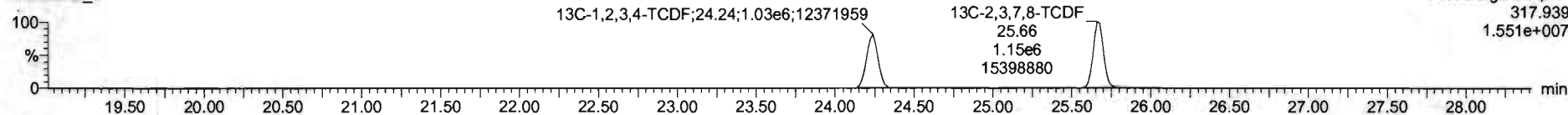


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200528R2_5

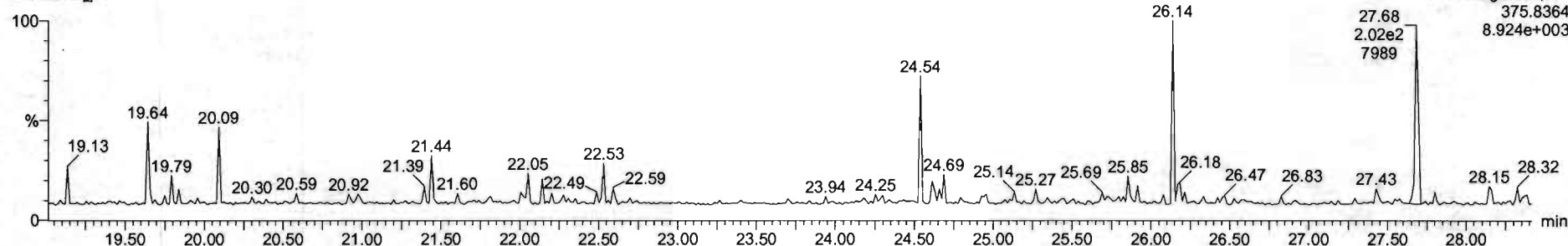


200528R2_5



DPE1

200528R2_5



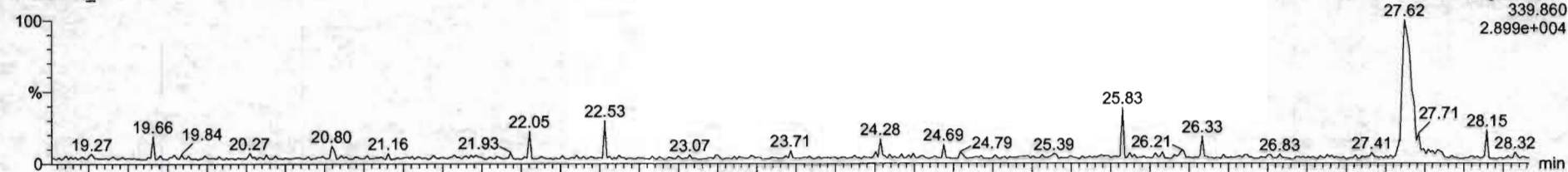
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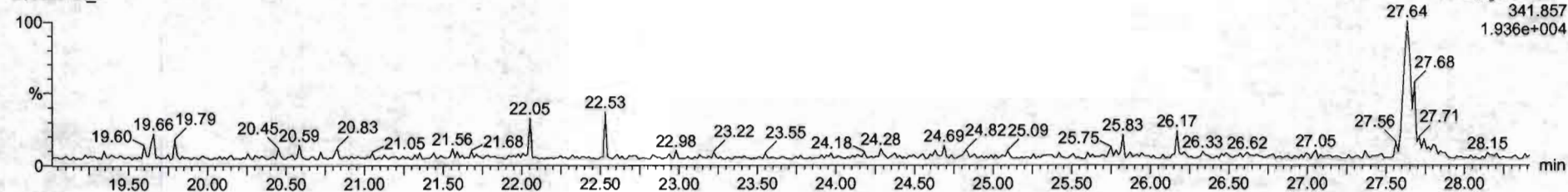
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200528R2_5

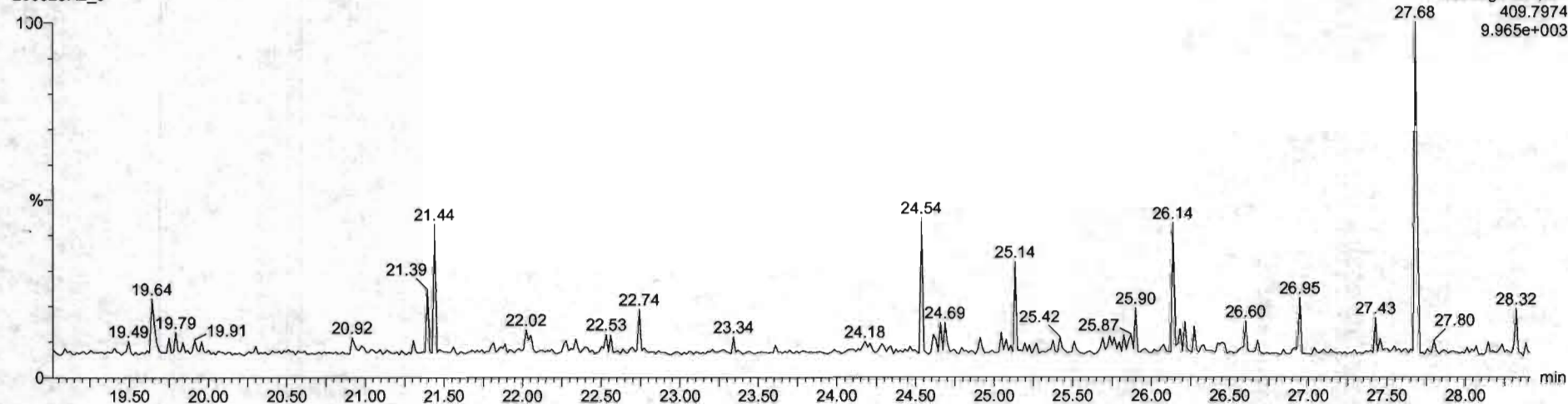


200528R2_5



DPE6

200528R2_5



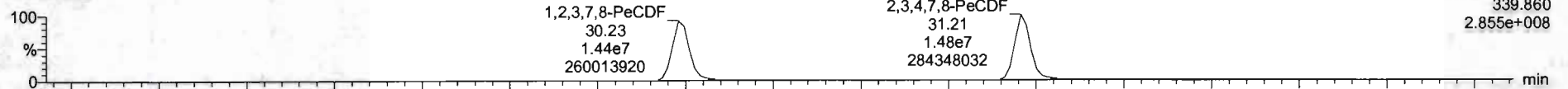
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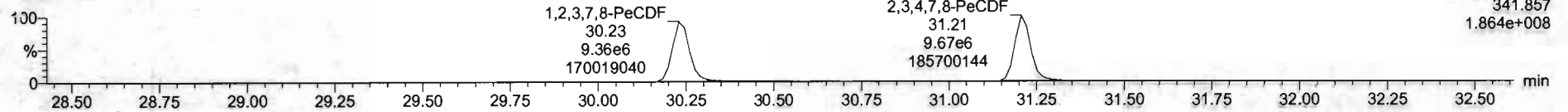
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1,2,3,7,8-PeCDF

200528R2_5



200528R2_5

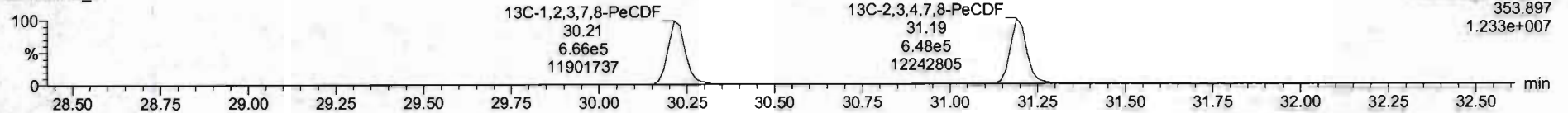


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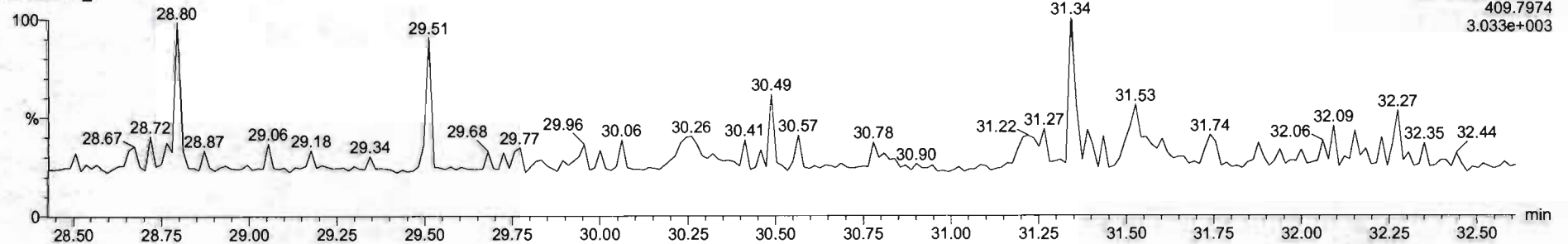


200528R2_5



DPE2

200528R2_5



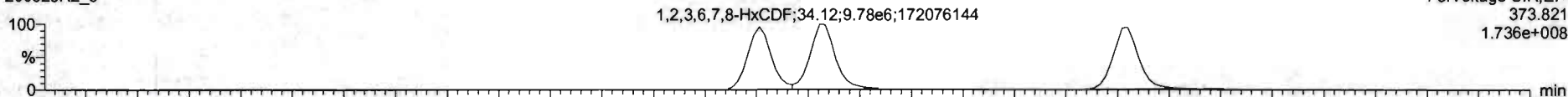
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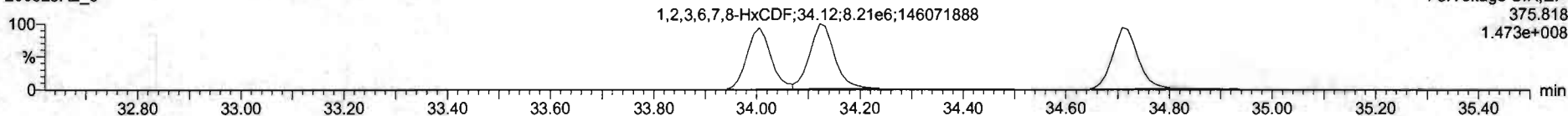
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1,2,3,4,7,8-HxCDF

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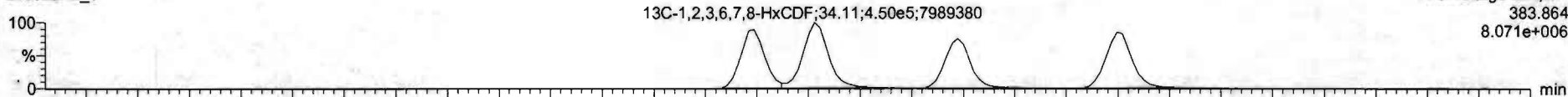


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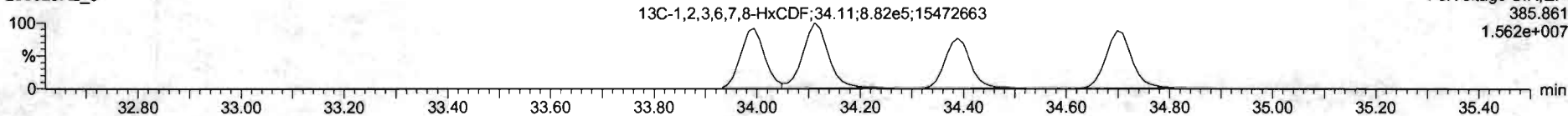


13C-1,2,3,4,7,8-HxCDF

200528R2_5

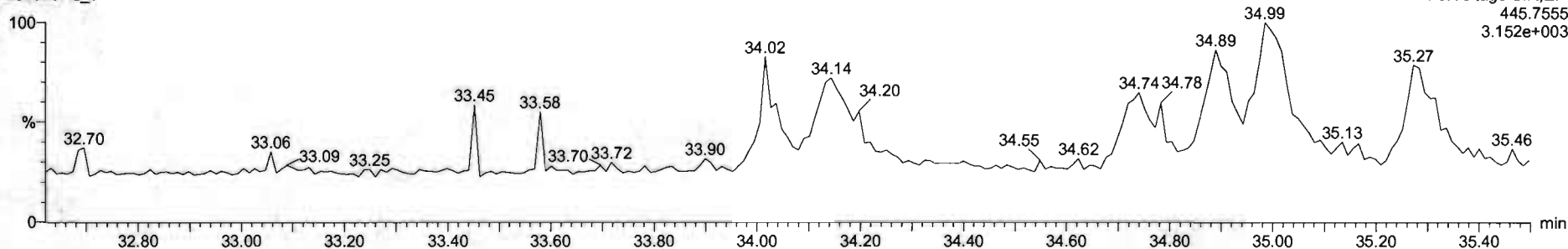


200528R2_5



DPE3

200528R2_5



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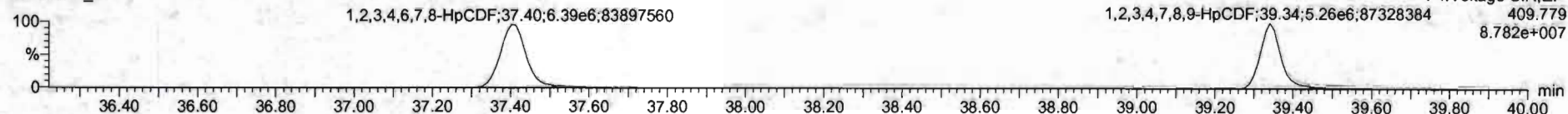
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1,2,3,4,6,7,8-HpCDF

200528R2_5

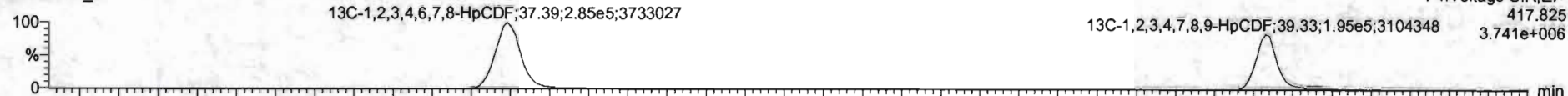


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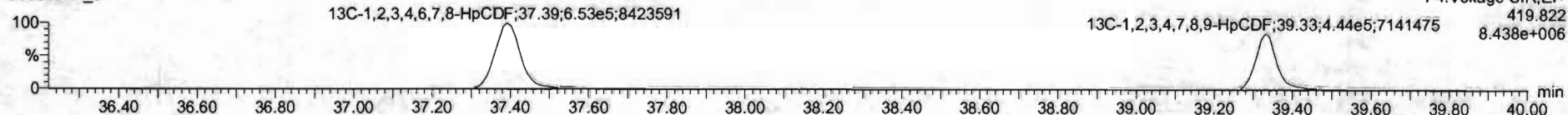


