



June 25, 2020

Vista Work Order No. 2001007

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 07, 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. 2001007

Case Narrative

Sample Condition on Receipt:

Six 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 each preparation batch. No analytes were detected above 1/2 the quantitation limits in the Method Blanks. The OPR recoveries were within the method acceptance criteria.

As requested, a duplicate was performed on sample "PDI-058SC-A-09-10-200505". The RPDs were outside of the acceptance criteria for 1,2,3,4,6,7,8-HpCDD and OCDD.

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

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2001007-01	PDI-058SC-A-08-09-200505	EPA Method 1613B	13C-OCDD	H	14.2
2001007-06	PDI-058SC-B-05-07-200505	EPA Method 1613B	37Cl-2,3,7,8-TCDD	H	28.9
B0F0086-BS1	B0F0086-BS1	EPA Method 1613B	13C-2,3,7,8-TCDD	H	15.7
B0F0086-BS1	B0F0086-BS1	EPA Method 1613B	13C-2,3,7,8-TCDF	H	15.4
B0F0086-BS1	B0F0086-BS1	EPA Method 1613B	37Cl-2,3,7,8-TCDD	H	17.5

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2001007-01	PDI-058SC-A-08-09-200505	05-May-20 15:03	07-May-20 09:50	Amber Glass, 120 mL
2001007-02	PDI-058SC-A-09-10-200505	DUP05-May-20 15:03	07-May-20 09:50	Amber Glass, 120 mL Amber Glass, 120 mL
2001007-03	PDI-058SC-A-10-10.9-200505	05-May-20 15:03	07-May-20 09:50	Amber Glass, 120 mL
2001007-04	PDI-058SC-B-00-02-200505	05-May-20 13:30	07-May-20 09:50	Amber Glass, 120 mL
2001007-05	PDI-058SC-B-02-05-200505	05-May-20 13:30	07-May-20 09:50	Amber Glass, 120 mL
2001007-06	PDI-058SC-B-05-07-200505	05-May-20 13:30	07-May-20 09:50	Amber Glass, 120 mL

ANALYTICAL RESULTS

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

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50		Lab Sample: B0E0107-BS1 Date Analyzed: 19-May-20 09:26 Column: ZB-5MS			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	16.7	20.0	83.3	67 - 158	IS 13C-2,3,7,8-TCDD	90.9	20 - 175
1,2,3,7,8-PeCDD	85.5	100	85.5	70 - 142	13C-1,2,3,7,8-PeCDD	105	21 - 227
1,2,3,4,7,8-HxCDD	94.9	100	94.9	70 - 164	13C-1,2,3,4,7,8-HxCDD	88.2	21 - 193
1,2,3,6,7,8-HxCDD	91.0	100	91.0	76 - 134	13C-1,2,3,6,7,8-HxCDD	90.1	25 - 163
1,2,3,7,8,9-HxCDD	91.0	100	91.0	64 - 162	13C-1,2,3,7,8,9-HxCDD	90.4	21 - 193
1,2,3,4,6,7,8-HpCDD	94.3	100	94.3	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	86.3	26 - 166
OCDD	189	200	94.6	78 - 144	13C-OCDD	82.3	13 - 199
2,3,7,8-TCDF	18.1	20.0	90.5	75 - 158	13C-2,3,7,8-TCDF	88.2	22 - 152
1,2,3,7,8-PeCDF	91.3	100	91.3	80 - 134	13C-1,2,3,7,8-PeCDF	103	21 - 192
2,3,4,7,8-PeCDF	91.4	100	91.4	68 - 160	13C-2,3,4,7,8-PeCDF	105	13 - 328
1,2,3,4,7,8-HxCDF	102	100	102	72 - 134	13C-1,2,3,4,7,8-HxCDF	88.0	19 - 202
1,2,3,6,7,8-HxCDF	101	100	101	84 - 130	13C-1,2,3,6,7,8-HxCDF	92.3	21 - 159
2,3,4,6,7,8-HxCDF	101	100	101	70 - 156	13C-2,3,4,6,7,8-HxCDF	89.3	22 - 176
1,2,3,7,8,9-HxCDF	102	100	102	78 - 130	13C-1,2,3,7,8,9-HxCDF	87.8	17 - 205
1,2,3,4,6,7,8-HpCDF	101	100	101	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	83.4	21 - 158
1,2,3,4,7,8,9-HpCDF	103	100	103	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	92.4	20 - 186
OCDF	192	200	96.2	63 - 170	13C-OCDF	85.6	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	87.2	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0F0086 Date Extracted: 11-Jun-2020 16:31		Lab Sample: B0F0086-BLK1 Date Analyzed: 24-Jun-20 00:26 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.479			IS 13C-2,3,7,8-TCDD	66.6	25 - 164		
1,2,3,7,8-PeCDD	ND	0.418			13C-1,2,3,7,8-PeCDD	76.4	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.605			13C-1,2,3,4,7,8-HxCDD	71.3	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.665			13C-1,2,3,6,7,8-HxCDD	76.8	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.716			13C-1,2,3,7,8,9-HxCDD	72.7	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	1.26			13C-1,2,3,4,6,7,8-HpCDD	65.8	23 - 140		
OCDD	ND	1.09			13C-OCDD	57.1	17 - 157		
2,3,7,8-TCDF	ND	0.393			13C-2,3,7,8-TCDF	65.9	24 - 169		
1,2,3,7,8-PeCDF	ND	0.201			13C-1,2,3,7,8-PeCDF	80.4	24 - 185		
2,3,4,7,8-PeCDF	ND	0.195			13C-2,3,4,7,8-PeCDF	78.6	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.232			13C-1,2,3,4,7,8-HxCDF	69.3	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.238			13C-1,2,3,6,7,8-HxCDF	73.7	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.261			13C-2,3,4,6,7,8-HxCDF	70.7	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.390			13C-1,2,3,7,8,9-HxCDF	66.3	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.321			13C-1,2,3,4,6,7,8-HpCDF	66.6	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.332			13C-1,2,3,4,7,8,9-HpCDF	64.4	26 - 138		
OCDF	ND	0.741			13C-OCDF	56.9	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	69.7	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.479							
Total PeCDD	ND	0.418							
Total HxCDD	ND	0.716							
Total HpCDD	ND	1.26							
Total TCDF	ND		0.596						
Total PeCDF	ND	0.201							
Total HxCDF	ND	0.390							
Total HpCDF	ND	0.332							

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: B0F0086 Date Extracted: 11-Jun-2020 16:31		Lab Sample: B0F0086-BS1 Date Analyzed: 23-Jun-20 22:55 Column: ZB-5MS			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	21.3	20.0	106	67 - 158	IS 13C-2,3,7,8-TCDD	15.7	20 - 175
1,2,3,7,8-PeCDD	102	100	102	70 - 142	13C-1,2,3,7,8-PeCDD	27.7	21 - 227
1,2,3,4,7,8-HxCDD	92.8	100	92.8	70 - 164	13C-1,2,3,4,7,8-HxCDD	40.2	21 - 193
1,2,3,6,7,8-HxCDD	96.1	100	96.1	76 - 134	13C-1,2,3,6,7,8-HxCDD	47.1	25 - 163
1,2,3,7,8,9-HxCDD	90.9	100	90.9	64 - 162	13C-1,2,3,7,8,9-HxCDD	64.8	21 - 193
1,2,3,4,6,7,8-HpCDD	99.7	100	99.7	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	62.6	26 - 166
OCDD	184	200	92.1	78 - 144	13C-OCDD	62.2	13 - 199
2,3,7,8-TCDF	21.6	20.0	108	75 - 158	13C-2,3,7,8-TCDF	15.4	22 - 152
1,2,3,7,8-PeCDF	93.0	100	93.0	80 - 134	13C-1,2,3,7,8-PeCDF	26.0	21 - 192
2,3,4,7,8-PeCDF	98.7	100	98.7	68 - 160	13C-2,3,4,7,8-PeCDF	23.1	13 - 328
1,2,3,4,7,8-HxCDF	103	100	103	72 - 134	13C-1,2,3,4,7,8-HxCDF	35.9	19 - 202
1,2,3,6,7,8-HxCDF	104	100	104	84 - 130	13C-1,2,3,6,7,8-HxCDF	43.4	21 - 159
2,3,4,6,7,8-HxCDF	99.8	100	99.8	70 - 156	13C-2,3,4,6,7,8-HxCDF	52.1	22 - 176
1,2,3,7,8,9-HxCDF	100	100	100	78 - 130	13C-1,2,3,7,8,9-HxCDF	41.9	17 - 205
1,2,3,4,6,7,8-HpCDF	97.1	100	97.1	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	65.2	21 - 158
1,2,3,4,7,8,9-HpCDF	98.7	100	98.7	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	53.3	20 - 186
OCDF	219	200	109	63 - 170	13C-OCDF	60.1	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	17.5	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-058SC-A-08-09-200505 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001007-01 Date Received: 07-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.9 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 05-May-2020 15:03	% Solids: 59.6	Date Analyzed : 07-Jun-20 17:11 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0810			IS 13C-2,3,7,8-TCDD	95.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0770			13C-1,2,3,7,8-PeCDD	94.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0880			13C-1,2,3,4,7,8-HxCDD	76.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0886			13C-1,2,3,6,7,8-HxCDD	77.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0977			13C-1,2,3,7,8,9-HxCDD	75.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.631		13C-1,2,3,4,6,7,8-HpCDD	44.1	23 - 140	
OCDD	ND		4.91		13C-OCDD	14.2	17 - 157	H
2,3,7,8-TCDF	ND	0.0805			13C-2,3,7,8-TCDF	91.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0635			13C-1,2,3,7,8-PeCDF	98.4	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0589			13C-2,3,4,7,8-PeCDF	97.5	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0487			13C-1,2,3,4,7,8-HxCDF	81.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0432			13C-1,2,3,6,7,8-HxCDF	87.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0520			13C-2,3,4,6,7,8-HxCDF	73.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0736			13C-1,2,3,7,8,9-HxCDF	78.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0661			13C-1,2,3,4,6,7,8-HpCDF	64.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0779			13C-1,2,3,4,7,8,9-HpCDF	62.3	26 - 138	
OCDF	ND	0.189			13C-OCDF	26.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	98.7	35 - 197	

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

TEQMinWHO2005Dioxin 0.00

TOTALS			
Total TCDD	0.304		0.815
Total PeCDD	0.144		
Total HxCDD	0.653		
Total HpCDD	ND		2.10
Total TCDF	1.09		1.71
Total PeCDF	ND		0.0450
Total HxCDF	ND	0.0736	
Total HpCDF	ND	0.0779	

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-058SC-A-09-10-200505 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001007-02 Date Received: 07-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.6 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 05-May-2020 15:03	% Solids: 60.9	Date Analyzed : 07-Jun-20 17:57 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0700			IS 13C-2,3,7,8-TCDD	70.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0594			13C-1,2,3,7,8-PeCDD	79.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0724			13C-1,2,3,4,7,8-HxCDD	78.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0740			13C-1,2,3,6,7,8-HxCDD	77.3	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0776			13C-1,2,3,7,8,9-HxCDD	81.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.193			J	13C-1,2,3,4,6,7,8-HpCDD	77.5	23 - 140	
OCDD	0.891			J, B	13C-OCDD	64.0	17 - 157	
2,3,7,8-TCDF	ND	0.0674			13C-2,3,7,8-TCDF	65.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0455			13C-1,2,3,7,8-PeCDF	79.2	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0428			13C-2,3,4,7,8-PeCDF	78.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0456			13C-1,2,3,4,7,8-HxCDF	78.0	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0415			13C-1,2,3,6,7,8-HxCDF	81.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0434			13C-2,3,4,6,7,8-HxCDF	84.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0707			13C-1,2,3,7,8,9-HxCDF	78.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0470			13C-1,2,3,4,6,7,8-HpCDF	77.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0545			13C-1,2,3,4,7,8,9-HpCDF	77.1	26 - 138	
OCDF	ND	0.0899			13C-OCDF	68.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	73.9	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00220

TOTALS			
Total TCDD	ND	0.0700	
Total PeCDD	ND	0.0594	
Total HxCDD	0.112		
Total HpCDD	0.193		0.366
Total TCDF	0.169		
Total PeCDF	ND	0.0455	
Total HxCDF	ND	0.0707	
Total HpCDF	ND	0.0545	

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-058SC-A-09-10-200505		QC Batch: B0E0107		Lab Sample: B0E0107-DUP2				
Source LabNumber: 2001007-02		Date Extracted: 14-May-2020 14:50		Date Analyzed: 07-Jun-20 18:43 Column: ZB-5MS				
Matrix: Solid								
Sample Size: 16.5 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0795			IS 13C-2,3,7,8-TCDD	94.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0989			13C-1,2,3,7,8-PeCDD	91.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.150			13C-1,2,3,4,7,8-HxCDD	80.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.154			13C-1,2,3,6,7,8-HxCDD	80.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.178			13C-1,2,3,7,8,9-HxCDD	79.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.42			J	13C-1,2,3,4,6,7,8-HpCDD	73.3	23 - 140	
OCDD	10.4			B	13C-OCDD	63.5	17 - 157	
2,3,7,8-TCDF	0.197			J	13C-2,3,7,8-TCDF	94.8	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0705			13C-1,2,3,7,8-PeCDF	95.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0666			13C-2,3,4,7,8-PeCDF	95.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0601			13C-1,2,3,4,7,8-HxCDF	82.8	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0558			13C-1,2,3,6,7,8-HxCDF	86.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0623			13C-2,3,4,6,7,8-HxCDF	85.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0916			13C-1,2,3,7,8,9-HxCDF	82.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0532			13C-1,2,3,4,6,7,8-HpCDF	74.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0543			13C-1,2,3,4,7,8,9-HpCDF	76.8	26 - 138	
OCDF	0.253			J, B	13C-OCDF	62.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin	0.0371		
TOTALS								
Total TCDD	0.584		0.757					
Total PeCDD	ND		0.275					
Total HxCDD	1.51							
Total HpCDD	3.68							
Total TCDF	1.15		1.37					
Total PeCDF	ND	0.0705						
Total HxCDF	ND		0.0644					
Total HpCDF	ND	0.0543						

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-058SC-A-09-10-200505					Duplicate Lab Sample: B0E0107-DUP2				
Source LabNumber: 2001007-02									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	ND	ND	NA	25	IS 13C-2,3,7,8-TCDD	94.8	70.2	25 - 164	
1,2,3,7,8-PeCDD	ND	ND	NA	25	13C-1,2,3,7,8-PeCDD	91.8	79.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDD	80.2	78.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDD	80.9	77.3	28 - 130	
1,2,3,7,8,9-HxCDD	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDD	79.9	81.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.42	0.193	152	25	13C-1,2,3,4,6,7,8-HpCDD	73.3	77.5	23 - 140	
OCDD	10.4	0.891	168	25	13C-OCDD	63.5	64.0	17 - 157	
2,3,7,8-TCDF	0.197	ND	#	25	13C-2,3,7,8-TCDF	94.8	65.6	24 - 169	
1,2,3,7,8-PeCDF	ND	ND	NA	25	13C-1,2,3,7,8-PeCDF	95.9	79.2	24 - 185	
2,3,4,7,8-PeCDF	ND	ND	NA	25	13C-2,3,4,7,8-PeCDF	95.0	78.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDF	82.8	78.0	26 - 152	
1,2,3,6,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDF	86.6	81.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	ND	NA	25	13C-2,3,4,6,7,8-HxCDF	85.9	84.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDF	82.2	78.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	ND	NA	25	13C-1,2,3,4,6,7,8-HpCDF	74.3	77.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	25	13C-1,2,3,4,7,8,9-HpCDF	76.8	77.1	26 - 138	
OCDF	0.253	ND	#	25	13C-OCDF	62.3	68.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	73.9	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-058SC-A-10-10.9-200505 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001007-03 Date Received: 07-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.4 g	QC Batch: B0E0107 Date Extracted: 14-May-2020 14:50
Date Collected: 05-May-2020 15:03	% Solids: 61.6	Date Analyzed : 07-Jun-20 19:30 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0748			IS 13C-2,3,7,8-TCDD	96.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0936			13C-1,2,3,7,8-PeCDD	95.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.138			13C-1,2,3,4,7,8-HxCDD	89.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.147			13C-1,2,3,6,7,8-HxCDD	86.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.178			13C-1,2,3,7,8,9-HxCDD	83.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.805			J	13C-1,2,3,4,6,7,8-HpCDD	77.6	23 - 140	
OCDD	4.94			J, B	13C-OCDD	62.8	17 - 157	
2,3,7,8-TCDF	0.273			J	13C-2,3,7,8-TCDF	91.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0729			13C-1,2,3,7,8-PeCDF	97.6	24 - 185	
2,3,4,7,8-PeCDF	ND		0.0790		13C-2,3,4,7,8-PeCDF	96.4	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0547			13C-1,2,3,4,7,8-HxCDF	85.8	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0511			13C-1,2,3,6,7,8-HxCDF	90.0	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0561			13C-2,3,4,6,7,8-HxCDF	87.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0801			13C-1,2,3,7,8,9-HxCDF	86.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0558			13C-1,2,3,4,6,7,8-HpCDF	79.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0610			13C-1,2,3,4,7,8,9-HpCDF	80.9	26 - 138	
OCDF	ND	0.0959			13C-OCDF	66.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

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

TEQMinWHO2005Dioxin 0.0368

TOTALS			
Total TCDD	0.191		0.486
Total PeCDD	0.311		
Total HxCDD	0.944		
Total HpCDD	1.99		
Total TCDF	1.69		1.81
Total PeCDF	ND		0.150
Total HxCDF	ND		0.0710
Total HpCDF	ND	0.0610	

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-058SC-B-00-02-200505 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001007-04 Date Received: 07-May-2020 9:50
Project: Gasco PDI	Sample Size: 13.5 g	QC Batch: B0F0086 Date Extracted: 11-Jun-2020 16:31
Date Collected: 05-May-2020 13:30	% Solids: 74.7	Date Analyzed : 24-Jun-20 02:41 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.459			IS 13C-2,3,7,8-TCDD	75.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.485			13C-1,2,3,7,8-PeCDD	79.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.976			13C-1,2,3,4,7,8-HxCDD	68.1	32 - 141	
1,2,3,6,7,8-HxCDD	1.09			J	13C-1,2,3,6,7,8-HxCDD	76.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	1.19			13C-1,2,3,7,8,9-HxCDD	54.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	58.8				13C-1,2,3,4,6,7,8-HpCDD	58.9	23 - 140	
OCDD	447				13C-OCDD	50.7	17 - 157	
2,3,7,8-TCDF	ND	0.399			13C-2,3,7,8-TCDF	75.2	24 - 169	
1,2,3,7,8-PeCDF	0.373			J	13C-1,2,3,7,8-PeCDF	84.6	24 - 185	
2,3,4,7,8-PeCDF	ND	0.207			13C-2,3,4,7,8-PeCDF	84.4	21 - 178	
1,2,3,4,7,8-HxCDF	0.770			J	13C-1,2,3,4,7,8-HxCDF	69.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.247			13C-1,2,3,6,7,8-HxCDF	71.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.264			13C-2,3,4,6,7,8-HxCDF	66.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.378			13C-1,2,3,7,8,9-HxCDF	63.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		2.81		13C-1,2,3,4,6,7,8-HpCDF	60.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.837			13C-1,2,3,4,7,8,9-HpCDF	59.6	26 - 138	
OCDF	20.1				13C-OCDF	48.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	76.1	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.925

TOTALS								
Total TCDD	ND	0.459						
Total PeCDD	ND	0.485						
Total HxCDD	8.62		15.7					
Total HpCDD	155							
Total TCDF	ND		0.442					
Total PeCDF	0.373							
Total HxCDF	2.92							
Total HpCDF	12.2		15.0					

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

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

Sample ID: PDI-058SC-B-02-05-200505 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001007-05 Date Received: 07-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.4 g	QC Batch: B0F0086 Date Extracted: 11-Jun-2020 16:31
Date Collected: 05-May-2020 13:30	% Solids: 62.0	Date Analyzed : 24-Jun-20 03:26 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.334			IS 13C-2,3,7,8-TCDD	57.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.545			13C-1,2,3,7,8-PeCDD	61.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.646			13C-1,2,3,4,7,8-HxCDD	55.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.685			13C-1,2,3,6,7,8-HxCDD	61.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.833			13C-1,2,3,7,8,9-HxCDD	51.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	1.26			13C-1,2,3,4,6,7,8-HpCDD	49.4	23 - 140	
OCDD	5.85				13C-OCDD	40.6	17 - 157	
2,3,7,8-TCDF	ND	0.199			13C-2,3,7,8-TCDF	53.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.276			13C-1,2,3,7,8-PeCDF	66.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.254			13C-2,3,4,7,8-PeCDF	66.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.228			13C-1,2,3,4,7,8-HxCDF	55.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.228			13C-1,2,3,6,7,8-HxCDF	57.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.292			13C-2,3,4,6,7,8-HxCDF	53.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.387			13C-1,2,3,7,8,9-HxCDF	50.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.357			13C-1,2,3,4,6,7,8-HpCDF	50.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.385			13C-1,2,3,4,7,8,9-HpCDF	47.3	26 - 138	
OCDF	ND	1.17			13C-OCDF	39.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	59.2	35 - 197	

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

TEQMinWHO2005Dioxin 0.00176

TOTALS			
Total TCDD	ND	0.334	
Total PeCDD	ND	0.545	
Total HxCDD	0.707		
Total HpCDD	ND	1.26	
Total TCDF	0.513		0.945
Total PeCDF	ND	0.276	
Total HxCDF	ND	0.387	
Total HpCDF	ND	0.385	

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-058SC-B-05-07-200505 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001007-06 Date Received: 07-May-2020 9:50
Project: Gasco PDI	Sample Size: 17.2 g	QC Batch: B0F0086 Date Extracted: 11-Jun-2020 16:31
Date Collected: 05-May-2020 13:30	% Solids: 58.9	Date Analyzed : 24-Jun-20 04:11 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.435			IS 13C-2,3,7,8-TCDD	29.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.797			13C-1,2,3,7,8-PeCDD	44.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	1.18			13C-1,2,3,4,7,8-HxCDD	53.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	1.09			13C-1,2,3,6,7,8-HxCDD	60.1	28 - 130	
1,2,3,7,8,9-HxCDD	ND	1.09			13C-1,2,3,7,8,9-HxCDD	64.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		2.10		13C-1,2,3,4,6,7,8-HpCDD	63.5	23 - 140	
OCDD	12.1				13C-OCDD	53.8	17 - 157	
2,3,7,8-TCDF	ND	0.168			13C-2,3,7,8-TCDF	26.1	24 - 169	
1,2,3,7,8-PeCDF	ND	0.577			13C-1,2,3,7,8-PeCDF	43.0	24 - 185	
2,3,4,7,8-PeCDF	ND	0.523			13C-2,3,4,7,8-PeCDF	39.6	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.342			13C-1,2,3,4,7,8-HxCDF	50.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.314			13C-1,2,3,6,7,8-HxCDF	57.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.301			13C-2,3,4,6,7,8-HxCDF	60.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.484			13C-1,2,3,7,8,9-HxCDF	55.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.370			13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.422			13C-1,2,3,4,7,8,9-HpCDF	59.5	26 - 138	
OCDF	ND	0.642			13C-OCDF	52.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	28.9	35 - 197	H

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

TEQMinWHO2005Dioxin 0.00363

TOTALS								
Total TCDD	ND	0.435						
Total PeCDD	ND	0.797						
Total HxCDD	1.30							
Total HpCDD	ND		4.70					
Total TCDF	ND		0.854					
Total PeCDF	ND	0.577						
Total HxCDF	ND	0.484						
Total HpCDF	ND	0.422						

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

2000
 25 0910120

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

Project: Gasco PDI
Client: NW Natural

2001007
 2.4°C

COC ID: VISTA-20200505-153849
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
001	PDI-058SC-A-08-09-200505	N	SE	05/05/2020	15:03	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
002	PDI-058SC-A-09-10-200505	N	SE	05/05/2020	15:03	2	<input checked="" type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
003	PDI-058SC-A-10-10-9-200505	N	SE	05/05/2020	15:03	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	PDI-058SC-B-00-02-200505	N	SE	05/05/2020	13:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
005	PDI-058SC-B-02-05-200505	N	SE	05/05/2020	13:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
006	PDI-058SC-B-05-07-200505	N	SE	05/05/2020	13:30	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 Lucas Henry	Print Name Marissa Sparks	Print Name	Print Name	Print Name	Print Name
Company Aq	Company Vol	Company	Company	Company	Company
Date/Time 5/6/2020/804	Date/Time 05/07/20 0950	Date/Time	Date/Time	Date/Time	Date/Time

Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2001007 TAT Std

Samples Arrival:	Date/Time 05/07/20 0950	Initials: WWS	Location: WR-2
			Shelf/Rack: N/A
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac
		<input type="radio"/> GLS	<input type="radio"/> DHL
		<input type="radio"/> Hand Delivered	<input type="radio"/> Other
Preservation:	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
	<input type="radio"/> None		
Temp °C: 2.4 (uncorrected)	Probe used: Y / <input checked="" type="radio"/> N		Thermometer ID: IR-3
Temp °C: 2.4 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>→</u> Trk # <u>7704 0371 2605</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 type="radio"/> Vista	<input checked="" type="radio"/> Client	<input type="radio"/> Retain
			<input checked="" type="radio"/> Return
			<input type="radio"/> 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 05/07/20	Initials: KS	Location: WR-2
			Shelf/Rack: G-3
COC Anomaly/Sample Acceptance Form completed?		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2001007

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2001007-01	A PDI-058SC-A-08-09-200505	<input checked="" type="checkbox"/>	05-May-20 15:03 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2001007-02	A PDI-058SC-A-09-10-200505	<input checked="" type="checkbox"/>	05-May-20 15:03 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	DUP
2001007-02	B PDI-058SC-A-09-10-200505	<input checked="" type="checkbox"/>	05-May-20 15:03 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	DUP
2001007-03	A PDI-058SC-A-10-10.9-200505	<input checked="" type="checkbox"/>	05-May-20 15:03 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2001007-04	A PDI-058SC-B-00-02-200505	<input checked="" type="checkbox"/>	05-May-20 13:30 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2001007-05	A PDI-058SC-B-02-05-200505	<input checked="" type="checkbox"/>	05-May-20 13:30 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	
2001007-06	A PDI-058SC-B-05-07-200505	<input checked="" type="checkbox"/>	05-May-20 13:30 <input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid	

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

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

Verified by/Date: 162 05/07/2020

EXTRACTION INFORMATION

Process Sheet
 Workorder: **2001007**

Prep Expiration: 2021-05-05
 Client: Anchor QEA, LLC

Workorder Due: **05-Jun-20 00:00**
 TAT: 29

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

Prep Batch: BOE0107
 Prep Data Entered: 00 05/18/20
Date and Initials
 Initial Sequence: SOE0054

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2001007-01	<input checked="" type="checkbox"/>	PDI-058SC-A-08-09-200505	07-May-20 09:50	WR-2 G-3	
2001007-02	<input checked="" type="checkbox"/>	PDI-058SC-A-09-10-200505	07-May-20 09:50	WR-2 G-3	DUP
2001007-03	<input checked="" type="checkbox"/>	PDI-058SC-A-10-10.9-200505	07-May-20 09:50	WR-2 G-3	
2001007-04	<input checked="" type="checkbox"/>	PDI-058SC-B-00-02-200505	07-May-20 09:50	WR-2 G-3	
2001007-05	<input checked="" type="checkbox"/>	PDI-058SC-B-02-05-200505	07-May-20 09:50	WR-2 G-3	
2001007-06	<input checked="" type="checkbox"/>	PDI-058SC-B-05-07-200505	07-May-20 09:50	WR-2 G-3	

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

Pre-Prep Check Out: CHT 05/12/20 Prep Check Out: RR 05/14/20 Prep Reconciled Inits/Date: CHT 05/12/20
 Pre-Prep Check In: CHT 05/12/20 Prep Check In: RR 05/14/20 Spike Reconciled Inits/Date: RR 05/14/20
 VialBoxID: Curly Fries

PREPARATION BENCH SHEET

Matrix: Solid

B0E0107

Chemist: R12

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

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

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B0E0107-BLK1	NA	(10.00)	RR ME 05/14/20	CRS 05/18/20	NA	00 05/18/20	CRS 05/18/20	CRS 05/18/20	CRS 05/18/20
<input type="checkbox"/>	B0E0107-BS1	NA	(10.00)							
<input type="checkbox"/>	B0E0107-DUP1 2001005-01	10.84	10.86				yellow			
<input type="checkbox"/>	B0E0107-DUP2 2001007-02	16.41	16.48							
<input type="checkbox"/>	2000948-15RE1	11.06	11.07							
<input type="checkbox"/>	2001005-01	10.84	10.86				yellow			
<input type="checkbox"/>	2001005-02	10.99	11.03							
<input type="checkbox"/>	2001005-03	11.09	11.10							
<input type="checkbox"/>	2001005-04	11.54	11.60							
<input type="checkbox"/>	2001005-05	11.49	11.60							
<input type="checkbox"/>	2001005-06	10.91	10.95							
<input type="checkbox"/>	2001005-07	11.21	11.24							
<input type="checkbox"/>	2001005-08	13.80	13.90							
<input type="checkbox"/>	2001007-01	16.77	16.85				black			
<input type="checkbox"/>	2001007-02	16.41	16.58				brown			

IS Name <u>V3</u>	NS Name <u>V1</u>	CRS Name <u>V1</u>	RS Name <u>V1</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>RR 05/14/20</u>
PCDD/F <u>19L230, 10mL</u>	PCDD/F <u>18F1913, 10mL</u>	PCDD/F <u>19F1602, 10mL</u>	PCDD/F <u>19F1603, 10mL</u>	Start Date/Time <u>05/14/20 1617</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RR 05/14/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>05/15/20 0829</u>	Other <u>NA</u>	Balance ID: <u>HRMS-8</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>114</u> <u>20mL</u>		

Comments:

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

PREPARATION BENCH SHEET

Matrix: Solid

B0E0107

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

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

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	2001007-03	16.24	16.37	RR ME 05/14/20	00 <u>9ML</u> 05/18/20	NA	00 05/18/20 ^{brown}	00 05/18/20 ^b	00 05/18/20	00 <u>9ML</u> 05/18/20
<input type="checkbox"/>	2001007-04	13.39	13.46	↓	↓	↓	↓ ^{black}	↓	↓	↓
<input type="checkbox"/>	2001007-05	16.13	16.21	↓	↓	↓	↓ ↓	↓	↓	↓
<input type="checkbox"/>	2001007-06	16.96	17.03	↓	↓	↓	↓ ↓	↓	↓	↓

IS Name <u>V3</u>	NS Name <u>V1</u>	CRS Name <u>V1</u>	RS Name <u>V1</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>RR 05/14/20</u>
PCDD/F <u>19L2301, 10ML</u>	PCDD/F <u>18F1913, 10ML</u>	PCDD/F <u>19I1602, 10ML</u>	PCDD/F <u>19I1603, 10ML</u>	Start Date/Time <u>05/14/20 1617</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RR 05/14/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>05/15/20 0826</u>	Other <u>NA</u>	Balance ID: <u>HRMS-8</u>
PAH _____	PAH _____	PAH _____	PAH _____		Final Volume(s) <u>114</u> <u>20ML</u>	

Comments:

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

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000948-15RE1	11.07 ✓	90.44586	10.0124	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-01	10.86 ✓	92.29166	10.0229	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-02	11.03 ✓	91.00529	10.0379	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-03	11.1 ✓	90.20979	10.0133	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-04	11.6 ✓	86.68886	10.0559	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-05	11.6 ✓	87.06698	10.0998	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-06	10.95 ✓	91.68646	10.0397	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-07	11.24 ✓	89.24051	10.0306	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001005-08	13.9 ✓	72.46094	10.0721	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-01	16.85 ✓	59.63542	10.0486	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-02	16.58 ✓	60.94118	10.1040	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-03	16.37 ✓	61.58416	10.0813	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-04	13.46 ✓	74.69697	10.0542	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-05	16.21 ✓	61.99525	10.0494	20	14-May-20 14:50	RR			Sediment	1613 Full List
2001007-06	17.03 ✓	58.94736	10.0387	20	14-May-20 14:50	RR			Sediment	1613 Full List
B0E0107-BLK1	10			20	14-May-20 14:50	RR				QC
B0E0107-BS1	10			20	14-May-20 14:50	RR	18F1913	10		QC
B0E0107-DUP1	10.86 ✓			20	14-May-20 14:50	RR				QC
B0E0107-DUP2	16.48 ✓	60.94118	10.0431	20	14-May-20 14:50	RR				QC

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

Percent Moisture/ Percent Solids

D2216-90

BATCH ID BOE0085

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

Inst HRMS-9 ✓ Date/Time IN: 05/12/20 1053 ✓ Date/Time OUT: 05/14/20 0824 ✓

Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection		pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Date					Visual Inspection	Cl-				
	2001007-01 A ✓	Sample	1.3000 ✓	05/12/20 ✓	5.1400 ✓	3.5900 ✓	2.2900	59.64	MUD ✓	NA	NA	NA	NA	X ✓
	2001007-02 A	Sample	1.2900 ✓	05/12/20 ✓	5.5400 ✓	3.8800 ✓	2.5900	60.94	MUD	NA	NA	NA	NA	X
	2001007-03 A	Sample	1.3000 ✓	05/12/20 ✓	6.3500 ✓	4.4100 ✓	3.1100	61.58	MUD	NA	NA	NA	NA	X
	2001007-04 A	Sample	1.3200 ✓	05/12/20 ✓	7.9200 ✓	6.2500 ✓	4.9300	74.70	MUD	NA	NA	NA	NA	X
	2001007-05 A	Sample	1.2900 ✓	05/12/20 ✓	5.5000 ✓	3.9000 ✓	2.6100	62.00	MUD	NA	NA	NA	NA	X
	2001007-06 A	Sample	1.3000 ✓	05/12/20 ✓	7.0000 ✓	4.6600 ✓	3.3600	58.95	MUD	NA	NA	NA	NA	X

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0E0085

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

Inst **HRMS-9** Date/Time IN: **05/12/20 1053** Date/Time OUT: **05/14/20 0824**

Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	CHT 05/12/20										
	2001007-01	A	1.30	CHT 05/12/20	5.14	3.59			Mod					✓
	2001007-02		1.29		5.54	3.88								✓
	2001007-03		1.30		6.35	4.41								✓
	2001007-04		1.32		7.92	* 6.62								✓
	2001007-05		1.29		5.80	3.90								✓
	2001007-06		1.30		7.00	4.66								✓

*Sample homogenized in sample container unless otherwise noted.

* 6.25 RR 05/14/20

Process Sheet
Workorder: 2001007

RX

M 06/09/2020
Workorder Due: 05-Jun-20 00:00

Prep Expiration: 2021-05-05
Client: Anchor QEA, LLC

TAT: 29

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

RUSH!

Prep Batch: BDF0086

Prep Data Entered: YLL 06/16/20
Date and Initials

Initial Sequence: SOF0057

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2001007-01	<input type="checkbox"/>	PDI-058SC-A-00-00-200505	07-May-20 09:50	WR-2 G-3	
2001007-02	<input type="checkbox"/>	PDI-058SC-A-00-10-200505	07-May-20 09:50	WR-2 G-3	DUP
2001007-03	<input type="checkbox"/>	PDI-058SC-A-10-10.9-200505	07-May-20 09:50	WR-2 G-3	
2001007-04	<input checked="" type="checkbox"/>	PDI-058SC-B-00-02-200505	07-May-20 09:50	WR-2 G-3	
2001007-05	<input checked="" type="checkbox"/>	PDI-058SC-B-02-05-200505	07-May-20 09:50	WR-2 G-3	
2001007-06	<input checked="" type="checkbox"/>	PDI-058SC-B-05-07-200505	07-May-20 09:50	WR-2 G-3	

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

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

Prep Check Out: RR 06/13/20
Prep Check In: RR 06/13/20

Prep Reconciled Initials/Date: RR 06/13/20
Spike Reconciled Initials/Date: RF 06/13/20
VialBoxID: CURVE

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 11-Jun-20 16:31

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
A1	B0F0086-BLK1 (B)	IVA	(10.00)	RR DF 06/13/20	ELL AZ 06/14/20	ELL 06/14/20	ELL 06/15/20	ELL 06/15/20	ELL 06/15/20	ELL AZ 06/14/20
A2	B0F0086-BS1	↓	(10.00)	↓	↓	↓	↓	↓	↓	↓
A3	B0F0086-DUP1 2000996-02RE1 (A)(B)	16.70	16.73	↓	↓	ELL 06/14/20	yellow/brown	↓	↓	↓
A4	B0F0086-DUP2 2001155-04	11.39	11.49	↓	↓	N/A	↓	↓	↓	↓
A5	B0F0086-DUP3 2001132-01	12.62	12.72	↓	↓	↓	brown	↓	↓	↓
A6	2000996-02RE1 (A)	16.70	16.80	↓	↓	ELL 06/14/20	yellow/brown	↓	↓	↓
A7	2001007-04RE1	13.39	13.46	↓	↓	↓	yellow/black	↓	↓	↓
A8	2001007-05RE1	16.13	16.36	↓	↓	↓	↓	↓	↓	↓
A9	2001007-06RE1	16.96	17.18	↓	↓	↓	↓	↓	↓	↓
A10	2001132-01 (D)	12.62	12.63	↓	↓	N/A	brown	↓	↓	↓
A11	2001132-02	11.25	11.27	↓	↓	↓	↓	↓	↓	↓
A12	2001132-03	10.91	10.96	↓	↓	↓	↓	↓	↓	↓
B1	2001132-04	11.67	11.72	↓	↓	↓	↓	↓	↓	↓
B2	2001132-05	13.36	13.49	↓	↓	↓	↓	↓	↓	↓
B3	2001155-01 (E)	11.05	11.08	↓	↓	ELL 06/14/20	yellow/brown	↓	↓	↓

IS: <u>19L2301, 10ML (V1)</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>RR 06/13/20</u>	Soxhlet Siphoned Chemist/Date: <u>RR 06/13/20</u>	Notes: (A) samples look visibly different after extraction ELL 06/14/20 (B) samples went through 2nd sulfate funnel after AP to remove water ELL 06/14/20 (C) moved roundbottom under column late during florisil ELL 06/15/20
NS: <u>18F1913, 10ML (V1)</u>	Start Date/Time <u>06/13/20</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RR 06/13/20</u>	Vial Transfer Chemist/Date: <u>ELL 06/16/20</u>	
PS/CRS: <u>20E0701, 10ML (V6)</u>	1600	Other <u>NA</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20E0702, 10ML (V5)</u>	Stop Date/Time <u>06/14/20</u>	Final Volume(s) <u>C14</u> <u>20ML</u>			

Comments: (D) left residue on conical vial during blow down (not crystallized) (E) moved roundbottom under column late during florisil ELL 06/15/20

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

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist: RP

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 11-Jun-20 16:31

Column Packer:

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
B4	2001155-02 (C)	10.88	11.02	RR 06/13/20	EM AE 06/14/20	EM 06/14/20	EM 06/15/20 <i>yellow/brown</i>	EM 06/15/20	EM 06/15/20	EM AE 06/16/20
B5	2001155-03	11.01	11.03	T	T	T	T	T	T	T
B6	2001155-04	11.39	11.47	T	T	N/A	T	T	T	T
B7	2001155-05	11.51	11.58	T	T	T	T	T	T	T

* EM 06/14/20

(C) moved roundbottom under column late during florisil EM 06/15/20

IS: <u>19L 230L, 10mL V</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>RP 06/13/20</u>	Soxhlet Siphoned Chemist/Date: <u>RP 06/13/20</u>	Notes:
NS: <u>18F1913, 10mL V</u>	Start Date/Time <u>06/13/20 1600</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RP 06/13/20</u>	Vial Transfer Chemist/Date: <u>EM 06/16/20</u>	
PS/CRS: <u>20E0701, 10mL V</u>	Stop Date/Time <u>06/14/20</u>	Other: <u>NA</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20E0702, 10mL V</u>		Final Volume(s) <u>44</u> <u>20mL</u>			
Diox/F PCB PAH PEST PBDE HCB					

Comments:

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

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000996-02RE1	16.8 ✓	59.88593	10.0608	20 ✓	08-May-20 12:49	RR ✓			Sediment	1613 Full List
2001007-04RE1	13.46 ✓	74.69697	10.0542	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001007-05RE1	16.36 ✓	61.99525	10.1424	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001007-06RE1	17.18 ✓	58.94736	10.1272	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-01	12.63 ✓	79.25764	10.0102	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-02	11.27 ✓	88.91625	10.0209	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-03	10.96 ✓	91.61848	10.0414	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-04	11.72 ✓	85.66978	10.0405	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-05	13.49 ✓	74.82679	10.0941	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-01	11.08 ✓	90.46512	10.0235	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-02	11.02 ✓	91.94805	10.1327	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-03	11.03 ✓	90.81197	10.0166	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-04	11.47 ✓	87.79343	10.0699	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-05	11.58 ✓	86.91207	10.0644	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
B0F0086-BLK1	10 ✓	100	(10.00)	20	11-Jun-20 16:31	RR				QC
B0F0086-BS1	10 ✓	100	(10.00)	20	11-Jun-20 16:31	RR	18F1913 ✓	10 ✓		QC
B0F0086-DUP1	16.73 ✓	59.88593	10.0189101	20	11-Jun-20 16:31	RR				QC
B0F0086-DUP2	11.49 ✓	87.79343	10.0874651	20	11-Jun-20 16:31	RR				QC
B0F0086-DUP3	12.72 ✓	79.25764	10.0815718	20 ✓	11-Jun-20 16:31	RR ✓				QC

All bolded data on report verified against written benchsheet by (initial/date) EM 06/16/20

SAMPLE DATA – EPA METHOD 1613

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

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

GRB 05/19/2020

C1 05/20/2020

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

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

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

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

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

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

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

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

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

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

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

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

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

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

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

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

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

22. ID: B0E Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDF	35.24	3.432e3	2.437e3	1.769e2	1.353e2	1.31	NO	3.122e2	0.075954	0.075954	0.0326

Hepta-Furans

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

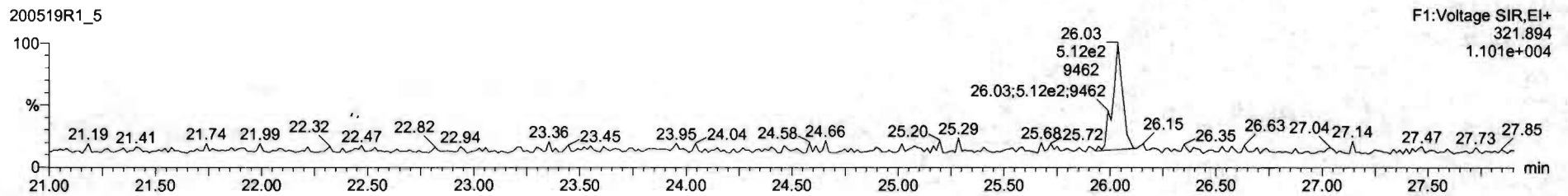
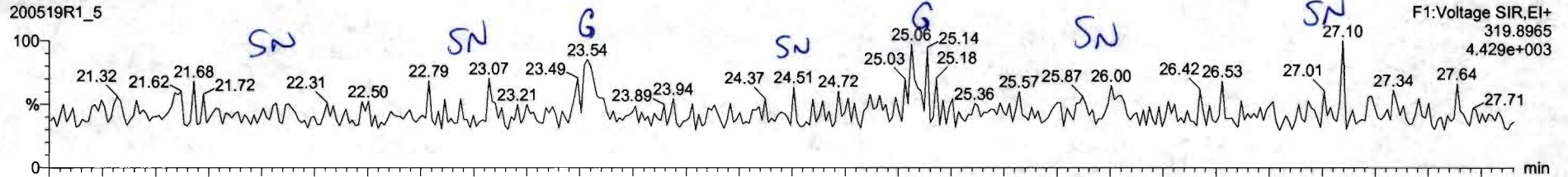
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Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

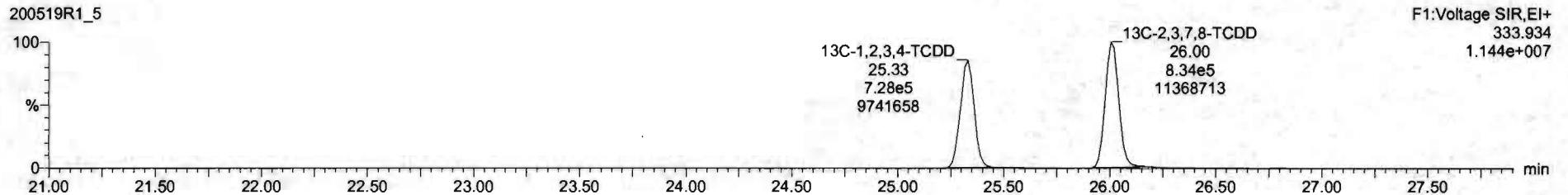
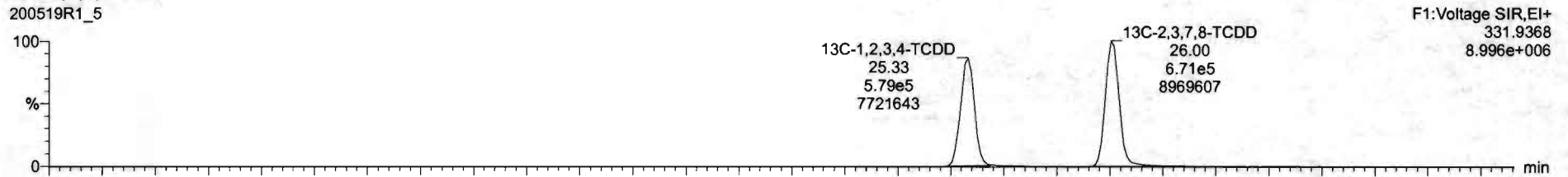
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

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

2,3,7,8-TCDD



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



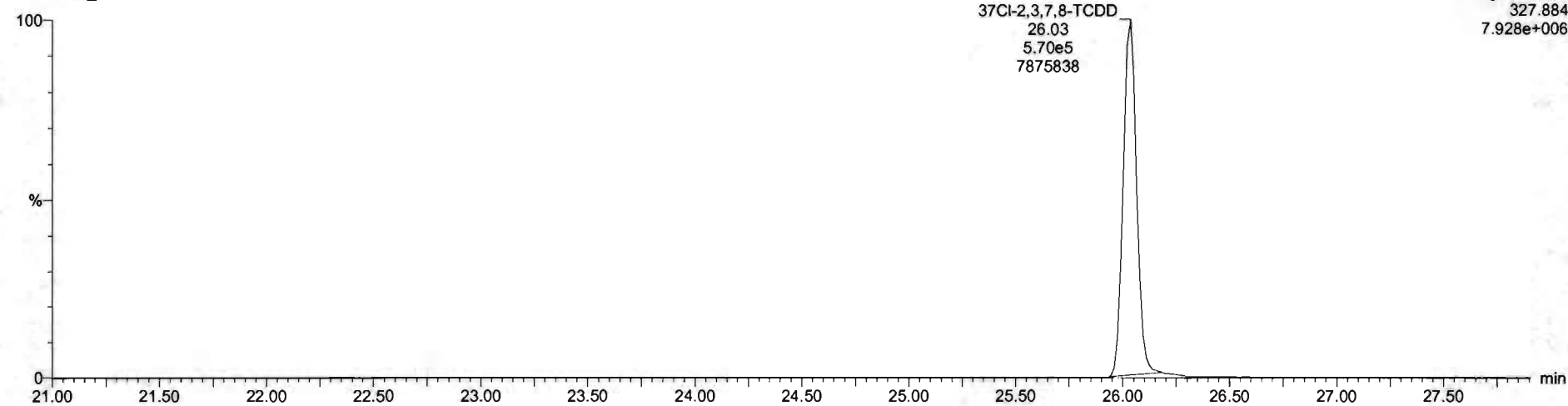
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Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

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

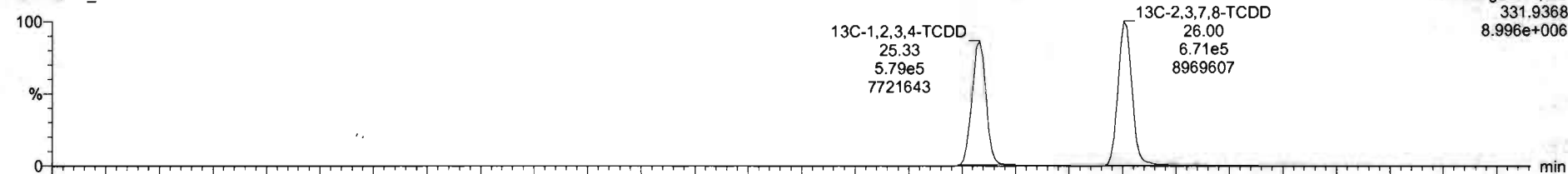
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200519R1_5

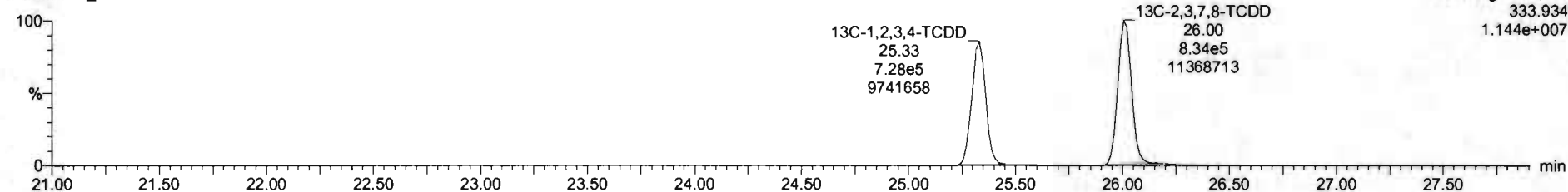


13C-1,2,3,4-TCDD

200519R1_5



200519R1_5



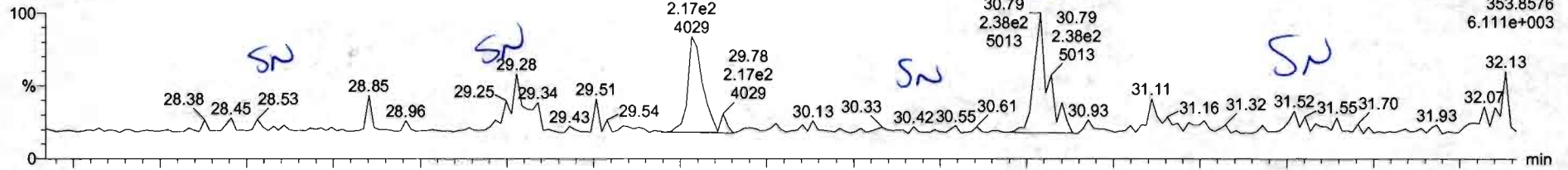
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Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

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

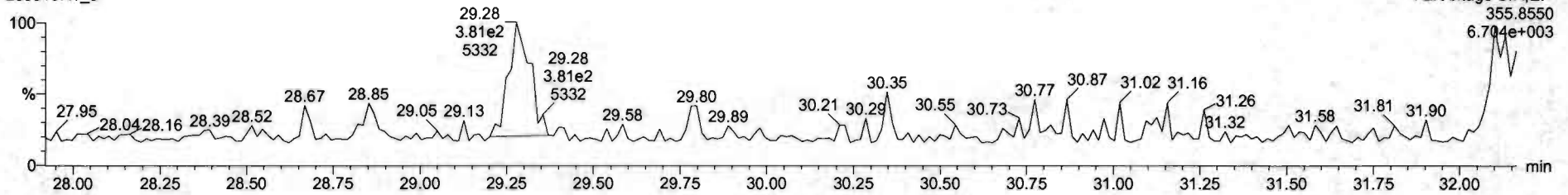
1,2,3,7,8-PeCDD

200519R1_5



F2:Voltage SIR,EI+
353.8576
6.111e+003

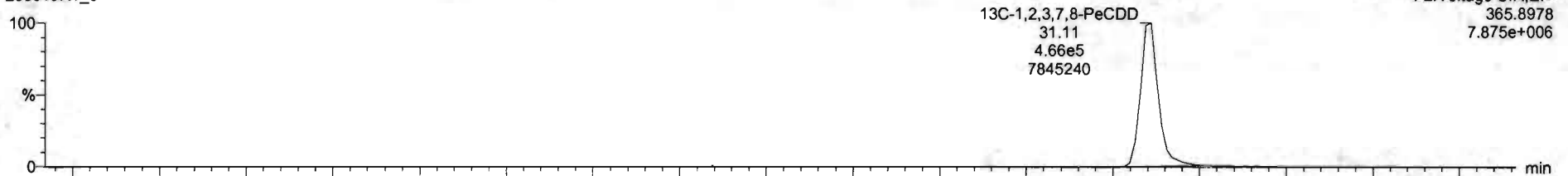
200519R1_5



F2:Voltage SIR,EI+
355.8550
6.704e+003

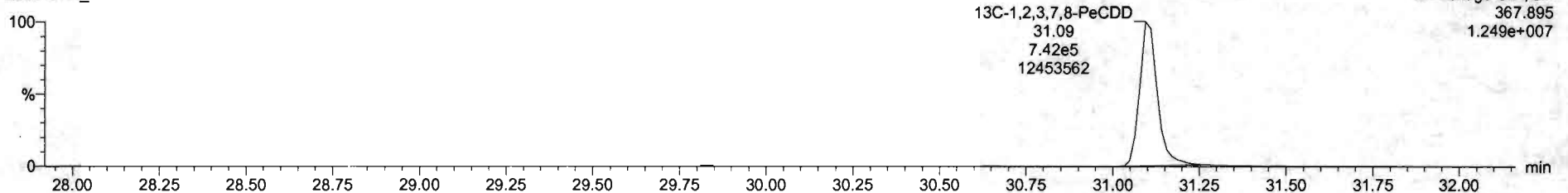
13C-1,2,3,7,8-PeCDD

200519R1_5



F2:Voltage SIR,EI+
365.8978
7.875e+006

200519R1_5



F2:Voltage SIR,EI+
367.895
1.249e+007

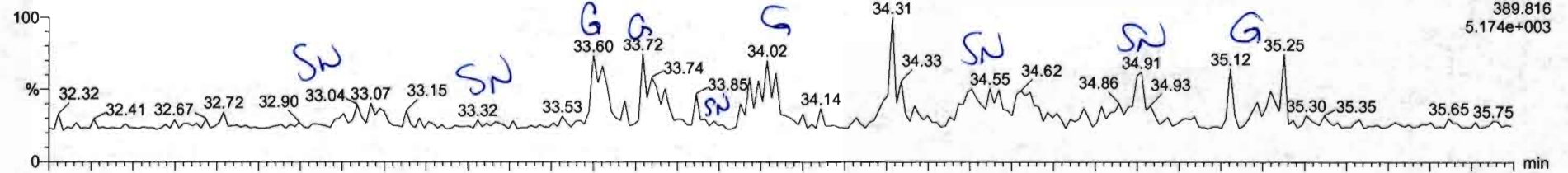
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Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

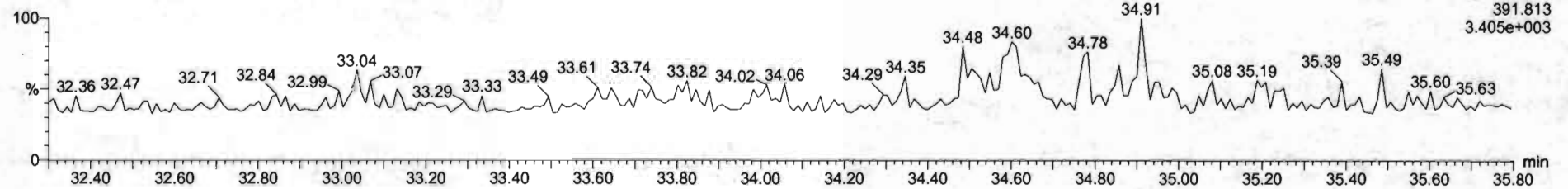
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1,2,3,4,7,8-HxCDD

200519R1_5

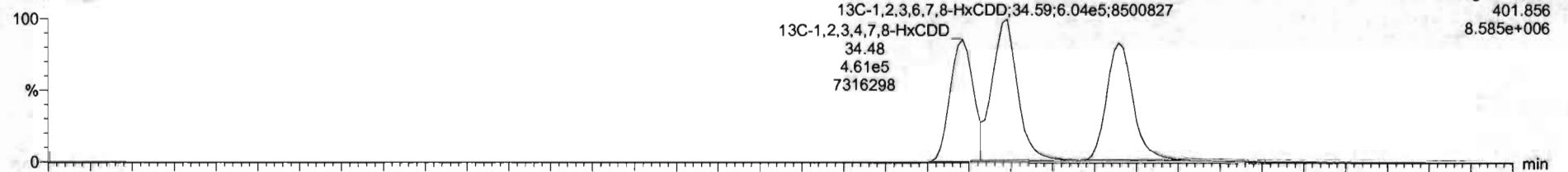


200519R1_5

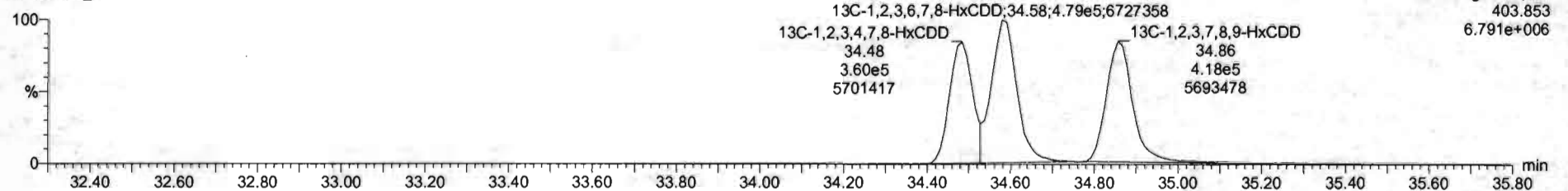


13C-1,2,3,4,7,8-HxCDD

200519R1_5



200519R1_5



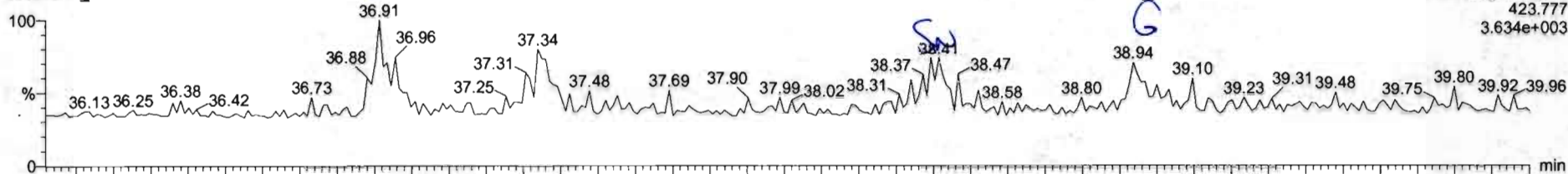
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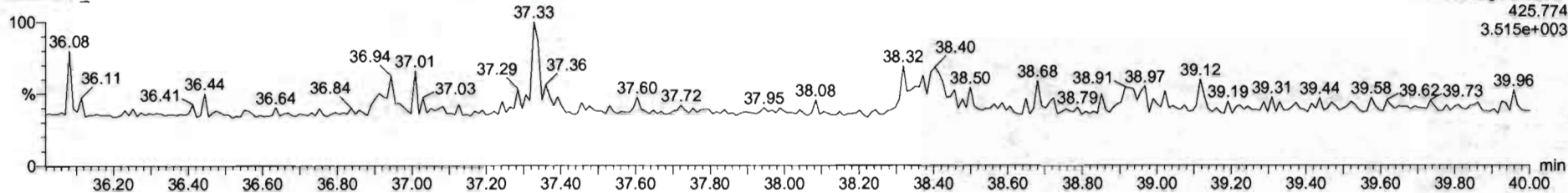
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1,2,3,4,6,7,8-HpCDD

200519R1_5

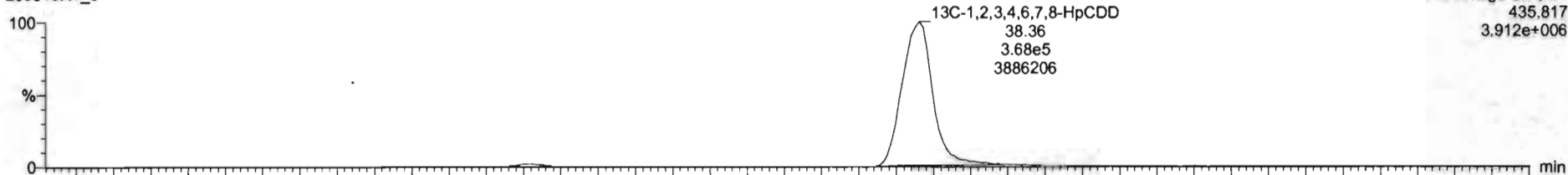


200519R1_5

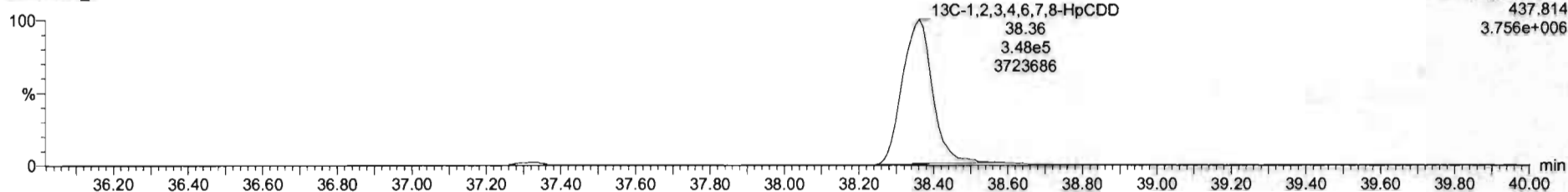


13C-1,2,3,4,6,7,8-HpCDD

200519R1_5



200519R1_5

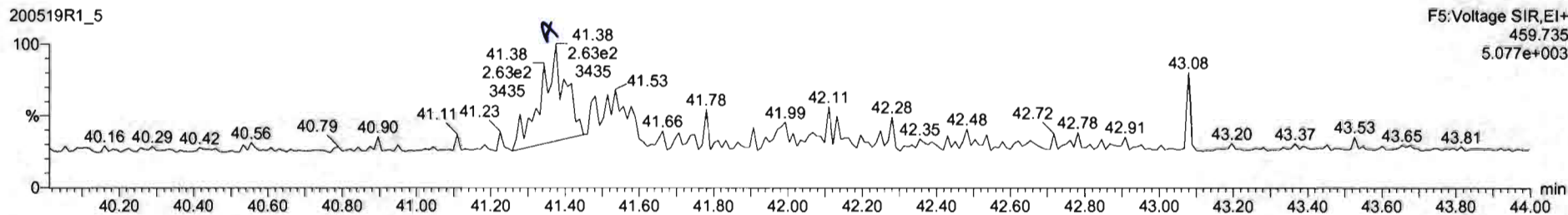
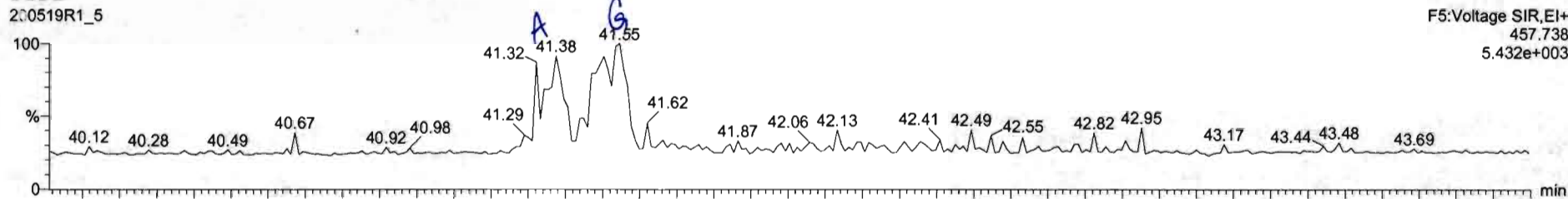


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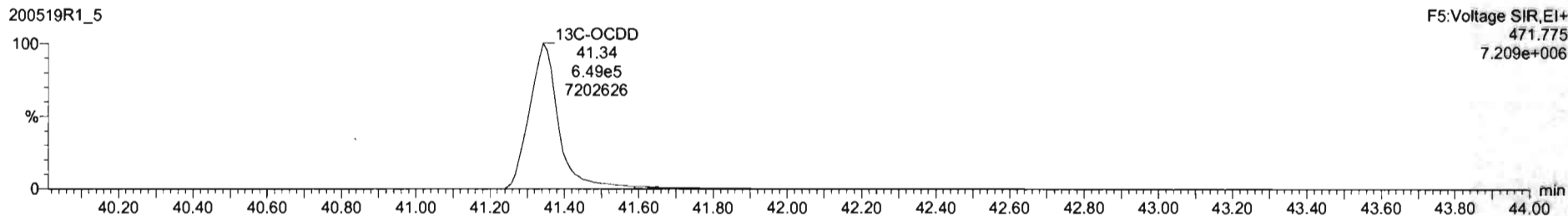
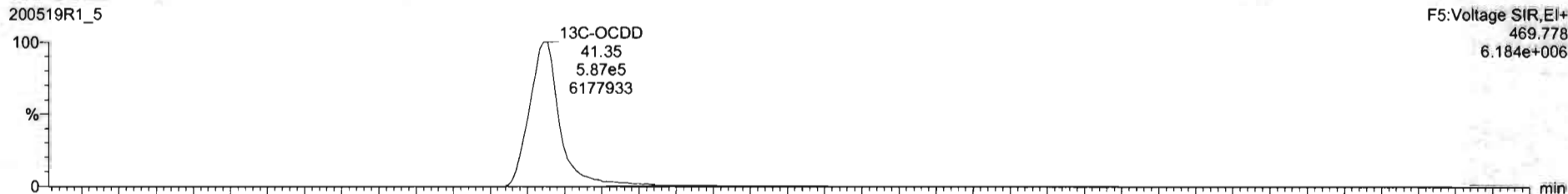
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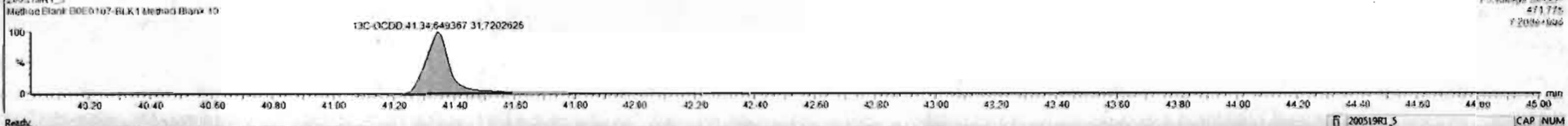
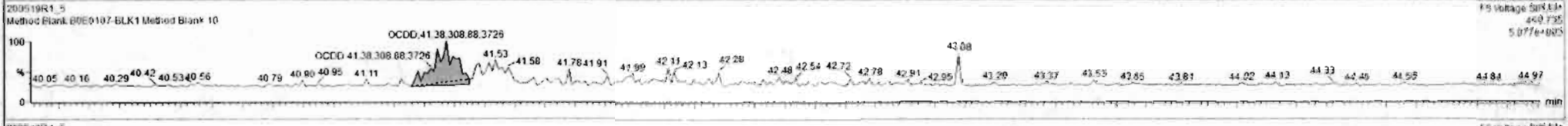
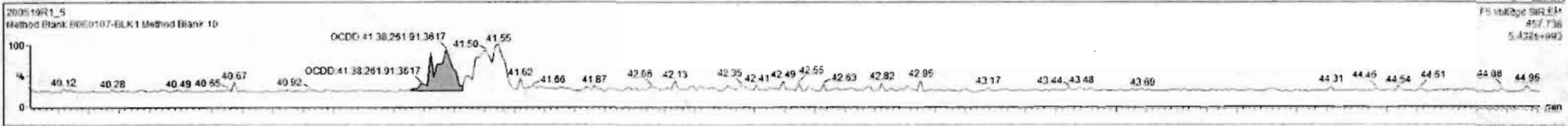
OCDD



13C-OCDD



#	Name	Resp	RA	nry	RRF	wfVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.9475	10.000					0.0490	
2	1,2,3,7,8-PeCDD				0.9425	10.000					0.0423	
3	1,2,3,4,7,8-HxCDD				1.0641	10.000					0.0466	
4	1,2,3,6,7,8-HxCDD				0.9145	10.000					0.0464	
5	1,2,3,7,8,9-HxCDD				0.9145	10.000					0.0553	
6	1,2,3,4,6,7,8-HpCDD				0.8979	10.000					0.0803	
7	OCDD	5.71e2	0.25		0.9335	10.000	41.36	1.001	0.180		0.100	0.196
8	2,3,7,8-TCDF				0.7871	10.000					0.0282	
9	1,2,3,7,8-PeCDF				0.9102	10.000					0.0310	
10	2,3,4,7,8-PeCDF				0.9664	10.000					0.0260	
11	1,2,3,4,7,8-HxCDF				0.8782	10.000					0.0353	
12	1,2,3,6,7,8-HxCDF				0.8740	10.000					0.0341	
13	2,3,4,6,7,8-HxCDF				0.9217	10.000					0.0374	
14	1,2,3,7,8,9-HxCDF				0.8642	10.000					0.0544	
15	1,2,3,4,6,7,8-HpCDF				0.8712	10.000					0.0538	
16	1,2,3,4,7,8,9-HpCDF				1.0116	10.000					0.0600	
17	OCDF				0.8021	10.000					0.0828	

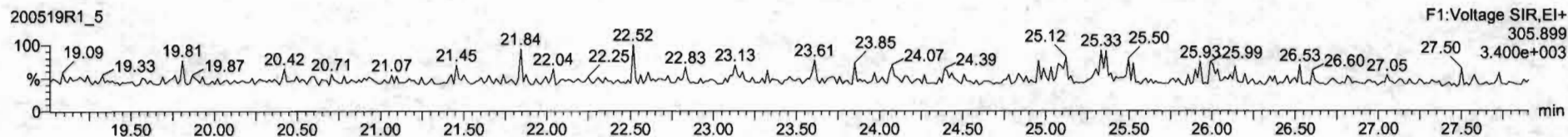
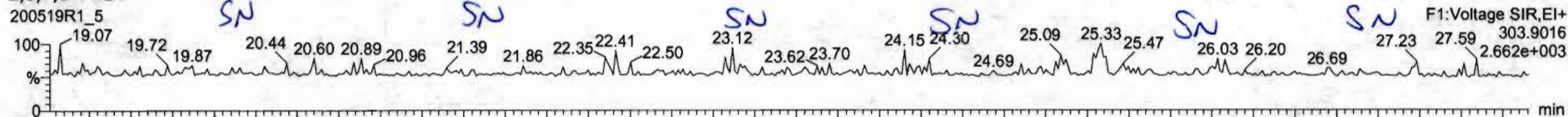


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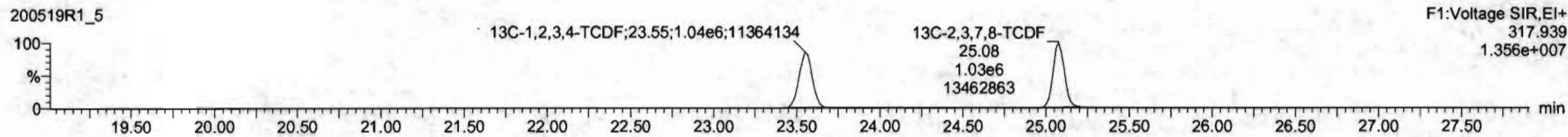
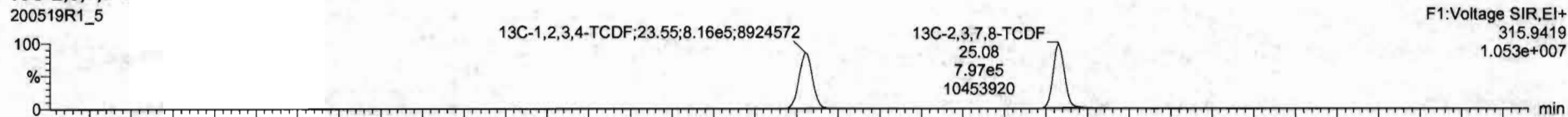
Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

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

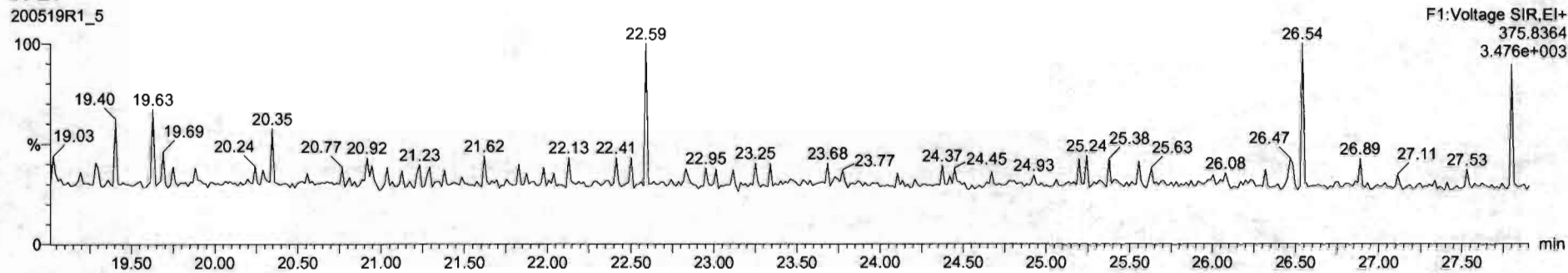
2,3,7,8-TCDF



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



DPE1



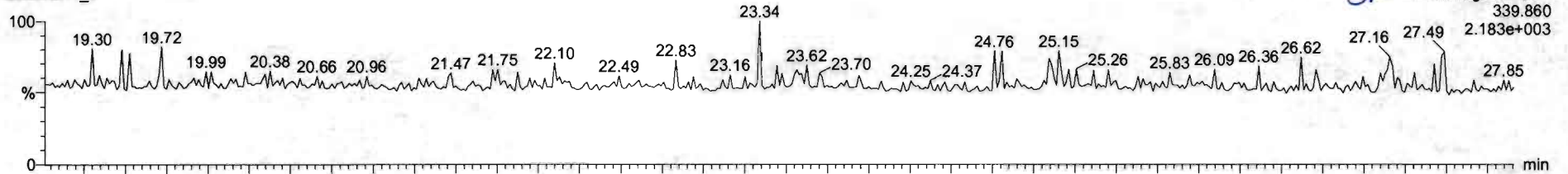
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Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

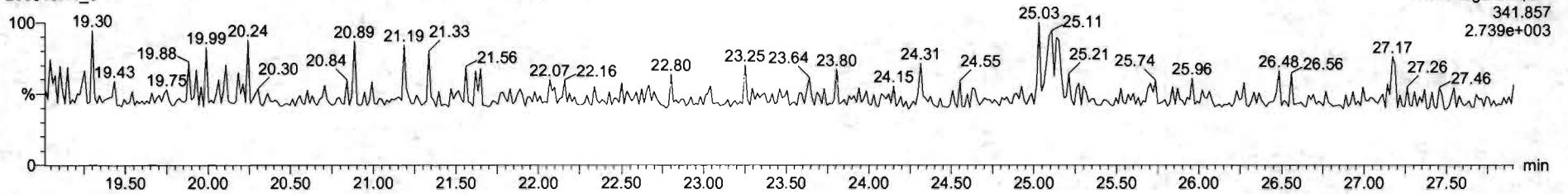
Name: 200519R1_5, Date: 19-May-2020, Time: 11:47:22, ID: B0E0107-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

200519R1_5

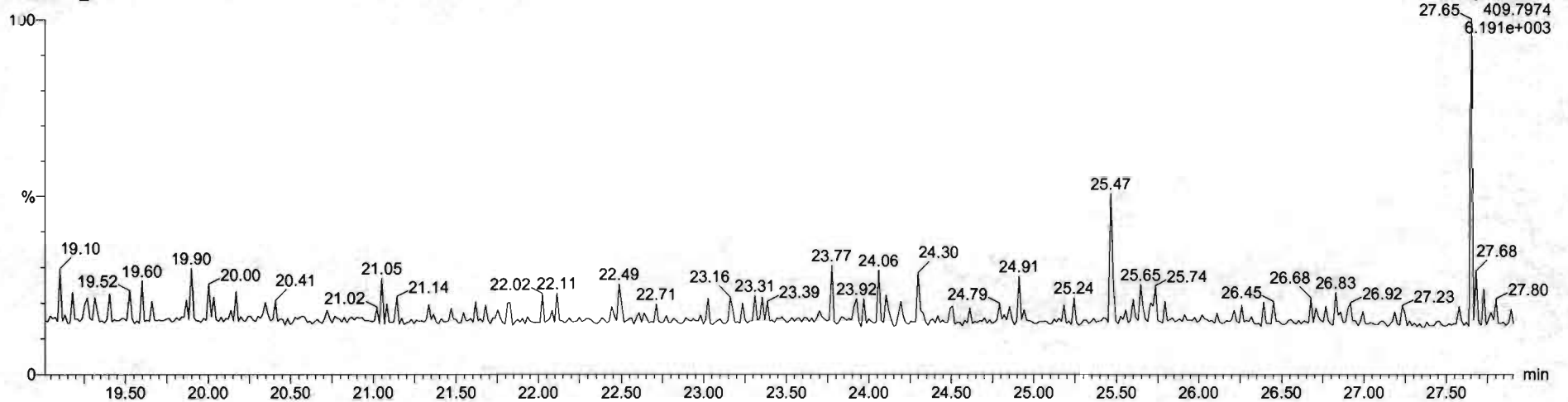


200519R1_5



DPE6

200519R1_5

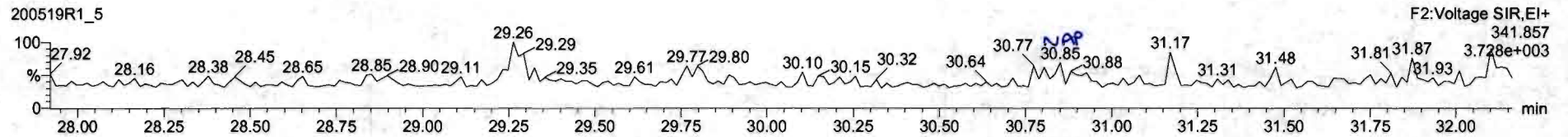
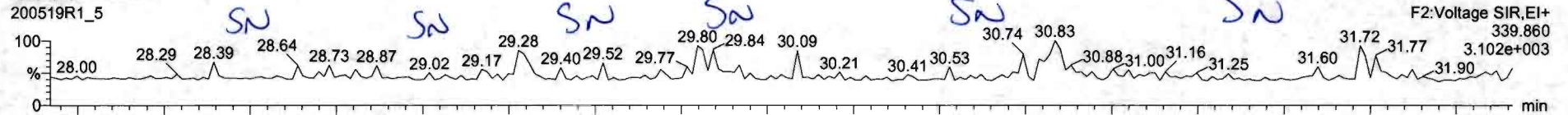


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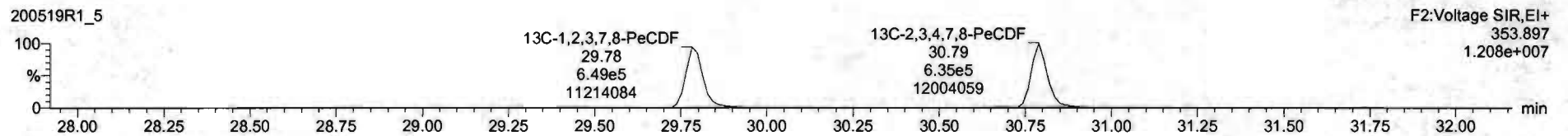
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Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

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

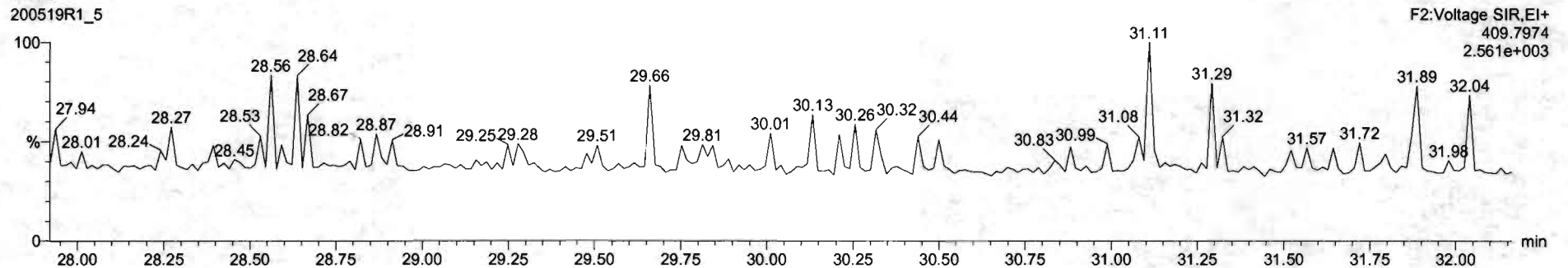
1,2,3,7,8-PeCDF



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



DPE2

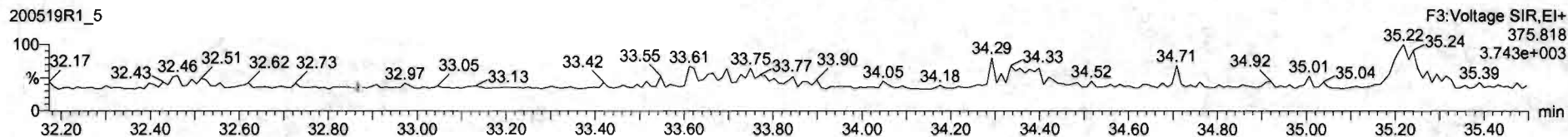


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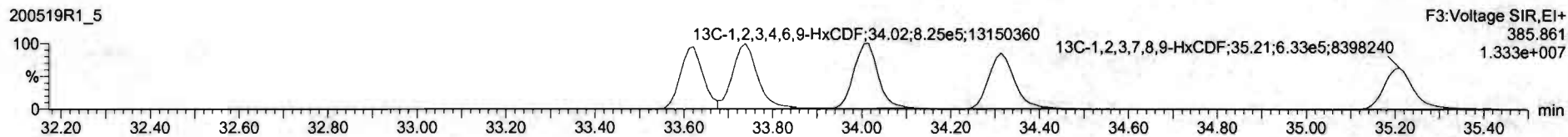
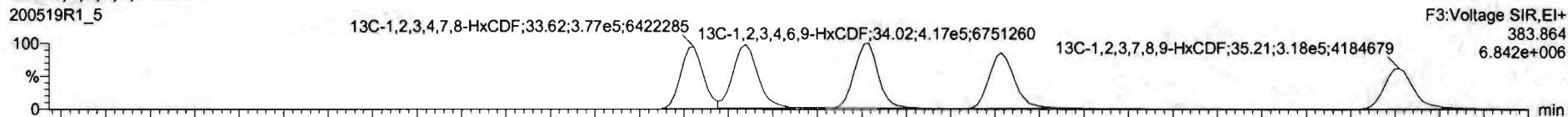
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Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

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

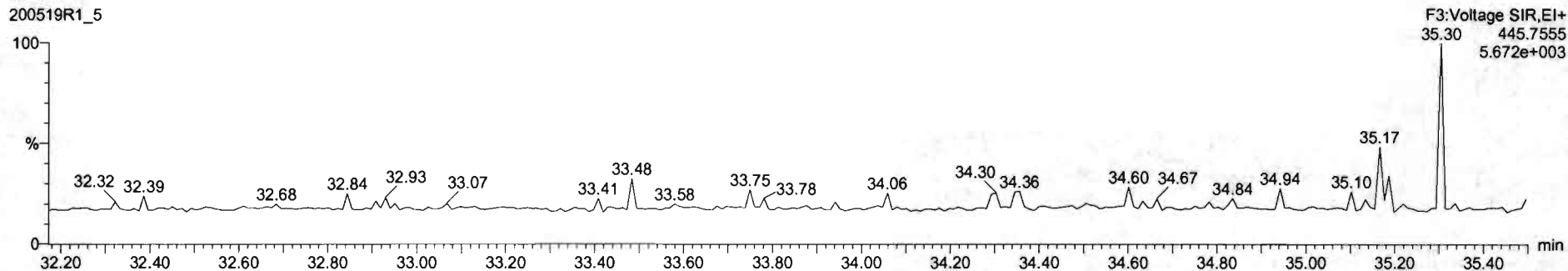
1,2,3,4,7,8-HxCDF



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

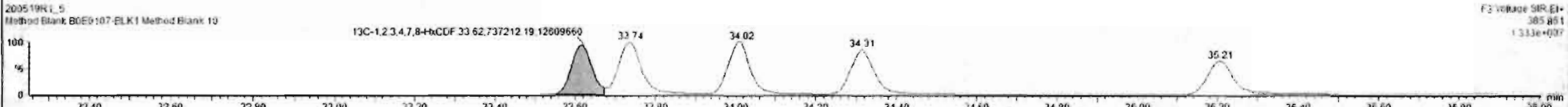
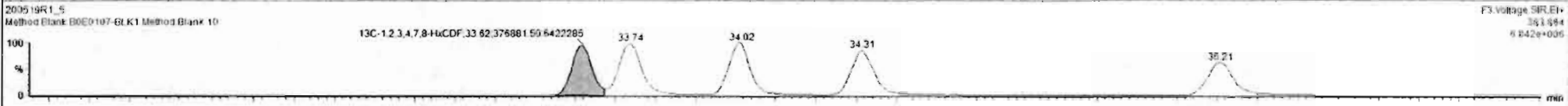
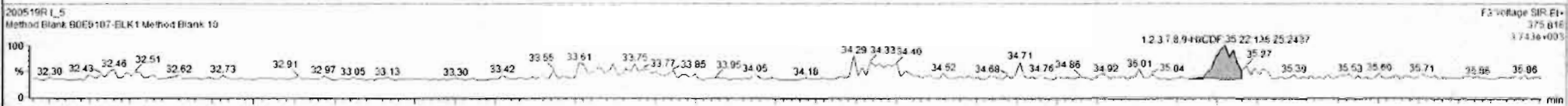
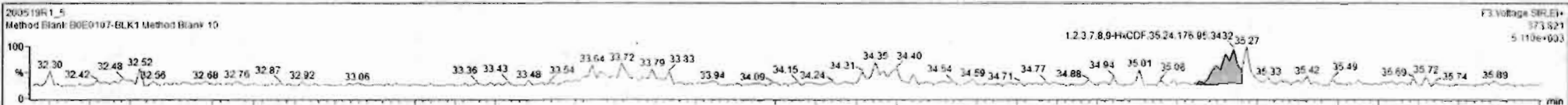


DPE3



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

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

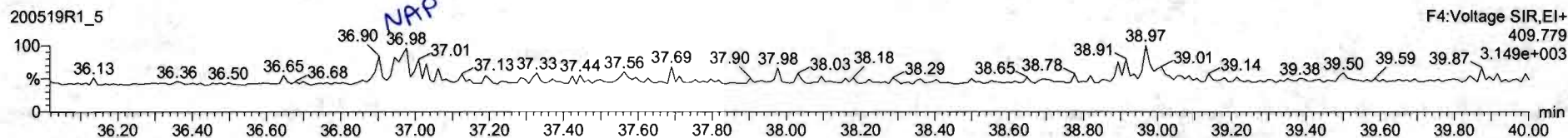
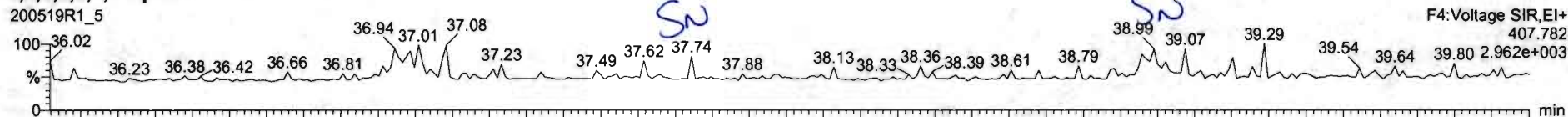


Dataset: Untitled

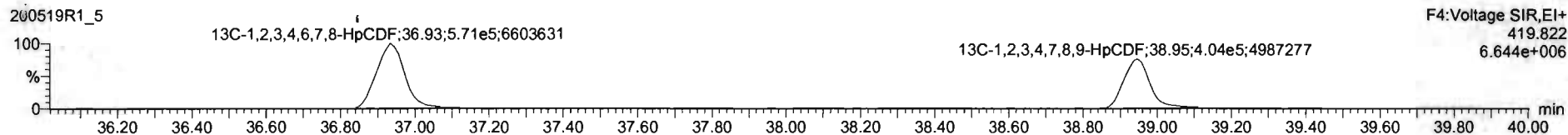
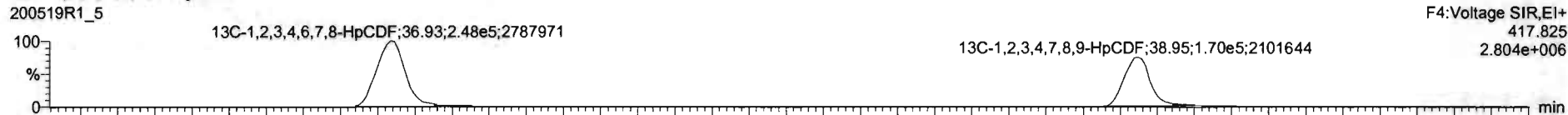
Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

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

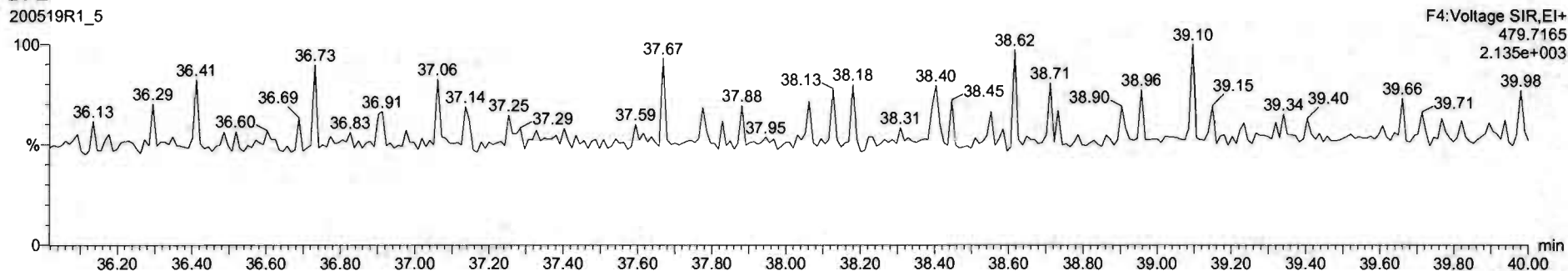
1,2,3,4,6,7,8-HpCDF



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



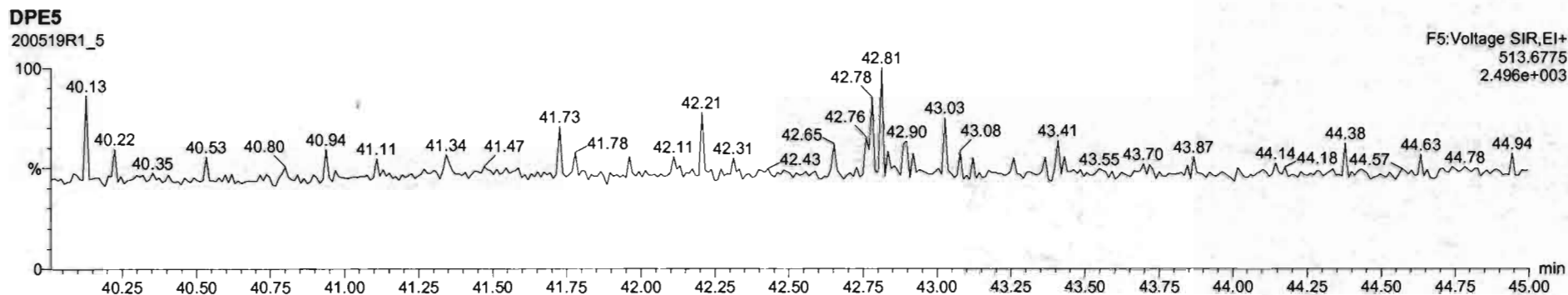
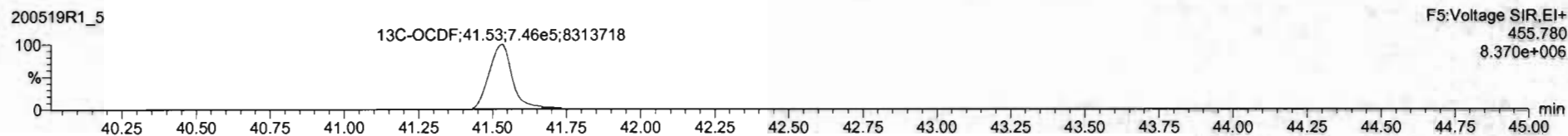
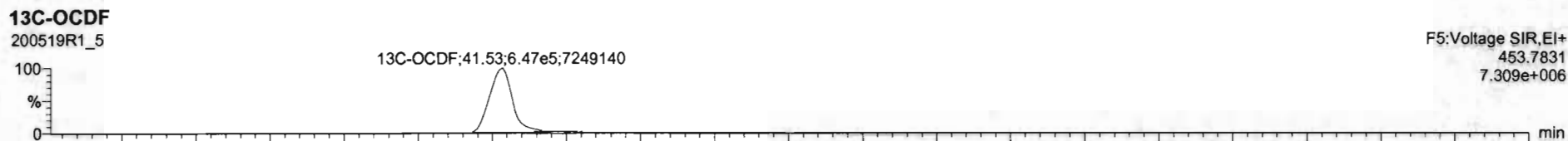
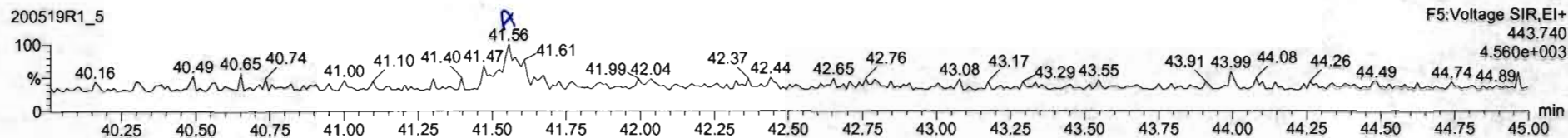
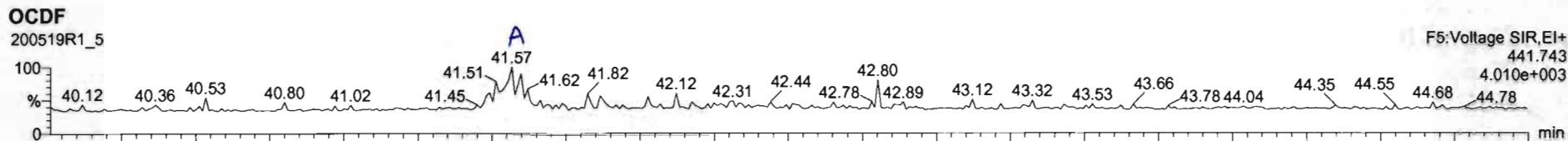
DPE4



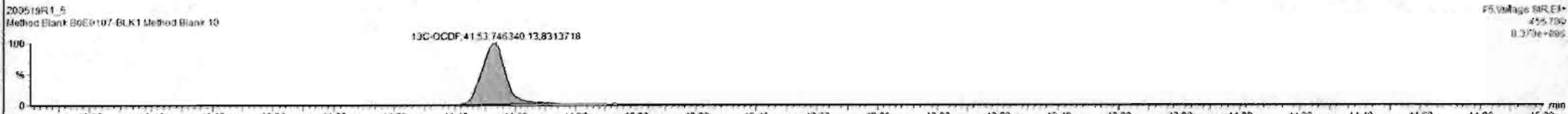
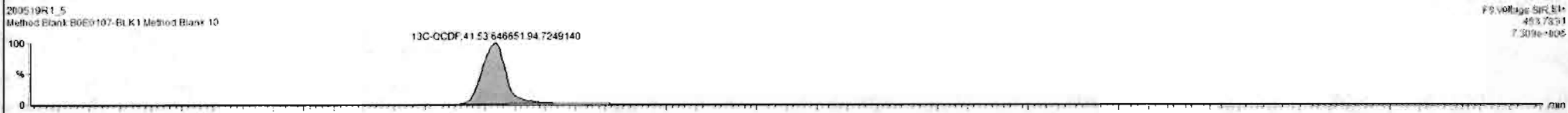
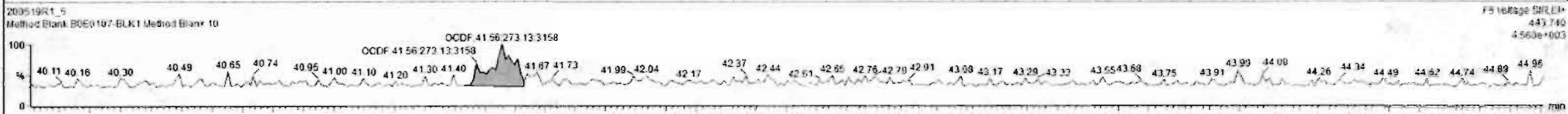
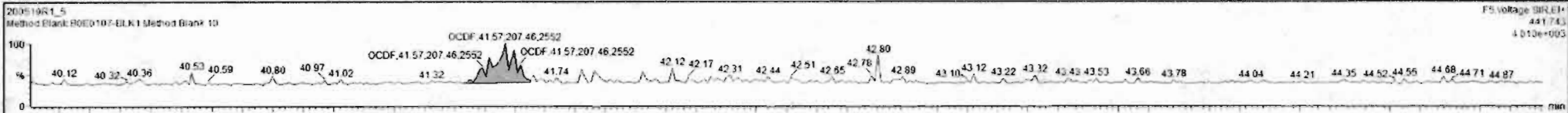
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Last Altered: Tuesday, May 19, 2020 13:27:55 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 13:27:58 Pacific Daylight Time

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



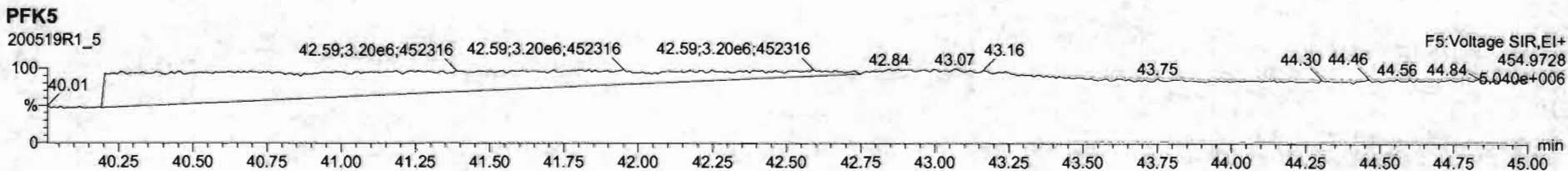
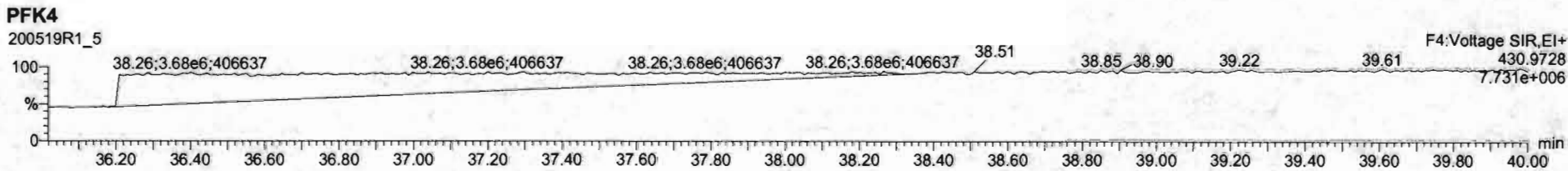
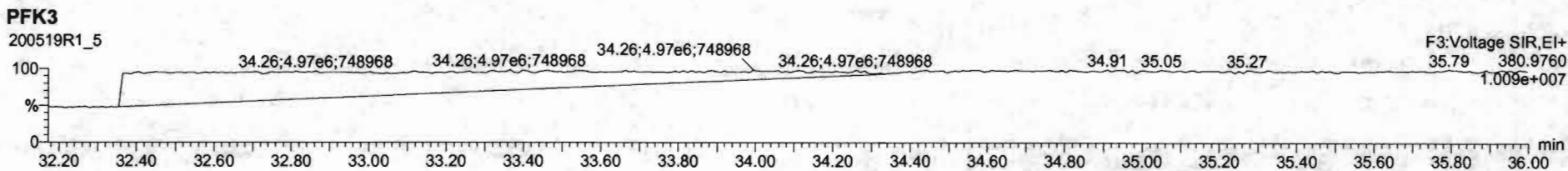
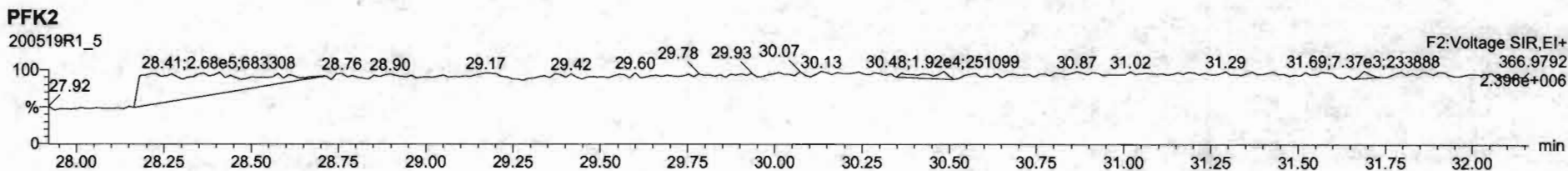
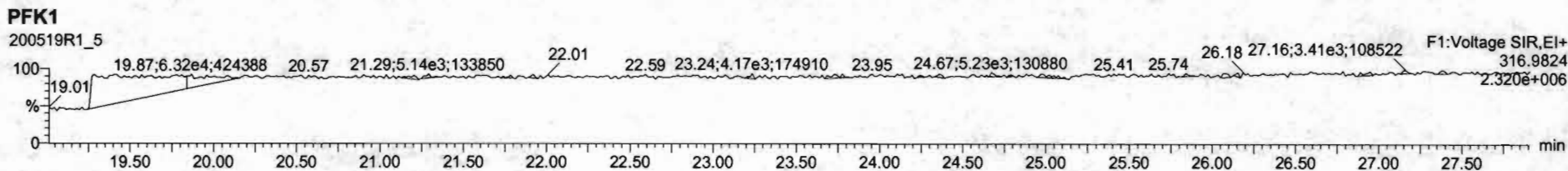
Name	Resp	RA	afy	RRF	wtVol	RT	RRT	Conc	%Rec	OL	EMPC
1 2,3,7,8-TCDD			NO	0.9475	10.000					0.0430	
2 1,2,3,7,8-PeCDD			NO	0.6425	10.000					0.0423	
3 1,2,3,4,7,8-HxCDD			NO	1.0641	10.000					0.0466	
4 1,2,3,6,7,8-HxCDD			NO	0.9145	10.000					0.0464	
5 1,2,3,7,8,9-HxCDD			NO	0.9149	10.000					0.0553	
6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



Dataset: Untitled

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

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



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

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

GRB 05/19/2020

C7 05/20/2020

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

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

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

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

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

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

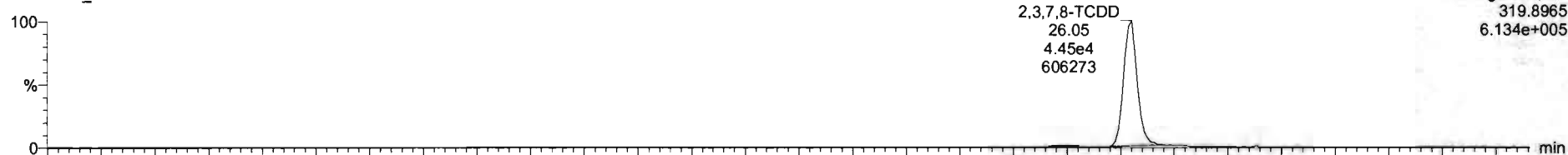
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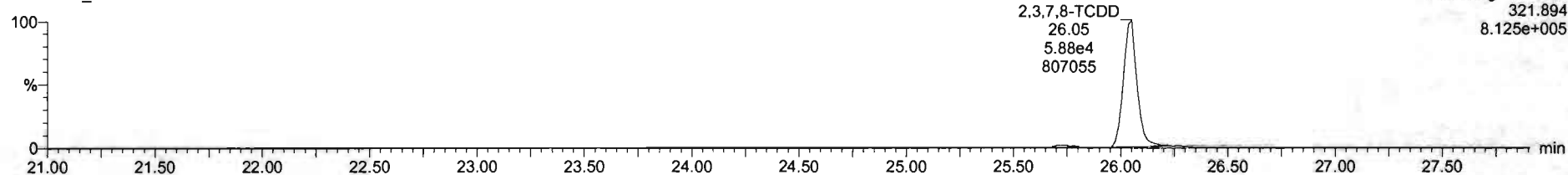
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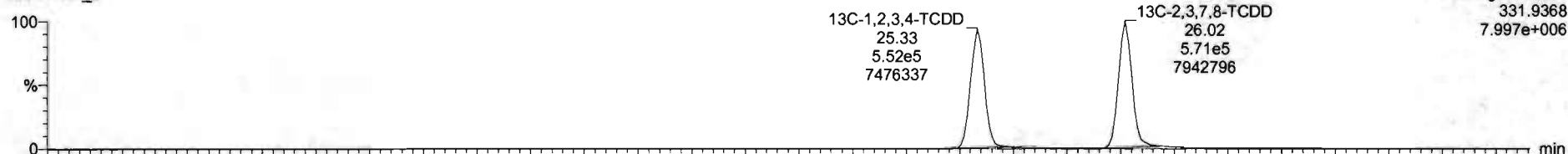
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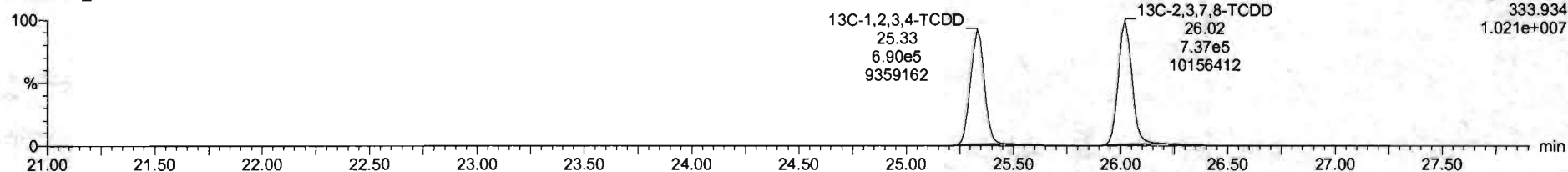
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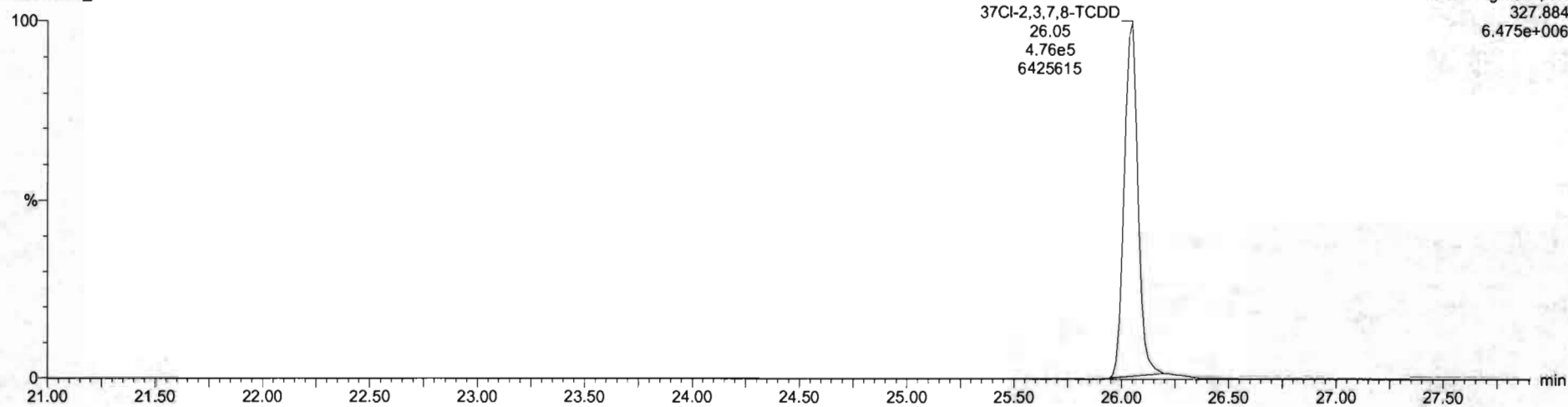
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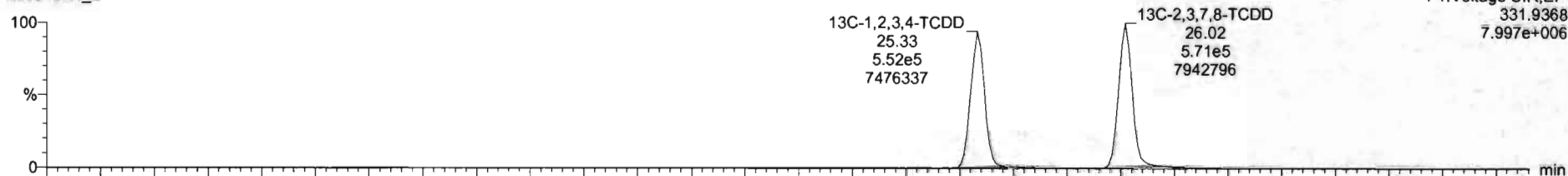
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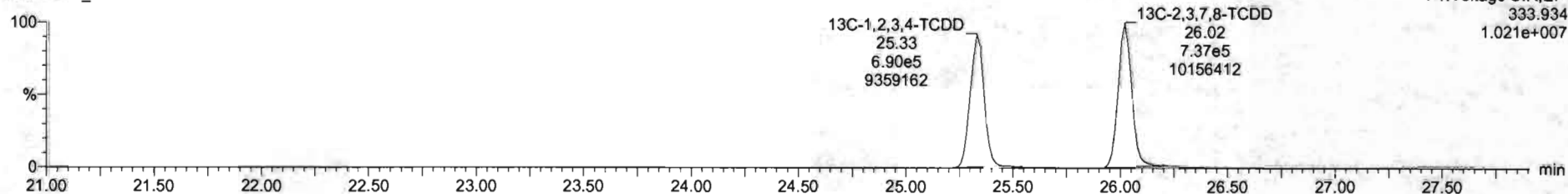


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200519R1_2



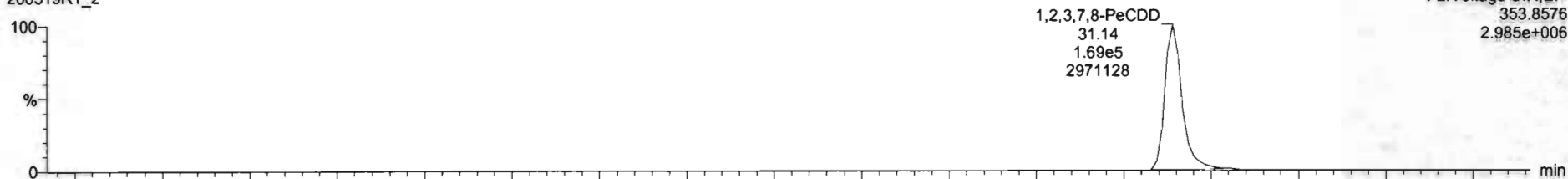
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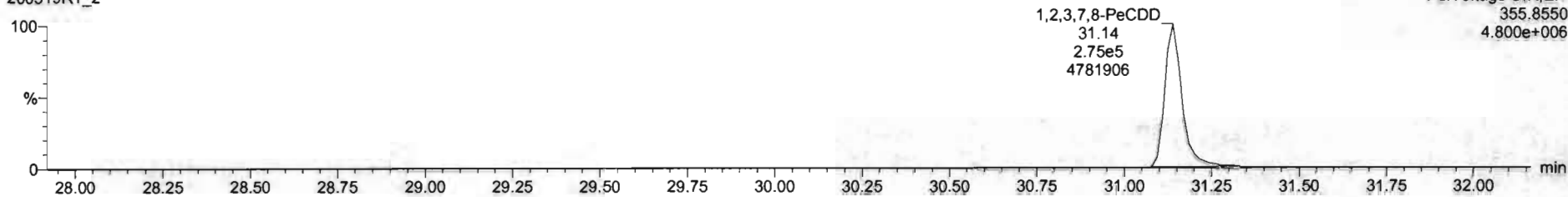
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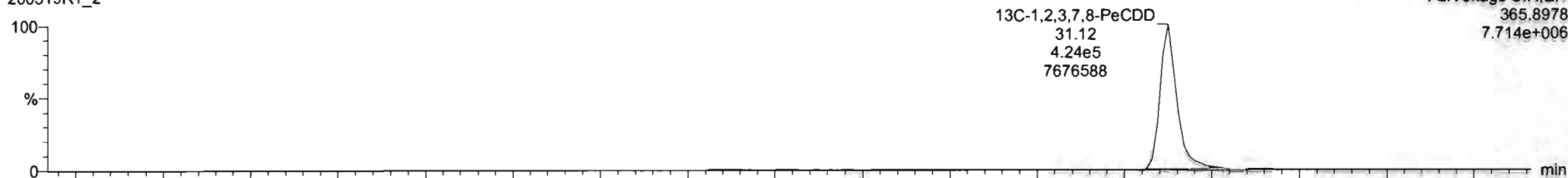


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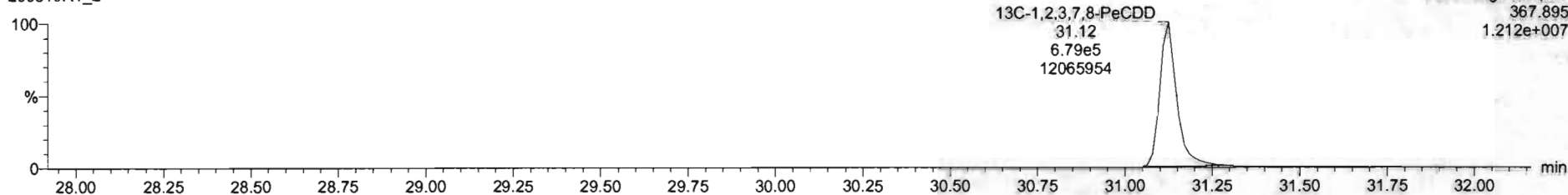


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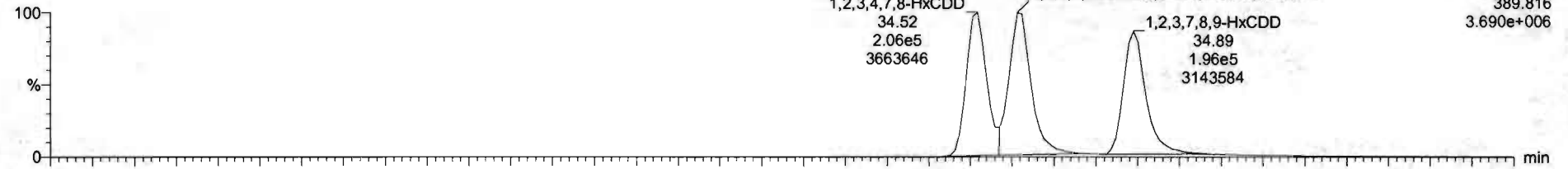
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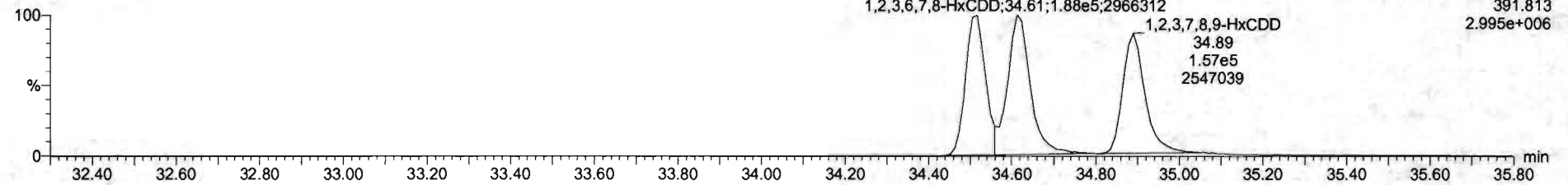
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1,2,3,4,7,8-HxCDD

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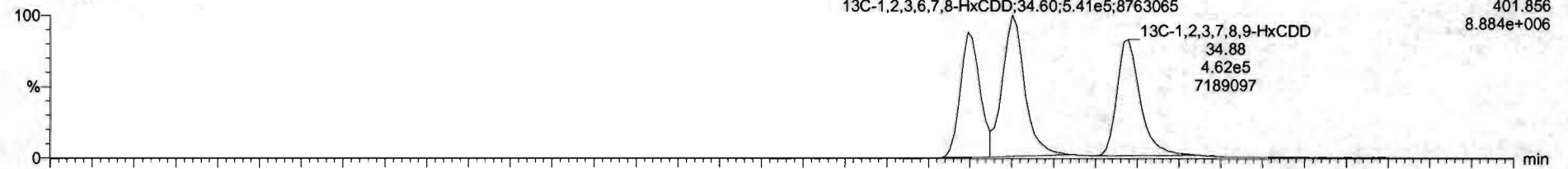


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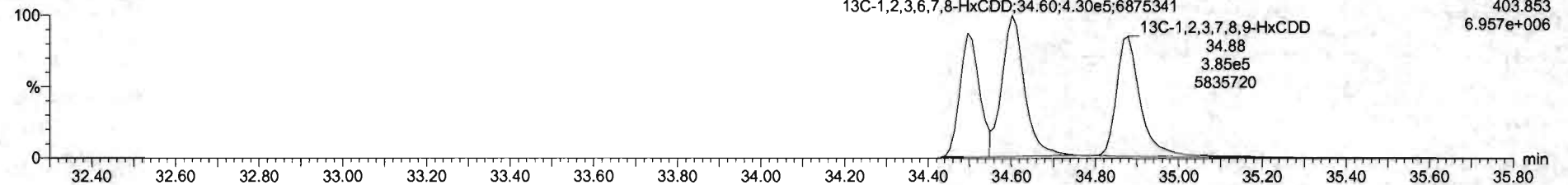


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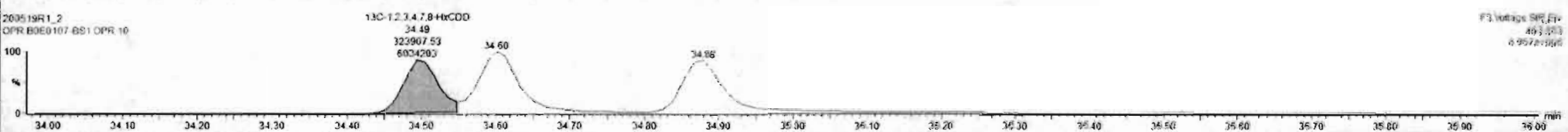
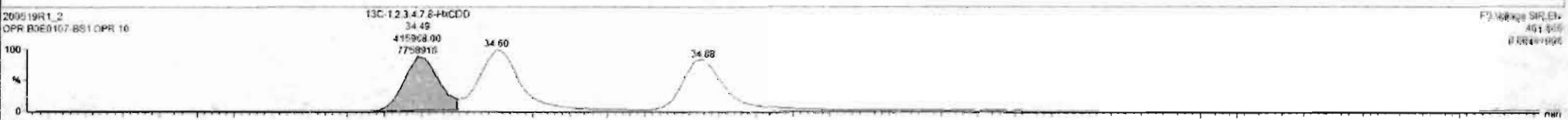
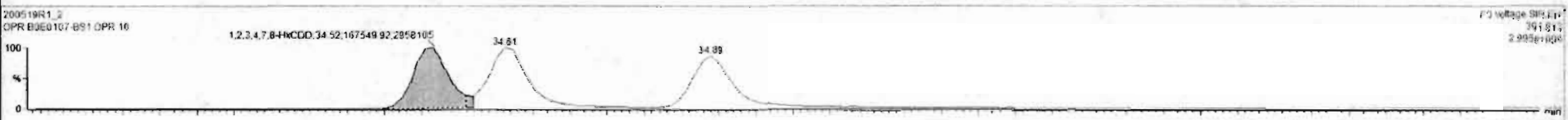
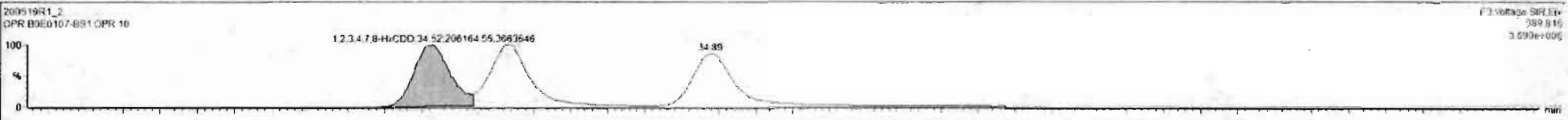
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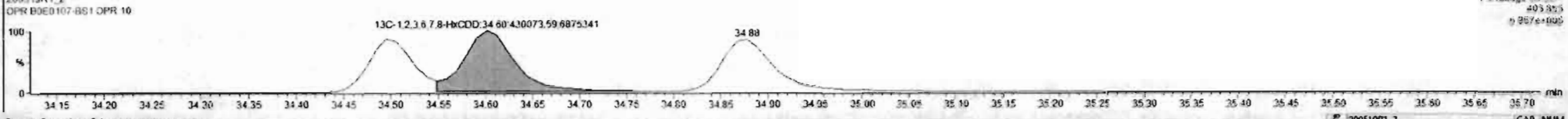
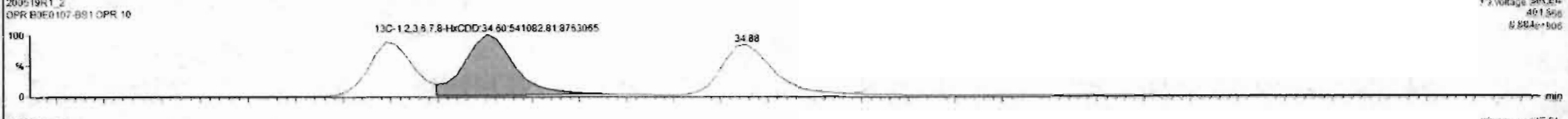
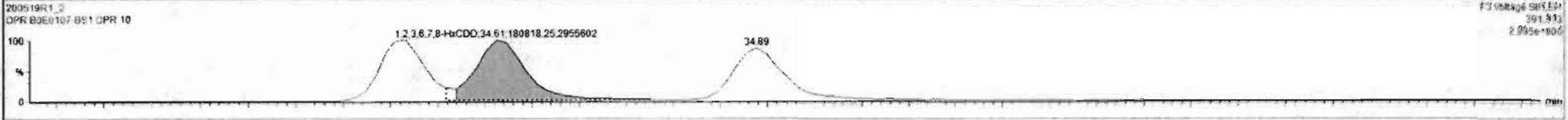
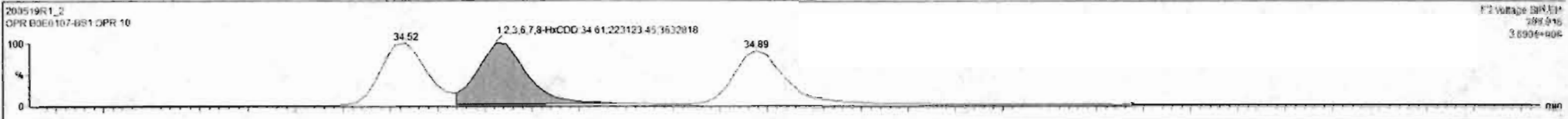
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Name	Reap	RA	nly	RRF	wt%ol	RT	RRT	Conc.	%Rec	DL	F MFC
1 2,3,7,8-TCDD	1.07e5	0.76	NO	0.9475	10.000	26.85	1.001	15.7	0.745	16.7	
2 1,2,3,7,8-PeCDD	4.44e5	6.82	NO	0.9425	10.000	31.14	1.000	85.5	0.112	85.5	
3 1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.0541	10.000	34.52	1.001	94.9	0.201	94.9	
4 1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0	0.205	91.0	
5 1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.69	1.000	91.0	0.245	91.0	
6 1,2,3,4,6,7,8-HpCDD	2.66e5	1.05	NO	0.8979	10.000	36.39	1.000	94.7	0.297	94.7	
7 OCDD	4.77e5	0.88	NO	0.9325	10.000	41.36	1.000	189	0.231	189	
8 2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1	0.125	18.1	
9 1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.83	1.001	91.3	0.157	91.3	
10 2,3,4,7,8-PeCDF	6.02e5	1.54	NO	0.9654	10.000	30.83	1.001	91.1	0.144	91.4	
11 1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8722	10.000	33.66	1.001	102	0.264	102	
12 1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101	0.255	101	
13 2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	99.6	0.274	99.6	
14 1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8542	10.000	35.24	1.000	104	0.403	104	
15 1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.98	1.001	101	0.337	101	
16 1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0116	10.000	38.98	1.001	105	0.298	105	
17 OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192	0.381	152	



#	Name	Resp	RA	nry	RRF	wrvol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.03e5	0.76	NO	0.9475	10.000	26.05	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.82	NO	0.9425	10.000	31.14	1.000	85.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.68e5	1.28	NO	1.0541	10.000	34.52	1.001	92.4		0.201	92.4
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.239	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9149	10.000	34.85	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.66e5	1.05	NO	0.8979	10.000	36.39	1.000	94.7		0.257	94.7
7	OCDD	4.77e5	0.88	NO	0.9335	10.000	41.36	1.000	189		0.331	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	18.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.83	1.001	91.3		0.157	91.3
10	1,2,3,4,7,8-HxCDF	6.62e5	1.54	NO	0.9664	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,6,7,8-HpCDF	4.41e5	1.21	NO	0.8782	10.000	33.65	1.001	102		0.264	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101		0.255	101
13	1,2,3,4,6,7,8-HpCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	99.6		0.274	99.6
14	1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8642	10.000	35.24	1.000	104		0.403	104
15	1,2,2,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.98	1.001	101		0.337	101
16	1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0115	10.000	36.98	1.001	105		0.392	105
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



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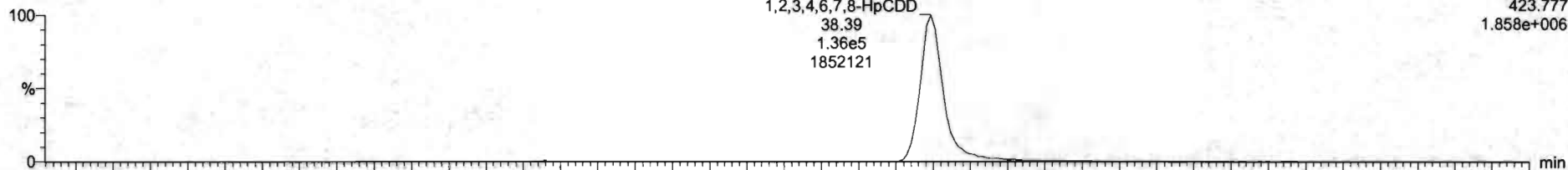
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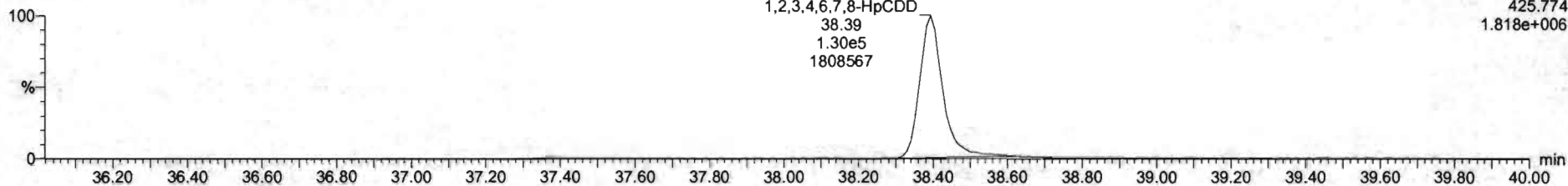
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200519R1_2



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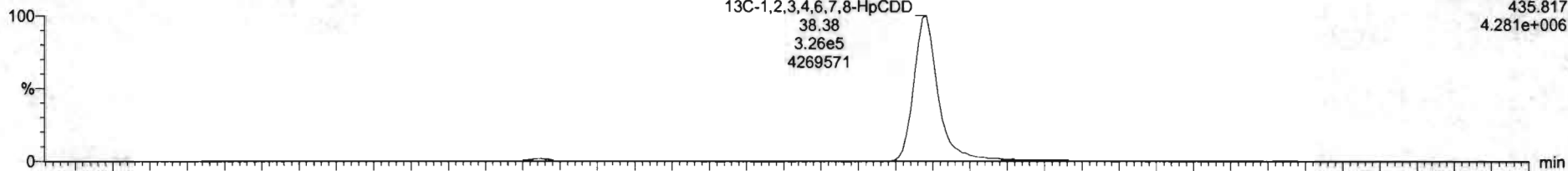
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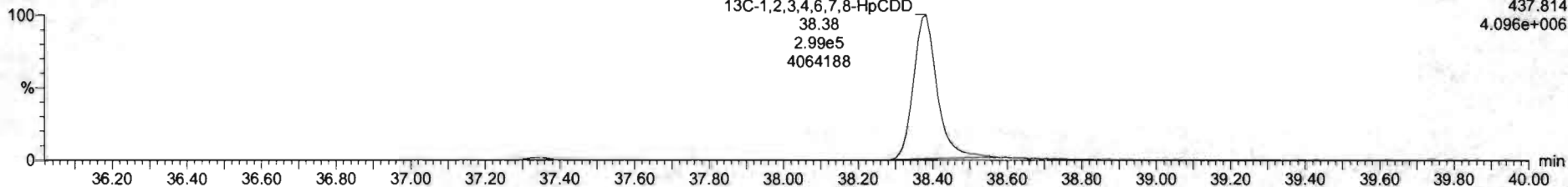
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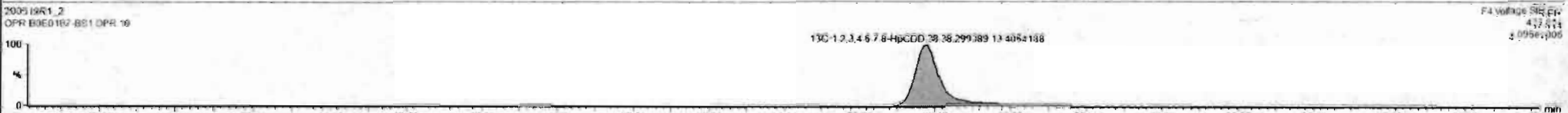
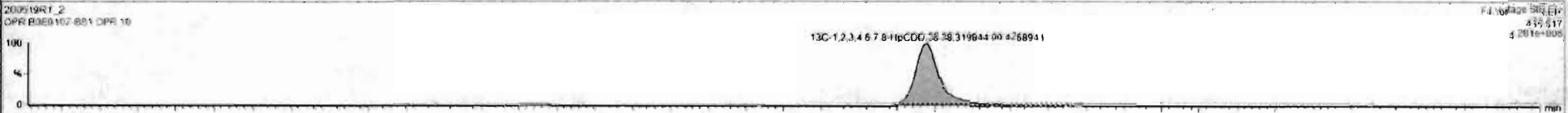
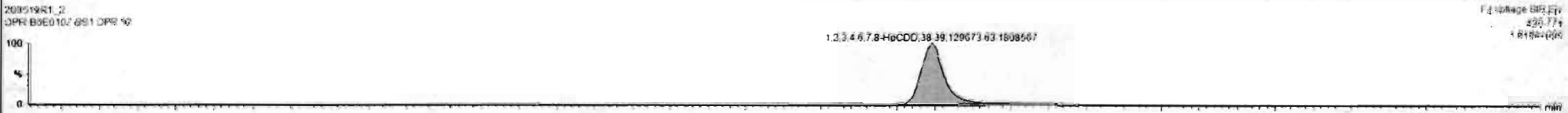
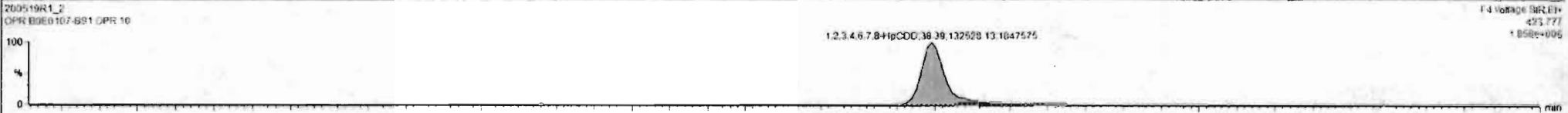
F4:Voltage SIR,EI+
435.817
4.281e+006

200519R1_2



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

#	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	ENPC
1	2,3,7,8-TCDD	1.01e5	0.76	NO	0.9475	10.000	26.05	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.83	NO	0.9425	10.000	31.14	1.000	55.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.0641	10.000	34.52	1.001	94.9		0.201	94.9
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.205	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.95	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.62e5	1.02	NO	0.8979	10.000	36.39	1.000	94.3		0.294	94.3
7	OCDD	4.77e5	0.88	NO	0.9325	10.000	41.36	1.000	189		0.331	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	18.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9102	10.000	29.93	1.001	91.3		0.157	91.3
10	2,3,4,7,8-HxCDF	6.62e5	1.54	NO	0.9654	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8782	10.000	33.65	1.001	102		0.254	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101		0.255	101
13	2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	99.6		0.274	99.6
14	1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8542	10.000	35.24	1.000	104		0.403	104
15	1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.06	1.001	101		0.337	101
16	1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0116	10.000	38.08	1.001	105		0.390	105
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



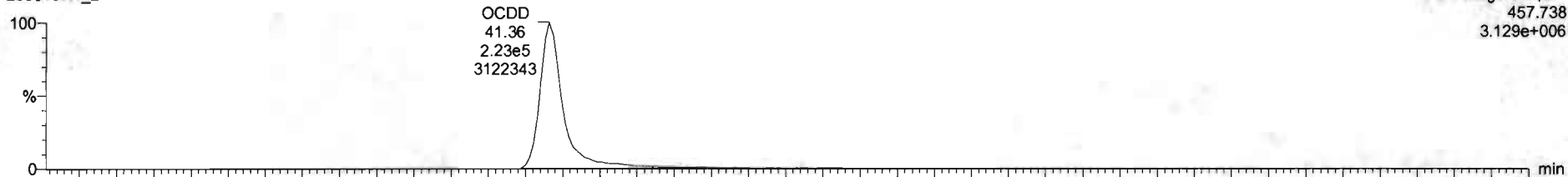
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Printed: Tuesday, May 19, 2020 13:27:43 Pacific Daylight Time

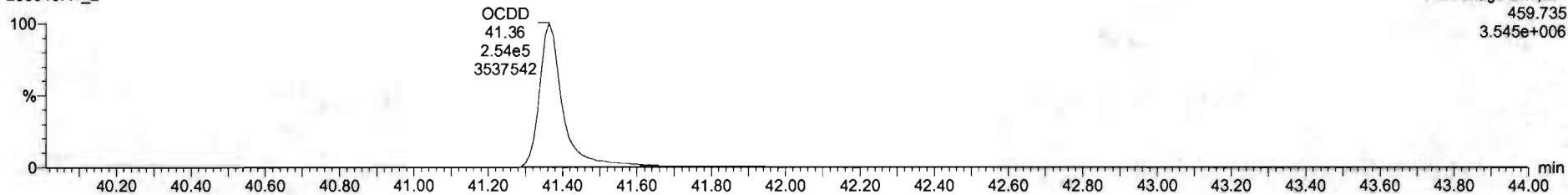
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OCDD

200519R1_2

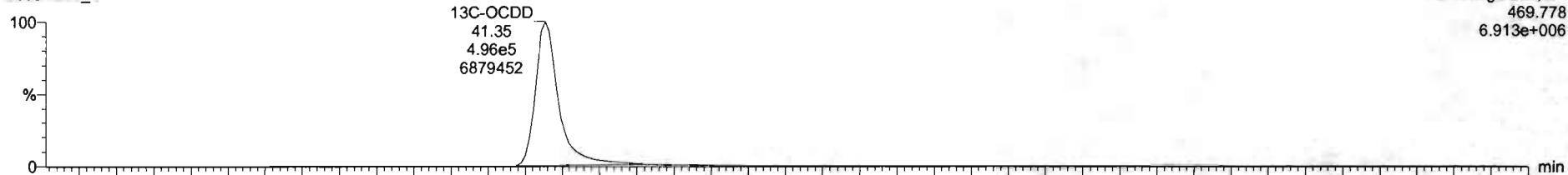


200519R1_2

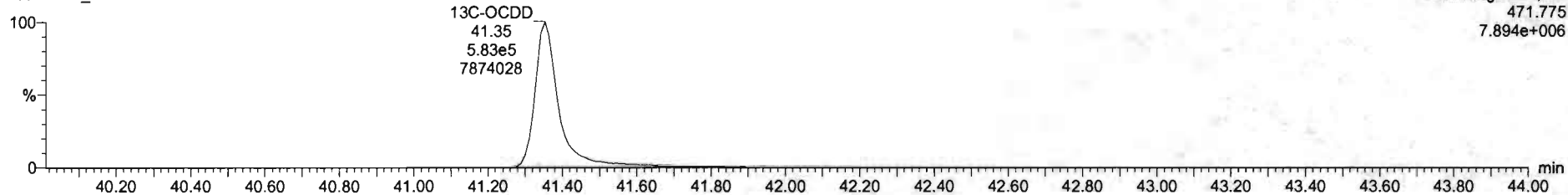


13C-OCDD

200519R1_2



200519R1_2



Dataset: Untitled

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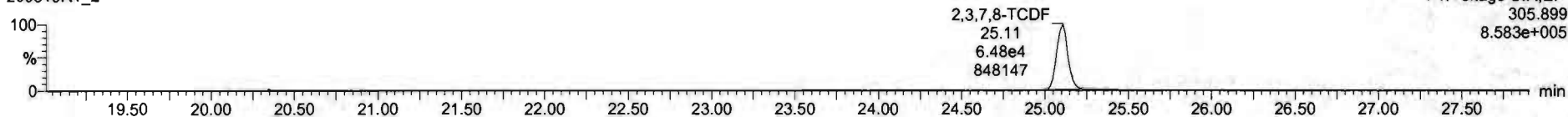
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2,3,7,8-TCDF

200519R1_2

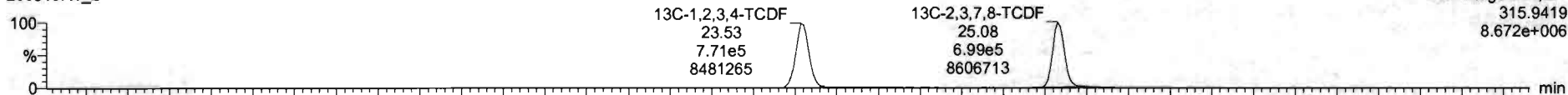


200519R1_2

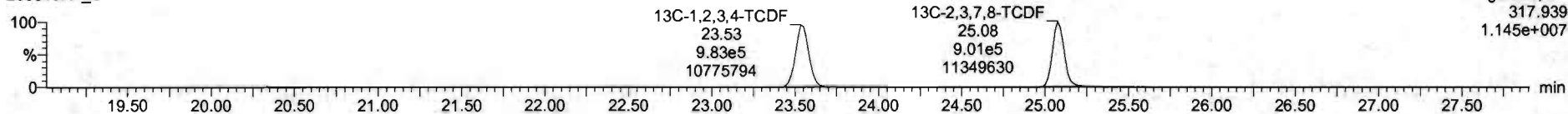


13C-2,3,7,8-TCDF

200519R1_2

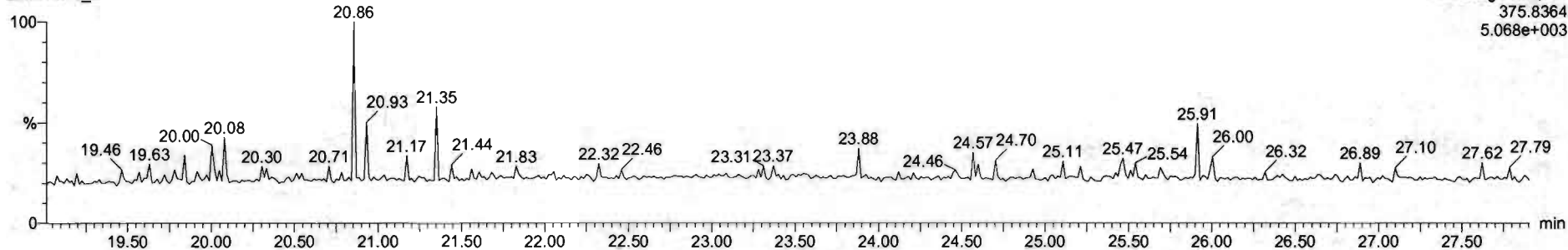


200519R1_2



DPE1

200519R1_2

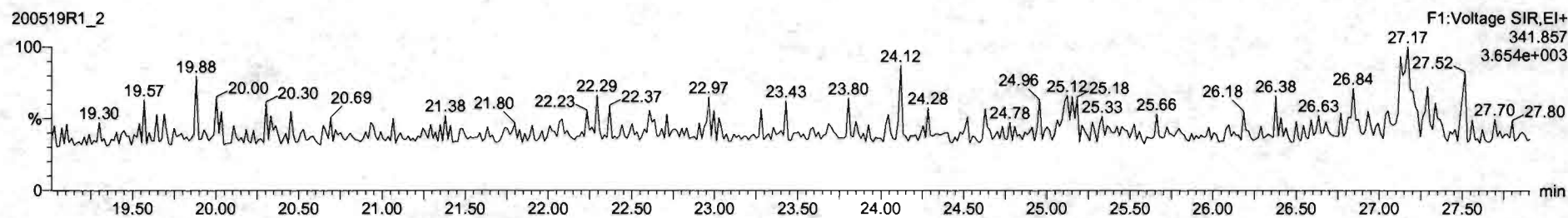
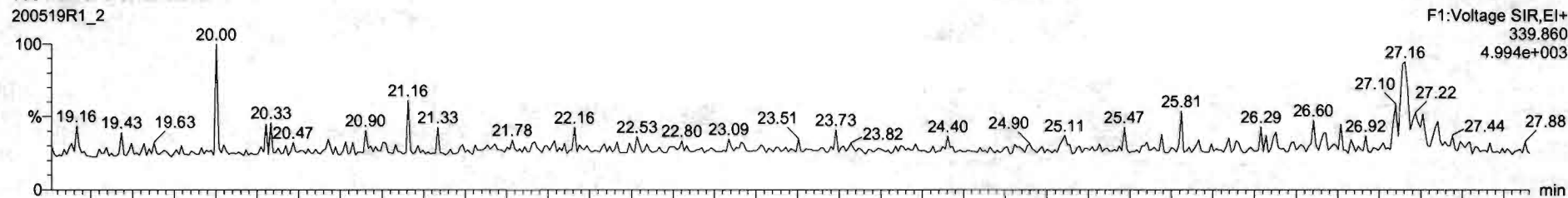


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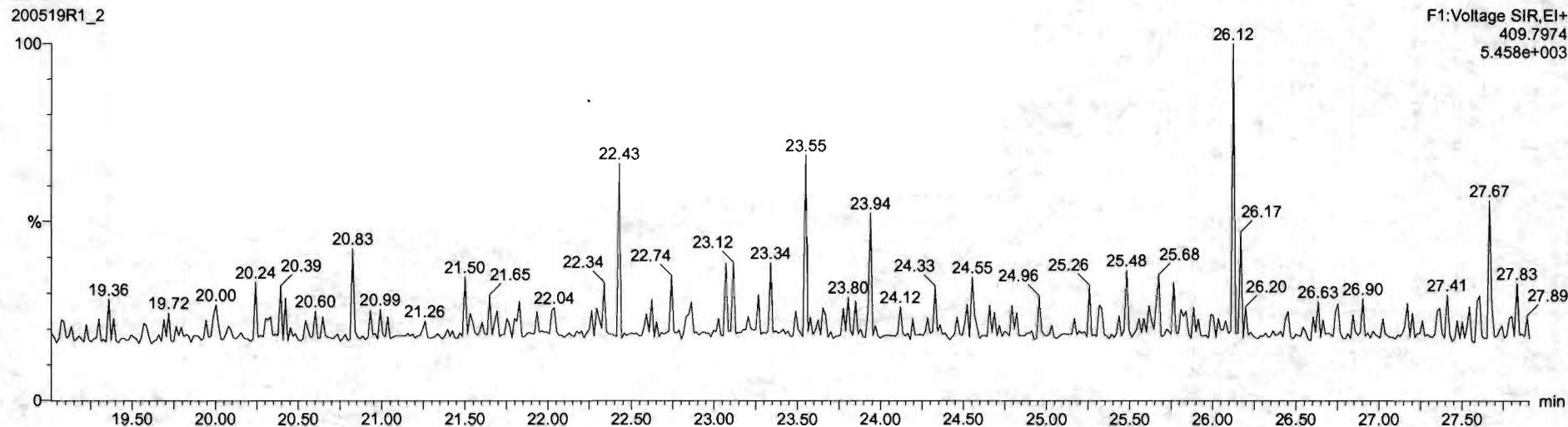
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Name: 200519R1_2, Date: 19-May-2020, Time: 09:26:30, ID: B0E0107-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans



DPE6



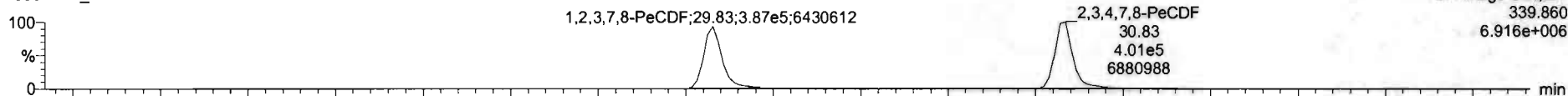
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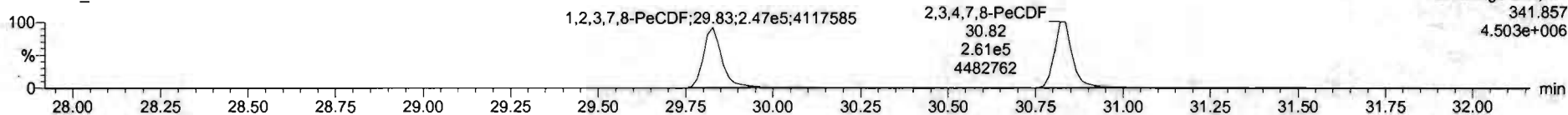
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1,2,3,7,8-PeCDF

200519R1_2

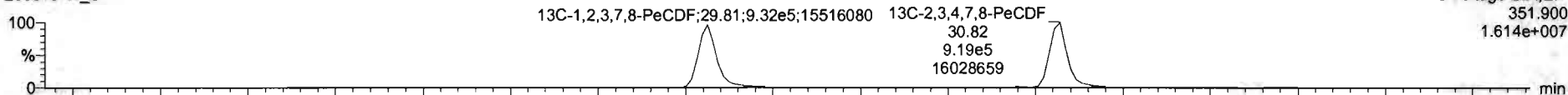


200519R1_2

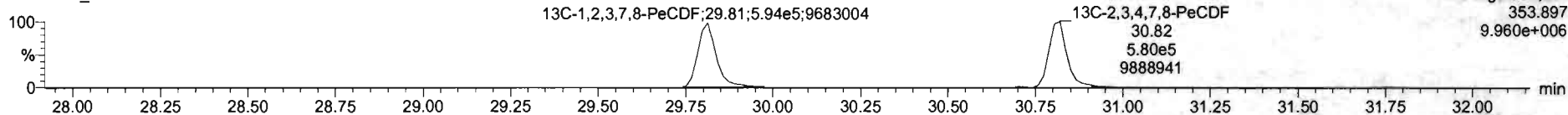


13C-1,2,3,7,8-PeCDF

200519R1_2

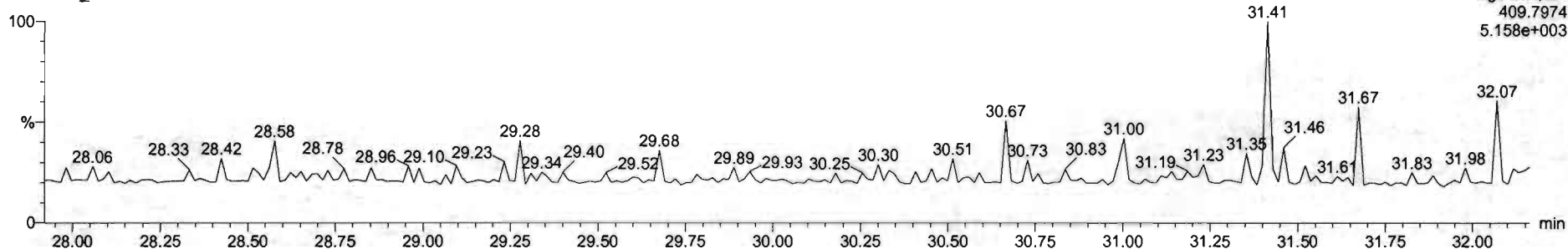


200519R1_2



DPE2

200519R1_2



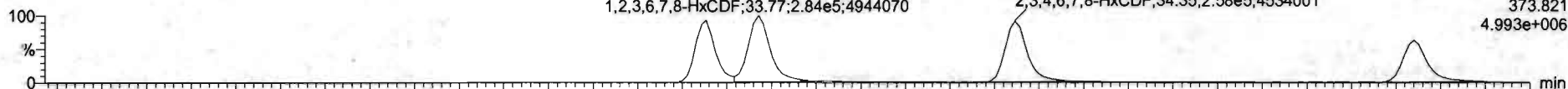
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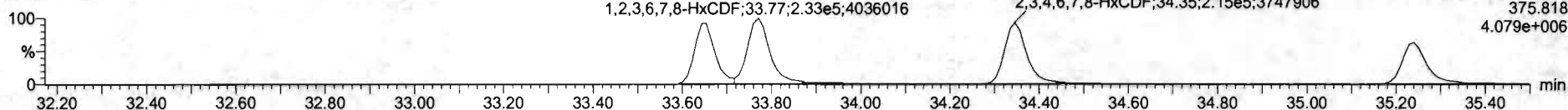
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1,2,3,4,7,8-HxCDF

200519R1_2

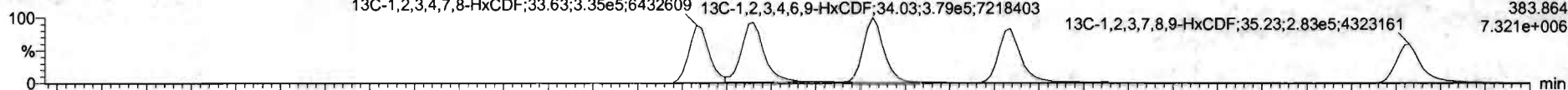


200519R1_2

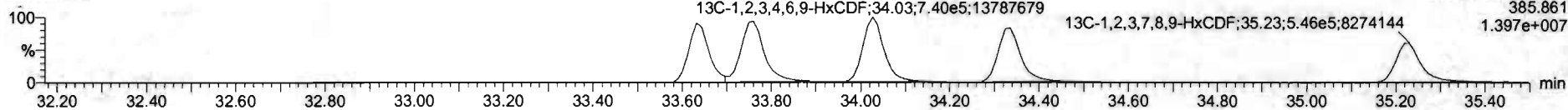


13C-1,2,3,4,7,8-HxCDF

200519R1_2

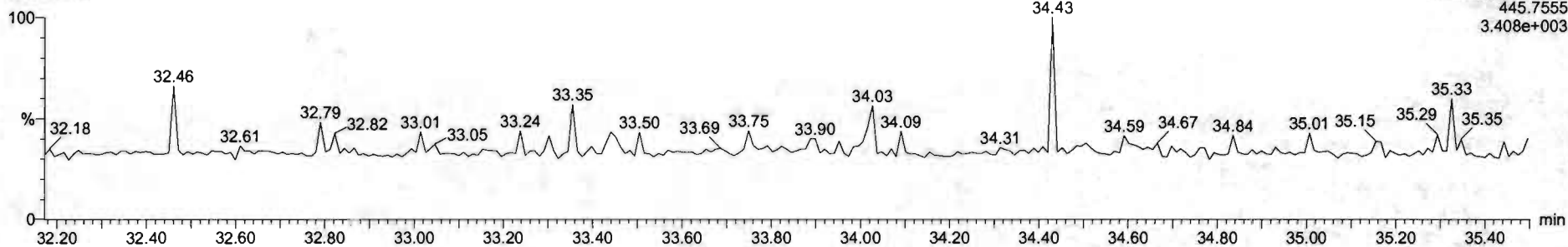


200519R1_2

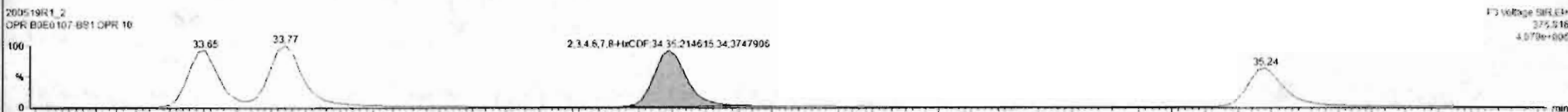
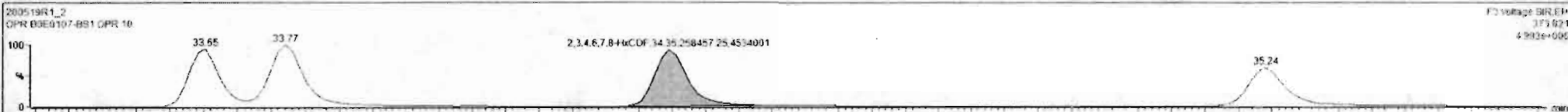


DPE3

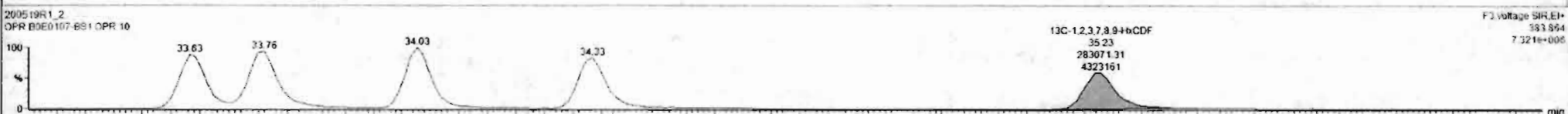
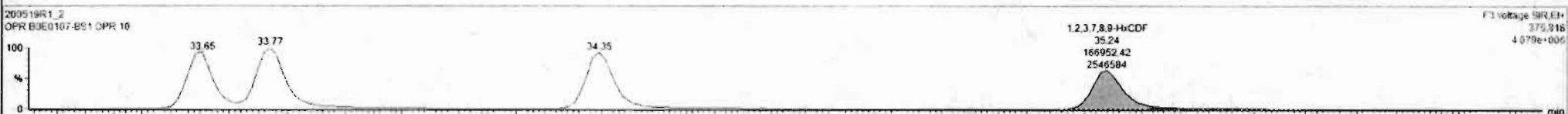
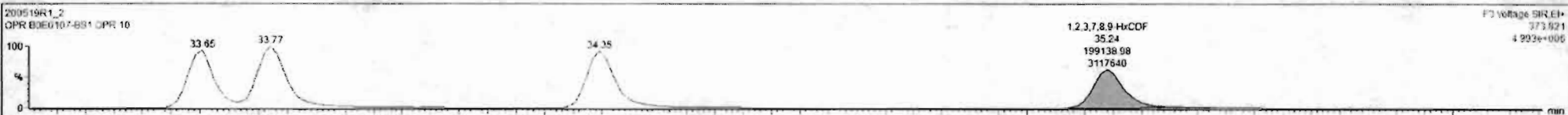
200519R1_2



#	Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.03e5	0.76	NO	0.9475	10.000	26.05	1.001	16.7		0.745	16.7
2	1,2,3,7,8-PeCDD	4.44e5	0.62	NO	0.9435	10.000	31.14	1.000	55.5		0.112	85.5
3	1,2,3,4,7,8-HxCDD	3.74e5	1.23	NO	1.0641	10.000	34.52	1.001	94.9		0.201	94.9
4	1,2,3,6,7,8-HxCDD	4.04e5	1.23	NO	0.9145	10.000	34.61	1.000	91.0		0.205	91.0
5	1,2,3,7,8,9-HxCDD	3.53e5	1.25	NO	0.9145	10.000	34.89	1.000	91.0		0.245	91.0
6	1,2,3,4,6,7,8-HpCDD	2.62e5	1.02	NO	0.8978	10.000	36.39	1.000	94.3		0.254	94.3
7	OCDD	4.77e5	0.88	NO	0.9335	10.000	41.36	1.000	189		0.331	189
8	2,3,7,8-TCDF	1.14e5	0.76	NO	0.7871	10.000	25.11	1.001	18.1		0.125	16.1
9	1,2,3,7,8-PeCDF	6.34e5	1.57	NO	0.9107	10.000	29.83	1.001	91.3		0.157	91.3
10	2,3,4,7,8-PeCDF	6.62e5	1.54	NO	0.9684	10.000	30.83	1.001	91.4		0.144	91.4
11	1,2,3,4,7,8-HxCDF	4.41e5	1.21	NO	0.8762	10.000	33.65	1.001	102		0.264	102
12	1,2,3,6,7,8-HxCDF	5.17e5	1.22	NO	0.8740	10.000	33.77	1.000	101		0.255	101
13	2,3,4,6,7,8-HxCDF	4.73e5	1.20	NO	0.9217	10.000	34.35	1.000	101		0.270	101
14	1,2,3,7,8,9-HxCDF	3.71e5	1.16	NO	0.8542	10.000	35.24	1.000	104		0.403	104
15	1,2,3,4,6,7,8-HpCDF	3.16e5	1.00	NO	0.8712	10.000	36.98	1.001	101		0.337	101
16	1,2,3,4,7,8,9-HpCDF	2.65e5	1.00	NO	1.0116	10.000	38.98	1.001	105		0.392	105
17	OCDF	4.94e5	0.88	NO	0.8021	10.000	41.56	1.001	192		0.381	192



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



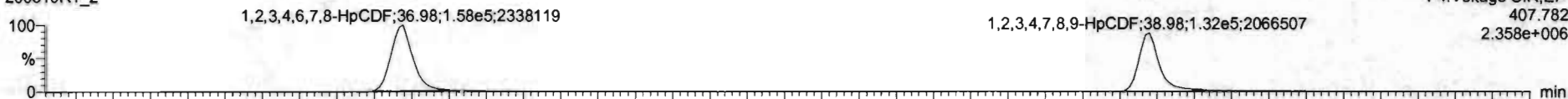
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Printed: Tuesday, May 19, 2020 13:27:43 Pacific Daylight Time

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

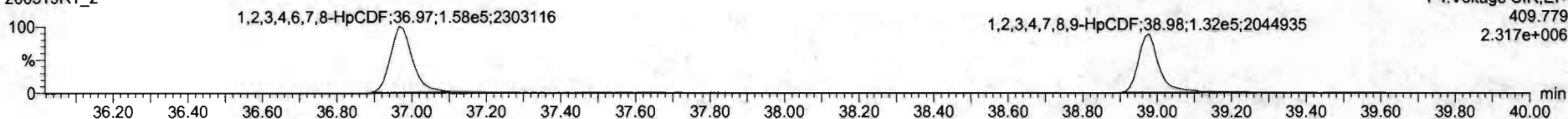
1,2,3,4,6,7,8-HpCDF

200519R1_2



F4: Voltage SIR, EI+
407.782
2.358e+006

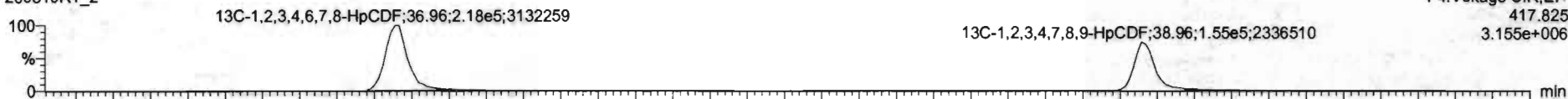
200519R1_2



F4: Voltage SIR, EI+
409.779
2.317e+006

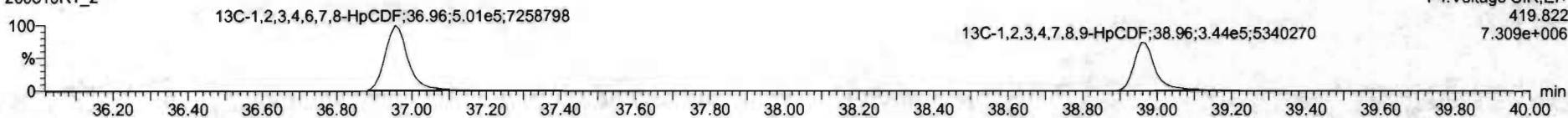
13C-1,2,3,4,6,7,8-HpCDF

200519R1_2



F4: Voltage SIR, EI+
417.825
3.155e+006

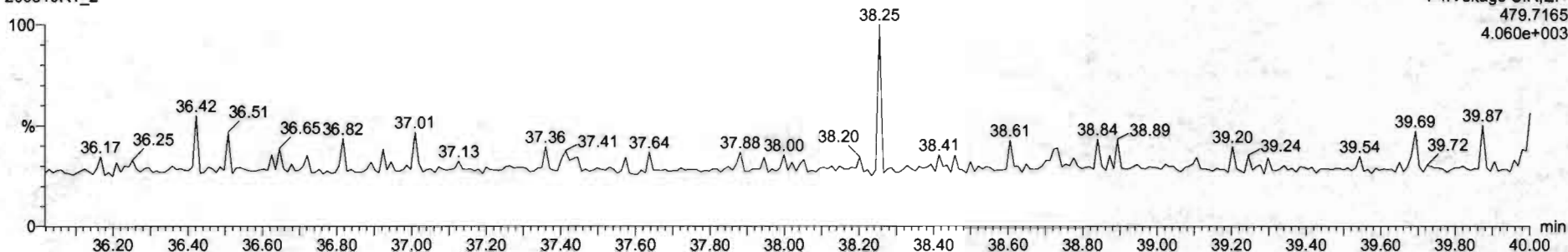
200519R1_2



F4: Voltage SIR, EI+
419.822
7.309e+006

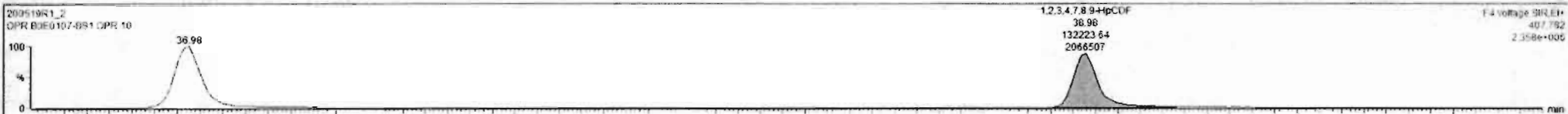
DPE4

200519R1_2



F4: Voltage SIR, EI+
479.7165
4.060e+003

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



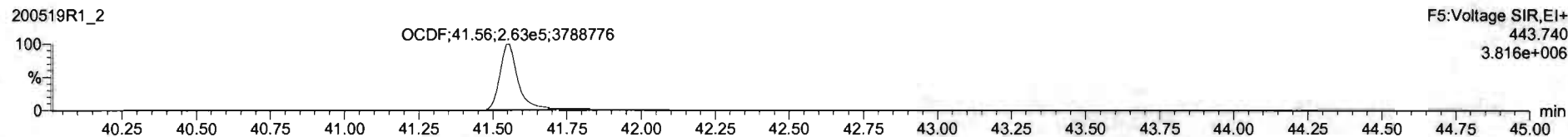
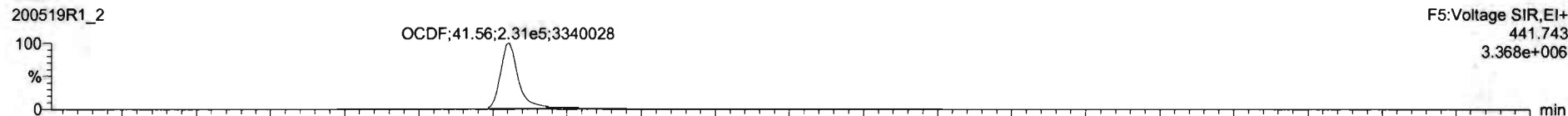
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Last Altered: Tuesday, May 19, 2020 13:25:18 Pacific Daylight Time

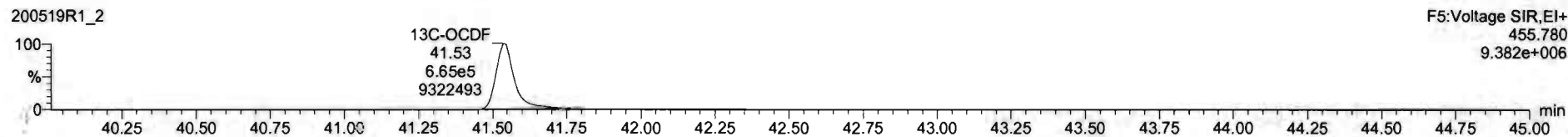
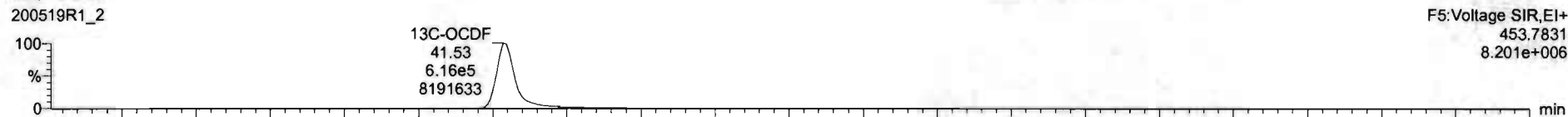
Printed: Tuesday, May 19, 2020 13:27:43 Pacific Daylight Time