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200528R2_5

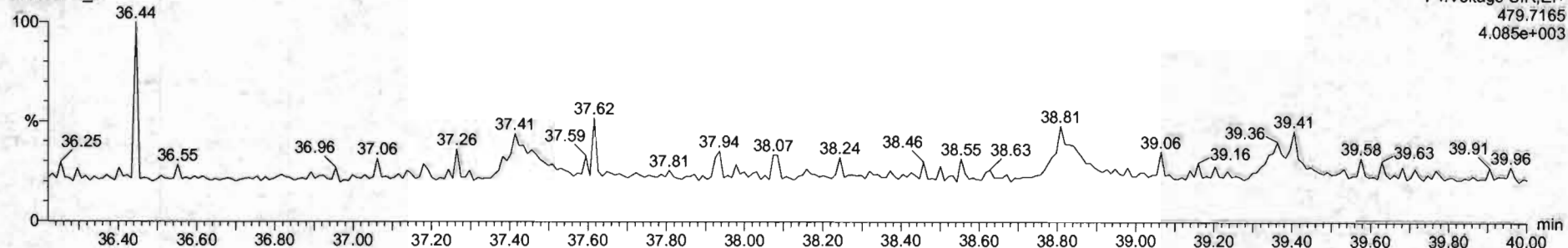


200528R2_5



DPE4

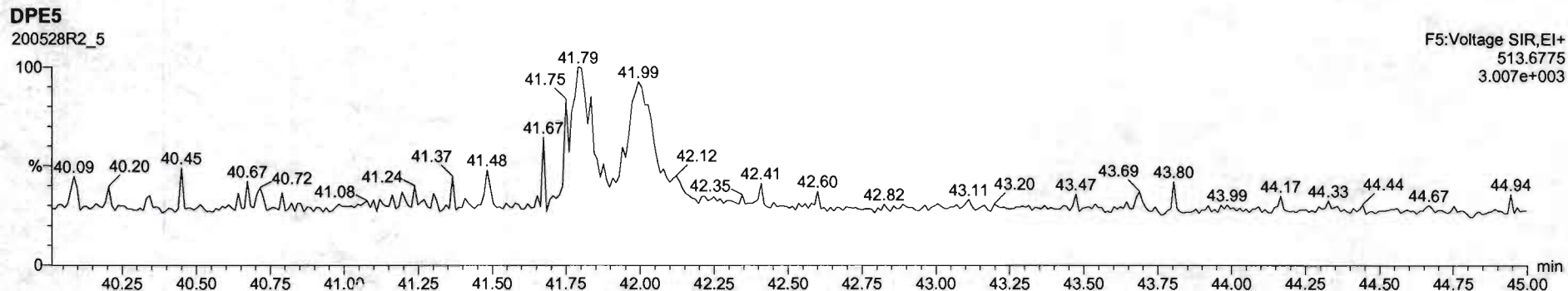
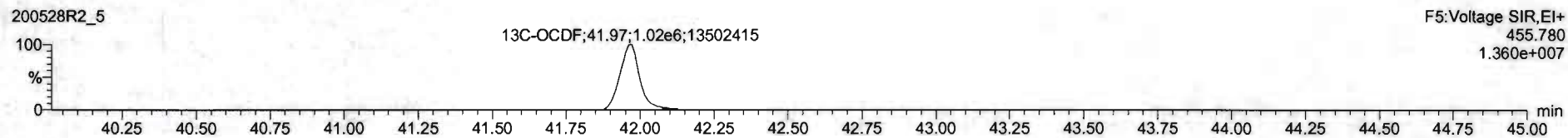
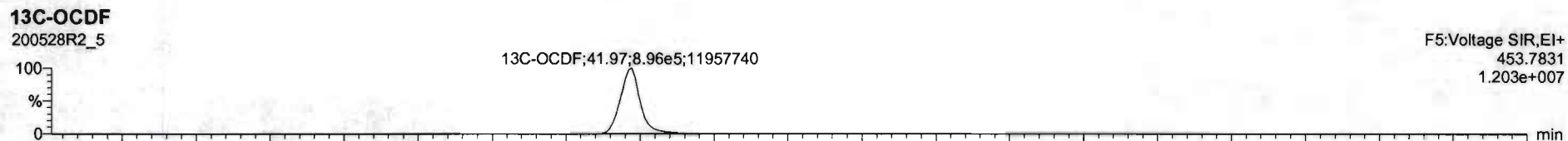
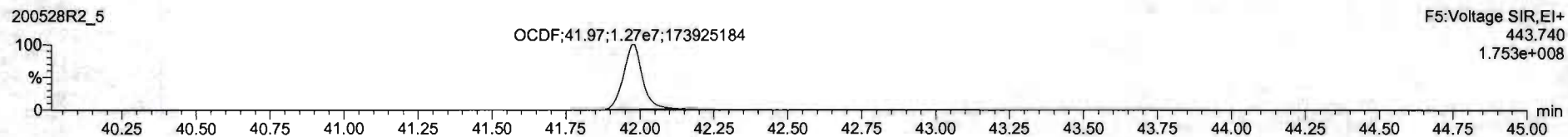
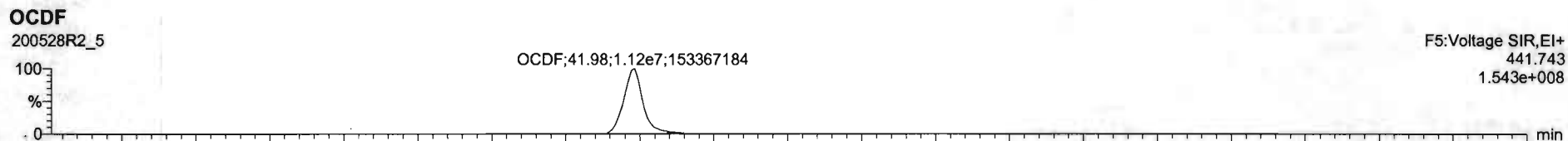
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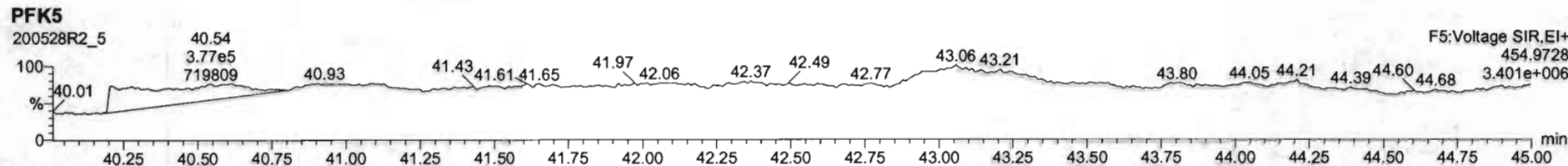
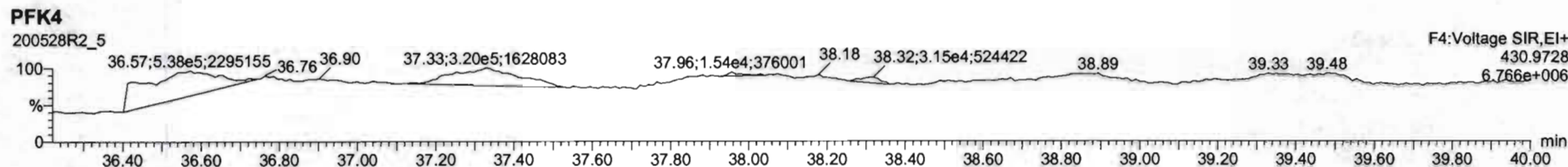
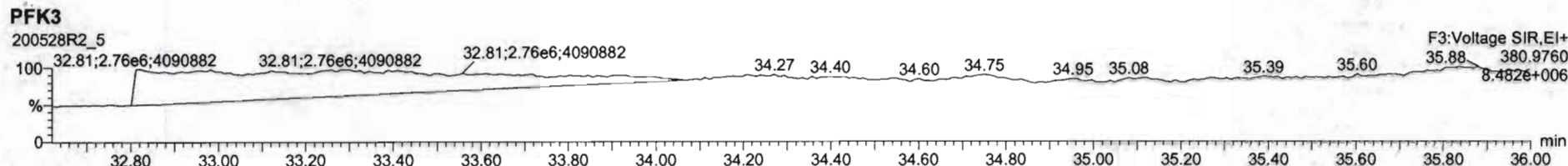
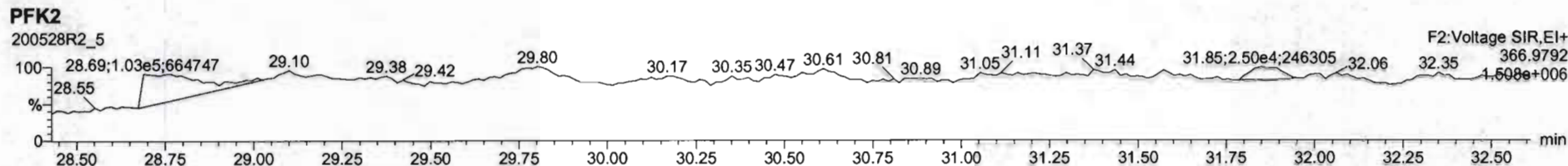
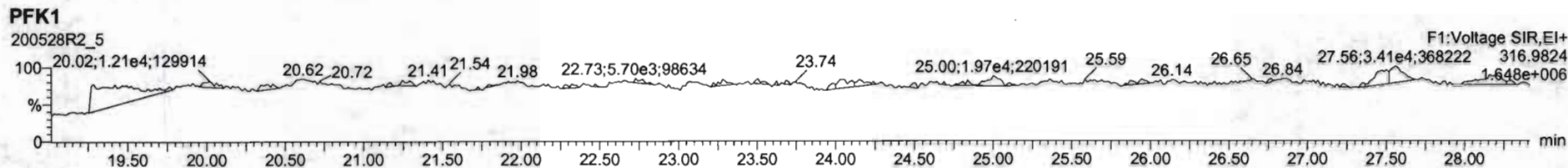
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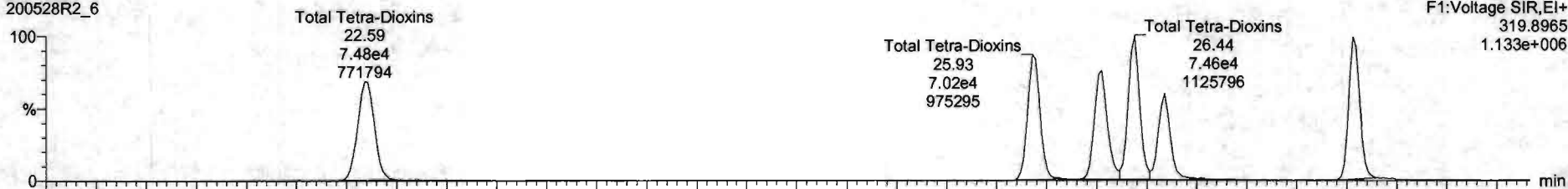
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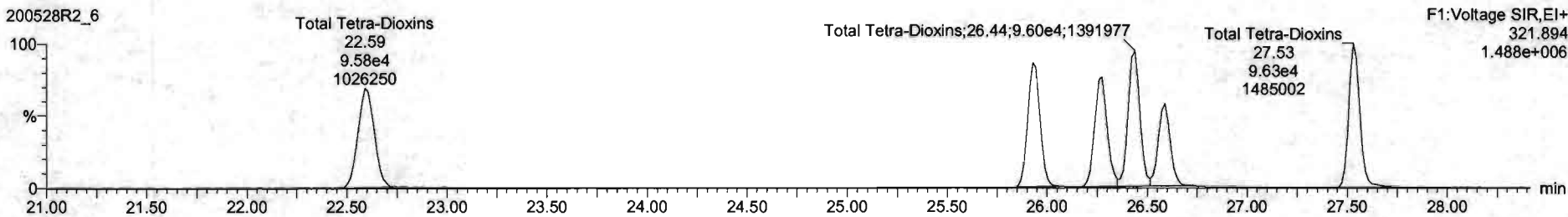
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2,3,7,8-TCDD

200528R2_6

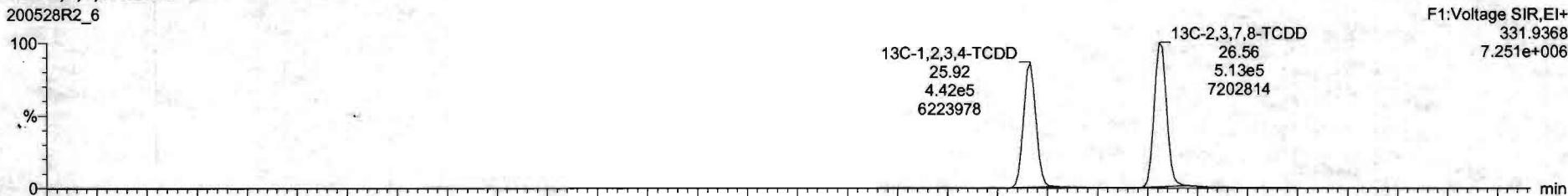


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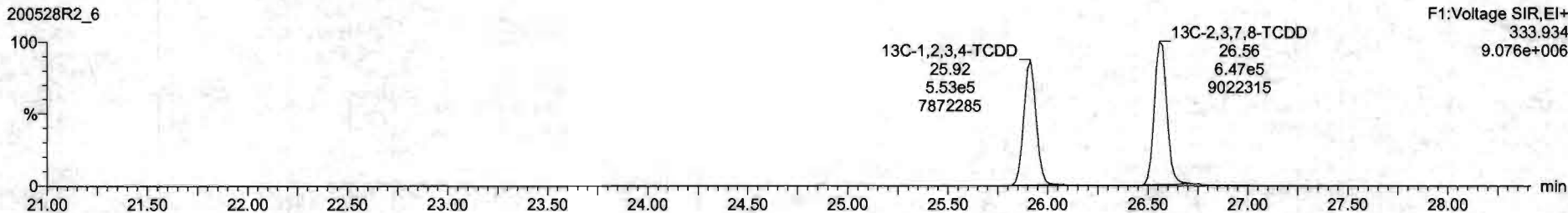


13C-2,3,7,8-TCDD

200528R2_6



200528R2_6



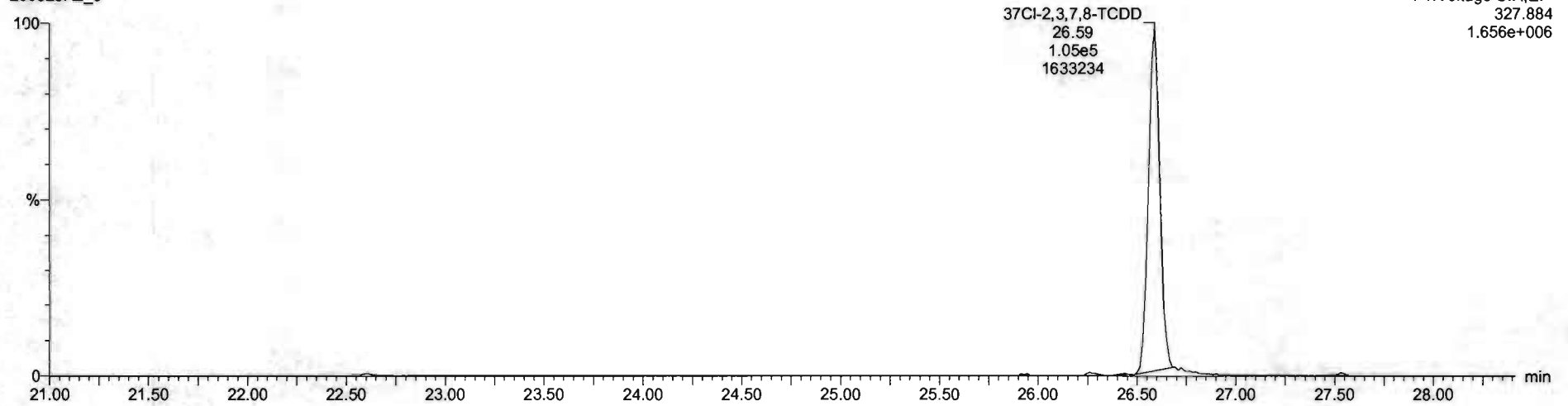
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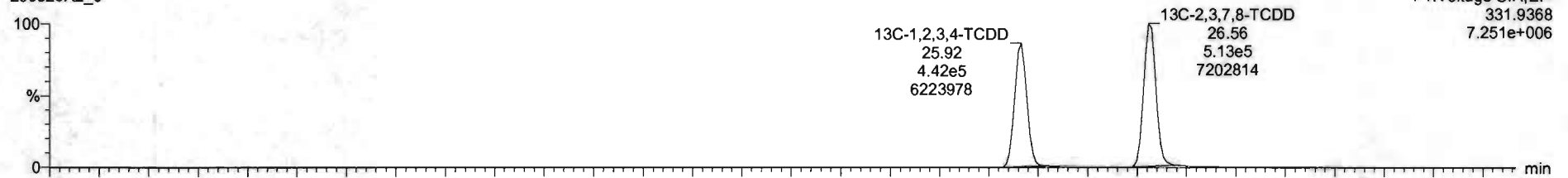
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200528R2_6

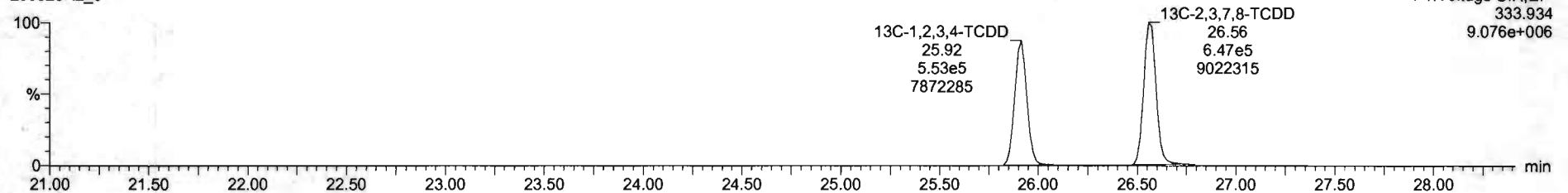


13C-1,2,3,4-TCDD

200528R2_6



200528R2_6



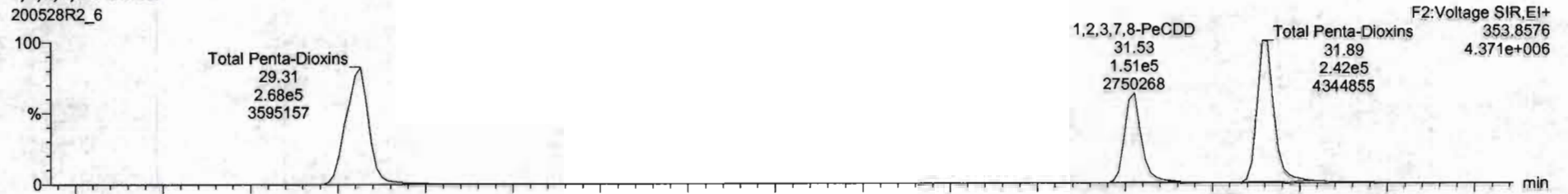
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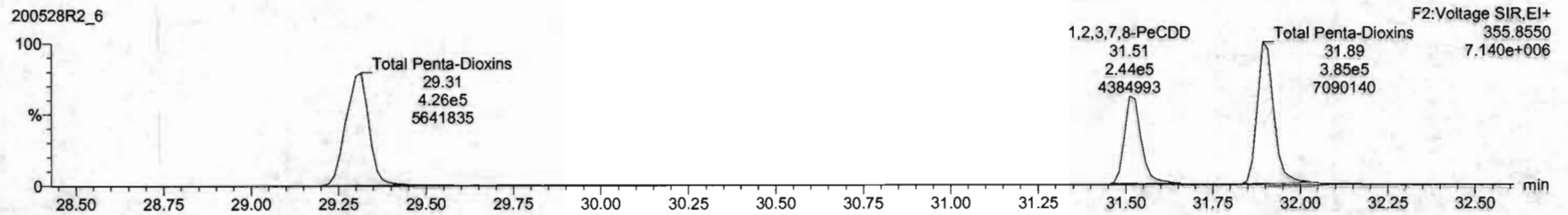
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1,2,3,7,8-PeCDD

200528R2_6

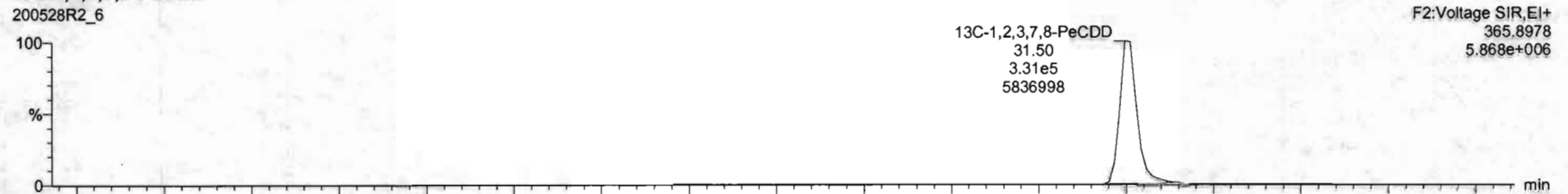


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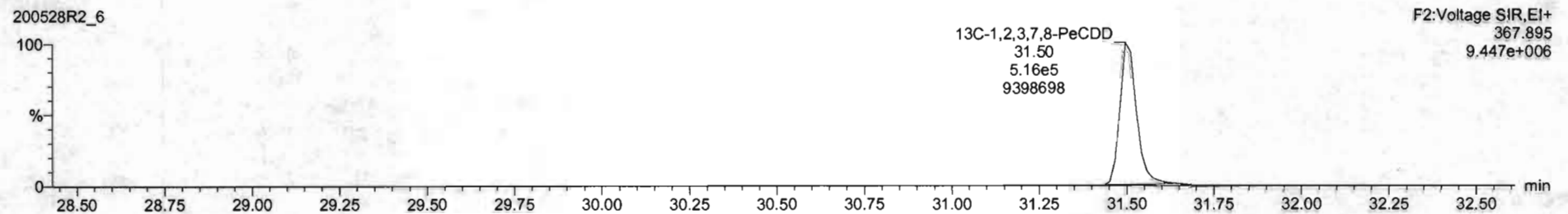


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200528R2_6



200528R2_6



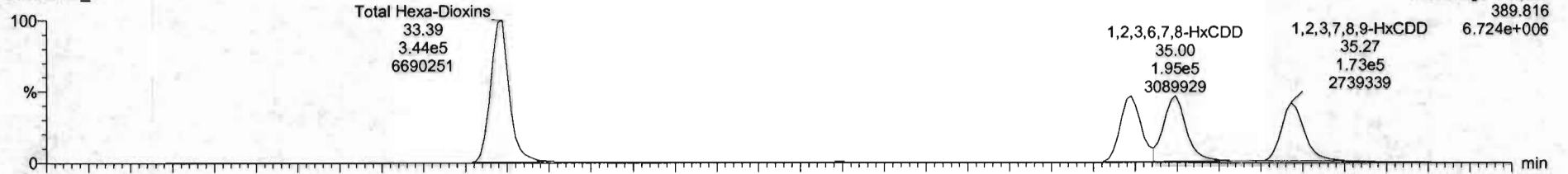
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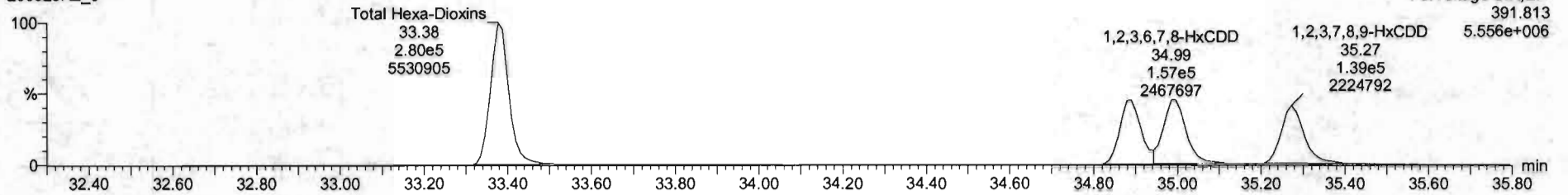
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1,2,3,4,7,8-HxCDD

200528R2_6

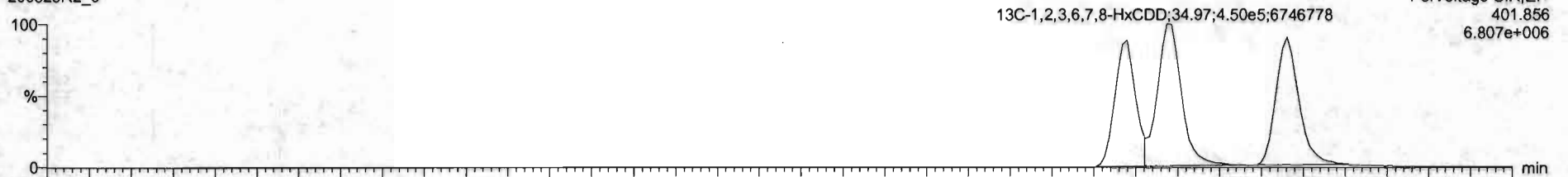


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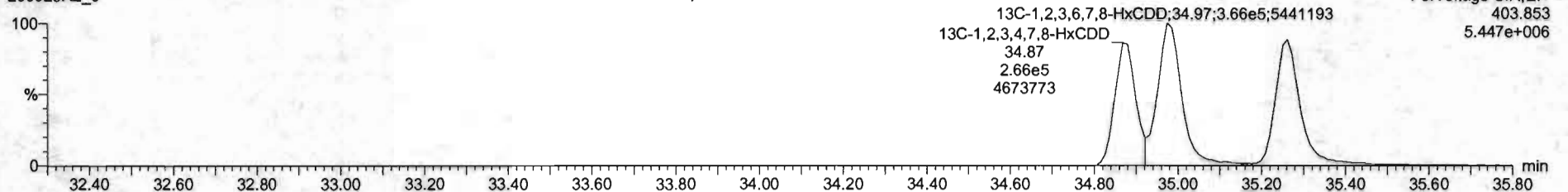


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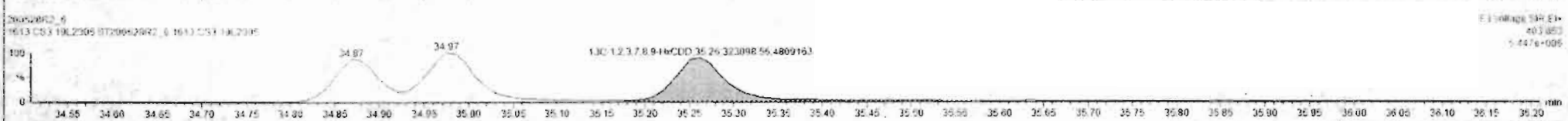
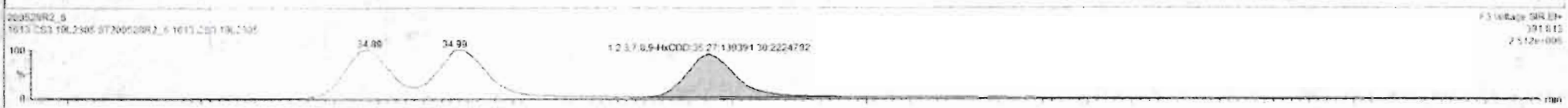
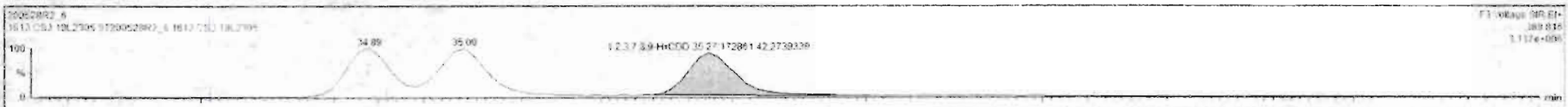
200528R2_6



200528R2_6



#	Name	Res#	RA	aly	RRT	sd/vol	RT	RRT	Conc.	%Rec	DL	LHPC
1	2,3,7,8-TCDD	1.06e5	0.91	NO	0.6203	1.000	26.59	1.001	10.2	102	0.0674	16.2
2	1,2,3,7,8-PeCDD	3.95e5	0.82	NO	0.9041	1.000	31.43	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	0.8921	1.000	34.20	1.001	48.3	98.8	0.271	48.3
5	1,2,3,7,8,9-HxCDD	3.12e5	1.24	NO	0.8859	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HxCDD	2.29e5	1.02	NO	0.9818	1.000	35.81	1.000	51.2	102	0.209	51.2
7	CDDX	4.53e5	0.98	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	9.90	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	0.9548	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	0.8822	1.000	34.13	1.000	51.9	104	0.179	51.9
13	1,2,3,4,6,7,8-HxCDF	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	0.8757	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	1,2,3,4,7,8,9-HpCDF	2.00e5	0.80	NO	1.0123	1.000	38.34	1.000	52.7	105	0.258	52.7
17	CDFX	4.44e5	0.85	NO	0.8505	1.000	41.97	1.000	102	102	0.161	102
18	1,2,3,7,8,9-TCDF	1.16e5	0.79	NO	1.1503	1.000	28.96	1.025	101	101	0.0990	
19	1,2,3,4,6,7,8-HxCDF	8.48e5	0.84	NO	0.8450	1.000	31.50	1.215	100	100	0.205	
20	1,2,3,4,7,8-HxCDF	8.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	
21	1,2,3,6,7,8-HxCDF	8.19e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



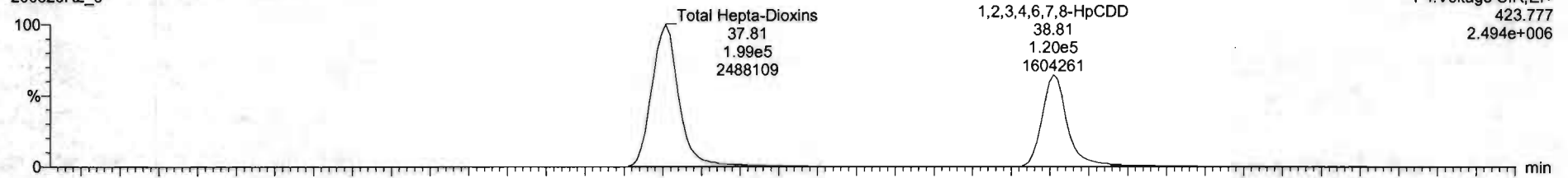
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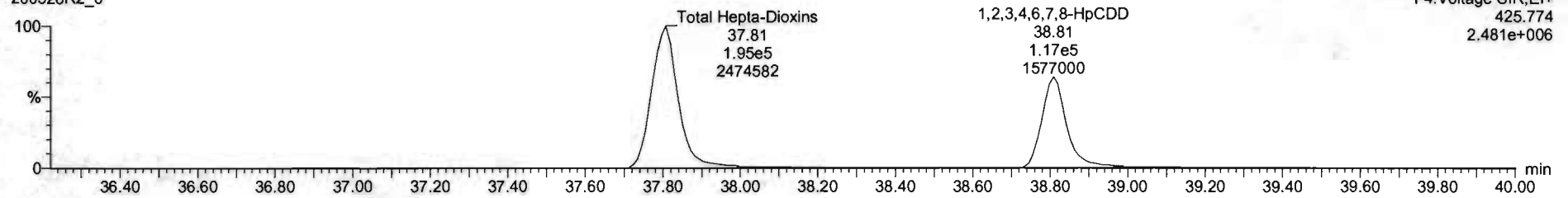
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1,2,3,4,6,7,8-HpCDD

200528R2_6

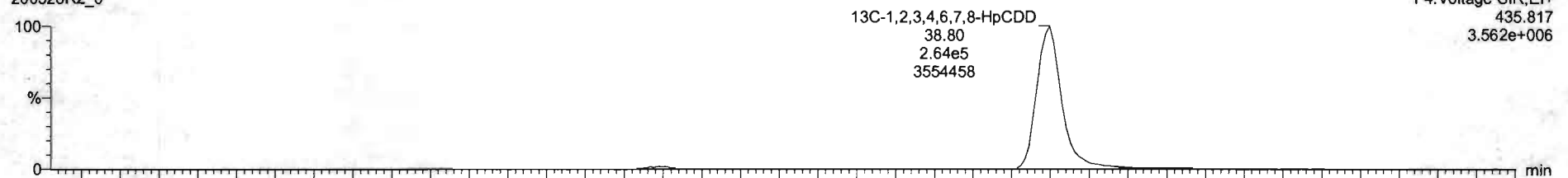


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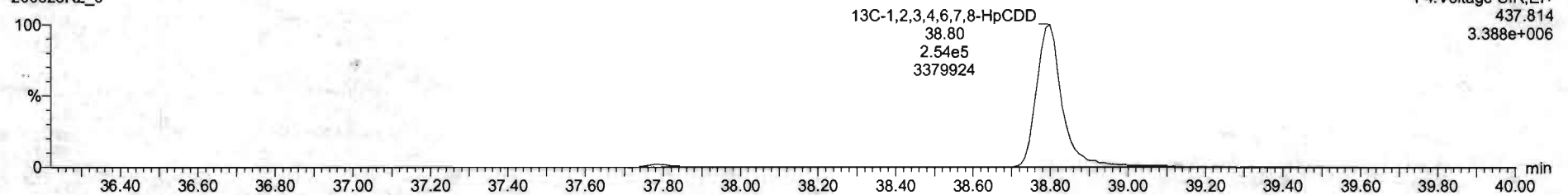


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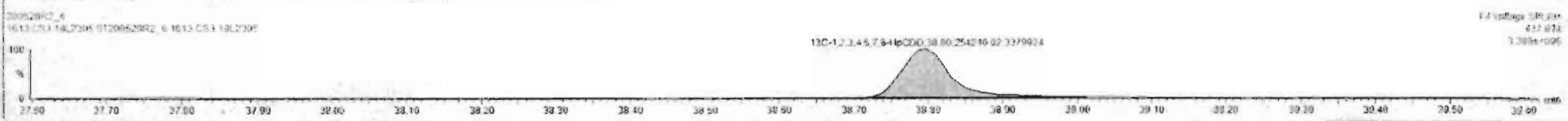
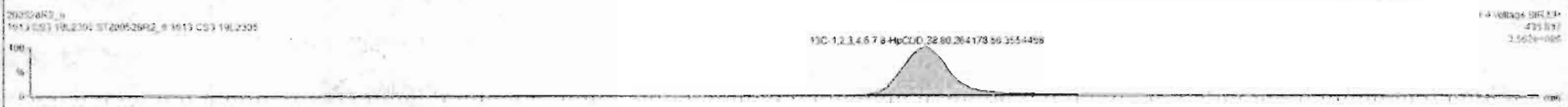
200528R2_6



200528R2_6



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2	1,2,3,4,6,7,8-HpCDD	3.95e5	0.82	NO	0.901	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	0.897	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	1,2,3,4,6,7,8,9-HxCDD	3.95e5	1.03	NO	0.899	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	1,1,1,6-TCDF	1.19e5	0.74	NO	0.710	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.895	1.000	30.25	1.000	51.0	102	0.150	51.0
10	1,2,3,7,8-PeCDF	5.81e5	1.57	NO	0.938	1.000	31.22	1.000	50.3	101	0.150	50.3
11	1,2,3,4,7,8-HxCDF	3.58e5	1.21	NO	0.854	1.000	34.31	1.000	51.1	102	0.151	51.1
12	1,2,3,6,7,8-HpCDF	4.22e5	1.25	NO	0.855	1.000	34.13	1.000	51.9	104	0.170	51.9
13	1,2,3,4,6,7,8-HxCDF	3.08e5	1.25	NO	0.904	1.000	34.72	1.000	51.9	104	0.157	51.9
14	1,2,3,7,8-HpCDF	3.98e5	1.22	NO	0.870	1.000	35.03	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.54e5	0.98	NO	0.873	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-1,2,3,7,8-TCDF	1.16e5	0.79	NO	1.150	1.000	29.56	1.026	101	101	0.0980	
19	13C-1,2,3,7,8-PeCDF	3.48e5	0.84	NO	0.940	1.000	33.59	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HpCDF	8.04e5	1.27	NO	0.7750	1.000	34.58	1.014	98.9	98.9	0.188	
21	13C-1,2,3,6,7,8-HpCDF	8.15e5	1.23	NO	1.0487	1.000	34.97	1.017	102	102	0.144	



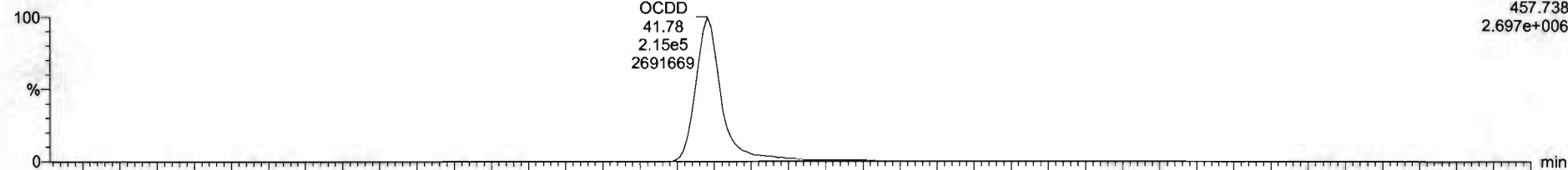
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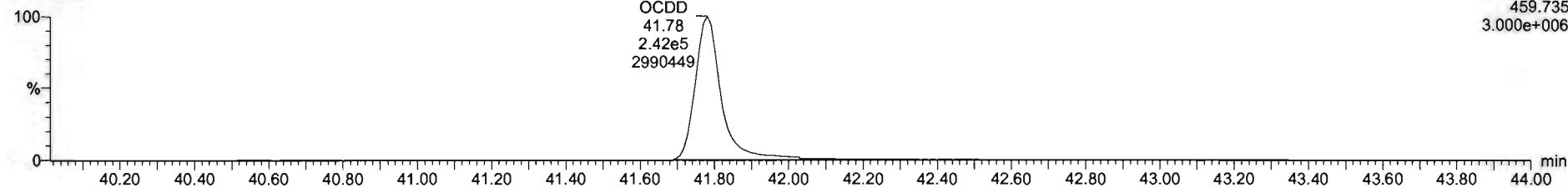
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OCDD

200528R2_6

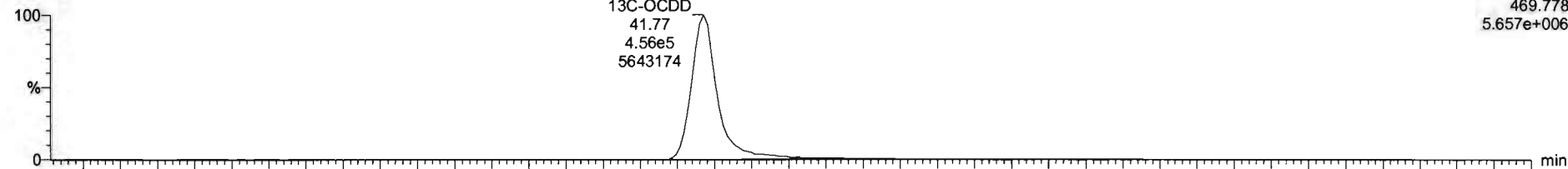


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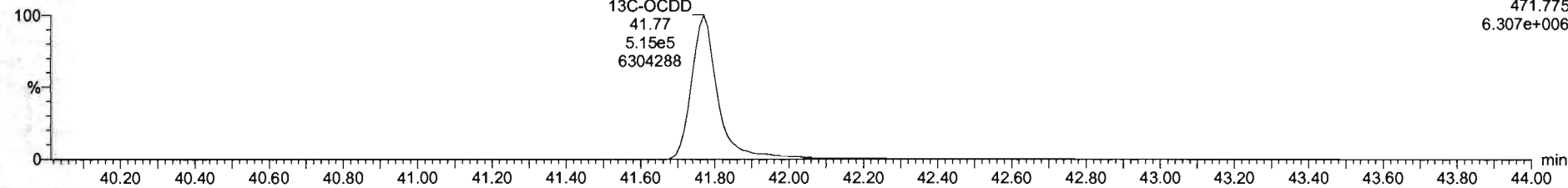


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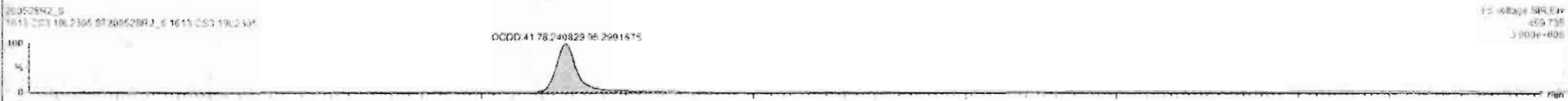
200528R2_6



200528R2_6



ID	Name	Resp	RA	Qty	RHF	WVol	RT	RRT	Conc	%Rec	DL	EMFC
1	2,3,7,8-TCDD	1.96e6	0.21	NO	0.8843	1.000	26.19	1.001	10.2	102	0.0664	10.2
2	1,2,3,7,8-PeCDD	3.96e6	0.22	NO	0.9091	1.000	31.92	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDD	3.25e6	1.25	NO	1.0334	1.000	34.89	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDD	3.51e6	1.24	NO	0.8027	1.000	35.30	1.001	46.3	96.6	0.253	46.3
5	1,2,3,7,8,9-HxCDD	3.12e6	1.24	NO	0.9063	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	7.36e6	1.52	NO	1.0881	1.000	35.81	1.000	71.1	101	0.216	71.1
7	OCDD	4.53e5	0.28	NO	0.9138	1.000	41.76	1.000	102	102	0.208	102
8	2,3,7,8-TCDF	1.19e6	0.24	NO	0.7510	1.000	25.89	1.001	3.96	99.6	0.0613	9.96
9	1,2,3,7,8-PeCDF	5.72e6	1.57	NO	0.8925	1.000	30.25	1.000	51.2	102	0.159	51.2
10	2,3,4,7,8-HxCDF	8.81e6	1.57	NO	0.9346	1.000	31.22	1.000	50.3	101	0.130	50.3
11	1,2,3,4,7,8-HxCDF	3.56e6	1.21	NO	0.8544	1.000	34.91	1.000	51.1	102	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e6	1.25	NO	0.8062	1.000	34.12	1.000	51.9	104	0.176	51.9
13	2,3,4,6,7,8-HxCDF	3.88e6	1.25	NO	0.9341	1.000	34.22	1.000	51.9	104	0.197	51.9
14	1,2,3,7,8,9-HxCDF	2.98e6	1.22	NO	0.8707	1.000	35.43	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.64e6	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	2.06e6	0.98	NO	1.0128	1.000	39.34	1.000	52.7	105	0.253	52.7
17	OCDF	4.44e6	0.80	NO	0.8045	1.000	41.87	1.000	102	102	0.161	102
18	13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.1563	1.000	26.96	1.025	101	101	0.0900	
19	13C-1,2,3,7,8-PeCDD	8.46e6	0.84	NO	0.8490	1.000	31.98	1.215	100	100	0.225	
20	13C-1,2,3,4,7,8-HxCDD	6.04e6	1.27	NO	0.7750	1.000	34.88	1.014	96.9	96.9	0.198	
21	13C-1,2,3,6,7,8-HxCDD	6.15e6	1.23	NO	1.0167	1.000	34.97	1.017	102	102	0.144	



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200528R2_6

CAP NUM

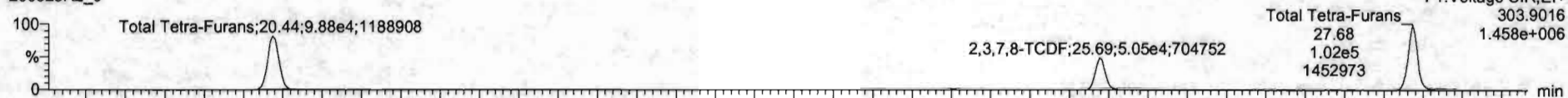
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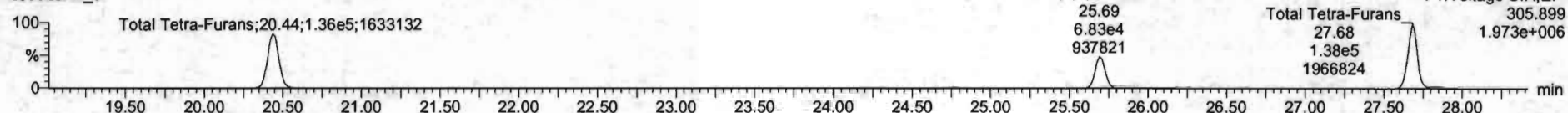
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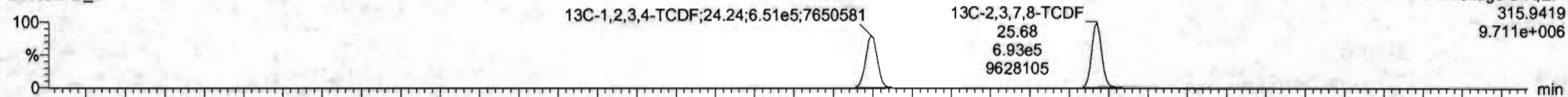


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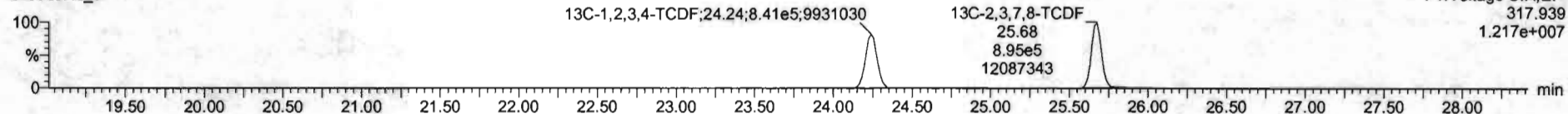


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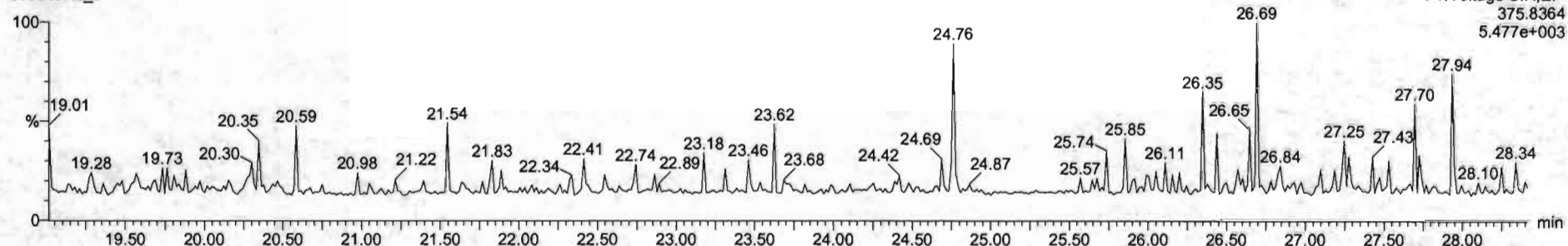


200528R2_6



DPE1

200528R2_6



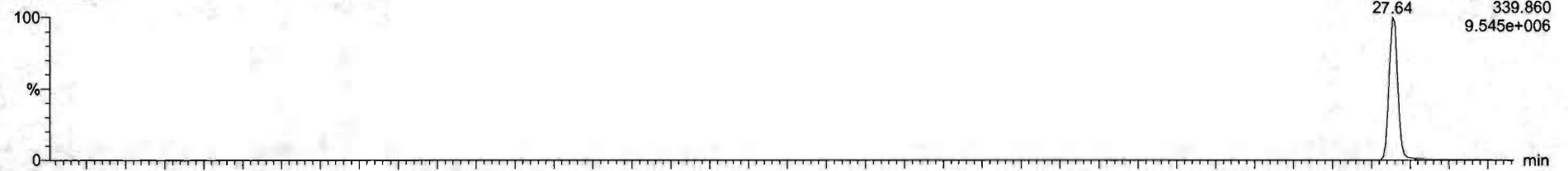
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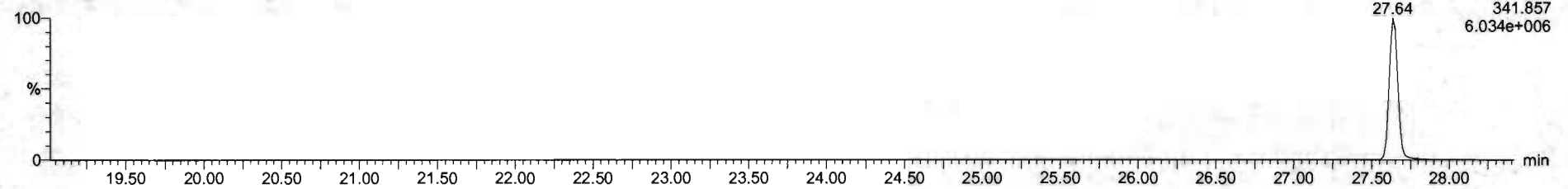
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200528R2_6