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

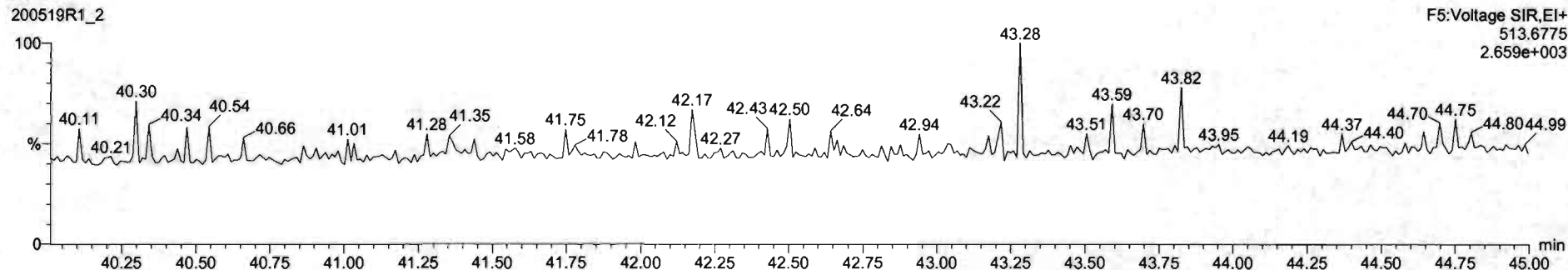
OCDF



13C-OCDF



DPE5

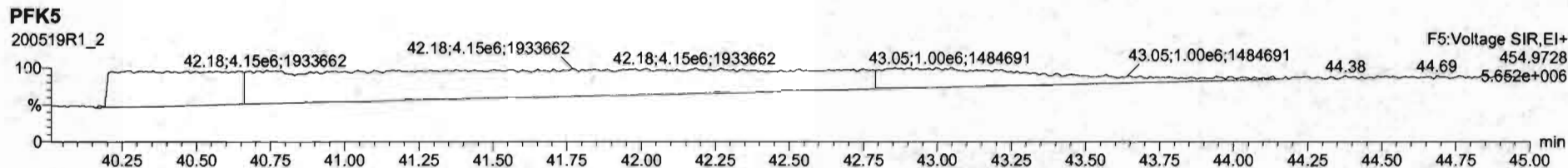
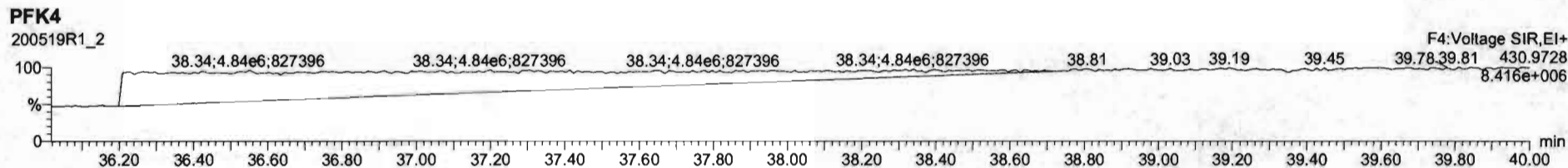
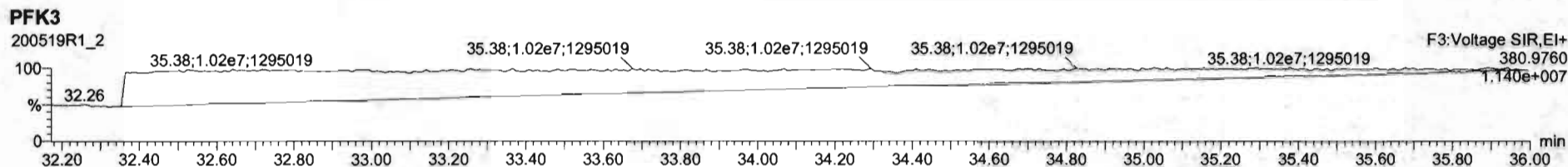
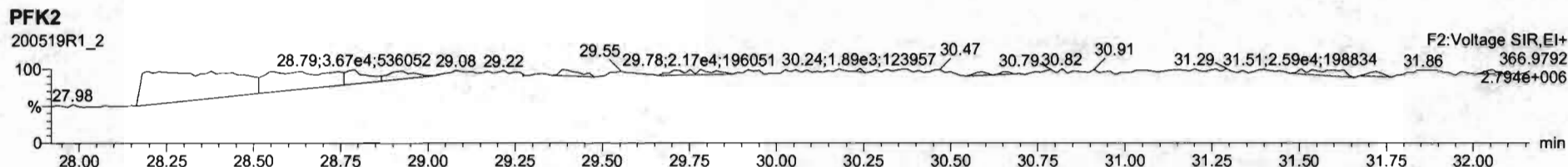
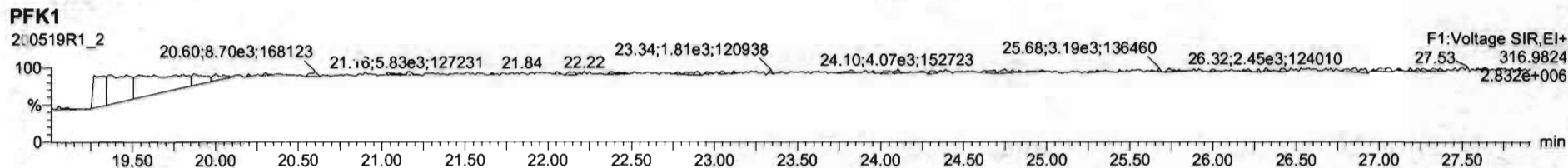


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Last Altered: Tuesday, May 19, 2020 13:25:18 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 13:27:43 Pacific Daylight Time

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



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 11:52:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:53:54 Pacific Daylight Time

DB 6/24/20 C7 06/25/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.986	10.000	26.081		1.001				0.519	0.479
2	2 1,2,3,7,8-PeCDD			NO	0.964	10.000	30.629		1.001				0.418	
3	3 1,2,3,4,7,8-HxCDD			NO	1.16	10.000	33.916		1.000				0.605	
4	4 1,2,3,6,7,8-HxCDD			NO	1.01	10.000	34.016		1.000				0.665	
5	5 1,2,3,7,8,9-HxCDD			NO	1.01	10.000	34.346		1.001				0.716	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.997	10.000	37.801		1.000				1.26	
7	7 OCDD			NO	1.01	10.000	41.038		1.000				1.09	
8	8 2,3,7,8-TCDF			NO	0.833	10.000	25.280		1.001				0.393	
9	9 1,2,3,7,8-PeCDF			NO	0.965	10.000	29.442		1.001				0.201	
10	10 2,3,4,7,8-PeCDF			NO	1.01	10.000	30.357		1.001				0.195	
11	11 1,2,3,4,7,8-HxCDF			NO	1.09	10.000	33.017		1.000				0.232	
12	12 1,2,3,6,7,8-HxCDF			NO	1.07	10.000	33.159		1.000				0.238	
13	13 2,3,4,6,7,8-HxCDF			NO	1.15	10.000	33.776		1.001				0.261	
14	14 1,2,3,7,8,9-HxCDF			NO	1.11	10.000	34.674		1.000				0.390	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.16	10.000	36.555		1.001				0.321	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.35	10.000	38.317		1.000				0.332	
17	17 OCDF			NO	0.949	10.000	41.247		1.000				0.741	
18	18 13C-2,3,7,8-TCDD	4.53e4	0.79	NO	1.26	10.000	26.131	26.05	1.026	1.023	133.18	66.6	2.53	
19	19 13C-1,2,3,7,8-PeCDD	3.80e4	0.64	NO	0.921	10.000	30.614	30.61	1.202	1.202	152.81	76.4	0.719	
20	20 13C-1,2,3,4,7,8-HxCDD	2.76e4	1.35	NO	0.707	10.000	33.902	33.91	1.014	1.014	142.62	71.3	2.31	
21	21 13C-1,2,3,6,7,8-HxCDD	3.48e4	1.32	NO	0.829	10.000	34.012	34.02	1.017	1.017	153.67	76.8	1.97	
22	22 13C-1,2,3,7,8,9-HxCDD	3.21e4	1.31	NO	0.808	10.000	34.283	34.31	1.025	1.026	145.47	72.7	2.02	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.38e4	1.03	NO	0.662	10.000	37.747	37.79	1.129	1.130	131.68	65.8	1.68	
24	24 13C-OCDD	3.80e4	0.88	NO	0.608	10.000	40.769	41.04	1.219	1.227	228.33	57.1	1.65	
25	25 13C-2,3,7,8-TCDF	6.44e4	0.81	NO	1.07	10.000	25.214	25.25	0.990	0.992	131.83	65.9	1.57	
26	26 13C-1,2,3,7,8-PeCDF	6.08e4	1.62	NO	0.826	10.000	29.435	29.42	1.156	1.155	160.80	80.4	1.31	
27	27 13C-2,3,4,7,8-PeCDF	5.72e4	1.75	NO	0.796	10.000	30.334	30.33	1.191	1.191	157.17	78.6	1.35	
28	28 13C-1,2,3,4,7,8-HxCDF	4.07e4	0.50	NO	1.08	10.000	33.033	33.02	0.988	0.988	138.56	69.3	1.40	
29	29 13C-1,2,3,6,7,8-HxCDF	4.53e4	0.51	NO	1.12	10.000	33.167	33.15	0.992	0.991	147.44	73.7	1.34	
30	30 13C-2,3,4,6,7,8-HxCDF	3.96e4	0.51	NO	1.02	10.000	33.738	33.74	1.009	1.009	141.44	70.7	1.47	
31	31 13C-1,2,3,7,8,9-HxCDF	3.21e4	0.49	NO	0.887	10.000	34.638	34.67	1.036	1.037	132.55	66.3	1.70	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 11:52:58 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 11:53:54 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.95e4	0.42	NO	0.811	10.000	36.343	36.52	1.087	1.092	133.16	66.6	1.63	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.11e4	0.42	NO	0.598	10.000	38.349	38.32	1.147	1.146	128.88	64.4	2.21	
34	34 13C-OCDF	4.68e4	0.88	NO	0.752	10.000	40.923	41.25	1.224	1.234	227.58	56.9	1.64	
35	35 37Cl-2,3,7,8-TCDD	1.87e4			1.24	10.000	26.129	26.07	1.026	1.023	55.790	69.7	0.264	
36	36 13C-1,2,3,4-TCDD	5.40e4	0.83	NO	1.00	10.000	25.480	25.47	1.000	1.000	200.00	100	3.18	
37	37 13C-1,2,3,4-TCDF	9.15e4	0.78	NO	1.00	10.000	24.020	24.02	1.000	1.000	200.00	100	1.67	
38	38 13C-1,2,3,4,6,9-HxCDF	5.47e4	0.49	NO	1.00	10.000	33.530	33.43	1.000	1.000	200.00	100	1.51	
39	39 Total Tetra-Dioxins				0.986	10.000	24.620		0.000				0.359	
40	40 Total Penta-Dioxins				0.964	10.000	29.960		0.000				0.195	
41	41 Total Hexa-Dioxins				1.01	10.000	33.635		0.000				0.289	
42	42 Total Hepta-Dioxins				0.997	10.000	37.640		0.000				0.445	
43	43 Total Tetra-Furans				0.833	10.000	23.610		0.000		0.00000		0.189	0.596
44	44 1st Func. Penta-Furans				0.965	10.000	27.090		0.000				0.0407	
45	45 Total Penta-Furans				0.965	10.000	29.275		0.000				0.0970	
46	46 Total Hexa-Furans				1.15	10.000	33.555		0.000				0.144	
47	47 Total Hepta-Furans				1.16	10.000	37.835		0.000				0.218	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 11:52:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:53:54 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-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	Total Tetra-Furans	25.48	2.011e3	1.458e3	1.128e2	9.042e1	1.25	YES	0.000e0	0.00000	0.59644	0.189

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\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 11:52:58 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 11:53:54 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-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\200623D2\200623D2_5.qld

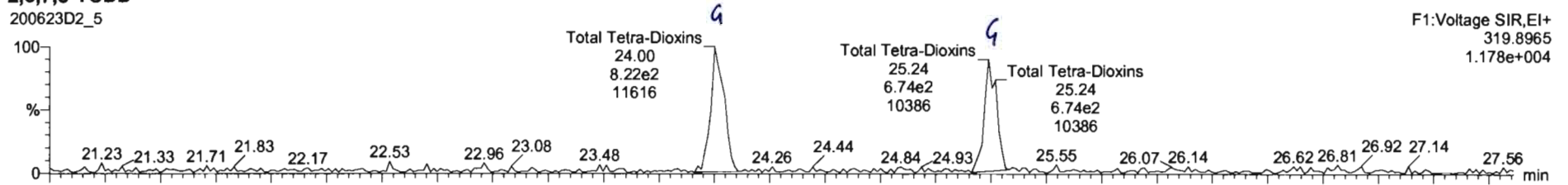
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Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
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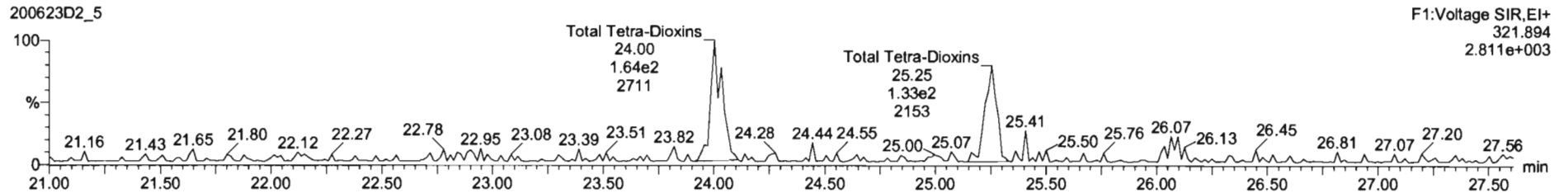
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2,3,7,8-TCDD

200623D2_5

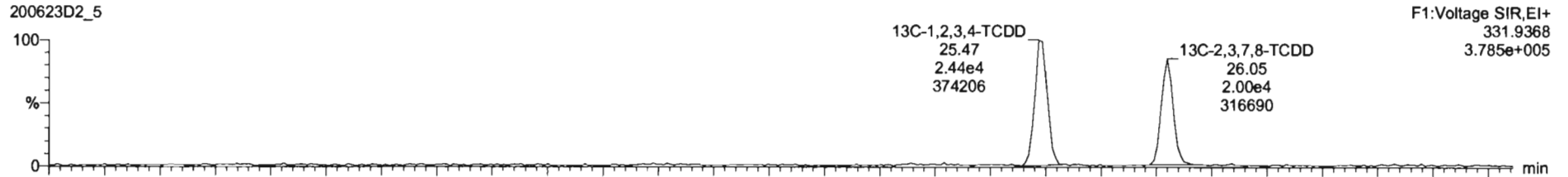


200623D2_5

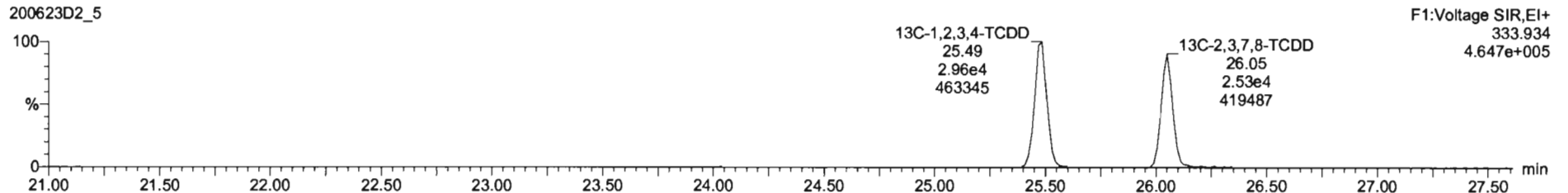


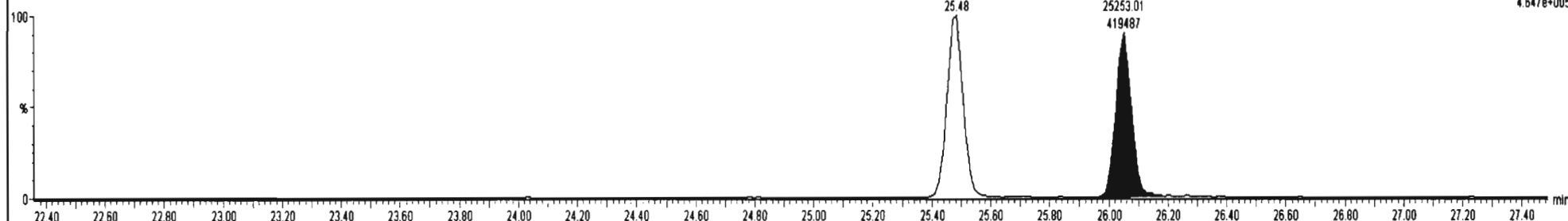
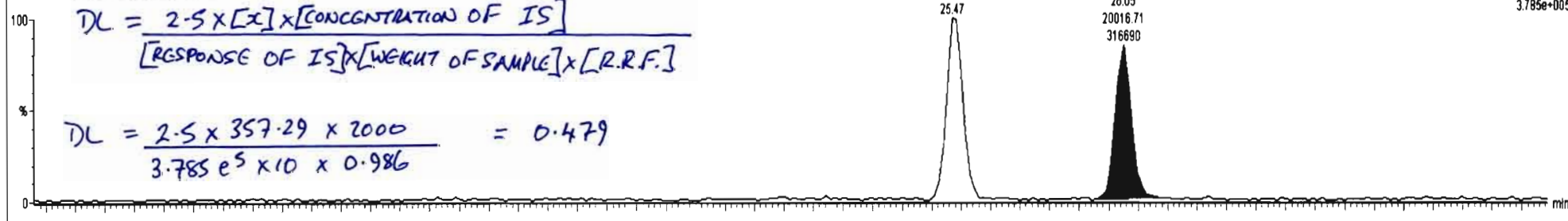
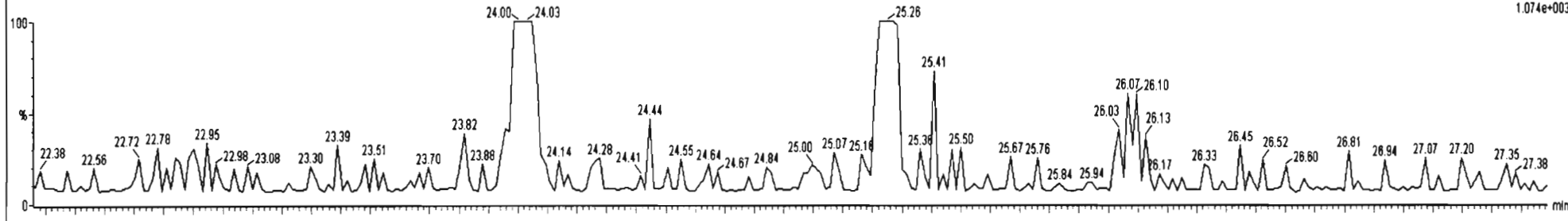
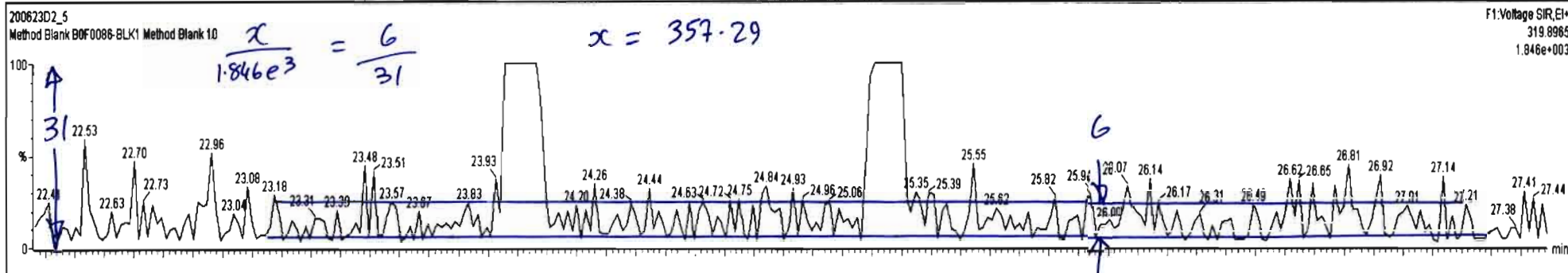
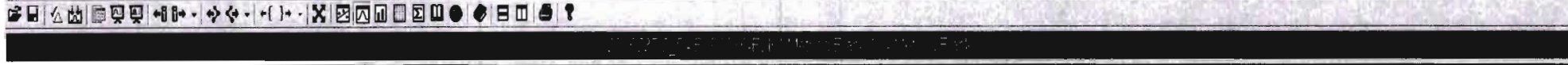
13C-2,3,7,8-TCDD

200623D2_5



200623D2_5





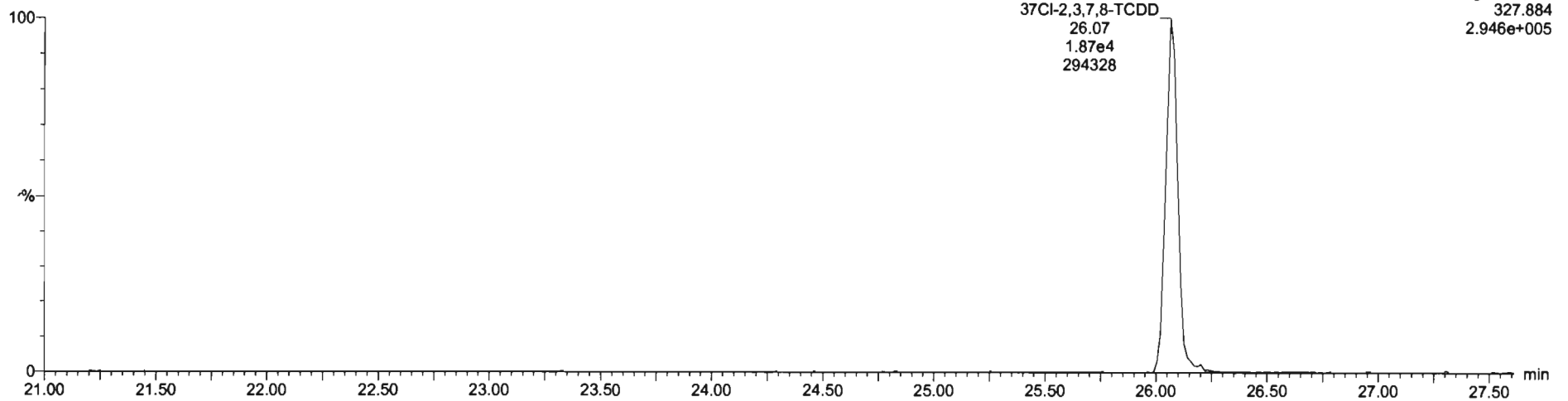
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Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

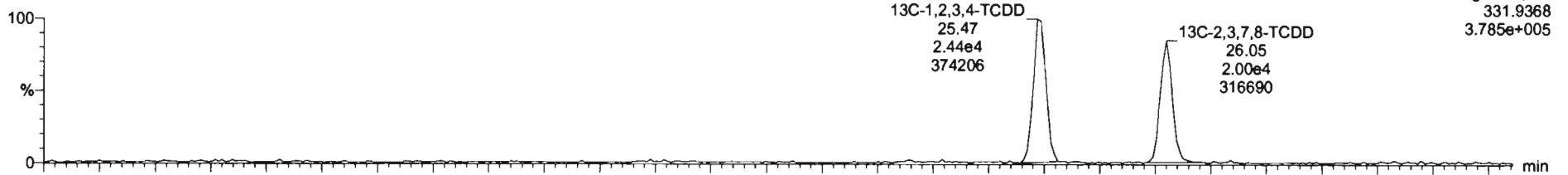
37Cl-2,3,7,8-TCDD

200623D2_5

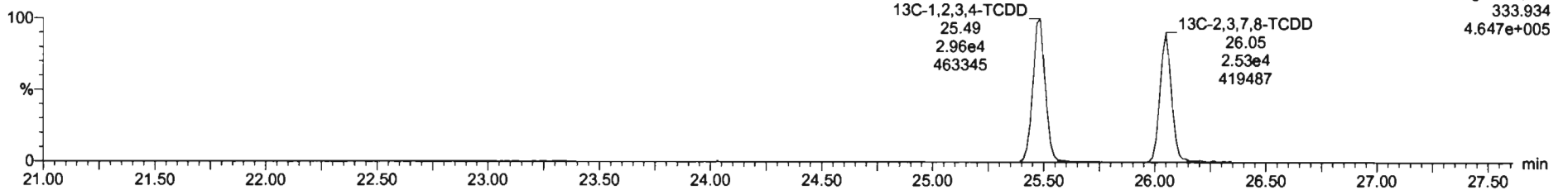


13C-1,2,3,4-TCDD

200623D2_5



200623D2_5



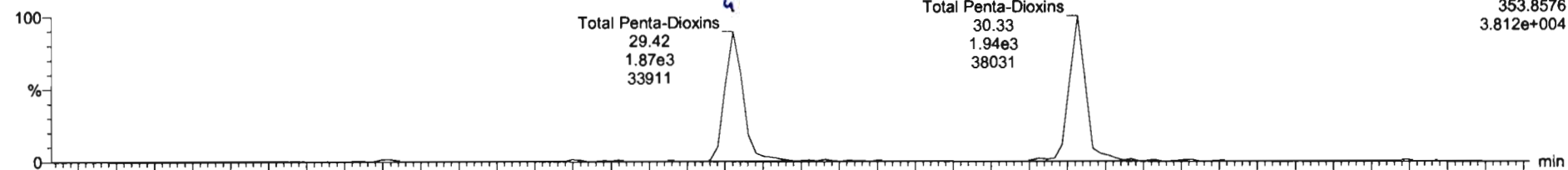
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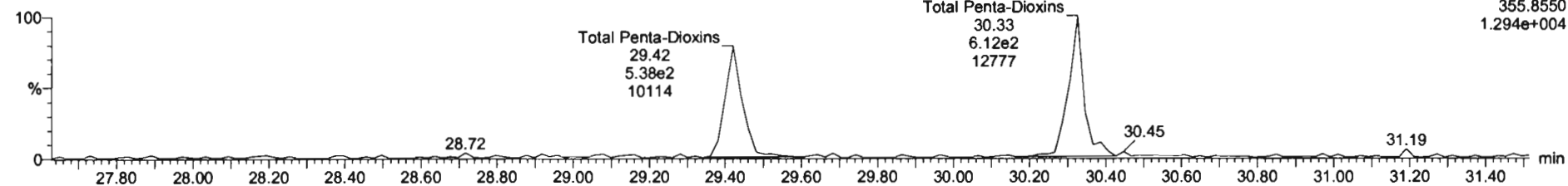
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDD

200623D2_5

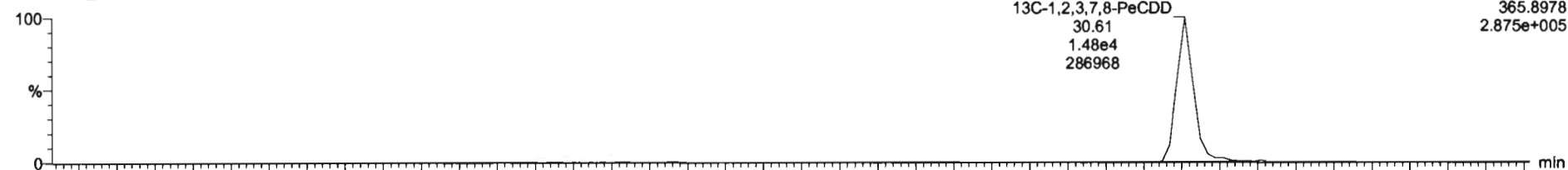


200623D2_5

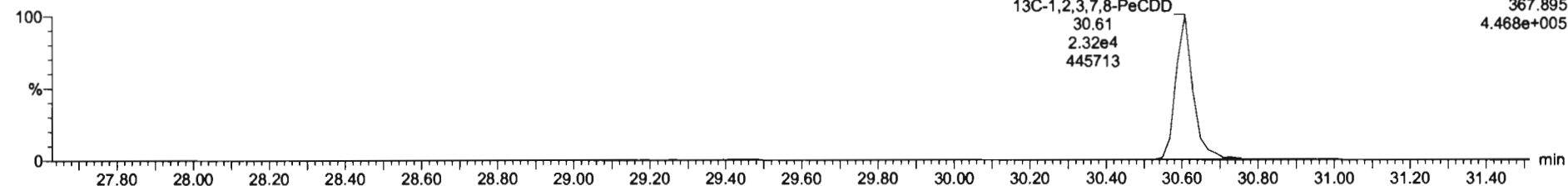


13C-1,2,3,7,8-PeCDD

200623D2_5



200623D2_5



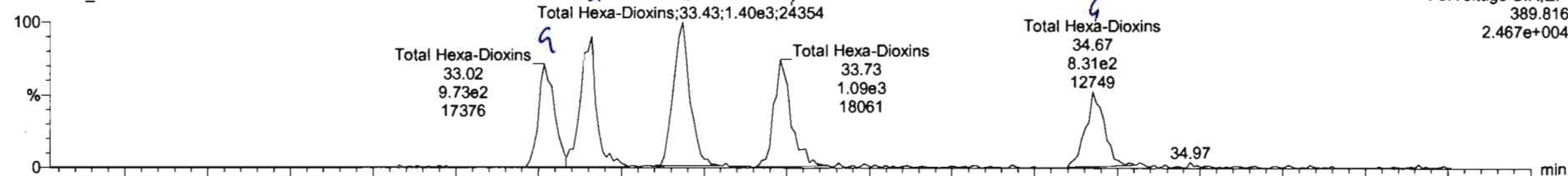
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Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

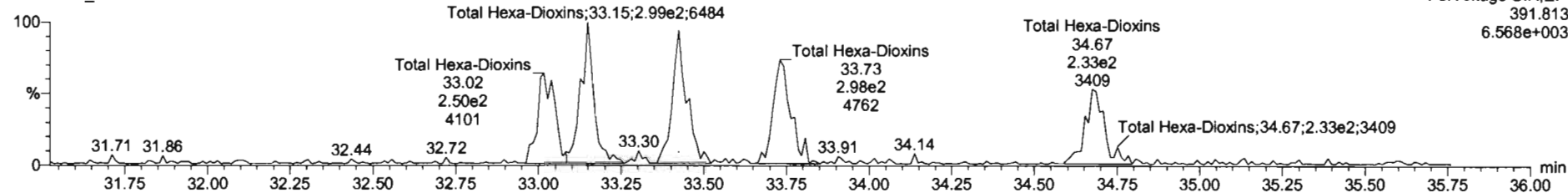
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

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

200623D2_5

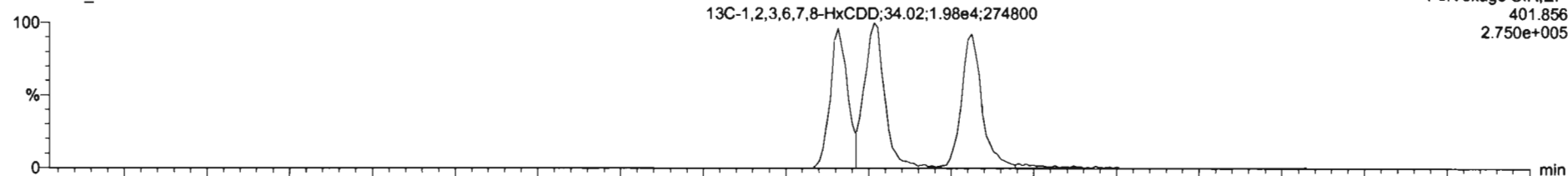


200623D2_5

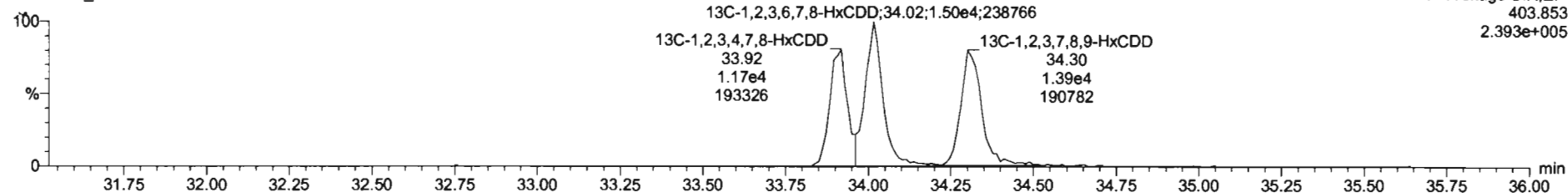


13C-1,2,3,4,7,8-HxCDD

200623D2_5



200623D2_5

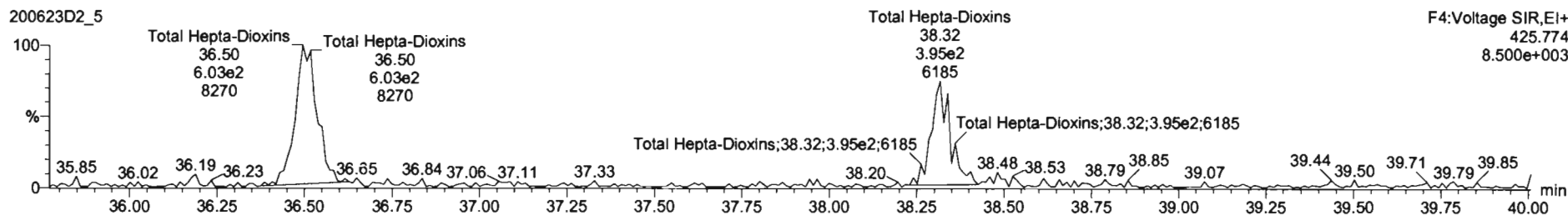
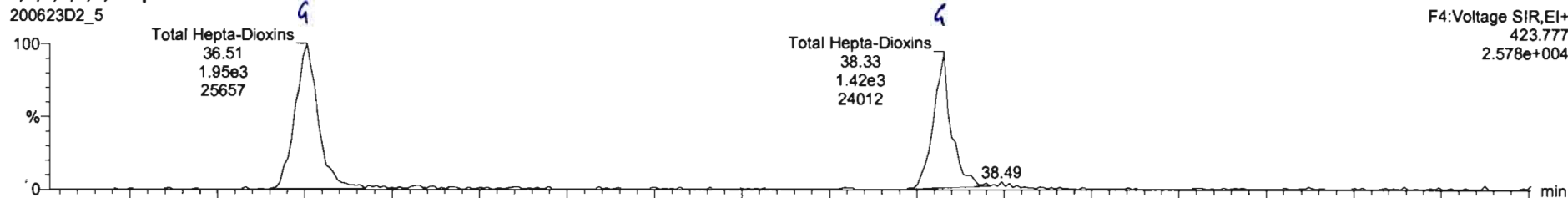


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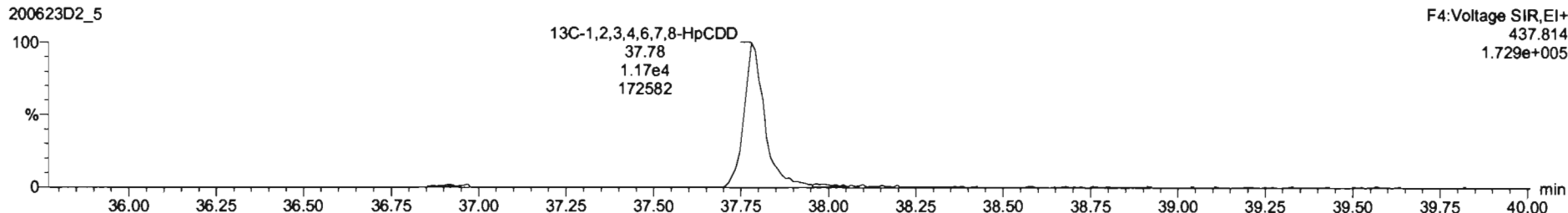
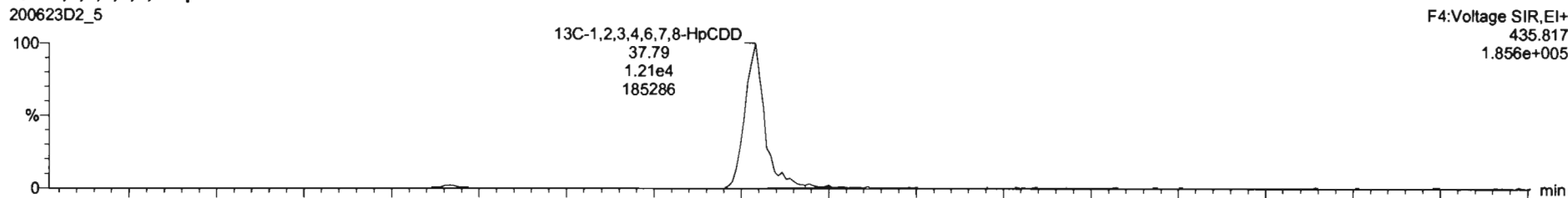
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Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

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



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



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

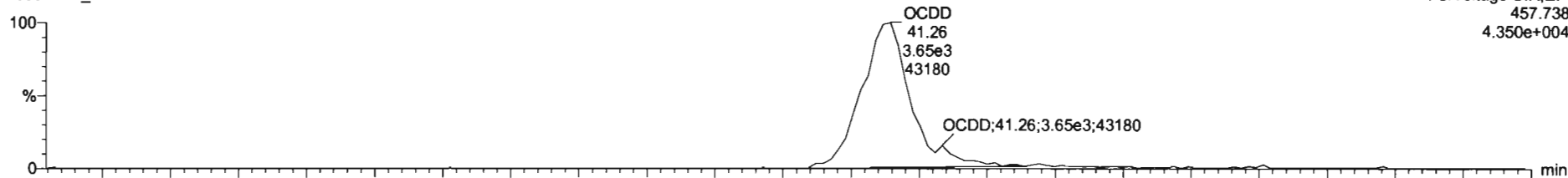
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Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

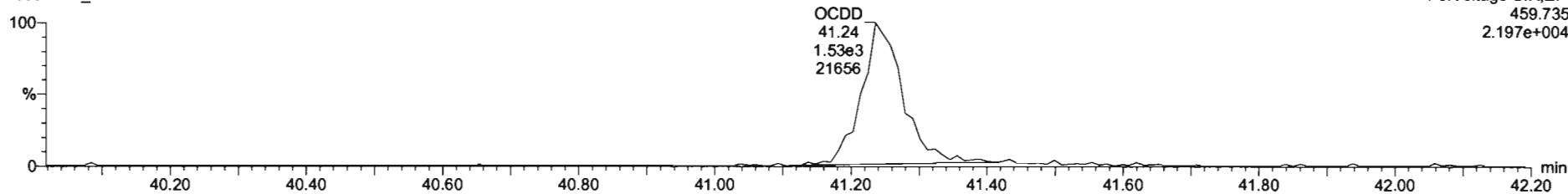
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OCDD

200623D2_5

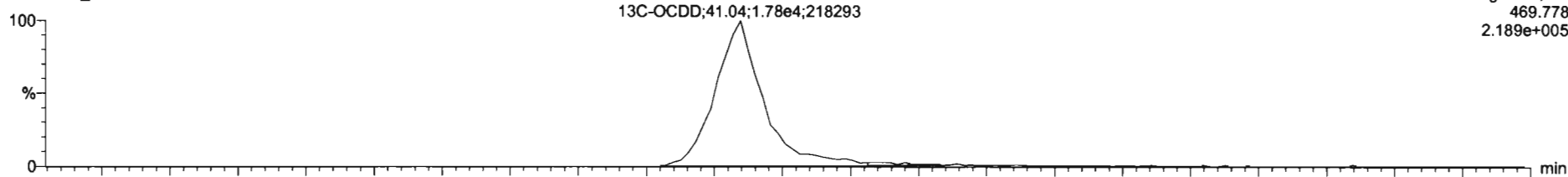


200623D2_5

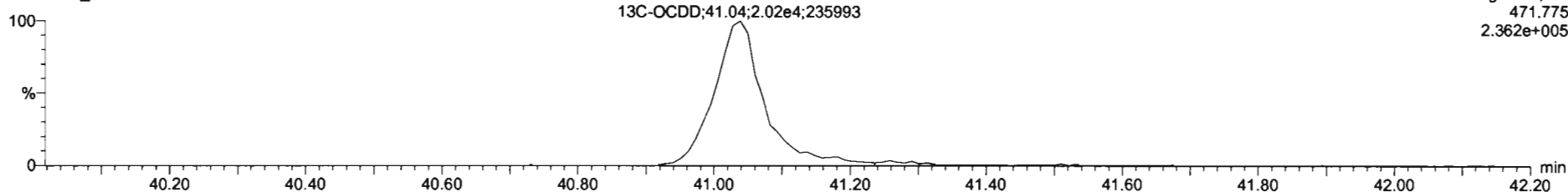


13C-OCDD

200623D2_5



200623D2_5



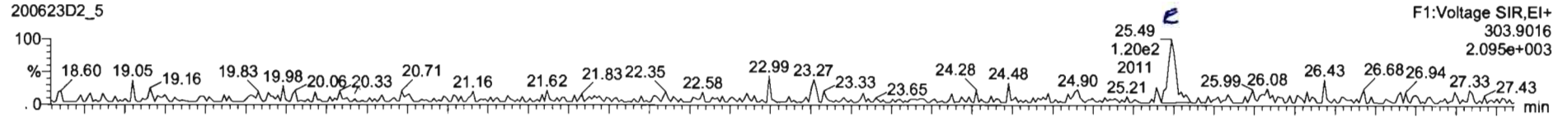
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

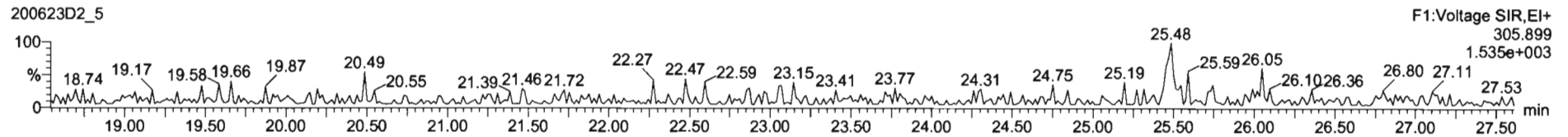
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2,3,7,8-TCDF

200623D2_5

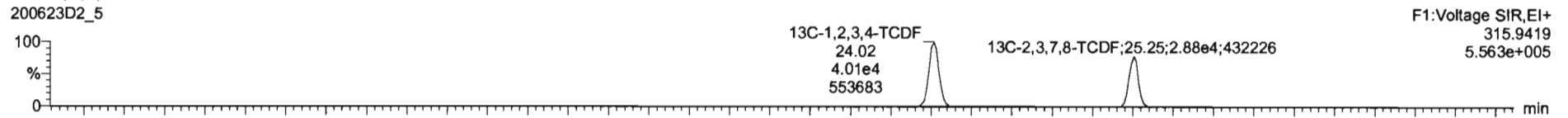


200623D2_5

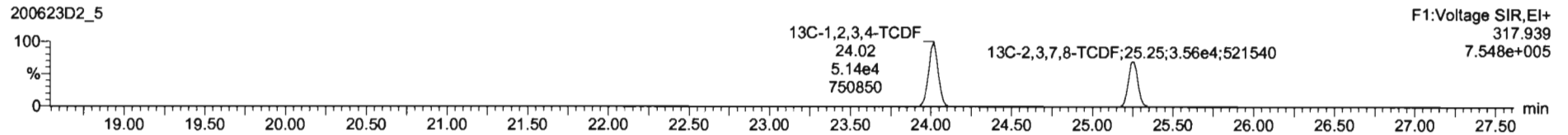


13C-2,3,7,8-TCDF

200623D2_5

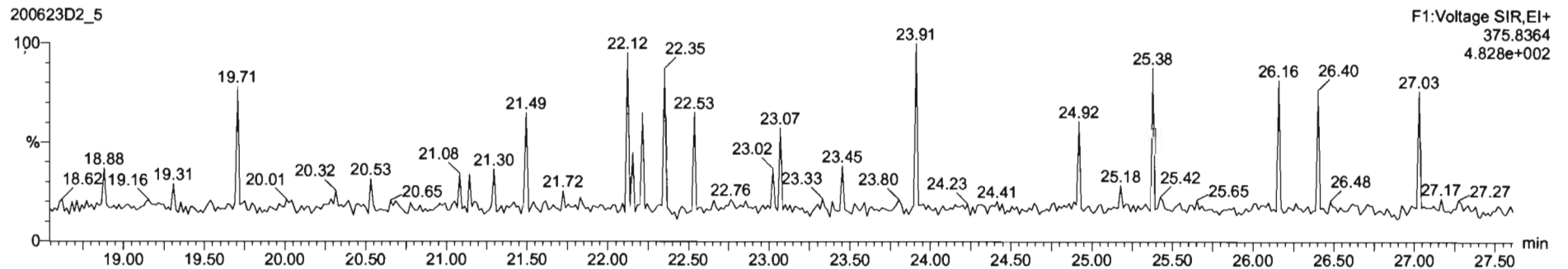


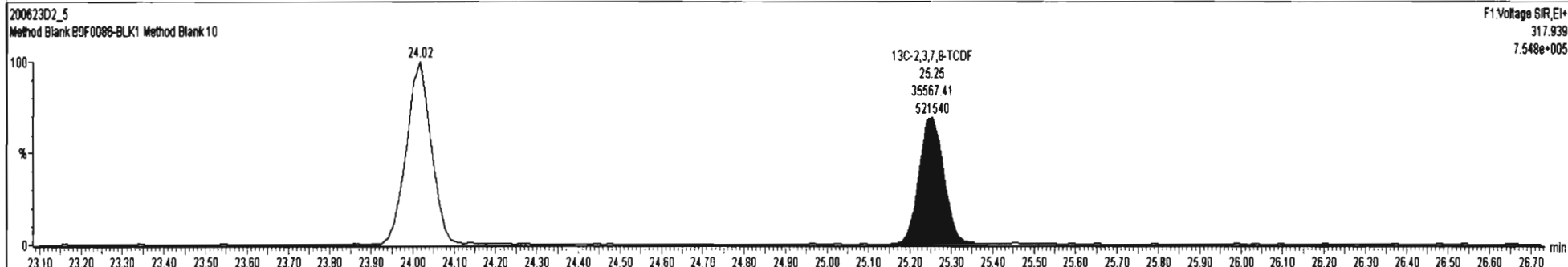
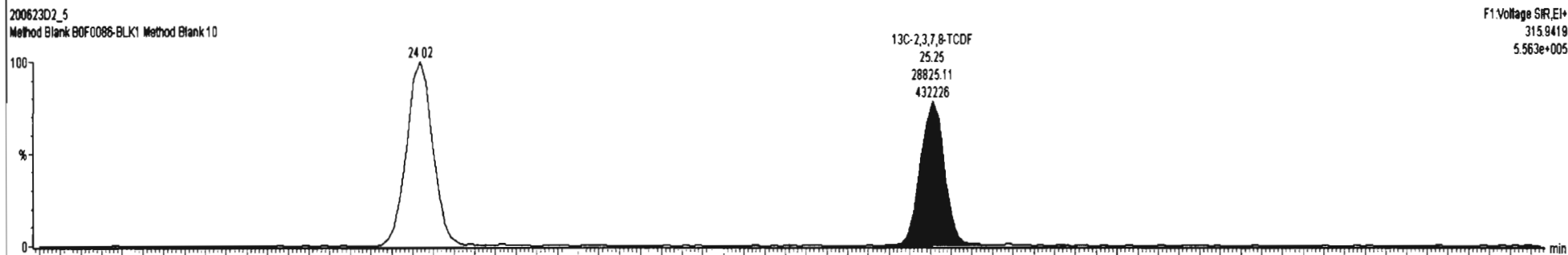
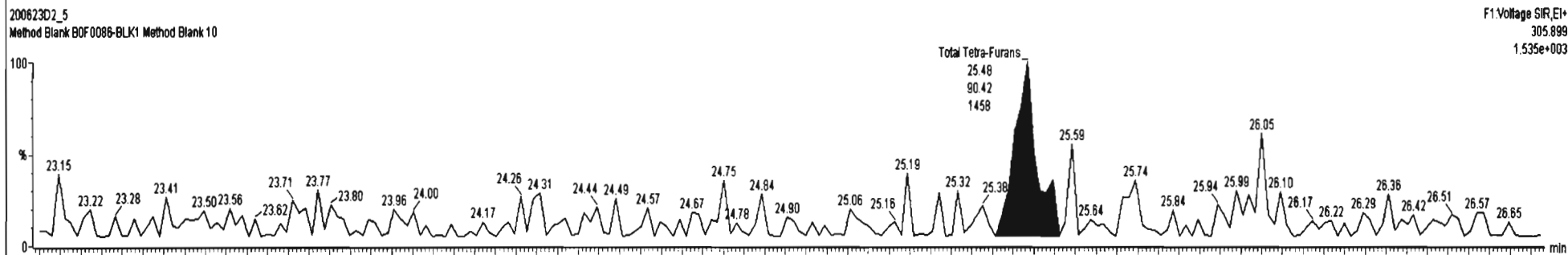
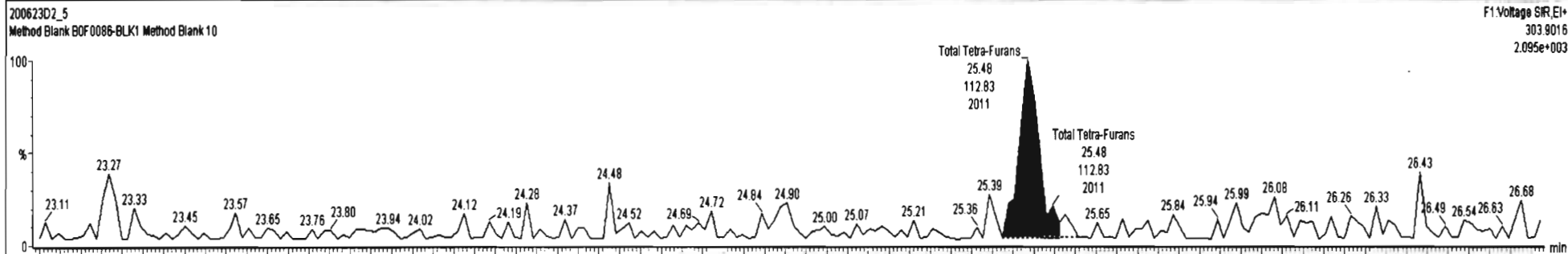
200623D2_5



DPE1

200623D2_5





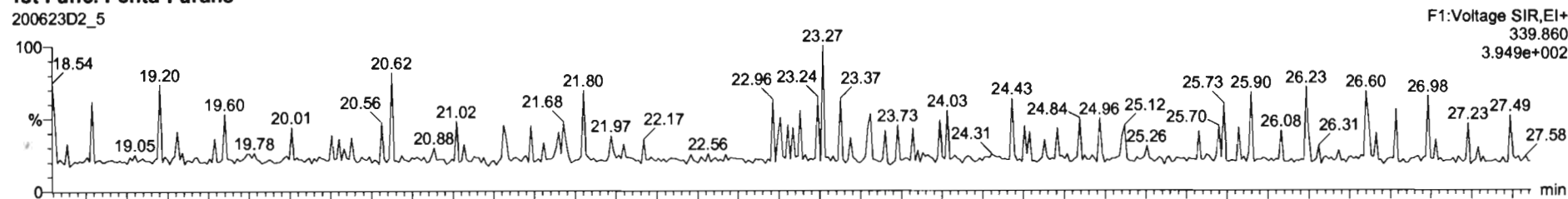
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

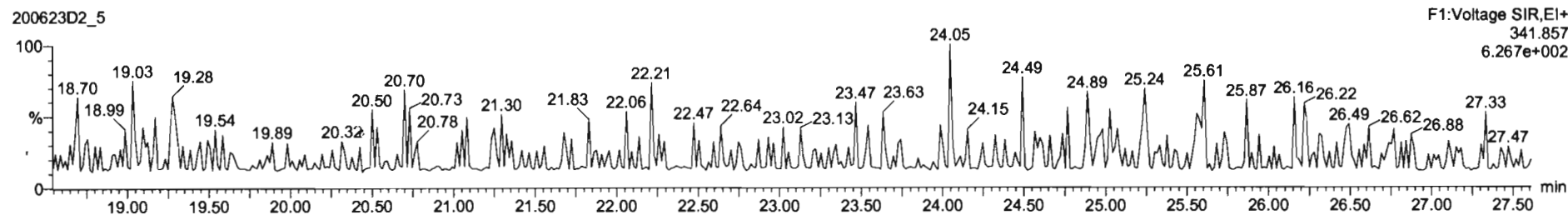
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

200623D2_5

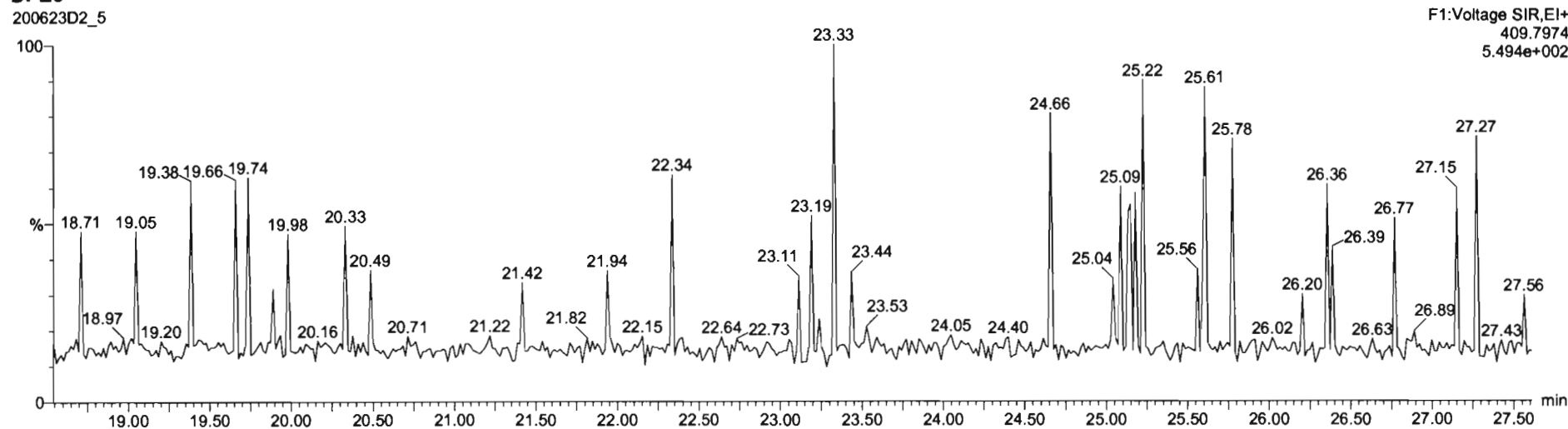


200623D2_5



DPE6

200623D2_5



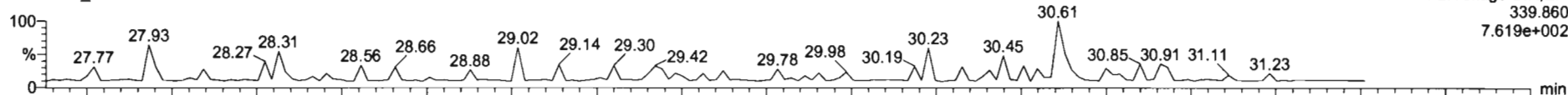
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Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

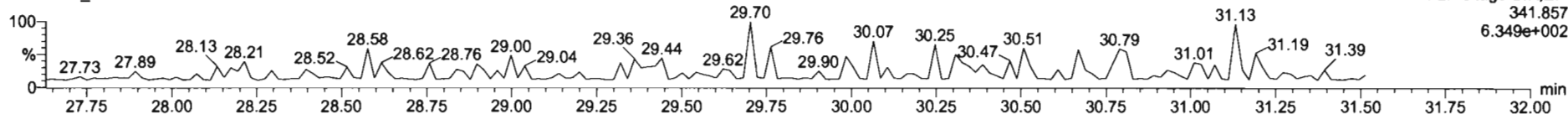
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDF

200623D2_5

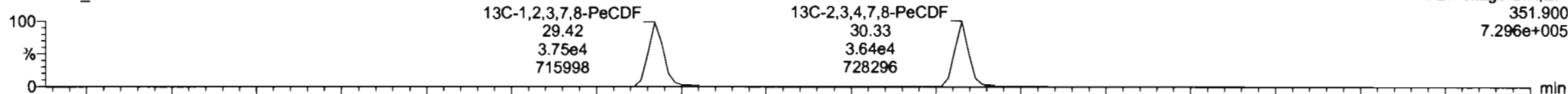


200623D2_5

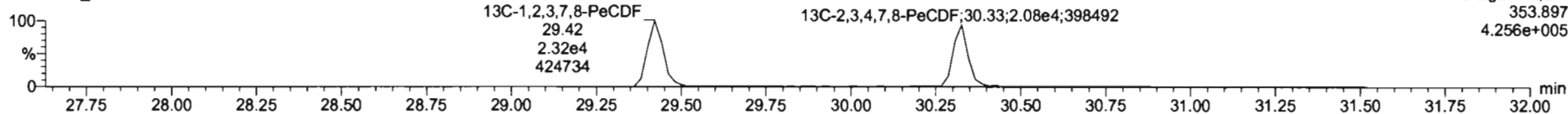


13C-1,2,3,7,8-PeCDF

200623D2_5

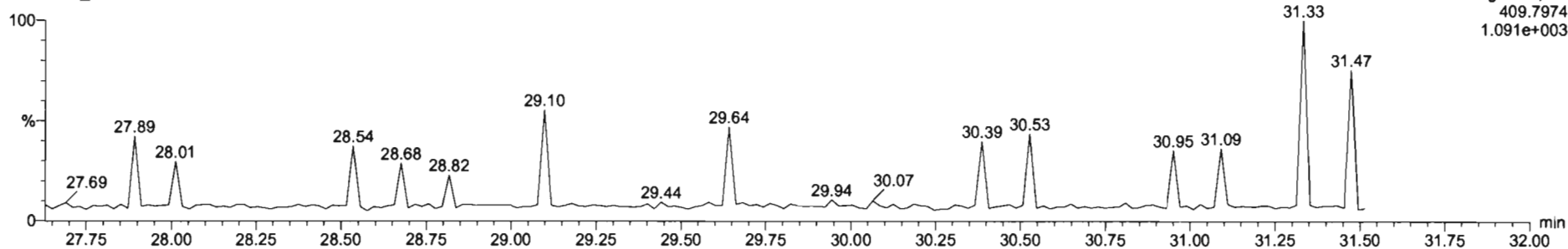


200623D2_5



DPE2

200623D2_5

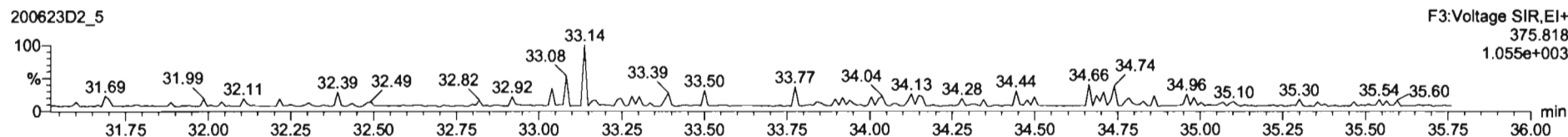
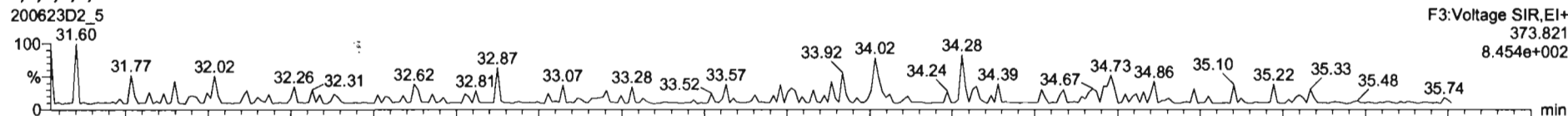


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

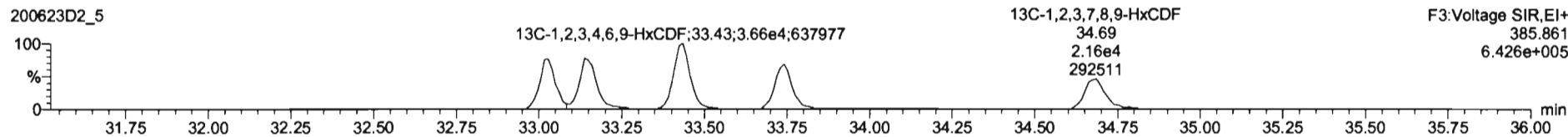
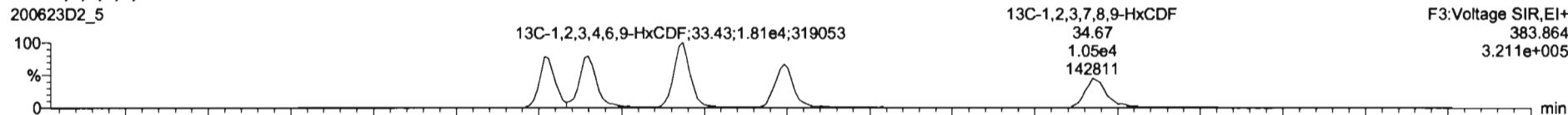
Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

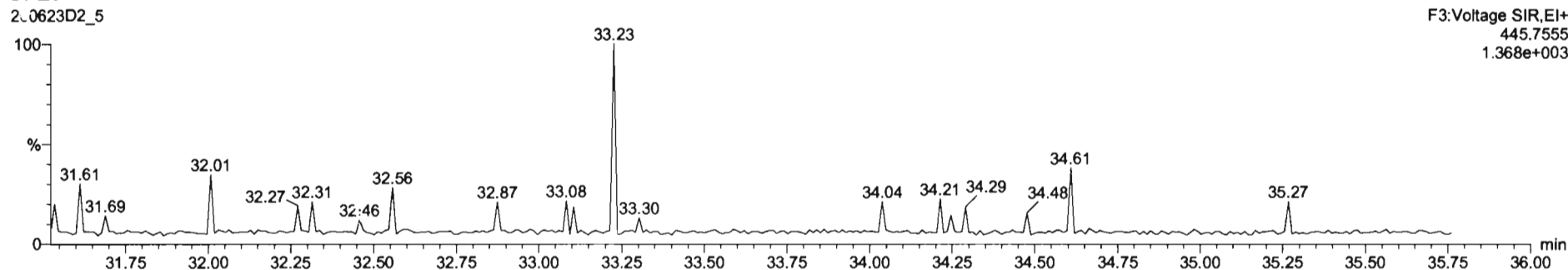
1,2,3,4,7,8-HxCDF



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



DPE3

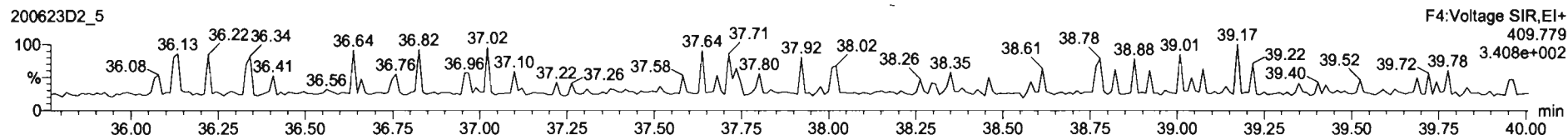
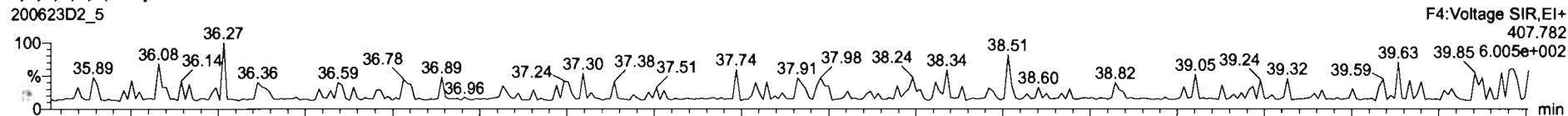


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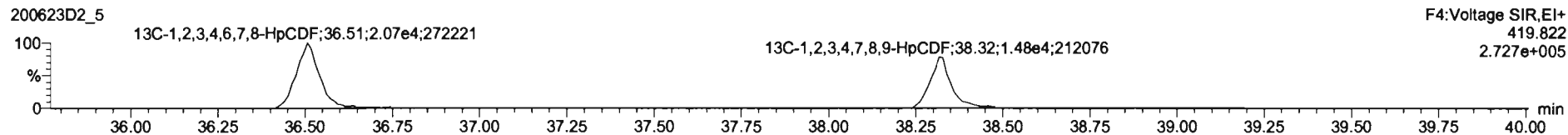
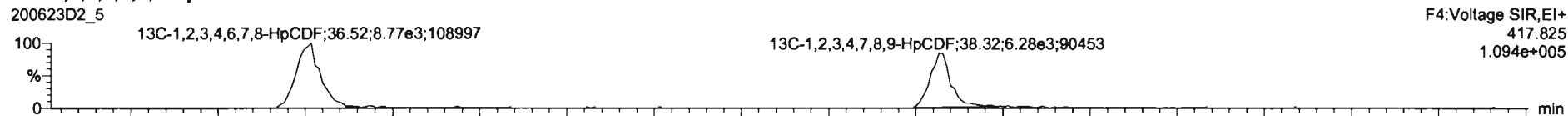
Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

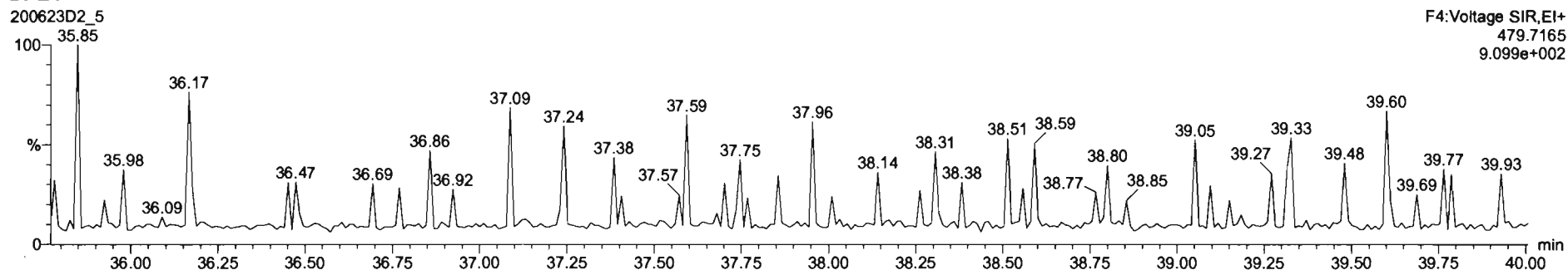
1,2,3,4,6,7,8-HpCDF



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



DPE4

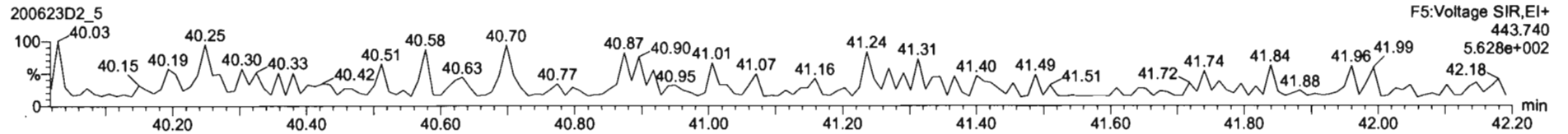
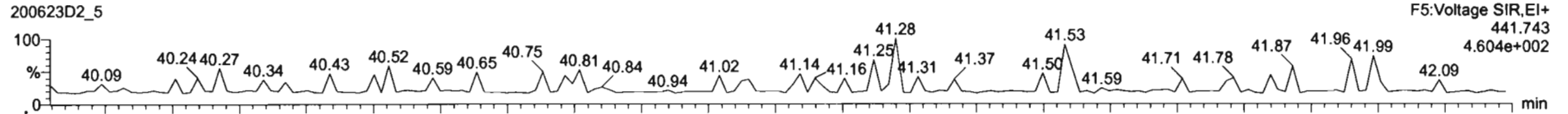


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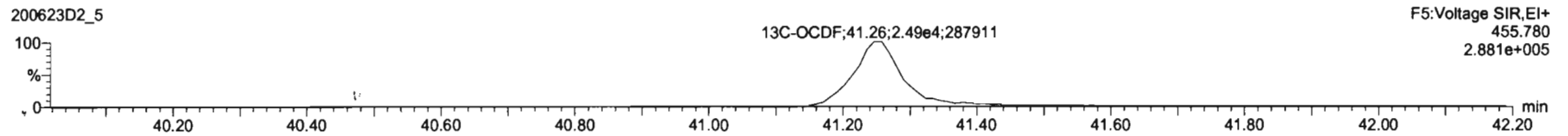
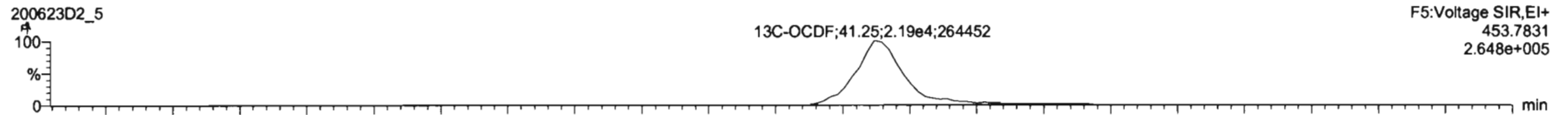
Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

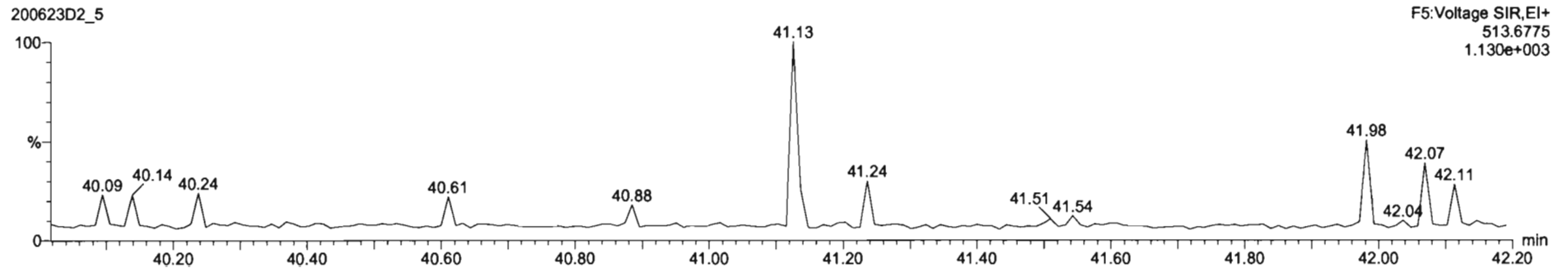
OCDF



13C-OCDF



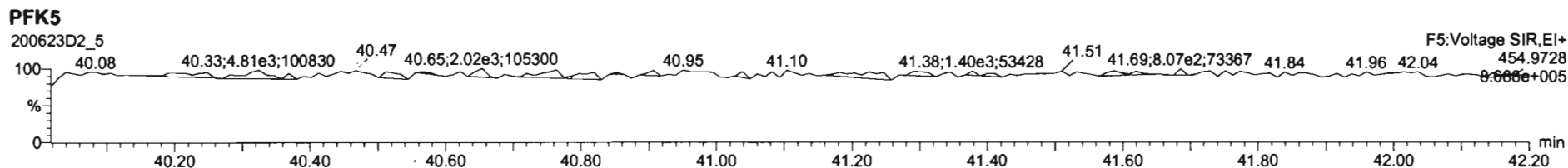
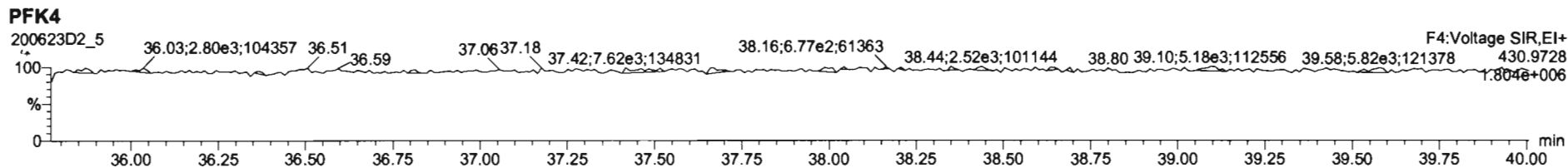
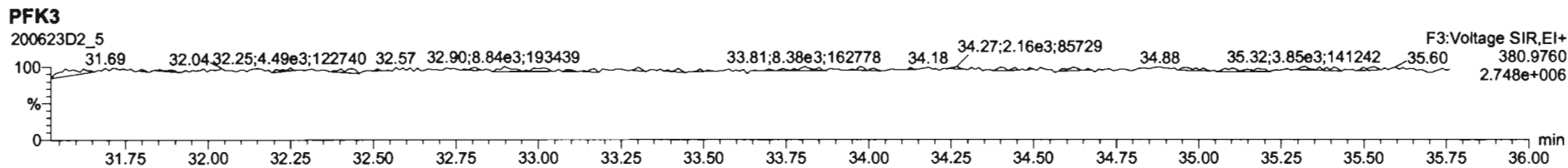
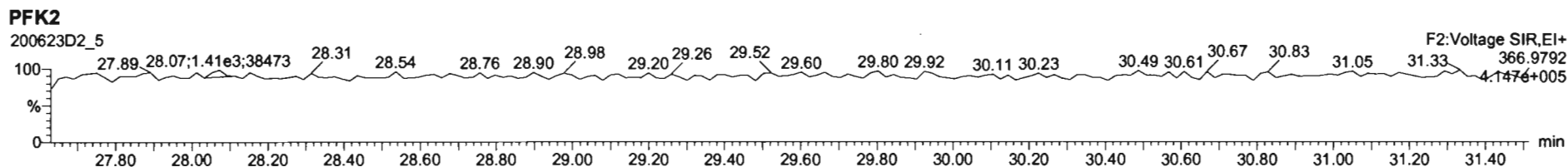
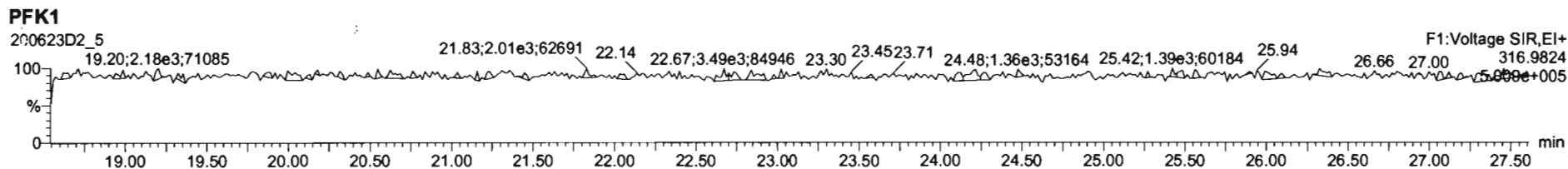
DPE5



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered: Wednesday, June 24, 2020 11:41:56 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:43:36 Pacific Daylight Time

DB 6/24/20 0706/25/2020

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-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	9.61e2	0.79	NO	0.986	10.000	26.097	26.10	1.001	1.001	21.264	106 <i>67-158</i>	2.60	21.3
2	2 1,2,3,7,8-PeCDD	5.83e3	0.64	NO	0.964	10.000	30.629	30.63	1.001	1.001	102.22	102 <i>70-142</i>	1.53	102
3	3 1,2,3,4,7,8-HxCDD	6.89e3	1.25	NO	1.16	10.000	33.927	33.94	1.000	1.001	92.805	92.8 <i>70-164</i>	1.98	92.8
4	4 1,2,3,6,7,8-HxCDD	8.48e3	1.27	NO	1.01	10.000	34.027	34.04	1.000	1.000	96.092	96.1 <i>76-134</i>	1.72	96.1
5	5 1,2,3,7,8,9-HxCDD	1.08e4	1.19	NO	1.01	10.000	34.346	34.33	1.001	1.001	90.926	90.9 <i>64-162</i>	1.37	90.9
6	6 1,2,3,4,6,7,8-HpCDD	9.23e3	1.14	NO	0.997	10.000	37.801	37.80	1.000	1.000	99.656	99.7 <i>70-140</i>	1.75	99.7
7	7 OCDD	1.59e4	0.83	NO	1.01	10.000	41.038	41.05	1.000	1.000	184.23	92.1 <i>78-144</i>	2.27	184
8	8 2,3,7,8-TCDF	1.10e3	0.88	NO	0.833	10.000	25.280	25.29	1.001	1.001	21.615	108 <i>75-158</i>	2.39	21.6
9	9 1,2,3,7,8-PeCDF	7.17e3	1.49	NO	0.965	10.000	29.462	29.44	1.001	1.000	92.990	93.0 <i>80-134</i>	1.38	93.0
10	10 2,3,4,7,8-PeCDF	6.81e3	1.43	NO	1.01	10.000	30.356	30.35	1.001	1.001	98.709	98.7 <i>68-160</i>	1.59	98.7
11	11 1,2,3,4,7,8-HxCDF	9.79e3	1.23	NO	1.09	10.000	33.039	33.05	1.000	1.000	103.23	103 <i>72-134</i>	1.66	103
12	12 1,2,3,6,7,8-HxCDF	1.22e4	1.26	NO	1.07	10.000	33.159	33.17	1.000	1.001	104.30	104 <i>84-130</i>	1.47	104
13	13 2,3,4,6,7,8-HxCDF	1.38e4	1.26	NO	1.15	10.000	33.786	33.75	1.001	1.000	99.799	99.8 <i>70-156</i>	1.37	99.8
14	14 1,2,3,7,8,9-HxCDF	9.32e3	1.24	NO	1.11	10.000	34.685	34.70	1.000	1.000	100.17	100 <i>78-130</i>	2.37	100
15	15 1,2,3,4,6,7,8-HpCDF	1.33e4	1.01	NO	1.16	10.000	36.554	36.53	1.001	1.000	97.079	97.1 <i>82-122</i>	1.47	97.1
16	16 1,2,3,4,7,8,9-HpCDF	9.55e3	1.05	NO	1.35	10.000	38.328	38.34	1.000	1.000	98.726	98.7 <i>78-138</i>	1.85	98.7
17	17 OCDF	2.11e4	0.92	NO	0.949	10.000	41.258	41.28	1.000	1.001	218.94	109 <i>63-170</i>	1.85	219
18	18 13C-2,3,7,8-TCDD	9.16e3	0.88	NO	1.26	10.000	26.163	26.07	1.026	1.022	31.439	15.7 <i>20-175</i>	2.94	
19	19 13C-1,2,3,7,8-PeCDD	1.18e4	0.58	NO	0.921	10.000	30.651	30.61	1.202	1.200	55.474	27.7 <i>21-227</i>	1.03	
20	20 13C-1,2,3,4,7,8-HxCDD	1.28e4	1.41	NO	0.707	10.000	33.902	33.92	1.014	1.014	80.470	40.2 <i>21-193</i>	1.83	
21	21 13C-1,2,3,6,7,8-HxCDD	1.75e4	1.21	NO	0.829	10.000	34.012	34.03	1.017	1.018	94.248	47.1 <i>25-163</i>	1.56	
22	22 13C-1,2,3,7,8,9-HxCDD	2.35e4	1.30	NO	0.808	10.000	34.283	34.31	1.025	1.026	129.63	64.8 <i>21-193</i>	1.60	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.86e4	1.01	NO	0.662	10.000	37.747	37.79	1.129	1.130	125.19	62.6 <i>26-166</i>	1.74	
24	24 13C-OCDD	3.40e4	0.90	NO	0.608	10.000	40.769	41.04	1.219	1.227	248.82	62.2 <i>13-198</i>	2.97	
25	25 13C-2,3,7,8-TCDF	1.23e4	0.75	NO	1.07	10.000	25.245	25.25	0.990	0.990	30.867	15.4 <i>22-152</i>	1.99	
26	26 13C-1,2,3,7,8-PeCDF	1.60e4	1.67	NO	0.826	10.000	29.470	29.44	1.156	1.155	51.973	26.0 <i>21-192</i>	1.09	
27	27 13C-2,3,4,7,8-PeCDF	1.37e4	1.67	NO	0.796	10.000	30.370	30.33	1.191	1.189	46.163	23.1 <i>13-328</i>	1.13	
28	28 13C-1,2,3,4,7,8-HxCDF	1.73e4	0.47	NO	1.08	10.000	33.033	33.04	0.988	0.988	71.816	35.8 <i>19-202</i>	1.64	
29	29 13C-1,2,3,6,7,8-HxCDF	2.19e4	0.53	NO	1.12	10.000	33.167	33.15	0.992	0.991	86.733	43.4 <i>21-159</i>	1.57	
30	30 13C-2,3,4,6,7,8-HxCDF	2.39e4	0.51	NO	1.02	10.000	33.738	33.75	1.009	1.010	104.11	52.1 <i>22-176</i>	1.72	
31	31 13C-1,2,3,7,8,9-HxCDF	1.67e4	0.45	NO	0.887	10.000	34.638	34.69	1.036	1.037	83.878	41.9 <i>17-205</i>	1.99	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered: Wednesday, June 24, 2020 11:41:56 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 11:43:36 Pacific Daylight Time

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	2.37e4	0.44	NO	0.811	10.000	36.343	36.52	1.087	1.092	130.38	65.2 <i>21-158</i>	1.45	
33	13C-1,2,3,4,7,8,9-HpCDF	1.43e4	0.44	NO	0.598	10.000	38.349	38.33	1.147	1.146	106.70	53.3 <i>20-186</i>	1.97	
34	13C-OCDF	4.06e4	0.92	NO	0.752	10.000	40.923	41.26	1.224	1.234	240.36	60.1 <i>13-198</i>	1.51	
35	37Cl-2,3,7,8-TCDD	4.02e3			1.24	10.000	26.160	26.07	1.026	1.022	13.983	17.5 <i>31-191</i>	0.269	
36	13C-1,2,3,4-TCDD	4.63e4	0.75	NO	1.00	10.000	25.480	25.50	1.000	1.000	200.00	100	3.70	
37	13C-1,2,3,4-TCDF	7.44e4	0.78	NO	1.00	10.000	24.020	24.03	1.000	1.000	200.00	100	2.13	
38	13C-1,2,3,4,6,9-HxCDF	4.49e4	0.53	NO	1.00	10.000	33.530	33.43	1.000	1.000	200.00	100	1.77	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

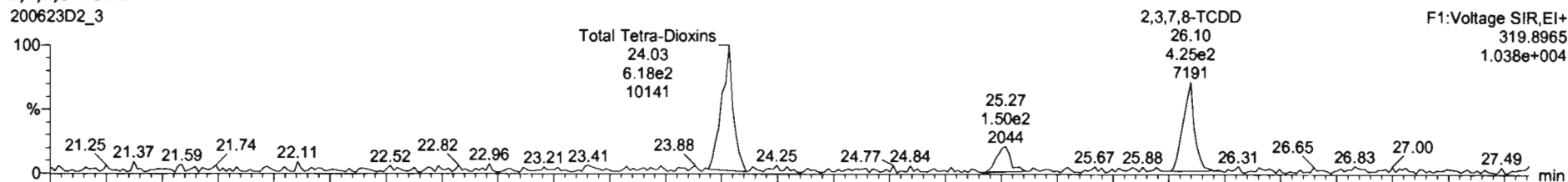
Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

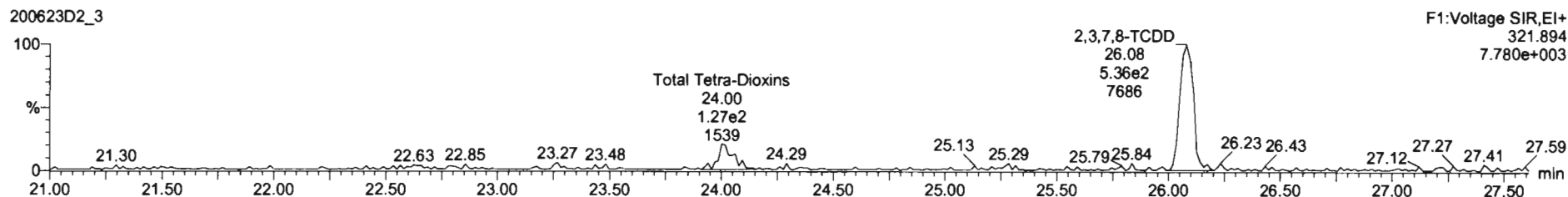
Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

2,3,7,8-TCDD

200623D2_3

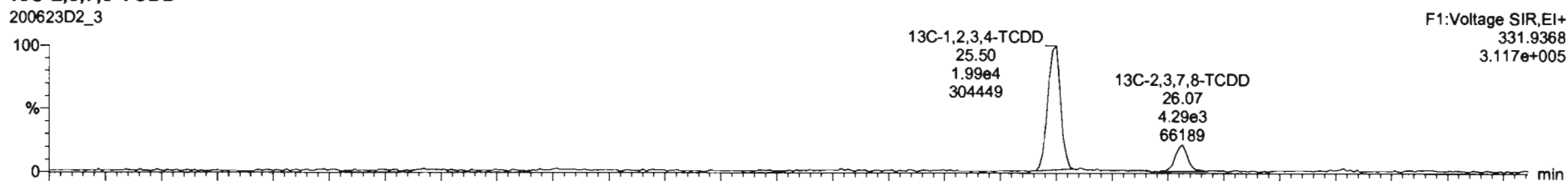


200623D2_3

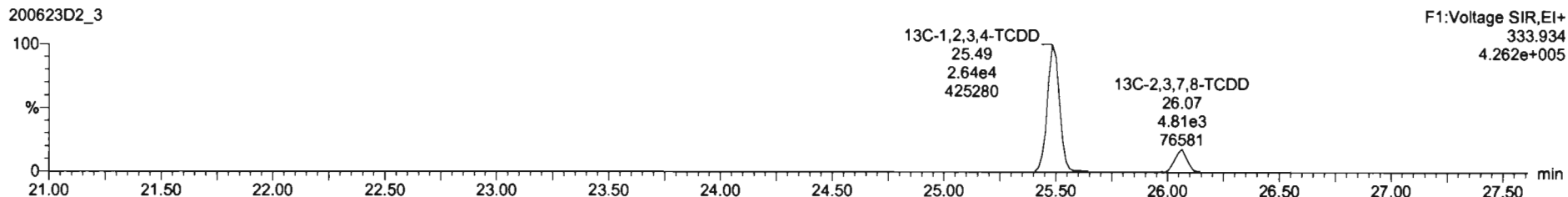


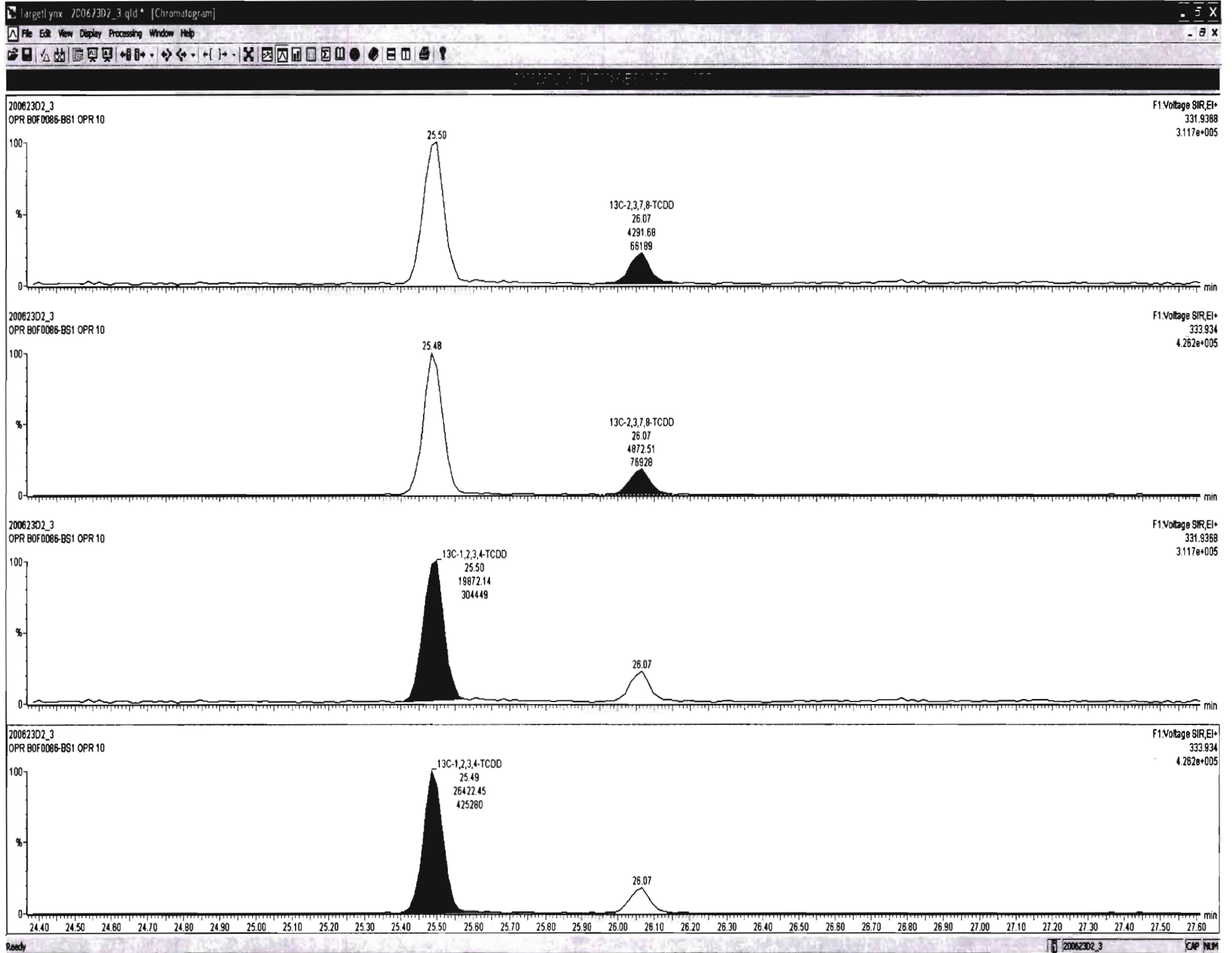
13C-2,3,7,8-TCDD

200623D2_3



200623D2_3



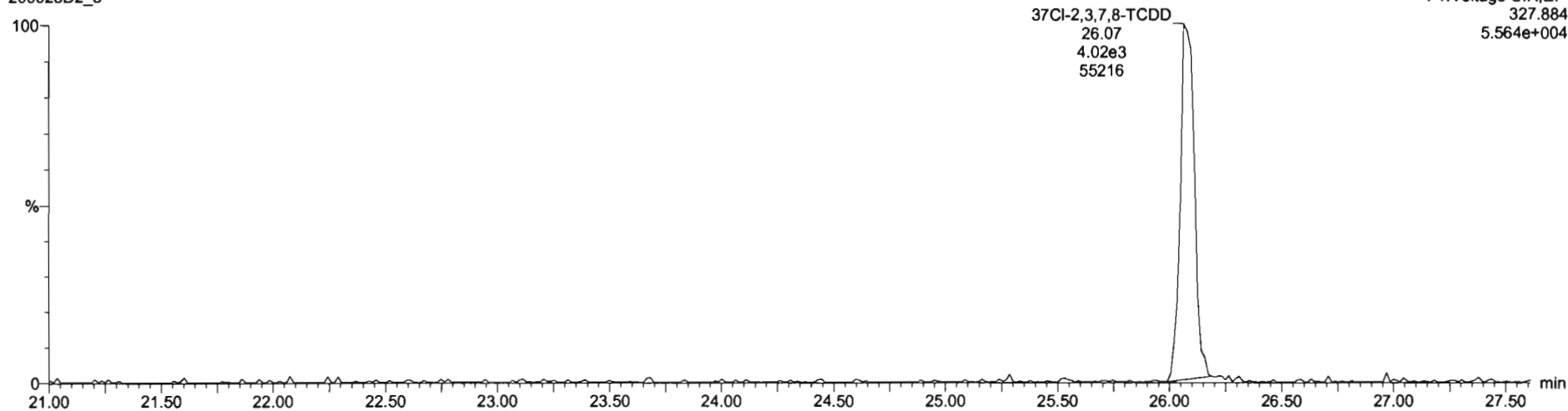


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

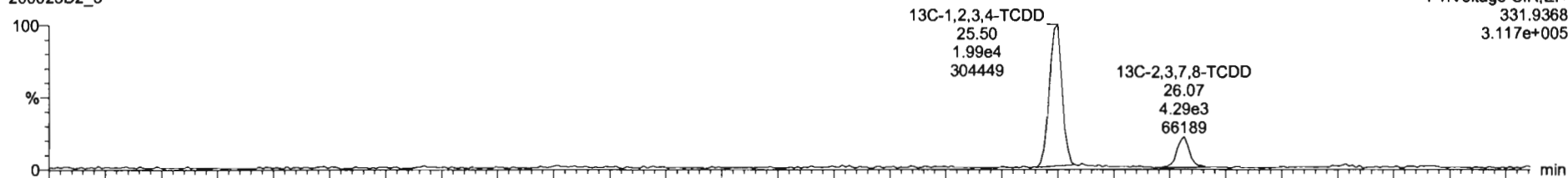
Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

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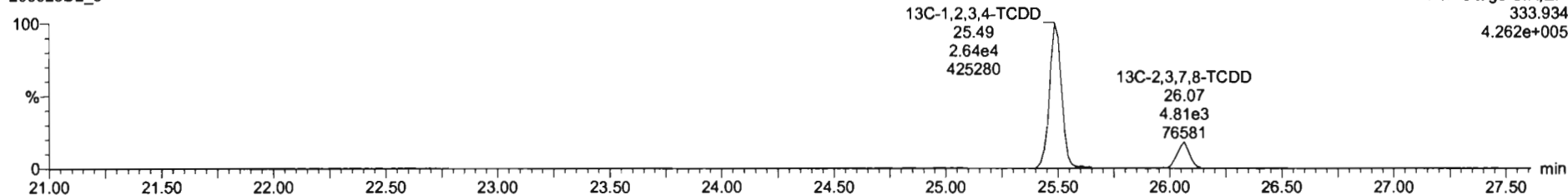
37Cl-2,3,7,8-TCDD
200623D2_3



13C-1,2,3,4-TCDD
200623D2_3



200623D2_3



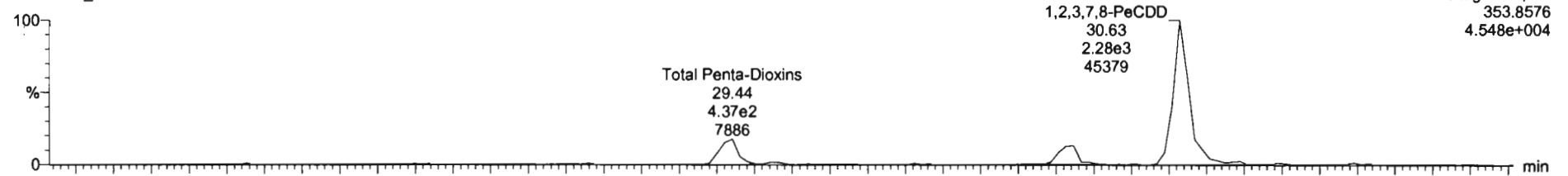
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

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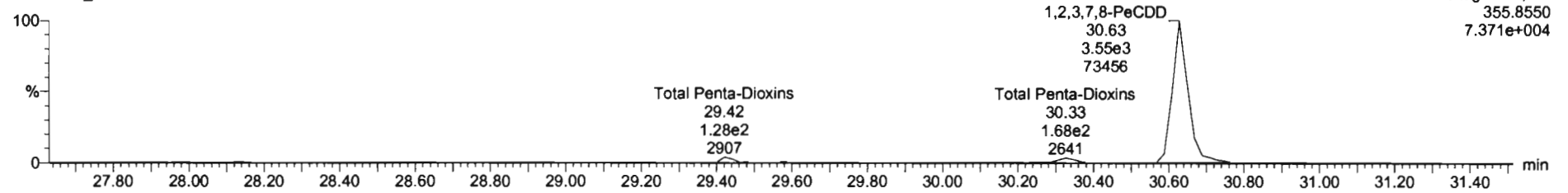
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1,2,3,7,8-PeCDD

200623D2_3

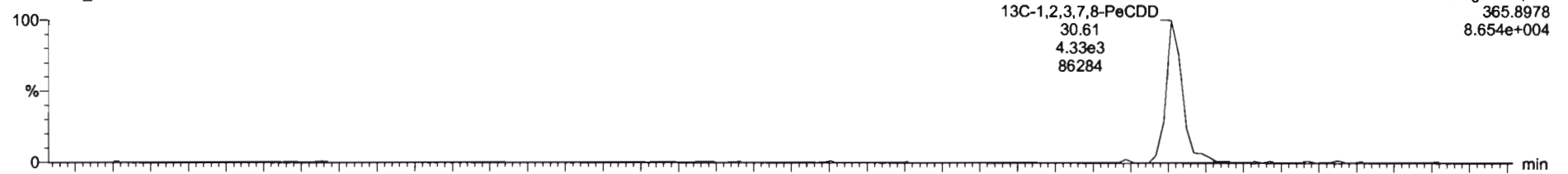


200623D2_3

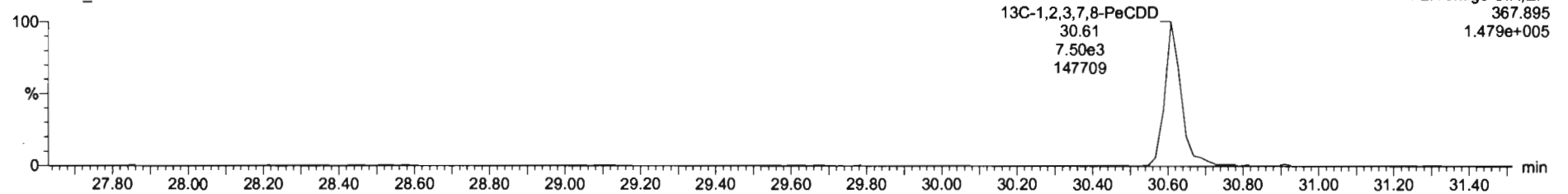


13C-1,2,3,7,8-PeCDD

200623D2_3



200623D2_3



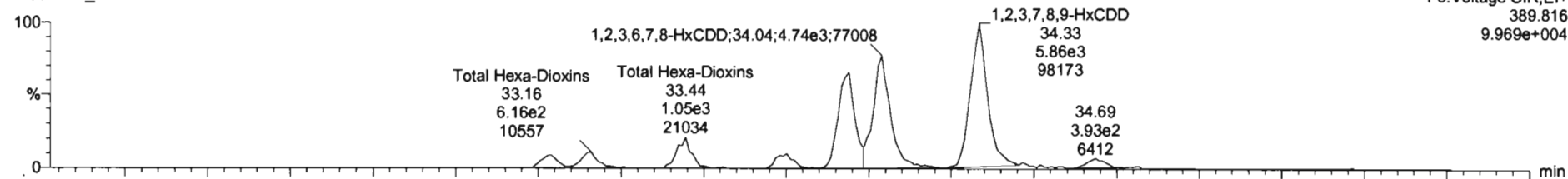
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Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

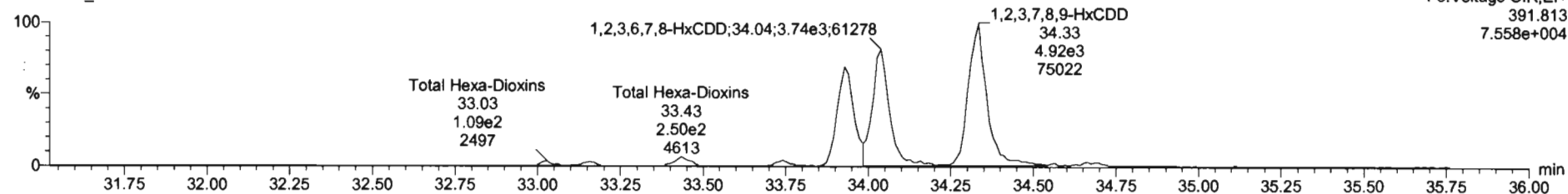
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1,2,3,4,7,8-HxCDD

200623D2_3

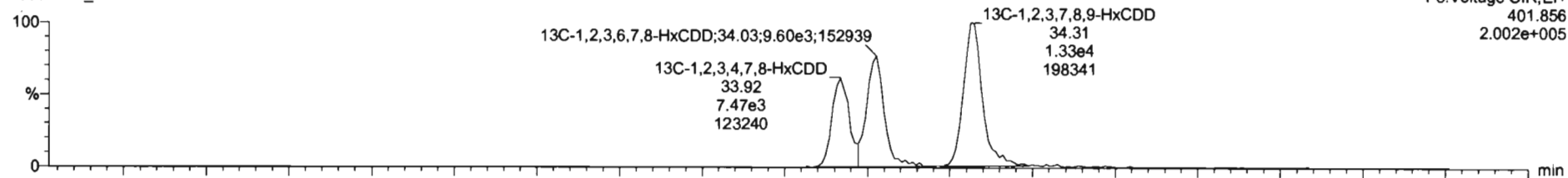


200623D2_3

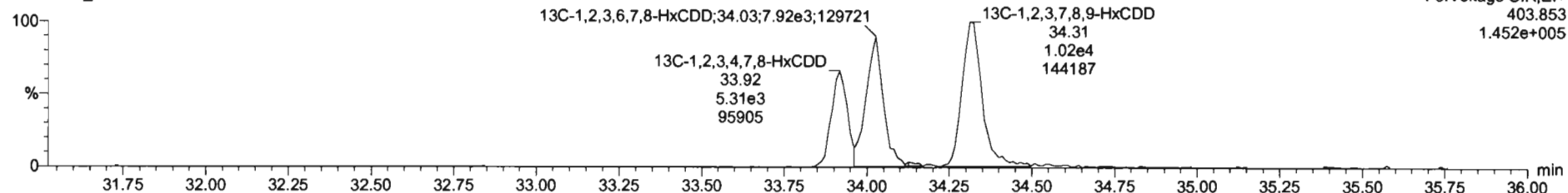


13C-1,2,3,4,7,8-HxCDD

200623D2_3



200623D2_3



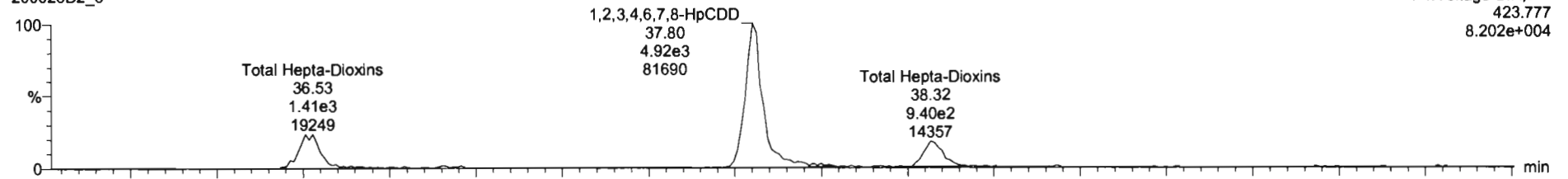
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Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

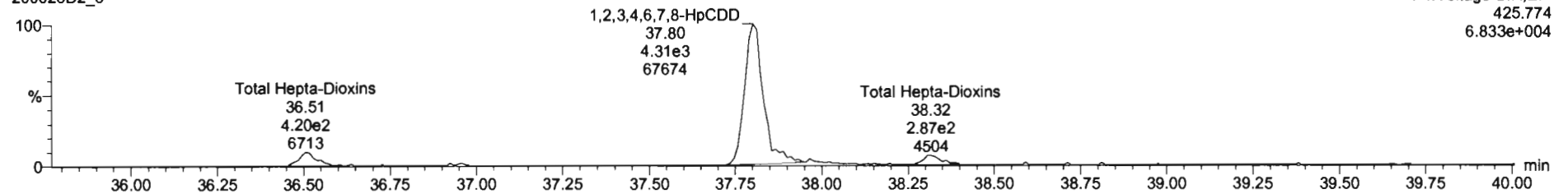
1,2,3,4,6,7,8-HpCDD

200623D2_3



F4:Voltage SIR,EI+
423.777
8.202e+004

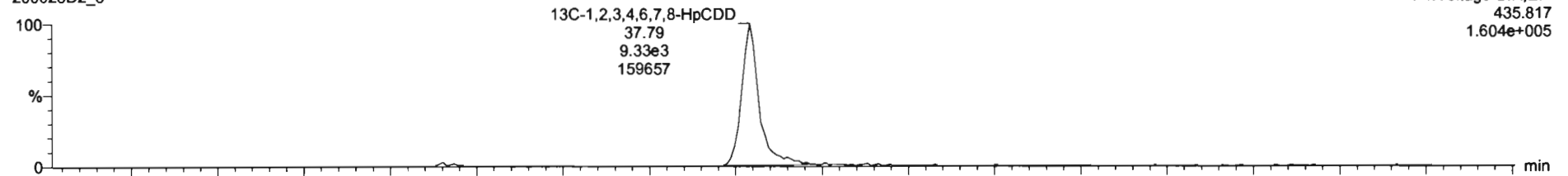
200623D2_3



F4:Voltage SIR,EI+
425.774
6.833e+004

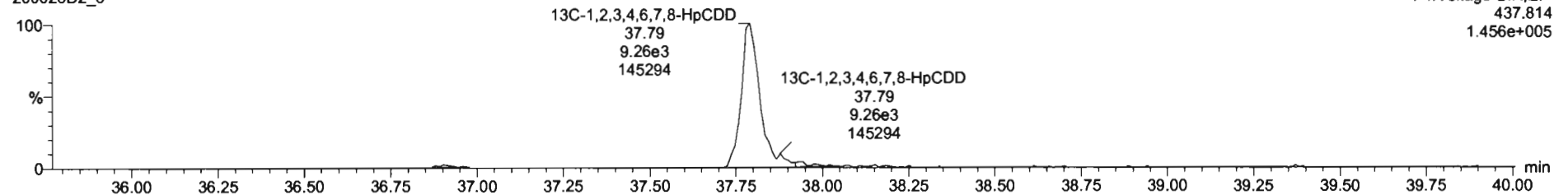
13C-1,2,3,4,6,7,8-HpCDD

200623D2_3



F4:Voltage SIR,EI+
435.817
1.604e+005

200623D2_3



F4:Voltage SIR,EI+
437.814
1.456e+005

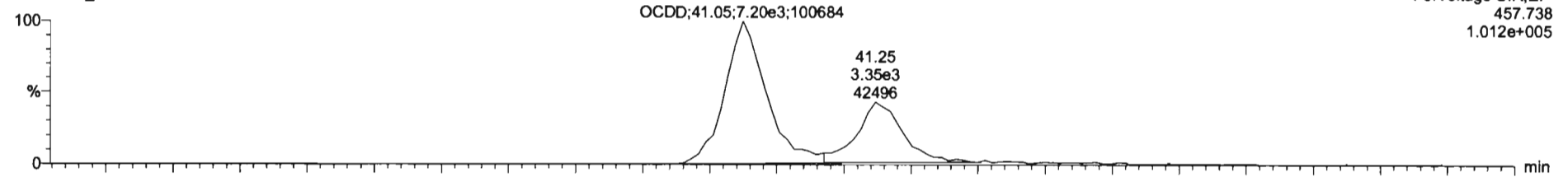
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Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

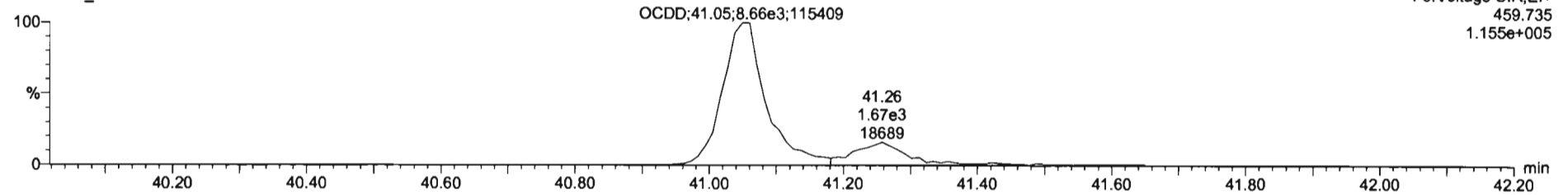
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OCDD

200623D2_3

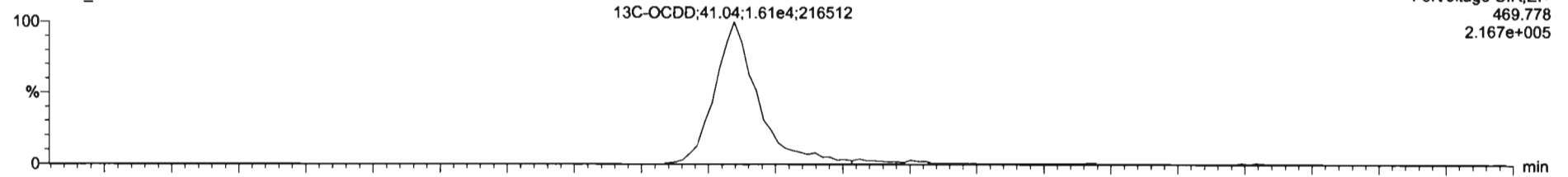


200623D2_3

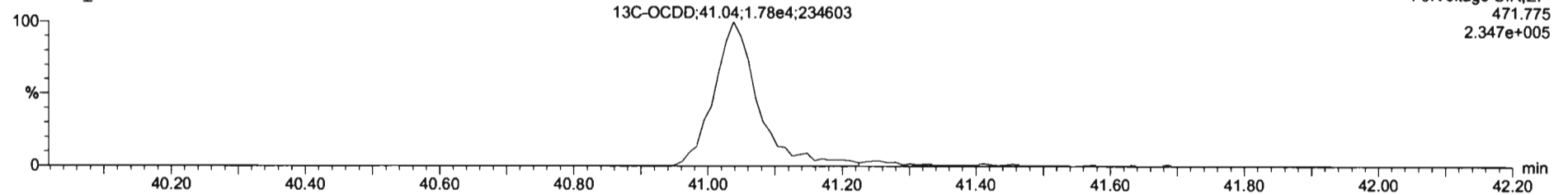


13C-OCDD

200623D2_3



200623D2_3



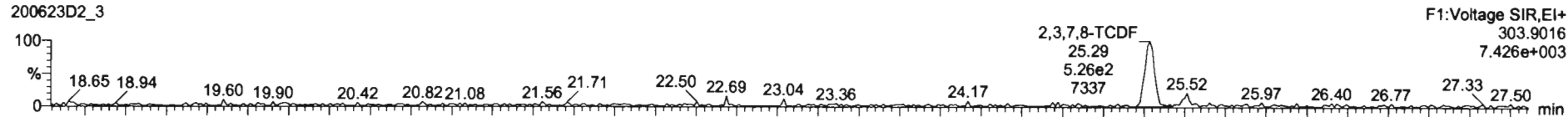
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Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

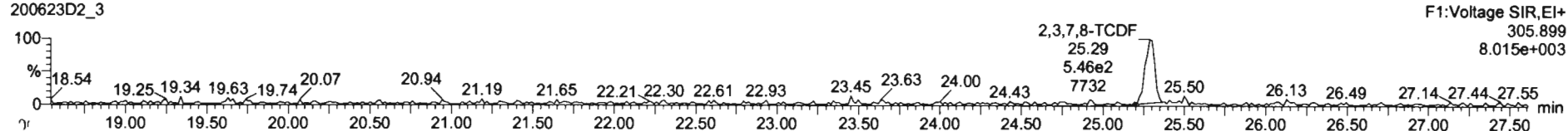
Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

2,3,7,8-TCDF

200623D2_3

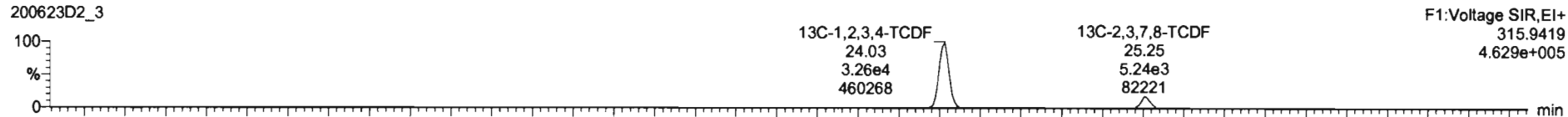


200623D2_3

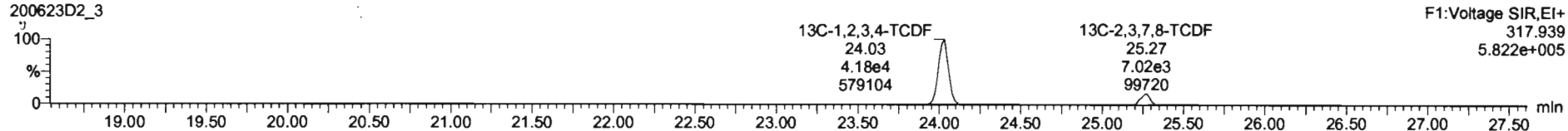


13C-2,3,7,8-TCDF

200623D2_3

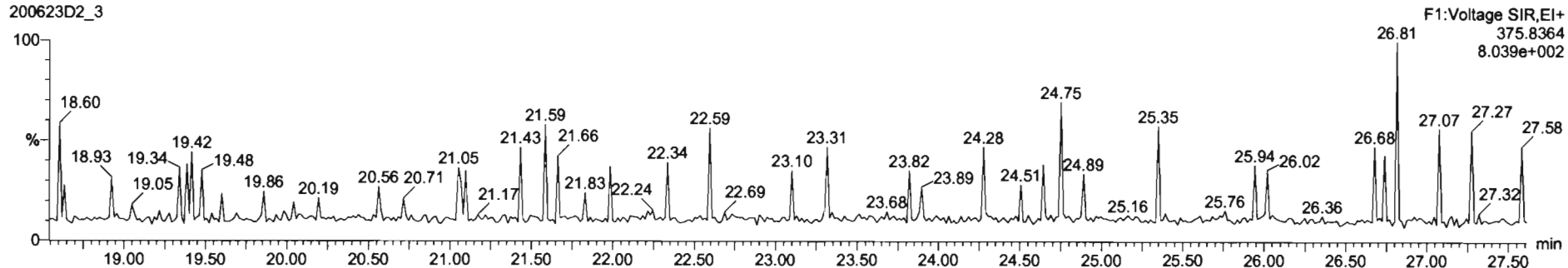


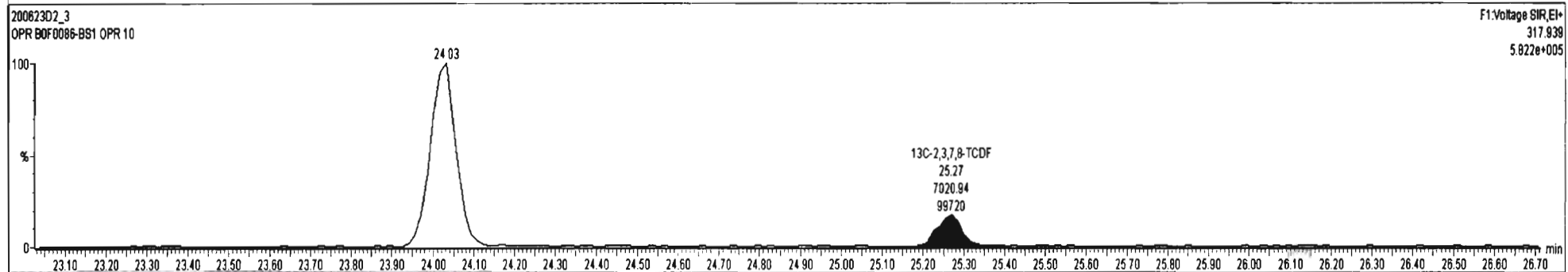
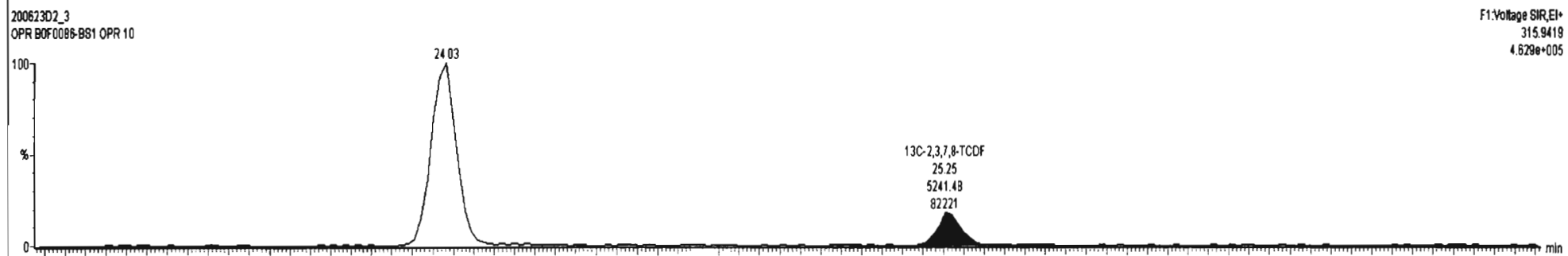
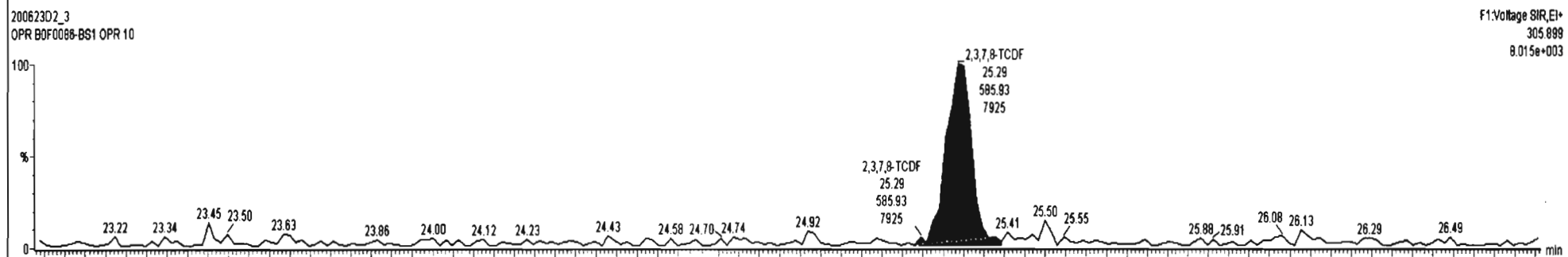
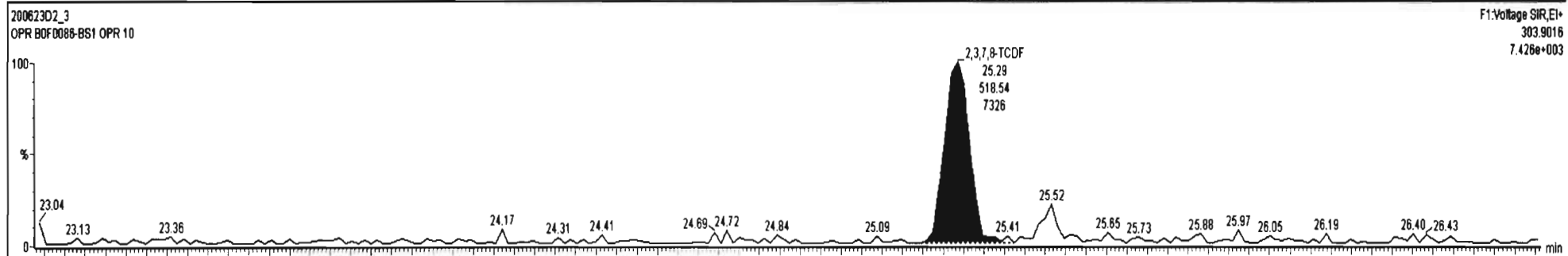
200623D2_3



DPE1

200623D2_3





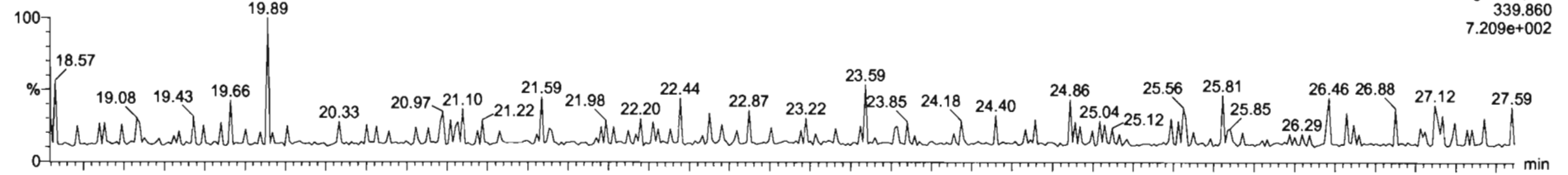
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

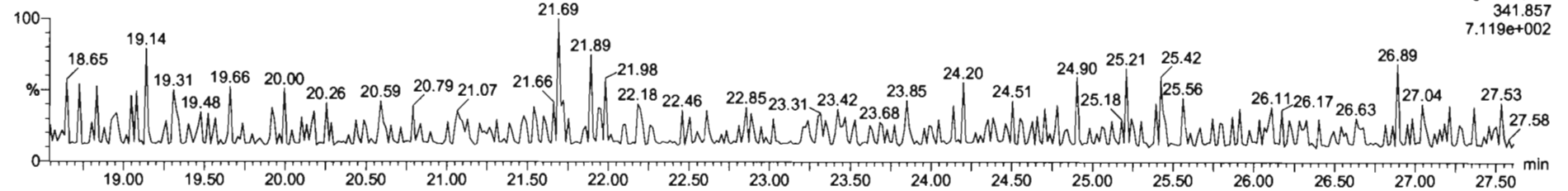
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1st Func. Penta-Furans

200623D2_3

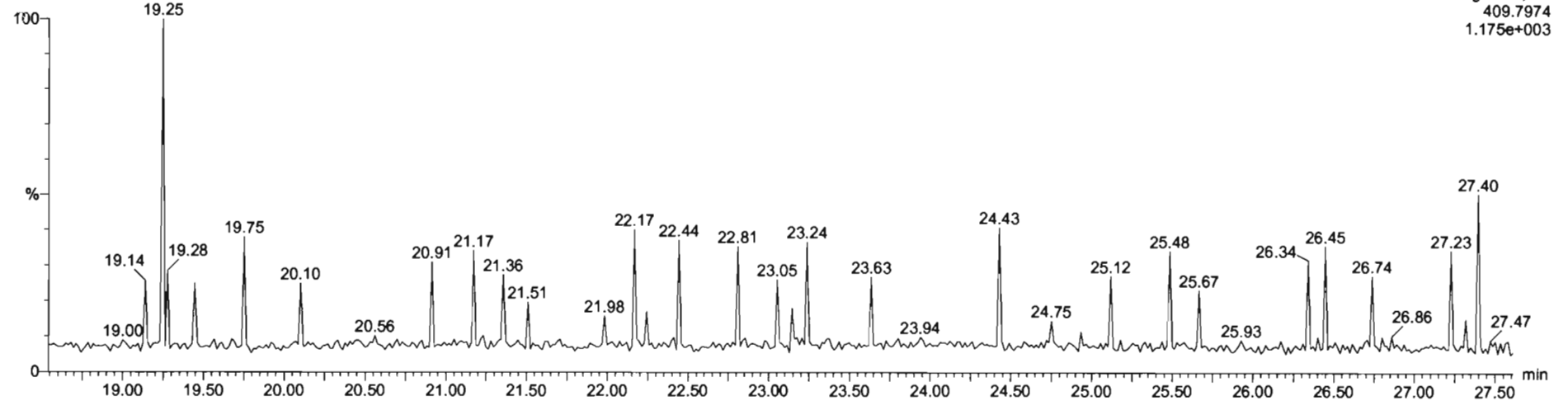


200623D2_3



DPE6

200623D2_3



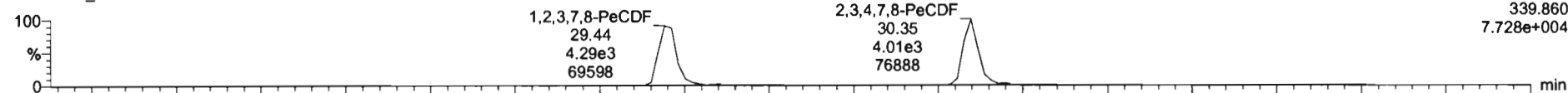
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Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

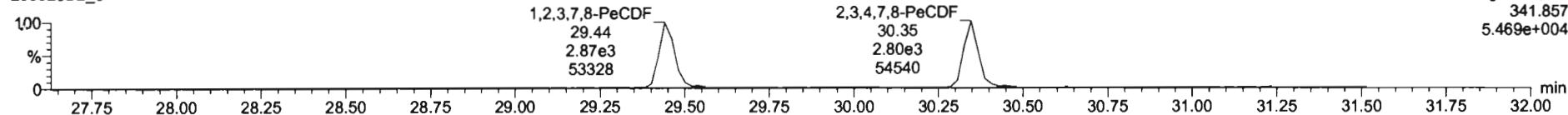
1,2,3,7,8-PeCDF

200623D2_3



F2: Voltage SIR, EI+
339.860
7.728e+004

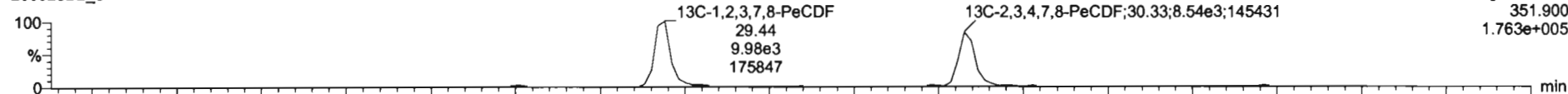
200623D2_3



F2: Voltage SIR, EI+
341.857
5.469e+004

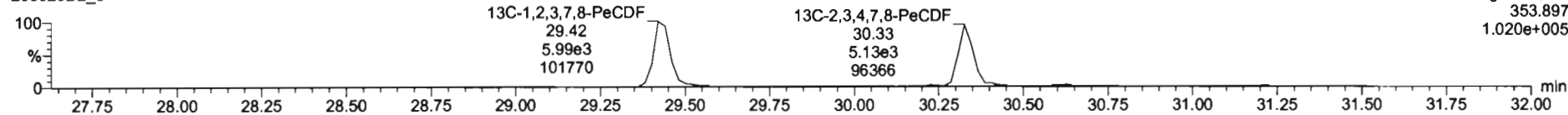
13C-1,2,3,7,8-PeCDF

200623D2_3



F2: Voltage SIR, EI+
351.900
1.763e+005

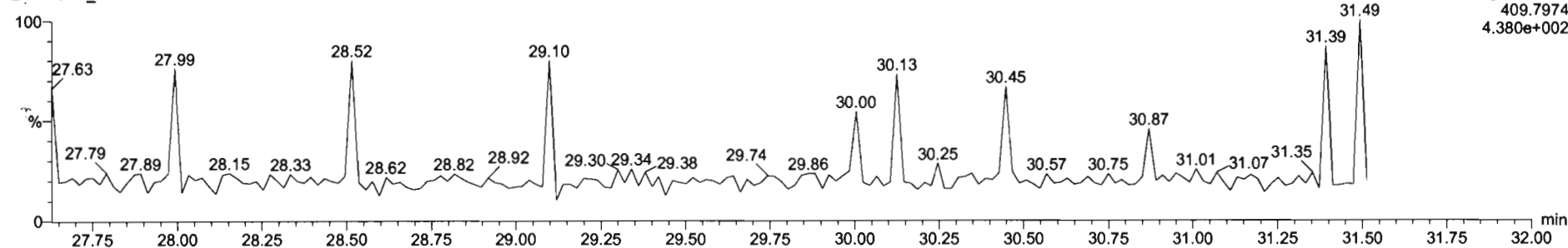
200623D2_3



F2: Voltage SIR, EI+
353.897
1.020e+005

DPE2

200623D2_3



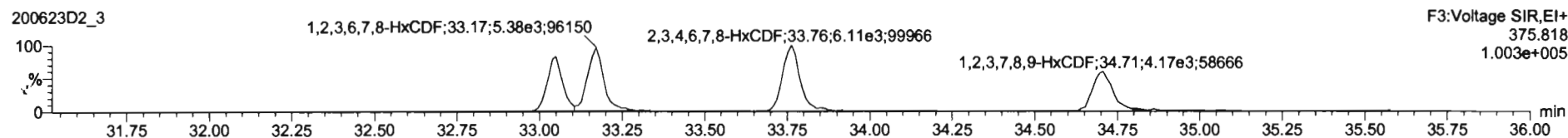
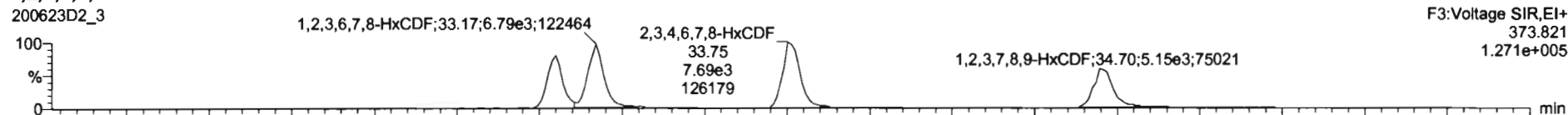
F2: Voltage SIR, EI+
409.7974
4.380e+002

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

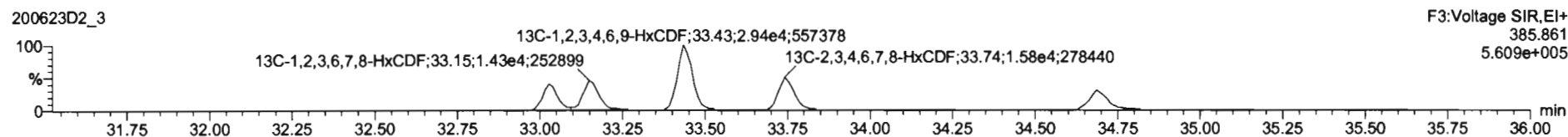
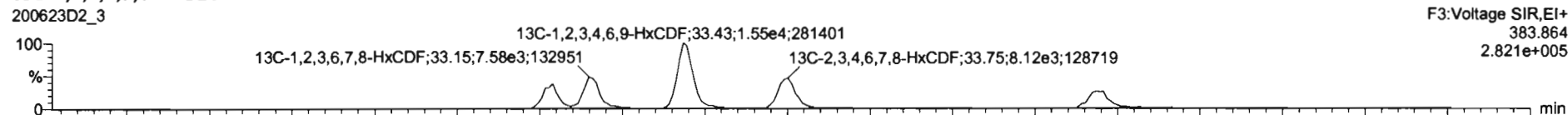
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Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

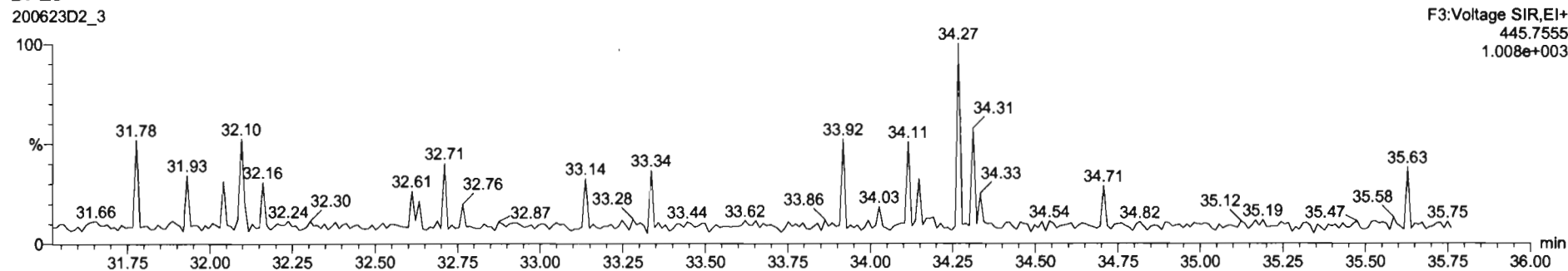
1,2,3,4,7,8-HxCDF



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



DPE3

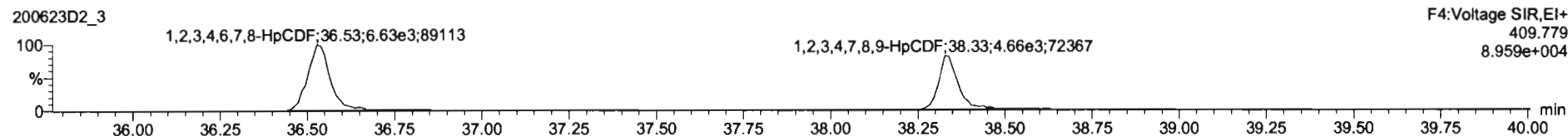
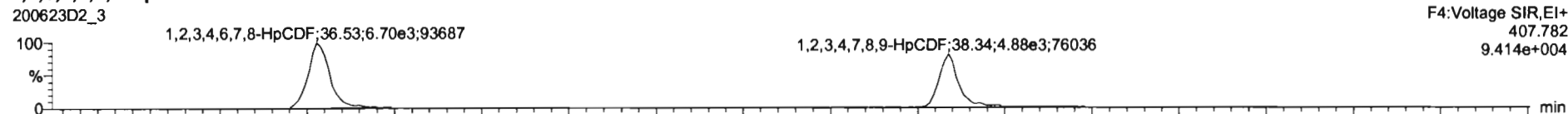


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

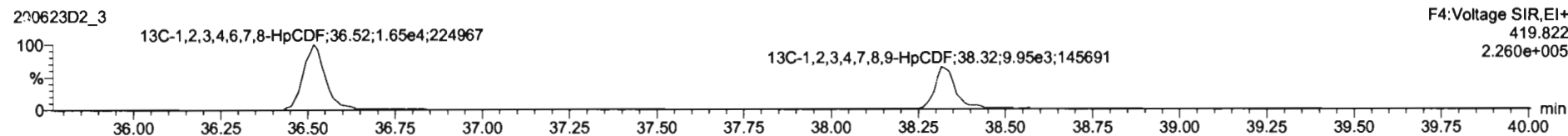
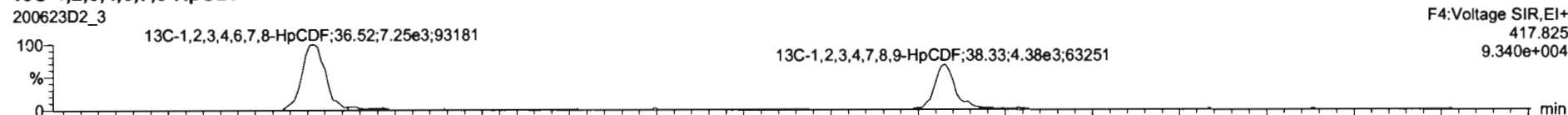
Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

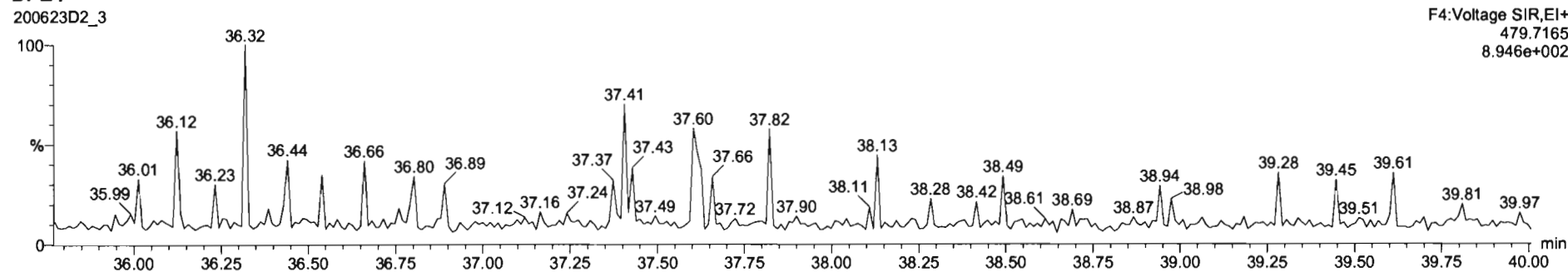
1,2,3,4,6,7,8-HpCDF



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



DPE4



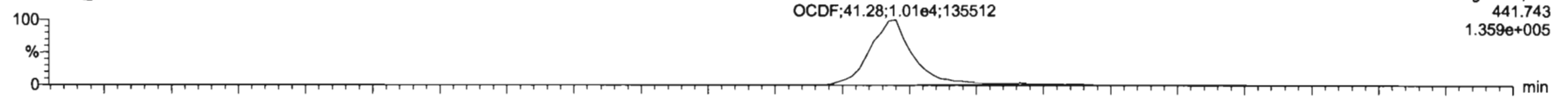
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

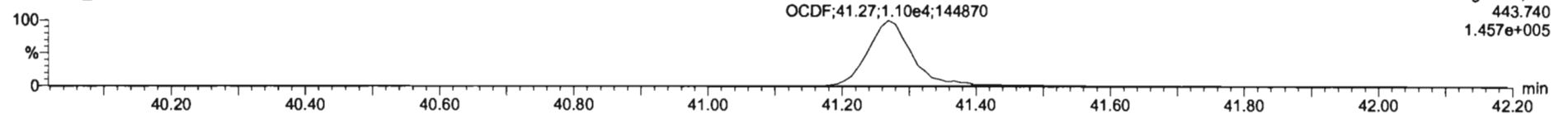
Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR

OCDF

200623D2_3

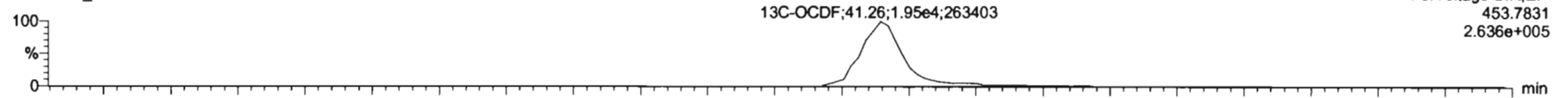


200623D2_3

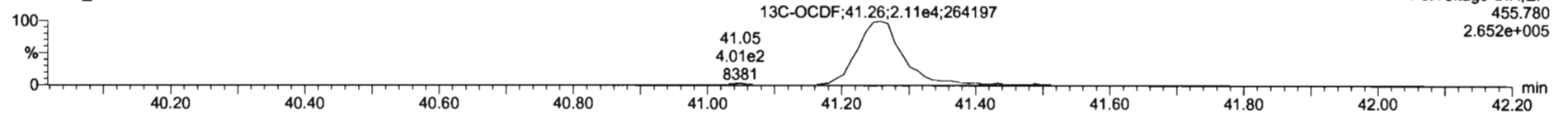


13C-OCDF

200623D2_3

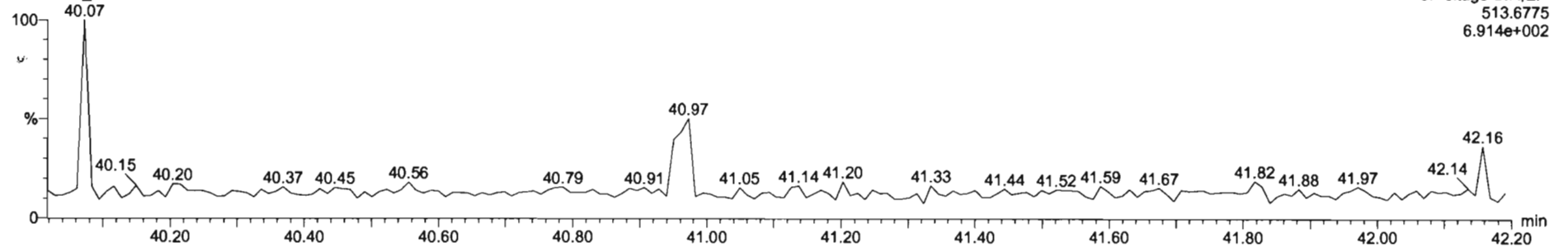


200623D2_3



DPE5

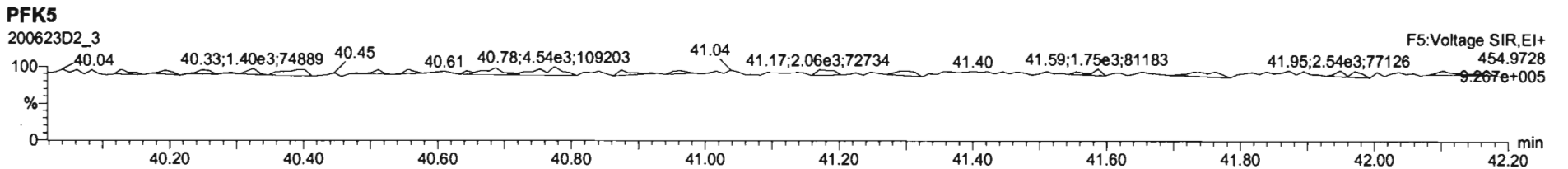
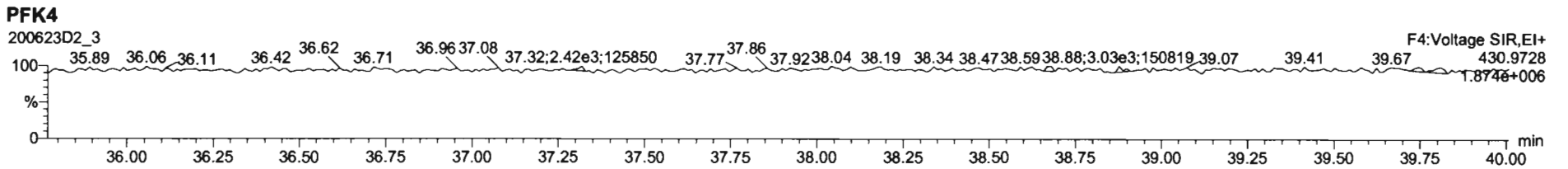
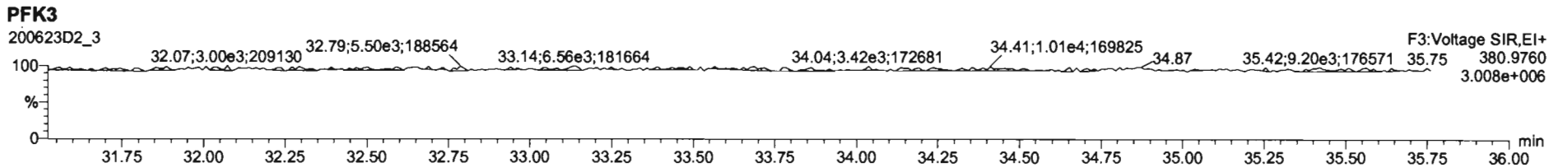
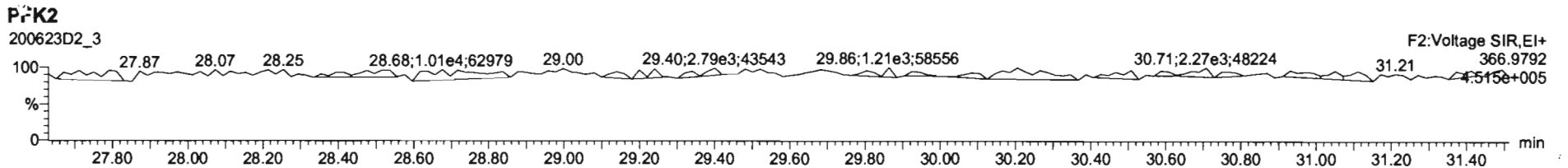
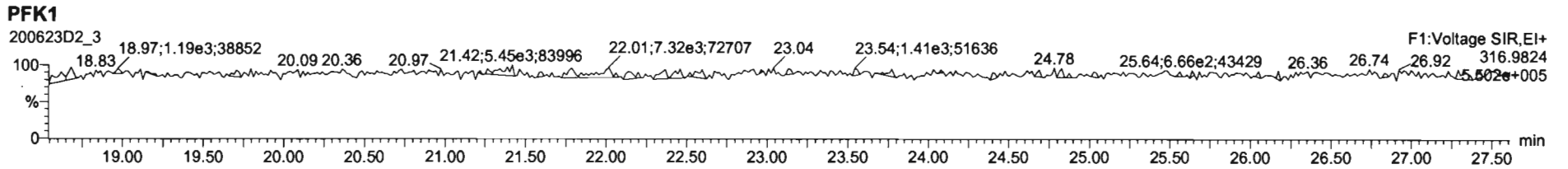
200623D2_3



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-12.qld

Last Altered: Tuesday, June 09, 2020 10:42:31 AM Pacific Daylight Time
Printed: Tuesday, June 09, 2020 2:20:16 PM Pacific Daylight Time

ly 06-09-2020

C704/02/2020

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

Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.049	26.486		1.001				0.0810	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.049	31.457		1.001				0.0770	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.049	34.825		1.000				0.0880	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.049	34.911		1.000				0.0886	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.049	35.209		1.000				0.0977	
6	6 1,2,3,4,6,7,8-HpCDD	5.51e2	0.84	YES	0.864	10.049	38.735	38.76	1.000	1.001	0.70391		0.225	0.631
7	7 OCDD	1.37e3	0.74	YES	0.914	10.049	41.716	41.72	1.000	1.000	5.4408		0.823	4.91
8	8 2,3,7,8-TCDF			NO	0.751	10.049	25.597		1.001				0.0805	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.049	30.175		1.001				0.0635	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.049	31.161		1.001				0.0589	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.049	33.931		1.000				0.0487	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.049	34.069		1.000				0.0432	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.049	34.680		1.001				0.0520	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.049	35.550		1.000				0.0736	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.049	37.355		1.001				0.0661	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.049	39.277		1.000				0.0779	
17	17 OCDF			NO	0.806	10.049	41.908		1.000				0.189	
18	18 13C-2,3,7,8-TCDD	8.11e5	0.78	NO	1.16	10.049	26.491	26.45	1.026	1.025	189.72	95.3	0.215	
19	19 13C-1,2,3,7,8-PeCDD	5.89e5	0.63	NO	0.849	10.049	31.674	31.43	1.227	1.218	187.73	94.3	0.394	
20	20 13C-1,2,3,4,7,8-HxCDD	3.53e5	1.27	NO	0.779	10.049	34.819	34.81	1.014	1.014	151.99	76.4	0.670	
21	21 13C-1,2,3,6,7,8-HxCDD	4.70e5	1.26	NO	1.02	10.049	34.932	34.91	1.017	1.017	154.83	77.8	0.513	
22	22 13C-1,2,3,7,8,9-HxCDD	4.02e5	1.21	NO	0.903	10.049	35.204	35.20	1.025	1.025	149.19	75.0	0.578	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.80e5	1.04	NO	0.689	10.049	38.726	38.72	1.128	1.128	87.723	44.1	0.479	
24	24 13C-OCDD	1.10e5	0.87	NO	0.652	10.049	41.748	41.72	1.216	1.215	56.451	14.2	0.290	
25	25 13C-2,3,7,8-TCDF	1.07e6	0.78	NO	1.06	10.049	25.534	25.57	0.989	0.991	182.88	91.9	0.335	
26	26 13C-1,2,3,7,8-PeCDF	9.02e5	1.58	NO	0.838	10.049	30.058	30.15	1.165	1.168	195.81	98.4	0.684	
27	27 13C-2,3,4,7,8-PeCDF	8.72e5	1.59	NO	0.817	10.049	31.011	31.13	1.202	1.206	194.14	97.5	0.702	
28	28 13C-1,2,3,4,7,8-HxCDF	4.87e5	0.52	NO	1.01	10.049	33.950	33.93	0.989	0.988	161.91	81.4	0.580	
29	29 13C-1,2,3,6,7,8-HxCDF	6.08e5	0.52	NO	1.17	10.049	34.074	34.06	0.992	0.992	174.67	87.8	0.501	
30	30 13C-2,3,4,6,7,8-HxCDF	4.46e5	0.51	NO	1.02	10.049	34.647	34.65	1.009	1.009	146.18	73.4	0.572	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-12.qld

Last Altered: Tuesday, June 09, 2020 10:42:31 AM Pacific Daylight Time

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Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.00e5	0.50	NO	0.860	10.049	35.547	35.55	1.035	1.035	155.87	78.3	0.680	
32	13C-1,2,3,4,6,7,8-HpCDF	2.96e5	0.44	NO	0.774	10.049	37.295	37.32	1.086	1.087	128.20	64.4	0.533	
33	13C-1,2,3,4,7,8,9-HpCDF	1.93e5	0.41	NO	0.521	10.049	39.324	39.28	1.145	1.144	124.01	62.3	0.792	
34	13C-OCDF	2.31e5	0.88	NO	0.746	10.049	41.920	41.91	1.221	1.221	103.90	26.1	0.294	
35	37Cl-2,3,7,8-TCDD	3.01e5			1.04	10.049	26.522	26.48	1.028	1.026	78.596	98.7	0.0767	
36	13C-1,2,3,4-TCDD	7.35e5	0.79	NO	1.00	10.049	25.890	25.81	1.000	1.000	199.03	100	0.248	
37	13C-1,2,3,4-TCDF	1.09e6	0.77	NO	1.00	10.049	24.360	24.12	1.000	1.000	199.03	100	0.354	
38	13C-1,2,3,4,6,9-HxCDF	5.94e5	0.52	NO	1.00	10.049	34.420	34.33	1.000	1.000	199.03	100	0.585	
39	39 Total Tetra-Dioxins				0.888	10.049	24.620		0.000		0.30446		0.0810	0.815
40	40 Total Penta-Dioxins				0.908	10.049	29.960		0.000		0.14397		0.0374	0.144
41	41 Total Hexa-Dioxins				0.892	10.049	33.635		0.000		0.65276		0.0952	0.653
42	42 Total Hepta-Dioxins				0.864	10.049	37.640		0.000		0.00000		0.149	2.10
43	43 Total Tetra-Furans				0.751	10.049	23.610		0.000		1.0884		0.0805	1.71
44	44 1st Func. Penta-Furans				0.893	10.049	27.580		0.000		0.00000		0.00643	0.0450
45	45 Total Penta-Furans				0.893	10.049	29.275		0.000				0.0308	
46	46 Total Hexa-Furans				0.934	10.049	33.555		0.000				0.0300	
47	47 Total Hepta-Furans				0.873	10.049	37.835		0.000				0.0281	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-12.qld

Last Altered: Tuesday, June 09, 2020 10:42:31 AM Pacific Daylight Time

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

Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.47	4.790e3	8.362e3	4.654e2	6.362e2	0.73	NO	1.102e3	0.30446	0.30400	0.0819
2	Total Tetra-Dioxins	22.89	5.378e3	6.550e3	4.874e2	5.404e2	0.90	YES	0.000e0	0.00000	0.26400	0.0810
3	Total Tetra-Dioxins	24.31	4.838e3	7.884e3	3.876e2	5.940e2	0.65	YES	0.000e0	0.00000	0.24600	0.0810

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.73	3.501e3	5.569e3	1.447e2	2.421e2	0.60	NO	3.868e2	0.14397	0.14400	0.0374

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.32	1.272e4	1.075e4	6.701e2	5.245e2	1.28	NO	1.195e3	0.65276	0.65300	0.0952

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.72	7.262e3	8.803e3	5.873e2	7.492e2	0.78	YES	0.000e0	0.00000	1.4710	0.226
2	1,2,3,4,6,7,8-HpCDD	38.76	4.292e3	4.091e3	2.518e2	2.992e2	0.84	YES	5.511e2	0.00000	0.63100	0.226

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.32	7.793e3	8.645e3	5.728e2	6.328e2	0.90	YES	0.000e0	0.00000	0.27900	0.0805
2	Total Tetra-Furans	21.49	1.299e4	1.669e4	1.229e3	1.459e3	0.84	NO	2.688e3	0.66873	0.66900	0.0805
3	Total Tetra-Furans	22.04	3.941e3	6.554e3	4.482e2	6.105e2	0.73	NO	1.059e3	0.26340	0.26300	0.0805
4	Total Tetra-Furans	22.50	3.458e3	6.793e3	3.084e2	5.349e2	0.58	YES	0.000e0	0.00000	0.17600	0.0805
5	Total Tetra-Furans	24.66	4.925e3	5.487e3	3.463e2	3.804e2	0.91	YES	0.000e0	0.00000	0.16800	0.0805
6	Total Tetra-Furans	25.96	3.525e3	6.602e3	2.873e2	3.408e2	0.84	NO	6.281e2	0.15628	0.15600	0.0805

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-12.qld

Last Altered: Tuesday, June 09, 2020 10:42:31 AM Pacific Daylight Time
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Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	1.468e3	2.246e3	1.085e2	8.989e1	1.21	YES	0.000e0	0.00000	0.045000	0.00643

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

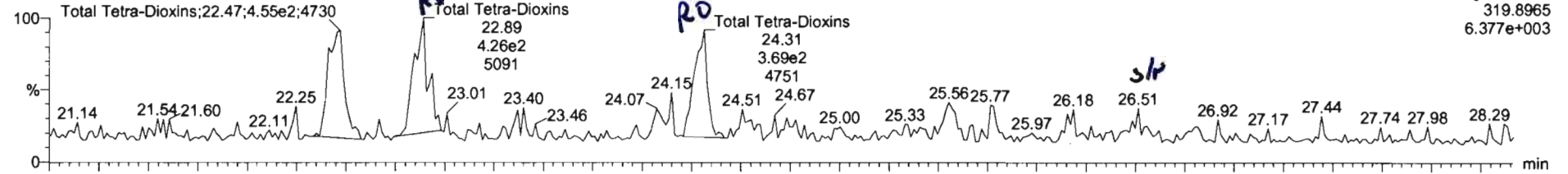
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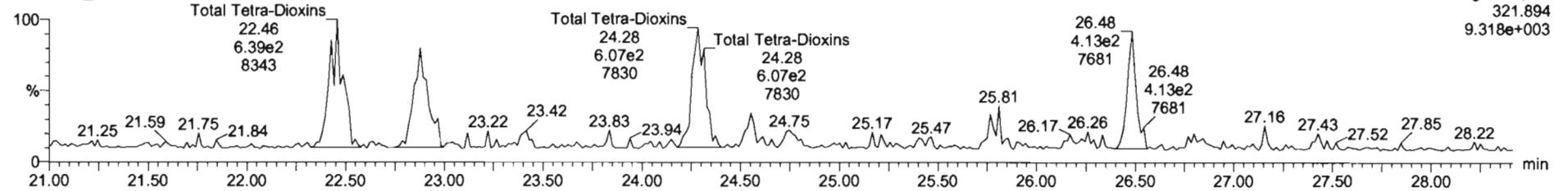
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2,3,7,8-TCDD

200607R1_12

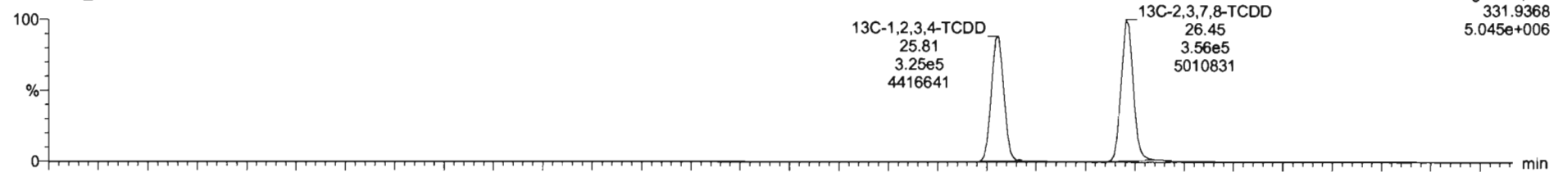


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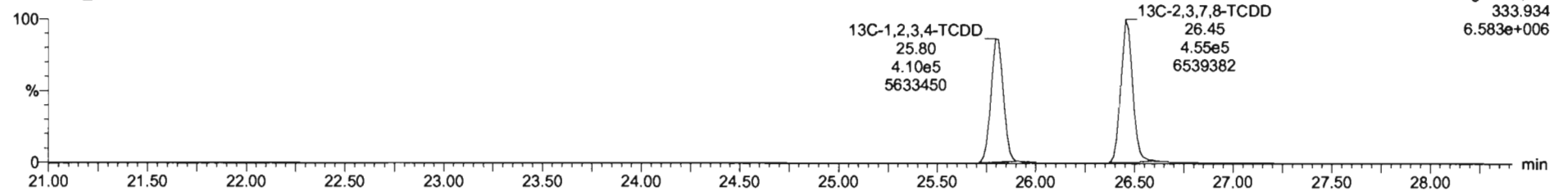


13C-2,3,7,8-TCDD

200607R1_12



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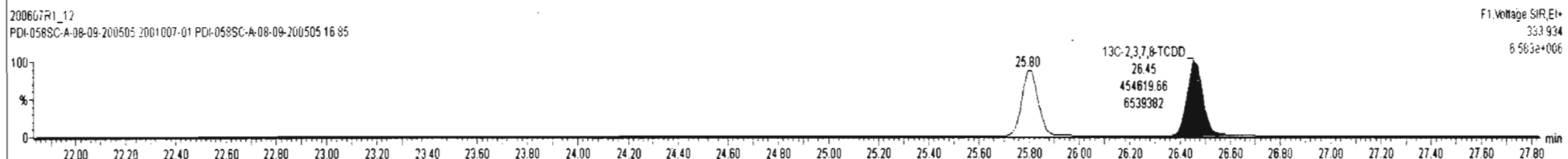
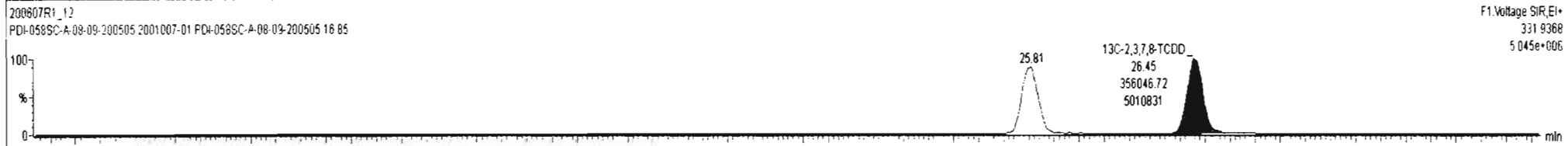
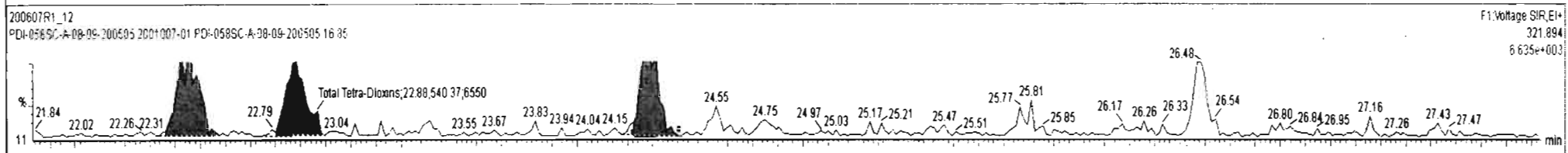
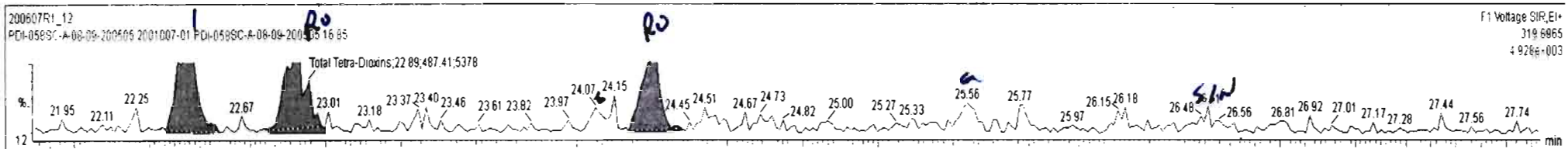
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200607R1_12 - 2001007-01 PDI-058SC-A-08-09-200505 16 85 - PDI-058SC-A-08-09-200505

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.049			0.304		0.0810	0.815
40 Total Penta-Dioxins				0.9081	10.049					0.0374	
41 Total Hexa-Dioxins				0.8923	10.049			0.673		0.0952	0.673
42 Total Hepta-Dioxins				0.8639	10.049			0.000		0.150	1.47
43 Total Tetra-Furans				0.7510	10.049			0.660		0.0805	1.37

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Dioxins	22.47	4.654e2	6.362e2	0.73	NO	0.30446	0.30446
2 Total Tetra-Dioxins	22.89	4.874e2	5.404e2	0.90	YES	0.26435	0.00000
3 Total Tetra-Dioxins	24.31	3.876e2	5.940e2	0.65	YES	0.24626	0.00000



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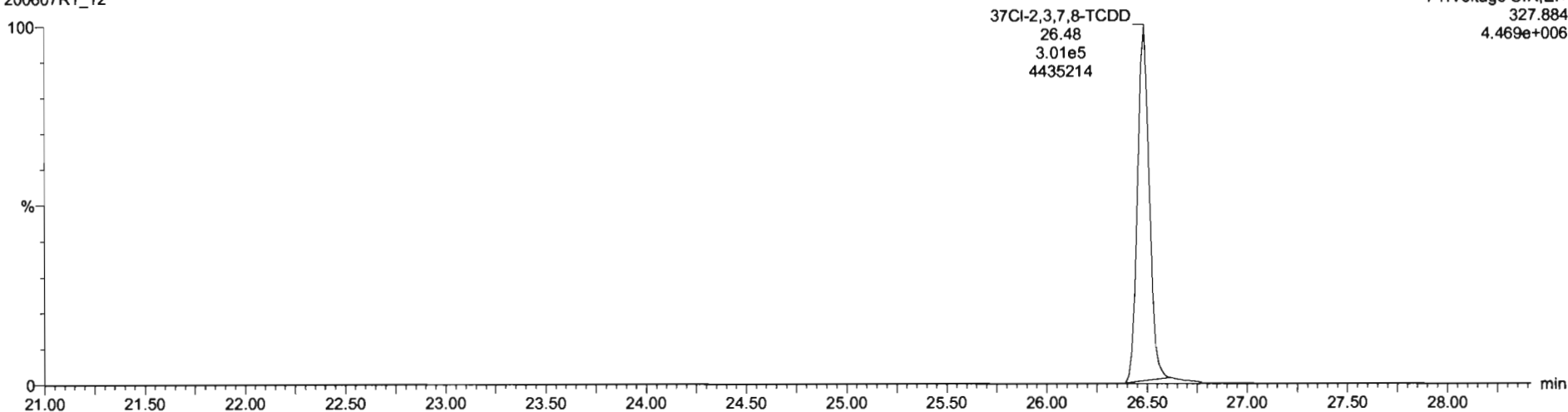
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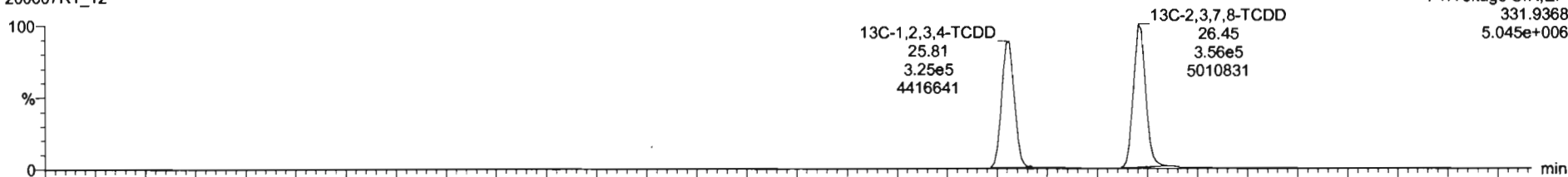
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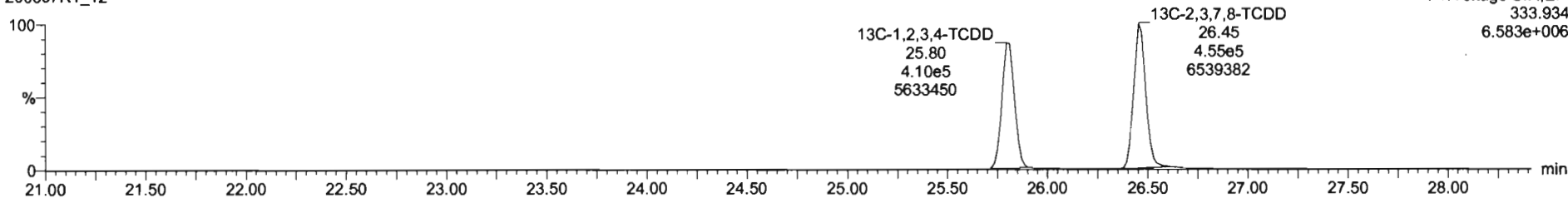


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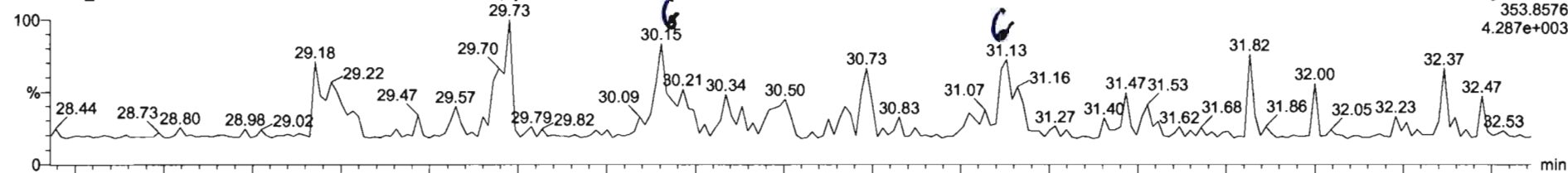
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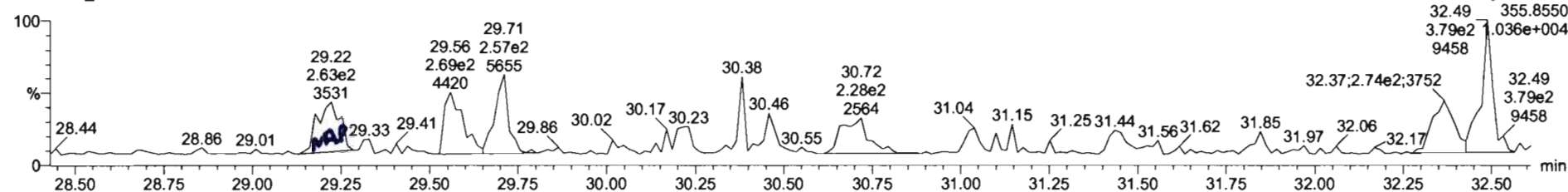
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1,2,3,7,8-PeCDD

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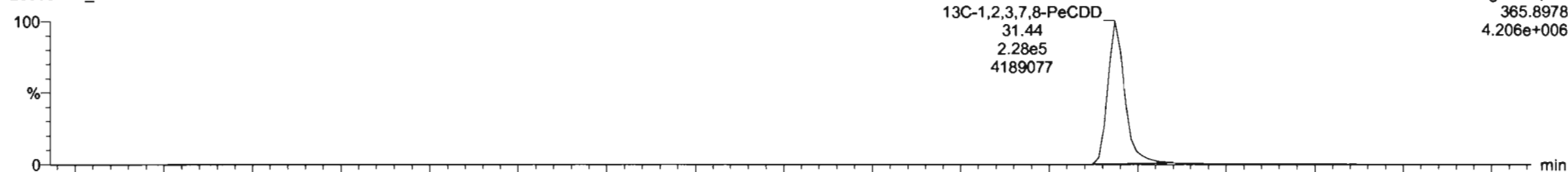


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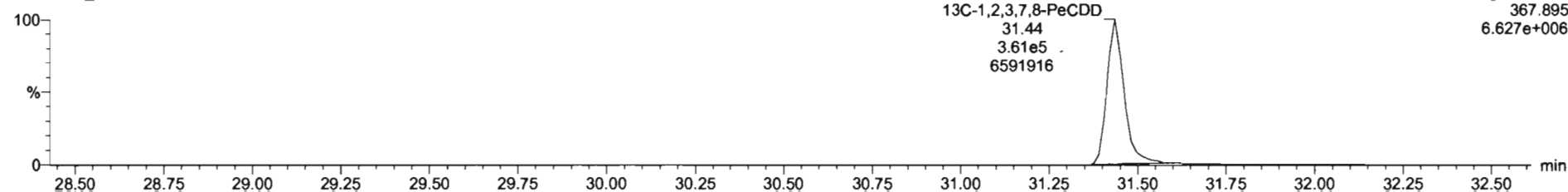


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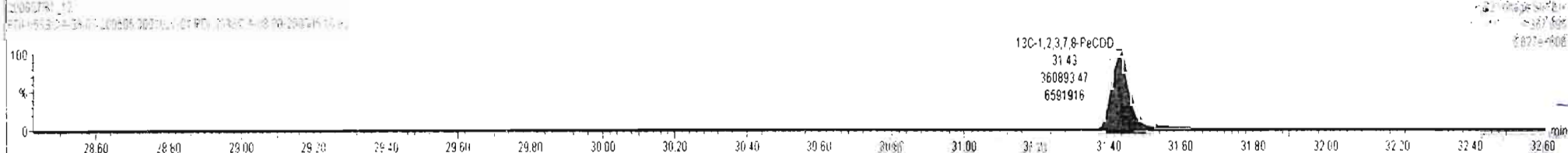
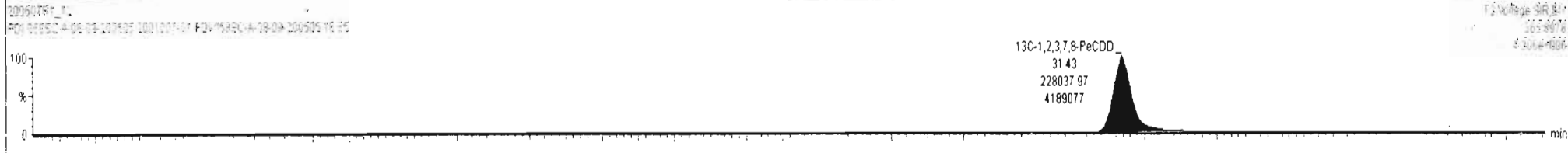
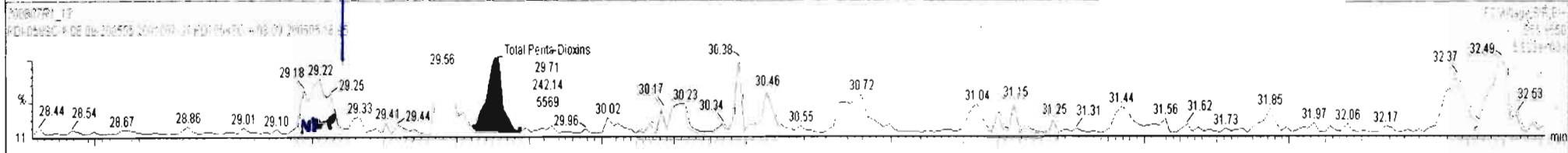
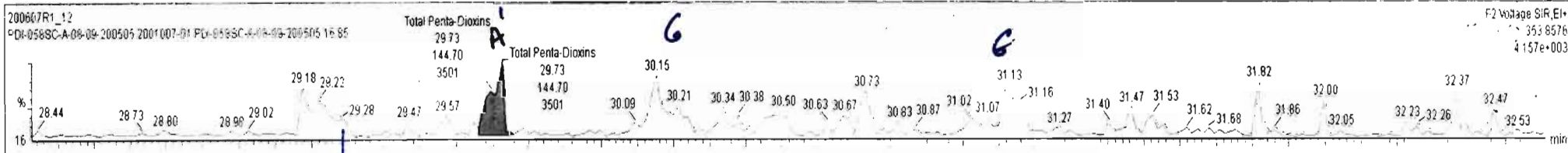


200607R1_12



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.049			0.304		0.0810	0.815
40 Total Penta-Dioxins				0.9081	10.049			0.144		0.0374	0.144
41 Total Hexa-Dioxins				0.8923	10.049			0.673		0.0952	0.673
42 Total Hepta-Dioxins				0.8639	10.049			0.630		0.150	1.47
43 Total Tetra-Furans				0.7510	10.049			0.660		0.0605	1.37

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.73	1.447e2	2.421e2	0.60	NO	0.14397	0.14397



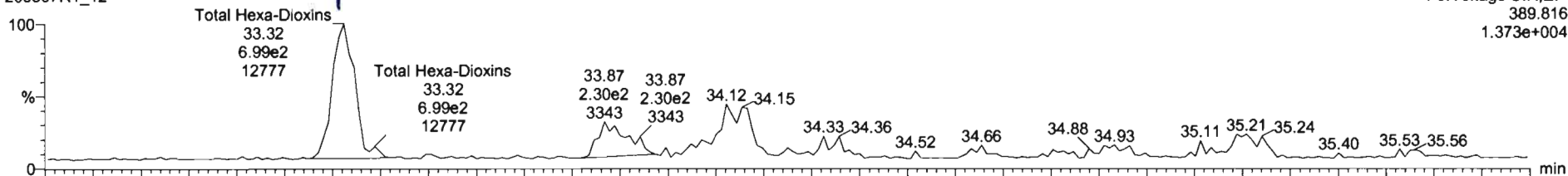
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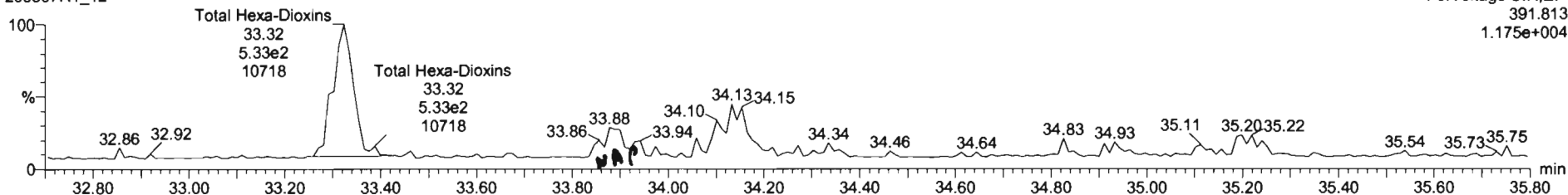
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1,2,3,4,7,8-HxCDD

200607R1_12

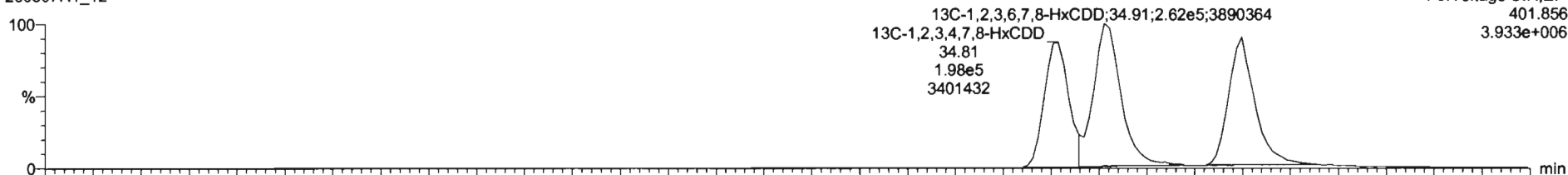


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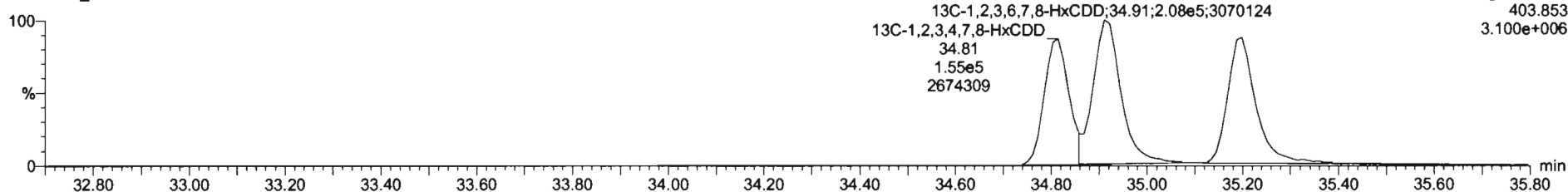


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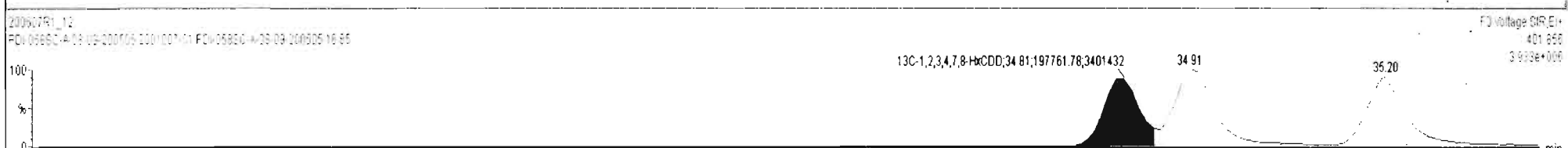
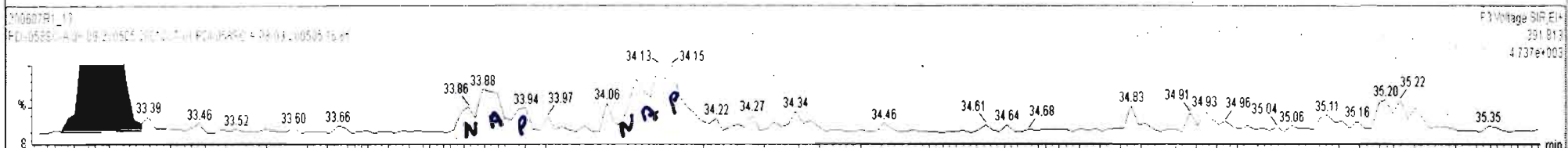
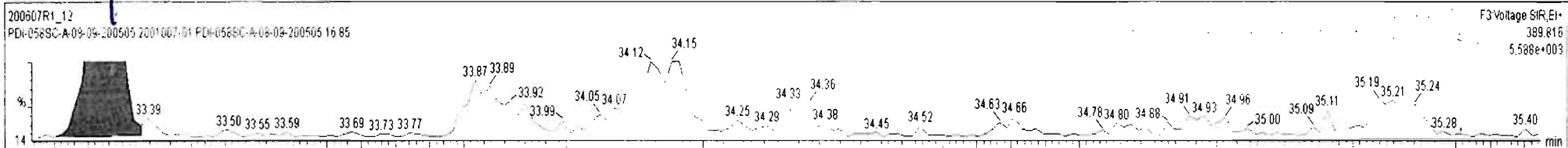




200607R1_12-20060707-01-FD-0568C-A-08-09-20050516-85-FD-0568C-A-08-09-20050516-85

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.049			0.304		0.0810	0.615
40 Total Penta-Dioxins				0.9081	10.049			0.144		0.0374	0.144
41 Total Hexa-Dioxins				0.8923	10.049			0.673		0.0952	0.673
42 Total Hepta-Dioxins				0.8639	10.049			0.000		0.150	1.47
43 Total Tetra-Furans				0.7510	10.049			0.660		0.0605	1.37

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Dioxins	33.32	6.990e2	5.330e2	1.31	NO	0.67322	0.67322



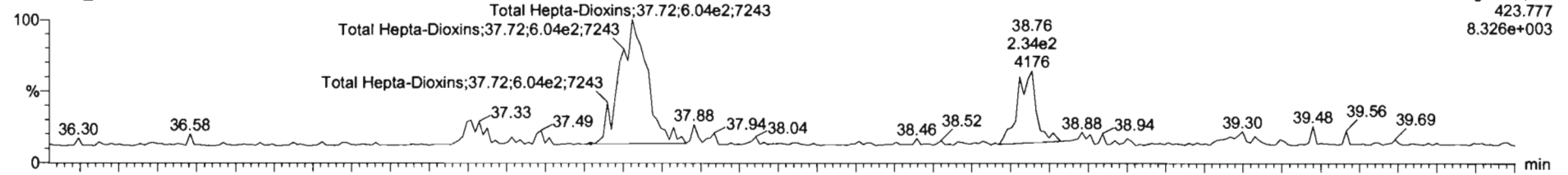
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

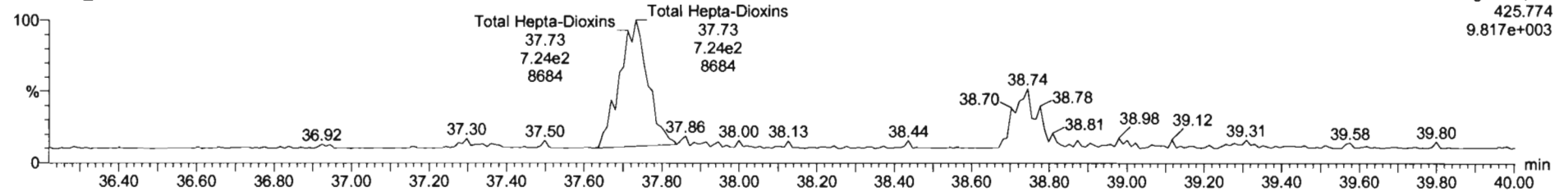
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1,2,3,4,6,7,8-HpCDD

200607R1_12

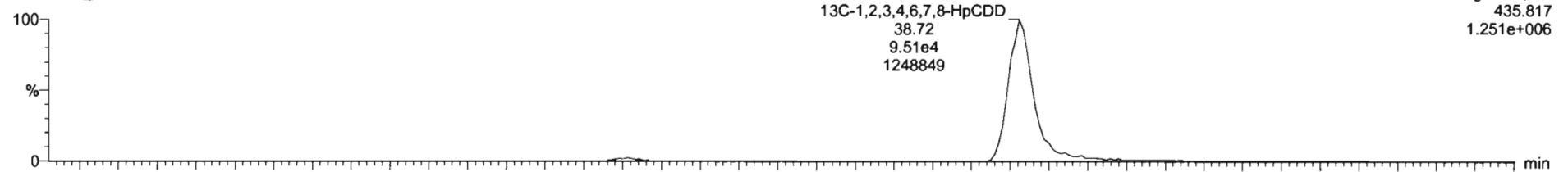


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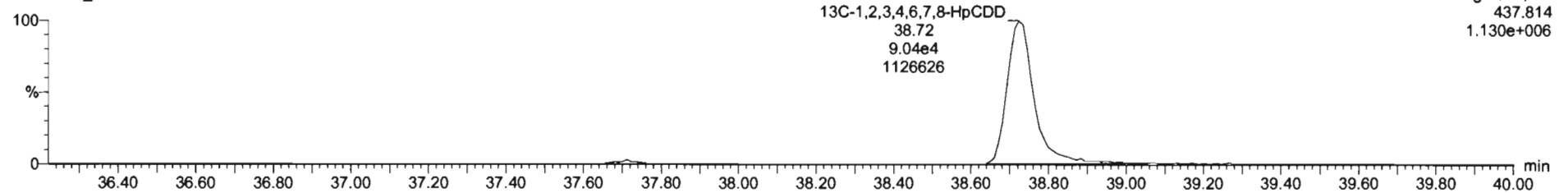


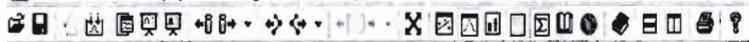
13C-1,2,3,4,6,7,8-HpCDD

200607R1_12



200607R1_12

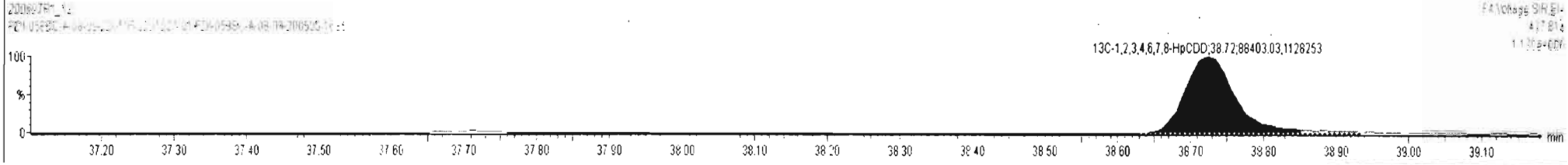
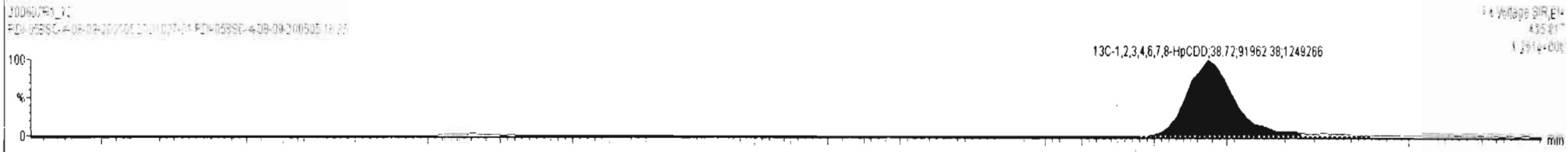
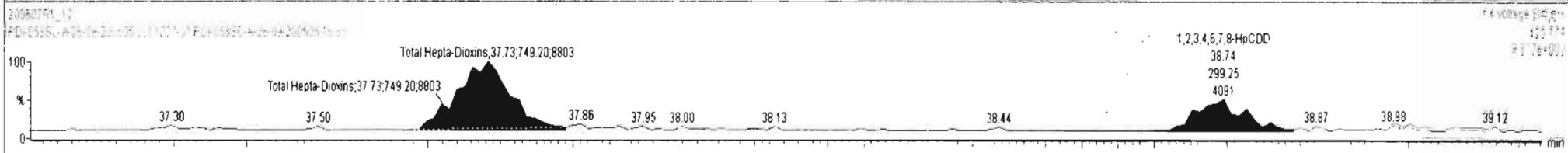
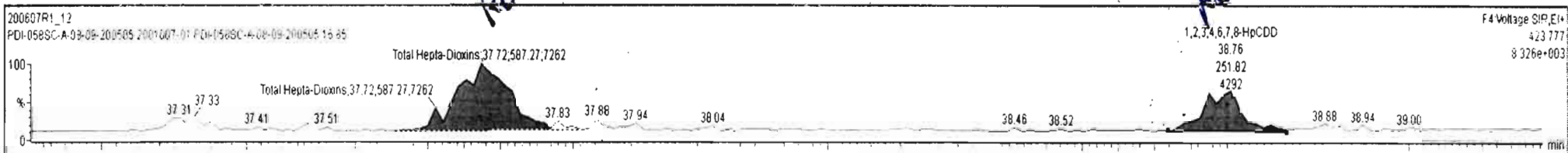




200607R1_12_200100701.FD-058C-A-08-09-200505-13-85.FD-058C-A-08-09-200505-13-85

Name	Resp	RA	nY	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8863	10.049			0.304		0.0610	0.815
40 Total Penta-Dioxins				0.9081	10.049			0.144		0.0374	0.144
41 Total Hexa-Dioxins				0.8923	10.049			0.653		0.0952	0.653
42 Total Hepta-Dioxins				0.8639	10.049			0.000		0.149	2.10
43 Total Tetra-Furans				0.7510	10.049			0.660		0.0805	1.37

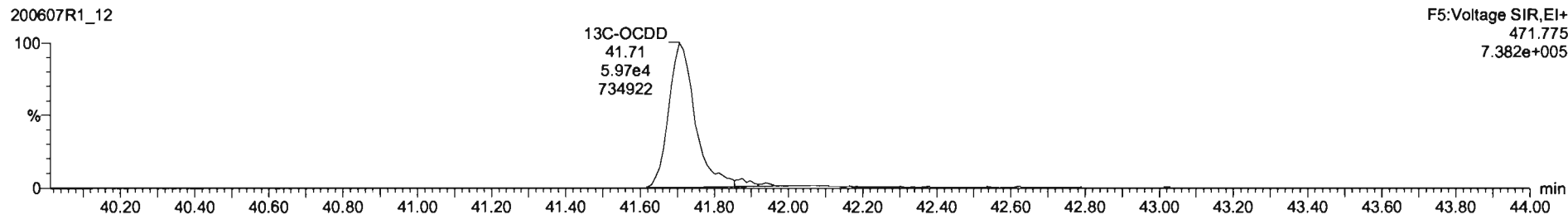
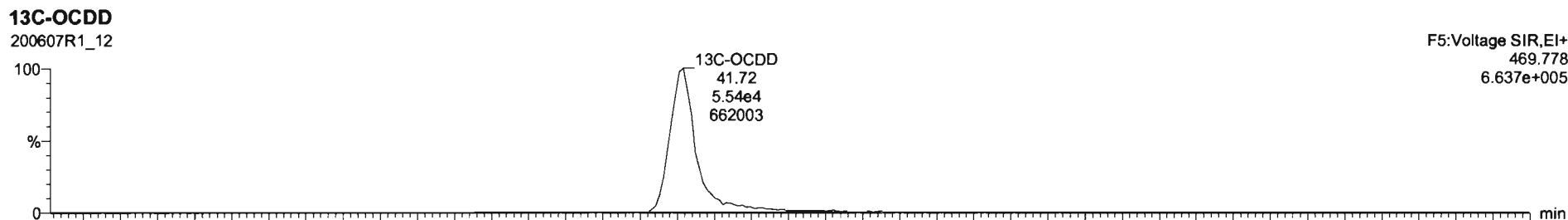
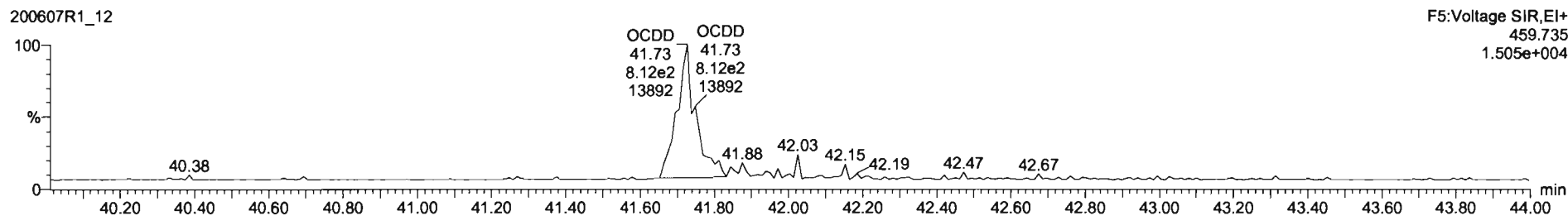
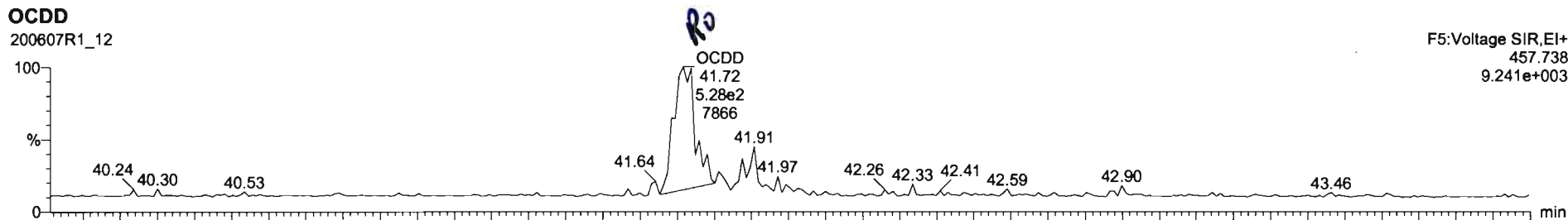
Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
1 Total Hepta-Dioxins	37.72	5.872e2	7.492e2	0.78	YES	1.4714	0.00000
2 1,2,3,4,6,7,8-HpCDD	38.76	2.518e2	2.892e2	0.84	YES	0.63096	0.00000



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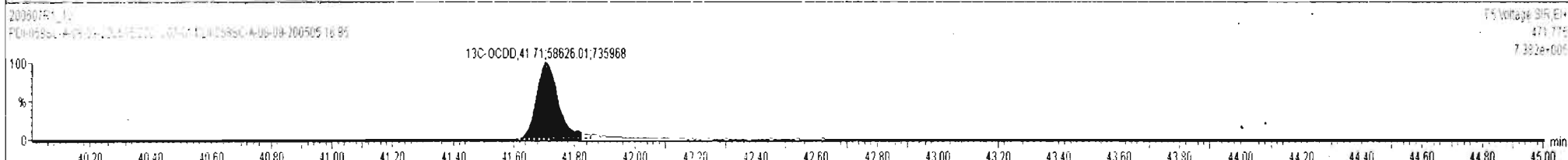
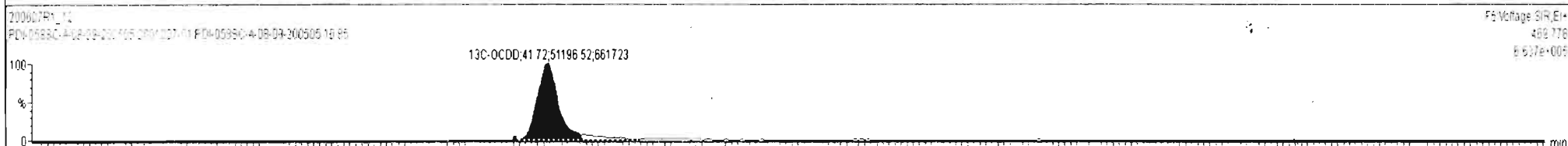
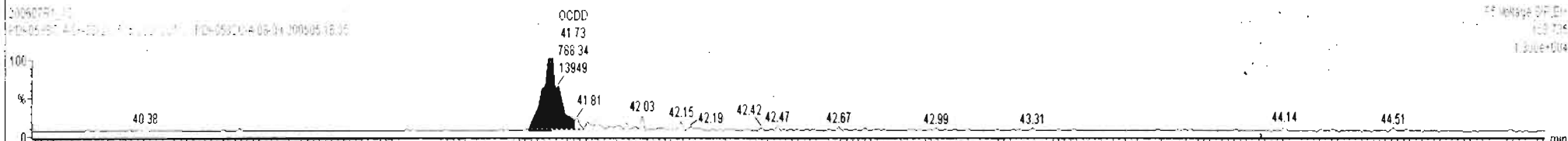
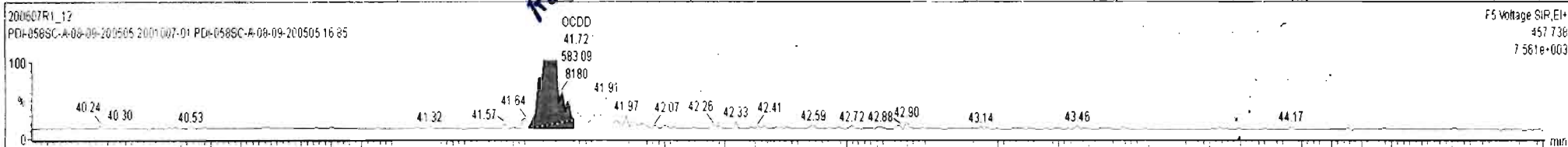
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Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	1.37e3	0.74	YES	0.9136	10.049	41.72	1.000	5.44	0.823	4.91
8	2,3,7,8-TCDF			NO	0.7510	10.049				0.0805	
9	1,2,3,7,8-PeCDF			NO	0.8925	10.049				0.0635	
10	2,3,4,7,8-PeCDF			NO	0.9348	10.049				0.0589	
11	1,2,3,4,7,8-HxCDF			NO	0.8845	10.049				0.0487	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.



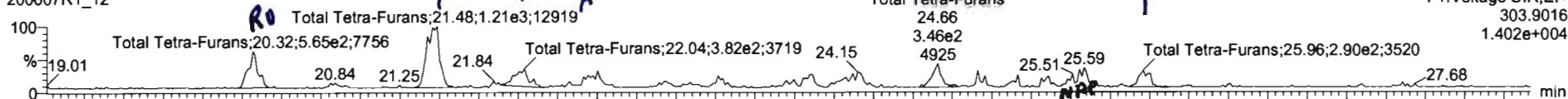
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Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505

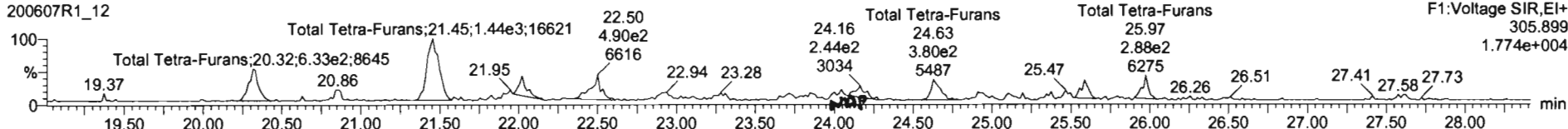
2,3,7,8-TCDF

200607R1_12



F1:Voltage SIR,EI+
303.9016
1.402e+004

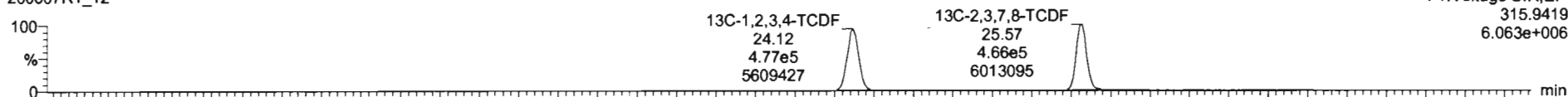
200607R1_12



F1:Voltage SIR,EI+
305.899
1.774e+004

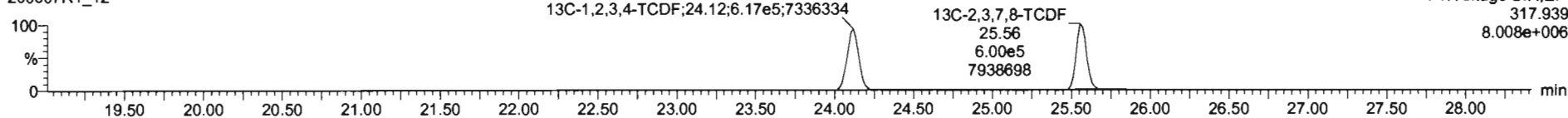
13C-2,3,7,8-TCDF

200607R1_12



F1:Voltage SIR,EI+
315.9419
6.063e+006

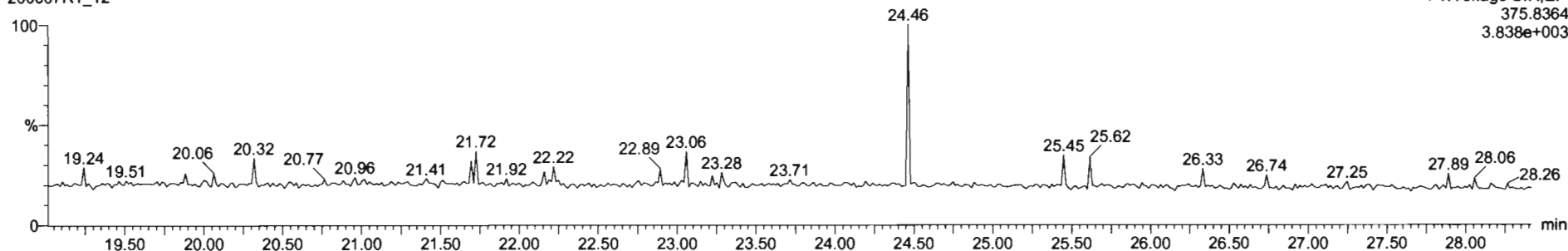
200607R1_12



F1:Voltage SIR,EI+
317.939
8.008e+006

DPE1

200607R1_12



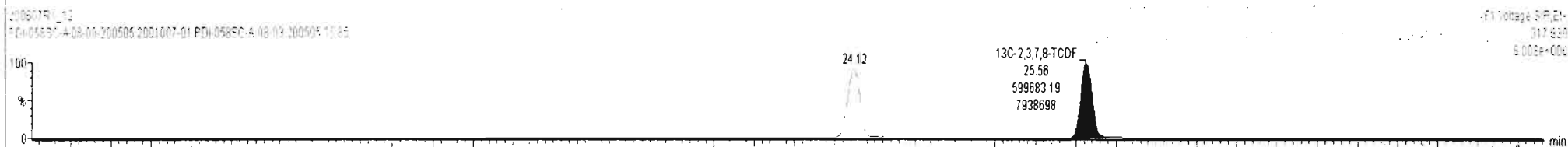
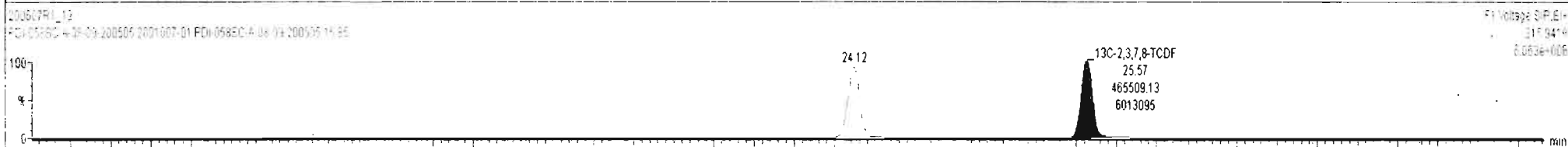
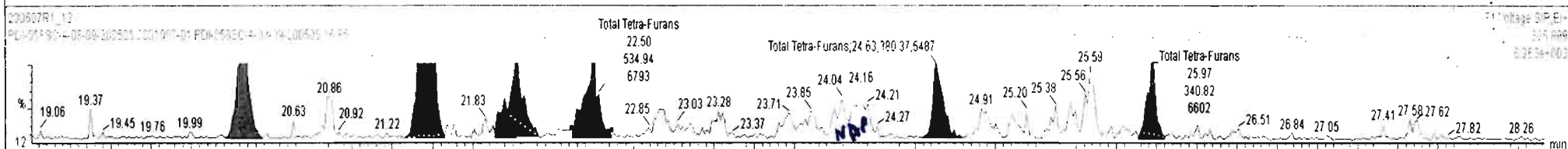
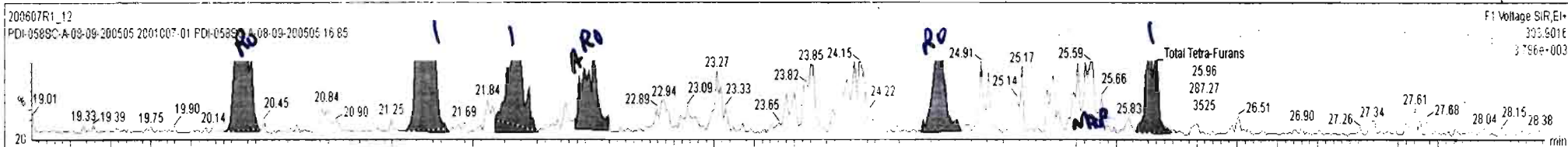
F1:Voltage SIR,EI+
375.8364
3.838e+003



200607R1_12-20060707-01-PDI-0585C-A-08-09-200505-16-85-PDI-0585C-A-08-09-200505-16-85

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.049			1.09		0.0805	1.71
44 1st Func. Penta-Furans				0.8925	10.049					0.00643	
45 Total Penta-Furans				0.8925	10.049					0.0308	
46 Total Hexa-Furans				0.9341	10.049					0.0300	
47 Total Hepta-Furans				0.8734	10.049					0.0281	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	20.32	5.728e2	6.320e2	0.91	YES	0.27870	0.00000
2 Total Tetra-Furans	21.46	1.229e3	1.459e3	0.84	NO	0.66873	0.66873
3 Total Tetra-Furans	22.04	4.482e2	6.105e2	0.73	NO	0.26340	0.26340
4 Total Tetra-Furans	22.50	3.084e2	5.349e2	0.58	YES	0.17639	0.00000
5 Total Tetra-Furans	24.66	3.463e2	3.804e2	0.91	YES	0.16751	0.00000
6 Total Tetra-Furans	25.96	2.873e2	3.408e2	0.84	NO	0.15628	0.15628



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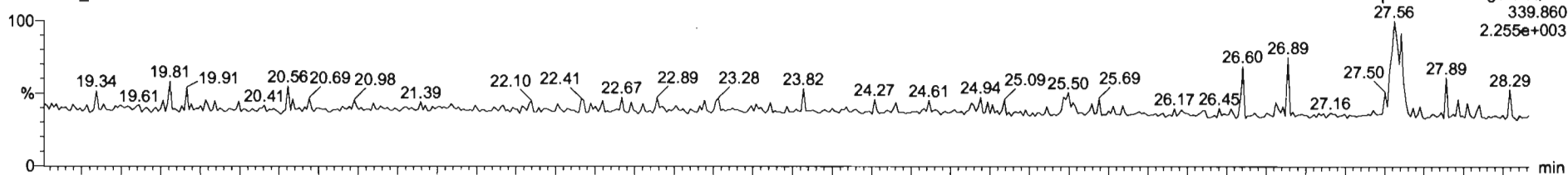
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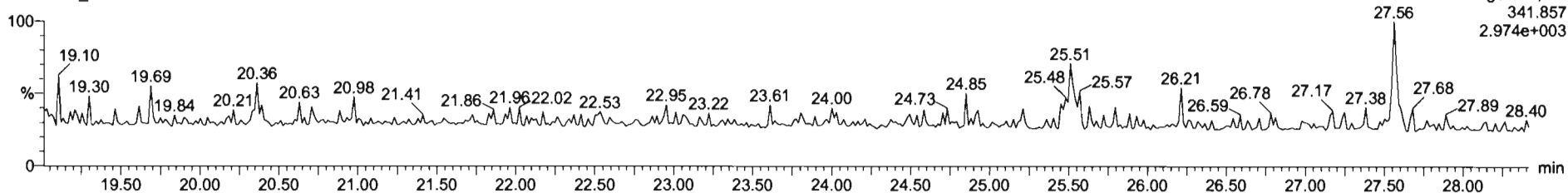
Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505

1st Func. Penta-Furans

200607R1_12

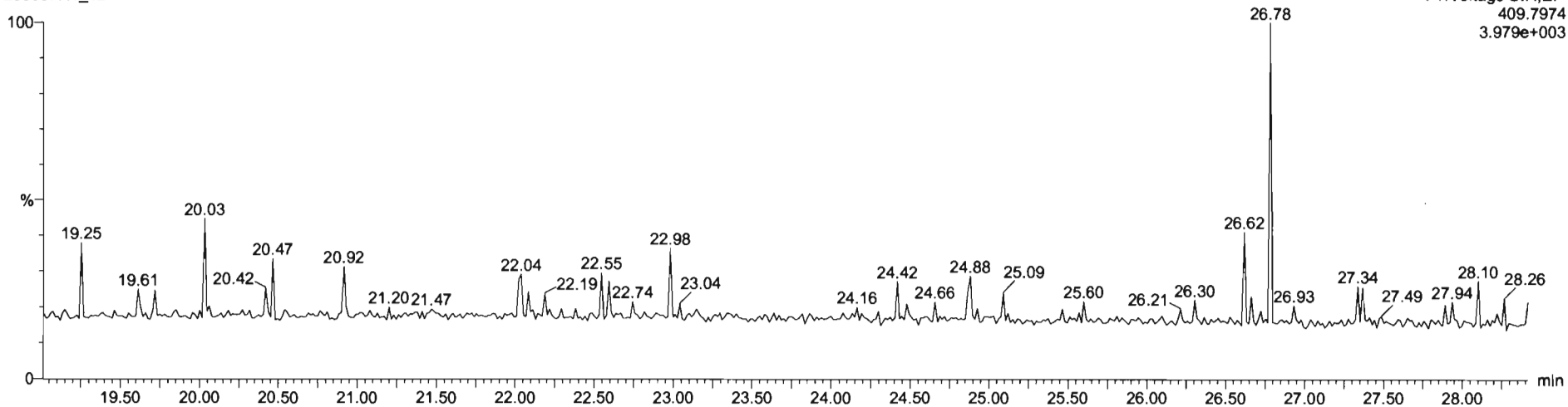


200607R1_12



DPE6

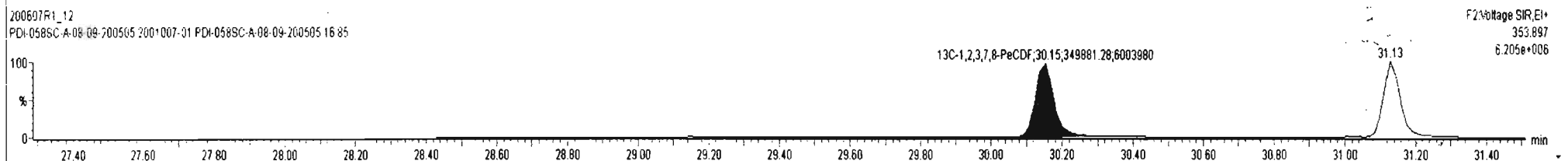
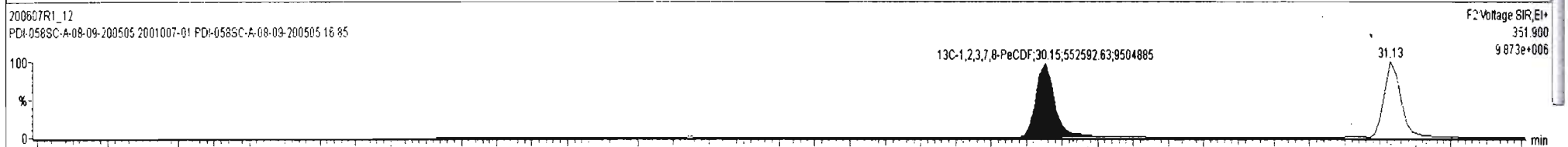
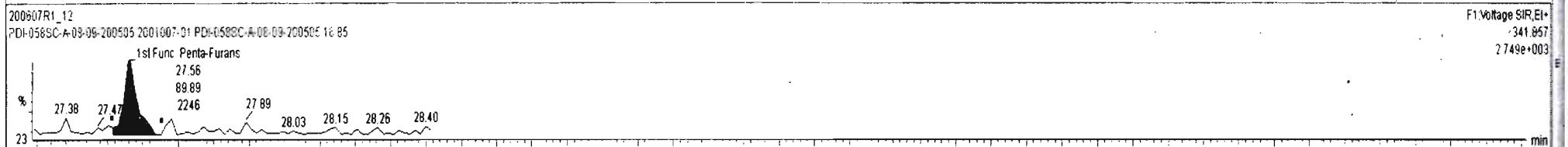
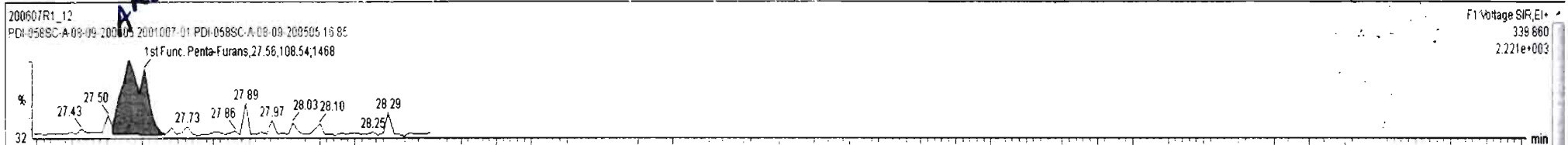
200607R1_12



200607R1_12-2001007-01 PDI-058SC-A-08-09-200505 16.85 - PDI-058SC-A-08-09-200505

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.049			1.09		0.0805	1.71
44 1st Func. Penta-Furans				0.8925	10.049			0.000		0.00643	0.0449
45 Total Penta-Furans				0.8925	10.049					0.0306	
46 Total Hexa-Furans				0.9341	10.049					0.0300	
47 Total Hepta-Furans				0.8734	10.049					0.0281	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1st Func. Penta-Furans	27.56	1.085e2	8.989e1	1.21	YES	0.044881	0.00000



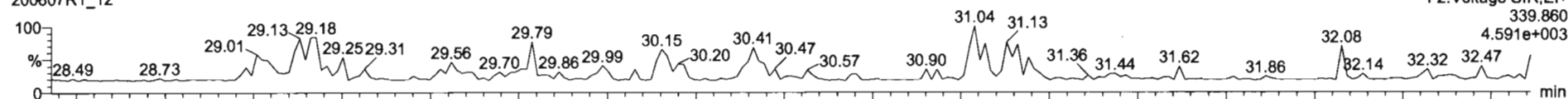
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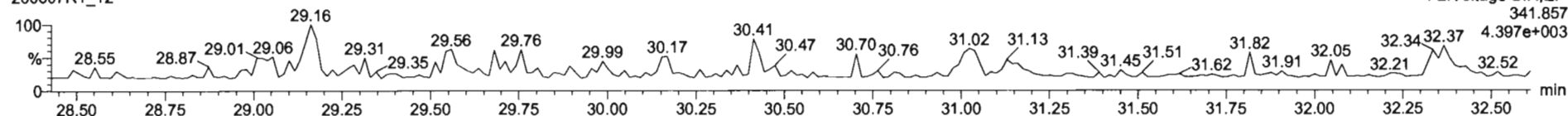
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1,2,3,7,8-PeCDF

200607R1_12

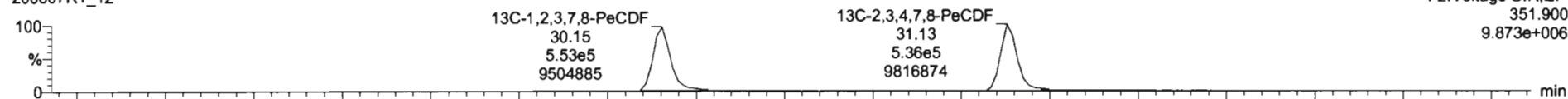


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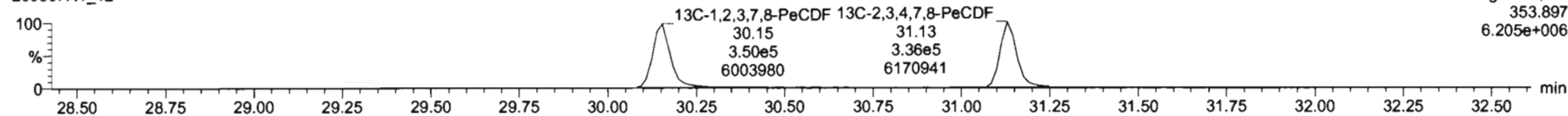


13C-1,2,3,7,8-PeCDF

200607R1_12

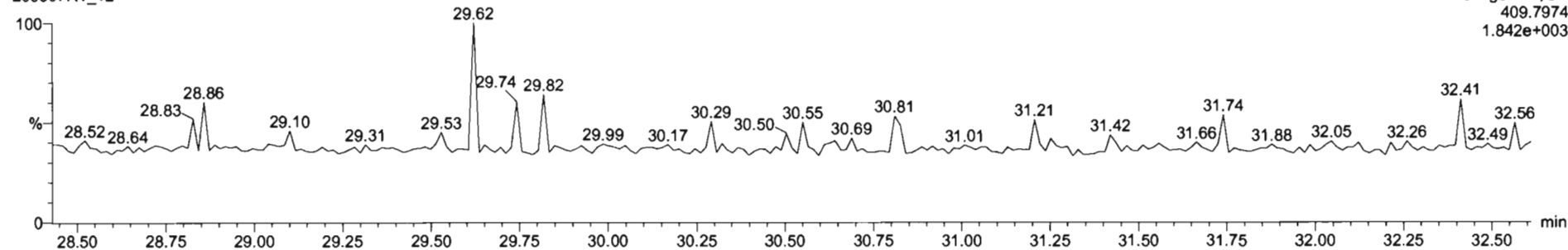


200607R1_12



DPE2

200607R1_12



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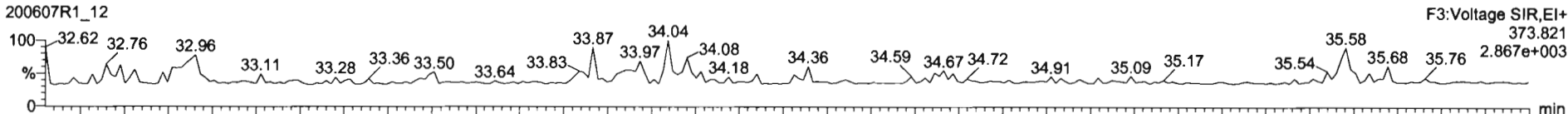
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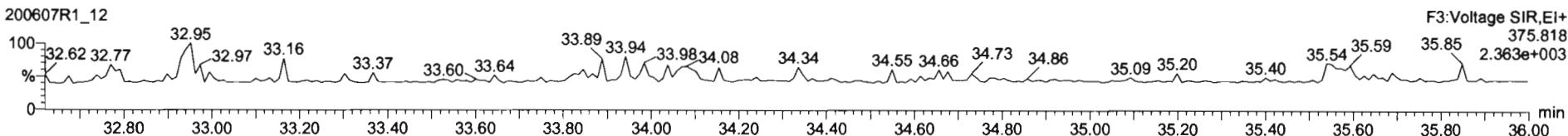
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1,2,3,4,7,8-HxCDF

200607R1_12

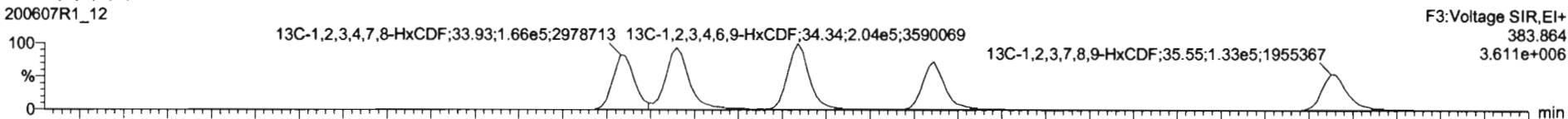


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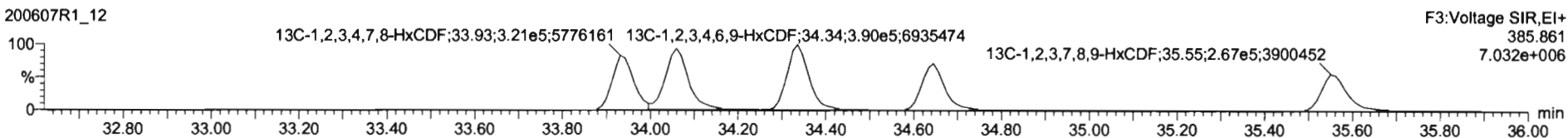


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200607R1_12

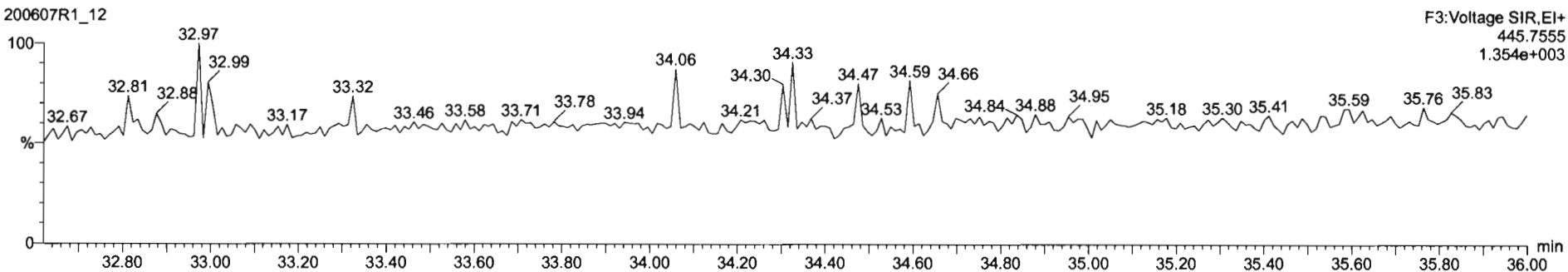


200607R1_12



DPE3

200607R1_12



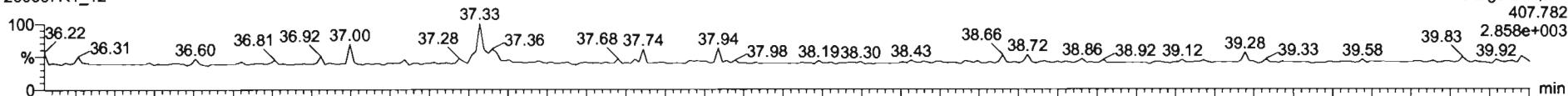
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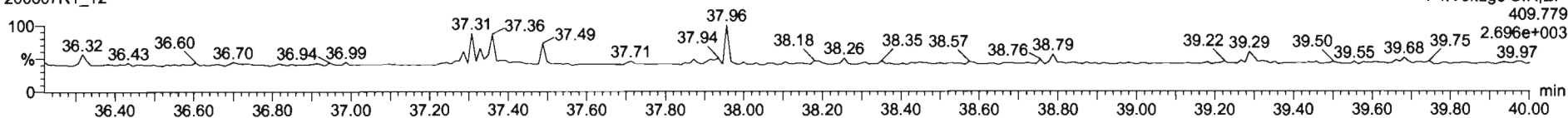
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1,2,3,4,6,7,8-HpCDF

200607R1_12



200607R1_12

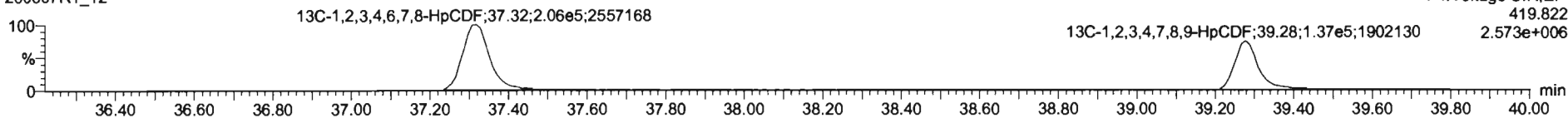


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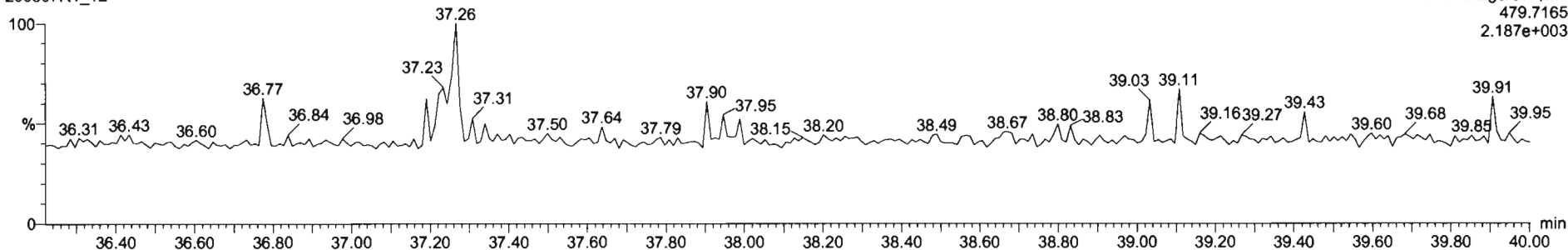


200607R1_12



DPE4

200607R1_12

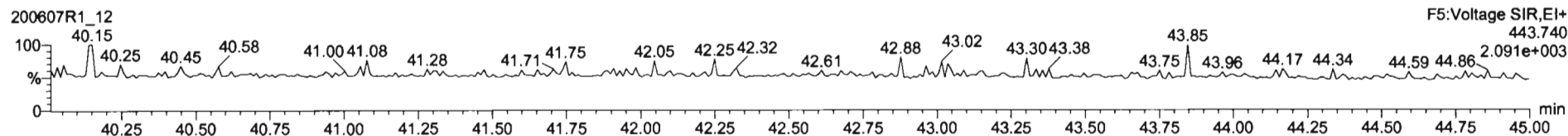
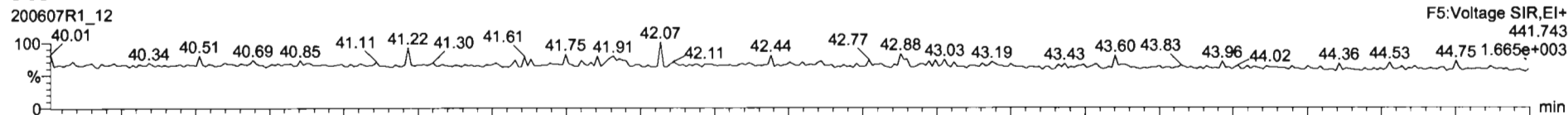


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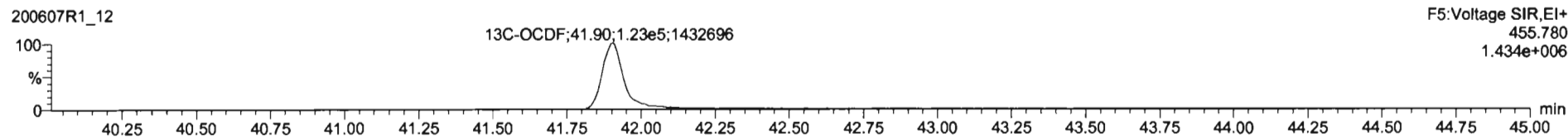
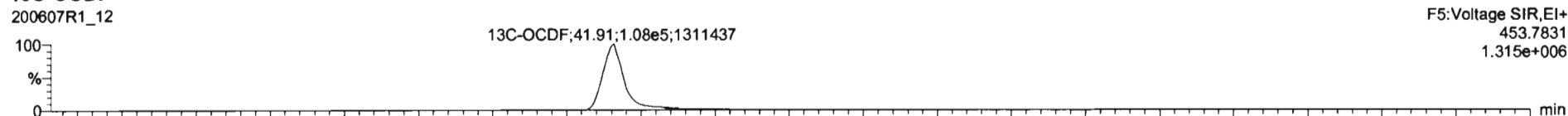
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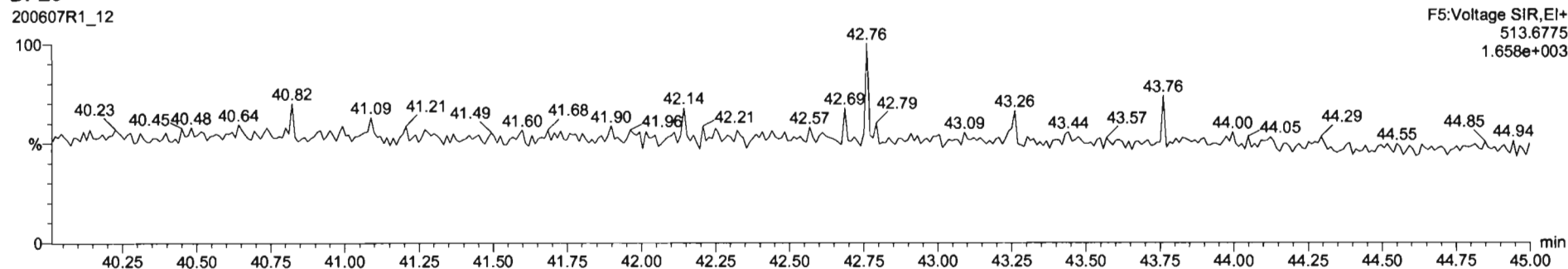
OCDF



13C-OCDF



DPE5

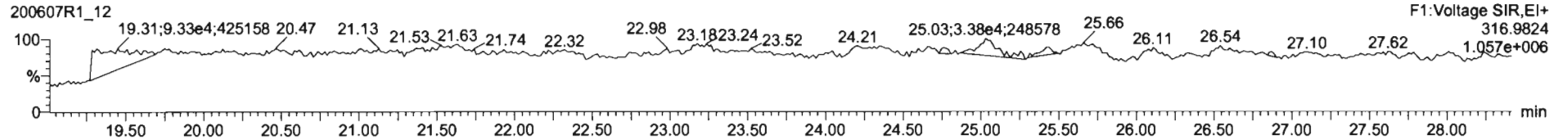


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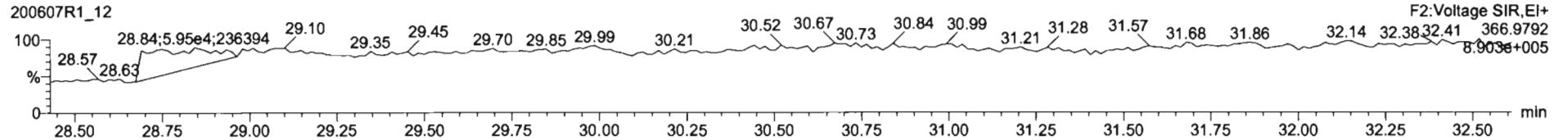
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Name: 200607R1_12, Date: 07-Jun-2020, Time: 17:11:26, ID: 2001007-01 PDI-058SC-A-08-09-200505 16.85, Description: PDI-058SC-A-08-09-200505

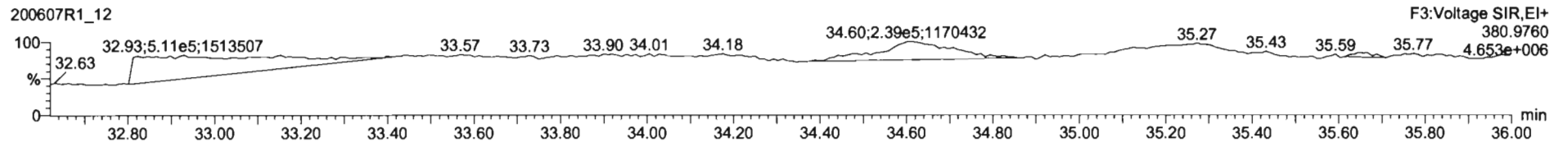
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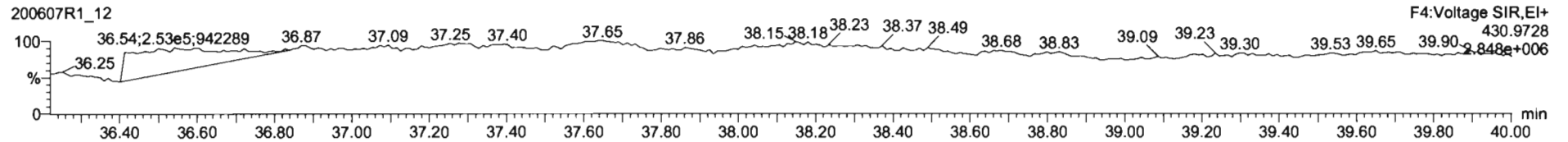
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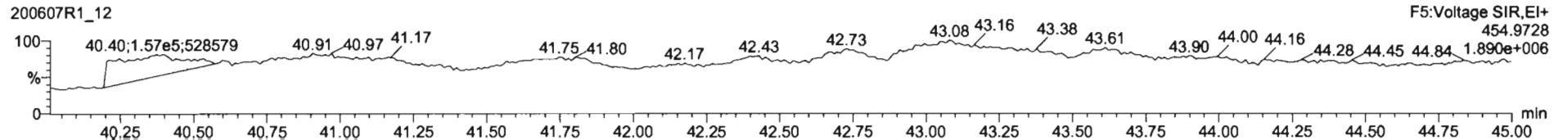
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-13.qld

Last Altered: Tuesday, June 09, 2020 11:34:12 AM Pacific Daylight Time
Printed: Tuesday, June 09, 2020 2:11:21 PM Pacific Daylight Time

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LT 06/25/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.104 ✓	26.486		1.001				0.0700	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.104	31.442		1.001				0.0594	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.104	34.804		1.000				0.0724	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.104	34.900		1.000				0.0740	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.104	35.188		1.000				0.0776	
6	6 1,2,3,4,6,7,8-HpCDD	2.49e2	1.03	NO	0.864	10.104	38.725	38.74	1.000	1.001	0.19322		0.0815	0.193
7	7 OCDD	9.48e2	0.94	NO	0.914	10.104	41.706	41.73	1.000	1.000	0.89143		0.115	0.891
8	8 2,3,7,8-TCDF			NO	0.751	10.104	25.582		1.001				0.0674	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.104	30.160		1.001				0.0455	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.104	31.146		1.001				0.0428	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.104	33.920		1.000				0.0456	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.104	34.047		1.000				0.0415	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.104	34.658		1.001				0.0434	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.104	35.539		1.000				0.0707	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.104	37.344		1.001				0.0470	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.104	39.267		1.000				0.0545	
17	17 OCDF			NO	0.806	10.104	41.898		1.000				0.0899	
18	18 13C-2,3,7,8-TCDD	5.92e5	0.79	NO	1.16	10.104	26.476	26.45	1.026	1.026	139.01	70.2	0.205	
19	19 13C-1,2,3,7,8-PeCDD	4.90e5	0.63	NO	0.849	10.104	31.656	31.42	1.227	1.218	156.71	79.2	0.311	
20	20 13C-1,2,3,4,7,8-HxCDD	3.38e5	1.27	NO	0.779	10.104	34.798	34.79	1.014	1.014	155.41	78.5	0.513	
21	21 13C-1,2,3,6,7,8-HxCDD	4.34e5	1.28	NO	1.02	10.104	34.911	34.90	1.017	1.017	152.91	77.3	0.393	
22	22 13C-1,2,3,7,8,9-HxCDD	4.07e5	1.24	NO	0.903	10.104	35.182	35.18	1.025	1.025	161.77	81.7	0.443	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.95e5	1.04	NO	0.689	10.104	38.703	38.71	1.128	1.128	153.37	77.5	0.499	
24	24 13C-OCDD	4.61e5	0.88	NO	0.652	10.104	41.722	41.71	1.216	1.215	253.49	64.0	0.492	
25	25 13C-2,3,7,8-TCDF	7.39e5	0.79	NO	1.06	10.104	25.519	25.56	0.989	0.991	129.79	65.6	0.282	
26	26 13C-1,2,3,7,8-PeCDF	7.06e5	1.60	NO	0.838	10.104	30.041	30.14	1.165	1.168	156.82	79.2	0.706	
27	27 13C-2,3,4,7,8-PeCDF	6.81e5	1.59	NO	0.817	10.104	30.993	31.11	1.202	1.206	155.08	78.3	0.725	
28	28 13C-1,2,3,4,7,8-HxCDF	4.34e5	0.50	NO	1.01	10.104	33.930	33.92	0.989	0.988	154.45	78.0	0.759	
29	29 13C-1,2,3,6,7,8-HxCDF	5.23e5	0.51	NO	1.17	10.104	34.053	34.04	0.992	0.992	160.55	81.1	0.655	
30	30 13C-2,3,4,6,7,8-HxCDF	4.76e5	0.51	NO	1.02	10.104	34.626	34.62	1.009	1.009	167.06	84.4	0.748	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-13.qld

Last Altered: Tuesday, June 09, 2020 11:34:12 AM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 2:11:21 PM Pacific Daylight Time

Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.75e5	0.51	NO	0.860	10.104	35.525	35.54	1.035	1.036	156.24	78.9	0.889	
32	13C-1,2,3,4,6,7,8-HpCDF	3.31e5	0.42	NO	0.774	10.104	37.272	37.31	1.086	1.087	153.11	77.4	0.494	
33	13C-1,2,3,4,7,8,9-HpCDF	2.22e5	0.43	NO	0.521	10.104	39.300	39.27	1.145	1.144	152.58	77.1	0.734	
34	13C-OCDF	5.66e5	0.87	NO	0.746	10.104	41.894	41.90	1.221	1.221	272.11	68.7	0.575	
35	37Cl-2,3,7,8-TCDD	2.23e5			1.04	10.104	26.507	26.47	1.028	1.026	58.511	73.9	0.0545	
36	13C-1,2,3,4-TCDD	7.28e5	0.80	NO	1.00	10.104	25.890	25.80	1.000	1.000	197.94	100	0.237	
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.00	10.104	24.360	24.10	1.000	1.000	197.94	100	0.298	
38	13C-1,2,3,4,6,9-HxCDF	5.52e5	0.50	NO	1.00	10.104	34.420	34.31	1.000	1.000	197.94	100	0.764	
39	Total Tetra-Dioxins				0.888	10.104	24.620		0.000				0.0407	
40	Total Penta-Dioxins				0.908	10.104	29.960		0.000				0.0259	
41	Total Hexa-Dioxins				0.892	10.104	33.635		0.000		0.11201		0.0386	0.112
42	Total Hepta-Dioxins				0.864	10.104	37.640		0.000		0.19322		0.0815	0.366
43	Total Tetra-Furans				0.751	10.104	23.610		0.000		0.16859		0.0674	0.169
44	1st Func. Penta-Furans				0.893	10.104	27.580		0.000				0.00778	
45	Total Penta-Furans				0.893	10.104	29.275		0.000				0.0212	
46	Total Hexa-Furans				0.934	10.104	33.555		0.000				0.0303	
47	Total Hepta-Furans				0.873	10.104	37.835		0.000				0.0252	

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Dataset: U:\VG12.PRO\Results\200607R1\200607R1-13.qld

Last Altered: Tuesday, June 09, 2020 11:34:12 AM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 2:11:21 PM Pacific Daylight Time

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

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

Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	3.509e3	1.951e3	1.131e2	8.518e1	1.33	NO	1.983e2	0.11201	0.11200	0.0386

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.70	1.958e3	2.386e3	1.483e2	1.090e2	1.36	YES	0.000e0	0.00000	0.17300	0.0815
2	1,2,3,4,6,7,8-HpCDD	38.74	1.627e3	2.553e3	1.260e2	1.226e2	1.03	NO	2.486e2	0.19322	0.19300	0.0815

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.44	2.899e3	2.636e3	2.101e2	2.625e2	0.80	NO	4.726e2	0.16859	0.16900	0.0674

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-13.qld

Last Altered: Tuesday, June 09, 2020 11:34:12 AM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 2:11:21 PM Pacific Daylight Time

Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

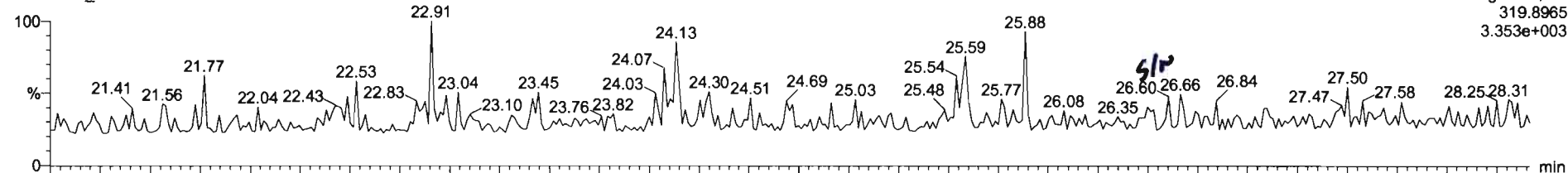
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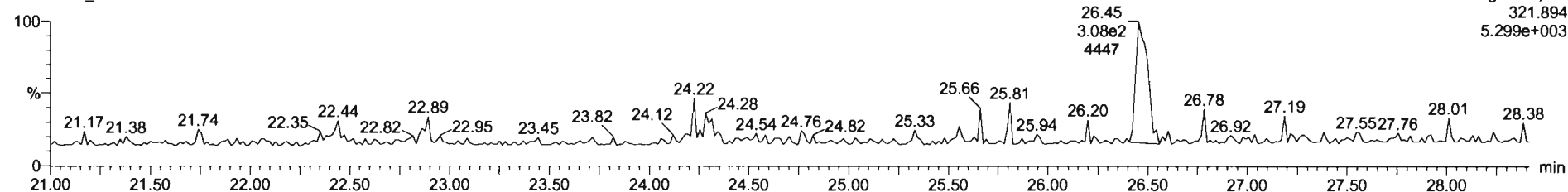
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2,3,7,8-TCDD

200607R1_13

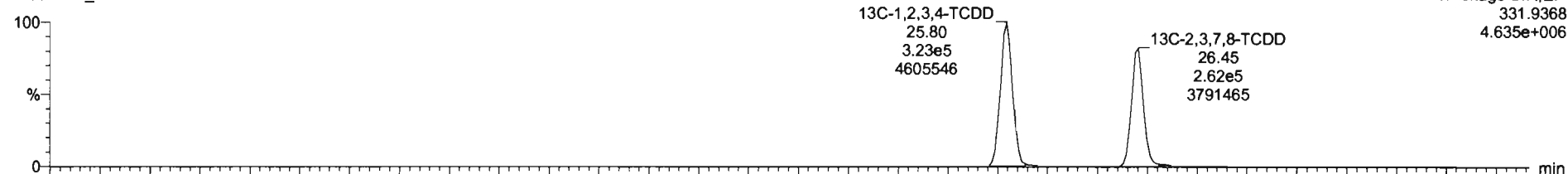


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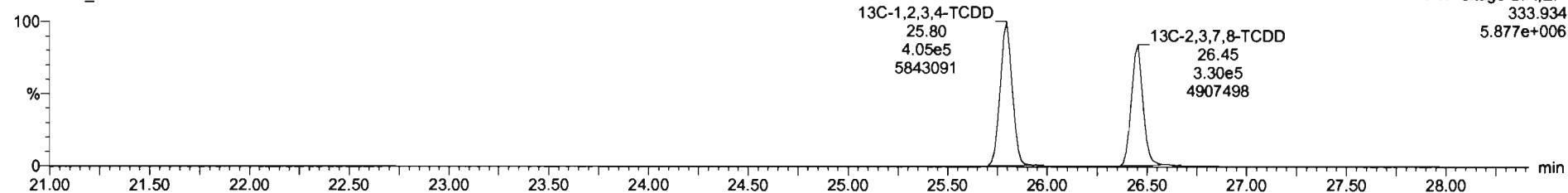


13C-2,3,7,8-TCDD

200607R1_13



200607R1_13



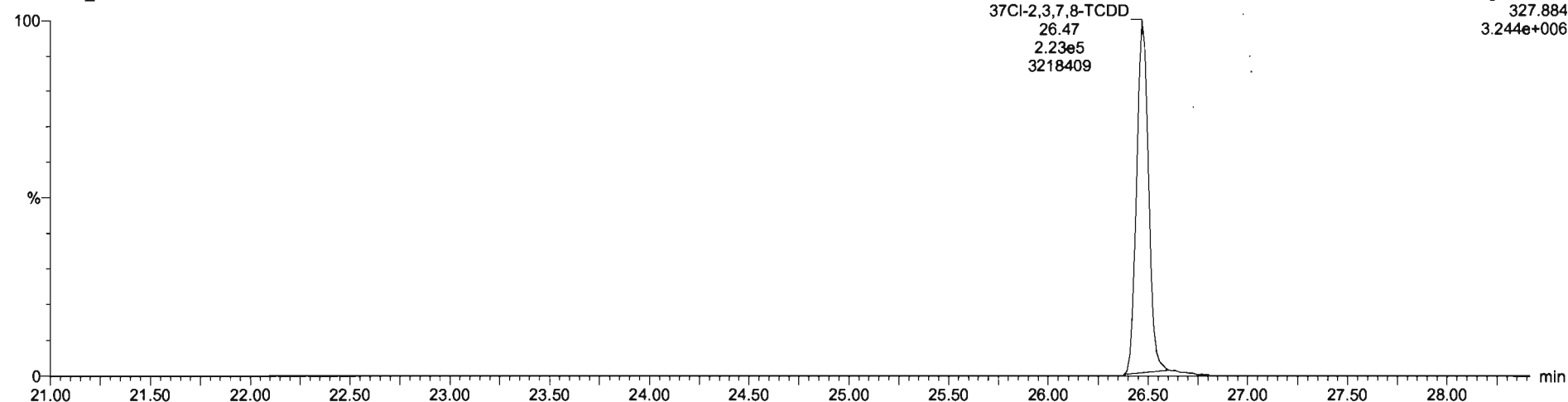
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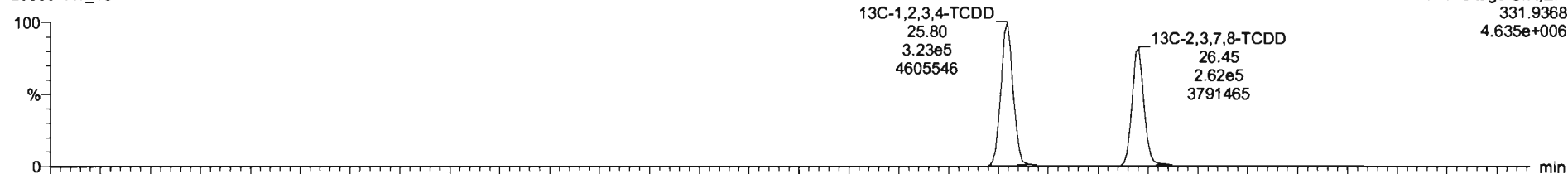
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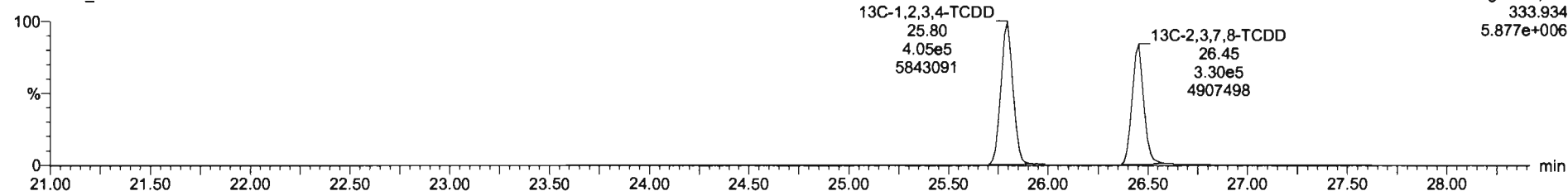


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200607R1_13



200607R1_13



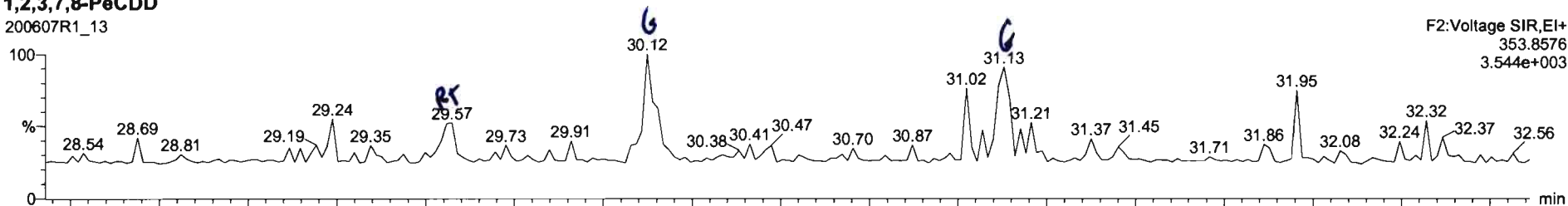
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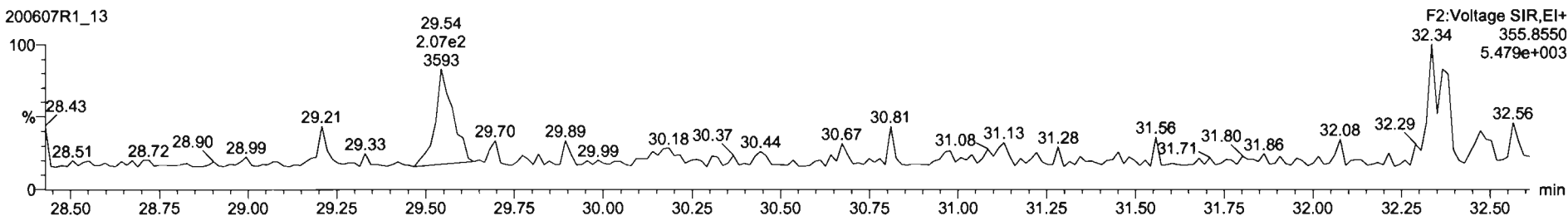
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1,2,3,7,8-PeCDD

200607R1_13

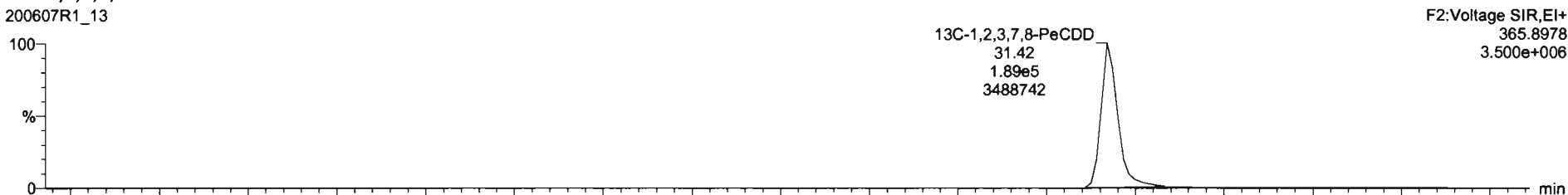


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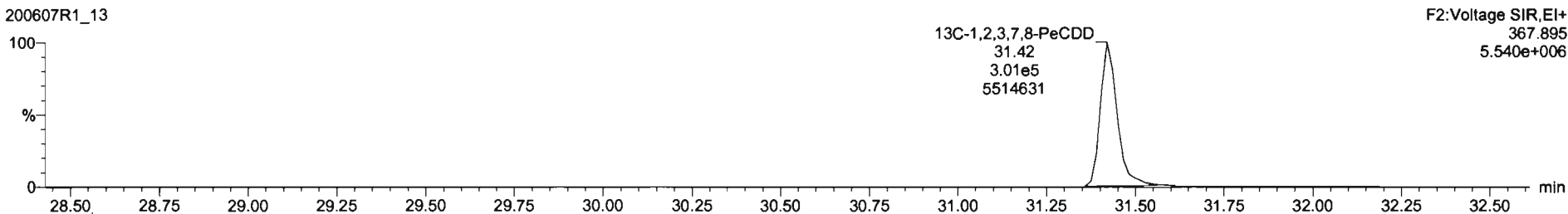


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200607R1_13



200607R1_13



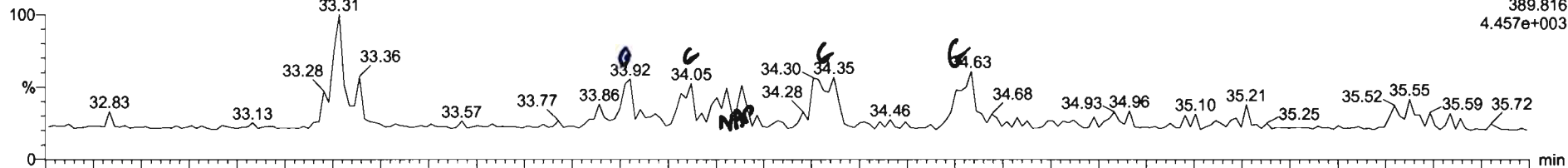
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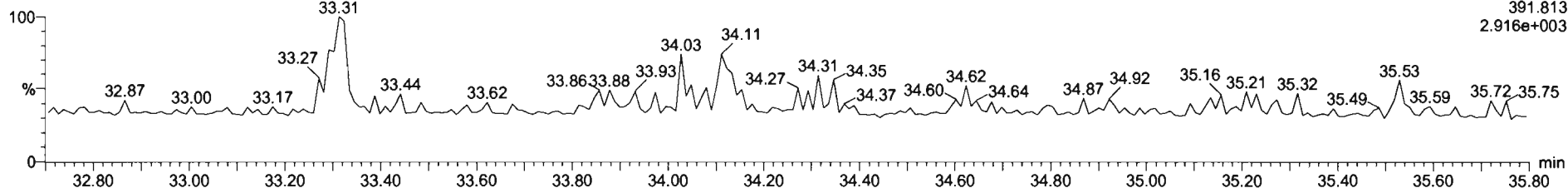
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1,2,3,4,7,8-HxCDD

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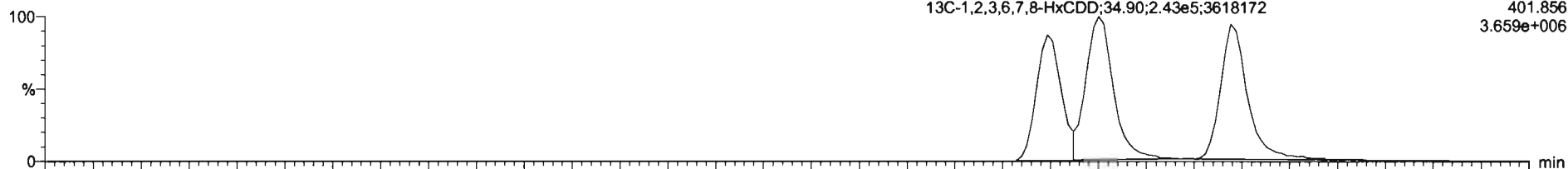


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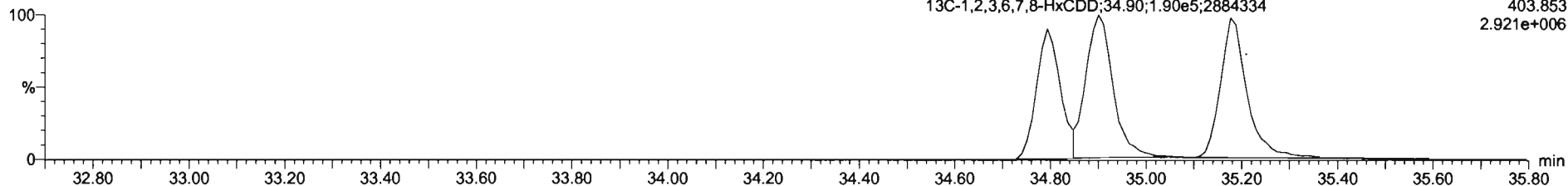


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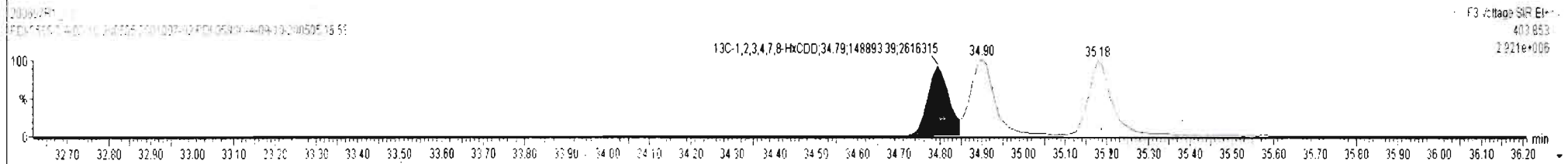
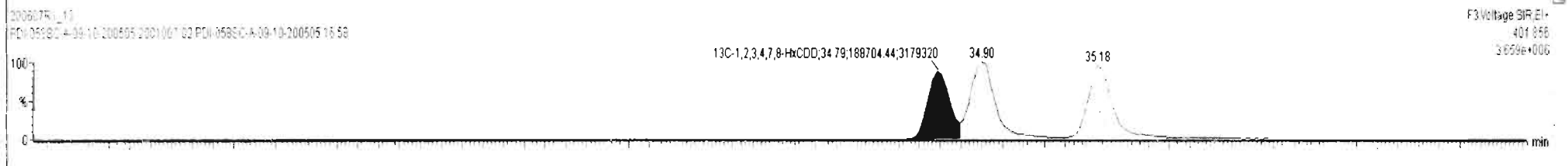
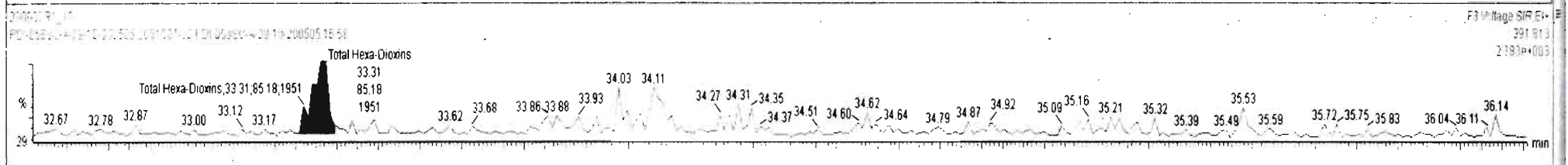
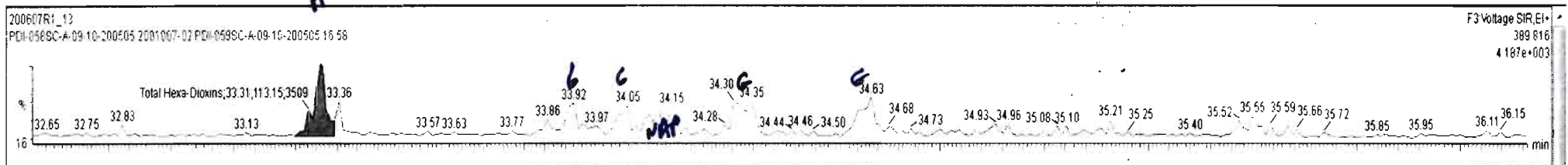


200607R1_13



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.104					0.0407	
40 Total Penta-Dioxins				0.9081	10.104					0.0259	
41 Total Hexa-Dioxins				0.8923	10.104			0.112		0.0386	0.112
42 Total Hepta-Dioxins				0.8639	10.104					0.0815	
43 Total Tetra-Furans				0.7510	10.104					0.0322	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	1.131e2	8.518e1	1.33	NO	0.11201	0.11201



Dataset: Untitled

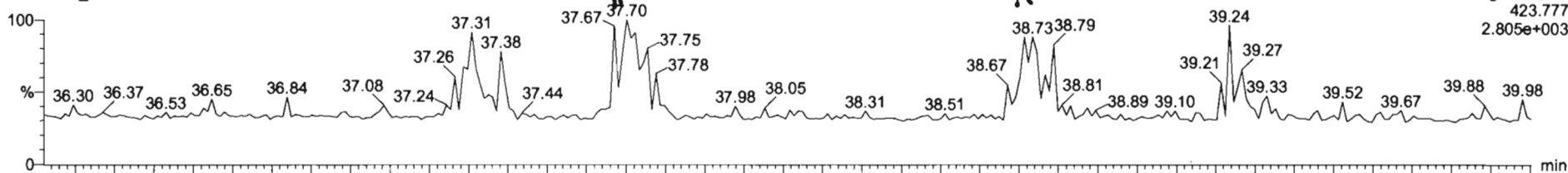
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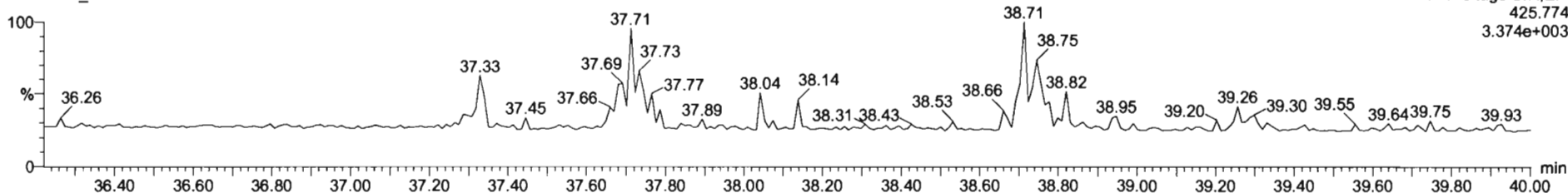
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1,2,3,4,6,7,8-HpCDD

200607R1_13

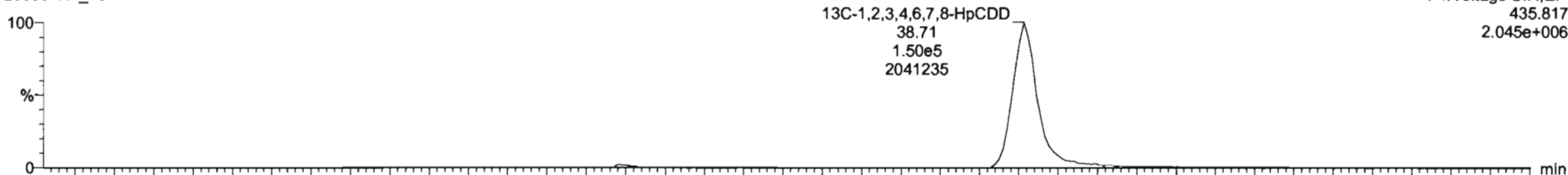


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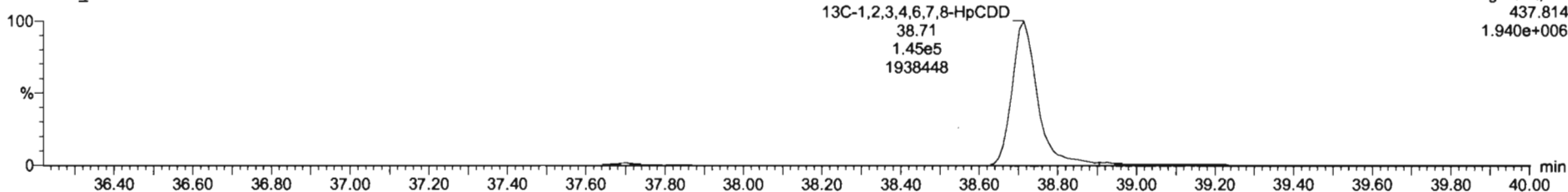


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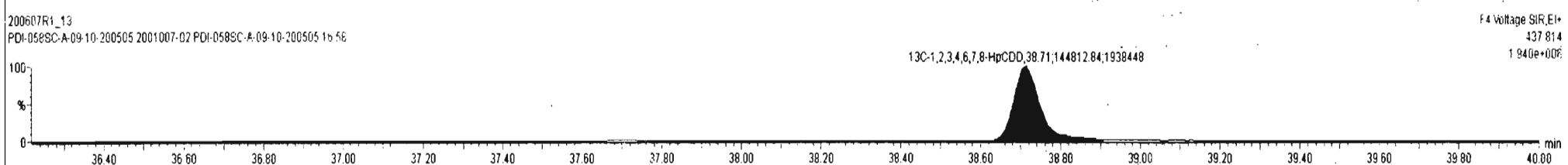
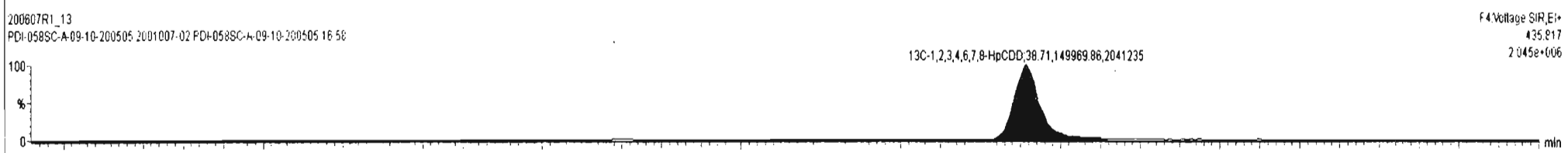
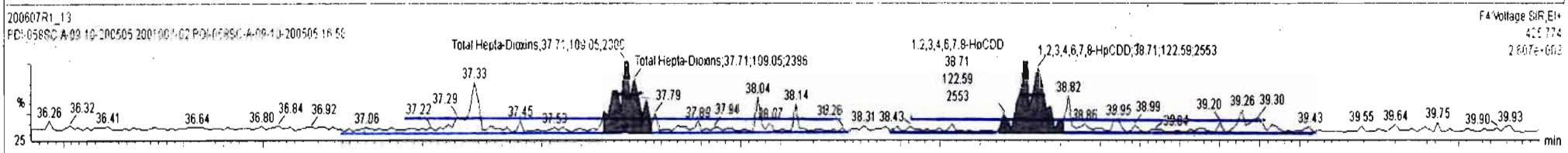
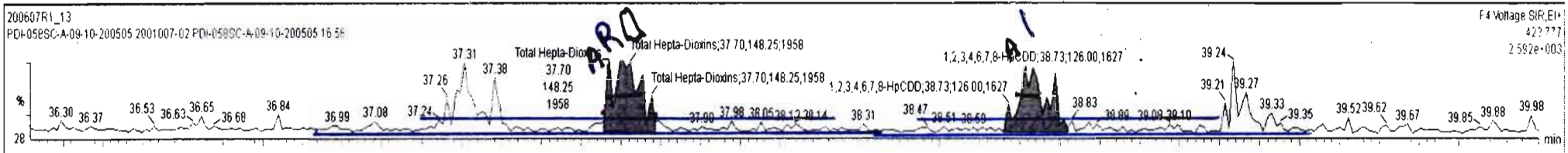


200607R1_13



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.104					0.0407	
40 Total Penta-Dioxins				0.9081	10.104					0.0259	
41 Total Hexa-Dioxins				0.8923	10.104			0.112		0.0386	0.112
42 Total Hepta-Dioxins				0.8639	10.104			0.193		0.0815	0.366
43 Total Tetra-Furans				0.7510	10.104					0.0322	

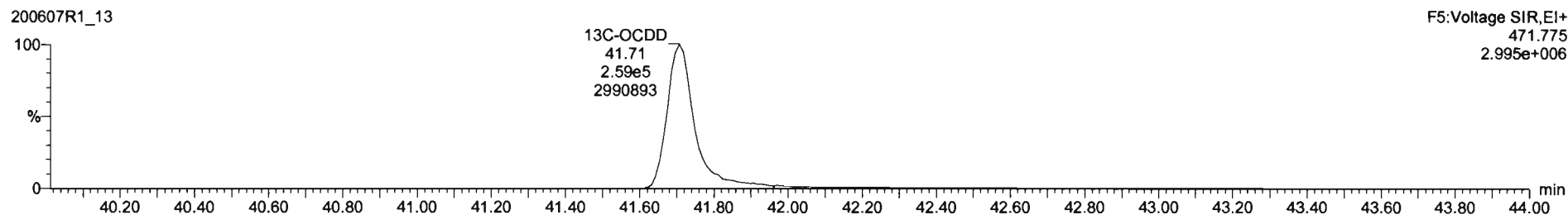
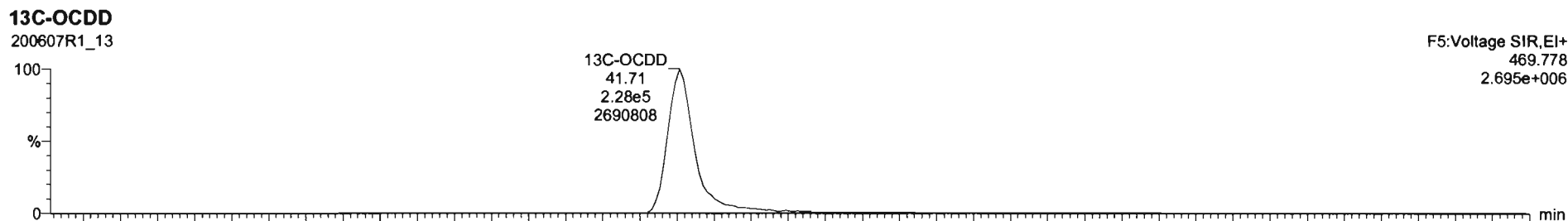
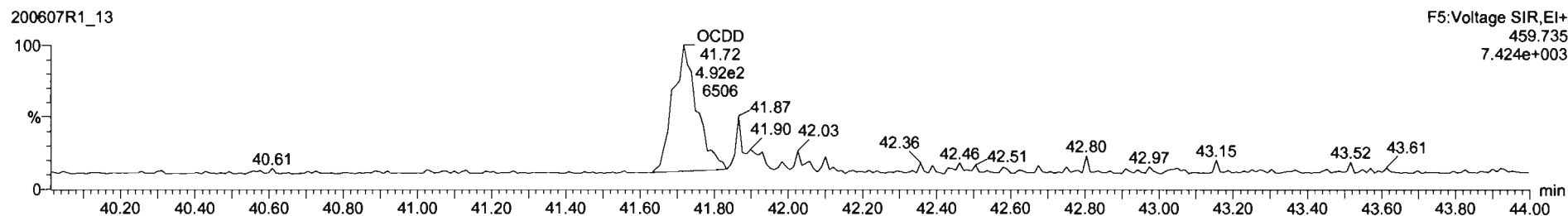
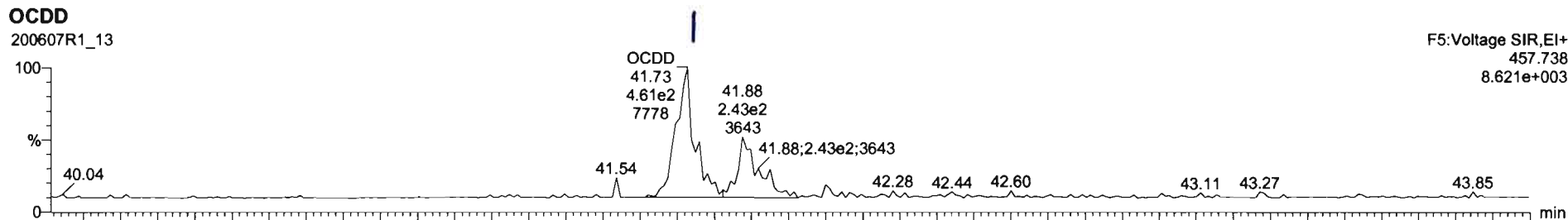
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.70	1.483e2	1.090e2	1.36	YES	0.17290	0.00000
2 1,2,3,4,6,7,8-HpCDD	38.73	1.260e2	1.226e2	1.03	NO	0.19322	0.19322



Dataset: Untitled

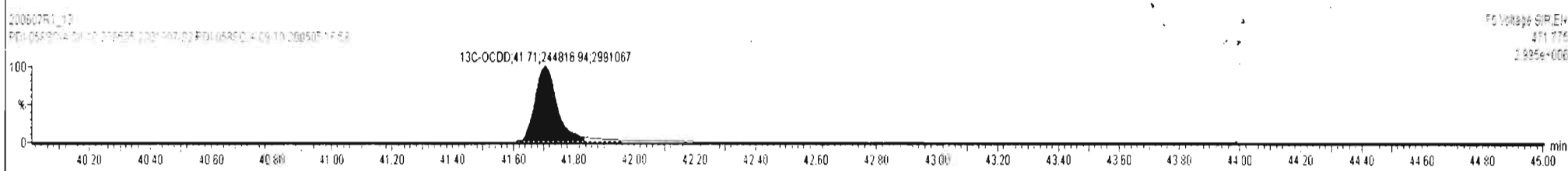
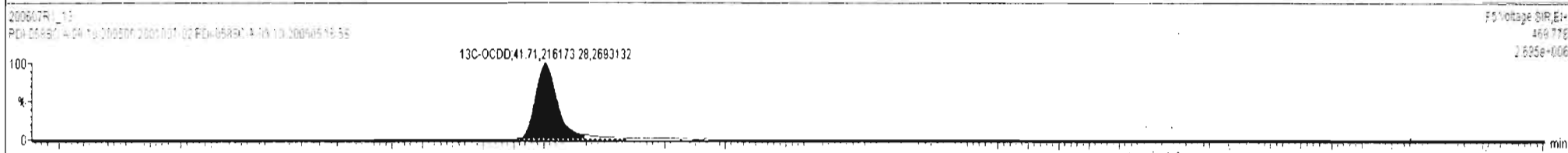
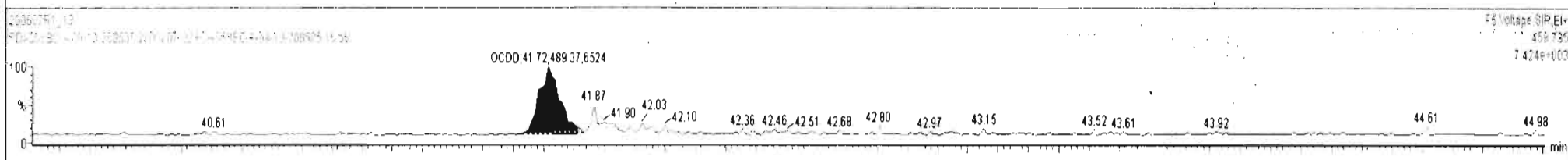
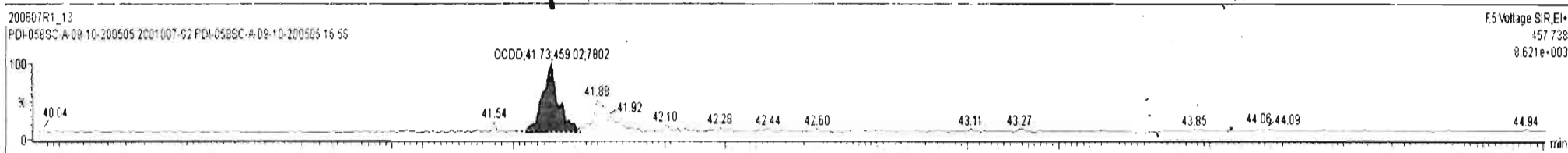
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505



#	Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	9.49e2	0.94	NO	0.9136	10.104	41.73	1.001	0.891		0.115	0.891
8	2,3,7,8-TCDF			NO	0.7510	10.104					0.0674	
9	1,2,3,7,8-PeCDF			NO	0.8925	10.104					0.0455	
10	2,3,4,7,8-PeCDF			NO	0.9348	10.104					0.0426	
11	1,2,3,4,7,8-HxCDF			NO	0.8845	10.104					0.0456	

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



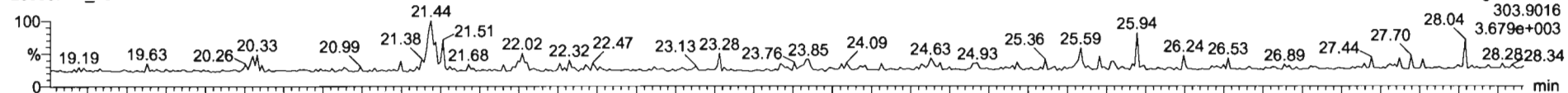
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

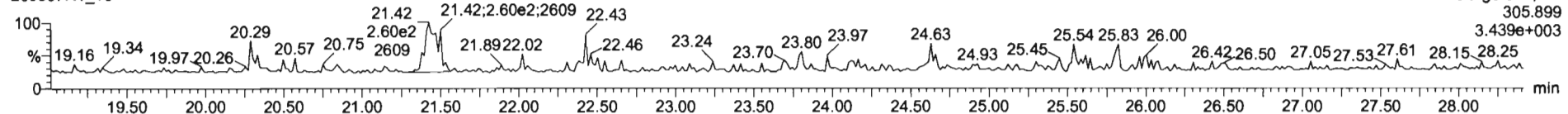
Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

2,3,7,8-TCDF

200607R1_13

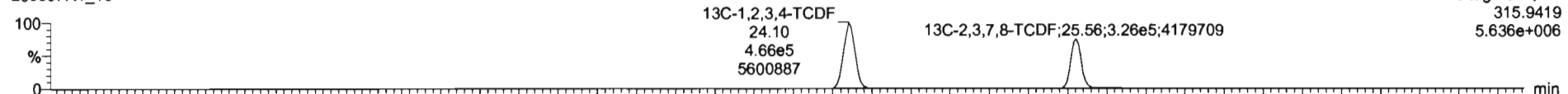


200607R1_13

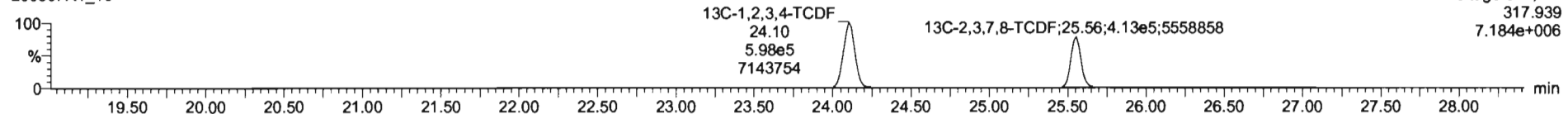


13C-2,3,7,8-TCDF

200607R1_13

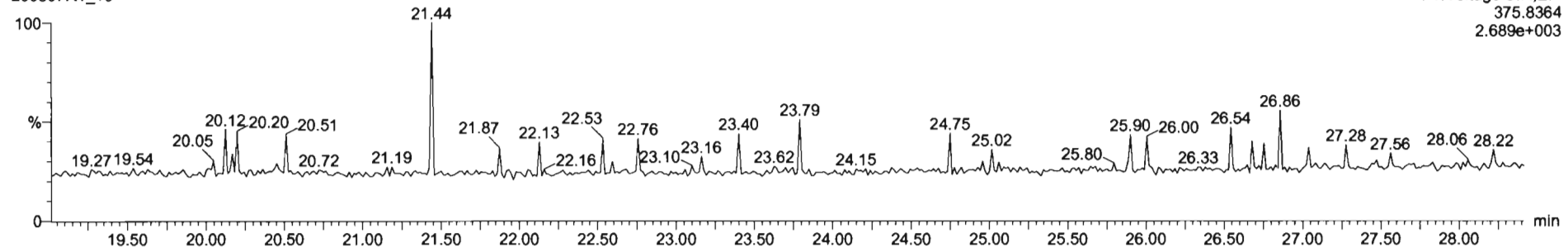


200607R1_13



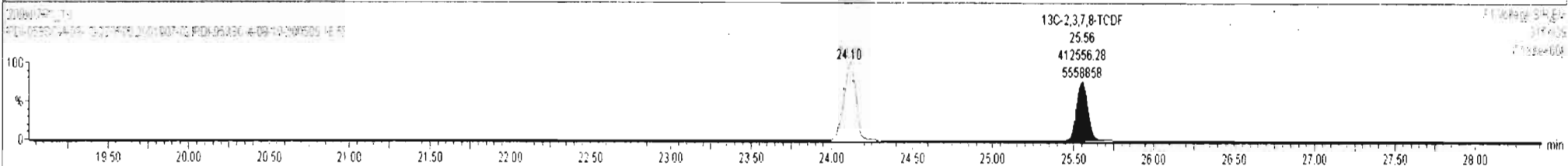
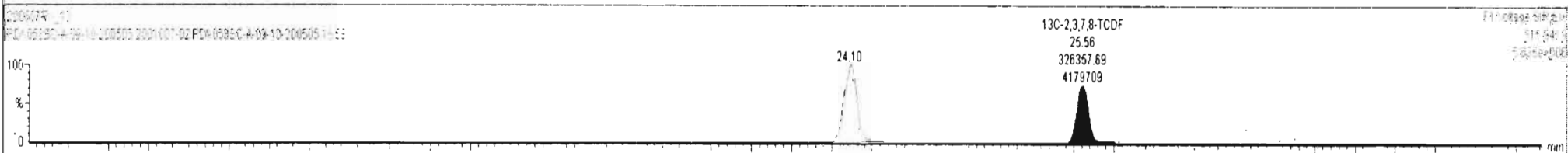
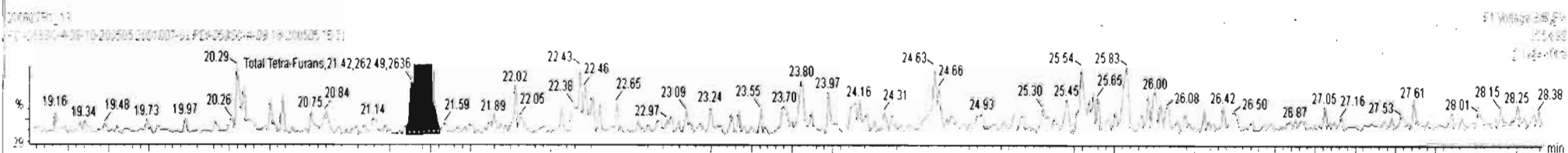
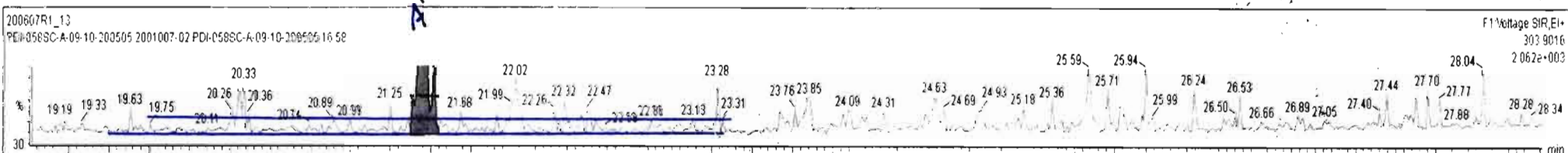
DPE1

200607R1_13



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.104			0.169		0.0674	0.169
44 1st Func. Penta-Furans				0.8925	10.104					0.00778	
45 Total Penta-Furans				0.8925	10.104					0.0212	
46 Total Hexa-Furans				0.9341	10.104					0.0303	
47 Total Hepta-Furans				0.8734	10.104					0.0252	

Name	RT	mt Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	21.44	2.101e2	2.625e2	0.80	NO	0.16859	0.16859



Dataset: Untitled

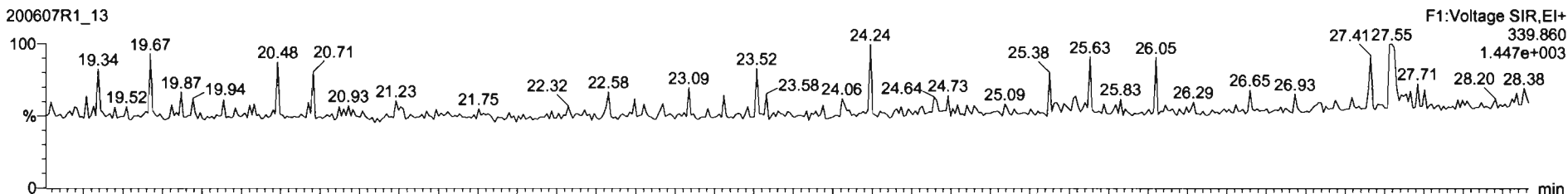
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

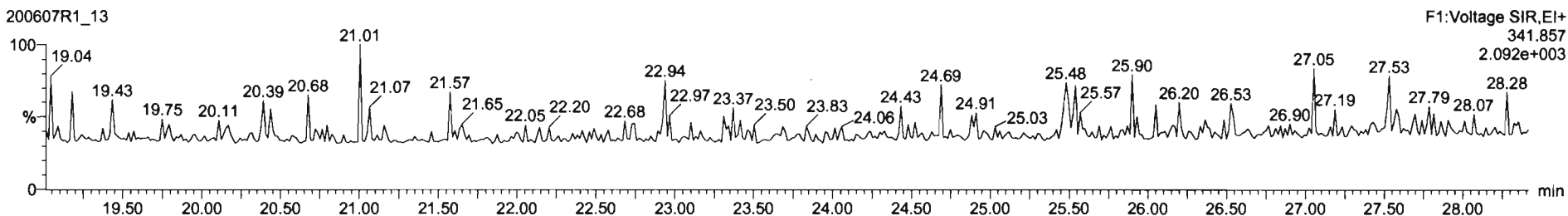
Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

1st Func. Penta-Furans

200607R1_13

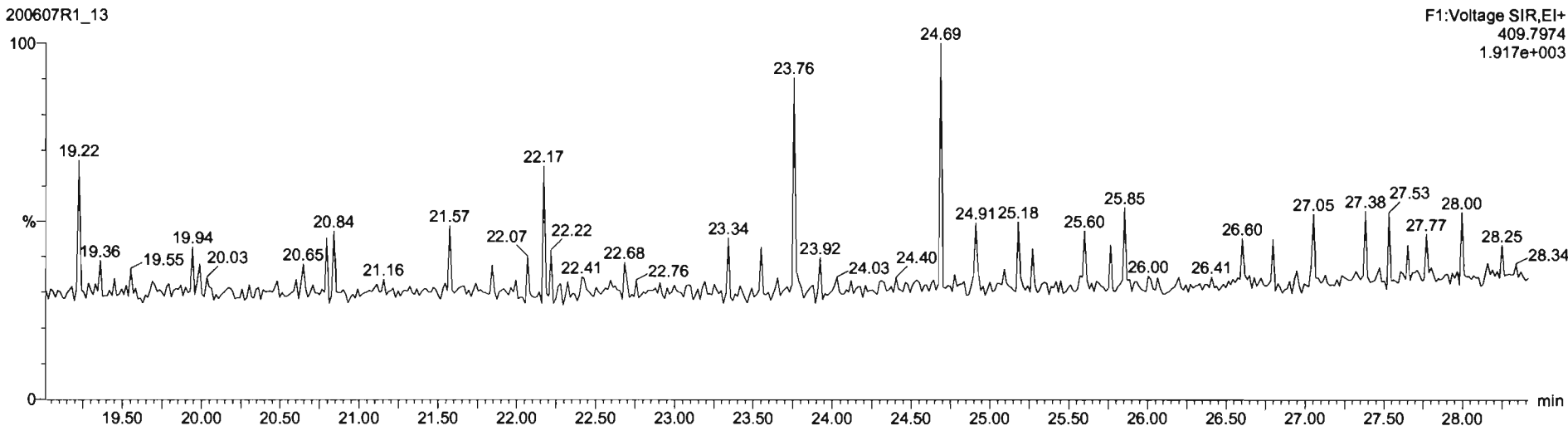


200607R1_13



DPE6

200607R1_13

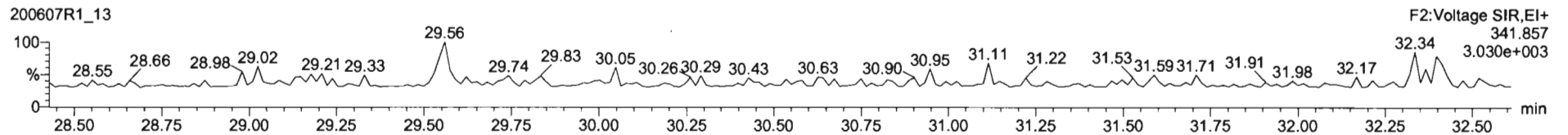
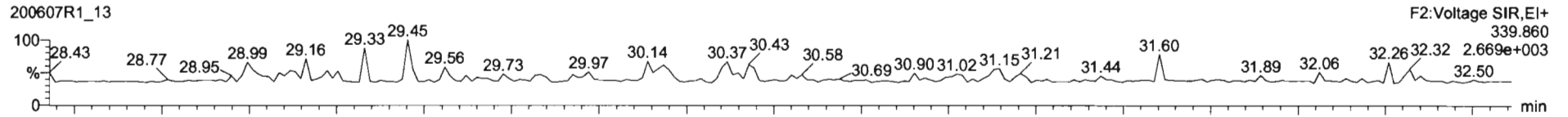


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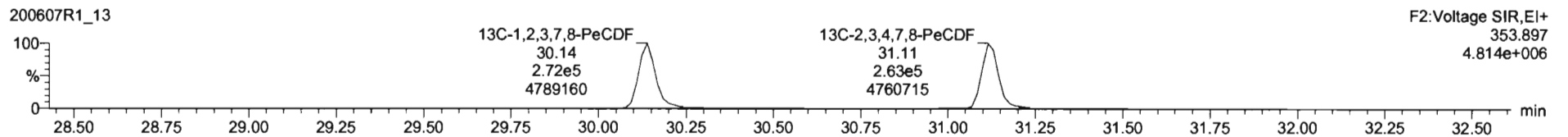
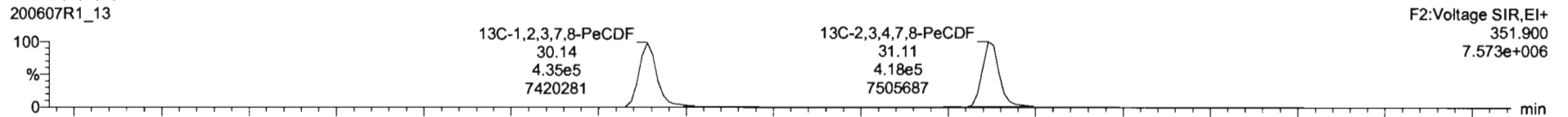
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

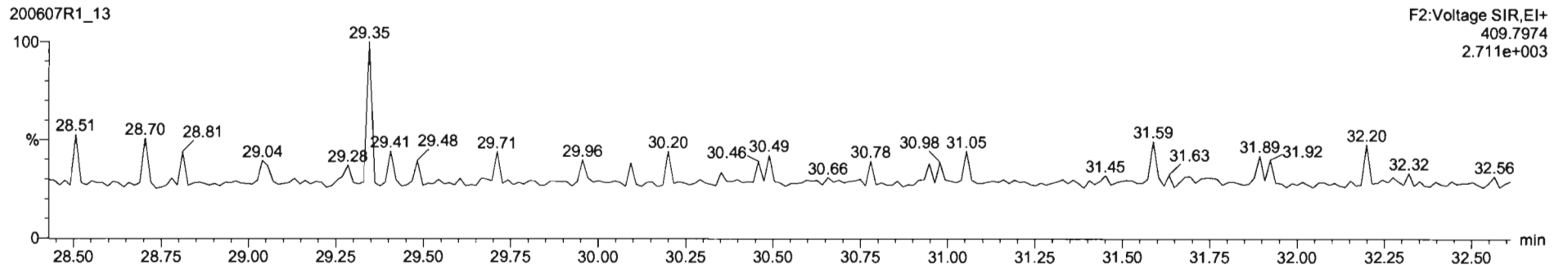
1,2,3,7,8-PeCDF



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



DPE2



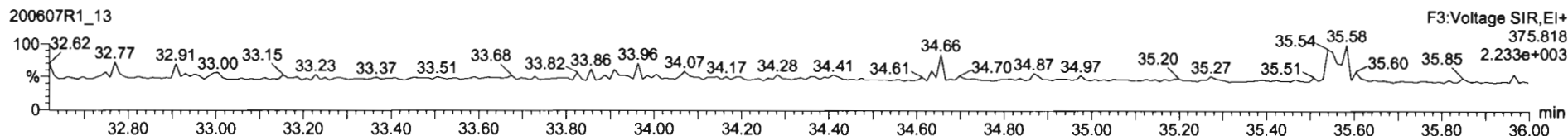
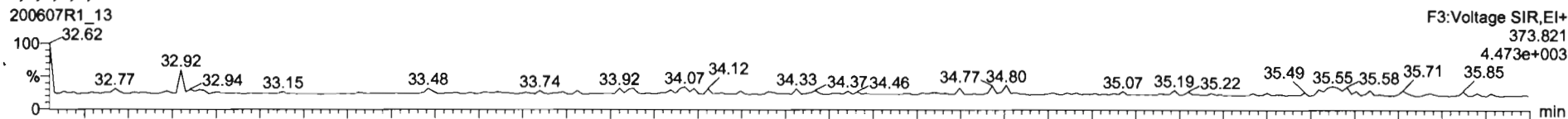
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

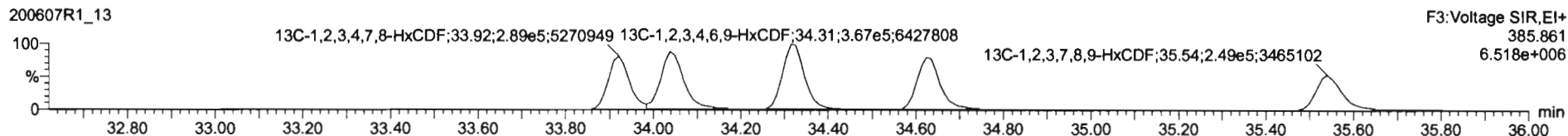
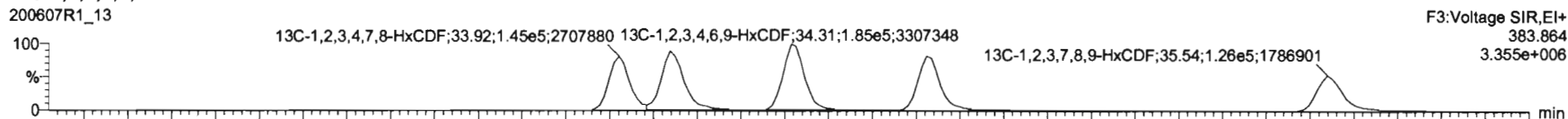
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Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

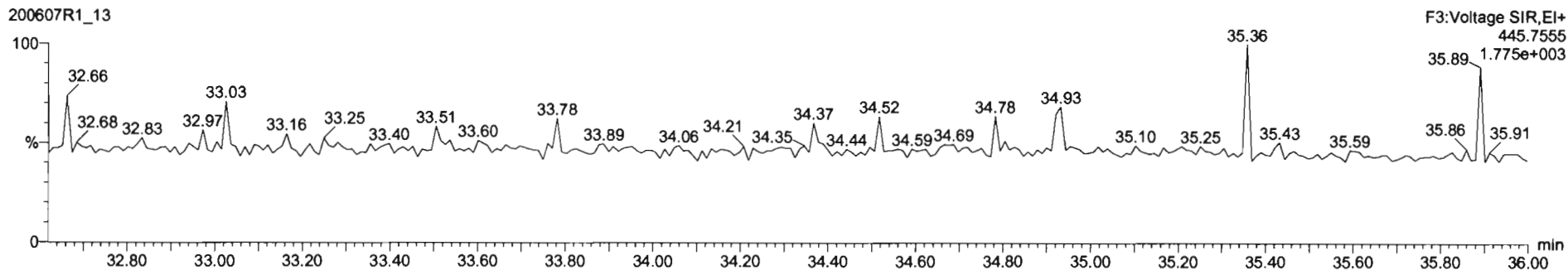
1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: Untitled

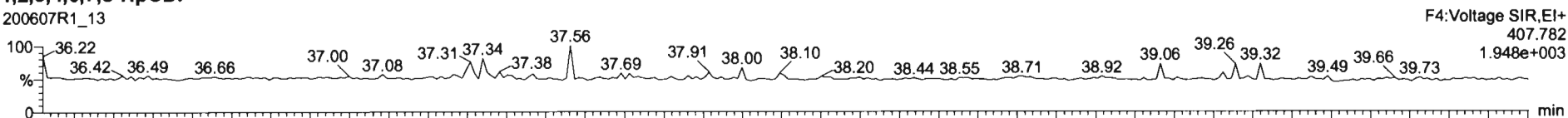
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

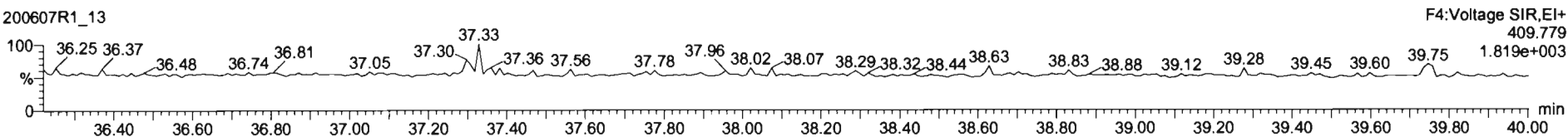
Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

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

200607R1_13

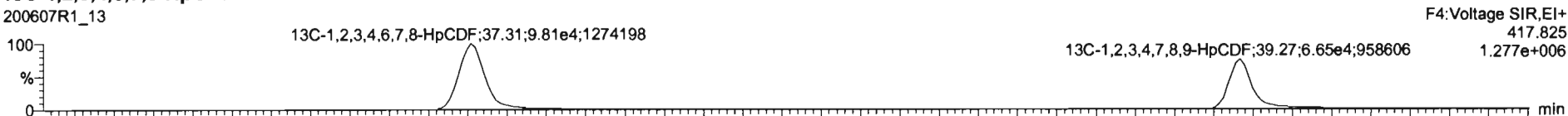


200607R1_13

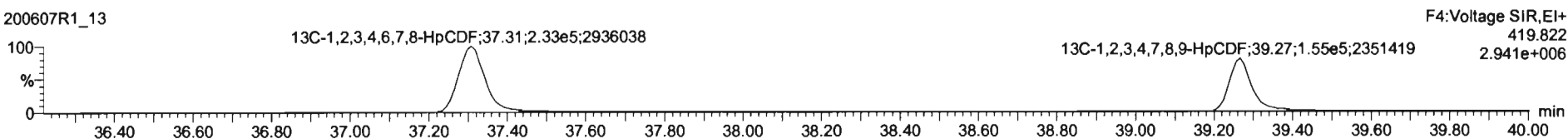


13C-1,2,3,4,6,7,8-HpCDF

200607R1_13

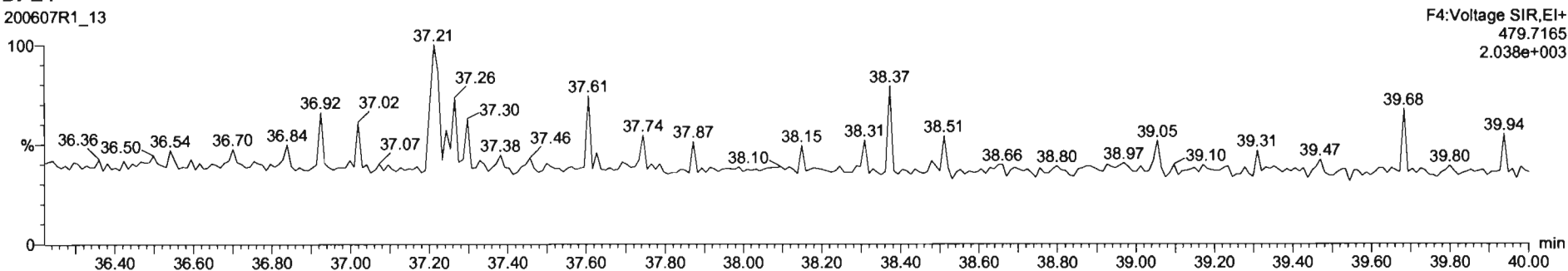


200607R1_13



DPE4

200607R1_13



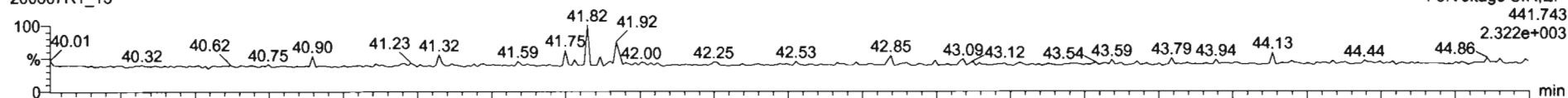
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

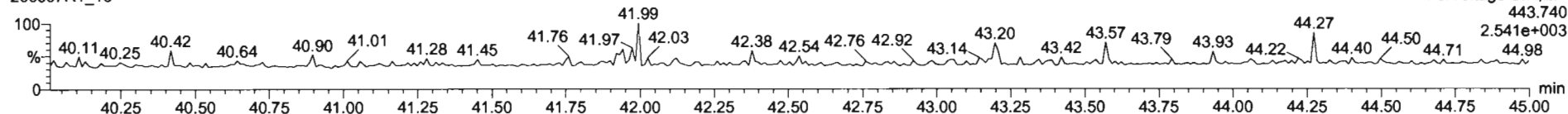
Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

OCDF

200607R1_13

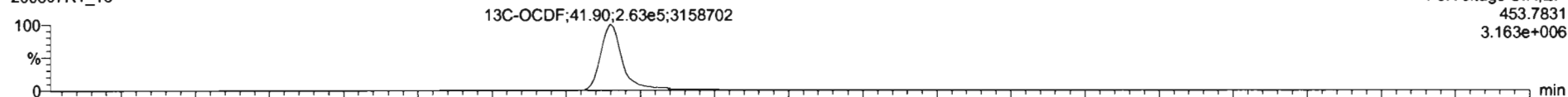


200607R1_13

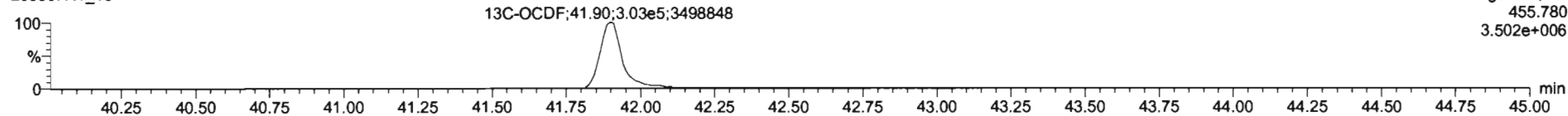


13C-OCDF

200607R1_13

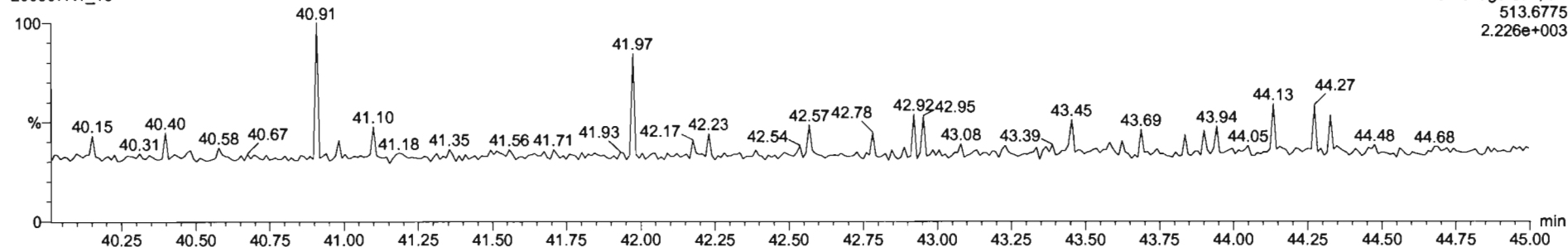


200607R1_13



DPE5

200607R1_13

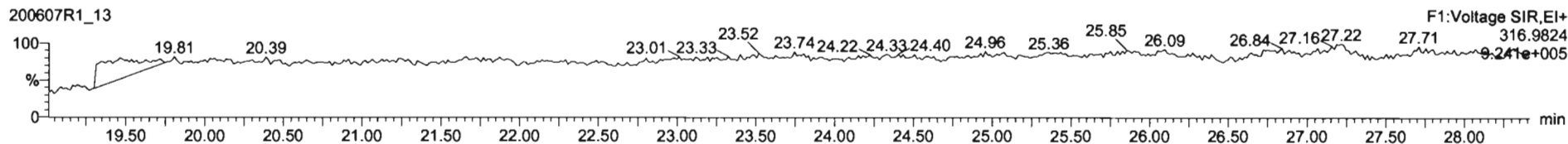


Dataset: Untitled

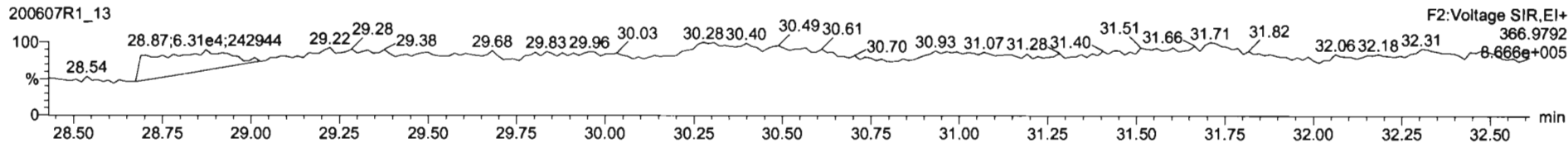
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_13, Date: 07-Jun-2020, Time: 17:57:37, ID: 2001007-02 PDI-058SC-A-09-10-200505 16.58, Description: PDI-058SC-A-09-10-200505

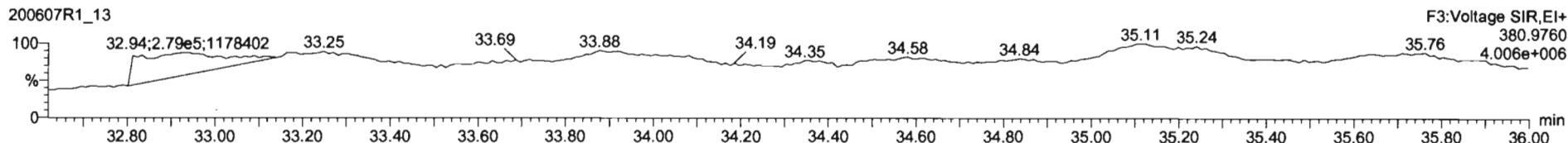
PFK1



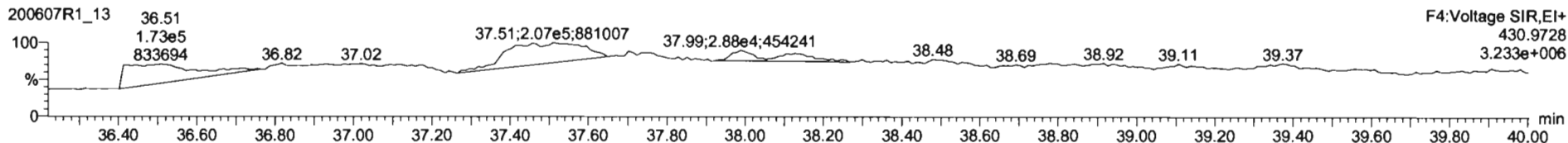
PFK2



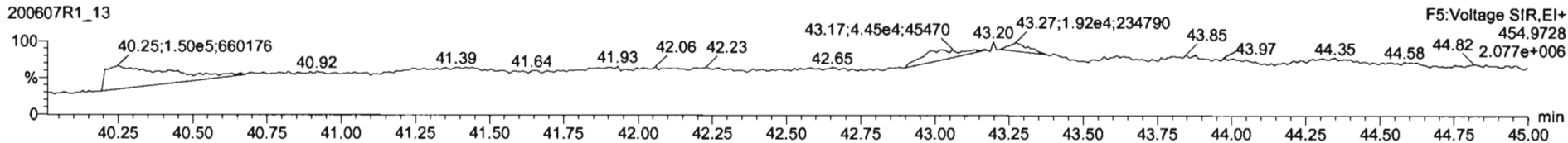
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-14b.qld

Last Altered: Thursday, June 25, 2020 10:45:50 Pacific Daylight Time
Printed: Thursday, June 25, 2020 10:59:18 Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD					<i>16.480</i>	<i>31.457</i>						<i>0.0795</i>	
2	2 1,2,3,7,8-PeCDD			NO	0.908	16.480	31.457		1.001				0.0989	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	16.480	34.825		1.000				0.150	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	16.480	34.911		1.000				0.154	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	16.480	35.209		1.000				0.178	
6	6 1,2,3,4,6,7,8-HpCDD	1.50e3	0.96	NO	0.864	16.480	38.746	38.74	1.000	1.000	1.4176		0.207	1.42
7	7 OCDD	9.51e3	0.84	NO	0.914	16.480	41.706	41.72	1.000	1.000	10.382		0.110	10.4
8	8 2,3,7,8-TCDF	6.73e2	0.73	NO	0.751	16.480	25.582	25.59	1.001	1.001	0.19743		0.103	0.197
9	9 1,2,3,7,8-PeCDF			NO	0.893	16.480	30.175		1.001				0.0705	
10	10 2,3,4,7,8-PeCDF			NO	0.935	16.480	31.161		1.001				0.0666	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	16.480	33.931		1.000				0.0601	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	16.480	34.068		1.000				0.0558	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	16.480	34.679		1.001				0.0623	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	16.480	35.560		1.000				0.0916	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	16.480	37.365		1.001				0.0532	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	16.480	39.277		1.000				0.0543	
17	17 OCDF	2.29e2	0.98	NO	0.806	16.480	41.897	41.92	1.000	1.001	0.25259		0.115	0.253
18	18 13C-2,3,7,8-TCDD	6.71e5	0.77	NO	1.16	16.480	26.476	26.45	1.026	1.026	188.79	94.8	0.250	
19	19 13C-1,2,3,7,8-PeCDD	4.77e5	0.63	NO	0.849	16.480	31.656	31.43	1.227	1.219	182.83	91.8	0.538	
20	20 13C-1,2,3,4,7,8-HxCDD	3.01e5	1.31	NO	0.779	16.480	34.819	34.81	1.014	1.014	159.79	80.2	0.660	
21	21 13C-1,2,3,6,7,8-HxCDD	3.97e5	1.29	NO	1.02	16.480	34.932	34.91	1.017	1.017	161.20	80.9	0.506	
22	22 13C-1,2,3,7,8,9-HxCDD	3.48e5	1.24	NO	0.903	16.480	35.204	35.20	1.025	1.025	159.07	79.9	0.570	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.44e5	1.05	NO	0.689	16.480	38.726	38.73	1.128	1.128	146.05	73.3	0.585	
24	24 13C-OCDD	3.99e5	0.88	NO	0.652	16.480	41.748	41.71	1.216	1.215	252.86	63.5	0.624	
25	25 13C-2,3,7,8-TCDF	9.04e5	0.75	NO	1.06	16.480	25.519	25.56	0.989	0.991	188.77	94.8	0.342	
26	26 13C-1,2,3,7,8-PeCDF	7.24e5	1.61	NO	0.838	16.480	30.041	30.15	1.165	1.169	190.96	95.9	0.724	
27	27 13C-2,3,4,7,8-PeCDF	6.99e5	1.59	NO	0.817	16.480	30.993	31.13	1.202	1.207	189.27	95.0	0.743	
28	28 13C-1,2,3,4,7,8-HxCDF	4.02e5	0.50	NO	1.01	16.480	33.950	33.93	0.989	0.988	164.97	82.8	0.803	
29	29 13C-1,2,3,6,7,8-HxCDF	4.88e5	0.51	NO	1.17	16.480	34.074	34.06	0.992	0.992	172.52	86.6	0.693	
30	30 13C-2,3,4,6,7,8-HxCDF	4.24e5	0.52	NO	1.02	16.480	34.647	34.64	1.009	1.009	171.16	85.9	0.791	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-14b.qld

Last Altered: Thursday, June 25, 2020 10:45:50 Pacific Daylight Time

Printed: Thursday, June 25, 2020 10:59:18 Pacific Daylight Time

Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

July 06, 25 - 2020

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	3.41e5	0.52	NO	0.860	16.480	35.547	35.56	1.035	1.036	163.68	82.2	0.941	
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.78e5	0.42	NO	0.774	16.480	37.295	37.33	1.086	1.087	148.07	74.3	0.645	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.93e5	0.42	NO	0.521	16.480	39.324	39.28	1.145	1.144	152.88	76.8	0.959	
34	34 13C-OCDF	4.48e5	0.88	NO	0.746	16.480	41.920	41.90	1.221	1.220	248.25	62.3	0.584	
35	35 37Cl-2,3,7,8-TCDD	2.55e5			1.04	16.480	26.507	26.48	1.028	1.027	80.123	101	0.0678	
36	36 13C-1,2,3,4-TCDD	6.12e5	0.79	NO	1.00	16.480	25.890	25.80	1.000	1.000	199.15	100	0.289	
37	37 13C-1,2,3,4-TCDF	9.01e5	0.77	NO	1.00	16.480	24.360	24.10	1.000	1.000	199.15	100	0.362	
38	38 13C-1,2,3,4,6,9-HxCDF	4.82e5	0.50	NO	1.00	16.480	34.420	34.33	1.000	1.000	199.15	100	0.809	
39	39 Total Tetra-Dioxins				0.888	16.480	24.620		0.000		0.58437		0.0795	0.757
40	40 Total Penta-Dioxins				0.908	16.480	29.960		0.000		0.00000		0.0989	0.275
41	41 Total Hexa-Dioxins				0.892	16.480	33.635		0.000		1.5130		0.167	1.51
42	42 Total Hepta-Dioxins				0.864	16.480	37.640		0.000		3.6825		0.207	3.68
43	43 Total Tetra-Furans				0.751	16.480	23.610		0.000		1.1549		0.103	1.37
44	44 1st Func. Penta-Furans				0.893	16.480	27.580		0.000				0.00766	
45	45 Total Penta-Furans				0.893	16.480	29.275		0.000				0.0356	
46	46 Total Hexa-Furans				0.934	16.480	33.555		0.000		0.00000		0.0336	0.0644
47	47 Total Hepta-Furans				0.873	16.480	37.835		0.000				0.0260	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-14b.qld

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Printed: Thursday, June 25, 2020 10:59:18 Pacific Daylight Time

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

Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.46	5.291e3	5.401e3	3.785e2	5.242e2	0.72	NO	9.028e2	0.30185	0.30185	0.0795
2	Total Tetra-Dioxins	22.89	4.276e3	5.421e3	3.928e2	4.522e2	0.87	NO	8.450e2	0.28252	0.28252	0.0795
3	Total Tetra-Dioxins	24.27	4.257e3	6.179e3	2.243e2	3.959e2	0.57	YES	0.000e0	0.00000	0.17241	0.0795

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	3.725e3	3.273e3	1.129e2	1.831e2	0.62	NO	0.000e0	0.00000	0.13615	0.0989
2	Total Penta-Dioxins	29.70	2.727e3	3.528e3	1.411e2	1.851e2	0.76	YES	0.000e0	0.00000	0.13881	0.0989

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.32	1.734e4	1.235e4	8.044e2	6.875e2	1.17	NO	1.492e3	0.95505	0.95505	0.167
2	Total Hexa-Dioxins	34.13	7.295e3	6.082e3	4.579e2	4.137e2	1.11	NO	8.716e2	0.55798	0.55798	0.167

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.75	1.673e4	1.652e4	1.229e3	1.166e3	1.05	NO	2.395e3	2.2649	2.2649	0.207
2	1,2,3,4,6,7,8-HpCDD	38.74	1.113e4	1.208e4	7.335e2	7.654e2	0.96	NO	1.499e3	1.4176	1.4176	0.207

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.32	5.430e3	4.812e3	4.179e2	4.139e2	1.01	YES	0.000e0	0.00000	0.21482	0.103
2	Total Tetra-Furans	21.42	1.182e4	1.683e4	1.082e3	1.464e3	0.74	NO	2.546e3	0.74646	0.74646	0.103
3	Total Tetra-Furans	24.66	3.765e3	4.729e3	3.261e2	3.935e2	0.83	NO	7.196e2	0.21099	0.21099	0.103
4	2,3,7,8-TCDF	25.59	5.299e3	5.588e3	2.850e2	3.884e2	0.73	NO	6.733e2	0.19743	0.19743	0.103

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-14b.qld

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Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

Penta-Furans function 1

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

Penta-Furans

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

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL	
1	Total Hexa-Furans	32.95	1.999e3	1.353e3	9.902e1	5.573e1	1.78	YES	0.000e0	0.00000	0.064362	0.0336

Hepta-Furans

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

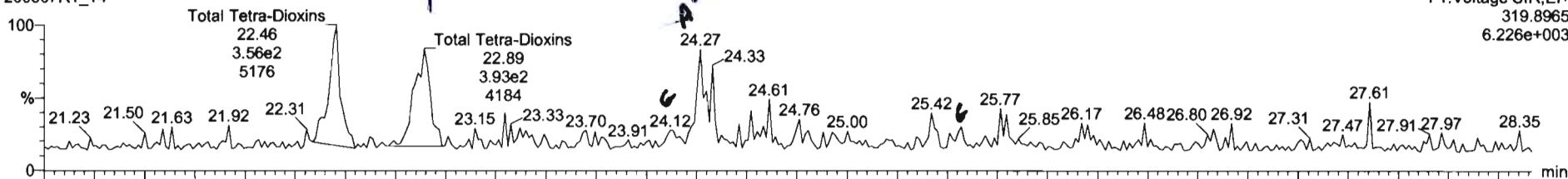
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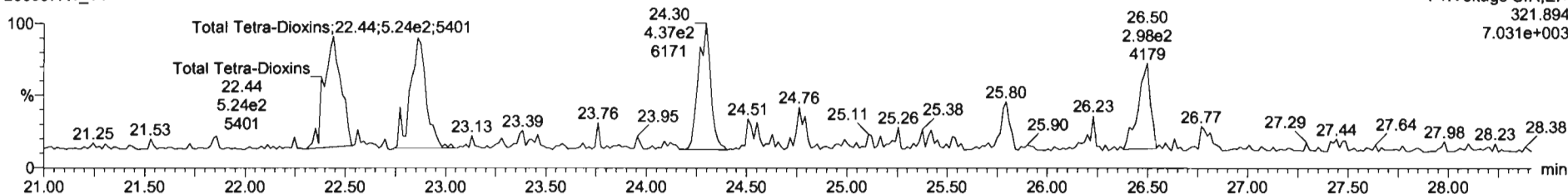
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2,3,7,8-TCDD

200607R1_14

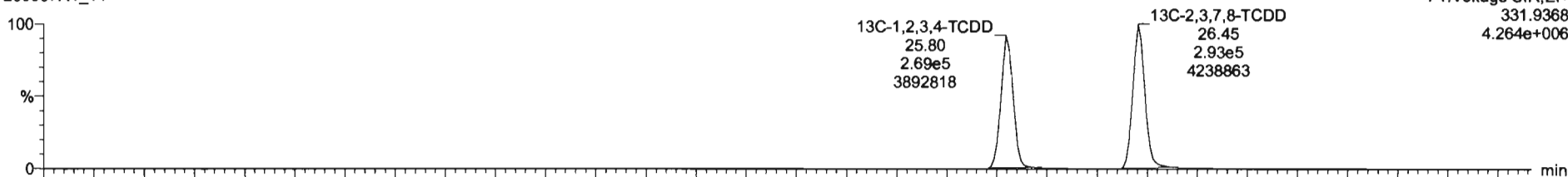


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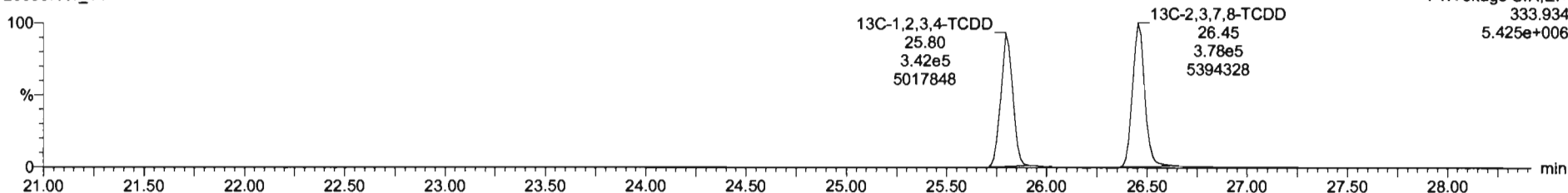


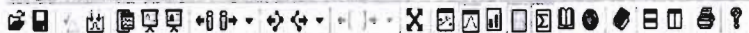
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200607R1_14



200607R1_14

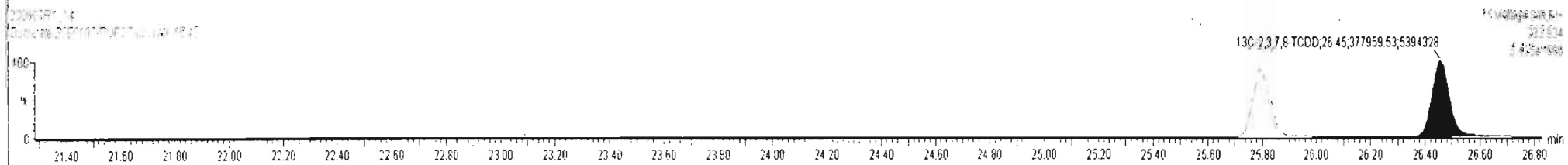
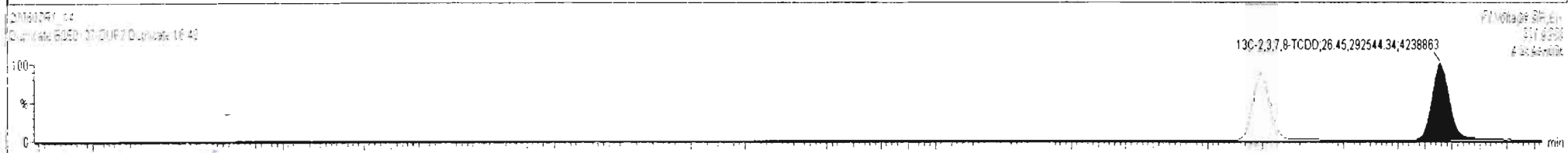
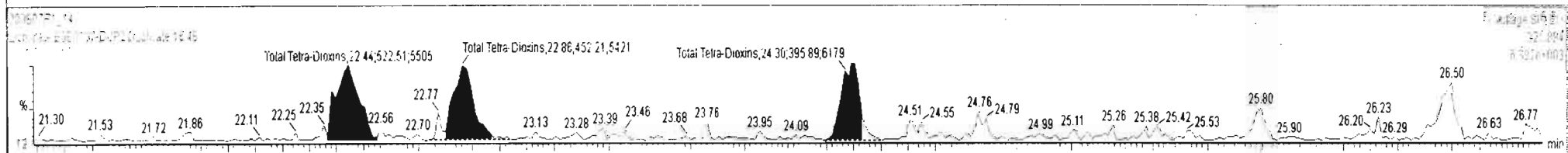
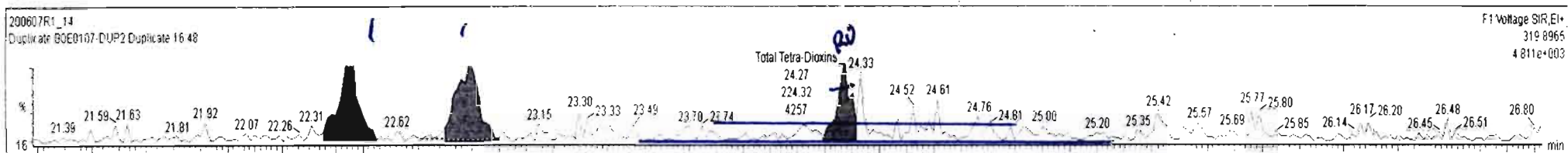




200607R1_14-DUP1-DUP2 Duplicate 16 48

#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.8983	16.480			0.356		0.0484	0.461
40	Total Penta-Dioxins				0.9081	16.480					0.0314	
41	Total Hexa-Dioxins				0.8923	16.480			0.576		0.102	0.607
42	Total Hepta-Dioxins				0.8639	16.480					0.126	
43	Total Tetra-Furans				0.7510	16.480			0.567		0.0629	0.604

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	22.46	3.785e2	5.225e2	0.72	NO	0.18359	0.18359
2	Total Tetra-Dioxins	22.89	3.928e2	4.522e2	0.87	NO	0.17216	0.17216
3	Total Tetra-Dioxins	24.27	2.243e2	3.959e2	0.57	YES	0.10507	0.00000



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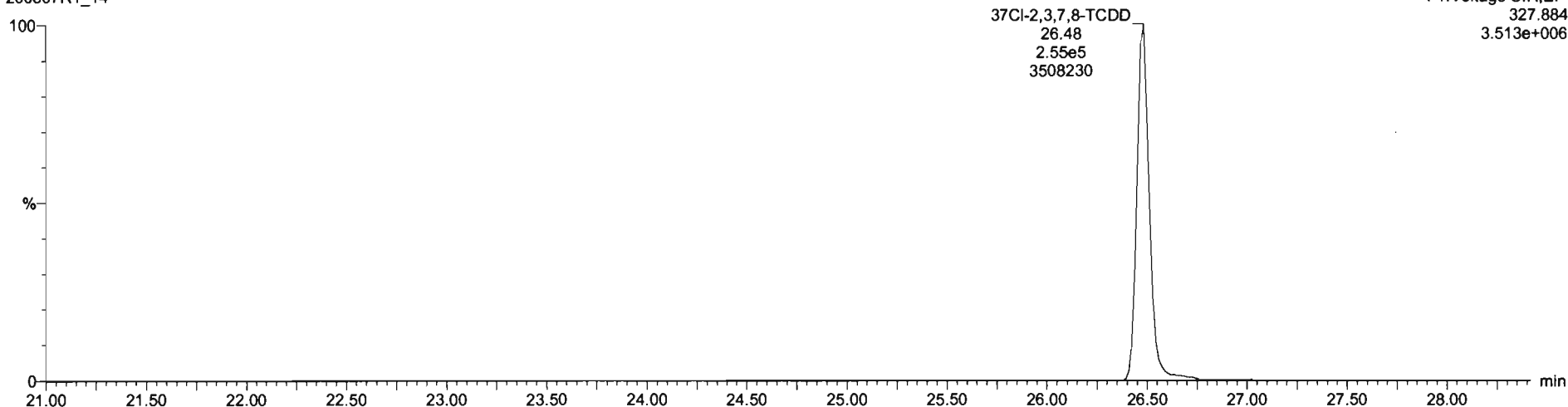
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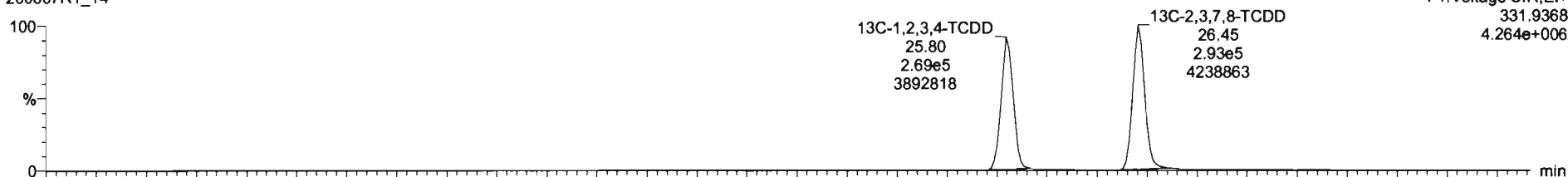
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200607R1_14

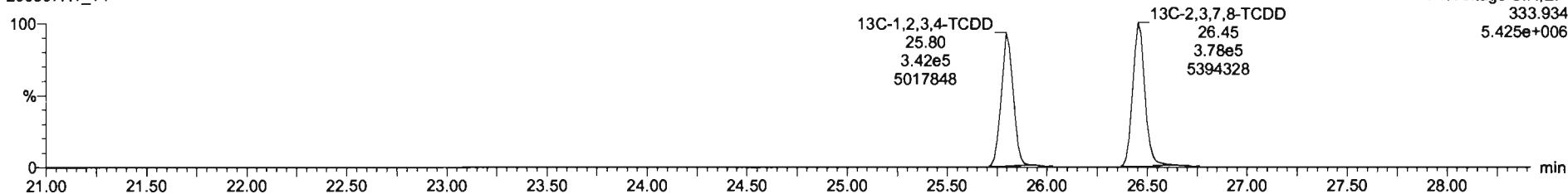


13C-1,2,3,4-TCDD

200607R1_14



200607R1_14



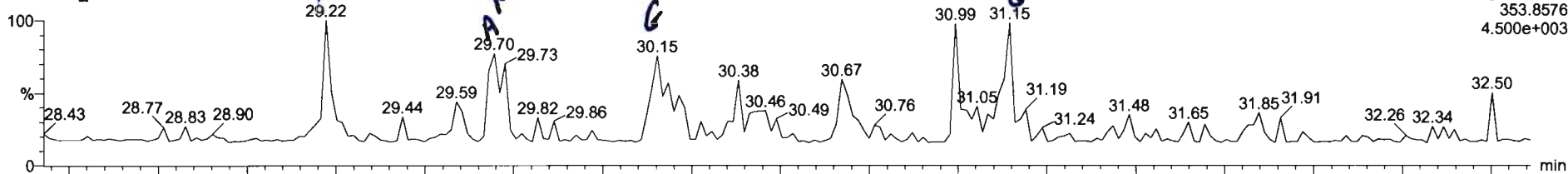
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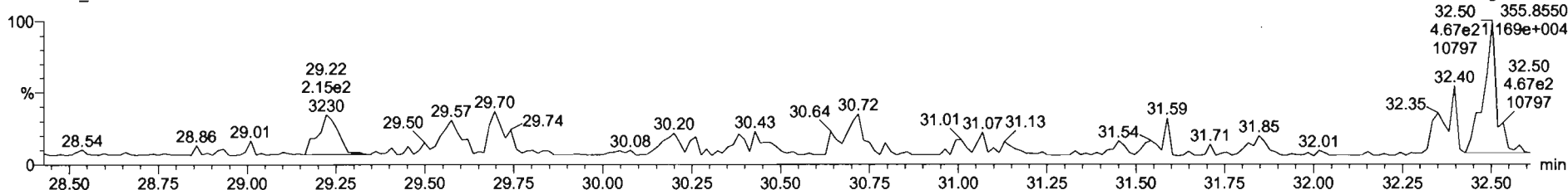
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1,2,3,7,8-PeCDD

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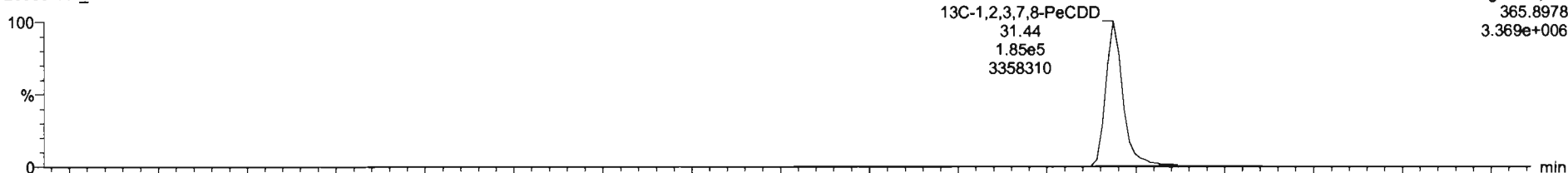


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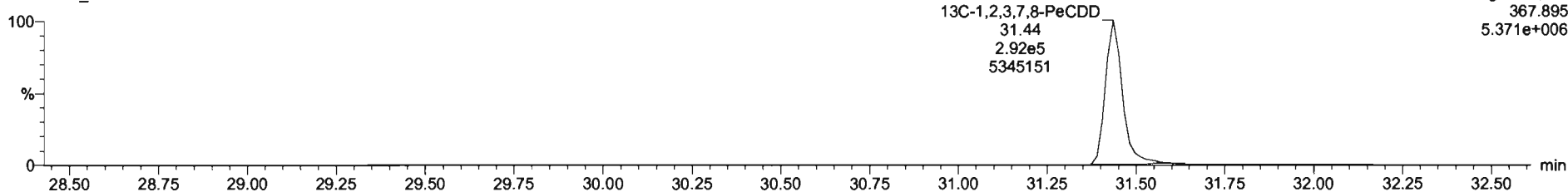


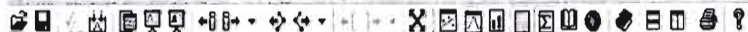
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200607R1_14



200607R1_14

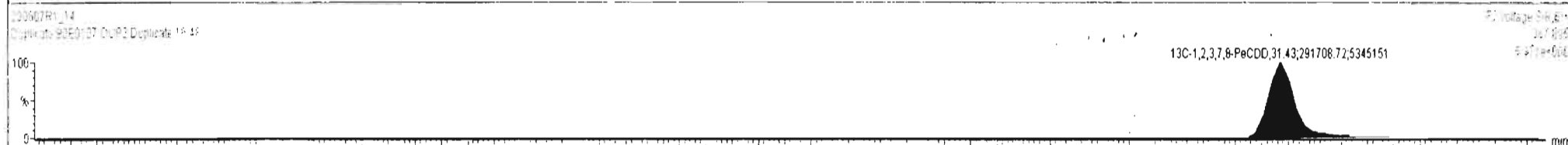
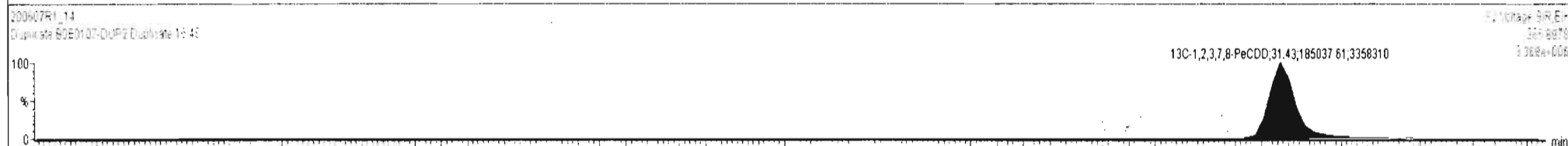
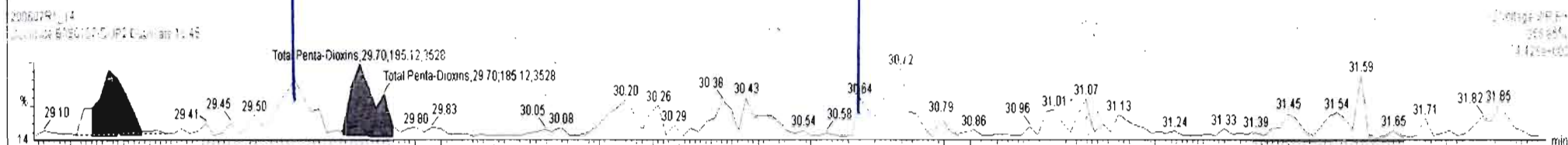
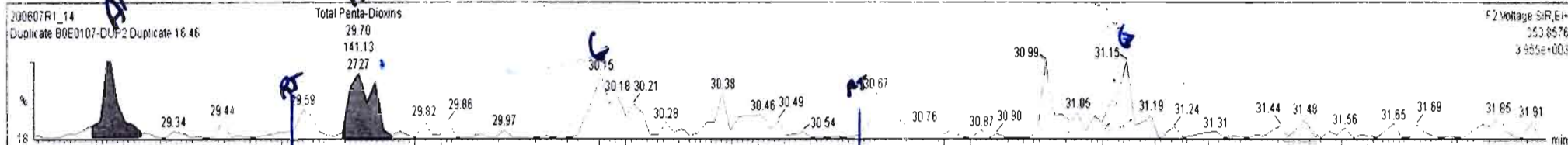