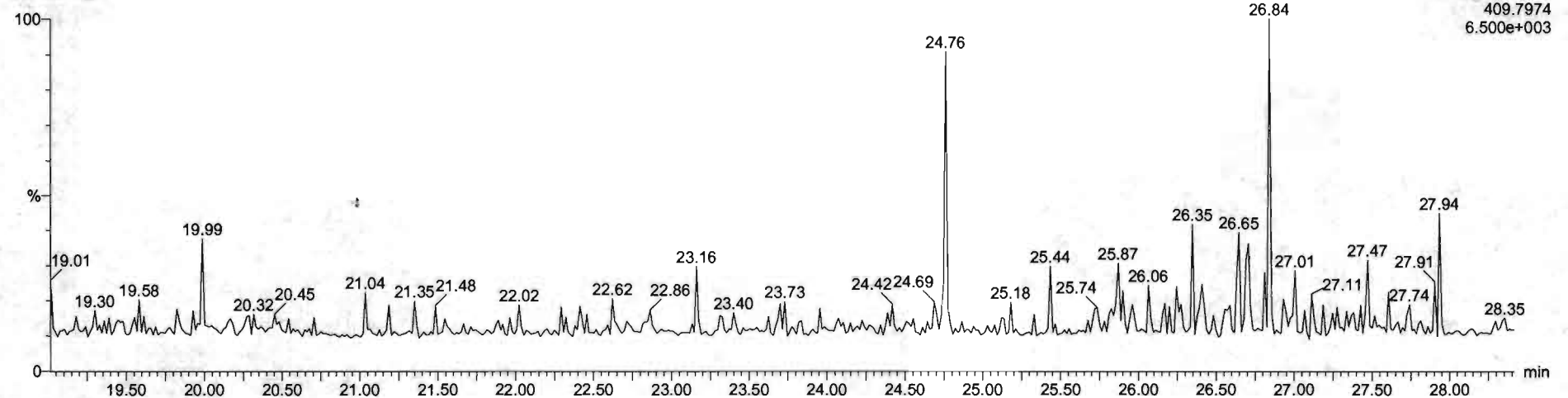


200528R2_6



DPE6

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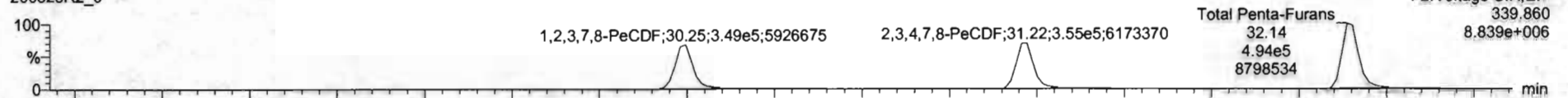
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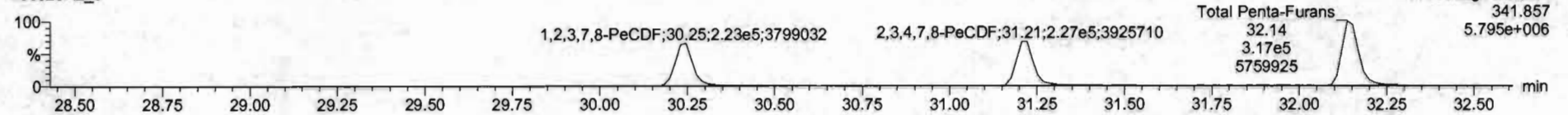
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200528R2_6

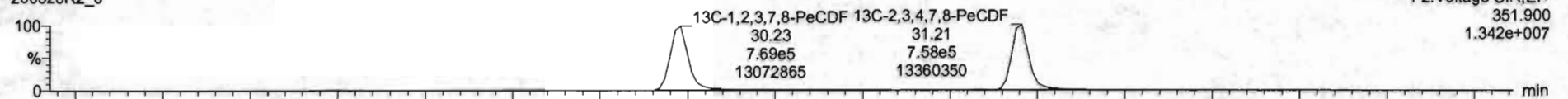


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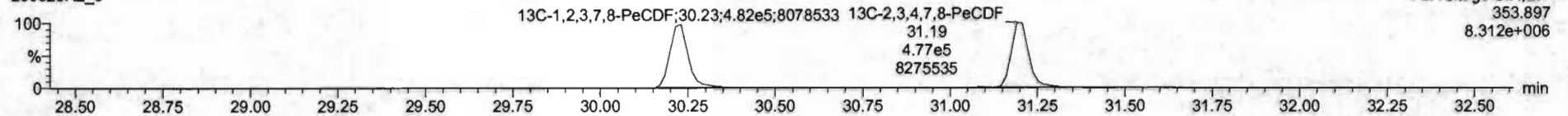


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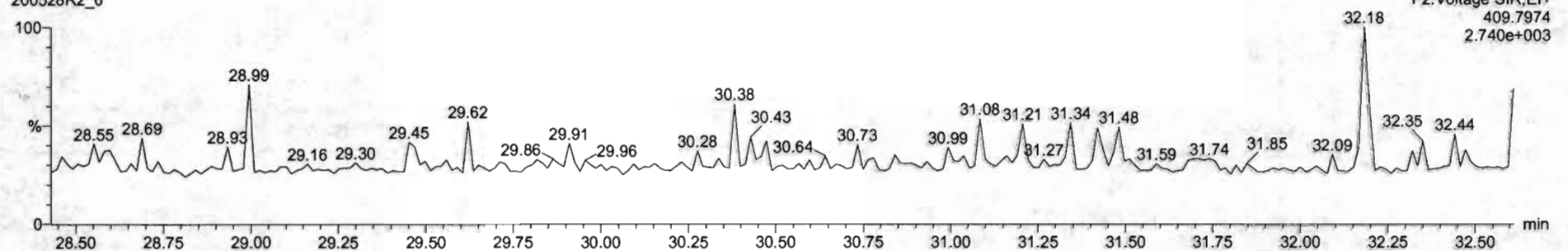


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DPE2

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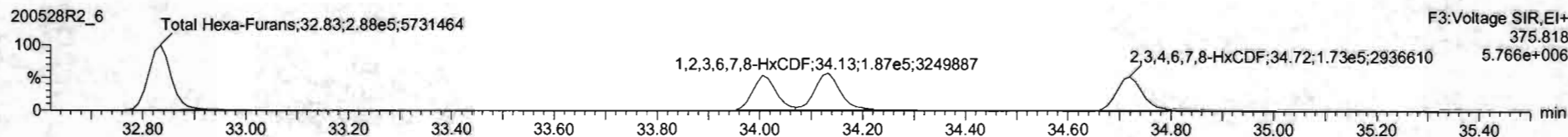
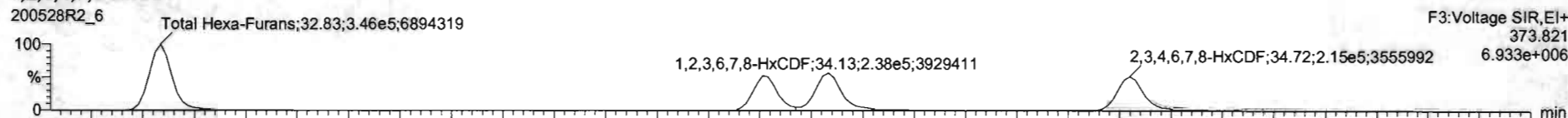


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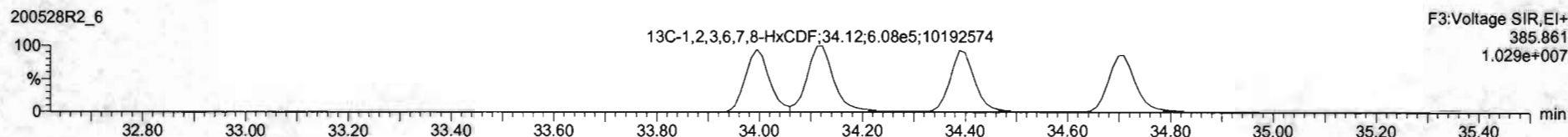
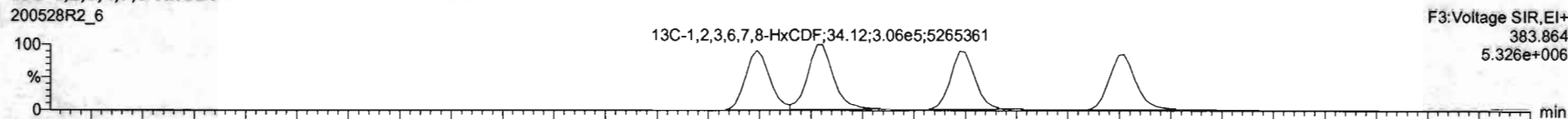
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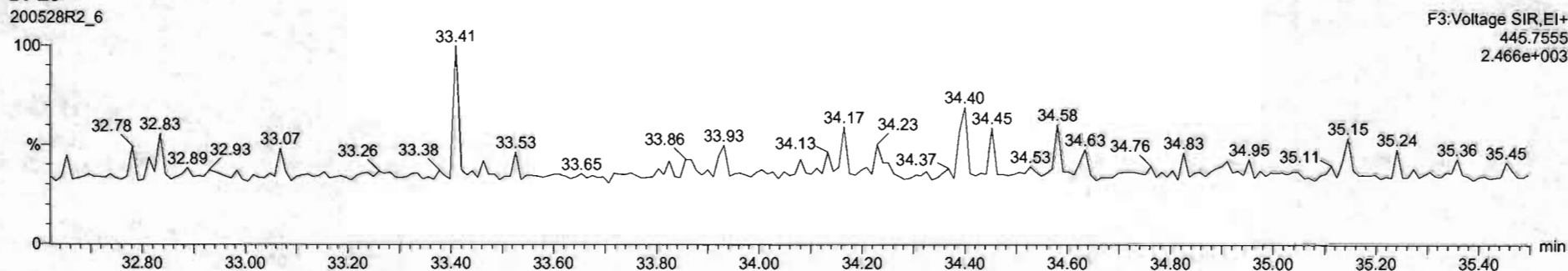
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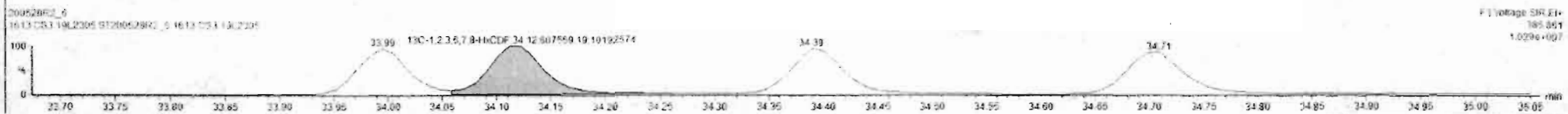
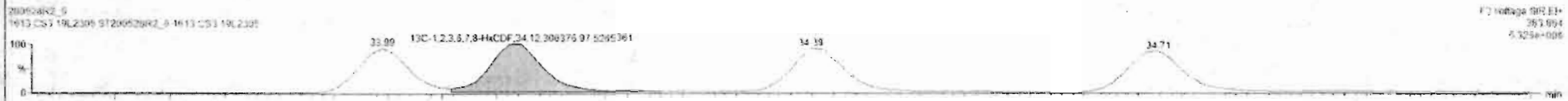
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DPE3



Name	Resp	RA	WV	RRF	WtVal	RT	RRT	Conc	%Rec	DL	EMPC
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	52.1	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 1,2,3,4,7,8-HxCDF	0.91e5	1.57	NO	0.9248	1.000	31.22	1.000	50.3	101	0.130	50.3
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	0.22e5	1.25	NO	0.8092	1.000	34.13	1.000	51.9	104	0.170	51.9
13 1,2,3,4,6,7,8-HpCDF	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	0.98e5	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
16 1,2,3,4,7,8,9-HpCDF	0.20e5	0.86	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
18 13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.1583	1.000	26.56	1.026	101	101	0.0890	
19 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	34.86	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	



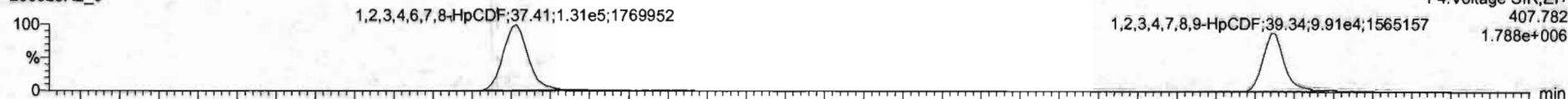
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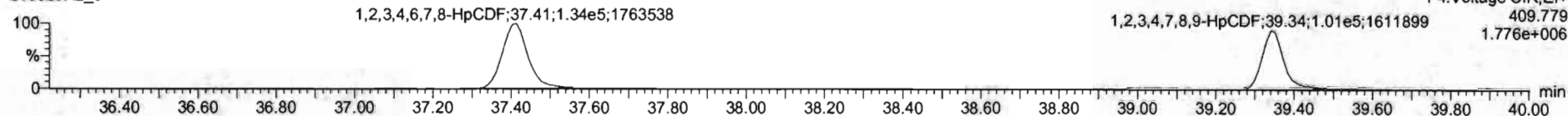
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200528R2_6

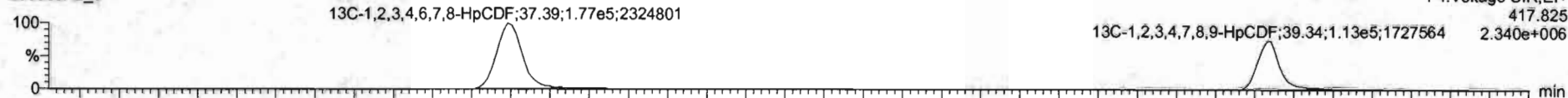


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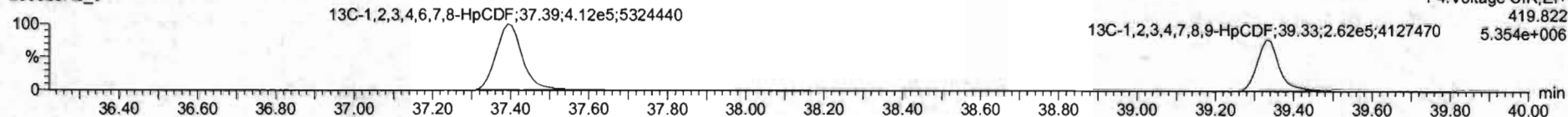


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200528R2_6

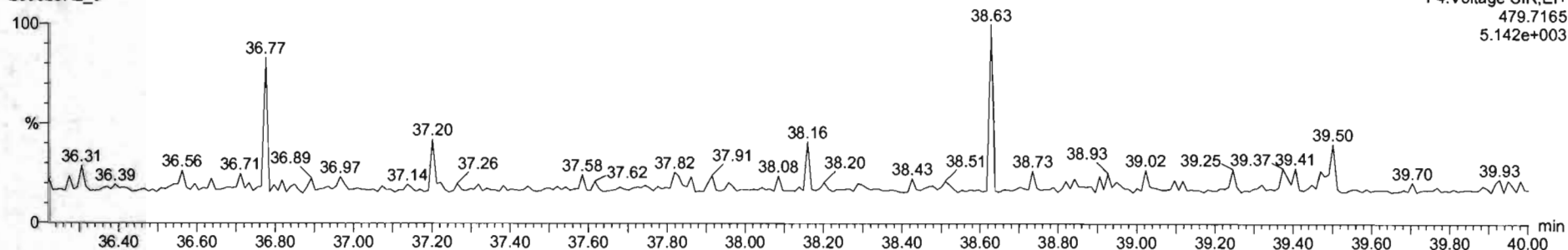


200528R2_6



DPE4

200528R2_6



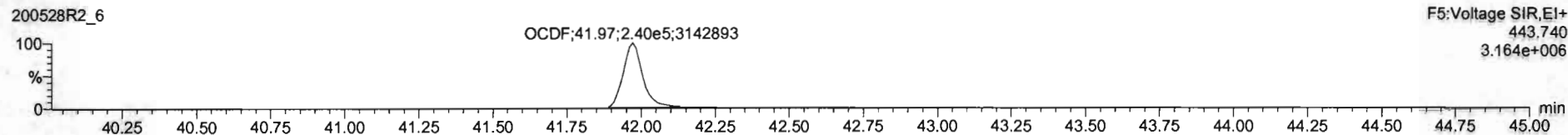
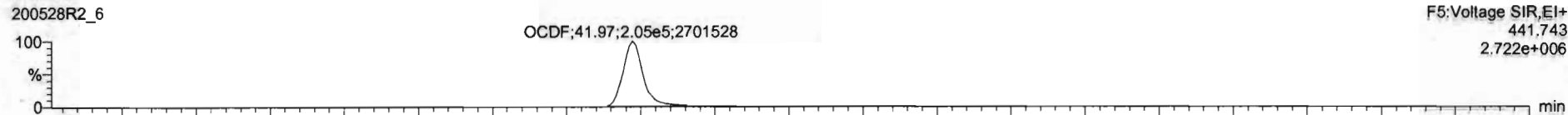
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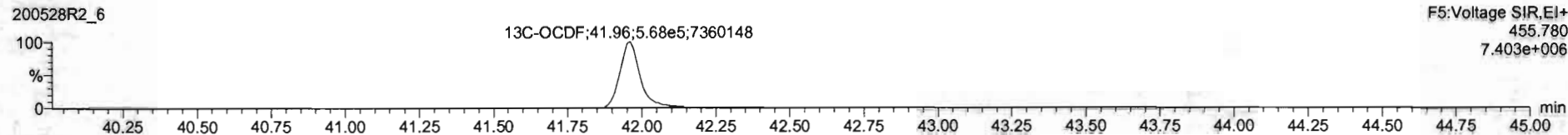
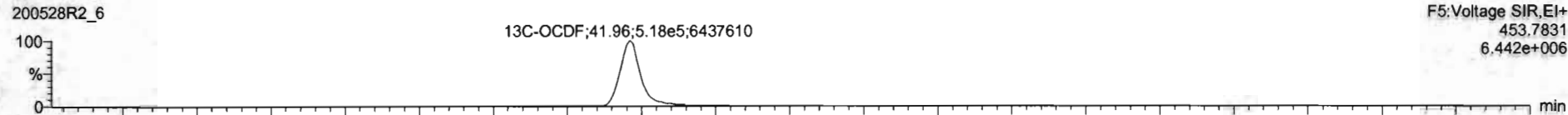
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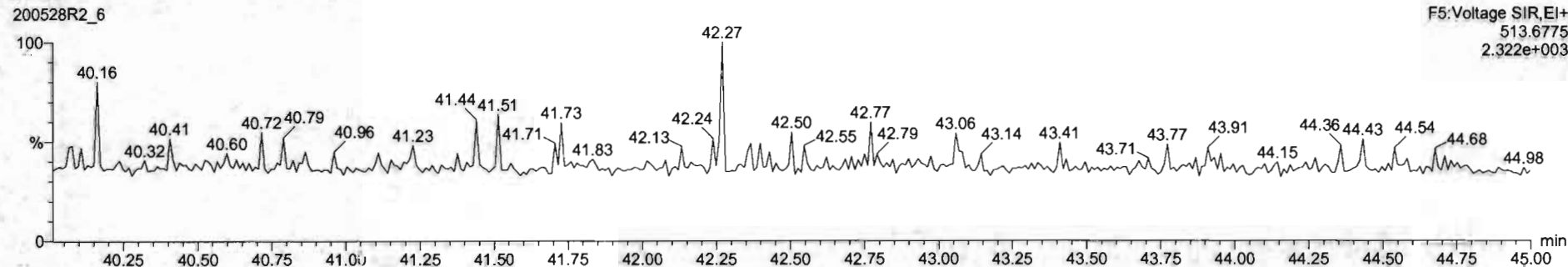
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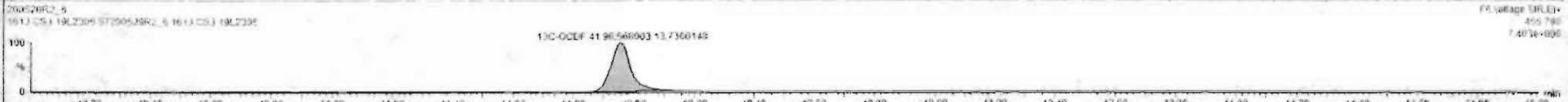
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DPE5