200607R1-14-EMPC107-DUP2 Duplicate 16.46

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	16.480			0.356	0.0484	0.461	
40 Total Penta-Dioxins				0.9061	16.480			0.000	0.0603	0.168	
41 Total Hexa-Dioxins				0.8923	16.480			0.576	0.102	0.807	
42 Total Hepta-Dioxins				0.8639	16.480				0.126		
43 Total Tetra-Furans				0.7510	16.480			0.567	0.0629	0.804	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	1.129e2	1.831e2	0.62	NO	0.082970	0.00000
2 Total Penta-Dioxins	29.70	1.411e2	1.851e2	0.76	YES	0.084589	0.00000

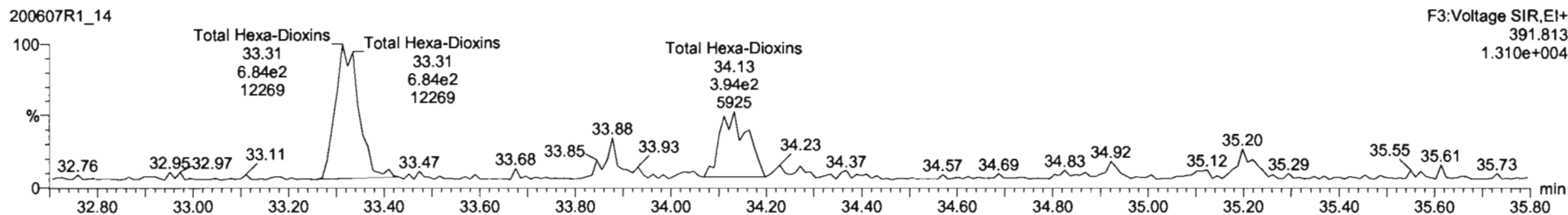
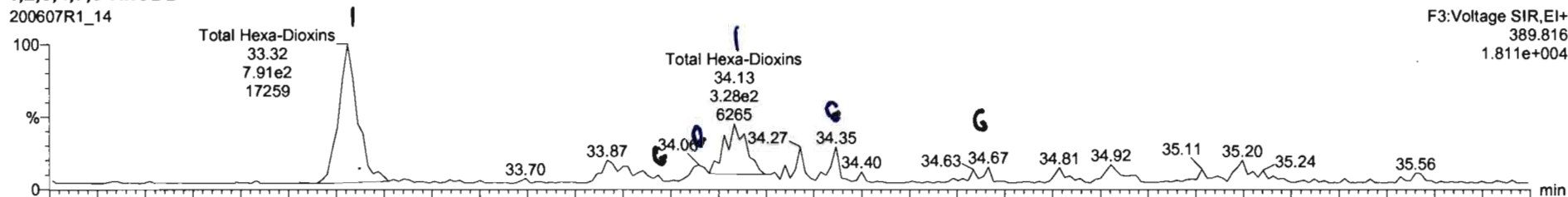


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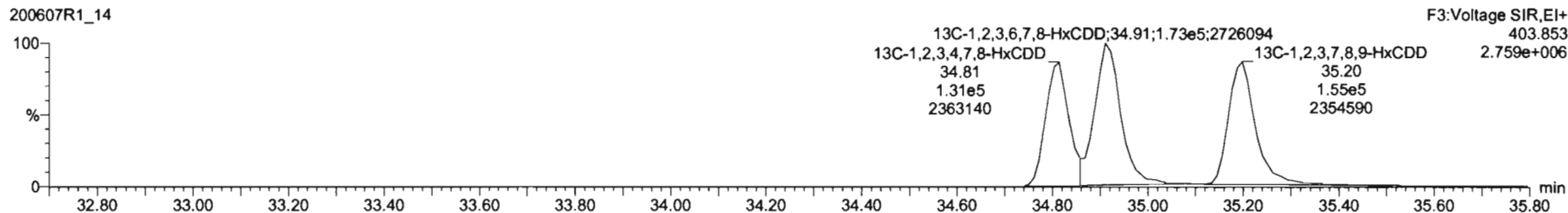
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1,2,3,4,7,8-HxCDD

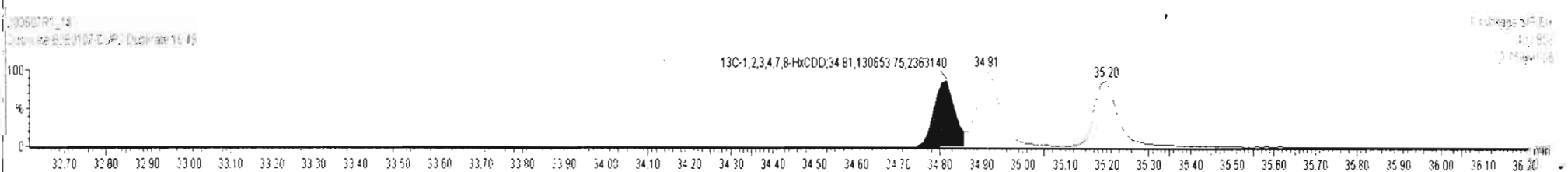
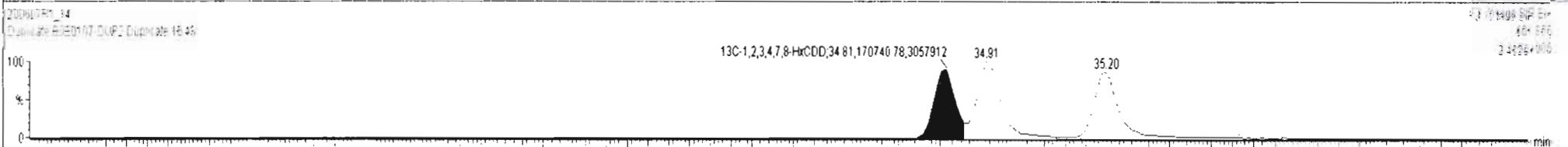
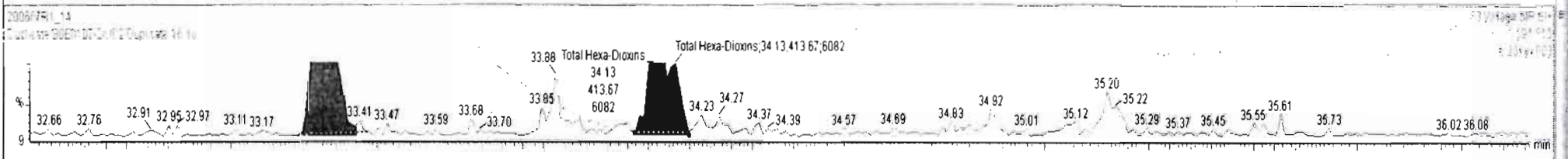
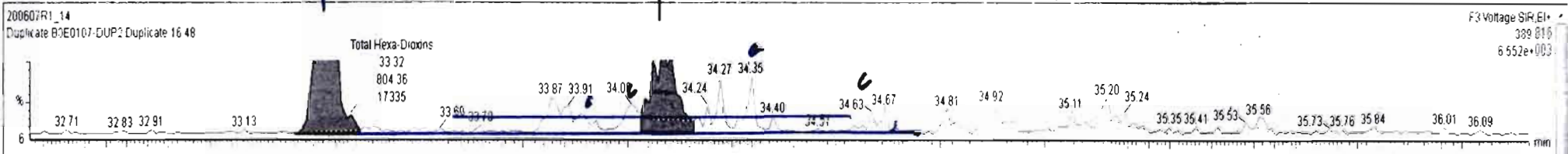


13C-1,2,3,4,7,8-HxCDD



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	16.480			0.356		0.0484	0.461
40 Total Penta-Dioxins				0.9081	16.480			0.000		0.0603	0.168
41 Total Hexa-Dioxins				0.8923	16.480			0.922		0.102	0.922
42 Total Hepta-Dioxins				0.8639	16.480					0.126	
43 Total Tetra-Furans				0.7510	16.480			0.567		0.0629	0.804

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Dioxins	33.32	8.044e2	6.875e2	1.17	NO	0.58199	0.58199
2 Total Hexa-Dioxins	34.13	4.579e2	4.137e2	1.11	NO	0.34003	0.34003



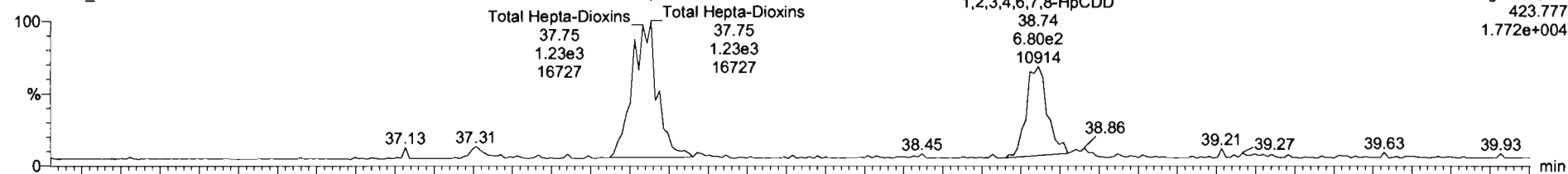
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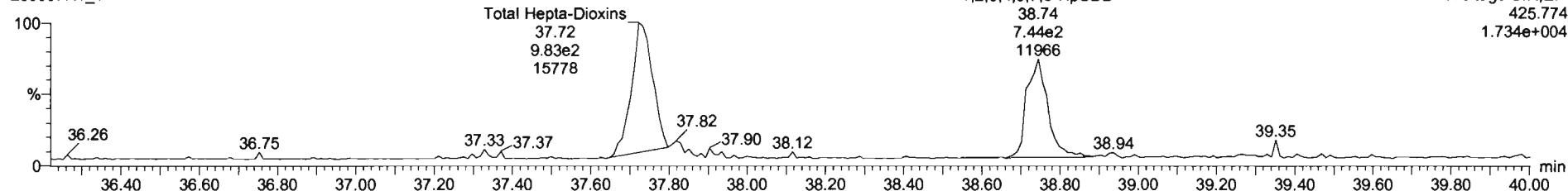
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1,2,3,4,6,7,8-HpCDD

200607R1_14

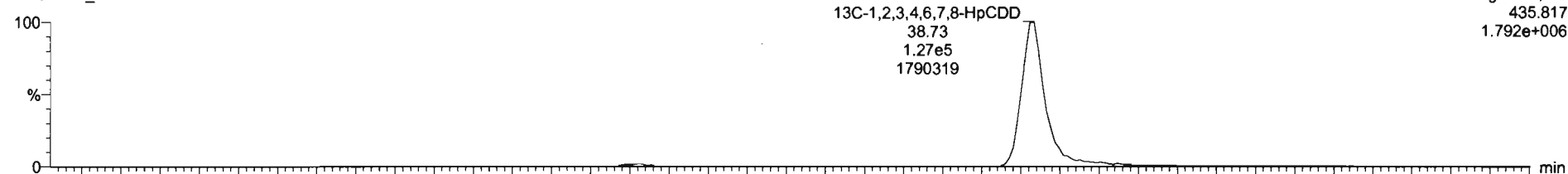


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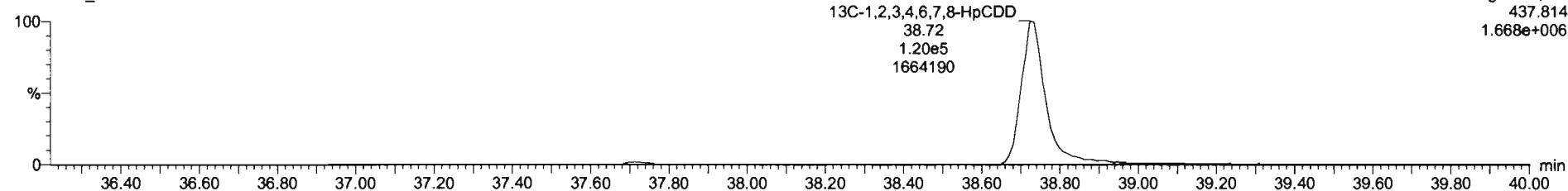


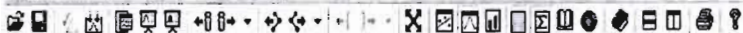
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200607R1_14



200607R1_14

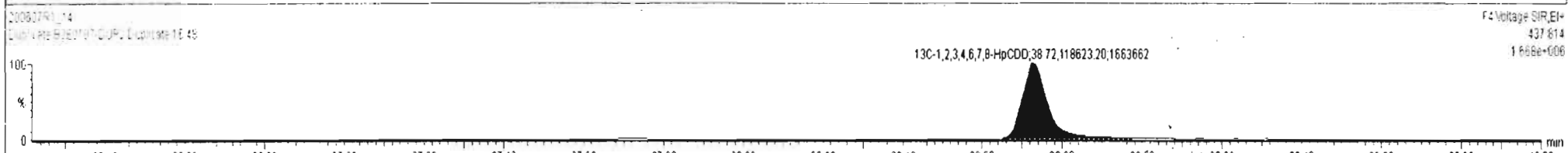
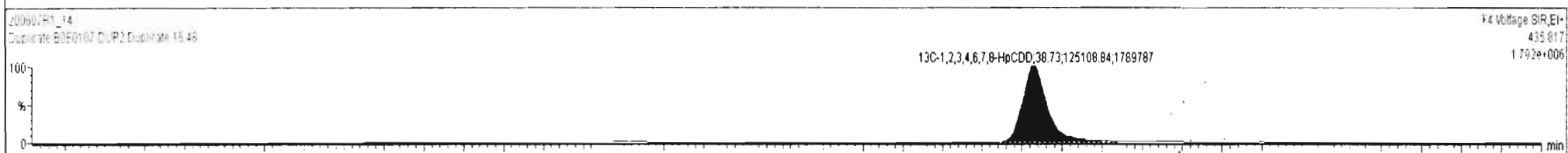
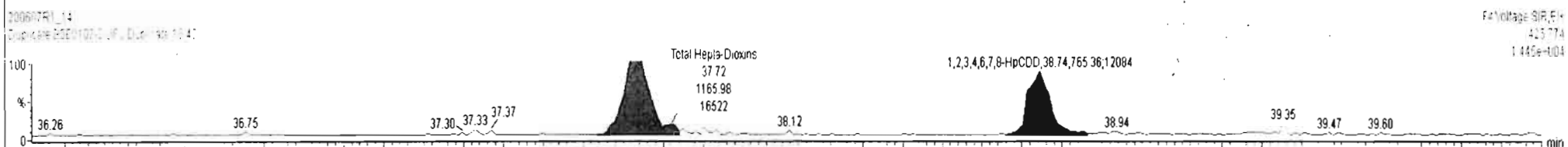
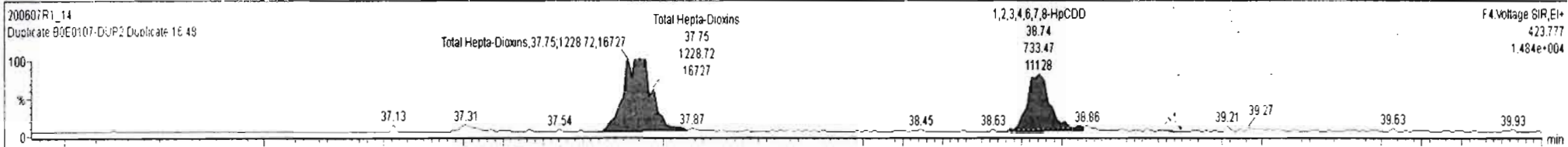




200607R1_14 - E:\E0107-DUP2 Duplicate 16 48 - Duplicate

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
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40 Total Penta-Dioxins				0.9081	16.480			0.000		0.0603	0.168
41 Total Hexa-Dioxins				0.8923	16.480			0.922		0.102	0.922
42 Total Hepta-Dioxins				0.8639	16.480			2.24		0.126	2.24
43 Total Tetra-Furans				0.7510	16.480			0.567		0.0629	0.804

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.75	1.229e3	1.166e3	1.05	NO	1.3802	1.3802
2 1,2,3,4,6,7,8-HpCDD	38.74	7.335e2	7.654e2	0.96	NO	0.86386	0.86386

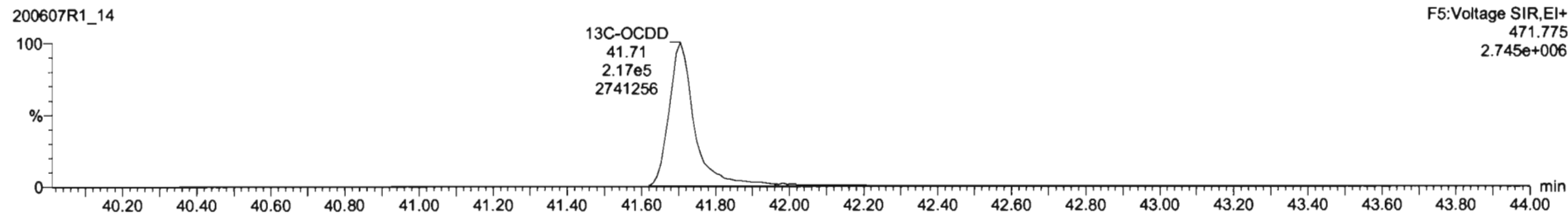
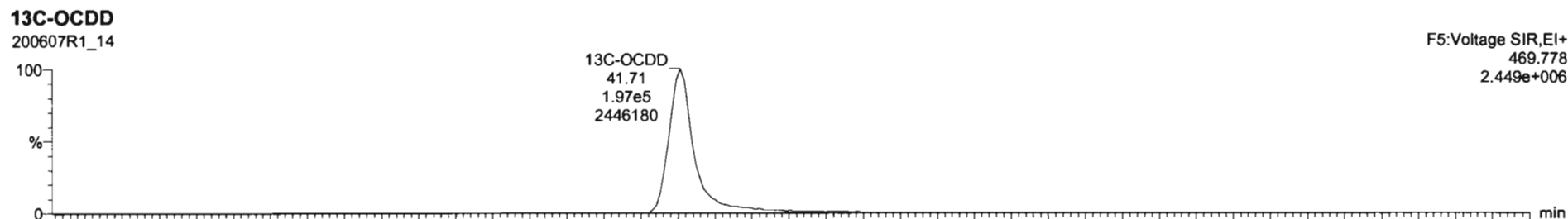
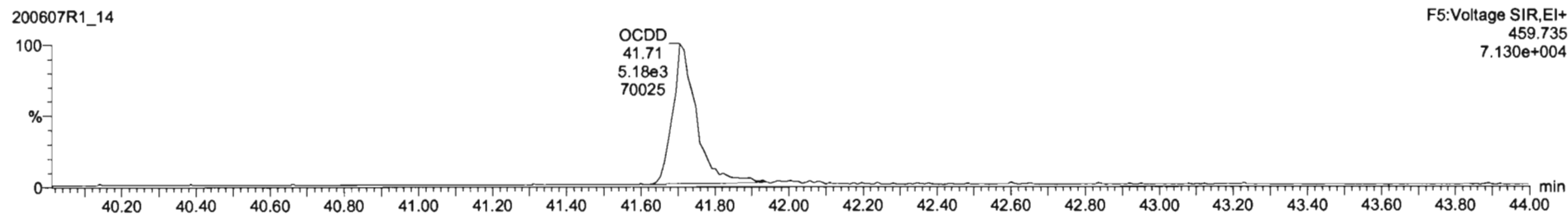
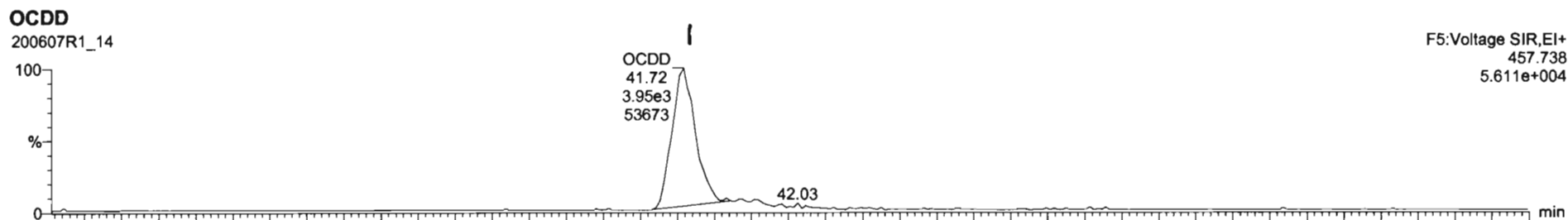


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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

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

Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

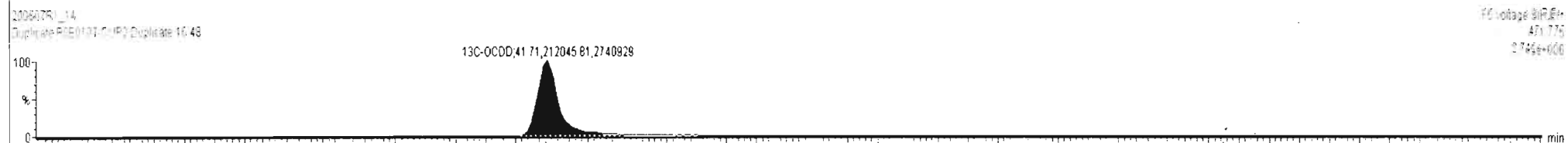
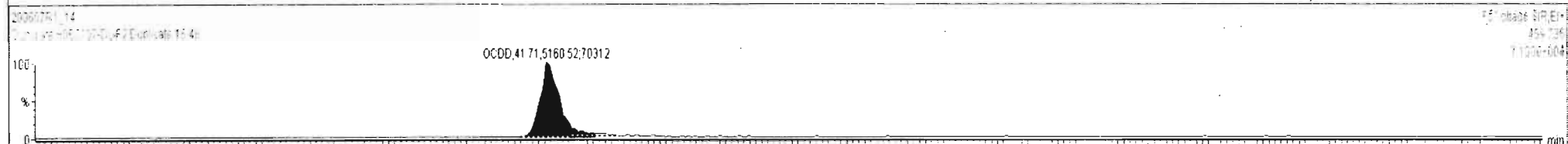
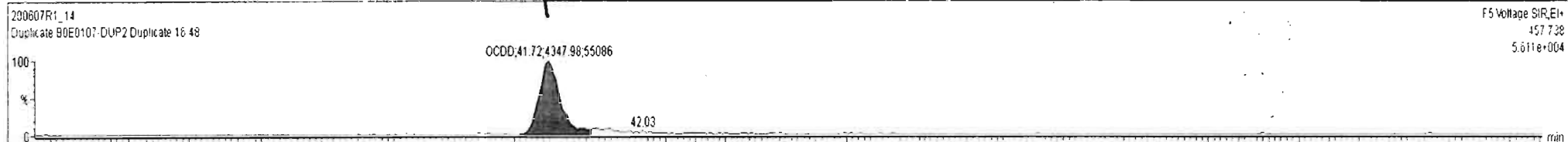




200607R1_14 - 60E0107-DUP2 Duplicate 16.48 - Duplicate

Name	Resp	RA	n/y	RF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	9.51e3	0.84	NO	0.9136	16.480	41.72	1.000	6.33		0.0670	6.33
8 2,3,7,8-TCDF	6.76e2	0.61	YES	0.7510	16.480	25.59	1.001	0.121		0.0629	0.105
9 1,2,3,7,8-PeCDF			NO	0.8925	16.480					0.0430	
10 2,3,4,7,8-PeCDF			NO	0.9348	16.480					0.0406	
11 1,2,3,4,7,8-HxCDF			NO	0.8645	16.480					0.0366	

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

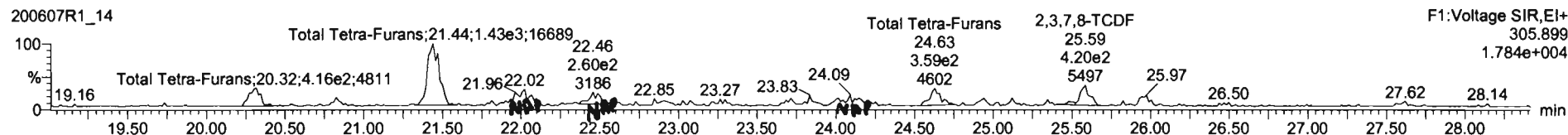
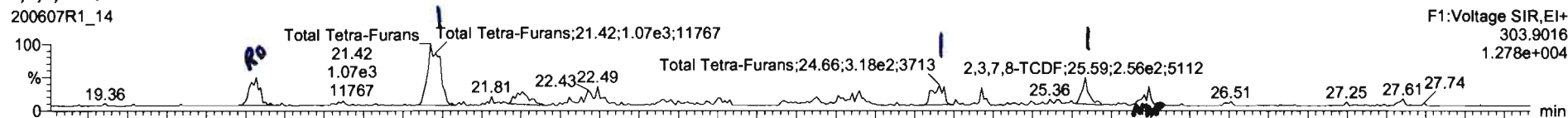


Dataset: Untitled

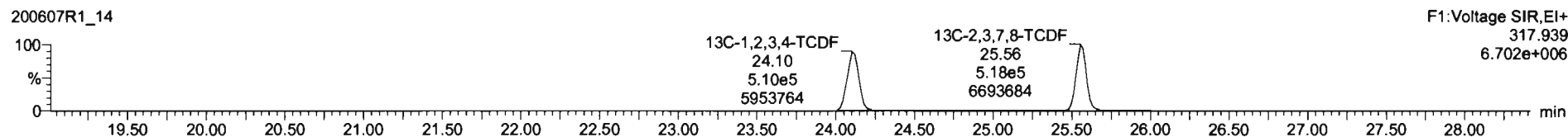
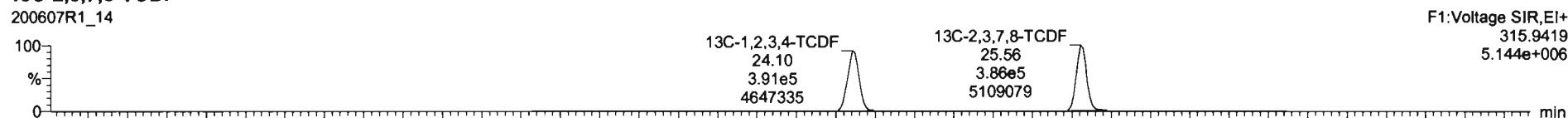
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

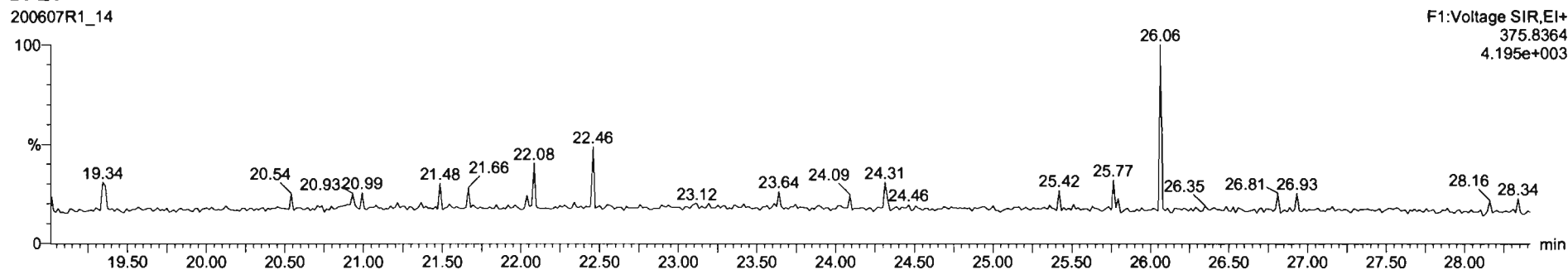
2,3,7,8-TCDF



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

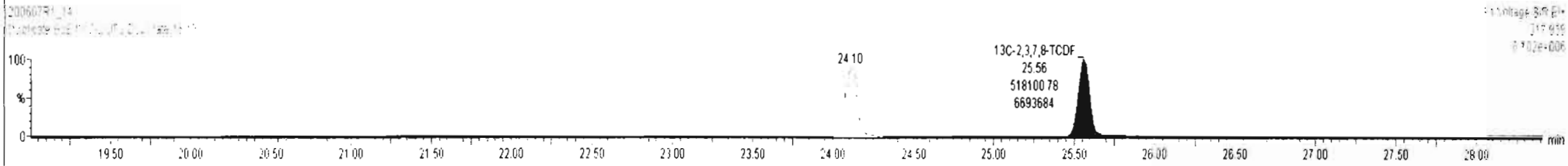
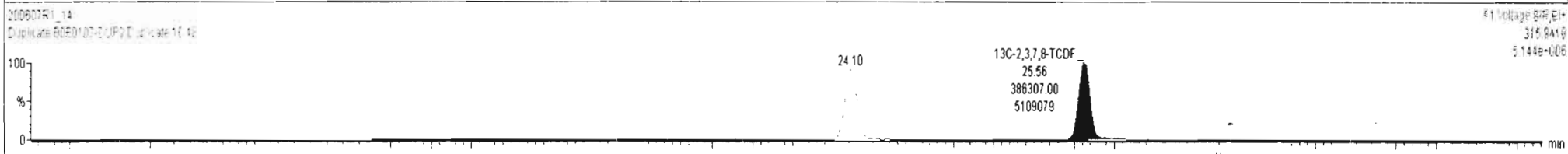
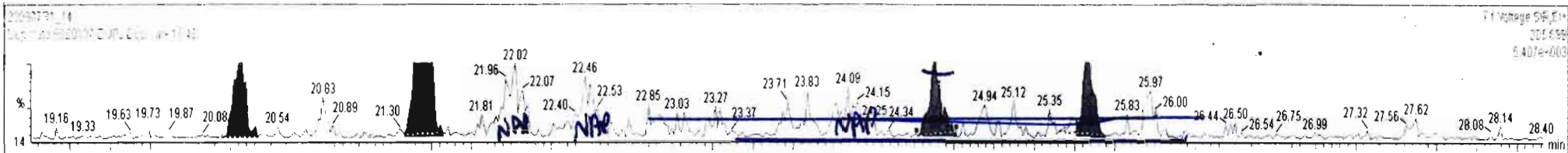
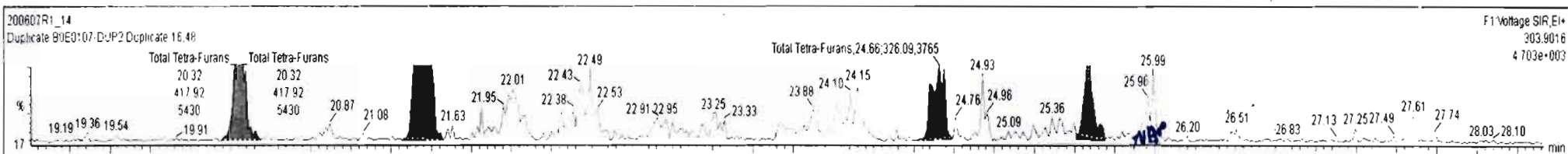


DPE1



Name	Resp	RA	n/y	RRF	wtAvcl	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	16.480			0.704		0.0629	0.835
44 1st Func. Penta-Furans				0.8925	16.480					0.00467	
45 Total Penta-Furans				0.8925	16.480					0.0217	
46 Total Hexa-Furans				0.9341	16.480					0.0205	
47 Total Hepta-Furans				0.8734	16.480					0.0159	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.32	4.179e2	4.139e2	1.01	YES	0.13091	0.00000
2 Total Tetra-Furans	21.42	1.082e3	1.464e3	0.74	NO	0.45488	0.45488
3 Total Tetra-Furans	24.66	3.261e2	3.935e2	0.83	NO	0.12857	0.12857
4 2,3,7,8-TCDF	25.59	2.650e2	3.884e2	0.73	NO	0.12031	0.12031



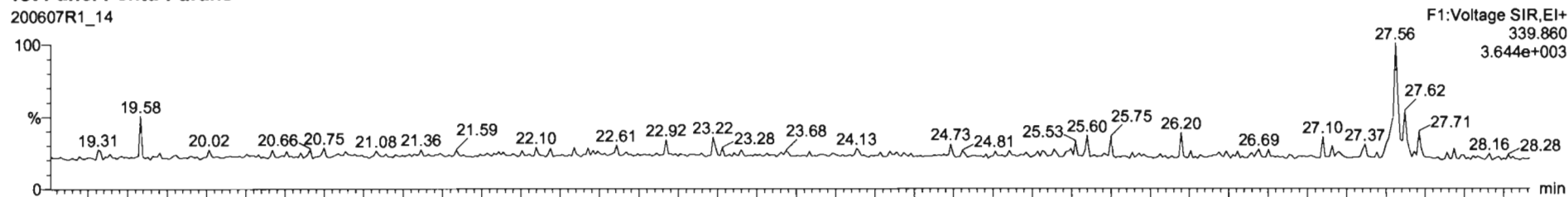
Dataset: Untitled

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

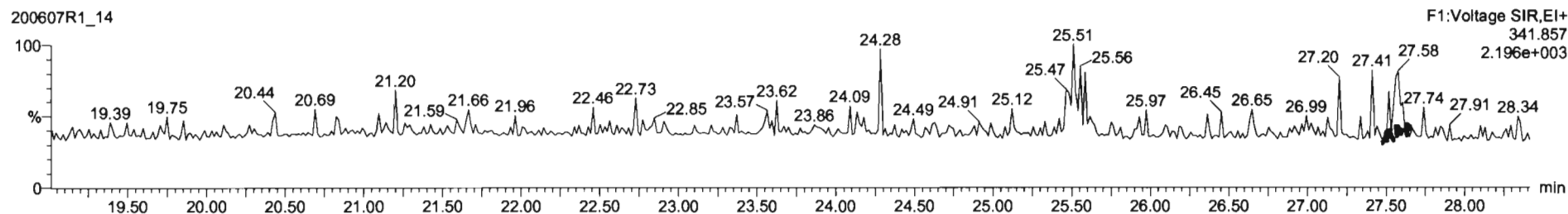
Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

1st Func. Penta-Furans

200607R1_14

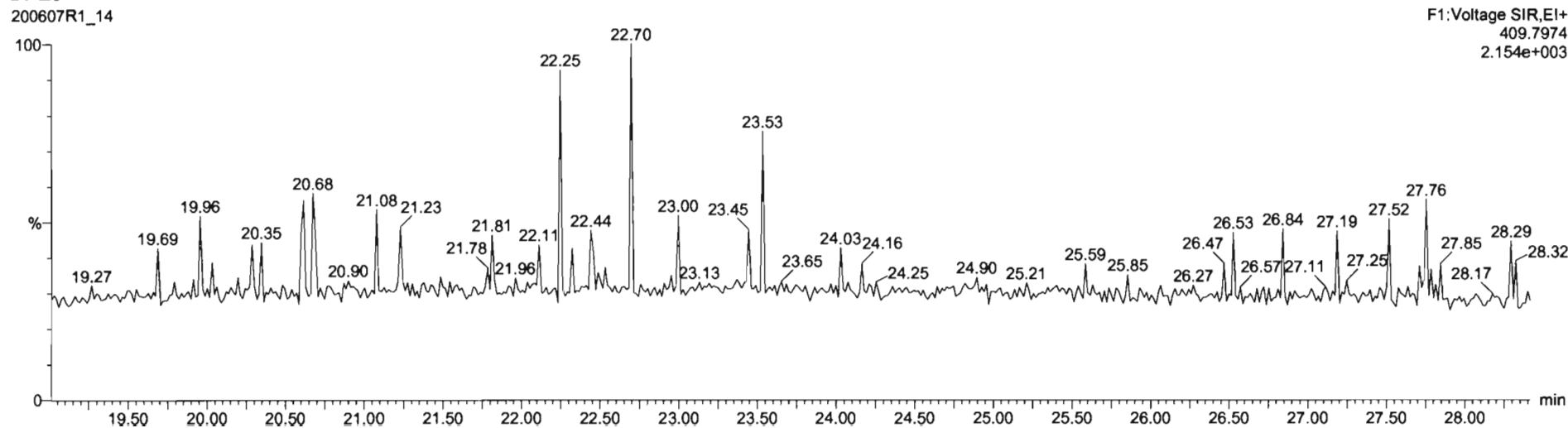


200607R1_14



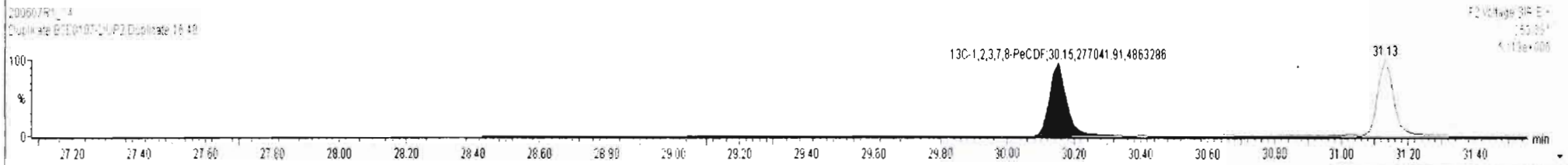
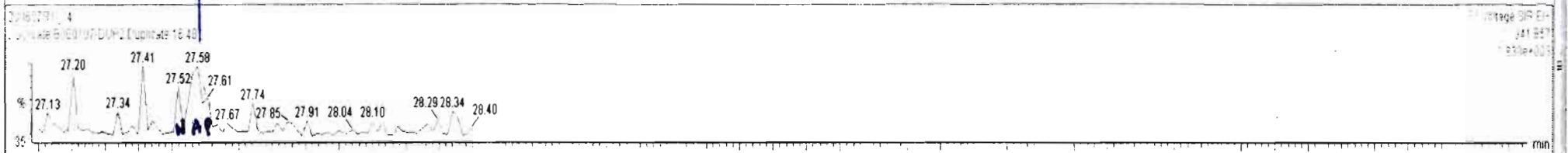
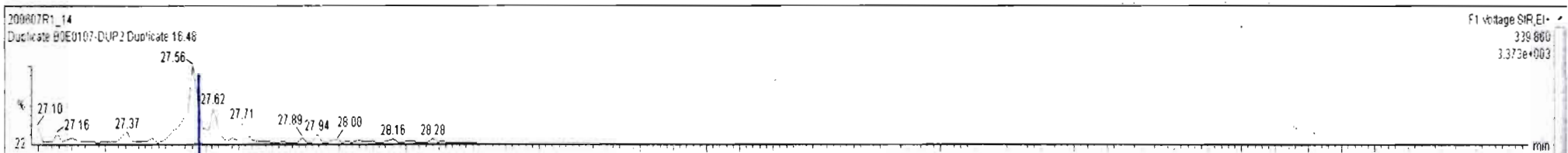
DPE6

200607R1_14



Name	Resp	RA	n/y	RRF	wtAol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	16.480			0.704		0.0629	0.835
44 1st Func. Penta-Furans				0.8925	16.480					0.00467	
45 Total Penta-Furans				0.8925	16.480					0.0217	
46 Total Hexa-Furans				0.9341	16.480					0.0205	
47 Total Hepta-Furans				0.8734	16.480					0.0159	

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



Dataset: Untitled

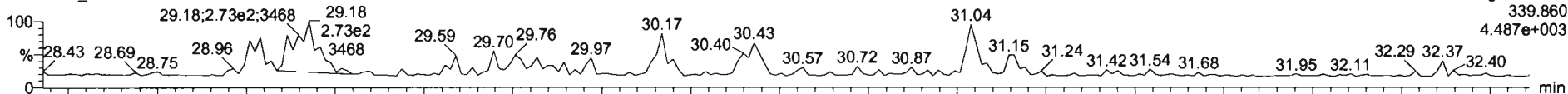
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

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

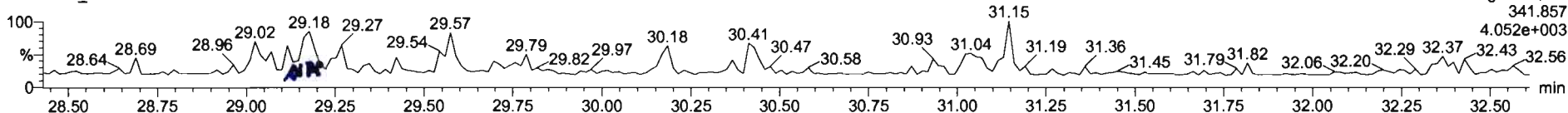
Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

1,2,3,7,8-PeCDF

200607R1_14

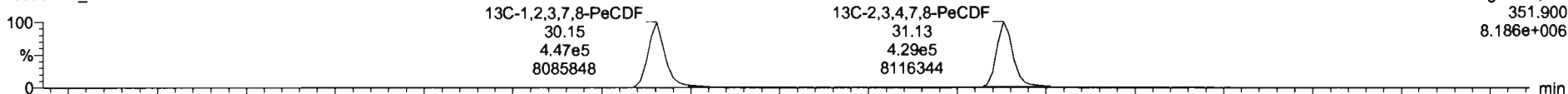


200607R1_14

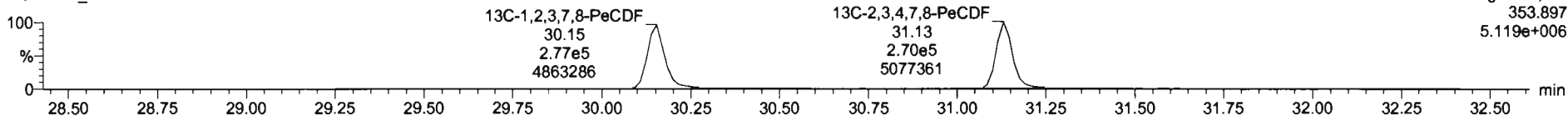


13C-1,2,3,7,8-PeCDF

200607R1_14

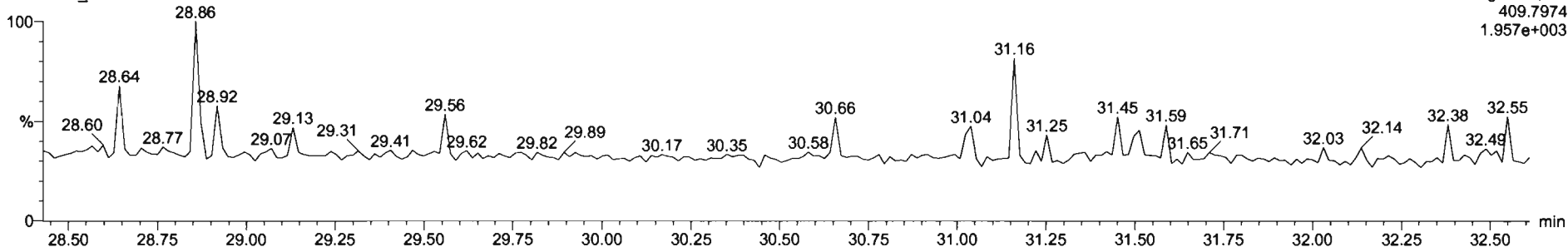


200607R1_14



DPE2

200607R1_14

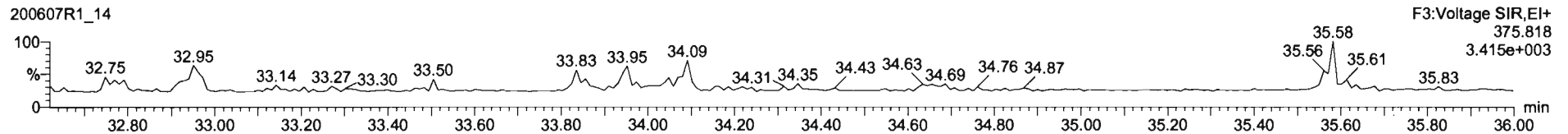
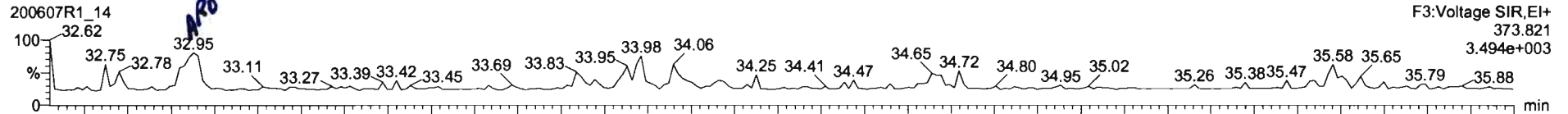


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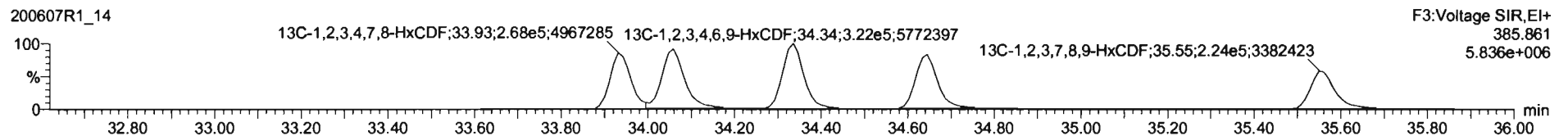
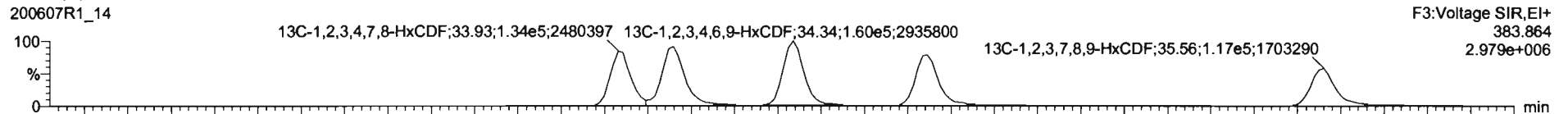
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

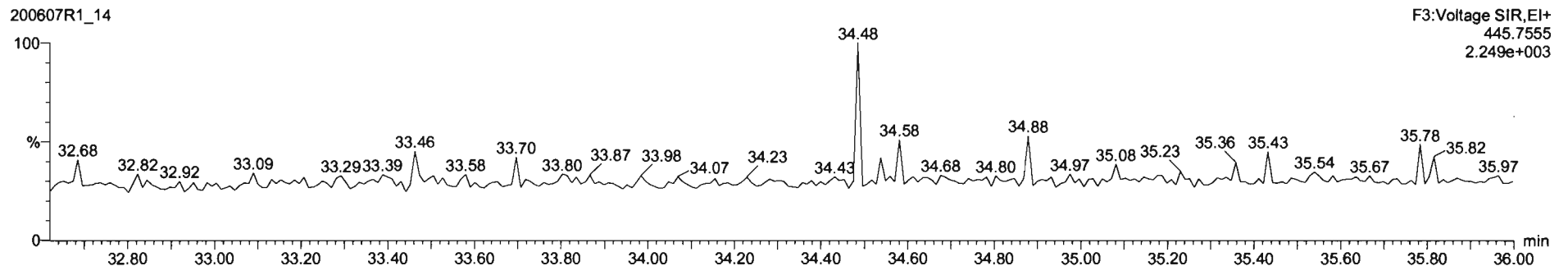
1,2,3,4,7,8-HxCDF



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

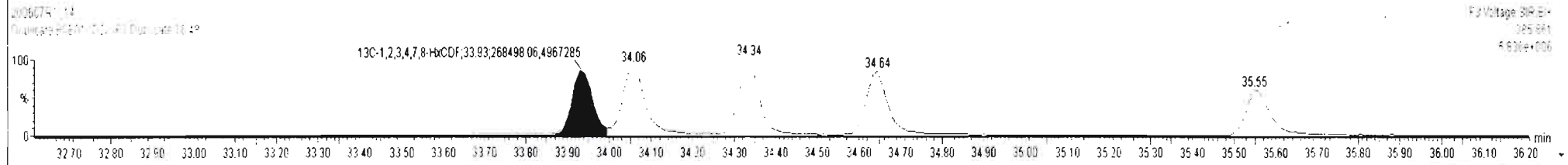
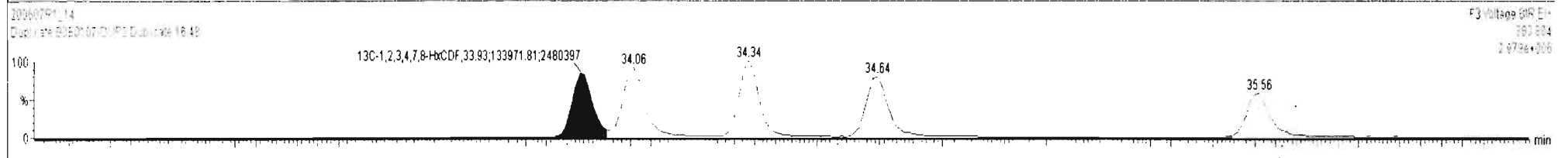
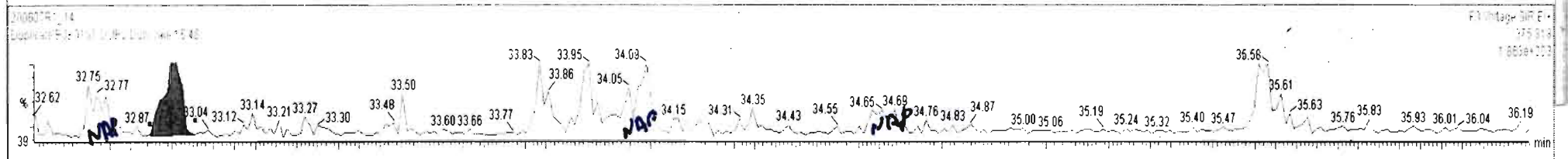
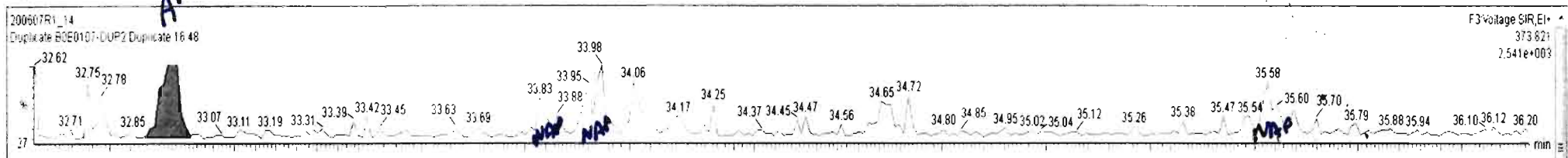


DPE3



Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	16.480			0.704		0.0629	0.835
44 1st Func. Penta-Furans				0.8925	16.480					0.00467	
45 Total Penta-Furans				0.8925	16.480					0.0217	
46 Total Hexa-Furans				0.9341	16.480			0.000		0.0205	0.0392
47 Total Hepta-Furans				0.8734	16.480					0.0159	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.95	9.902e1	5.573e1	1.78	YES	0.039221	0.00000



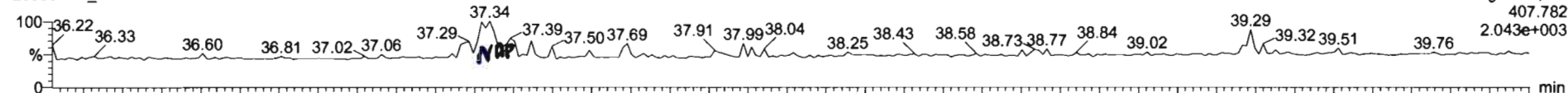
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

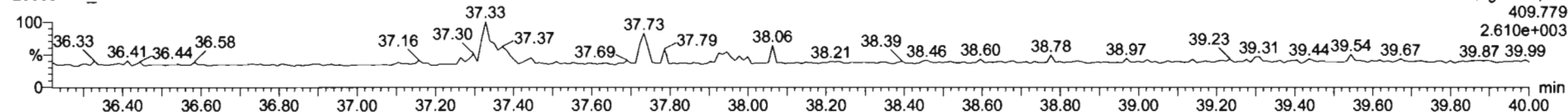
Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

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

200607R1_14

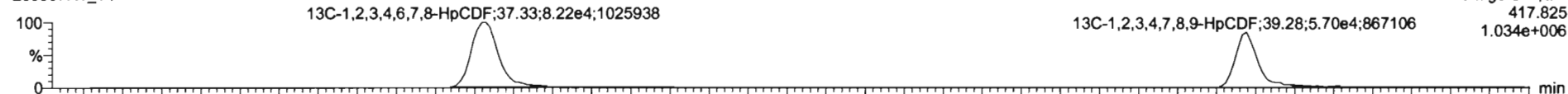


200607R1_14

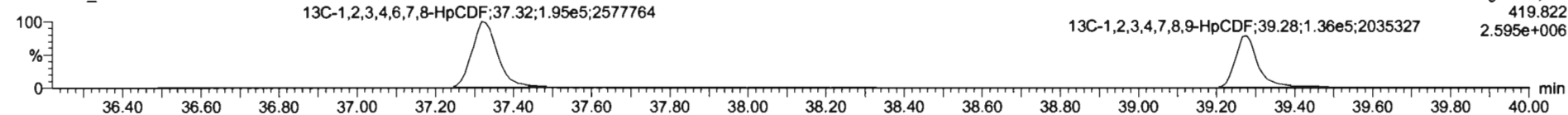


13C-1,2,3,4,6,7,8-HpCDF

200607R1_14

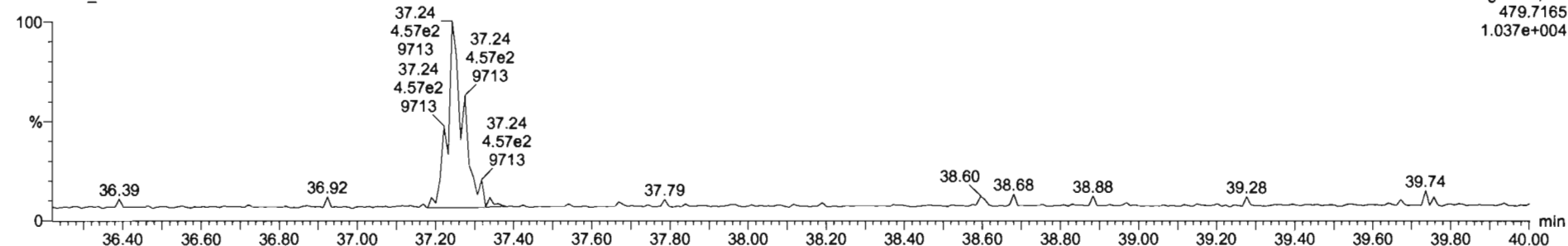


200607R1_14



DPE4

200607R1_14



Dataset: Untitled

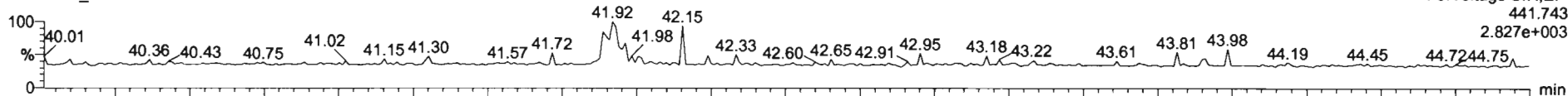
Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

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

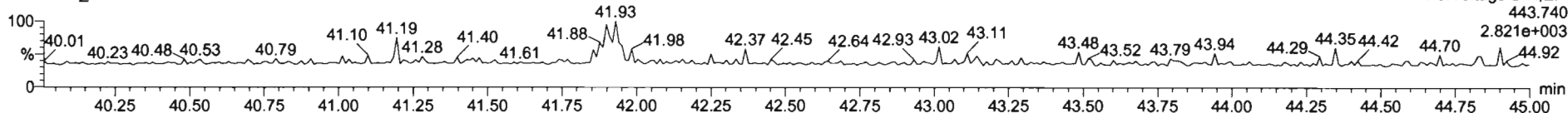
Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

OCDF

200607R1_14

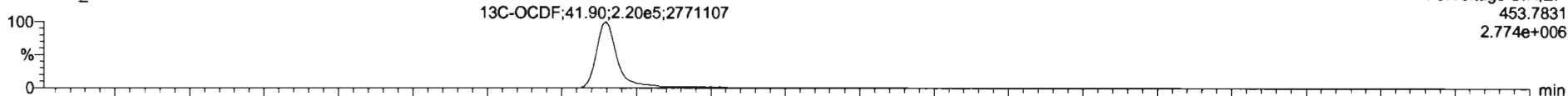


200607R1_14

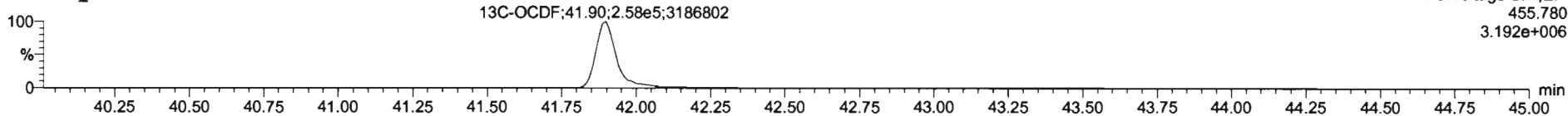


13C-OCDF

200607R1_14

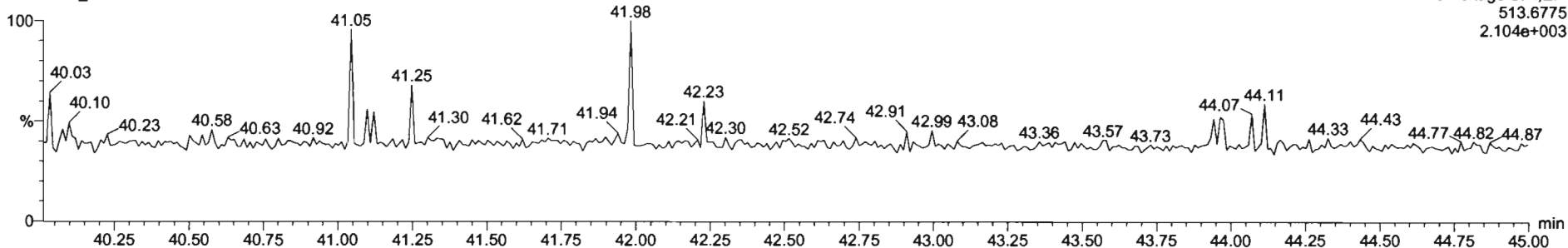


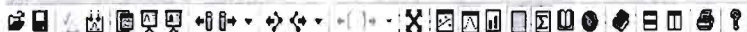
200607R1_14



DPE5

200607R1_14

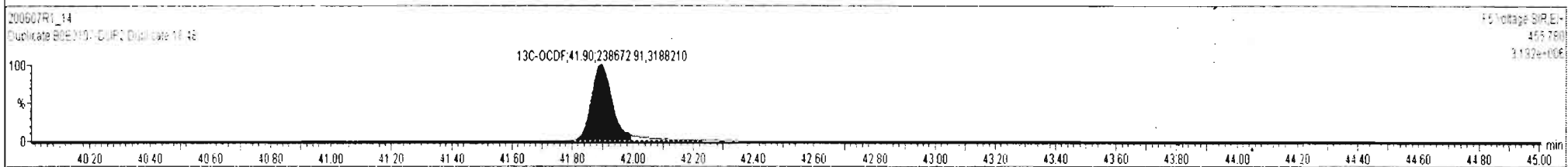
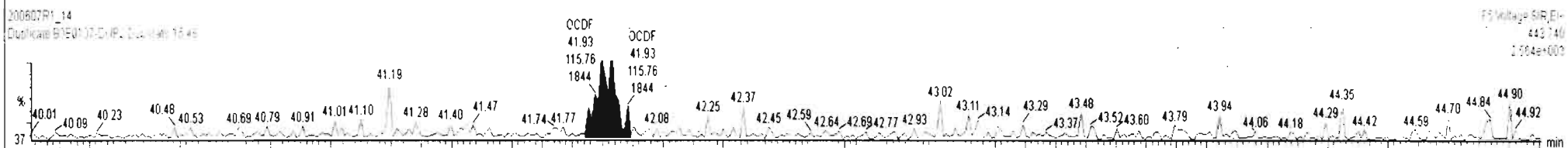
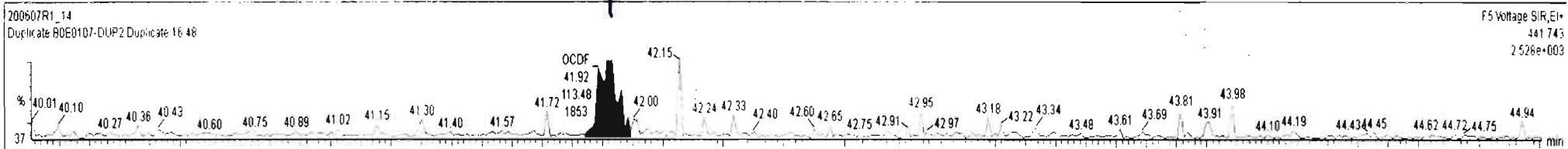




200607R1_14-DUP2-DUP2.Duplicate 16-48

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDP	2.29e2	0.98	NO	0.8065	16.480	41.92	1.001	0.154	0.0703	0.154
18	13C-2,3,7,8-TCDD	6.71e5	0.77	NO	1.1563	16.480	26.45	1.026	115	94.8	0.152
19	13C-1,2,3,7,8-PeCDD	4.77e5	0.63	NO	0.8490	16.480	31.43	1.219	111	91.8	0.328
20	13C-1,2,3,4,7,8-HxCDD	3.01e5	1.31	NO	0.7790	16.480	34.81	1.014	97.4	80.2	0.402
21	13C-1,2,3,6,7,8-HxCDD	3.97e5	1.29	NO	1.0167	16.480	34.91	1.017	98.2	80.9	0.308

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.



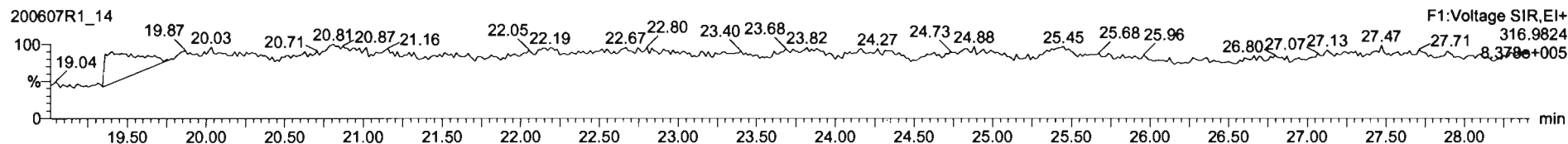
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Last Altered: Monday, June 08, 2020 07:40:53 Pacific Daylight Time

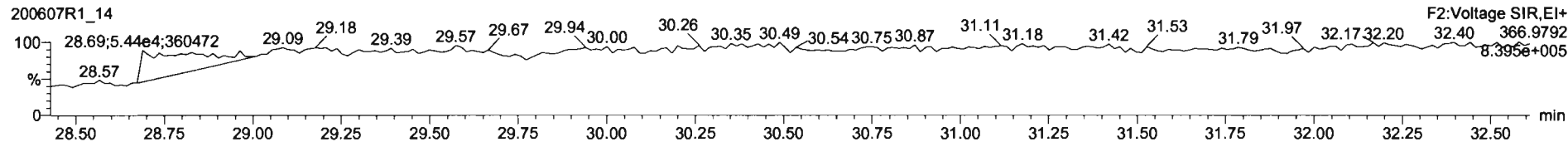
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Name: 200607R1_14, Date: 07-Jun-2020, Time: 18:43:49, ID: B0E0107-DUP2 Duplicate 16.48, Description: Duplicate

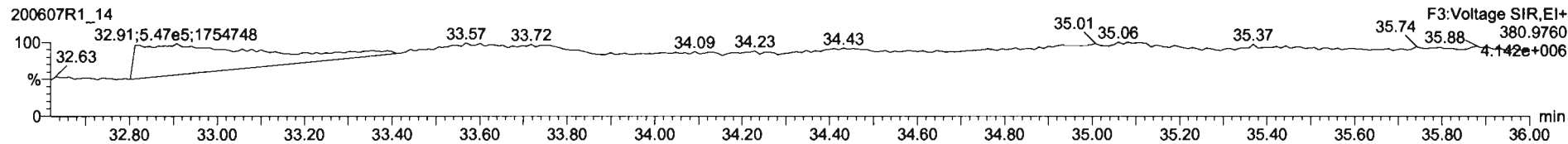
PFK1



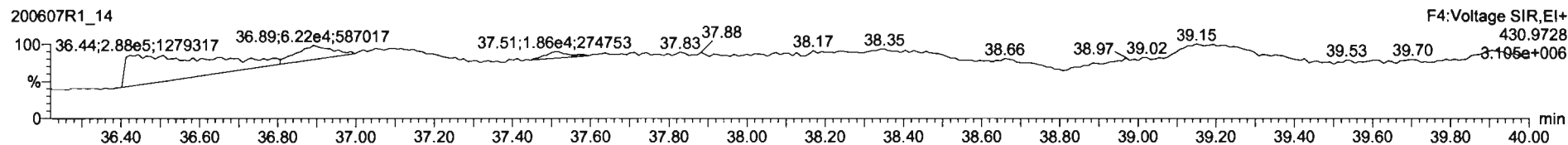
PFK2



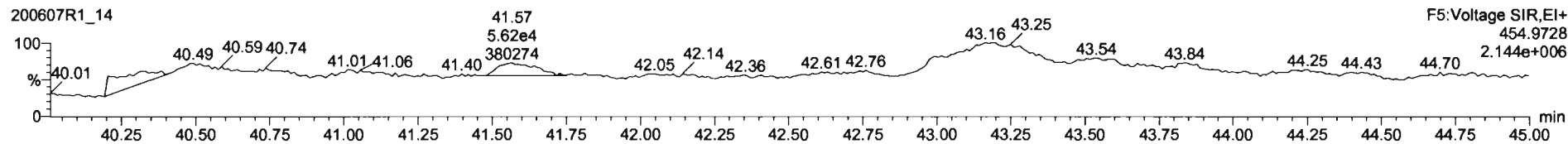
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200607R1\200607R1-15B.qld

Last Altered: Tuesday, June 09, 2020 3:42:22 PM Pacific Daylight Time
Printed: Tuesday, June 09, 2020 3:50:27 PM Pacific Daylight Time

dy 06-09-2020

C706/25/2020

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

Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.081	26.486		1.001				0.0748	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.081	31.457		1.001				0.0936	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.081	34.814		1.000				0.138	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.081	34.911		1.000				0.147	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.081	35.199		1.000				0.178	
6	6 1,2,3,4,6,7,8-HpCDD	9.81e2	0.93	NO	0.864	10.081	38.736	38.73	1.000	1.000	0.80487		0.260	0.805
7	7 OCDD	4.88e3	0.90	NO	0.914	10.081	41.716	41.74	1.000	1.001	4.9394		0.268	4.94
8	8 2,3,7,8-TCDF	9.81e2	0.76	NO	0.751	10.081	25.597	25.59	1.001	1.001	0.27350		0.0910	0.273
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.081	30.175		1.001				0.0729	
10	10 2,3,4,7,8-PeCDF	3.33e2	1.10	YES	0.935	10.081	31.161	31.15	1.001	1.000	0.091635		0.0459	0.0790
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.081	33.931		1.000				0.0547	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.081	34.069		1.000				0.0511	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.081	34.669		1.001				0.0561	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.081	35.550		1.000				0.0801	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.081	37.355		1.001				0.0558	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.081	39.278		1.000				0.0610	
17	17 OCDF			NO	0.806	10.081	41.919		1.000				0.0959	
18	18 13C-2,3,7,8-TCDD	7.30e5	0.76	NO	1.16	10.081	26.491	26.45	1.026	1.025	191.08	96.3	0.234	
19	19 13C-1,2,3,7,8-PeCDD	5.32e5	0.65	NO	0.849	10.081	31.674	31.43	1.227	1.218	189.76	95.6	0.317	
20	20 13C-1,2,3,4,7,8-HxCDD	3.67e5	1.28	NO	0.779	10.081	34.820	34.80	1.014	1.014	178.45	89.9	0.499	
21	21 13C-1,2,3,6,7,8-HxCDD	4.61e5	1.27	NO	1.02	10.081	34.933	34.91	1.017	1.017	171.75	86.6	0.382	
22	22 13C-1,2,3,7,8,9-HxCDD	3.93e5	1.26	NO	0.903	10.081	35.205	35.19	1.025	1.025	164.98	83.2	0.431	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.80e5	1.06	NO	0.689	10.081	38.728	38.72	1.128	1.128	153.88	77.6	0.456	
24	24 13C-OCDD	4.29e5	0.87	NO	0.652	10.081	41.749	41.72	1.216	1.215	249.35	62.8	0.880	
25	25 13C-2,3,7,8-TCDF	9.48e5	0.76	NO	1.06	10.081	25.534	25.57	0.989	0.991	181.75	91.6	0.348	
26	26 13C-1,2,3,7,8-PeCDF	7.99e5	1.58	NO	0.838	10.081	30.058	30.15	1.165	1.168	193.60	97.6	0.510	
27	27 13C-2,3,4,7,8-PeCDF	7.69e5	1.60	NO	0.817	10.081	31.011	31.13	1.202	1.206	191.17	96.4	0.524	
28	28 13C-1,2,3,4,7,8-HxCDF	4.53e5	0.50	NO	1.01	10.081	33.951	33.93	0.989	0.988	170.28	85.8	0.707	
29	29 13C-1,2,3,6,7,8-HxCDF	5.50e5	0.51	NO	1.17	10.081	34.075	34.06	0.992	0.992	178.49	90.0	0.611	
30	30 13C-2,3,4,6,7,8-HxCDF	4.66e5	0.50	NO	1.02	10.081	34.648	34.63	1.009	1.009	172.92	87.2	0.697	

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-15B.qld

Last Altered: Tuesday, June 09, 2020 3:42:22 PM Pacific Daylight Time

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Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.88e5	0.47	NO	0.860	10.081	35.548	35.55	1.035	1.035	171.17	86.3	0.829	
32	13C-1,2,3,4,6,7,8-HpCDF	3.20e5	0.43	NO	0.774	10.081	37.296	37.32	1.086	1.087	156.71	79.0	0.550	
33	13C-1,2,3,4,7,8,9-HpCDF	2.21e5	0.42	NO	0.521	10.081	39.325	39.28	1.145	1.144	160.47	80.9	0.818	
34	13C-OCDF	5.15e5	0.85	NO	0.746	10.081	41.921	41.92	1.221	1.221	261.70	66.0	0.650	
35	37Cl-2,3,7,8-TCDD	2.73e5			1.04	10.081	26.522	26.48	1.028	1.026	79.749	100	0.114	
36	13C-1,2,3,4-TCDD	6.56e5	0.78	NO	1.00	10.081	25.890	25.81	1.000	1.000	198.39	100	0.270	
37	13C-1,2,3,4-TCDF	9.77e5	0.79	NO	1.00	10.081	24.360	24.12	1.000	1.000	198.39	100	0.368	
38	13C-1,2,3,4,6,9-HxCDF	5.23e5	0.50	NO	1.00	10.081	34.420	34.34	1.000	1.000	198.39	100	0.713	
39	39 Total Tetra-Dioxins				0.888	10.081	24.620		0.000		0.19096		0.0748	0.486
40	40 Total Penta-Dioxins				0.908	10.081	29.960		0.000		0.31092		0.0936	0.311
41	41 Total Hexa-Dioxins				0.892	10.081	33.635		0.000		0.94435		0.160	0.944
42	42 Total Hepta-Dioxins				0.864	10.081	37.640		0.000		1.9921		0.260	1.99
43	43 Total Tetra-Furans				0.751	10.081	23.610		0.000		1.6859		0.0910	1.81
44	44 1st Func. Penta-Furans				0.893	10.081	27.580		0.000		0.00000		0.00611	0.0706
45	45 Total Penta-Furans				0.893	10.081	29.275		0.000		0.00000		0.0462	0.0790
46	46 Total Hexa-Furans				0.934	10.081	33.555		0.000		0.00000		0.0249	0.0710
47	47 Total Hepta-Furans				0.873	10.081	37.835		0.000				0.0402	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-15B.qld

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Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.46	2.851e3	4.258e3	2.643e2	3.599e2	0.73	NO	6.243e2	0.19096	0.19096	0.0748
2	Total Tetra-Dioxins	22.88	3.235e3	3.073e3	3.114e2	2.750e2	1.13	YES	0.000e0	0.00000	0.14887	0.0748
3	Total Tetra-Dioxins	24.33	3.461e3	4.197e3	2.841e2	2.690e2	1.06	YES	0.000e0	0.00000	0.14567	0.0748

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	3.229e3	3.950e3	1.575e2	2.280e2	0.69	NO	3.856e2	0.15824	0.15824	0.0936
2	Total Penta-Dioxins	29.70	3.046e3	4.716e3	1.525e2	2.195e2	0.69	NO	3.720e2	0.15268	0.15268	0.0412

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	1.237e4	1.053e4	6.076e2	4.976e2	1.22	NO	1.105e3	0.60408	0.60408	0.160
2	Total Hexa-Dioxins	34.13	5.479e3	5.869e3	3.387e2	2.838e2	1.19	NO	6.225e2	0.34027	0.34027	0.160

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.73	1.073e4	8.511e3	7.455e2	7.009e2	1.06	NO	1.446e3	1.1872	1.1872	0.260
2	1,2,3,4,6,7,8-HpCDD	38.73	8.027e3	8.488e3	4.726e2	5.079e2	0.93	NO	9.806e2	0.80487	0.80487	0.260

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-15B.qld

Last Altered: Tuesday, June 09, 2020 3:42:22 PM Pacific Daylight Time

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Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.30	2.298e3	5.819e3	1.999e2	3.645e2	0.55	YES	0.000e0	0.00000	0.12806	0.0910
2	Total Tetra-Furans	21.45	9.753e3	1.388e4	8.341e2	1.186e3	0.70	NO	2.020e3	0.56309	0.56309	0.0910
3	Total Tetra-Furans	22.02	3.830e3	4.400e3	3.987e2	4.957e2	0.80	NO	8.945e2	0.24928	0.24928	0.0910
4	Total Tetra-Furans	24.15	4.311e3	2.659e3	2.541e2	2.966e2	0.86	NO	5.508e2	0.15349	0.15349	0.0910
5	Total Tetra-Furans	24.66	5.646e3	8.989e3	4.230e2	5.841e2	0.72	NO	1.007e3	0.28066	0.28066	0.0910
6	2,3,7,8-TCDF	25.59	5.772e3	8.163e3	4.241e2	5.572e2	0.76	NO	9.813e2	0.27350	0.27350	0.0910
7	Total Tetra-Furans	25.98	3.667e3	5.030e3	2.577e2	3.376e2	0.76	NO	5.953e2	0.16591	0.16591	0.0910

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.59	3.362e3	1.384e3	2.242e2	9.767e1	2.30	YES	0.000e0	0.00000	0.070624	0.00611

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	2,3,4,7,8-PeCDF	31.15	3.172e3	3.542e3	1.739e2	1.588e2	1.10	YES	3.326e2	0.00000	0.078980	0.0439

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.94	2.053e3	2.502e3	8.583e1	1.108e2	0.77	YES	0.000e0	0.00000	0.070953	0.0249

Hepta-Furans

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

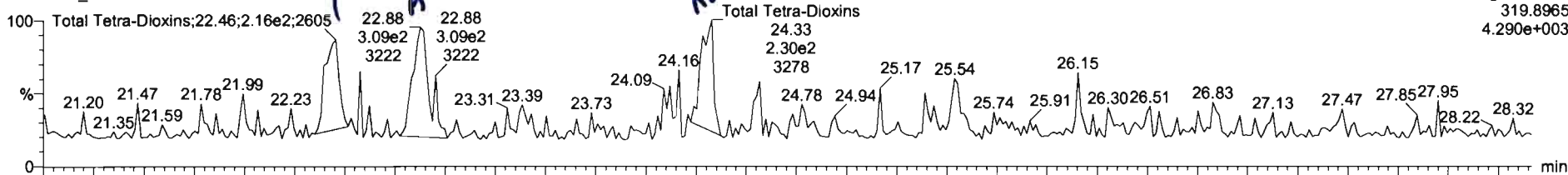
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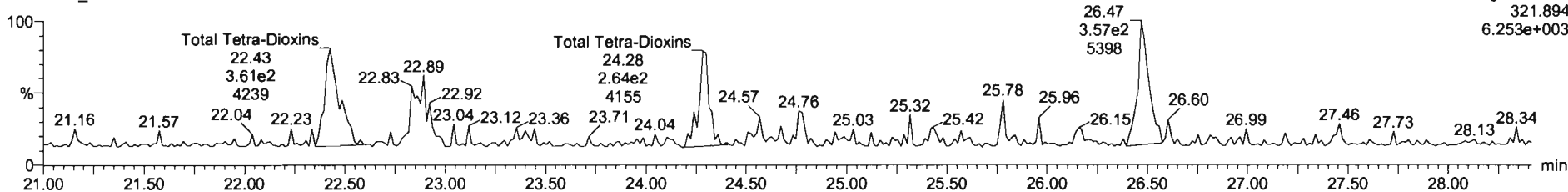
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2,3,7,8-TCDD

200607R1_15

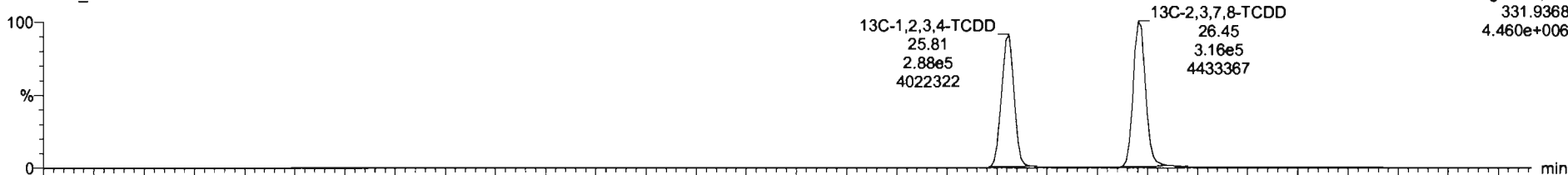


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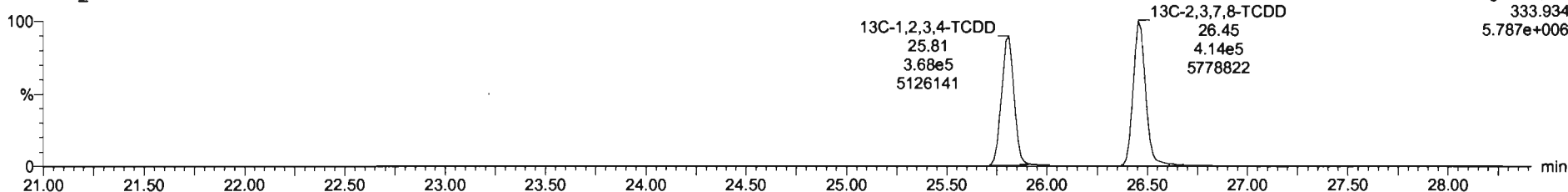


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200607R1_15



200607R1_15

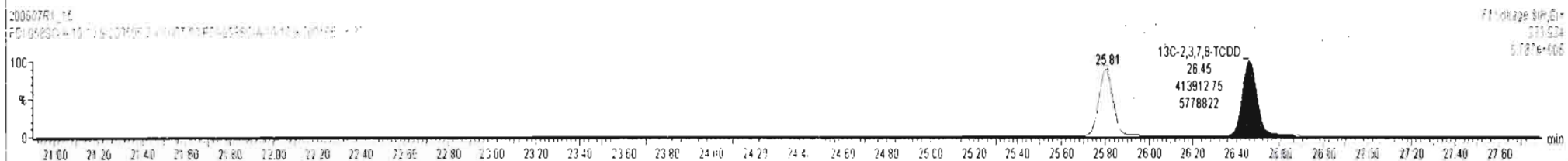
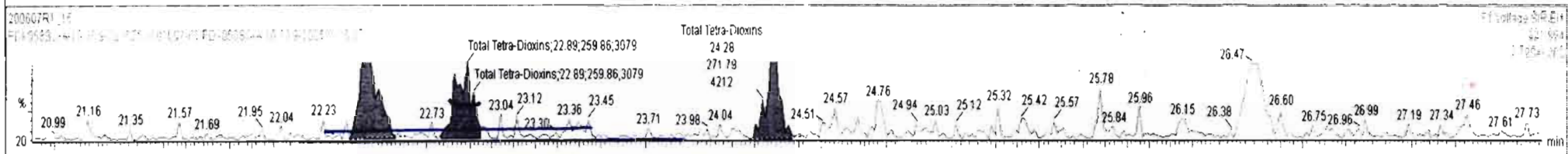
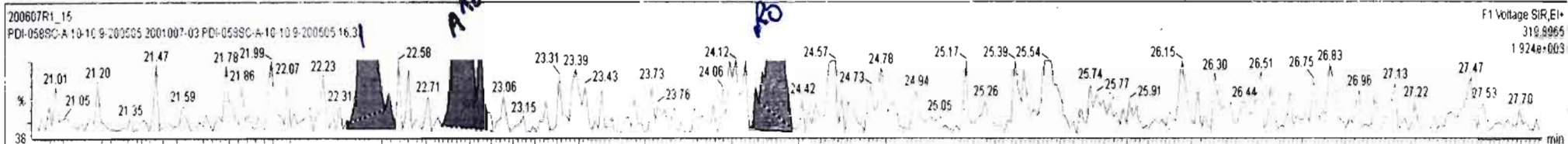




200607R1_15 - 2001007-03 PDI-0585C-A-10-10-9-200505 16.37 - PDI-0585C-A-10-10-9-200505

Name	Resp	RA	nly	RRF	wtVol	RT	RR1	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.081			0.194		0.0748	0.482
40 Total Penta-Dioxins				0.9081	10.081					0.0412	
41 Total Hexa-Dioxins				0.8923	10.081			0.594		0.160	0.594
42 Total Hepta-Dioxins				0.8639	10.081			1.04		0.260	1.64
43 Total Tetra-Furans				0.7510	10.081			0.984		0.0910	1.53

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Dioxins	22.46	2.673e2	3.669e2	0.73	NO	0.19401	0.19401
2 Total Tetra-Dioxins	22.86	3.009e2	2.599e2	1.16	YES	0.14070	0.00000
3 Total Tetra-Dioxins	24.33	2.823e2	2.718e2	1.04	YES	0.14716	0.00000



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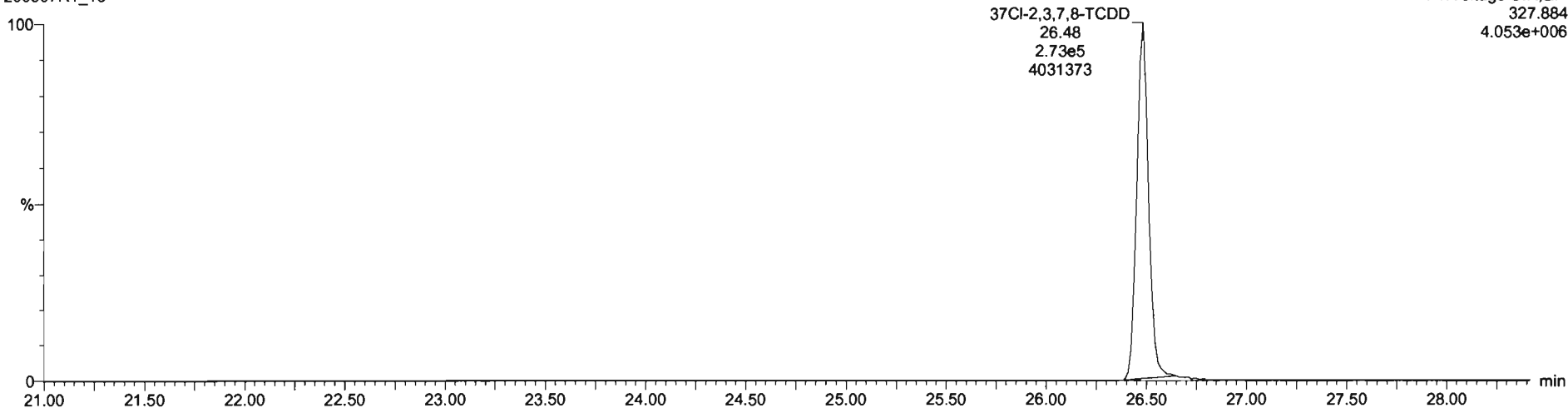
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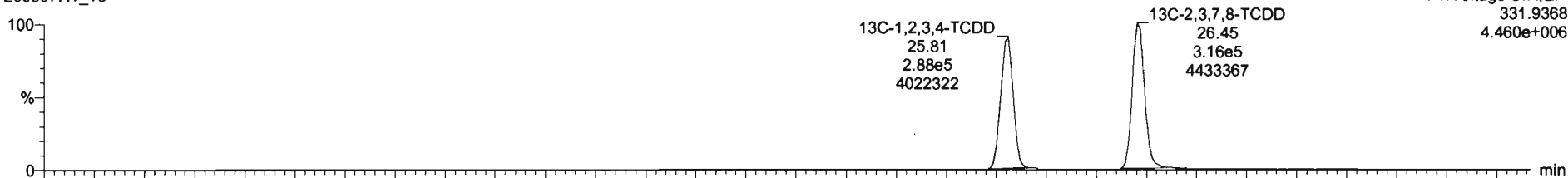
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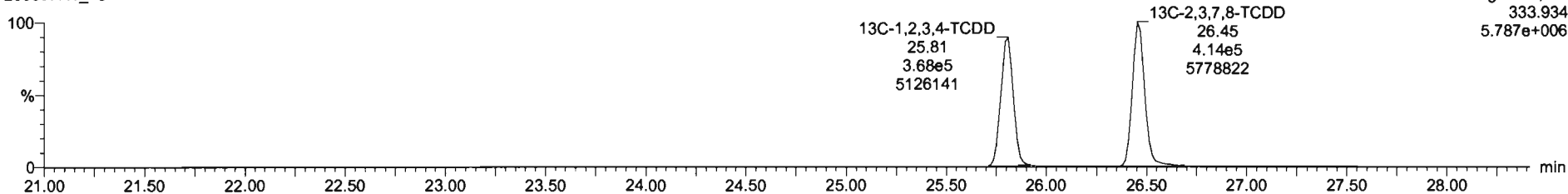


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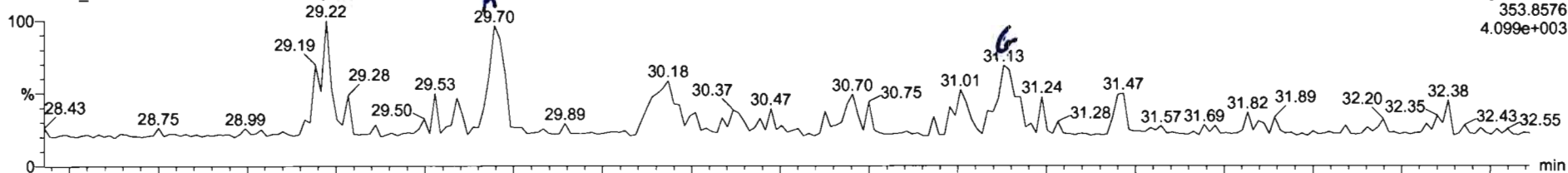
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** July 06-09-2020*

Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505

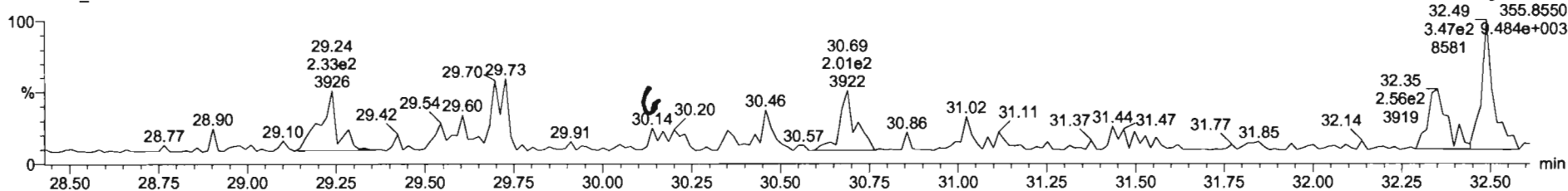
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F2:Voltage SIR,EI+
353.8576
4.099e+003

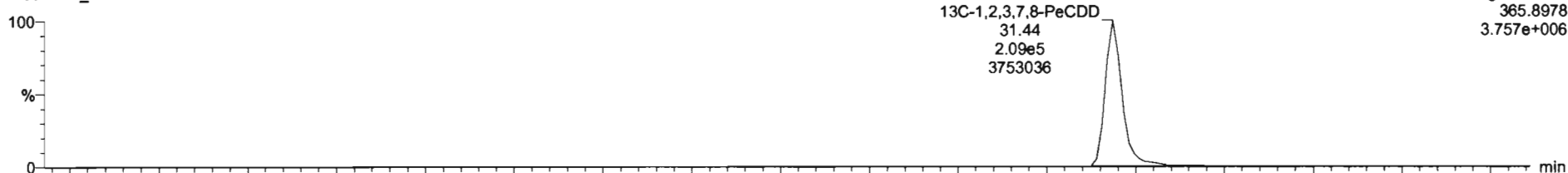
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F2:Voltage SIR,EI+
32.49 355.8550
3.47e2 3.484e+003
8581

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

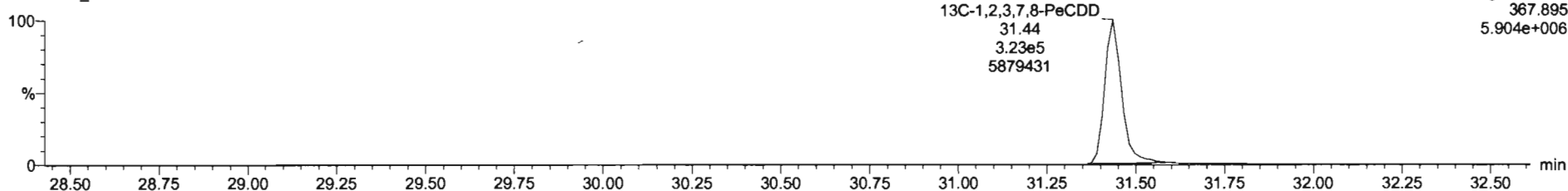
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13C-1,2,3,7,8-PeCDD
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2.09e5
3753036

F2:Voltage SIR,EI+
365.8978
3.757e+006

200607R1_15

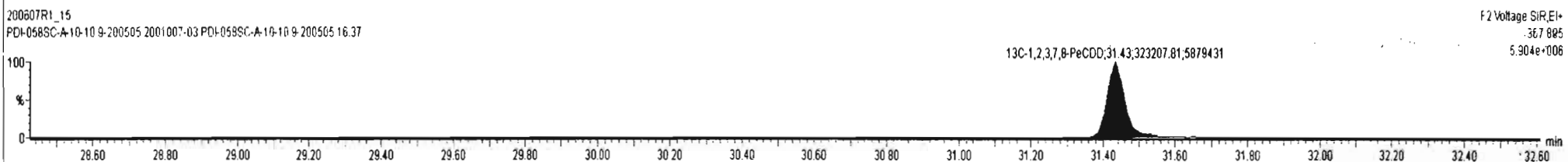
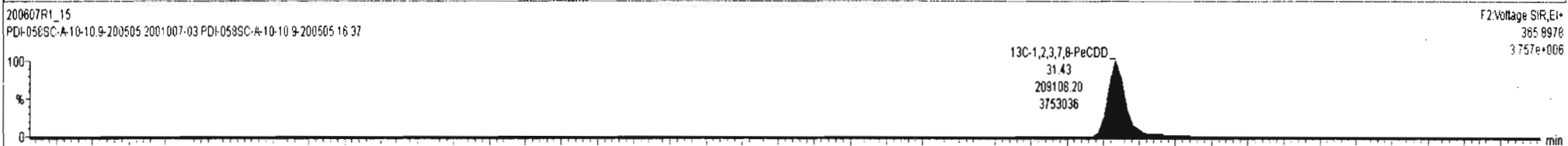
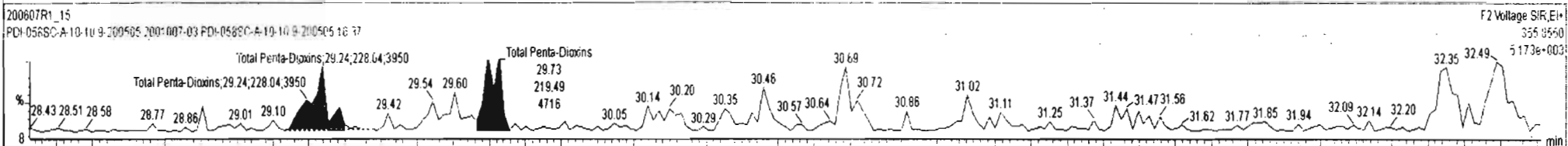
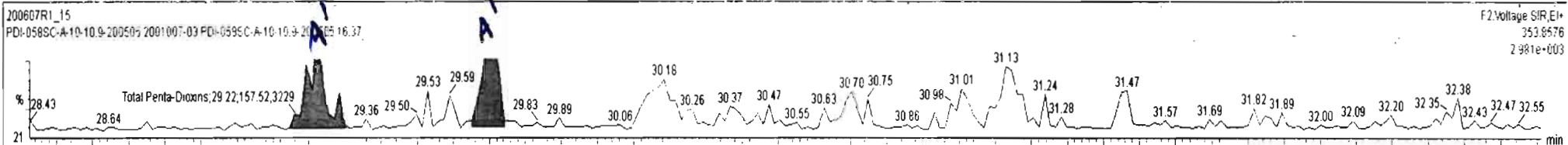


13C-1,2,3,7,8-PeCDD
31.44
3.23e5
5879431

F2:Voltage SIR,EI+
367.895
5.904e+006

Name	Resp	RA	n/y	RRF	wtAvol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8863	10.081			0.191		0.0748	0.486
40 Total Penta-Dioxins				0.9081	10.081			0.311		0.0936	0.311
41 Total Hexa-Dioxins				0.8923	10.081			0.594		0.160	0.594
42 Total Hepta-Dioxins				0.8639	10.081			1.04		0.260	1.64
43 Total Tetra-Furans				0.7510	10.081			0.994		0.0910	1.53

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	1.575e2	2.280e2	0.69	NO	0.15824	0.15824
2 Total Penta-Dioxins	29.70	1.525e2	2.195e2	0.69	NO	0.15268	0.15268



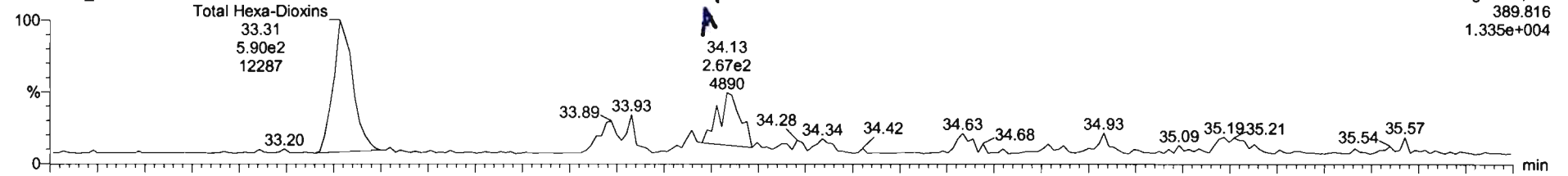
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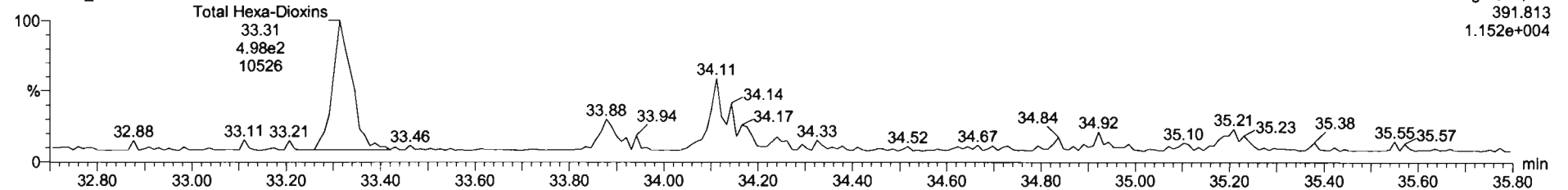
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1,2,3,4,7,8-HxCDD

200607R1_15

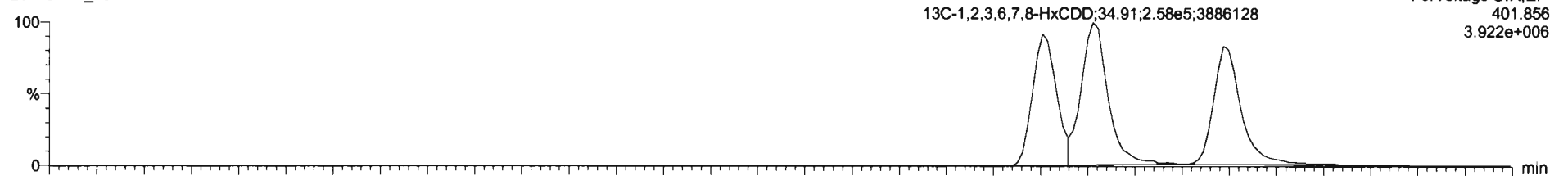


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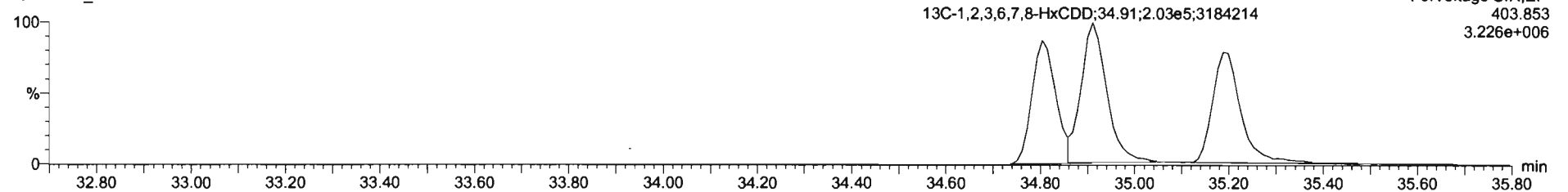


13C-1,2,3,4,7,8-HxCDD

200607R1_15



200607R1_15



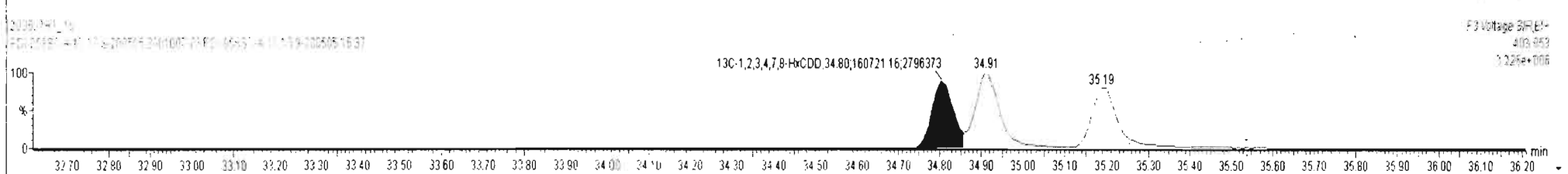
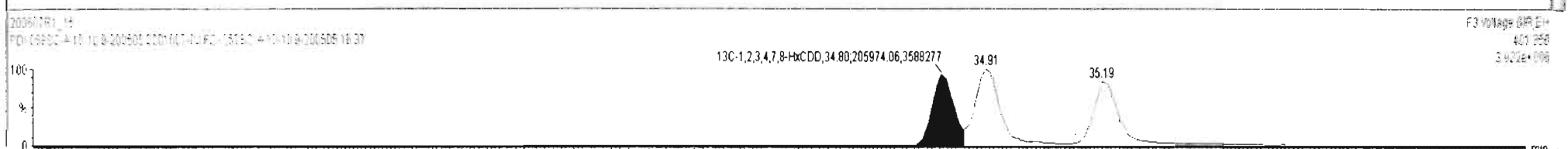
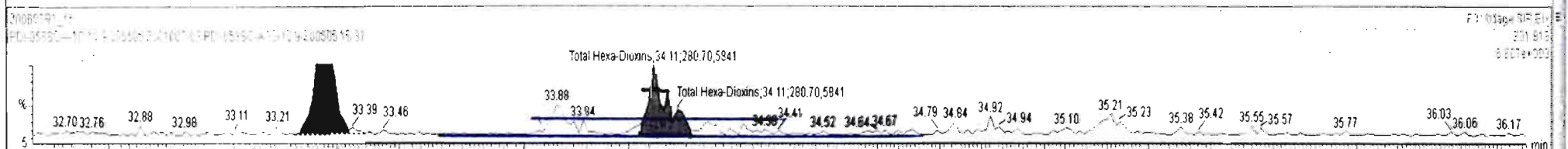
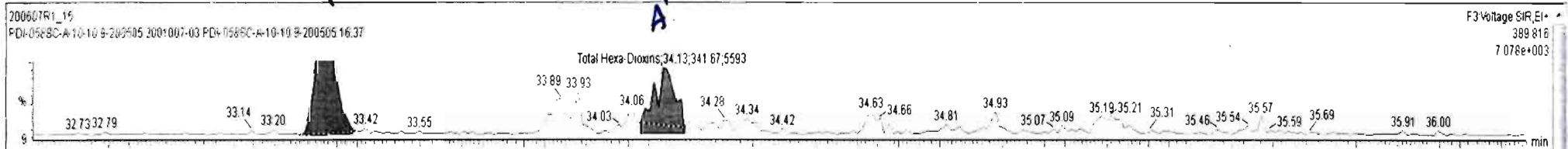
Targetlynx - 200607R1-15* - [Chromatogram]

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200607R1_15-20110710-03-058BC-A-10-10-9-200505-16-37-03-03-A-10-9-200505

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.081			0.194		0.0748	0.482
40 Total Penta-Dioxins				0.9081	10.081			0.154		0.0412	0.279
41 Total Hexa-Dioxins				0.8923	10.081			0.936		0.160	0.936
42 Total Hepta-Dioxins				0.8639	10.081			1.04		0.260	1.64
43 Total Tetra-Furans				0.7510	10.081			0.994		0.0910	1.53

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	6.051e2	4.847e2	1.25	NO	0.59570	0.59570
2 Total Hexa-Dioxins	34.13	3.417e2	2.807e2	1.22	NO	0.34020	0.34020



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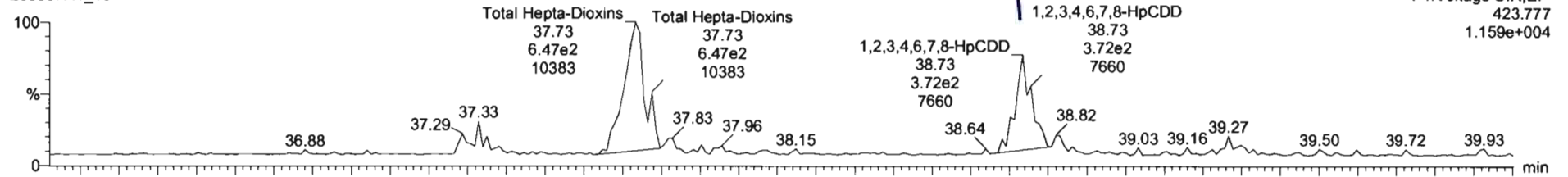
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Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505

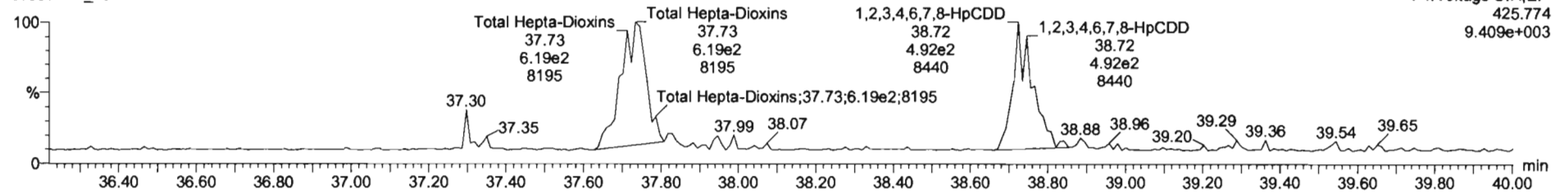
1,2,3,4,6,7,8-HpCDD

200607R1_15



F4: Voltage SIR, EI+
423.777
1.159e+004

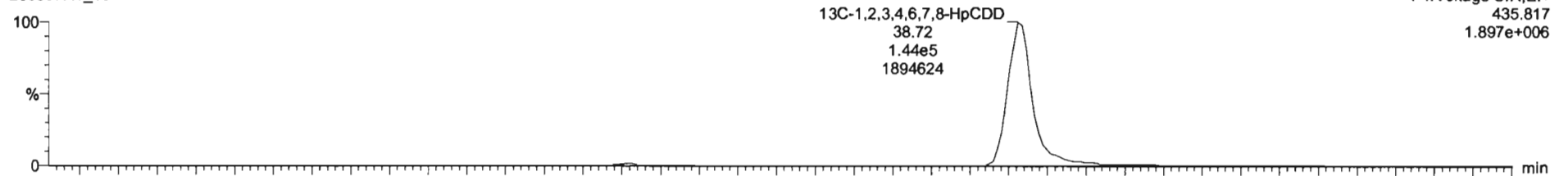
200607R1_15



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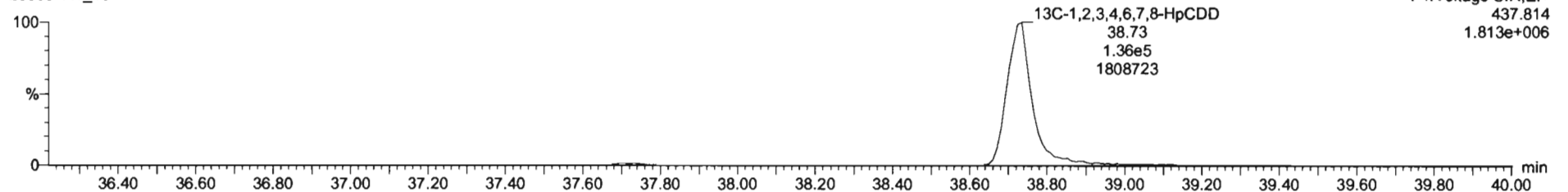
13C-1,2,3,4,6,7,8-HpCDD

200607R1_15



F4: Voltage SIR, EI+
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1.897e+006

200607R1_15

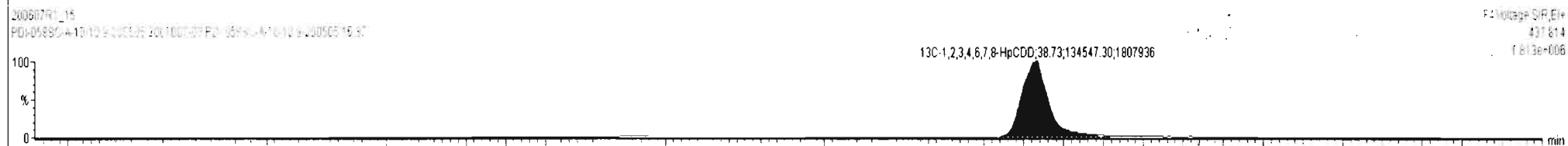
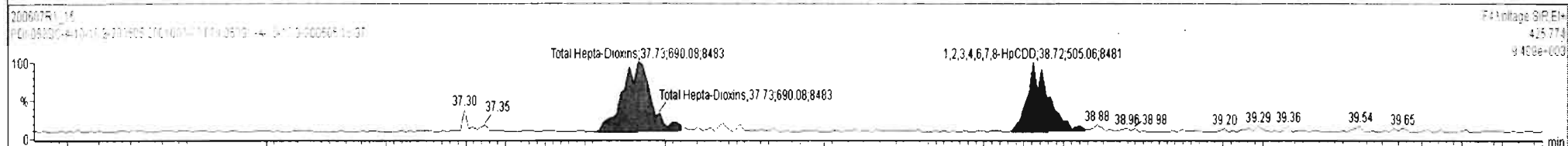
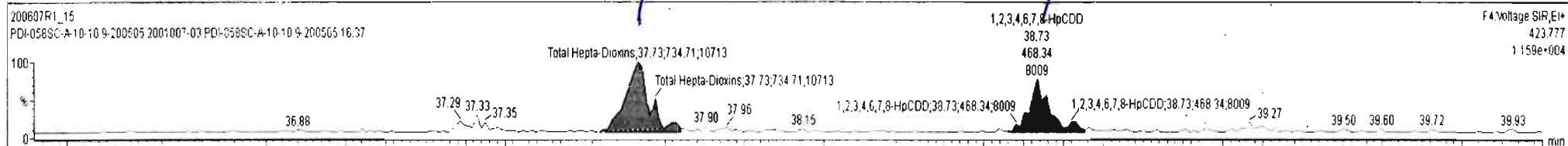


F4: Voltage SIR, EI+
437.814
1.813e+006

200607R1_15 - 2001007-03.PDI-0585C-A-10-10-9-200505 16:37 - PDI-0585C-A-10-10-9-200505

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				0.8639	10.081			2.00		0.128	2.00
43 Total Tetra-Furans				0.7510	10.081			0.937		0.0910	1.62
44 1st Func. Penta-Furans				0.8925	10.081			0.000		0.00611	0.0705
45 Total Penta-Furans				0.8925	10.081			0.000		0.0462	0.0846
46 Total Hexa-Furans				0.9341	10.081			0.000		0.0249	0.0693

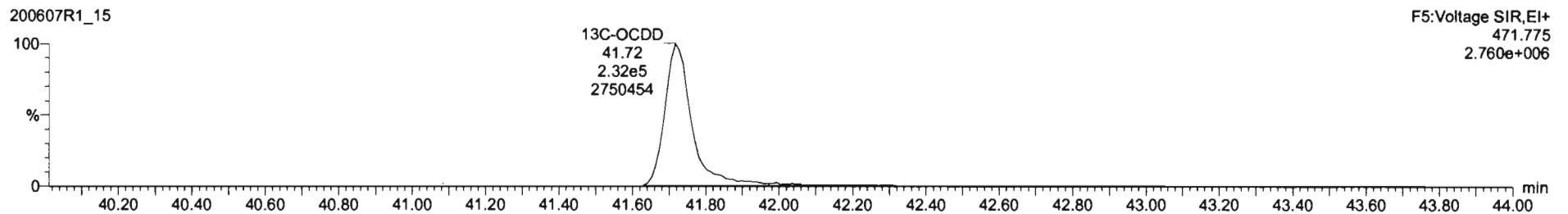
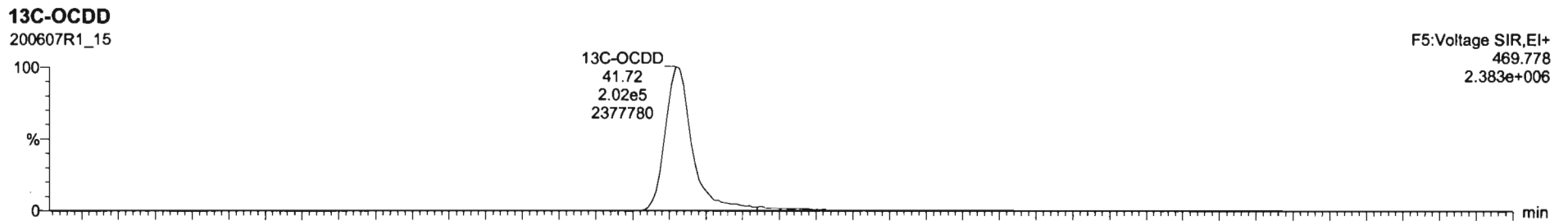
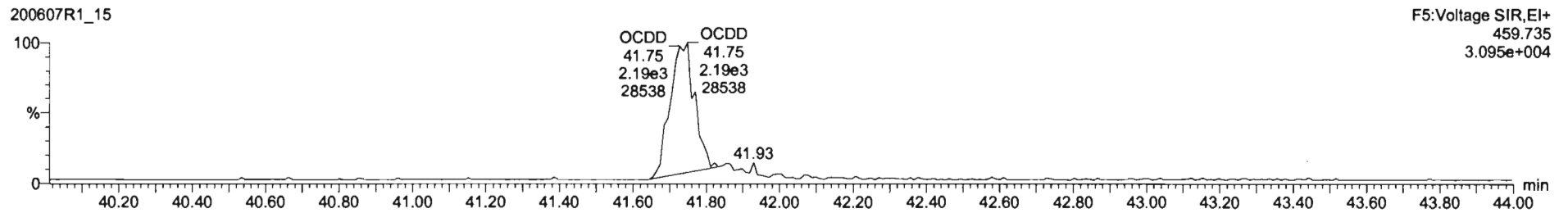
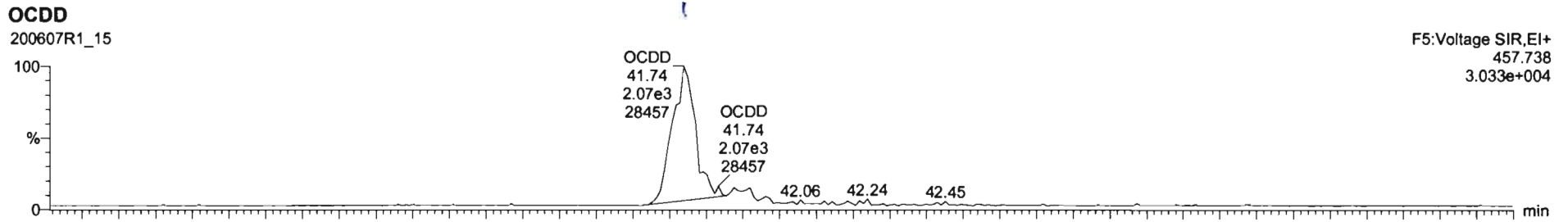
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.73	7.347e2	6.901e2	1.06	NO	1.1875	1.1875
2 1,2,3,4,6,7,8-HpCDD	38.73	4.683e2	5.051e2	0.93	NO	0.81130	0.81130



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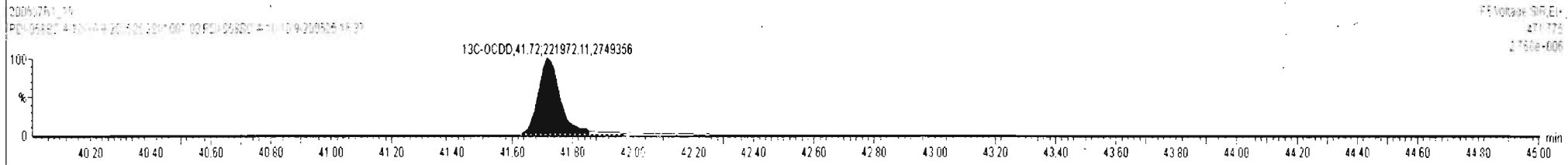
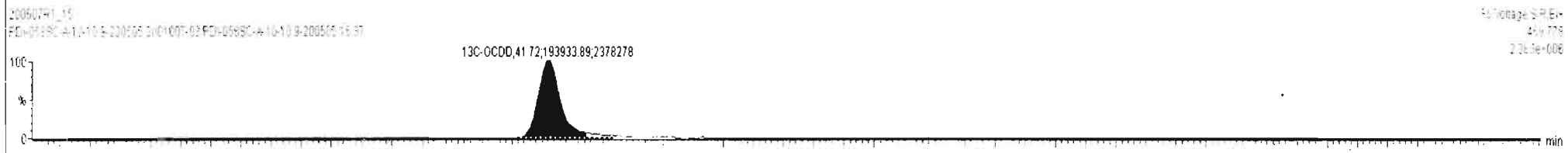
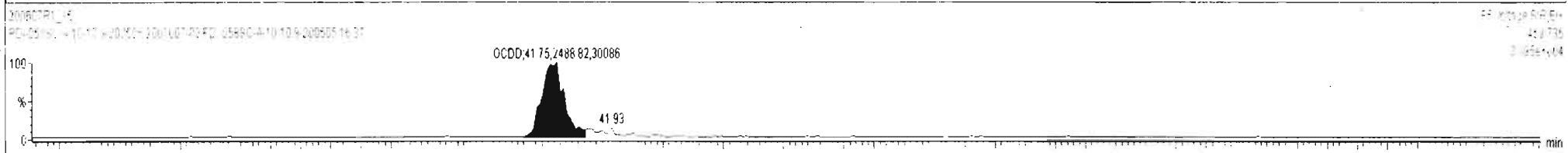
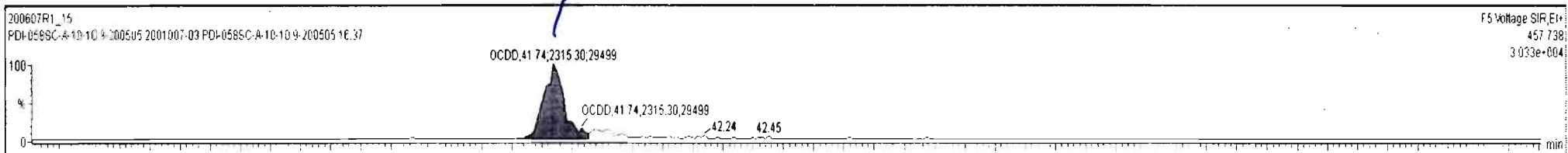
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Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
6 1,2,3,4,6,7,8-HpCDD	9.73e2	0.93	NO	0.8639	10.081	39.73	1.000	0.811		0.128	0.811
7 OCDD	4.80e3	0.93	NO	0.9136	10.081	41.74	1.001	5.02		0.00000	5.02
8 2,3,7,8-TCDF	9.73e2	0.76	NO	0.7510	10.081	25.59	1.001	0.271		0.0910	0.271
9 1,2,3,7,8-PeCDF			NO	0.8925	10.081					0.0729	
10 2,3,4,7,8-PeCDF	3.46e2	1.17	YES	0.9348	10.081	31.15	1.001	0.0955		0.0439	0.0846

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



Dataset: Untitled

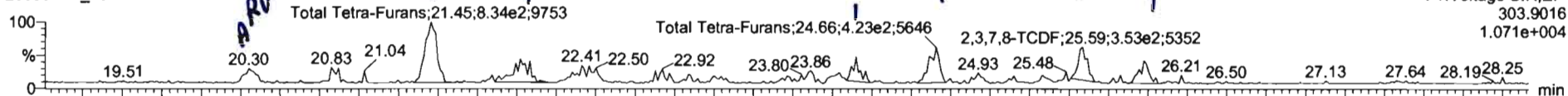
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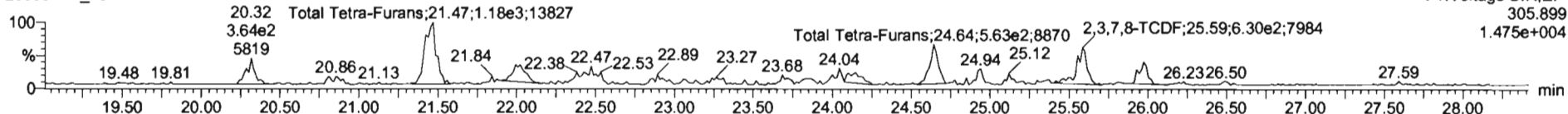
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2,3,7,8-TCDF

200607R1_15

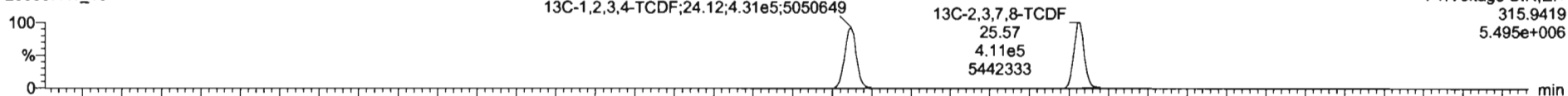


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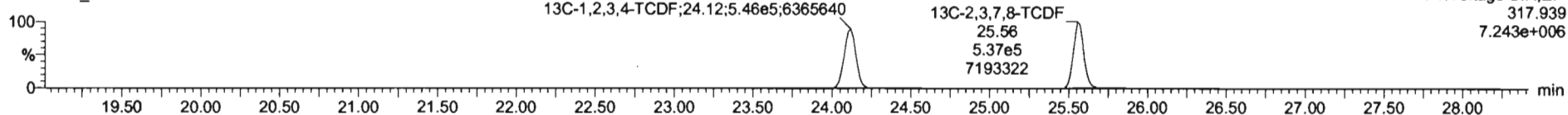


13C-2,3,7,8-TCDF

200607R1_15

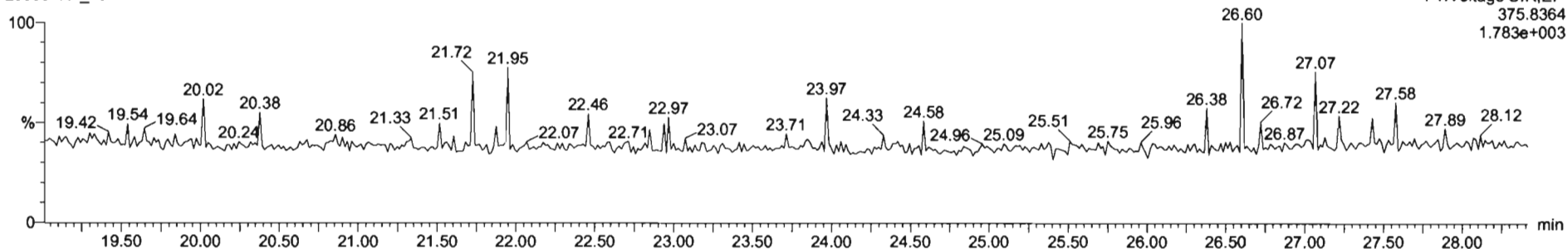


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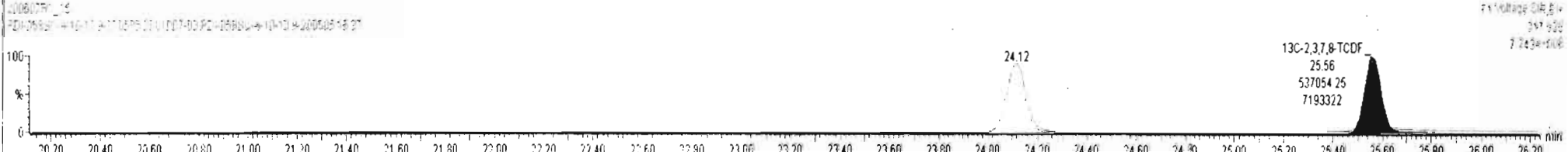
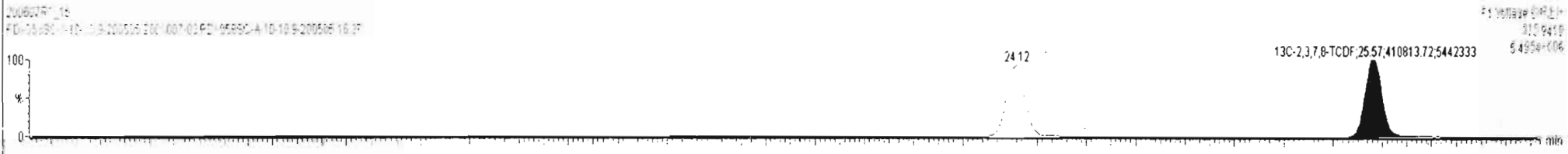
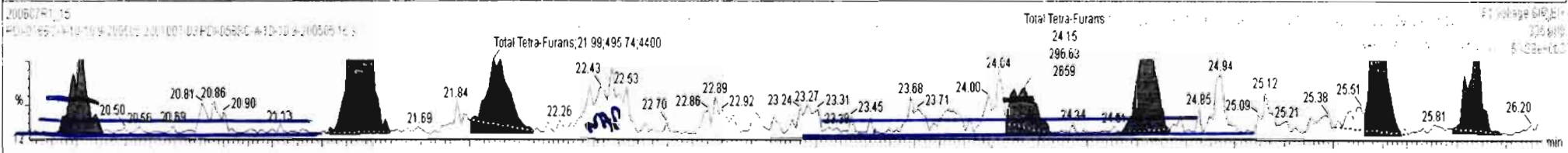
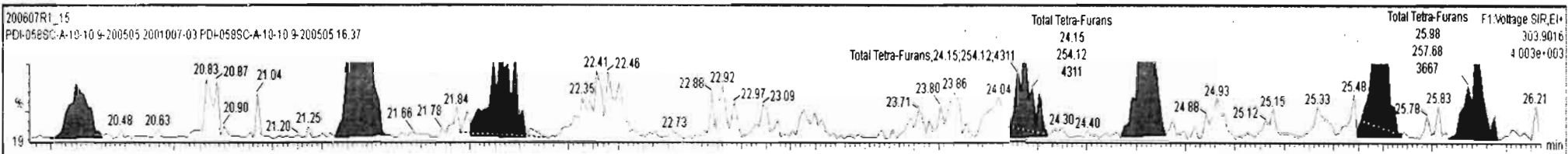
DPE1

200607R1_15



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.081			1.68		0.0910	1.81
44 1st Func. Penta-Furans				0.8925	10.081					0.00611	
45 Total Penta-Furans				0.8925	10.081					0.0462	
46 Total Hexa-Furans				0.9341	10.081					0.0249	
47 Total Hepta-Furans				0.8734	10.081					0.0402	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.30	1.999e2	3.645e2	0.55	YES	0.12806	0.00000
2 Total Tetra-Furans	21.45	8.341e2	1.186e3	0.70	NO	0.56309	0.56309
3 Total Tetra-Furans	22.02	3.987e2	4.957e2	0.80	NO	0.24928	0.24928
4 Total Tetra-Furans	24.15	2.541e2	2.966e2	0.86	NO	0.15349	0.15349
5 Total Tetra-Furans	24.66	4.230e2	5.841e2	0.72	NO	0.28066	0.28066
6 2,3,7,8-TCDF	25.59	4.241e2	5.572e2	0.76	NO	0.27350	0.27350
7 Total Tetra-Furans	25.98	2.577e2	3.376e2	0.76	NO	0.16591	0.16591



Dataset: Untitled

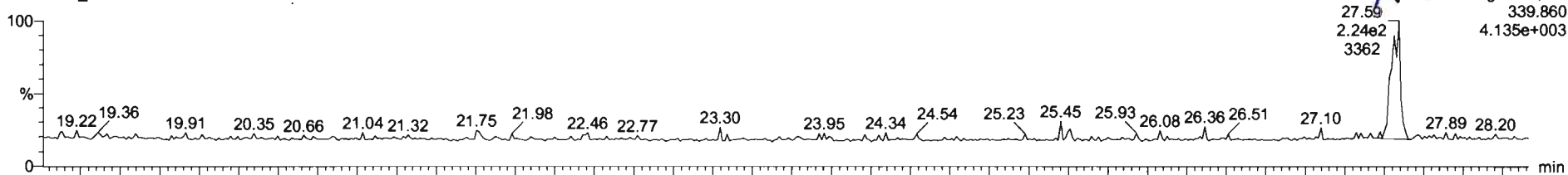
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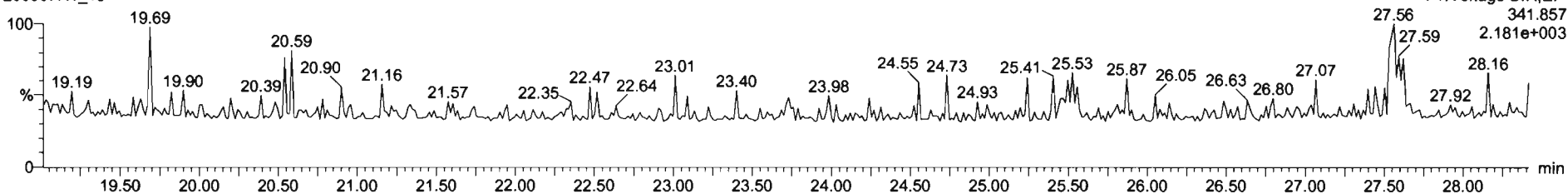
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1st Func. Penta-Furans

200607R1_15

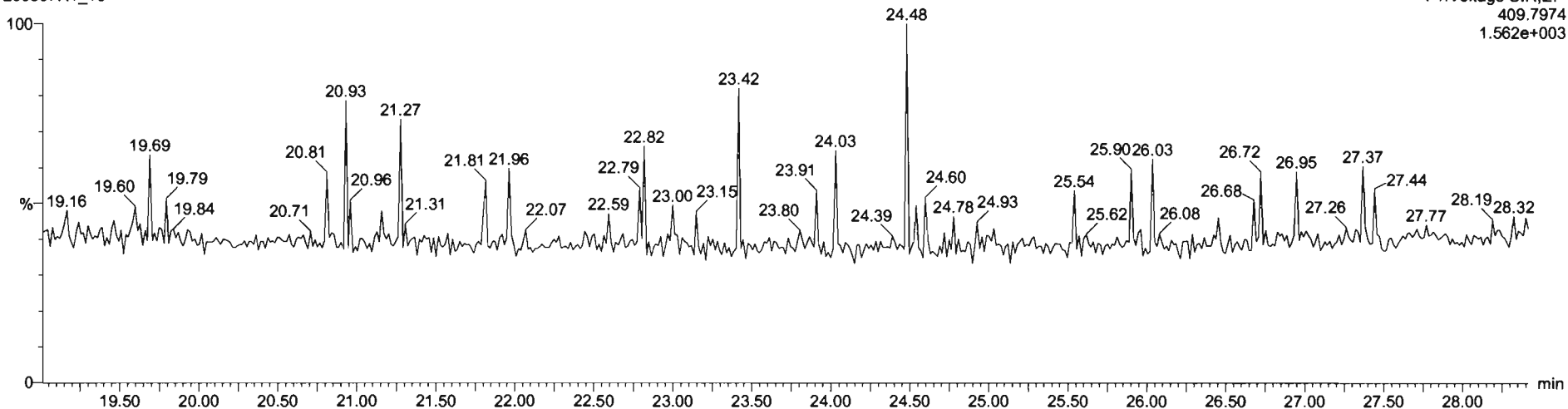


200607R1_15



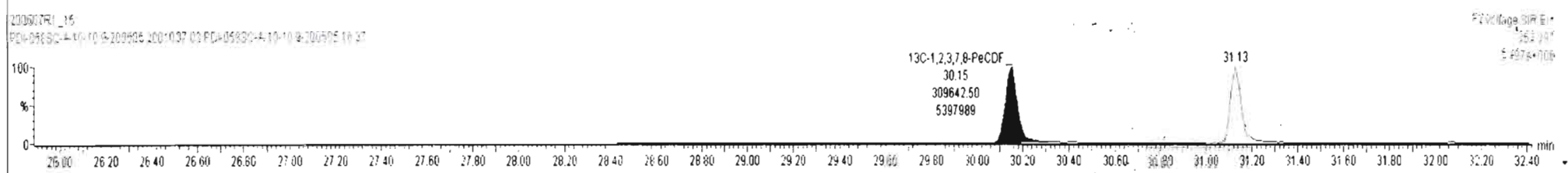
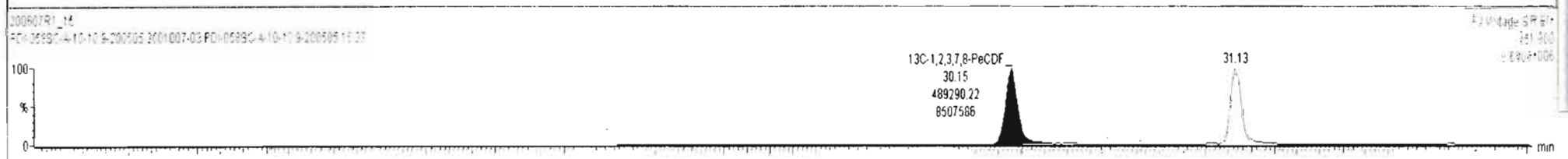
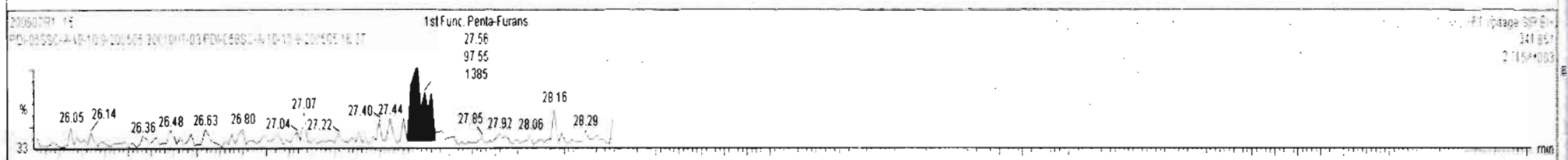
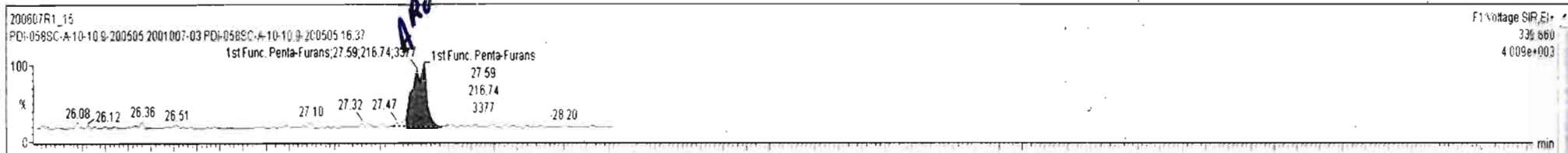
DPE6

200607R1_15



Name	Resp	RA	nly	RRF	wtVol	RT	RR1	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.081			0.937		0.0910	1.62
44 1st Func. Penta-Furans				0.8925	10.081			0.000		0.00611	0.0705
45 Total Penta-Furans				0.8925	10.081					0.0462	
46 Total Hexa-Furans				0.9341	10.081					0.0249	
47 Total Hepta-Furans				0.8734	10.081					0.0402	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1st Func. Penta-Furans	27.59	2.167e2	9.755e1	2.22	YES	0.070538	0.00000



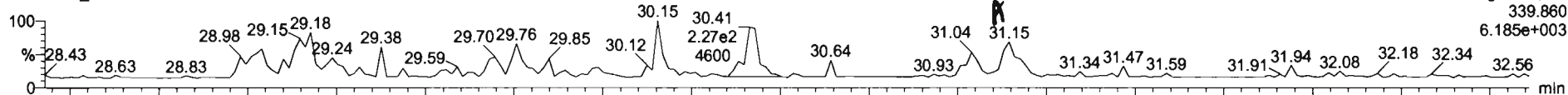
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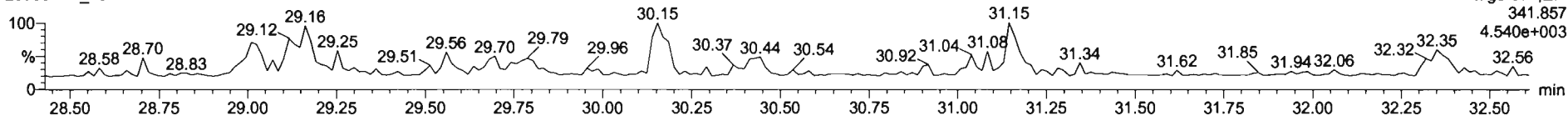
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1,2,3,7,8-PeCDF

200607R1_15

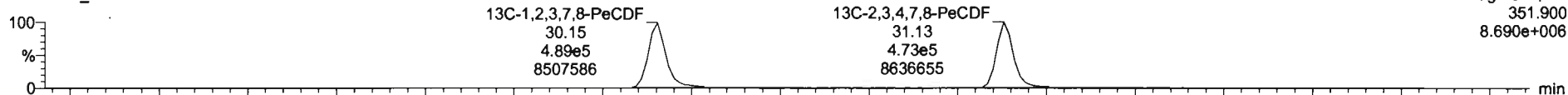


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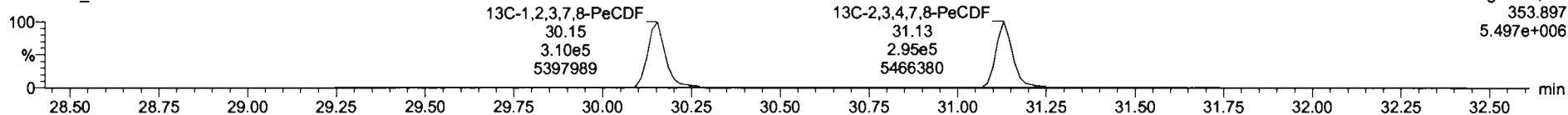


13C-1,2,3,7,8-PeCDF

200607R1_15

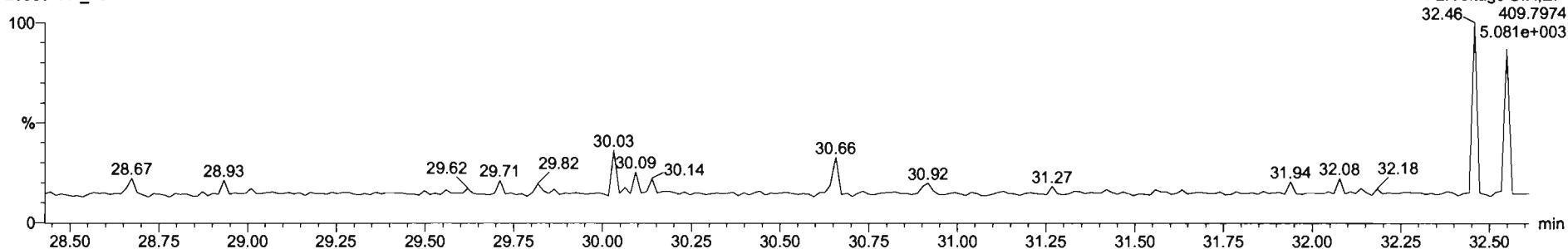


200607R1_15



DPE2

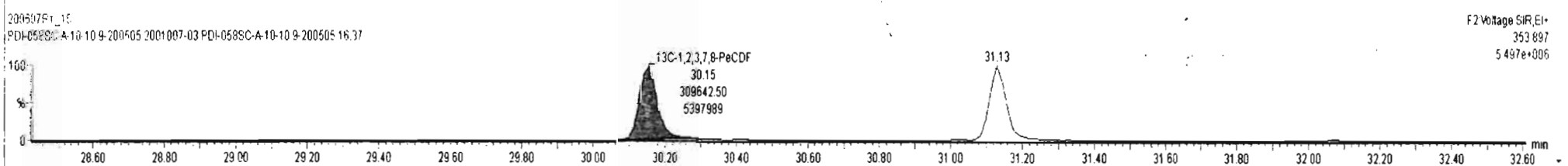
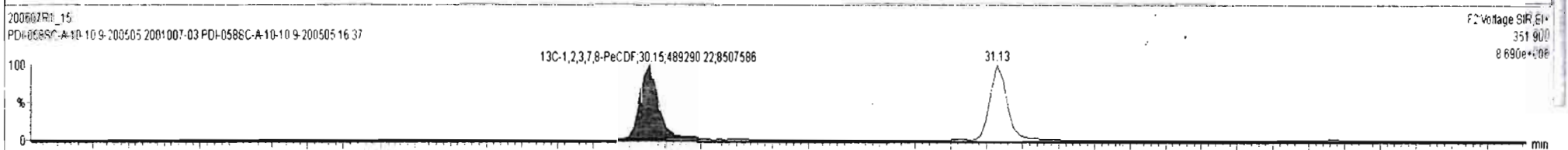
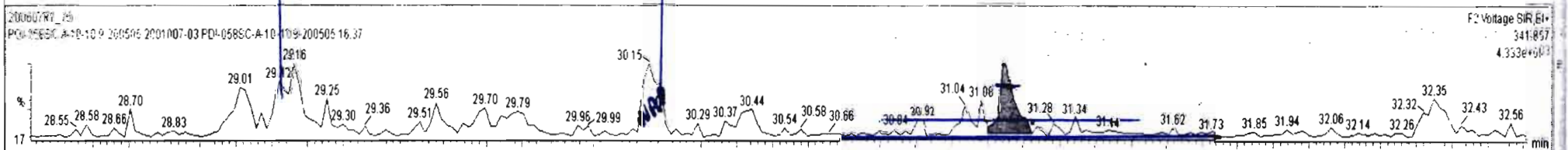
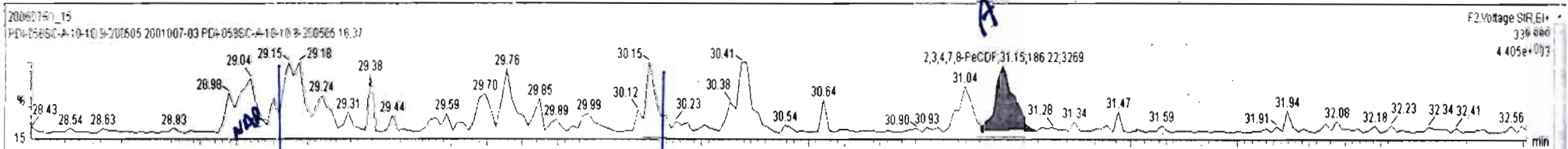
200607R1_15



200607RL_15 200107-03 FID-058SC-A-10-10-9-200505 16.37 FID-058SC-A-10-10-9-200505

Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.081			0.937		0.0910	1.62
44 1st Func. Penta-Furans				0.8925	10.081			0.000		0.00611	0.0705
45 Total Penta-Furans				0.8925	10.081			0.000		0.0462	0.0846
46 Total Hexa-Furans				0.9341	10.081					0.0249	
47 Total Hepta-Furans				0.8734	10.081					0.0402	

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 2,3,4,7,8-PeCDF	31.15	1.862e2	1.595e2	1.17	YES	0.084581	0.00000

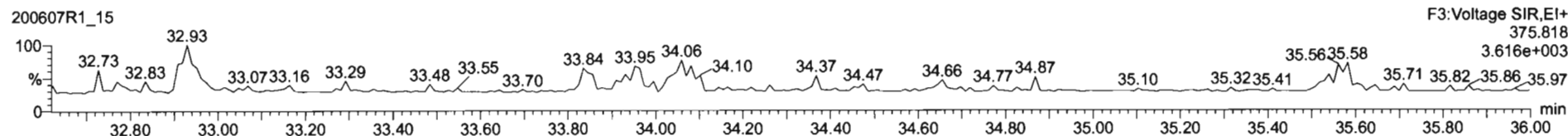
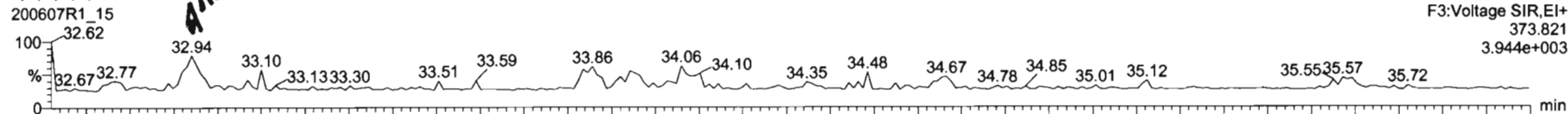


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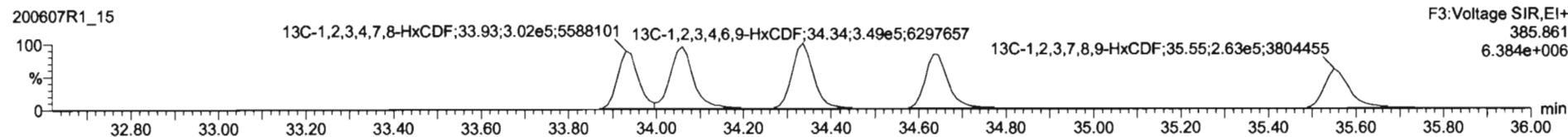
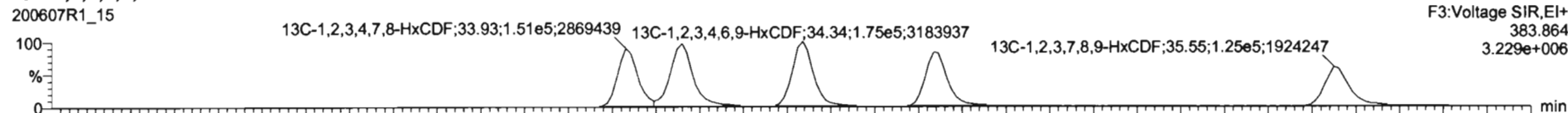
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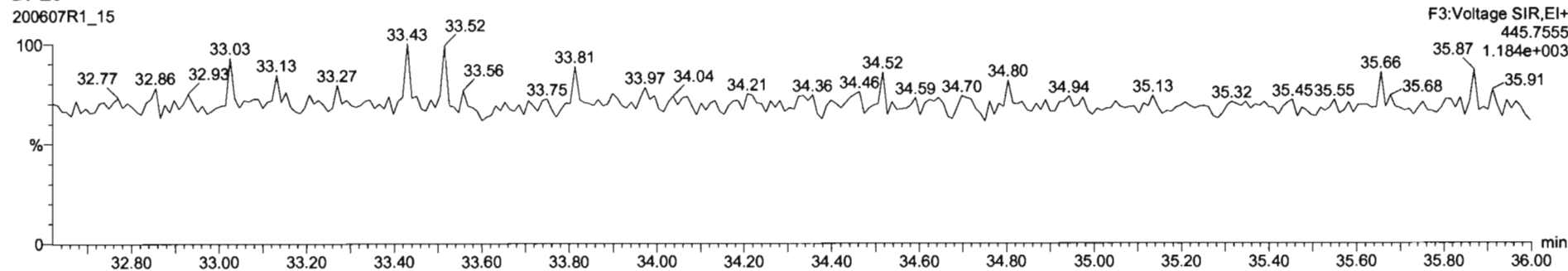
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13C-1,2,3,4,7,8-HxCDF

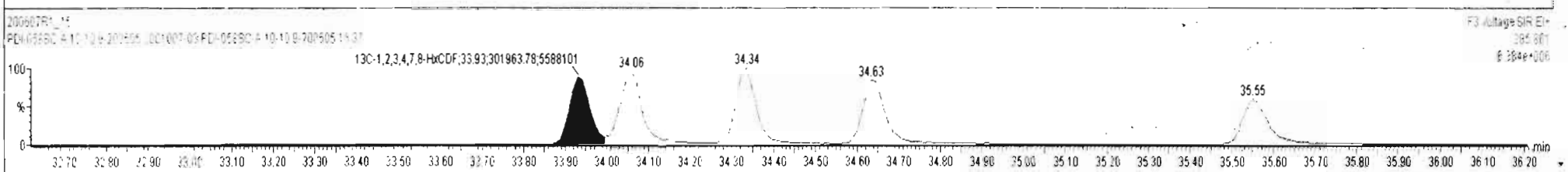
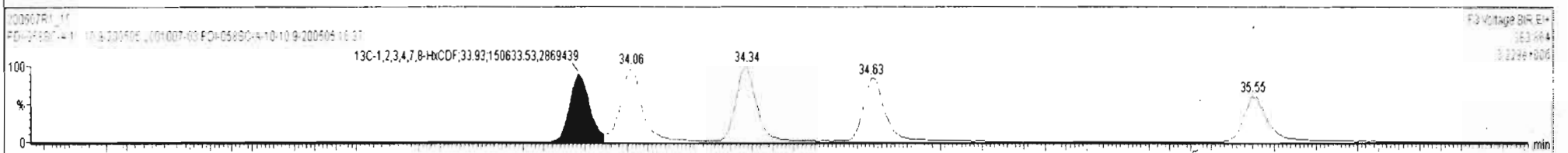
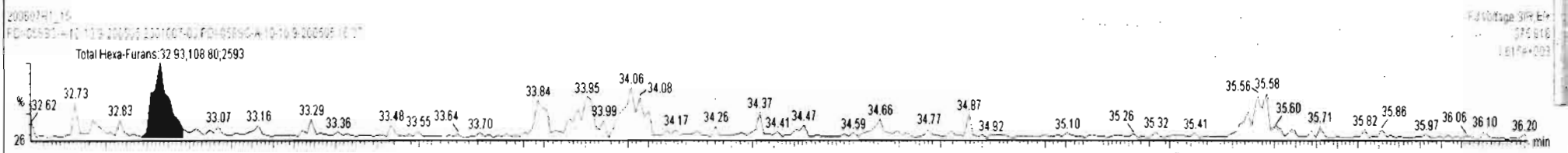
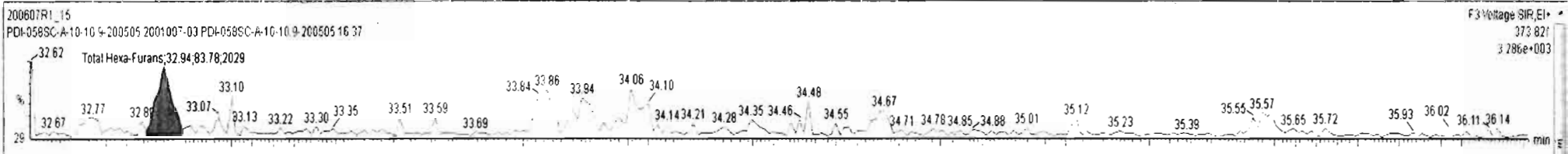


DPE3



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.081			0.937		0.0910	1.62
44 1st Func. Penta-Furans				0.8925	10.081			0.000		0.00611	0.0705
45 Total Penta-Furans				0.8925	10.081			0.000		0.0462	0.0646
46 Total Hexa-Furans				0.9341	10.081			0.000		0.0249	0.0693
47 Total Hepta-Furans				0.8734	10.081					0.0402	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.94	8.378e1	1.086e2	0.77	YES	0.069260	0.00000



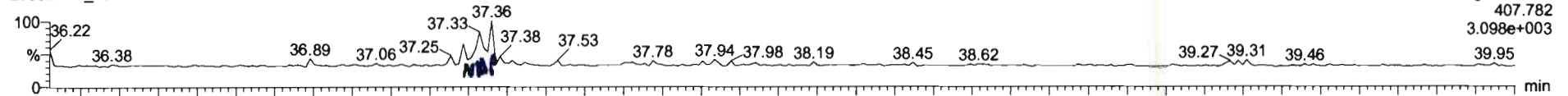
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

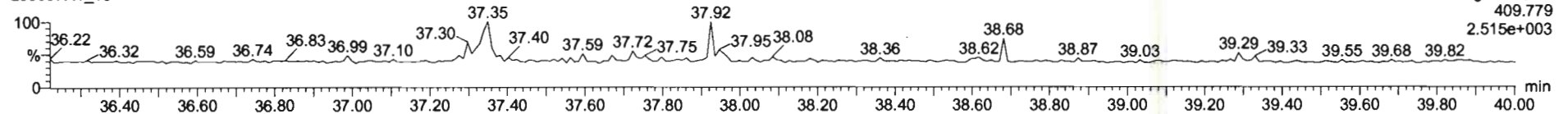
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1,2,3,4,6,7,8-HpCDF

200607R1_15

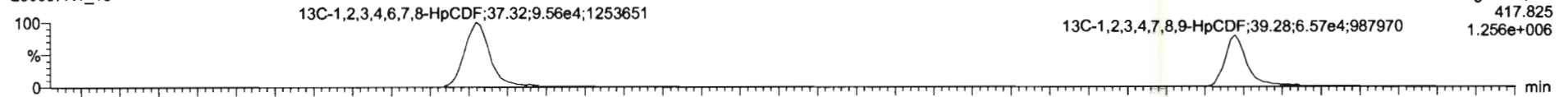


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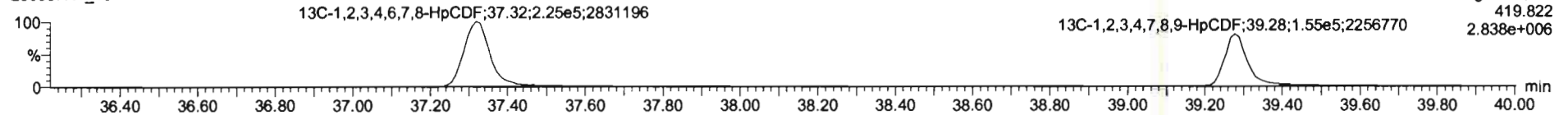


13C-1,2,3,4,6,7,8-HpCDF

200607R1_15

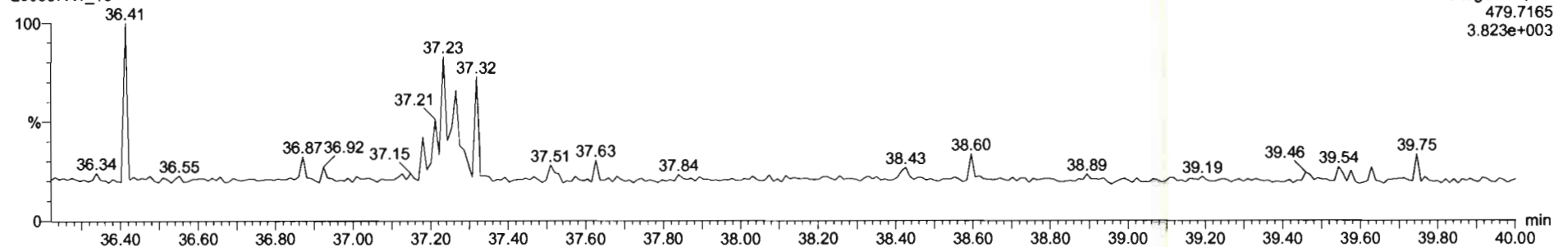


200607R1_15



DPE4

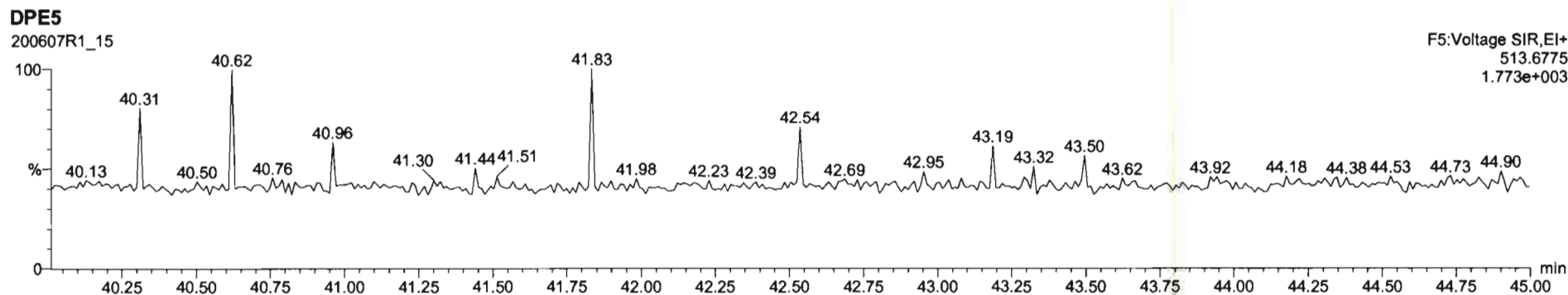
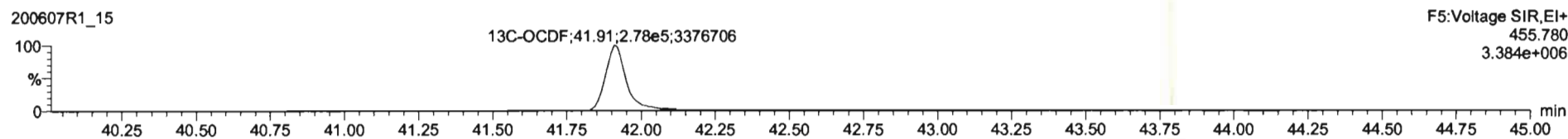
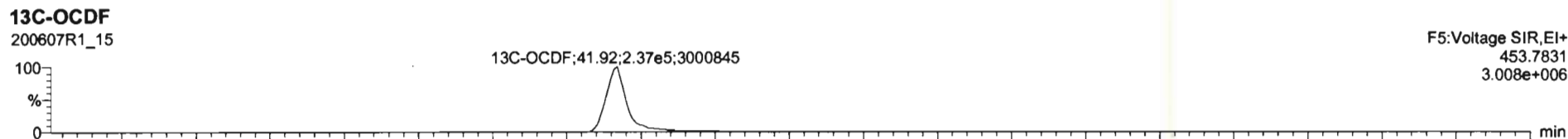
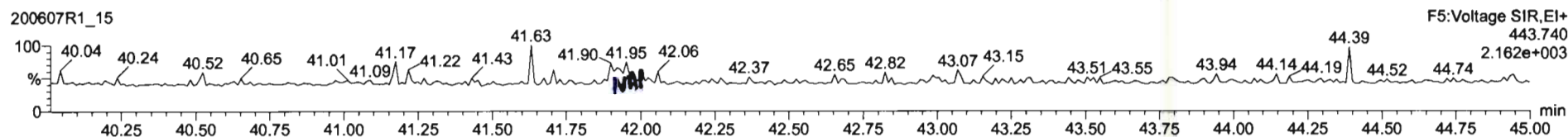
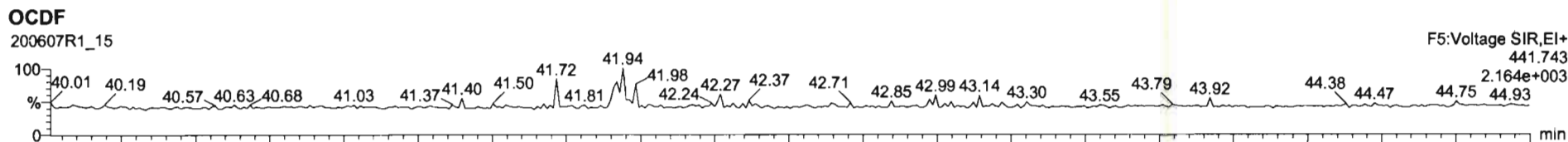
200607R1_15



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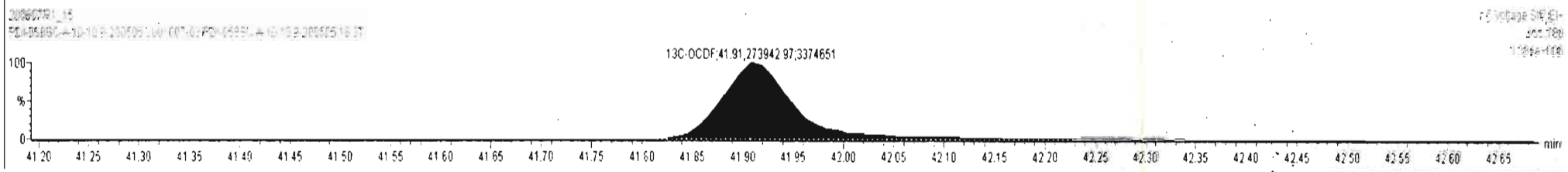
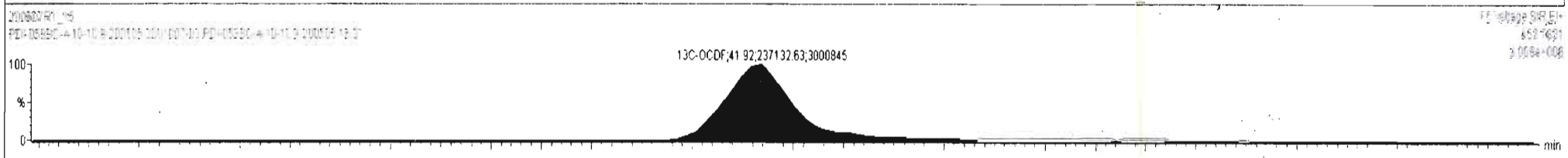
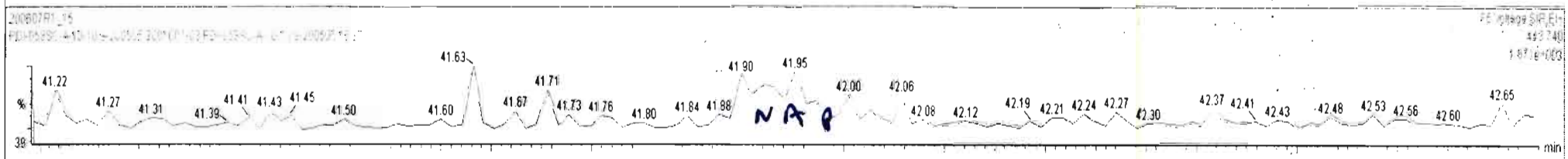
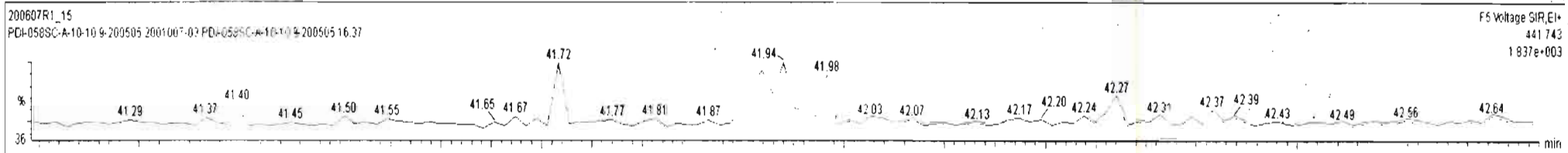
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Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505



#	Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF			NO	0.8065	10.081					0.0986	
18	13C-2,3,7,8-TCDD	7.30e5	0.76	NO	1.1563	10.081	26.45	1.025	191	96.3	0.234	
19	13C-1,2,3,7,8-PeCDD	5.32e5	0.65	NO	0.8490	10.081	31.43	1.218	190	95.6	0.317	
20	13C-1,2,3,4,7,8-HxCDD	3.67e5	1.28	NO	0.7790	10.081	34.80	1.014	178	89.9	0.499	
21	13C-1,2,3,6,7,8-HxCDD	4.61e5	1.27	NO	1.0167	10.081	34.91	1.017	172	86.6	0.382	

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



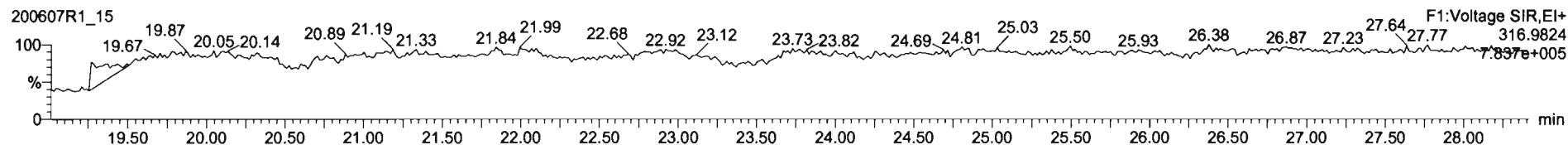
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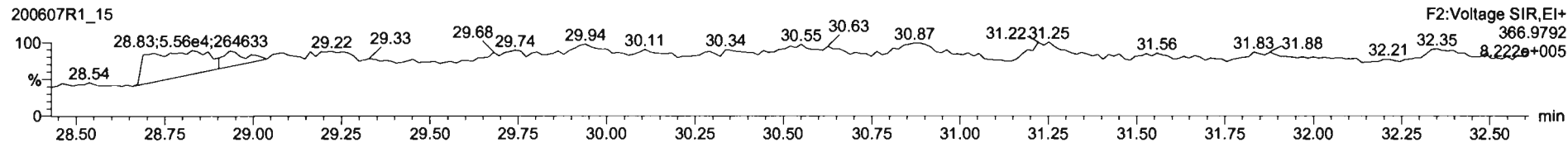
Printed: Monday, June 08, 2020 07:43:34 Pacific Daylight Time

Name: 200607R1_15, Date: 07-Jun-2020, Time: 19:30:01, ID: 2001007-03 PDI-058SC-A-10-10.9-200505 16.37, Description: PDI-058SC-A-10-10.9-200505

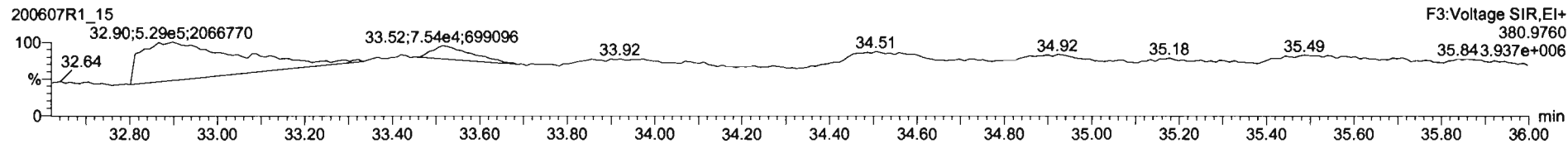
PFK1



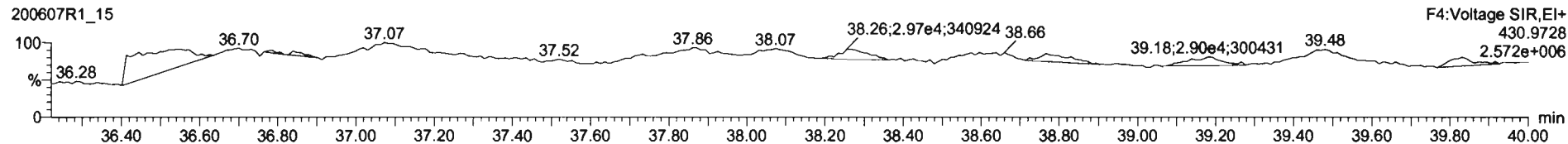
PFK2



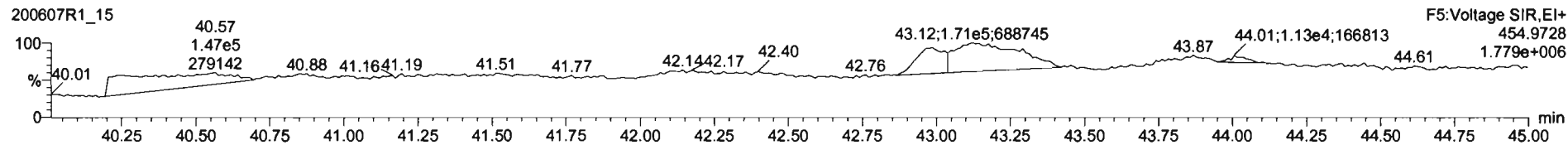
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_8.qld

Last Altered: Thursday, June 25, 2020 10:26:14 Pacific Daylight Time
Printed: Thursday, June 25, 2020 10:26:36 Pacific Daylight Time

DB 6/25/20 *C106/25/2020*

Method: Untitled 27 Apr 2020 14:17:24

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_8, Date: 24-Jun-2020, Time: 02:41:32, ID: 2001007-04RE1 PDI-058SC-B-00-02-200505 13.46, Description: PDI-058SC-B-00-02-200505

#	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	0.986	10.054	26.081		1.001				0.459	
2	2 1,2,3,7,8-PeCDD			NO	0.964	10.054	30.629		1.001				0.485	
3	3 1,2,3,4,7,8-HxCDD			NO	1.16	10.054	33.920		1.000				0.976	
4	4 1,2,3,6,7,8-HxCDD	2.15e2	1.12	NO	1.01	10.054	34.015	34.01	1.000	1.000	1.0893		1.05	1.09
5	5 1,2,3,7,8,9-HxCDD			NO	1.01	10.054	34.346		1.001				1.19	
6	6 1,2,3,4,6,7,8-HpCDD	7.06e3	1.05	NO	0.997	10.054	37.801	37.80	1.000	1.000	58.763		1.96	58.8
7	7 OCDD	4.32e4	0.87	NO	1.01	10.054	41.027	41.05	1.000	1.001	447.00		2.14	447
8	8 2,3,7,8-TCDF			NO	0.833	10.054	25.280		1.001				0.399	
9	9 1,2,3,7,8-PeCDF	1.26e2	1.66	NO	0.965	10.054	29.442	29.44	1.001	1.001	0.37298		0.120	0.373
10	10 2,3,4,7,8-PeCDF			NO	1.01	10.054	30.356		1.001				0.207	
11	11 1,2,3,4,7,8-HxCDF	1.95e2	1.19	NO	1.09	10.054	33.028	33.05	1.000	1.001	0.77042		0.221	0.770
12	12 1,2,3,6,7,8-HxCDF			NO	1.07	10.054	33.159		1.000				0.247	
13	13 2,3,4,6,7,8-HxCDF			NO	1.15	10.054	33.775		1.001				0.264	
14	14 1,2,3,7,8,9-HxCDF			NO	1.11	10.054	34.685		1.000				0.378	
15	15 1,2,3,4,6,7,8-HpCDF	5.35e2	1.23	YES	1.16	10.054	36.544	36.54	1.001	1.001	3.0698		0.730	2.81
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.35	10.054	38.317		1.000				0.837	
17	17 OCDF	2.13e3	0.86	NO	0.949	10.054	41.257	41.27	1.000	1.000	20.052		1.19	20.1
18	18 13C-2,3,7,8-TCDD	5.61e4	0.78	NO	1.26	10.054	26.148	26.05	1.026	1.022	150.48	75.6	2.30	
19	19 13C-1,2,3,7,8-PeCDD	4.32e4	0.64	NO	0.921	10.054	30.633	30.61	1.202	1.201	158.51	79.7	0.949	
20	20 13C-1,2,3,4,7,8-HxCDD	2.96e4	1.31	NO	0.707	10.054	33.902	33.92	1.014	1.014	135.40	68.1	10.6	
21	21 13C-1,2,3,6,7,8-HxCDD	3.90e4	1.29	NO	0.829	10.054	34.012	34.01	1.017	1.017	152.13	76.5	9.07	
22	22 13C-1,2,3,7,8,9-HxCDD	2.70e4	1.37	NO	0.808	10.054	34.283	34.31	1.025	1.026	107.97	54.3	9.30	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.40e4	1.04	NO	0.662	10.054	37.747	37.79	1.129	1.130	117.17	58.9	1.31	
24	24 13C-OCDD	3.79e4	0.84	NO	0.608	10.054	40.769	41.03	1.219	1.227	201.56	50.7	1.40	
25	25 13C-2,3,7,8-TCDF	8.02e4	0.81	NO	1.07	10.054	25.230	25.25	0.990	0.991	149.57	75.2	1.54	
26	26 13C-1,2,3,7,8-PeCDF	6.99e4	1.70	NO	0.826	10.054	29.453	29.42	1.156	1.154	168.33	84.6	1.50	
27	27 13C-2,3,4,7,8-PeCDF	6.71e4	1.66	NO	0.796	10.054	30.353	30.33	1.191	1.190	167.80	84.4	1.55	
28	28 13C-1,2,3,4,7,8-HxCDF	4.60e4	0.51	NO	1.08	10.054	33.033	33.03	0.988	0.988	138.28	69.5	1.51	
29	29 13C-1,2,3,6,7,8-HxCDF	4.96e4	0.50	NO	1.12	10.054	33.167	33.15	0.992	0.991	142.58	71.7	1.45	
30	30 13C-2,3,4,6,7,8-HxCDF	4.19e4	0.52	NO	1.02	10.054	33.738	33.74	1.009	1.009	132.09	66.4	1.59	
31	31 13C-1,2,3,7,8,9-HxCDF	3.44e4	0.51	NO	0.887	10.054	34.638	34.69	1.036	1.037	125.28	63.0	1.83	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_8.qld

Last Altered: Thursday, June 25, 2020 10:26:14 Pacific Daylight Time

Printed: Thursday, June 25, 2020 10:26:36 Pacific Daylight Time

Name: 200623D2_8, Date: 24-Jun-2020, Time: 02:41:32, ID: 2001007-04RE1 PDI-058SC-B-00-02-200505 13.46, Description: PDI-058SC-B-00-02-200505

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.99e4	0.42	NO	0.811	10.054	36.343	36.51	1.087	1.092	119.37	60.0	1.31	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.20e4	0.43	NO	0.598	10.054	38.349	38.32	1.147	1.146	118.66	59.6	1.77	
34	34 13C-OCDF	4.45e4	0.87	NO	0.752	10.054	40.923	41.26	1.224	1.234	191.34	48.1	1.53	
35	35 37Cl-2,3,7,8-TCDD	2.23e4			1.24	10.054	26.145	26.07	1.026	1.023	60.568	76.1	0.285	
36	36 13C-1,2,3,4-TCDD	5.89e4	0.82	NO	1.00	10.054	25.480	25.49	1.000	1.000	198.92	100	2.90	
37	37 13C-1,2,3,4-TCDF	1.00e5	0.87	NO	1.00	10.054	24.020	24.02	1.000	1.000	198.92	100	1.64	
38	38 13C-1,2,3,4,6,9-HxCDF	6.15e4	0.52	NO	1.00	10.054	33.530	33.43	1.000	1.000	198.92	100	1.63	
39	39 Total Tetra-Dioxins				0.986	10.054	24.620		0.000				0.315	
40	40 Total Penta-Dioxins				0.964	10.054	29.960		0.000				0.215	
41	41 Total Hexa-Dioxins				1.01	10.054	33.635		0.000		8.6212		1.11	15.7
42	42 Total Hepta-Dioxins				0.997	10.054	37.640		0.000		154.52		1.96	155
43	43 Total Tetra-Furans				0.833	10.054	23.610		0.000		0.00000		0.208	0.442
44	44 1st Func. Penta-Furans				0.965	10.054	27.090		0.000				0.0456	
45	45 Total Penta-Furans				0.965	10.054	29.275		0.000		0.37298		0.119	0.373
46	46 Total Hexa-Furans				1.15	10.054	33.555		0.000		2.9184		0.259	2.92
47	47 Total Hepta-Furans				1.16	10.054	37.835		0.000		12.201		0.834	15.0

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_8.qld

Last Altered: Thursday, June 25, 2020 10:26:14 Pacific Daylight Time
 Printed: Thursday, June 25, 2020 10:26:36 Pacific Daylight Time

Method: Untitled 27 Apr 2020 14:17:24

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_8, Date: 24-Jun-2020, Time: 02:41:32, ID: 2001007-04RE1 PDI-058SC-B-00-02-200505 13.46, Description: PDI-058SC-B-00-02-200505

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.40	1.370e4	8.849e3	6.630e2	5.526e2	1.20	NO	1.216e3	7.5319	7.5319	1.11
2	Total Hexa-Dioxins	33.18	9.151e3	6.492e3	6.745e2	4.756e2	1.42	NO	0.000e0	0.00000	7.1266	1.11
3	1,2,3,6,7,8-HxCDD	34.01	2.269e3	1.937e3	1.137e2	1.015e2	1.12	NO	2.151e2	1.0893	1.0893	1.05

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.92	7.226e4	7.014e4	5.814e3	5.692e3	1.02	NO	1.151e4	95.758	95.758	1.96
2	1,2,3,4,6,7,8-HpCDD	37.80	5.437e4	5.117e4	3.614e3	3.447e3	1.05	NO	7.061e3	58.763	58.763	1.96

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	25.47	1.725e3	1.442e3	1.322e2	8.392e1	1.58	YES	0.000e0	0.00000	0.44182	0.208

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\200623D2\200623D2_8.qld

Last Altered: Thursday, June 25, 2020 10:26:14 Pacific Daylight Time

Printed: Thursday, June 25, 2020 10:26:36 Pacific Daylight Time

Name: 200623D2_8, Date: 24-Jun-2020, Time: 02:41:32, ID: 2001007-04RE1 PDI-058SC-B-00-02-200505 13.46, Description: PDI-058SC-B-00-02-200505

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8-PeCDF	29.44	2.095e3	9.770e2	7.892e1	4.746e1	1.66	NO	1.264e2	0.37298	0.37298	0.120

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.03	1.111e3	1.073e3	4.515e1	3.357e1	1.35	NO	7.872e1	0.31579	0.31579	0.259
2	Total Hexa-Furans	32.58	4.697e3	3.030e3	2.632e2	1.935e2	1.36	NO	4.567e2	1.8322	1.8322	0.259
3	1,2,3,4,7,8-HxCDF	33.05	2.477e3	2.242e3	1.060e2	8.901e1	1.19	NO	1.950e2	0.77042	0.77042	0.221

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.54	3.457e3	3.435e3	2.947e2	2.401e2	1.23	YES	5.348e2	0.00000	2.8115	0.730
2	Total Hepta-Furans	37.13	1.252e4	1.157e4	9.507e2	8.915e2	1.07	NO	1.842e3	12.201	12.201	0.834

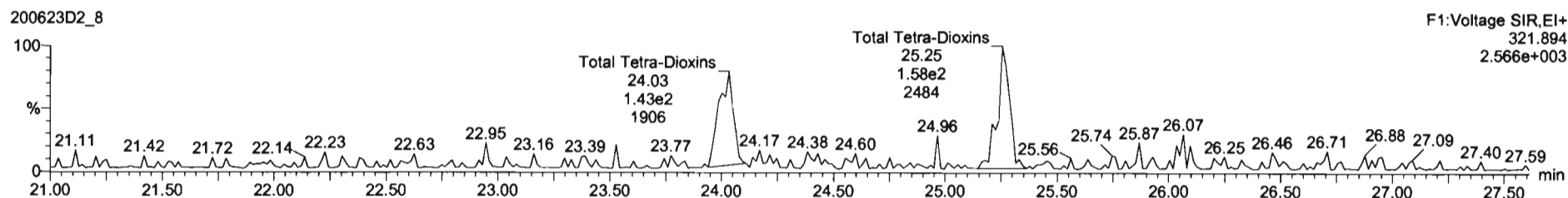
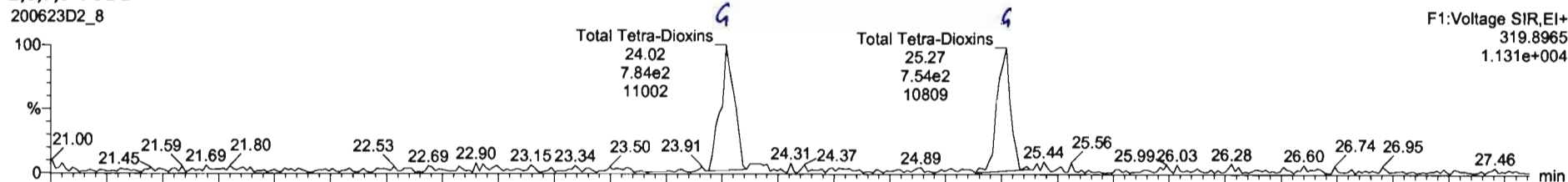
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Last Altered: Wednesday, June 24, 2020 10:42:54 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:01:00 Pacific Daylight Time

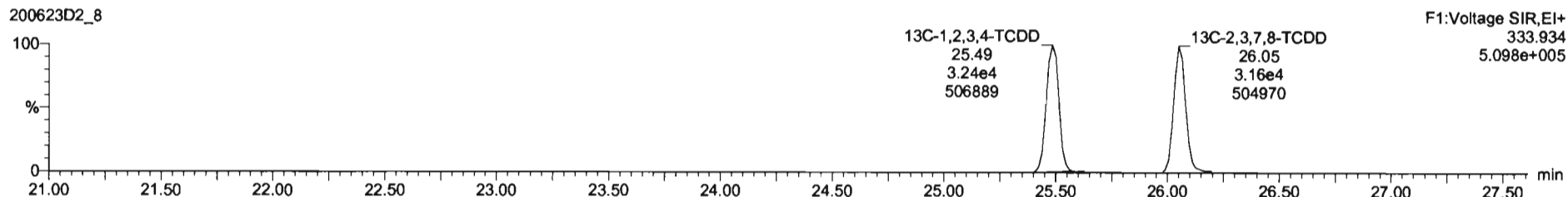
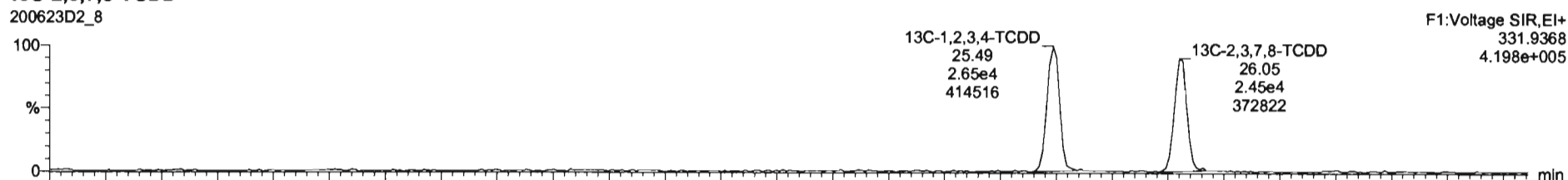
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Name: 200623D2_8, Date: 24-Jun-2020, Time: 02:41:32, ID: 2001007-04RE1 PDI-058SC-B-00-02-200505 13.46, Description: PDI-058SC-B-00-02-200505

2,3,7,8-TCDD



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

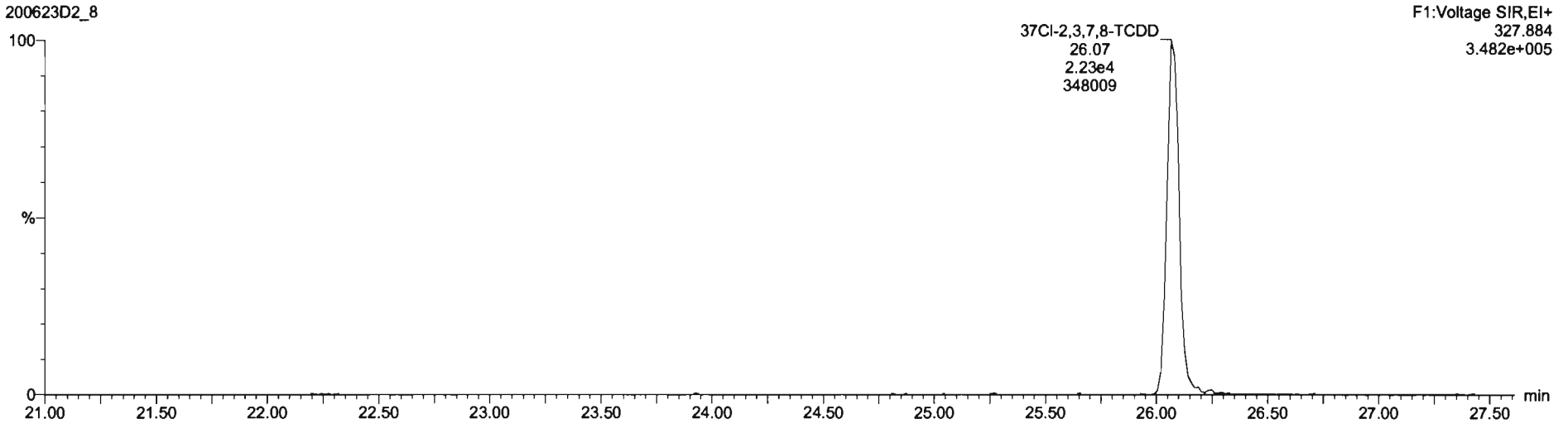


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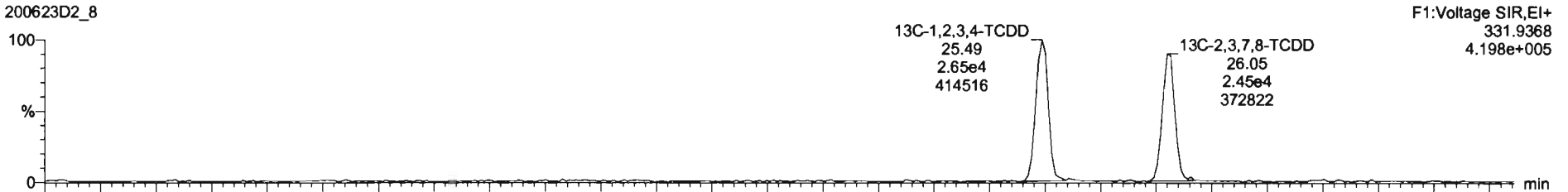
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Printed: Wednesday, June 24, 2020 14:01:00 Pacific Daylight Time

Name: 200623D2_8, Date: 24-Jun-2020, Time: 02:41:32, ID: 2001007-04RE1 PDI-058SC-B-00-02-200505 13.46, Description: PDI-058SC-B-00-02-200505

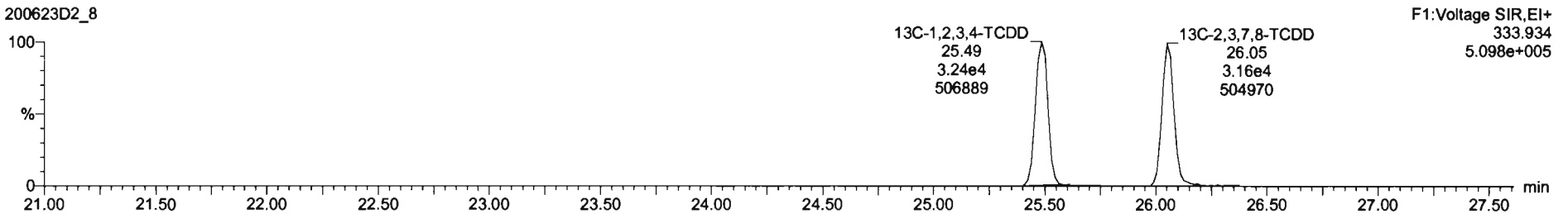
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200623D2_8



13C-1,2,3,4-TCDD
200623D2_8



200623D2_8



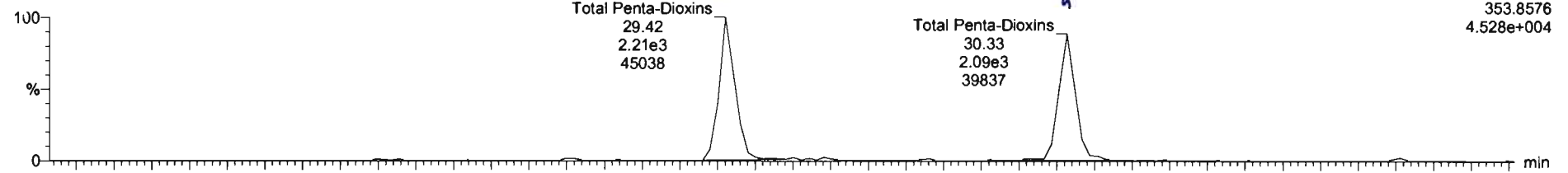
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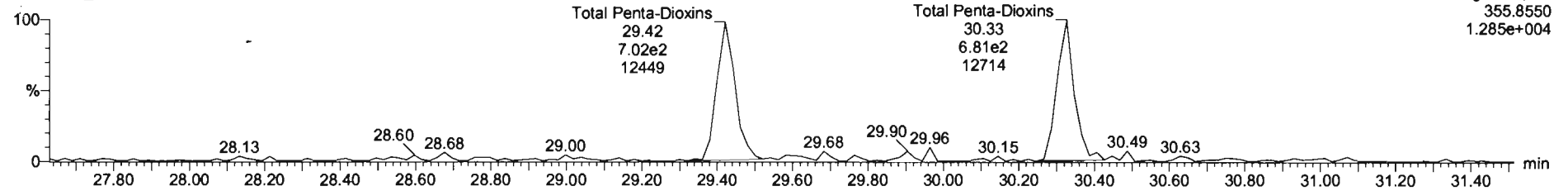
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1,2,3,7,8-PeCDD

200623D2_8

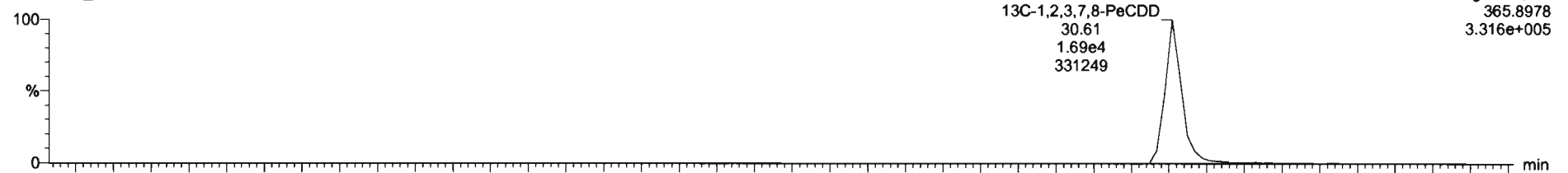


200623D2_8

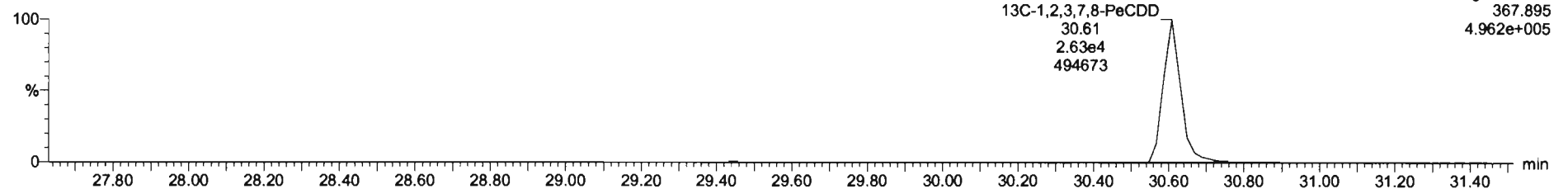


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200623D2_8



200623D2_8



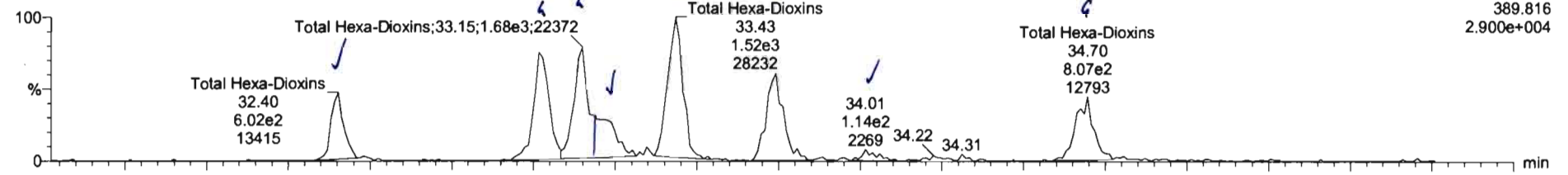
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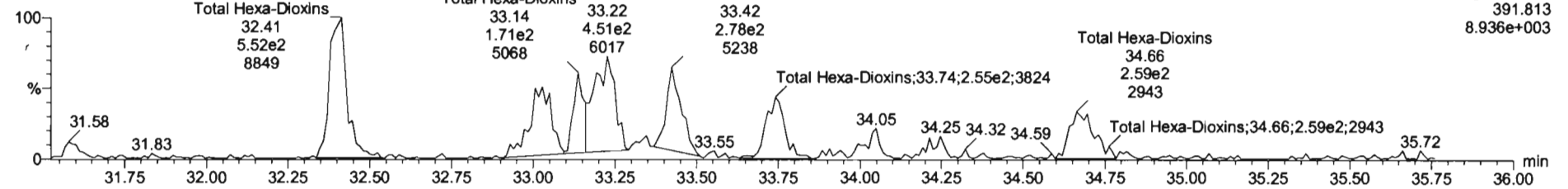
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1,2,3,4,7,8-HxCDD

200623D2_8

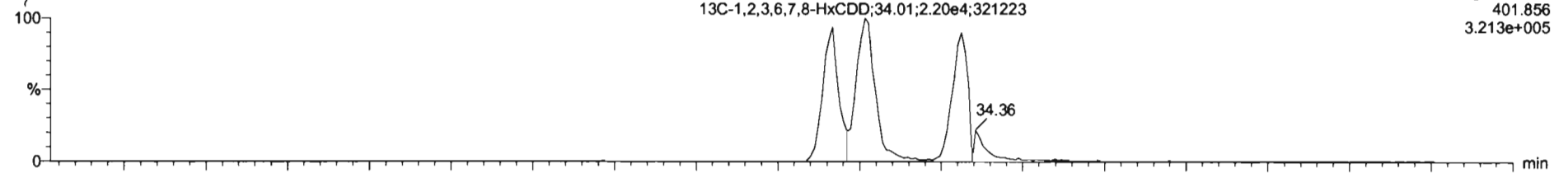


200623D2_8

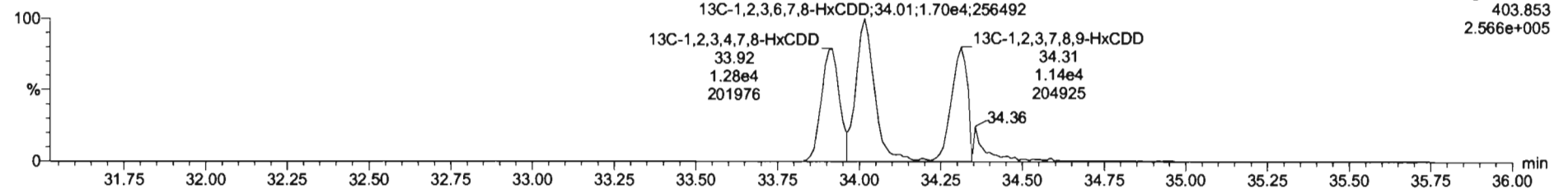


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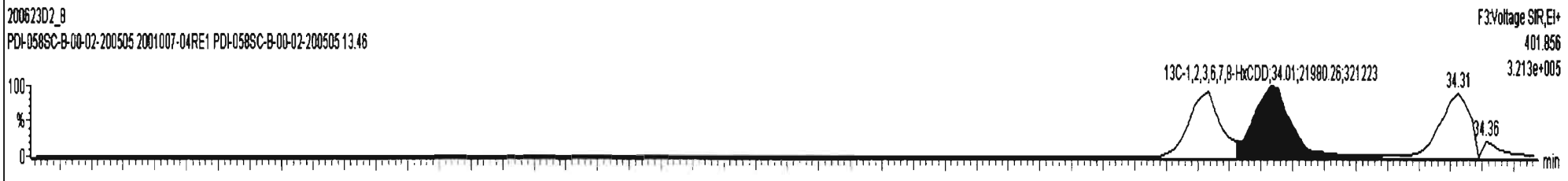
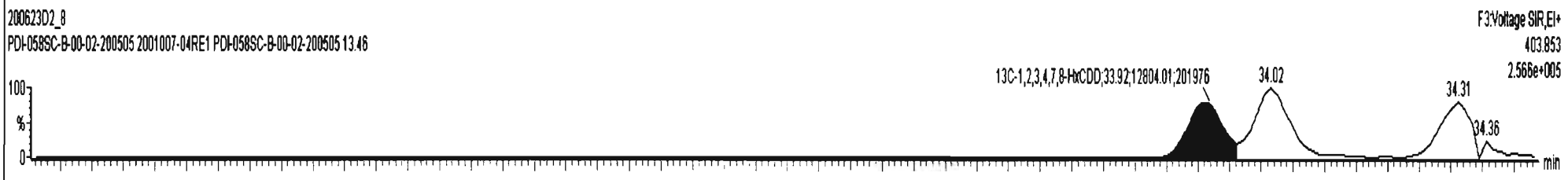
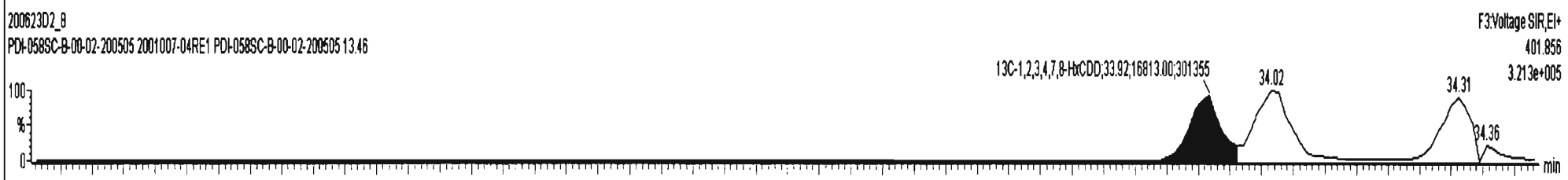
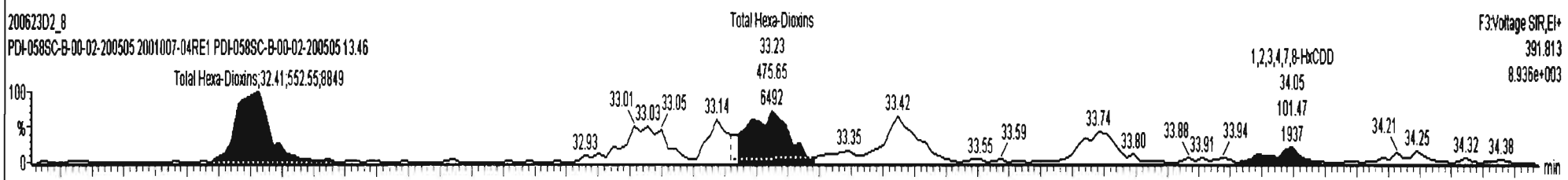
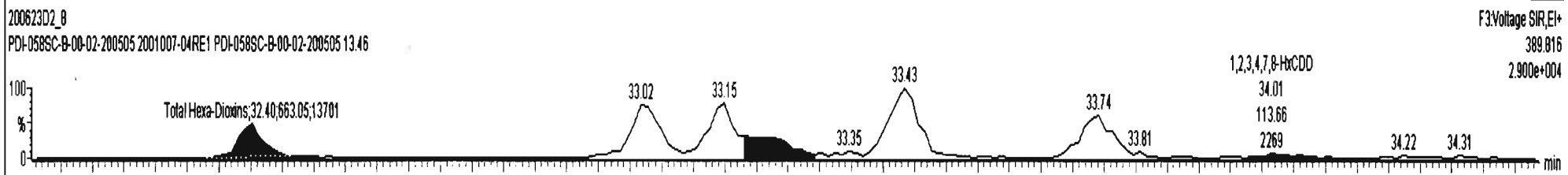
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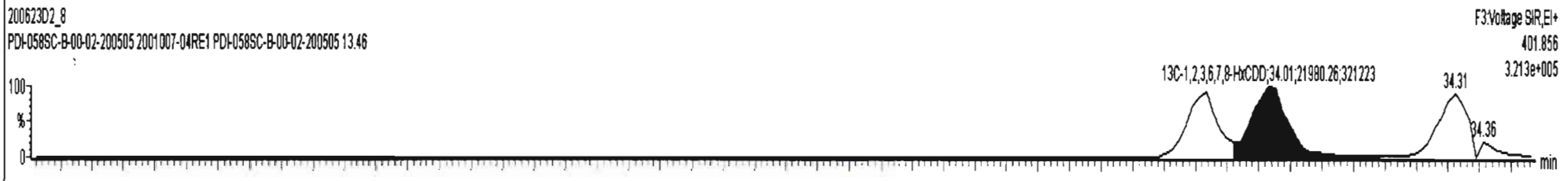
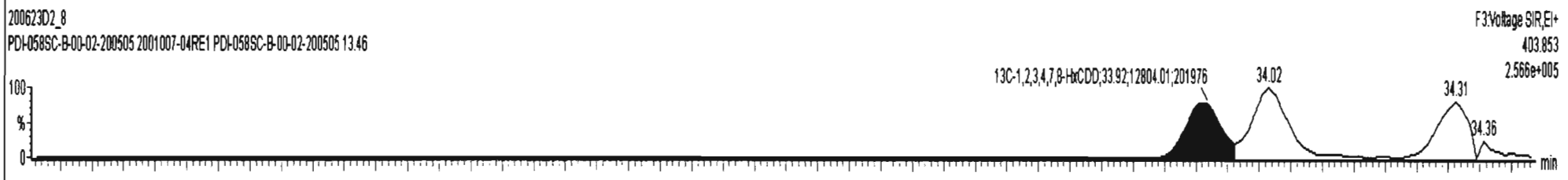
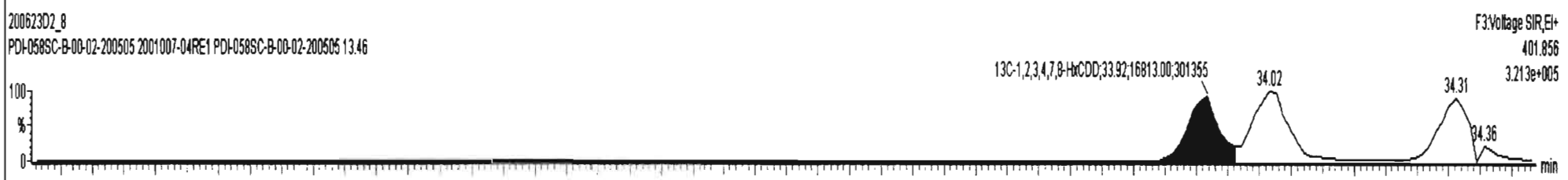
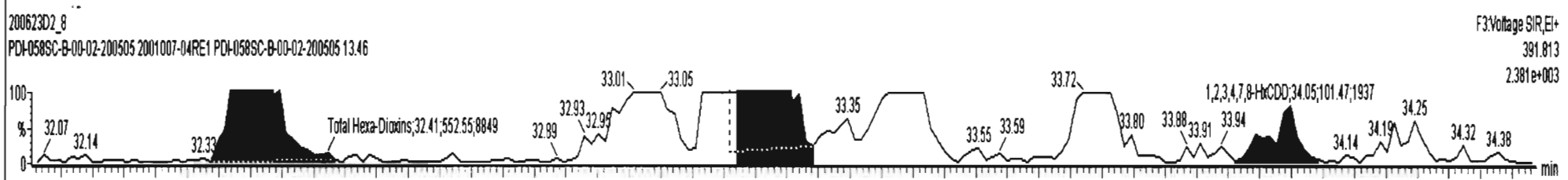
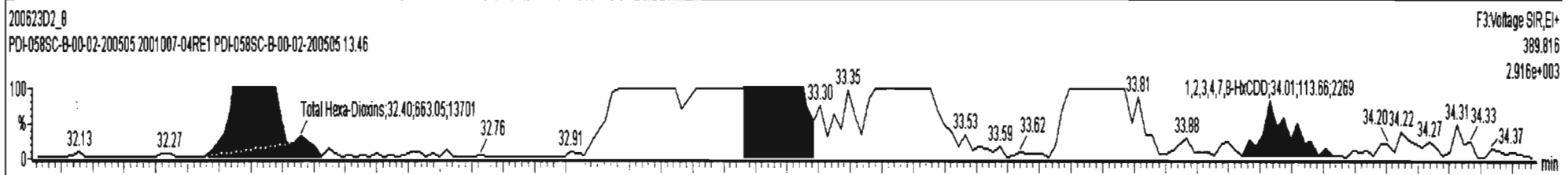


200623D2_8



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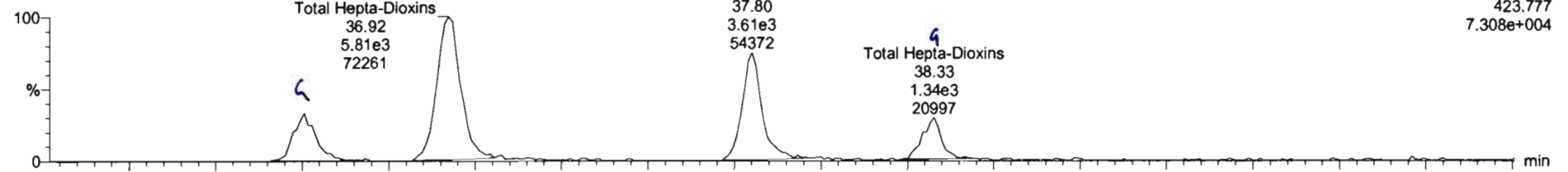
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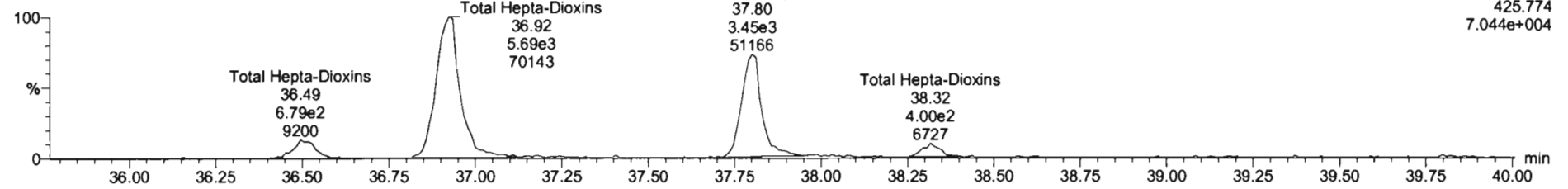
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1,2,3,4,6,7,8-HpCDD

200623D2_8

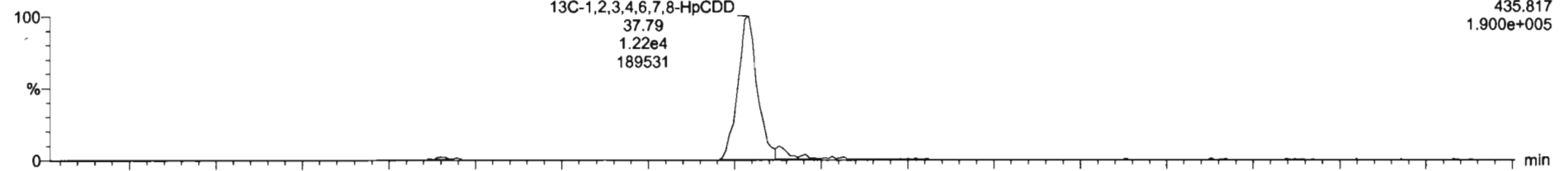


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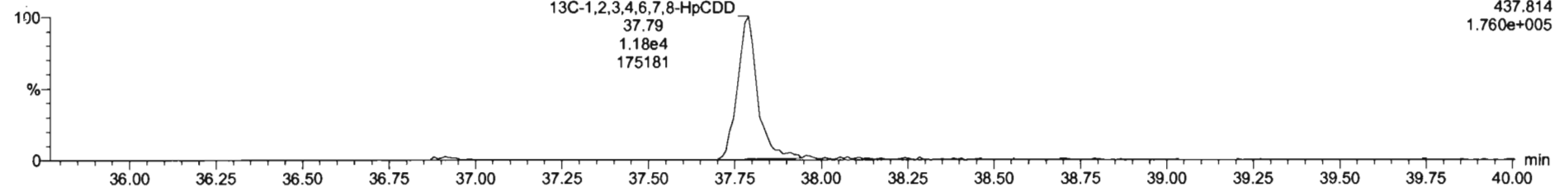


13C-1,2,3,4,6,7,8-HpCDD

200623D2_8



200623D2_8



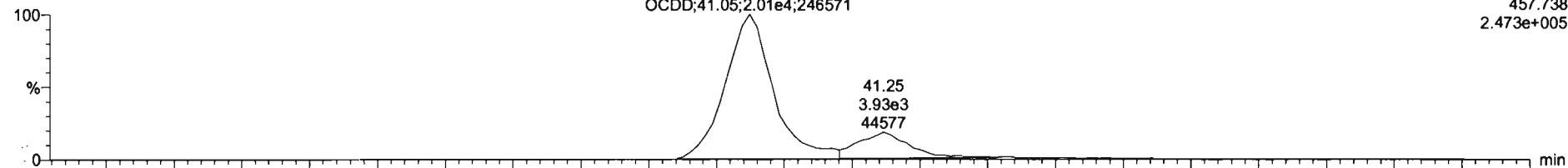
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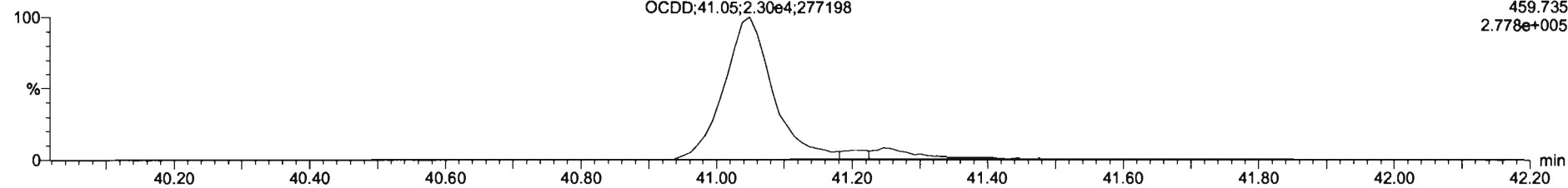
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OCDD

200623D2_8

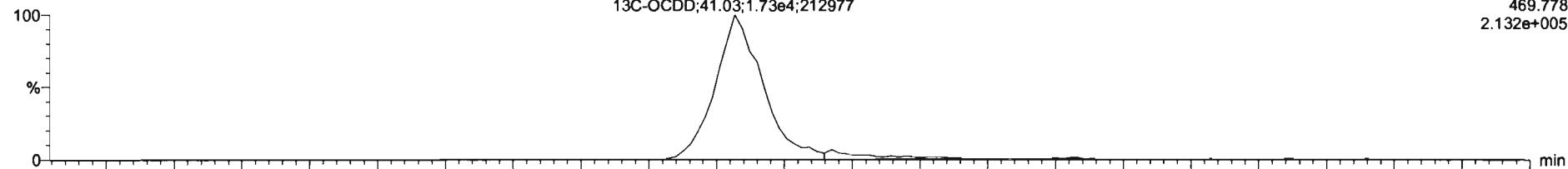


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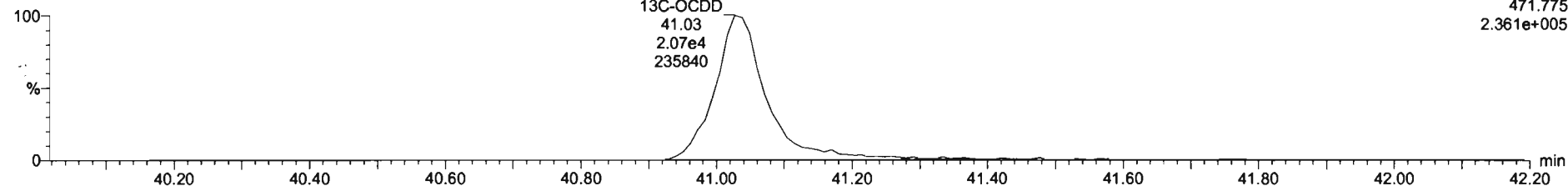


13C-OCDD

200623D2_8



200623D2_8

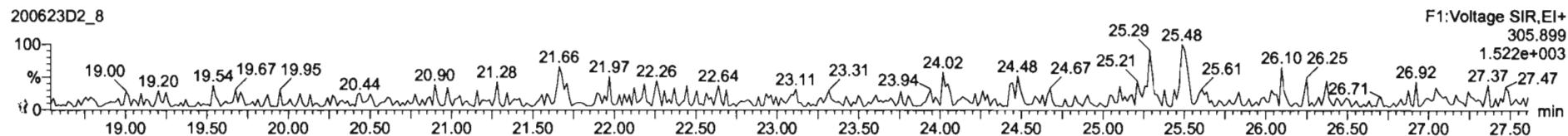
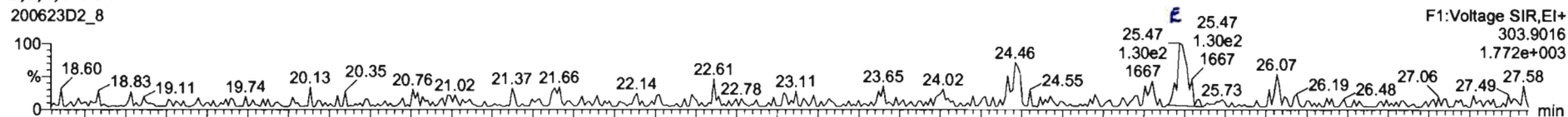


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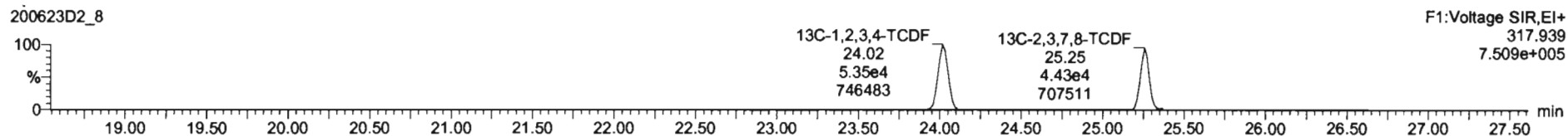
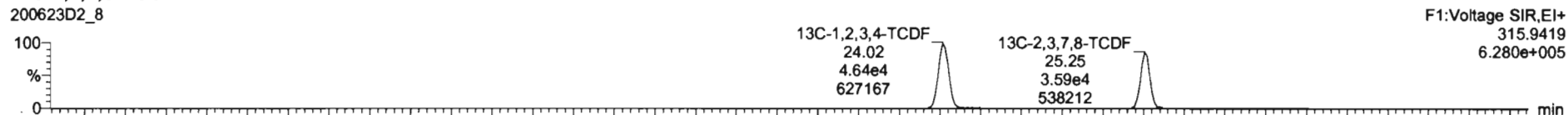
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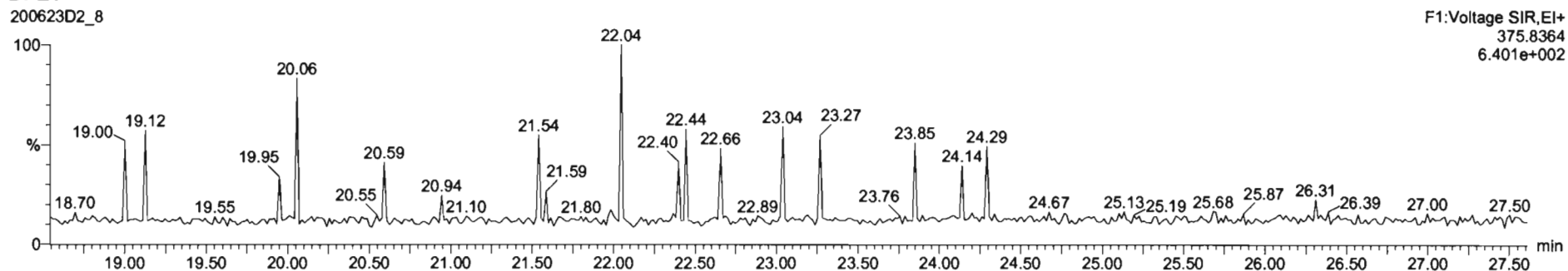
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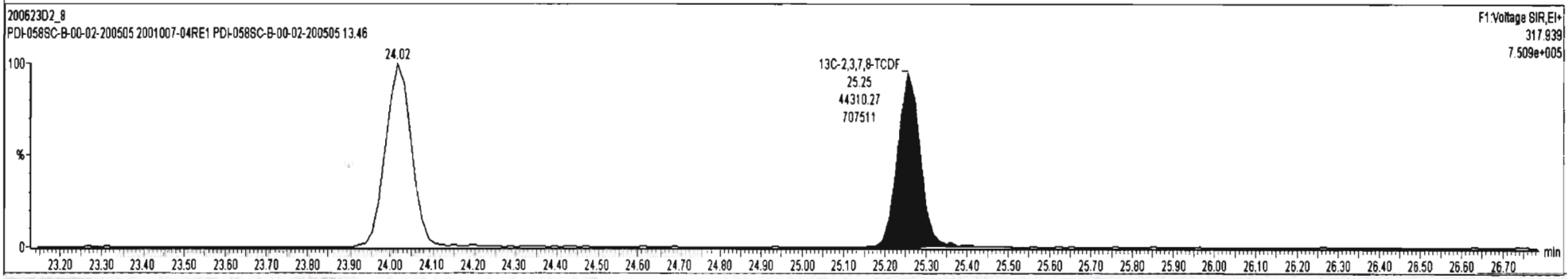
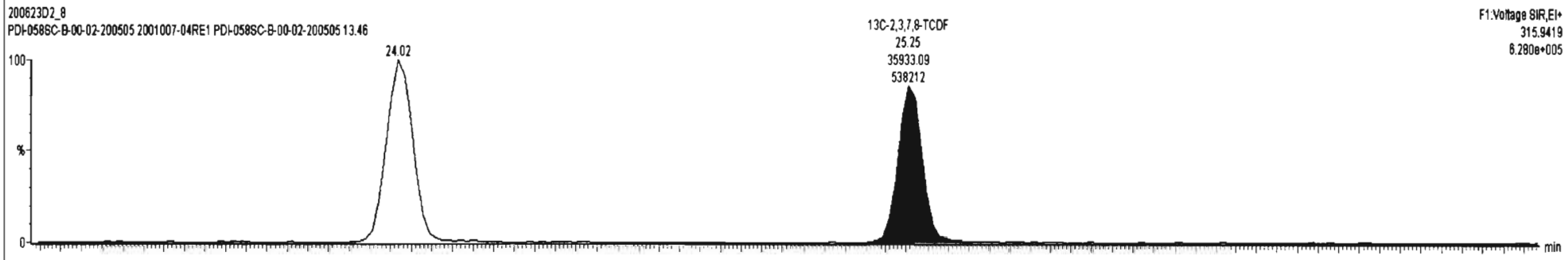
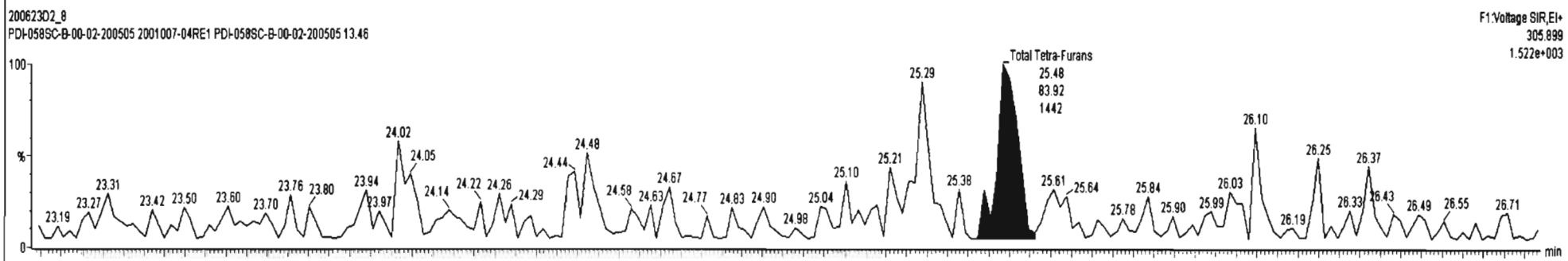
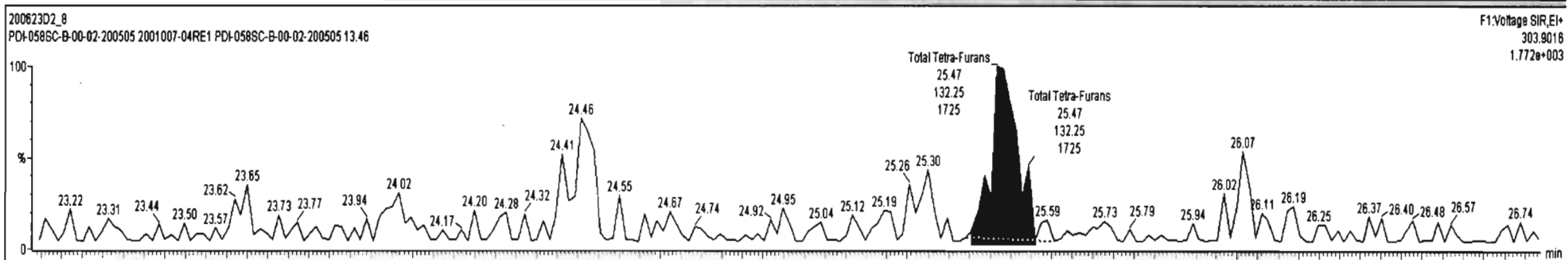


13C-2,3,7,8-TCDF



DPE1





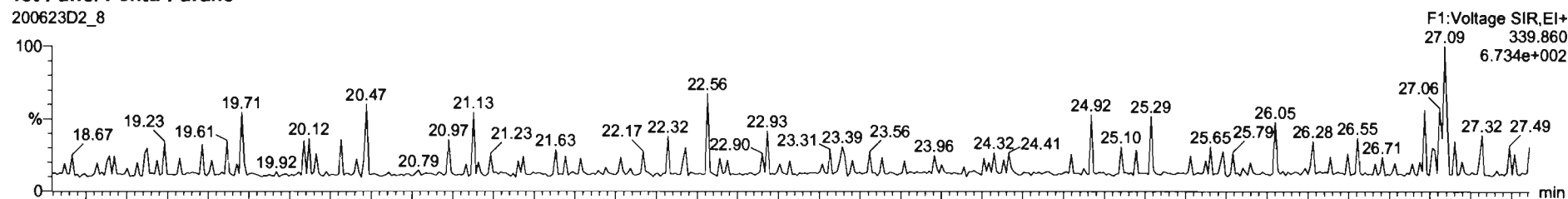
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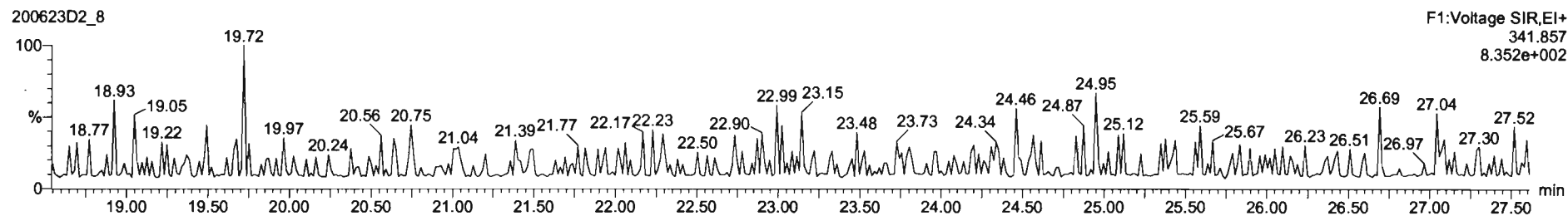
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200623D2_8

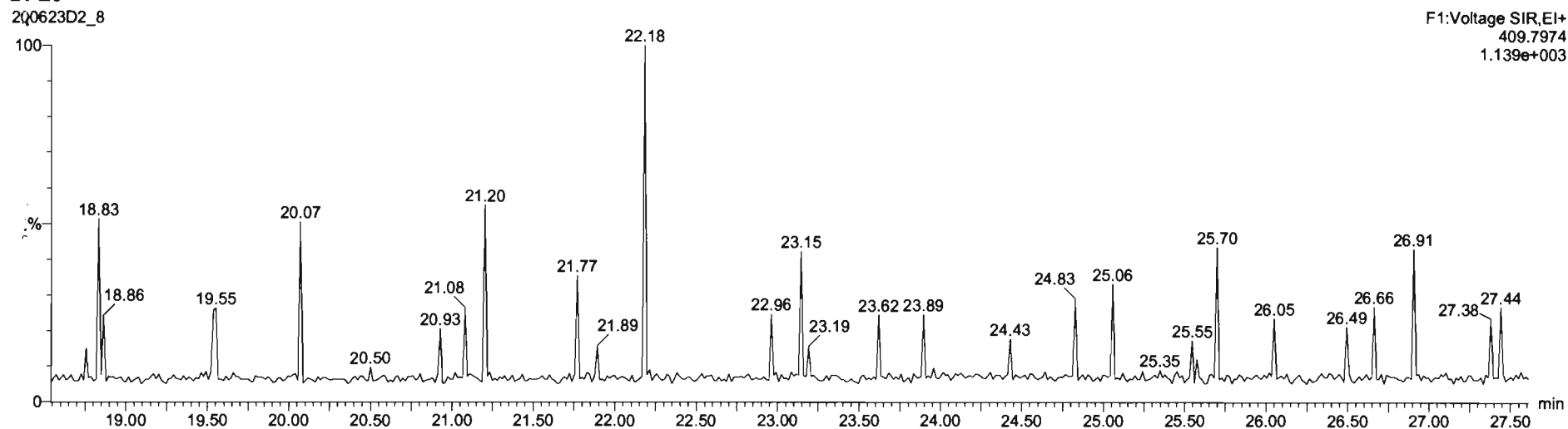


200623D2_8



DPE6

200623D2_8



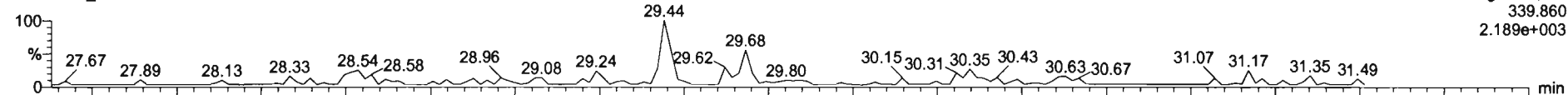
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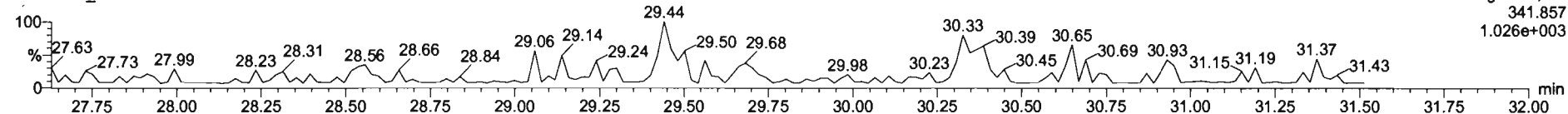
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1,2,3,7,8-PeCDF

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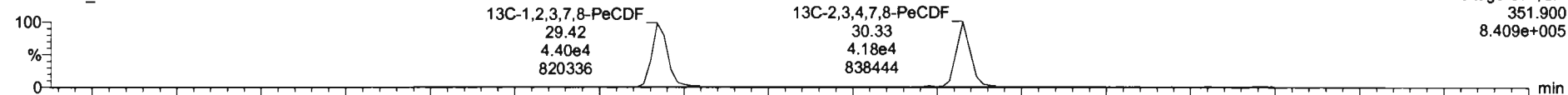


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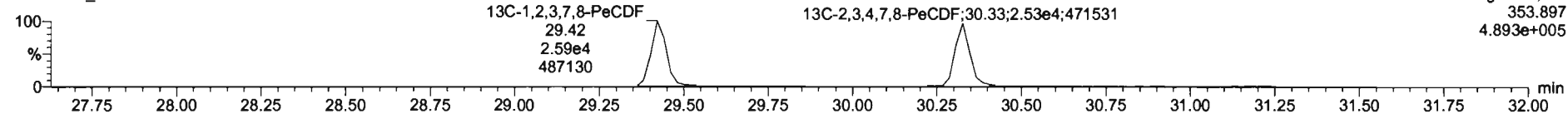


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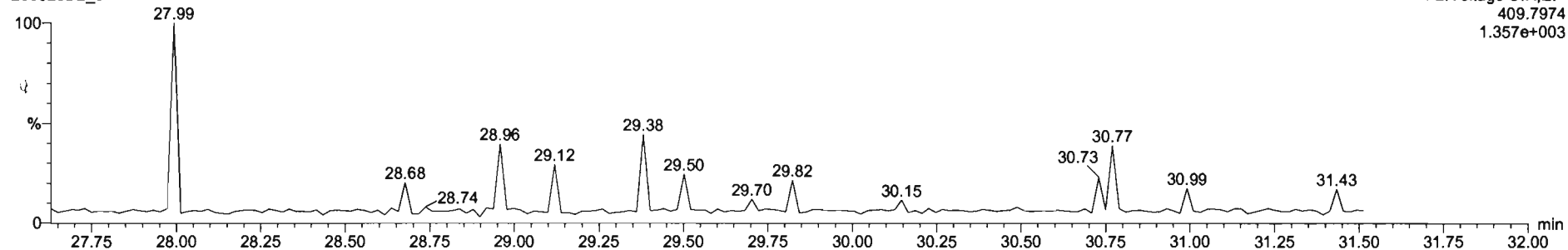


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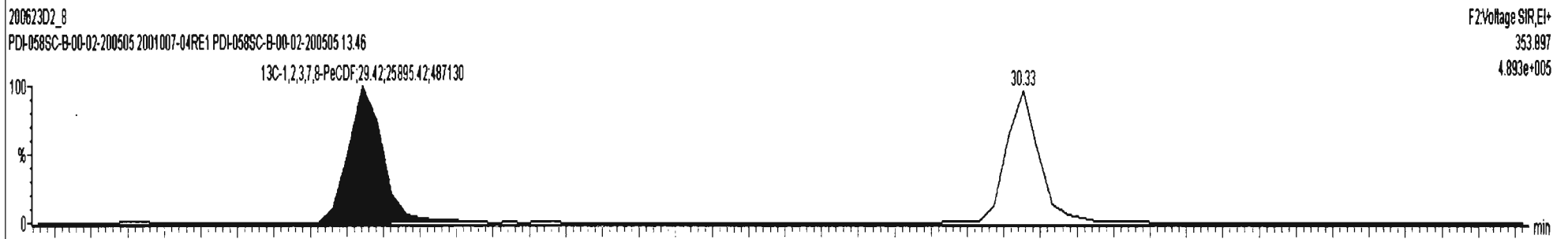
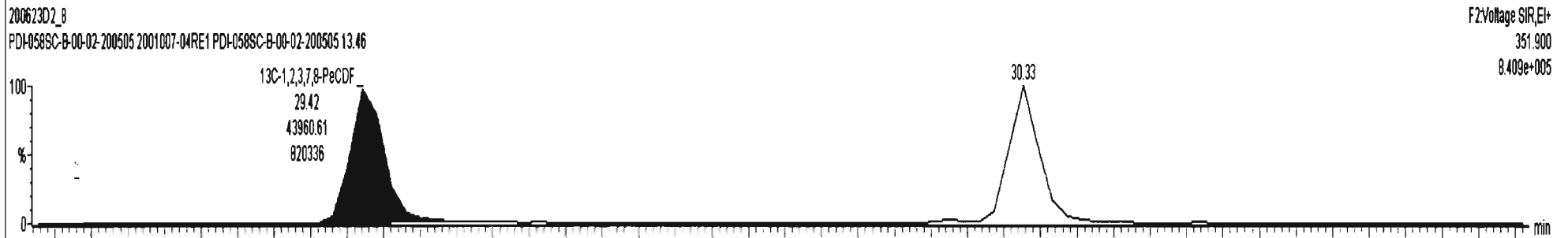
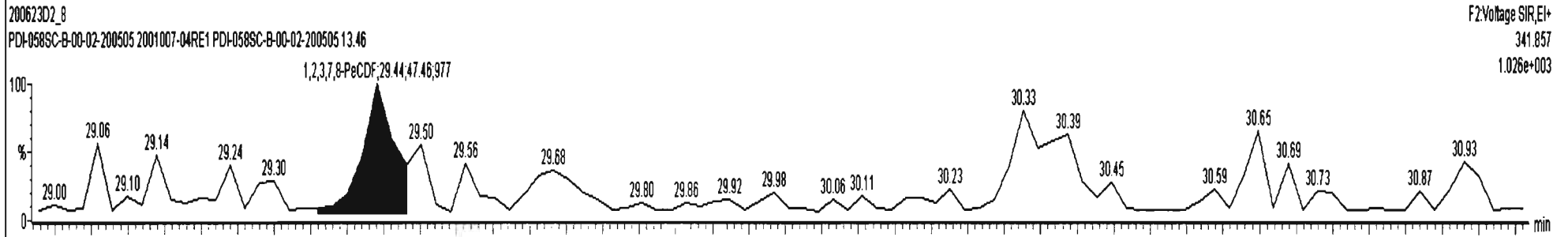
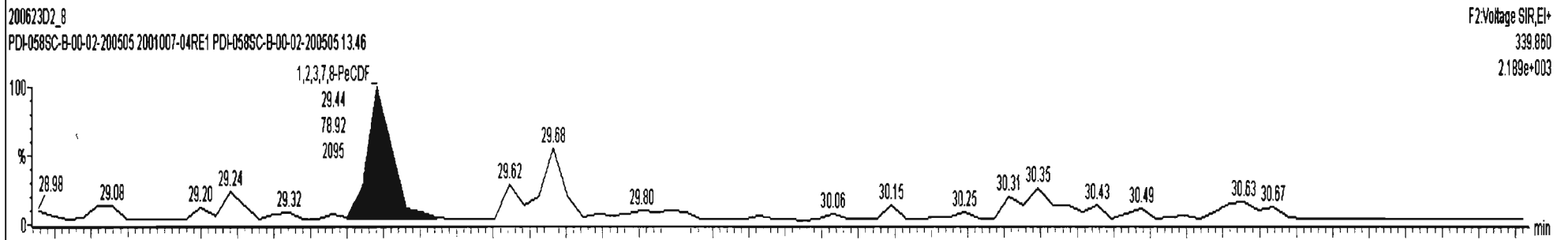
DPE2

200623D2_8





20062302_8.qld (1074 RE1 PDI-058SC-B-00-02-200505 13.46) PDI-058SC-B-00-02-200505 13.46

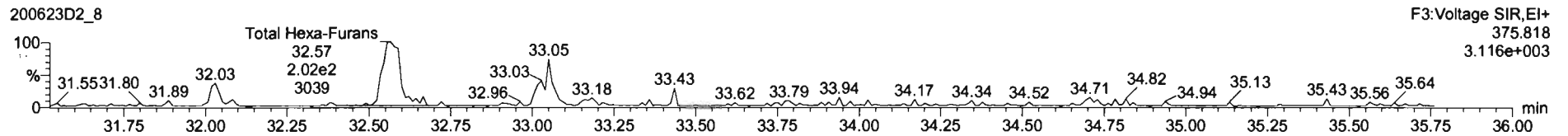
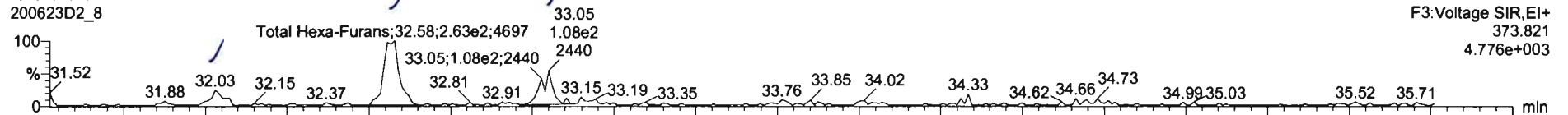


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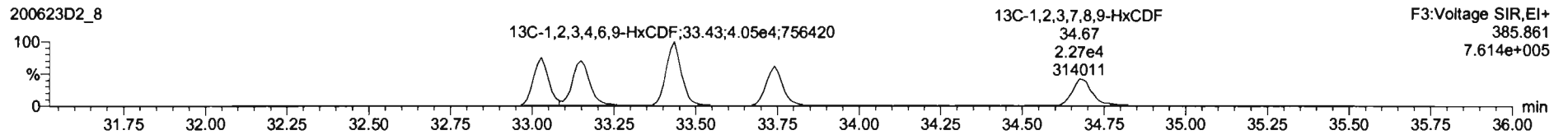
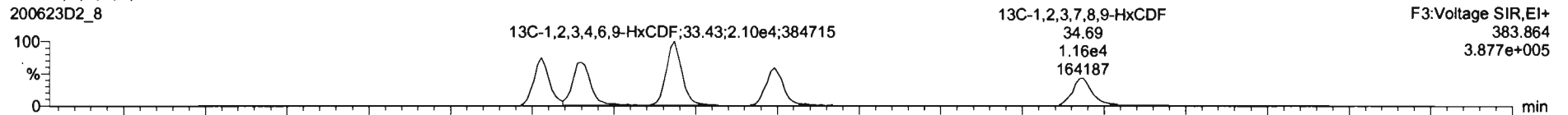
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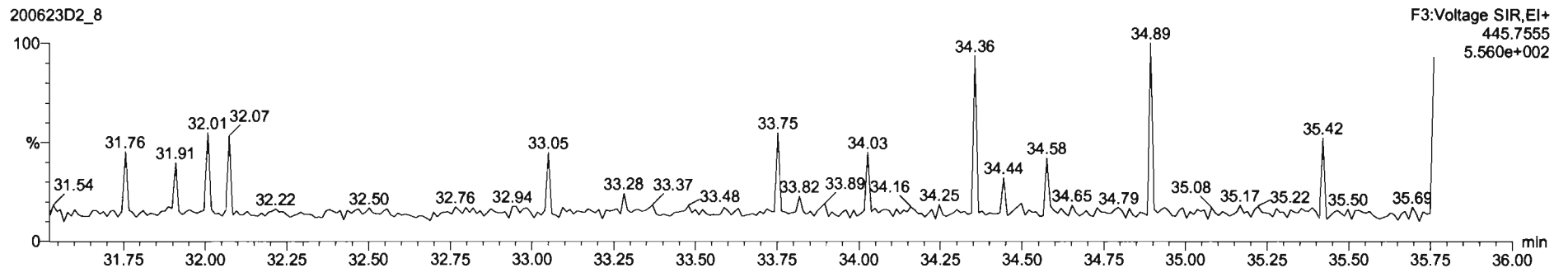
1,2,3,4,7,8-HxCDF

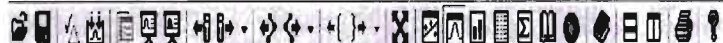


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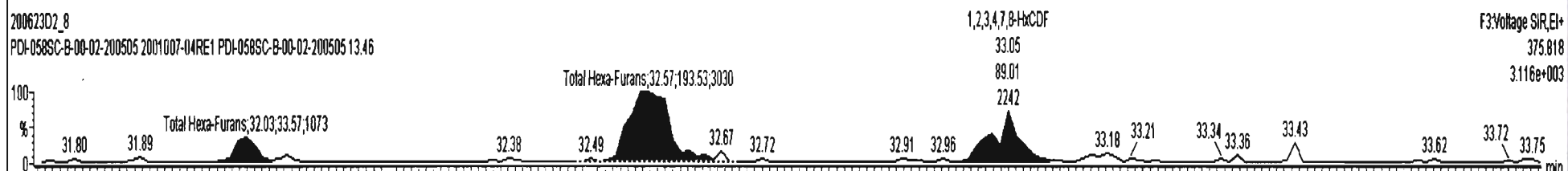
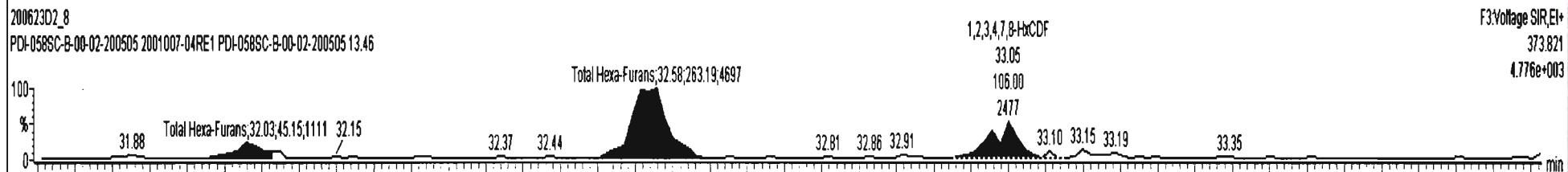


DPE3





200623D2_8-2001007-04RE1-PDI-058SC-B-00-02-200505 13.46-PDI-058SC-B-00-02-200505

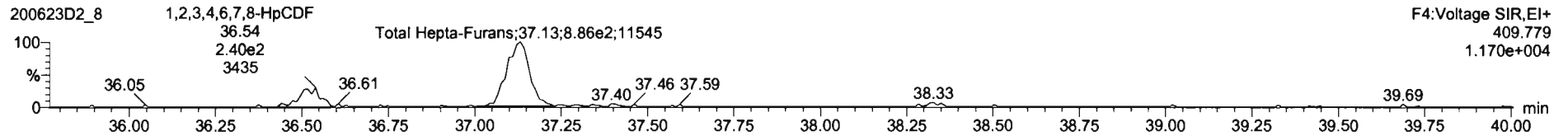
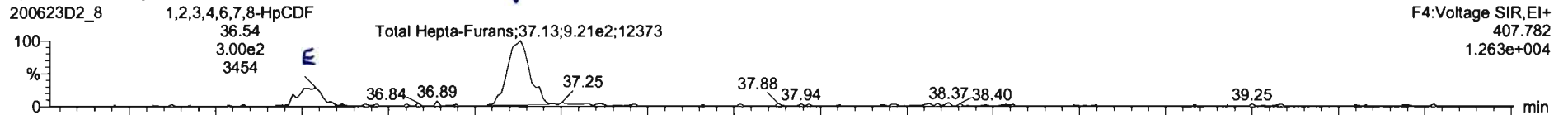


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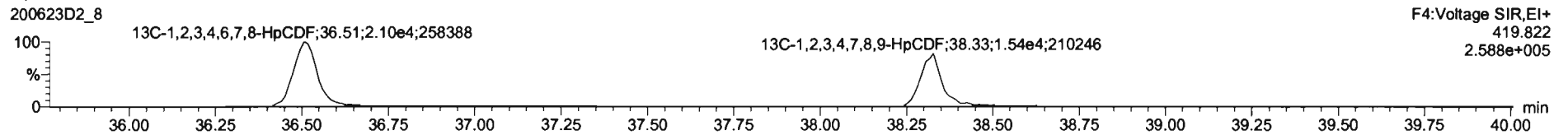
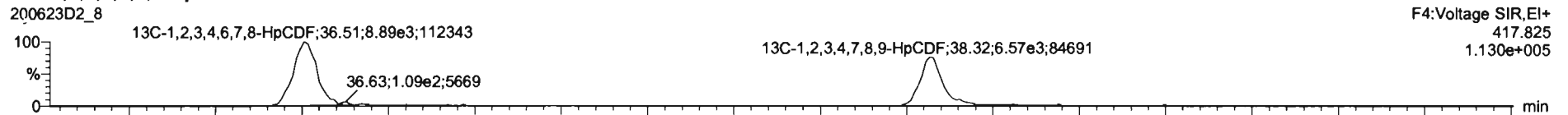
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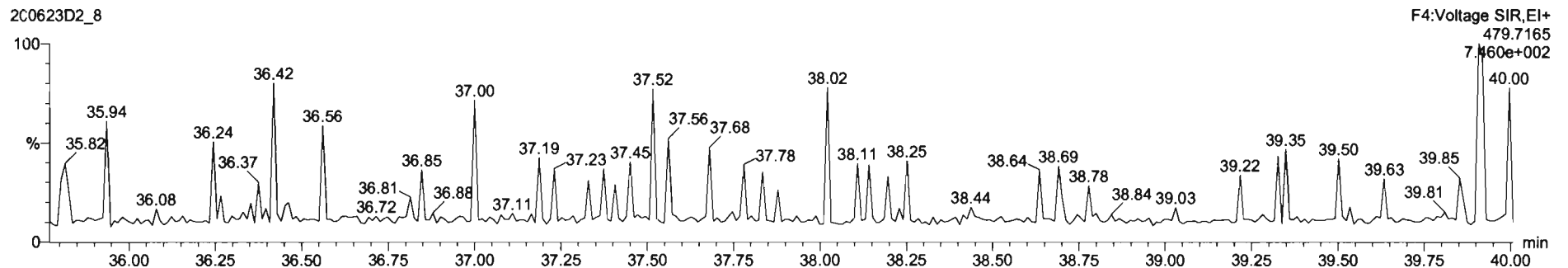
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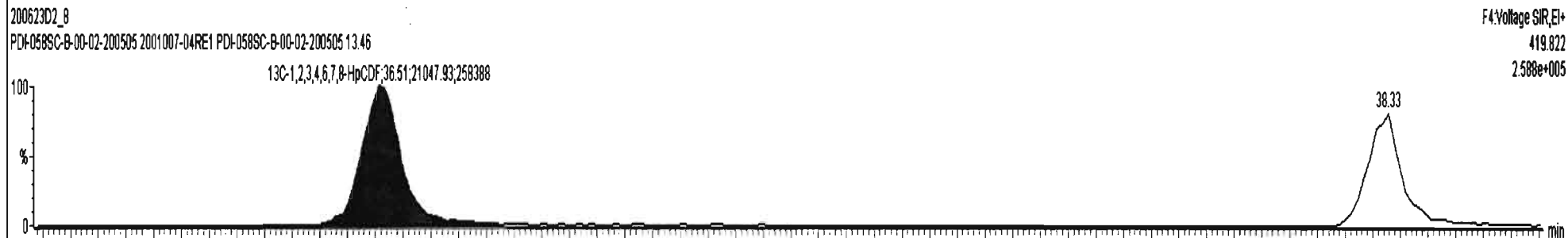
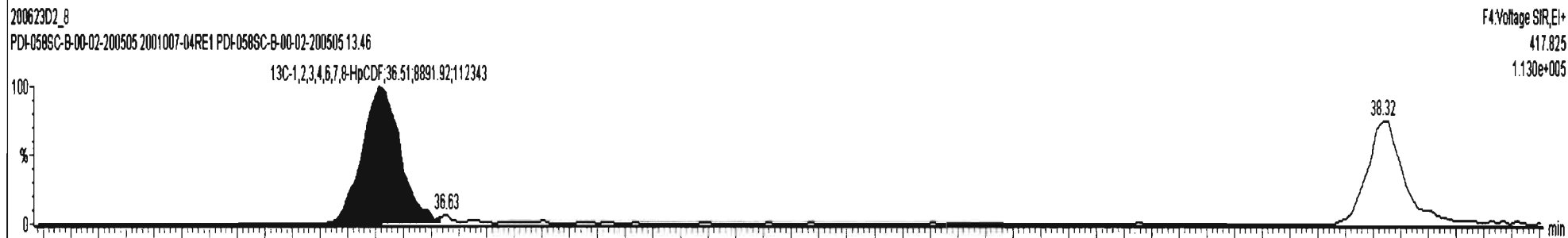
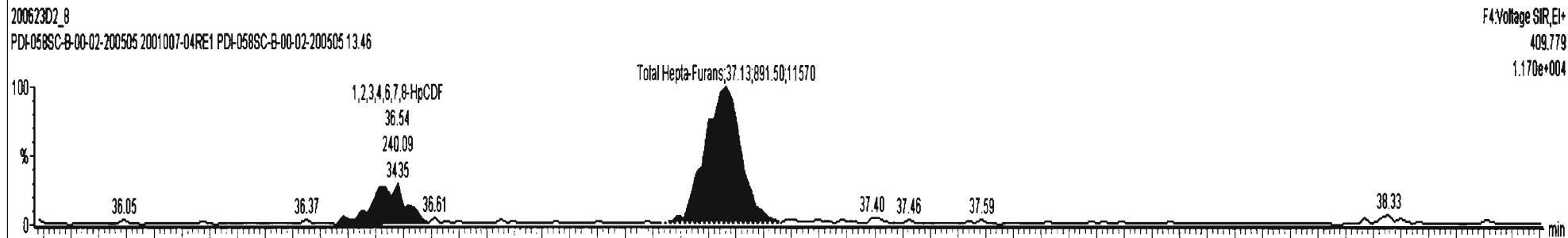
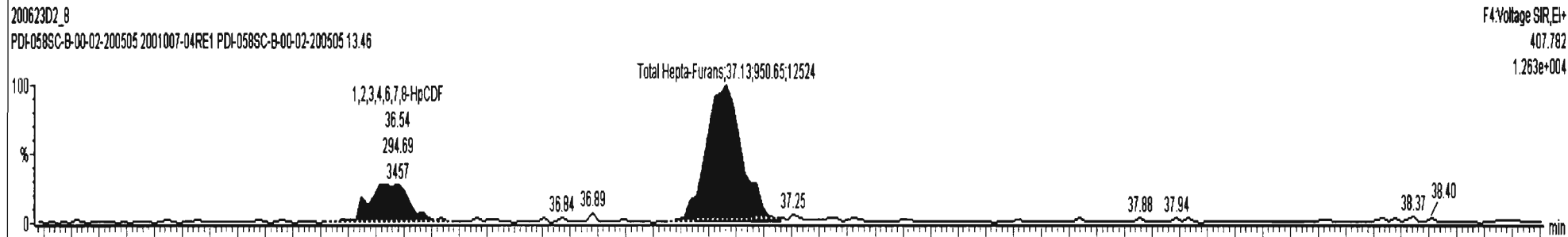


DPE4





200623D2_8_2001007-04RE1 PDH-058SC-B-00-02-200505 13.46 PDH-058SC-B-00-02-200505

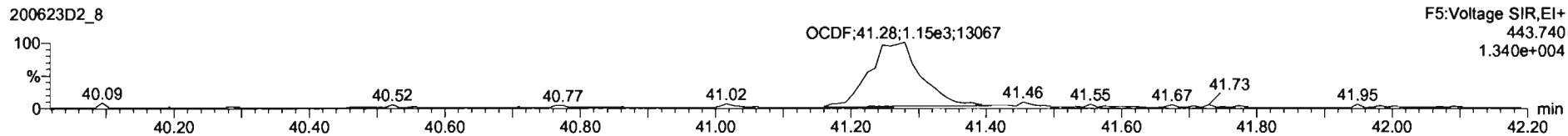
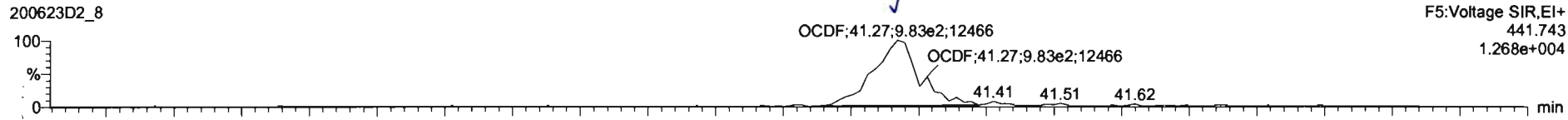


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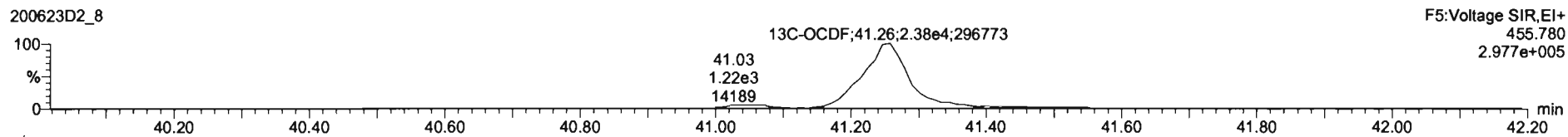
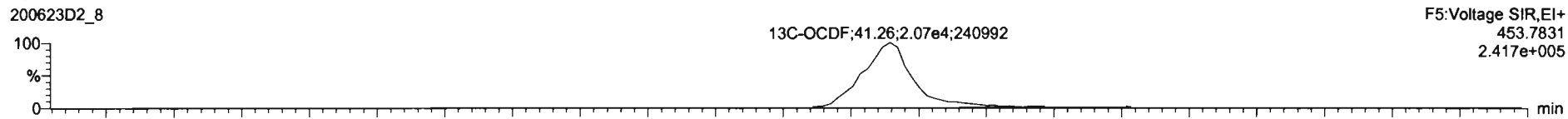
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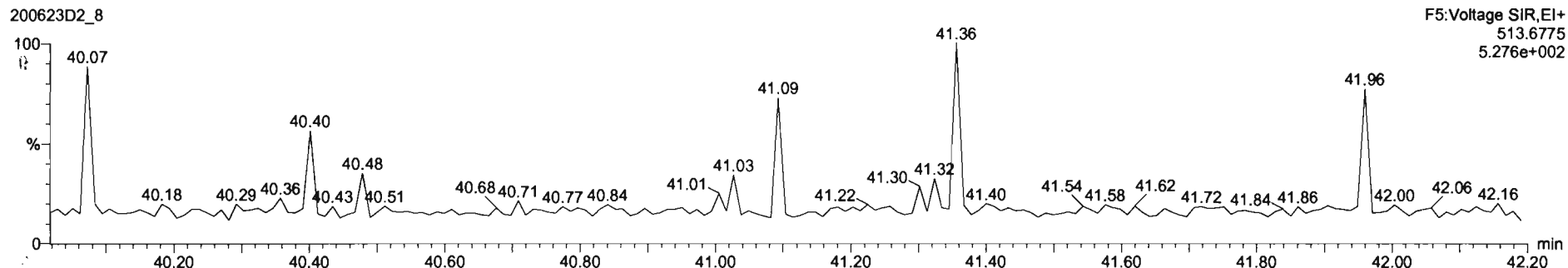
OCDF



13C-OCDF



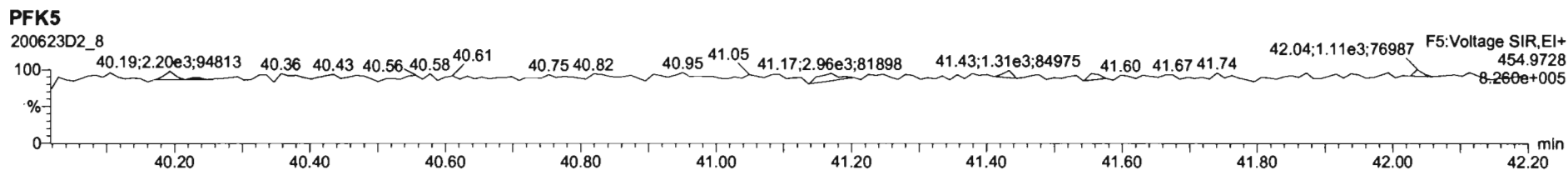
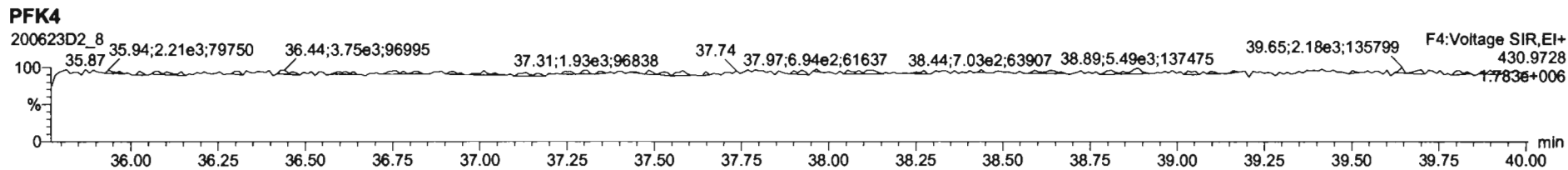
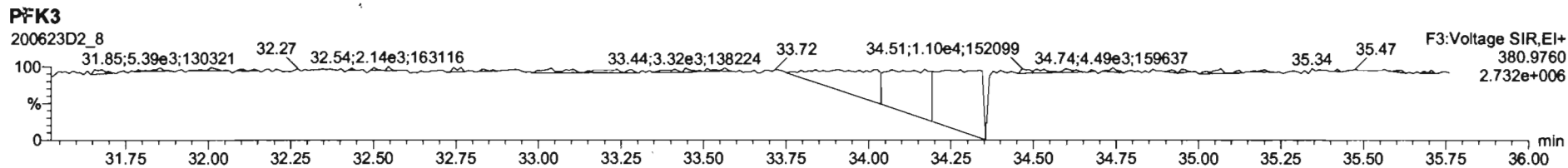
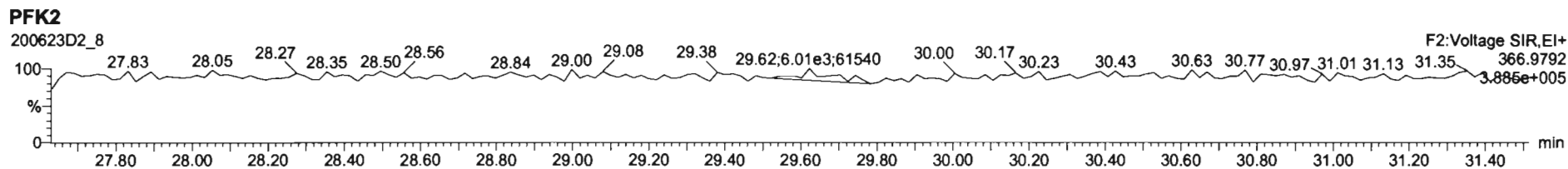
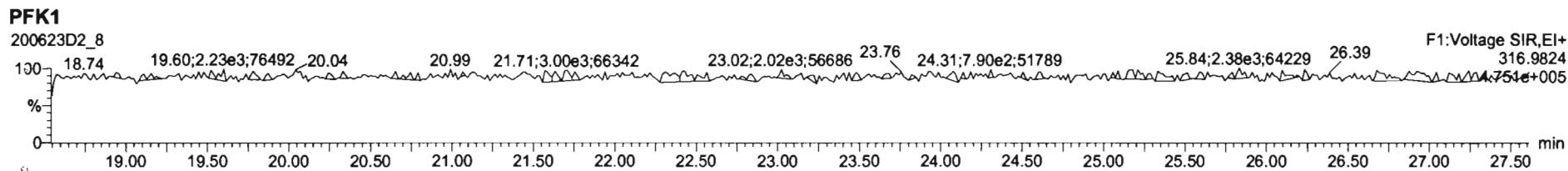
DPE5



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_8.qld

Last Altered: Wednesday, June 24, 2020 10:42:54 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:01:00 Pacific Daylight Time

Name: 200623D2_8, Date: 24-Jun-2020, Time: 02:41:32, ID: 2001007-04RE1 PDI-058SC-B-00-02-200505 13.46, Description: PDI-058SC-B-00-02-200505



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_9.qld

Last Altered: Wednesday, June 24, 2020 14:30:47 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:35:50 Pacific Daylight Time

DB 6/24/20 C106/25/200

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

#	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	0.986	10.142	26.081		1.001				0.606	0.334
2	2 1,2,3,7,8-PeCDD			NO	0.964	10.142	30.629		1.001				0.545	
3	3 1,2,3,4,7,8-HxCDD			NO	1.16	10.142	33.927		1.000				0.646	
4	4 1,2,3,6,7,8-HxCDD			NO	1.01	10.142	34.016		1.000				0.685	
5	5 1,2,3,7,8,9-HxCDD			NO	1.01	10.142	34.335		1.001				0.833	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.997	10.142	37.802		1.000				1.26	
7	7 OCDD	4.24e2	0.82	NO	1.01	10.142	41.038	41.06	1.000	1.001	5.8459		1.36	5.85
8	8 2,3,7,8-TCDF			NO	0.833	10.142	25.280		1.001				0.560	0.199
9	9 1,2,3,7,8-PeCDF			NO	0.965	10.142	29.442		1.001				0.276	
10	10 2,3,4,7,8-PeCDF			NO	1.01	10.142	30.356		1.001				0.254	
11	11 1,2,3,4,7,8-HxCDF			NO	1.09	10.142	33.028		1.000				0.228	
12	12 1,2,3,6,7,8-HxCDF			NO	1.07	10.142	33.159		1.000				0.228	
13	13 2,3,4,6,7,8-HxCDF			NO	1.15	10.142	33.775		1.001				0.292	
14	14 1,2,3,7,8,9-HxCDF			NO	1.11	10.142	34.685		1.000				0.387	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.16	10.142	36.544		1.001				0.357	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.35	10.142	38.328		1.000				0.385	
17	17 OCDF			NO	0.949	10.142	41.258		1.000				1.17	
18	18 13C-2,3,7,8-TCDD	4.12e4	0.81	NO	1.26	10.142	26.148	26.05	1.026	1.022	113.68	57.6	2.36	
19	19 13C-1,2,3,7,8-PeCDD	3.21e4	0.64	NO	0.921	10.142	30.633	30.61	1.202	1.201	121.34	61.5	0.744	
20	20 13C-1,2,3,4,7,8-HxCDD	2.24e4	1.32	NO	0.707	10.142	33.902	33.92	1.014	1.014	109.35	55.5	1.64	
21	21 13C-1,2,3,6,7,8-HxCDD	2.90e4	1.29	NO	0.829	10.142	34.012	34.02	1.017	1.017	121.05	61.4	1.40	
22	22 13C-1,2,3,7,8,9-HxCDD	2.36e4	1.25	NO	0.808	10.142	34.283	34.30	1.025	1.026	100.85	51.1	1.44	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.86e4	1.11	NO	0.662	10.142	37.747	37.79	1.129	1.130	97.434	49.4	1.32	
24	24 13C-OCDD	2.82e4	0.86	NO	0.608	10.142	40.769	41.04	1.219	1.227	160.31	40.6	1.20	
25	25 13C-2,3,7,8-TCDF	5.30e4	0.76	NO	1.07	10.142	25.230	25.25	0.990	0.991	104.50	53.0	1.44	
26	26 13C-1,2,3,7,8-PeCDF	5.15e4	1.64	NO	0.826	10.142	29.453	29.42	1.156	1.154	131.21	66.5	1.13	
27	27 13C-2,3,4,7,8-PeCDF	4.92e4	1.62	NO	0.796	10.142	30.353	30.33	1.191	1.190	130.06	66.0	1.17	
28	28 13C-1,2,3,4,7,8-HxCDF	3.43e4	0.49	NO	1.08	10.142	33.033	33.03	0.988	0.988	110.22	55.9	1.31	
29	29 13C-1,2,3,6,7,8-HxCDF	3.68e4	0.54	NO	1.12	10.142	33.167	33.15	0.992	0.991	113.12	57.4	1.26	
30	30 13C-2,3,4,6,7,8-HxCDF	3.12e4	0.51	NO	1.02	10.142	33.738	33.74	1.009	1.009	105.29	53.4	1.38	
31	31 13C-1,2,3,7,8,9-HxCDF	2.53e4	0.53	NO	0.887	10.142	34.638	34.69	1.036	1.037	98.634	50.0	1.59	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_9.qld

Last Altered: Wednesday, June 24, 2020 14:30:47 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:50 Pacific Daylight Time

Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	2.34e4	0.44	NO	0.811	10.142	36.343	36.51	1.087	1.092	99.884	50.7	1.51	
33	13C-1,2,3,4,7,8,9-HpCDF	1.62e4	0.46	NO	0.598	10.142	38.349	38.33	1.147	1.146	93.349	47.3	2.05	
34	13C-OCDF	3.40e4	0.87	NO	0.752	10.142	40.923	41.26	1.224	1.234	156.27	39.6	1.20	
35	37Cl-2,3,7,8-TCDD	1.67e4			1.24	10.142	26.145	26.07	1.026	1.023	46.723	59.2	0.301	
36	13C-1,2,3,4-TCDD	5.67e4	0.81	NO	1.00	10.142	25.480	25.49	1.000	1.000	197.19	100	2.97	
37	13C-1,2,3,4-TCDF	9.37e4	0.82	NO	1.00	10.142	24.020	24.02	1.000	1.000	197.19	100	1.54	
38	13C-1,2,3,4,6,9-HxCDF	5.70e4	0.51	NO	1.00	10.142	33.530	33.43	1.000	1.000	197.19	100	1.41	
39	Total Tetra-Dioxins				0.986	10.142	24.620		0.000				0.384	
40	Total Penta-Dioxins				0.964	10.142	29.960		0.000				0.303	
41	Total Hexa-Dioxins				1.01	10.142	33.635		0.000		0.70700		0.425	0.707
42	Total Hepta-Dioxins				0.997	10.142	37.640		0.000				0.586	
43	Total Tetra-Furans				0.833	10.142	23.610		0.000		0.51299		0.271	0.945
44	1st Func. Penta-Furans				0.965	10.142	27.090		0.000				0.0480	
45	Total Penta-Furans				0.965	10.142	29.275		0.000				0.0890	
46	Total Hexa-Furans				1.15	10.142	33.555		0.000				0.147	
47	Total Hepta-Furans				1.16	10.142	37.835		0.000				0.228	

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Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_9.qld

Last Altered: Wednesday, June 24, 2020 14:30:47 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:50 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_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL	
1	Total Hexa-Dioxins	32.41	1.313e3	8.020e2	4.967e1	4.056e1	1.22	NO	9.023e1	0.70700	0.70700	0.425

Hepta-Dioxins

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

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL	
1	Total Tetra-Furans	21.62	8.520e2	9.370e2	4.716e1	6.780e1	0.70	NO	1.150e2	0.51299	0.51299	0.271
2	Total Tetra-Furans	25.48	2.049e3	1.487e3	8.117e1	5.465e1	1.49	YES	0.000e0	0.00000	0.43164	0.271

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_9.qld

Last Altered: Wednesday, June 24, 2020 14:30:47 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:35:50 Pacific Daylight Time

Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

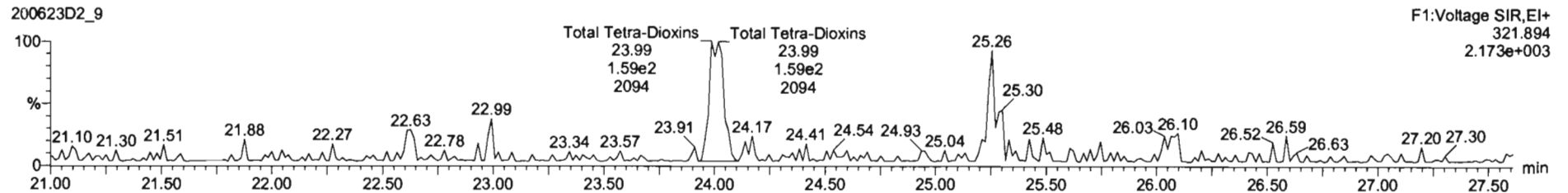
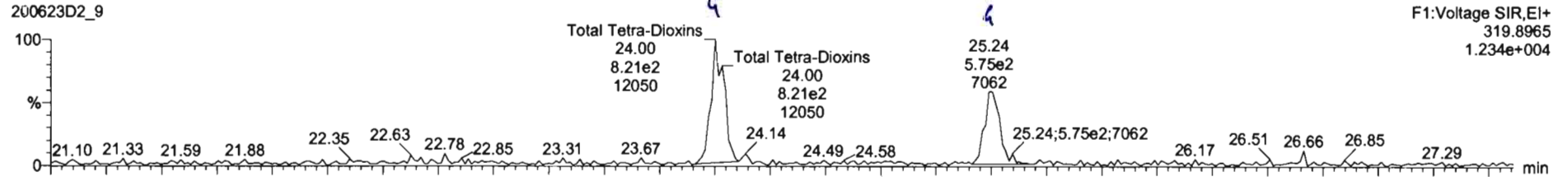
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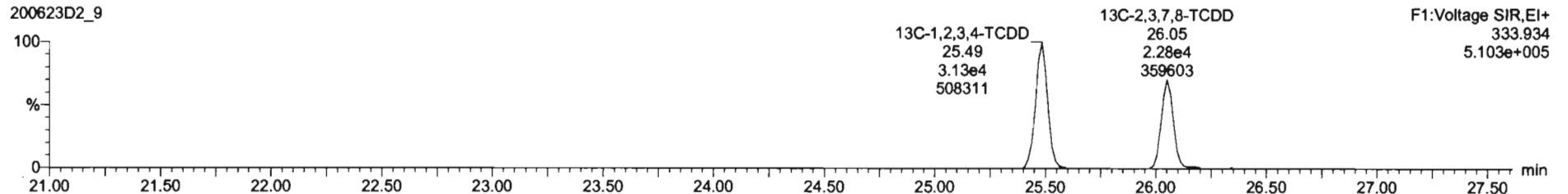
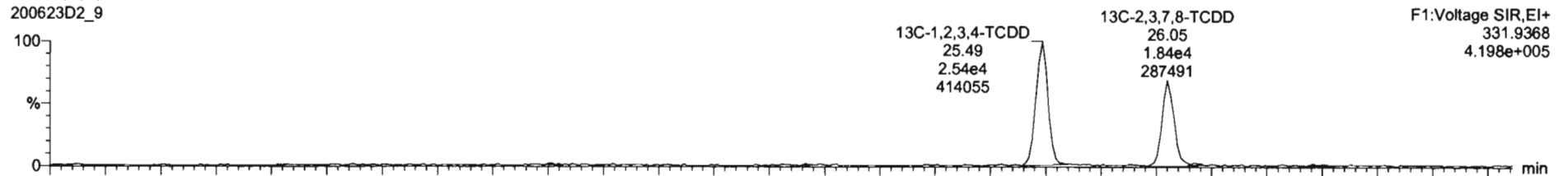
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Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

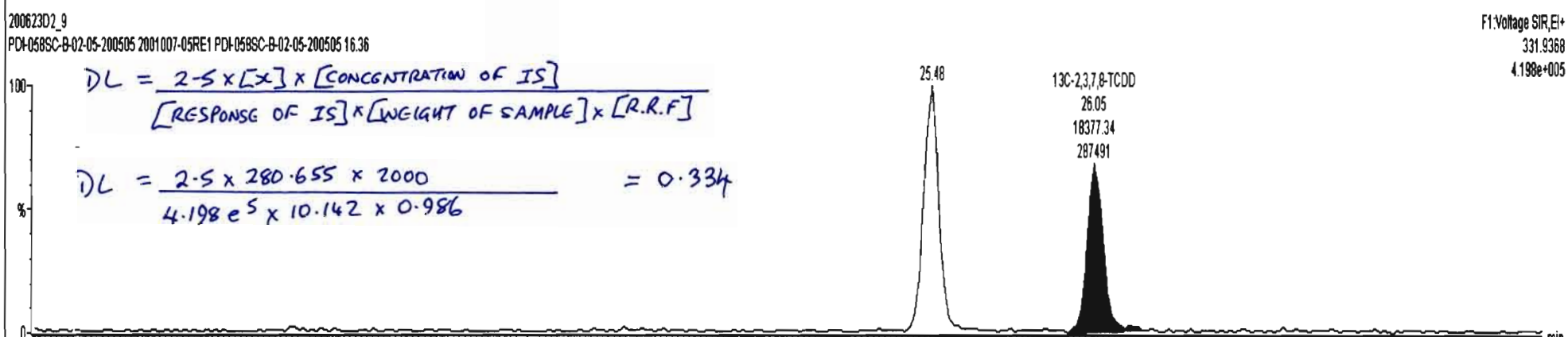
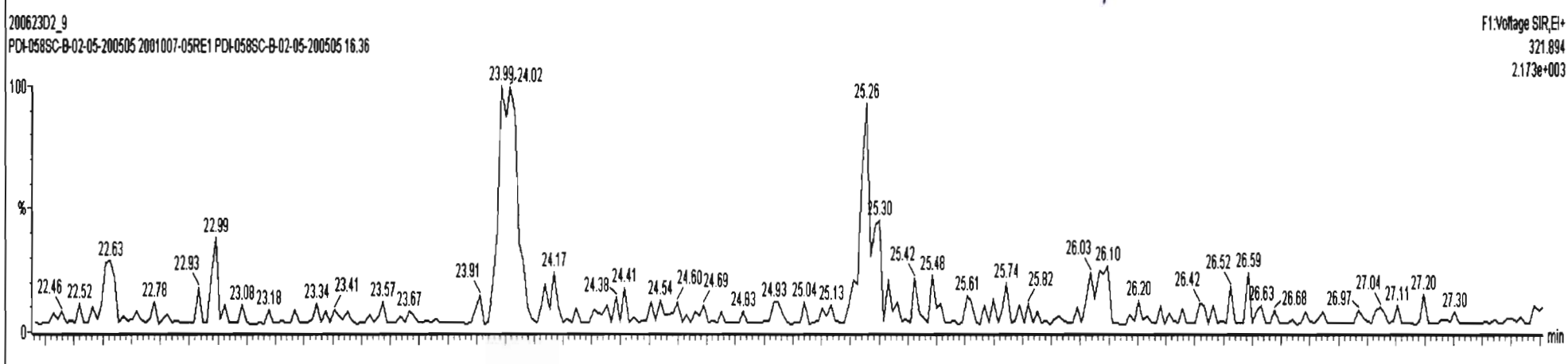
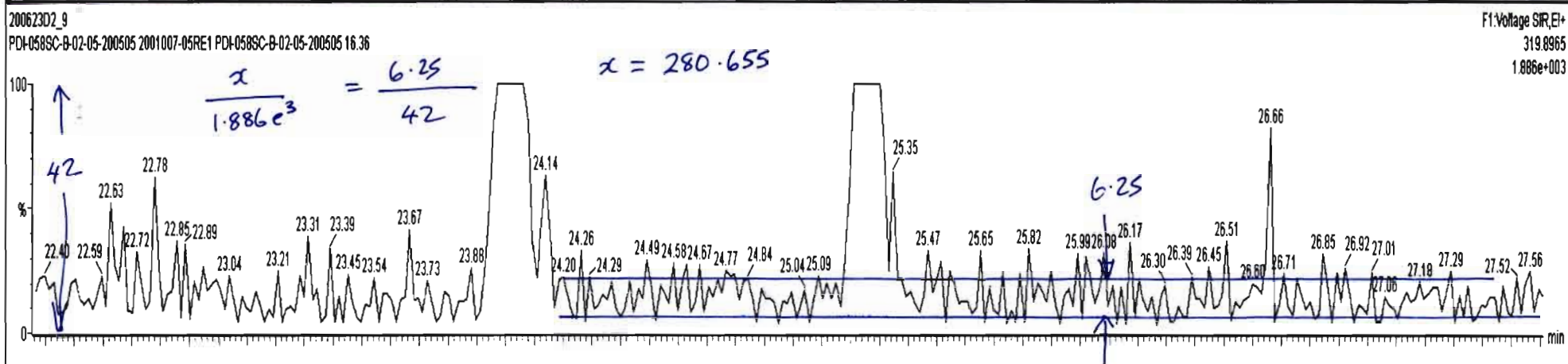
2,3,7,8-TCDD



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



20062302_9



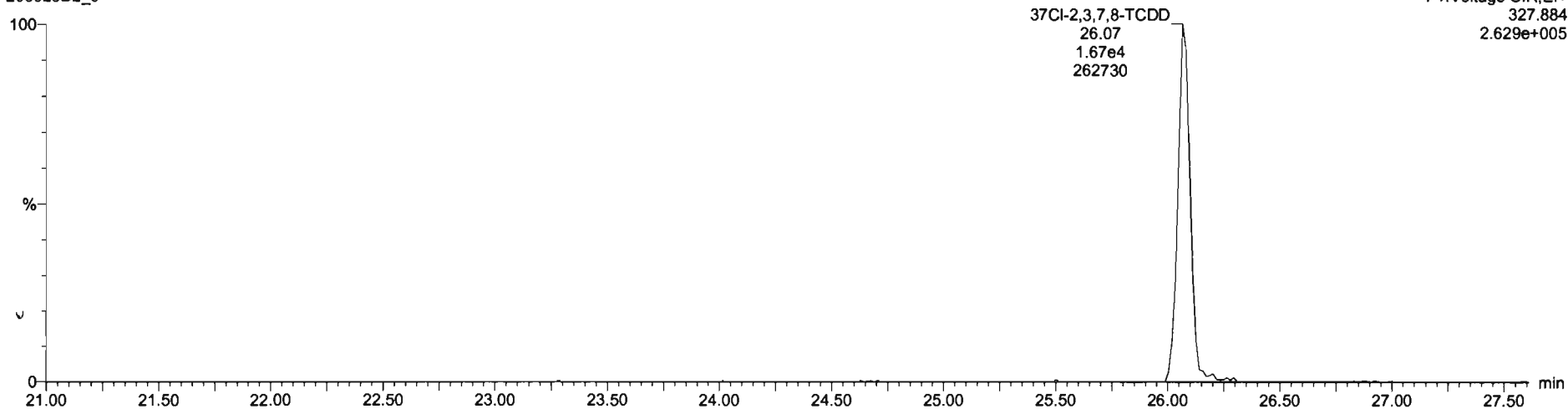
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Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

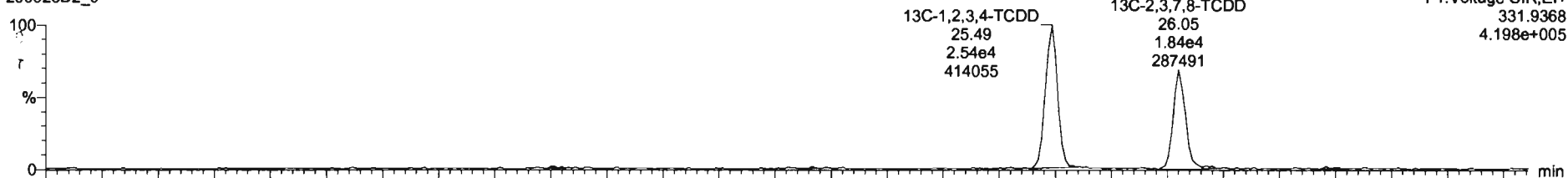
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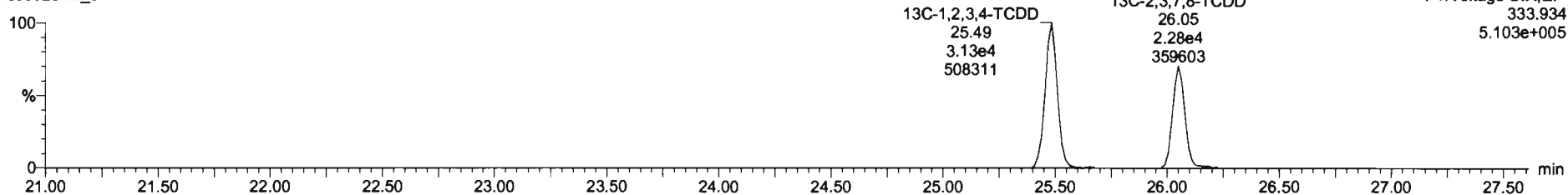


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200623D2_9



200623D2_9



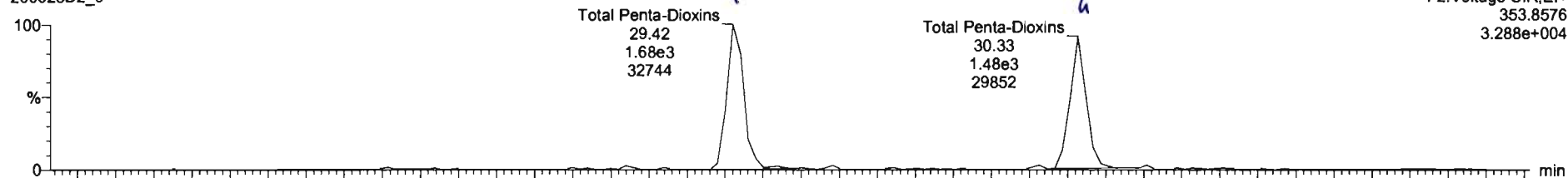
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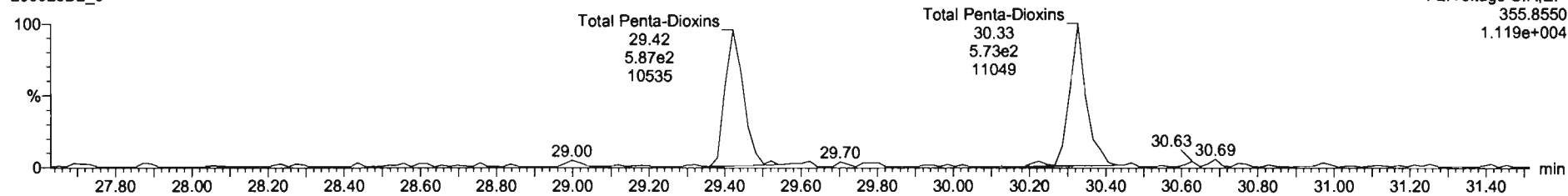
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1,2,3,7,8-PeCDD

200623D2_9

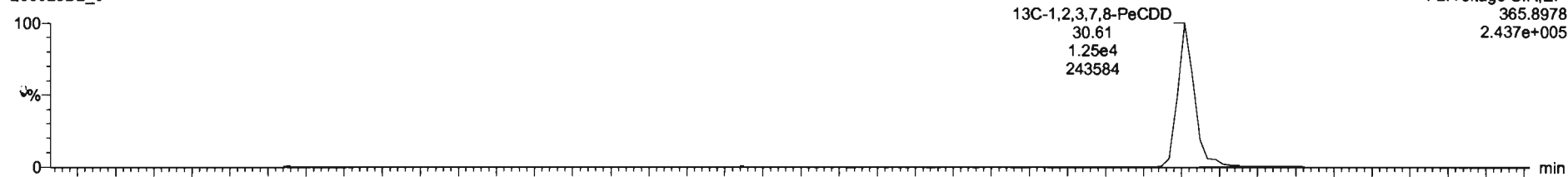


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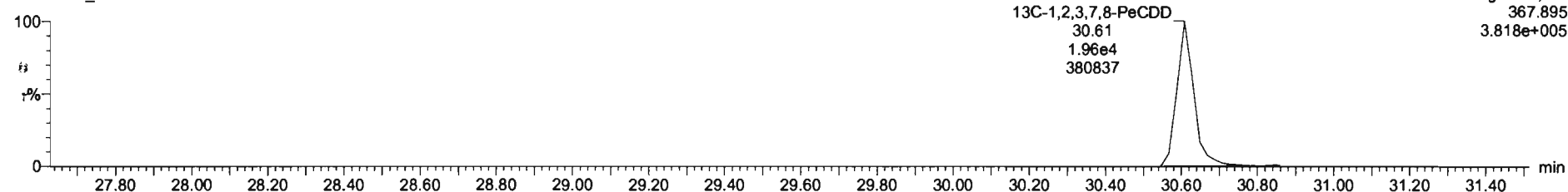


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200623D2_9



200623D2_9



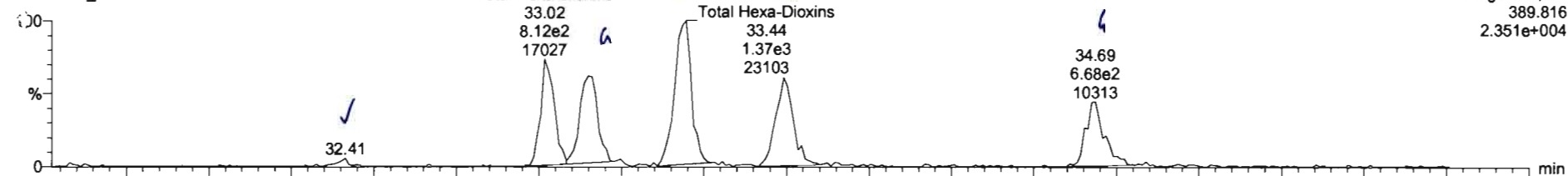
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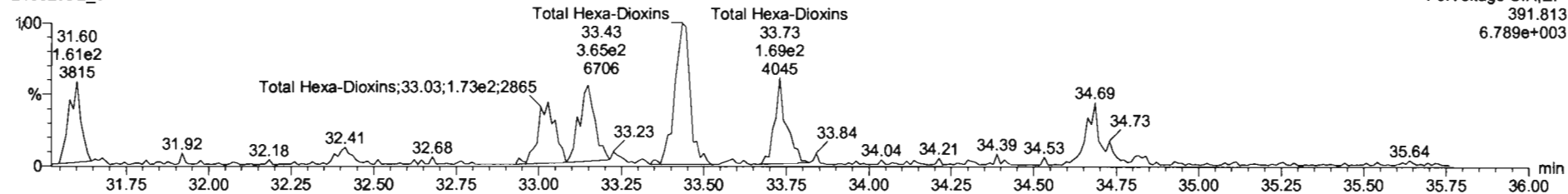
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1,2,3,4,7,8-HxCDD

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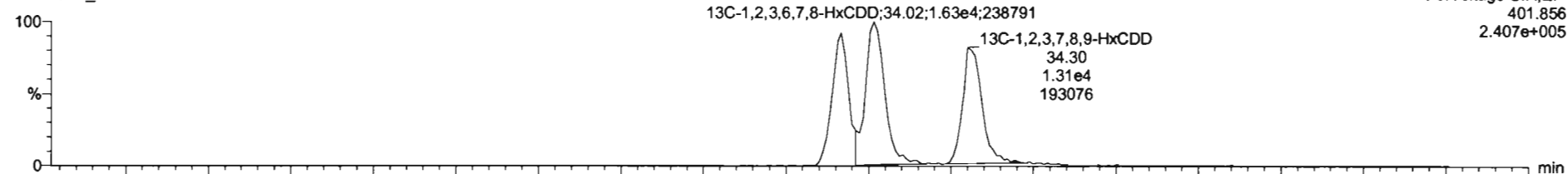


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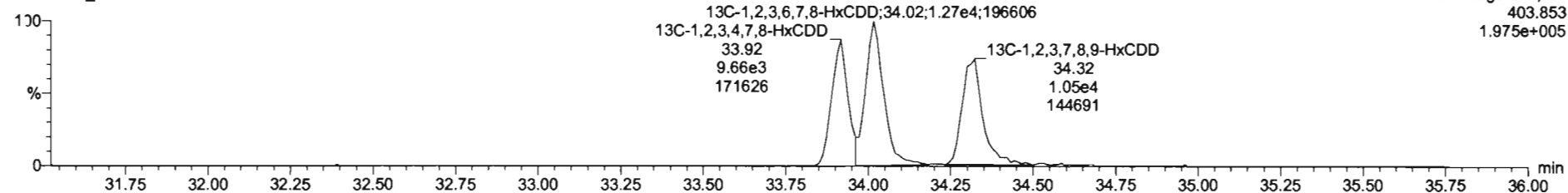


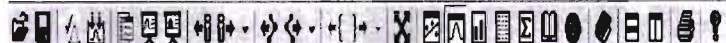
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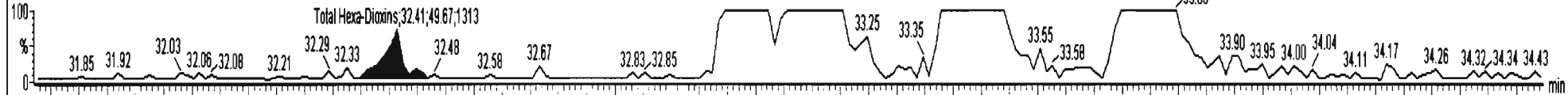


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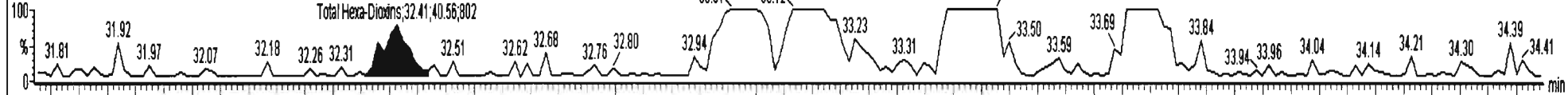




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1.988e+003



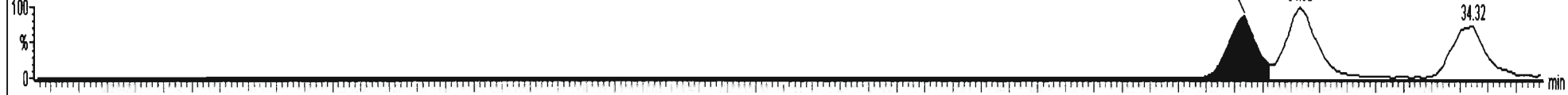
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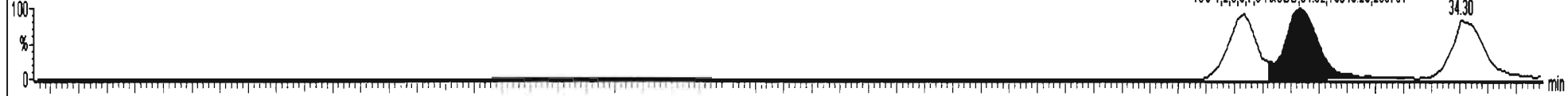
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2.407e+005



200623D2_9 F3:Voltage SIR,EI+
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1.975e+005



200623D2_9 F3:Voltage SIR,EI+
PDI-058SC-B-02-05-200505 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36 401.856
2.407e+005



200623D2_9 F3:Voltage SIR,EI+
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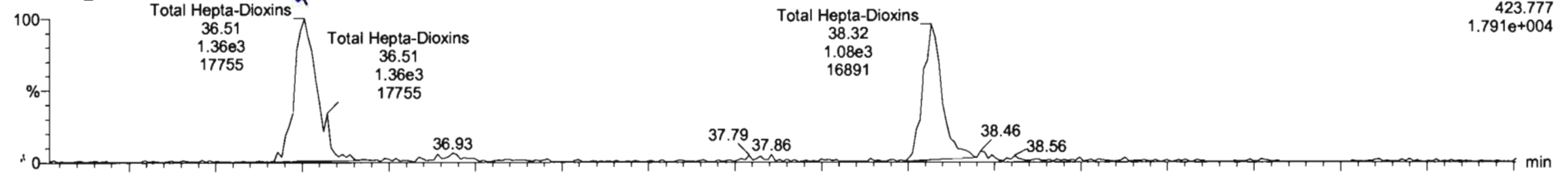
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Printed: Wednesday, June 24, 2020 14:23:58 Pacific Daylight Time

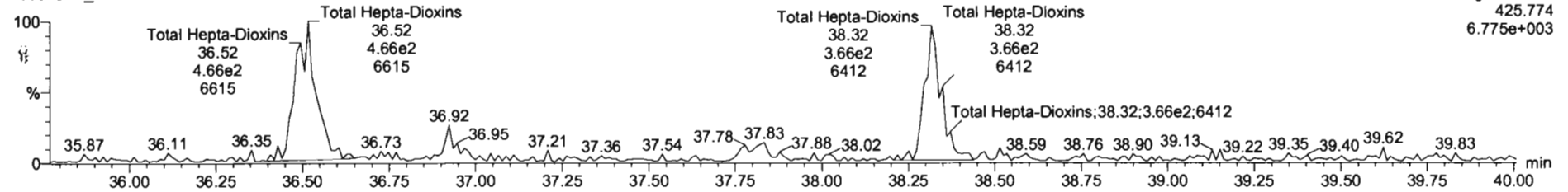
Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

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

200623D2_9

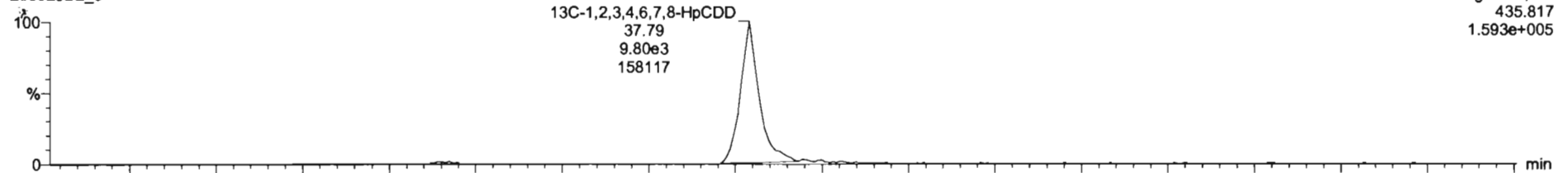


200623D2_9

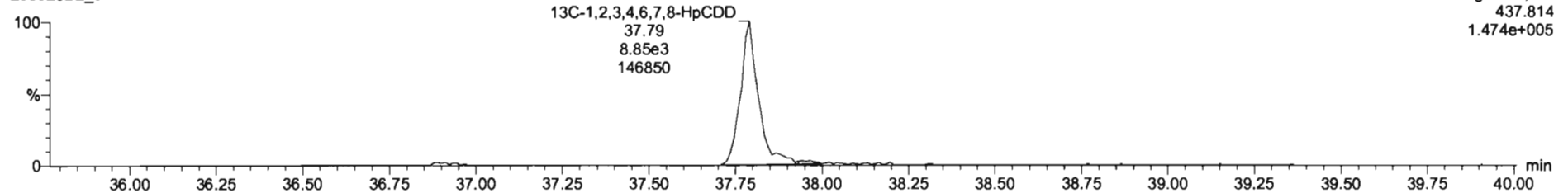


13C-1,2,3,4,6,7,8-HpCDD

200623D2_9



200623D2_9



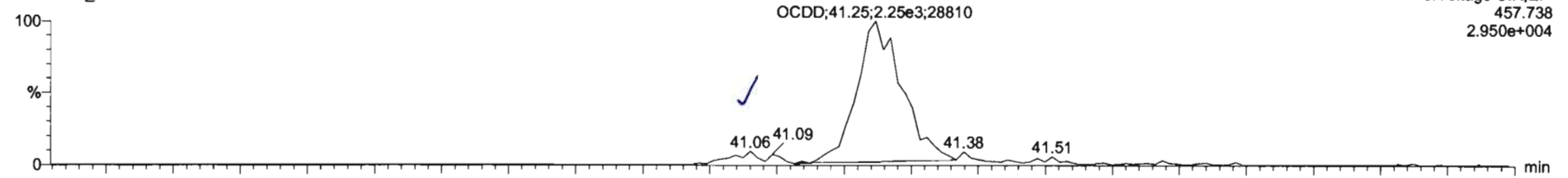
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_9.qld

Last Altered: Wednesday, June 24, 2020 10:43:48 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:23:58 Pacific Daylight Time

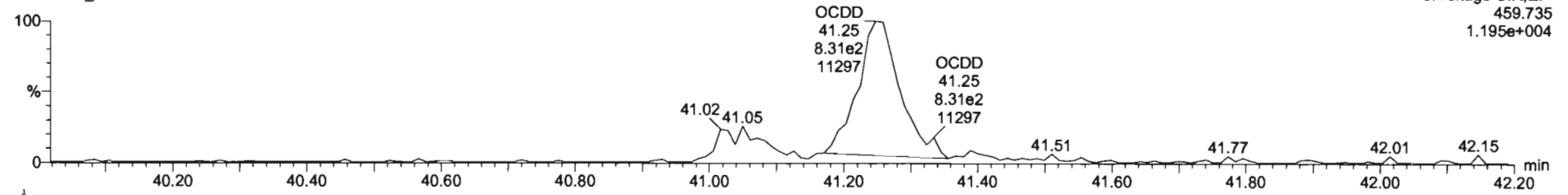
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OCDD

200623D2_9

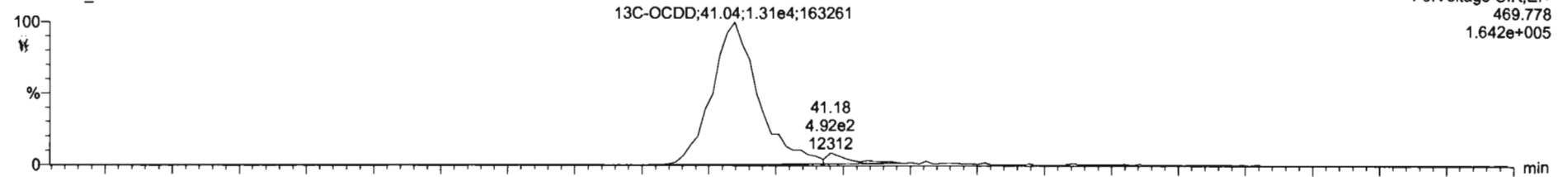


200623D2_9

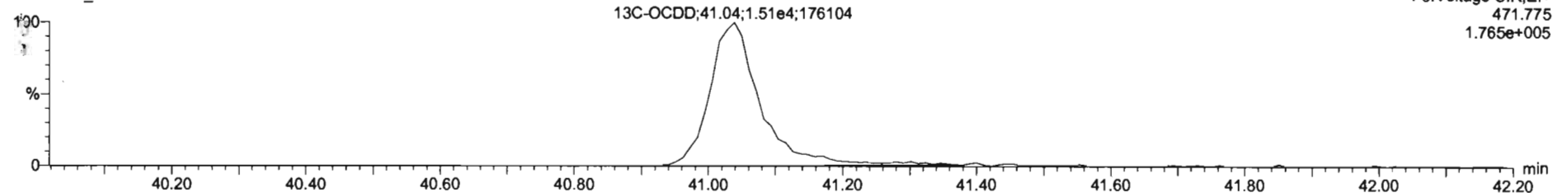


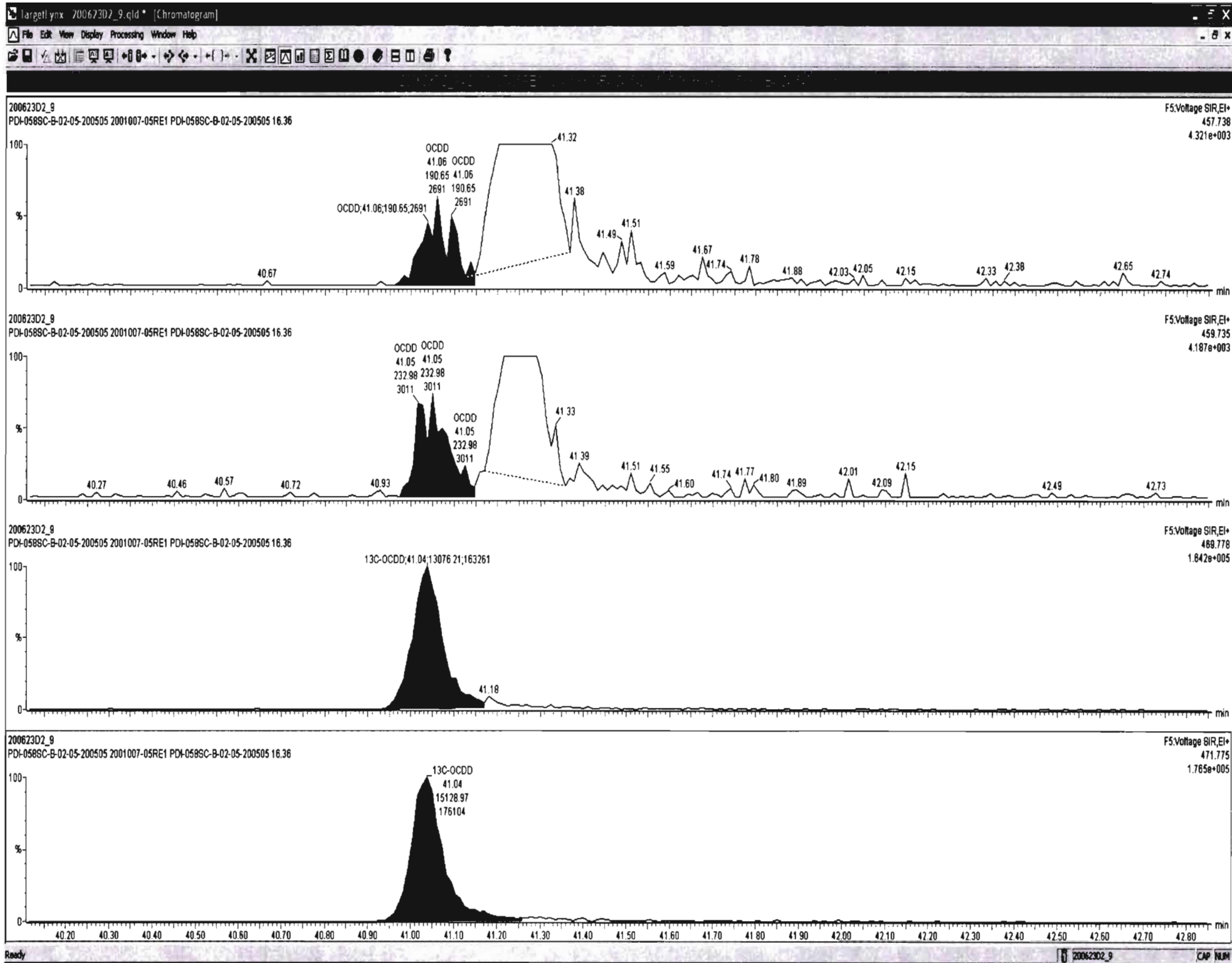
13C-OCDD

200623D2_9



200623D2_9





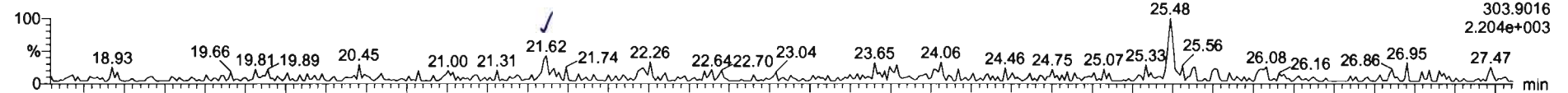
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Last Altered: Wednesday, June 24, 2020 10:43:48 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:23:58 Pacific Daylight Time

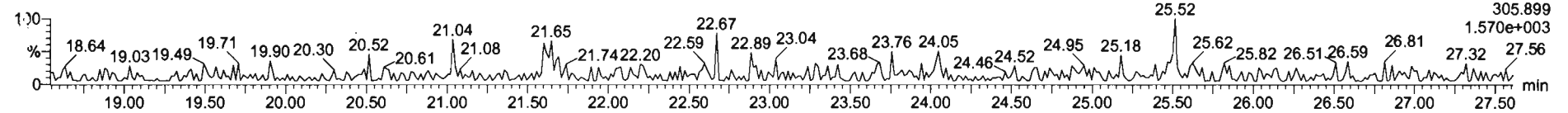
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2,3,7,8-TCDF

200623D2_9

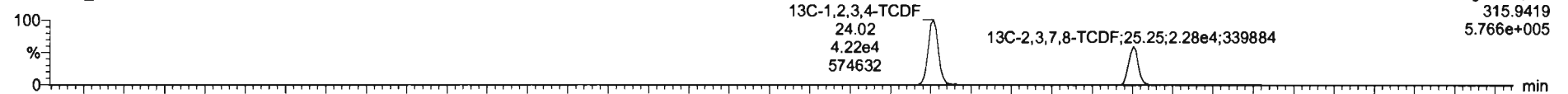


200623D2_9

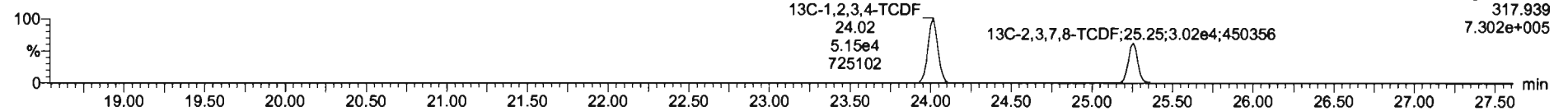


13C-2,3,7,8-TCDF

200623D2_9

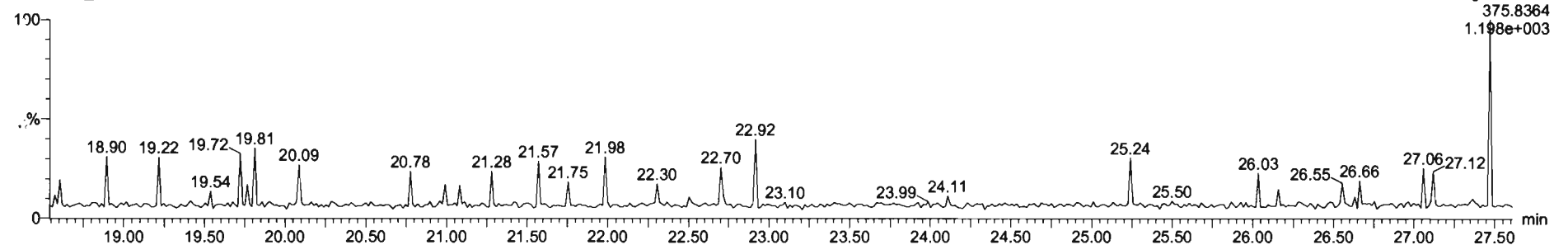


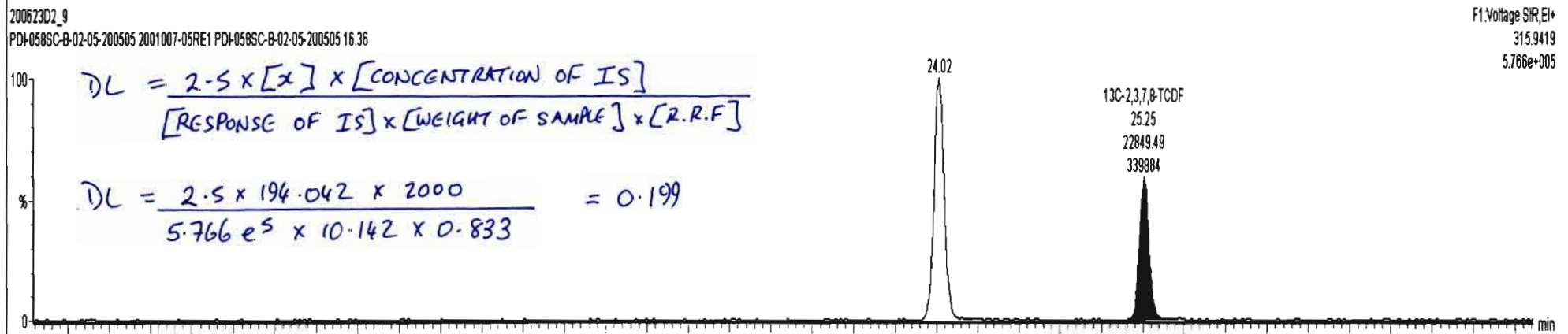
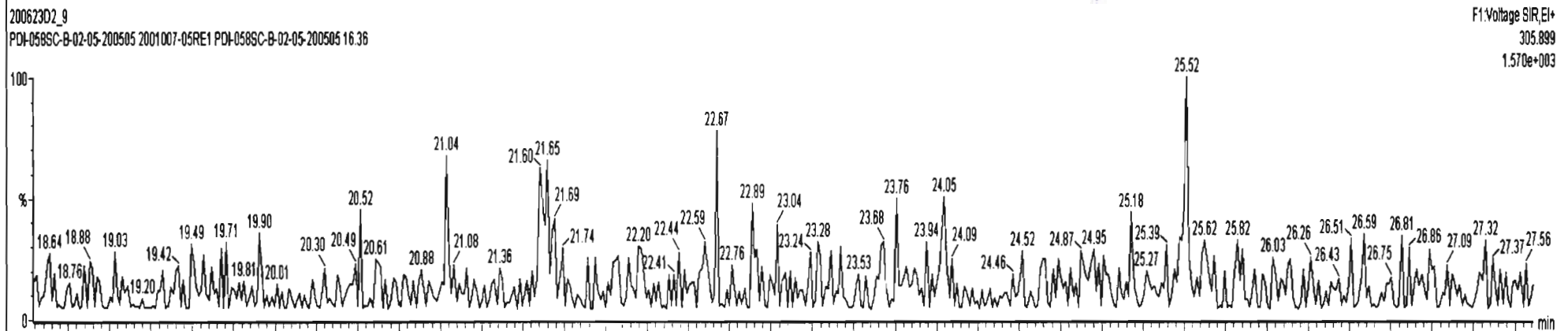
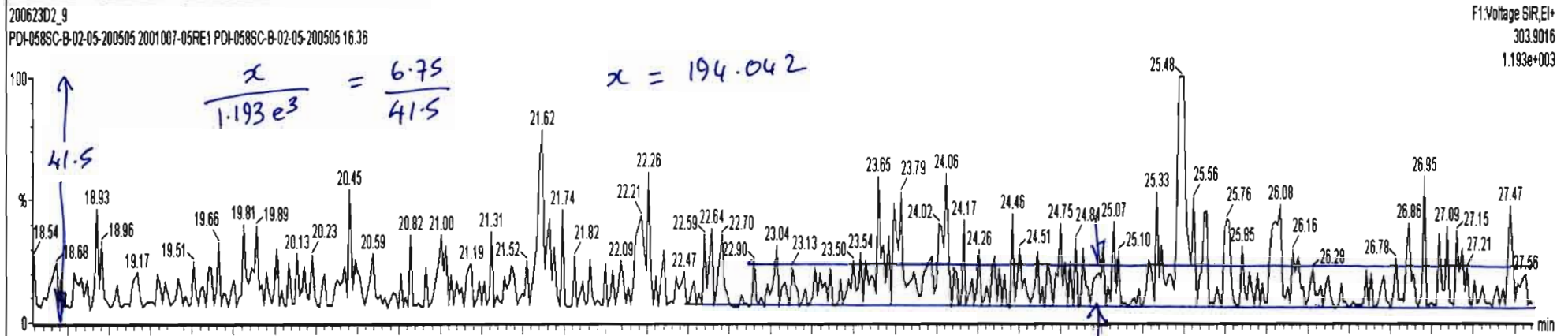
200623D2_9

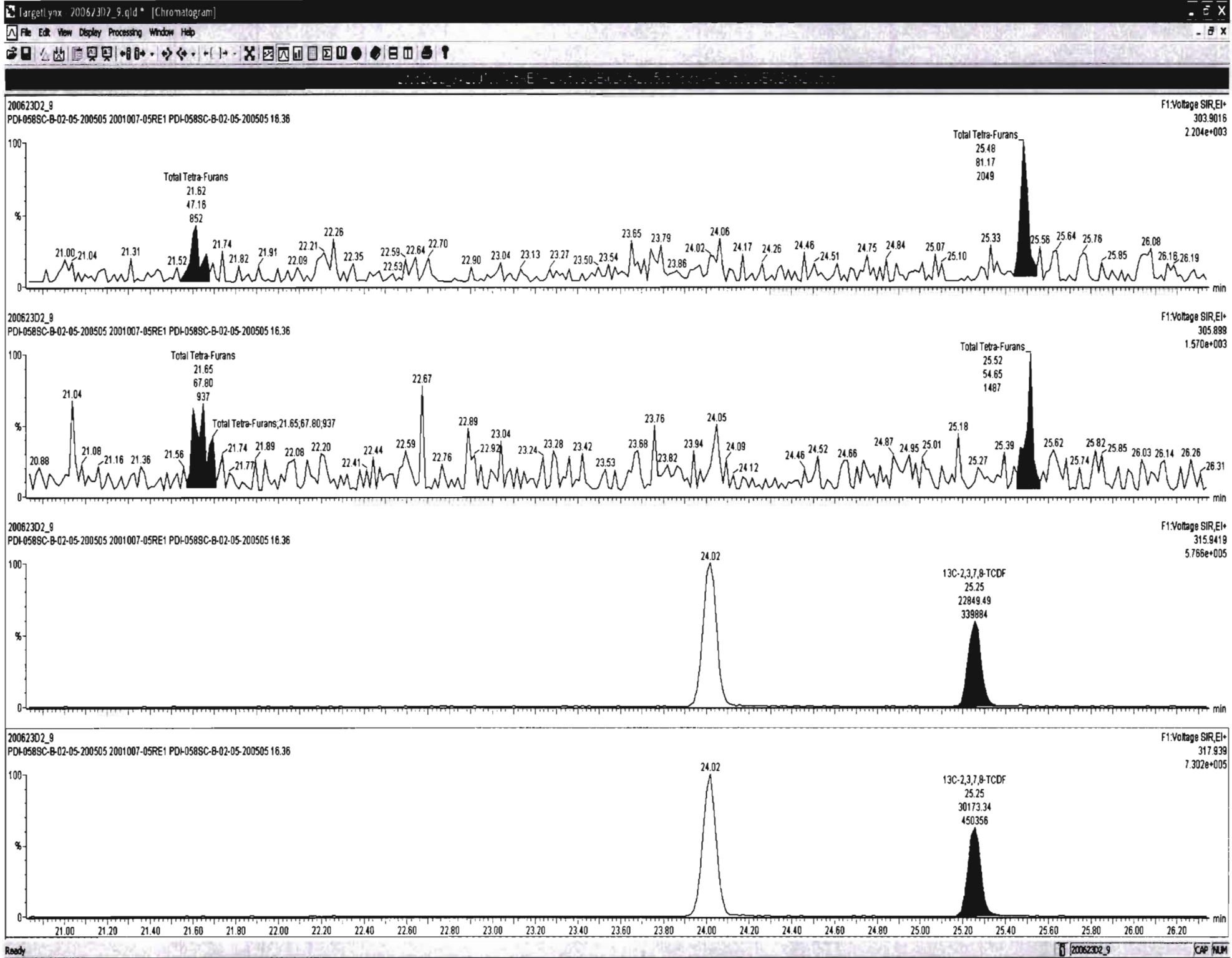


DPE1

200623D2_9







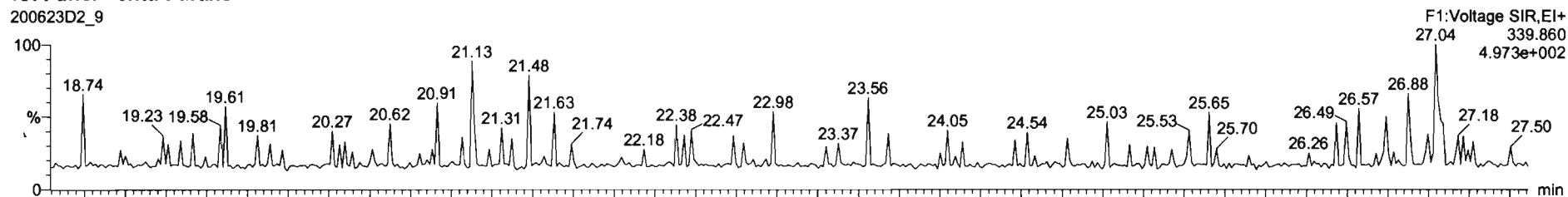
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_9.qld

Last Altered: Wednesday, June 24, 2020 10:43:48 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:23:58 Pacific Daylight Time

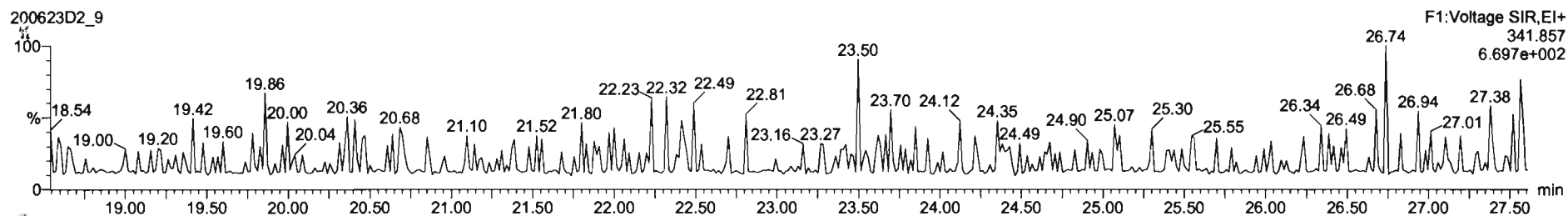
Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

1st Func. Penta-Furans

200623D2_9

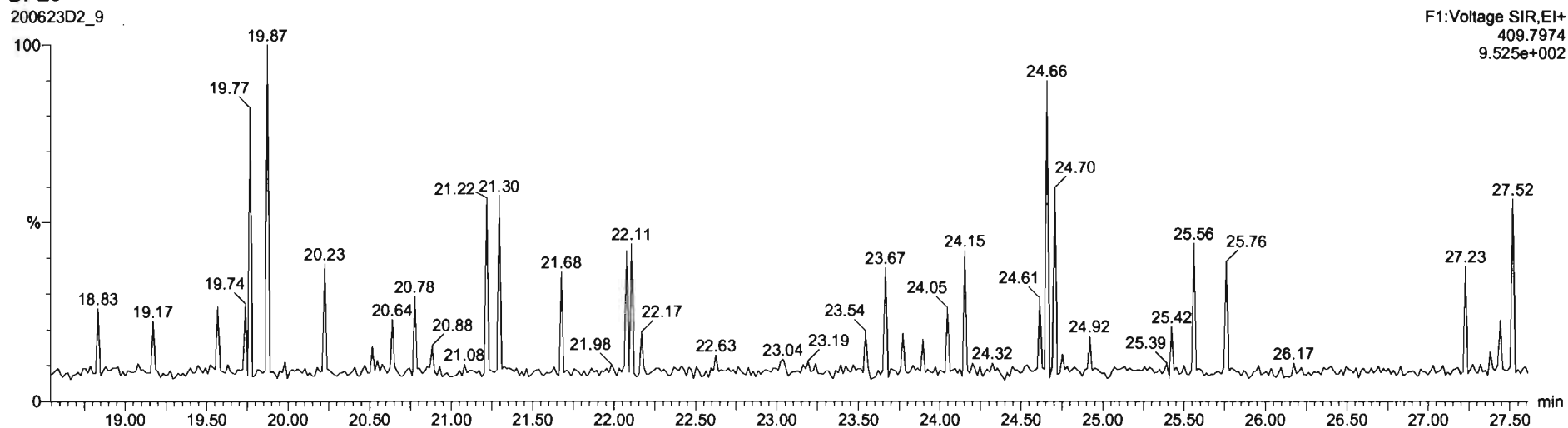


200623D2_9



DPE6

200623D2_9



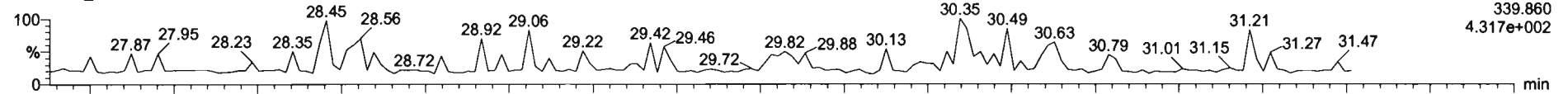
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Last Altered: Wednesday, June 24, 2020 10:43:48 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:23:58 Pacific Daylight Time

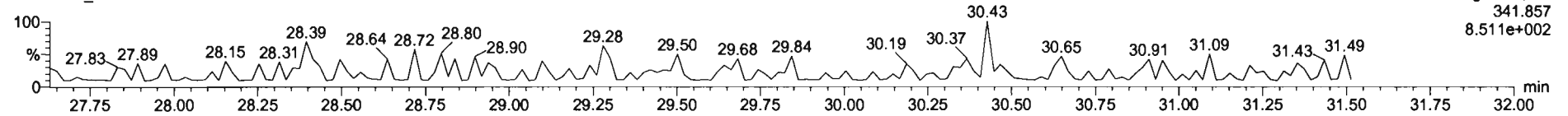
Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

1,2,3,7,8-PeCDF

200623D2_9

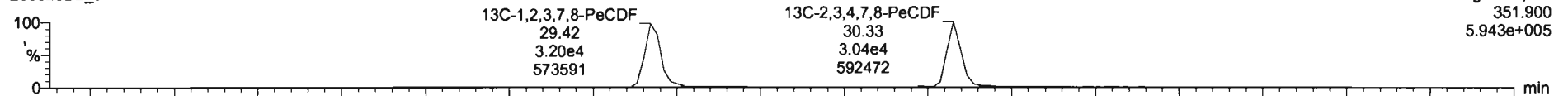


200623D2_9

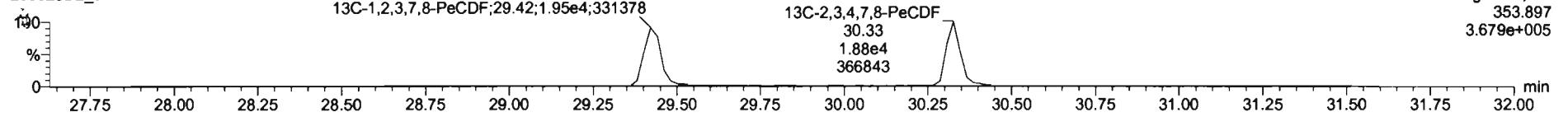


13C-1,2,3,7,8-PeCDF

200623D2_9

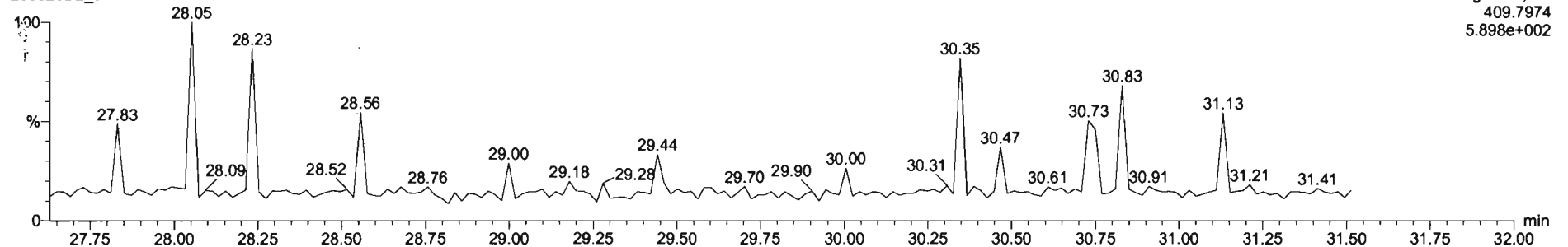


200623D2_9



DPE2

200623D2_9

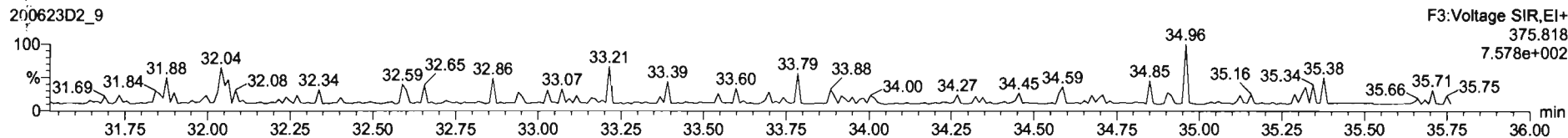
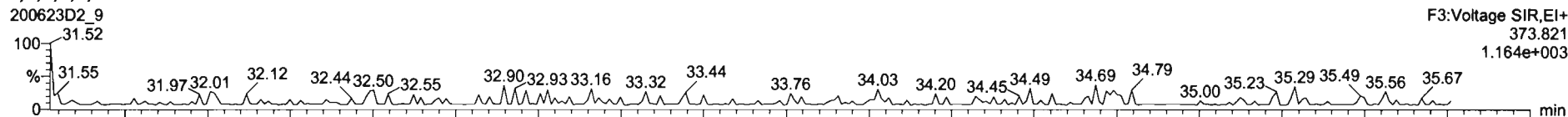


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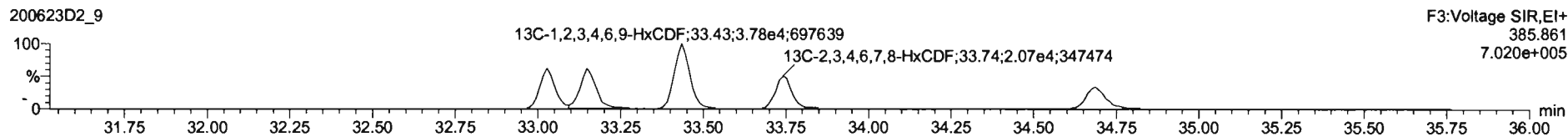
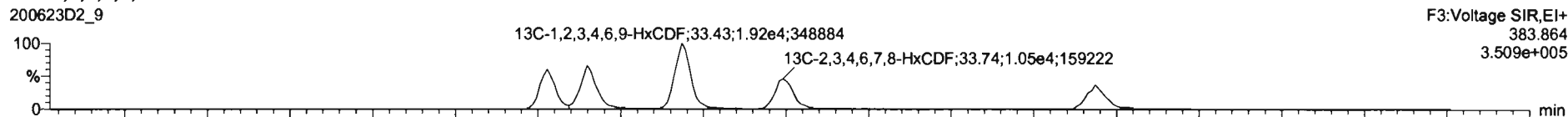
Last Altered: Wednesday, June 24, 2020 10:43:48 Pacific Daylight Time
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Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505

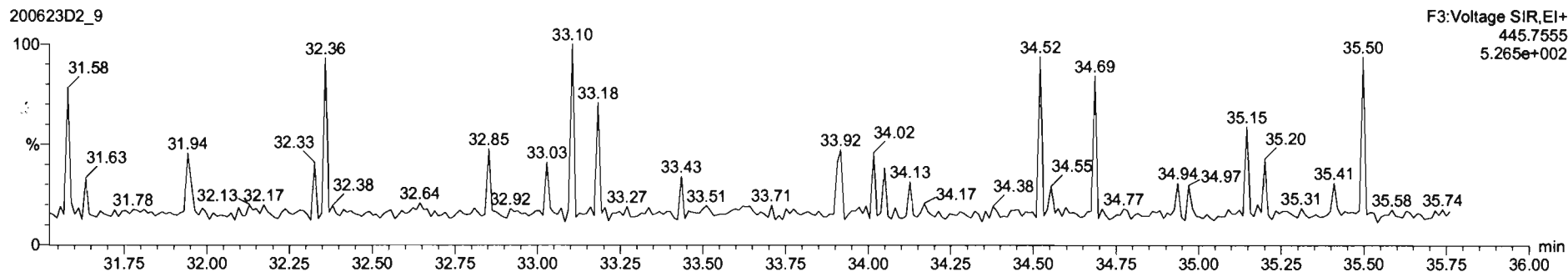
1,2,3,4,7,8-HxCDF



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



DPE3

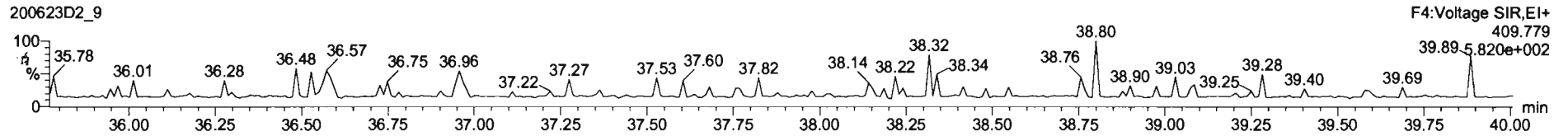
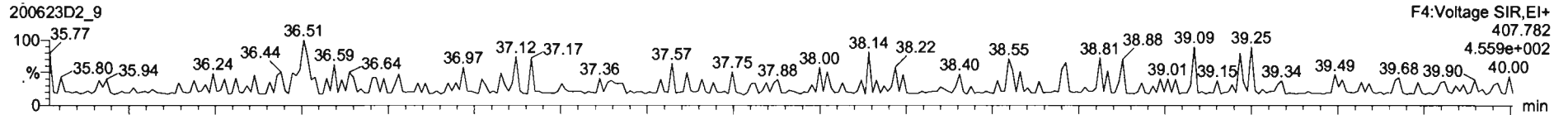


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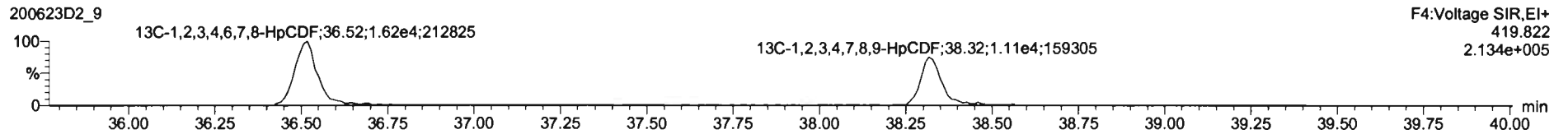
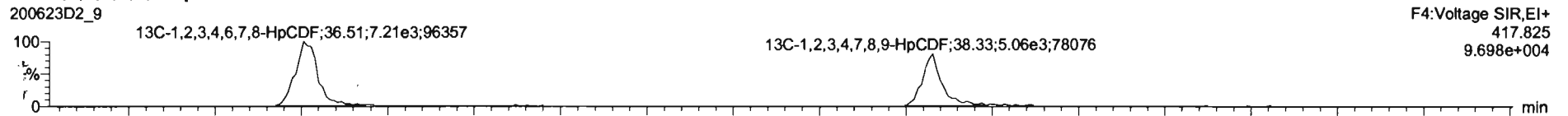
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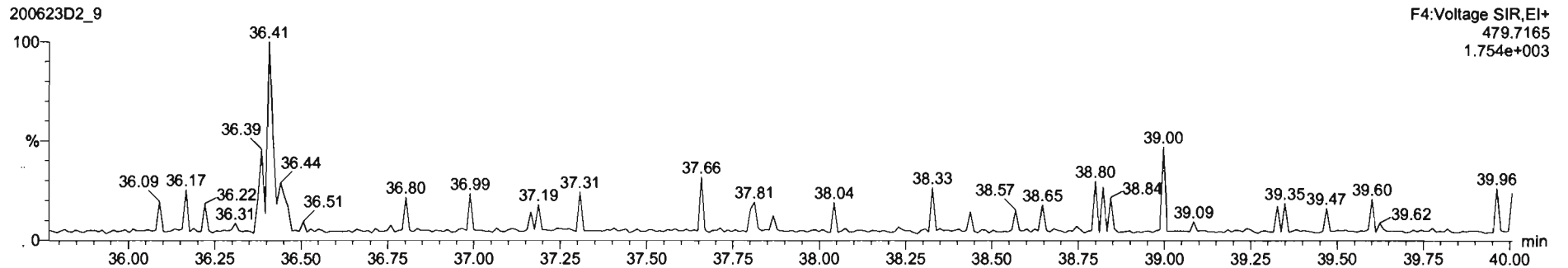
1,2,3,4,6,7,8-HpCDF



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



DPE4



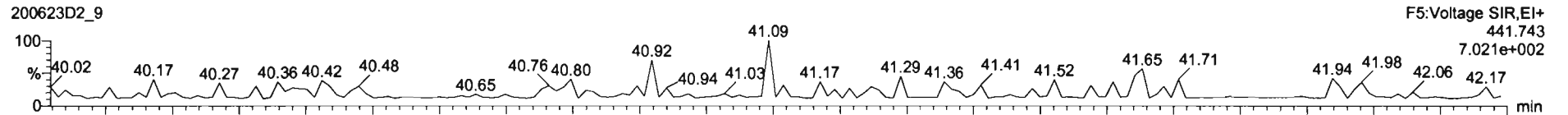
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Printed: Wednesday, June 24, 2020 14:23:58 Pacific Daylight Time

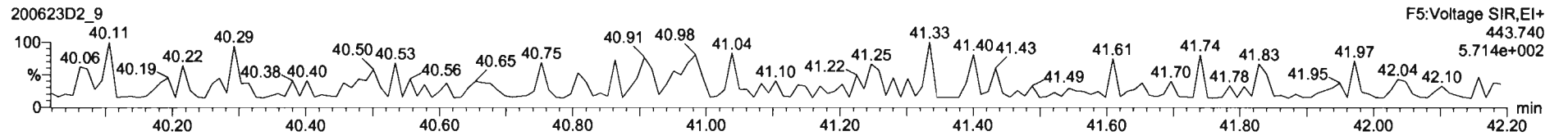
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OCDF