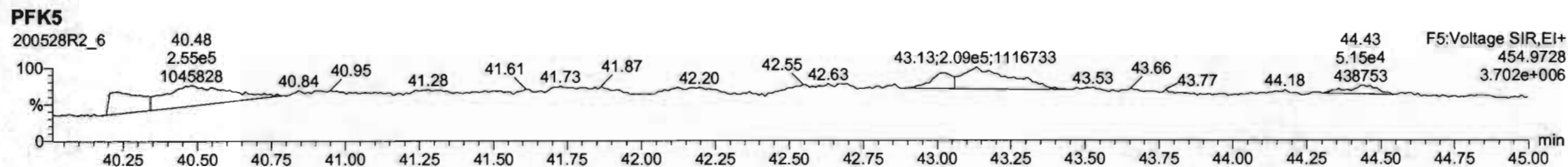
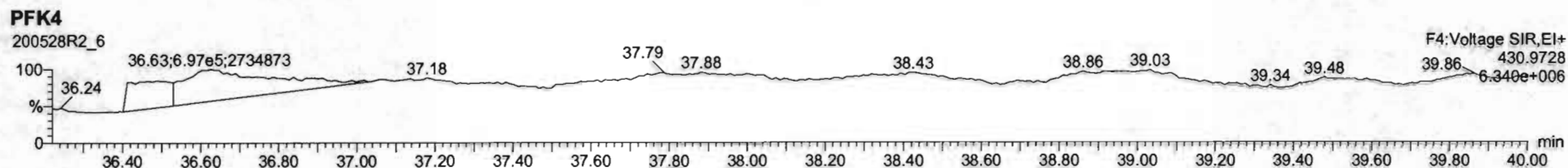
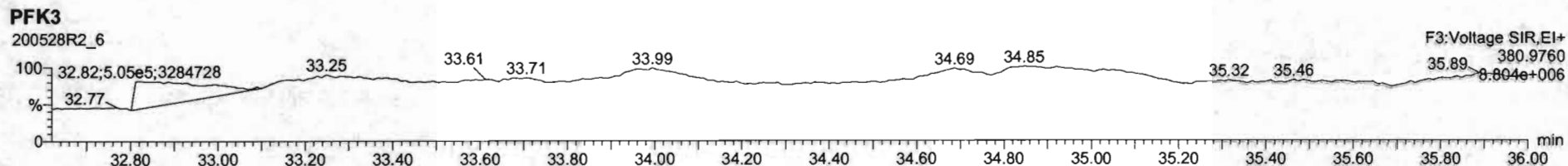
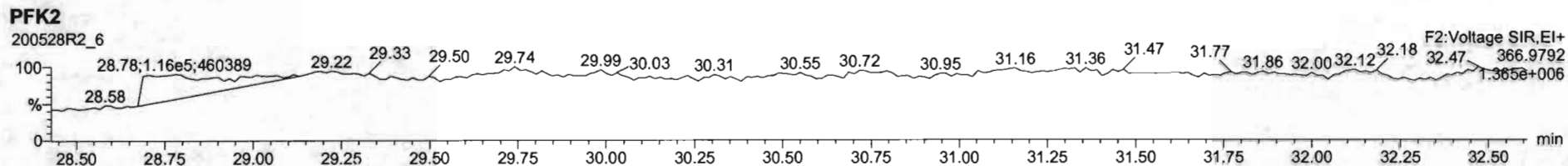
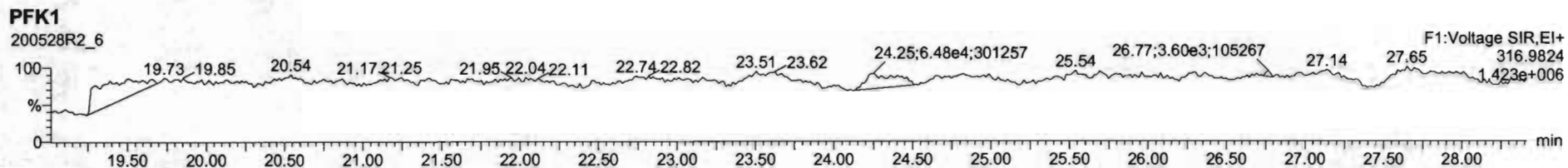
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2	1,2,3,7,8-PeCDF	3.56e5	0.62	NO	0.8091	1.000	31.53	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDF	0.25e5	1.23	NO	1.0334	1.000	34.99	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDF	7.51e5	1.38	NO	0.8521	1.000	35.00	1.001	48.3	96.6	0.231	48.3
5	1,2,3,7,8,9-HxCDF	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-HxCDD	1.06e5	1.01	NO	1.9839	1.000	36.81	1.000	73.2	102	0.109	73.2
7	OCDF	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-HxCDF	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-HxCDF	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-TCDF	1.16e6	0.79	NO	1.1583	1.000	26.96	1.026	101	101	0.0680	
19	13C-1,2,3,7,8-PeCDF	0.48e5	0.84	NO	0.8456	1.000	31.56	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HxCDD	0.04e5	1.27	NO	0.7750	1.000	34.88	1.014	95.9	95.9	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	



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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	

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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

	# 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	

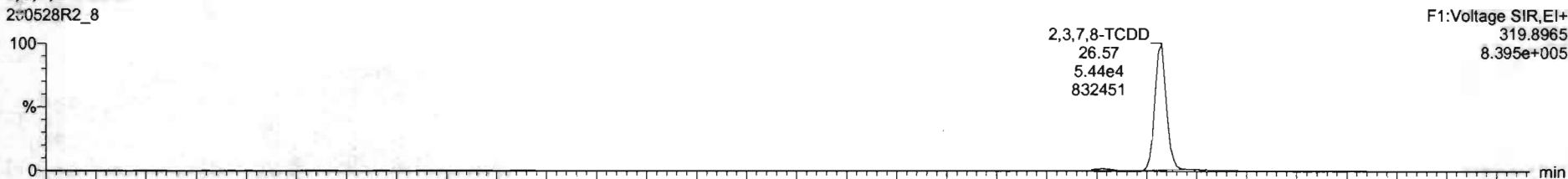
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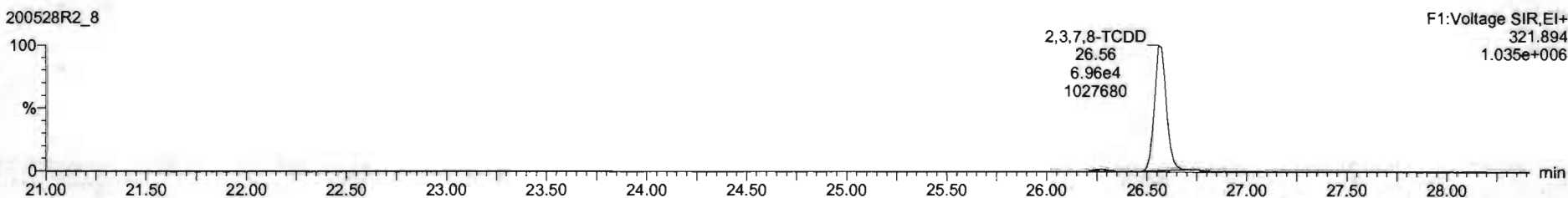
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

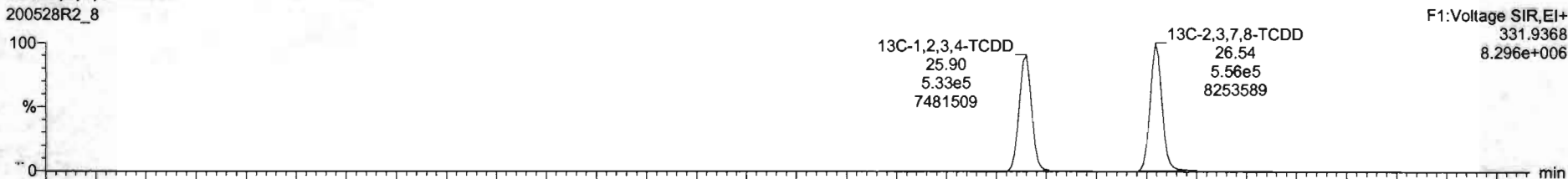
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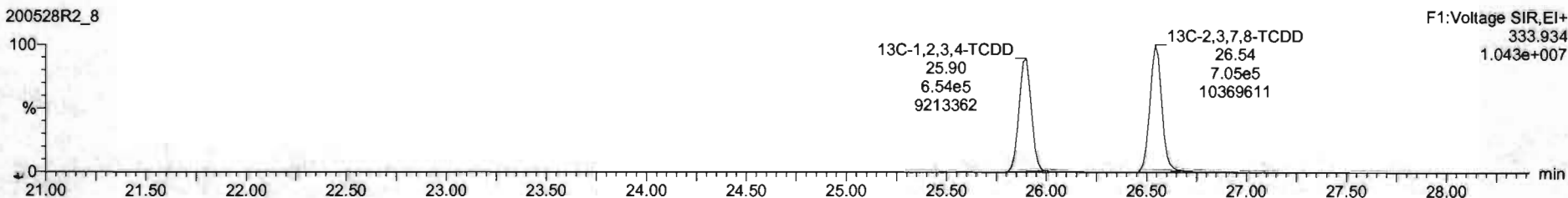
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200528R2_8



200528R2_8



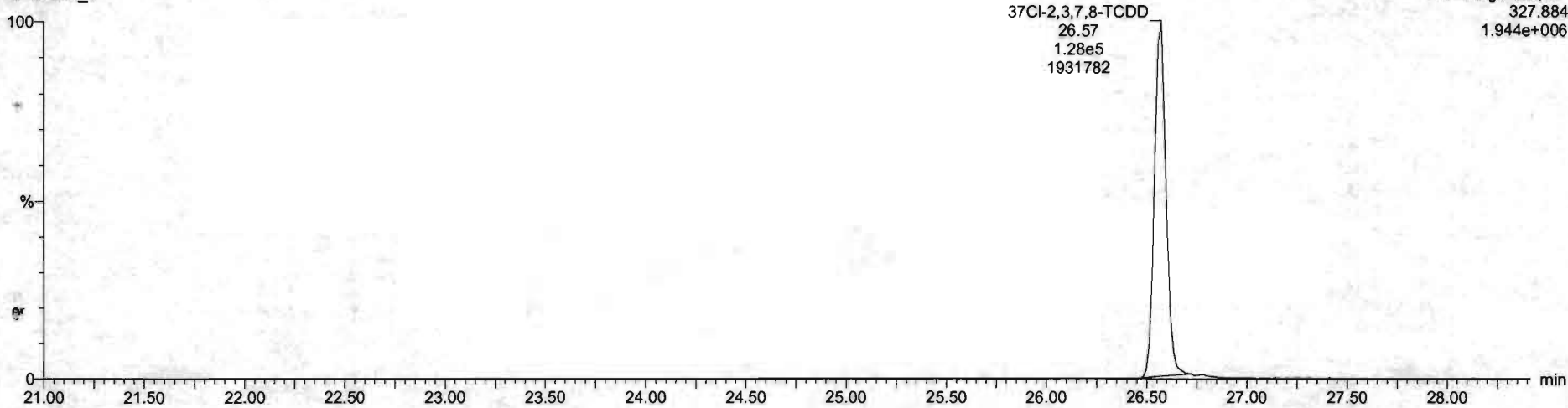
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200528R2_8



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327.884
1.944e+006

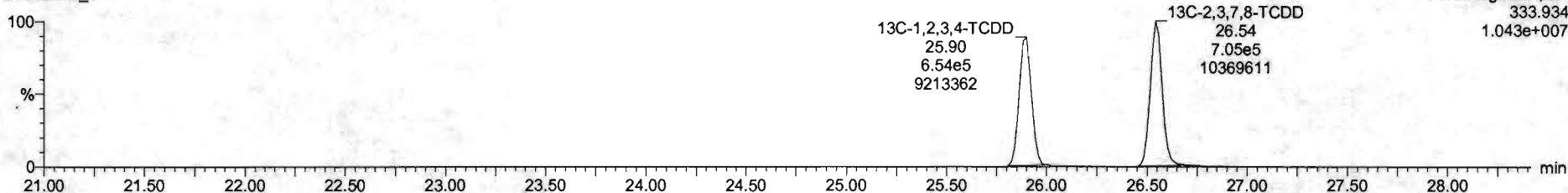
13C-1,2,3,4-TCDD

200528R2_8



F1:Voltage SIR,EI+
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8.296e+006

200528R2_8



F1:Voltage SIR,EI+
333.934
1.043e+007

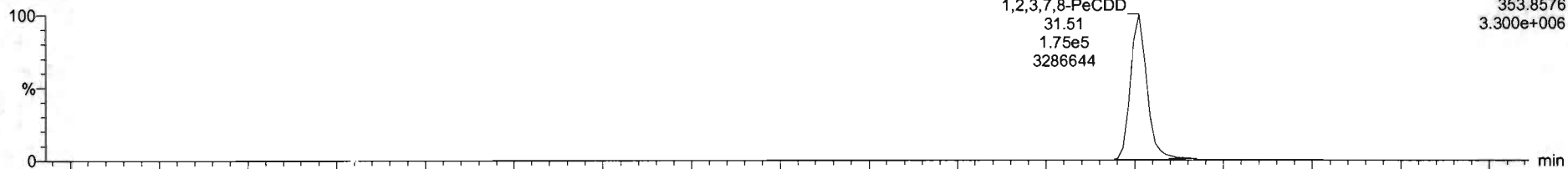
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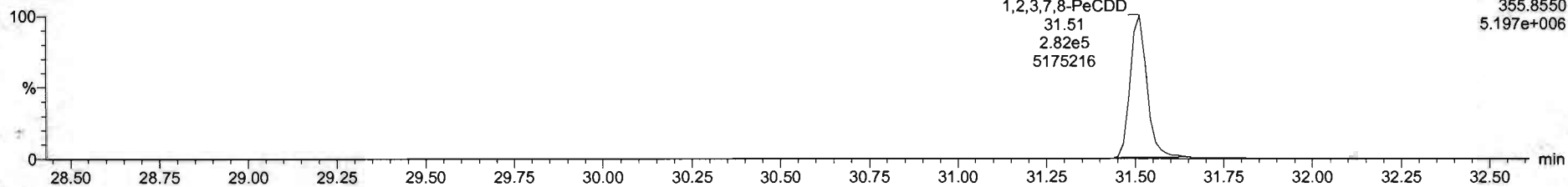
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1,2,3,7,8-PeCDD

200528R2_8

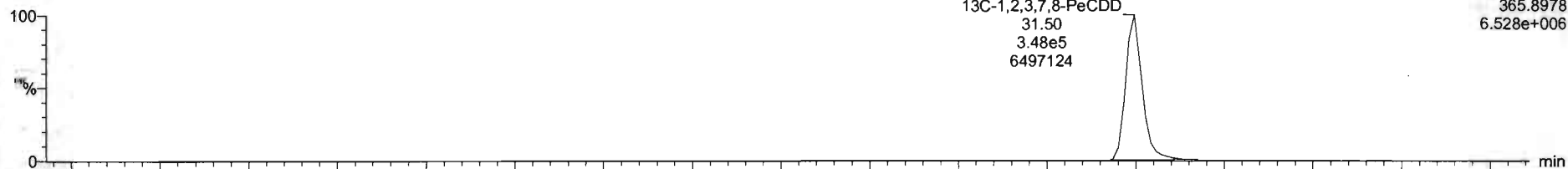


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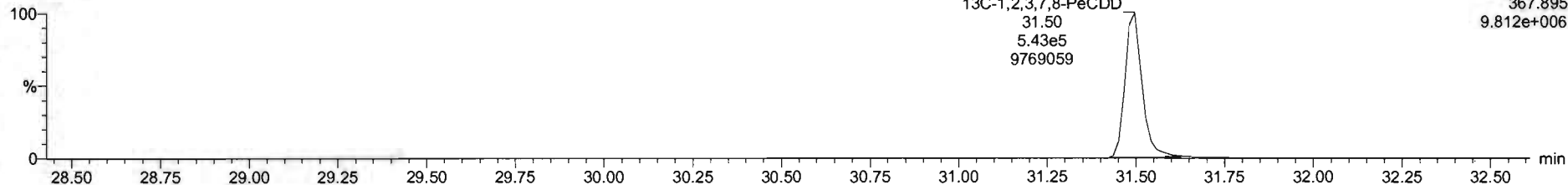


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200528R2_8



200528R2_8



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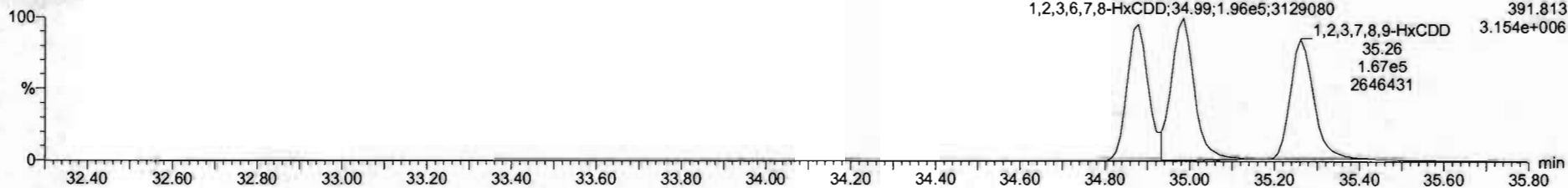
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1,2,3,4,7,8-HxCDD

200528R2_8

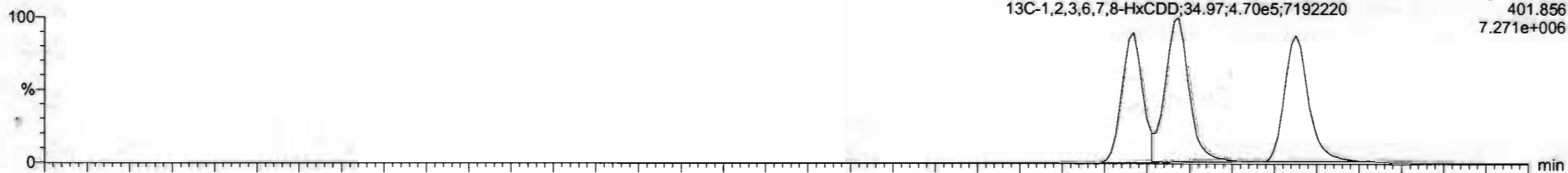


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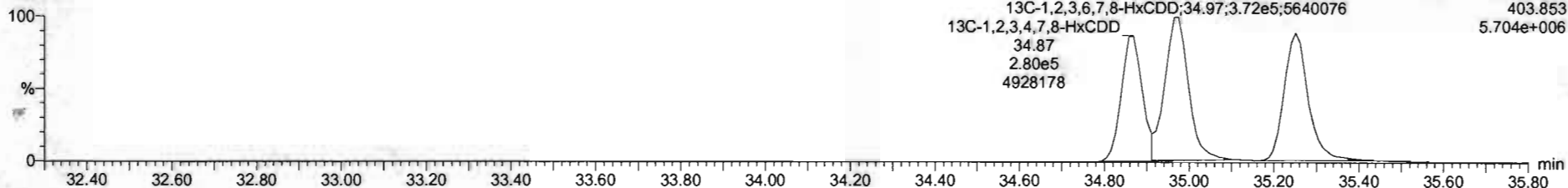


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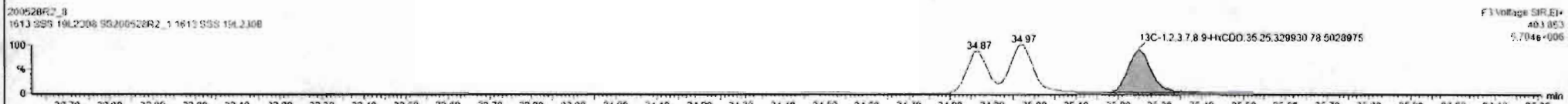
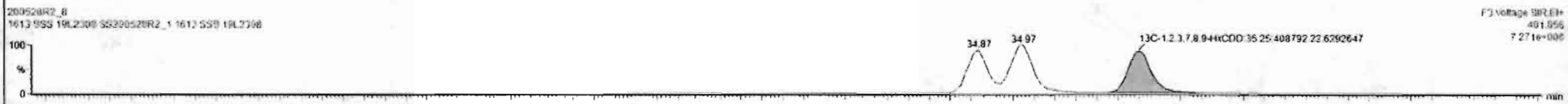
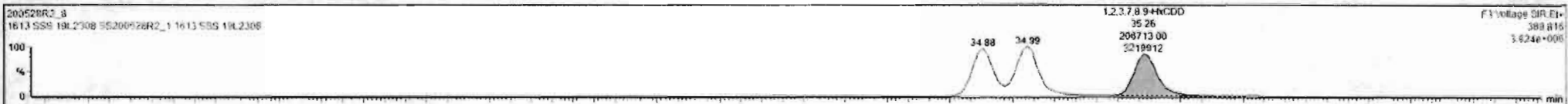
200528R2_8