200623D2_9

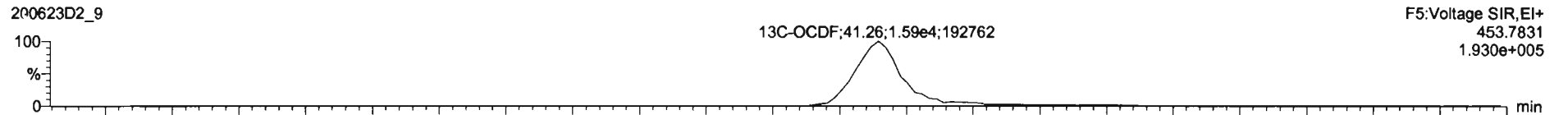


200623D2_9

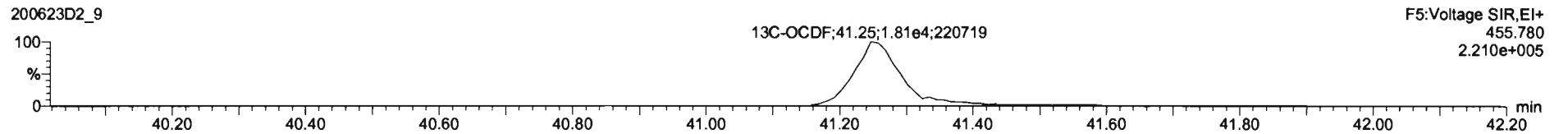


13C-OCDF

200623D2_9

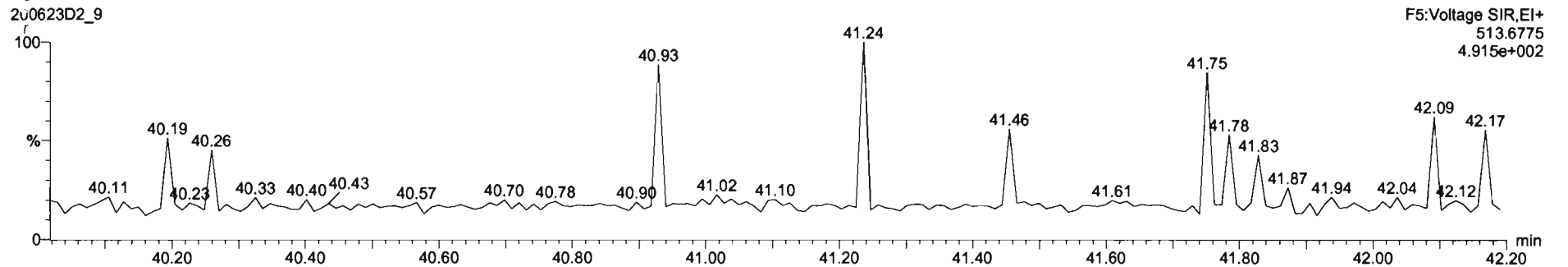


200623D2_9



DPE5

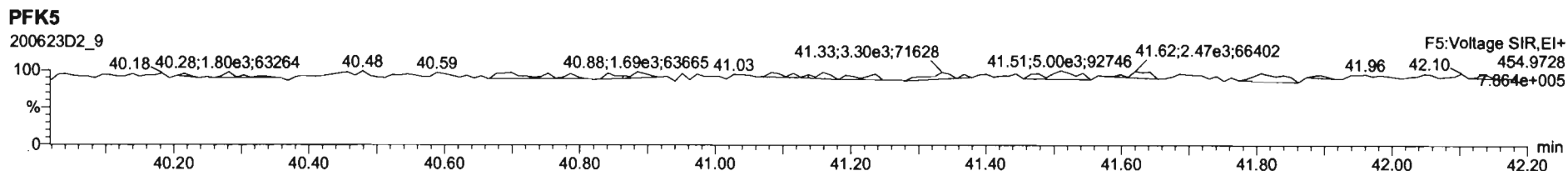
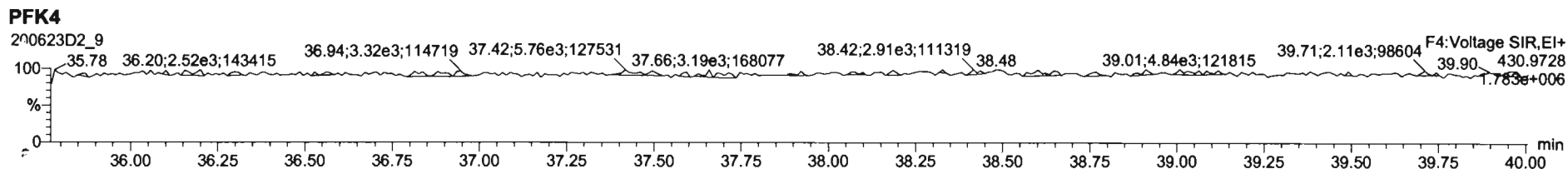
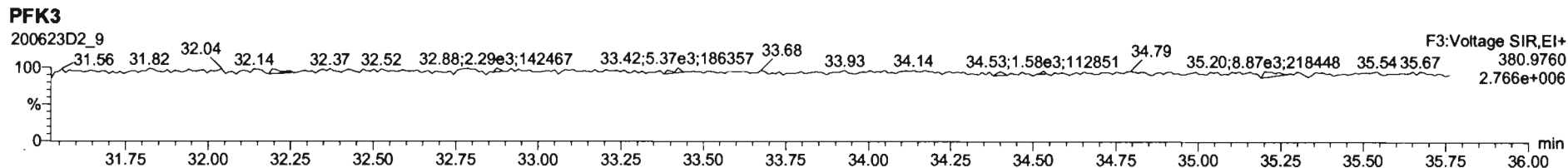
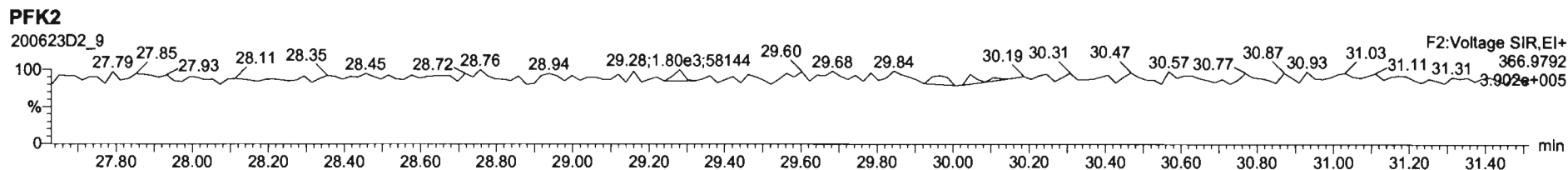
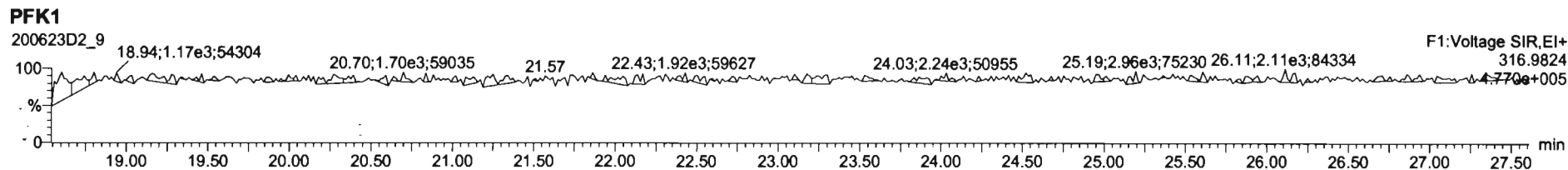
200623D2_9



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_9.qld

Last Altered: Wednesday, June 24, 2020 10:43:48 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:23:58 Pacific Daylight Time

Name: 200623D2_9, Date: 24-Jun-2020, Time: 03:26:41, ID: 2001007-05RE1 PDI-058SC-B-02-05-200505 16.36, Description: PDI-058SC-B-02-05-200505



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_10.qld

Last Altered: Wednesday, June 24, 2020 14:51:44 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:52:37 Pacific Daylight Time

DB 6/24/20 C7 06/25/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

#	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	0.986	10.127	26.097		1.001				<i>1.25</i> 0.435	
2	2 1,2,3,7,8-PeCDD			NO	0.964	10.127	30.629		1.001				0.797	
3	3 1,2,3,4,7,8-HxCDD			NO	1.16	10.127	33.927		1.000				1.18	
4	4 1,2,3,6,7,8-HxCDD			NO	1.01	10.127	34.027		1.000				1.09	
5	5 1,2,3,7,8,9-HxCDD			NO	1.01	10.127	34.357		1.001				1.09	
6	6 1,2,3,4,6,7,8-HpCDD	2.64e2	0.86	YES	0.997	10.127	37.801	37.80	1.000	1.000	<i>2.3125</i>		<i>1.20</i>	2.10
7	7 OCDD	1.09e3	0.81	NO	1.01	10.127	41.038	41.06	1.000	1.001	12.064		1.48	12.1
8	8 2,3,7,8-TCDF			NO	0.833	10.127	25.280		1.001				1.26	
9	9 1,2,3,7,8-PeCDF			NO	0.965	10.127	29.462		1.001				<i>0.577</i> 0.168	
10	10 2,3,4,7,8-PeCDF			NO	1.01	10.127	30.356		1.001				0.523	
11	11 1,2,3,4,7,8-HxCDF			NO	1.09	10.127	33.039		1.000				0.342	
12	12 1,2,3,6,7,8-HxCDF			NO	1.07	10.127	33.170		1.000				0.314	
13	13 2,3,4,6,7,8-HxCDF			NO	1.15	10.127	33.775		1.001				0.301	
14	14 1,2,3,7,8,9-HxCDF			NO	1.11	10.127	34.696		1.000				0.484	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.16	10.127	36.555		1.001				0.370	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.35	10.127	38.328		1.000				0.422	
17	17 OCDF			NO	0.949	10.127	41.269		1.000				0.642	
18	18 13C-2,3,7,8-TCDD	1.83e4	0.78	NO	1.26	10.127	26.148	26.07	1.026	1.023	58.043	29.4	2.56	
19	19 13C-1,2,3,7,8-PeCDD	2.05e4	0.71	NO	0.921	10.127	30.633	30.61	1.202	1.201	88.730	44.9	0.779	
20	20 13C-1,2,3,4,7,8-HxCDD	2.03e4	1.29	NO	0.707	10.127	33.913	33.92	1.014	1.014	105.56	53.5	1.78	
21	21 13C-1,2,3,6,7,8-HxCDD	2.68e4	1.26	NO	0.829	10.127	34.024	34.03	1.017	1.017	118.66	60.1	1.52	
22	22 13C-1,2,3,7,8,9-HxCDD	2.82e4	1.34	NO	0.808	10.127	34.295	34.32	1.025	1.026	128.06	64.8	1.56	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.26e4	1.13	NO	0.662	10.127	37.759	37.79	1.129	1.130	125.35	63.5	1.60	
24	24 13C-OCDD	3.52e4	0.91	NO	0.608	10.127	40.783	41.04	1.219	1.227	212.34	53.8	1.76	
25	25 13C-2,3,7,8-TCDF	2.45e4	0.79	NO	1.07	10.127	25.230	25.25	0.990	0.991	51.524	26.1	1.48	
26	26 13C-1,2,3,7,8-PeCDF	3.13e4	1.78	NO	0.826	10.127	29.453	29.44	1.156	1.155	84.861	43.0	1.35	
27	27 13C-2,3,4,7,8-PeCDF	2.78e4	1.63	NO	0.796	10.127	30.353	30.33	1.191	1.190	78.210	39.6	1.40	
28	28 13C-1,2,3,4,7,8-HxCDF	2.91e4	0.47	NO	1.08	10.127	33.044	33.04	0.988	0.988	99.233	50.2	1.54	
29	29 13C-1,2,3,6,7,8-HxCDF	3.46e4	0.50	NO	1.12	10.127	33.177	33.16	0.992	0.991	113.06	57.2	1.47	
30	30 13C-2,3,4,6,7,8-HxCDF	3.33e4	0.53	NO	1.02	10.127	33.749	33.74	1.009	1.009	119.19	60.4	1.62	
31	31 13C-1,2,3,7,8,9-HxCDF	2.64e4	0.53	NO	0.887	10.127	34.649	34.70	1.036	1.037	109.37	55.4	1.87	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_10.qld

Last Altered: Wednesday, June 24, 2020 14:51:44 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:52:37 Pacific Daylight Time

Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.79e4	0.43	NO	0.811	10.127	36.355	36.52	1.087	1.092	126.24	63.9	1.55	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.92e4	0.45	NO	0.598	10.127	38.361	38.33	1.147	1.146	117.54	59.5	2.11	
34	34 13C-OCDF	4.20e4	0.88	NO	0.752	10.127	40.937	41.27	1.224	1.234	205.23	52.0	1.30	
35	35 37Cl-2,3,7,8-TCDD	7.11e3			1.24	10.127	26.145	26.07	1.026	1.023	22.798	28.9	0.259	
36	36 13C-1,2,3,4-TCDD	4.95e4	0.80	NO	1.00	10.127	25.480	25.49	1.000	1.000	197.49	100	3.22	
37	37 13C-1,2,3,4-TCDF	8.81e4	0.78	NO	1.00	10.127	24.020	24.03	1.000	1.000	197.49	100	1.58	
38	38 13C-1,2,3,4,6,9-HxCDF	5.38e4	0.48	NO	1.00	10.127	33.530	33.44	1.000	1.000	197.49	100	1.66	
39	39 Total Tetra-Dioxins				0.986	10.127	24.620		0.000				0.794	
40	40 Total Penta-Dioxins				0.964	10.127	29.960		0.000				0.417	
41	41 Total Hexa-Dioxins				1.01	10.127	33.635		0.000		1.3041		0.511	1.30
42	42 Total Hepta-Dioxins				0.997	10.127	37.640		0.000		0.00000		0.592	4.70
43	43 Total Tetra-Furans				0.833	10.127	23.610		0.000		0.00000		0.540	0.854
44	44 1st Func. Penta-Furans				0.965	10.127	27.090		0.000				0.0990	
45	45 Total Penta-Furans				0.965	10.127	29.275		0.000				0.224	
46	46 Total Hexa-Furans				1.15	10.127	33.555		0.000				0.210	
47	47 Total Hepta-Furans				1.16	10.127	37.835		0.000				0.255	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_10.qld

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Printed: Wednesday, June 24, 2020 14:52:37 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_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.41	1.689e3	1.861e3	9.511e1	7.186e1	1.32	NO	1.670e2	1.3041	1.3041	0.511

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.91	2.224e3	2.243e3	1.513e2	1.767e2	0.86	YES	0.000e0	0.00000	2.6038	1.20
2	1,2,3,4,6,7,8-HpCDD	37.80	2.354e3	2.468e3	1.219e2	1.417e2	0.86	YES	2.636e2	0.00000	2.0977	1.20

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	25.50	2.866e3	9.520e2	9.293e1	4.991e1	1.86	YES	0.000e0	0.00000	0.85353	0.540

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\200623D2\200623D2_10.qld

Last Altered: Wednesday, June 24, 2020 14:51:44 Pacific Daylight Time

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Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

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\200623D2\200623D2_10.qld

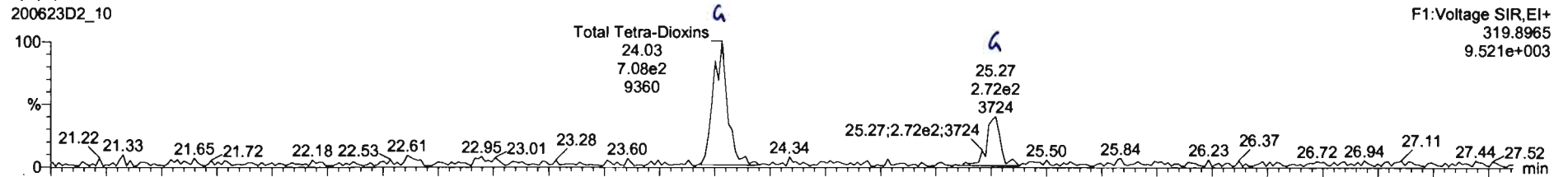
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

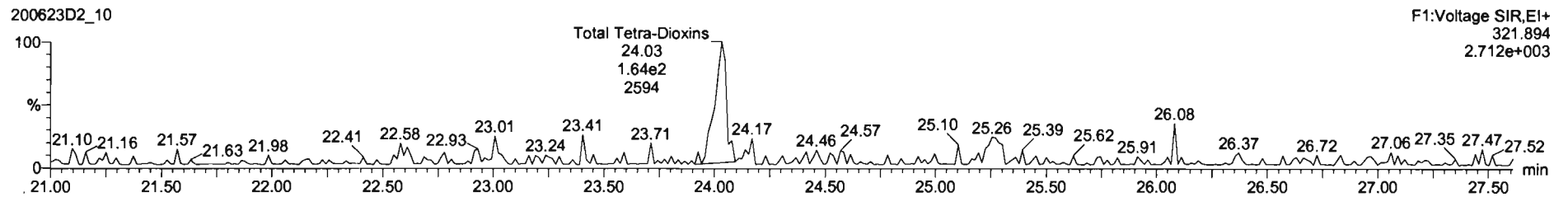
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2,3,7,8-TCDD

200623D2_10



200623D2_10

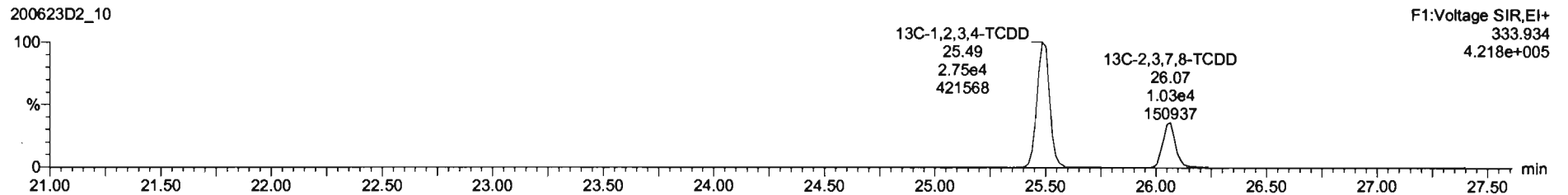


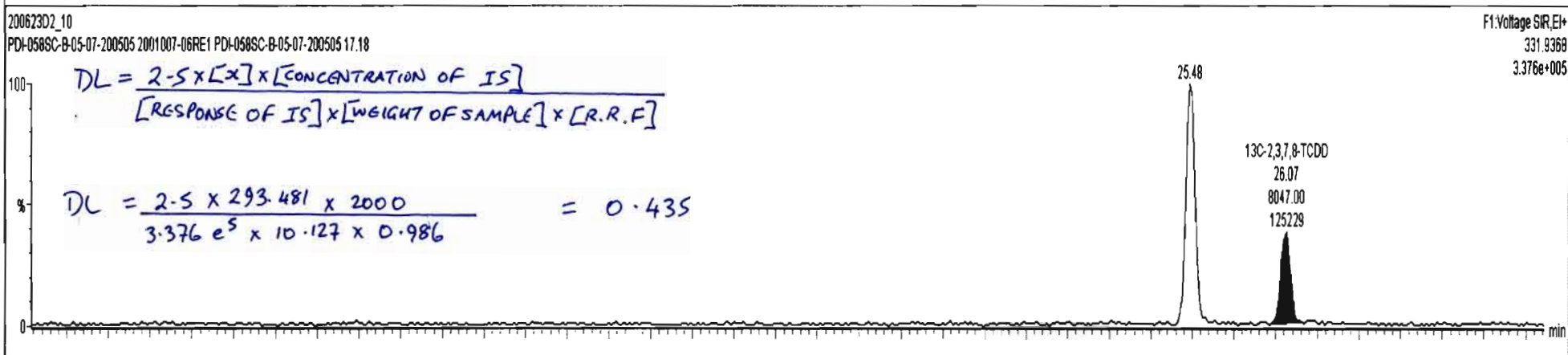
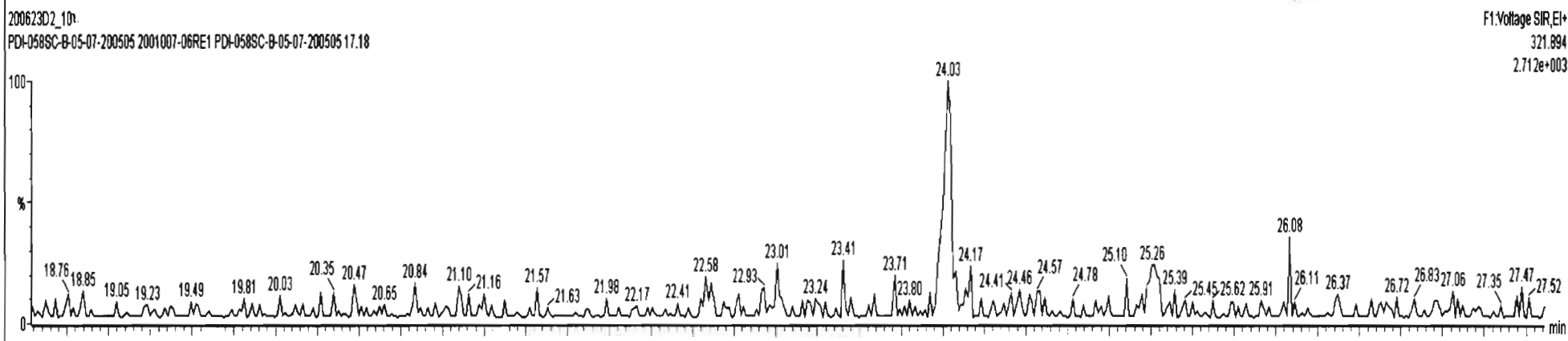
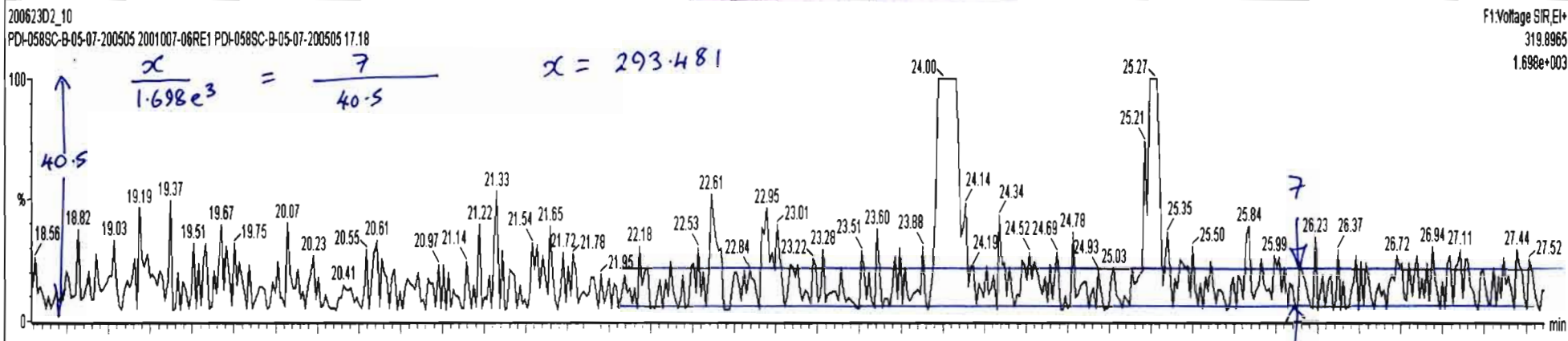
13C-2,3,7,8-TCDD

200623D2_10



200623D2_10





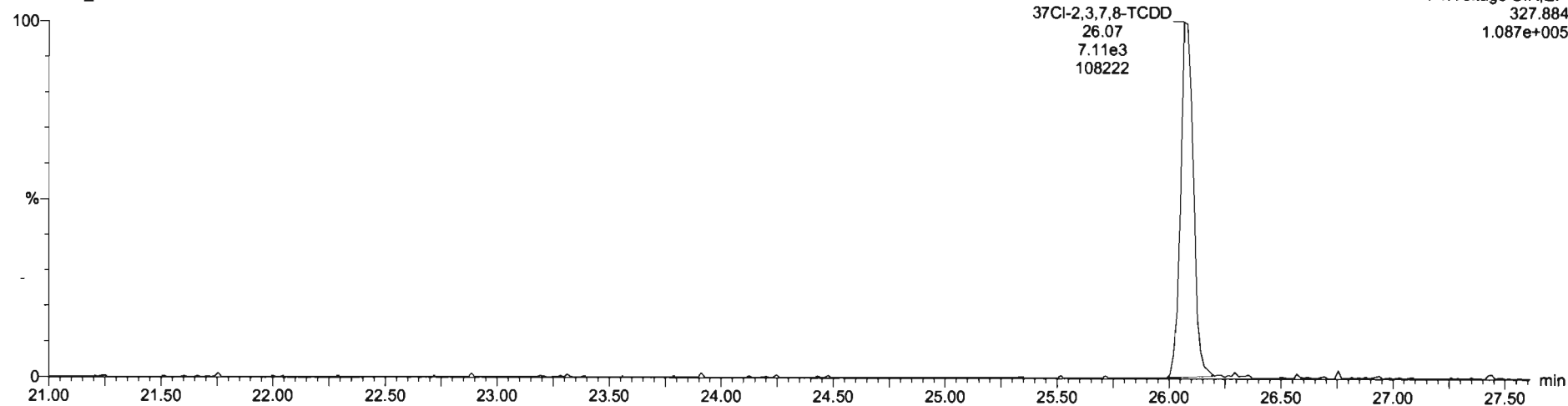
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Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

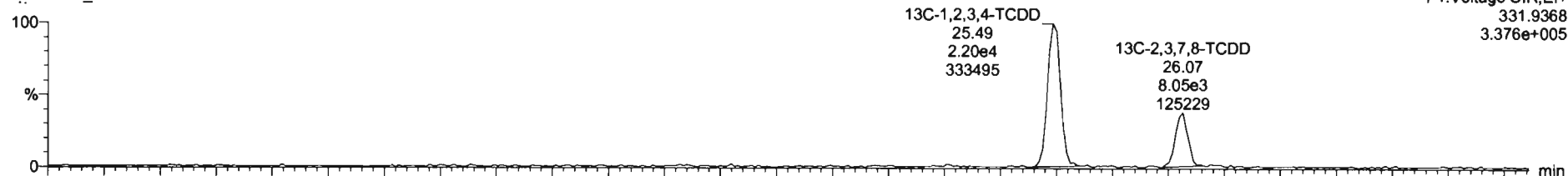
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200623D2_10

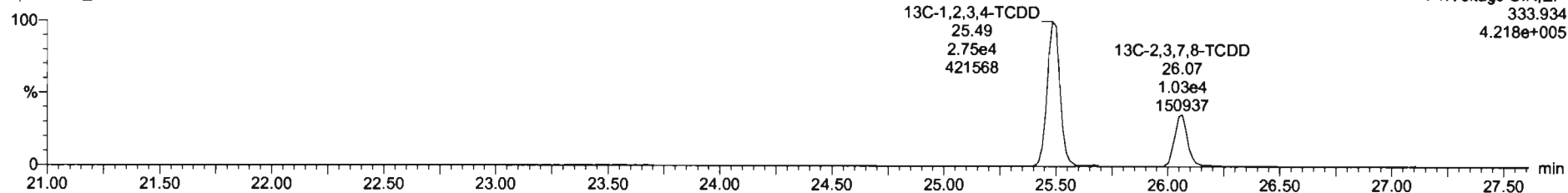


13C-1,2,3,4-TCDD

200623D2_10



200623D2_10



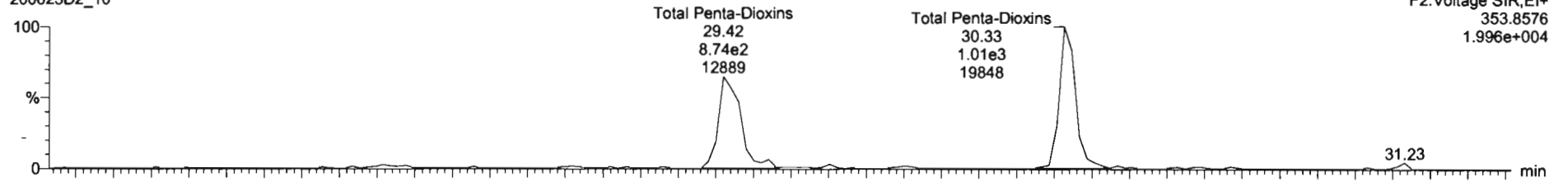
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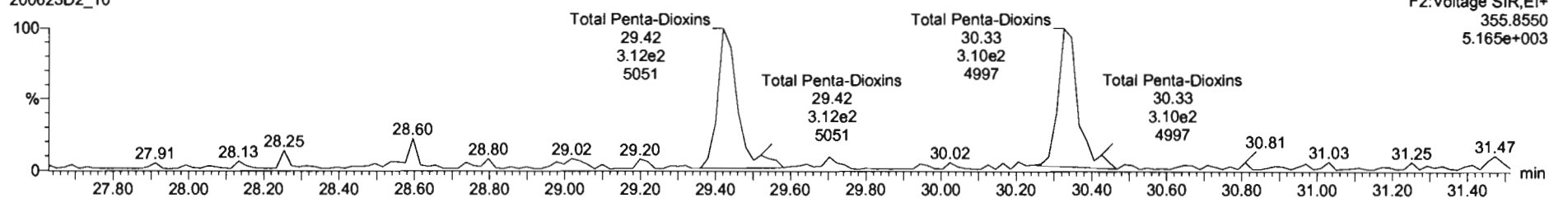
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1,2,3,7,8-PeCDD

200623D2_10

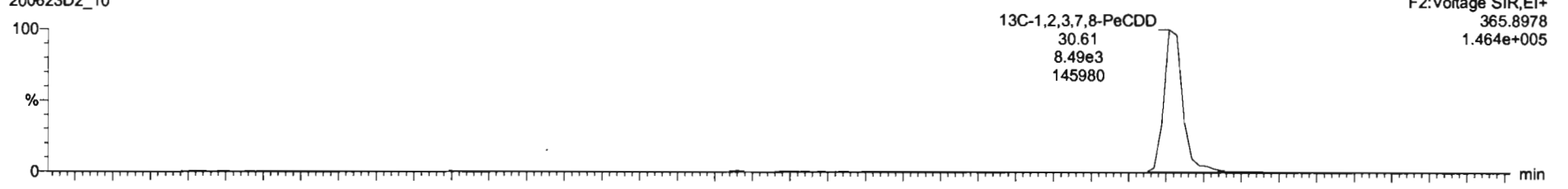


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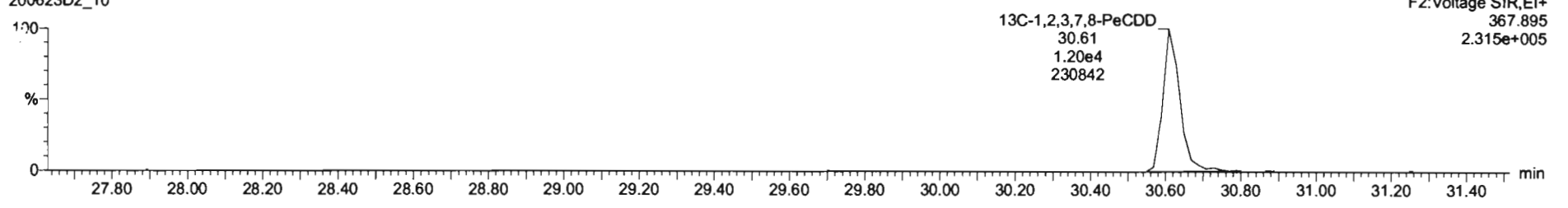


13C-1,2,3,7,8-PeCDD

200623D2_10



200623D2_10



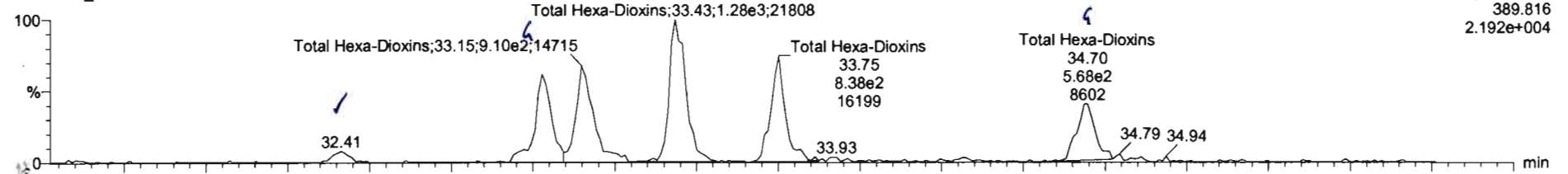
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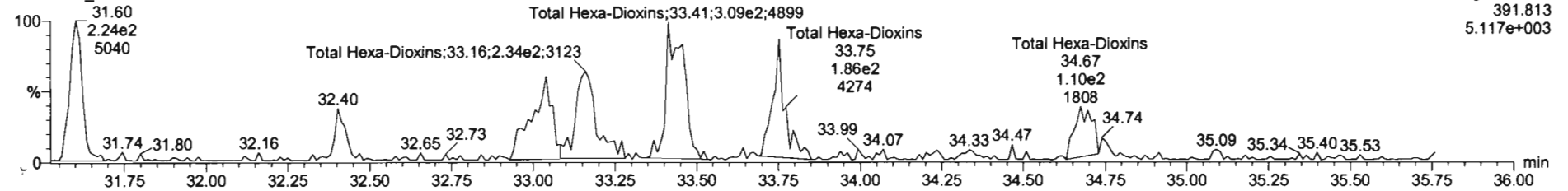
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1,2,3,4,7,8-HxCDD

200623D2_10

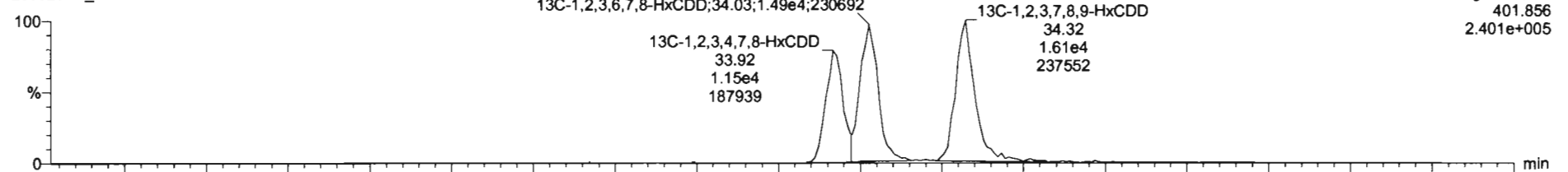


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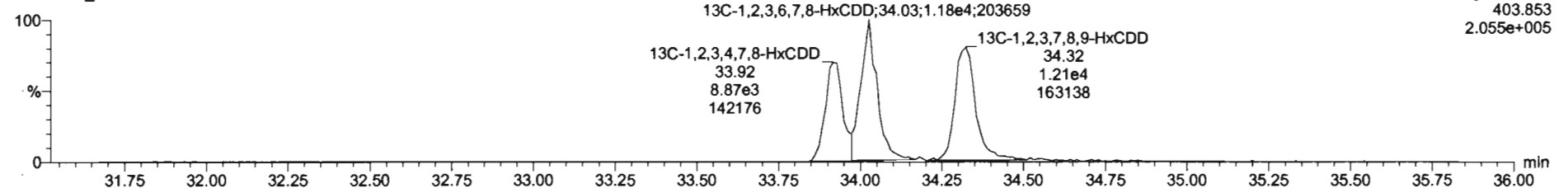


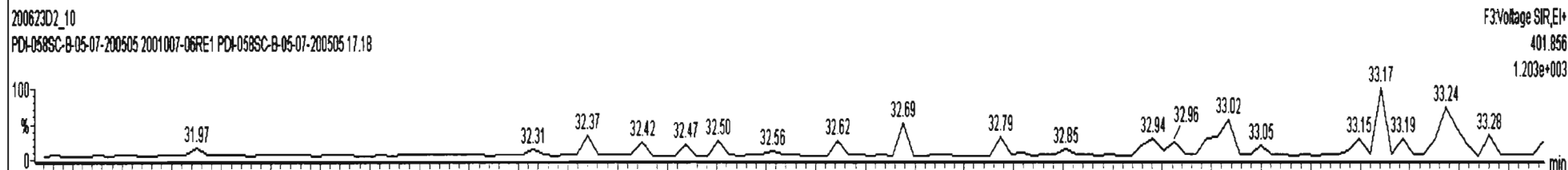
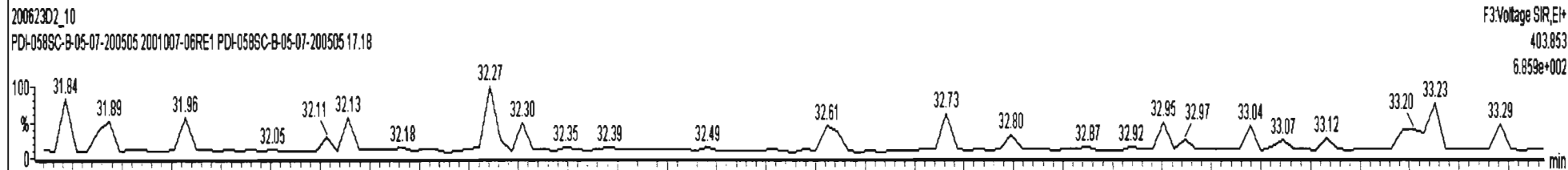
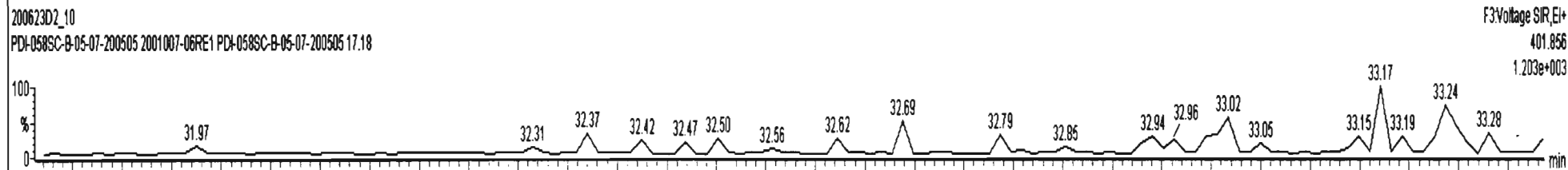
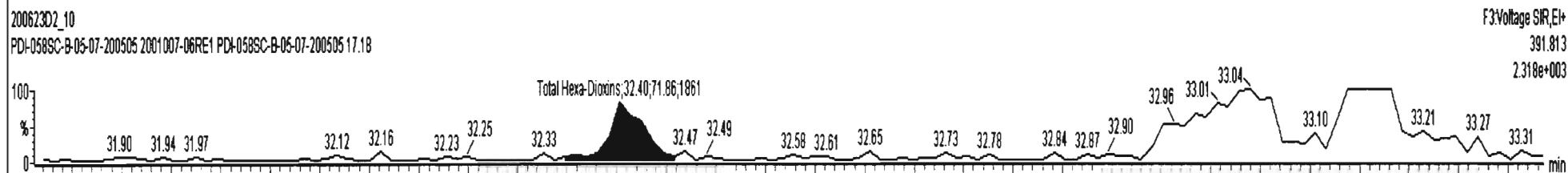
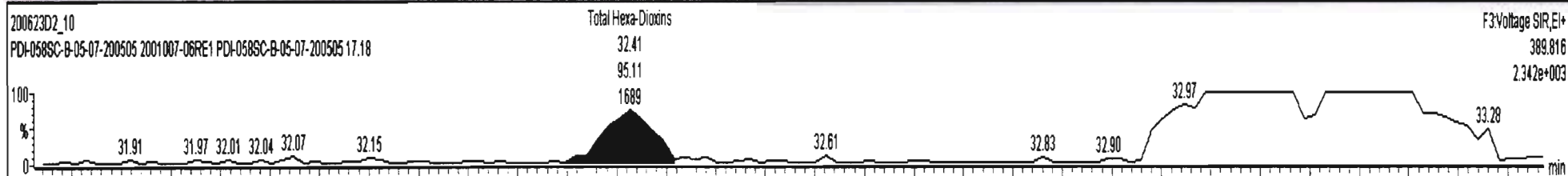
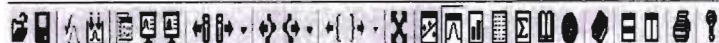
13C-1,2,3,4,7,8-HxCDD

200623D2_10



200623D2_10





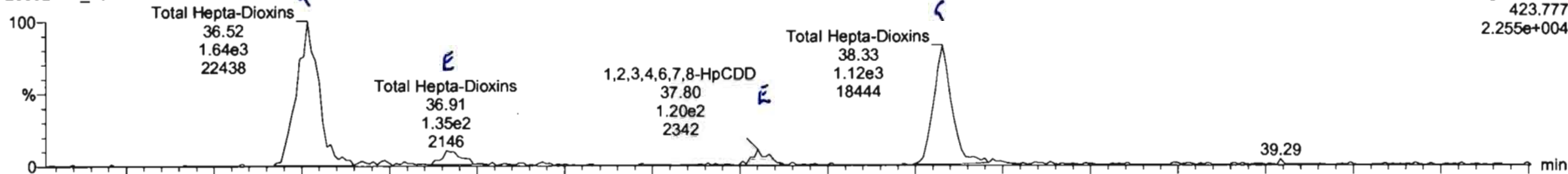
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Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

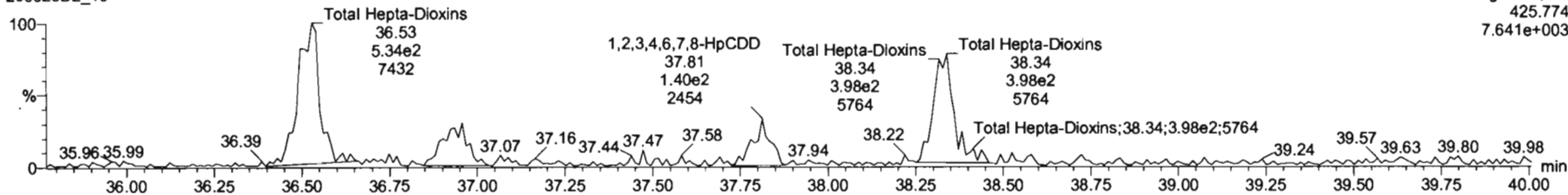
1,2,3,4,6,7,8-HpCDD

200623D2_10



F4:Voltage SIR,EI+
423.777
2.255e+004

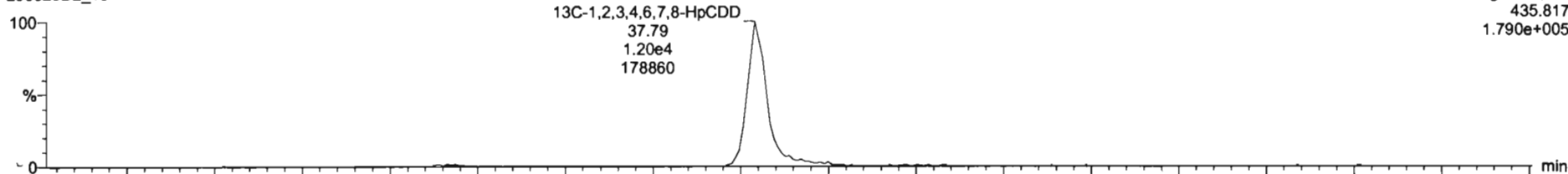
200623D2_10



F4:Voltage SIR,EI+
425.774
7.641e+003

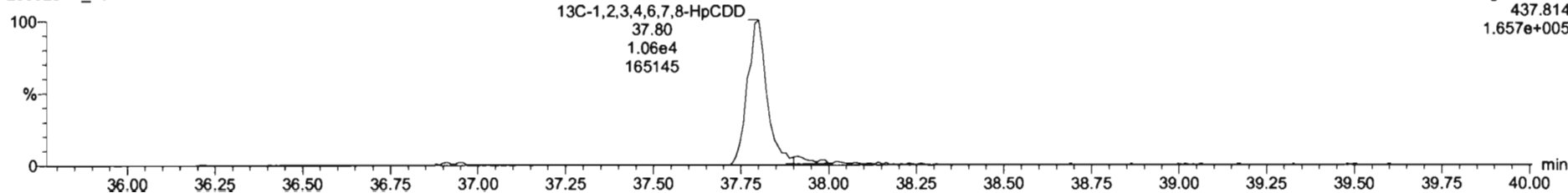
13C-1,2,3,4,6,7,8-HpCDD

200623D2_10

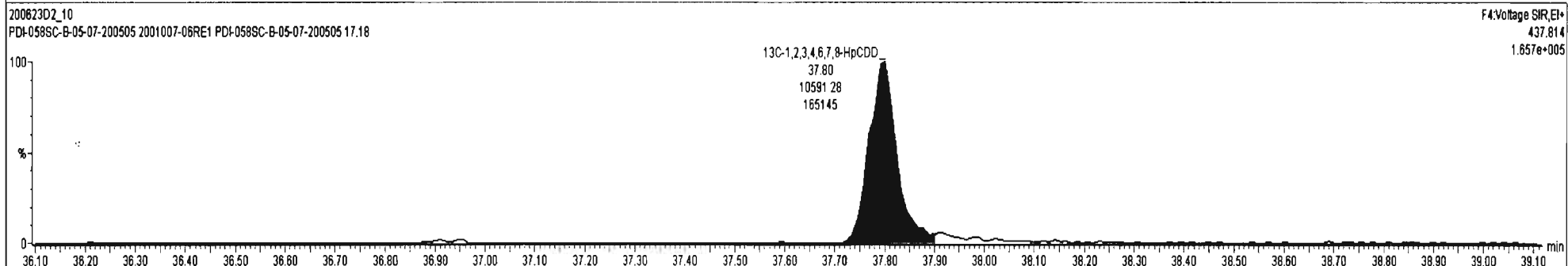
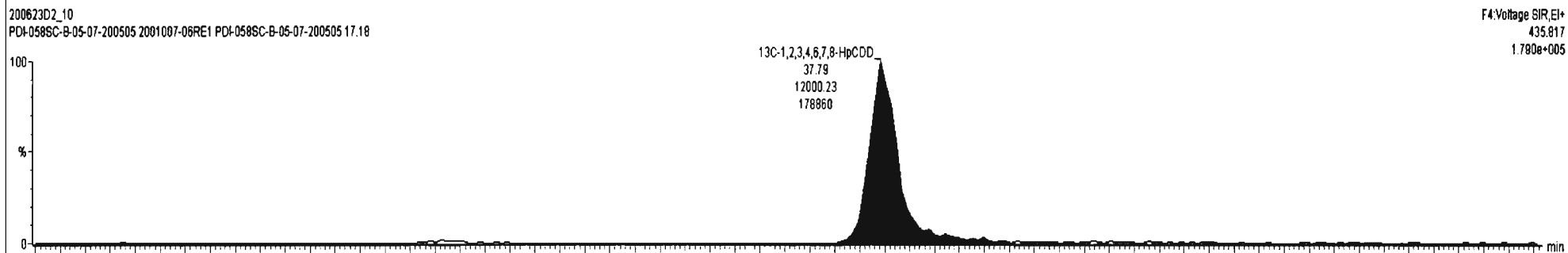
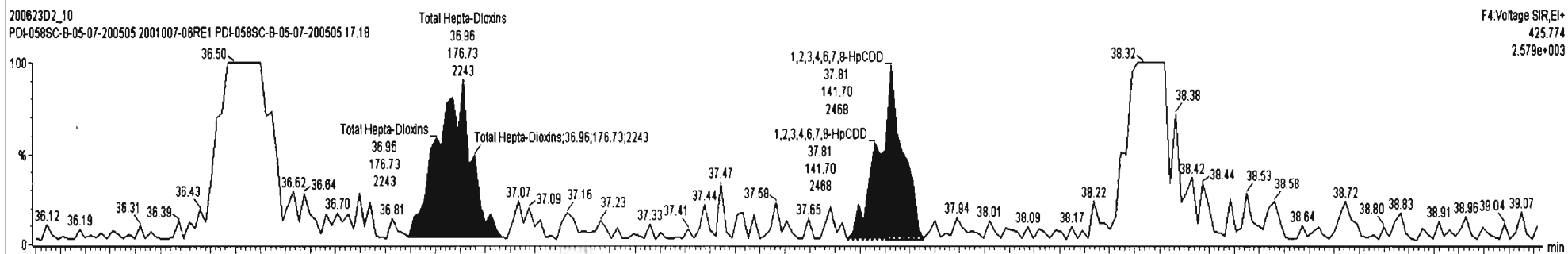
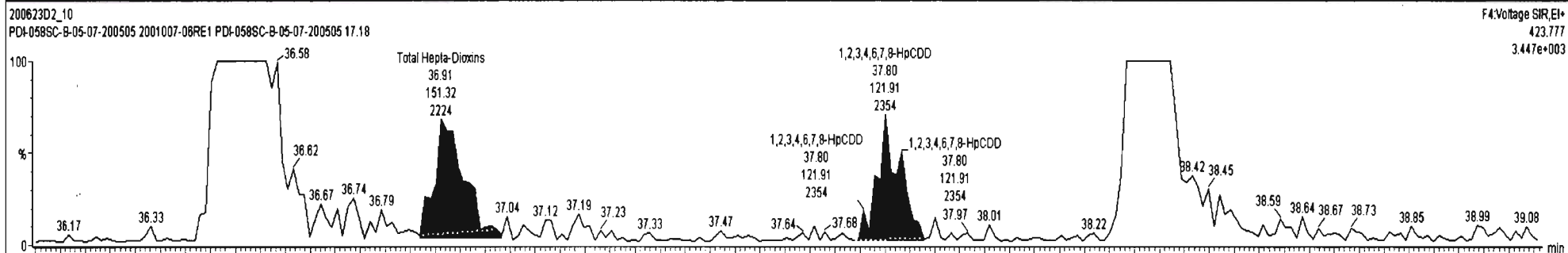


F4:Voltage SIR,EI+
435.817
1.790e+005

200623D2_10



F4:Voltage SIR,EI+
437.814
1.657e+005



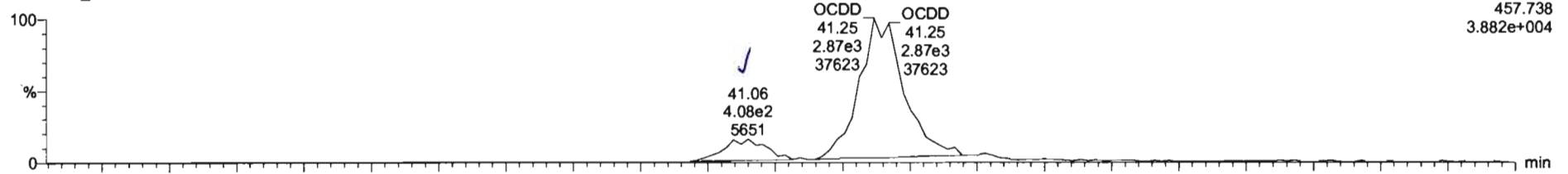
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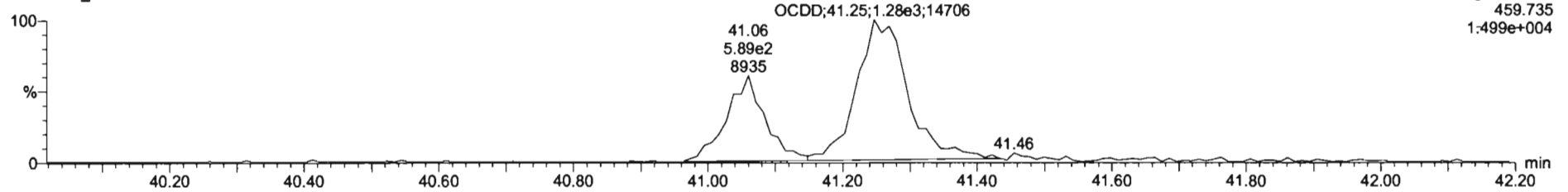
Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

OCDD

200623D2_10

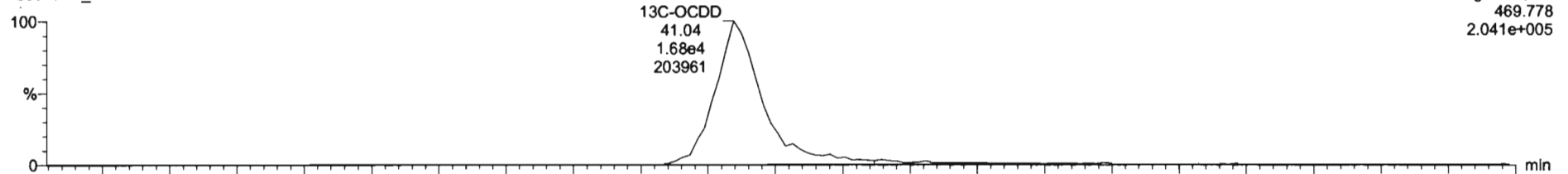


200623D2_10

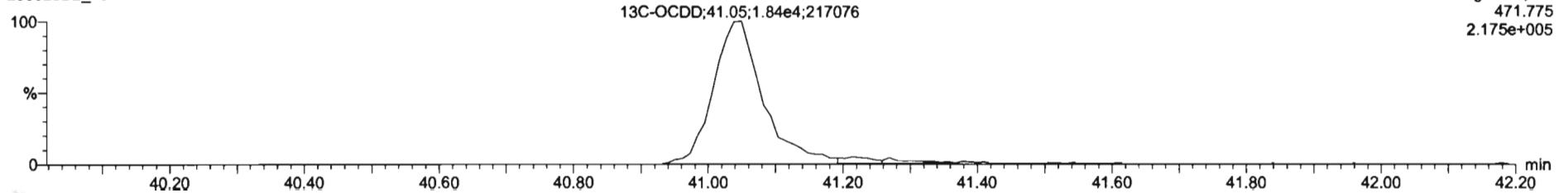


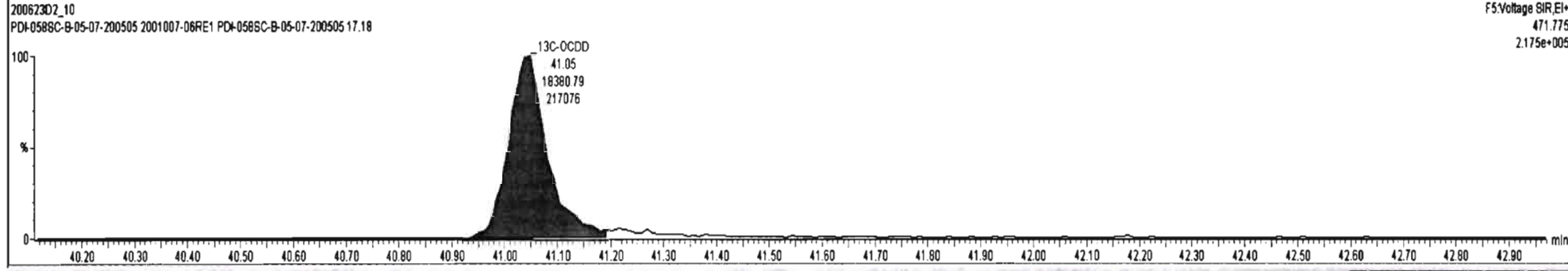
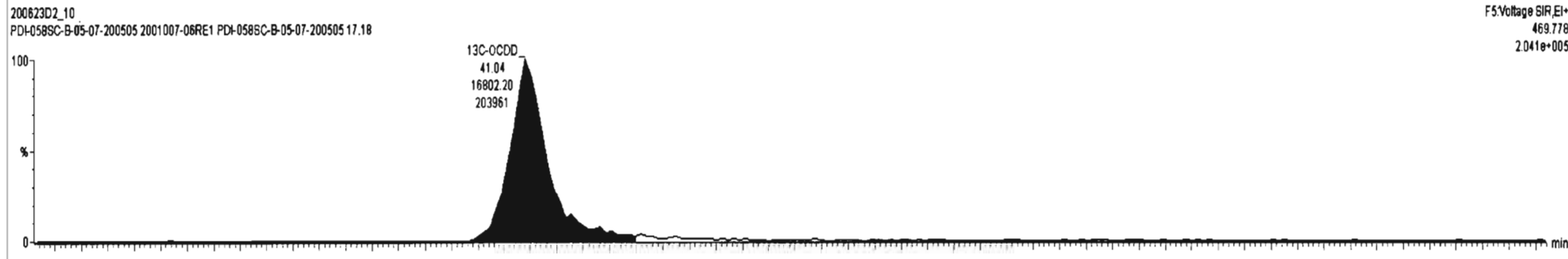
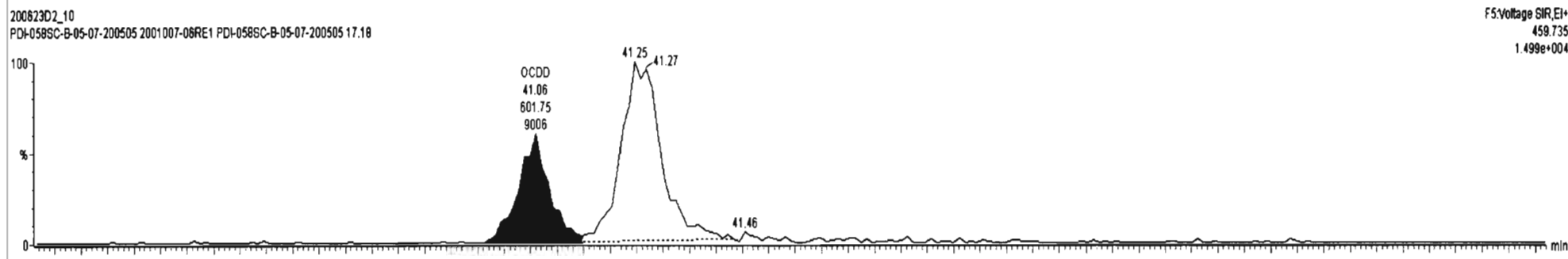
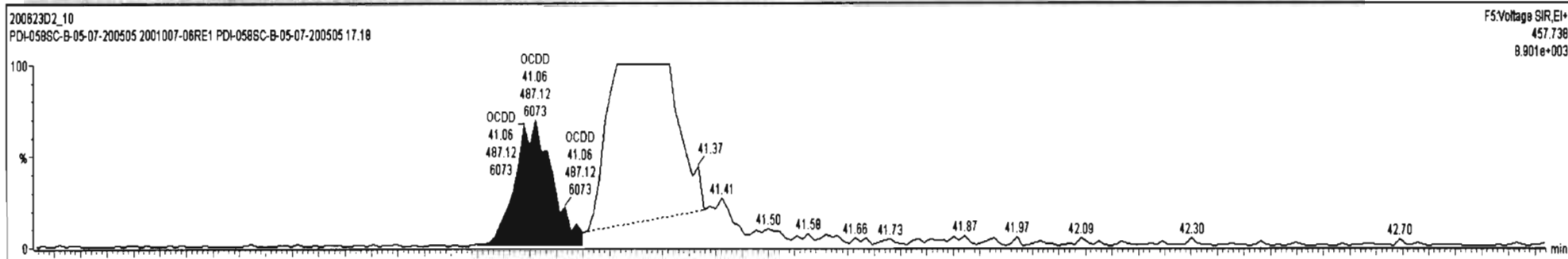
13C-OCDD

200623D2_10



200623D2_10





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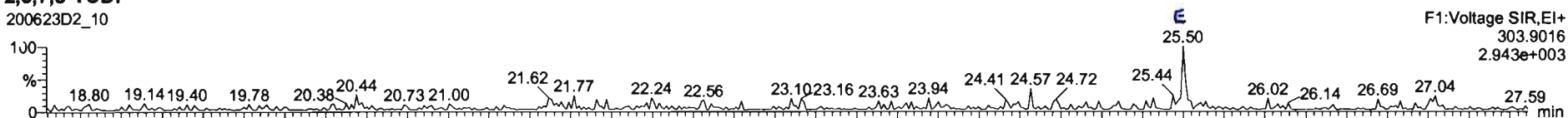
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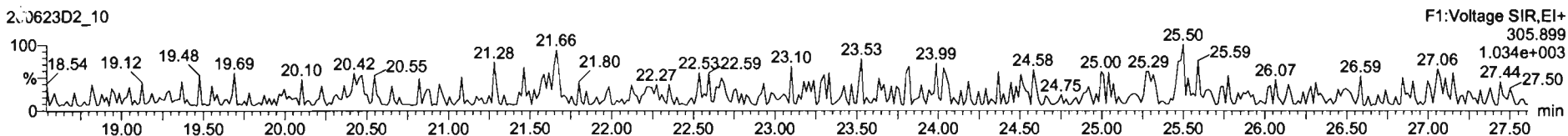
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2,3,7,8-TCDF

200623D2_10

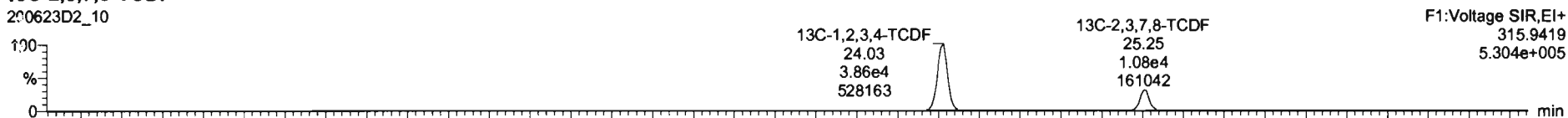


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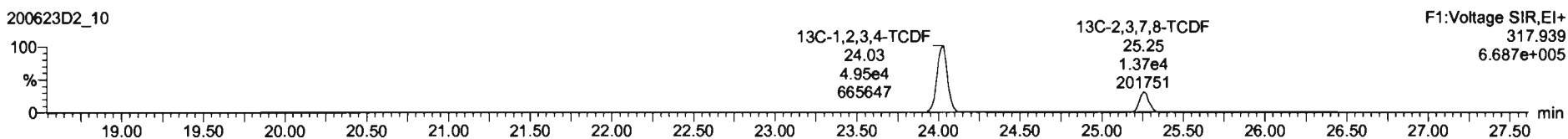


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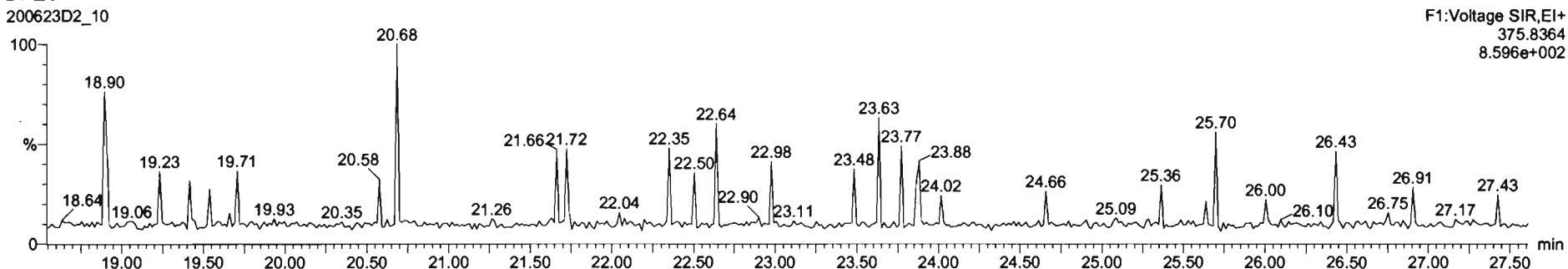


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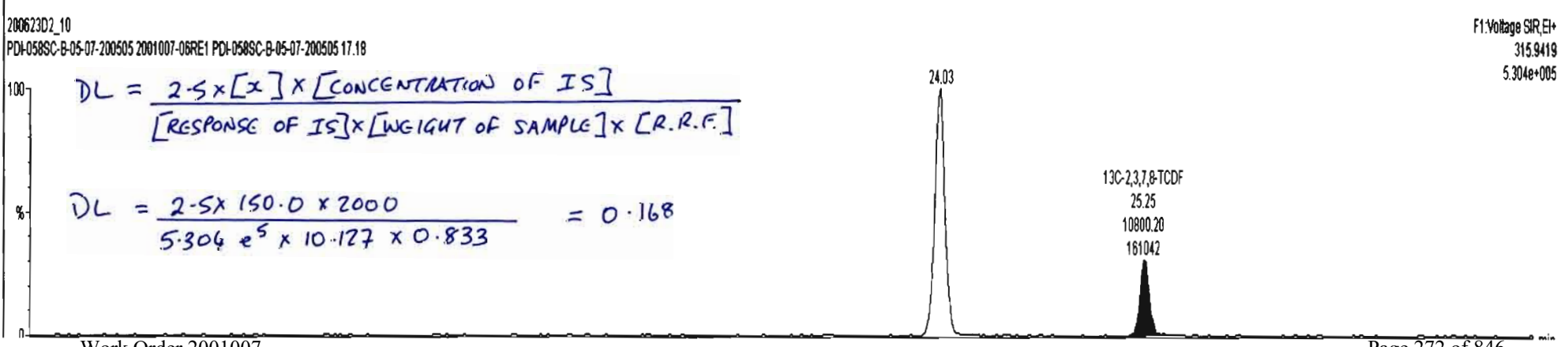
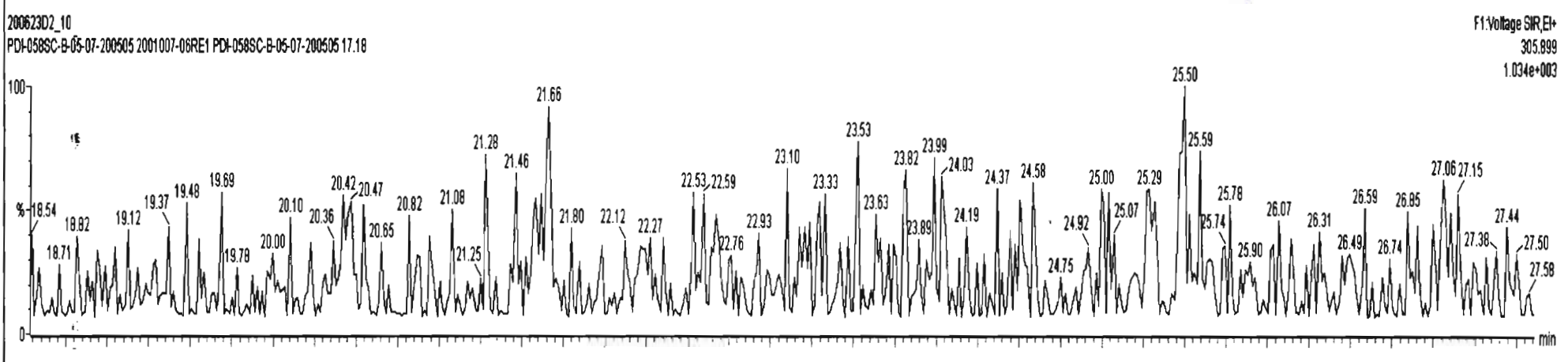
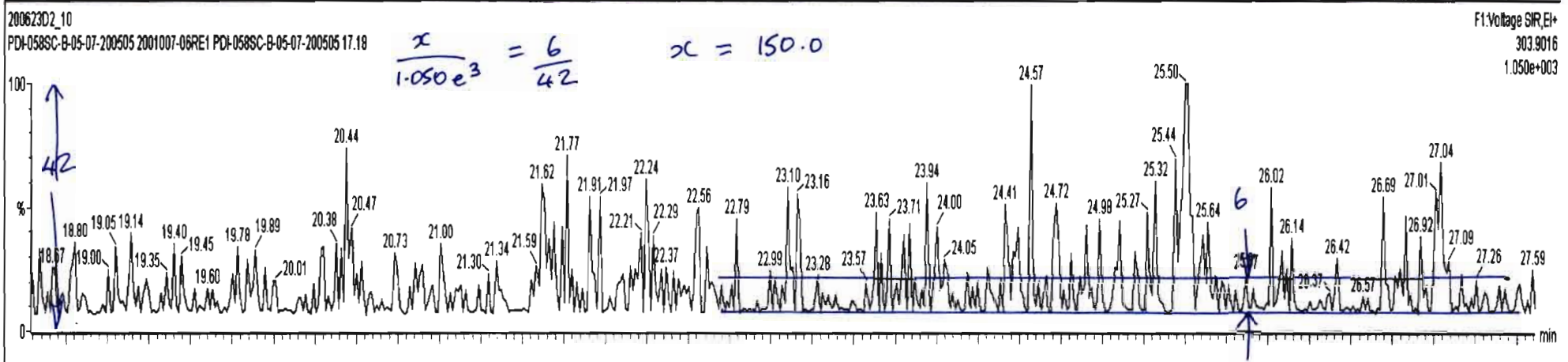


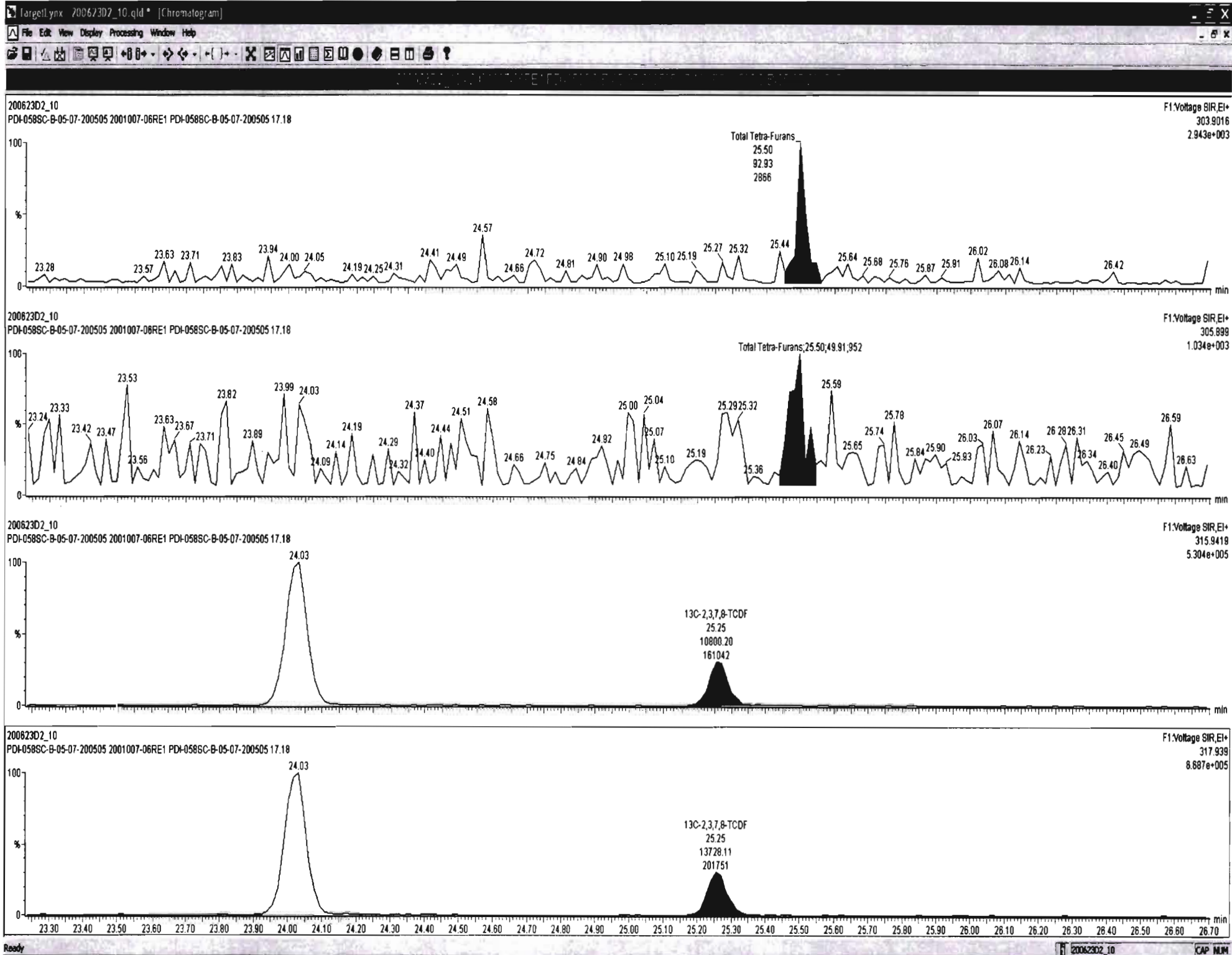
DPE1

200623D2_10



20062302_10-2001007-06RE1 PDI-058SC-B-05-07-200505 17.18- PDI-058SC-B-05-07-200505





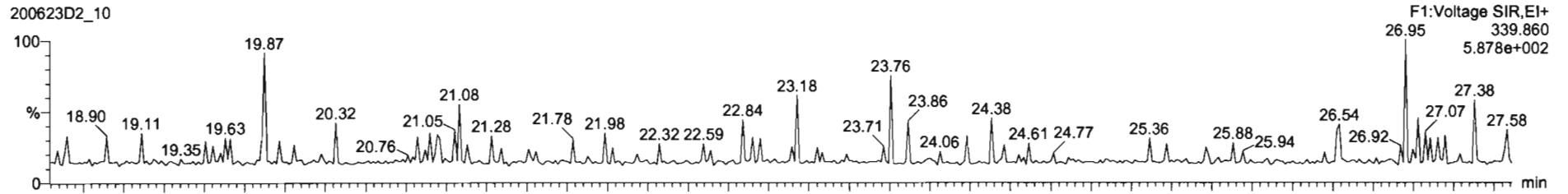
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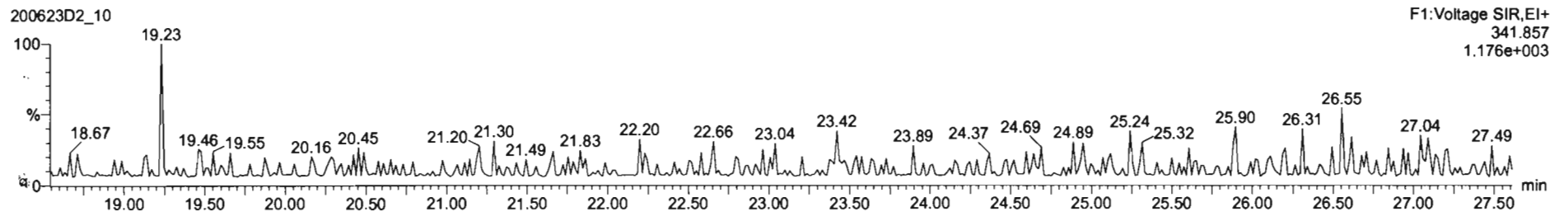
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1st Func. Penta-Furans

200623D2_10

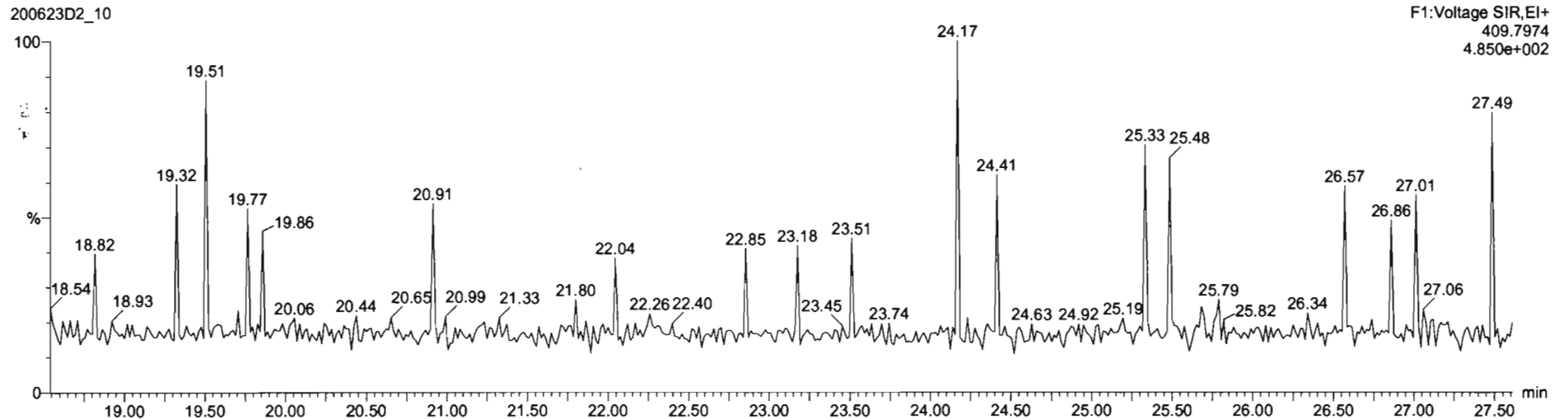


200623D2_10



DPE6

200623D2_10



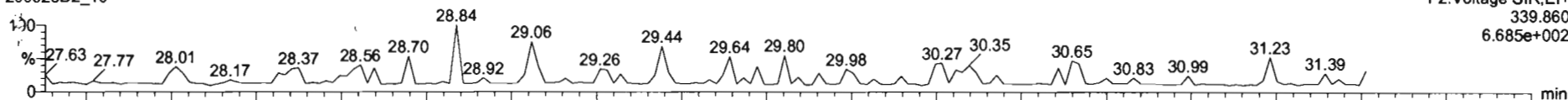
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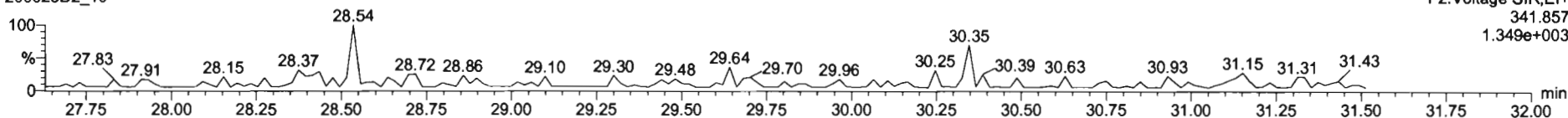
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1,2,3,7,8-PeCDF

200623D2_10

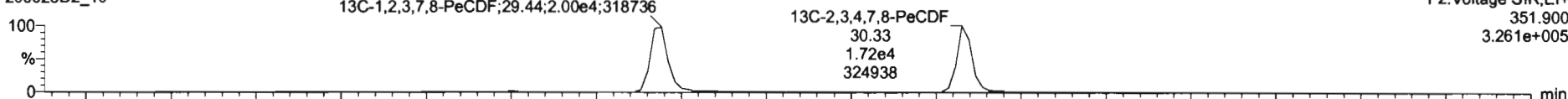


200623D2_10

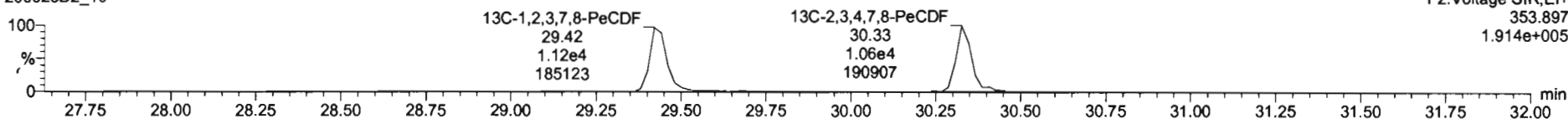


13C-1,2,3,7,8-PeCDF

200623D2_10

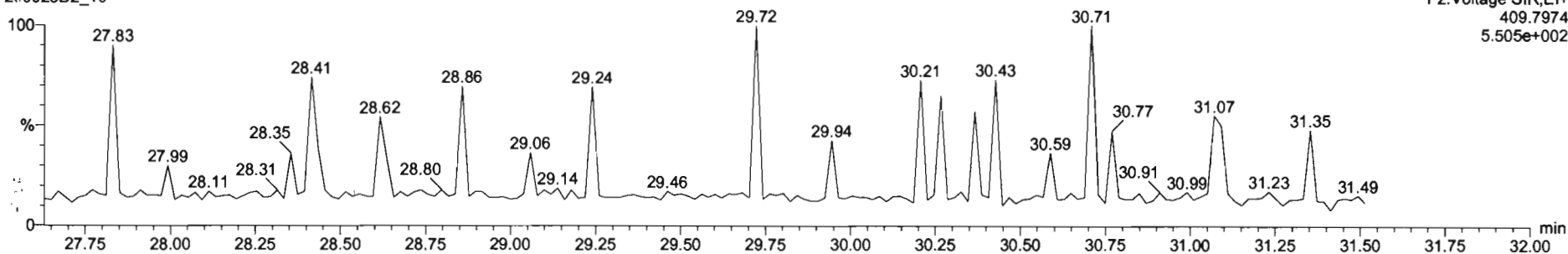


200623D2_10



DPE2

200623D2_10

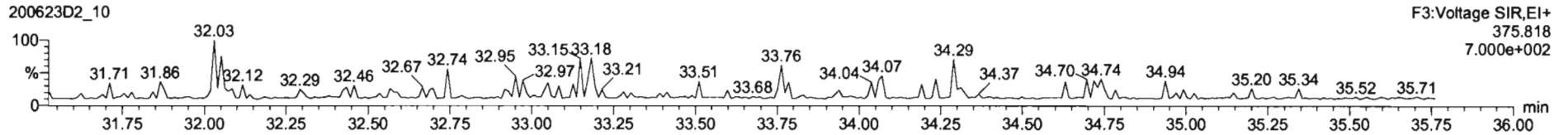
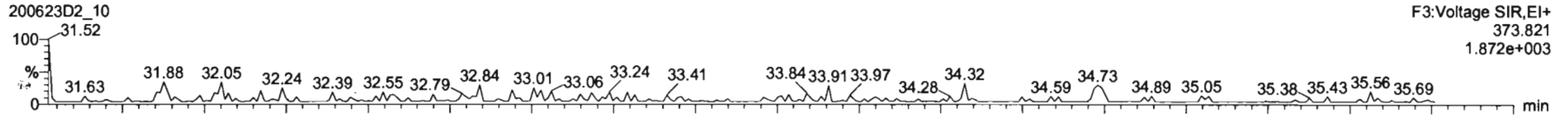


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_10.qld

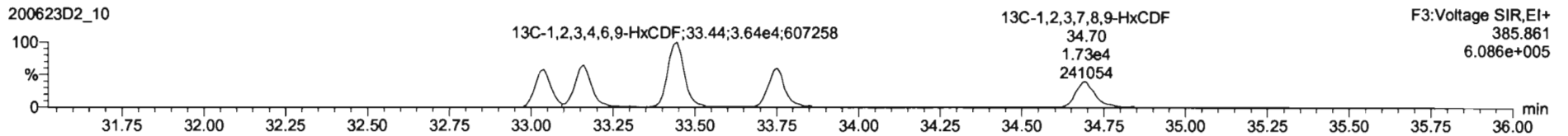
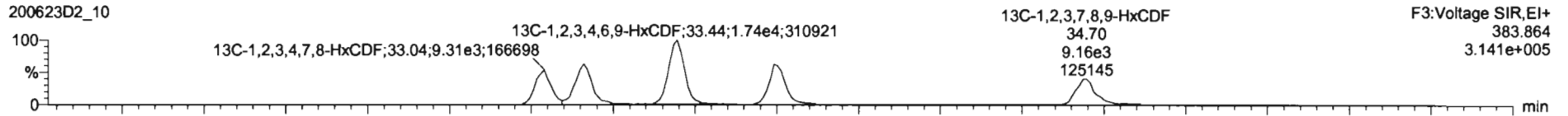
Last Altered: Wednesday, June 24, 2020 10:44:44 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:37:49 Pacific Daylight Time

Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

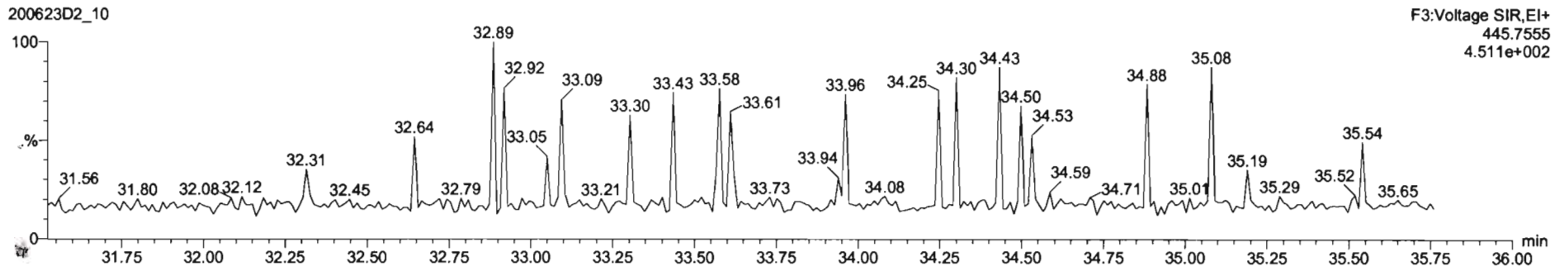
1,2,3,4,7,8-HxCDF



¹³C-1,2,3,4,7,8-HxCDF



DPE3



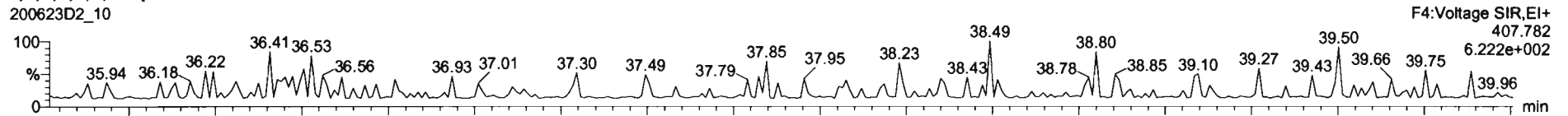
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Printed: Wednesday, June 24, 2020 14:37:49 Pacific Daylight Time

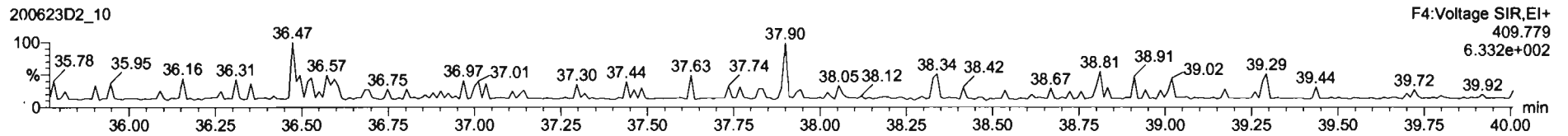
Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505

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

200623D2_10

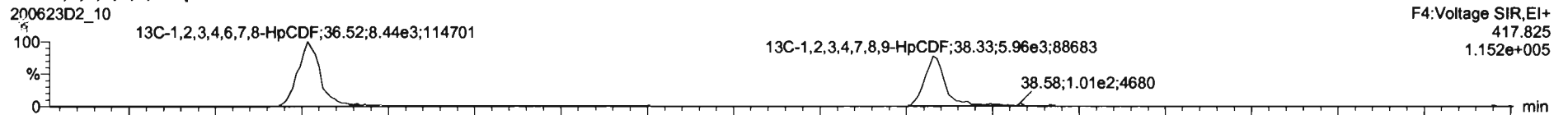


200623D2_10

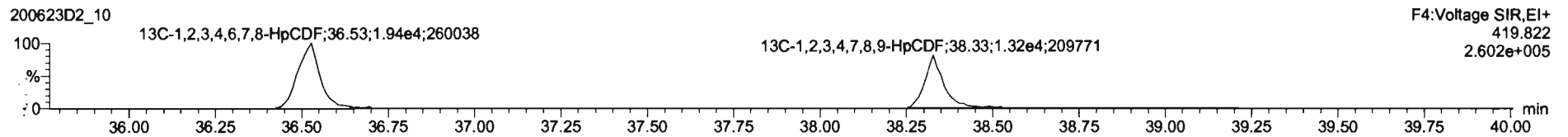


13C-1,2,3,4,6,7,8-HpCDF

200623D2_10

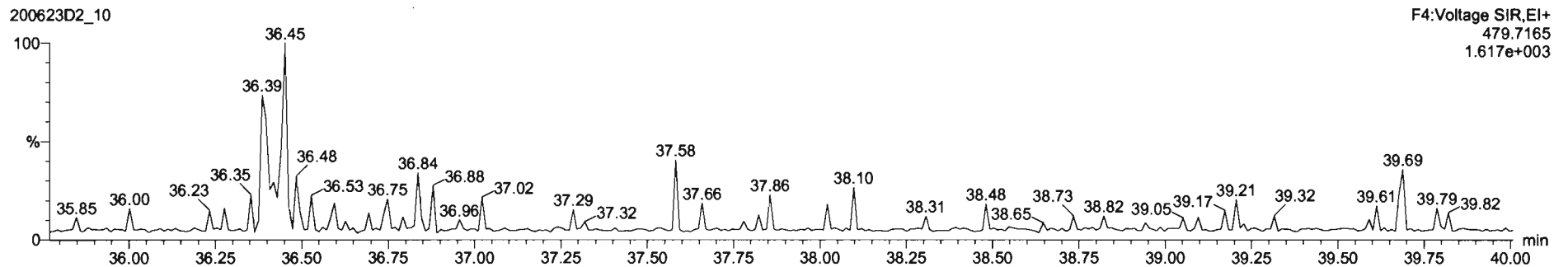


200623D2_10



DPE4

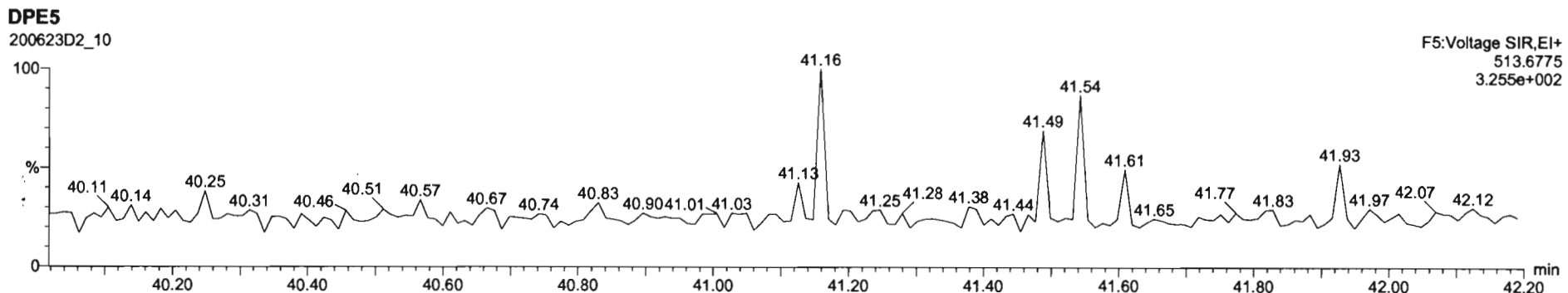
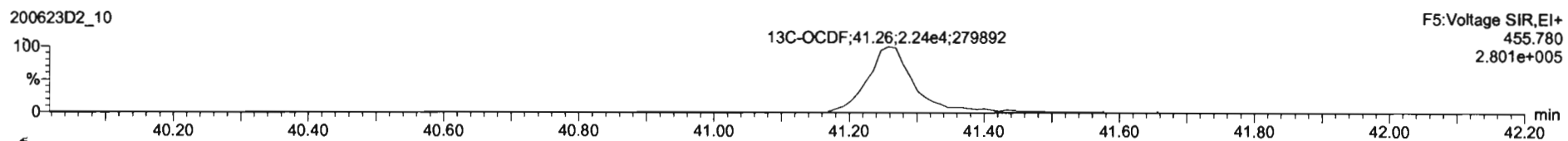
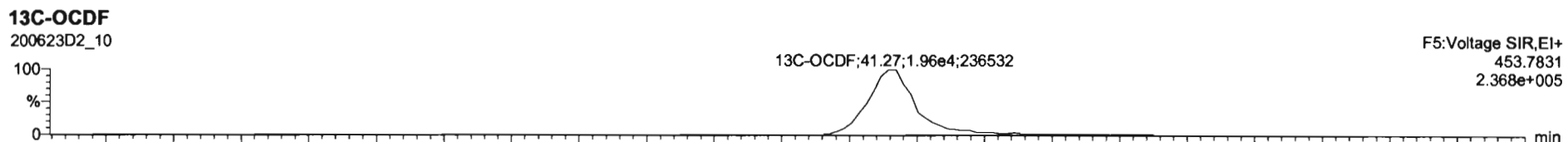
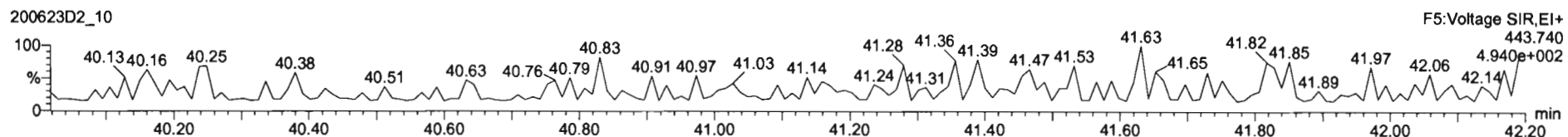
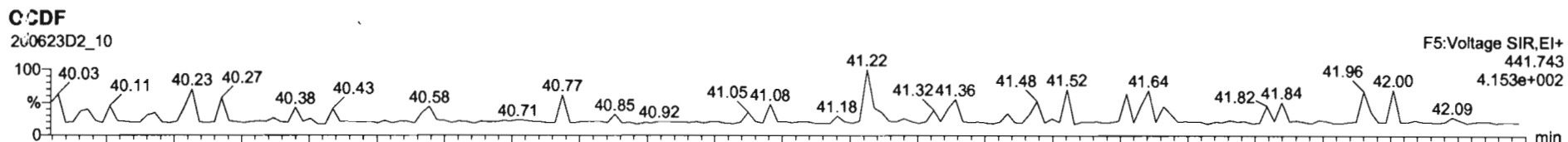
200623D2_10



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_10.qld

Last Altered: Wednesday, June 24, 2020 10:44:44 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:37:49 Pacific Daylight Time

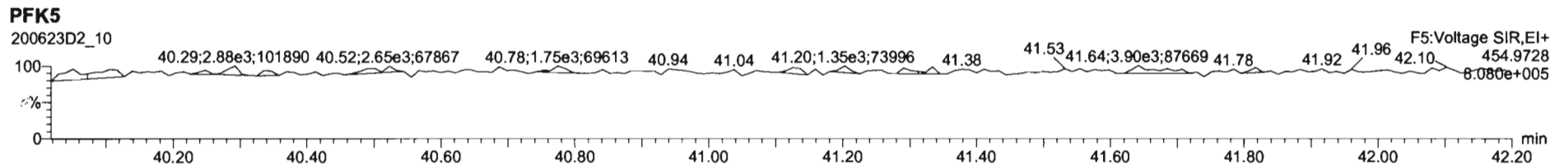
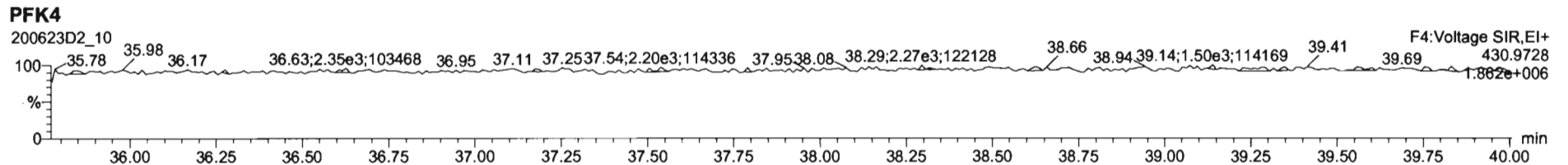
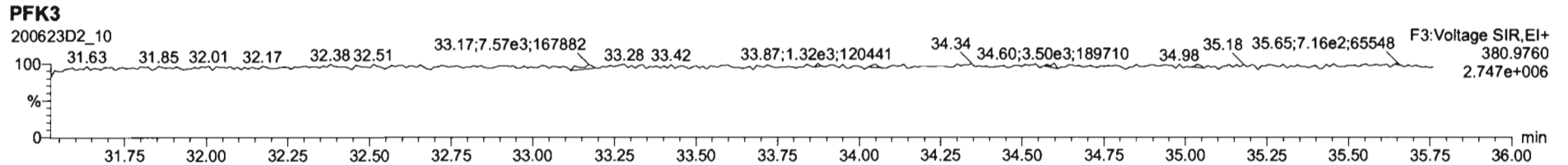
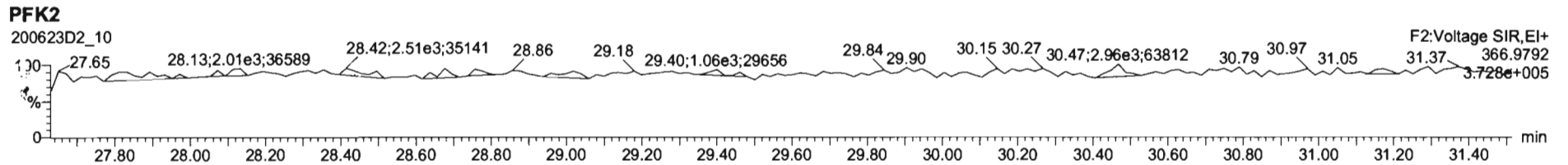
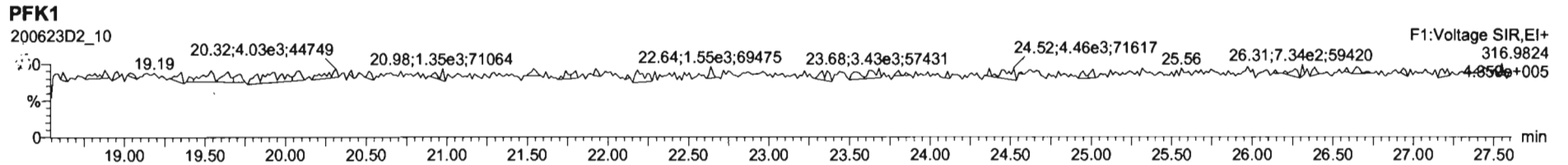
Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_10.qld

Last Altered: Wednesday, June 24, 2020 10:44:44 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 14:37:49 Pacific Daylight Time

Name: 200623D2_10, Date: 24-Jun-2020, Time: 04:11:51, ID: 2001007-06RE1 PDI-058SC-B-05-07-200505 17.18, Description: PDI-058SC-B-05-07-200505



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200519R1-1

Reviewed By: C7 05/19/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>geb</u>	_____
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> V
- Samples within 12 hour clock?	<u>(Y)</u>	N
- Bottle position verified?	<u>geb</u>	_____

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

Intergrated peaks display correctly? NA

GC Break <20% NA

8280 CS1 End Standard:

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

Comments:

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

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

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

GEB 05/19/2020

C7 05/19/2020

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

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

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

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

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

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

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

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

32	13C-1,2,3,4,6,7,8-HpCDF	8.45e5	1.09e6	0.43	NO	0.771	36.96	36.97	NO	1.086	1.086	100.25	100	NO
33	13C-1,2,3,4,7,8,9-HpCDF	5.58e5	1.09e6	0.43	NO	0.482	38.97	38.97	NO	1.145	1.145	105.88	106	NO
34	13C-OCDF	1.63e6	1.09e6	0.88	NO	0.669	41.54	41.55	NO	1.221	1.221	223.12	112	NO
35	37Cl-2,3,7,8-TCDD	1.30e5	1.23e6			1.10	26.08	26.06	NO	1.028	1.027	9.6144	96.1	NO
36	13C-1,2,3,4-TCDD	1.23e6	1.23e6	0.80	NO	1.00	25.35	25.38	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	1.73e6	1.73e6	0.79	NO	1.00	23.56	23.59	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.09e6	1.09e6	0.52	NO	1.00	34.00	34.03	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 13:30:55 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 13:31:06 Pacific Daylight Time

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

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

Compound name: 2,3,7,8-TCDD

		Acq. Date	Acq. Time
200519R1_1	ST200519R1_1 1613 CS3 19L2305	19-May-20	08:37:57
200519R1_2	B0E0107-BS1 OPR 10	19-May-20	09:26:30
200519R1_3	SOLVENT BLANK	19-May-20	10:13:45
200519R1_4	B0E0107-BLK1 Method Blank 10	19-May-20	10:59:57
200519R1_5	B0E0107-BLK1 Method Blank 10	19-May-20	11:47:22
200519R1_6	2000948-15RE1 PDI-161SC-A-05-06-200424 ...	19-May-20	12:35:05

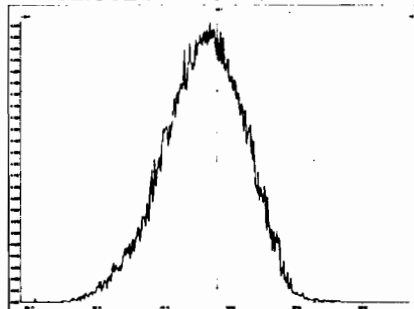
Experiment Calibration Report

MassLynx 4.1 SCN815

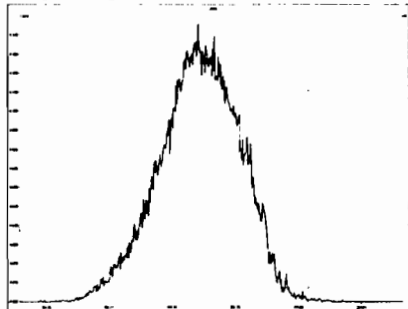
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:32:15 Pacific Daylight Time

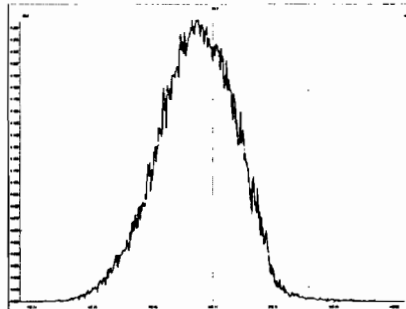
M 292.9824 R 10415



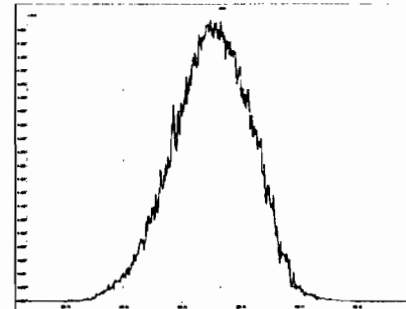
M 304.9824 R 10506



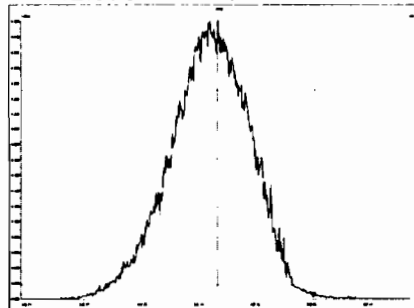
M 318.9792 R 10729



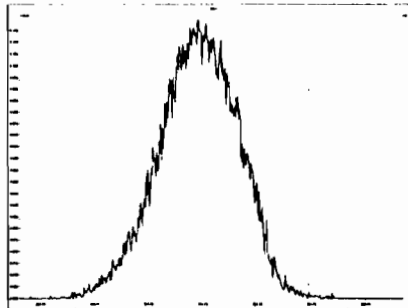
M 330.9792 R 10641



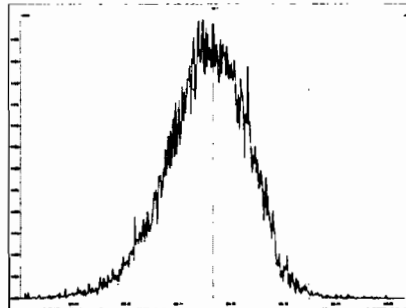
M 342.9792 R 10505



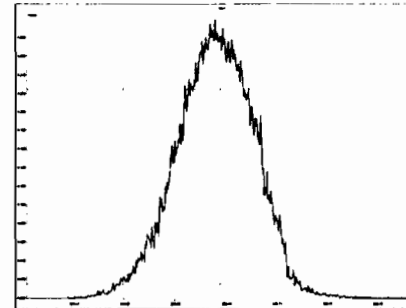
M 354.9792 R 10592



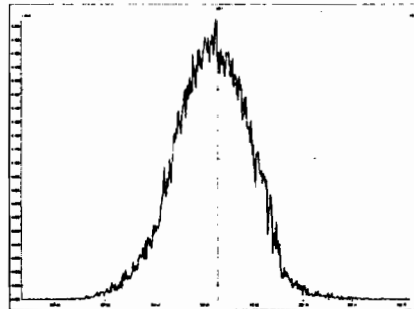
M 366.9792 R 10545



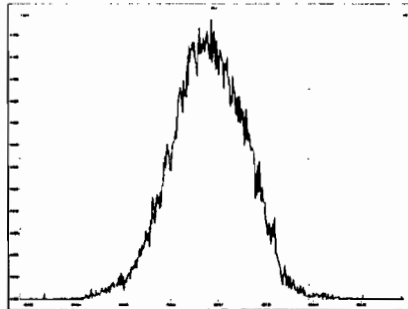
M 380.9760 R 11061



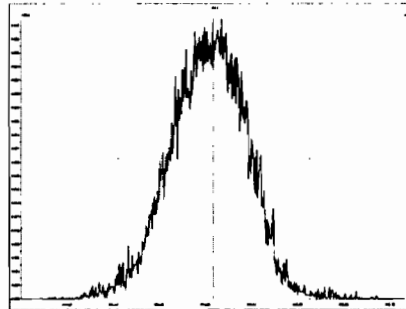
M 392.9760 R 11365



M 404.9760 R 11737



M 416.9760 R 11790



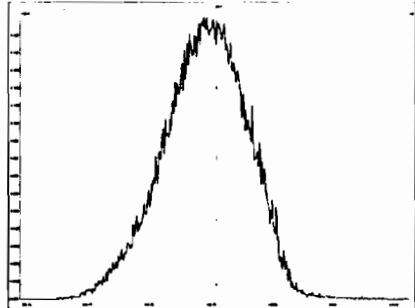
Experiment Calibration Report

MassLynx 4.1.SCN815.

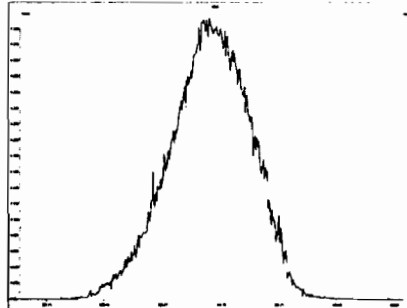
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:32:49 Pacific Daylight Time

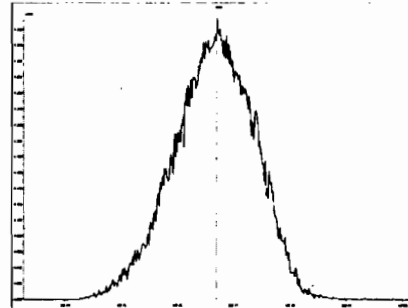
M 318.9792 R 10163



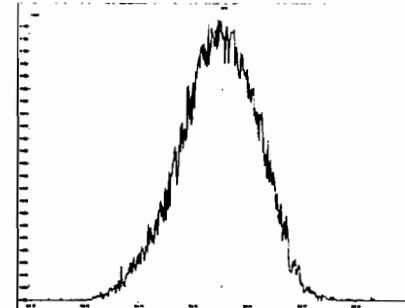
M 330.9792 R 10459



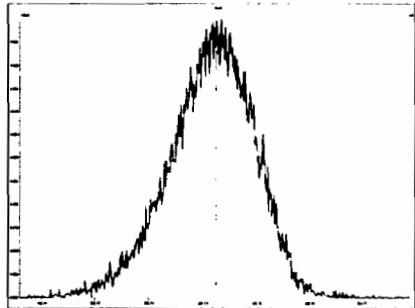
M 342.9792 R 10594



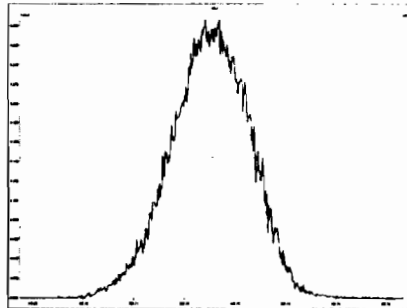
M 354.9792 R 10503



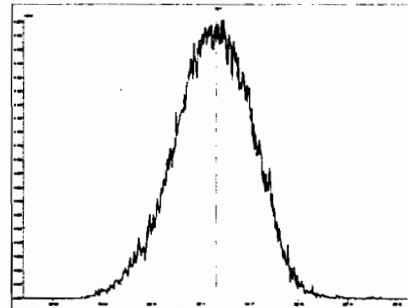
M 366.9792 R 10731



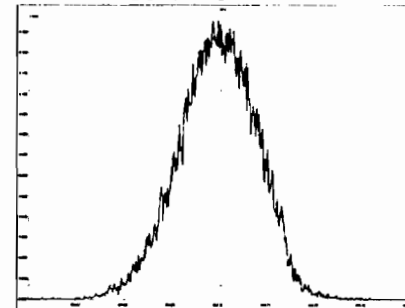
M 380.9760 R 10730



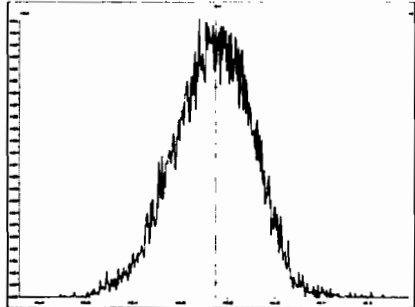
M 392.9760 R 10506



M 404.9760 R 10684



M 416.9760 R 11159



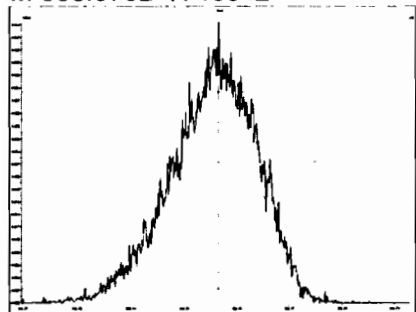
Experiment Calibration Report

MassLynx 4.1 SCN815

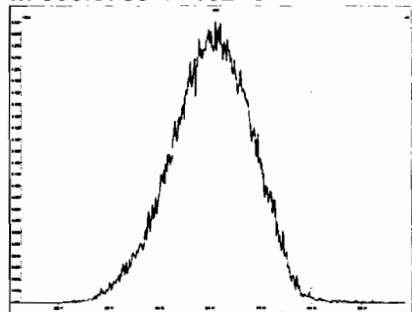
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:34:05 Pacific Daylight Time

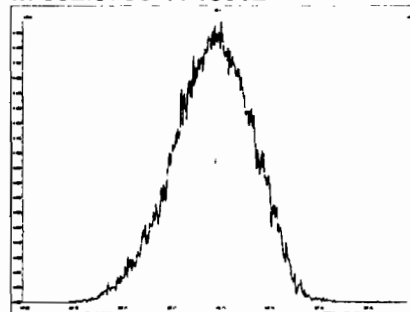
M 366.9792 R 10042



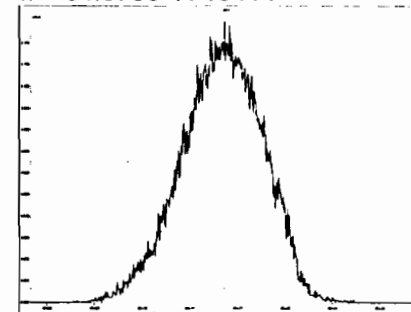
M 380.9760 R 10246



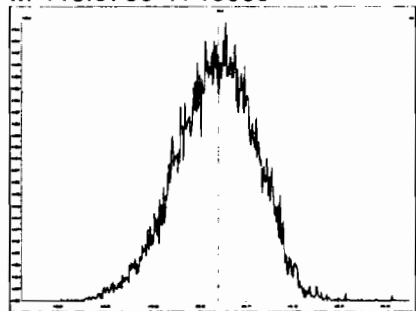
M 392.9760 R 10682



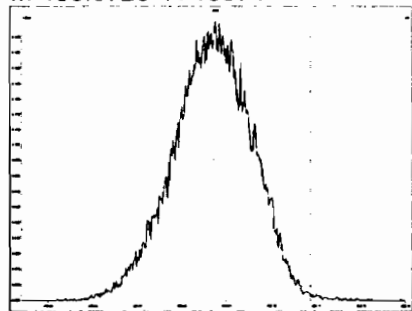
M 404.9760 R 10414



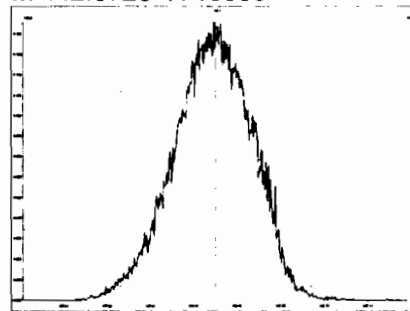
M 416.9760 R 10503



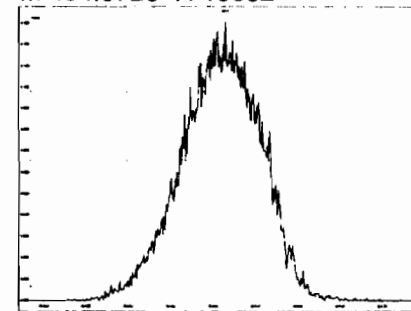
M 430.9728 R 10371



M 442.9728 R 10638



M 454.9728 R 10682



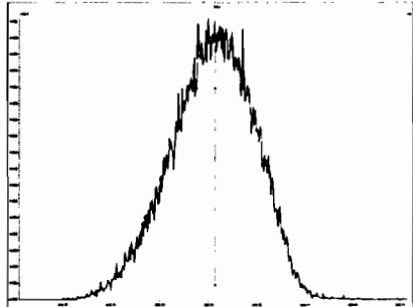
Experiment Calibration Report

MassLynx 4.1 SCN815

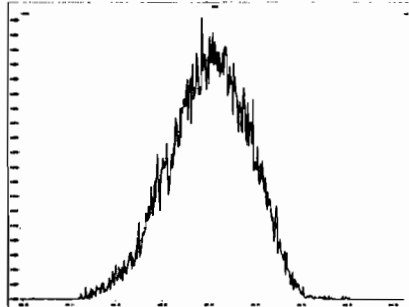
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:34:46 Pacific Daylight Time

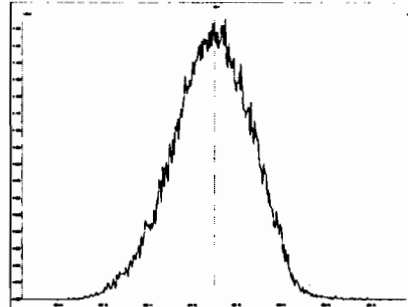
M 404.9760 R 10414



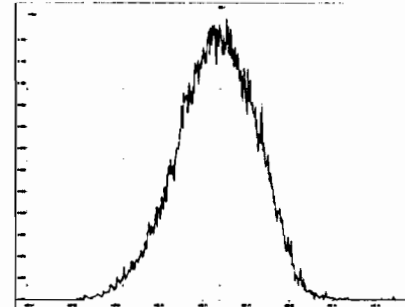
M 416.9760 R 10593



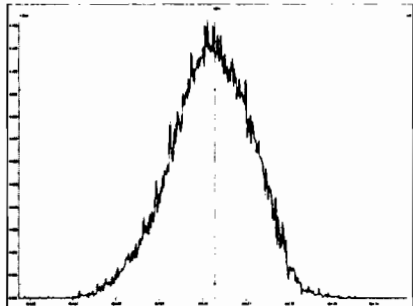
M 430.9728 R 10503



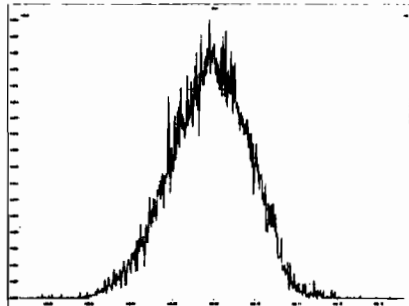
M 442.9728 R 10243



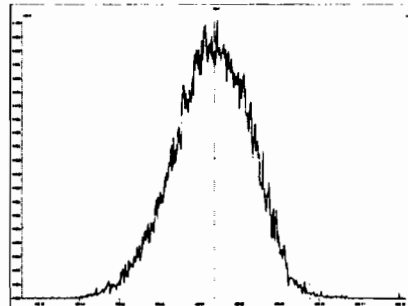
M 454.9728 R 10330



M 466.9728 R 11518



M 480.9696 R 10593



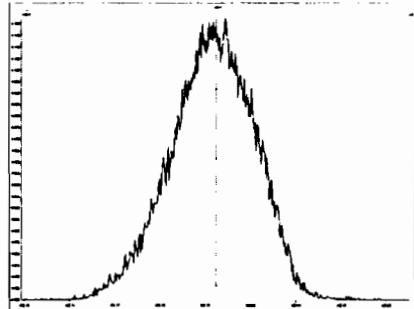
Experiment Calibration Report

MassLynx 4.1 SCN815

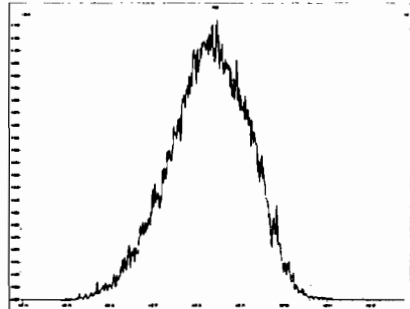
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 08:35:24 Pacific Daylight Time

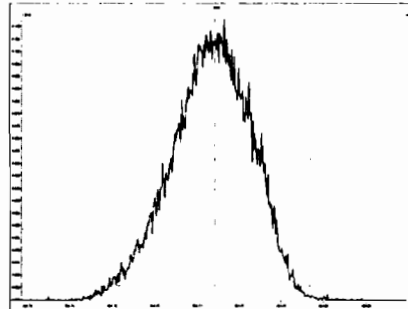
M 430.9728 R 10159



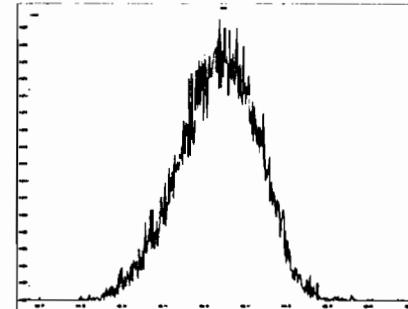
M 442.9728 R 10592



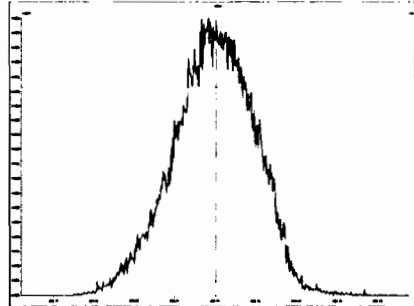
M 454.9728 R 10458



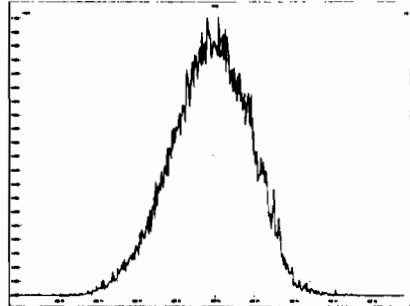
M 466.9728 R 10330



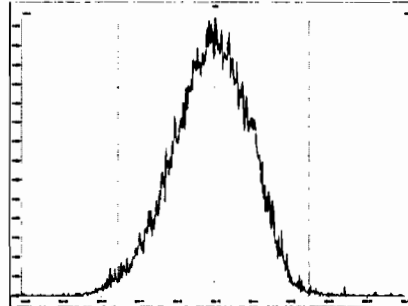
M 480.9696 R 10502



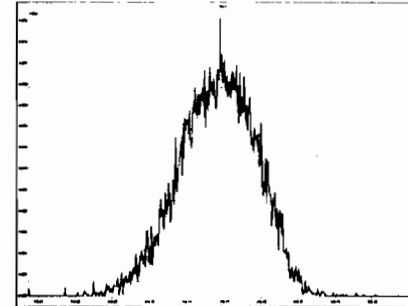
M 492.9696 R 10457



M 504.9696 R 10592



M 516.9697 R 11364



Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:25:14 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:25:26 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44

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

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

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.90
2	2 1,2,8,9-TCDD (Last)	27.07
3	3 1,2,4,7,9-PeCDD (First)	28.88
4	4 1,2,3,8,9-PeCDD (Last)	31.54
5	5 1,2,4,6,7,9-HxCDD (First)	33.04
6	6 1,2,3,7,8,9-HxCDD (Last)	34.89
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.36
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.39
9	9 1,3,6,8-TCDF (First)	19.84
10	10 1,2,8,9-TCDF (Last)	27.22
11	11 1,3,4,6,8-PeCDF (First)	27.17
12	12 1,2,3,8,9-PeCDF (Last)	31.78
13	13 1,2,3,4,6,8-HxCDF (First)	32.48
14	14 1,2,3,7,8,9-HxCDF (Last)	35.24
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.98
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.99

Dataset: Untitled

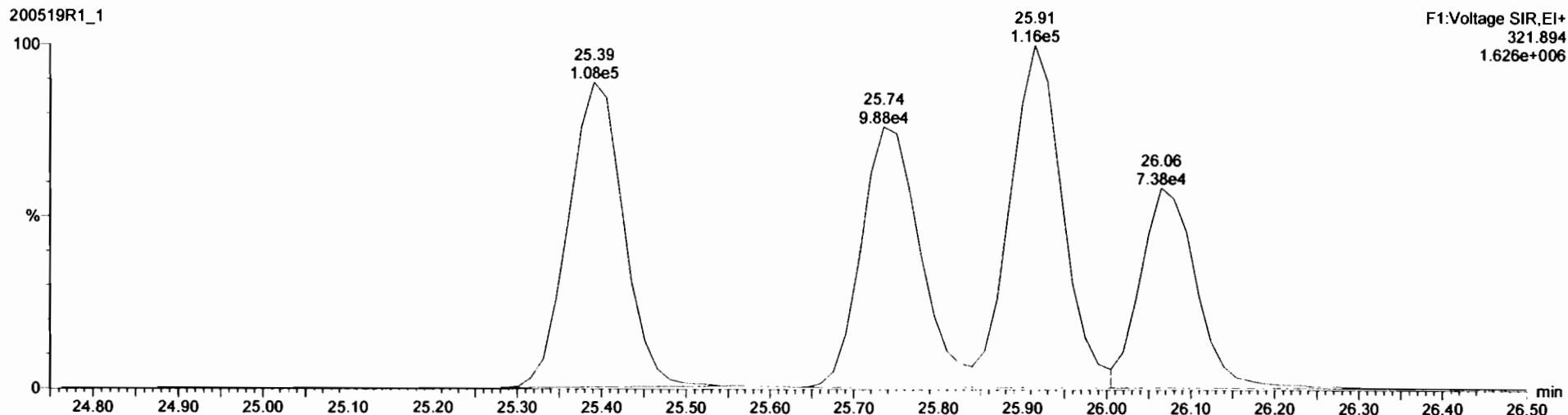
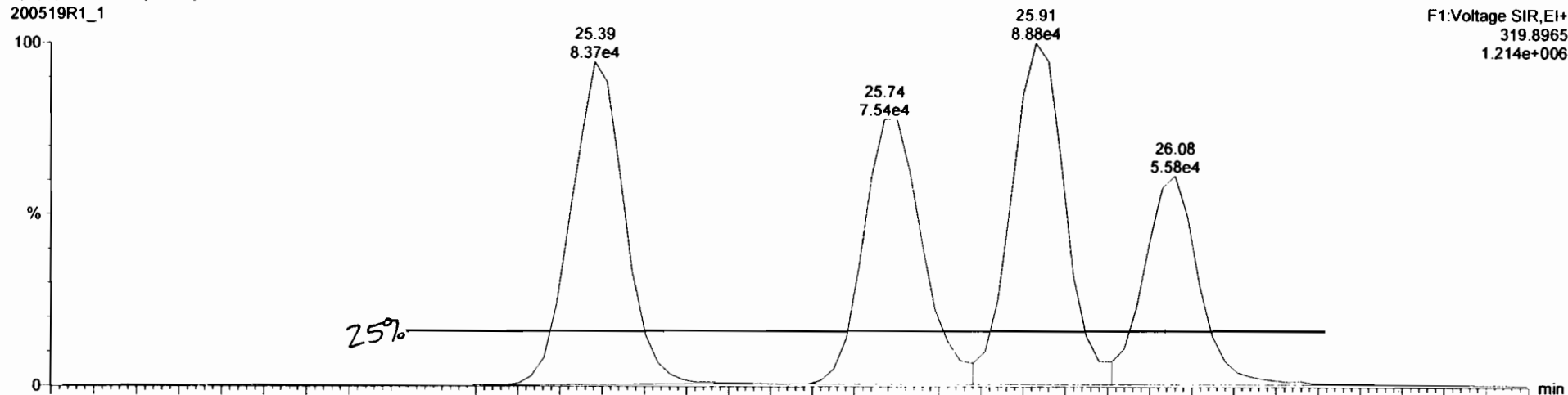
Last Altered: Tuesday, May 19, 2020 09:25:14 Pacific Daylight Time
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GRB 05/19/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

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

1,3,6,8-TCDD (First)
200519R1_1



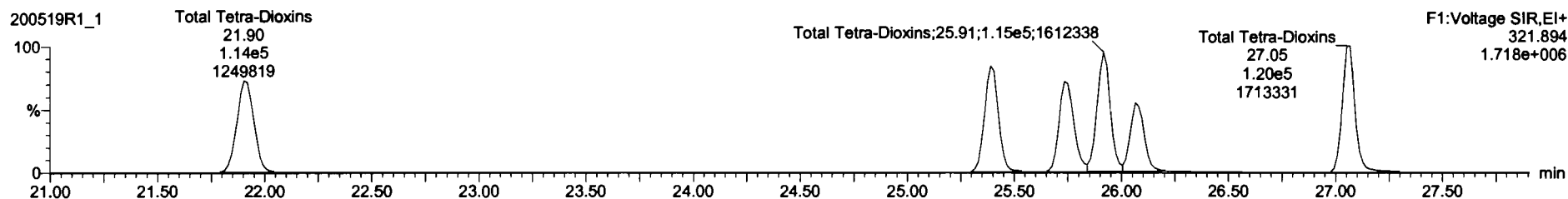
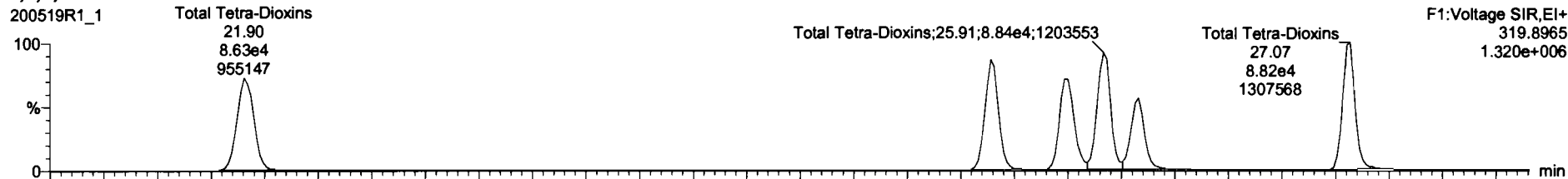
Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

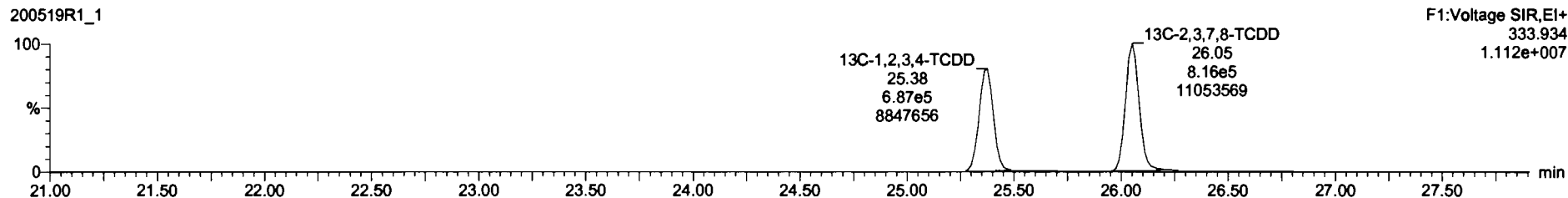
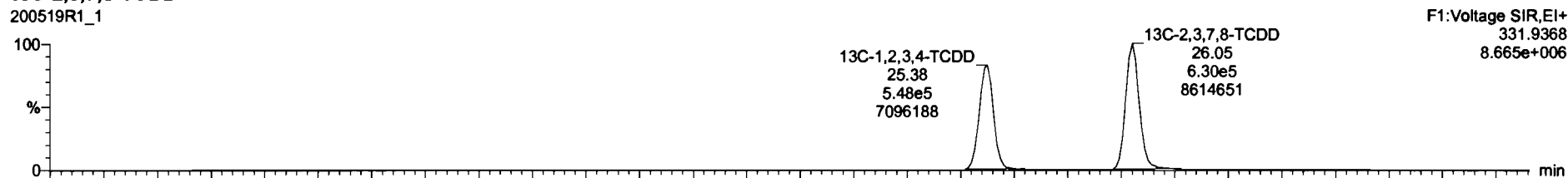
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

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

2,3,7,8-TCDD



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



Dataset: Untitled

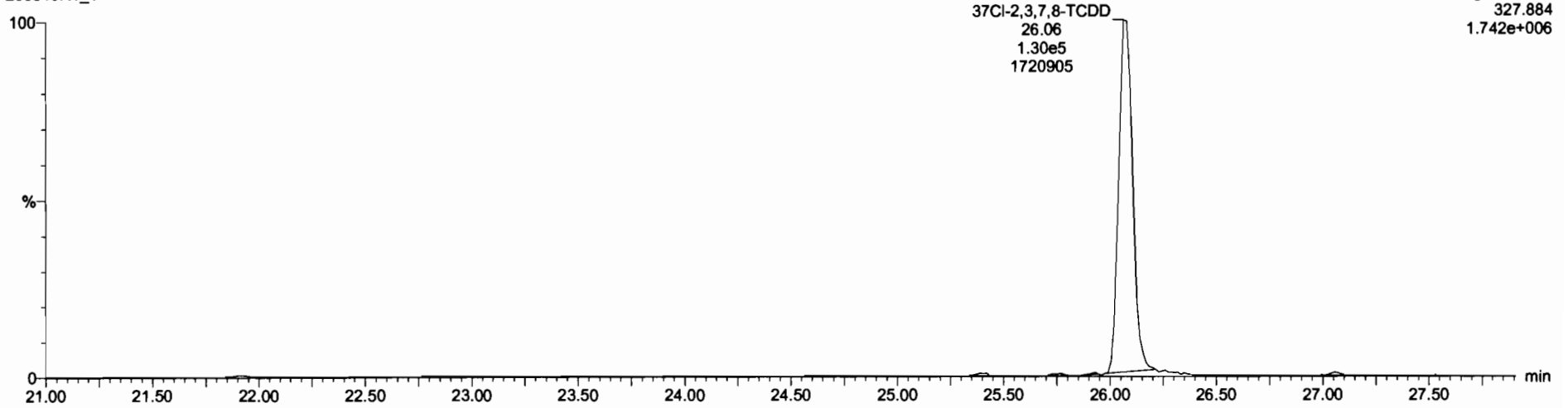
Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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

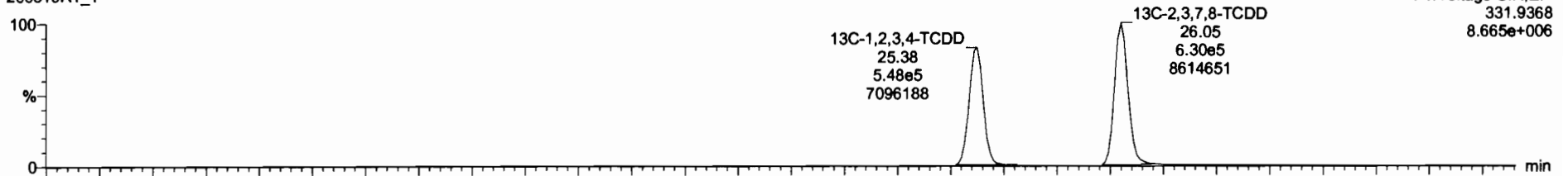
37Cl-2,3,7,8-TCDD

200519R1_1

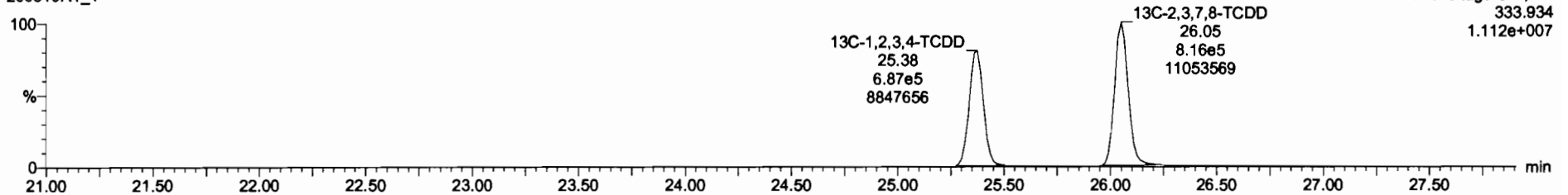


13C-1,2,3,4-TCDD

200519R1_1



200519R1_1



Dataset: Untitled

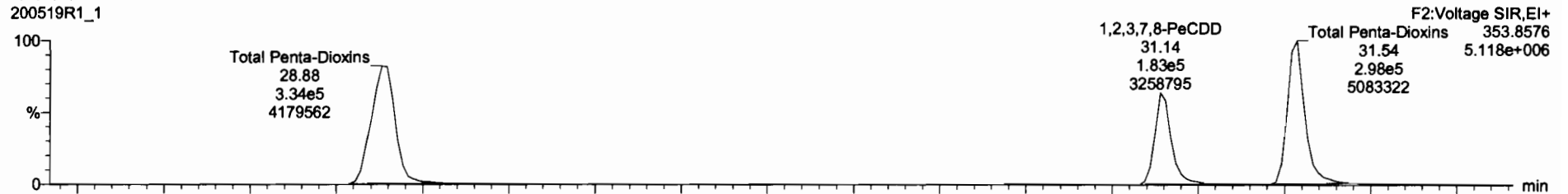
Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

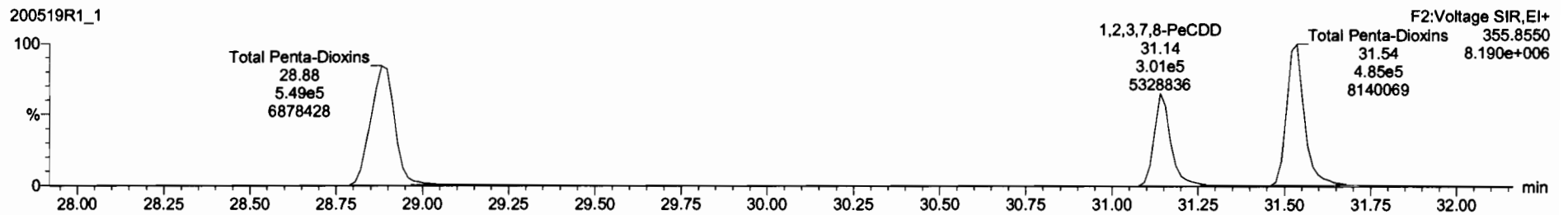
Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200519R1_1

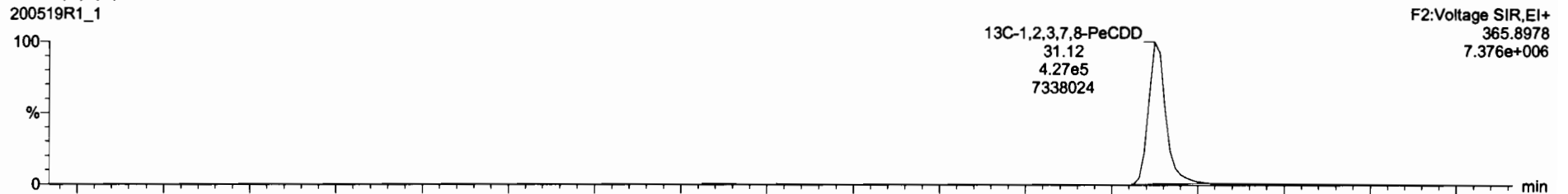


200519R1_1

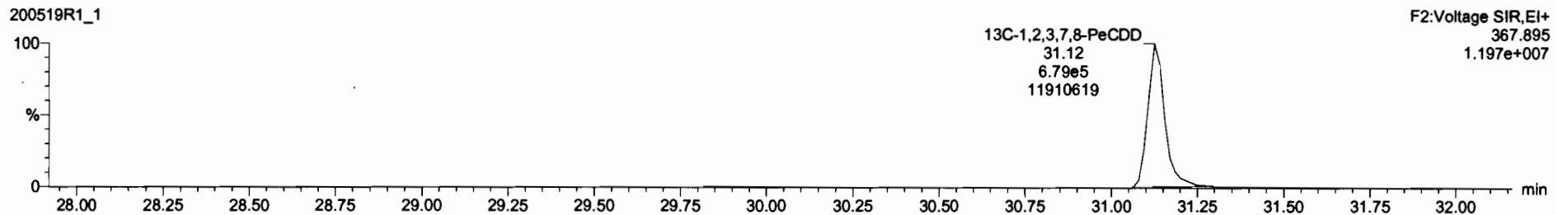


13C-1,2,3,7,8-PeCDD

200519R1_1



200519R1_1



Dataset: Untitled

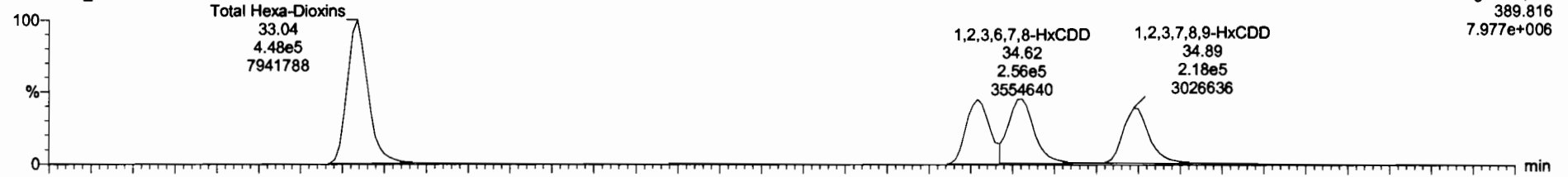
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Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

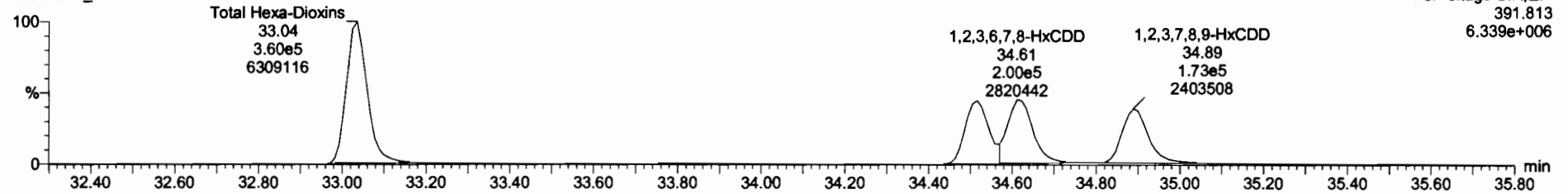
Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200519R1_1

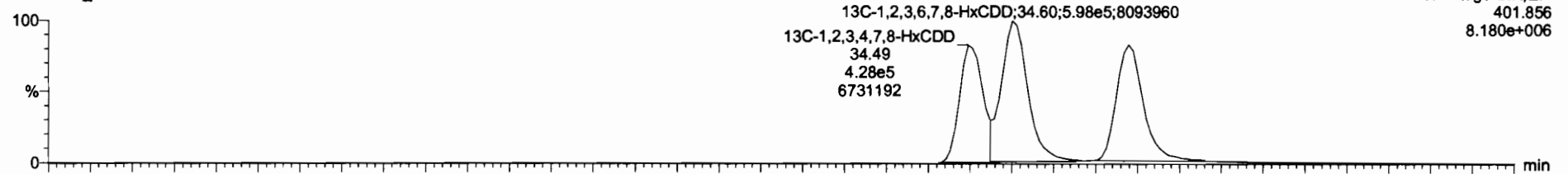


200519R1_1

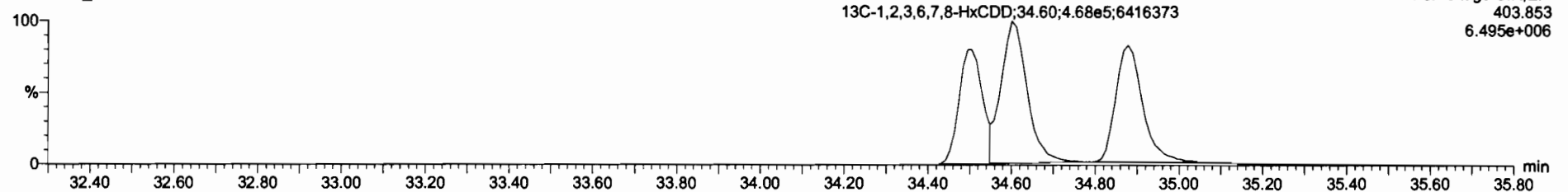


13C-1,2,3,4,7,8-HxCDD

200519R1_1



200519R1_1



Dataset: Untitled

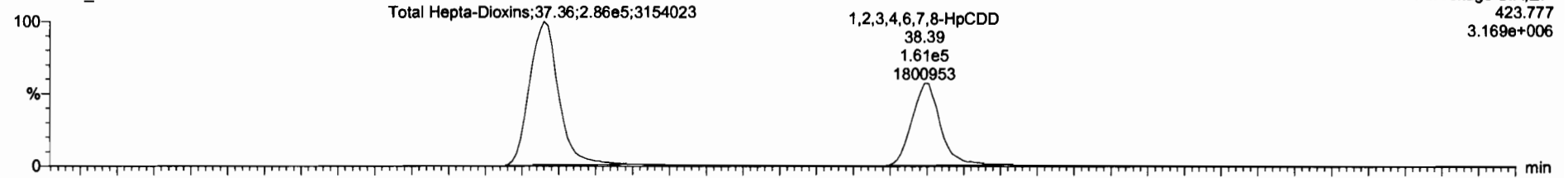
Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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

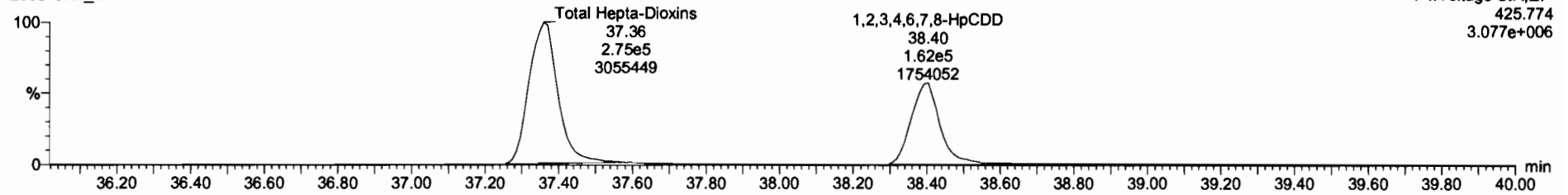
1,2,3,4,6,7,8-HpCDD

200519R1_1



F4: Voltage SIR, EI+
423.777
3.169e+006

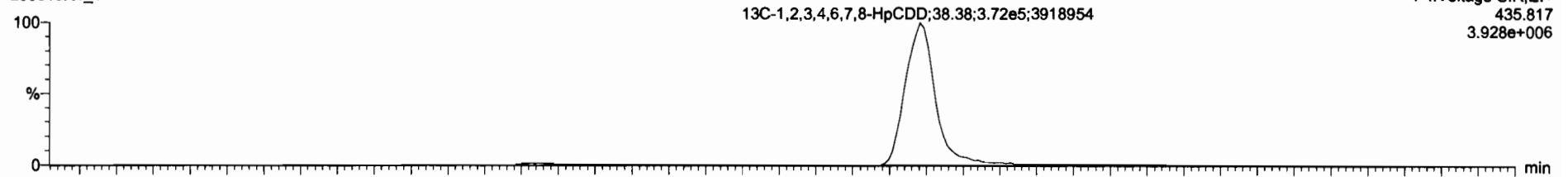
200519R1_1



F4: Voltage SIR, EI+
425.774
3.077e+006

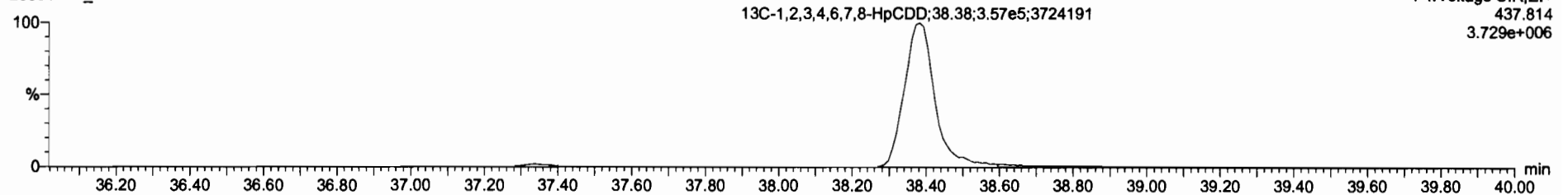
13C-1,2,3,4,6,7,8-HpCDD

200519R1_1



F4: Voltage SIR, EI+
435.817
3.928e+006

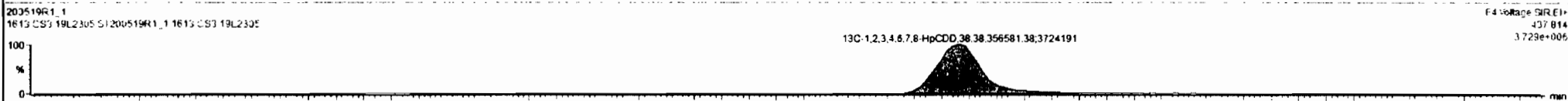
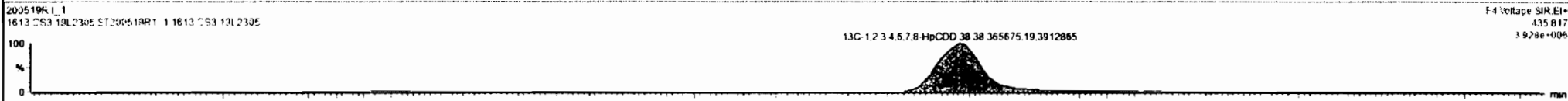
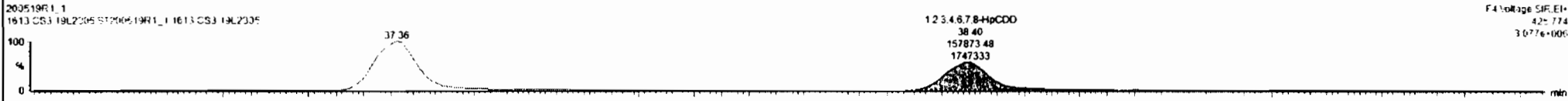
200519R1_1



F4: Voltage SIR, EI+
437.814
3.729e+006



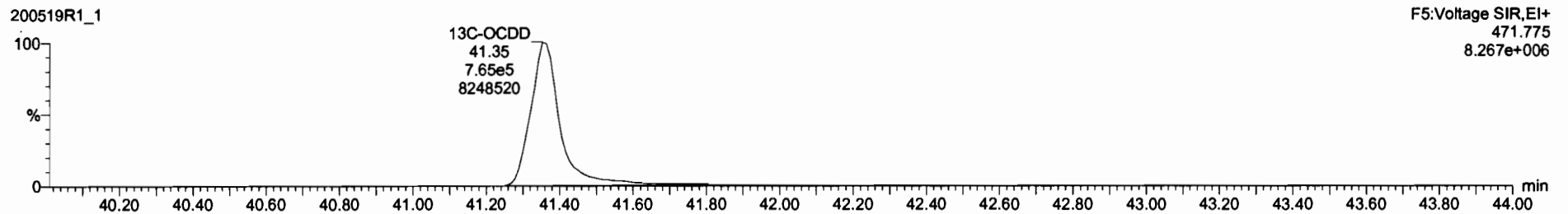
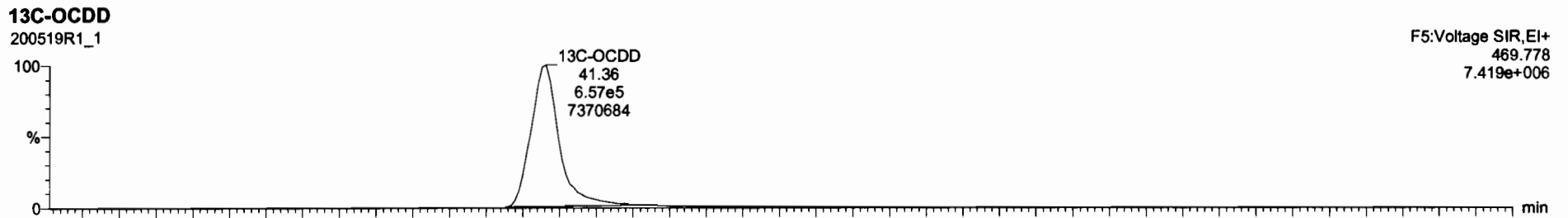
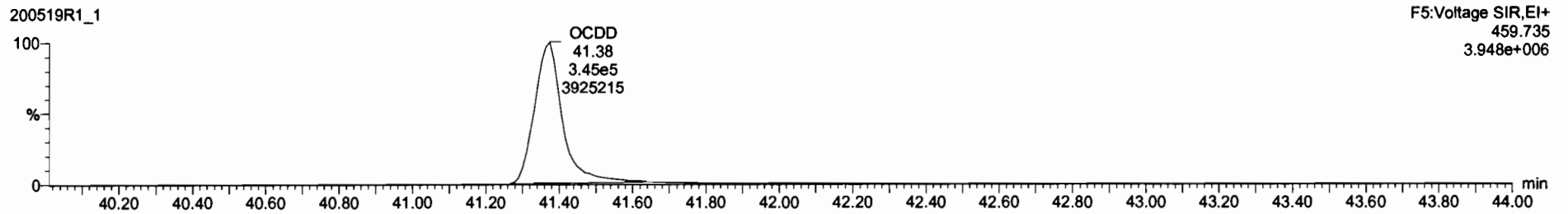
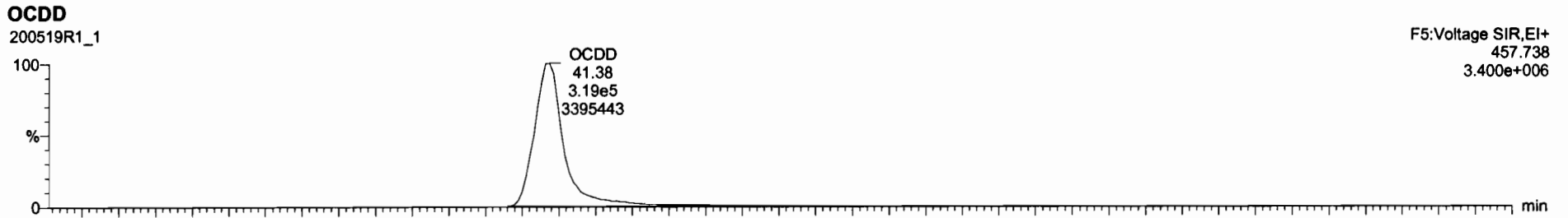
#	Name	Resp	IS Comp	Prod RA	RA	nly	RF	Prod RT	RT	RT Flag	Prod RRT	RRT	Comp	%Rec	STD out
1	1,2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	51.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9426	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.55e5	1.07e6	1.24	1.28	NO	0.9145	34.60	34.62	NO	1.000	1.001	46.7	93.4	NO
5	1,2,3,7,8-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9149	34.89	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
7	OCDD	6.64e5	1.42e6	0.89	0.92	NO	0.9335	41.36	41.38	NO	1.000	1.000	100	100	NO
8	2,2',7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.78	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.59e6	1.55	1.56	NO	0.9102	29.82	29.83	NO	1.001	1.001	49.1	98.2	NO
10	2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9964	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.92e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
12	1,2,3,6,7,8-HxCDF	5.87e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,7,8,9-HxCDF	4.19e5	9.36e5	1.24	1.23	NO	0.8642	35.23	35.24	NO	1.000	1.000	51.8	104	NO
15	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
16	1,2,3,4,7,8,9-HpCDF	3.14e5	5.80e5	1.04	1.05	NO	1.0116	38.97	38.96	NO	1.000	1.001	53.6	107	NO
17	OCDF	6.81e5	1.67e6	0.89	0.88	NO	0.8821	41.55	41.56	NO	1.000	1.000	102	102	NO
18	1,3C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
19	1,3C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.8472	31.14	31.12	NO	1.227	1.227	106	106	NO
20	1,3C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.28	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	92.9	NO
21	1,3C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9830	34.62	34.60	NO	1.017	1.017	101	101	NO



Dataset: Untitled

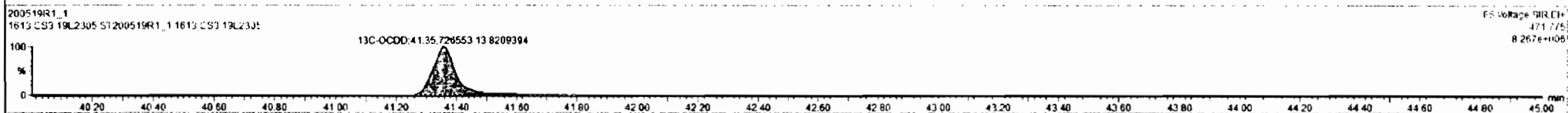
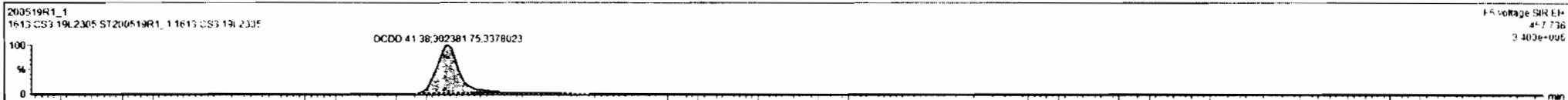
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Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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





#	Name	Resp	IS Rang	Prod RA	RA	ply	RRF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	91.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.55e5	1.07e6	1.24	1.26	NO	0.9145	34.60	34.62	NO	1.000	1.001	46.7	92.4	NO
5	1,2,3,7,8,9-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9149	34.85	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HpCDD	3.19e5	7.22e5	1.04	1.02	NO	0.6079	38.39	38.38	NO	1.000	1.000	49.1	98.3	NO
7	1,2,3,4,6,7,8-HpCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.78	97.8	NO
8	1,2,3,7,8-PeCDF	7.10e5	1.59e6	1.55	1.56	NO	0.9102	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
9	1,2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9664	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
10	1,2,3,4,7,8-HxCDF	4.92e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
11	1,2,3,6,7,8-HxCDF	5.87e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
12	1,2,3,4,6,7,8-HpCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
13	1,2,3,7,8,9-HxCDF	4.19e5	9.36e5	1.24	1.23	NO	0.8642	35.23	35.24	NO	1.000	1.000	51.2	104	NO
14	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
15	1,2,3,4,7,8,9-HpCDF	3.14e5	5.80e5	1.04	1.05	NO	1.0118	36.97	36.90	NO	1.000	1.001	53.6	107	NO
16	OCDF	6.81e5	1.67e6	0.89	0.88	NO	0.8021	41.55	41.56	NO	1.000	1.000	102	102	NO
17	1,3C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
18	1,3C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.9472	31.14	31.12	NO	1.227	1.227	106	106	NO
19	1,3C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.26	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	93.0	NO
20	1,3C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9530	34.62	34.60	NO	1.017	1.017	101	101	NO

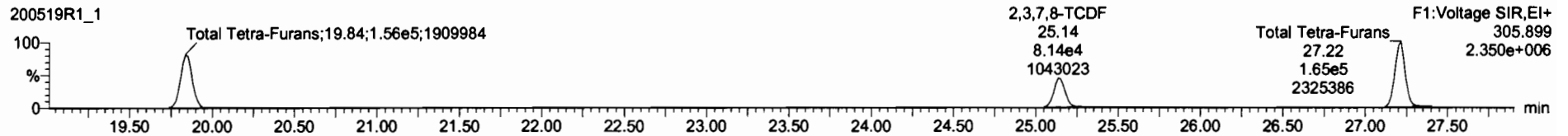


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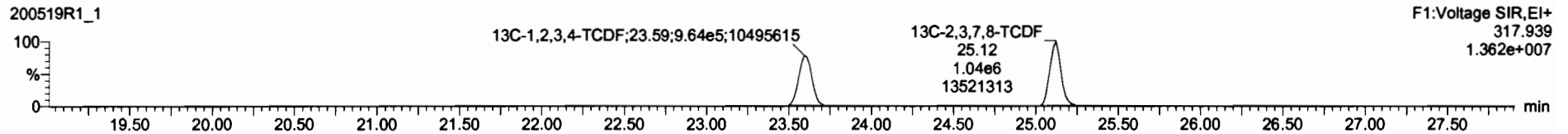
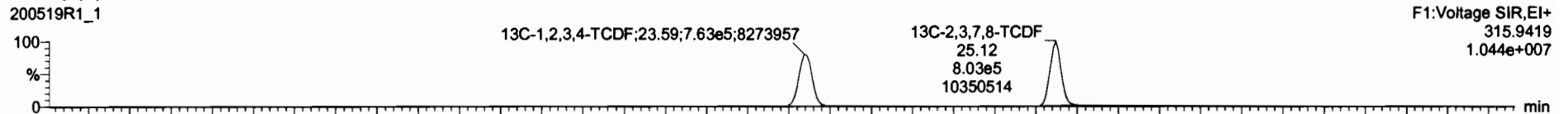
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Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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

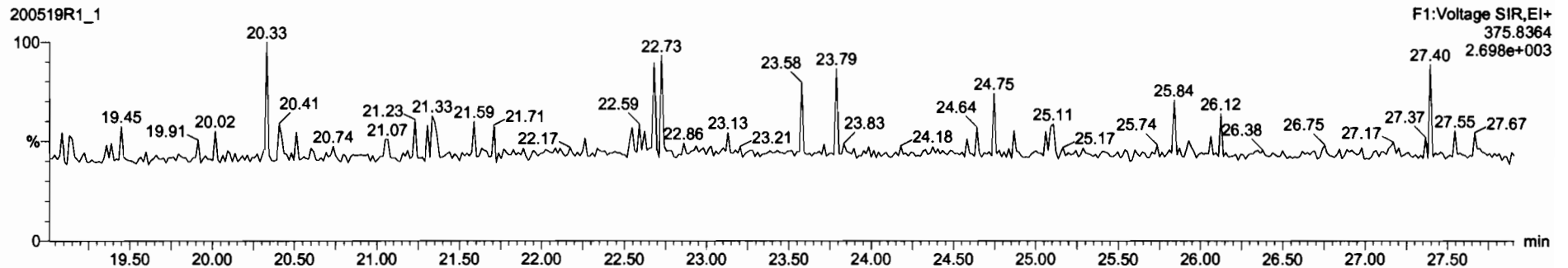
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

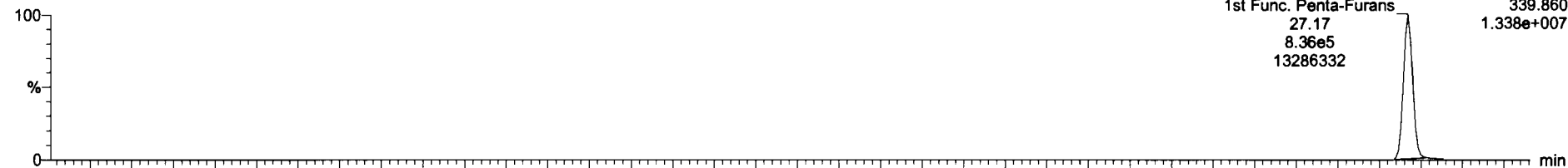
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Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

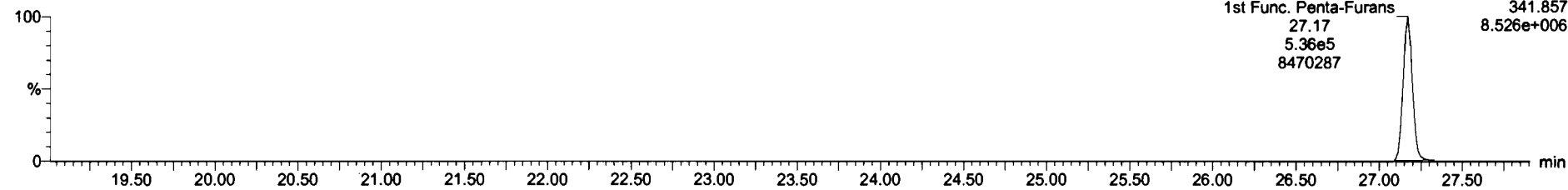
Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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200519R1_1

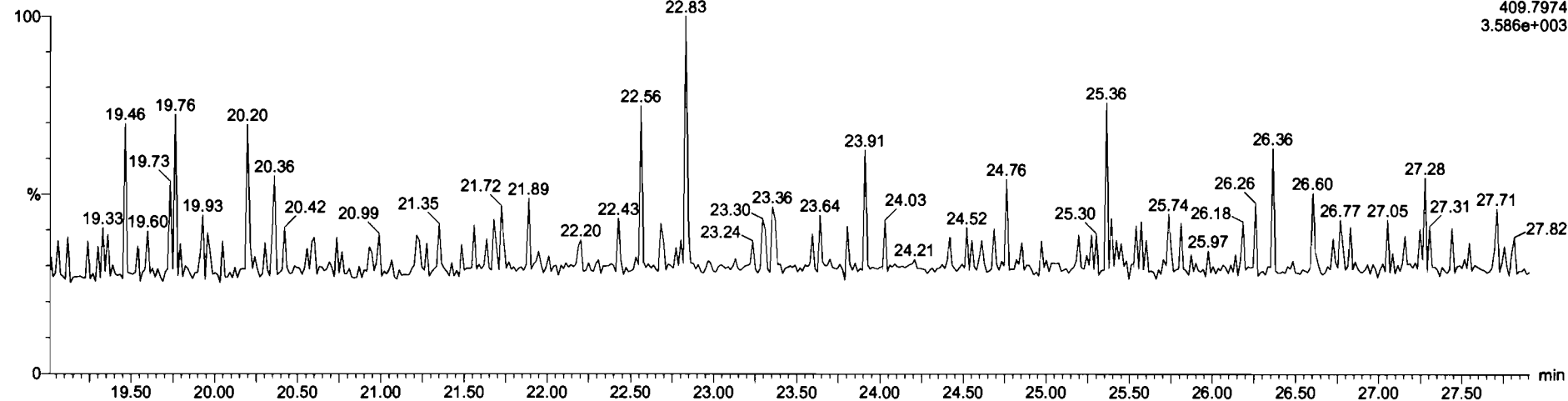


200519R1_1



DPE6

200519R1_1



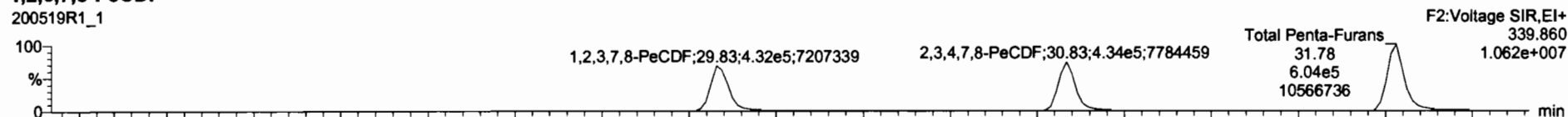
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Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

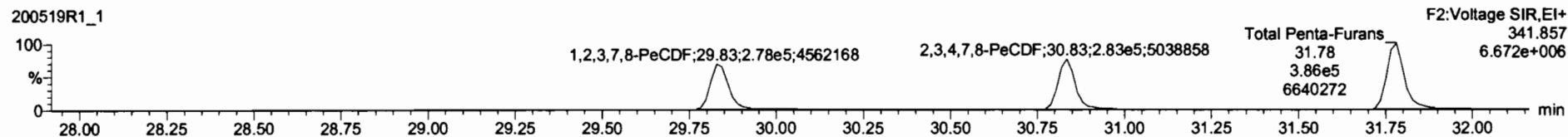
Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDF

200519R1_1

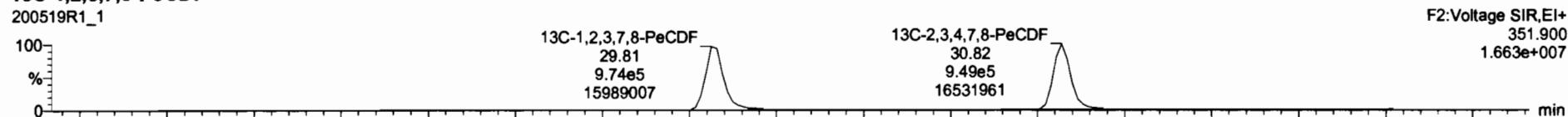


200519R1_1

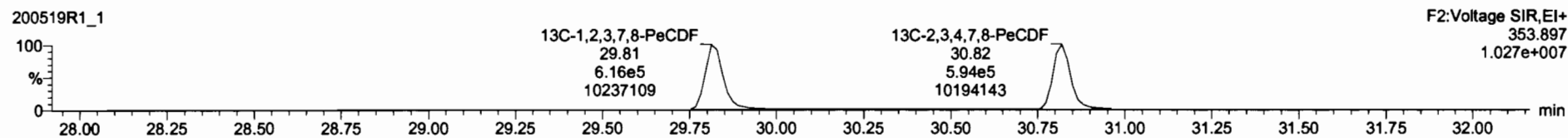


13C-1,2,3,7,8-PeCDF

200519R1_1

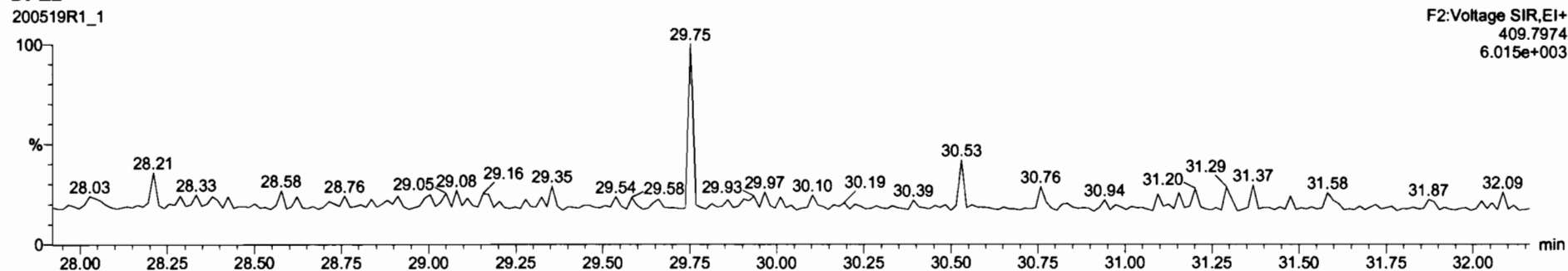


200519R1_1



DPE2

200519R1_1

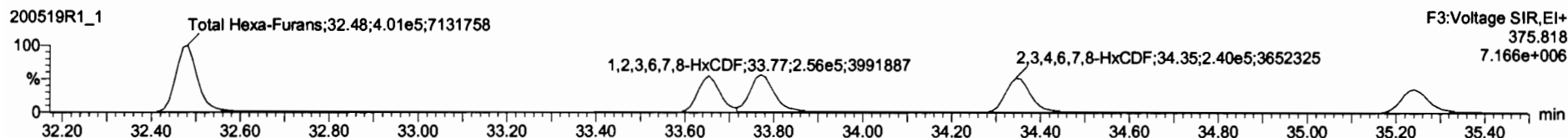
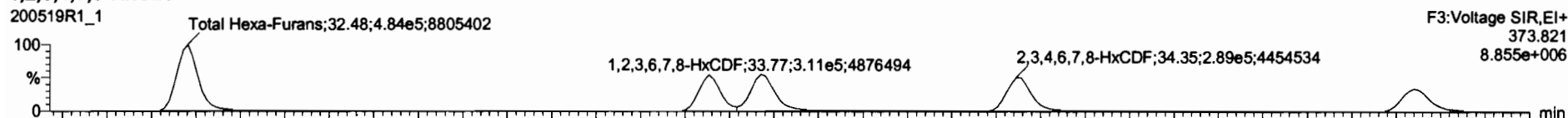