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	0.136	



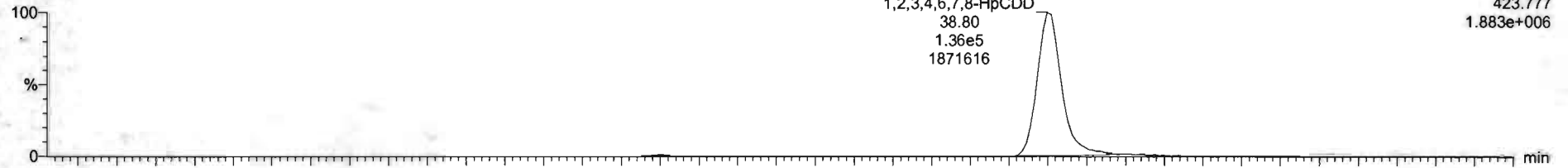
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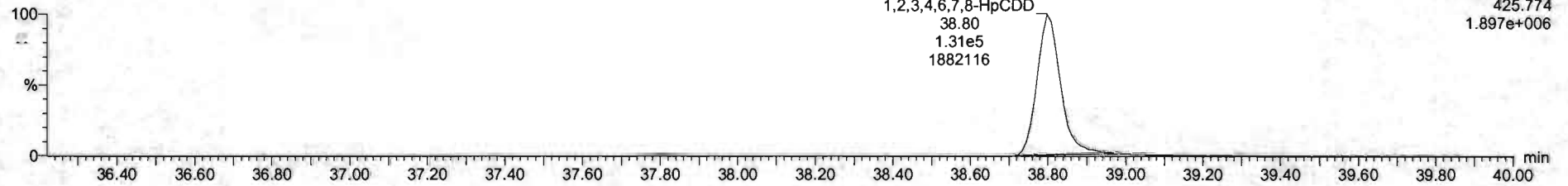
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200528R2_8

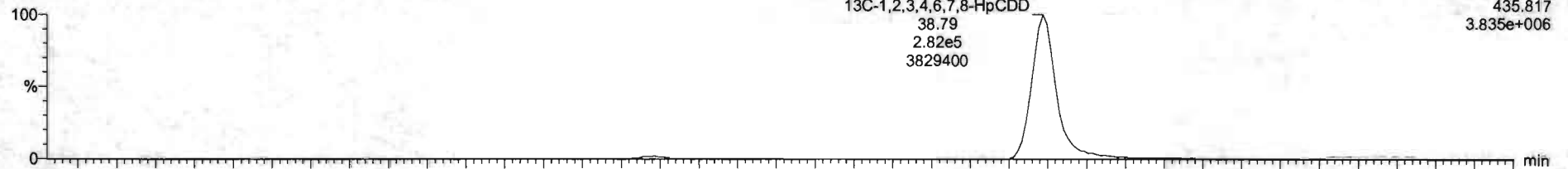


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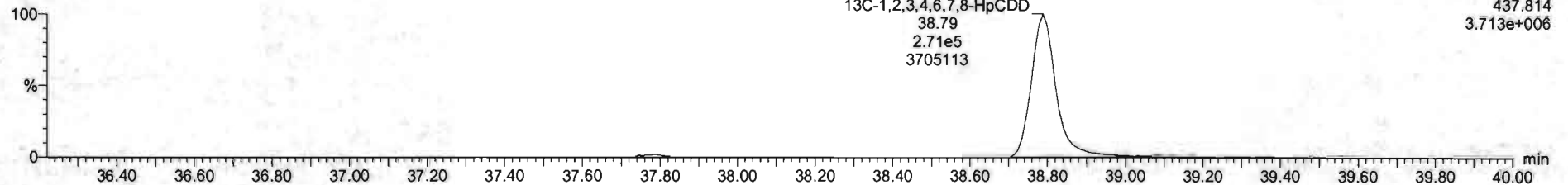


13C-1,2,3,4,6,7,8-HpCDD

200528R2_8



200528R2_8



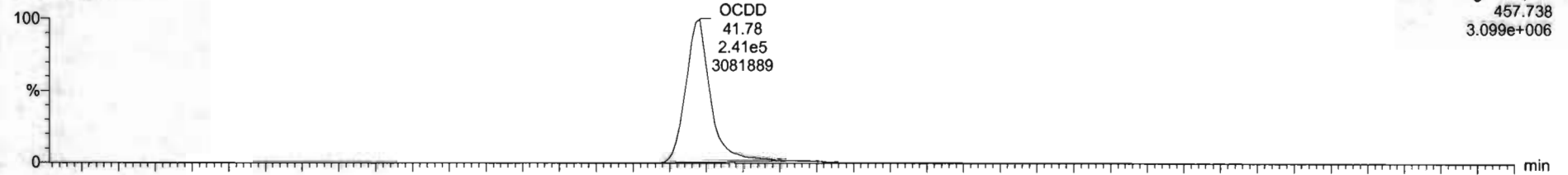
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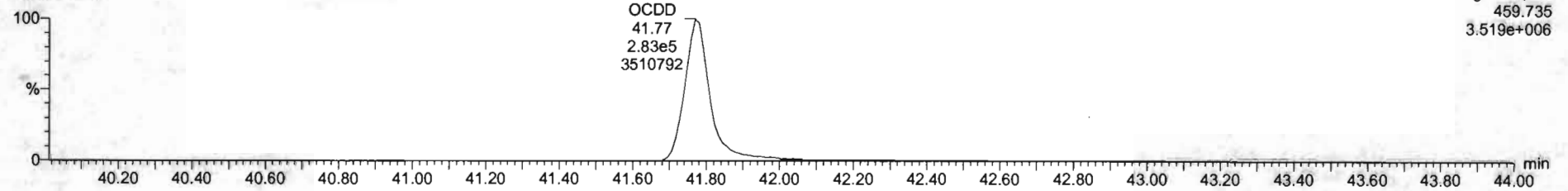
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OCDD

200528R2_8

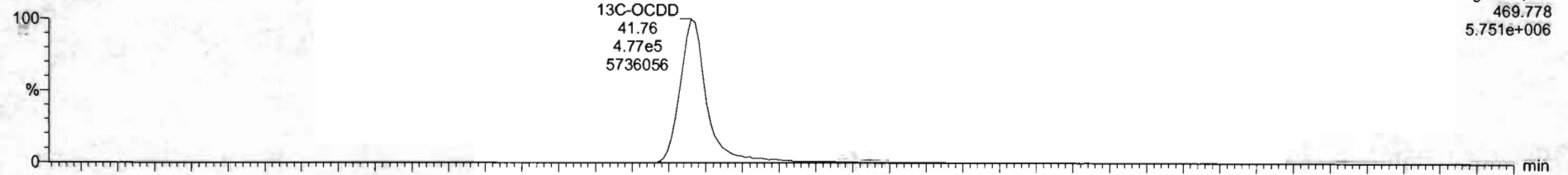


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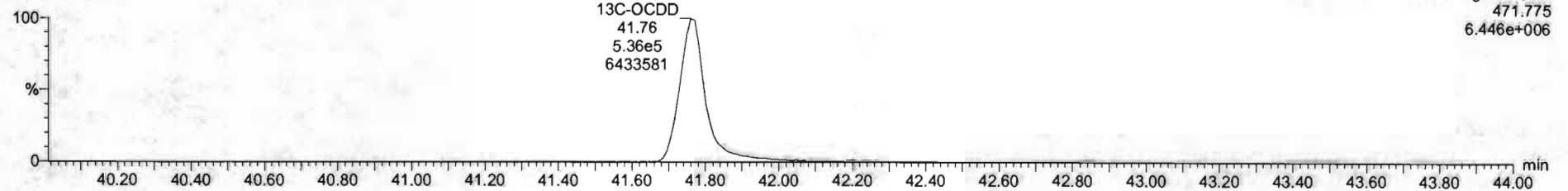


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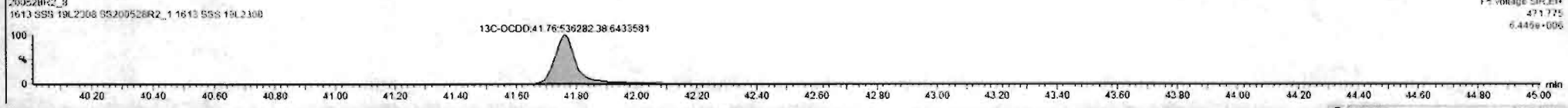
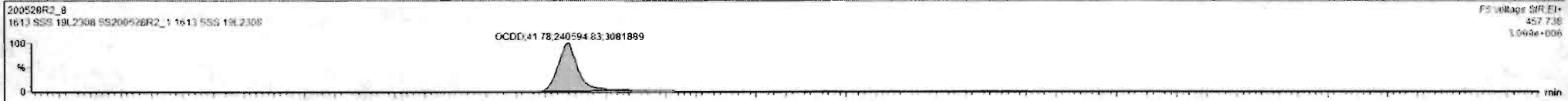
200528R2_8



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	55.6
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	116	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	2.53e5	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	2.18e5	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	



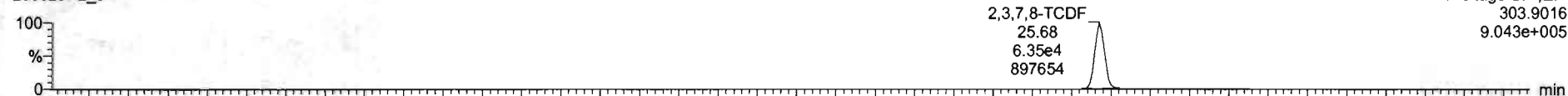
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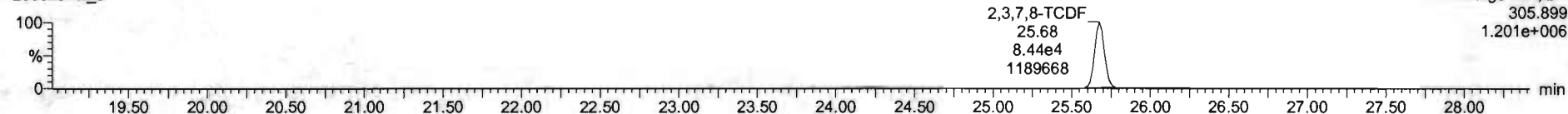
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2,3,7,8-TCDF

200528R2_8

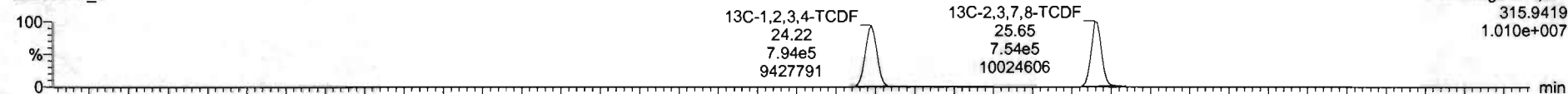


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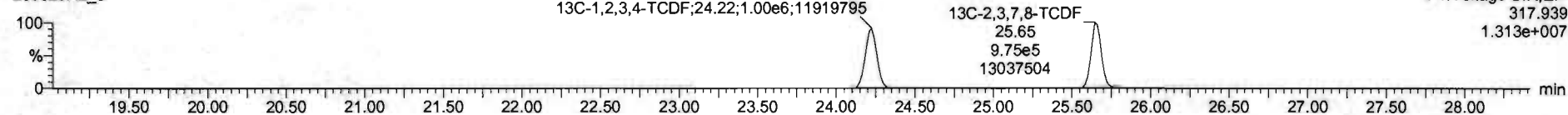


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200528R2_8

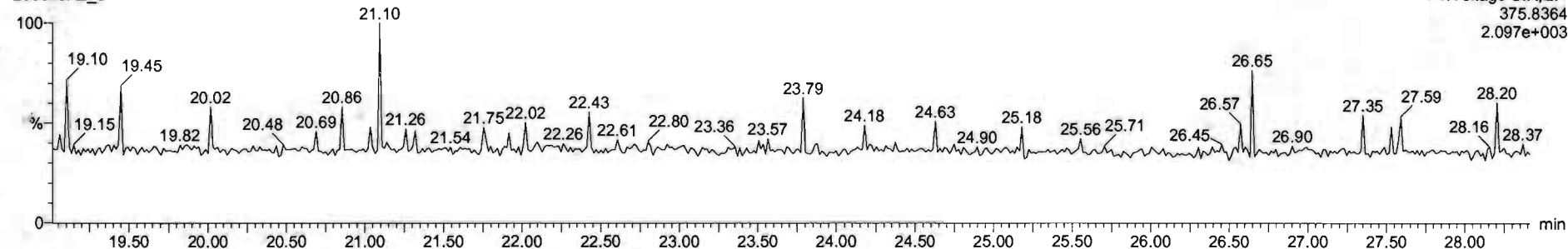


200528R2_8



DPE1

200528R2_8



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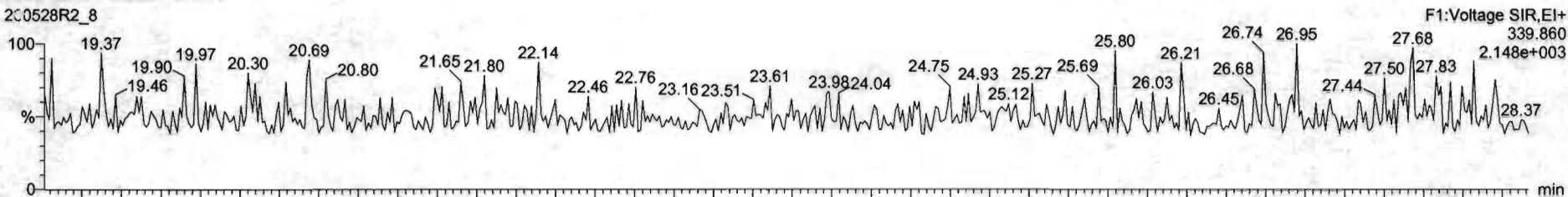
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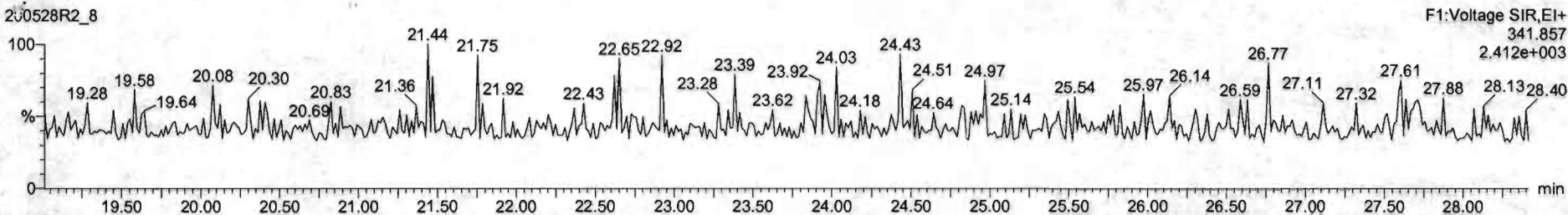
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

1st Func. Penta-Furans

200528R2_8

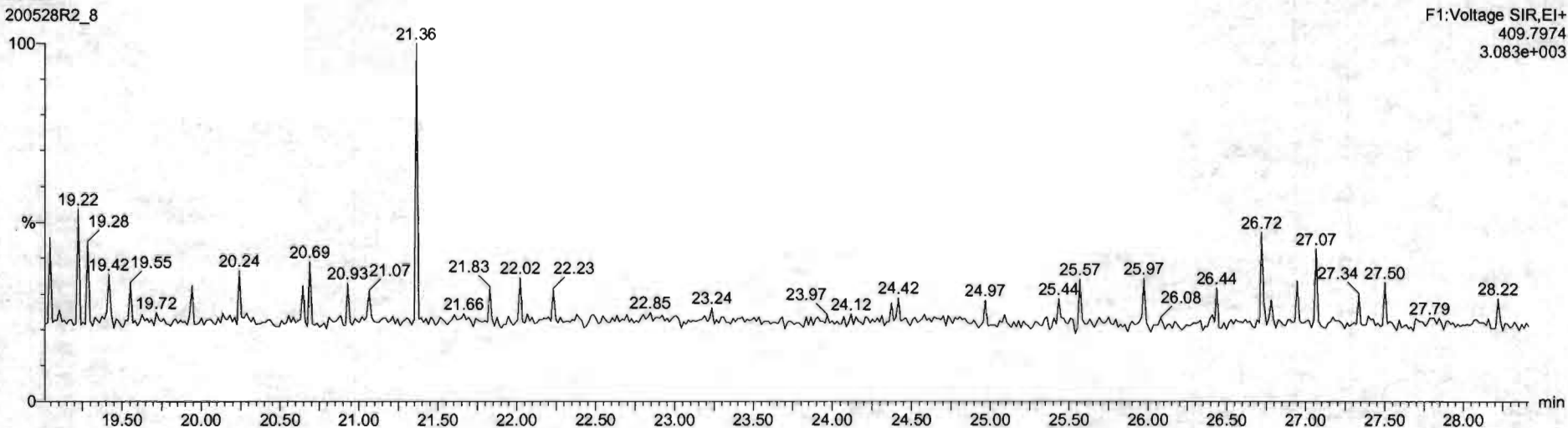


200528R2_8



DPE6

200528R2_8



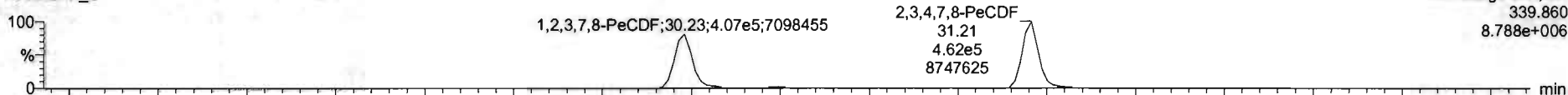
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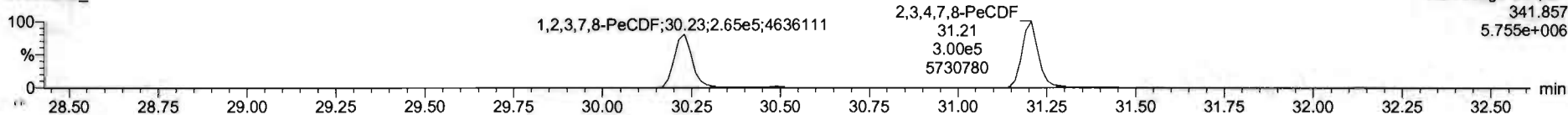
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200528R2_8



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339.860
8.788e+006

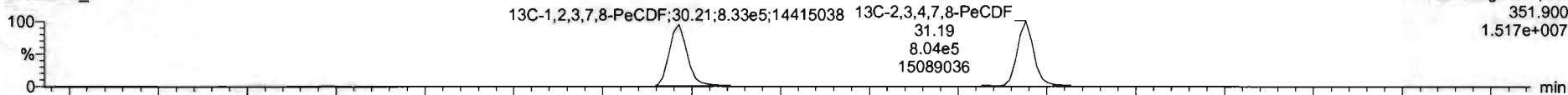
200528R2_8



F2:Voltage SIR,EI+
341.857
5.755e+006

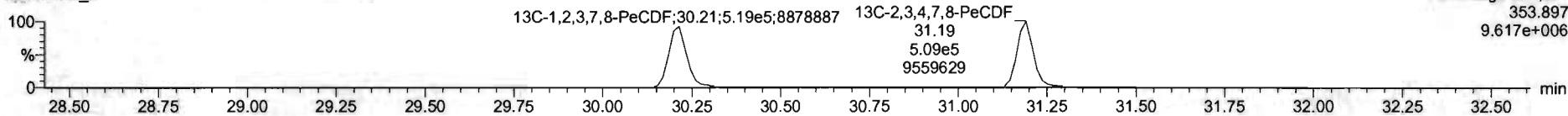
13C-1,2,3,7,8-PeCDF

200528R2_8



F2:Voltage SIR,EI+
351.900
1.517e+007

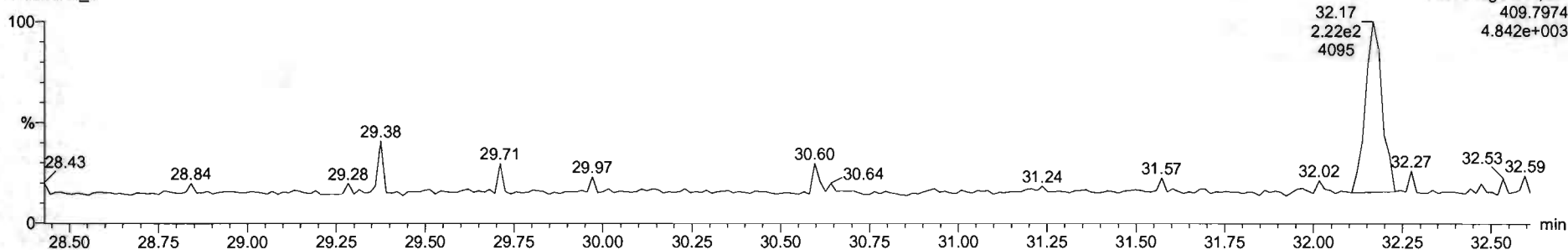
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F2:Voltage SIR,EI+
353.897
9.617e+006

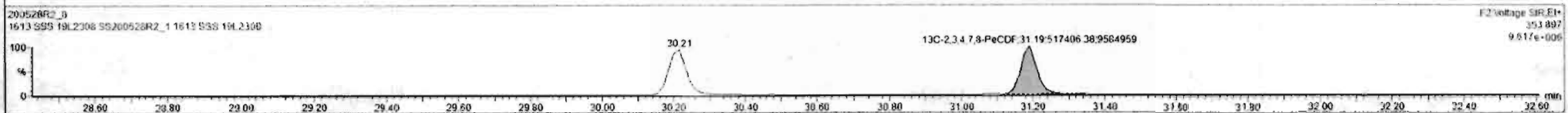
DPE2

200528R2_8



F2:Voltage SIR,EI+
409.7974
4.842e+003

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	



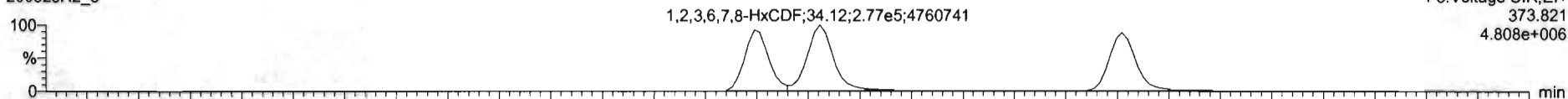
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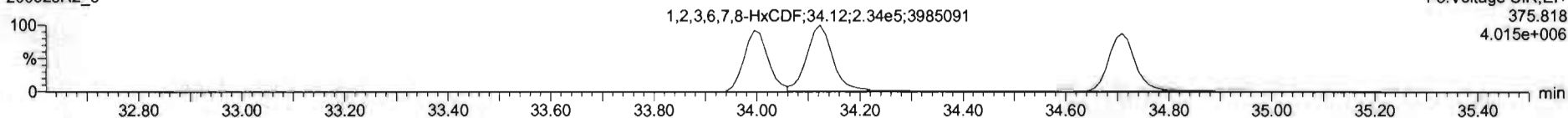
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200528R2_8

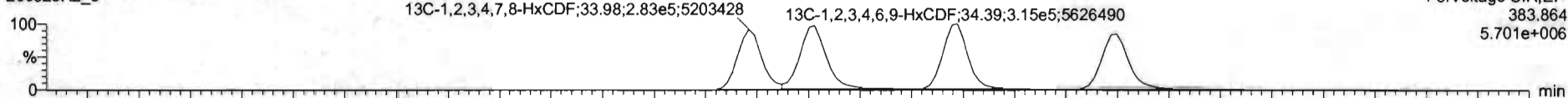


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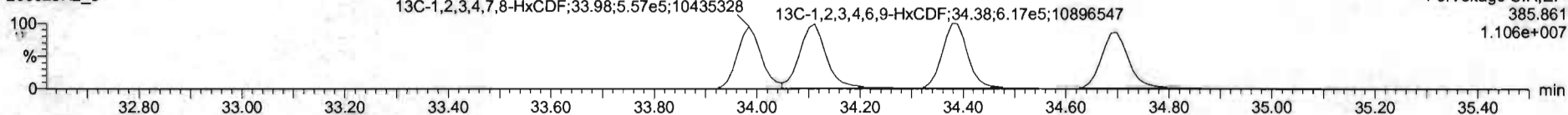


13C-1,2,3,4,7,8-HxCDF

200528R2_8

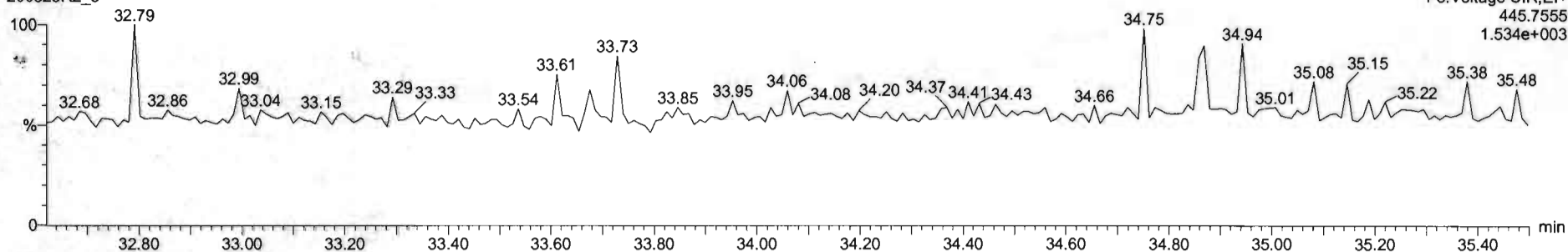


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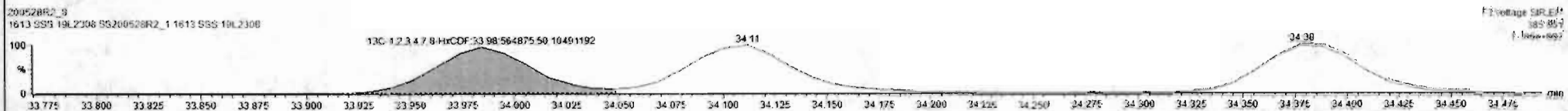
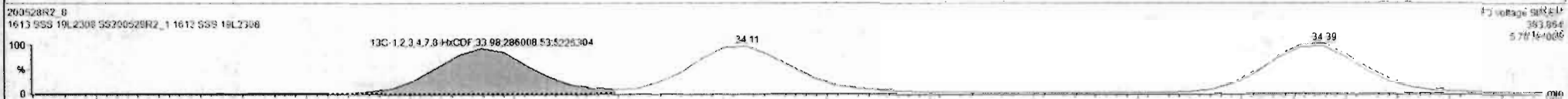
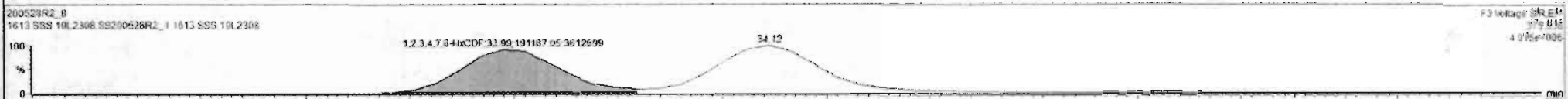
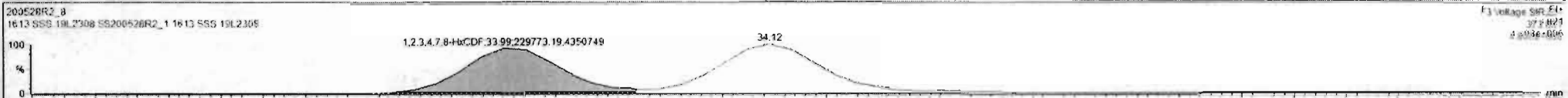


DPE3

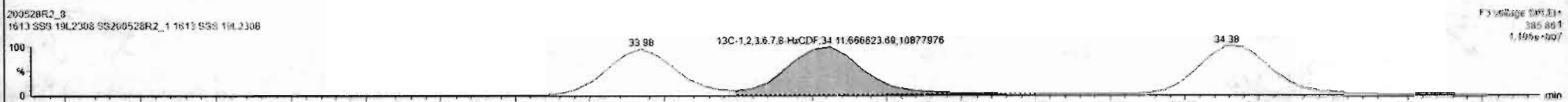
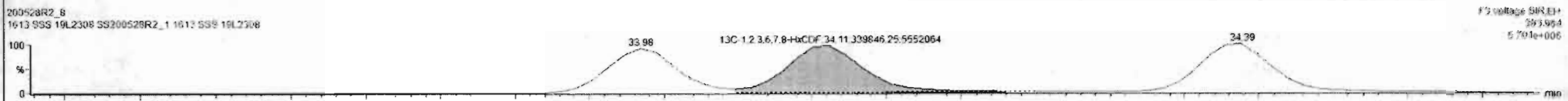
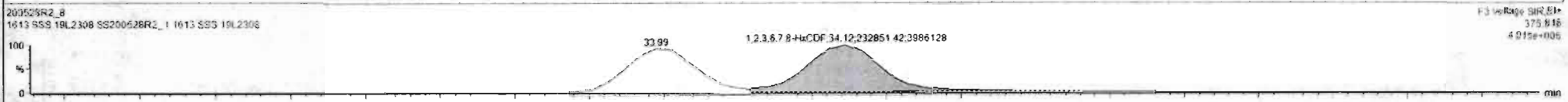
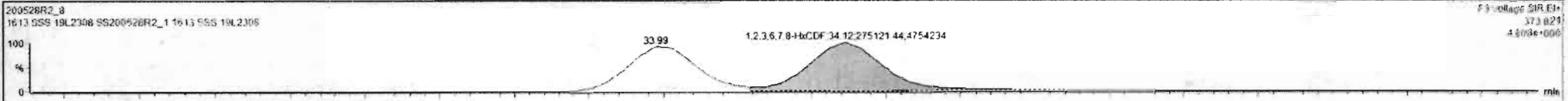
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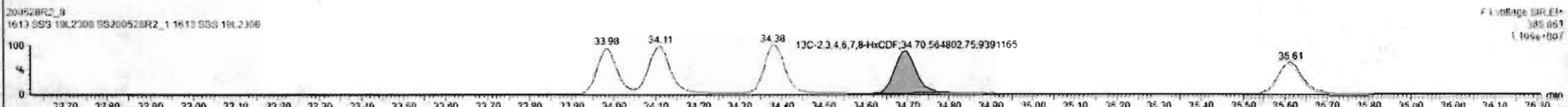
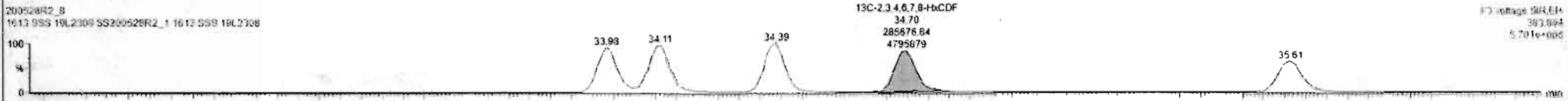
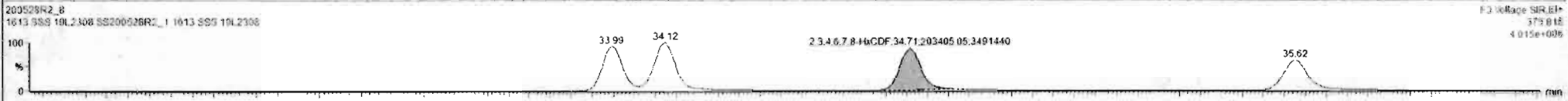
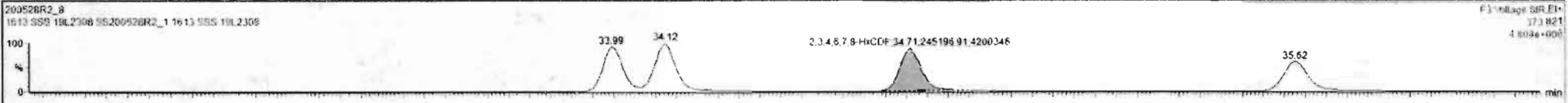
Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.8981	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.26e5	1.22	NO	1.0334	1.000	24.86	1.000	56.0	116	0.1011	56.0
4 1,2,3,6,7,8-HxCDD	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	0.128	



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	55.6
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	RF	WVol	RT	RRT	Conc	%Rec	DL	EMFC
1	2,3,7,8-TCDD	1.24e5	0.78	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	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	0.9039	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	25.88	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	26.54	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	



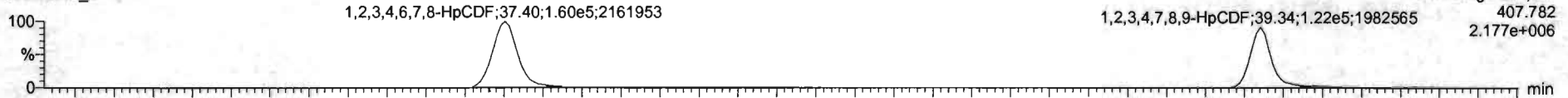
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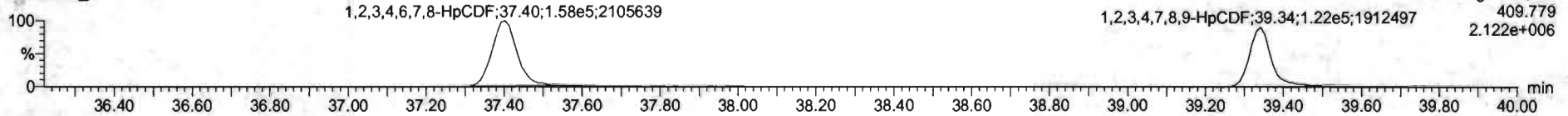
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200528R2_8



200528R2_8

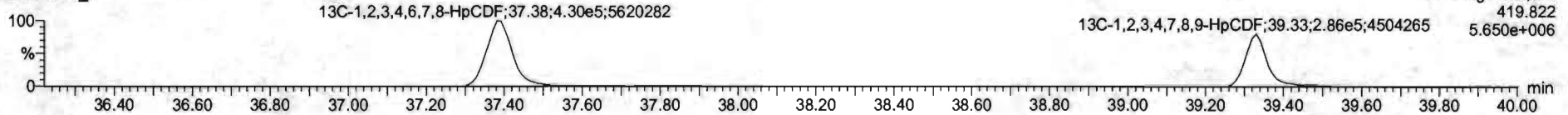


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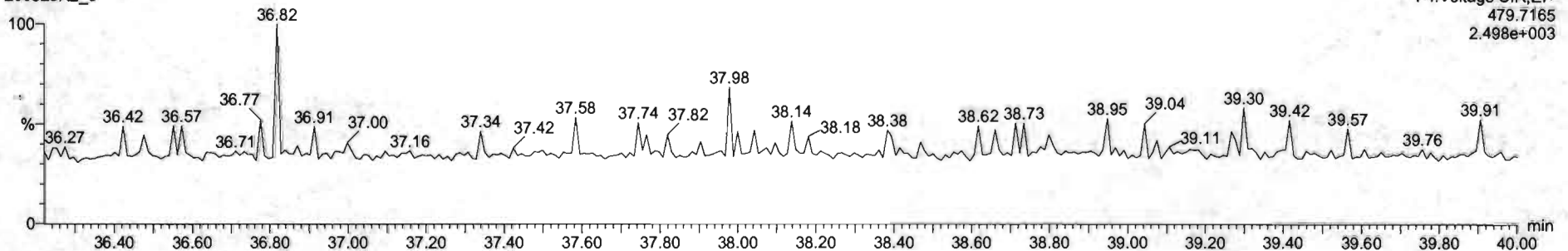


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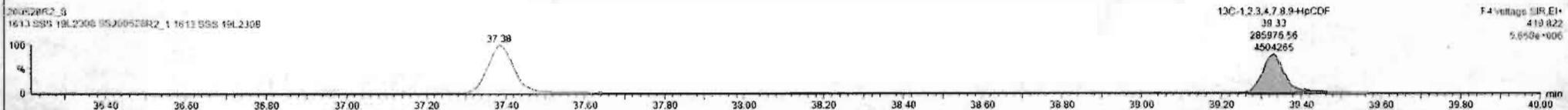
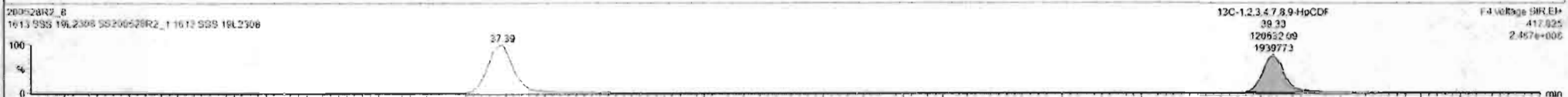
200528R2_8



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	1.26e6	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	



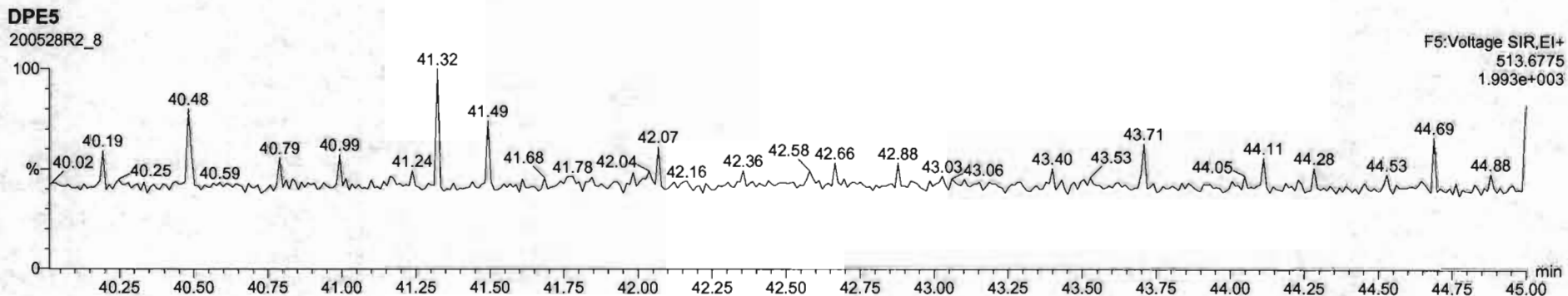
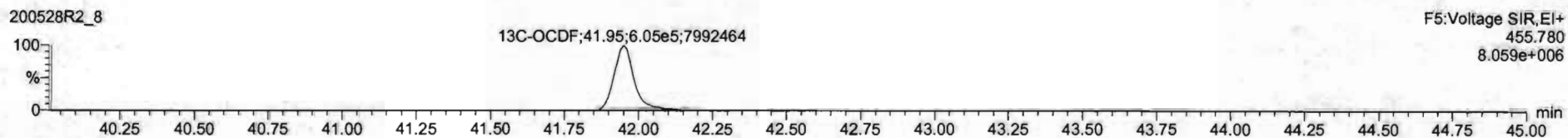
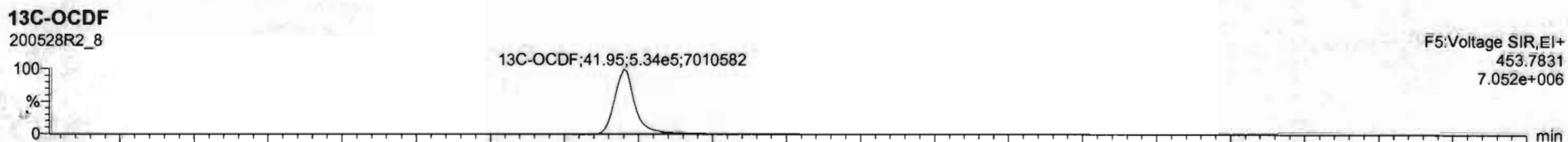
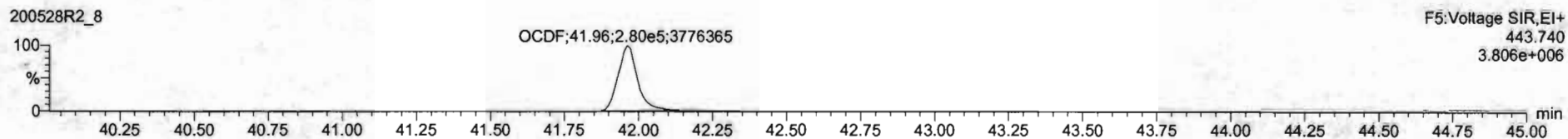
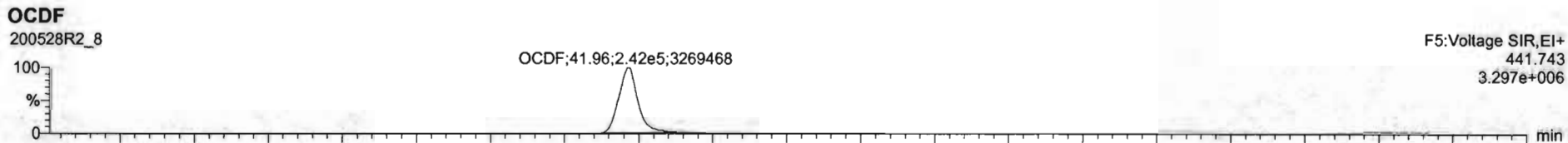
#	Name	Resp	RA	nfy	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.82	NO	0.9081	1.000	31.01	1.000	58.4	113	0.0622	56.1
3	1,2,3,4,7,8-HxCDD	2.56e5	1.22	NO	1.0334	1.000	24.86	1.000	58.0	116	0.101	56.0
4	1,2,3,6,7,8-HxCDD	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	25.65	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	56.5	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	



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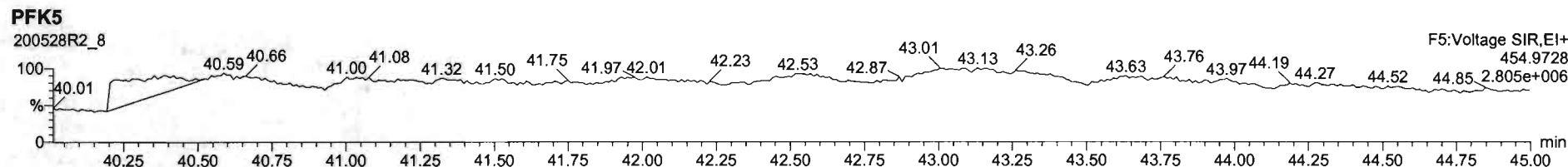
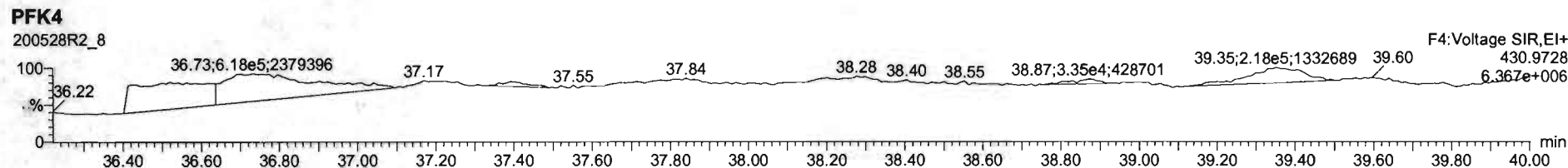
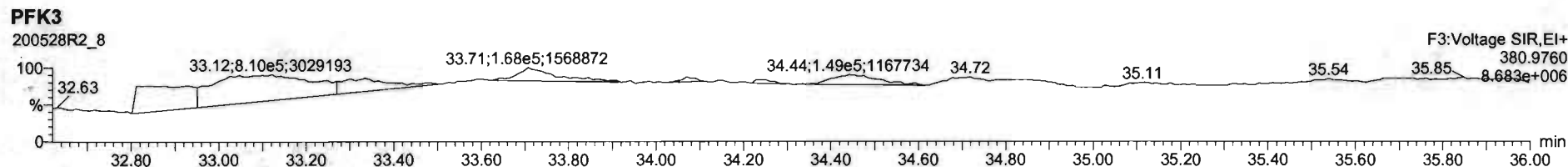
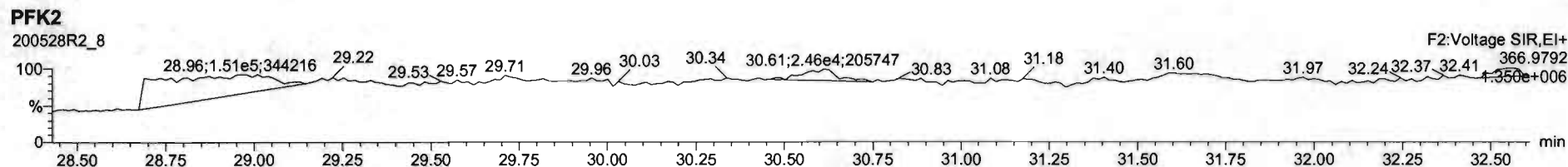
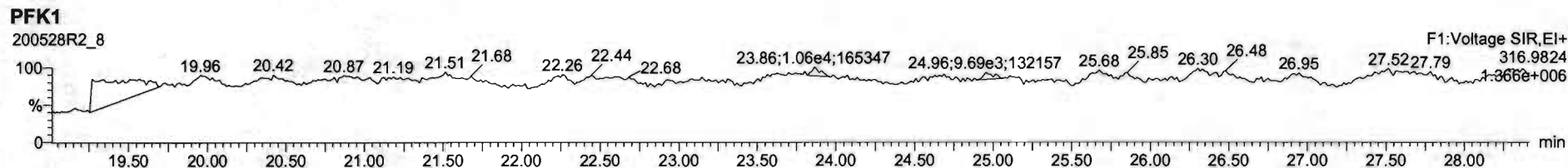
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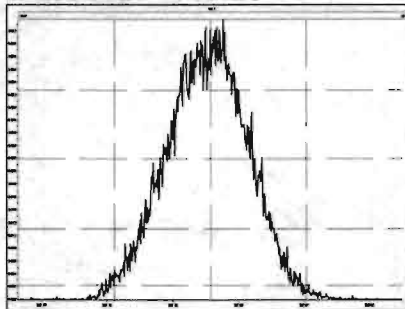
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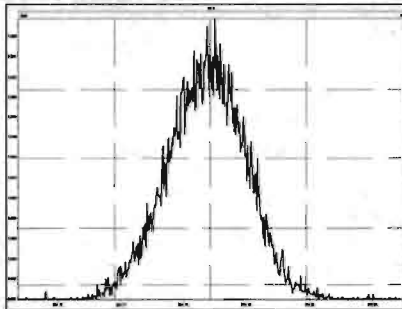
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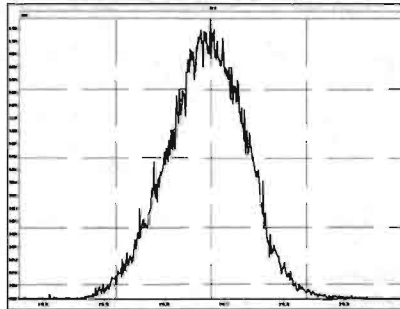
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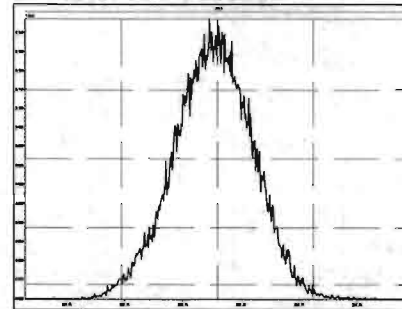
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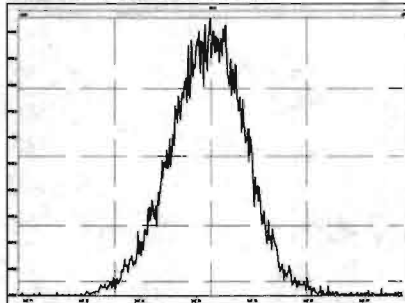
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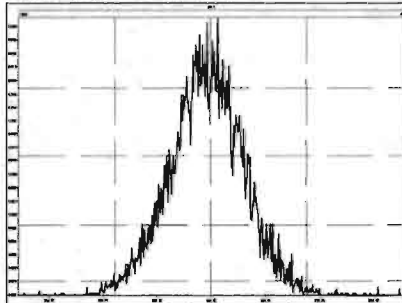
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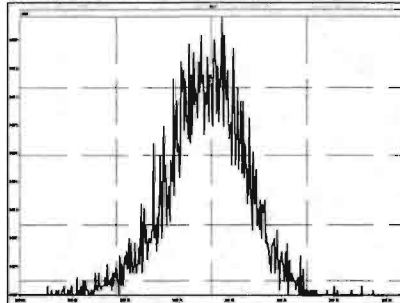
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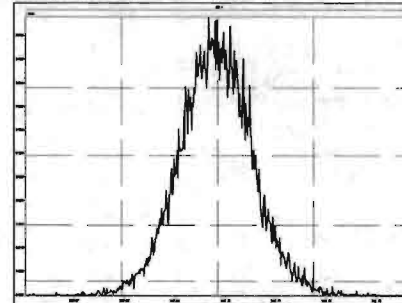
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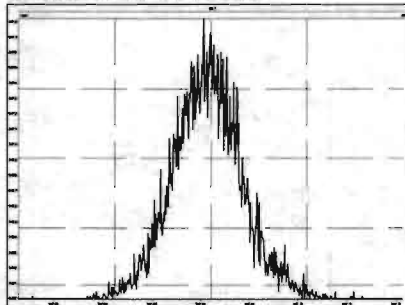
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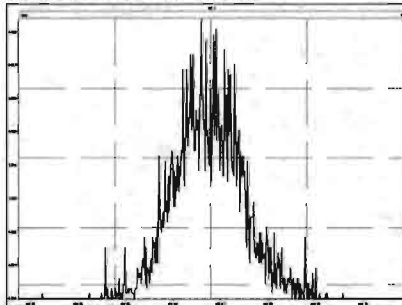
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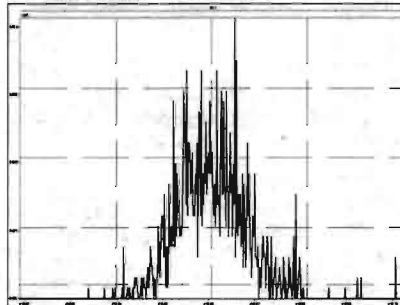
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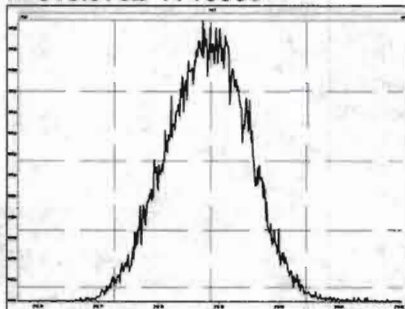
Experiment Calibration Report

MassLynx 4.1 SCN815

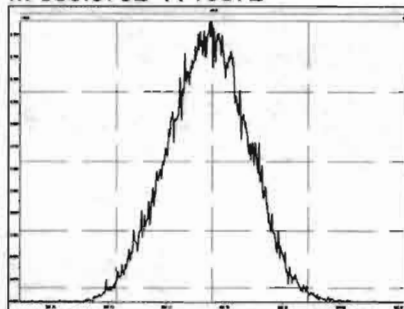
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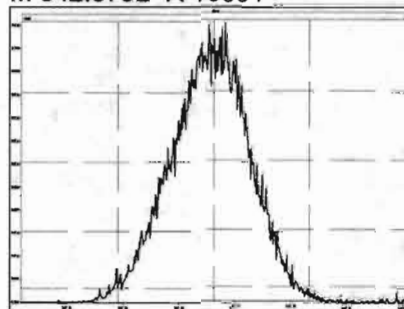
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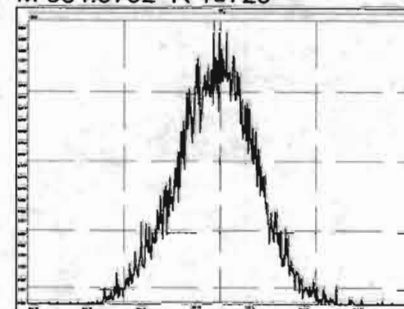
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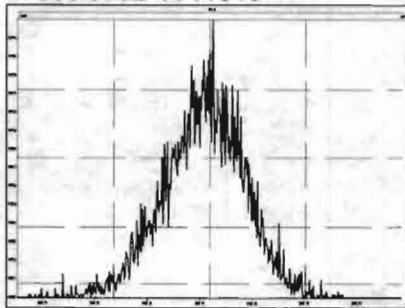
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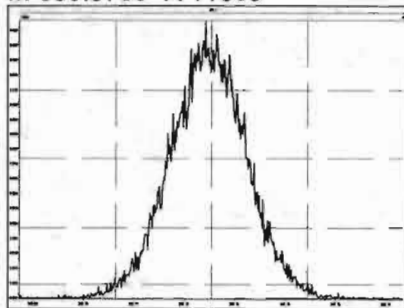
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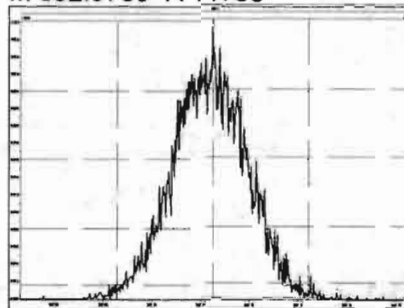
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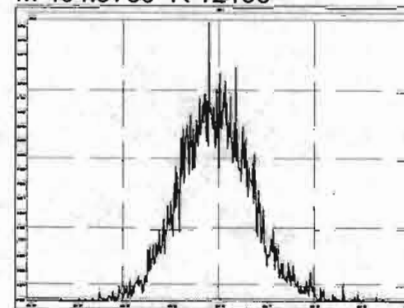
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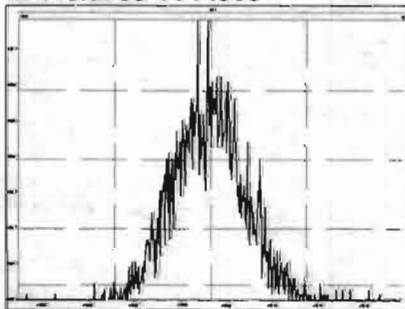
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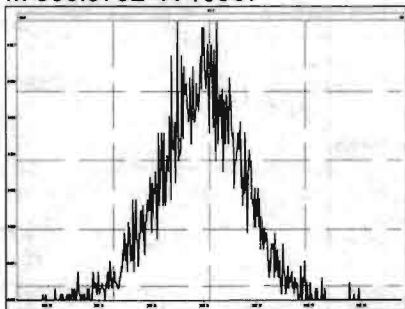
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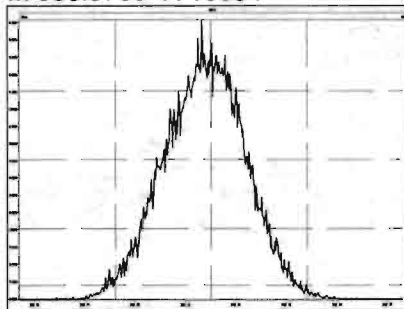
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:38 Pacific Daylight Time

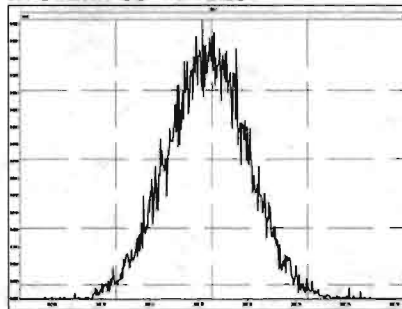
M 366.9792 R 10967



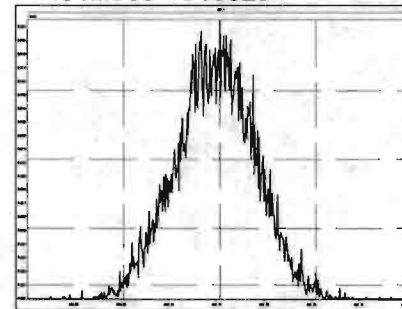
M 380.9760 R 10684



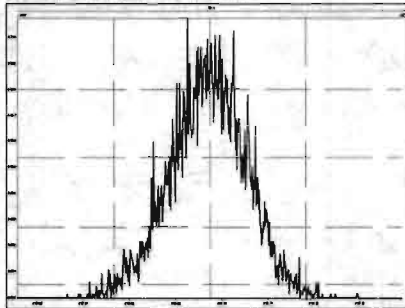
M 392.9760 R 10207



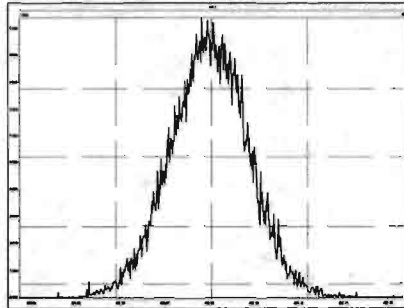
M 404.9760 R 10823



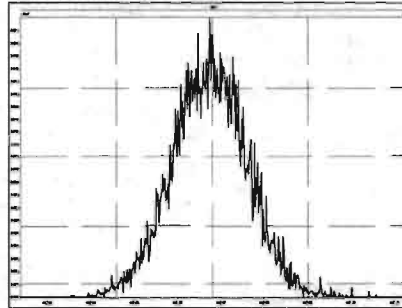
M 416.9760 R 11160



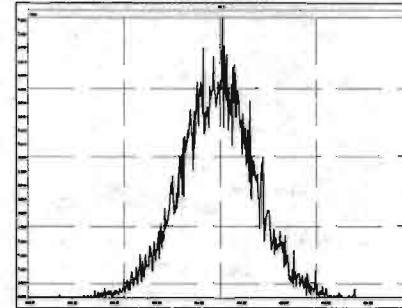
M 430.9728 R 11208



M 442.9728 R 12195



M 454.9728 R 10963



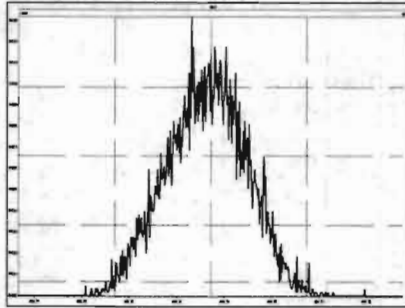
Experiment Calibration Report

MassLynx 4.1 SCN815

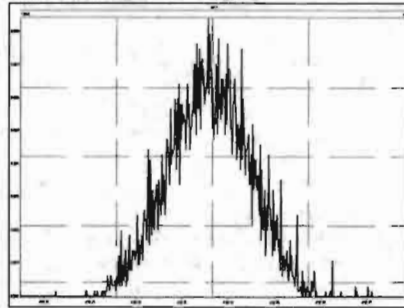
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Printed: Friday, May 29, 2020 07:19:53 Pacific Daylight Time

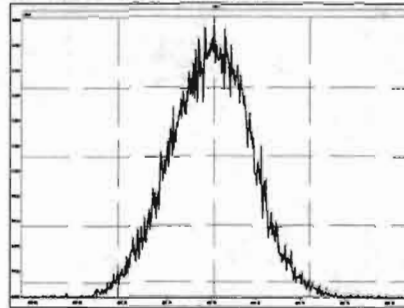
M 404.9760 R 10963



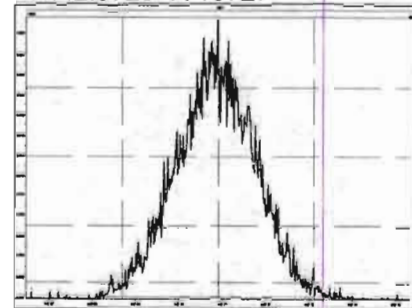
M 416.9760 R 10593



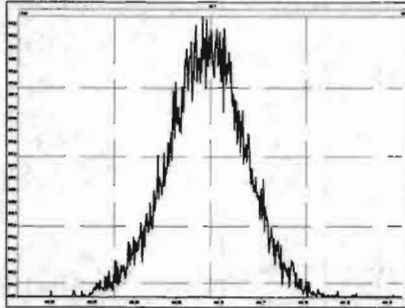
M 430.9728 R 10372



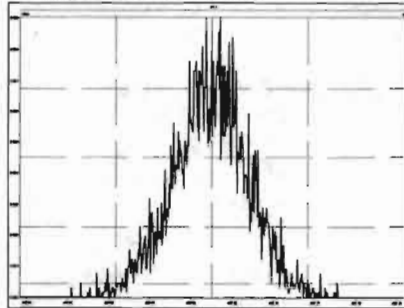
M 442.9728 R 10727



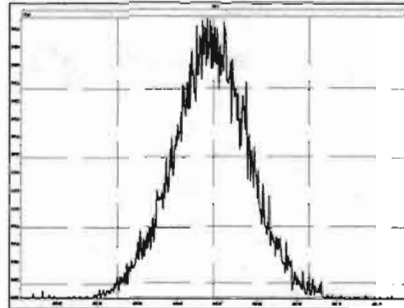
M 454.9728 R 11792



M 466.9728 R 12628



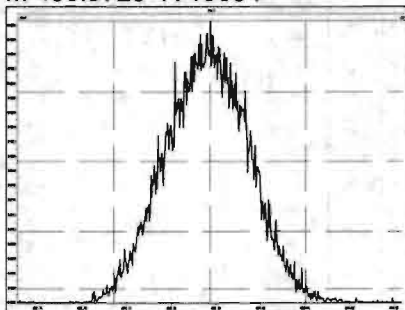
M 480.9696 R 11111



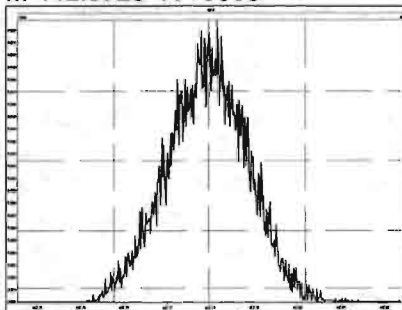
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:20:18 Pacific Daylight Time

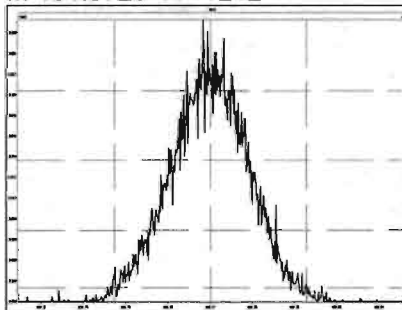
M 430.9728 R 10684



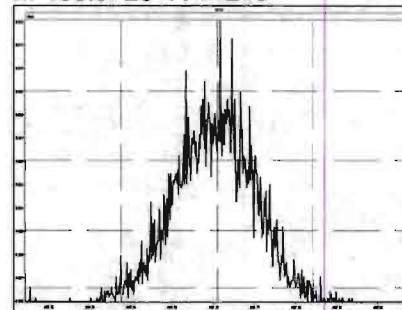
M 442.9728 R 10868



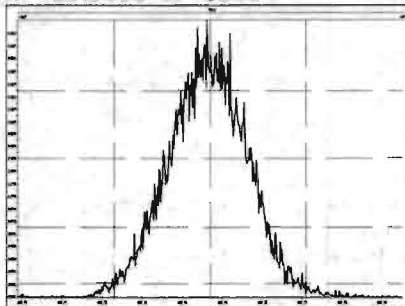
M 454.9728 R 11212



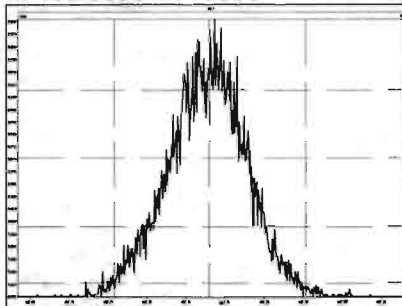
M 466.9728 R 11210



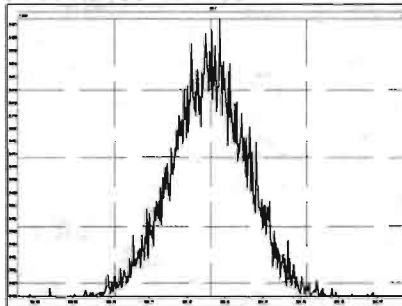
M 480.9696 R 10963



M 492.9696 R 10593



M 504.9696 R 11681



M 516.9697 R 11905