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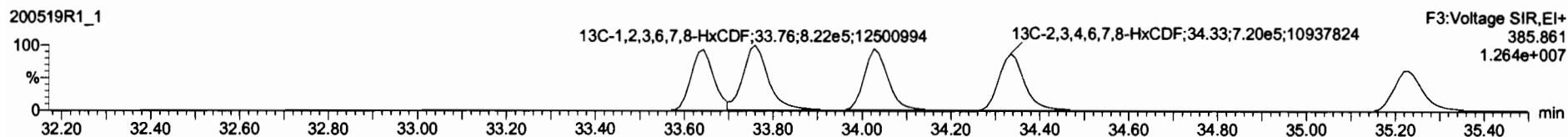
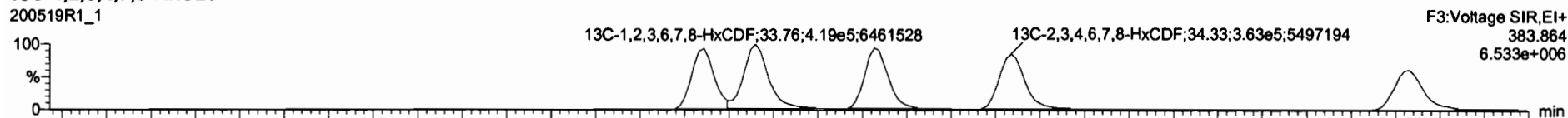
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Name: 200519R1_1, Date: 19-May-2020, Time: 08:37:57, ID: ST200519R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

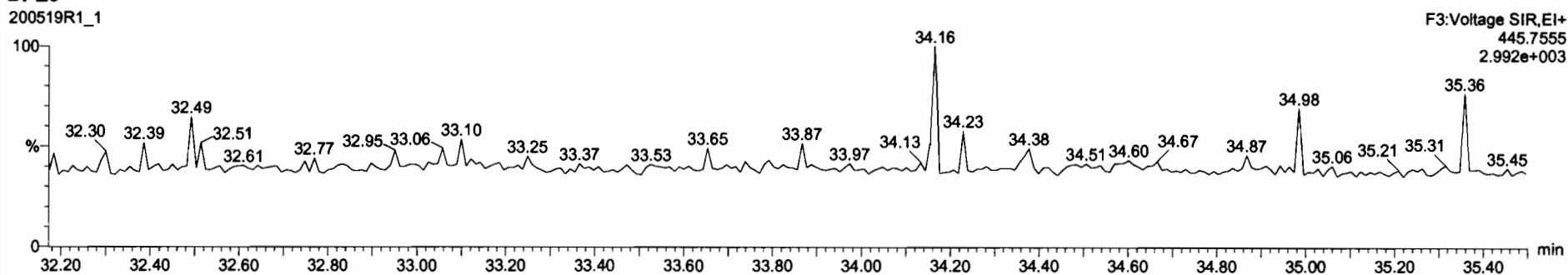
1,2,3,4,7,8-HxCDF



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

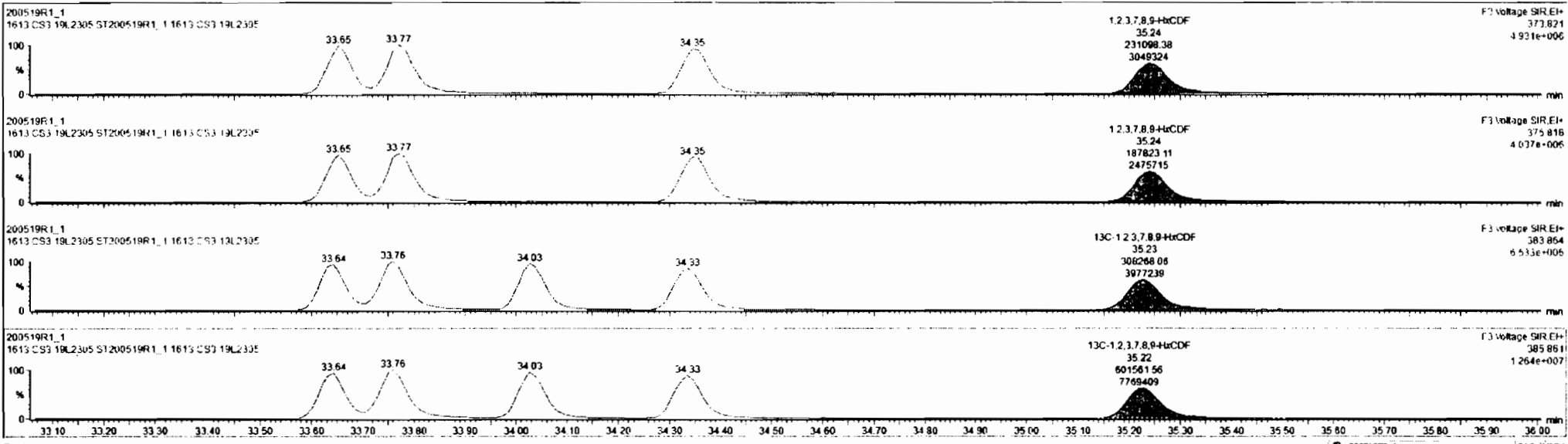


DPE3





#	Name	Resp	IS Resp	Prod RA	RA	inty	REF	Prod.RT	RT	RT Flag	Prod.RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	91.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.15e5	1.07e6	1.24	1.26	NO	0.9145	34.80	34.82	NO	1.000	1.001	46.7	92.4	NO
5	1,2,3,7,8,9-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9148	34.89	34.89	NO	1.000	1.000	48.3	96.5	NO
6	1,2,3,4,6,7,8-HpCDD	3.19e5	7.22e5	1.94	1.82	NO	0.9079	38.39	38.39	NO	1.000	1.000	49.1	98.3	NO
7	OCDD	6.48e5	1.38e6	0.89	0.88	NO	0.8335	41.36	41.38	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.76	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.59e6	1.55	1.56	NO	0.9182	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
10	1,2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9664	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
12	1,2,3,6,7,8-HxCDF	5.87e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	1,2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
15	1,2,3,4,7,8,9-HpCDF	3.14e5	5.80e5	1.04	1.05	NO	1.0116	38.97	38.90	NO	1.000	1.001	53.6	107	NO
16	OCDF	6.81e5	1.87e6	0.89	0.88	NO	0.8021	41.55	41.56	NO	1.000	1.000	102	102	NO
17	13C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
18	13C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.9472	31.14	31.12	NO	1.227	1.227	106	106	NO
19	13C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.26	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	92.9	NO
20	13C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9630	34.82	34.60	NO	1.017	1.017	101	101	NO

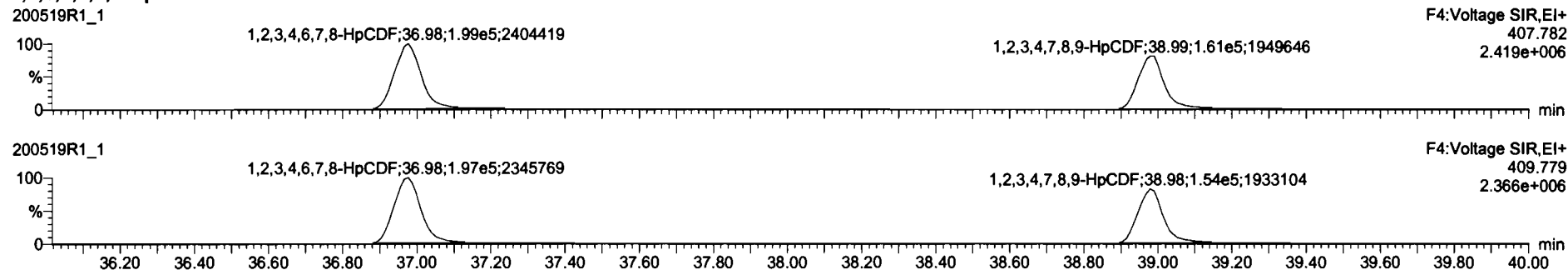


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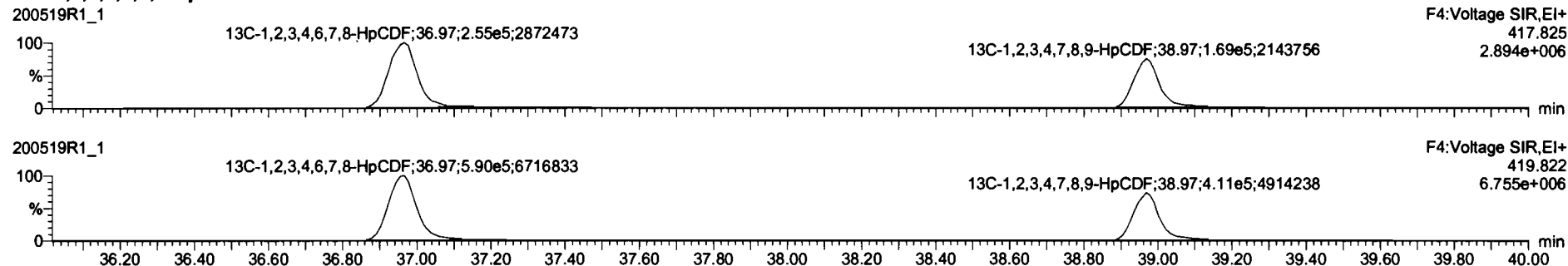
Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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

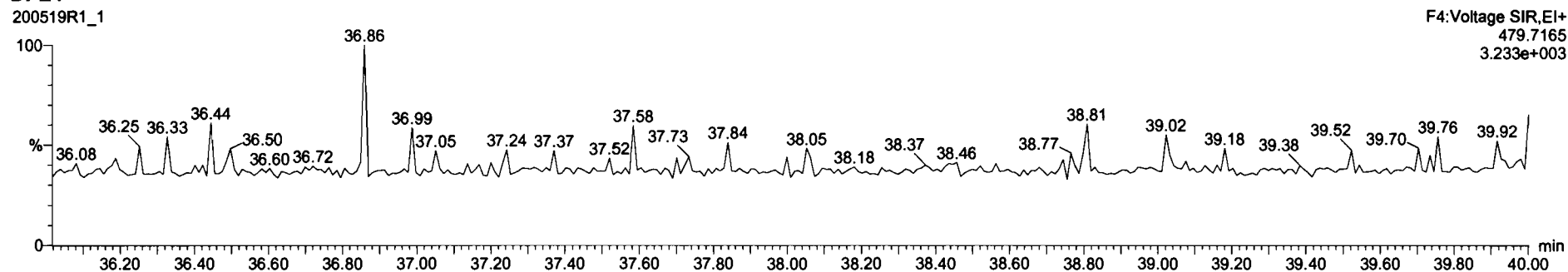
1,2,3,4,6,7,8-HpCDF



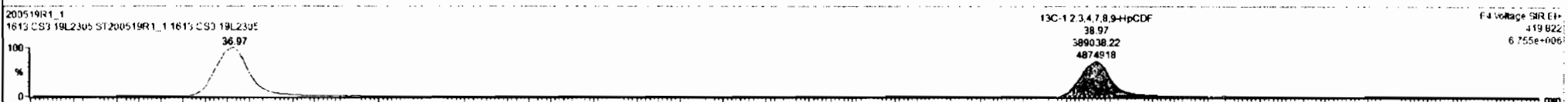
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DPE4



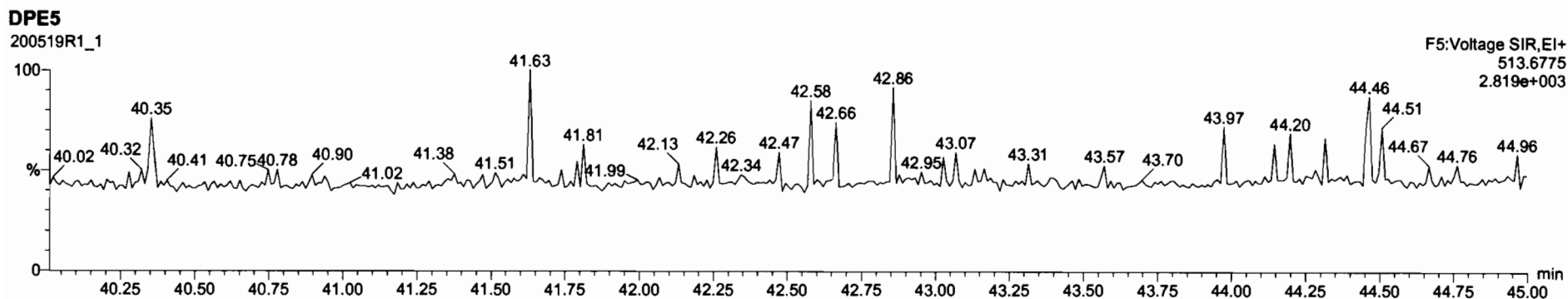
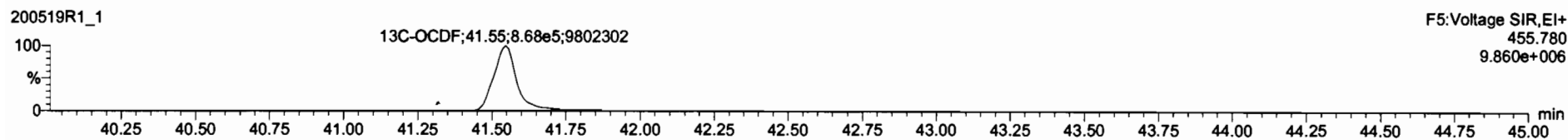
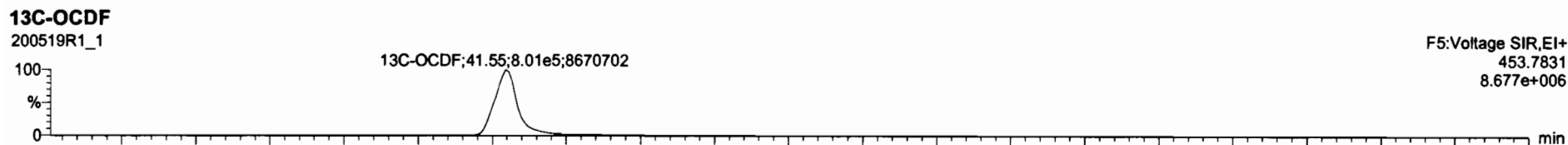
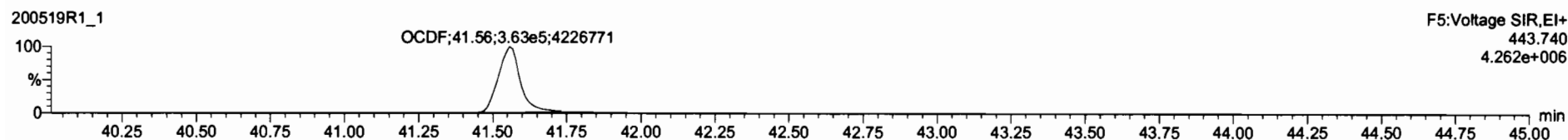
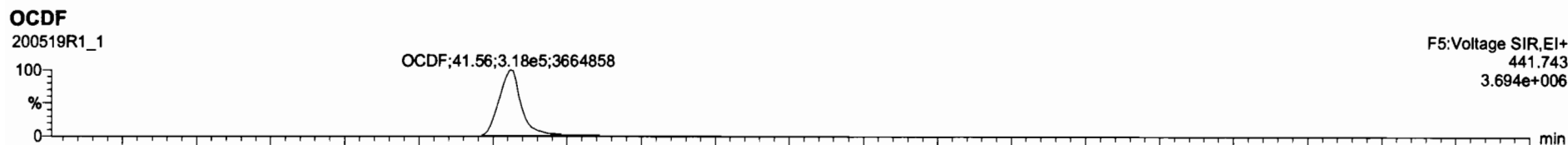
#	Name	Resp	S Ramp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD-out
1	1,2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.08	NO	1.001	1.001	9.16	91.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0541	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.55e5	1.07e6	1.24	1.26	NO	0.9145	34.80	34.62	NO	1.000	1.001	46.7	93.4	NO
5	1,2,3,7,8,9-HxCDD	3.51e5	8.84e5	1.24	1.26	NO	0.9149	34.89	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HpCDD	3.15e5	7.22e5	1.04	1.02	NO	0.8975	36.39	36.39	NO	1.000	1.000	49.1	98.3	NO
7	OCDD	6.46e5	1.38e6	0.89	0.88	NO	0.9335	41.36	41.38	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.76	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.56e6	1.55	1.56	NO	0.9102	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
10	2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9564	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.52e5	1.03e6	1.24	1.22	NO	0.8782	33.54	33.65	NO	1.000	1.000	54.1	106	NO
12	1,2,3,6,7,8-HxCDF	5.67e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,7,8,9-HxCDF	4.19e5	9.10e5	1.24	1.23	NO	0.9542	35.23	35.24	NO	1.000	1.000	53.3	107	NO
15	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	106	NO
16															
17	OCDF	6.81e5	1.67e6	0.89	0.88	NO	0.9821	41.55	41.56	NO	1.000	1.000	102	102	NO
18	13C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.05	NO	1.026	1.027	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.9472	31.14	31.12	NO	1.227	1.227	106	106	NO
20	13C-1,2,3,4,7,8-HxCDD	7.61e5	1.05e6	1.24	1.26	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	93.0	NO
21	13C-1,2,3,6,7,8-HxCDD	1.07e6	1.05e6	1.24	1.28	NO	0.9630	34.62	34.60	NO	1.017	1.017	101	101	NO



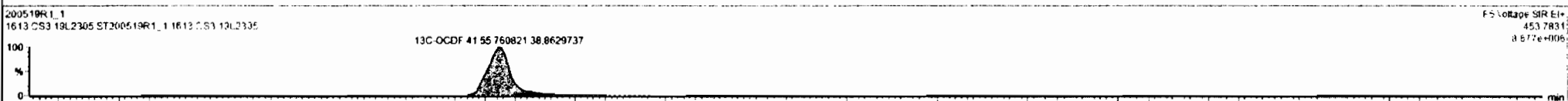
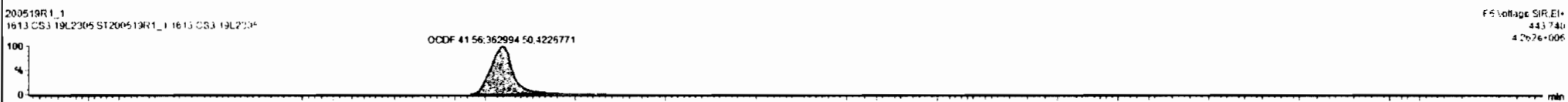
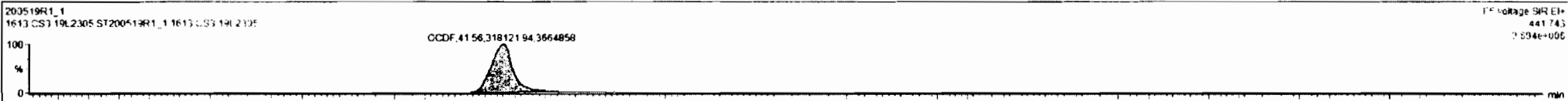
Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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



#	Name	Resp	IS Resp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.26e5	1.45e6	0.77	0.77	NO	0.9475	26.08	26.98	NO	1.001	1.001	9.16	51.6	NO
2	1,2,3,7,8-PeCDD	4.84e5	1.11e6	0.63	0.61	NO	0.9425	31.15	31.14	NO	1.001	1.000	46.4	92.9	NO
3	1,2,3,4,7,8-HxCDD	4.13e5	7.61e5	1.24	1.25	NO	1.0641	34.51	34.52	NO	1.000	1.001	51.0	102	NO
4	1,2,3,6,7,8-HxCDD	4.15e5	1.07e6	1.24	1.28	NO	0.9145	34.80	34.62	NO	1.000	1.001	46.7	53.4	NO
5	1,2,3,7,8,9-HxCDD	3.91e5	8.84e5	1.24	1.26	NO	0.9149	34.89	34.89	NO	1.000	1.000	48.3	96.6	NO
6	1,2,3,4,6,7,8-HpCDD	3.15e5	7.22e5	1.04	1.02	NO	0.8979	38.39	38.39	NO	1.000	1.000	49.1	98.3	NO
7	OCDD	6.48e5	1.38e6	0.89	0.88	NO	0.9335	41.38	41.38	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.42e5	1.85e6	0.77	0.75	NO	0.7871	25.15	25.14	NO	1.001	1.001	9.76	97.8	NO
9	1,2,3,7,8-PeCDF	7.10e5	1.55e6	1.55	1.56	NO	0.9102	29.83	29.83	NO	1.001	1.001	49.1	98.2	NO
10	2,3,4,7,8-PeCDF	7.16e5	1.54e6	1.55	1.53	NO	0.9664	30.85	30.83	NO	1.001	1.000	48.0	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.92e5	1.03e6	1.24	1.22	NO	0.8782	33.64	33.65	NO	1.000	1.000	54.1	108	NO
12	1,2,3,6,7,8-HxCDF	5.67e5	1.24e6	1.24	1.21	NO	0.8740	33.77	33.77	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	5.28e5	1.08e6	1.24	1.20	NO	0.9217	34.37	34.35	NO	1.001	1.000	52.9	106	NO
14	1,2,3,7,8,9-HxCDF	4.19e5	9.10e5	1.24	1.23	NO	0.8642	35.23	35.24	NO	1.000	1.000	53.3	107	NO
15	1,2,3,4,6,7,8-HpCDF	3.96e5	8.45e5	1.04	1.01	NO	0.8712	37.00	36.98	NO	1.001	1.000	53.9	108	NO
16	1,2,3,4,7,8,9-HpCDF	3.08e5	5.58e5	1.04	1.01	NO	1.0116	38.97	38.99	NO	1.000	1.001	54.6	109	NO
17															
18	13C-2,3,7,8-TCDD	1.45e6	1.23e6	0.77	0.77	NO	1.1595	26.05	26.95	NO	1.026	1.027	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.11e6	1.23e6	0.63	0.63	NO	0.8472	31.14	31.12	NO	1.227	1.227	106	106	NO
20	13C-1,2,3,4,7,8-HxCDD	7.61e5	1.09e6	1.24	1.28	NO	0.7499	34.51	34.49	NO	1.014	1.014	93.0	92.0	NO
21	13C-1,2,3,6,7,8-HxCDD	1.07e6	1.09e6	1.24	1.28	NO	0.9630	34.62	34.60	NO	1.017	1.017	101	101	NO

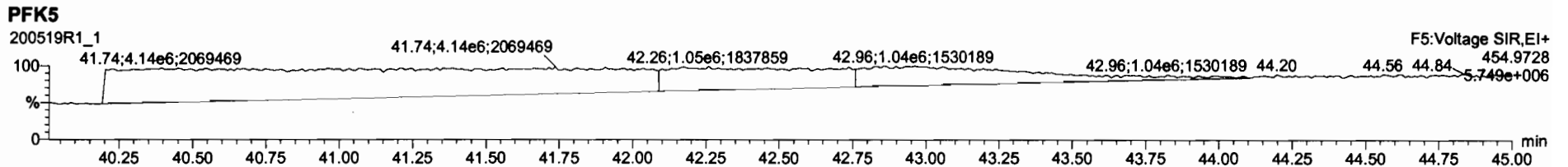
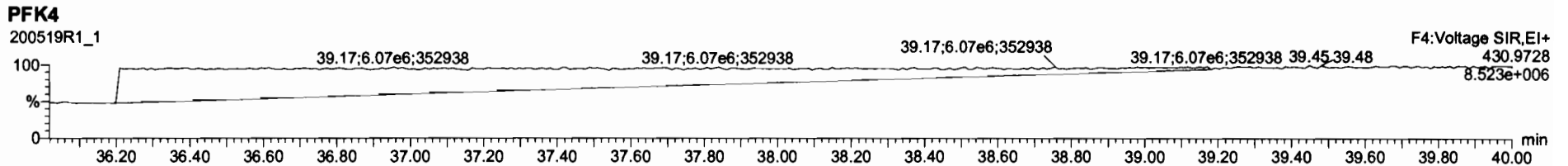
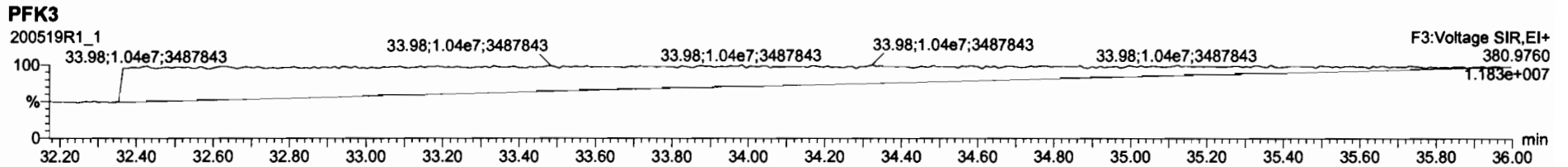
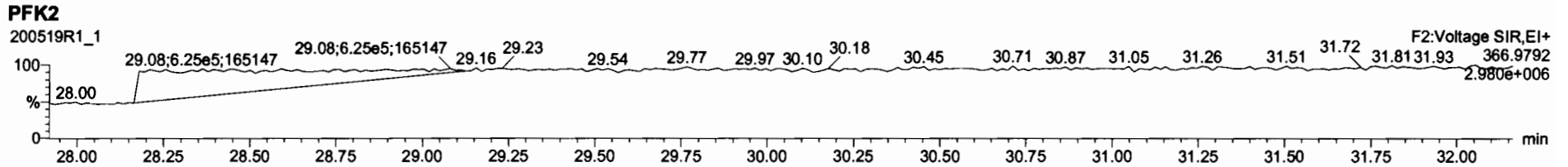
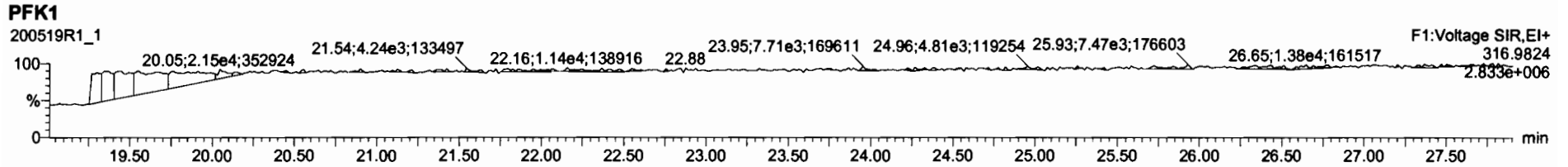


Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 09:28:04 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:28:51 Pacific Daylight Time

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



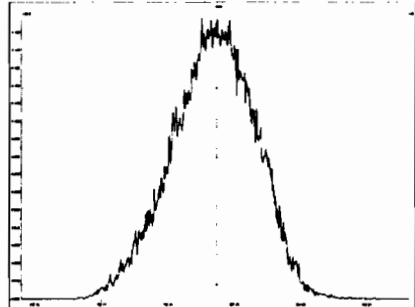
Experiment Calibration Report

MassLynx 4.1 SCN815

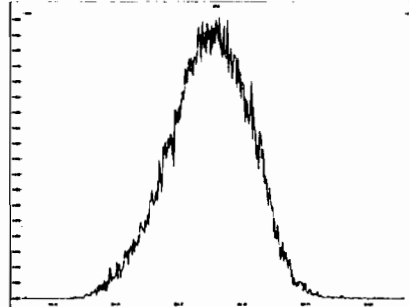
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:24:46 Pacific Daylight Time

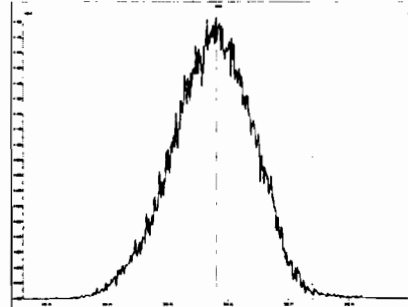
M 292.9824 R 10203



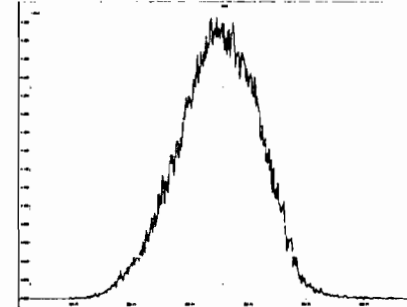
M 304.9824 R 10332



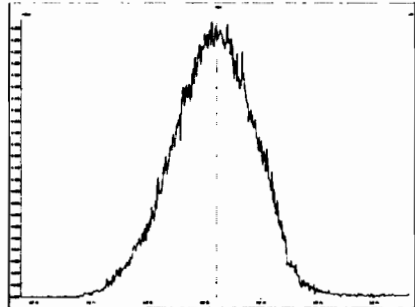
M 318.9792 R 10460



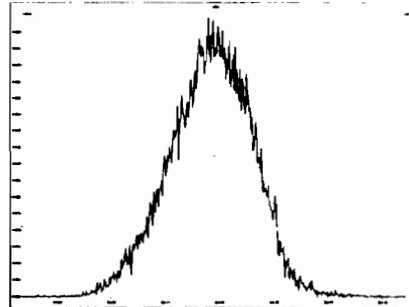
M 330.9792 R 10165



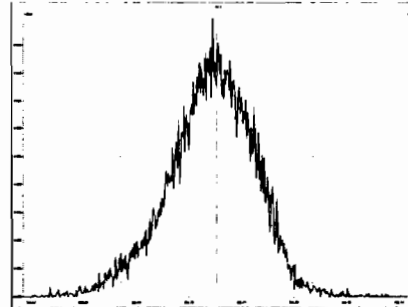
M 342.9792 R 10373



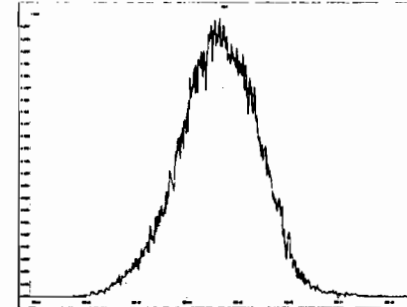
M 354.9792 R 10415



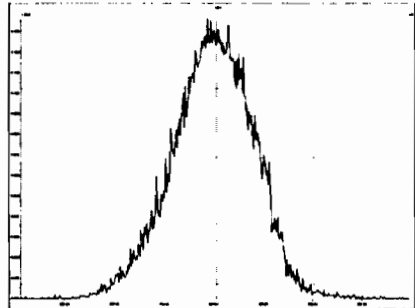
M 366.9792 R 10680



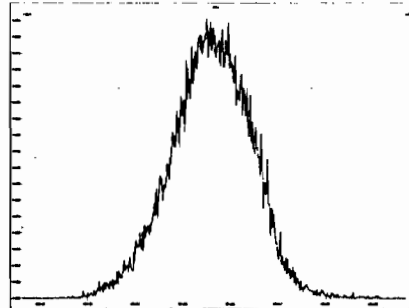
M 380.9760 R 10503



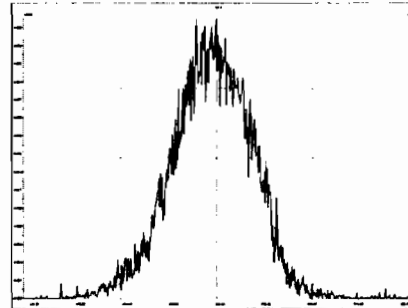
M 392.9760 R 10418



M 404.9760 R 10330



M 416.9760 R 11470



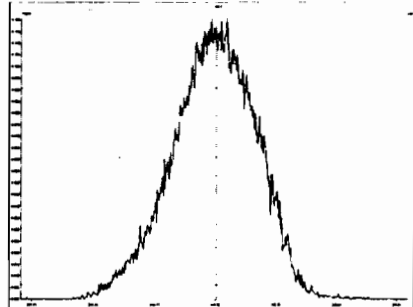
Experiment Calibration Report

MassLynx 4.1 SCN815

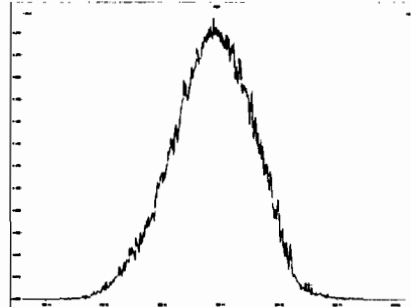
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:27:12 Pacific Daylight Time

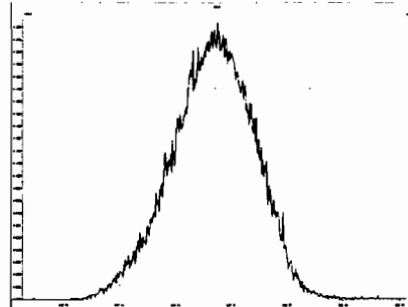
M 318.9792 R 10076



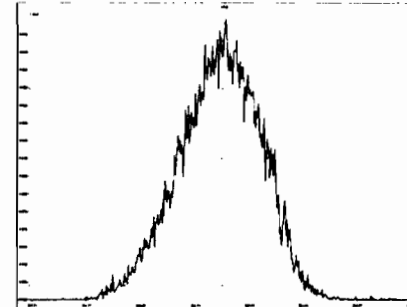
M 330.9792 R 10120



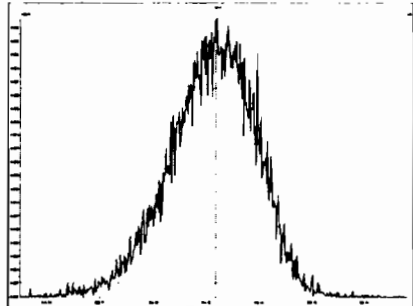
M 342.9792 R 10118



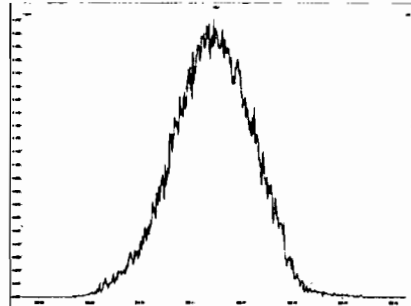
M 354.9792 R 10287



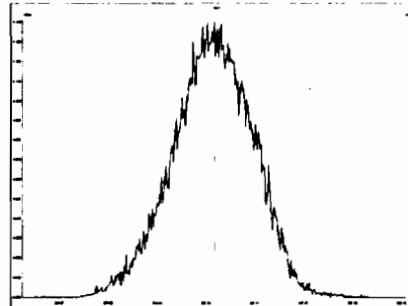
M 366.9792 R 10123



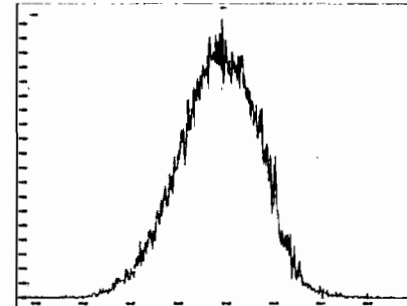
M 380.9760 R 10460



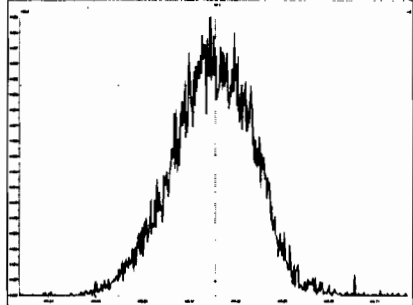
M 392.9760 R 10778



M 404.9760 R 10040



M 416.9760 R 10547



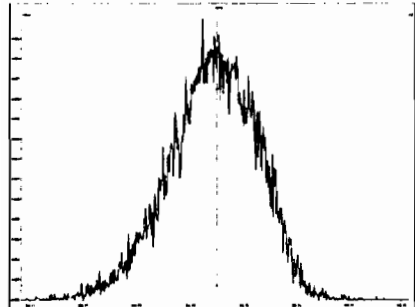
Experiment Calibration Report

MassLynx 4.1 SCN815

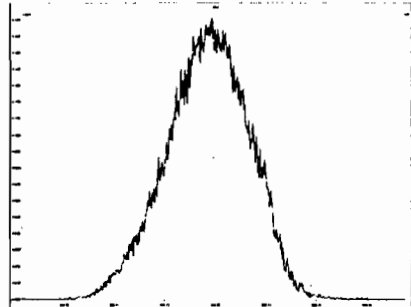
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:28:30 Pacific Daylight Time

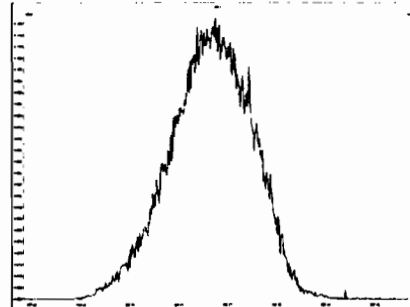
M 366.9792 R 10038



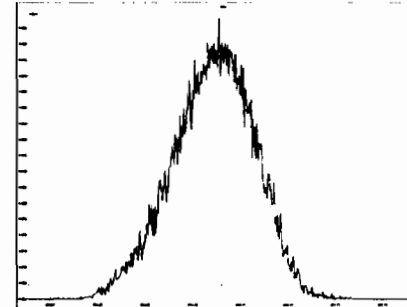
M 380.9760 R 10288



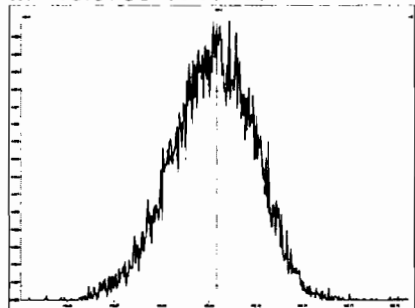
M 392.9760 R 10161



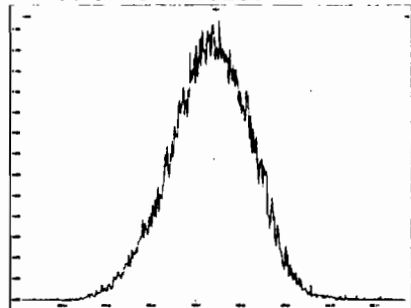
M 404.9760 R 10000



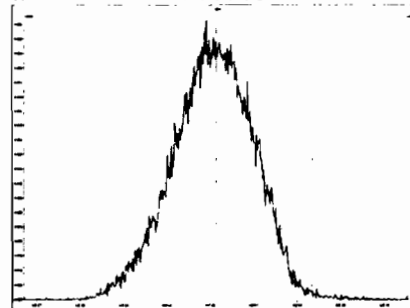
M 416.9760 R 10415



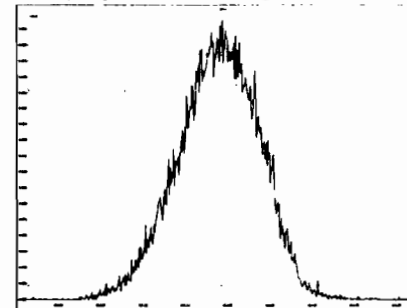
M 430.9728 R 10205



M 442.9728 R 11013



M 454.9728 R 10685



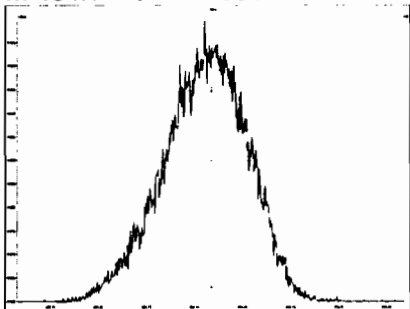
Experiment Calibration Report

MassLynx 4.1 SCN815

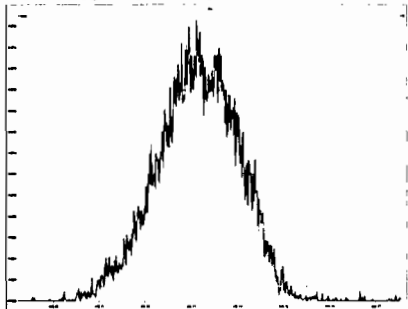
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:29:13 Pacific Daylight Time

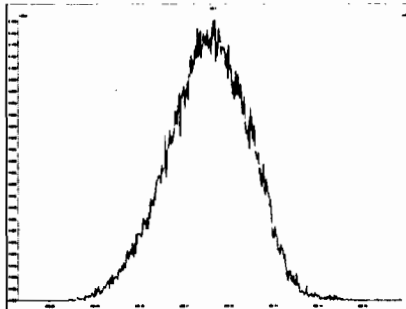
M 404.9760 R 10001



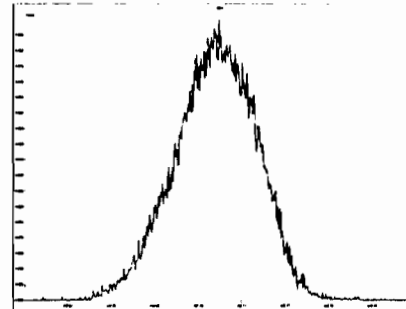
M 416.9760 R 10776



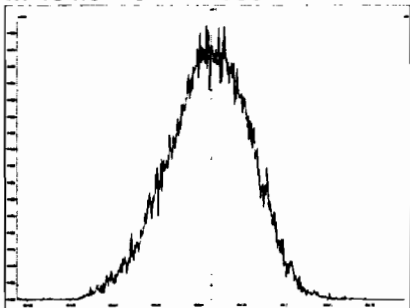
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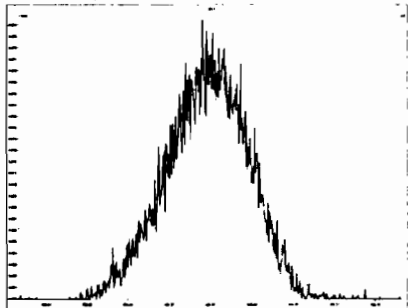
M 442.9728 R 10635



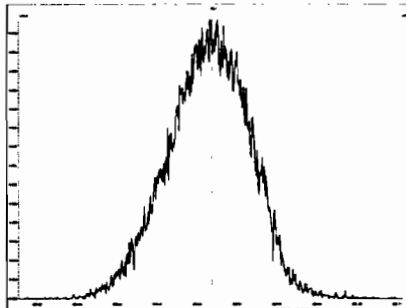
M 454.9728 R 10080



M 466.9728 R 10418



M 480.9696 R 10869



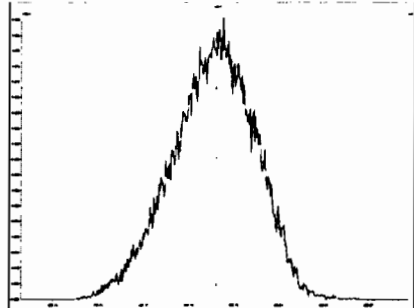
Experiment Calibration Report

MassLynx 4.1 SCN815

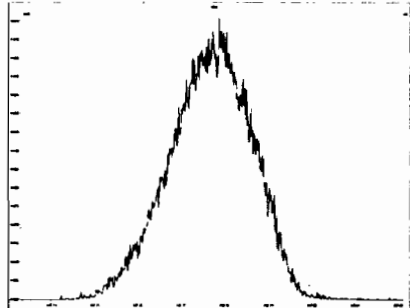
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Printed: Tuesday, May 19, 2020 13:29:58 Pacific Daylight Time

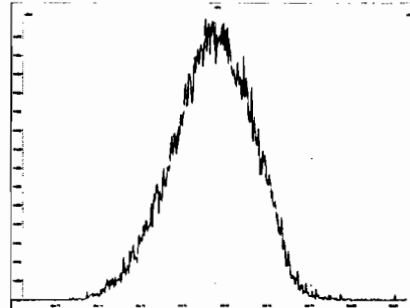
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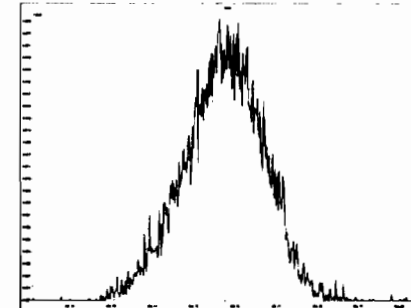
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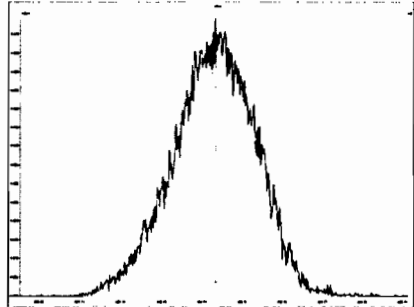
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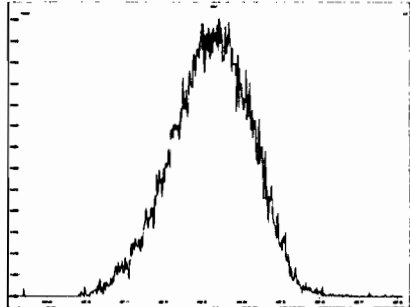
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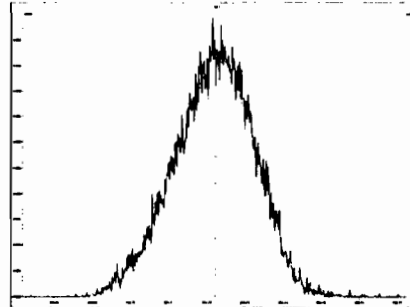
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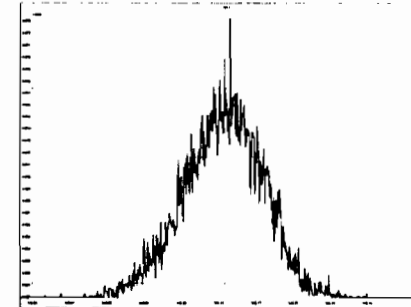
M 492.9696 R 10417



M 504.9696 R 10459



M 516.9697 R 11357



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

1
Beg. Calibration ID: ST20060721-1

Reviewed By: C7 06/09/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox"/> NA	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input type="checkbox"/> NA	
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:		
Correct ICAL referenced?	<u>Geo</u>	<u> </u>			
<u>Run Log:</u>					
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> <u> </u>			
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N			
- Bottle position verified?	<u> </u> <u>GRB</u>				

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-1.qld

Last Altered: Sunday, June 07, 2020 09:39:03 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:39:27 Pacific Daylight Time

GRB 06/07/2020

C7 06/08/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\vb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	2,3,7,8-TCDD	5.92e4	6.74e5	0.78	NO	0.888	26.47	26.45	NO	1.001	1.001	9.8933	98.9	NO
2	1,2,3,7,8-PeCDD	1.96e5	4.64e5	0.59	NO	0.908	31.44	31.44	NO	1.001	1.000	46.546	93.1	NO
3	1,2,3,4,7,8-HxCDD	1.39e5	2.84e5	1.23	NO	1.03	34.80	34.80	NO	1.000	1.000	47.415	94.8	NO
4	1,2,3,6,7,8-HxCDD	1.87e5	4.36e5	1.15	NO	0.892	34.90	34.91	NO	1.000	1.000	48.082	96.2	NO
5	1,2,3,7,8,9-HxCDD	1.35e5	3.22e5	1.23	NO	0.887	35.19	35.20	NO	1.000	1.001	47.141	94.3	NO
6	1,2,3,4,6,7,8-HpCDD	9.94e4	2.31e5	1.01	NO	0.864	38.72	38.73	NO	1.000	1.001	49.864	99.7	NO
7	OCDD	2.03e5	4.41e5	0.87	NO	0.914	41.68	41.70	NO	1.000	1.000	100.98	101	NO
8	2,3,7,8-TCDF	6.37e4	8.78e5	0.76	NO	0.751	25.57	25.56	NO	1.001	1.001	9.6613	96.6	NO
9	1,2,3,7,8-PeCDF	3.10e5	7.10e5	1.58	NO	0.893	30.16	30.14	NO	1.001	1.000	48.851	97.7	NO
10	2,3,4,7,8-PeCDF	2.98e5	6.84e5	1.54	NO	0.935	31.15	31.13	NO	1.001	1.000	46.637	93.3	NO
11	1,2,3,4,7,8-HxCDF	1.69e5	3.80e5	1.22	NO	0.884	33.92	33.93	NO	1.000	1.000	50.293	101	NO
12	1,2,3,6,7,8-HxCDF	2.33e5	4.96e5	1.22	NO	0.889	34.05	34.06	NO	1.000	1.001	52.949	106	NO
13	2,3,4,6,7,8-HxCDF	1.93e5	4.13e5	1.22	NO	0.934	34.66	34.64	NO	1.001	1.001	50.070	100	NO
14	1,2,3,7,8,9-HxCDF	1.33e5	3.11e5	1.22	NO	0.871	35.54	35.55	NO	1.000	1.000	49.319	98.6	NO
15	1,2,3,4,6,7,8-HpCDF	1.27e5	2.89e5	1.01	NO	0.873	37.34	37.32	NO	1.001	1.000	50.417	101	NO
16	1,2,3,4,7,8,9-HpCDF	9.69e4	1.91e5	0.99	NO	1.01	39.28	39.28	NO	1.000	1.000	50.167	100	NO
17	OCDF	2.29e5	5.57e5	0.86	NO	0.806	41.88	41.90	NO	1.000	1.001	102.05	102	NO
18	13C-2,3,7,8-TCDD	6.74e5	5.94e5	0.77	NO	1.16	26.46	26.44	NO	1.026	1.026	98.120	98.1	NO
19	13C-1,2,3,7,8-PeCDD	4.64e5	5.94e5	0.61	NO	0.849	31.64	31.42	NO	1.227	1.219	92.056	92.1	NO
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.18e5	1.27	NO	0.779	34.80	34.79	NO	1.014	1.014	87.078	87.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.36e5	4.18e5	1.24	NO	1.02	34.91	34.90	NO	1.017	1.017	102.40	102	NO
22	13C-1,2,3,7,8,9-HxCDD	3.22e5	4.18e5	1.22	NO	0.903	35.18	35.18	NO	1.025	1.025	85.196	85.2	NO
23	13C-1,2,3,4,6,7,8-HpCDD	2.31e5	4.18e5	1.02	NO	0.889	38.70	38.71	NO	1.128	1.128	80.060	80.1	NO
24	13C-OCDD	4.41e5	4.18e5	0.92	NO	0.852	41.72	41.68	NO	1.216	1.215	161.62	80.8	NO
25	13C-2,3,7,8-TCDF	8.78e5	8.66e5	0.77	NO	1.06	25.50	25.54	NO	0.989	0.991	95.788	95.8	NO
26	13C-1,2,3,7,8-PeCDF	7.10e5	8.66e5	1.52	NO	0.838	30.02	30.14	NO	1.165	1.169	97.896	97.9	NO
27	13C-2,3,4,7,8-PeCDF	6.84e5	8.66e5	1.54	NO	0.817	30.97	31.11	NO	1.202	1.207	96.778	96.8	NO
28	13C-1,2,3,4,7,8-HxCDF	3.80e5	4.18e5	0.50	NO	1.01	33.93	33.92	NO	0.989	0.989	90.186	90.2	NO
29	13C-1,2,3,6,7,8-HxCDF	4.96e5	4.18e5	0.51	NO	1.17	34.05	34.04	NO	0.992	0.992	101.52	102	NO
30	13C-2,3,4,6,7,8-HxCDF	4.13e5	4.18e5	0.50	NO	1.02	34.63	34.62	NO	1.009	1.009	96.479	96.5	NO
31	13C-1,2,3,7,8,9-HxCDF	3.11e5	4.18e5	0.50	NO	0.860	35.53	35.54	NO	1.035	1.036	86.347	86.3	NO

Dataset: U:\VG12.PRO\Results\200607R1\200607R1-1.qld

Last Altered: Sunday, June 07, 2020 09:39:03 Pacific Daylight Time

Printed: Sunday, June 07, 2020 09:39:27 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

32	13C-1,2,3,4,6,7,8-HpCDF	2.89e5	4.18e5	0.44	NO	0.774	37.27	37.31	NO	1.086	1.087	89.226	89.2	NO
33	13C-1,2,3,4,7,8,9-HpCDF	1.91e5	4.18e5	0.42	NO	0.521	39.30	39.28	NO	1.145	1.145	67.502	67.5	NO
34	13C-OCDF	5.57e5	4.18e5	0.87	NO	0.746	41.89	41.88	NO	1.221	1.220	178.58	89.3	NO
35	37Cl-2,3,7,8-TCDD	6.10e4	5.94e5			1.04	26.49	26.45	NO	1.028	1.028	9.9164	99.2	NO
36	13C-1,2,3,4-TCDD	5.94e5	5.94e5	0.80	NO	1.00	25.89	25.78	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	8.66e5	8.66e5	0.78	NO	1.00	24.36	24.09	NO	1.000	1.000	100.00	100	YES <i>of</i>
38	13C-1,2,3,4,6,9-HxCDF	4.18e5	4.18e5	0.50	NO	1.00	34.42	34.31	NO	1.000	1.000	100.00	100	YES <i>of</i>

Dataset: Untitled

Last Altered: Monday, June 08, 2020 07:18:52 Pacific Daylight Time
Printed: Monday, June 08, 2020 07:19:25 Pacific Daylight Time

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

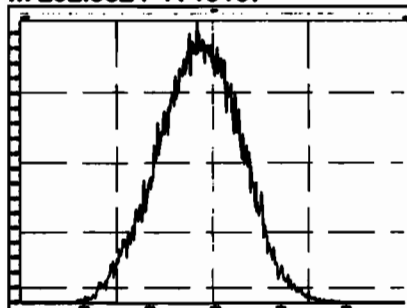
Compound name: 2,3,7,8-TCDD

200607R1_1	ST200607R1_1 1613 CS3 19L2305	07-Jun-20	08:40:46
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200607R1_3	2001005-01 PDI-164SC-A-00-01-200426 10.86	07-Jun-20	10:15:40
200607R1_4	B0E0107-DUP1 Duplicate 10.86	07-Jun-20	11:01:51
200607R1_5	2001005-02 PDI-164SC-A-01-02-200426 11.03	07-Jun-20	11:48:04
200607R1_6	2001005-03 PDI-164SC-A-02-03-200426 11.1	07-Jun-20	12:34:16
200607R1_7	2001005-04 PDI-164SC-A-03-04-200426 11.6	07-Jun-20	13:20:26
200607R1_8	2001005-05 PDI-164SC-A-04-05-200426 11.6	07-Jun-20	14:06:38
200607R1_9	2001005-06 PDI-164SC-A-05-06-200426 10.95	07-Jun-20	14:52:50
200607R1_10	2001005-07 PDI-164SC-A-06-07-200426 11.24	07-Jun-20	15:39:00
200607R1_11	2001005-08 PDI-164SC-A-07-08-200426 13.9	07-Jun-20	16:25:14
200607R1_12	2001007-01 PDI-058SC-A-08-09-200505 16.85	07-Jun-20	17:11:26
200607R1_13	2001007-02 PDI-058SC-A-09-10-200505 16.58	07-Jun-20	17:57:37
200607R1_14	B0E0107-DUP2 Duplicate 16.48	07-Jun-20	18:43:49
200607R1_15	2001007-03 PDI-058SC-A-10-10.9-200505 16....	07-Jun-20	19:30:01
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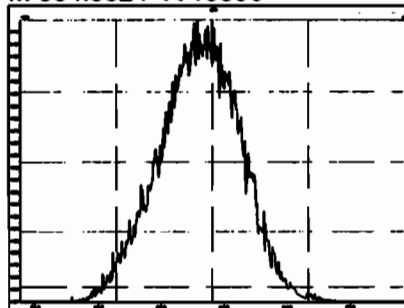
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Sunday, June 07, 2020 08:35:49 Pacific Daylight Time

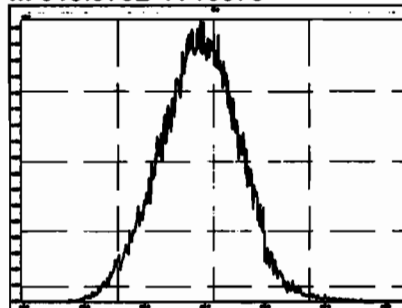
M 292.9824 R 10167



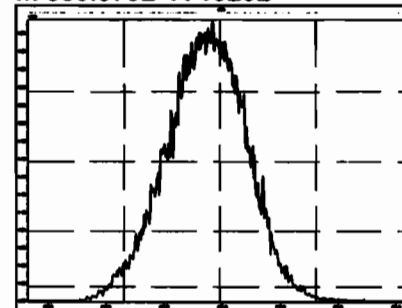
M 304.9824 R 10506



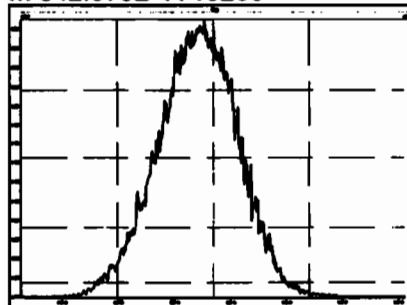
M 318.9792 R 10373



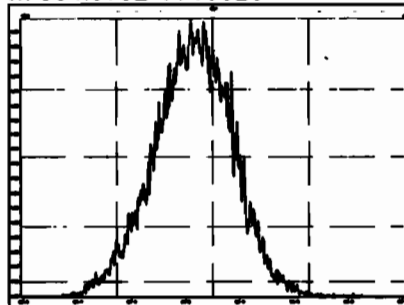
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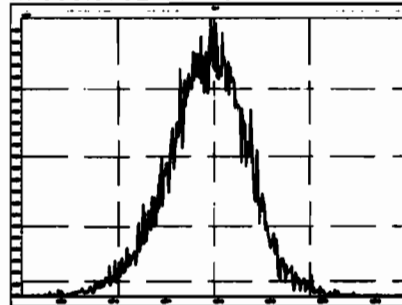
M 342.9792 R 10288



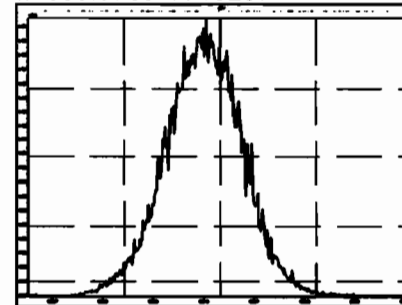
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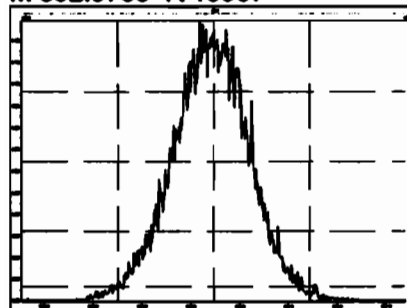
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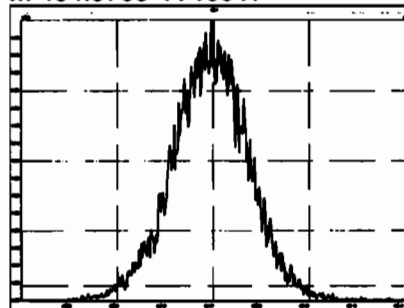
M 380.9760 R 10287



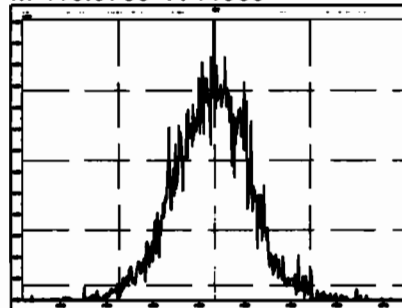
M 392.9760 R 10967



M 404.9760 R 10917



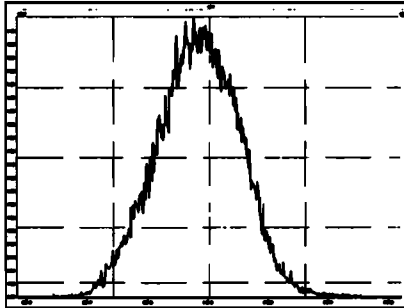
M 416.9760 R 11060



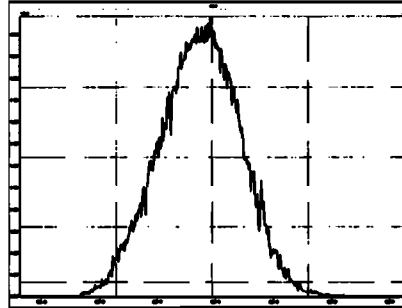
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Sunday, June 07, 2020 08:36:28 Pacific Daylight Time

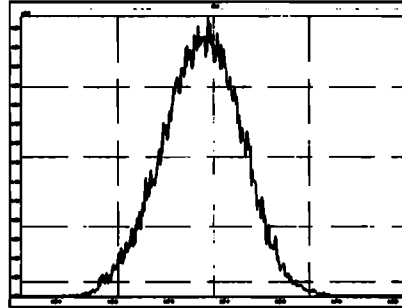
M 318.9792 R 10163



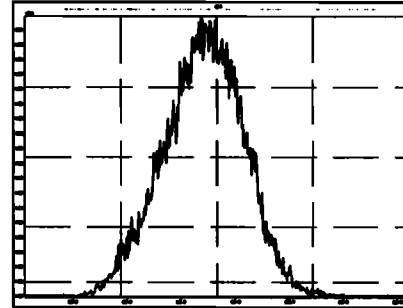
M 330.9792 R 10329



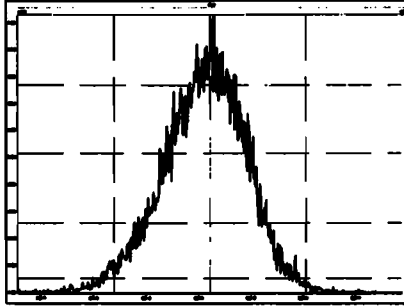
M 342.9792 R 10461



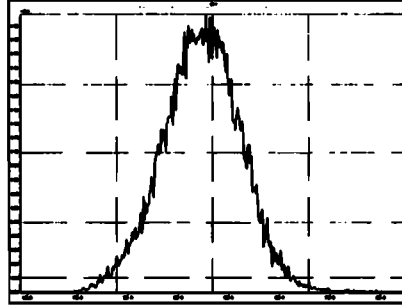
M 354.9792 R 10245



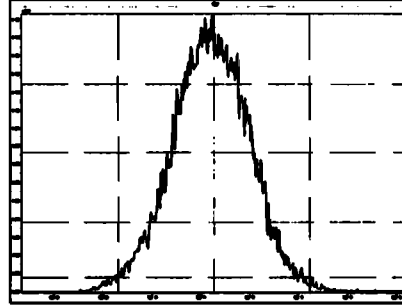
M 366.9792 R 10206



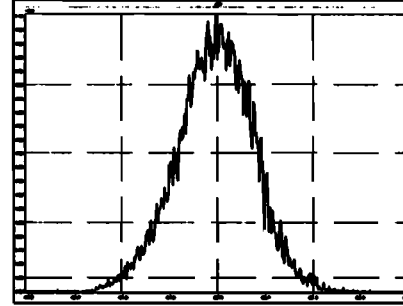
M 380.9760 R 10288



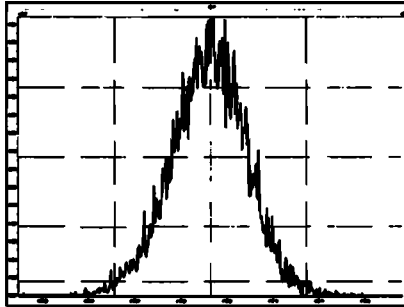
M 392.9760 R 10915



M 404.9760 R 11058



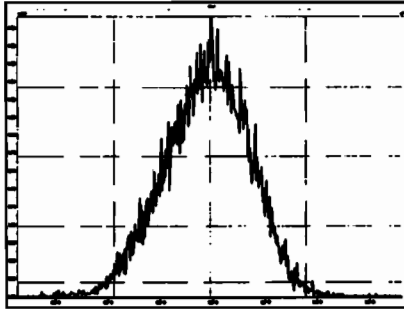
M 416.9760 R 11159



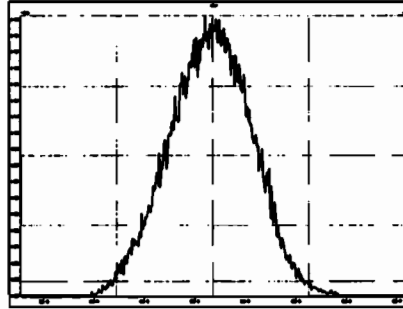
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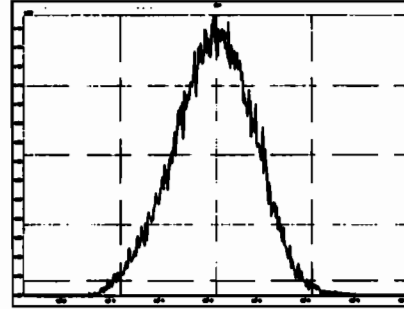
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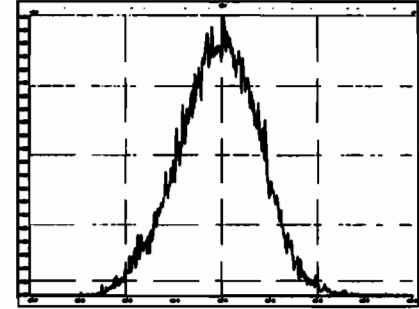
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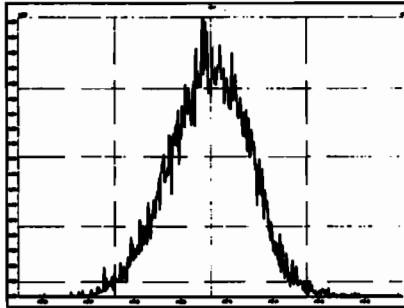
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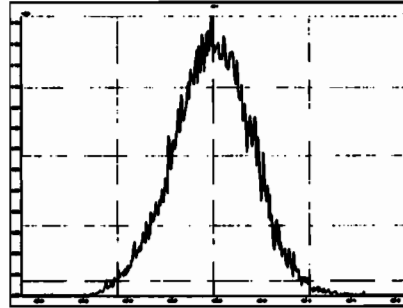
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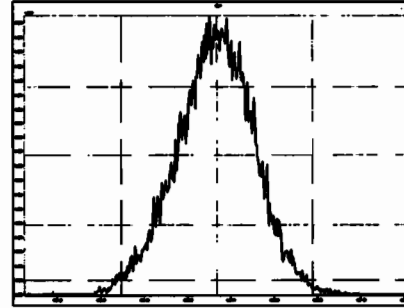
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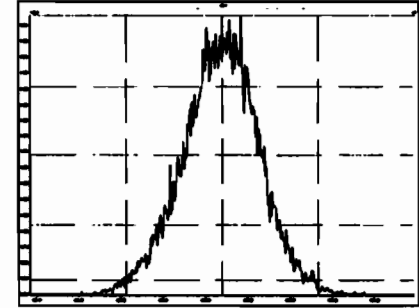
M 430.9728 R 10247



M 442.9728 R 10162



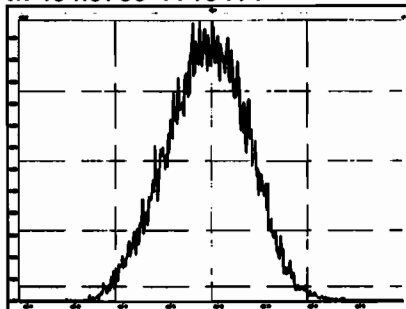
M 454.9728 R 10963



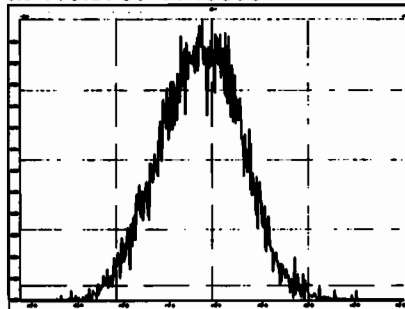
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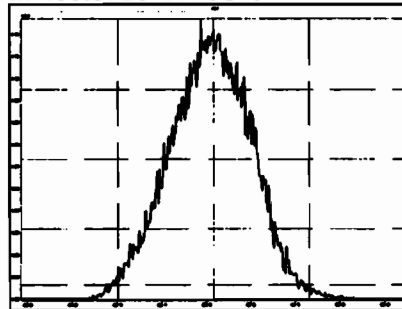
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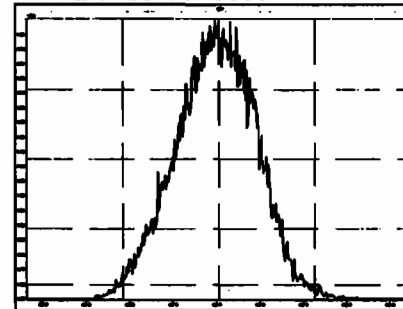
M 416.9760 R 10593



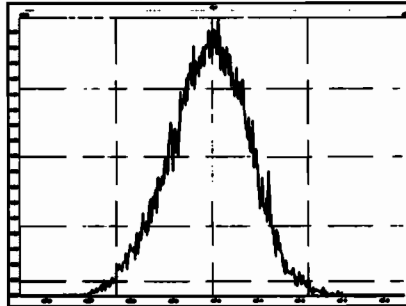
M 430.9728 R 10248



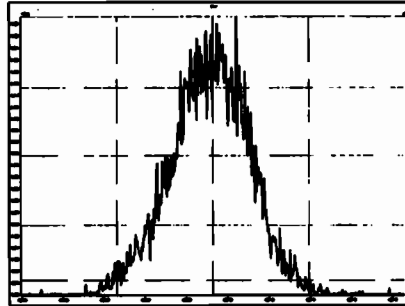
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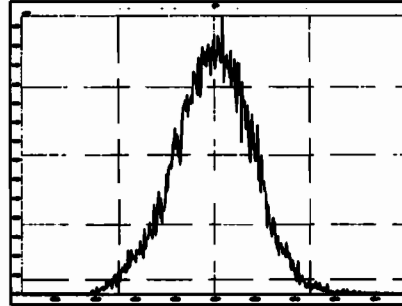
M 454.9728 R 10416



M 466.9728 R 10918



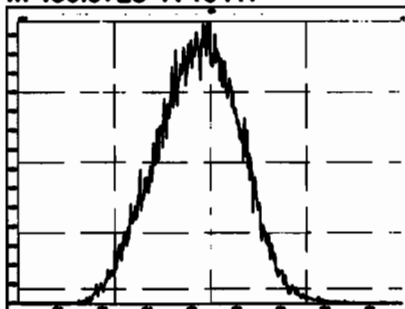
M 480.9696 R 10684



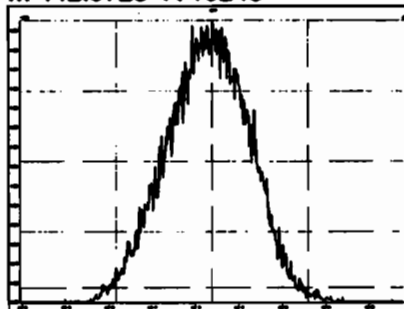
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Printed: Sunday, June 07, 2020 08:38:44 Pacific Daylight Time

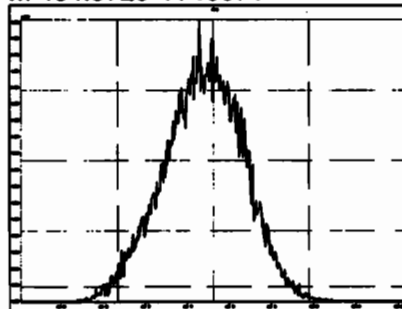
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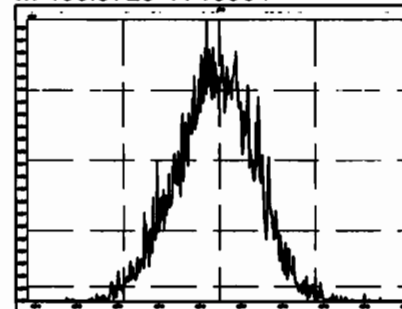
M 442.9728 R 10245



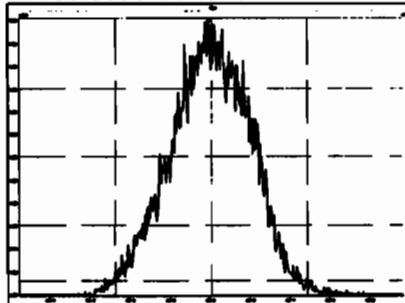
M 454.9728 R 10371



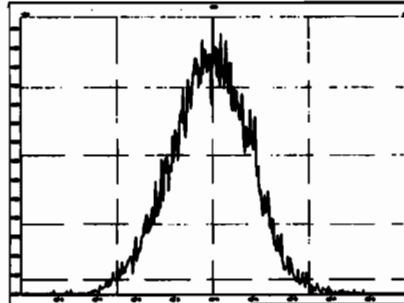
M 466.9728 R 10964



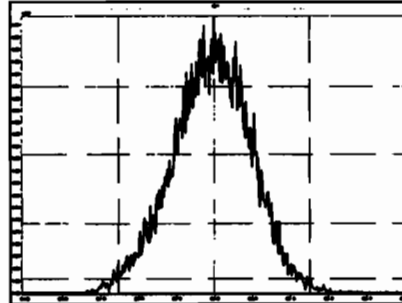
M 480.9696 R 10161



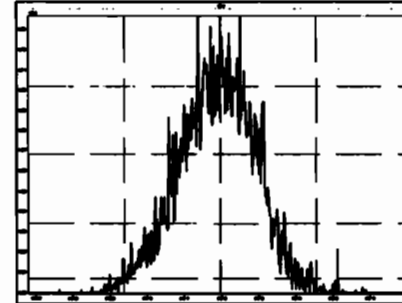
M 492.9696 R 10204



M 504.9696 R 10287



M 516.9697 R 11112



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 09:27:58 Pacific Daylight Time

Printed: Sunday, June 07, 2020 09:28:17 Pacific Daylight Time

Method: U:\VG12.PROMethDB\CPSM.mdb 26 May 2020 10:39:11

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

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	27.43
3	1,2,4,7,9-PeCDD (First)	29.21
4	1,2,3,8,9-PeCDD (Last)	31.82
5	1,2,4,6,7,9-HxCDD (First)	33.30
6	1,2,3,7,8,9-HxCDD (Last)	35.20
7	1,2,3,4,6,7,9-HpCDD (First)	37.71
8	1,2,3,4,6,7,8-HpCDD (Last)	38.73
9	1,3,6,8-TCDF (First)	20.27
10	1,2,8,9-TCDF (Last)	27.58
11	1,3,4,6,8-PeCDF (First)	27.53
12	1,2,3,8,9-PeCDF (Last)	32.06
13	1,2,3,4,6,8-HxCDF (First)	32.75
14	1,2,3,7,8,9-HxCDF (Last)	35.55
15	1,2,3,4,6,7,8-HpCDF (First)	37.32
16	1,2,3,4,7,8,9-HpCDF (Last)	39.28

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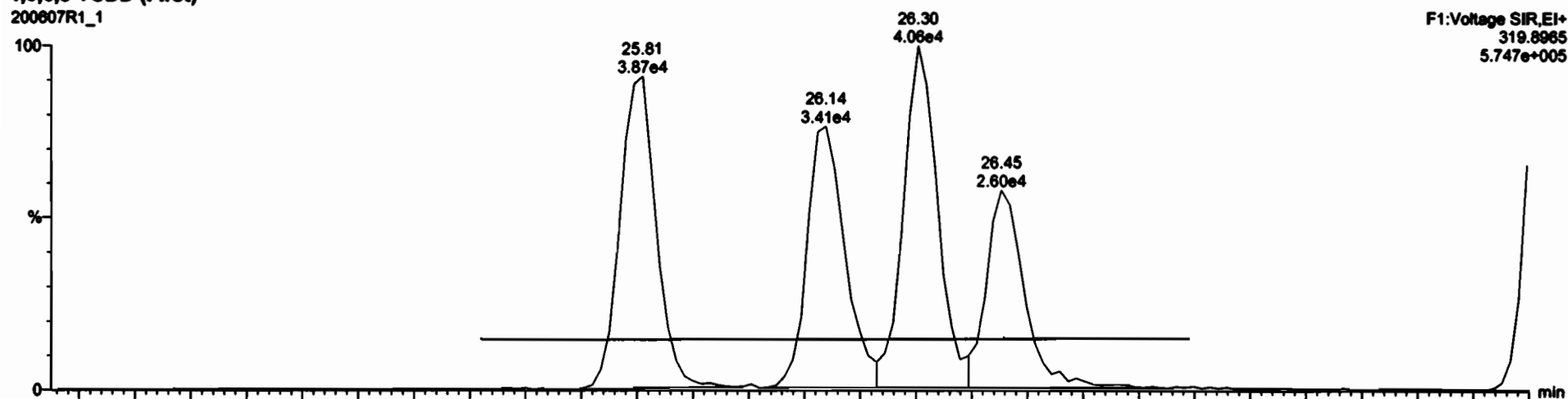
GLE 06/07/2020

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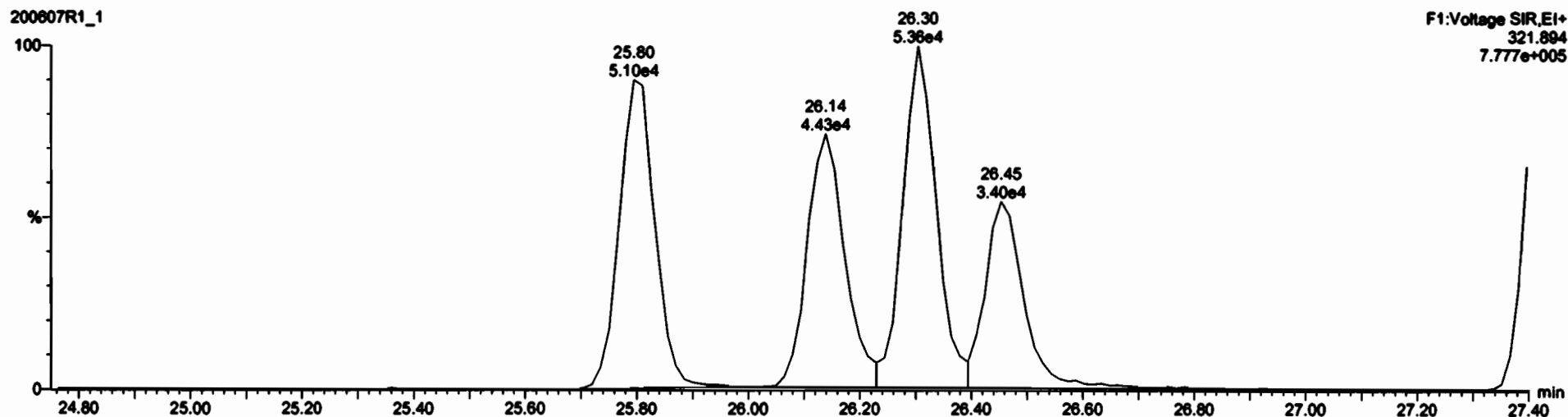
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200607R1_1



200607R1_1



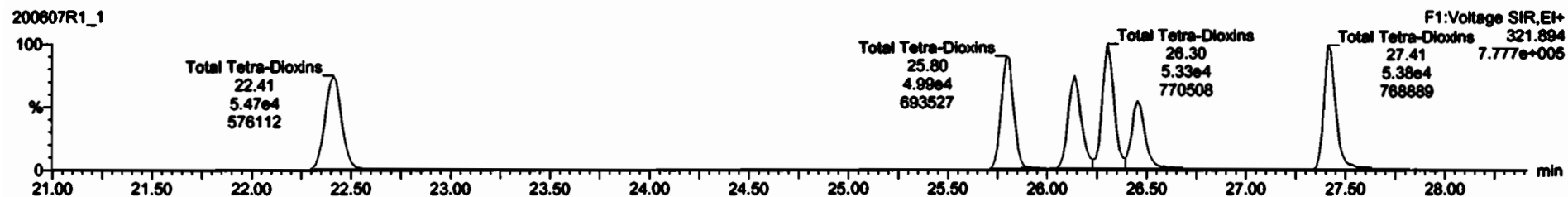
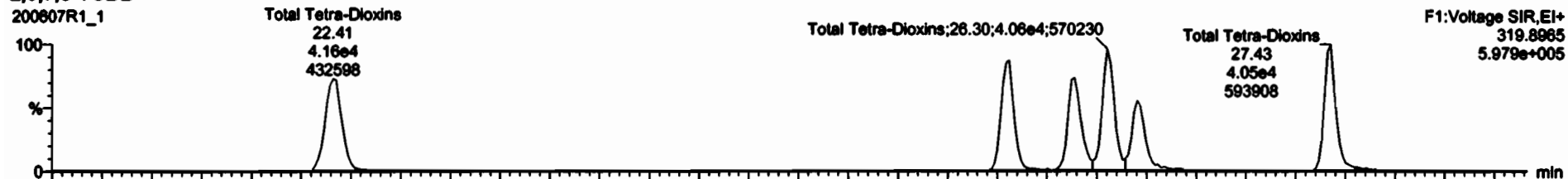
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Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

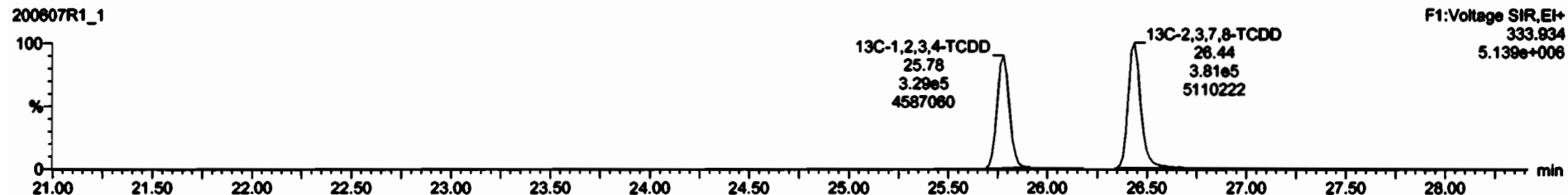
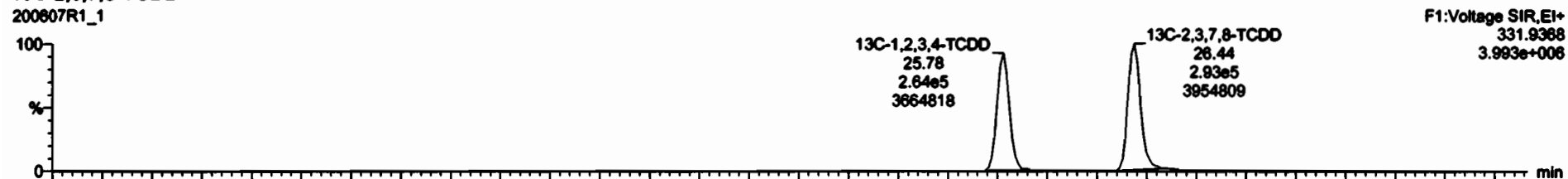
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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

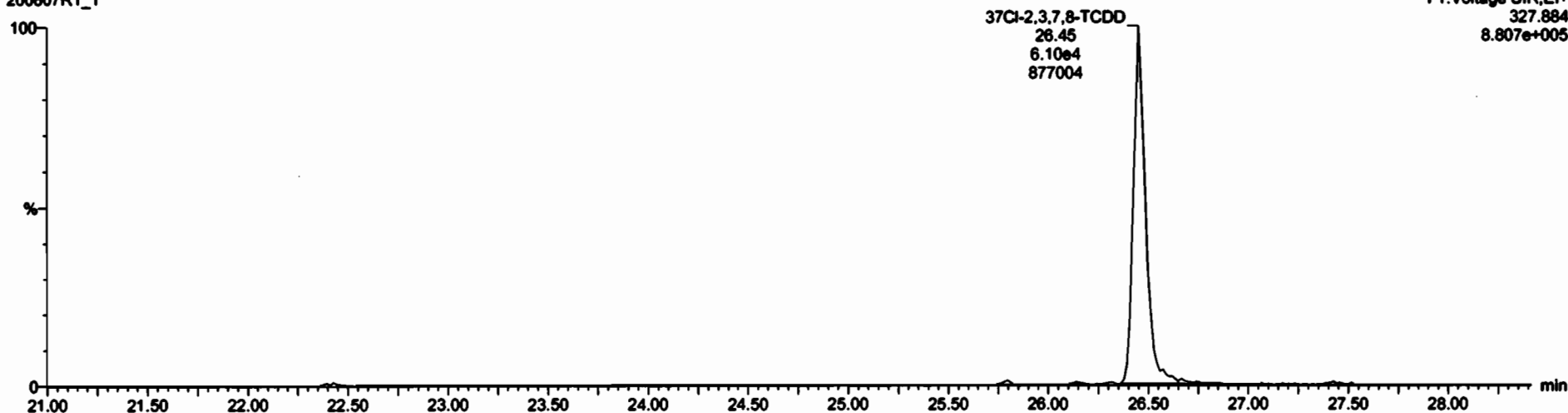


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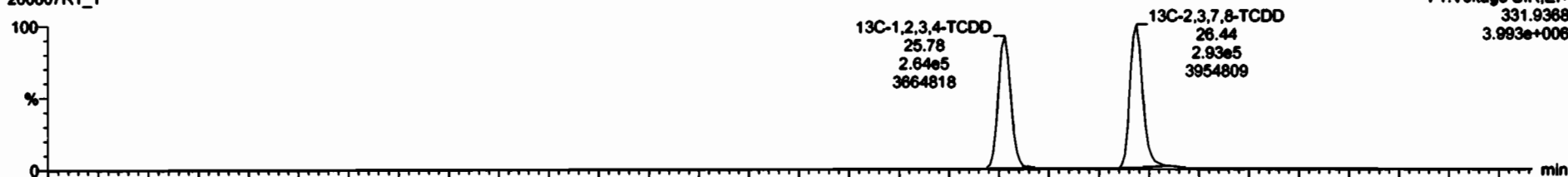
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Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

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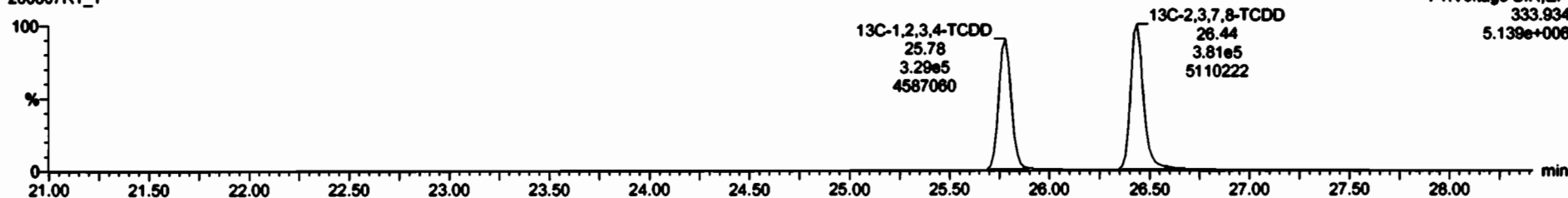
37Cl-2,3,7,8-TCDD
200607R1_1



13C-1,2,3,4-TCDD
200607R1_1



200607R1_1



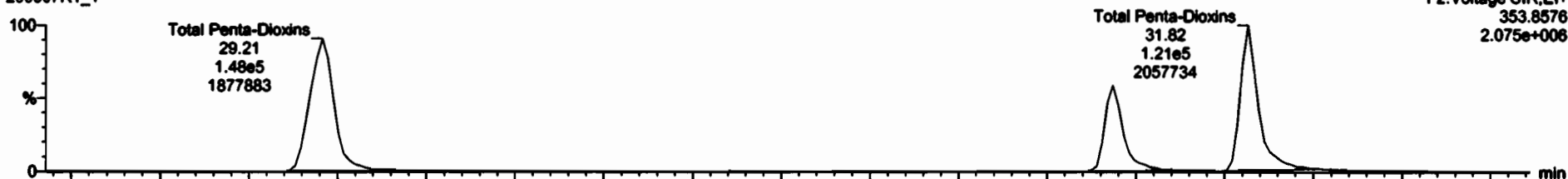
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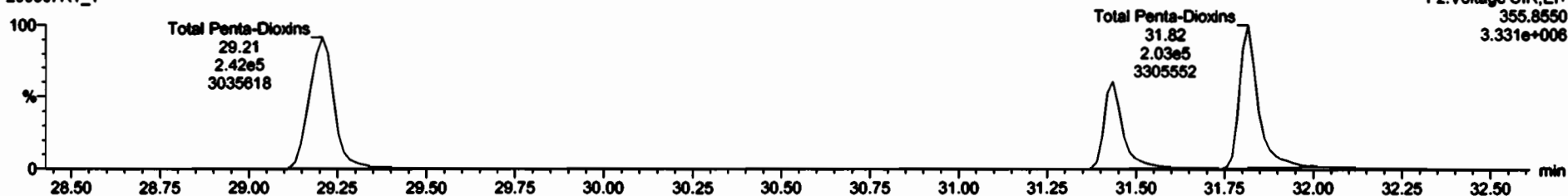
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1,2,3,7,8-PeCDD

200607R1_1

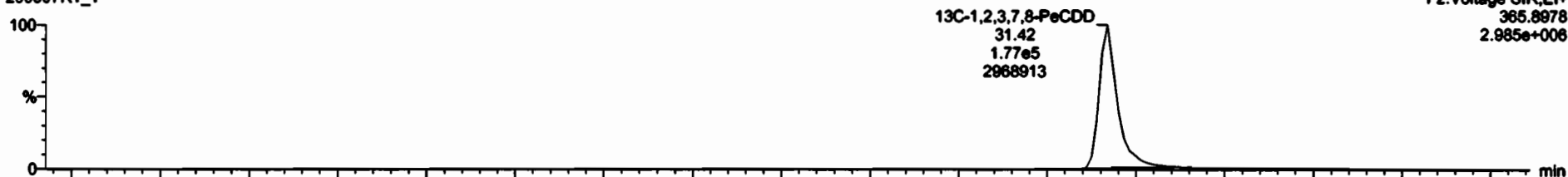


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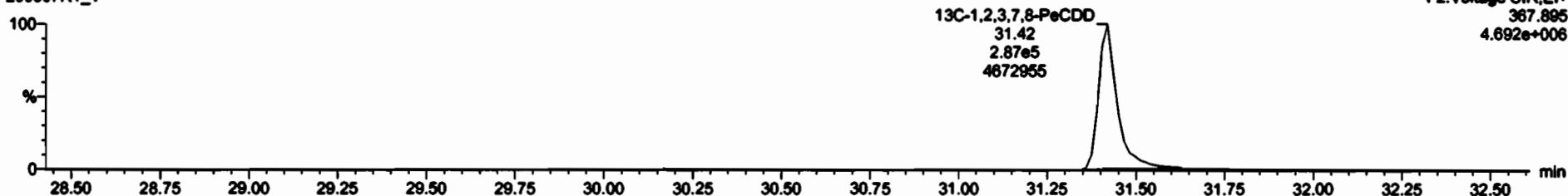


13C-1,2,3,7,8-PeCDD

200607R1_1



200607R1_1



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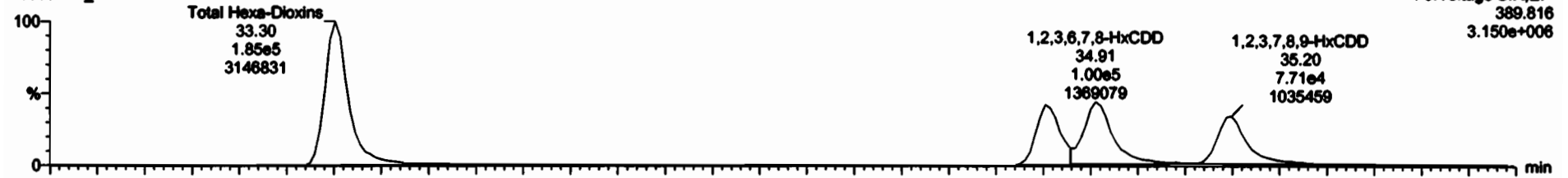
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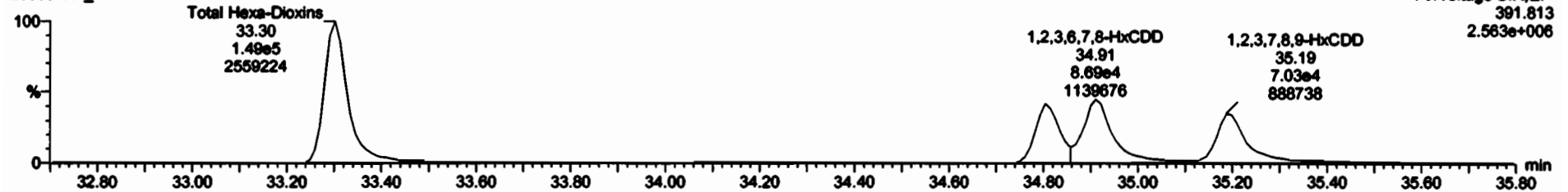
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1,2,3,4,7,8-HxCDD

200607R1_1

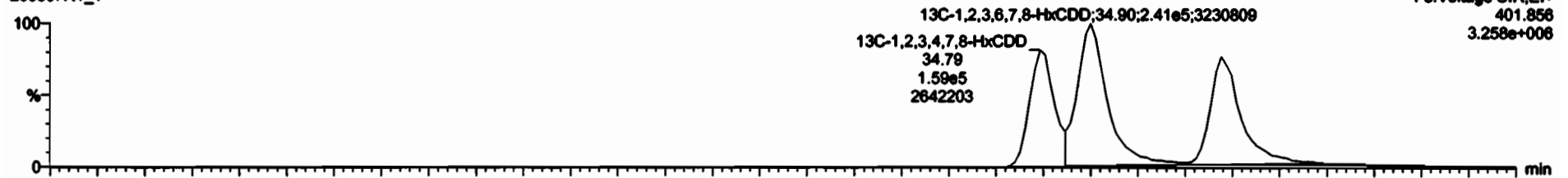


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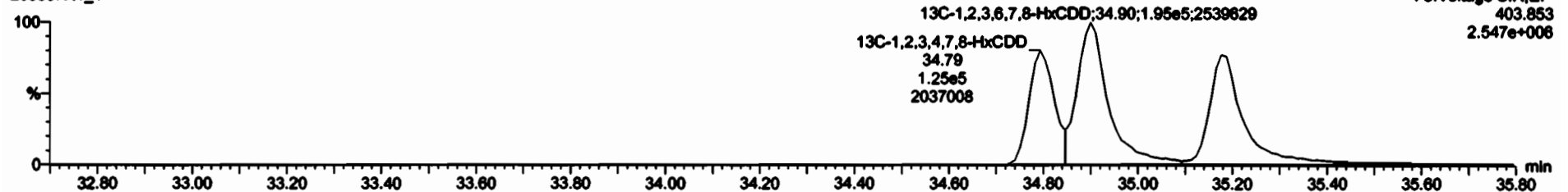


13C-1,2,3,4,7,8-HxCDD

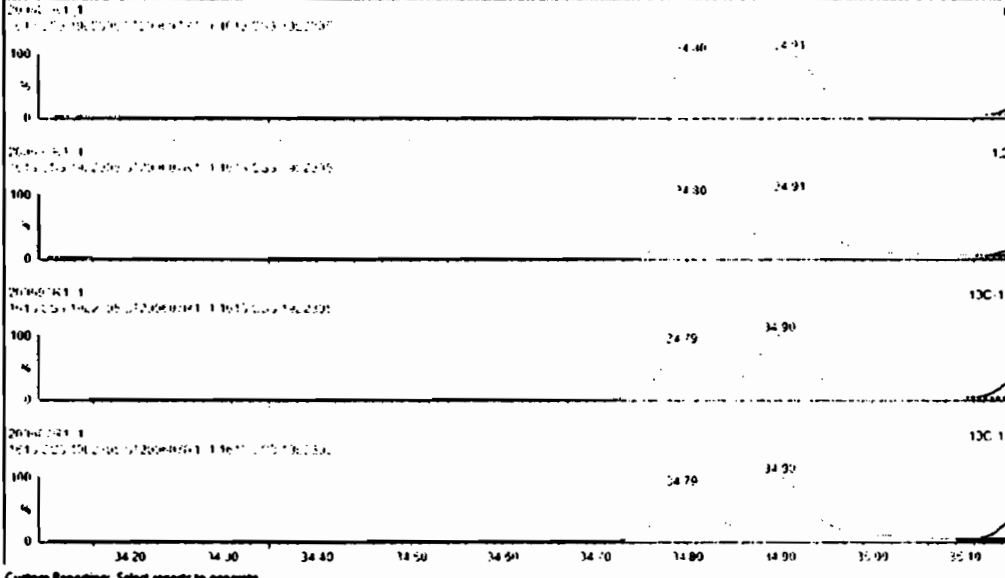
200607R1_1



200607R1_1



#	Name	Resp	S_Ratio	Prod RA	RA	My	RRF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc	%Rec	STD dev
1	1.2 3 7 8 9 HxCDO	5.52e4	6.74e5	0.77	0.76	NO	0.302	24.47	24.45	N	1.000	1.000	29.5	54.5	ND
2	1.2 3 7 8 9 HxCDO	1.70e4	4.84e5	0.62	0.59	NO	0.302	24.44	24.44	N	1.000	1.000	34.5	50.1	ND
3	1.2 3 7 8 9 HxCDO	1.75e4	2.64e5	1.24	0.23	NO	0.0254	34.80	34.53	N	1.000	1.000	47.1	54.6	ND
4	1.2 3 7 8 9 HxCDO	1.47e5	4.38e5	1.24	1.14	NO	0.892	34.90	34.91	N	1.000	1.000	47.1	56.2	ND
5	1.2 3 7 8 9 HxCDO	1.38e5	3.23e5	1.24	1.20	NO	0.889	34.90	34.20	NO	1.889	1.889	47.1	64.3	NO
6	1.2 3 4 7 8 HxCDO	5.94e4	2.21e5	1.04	1.01	NO	0.625	30.72	30.71	N	1.000	1.000	49.5	79.7	NO
7	7 OCDC	2.01e5	4.41e5	0.26	0.27	NO	0.918	41.88	41.70	N	1.000	1.000	101	101	NO
8	1.2 3 7 8 9 HxCDO	6.77e4	6.78e5	0.77	0.78	NO	0.302	25.67	25.56	N	1.000	1.000	50.6	56.4	ND
9	1.2 3 7 8 9 HxCDO	1.18e5	7.10e5	1.14	1.14	NO	0.892	34.90	34.14	N	1.000	1.000	48.5	57.2	NO
10	1.2 3 4 7 8 HxCDO	1.56e5	4.04e5	1.14	1.14	NO	0.302	33.91	33.12	N	1.000	1.000	47.1	77.3	NO
11	1.2 3 4 7 8 HxCDO	1.69e5	3.80e5	1.24	1.22	NO	0.885	34.30	33.91	N	1.000	1.000	50.2	101	NO
12	1.2 3 7 8 9 HxCDO	2.70e5	4.98e5	1.24	1.22	NO	0.892	34.90	34.00	N	1.000	1.000	52.5	100	NO
13	1.2 3 4 7 8 HxCDO	1.93e5	4.13e5	1.24	1.21	NO	0.934	34.66	34.64	M	1.000	1.000	50.1	100	NO
14	1.2 3 7 8 9 HxCDO	1.30e5	3.11e5	1.24	1.22	NO	0.878	35.54	35.14	N	1.000	1.000	49.2	56.6	NO
15	1.2 3 4 7 8 HxCDO	1.27e5	2.05e5	1.34	1.01	NO	0.8734	37.34	37.32	N	1.000	1.000	50.4	101	NO
16	1.2 3 4 7 8 5 HxCDO	5.85e4	1.31e5	1.06	0.96	NO	1.0128	38.22	35.29	N	1.000	1.000	50.2	100	NO
17	7 OCDC	6.23e5	5.57e5	0.24	0.24	NO	0.5265	41.84	41.26	N	1.000	1.000	102	102	NO
18	1.2 3 7 8 9 HxCDO	6.74e4	1.54e5	0.77	0.77	NO	1.1545	24.40	24.44	N	1.000	1.000	30.1	30.1	NO
19	1.2 3 4 7 8 HxCDO	2.44e5	1.94e5	0.61	0.61	NO	0.5490	37.64	37.64	N	1.000	1.000	52.1	32.1	NO
20	1.2 3 4 7 8 HxCDO	2.54e5	4.18e5	1.24	1.27	NO	0.7780	34.80	34.74	N	1.014	1.014	57.1	67.1	NO
21	1.2 3 4 7 8 HxCDO	4.38e5	4.18e5	1.24	1.24	NO	1.0187	34.91	34.90	N	1.017	1.017	100	100	NO



1.2 3 7 8 9 HxCDO 35.70 14090.25 1329340
 1.2 3 7 8 9 HxCDO 35.19 60443.85 85781.2
 1.2 3 7 8 9 HxCDO 35.18 176994.03 2429167
 1.2 3 7 8 9 HxCDO 35.18 144773.04 1820421

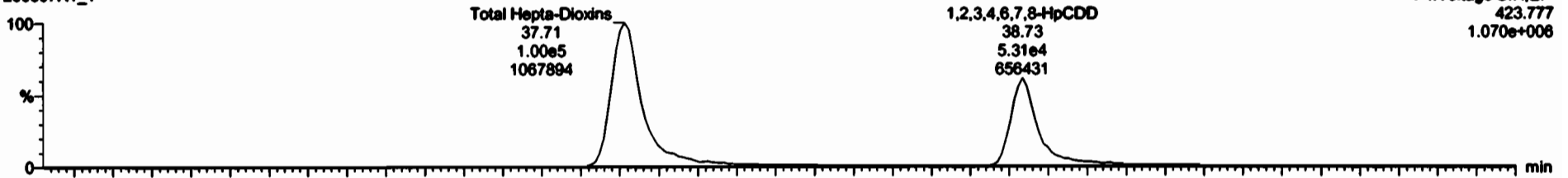
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Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

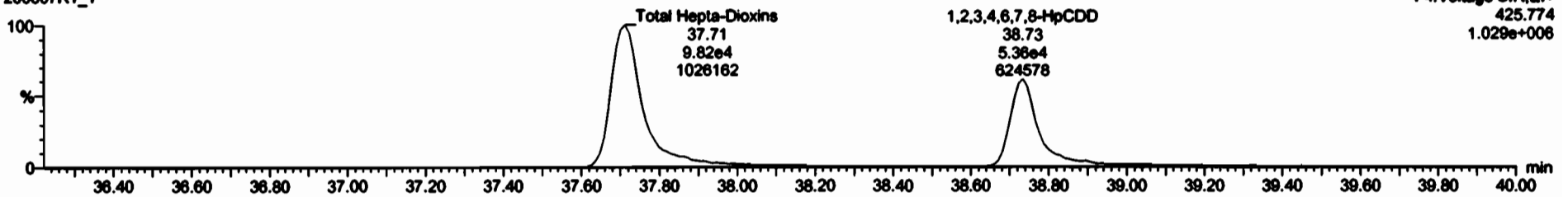
Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200607R1_1

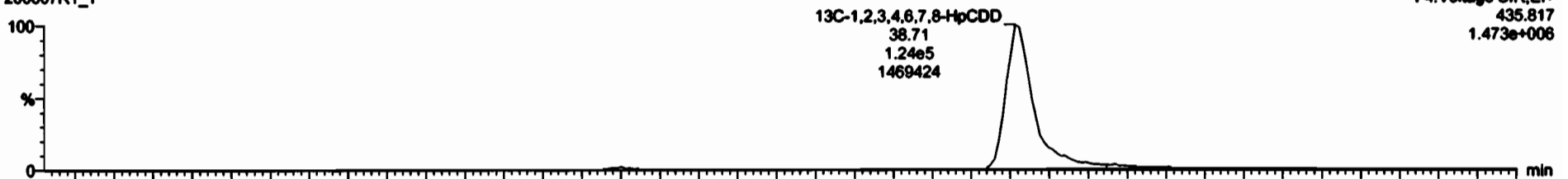


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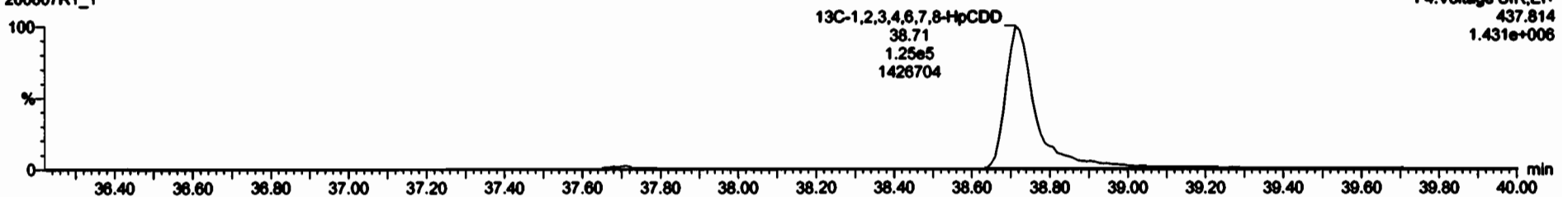


13C-1,2,3,4,6,7,8-HpCDD

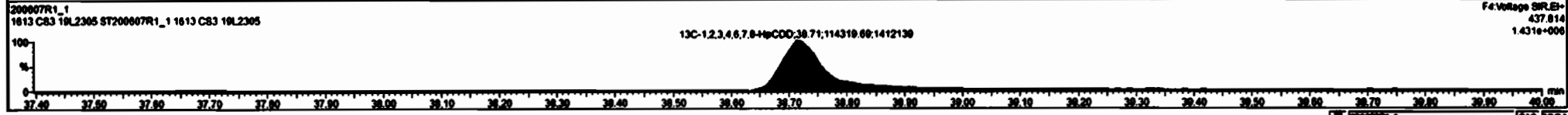
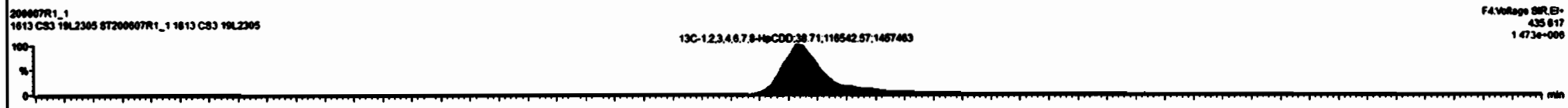
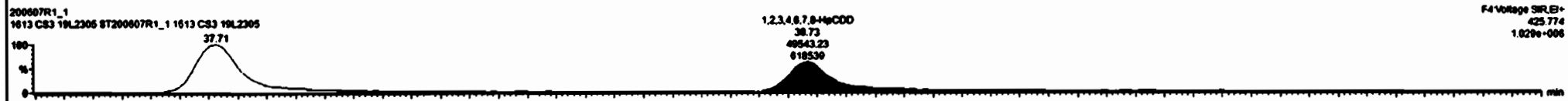
200607R1_1



200607R1_1



1	2,3,7,8-TCDF	8.82e4	8.74e5	0.77	0.78	NO	0.8893	38.47	38.48	NO	1.001	1.001	98.9	98.9	NO
2	1,2,3,7,8-PeCDD	1.99e5	4.84e5	0.63	0.59	NO	0.9091	31.44	31.44	NO	1.001	1.000	48.5	48.1	NO
3	1,2,3,4,7,8-HxCDD	1.38e5	2.84e5	1.24	1.23	NO	1.0334	34.89	34.89	NO	1.000	1.000	47.4	44.9	NO
4	1,2,3,6,7,8-HxCDD	1.07e5	4.38e5	1.24	1.15	NO	0.8823	34.89	34.91	NO	1.000	1.000	48.1	48.2	NO
5	1,2,3,7,8,9-HxCDD	1.38e5	3.69e5	1.24	1.23	NO	0.8899	36.19	36.29	NO	1.000	1.001	48.1	48.2	NO
7	OCDF	2.11e5	4.84e5	0.89	0.89	NO	0.9138	41.68	41.78	NO	1.000	1.000	95.2	95.2	NO
8	2,3,7,8-TCDF	8.37e4	8.78e5	0.77	0.78	NO	0.7519	25.57	25.58	NO	1.001	1.001	9.69	96.8	NO
9	1,2,3,7,8-PeCDF	3.19e5	7.18e5	1.56	1.58	NO	0.8825	38.16	38.14	NO	1.001	1.000	48.9	47.7	NO
10	2,3,4,7,8-PeCDF	2.89e5	8.84e5	1.56	1.54	NO	0.9349	31.16	31.13	NO	1.001	1.000	48.6	48.3	NO
11	1,2,3,4,7,8-HxCDF	1.89e5	3.89e5	1.24	1.22	NO	0.8945	33.82	33.80	NO	1.000	1.000	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	2.33e5	4.98e5	1.24	1.22	NO	0.8892	34.65	34.68	NO	1.000	1.001	52.9	185	NO
13	2,3,4,6,7,8-HxCDF	2.91e5	4.19e5	1.24	1.23	NO	0.9341	34.88	34.84	NO	1.001	1.001	51.2	182	NO
14	1,2,3,7,8,9-HxCDF	1.44e5	3.27e5	1.24	1.29	NO	0.8787	36.54	36.56	NO	1.000	1.000	68.5	101	NO
15	1,2,3,4,6,7,8-HpCDF	1.34e5	2.97e5	1.04	1.03	NO	0.8734	37.34	37.32	NO	1.001	1.000	51.6	183	NO
16	1,2,3,4,7,8,9-HpCDF	8.99e4	1.91e5	1.04	0.86	NO	1.0128	38.28	38.28	NO	1.000	1.000	51.2	182	NO
17	OCDF	2.59e5	8.89e5	0.89	0.86	NO	0.8895	41.88	41.90	NO	1.000	1.001	101	101	NO
18	13C-2,3,7,8-TCDD	8.74e5	8.94e5	0.77	0.77	NO	1.1983	38.48	38.44	NO	1.028	1.028	98.1	98.1	NO
19	13C-1,2,3,7,8-PeCDD	4.84e5	8.94e5	0.63	0.61	NO	0.8489	31.64	31.42	NO	1.227	1.219	92.1	92.1	NO
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.19e5	1.24	1.27	NO	0.7788	34.89	34.79	NO	1.014	1.014	87.1	87.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.38e5	4.19e5	1.24	1.24	NO	1.0187	34.91	34.90	NO	1.017	1.017	182	182	NO

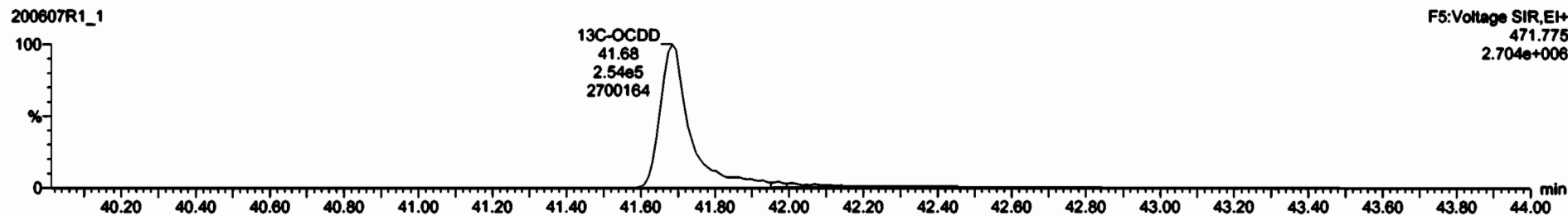
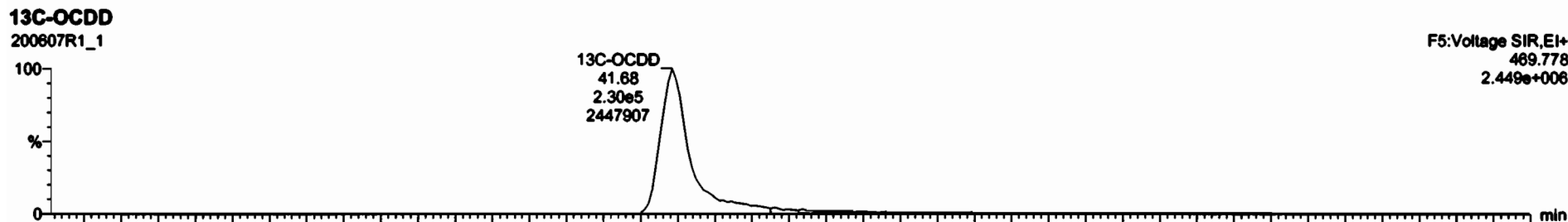
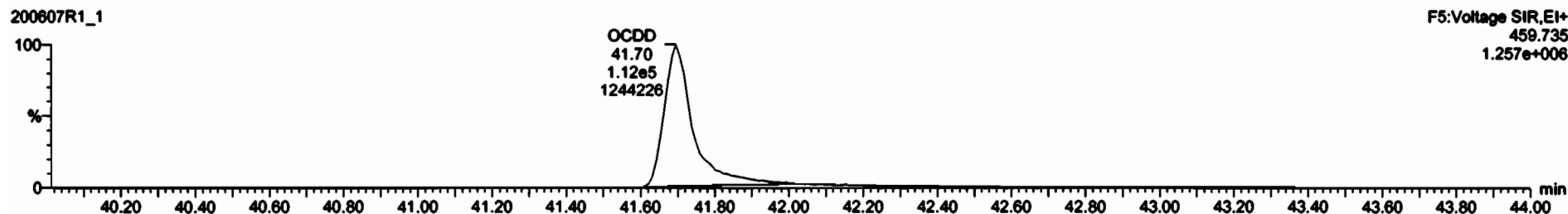
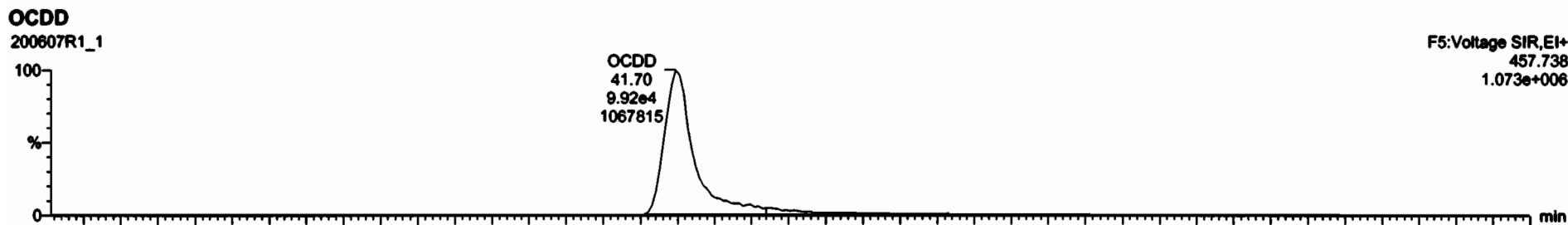


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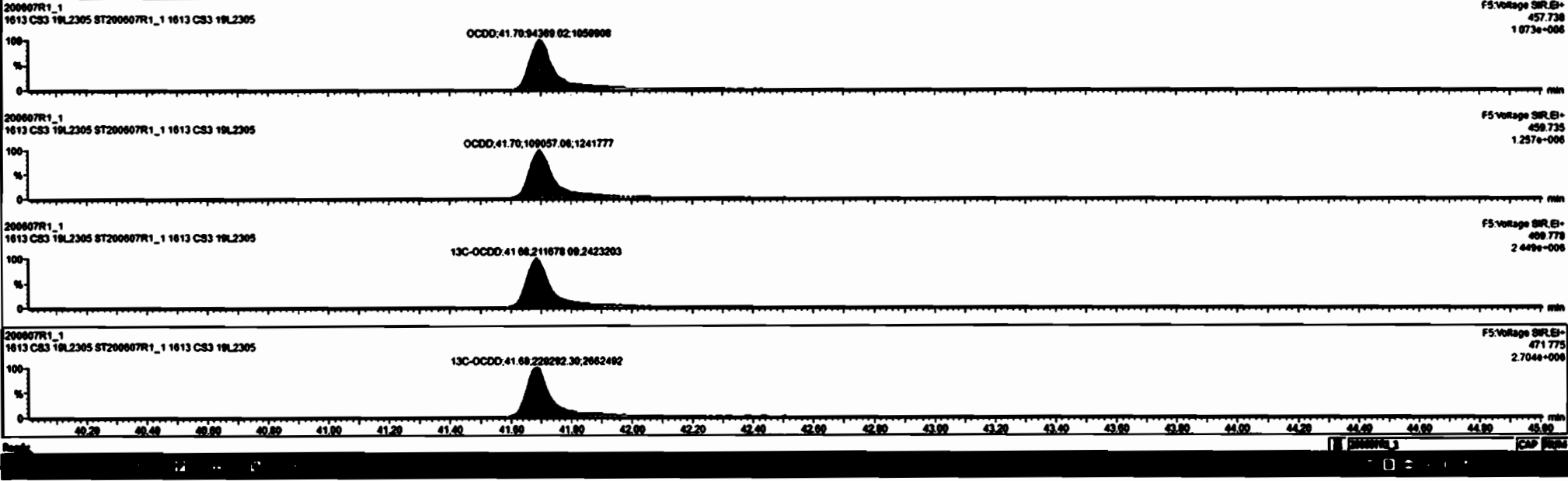
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Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



1	1,2,3,7,8-TCDD	5.92e4	6.74e5	0.77	0.70	NO	0.0003	28.47	28.48	NO	1.001	1.001	0.80	98.9	NO
2	1,2,3,7,8-PeCDD	1.80e5	4.04e5	0.83	0.50	NO	0.0001	31.44	31.44	NO	1.001	1.000	48.5	93.1	NO
3	1,2,3,4,7,8-HxCDD	1.30e5	2.84e5	1.24	1.23	NO	1.0534	34.89	34.89	NO	1.000	1.000	47.4	94.8	NO
4	1,2,3,6,7,8-HxCDD	1.87e5	4.38e5	1.24	1.15	NO	0.0023	34.89	34.91	NO	1.000	1.000	48.1	98.2	NO
5	1,2,3,7,8-HxCDD	1.35e5	3.00e5	1.24	1.23	NO	0.0000	35.19	35.20	NO	1.000	1.001	49.1	98.2	NO
6	1,2,3,4,6,7,8-HpCDD	0.04e4	2.31e5	1.04	1.01	NO	0.0030	36.72	36.73	NO	1.000	1.001	49.9	98.7	NO
8	2,3,7,8-TCDF	6.57e4	6.70e5	0.77	0.70	NO	0.7510	25.57	25.58	NO	1.001	1.001	0.60	98.9	NO
9	1,2,3,7,8-PeCDF	3.16e5	7.10e5	1.50	1.50	NO	0.0025	30.16	30.14	NO	1.001	1.000	48.9	97.7	NO
10	2,3,4,7,8-PeCDF	2.90e5	6.84e5	1.20	1.04	NO	0.0040	31.15	31.13	NO	1.001	1.000	48.6	93.3	NO
11	1,2,3,4,7,8-HxCDF	1.00e5	3.00e5	1.24	1.22	NO	0.0046	33.92	33.93	NO	1.000	1.000	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	2.33e5	4.90e5	1.24	1.22	NO	0.0002	34.06	34.06	NO	1.000	1.001	52.9	100	NO
13	2,3,4,6,7,8-HxCDF	2.01e5	4.10e5	1.24	1.20	NO	0.0041	34.08	34.04	NO	1.001	1.001	51.2	102	NO
14	1,2,3,7,8-HpCDF	1.40e5	3.27e5	1.24	1.20	NO	0.0707	35.54	35.55	NO	1.000	1.000	50.5	101	NO
15	1,2,3,4,6,7,8-HpCDF	1.34e5	2.97e5	1.04	1.00	NO	0.0734	37.34	37.32	NO	1.001	1.000	51.6	100	NO
16	1,2,3,4,7,8,9-HpCDF	0.90e4	1.91e5	1.04	0.95	NO	1.9120	30.20	30.20	NO	1.000	1.000	51.2	102	NO
17	OCDF	2.30e5	6.00e5	0.80	0.85	NO	0.0005	41.00	41.00	NO	1.000	1.001	101	101	NO
18	13C-2,3,7,8-TCDD	6.74e5	6.94e5	0.77	0.77	NO	1.1983	28.48	28.44	NO	1.026	1.025	98.1	98.1	NO
19	13C-1,2,3,7,8-PeCDD	4.04e5	6.94e5	0.83	0.61	NO	0.0400	31.64	31.42	NO	1.227	1.210	92.1	92.1	NO
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.10e5	1.24	1.27	NO	0.7700	34.89	34.79	NO	1.014	1.014	87.1	87.1	NO
21	13C-1,2,3,4,7,8-HpCDD	4.30e5	4.10e5	1.24	1.24	NO	1.0107	34.91	34.90	NO	1.017	1.017	102	102	NO



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Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time
Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

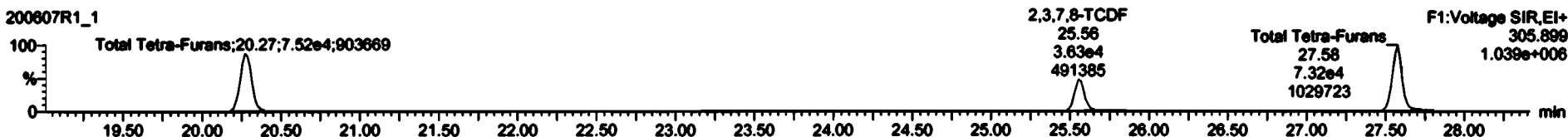
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2,3,7,8-TCDF

200607R1_1

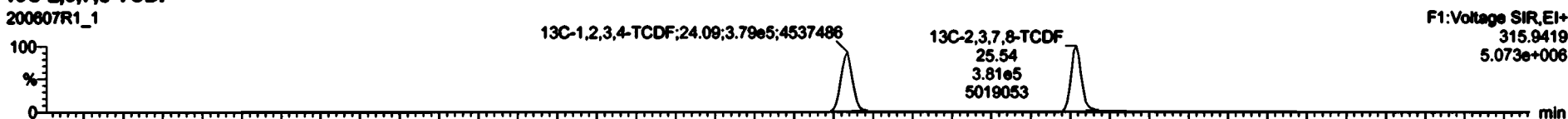


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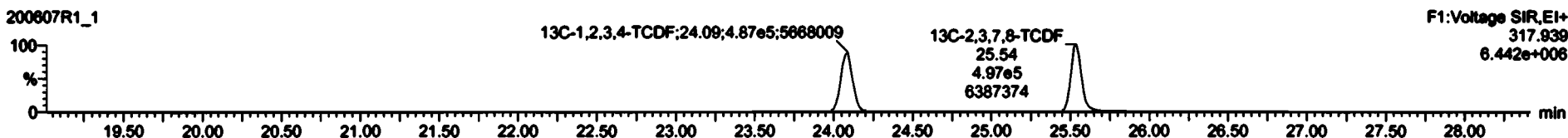


13C-2,3,7,8-TCDF

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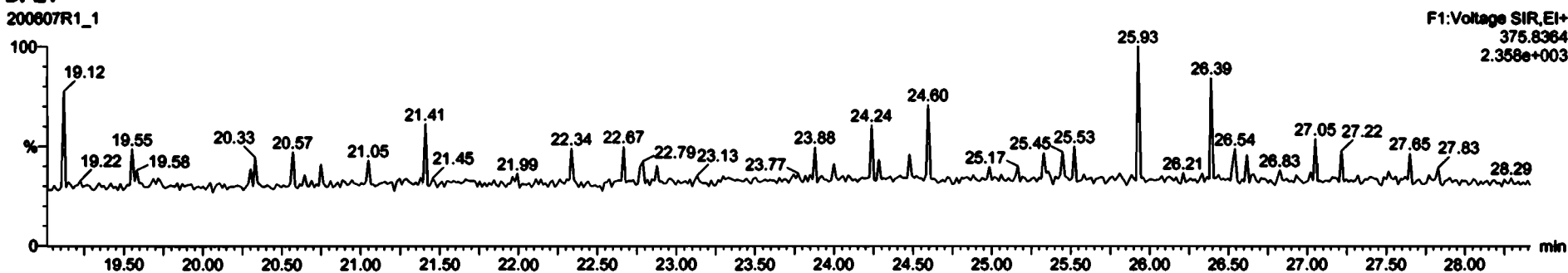


200607R1_1



DPE1

200607R1_1



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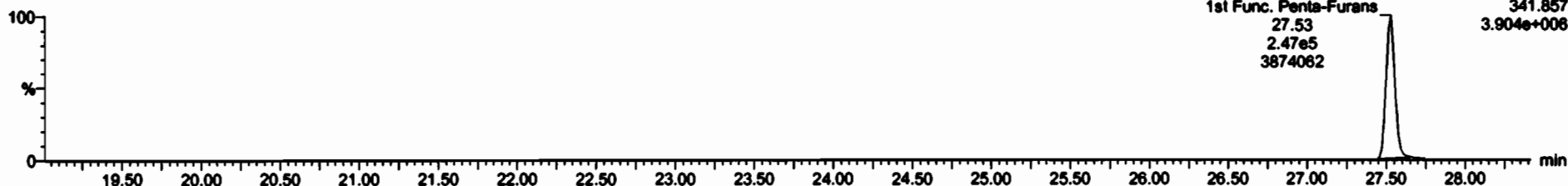
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1st Func. Penta-Furans

200607R1_1

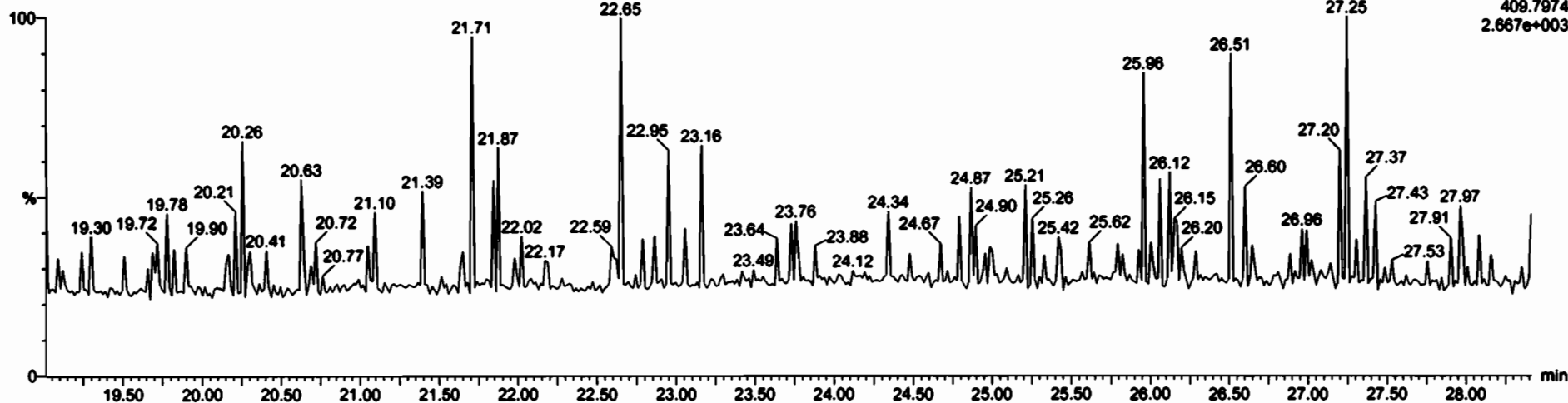


200607R1_1



DPE6

200607R1_1



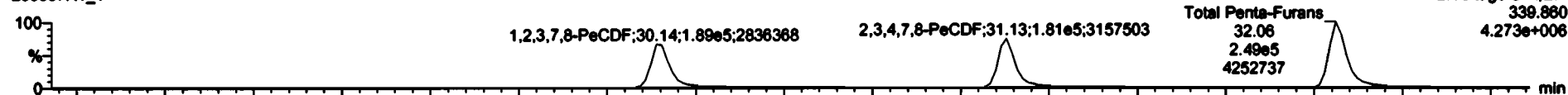
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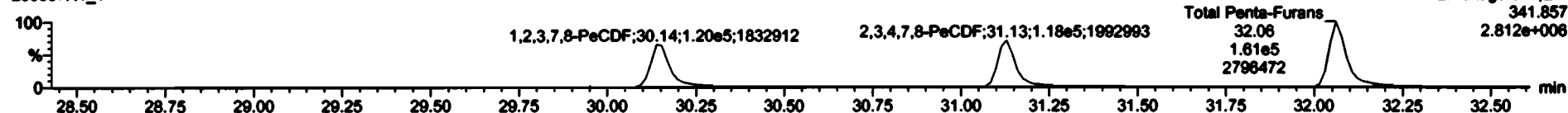
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1,2,3,7,8-PeCDF

200607R1_1

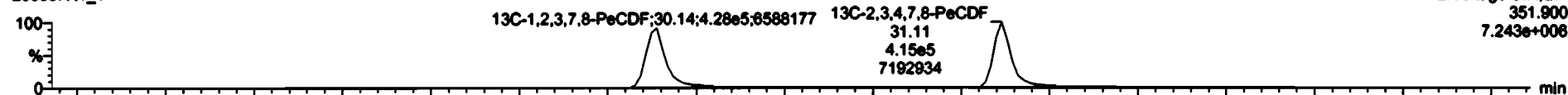


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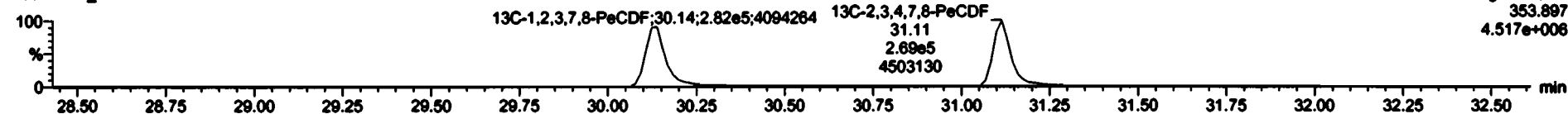


13C-1,2,3,7,8-PeCDF

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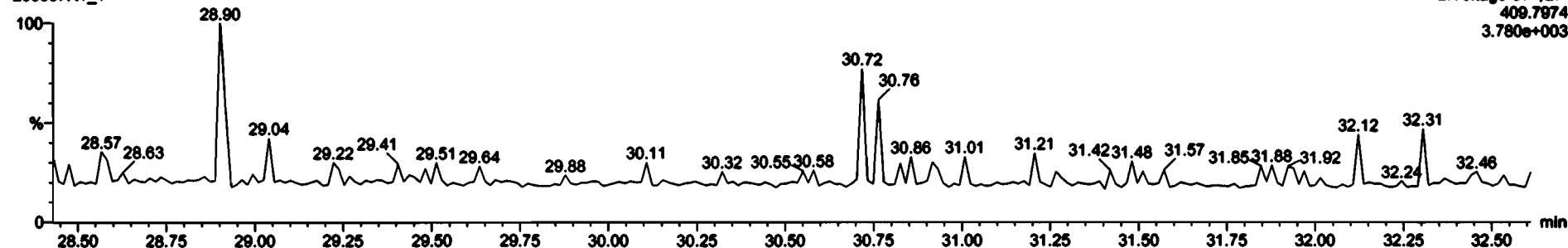


200607R1_1



DPE2

200607R1_1

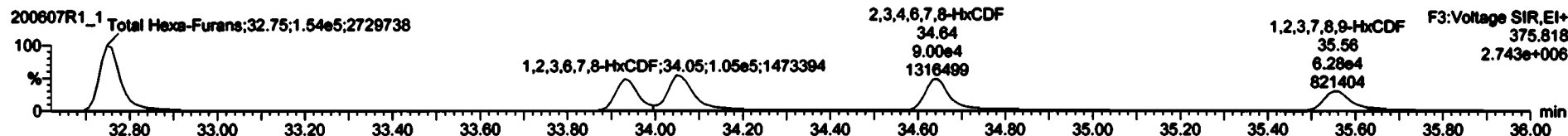


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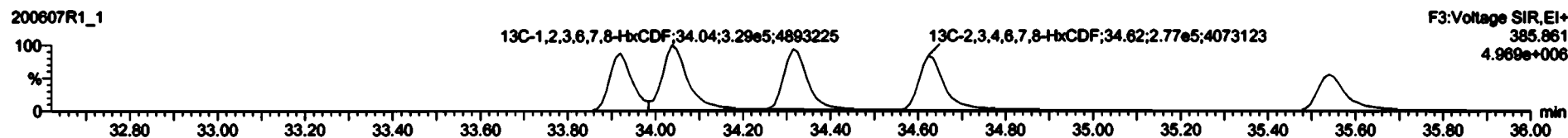
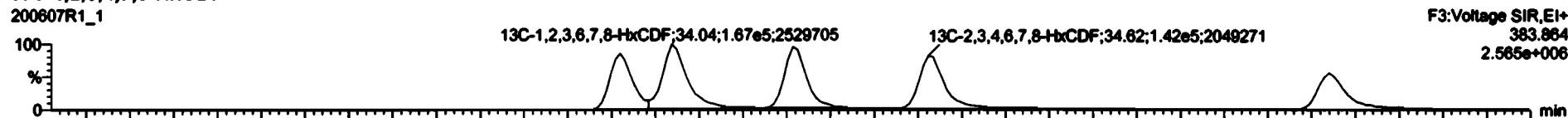
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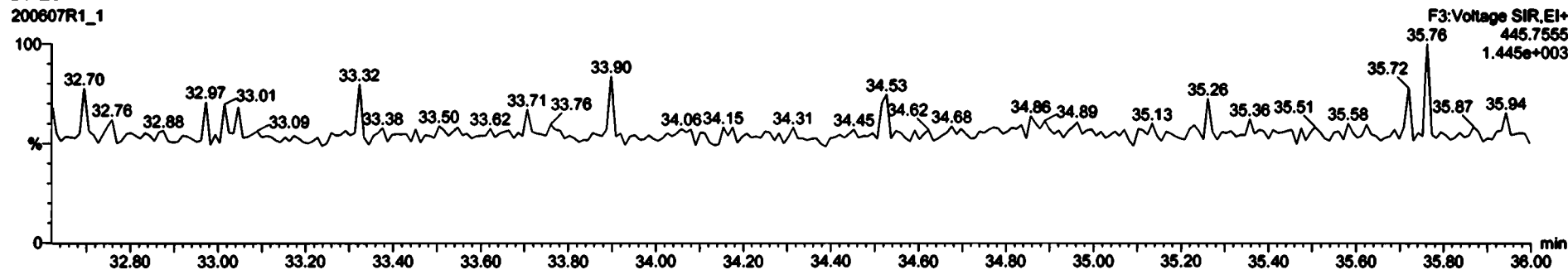
1,2,3,4,7,8-HxCDF



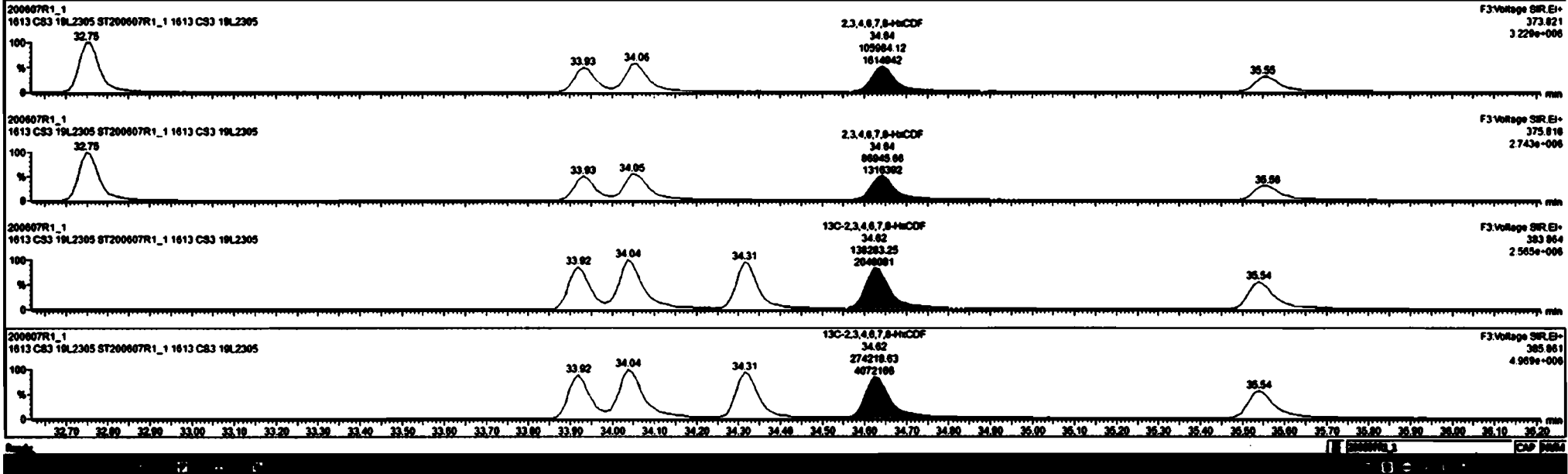
13C-1,2,3,4,7,8-HxCDF



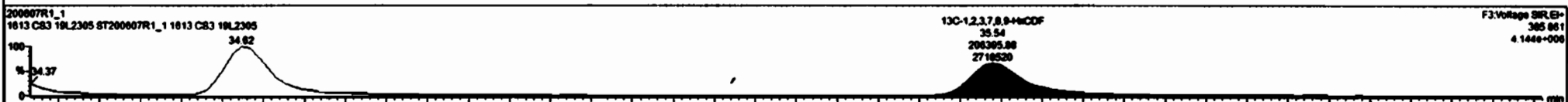
DPE3



1	2,3,7,8-TCDF	5.92e4	6.74e5	0.77	0.70	ND	0.8893	28.47	28.46	ND	1.001	1.001	9.89	98.9	ND
2	1,2,3,7,8-PeCDD	1.99e5	4.84e5	0.63	0.59	ND	0.9901	31.44	31.44	ND	1.001	1.000	48.1	48.1	ND
3	1,2,3,4,7,8-HxCDF	1.39e5	2.89e5	1.24	1.23	ND	1.8334	34.89	34.89	ND	1.000	1.000	47.4	47.4	ND
4	1,2,3,6,7,8-HxCDF	1.87e5	4.38e5	1.24	1.15	ND	0.8823	34.89	34.91	ND	1.000	1.000	48.1	48.2	ND
5	1,2,3,7,8-PeCDD	1.28e5	3.09e5	1.24	1.23	ND	0.8899	36.19	36.20	ND	1.000	1.001	49.1	49.2	ND
6	1,2,3,4,6,7,8-HpCDD	8.94e4	2.31e5	1.04	1.01	ND	0.8839	38.72	38.73	ND	1.000	1.001	49.9	49.7	ND
7	COCDF	2.63e5	4.41e5	0.89	0.87	ND	0.9138	41.88	41.79	ND	1.000	1.000	101	101	ND
8	2,3,7,8-TCDF	6.37e4	6.79e5	0.77	0.70	ND	0.7910	25.57	25.58	ND	1.001	1.001	9.89	98.9	ND
9	1,2,3,7,8-PeCDF	3.19e5	7.19e5	1.58	1.50	ND	0.8828	39.18	39.14	ND	1.001	1.000	49.9	49.7	ND
10	2,3,4,7,8-PeCDF	2.99e5	6.94e5	1.58	1.54	ND	0.9348	31.75	31.13	ND	1.001	1.000	48.6	49.3	ND
11	1,2,3,4,7,8-HxCDF	1.89e5	3.89e5	1.24	1.22	ND	0.8845	33.82	33.83	ND	1.000	1.000	50.3	50.1	ND
12	1,2,3,6,7,8-HxCDF	2.33e5	4.99e5	1.24	1.22	ND	0.8882	34.85	34.86	ND	1.000	1.001	52.9	52.8	ND
14	1,2,3,7,8-HxCDF	1.44e5	3.27e5	1.24	1.20	ND	0.8797	36.54	36.56	ND	1.000	1.000	50.5	50.1	ND
15	1,2,3,4,6,7,8-HpCDF	1.34e5	2.87e5	1.04	1.03	ND	0.8734	37.34	37.32	ND	1.001	1.000	51.6	50.9	ND
16	1,2,3,4,7,8-HpCDF	8.89e4	1.91e5	1.04	0.95	ND	1.0128	39.28	39.28	ND	1.000	1.000	51.2	50.2	ND
17	COCDF	2.29e5	5.89e5	0.89	0.85	ND	0.8988	41.88	41.89	ND	1.000	1.001	101	101	ND
18	13C-2,3,7,8-TCDF	6.74e5	8.94e5	0.77	0.77	ND	1.1983	28.46	28.44	ND	1.028	1.028	98.1	98.1	ND
19	13C-1,2,3,7,8-PeCDD	4.84e5	5.94e5	0.63	0.61	ND	0.8489	31.64	31.42	ND	1.227	1.219	92.1	92.1	ND
20	13C-1,2,3,4,7,8-HxCDF	2.84e5	4.19e5	1.24	1.27	ND	0.7799	34.89	34.79	ND	1.014	1.014	87.1	87.1	ND
21	13C-1,2,3,6,7,8-HxCDF	4.38e5	4.19e5	1.24	1.24	ND	1.0197	34.91	34.90	ND	1.017	1.017	102	102	ND



1	2,3,7,8-TCDF	8.00e4	8.74e5	0.77	0.70	ND	0.8803	38.47	38.48	ND	1.001	1.001	98.9	98.9	ND
2	1,2,3,7,8-PeCDD	1.90e5	4.04e5	0.62	0.59	ND	0.9907	31.44	31.44	ND	1.001	1.000	48.5	53.1	ND
3	1,2,3,4,7,8-PeCDD	1.30e5	2.84e5	1.24	1.23	ND	1.0334	34.89	34.89	ND	1.000	1.000	47.4	94.8	ND
4	1,2,3,6,7,8-PeCDD	1.07e5	4.28e5	1.24	1.15	ND	0.8823	34.90	34.91	ND	1.000	1.000	48.1	98.2	ND
5	1,2,3,7,8-PeCDD	1.26e5	3.00e5	1.24	1.23	ND	0.8999	38.19	38.20	ND	1.000	1.001	49.1	98.2	ND
6	1,2,3,4,6,7,8-HxCDD	0.94e4	2.31e5	1.04	1.01	ND	0.8830	38.72	38.73	ND	1.000	1.001	48.0	98.7	ND
7	OCDD	2.03e5	4.41e5	0.89	0.87	ND	0.9138	41.88	41.79	ND	1.000	1.000	101	101	ND
8	2,3,7,8-TCDF	8.37e4	8.70e5	0.77	0.70	ND	0.7810	28.57	28.58	ND	1.001	1.001	9.05	95.8	ND
9	1,2,3,7,8-PeCDF	3.10e5	7.10e5	1.58	1.58	ND	0.8828	38.18	38.14	ND	1.001	1.000	48.9	87.7	ND
10	2,3,4,7,8-PeCDF	2.90e5	6.84e5	1.58	1.54	ND	0.9340	31.15	31.13	ND	1.001	1.000	48.8	93.3	ND
11	1,2,3,4,7,8-PeCDF	1.00e5	3.80e5	1.24	1.22	ND	0.8845	33.92	33.93	ND	1.000	1.000	50.3	101	ND
12	1,2,3,6,7,8-HxCDF	2.33e5	4.90e5	1.24	1.22	ND	0.8882	34.65	34.65	ND	1.000	1.001	52.0	100	ND
13	2,3,4,6,7,8-HxCDF	1.93e5	4.12e5	1.24	1.22	ND	0.9341	34.68	34.64	ND	1.001	1.001	50.1	100	ND
14	1,2,3,4,6,7,8-HxCDF	1.34e5	2.97e5	1.04	1.00	ND	0.8734	37.34	37.32	ND	1.001	1.000	51.6	103	ND
15	1,2,3,4,7,8-HxCDF	0.80e4	1.91e5	1.04	0.95	ND	1.0120	38.28	38.28	ND	1.000	1.000	51.2	102	ND
17	OCDF	2.20e5	5.00e5	0.89	0.88	ND	0.8998	41.88	41.88	ND	1.000	1.001	101	101	ND
18	13C-2,3,7,8-TCDD	0.74e5	6.94e5	0.77	0.77	ND	1.1023	38.48	38.44	ND	1.026	1.026	98.1	98.1	ND
19	13C-1,2,3,7,8-PeCDD	4.84e5	5.94e5	0.62	0.61	ND	0.9409	31.64	31.42	ND	1.227	1.210	92.1	92.1	ND
20	13C-1,2,3,4,7,8-PeCDD	2.84e5	4.10e5	1.24	1.27	ND	0.7790	34.89	34.79	ND	1.014	1.014	87.1	87.1	ND
21	13C-1,2,3,6,7,8-PeCDD	4.38e5	4.10e5	1.24	1.24	ND	1.0107	34.91	34.90	ND	1.017	1.017	102	102	ND



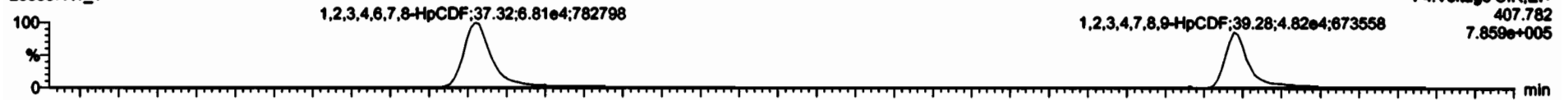
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Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

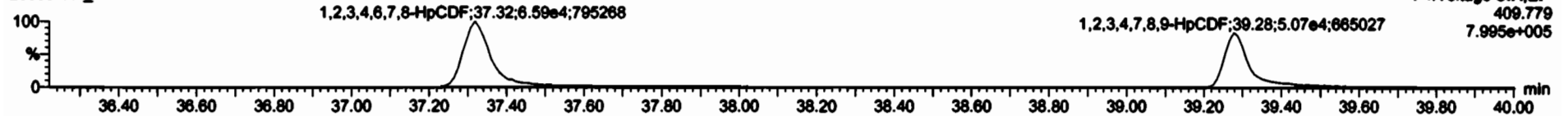
1,2,3,4,6,7,8-HpCDF

200607R1_1



F4:Voltage SIR,EI+
407.782
7.859e+005

200607R1_1



F4:Voltage SIR,EI+
409.779
7.995e+005

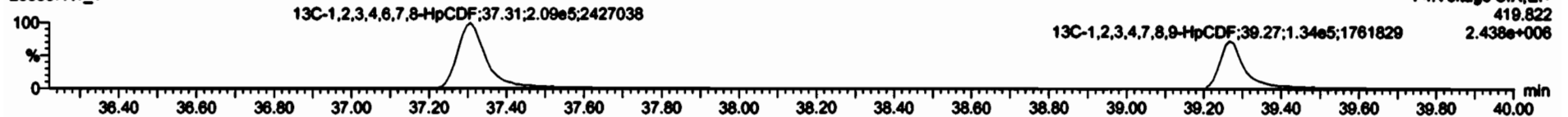
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200607R1_1



F4:Voltage SIR,EI+
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1.021e+006

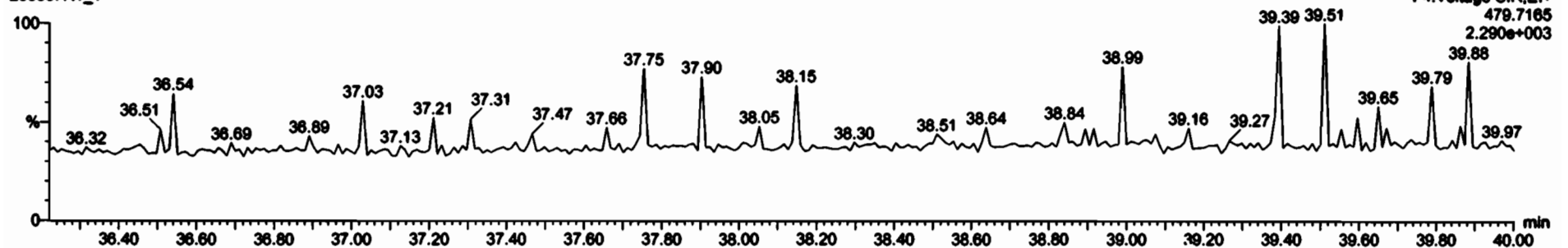
200607R1_1



F4:Voltage SIR,EI+
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2.438e+006

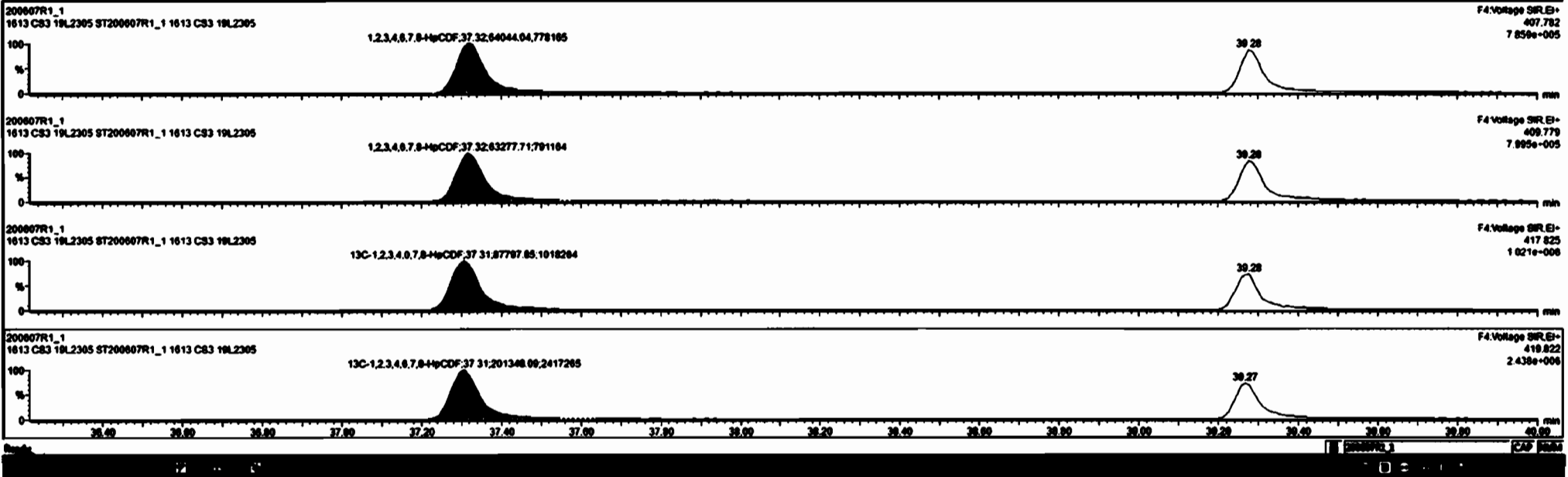
DPE4

200607R1_1



F4:Voltage SIR,EI+
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2.290e+003

1	2,3,7,8-TCDF	5.92e4	6.74e5	0.77	0.76	ND	0.8923	26.47	26.45	ND	1.001	1.001	9.00	98.9	ND
2	1,2,3,7,8-PeCDD	1.99e5	4.84e5	0.63	0.50	ND	0.9901	31.44	31.44	ND	1.001	1.000	48.5	93.1	ND
3	1,2,3,4,7,8-HxCDD	1.30e5	2.84e5	1.20	1.23	ND	1.0334	34.80	34.80	ND	1.000	1.000	47.4	94.9	ND
4	1,2,3,6,7,8-HxCDD	1.87e5	4.38e5	1.20	1.16	ND	0.8923	34.80	34.91	ND	1.000	1.000	48.1	98.2	ND
5	1,2,3,7,8,9-HxCDD	1.38e5	3.09e5	1.20	1.23	ND	0.8980	36.16	36.20	ND	1.000	1.001	49.1	98.2	ND
6	1,2,3,4,6,7,8-HpCDD	8.94e4	2.31e5	1.04	1.01	ND	0.8930	36.72	36.73	ND	1.000	1.001	49.9	98.7	ND
7	OCDF	2.03e5	4.41e5	0.89	0.87	ND	0.9130	41.80	41.70	ND	1.000	1.000	101	101	ND
8	2,3,7,8-TCDF	6.37e4	6.70e5	0.77	0.76	ND	0.7910	25.57	25.56	ND	1.001	1.001	6.00	98.6	ND
9	1,2,3,7,8-PeCDF	3.19e5	7.19e5	1.58	1.58	ND	0.8925	39.16	39.14	ND	1.001	1.000	48.9	97.7	ND
10	2,3,4,7,8-PeCDF	2.99e5	6.84e5	1.58	1.54	ND	0.8948	31.16	31.13	ND	1.001	1.000	48.8	93.3	ND
11	1,2,3,4,7,8,9-HpCDF	1.60e5	3.89e5	1.20	1.22	ND	0.8948	33.82	33.80	ND	1.000	1.000	39.3	101	ND
12	1,2,3,6,7,8-HxCDF	2.33e5	4.89e5	1.20	1.22	ND	0.8962	34.85	34.86	ND	1.000	1.001	52.9	106	ND
13	2,3,4,6,7,8-HxCDF	1.93e5	4.13e5	1.20	1.22	ND	0.9341	34.80	34.84	ND	1.001	1.001	39.1	100	ND
14	1,2,3,7,8,9-HpCDF	1.23e5	3.11e5	1.20	1.22	ND	0.8787	36.54	36.55	ND	1.000	1.000	49.3	98.6	ND
15	1,2,3,4,7,8,9-HpCDF	9.90e4	1.91e5	1.04	0.96	ND	1.0126	39.28	39.28	ND	1.000	1.000	51.2	102	ND
17	OCDF	2.39e5	5.09e5	0.89	0.86	ND	0.8985	41.80	41.80	ND	1.000	1.001	101	101	ND
18	13C-2,3,7,8-TCDD	6.74e5	8.94e5	0.77	0.77	ND	1.1853	26.48	26.44	ND	1.028	1.028	98.1	98.1	ND
19	13C-1,2,3,7,8-PeCDD	4.84e5	8.94e5	0.63	0.61	ND	0.8480	31.64	31.42	ND	1.227	1.219	92.1	92.1	ND
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.10e5	1.20	1.27	ND	0.7789	34.80	34.79	ND	1.014	1.014	87.1	87.1	ND
21	13C-1,2,3,6,7,8-HxCDD	4.38e5	4.10e5	1.20	1.24	ND	1.0187	34.91	34.90	ND	1.017	1.017	102	102	ND



1	2,3,7,8-TCDF	5.92e4	6.74e5	0.77	0.76	ND	0.8983	26.47	26.46	ND	1.001	1.001	98.9	98.9	ND
2	1,2,3,7,8-PeCDD	1.99e5	4.84e5	0.63	0.59	ND	0.9081	31.44	31.44	ND	1.001	1.000	46.5	43.1	ND
3	1,2,3,4,7,8-HxCDD	1.39e5	2.04e5	1.24	1.23	ND	1.0334	34.89	34.89	ND	1.000	1.000	47.4	34.8	ND
4	1,2,3,6,7,8-HxCDD	1.87e5	4.38e5	1.24	1.19	ND	0.8823	34.89	34.91	ND	1.000	1.000	48.1	98.2	ND
5	1,2,3,7,8-HxCDF	1.39e5	3.00e5	1.24	1.23	ND	0.8899	35.19	35.29	ND	1.000	1.001	49.1	98.2	ND
6	1,2,3,4,6,7,8-HpCDD	8.94e4	2.31e5	1.84	1.01	ND	0.8839	36.72	36.73	ND	1.000	1.001	49.9	98.7	ND
7	OCDD	2.03e5	4.41e5	0.89	0.87	ND	0.9138	41.68	41.79	ND	1.000	1.000	191	191	ND
8	2,3,7,8-TCDF	6.37e4	6.78e4	0.77	0.76	ND	0.7519	25.97	25.98	ND	1.001	1.001	98.6	98.6	ND
9	1,2,3,7,8-PeCDF	3.19e5	7.19e5	1.58	1.58	ND	0.8825	39.18	39.14	ND	1.001	1.000	48.9	97.7	ND
10	2,3,4,7,8-PeCDF	2.98e5	6.84e5	1.58	1.54	ND	0.9248	31.15	31.13	ND	1.001	1.000	46.6	93.3	ND
11	1,2,3,4,7,8-HxCDF	1.69e5	3.89e5	1.24	1.22	ND	0.8945	33.82	33.89	ND	1.000	1.000	50.3	191	ND
12	1,2,3,6,7,8-HxCDF	2.33e5	4.98e5	1.24	1.22	ND	0.8982	34.85	34.89	ND	1.000	1.001	52.9	198	ND
13	1,2,3,4,6,7,8-HpCDF	1.93e5	4.13e5	1.24	1.22	ND	0.9341	34.85	34.84	ND	1.001	1.001	59.1	198	ND
14	1,2,3,7,8,9-HxCDF	1.33e5	3.11e5	1.24	1.22	ND	0.8787	36.84	36.86	ND	1.000	1.000	49.3	98.6	ND
15	1,2,3,4,6,7,8-HpCDF	1.27e5	2.89e5	1.84	1.01	ND	0.8734	37.34	37.32	ND	1.001	1.000	59.4	191	ND
17	OCDF	2.39e5	5.89e5	0.89	0.86	ND	0.8985	41.89	41.89	ND	1.000	1.001	191	191	ND
18	13C-2,3,7,8-TCDD	6.74e5	9.84e5	0.77	0.77	ND	1.1983	26.46	26.44	ND	1.026	1.026	98.1	98.1	ND
19	13C-1,2,3,7,8-PeCDD	4.84e5	8.84e5	0.63	0.61	ND	0.8409	31.64	31.42	ND	1.227	1.219	92.1	92.1	ND
20	13C-1,2,3,4,7,8-HxCDD	2.84e5	4.18e5	1.24	1.27	ND	0.7789	34.89	34.79	ND	1.014	1.014	87.1	87.1	ND
21	13C-1,2,3,6,7,8-HxCDD	4.38e5	4.18e5	1.24	1.24	ND	1.9167	34.91	34.89	ND	1.017	1.017	192	192	ND

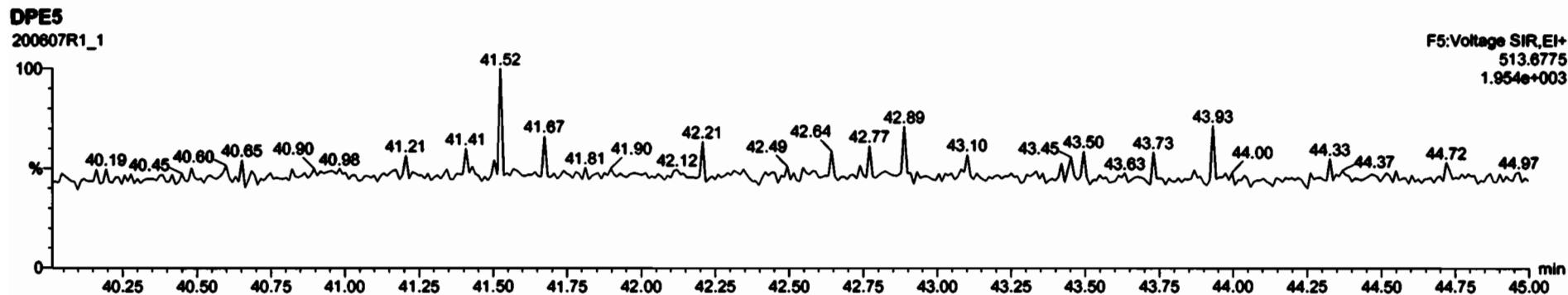
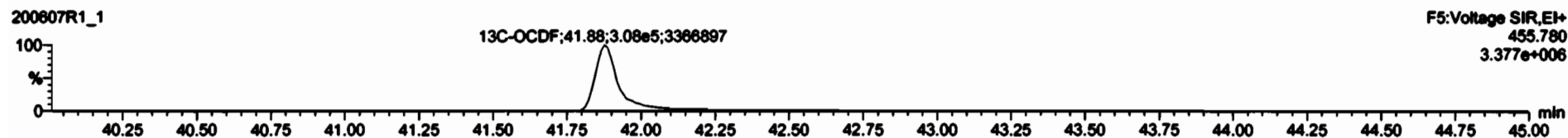
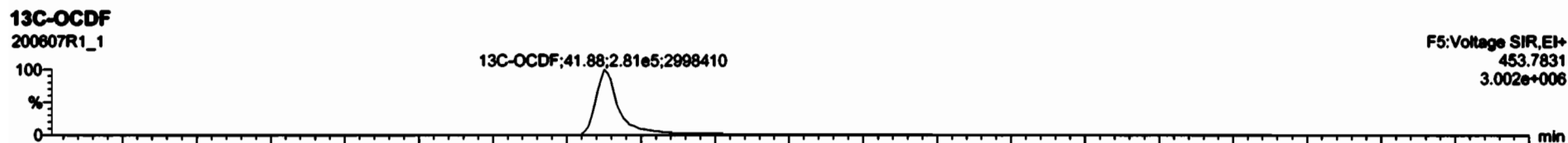
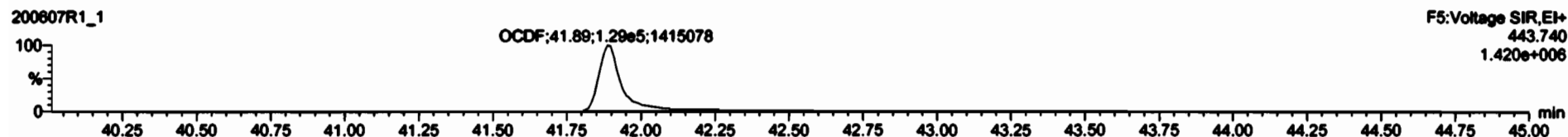
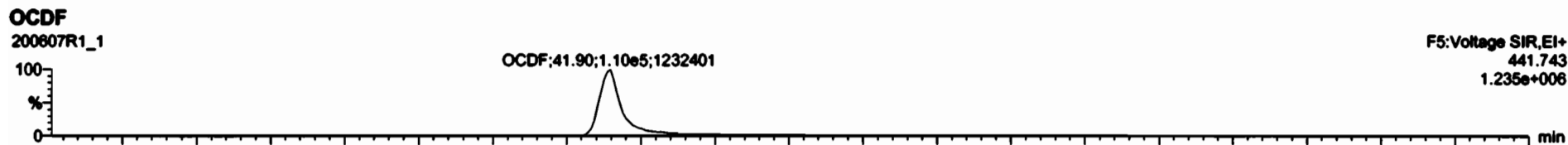


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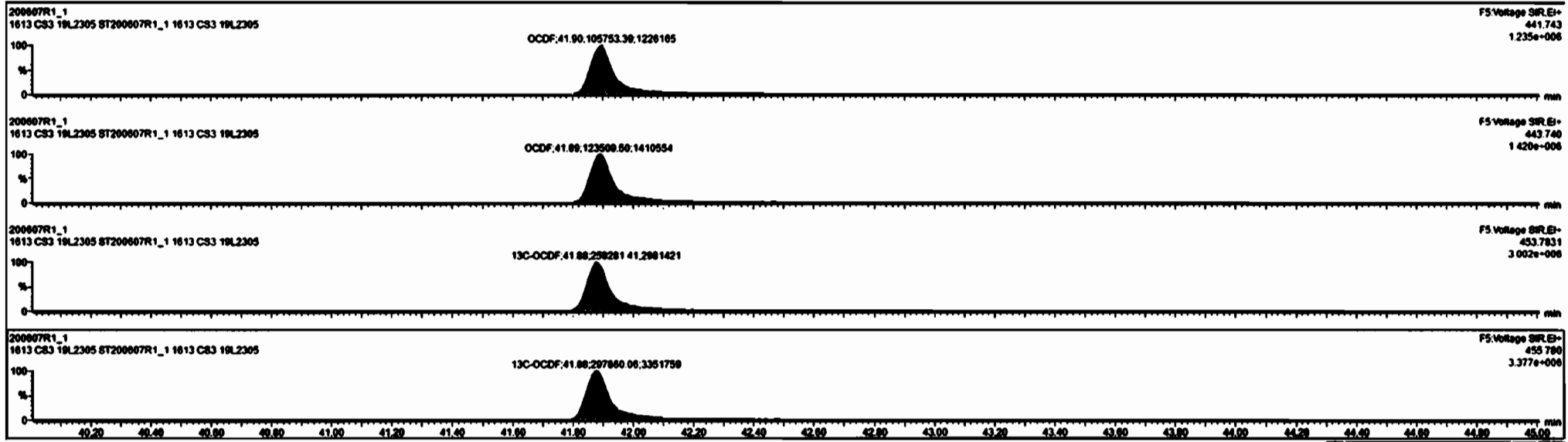
Last Altered: Sunday, June 07, 2020 09:30:42 Pacific Daylight Time

Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



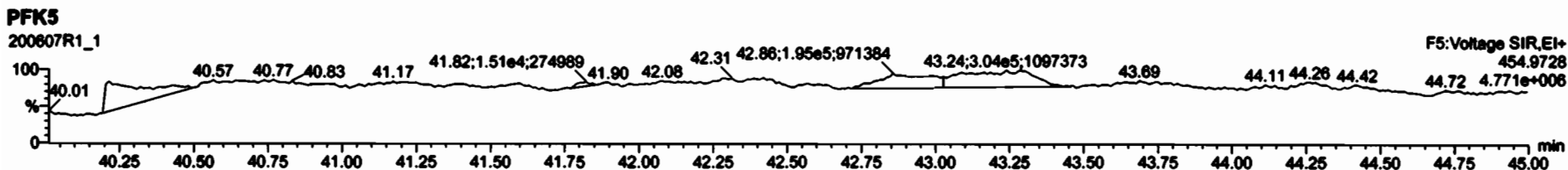
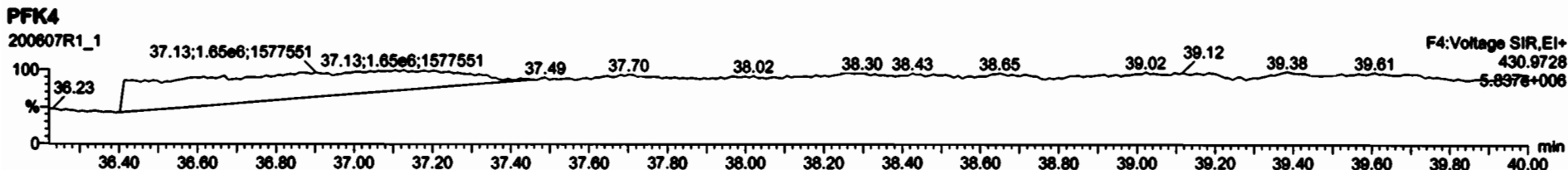
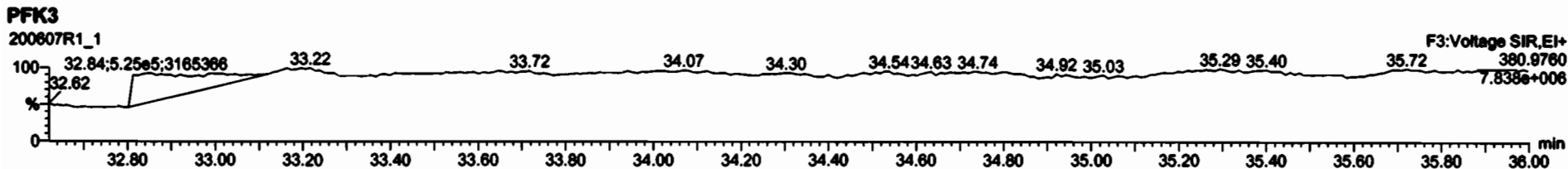
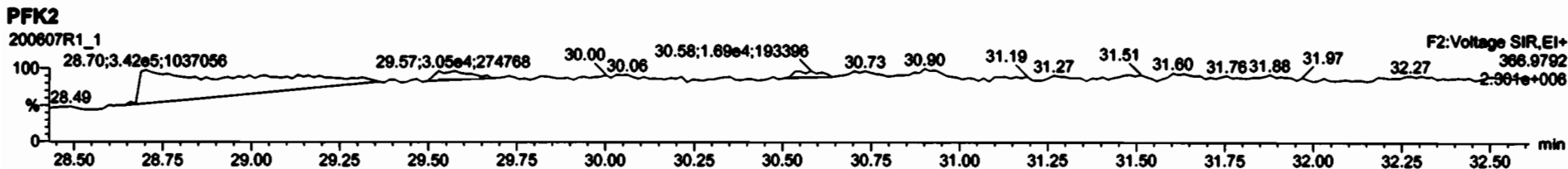
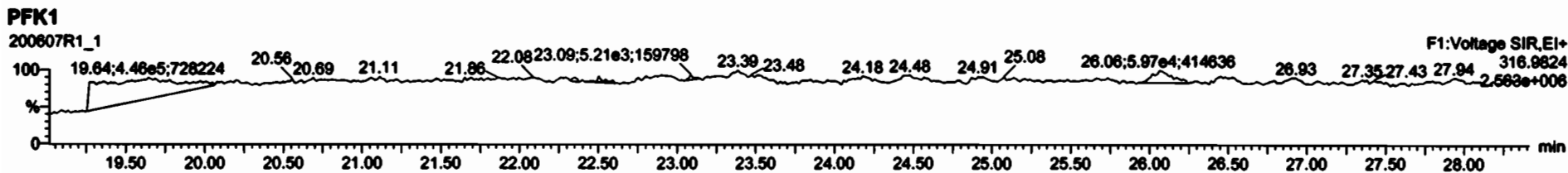
1	2,3,7,8-TCDF	5.52e4	6.74e5	0.77	0.79	NO	0.8893	38.47	38.48	NO	1.001	1.001	98.9	98.9	NO
2	1,2,3,7,8-PeCDD	1.99e5	8.84e5	0.63	0.59	NO	0.9901	31.44	31.44	NO	1.001	1.000	48.5	53.1	NO
3	1,2,3,4,7,8-HxCDD	1.39e5	2.84e5	1.34	1.23	NO	1.0334	34.89	34.89	NO	1.000	1.000	47.4	94.8	NO
4	1,2,3,6,7,8-HxCDD	1.67e5	4.38e5	1.24	1.15	NO	0.8823	34.89	34.91	NO	1.000	1.000	48.1	98.2	NO
5	1,2,3,7,8-HxCDD	1.35e5	3.09e5	1.24	1.23	NO	0.8899	36.19	36.20	NO	1.000	1.001	49.1	98.2	NO
6	1,2,3,4,6,7,8-HpCDD	0.94e4	2.31e5	1.04	1.01	NO	0.8830	36.72	36.73	NO	1.000	1.001	49.0	98.7	NO
7	OCDF	2.03e5	4.41e5	0.89	0.87	NO	0.9138	41.89	41.79	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	6.37e4	6.79e5	0.77	0.79	NO	0.7519	25.57	25.58	NO	1.001	1.001	98.9	98.9	NO
9	1,2,3,7,8-PeCDF	3.19e5	7.18e5	1.54	1.58	NO	0.8826	39.16	39.14	NO	1.001	1.000	48.9	97.7	NO
10	2,3,4,7,8-PeCDF	2.89e5	6.94e5	1.54	1.54	NO	0.9340	31.15	31.13	NO	1.001	1.000	48.8	93.3	NO
11	1,2,3,4,7,8-HxCDF	1.89e5	3.89e5	1.34	1.22	NO	0.8845	33.82	33.83	NO	1.000	1.000	50.3	101	NO
12	1,2,3,4,7,8-HxCDF	2.33e5	4.99e5	1.34	1.22	NO	0.8882	34.85	34.85	NO	1.000	1.001	52.9	100	NO
13	2,3,4,6,7,8-HxCDF	1.80e5	4.13e5	1.24	1.22	NO	0.9341	34.85	34.84	NO	1.001	1.001	50.1	100	NO
14	1,2,3,7,8-HxCDF	1.33e5	3.11e5	1.24	1.22	NO	0.8797	36.54	36.55	NO	1.000	1.000	49.3	98.8	NO
15	1,2,3,4,6,7,8-HpCDF	1.27e5	2.89e5	1.04	1.01	NO	0.8734	37.34	37.32	NO	1.001	1.000	50.4	101	NO
16	1,2,3,4,7,8-HpCDF	0.89e4	1.91e5	1.04	0.99	NO	1.0139	39.39	39.28	NO	1.000	1.000	59.2	100	NO
17	1,2,3,7,8-PeCDD	0.74e5	8.94e5	0.77	0.77	NO	1.1853	28.48	28.44	NO	1.028	1.028	98.1	98.1	NO
18	1,2,3,7,8-PeCDD	4.84e5	8.94e5	0.63	0.61	NO	0.9499	31.64	31.42	NO	1.227	1.219	92.1	92.1	NO
19	1,2,3,4,7,8-HxCDD	2.84e5	4.18e5	1.34	1.27	NO	0.7799	34.89	34.79	NO	1.014	1.014	87.1	87.1	NO
20	1,2,3,4,7,8-HxCDD	4.38e5	4.18e5	1.24	1.24	NO	1.0167	34.91	34.89	NO	1.017	1.017	102	102	NO



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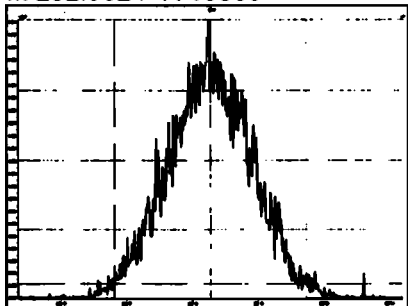
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Printed: Sunday, June 07, 2020 09:30:46 Pacific Daylight Time

Name: 200607R1_1, Date: 07-Jun-2020, Time: 08:40:46, ID: ST200607R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

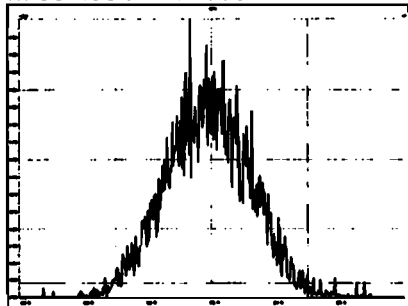


Printed: Sunday, June 07, 2020 21:11:16 Pacific Daylight Time

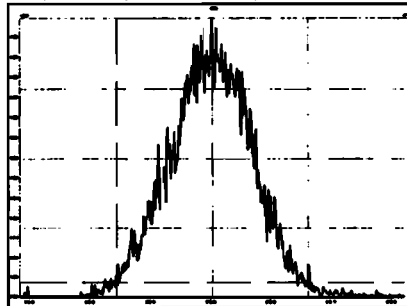
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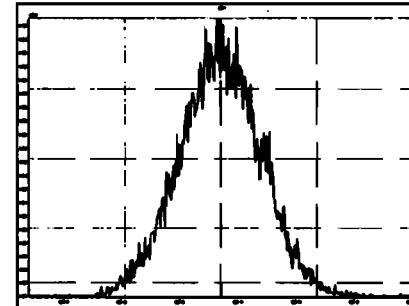
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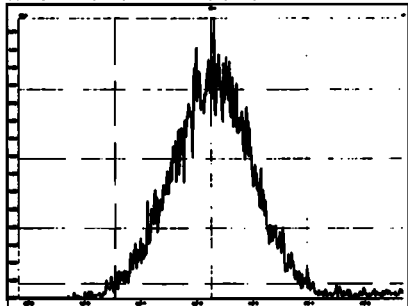
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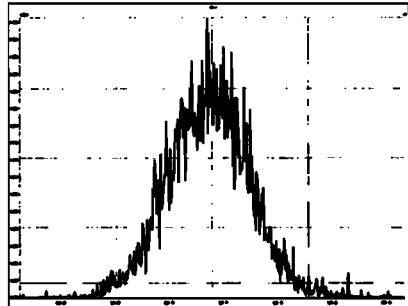
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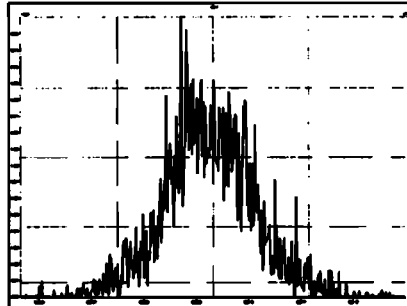
M 342.9792 R 10615



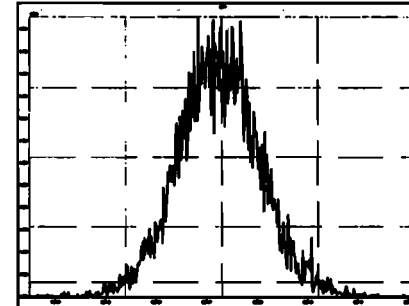
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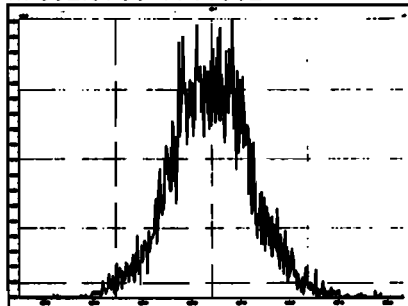
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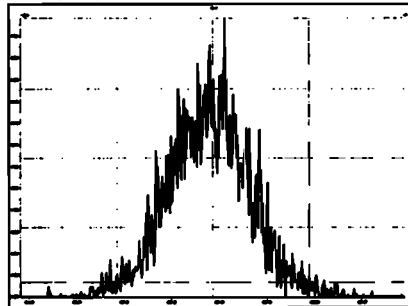
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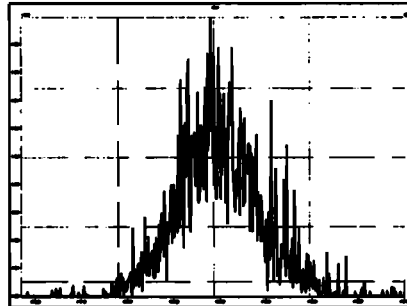
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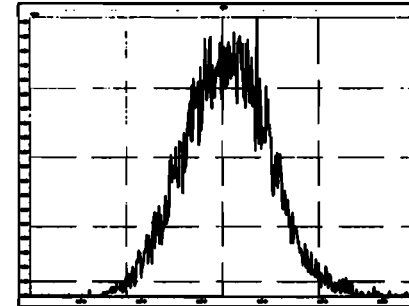
M 404.9760 R 12629



M 416.9760 R 16114

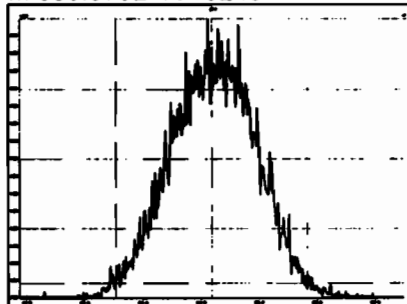


M 318.9792 R 10288

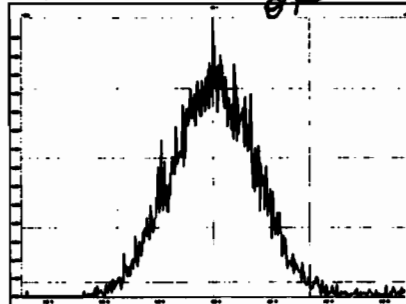


Printed: Sunday, June 07, 2020 21:11:16 Pacific Daylight Time

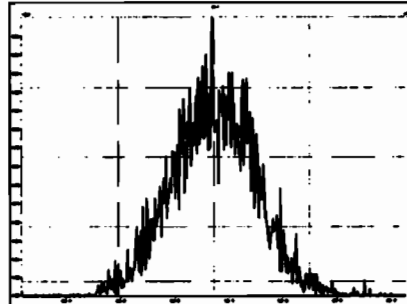
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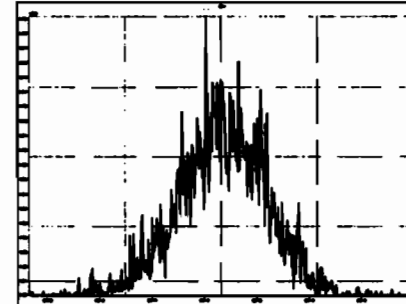
M 342.9792 R 9888 *OK*



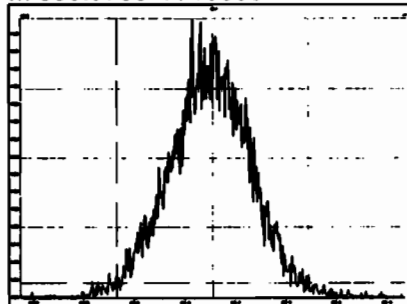
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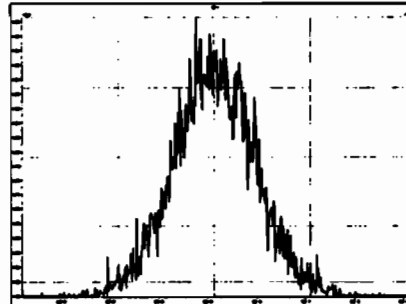
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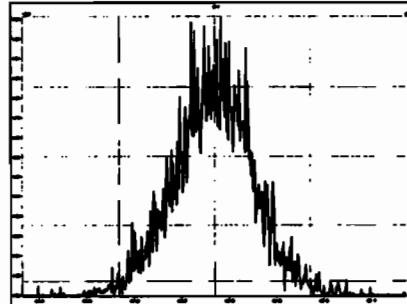
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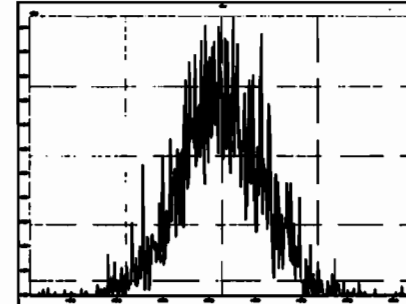
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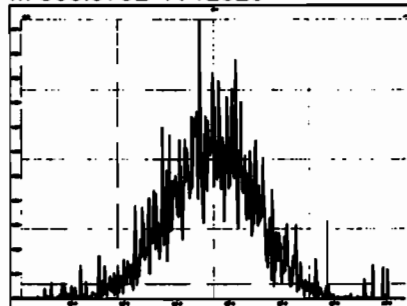
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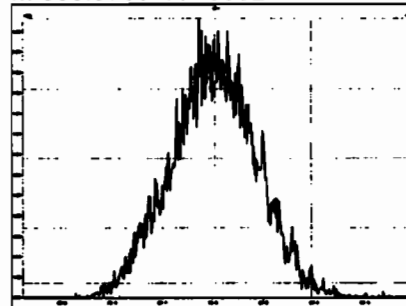
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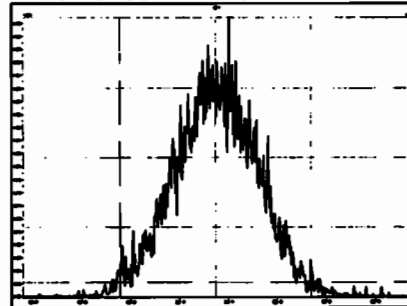
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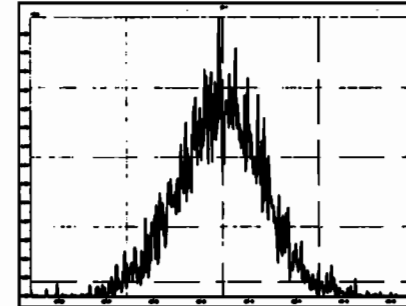
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M 392.9760 R 10039

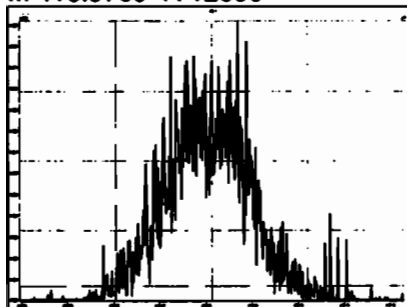


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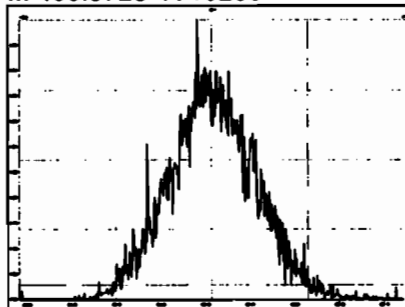


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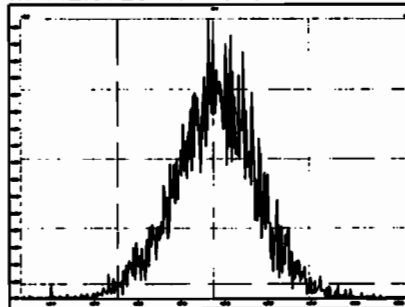
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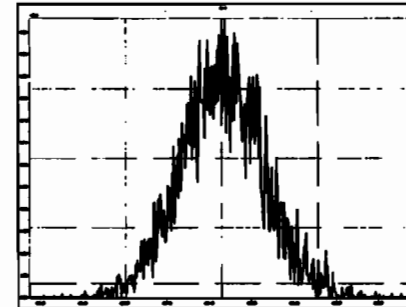
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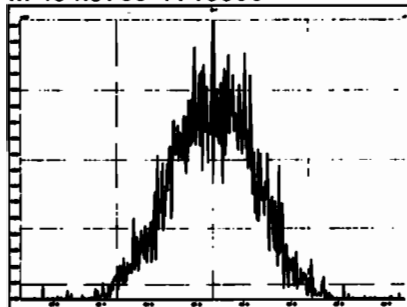
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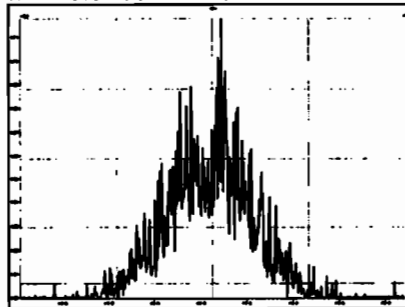
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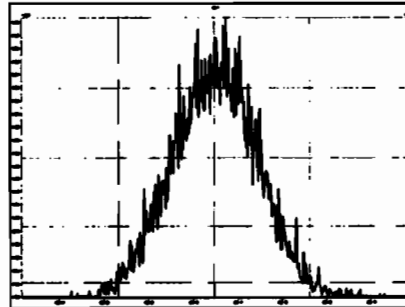
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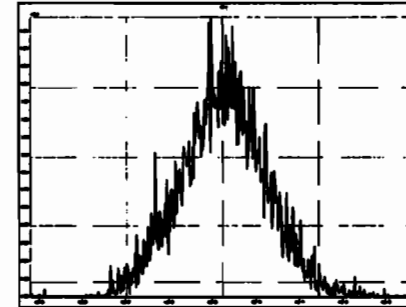
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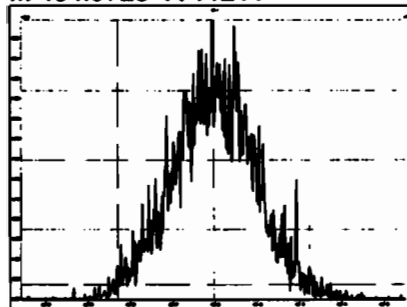
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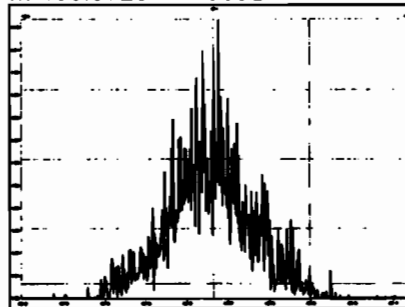
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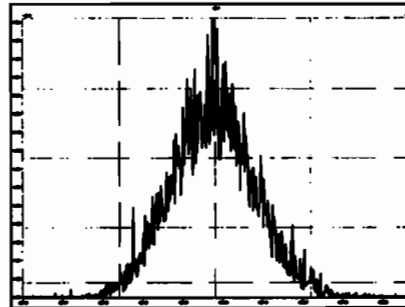
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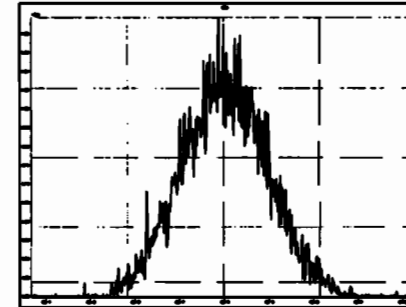
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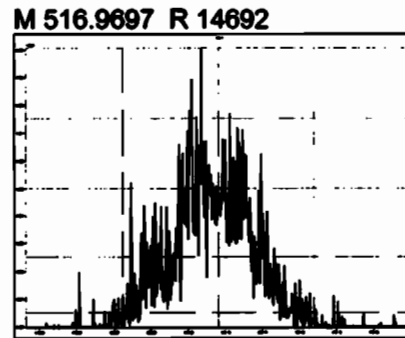
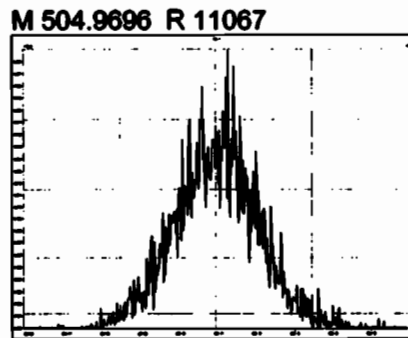
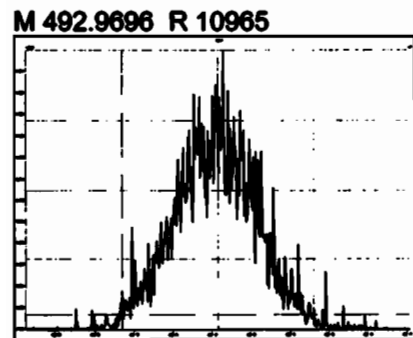
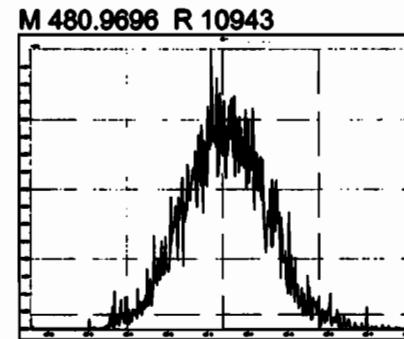
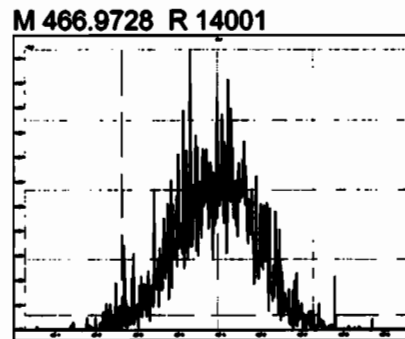
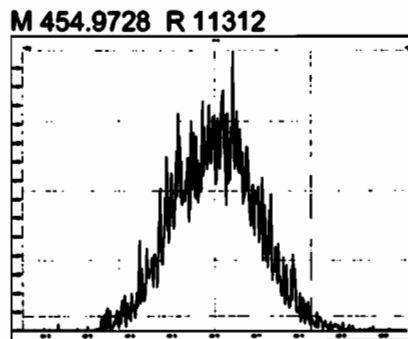
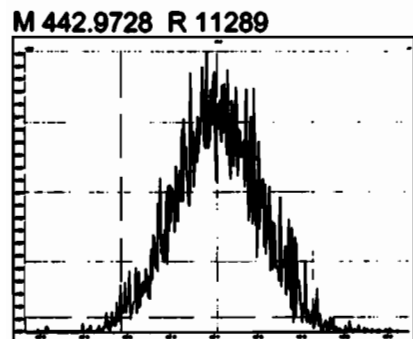
M 480.9696 R 10647



M 430.9728 R 10510



Printed: Sunday, June 07, 2020 21:11:16 Pacific Daylight Time



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200623DZ-1

Reviewed By: CT 06/24/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u>DB</u>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	N
- Bottle position verified?	<u>DB</u>	

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%		<input type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 10:31:12 Pacific Daylight Time

DB 6/24/20 CM 06/24/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 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
1	1 2,3,7,8-TCDD	5.18e3	0.78	NO	0.986	1.000	26.082	26.08	1.001	1.001	9.0592	90.6 <i>78-129</i>	0.226	9.06
2	2 1,2,3,7,8-PeCDD	1.87e4	0.63	NO	0.964	1.000	30.630	30.63	1.001	1.001	45.716	91.4 <i>78-130</i>	0.309	45.7
3	3 1,2,3,4,7,8-HxCDD	1.69e4	1.31	NO	1.16	1.000	33.916	33.93	1.000	1.001	46.645	93.3 <i>78-128</i>	0.485	46.6
4	4 1,2,3,6,7,8-HxCDD	1.75e4	1.20	NO	1.01	1.000	34.016	34.03	1.000	1.000	42.919	85.8 <i>78-128</i>	0.464	42.9
5	5 1,2,3,7,8,9-HxCDD	1.60e4	1.26	NO	1.01	1.000	34.346	34.32	1.001	1.000	44.550	89.1 <i>82-122</i>	0.580	44.6
6	6 1,2,3,4,6,7,8-HpCDD	1.31e4	1.03	NO	0.997	1.000	37.802	37.80	1.000	1.000	44.888	89.8 <i>86-116</i>	0.823	44.9
7	7 OCDD	2.38e4	0.90	NO	1.01	1.000	41.038	41.05	1.000	1.000	90.978	91.0 <i>79-126</i>	0.825	91.0
8	8 2,3,7,8-TCDF	6.68e3	0.81	NO	0.833	1.000	25.281	25.27	1.001	1.001	9.1543	91.5 <i>84-120</i>	0.208	9.15
9	9 1,2,3,7,8-PeCDF	3.08e4	1.60	NO	0.965	1.000	29.442	29.44	1.001	1.001	47.088	94.2 <i>82-120</i>	0.277	47.1
10	10 2,3,4,7,8-PeCDF	3.04e4	1.60	NO	1.01	1.000	30.357	30.33	1.001	1.000	46.621	93.2 <i>82-120</i>	0.271	46.6
11	11 1,2,3,4,7,8-HxCDF	2.48e4	1.28	NO	1.09	1.000	33.028	33.04	1.000	1.000	49.810	99.6 <i>90-112</i>	0.420	49.8
12	12 1,2,3,6,7,8-HxCDF	2.73e4	1.32	NO	1.07	1.000	33.159	33.17	1.000	1.001	48.809	97.6 <i>88-114</i>	0.361	48.8
13	13 2,3,4,6,7,8-HxCDF	2.50e4	1.26	NO	1.15	1.000	33.775	33.75	1.001	1.000	47.348	94.7 <i>88-114</i>	0.443	47.3
14	14 1,2,3,7,8,9-HxCDF	1.98e4	1.28	NO	1.11	1.000	34.685	34.70	1.000	1.000	47.985	96.0 <i>90-112</i>	0.645	48.0
15	15 1,2,3,4,6,7,8-HpCDF	2.04e4	1.03	NO	1.16	1.000	36.554	36.53	1.001	1.000	46.494	93.0 <i>90-110</i>	0.576	46.5
16	16 1,2,3,4,7,8,9-HpCDF	1.69e4	1.04	NO	1.35	1.000	38.328	38.34	1.000	1.000	49.184	98.4 <i>86-116</i>	0.694	49.2
17	17 OCDF	2.92e4	0.86	NO	0.949	1.000	41.247	41.27	1.000	1.001	97.560	97.6 <i>63-159</i>	0.658	97.6
18	18 13C-2,3,7,8-TCDD	5.80e4	0.79	NO	1.26	1.000	26.147	26.05	1.026	1.022	94.755	94.8 <i>82-121</i>	1.35	
19	19 13C-1,2,3,7,8-PeCDD	4.25e4	0.62	NO	0.921	1.000	30.633	30.61	1.202	1.201	94.878	94.9 <i>62-160</i>	0.444	
20	20 13C-1,2,3,4,7,8-HxCDD	3.12e4	1.38	NO	0.707	1.000	33.902	33.91	1.014	1.014	98.710	98.7 <i>85-117</i>	0.890	
21	21 13C-1,2,3,6,7,8-HxCDD	4.06e4	1.32	NO	0.829	1.000	34.013	34.02	1.017	1.017	109.72	110 <i>85-118</i>	0.760	
22	22 13C-1,2,3,7,8,9-HxCDD	3.57e4	1.18	NO	0.808	1.000	34.283	34.31	1.025	1.026	98.873	98.9 <i>85-118</i>	0.779	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.92e4	1.07	NO	0.662	1.000	37.747	37.79	1.129	1.130	98.942	98.9 <i>72-138</i>	1.44	
24	24 13C-OCDD	5.16e4	0.91	NO	0.608	1.000	40.770	41.04	1.219	1.227	190.18	95.1 <i>48-207</i>	1.02	
25	25 13C-2,3,7,8-TCDF	8.76e4	0.77	NO	1.07	1.000	25.230	25.26	0.990	0.991	101.68	102 <i>71-140</i>	1.01	
26	26 13C-1,2,3,7,8-PeCDF	6.79e4	1.67	NO	0.826	1.000	29.453	29.42	1.156	1.154	101.81	102 <i>76-130</i>	0.946	
27	27 13C-2,3,4,7,8-PeCDF	6.45e4	1.63	NO	0.796	1.000	30.352	30.33	1.191	1.190	100.43	100 <i>77-130</i>	0.981	
28	28 13C-1,2,3,4,7,8-HxCDF	4.54e4	0.49	NO	1.08	1.000	33.033	33.03	0.988	0.988	94.574	94.6 <i>76-131</i>	0.864	
29	29 13C-1,2,3,6,7,8-HxCDF	5.24e4	0.48	NO	1.12	1.000	33.167	33.15	0.992	0.991	104.41	104 <i>70-143</i>	0.826	
30	30 13C-2,3,4,6,7,8-HxCDF	4.58e4	0.47	NO	1.02	1.000	33.738	33.74	1.009	1.009	100.11	100 <i>73-137</i>	0.907	
31	31 13C-1,2,3,7,8,9-HxCDF	3.70e4	0.52	NO	0.887	1.000	34.638	34.69	1.036	1.037	93.550	93.6 <i>74-135</i>	1.05	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 10:31:12 Pacific Daylight Time

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.78e4	0.44	NO	0.811	1.000	36.343	36.52	1.087	1.092	104.52	105 78-129	0.981	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.55e4	0.43	NO	0.598	1.000	38.349	38.33	1.147	1.146	95.545	95.5 77-129	1.33	
34	34 13C-OCDF	6.30e4	0.89	NO	0.752	1.000	40.923	41.25	1.224	1.234	187.72	93.0 48-207	0.909	
35	35 37Cl-2,3,7,8-TCDD	5.26e3			1.24	1.000	26.145	26.07	1.026	1.023	8.7030	87.0 79-127	0.145	
36	36 13C-1,2,3,4-TCDD	4.86e4	0.84	NO	1.00	1.000	25.480	25.48	1.000	1.000	100.00	100	1.70	
37	37 13C-1,2,3,4-TCDF	8.07e4	0.79	NO	1.00	1.000	24.020	24.02	1.000	1.000	100.00	100	1.07	
38	38 13C-1,2,3,4,6,9-HxCDF	4.46e4	0.50	NO	1.00	1.000	33.530	33.43	1.000	1.000	100.00	100	0.929	

Dataset: Untitled

Last Altered: Wednesday, June 24, 2020 10:33:04 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 10:33:22 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.61
2	2 1,2,8,9-TCDD (Last)	26.94
3	3 1,2,4,7,9-PeCDD (First)	28.58
4	4 1,2,3,8,9-PeCDD (Last)	30.99
5	5 1,2,4,6,7,9-HxCDD (First)	32.40
6	6 1,2,3,7,8,9-HxCDD (Last)	34.32
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.93
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.80
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.07
11	11 1,3,4,6,8-PeCDF (First)	27.04
12	12 1,2,3,8,9-PeCDF (Last)	31.21
13	13 1,2,3,4,6,8-HxCDF (First)	31.86
14	14 1,2,3,7,8,9-HxCDF (Last)	34.70
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.53
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.34

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, June 24, 2020 10:29:10 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 10:29:27 Pacific Daylight Time

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

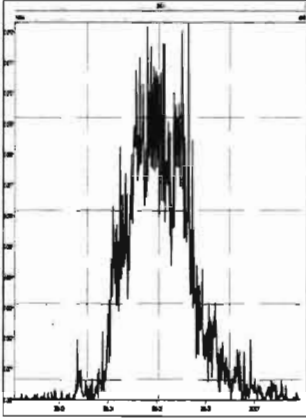
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Compound name: 2,3,7,8-TCDD

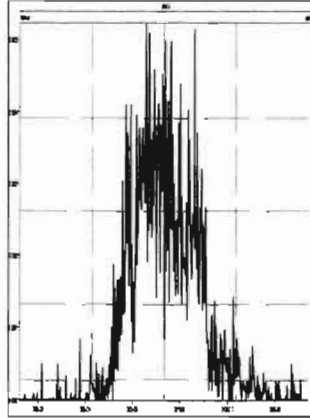
	Name	ID	Acq.Date	Acq.Time
1	200623D2_1	SOLVENT BLANK	23-Jun-20	21:25:21
2	200623D2_2	ST200623D2-1 1613 CS3 19L2305	23-Jun-20	22:10:32
3	200623D2_3	B0F0086-BS1 OPR 10	23-Jun-20	22:55:42
4	200623D2_4	SOLVENT BLANK	23-Jun-20	23:40:53
5	200623D2_5	B0F0086-BLK1 Method Blank 10	24-Jun-20	00:26:03
6	200623D2_6	B0F0086-DUP1 Duplicate 16.73	24-Jun-20	01:11:12
7	200623D2_7	2000996-02RE1 PDI-054SC-A-10-11.1-20042...	24-Jun-20	01:56:22
8	200623D2_8	2001007-04RE1 PDI-058SC-B-00-02-200505 ...	24-Jun-20	02:41:32
9	200623D2_9	2001007-05RE1 PDI-058SC-B-02-05-200505 ...	24-Jun-20	03:26:41
10	200623D2_10	2001007-06RE1 PDI-058SC-B-05-07-200505 ...	24-Jun-20	04:11:51

Printed: Tuesday, June 23, 2020 21:25:23 Pacific Daylight Time

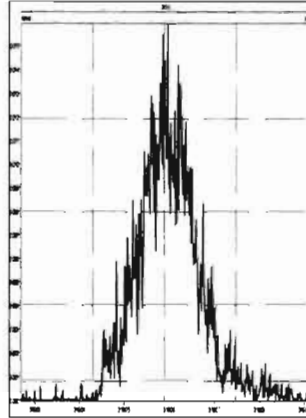
M 292.9824 R 12202



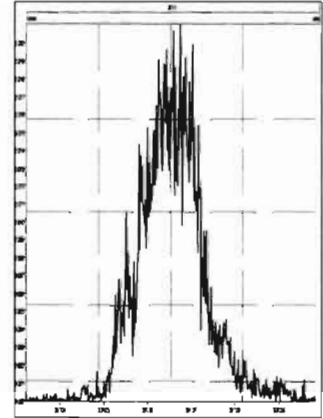
M 304.9824 R 14839



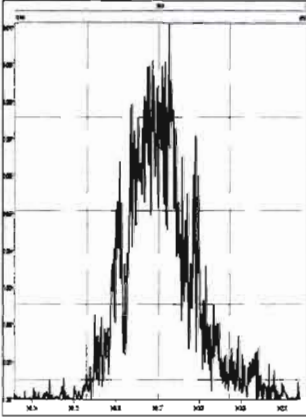
M 318.9792 R 12261



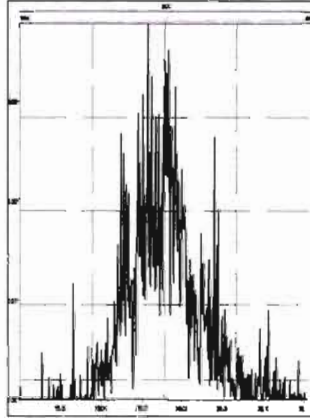
M 330.9792 R 11860



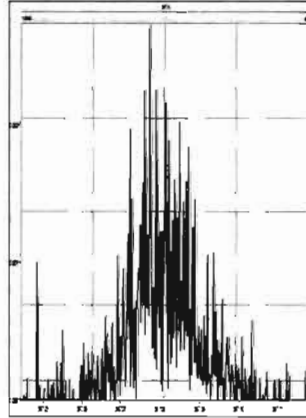
M 342.9792 R 13715



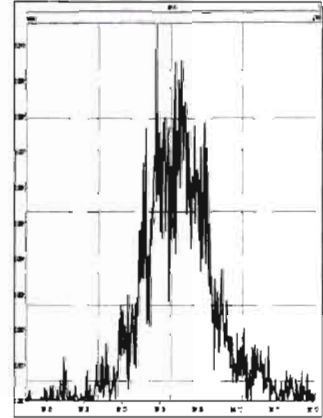
M 354.9792 R 14946



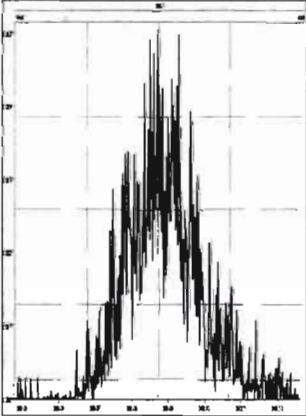
M 366.9792 R 21635



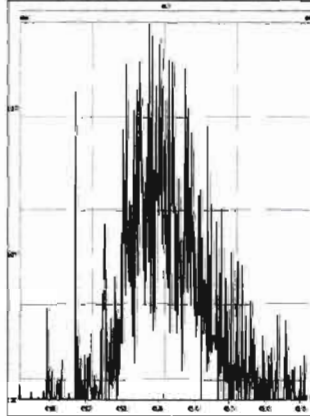
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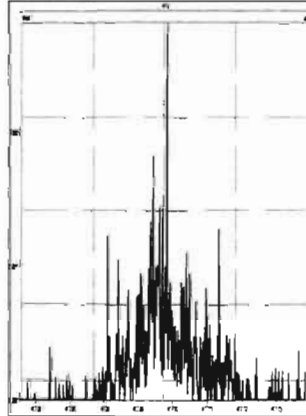
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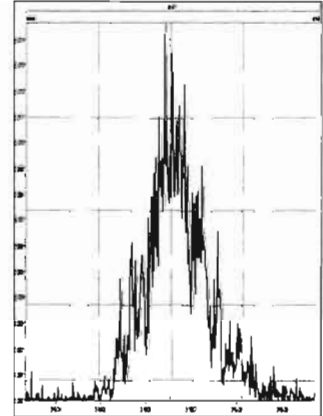
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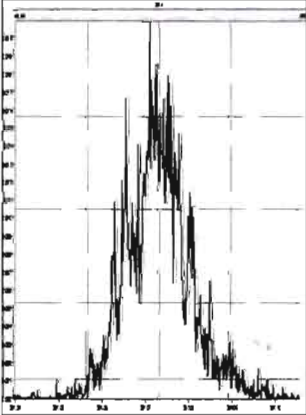
M 416.9760 R 28582



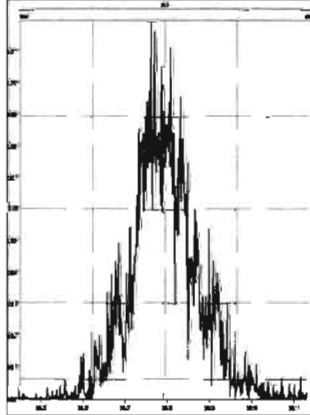
M 318.9792 R 10753



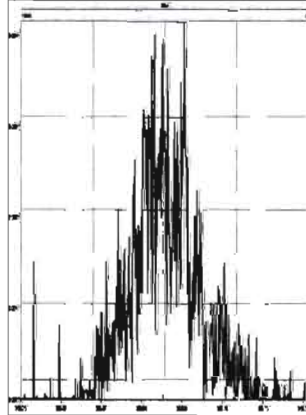
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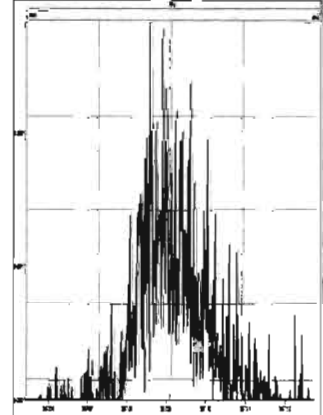
M 342.9792 R 10357



M 354.9792 R 15549

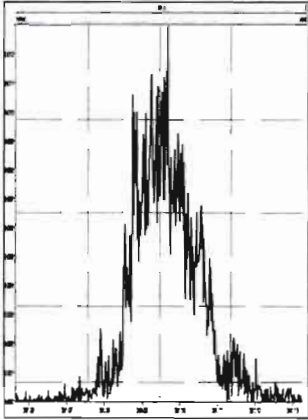


M 366.9792 R 18605

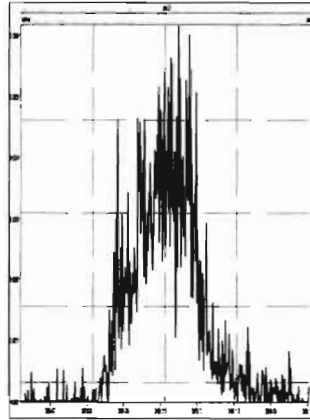


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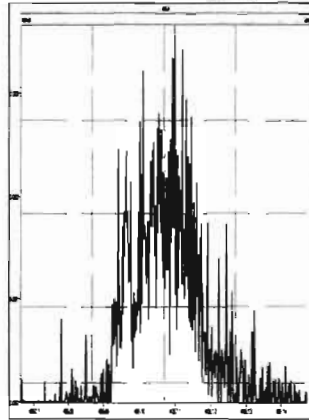
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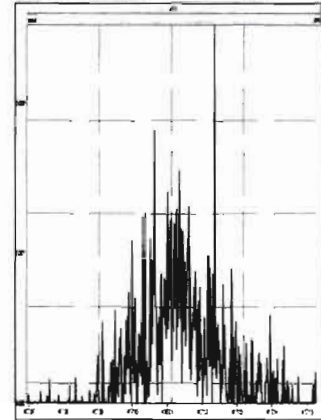
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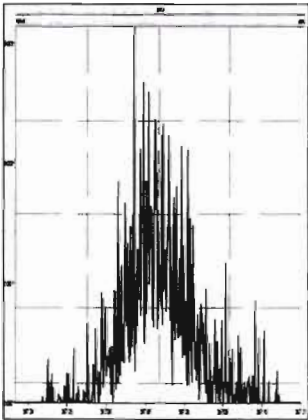
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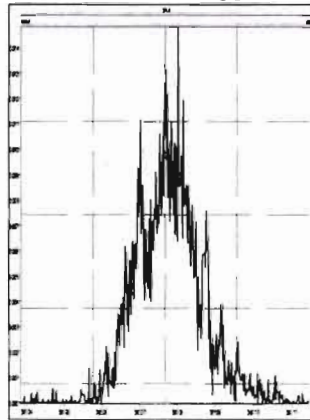
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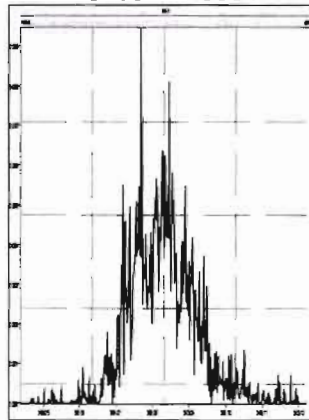
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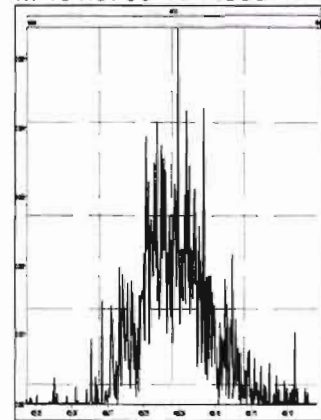
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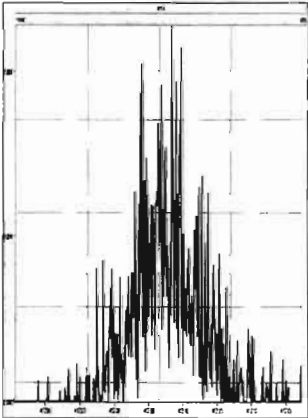
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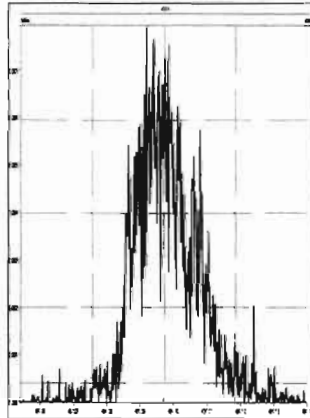
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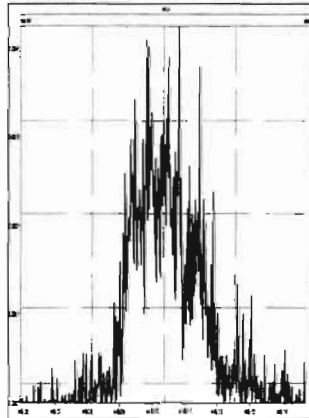
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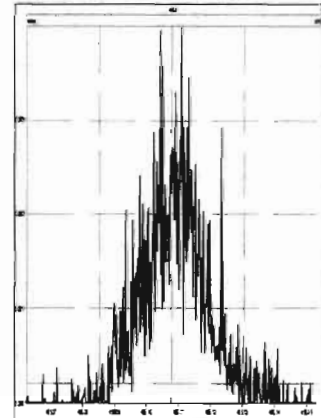
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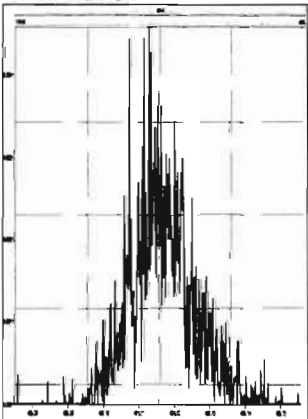
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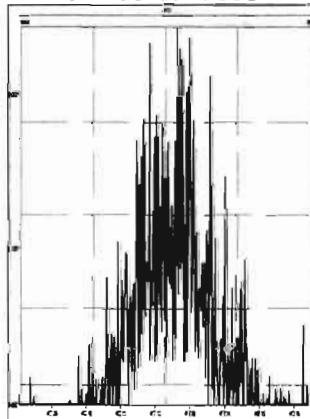
M 454.9728 R 14619



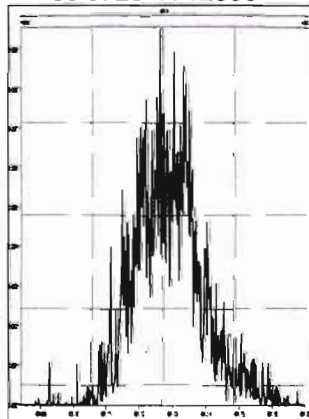
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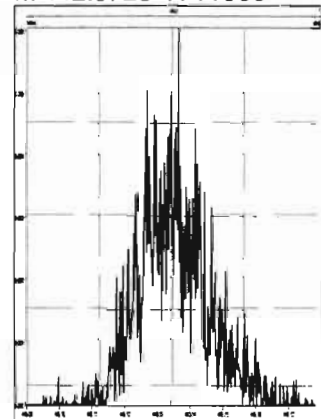
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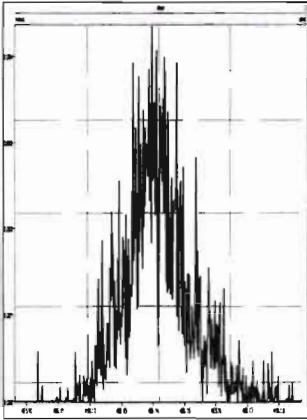


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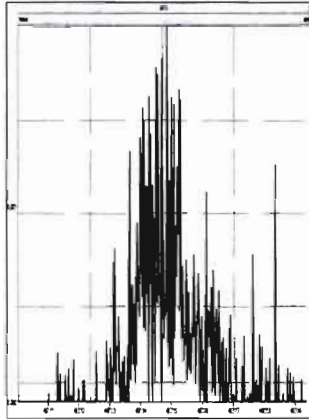


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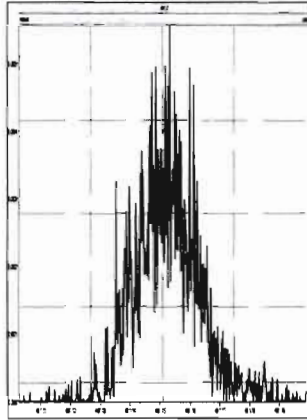
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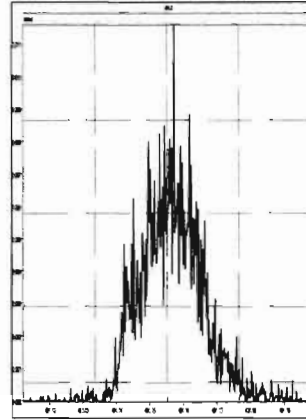
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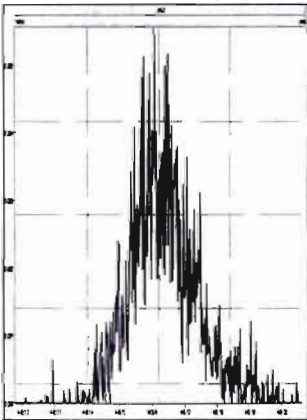
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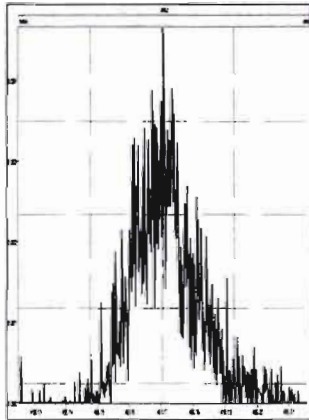
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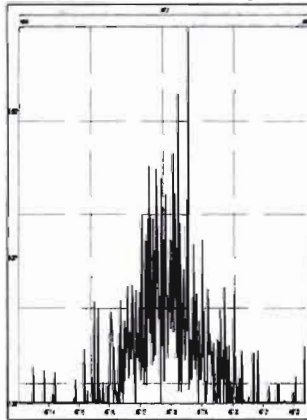
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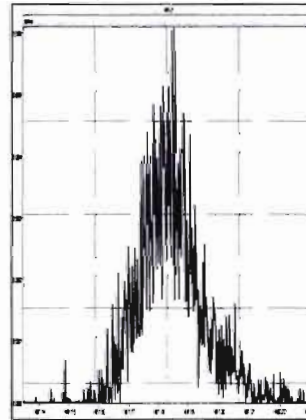
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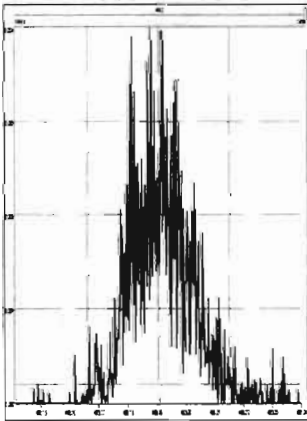
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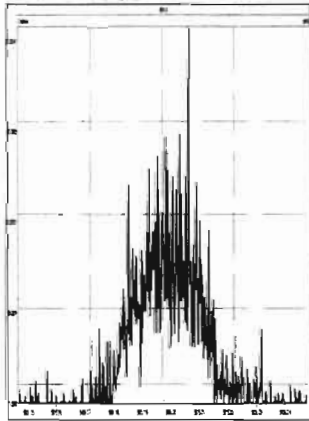
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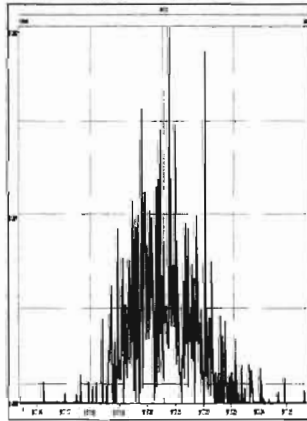
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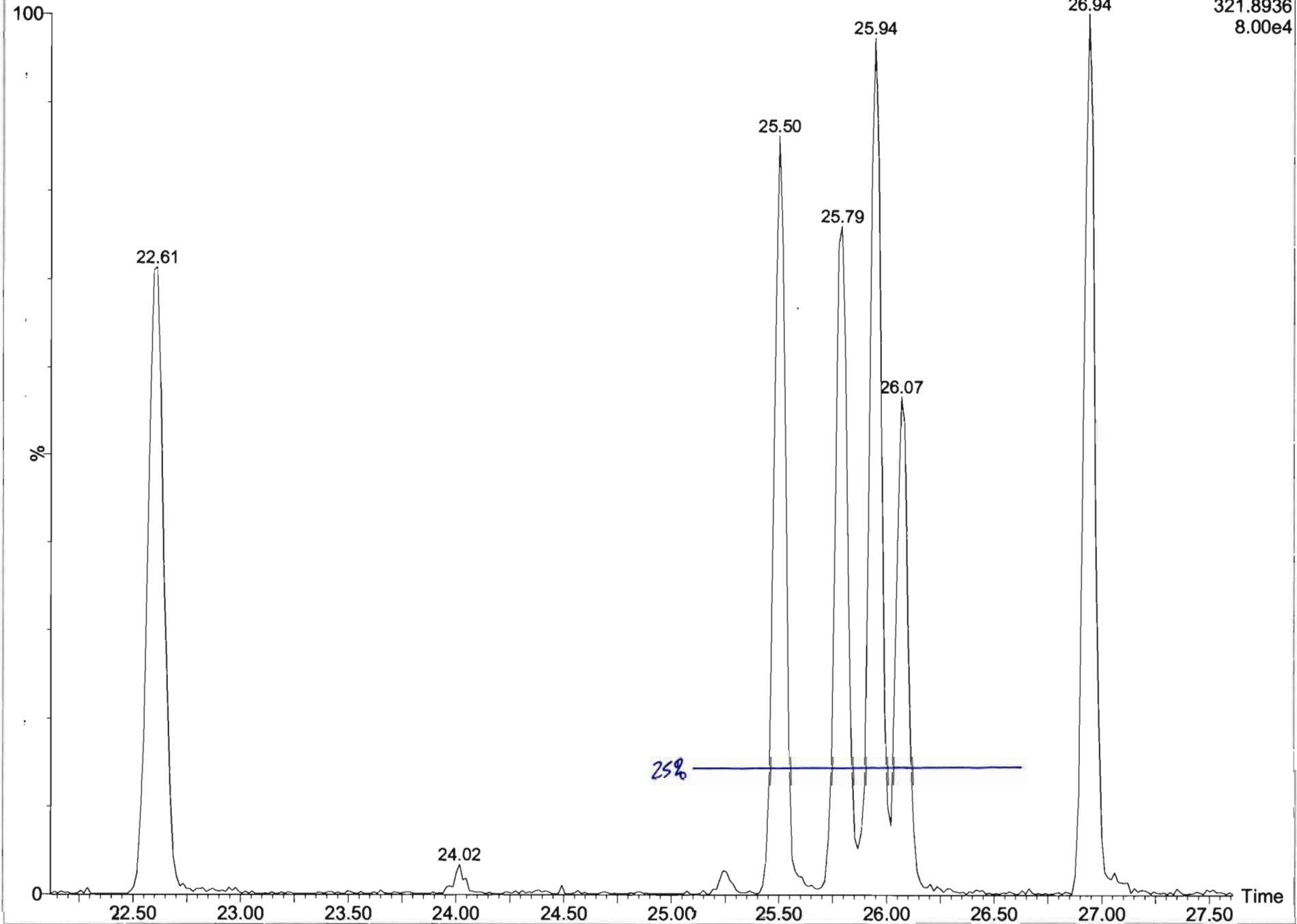


M 504.9696 R 14498



M 516.9697 R 36676





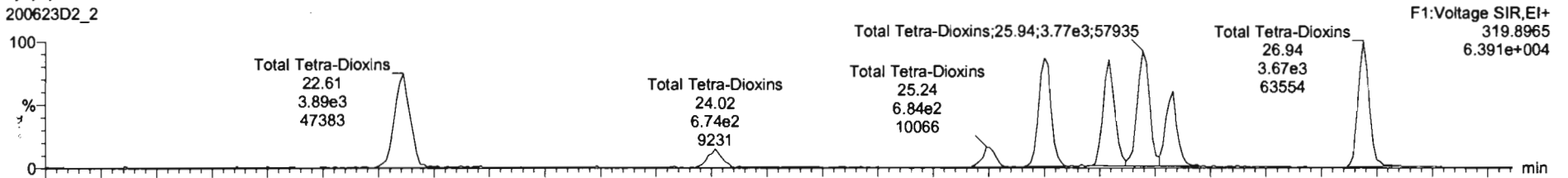
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Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

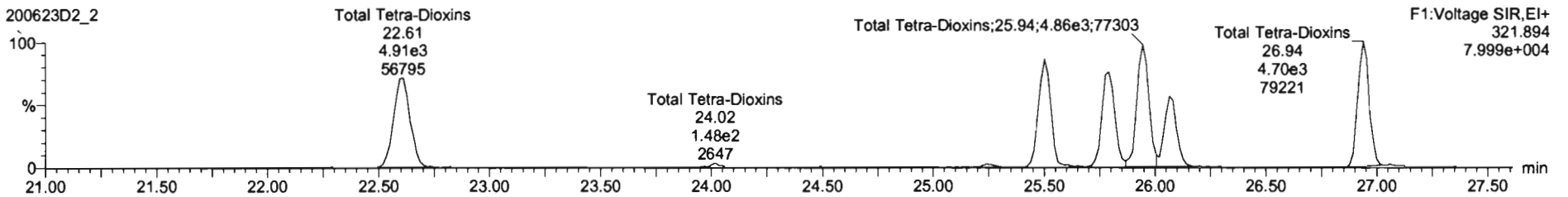
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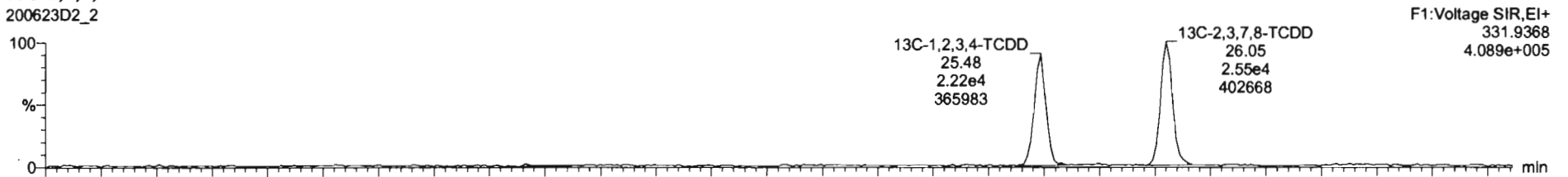
2,3,7,8-TCDD
200623D2_2



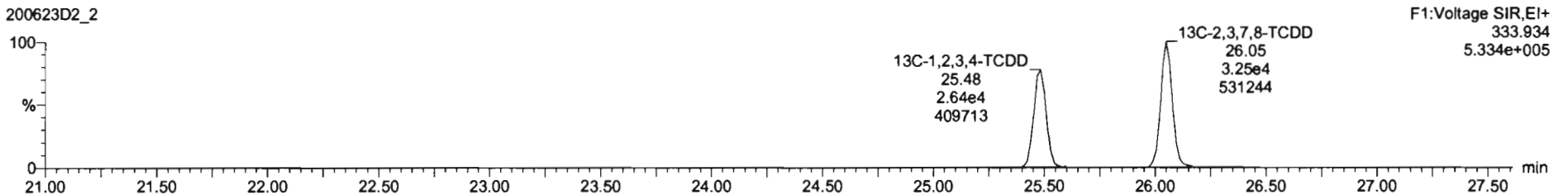
200623D2_2



13C-2,3,7,8-TCDD
200623D2_2



200623D2_2

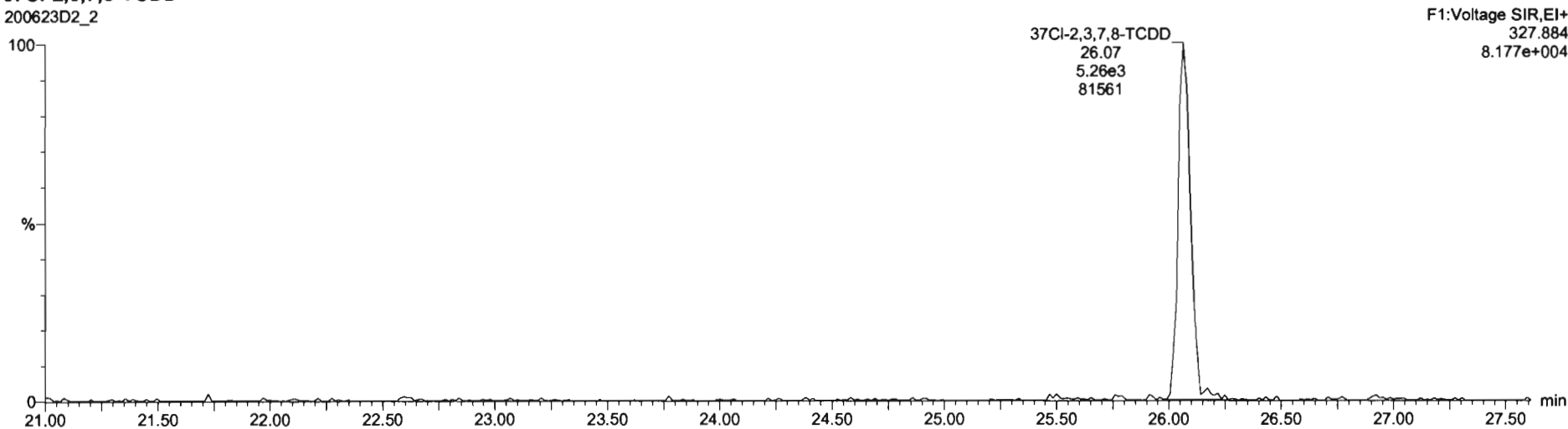


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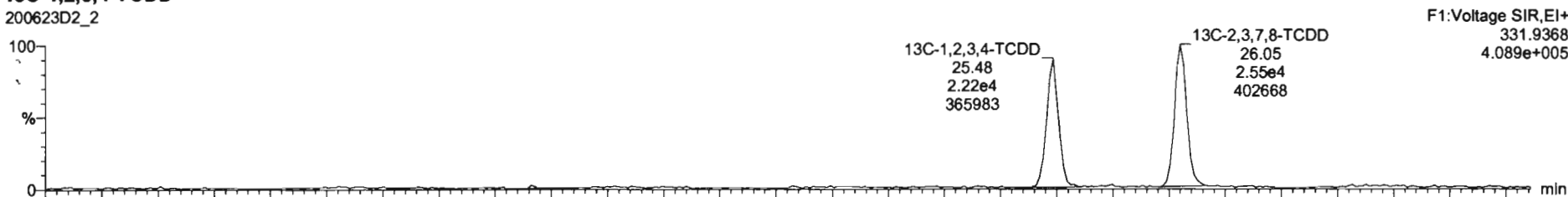
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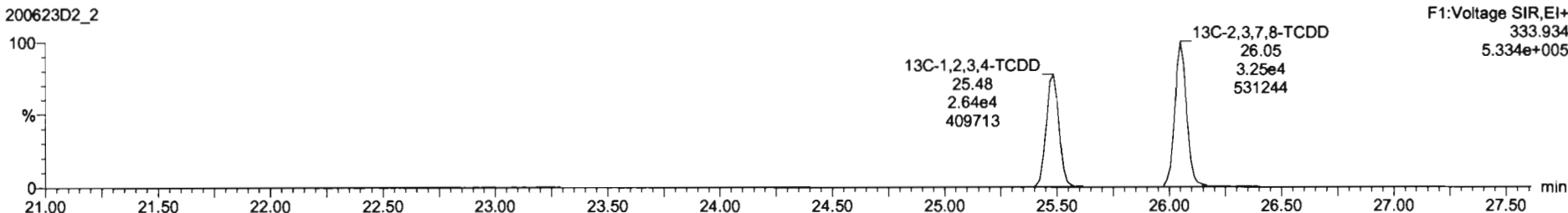
37Cl-2,3,7,8-TCDD
200623D2_2



13C-1,2,3,4-TCDD
200623D2_2



200623D2_2



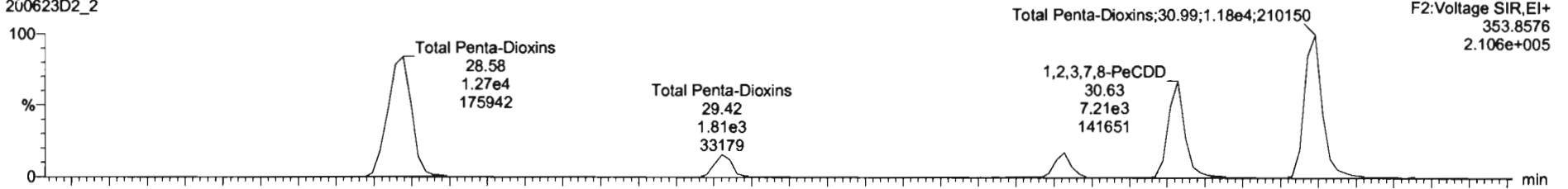
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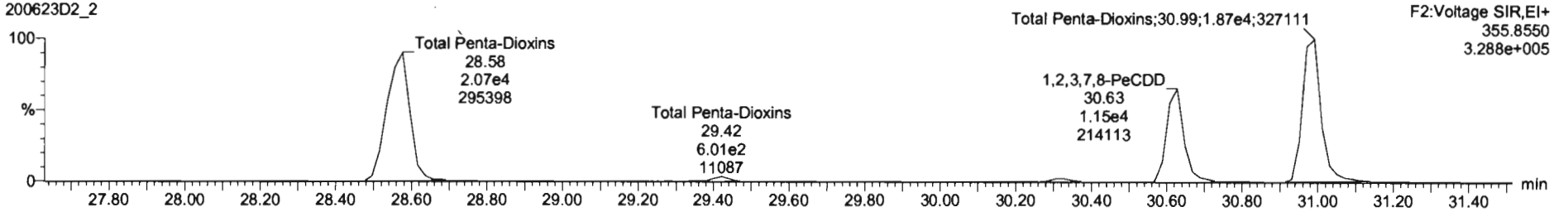
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1,2,3,7,8-PeCDD

200623D2_2

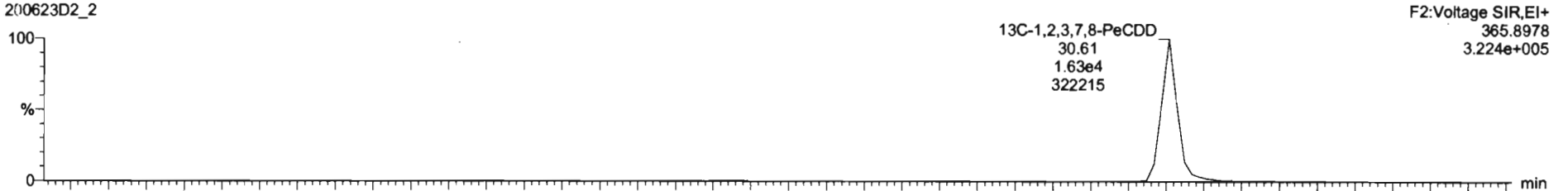


200623D2_2

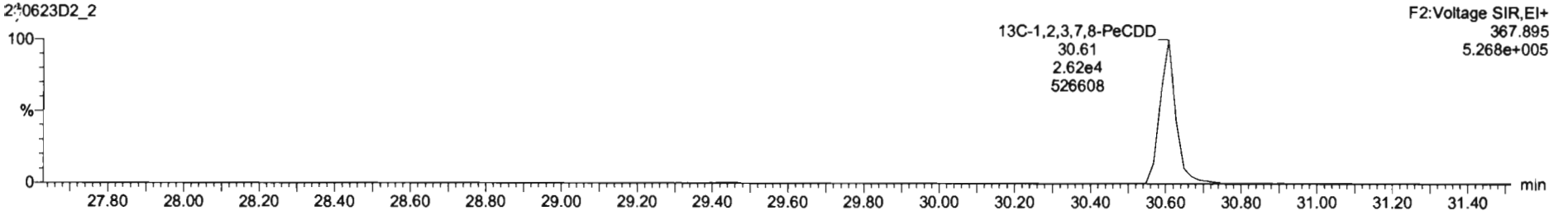


13C-1,2,3,7,8-PeCDD

200623D2_2



200623D2_2



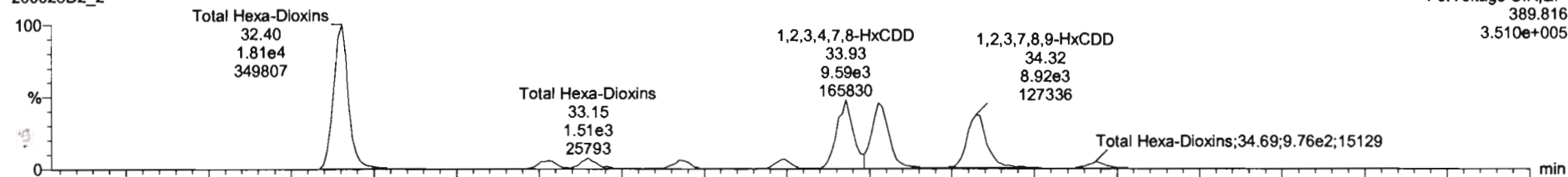
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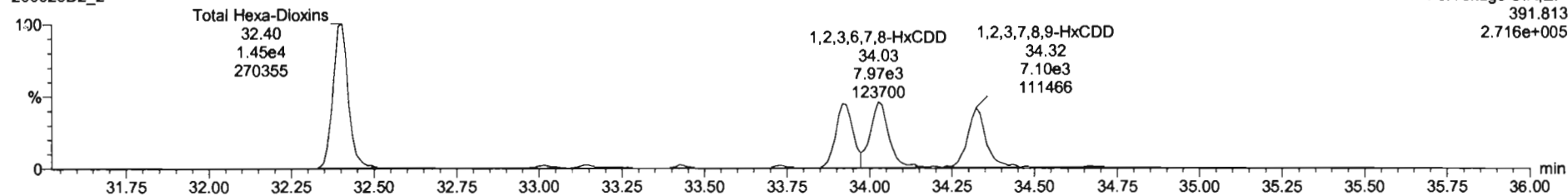
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1,2,3,4,7,8-HxCDD

200623D2_2

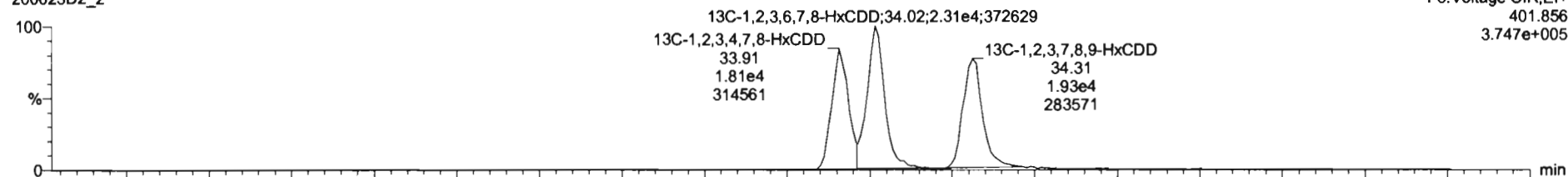


200623D2_2

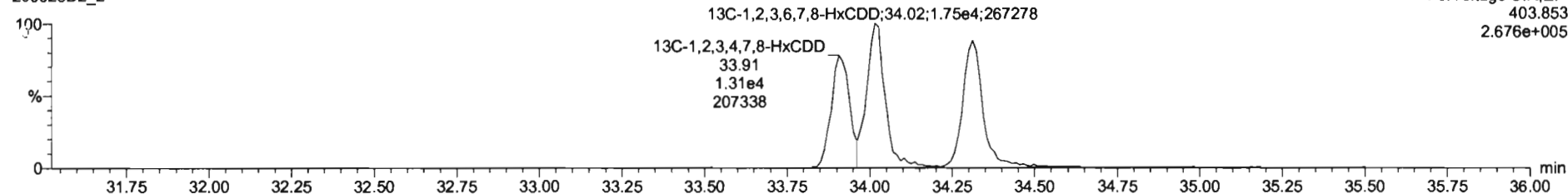


13C-1,2,3,4,7,8-HxCDD

200623D2_2



200623D2_2



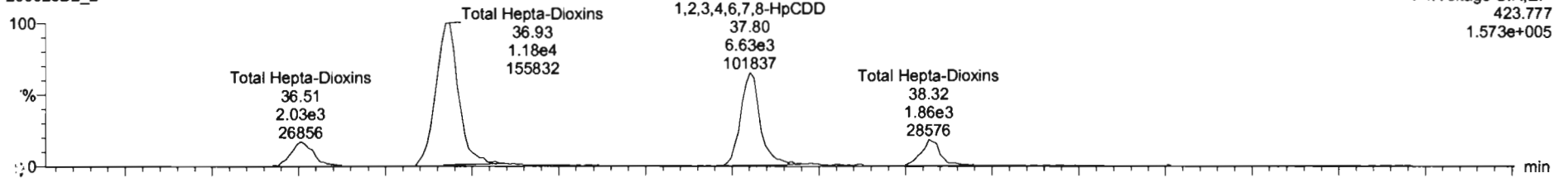
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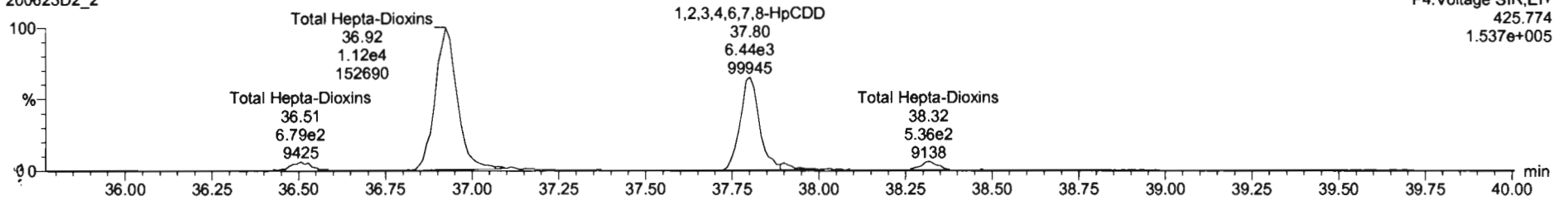
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1,2,3,4,6,7,8-HpCDD

200623D2_2

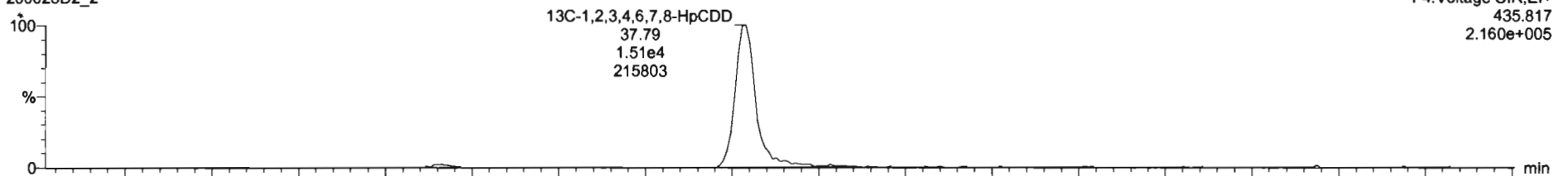


200623D2_2

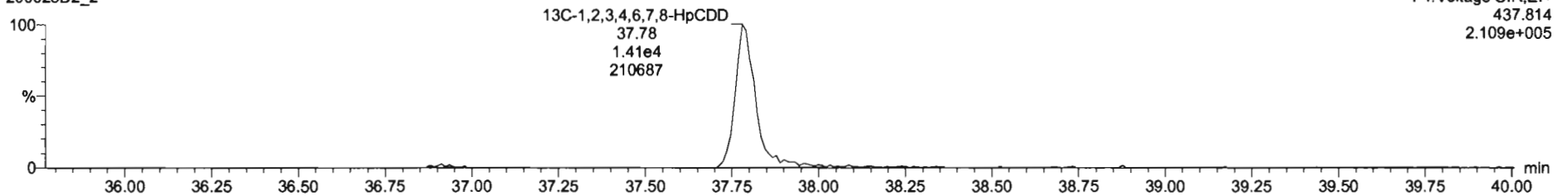


13C-1,2,3,4,6,7,8-HpCDD

200623D2_2



200623D2_2



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

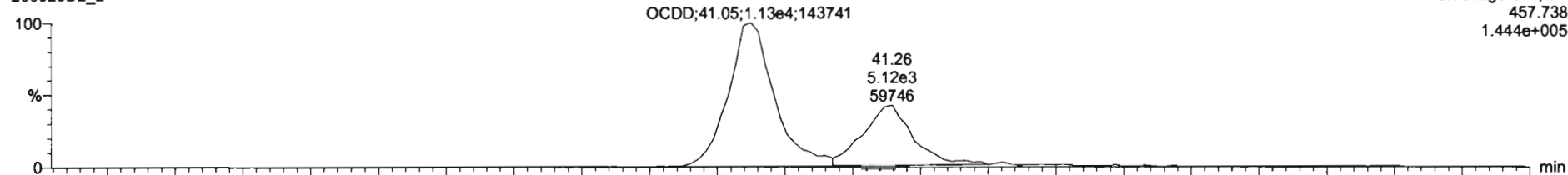
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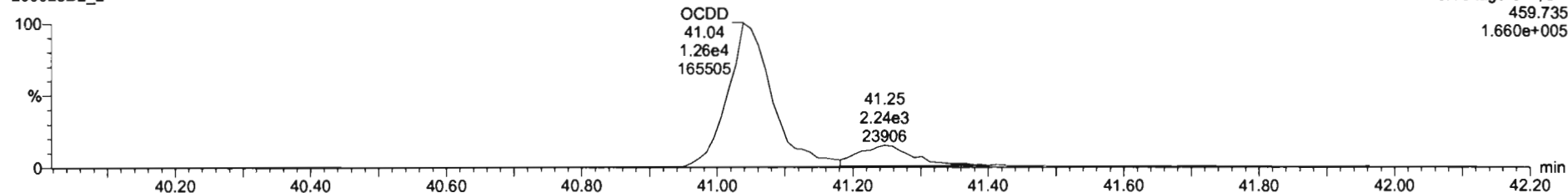
OCDD

200623D2_2



F5:Voltage SIR,EI+
457.738
1.444e+005

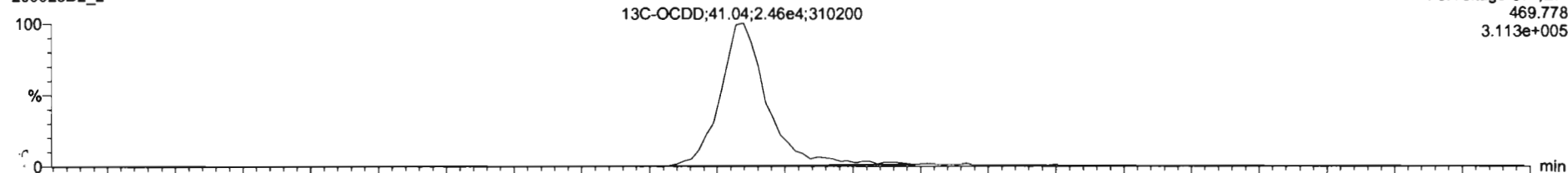
200623D2_2



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1.660e+005

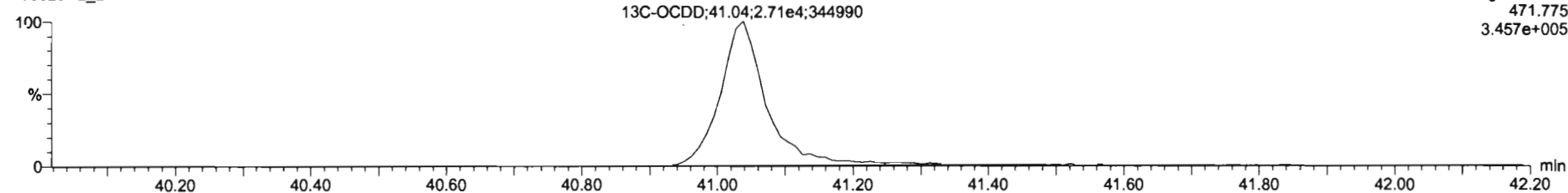
13C-OCDD

200623D2_2



F5:Voltage SIR,EI+
469.778
3.113e+005

200623D2_2



F5:Voltage SIR,EI+
471.775
3.457e+005

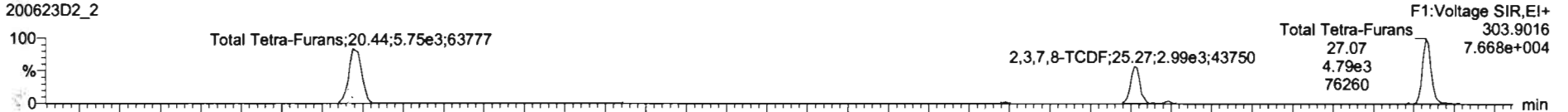
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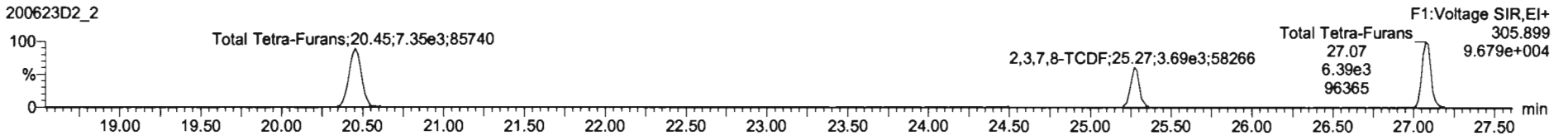
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2,3,7,8-TCDF

200623D2_2

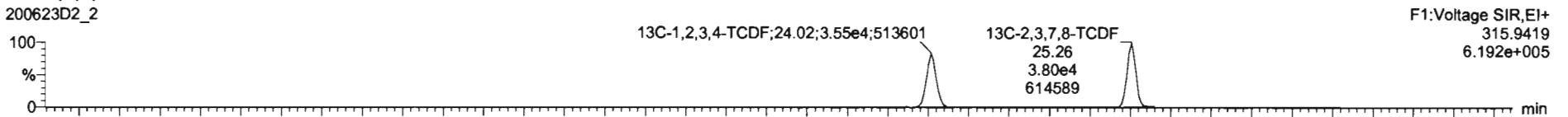


200623D2_2

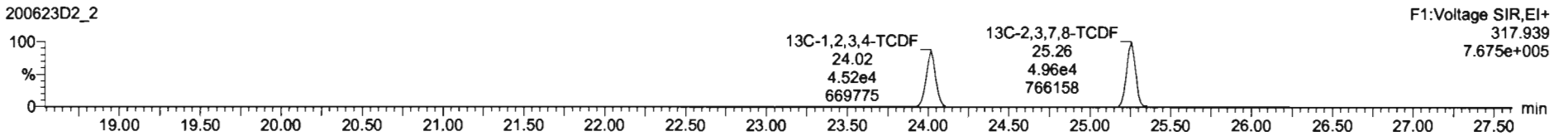


13C-2,3,7,8-TCDF

200623D2_2

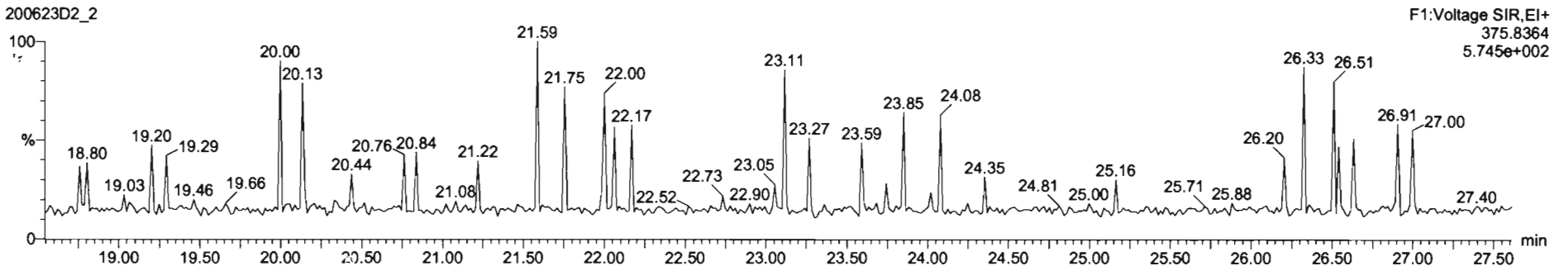


200623D2_2



DPE1

200623D2_2



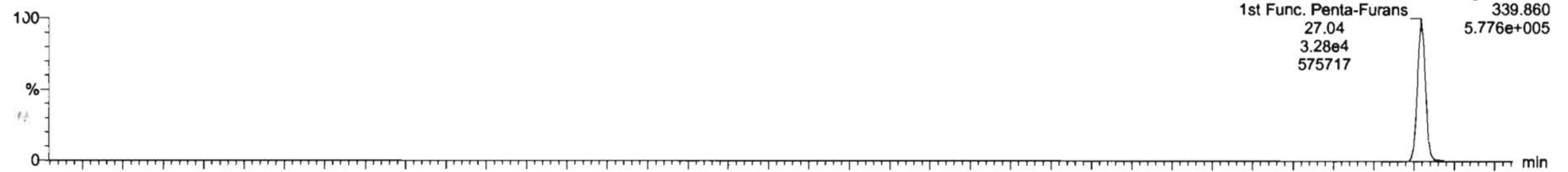
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Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

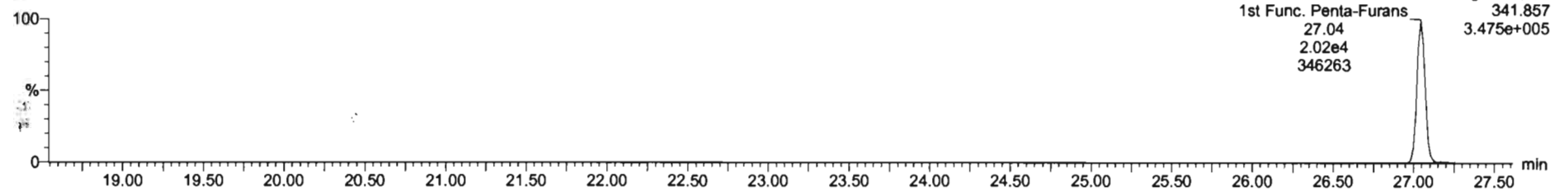
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1st Func. Penta-Furans

200623D2_2

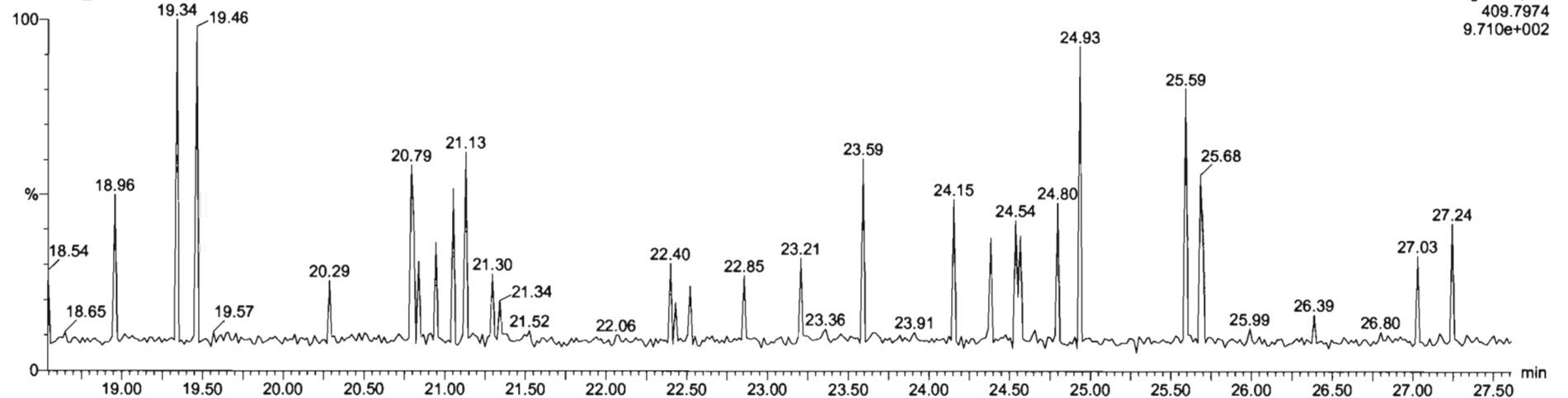


200623D2_2



DPE6

200623D2_2

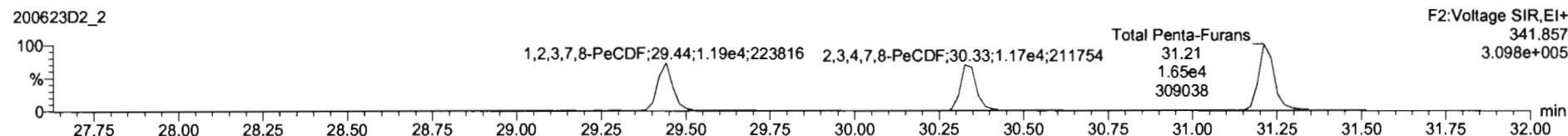
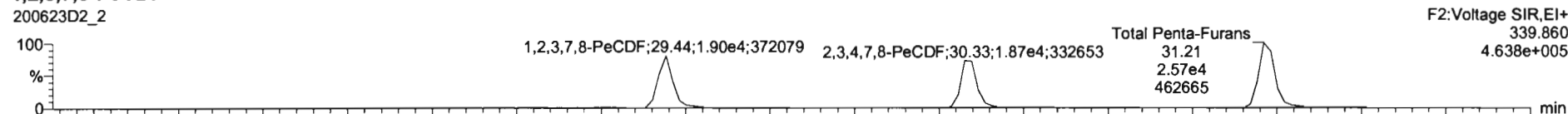


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

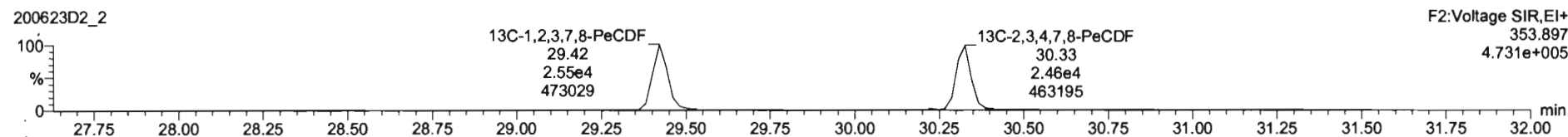
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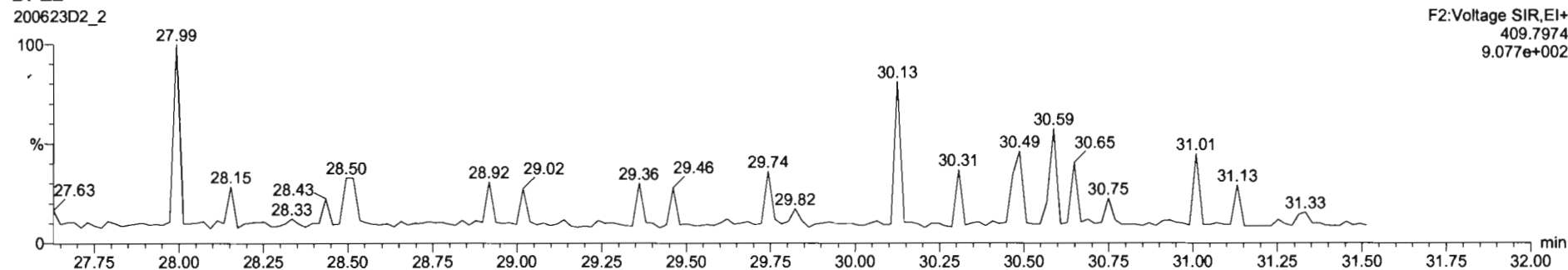
1,2,3,7,8-PeCDF



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



DPE2

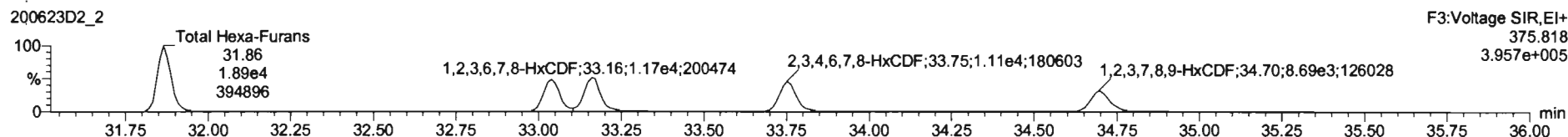
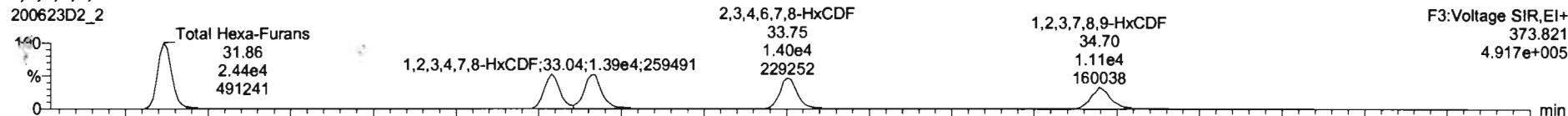


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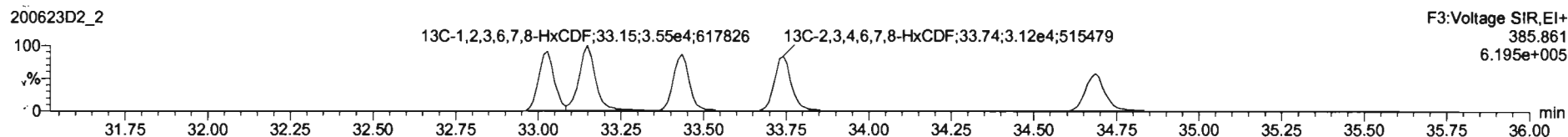
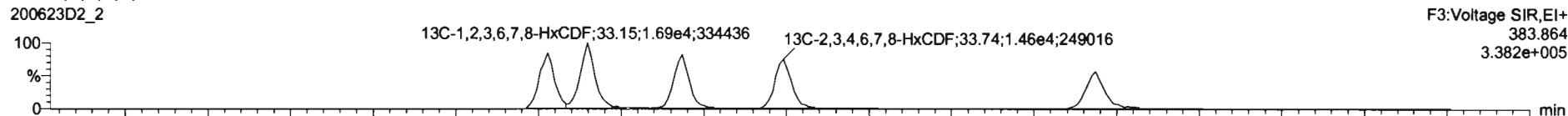
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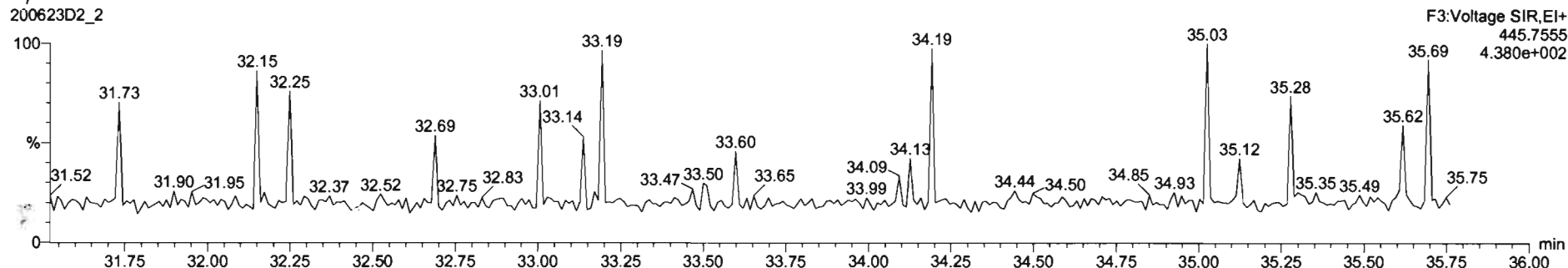
1,2,3,4,7,8-HxCDF



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



DPE3

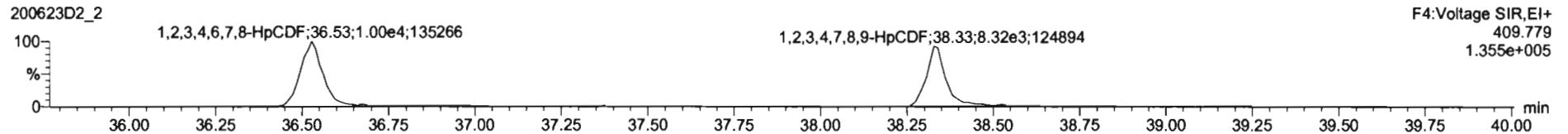
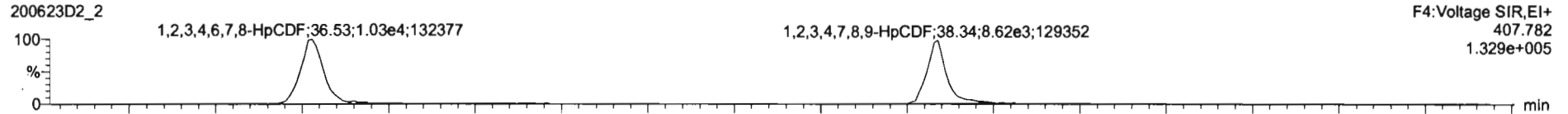


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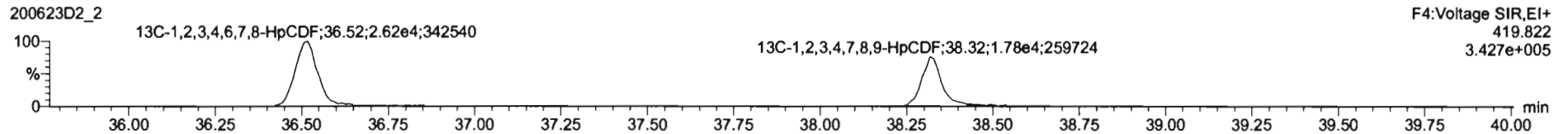
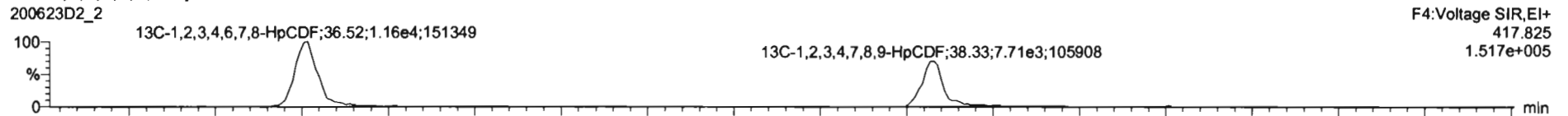
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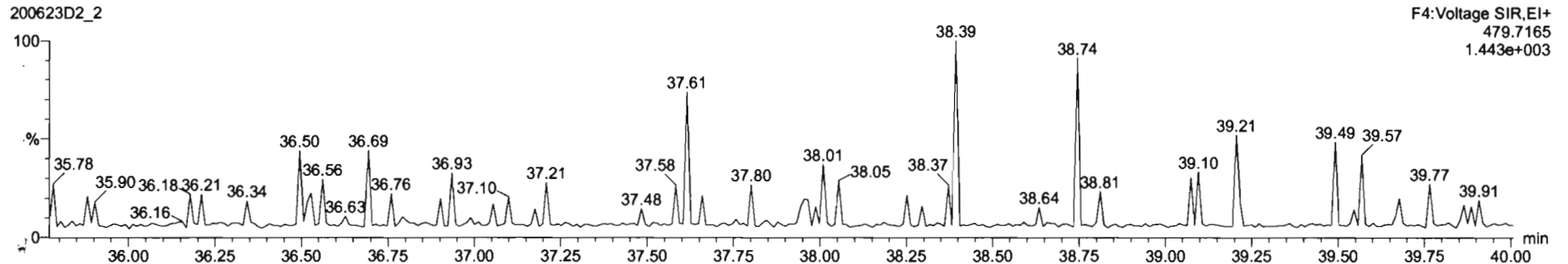
1,2,3,4,6,7,8-HpCDF



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



DPE4



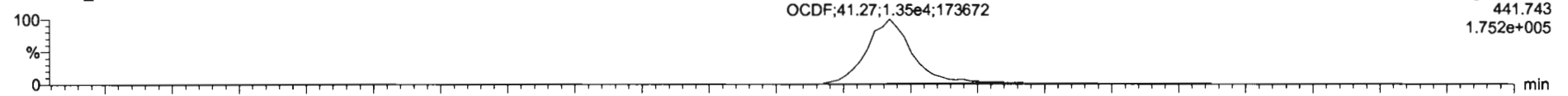
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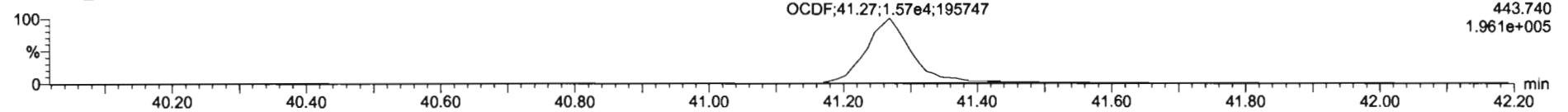
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OCDF

200623D2_2

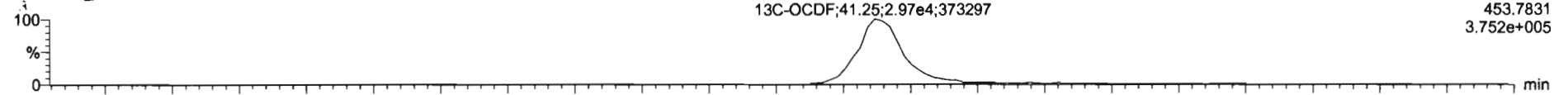


200623D2_2

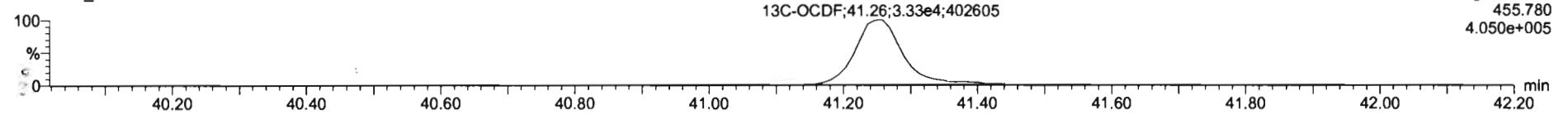


13C-OCDF

200623D2_2

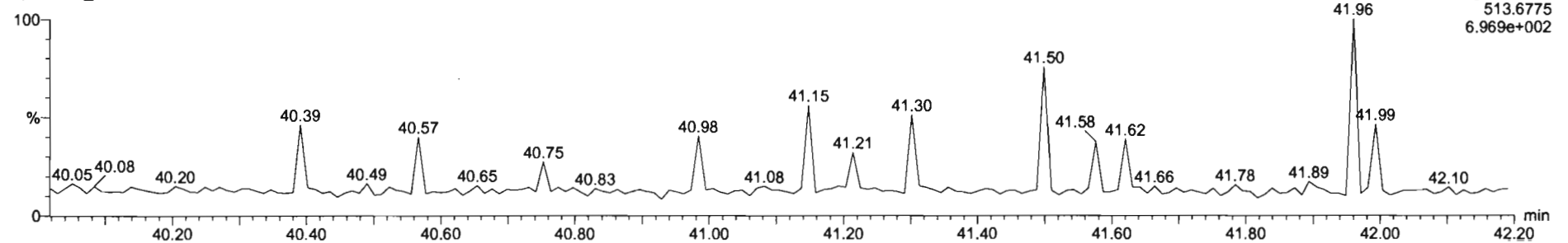


200623D2_2



DPE5

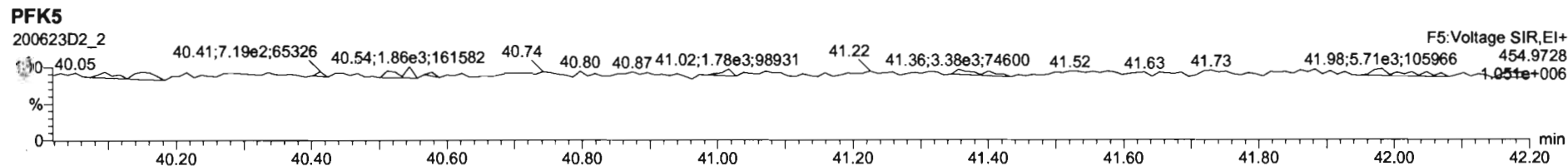
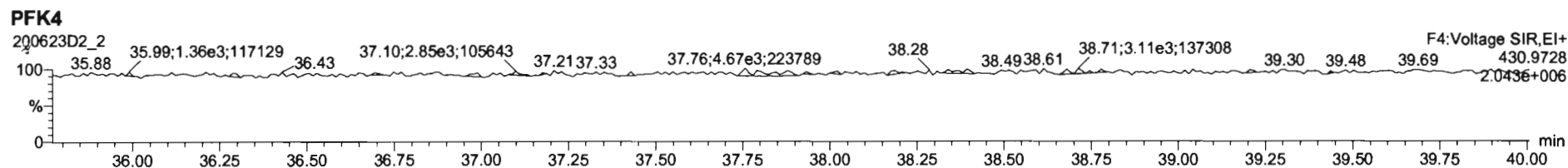
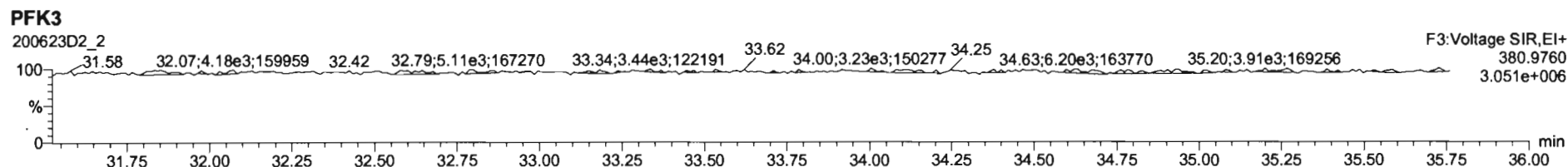
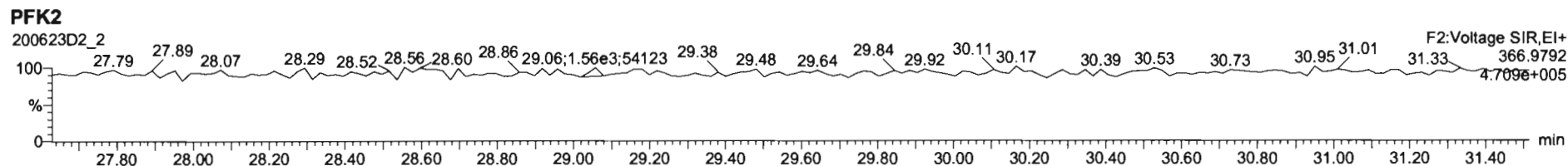
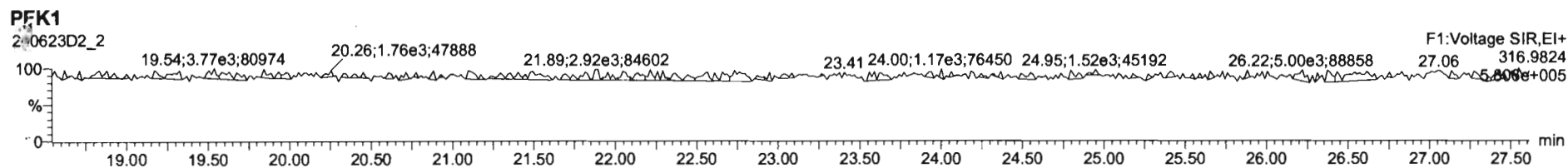
200623D2_2



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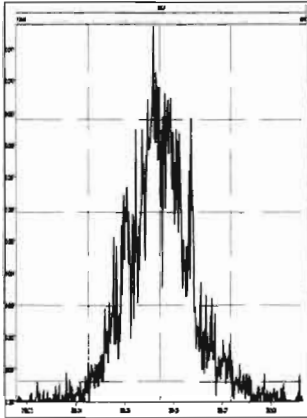
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Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

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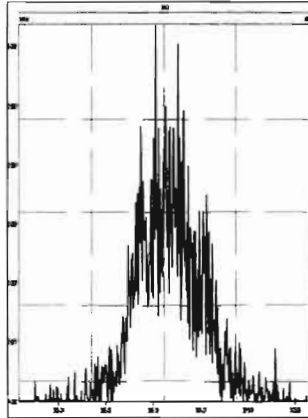


Printed: Wednesday, June 24, 2020 05:05:31 Pacific Daylight Time

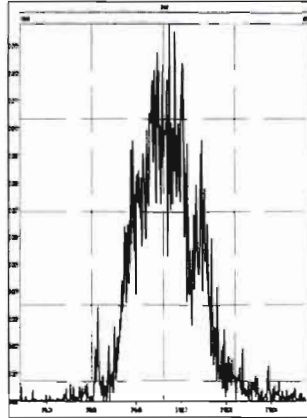
M 292.9824 R 12166



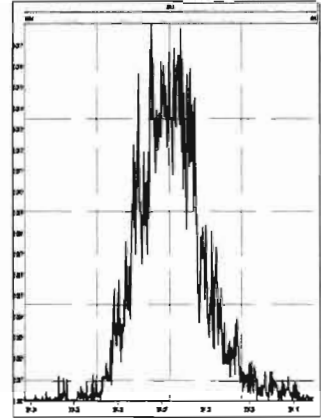
M 304.9824 R 14226



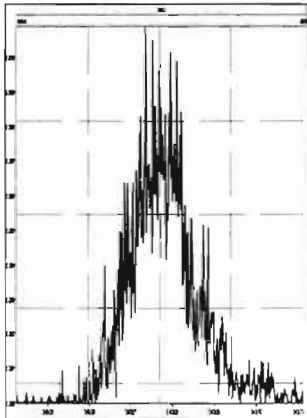
M 318.9792 R 12502



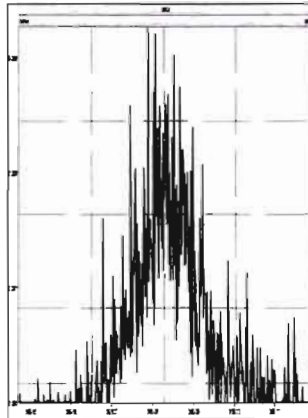
M 330.9792 R 11696



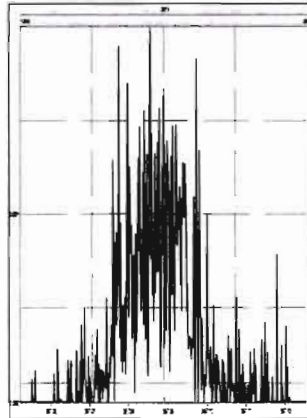
M 342.9792 R 12809



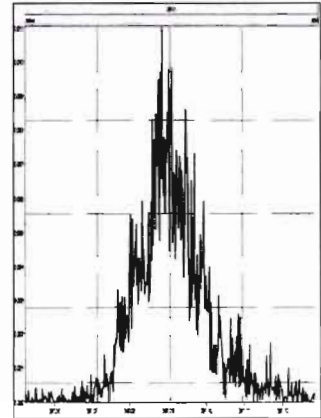
M 354.9792 R 15434



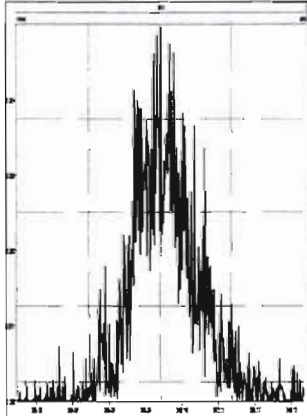
M 366.9792 R 20396



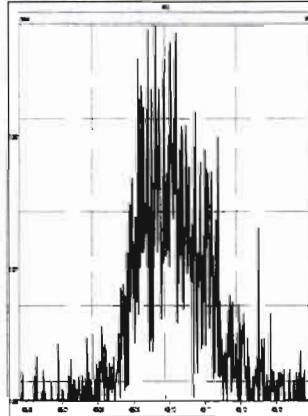
M 380.9760 R 12169



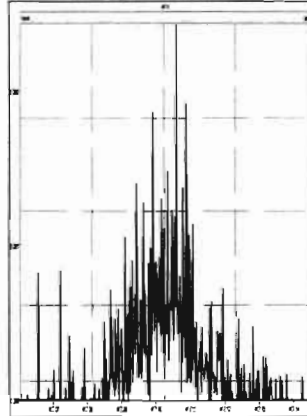
M 392.9760 R 13735



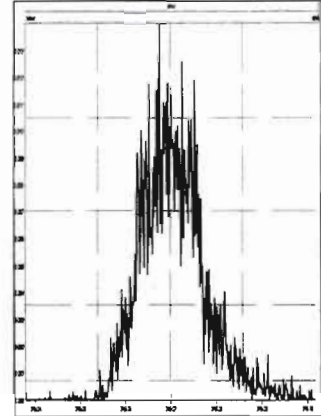
M 404.9760 R 19901



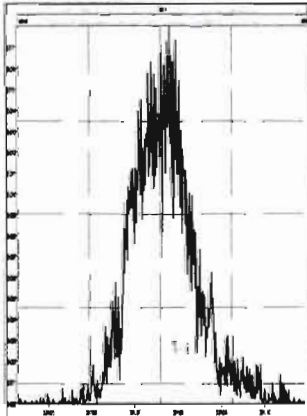
M 416.9760 R 39569



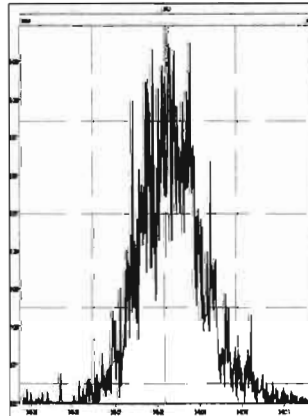
M 318.9792 R 12259



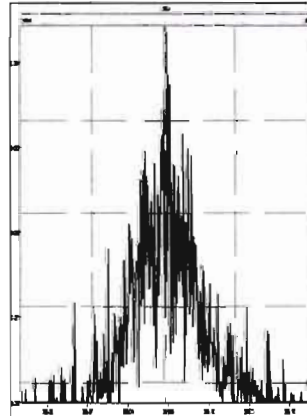
M 330.9792 R 13089



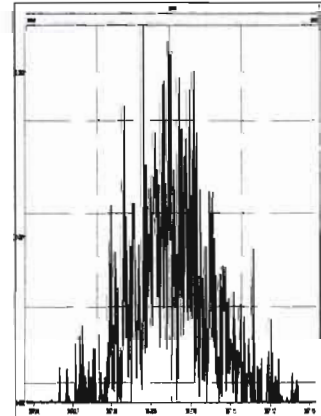
M 342.9792 R 12490



M 354.9792 R 16413

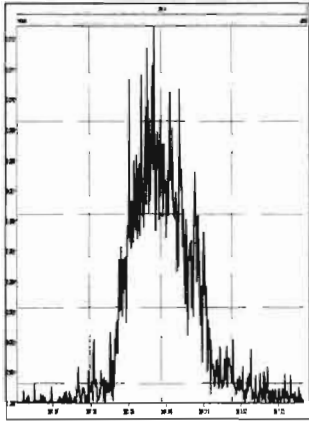


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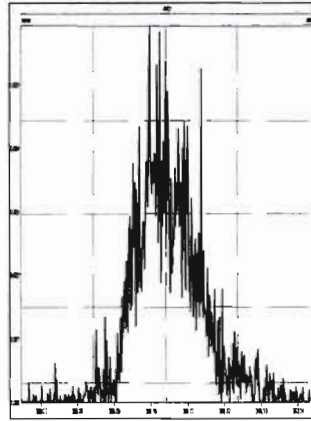


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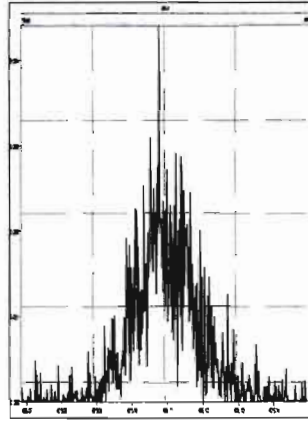
M 380.9760 R 14454



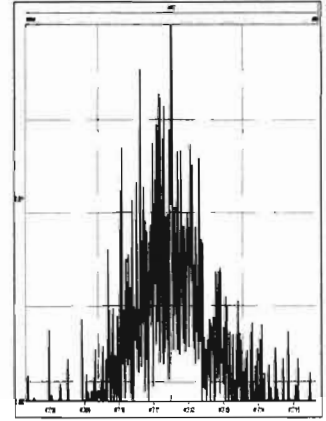
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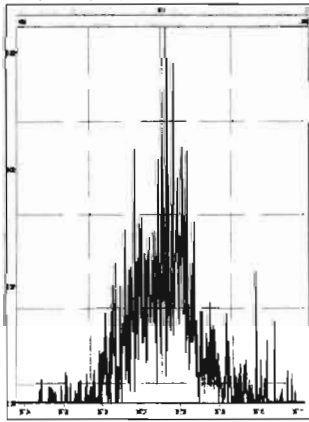
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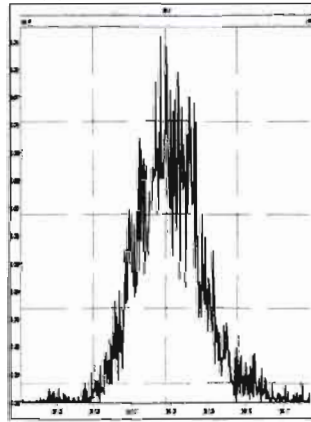
M 416.9760 R 22389



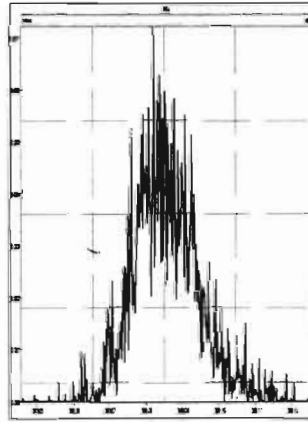
M 366.9792 R 17747



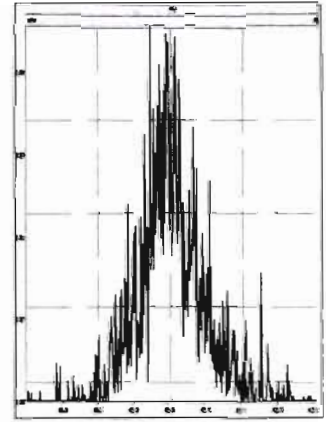
M 380.9760 R 11990



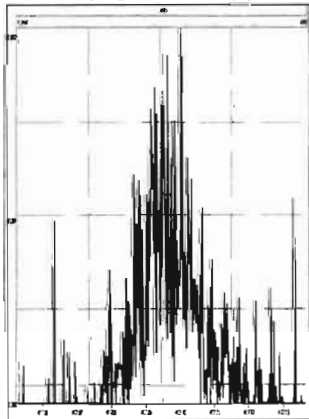
M 392.9760 R 13664



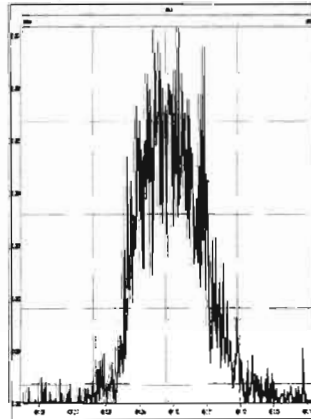
M 404.9760 R 15702



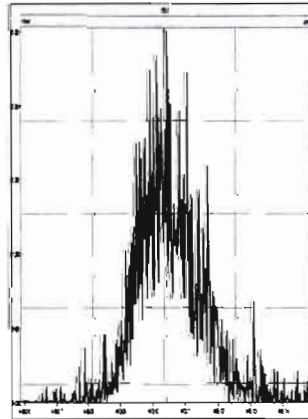
M 416.9760 R 27290



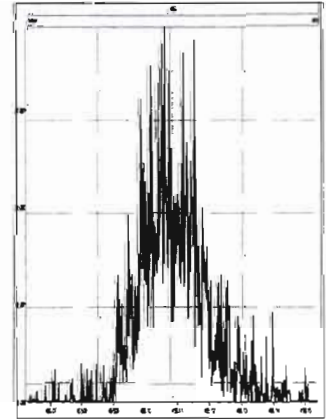
M 430.9728 R 12898



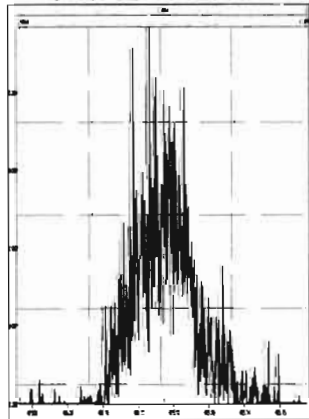
M 442.9728 R 13934



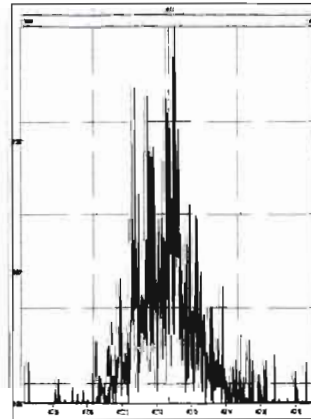
M 454.9728 R 14618



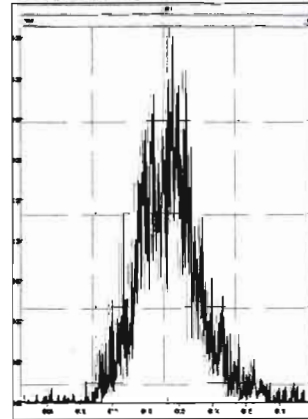
M 404.9760 R 16773



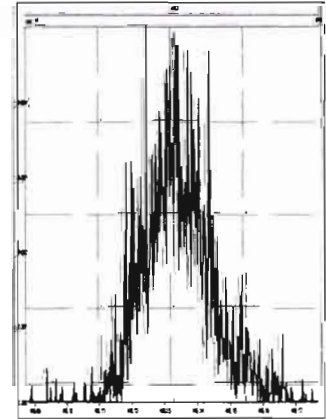
M 416.9760 R 20937



M 430.9728 R 11154

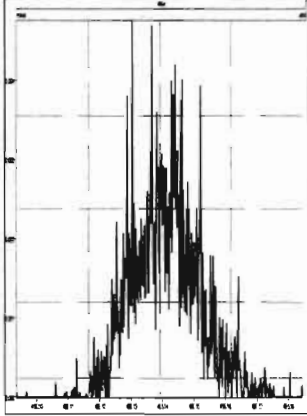


M 442.9728 R 12746

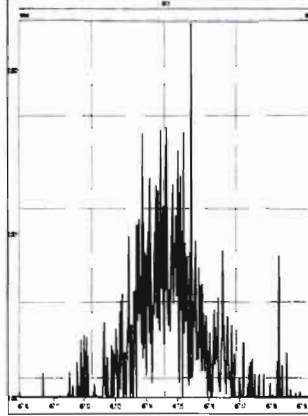


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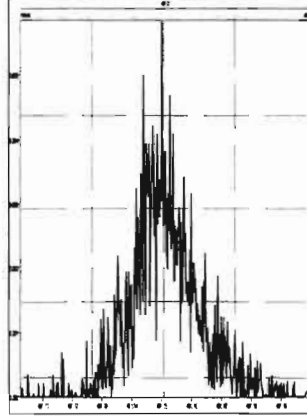
M 454.9728 R 12954



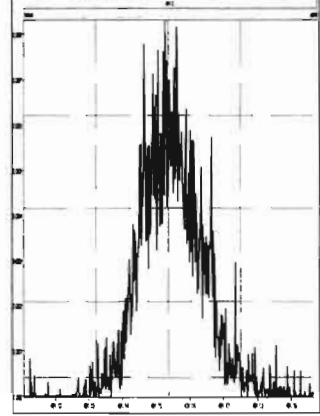
M 466.9728 R 28577



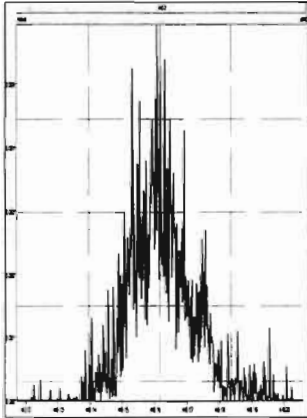
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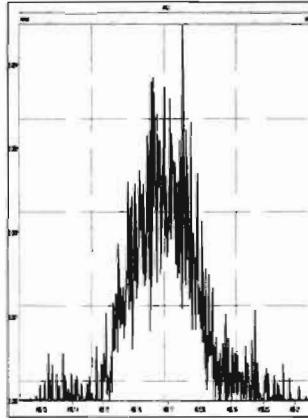
M 430.9728 R 12707



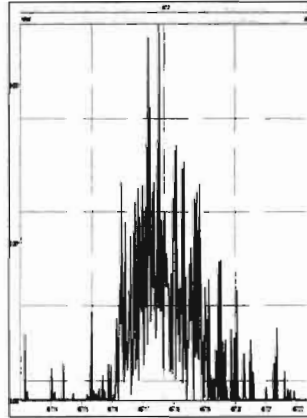
M 442.9728 R 15263



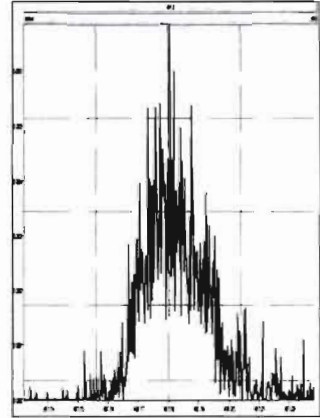
M 454.9728 R 16051



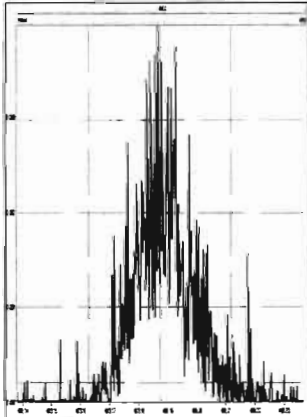
M 466.9728 R 24124



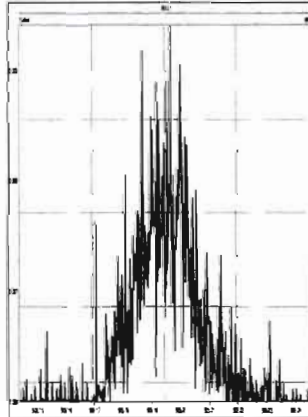
M 480.9696 R 13763



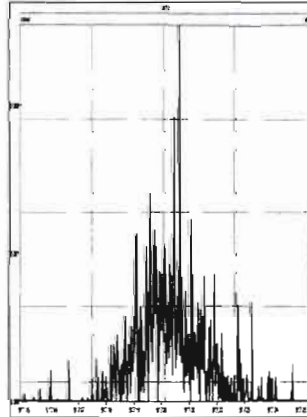
M 492.9696 R 15316



M 504.9696 R 16751



M 516.9697 R 48362



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

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

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

Compound name: 2,3,7,8-TCDD

Response Factor: 0.947465

RRF SD: 0.050672, Relative SD: 5.34817

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	0.250	0.81	NO	26.07	1.002	3.67e3	1.71e6	0.227	-9.3	0.859	MM
2	200429R2_2	0.500	0.73	NO	26.05	1.001	6.88e3	1.49e6	0.486	-2.8	0.921	MM
3	200429R2_3	2.00	0.80	NO	26.05	1.001	2.77e4	1.43e6	2.04	2.1	0.968	MM
4	200429R2_4	10.0	0.76	NO	26.07	1.001	1.43e5	1.49e6	10.1	0.8	0.955	db
5	200429R2_5	40.0	0.79	NO	26.07	1.001	6.85e5	1.74e6	41.5	3.8	0.983	bb
6	200429R2_6	300	0.78	NO	26.05	1.001	6.08e6	2.03e6	316	5.4	0.998	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.942465

RRF SD: 0.0519271, Relative SD: 5.50971

Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	0.59	NO	31.13	1.000	1.26e4	1.18e6	1.13	-9.9	0.849	MM
2	200429R2_2	2.50	0.61	NO	31.14	1.000	2.41e4	1.02e6	2.49	-0.4	0.939	bb
3	200429R2_3	10.0	0.62	NO	31.13	1.000	9.99e4	9.92e5	10.7	6.8	1.01	bb
4	200429R2_4	50.0	0.62	NO	31.13	1.000	5.37e5	1.14e6	49.9	-0.2	0.941	bb
5	200429R2_5	200	0.63	NO	31.14	1.000	2.46e6	1.29e6	202	1.0	0.952	bb
6	200429R2_6	1500	0.63	NO	31.13	1.000	2.34e7	1.61e6	1540	2.6	0.967	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
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Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.06409

RRF SD: 0.0704393, Relative SD: 6.61967

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.23	NO	34.49	1.000	1.06e4	9.05e5	1.10	-12.2	0.934	bd
2	200429R2_2	2.50	1.24	NO	34.51	1.000	2.05e4	7.45e5	2.58	3.2	1.10	bd
3	200429R2_3	10.0	1.25	NO	34.49	1.000	8.24e4	7.52e5	10.3	3.1	1.10	bd
4	200429R2_4	50.0	1.22	NO	34.51	1.000	4.42e5	8.49e5	48.9	-2.2	1.04	MM
5	200429R2_5	200	1.23	NO	34.51	1.000	2.14e6	9.92e5	203	1.5	1.08	bd
6	200429R2_6	1500	1.23	NO	34.49	1.000	2.19e7	1.29e6	1600	6.6	1.13	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.914514

RRF SD: 0.0597197, Relative SD: 6.53021

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.18	NO	34.60	1.000	1.19e4	1.16e6	1.12	-10.3	0.820	db
2	200429R2_2	2.50	1.19	NO	34.60	1.000	2.18e4	9.85e5	2.42	-3.1	0.886	db
3	200429R2_3	10.0	1.26	NO	34.60	1.000	9.42e4	9.49e5	10.8	8.4	0.992	db
4	200429R2_4	50.0	1.20	NO	34.60	1.000	4.89e5	1.08e6	49.6	-0.9	0.906	MM
5	200429R2_5	200	1.23	NO	34.61	1.000	2.38e6	1.24e6	210	5.0	0.960	db
6	200429R2_6	1500	1.24	NO	34.60	1.001	2.35e7	1.70e6	1510	0.9	0.922	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.914931

RRF SD: 0.0698725, Relative SD: 7.63691

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.17	NO	34.87	1.000	9.95e3	1.02e6	1.07	-14.6	0.782	MM
2	200429R2_2	2.50	1.21	NO	34.88	1.000	1.98e4	8.50e5	2.55	1.9	0.933	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

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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	200429R2_3	10.0	1.24	NO	34.88	1.001	8.11e4	8.34e5	10.6	6.3	0.973	bb
4	200429R2_4	50.0	1.24	NO	34.88	1.000	4.19e5	9.34e5	49.1	-1.8	0.898	bb
5	200429R2_5	200	1.24	NO	34.89	1.001	2.07e6	1.09e6	208	4.2	0.953	bb
6	200429R2_6	1500	1.23	NO	34.87	1.000	2.08e7	1.46e6	1560	4.0	0.951	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.897908

RRF SD: 0.0622499, Relative SD: 6.93277

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.08	NO	38.38	1.001	7.93e3	8.17e5	1.08	-13.5	0.777	bb
2	200429R2_2	2.50	1.01	NO	38.37	1.000	1.48e4	6.60e5	2.50	-0.2	0.896	MM
3	200429R2_3	10.0	1.08	NO	38.36	1.000	5.91e4	6.39e5	10.3	3.1	0.925	bd
4	200429R2_4	50.0	0.99	NO	38.38	1.000	3.08e5	6.79e5	50.5	1.0	0.907	bb
5	200429R2_5	200	1.02	NO	38.38	1.000	1.52e6	8.11e5	208	4.1	0.934	bb
6	200429R2_6	1500	1.02	NO	38.37	1.001	1.60e7	1.13e6	1580	5.6	0.948	bb

Compound name: OCDD

Response Factor: 0.93349

RRF SD: 0.0706604, Relative SD: 7.56949

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	2.50	0.86	NO	41.35	1.000	1.41e4	1.42e6	2.13	-14.8	0.796	MM
2	200429R2_2	5.00	0.91	NO	41.35	1.000	2.79e4	1.21e6	4.96	-0.8	0.926	bd
3	200429R2_3	20.0	0.88	NO	41.34	1.000	1.08e5	1.10e6	21.2	5.8	0.988	MM
4	200429R2_4	100	0.88	NO	41.35	1.000	5.63e5	1.18e6	102	2.5	0.957	MM
5	200429R2_5	400	0.90	NO	41.35	1.000	2.87e6	1.50e6	411	2.7	0.959	MM
6	200429R2_6	3000	0.89	NO	41.34	1.000	3.39e7	2.31e6	3140	4.6	0.976	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
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Compound name: 2,3,7,8-TCDF

Response Factor: 0.787102

RRF SD: 0.0402419, Relative SD: 5.11266

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	0.250	0.82	NO	25.09	1.001	4.51e3	2.52e6	0.228	-8.9	0.717	MM
2	200429R2_2	0.500	0.75	NO	25.11	1.001	8.73e3	2.22e6	0.501	0.1	0.788	MM
3	200429R2_3	2.00	0.74	NO	25.11	1.001	3.42e4	2.09e6	2.08	4.1	0.820	bb
4	200429R2_4	10.0	0.74	NO	25.11	1.001	1.65e5	2.15e6	9.76	-2.4	0.768	bb
5	200429R2_5	40.0	0.75	NO	25.12	1.001	8.12e5	2.52e6	41.0	2.4	0.806	bb
6	200429R2_6	300	0.75	NO	25.09	1.001	7.19e6	2.91e6	314	4.7	0.824	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.910199

RRF SD: 0.0533229, Relative SD: 5.85838

Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.63	NO	29.81	1.000	1.97e4	1.94e6	1.12	-10.8	0.812	MM
2	200429R2_2	2.50	1.54	NO	29.83	1.000	3.85e4	1.69e6	2.50	0.1	0.911	MM
3	200429R2_3	10.0	1.57	NO	29.81	1.000	1.60e5	1.64e6	10.7	7.0	0.974	bb
4	200429R2_4	50.0	1.59	NO	29.81	1.000	8.46e5	1.86e6	50.0	0.0	0.910	bb
5	200429R2_5	200	1.55	NO	29.83	1.000	3.84e6	2.07e6	203	1.7	0.926	bb
6	200429R2_6	1500	1.56	NO	29.81	1.000	3.59e7	2.58e6	1530	1.9	0.928	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.96636

RRF SD: 0.0480881, Relative SD: 4.97621

Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.49	NO	30.80	1.000	2.03e4	1.84e6	1.14	-8.8	0.881	MM
2	200429R2_2	2.50	1.53	NO	30.82	1.000	3.90e4	1.62e6	2.50	-0.1	0.966	MM

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	10.0	1.60	NO	30.80	1.000	1.61e5	1.57e6	10.6	6.4	1.03	bb
4	200429R2_4	50.0	1.56	NO	30.80	1.000	8.75e5	1.82e6	49.8	-0.4	0.962	bb
5	200429R2_5	200	1.55	NO	30.82	1.000	3.97e6	2.01e6	204	2.1	0.987	bb
6	200429R2_6	1500	1.54	NO	30.81	1.000	3.66e7	2.51e6	1510	0.7	0.973	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.878238

RRF SD: 0.066642, Relative SD: 7.58815

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.13	NO	33.64	1.001	1.14e4	1.22e6	1.06	-14.9	0.748	bd
2	200429R2_2	2.50	1.21	NO	33.64	1.000	2.26e4	1.02e6	2.52	0.9	0.886	bd
3	200429R2_3	10.0	1.22	NO	33.63	1.000	9.51e4	1.02e6	10.6	6.4	0.935	bd
4	200429R2_4	50.0	1.22	NO	33.64	1.000	5.03e5	1.13e6	50.6	1.1	0.888	bd
5	200429R2_5	200	1.19	NO	33.64	1.000	2.34e6	1.31e6	204	2.1	0.896	bd
6	200429R2_6	1500	1.19	NO	33.63	1.000	2.35e7	1.71e6	1570	4.4	0.917	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.873971

RRF SD: 0.0632141, Relative SD: 7.23298

Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.23	NO	33.76	1.001	1.35e4	1.41e6	1.09	-12.6	0.763	MM
2	200429R2_2	2.50	1.19	NO	33.76	1.000	2.55e4	1.18e6	2.46	-1.4	0.861	db
3	200429R2_3	10.0	1.20	NO	33.76	1.001	1.09e5	1.14e6	11.0	9.5	0.957	dd
4	200429R2_4	50.0	1.17	NO	33.76	1.000	5.58e5	1.26e6	50.6	1.2	0.885	db
5	200429R2_5	200	1.19	NO	33.77	1.001	2.62e6	1.46e6	205	2.7	0.897	db
6	200429R2_6	1500	1.19	NO	33.75	1.000	2.52e7	1.91e6	1510	0.7	0.880	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.921711

RRF SD: 0.0708547, Relative SD: 7.6873

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.14	NO	34.32	1.000	1.24e4	1.26e6	1.07	-14.7	0.786	bb
2	200429R2_2	2.50	1.16	NO	34.33	1.001	2.38e4	1.05e6	2.46	-1.5	0.908	MM
3	200429R2_3	10.0	1.22	NO	34.32	1.000	1.02e5	1.03e6	10.7	7.1	0.987	bb
4	200429R2_4	50.0	1.17	NO	34.33	1.000	5.42e5	1.14e6	51.6	3.2	0.951	bb
5	200429R2_5	200	1.19	NO	34.33	1.000	2.49e6	1.31e6	206	3.0	0.950	bb
6	200429R2_6	1500	1.19	NO	34.33	1.000	2.48e7	1.74e6	1540	2.9	0.948	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.864187

RRF SD: 0.0516808, Relative SD: 5.98028

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.22	NO	35.21	1.000	9.52e3	9.91e5	1.11	-11.0	0.769	MM
2	200429R2_2	2.50	1.21	NO	35.21	1.000	1.86e4	8.77e5	2.45	-1.8	0.848	MM
3	200429R2_3	10.0	1.22	NO	35.21	1.000	7.78e4	8.59e5	10.5	4.9	0.906	bb
4	200429R2_4	50.0	1.17	NO	35.22	1.000	4.02e5	9.29e5	50.1	0.2	0.866	bb
5	200429R2_5	200	1.19	NO	35.22	1.000	1.99e6	1.11e6	207	3.7	0.896	bb
6	200429R2_6	1500	1.20	NO	35.21	1.000	1.98e7	1.47e6	1560	4.0	0.899	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.871204

RRF SD: 0.0656544, Relative SD: 7.53606

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	0.99	NO	36.94	1.000	8.60e3	9.24e5	1.07	-14.5	0.745	MM
2	200429R2_2	2.50	1.00	NO	36.97	1.001	1.73e4	7.84e5	2.54	1.5	0.884	MM

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Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	10.0	0.95	NO	36.96	1.000	6.95e4	7.69e5	10.4	3.7	0.903	MM
4	200429R2_4	50.0	0.96	NO	36.97	1.000	3.72e5	8.65e5	49.4	-1.2	0.861	bb
5	200429R2_5	200	0.99	NO	36.97	1.000	1.79e6	9.81e5	210	5.0	0.914	bb
6	200429R2_6	1500	0.99	NO	36.96	1.001	1.89e7	1.37e6	1580	5.5	0.919	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.01156

RRF SD: 0.0670054, Relative SD: 6.62397

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	0.97	NO	38.95	1.000	6.68e3	5.96e5	1.11	-11.4	0.897	MM
2	200429R2_2	2.50	0.96	NO	38.95	1.000	1.20e4	4.92e5	2.41	-3.7	0.974	MM
3	200429R2_3	10.0	1.01	NO	38.95	1.000	4.94e4	4.72e5	10.4	3.5	1.05	MM
4	200429R2_4	50.0	1.00	NO	38.96	1.000	2.60e5	5.12e5	50.2	0.3	1.01	bb
5	200429R2_5	200	0.99	NO	38.96	1.000	1.29e6	6.09e5	209	4.7	1.06	bb
6	200429R2_6	1500	0.99	NO	38.94	1.000	1.43e7	8.85e5	1600	6.5	1.08	bb

Compound name: OCDF

Response Factor: 0.802147

RRF SD: 0.0574516, Relative SD: 7.16223

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	2.50	0.84	NO	41.52	1.000	1.41e4	1.62e6	2.17	-13.4	0.695	MM
2	200429R2_2	5.00	0.85	NO	41.52	1.000	2.74e4	1.40e6	4.88	-2.4	0.783	MM
3	200429R2_3	20.0	0.88	NO	41.52	1.000	1.07e5	1.27e6	21.0	5.0	0.842	bb
4	200429R2_4	100	0.86	NO	41.53	1.000	5.36e5	1.32e6	101	1.3	0.813	bb
5	200429R2_5	400	0.87	NO	41.53	1.000	2.84e6	1.69e6	420	5.0	0.842	bb
6	200429R2_6	3000	0.87	NO	41.52	1.000	3.30e7	2.63e6	3130	4.4	0.838	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.15948

RRF SD: 0.103741, Relative SD: 8.94721

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.79	NO	26.02	1.027	1.71e6	1.32e6	112	11.9	1.30	bb
2	200429R2_2	100	0.79	NO	26.03	1.027	1.49e6	1.44e6	89.7	-10.3	1.04	bb
3	200429R2_3	100	0.80	NO	26.02	1.026	1.43e6	1.38e6	89.4	-10.6	1.04	bb
4	200429R2_4	100	0.80	NO	26.03	1.027	1.49e6	1.28e6	100	0.3	1.16	bb
5	200429R2_5	100	0.79	NO	26.03	1.027	1.74e6	1.45e6	103	3.3	1.20	MM
6	200429R2_6	100	0.79	NO	26.02	1.027	2.03e6	1.66e6	105	5.4	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.847234

RRF SD: 0.105802, Relative SD: 12.488

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.64	NO	31.11	1.227	1.18e6	1.32e6	106	6.2	0.900	bb
2	200429R2_2	100	0.65	NO	31.13	1.227	1.02e6	1.44e6	84.2	-15.8	0.713	bb
3	200429R2_3	100	0.64	NO	31.11	1.227	9.92e5	1.38e6	84.9	-15.1	0.719	bb
4	200429R2_4	100	0.65	NO	31.11	1.227	1.14e6	1.28e6	105	5.0	0.889	bb
5	200429R2_5	100	0.63	NO	31.13	1.227	1.29e6	1.45e6	105	5.1	0.890	bb
6	200429R2_6	100	0.64	NO	31.11	1.227	1.61e6	1.66e6	115	14.6	0.971	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.749916

RRF SD: 0.0958664, Relative SD: 12.7836

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.27	NO	34.48	1.014	9.05e5	1.10e6	109	9.5	0.821	bd
2	200429R2_2	100	1.30	NO	34.49	1.014	7.45e5	1.19e6	83.5	-16.5	0.626	bd

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Compound name: 13C-1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	100	1.29	NO	34.48	1.014	7.52e5	1.15e6	87.1	-12.9	0.653	bd
4	200429R2_4	100	1.29	NO	34.49	1.014	8.49e5	1.15e6	98.6	-1.4	0.739	bd
5	200429R2_5	100	1.28	NO	34.49	1.014	9.92e5	1.26e6	105	5.3	0.790	bd
6	200429R2_6	100	1.27	NO	34.48	1.014	1.29e6	1.48e6	116	16.0	0.870	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.963047

RRF SD: 0.127006, Relative SD: 13.1879

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.28	NO	34.59	1.017	1.16e6	1.10e6	109	9.3	1.05	db
2	200429R2_2	100	1.29	NO	34.59	1.017	9.85e5	1.19e6	85.9	-14.1	0.827	db
3	200429R2_3	100	1.29	NO	34.59	1.017	9.49e5	1.15e6	85.7	-14.3	0.825	db
4	200429R2_4	100	1.26	NO	34.59	1.017	1.08e6	1.15e6	97.7	-2.3	0.941	db
5	200429R2_5	100	1.27	NO	34.60	1.017	1.24e6	1.26e6	102	2.2	0.985	db
6	200429R2_6	100	1.26	NO	34.58	1.017	1.70e6	1.48e6	119	19.2	1.15	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.83755

RRF SD: 0.108482, Relative SD: 12.9523

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.31	NO	34.86	1.025	1.02e6	1.10e6	110	10.2	0.923	bd
2	200429R2_2	100	1.28	NO	34.87	1.025	8.50e5	1.19e6	85.2	-14.8	0.713	bb
3	200429R2_3	100	1.25	NO	34.86	1.025	8.34e5	1.15e6	86.5	-13.5	0.724	bb
4	200429R2_4	100	1.25	NO	34.87	1.025	9.34e5	1.15e6	97.2	-2.8	0.814	bb
5	200429R2_5	100	1.25	NO	34.87	1.025	1.09e6	1.26e6	103	3.2	0.864	bb
6	200429R2_6	100	1.25	NO	34.86	1.025	1.46e6	1.48e6	118	17.7	0.986	bb

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

Response Factor: 0.641477

RRF SD: 0.0915679, Relative SD: 14.2745

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.06	NO	38.35	1.128	8.17e5	1.10e6	116	15.5	0.741	bd
2	200429R2_2	100	1.06	NO	38.36	1.128	6.60e5	1.19e6	86.4	-13.6	0.554	MM
3	200429R2_3	100	1.02	NO	38.36	1.128	6.39e5	1.15e6	86.5	-13.5	0.555	bb
4	200429R2_4	100	1.09	NO	38.37	1.128	6.79e5	1.15e6	92.2	-7.8	0.592	MM
5	200429R2_5	100	1.02	NO	38.37	1.128	8.11e5	1.26e6	101	0.6	0.646	bb
6	200429R2_6	100	1.05	NO	38.35	1.128	1.13e6	1.48e6	119	18.7	0.761	bb

Compound name: 13C-OCDD

Response Factor: 0.586321

RRF SD: 0.114579, Relative SD: 19.5421

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	200	0.89	NO	41.34	1.216	1.42e6	1.10e6	220	9.8	0.644	MM
2	200429R2_2	200	0.90	NO	41.34	1.215	1.21e6	1.19e6	173	-13.7	0.506	MM
3	200429R2_3	200	0.93	NO	41.33	1.215	1.10e6	1.15e6	162	-18.8	0.476	MM
4	200429R2_4	200	0.93	NO	41.34	1.215	1.18e6	1.15e6	175	-12.5	0.513	MM
5	200429R2_5	200	0.90	NO	41.34	1.215	1.50e6	1.26e6	203	1.7	0.597	MM
6	200429R2_6	200	0.90	NO	41.33	1.215	2.31e6	1.48e6	267	33.4	0.782	MM

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.03447

RRF SD: 0.0994265, Relative SD: 9.61138

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.78	NO	25.08	0.989	2.52e6	2.12e6	115	14.8	1.19	bb
2	200429R2_2	100	0.78	NO	25.09	0.989	2.22e6	2.37e6	90.3	-9.7	0.934	bb

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Compound name: 13C-2,3,7,8-TCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	100	0.78	NO	25.08	0.989	2.09e6	2.27e6	89.0	-11.0	0.920	bb
4	200429R2_4	100	0.77	NO	25.09	0.989	2.15e6	2.10e6	99.1	-0.9	1.03	bb
5	200429R2_5	100	0.79	NO	25.09	0.989	2.52e6	2.38e6	102	2.1	1.06	bb
6	200429R2_6	100	0.77	NO	25.08	0.989	2.91e6	2.69e6	105	4.7	1.08	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.84507

RRF SD: 0.102566, Relative SD: 12.137

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.60	NO	29.80	1.176	1.94e6	2.12e6	108	8.3	0.915	bb
2	200429R2_2	100	1.62	NO	29.81	1.176	1.69e6	2.37e6	84.4	-15.6	0.713	bb
3	200429R2_3	100	1.61	NO	29.80	1.175	1.64e6	2.27e6	85.7	-14.3	0.724	bb
4	200429R2_4	100	1.63	NO	29.80	1.175	1.86e6	2.10e6	105	4.9	0.886	bb
5	200429R2_5	100	1.58	NO	29.81	1.176	2.07e6	2.38e6	103	3.0	0.871	bb
6	200429R2_6	100	1.59	NO	29.80	1.176	2.58e6	2.69e6	114	13.7	0.960	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.814071

RRF SD: 0.103739, Relative SD: 12.7432

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.58	NO	30.79	1.215	1.84e6	2.12e6	107	6.7	0.869	bb
2	200429R2_2	100	1.59	NO	30.80	1.215	1.62e6	2.37e6	83.6	-16.4	0.681	db
3	200429R2_3	100	1.58	NO	30.79	1.214	1.57e6	2.27e6	84.8	-15.2	0.691	db
4	200429R2_4	100	1.60	NO	30.79	1.214	1.82e6	2.10e6	107	6.5	0.867	db
5	200429R2_5	100	1.60	NO	30.80	1.215	2.01e6	2.38e6	104	3.7	0.844	db
6	200429R2_6	100	1.58	NO	30.79	1.215	2.51e6	2.69e6	115	14.6	0.933	db

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00488

RRF SD: 0.118528, Relative SD: 11.7952

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.50	NO	33.62	0.989	1.22e6	1.10e6	110	10.1	1.11	bd
2	200429R2_2	100	0.51	NO	33.63	0.989	1.02e6	1.19e6	85.4	-14.6	0.858	bd
3	200429R2_3	100	0.51	NO	33.62	0.988	1.02e6	1.15e6	88.0	-12.0	0.884	bd
4	200429R2_4	100	0.51	NO	33.63	0.989	1.13e6	1.15e6	98.3	-1.7	0.987	bd
5	200429R2_5	100	0.51	NO	33.63	0.988	1.31e6	1.26e6	103	3.5	1.04	bd
6	200429R2_6	100	0.51	NO	33.62	0.989	1.71e6	1.48e6	115	14.9	1.15	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.13681

RRF SD: 0.13421, Relative SD: 11.8059

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.51	NO	33.74	0.992	1.41e6	1.10e6	113	12.9	1.28	db
2	200429R2_2	100	0.52	NO	33.75	0.992	1.18e6	1.19e6	87.4	-12.6	0.994	db
3	200429R2_3	100	0.51	NO	33.74	0.992	1.14e6	1.15e6	87.0	-13.0	0.990	db
4	200429R2_4	100	0.51	NO	33.75	0.992	1.26e6	1.15e6	96.7	-3.3	1.10	db
5	200429R2_5	100	0.51	NO	33.75	0.992	1.46e6	1.26e6	102	2.3	1.16	db
6	200429R2_6	100	0.51	NO	33.74	0.992	1.91e6	1.48e6	114	13.7	1.29	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02233

RRF SD: 0.123256, Relative SD: 12.0564

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.52	NO	34.31	1.009	1.26e6	1.10e6	112	11.8	1.14	MM
2	200429R2_2	100	0.51	NO	34.31	1.009	1.05e6	1.19e6	86.2	-13.8	0.881	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	100	0.52	NO	34.31	1.009	1.03e6	1.15e6	87.6	-12.4	0.895	bb
4	200429R2_4	100	0.51	NO	34.33	1.009	1.14e6	1.15e6	97.2	-2.8	0.993	bb
5	200429R2_5	100	0.51	NO	34.33	1.009	1.31e6	1.26e6	102	2.1	1.04	bb
6	200429R2_6	100	0.51	NO	34.31	1.009	1.74e6	1.48e6	115	15.2	1.18	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.844773

RRF SD: 0.0991685, Relative SD: 11.7391

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.51	NO	35.20	1.035	9.91e5	1.10e6	106	6.4	0.899	bb
2	200429R2_2	100	0.51	NO	35.20	1.035	8.77e5	1.19e6	87.2	-12.8	0.737	bb
3	200429R2_3	100	0.50	NO	35.20	1.035	8.59e5	1.15e6	88.3	-11.7	0.746	bb
4	200429R2_4	100	0.51	NO	35.21	1.035	9.29e5	1.15e6	95.9	-4.1	0.810	MM
5	200429R2_5	100	0.51	NO	35.21	1.035	1.11e6	1.26e6	105	4.6	0.883	bb
6	200429R2_6	100	0.52	NO	35.20	1.035	1.47e6	1.48e6	118	17.6	0.994	bb

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

Response Factor: 0.771212

RRF SD: 0.102676, Relative SD: 13.3136

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.43	NO	36.93	1.086	9.24e5	1.10e6	109	8.6	0.838	bb
2	200429R2_2	100	0.43	NO	36.94	1.086	7.84e5	1.19e6	85.4	-14.6	0.659	bb
3	200429R2_3	100	0.44	NO	36.94	1.086	7.69e5	1.15e6	86.7	-13.3	0.668	bd
4	200429R2_4	100	0.43	NO	36.96	1.086	8.65e5	1.15e6	97.7	-2.3	0.754	bd
5	200429R2_5	100	0.42	NO	36.96	1.086	9.81e5	1.26e6	101	1.2	0.781	bb
6	200429R2_6	100	0.44	NO	36.93	1.086	1.37e6	1.48e6	120	20.3	0.928	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.482289

RRF SD: 0.0750769, Relative SD: 15.5668

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.41	NO	38.94	1.145	5.96e5	1.10e6	112	12.1	0.541	bb
2	200429R2_2	100	0.44	NO	38.94	1.145	4.92e5	1.19e6	85.7	-14.3	0.413	MM
3	200429R2_3	100	0.45	NO	38.94	1.145	4.72e5	1.15e6	85.0	-15.0	0.410	MM
4	200429R2_4	100	0.44	NO	38.95	1.145	5.12e5	1.15e6	92.5	-7.5	0.446	MM
5	200429R2_5	100	0.43	NO	38.95	1.145	6.09e5	1.26e6	101	0.6	0.485	bb
6	200429R2_6	100	0.43	NO	38.93	1.145	8.85e5	1.48e6	124	24.1	0.598	bb

Compound name: 13C-OCDF

Response Factor: 0.668505

RRF SD: 0.127842, Relative SD: 19.1235

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	200	0.88	NO	41.51	1.221	1.62e6	1.10e6	220	9.9	0.735	bb
2	200429R2_2	200	0.86	NO	41.51	1.220	1.40e6	1.19e6	176	-12.0	0.588	MM
3	200429R2_3	200	0.89	NO	41.51	1.220	1.27e6	1.15e6	165	-17.4	0.552	bd
4	200429R2_4	200	0.88	NO	41.52	1.221	1.32e6	1.15e6	172	-14.0	0.575	bb
5	200429R2_5	200	0.87	NO	41.52	1.220	1.69e6	1.26e6	201	0.5	0.672	bb
6	200429R2_6	200	0.88	NO	41.51	1.221	2.63e6	1.48e6	266	33.0	0.889	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.09842

RRF SD: 0.0959308, Relative SD: 8.73354

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	0.250			26.05	1.028	3.33e3	1.32e6	0.230	-7.9	1.01	bb
2	200429R2_2	0.500			26.07	1.028	7.64e3	1.44e6	0.484	-3.2	1.06	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 37CI-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	2.00			26.05	1.027	2.74e4	1.38e6	1.81	-9.5	0.994	bd
4	200429R2_4	10.0			26.05	1.027	1.41e5	1.28e6	10.0	0.4	1.10	bb
5	200429R2_5	40.0			26.07	1.028	6.87e5	1.45e6	43.0	7.5	1.18	bb
6	200429R2_6	200			26.05	1.028	4.11e6	1.66e6	225	12.7	1.24	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.80	NO	25.35	1.000	1.32e6	1.32e6	100	0.0	1.00	bb
2	200429R2_2	100	0.80	NO	25.36	1.000	1.44e6	1.44e6	100	0.0	1.00	bb
3	200429R2_3	100	0.81	NO	25.36	1.000	1.38e6	1.38e6	100	0.0	1.00	bb
4	200429R2_4	100	0.80	NO	25.36	1.000	1.28e6	1.28e6	100	0.0	1.00	bb
5	200429R2_5	100	0.81	NO	25.36	1.000	1.45e6	1.45e6	100	0.0	1.00	bb
6	200429R2_6	100	0.80	NO	25.35	1.000	1.66e6	1.66e6	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.79	NO	23.57	1.000	2.12e6	2.12e6	100	0.0	1.00	bb
2	200429R2_2	100	0.79	NO	23.58	1.000	2.37e6	2.37e6	100	0.0	1.00	bb
3	200429R2_3	100	0.79	NO	23.58	1.000	2.27e6	2.27e6	100	0.0	1.00	bb
4	200429R2_4	100	0.79	NO	23.59	1.000	2.10e6	2.10e6	100	0.0	1.00	bb
5	200429R2_5	100	0.79	NO	23.59	1.000	2.38e6	2.38e6	100	0.0	1.00	bb
6	200429R2_6	100	0.79	NO	23.57	1.000	2.69e6	2.69e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

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Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.51	NO	34.01	1.000	1.10e6	1.10e6	100	0.0	1.00	bb
2	200429R2_2	100	0.50	NO	34.01	1.000	1.19e6	1.19e6	100	0.0	1.00	bb
3	200429R2_3	100	0.51	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
4	200429R2_4	100	0.50	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
5	200429R2_5	100	0.51	NO	34.03	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
6	200429R2_6	100	0.51	NO	34.01	1.000	1.48e6	1.48e6	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44

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

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.90
2	2 1,2,8,9-TCDD (Last)	27.05
3	3 1,2,4,7,9-PeCDD (First)	28.88
4	4 1,2,3,8,9-PeCDD (Last)	31.52
5	5 1,2,4,6,7,9-HxCDD (First)	33.04
6	6 1,2,3,7,8,9-HxCDD (Last)	34.88
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.35
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.38
9	9 1,3,6,8-TCDF (First)	19.85
10	10 1,2,8,9-TCDF (Last)	27.19
11	11 1,3,4,6,8-PeCDF (First)	27.17
12	12 1,2,3,8,9-PeCDF (Last)	31.75
13	13 1,2,3,4,6,8-HxCDF (First)	32.47
14	14 1,2,3,7,8,9-HxCDF (Last)	35.22
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.97
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.96

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

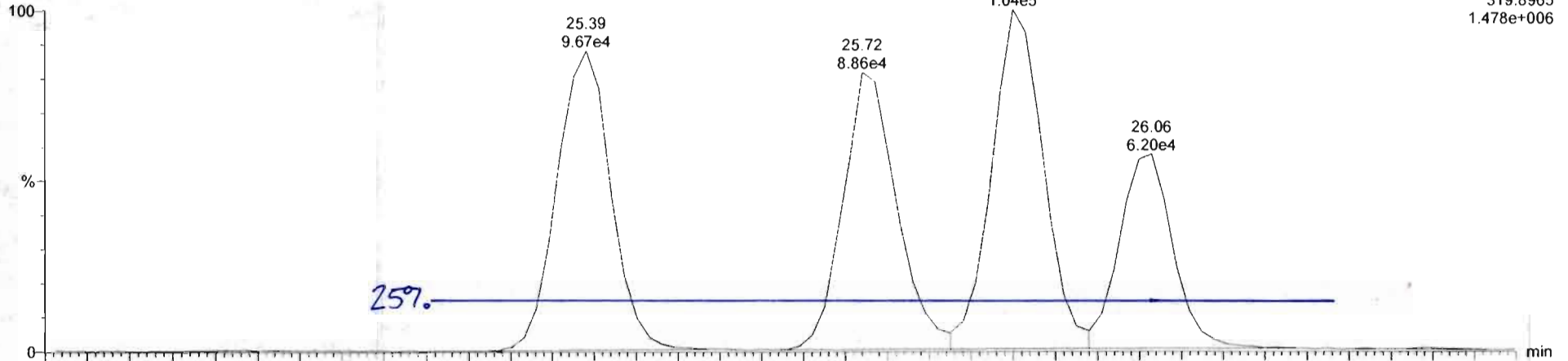
GPB 04/30/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

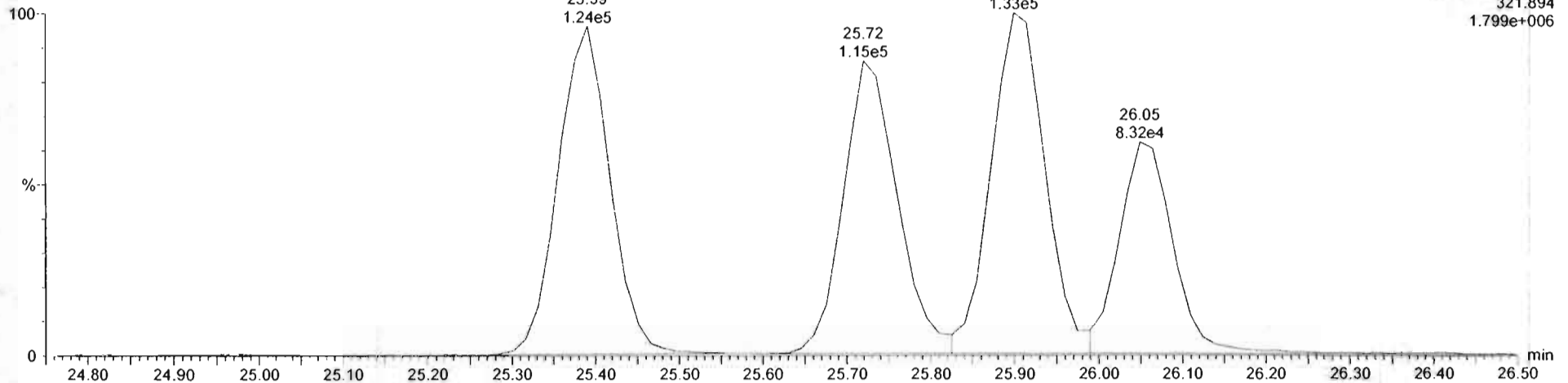
1,3,6,8-TCDD (First)
200429R2_4

F1:Voltage SIR,EI+
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1.478e+006



200429R2_4

F1:Voltage SIR,EI+
321.894
1.799e+006



Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:43 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:41:41 AM Pacific Daylight Time

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

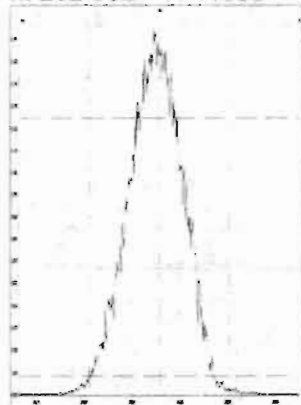
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200429R2_1	ST200429R2_1 1613 CS0 19L2302	29-Apr-20	13:27:25
2	200429R2_2	ST200429R2_2 1613 CS1 19L2303	29-Apr-20	14:15:04
3	200429R2_3	ST200429R2_3 1613 CS2 19L2304	29-Apr-20	15:02:24
4	200429R2_4	ST200429R2_4 1613 CS3 19L2305	29-Apr-20	15:48:39
5	200429R2_5	ST200429R2_5 1613 CS4 19L2306	29-Apr-20	16:35:58
6	200429R2_6	ST200429R2_6 1613 CS5 19L2307	29-Apr-20	17:23:21
7	200429R2_7	SOLVENT BLANK	29-Apr-20	18:10:44
8	200429R2_8	SS200429R2_1 1613 SSS 19L2308	29-Apr-20	18:58:05
9	200429R2_9	B0C0304-BS4 OPR 10	29-Apr-20	19:54:24
10	200429R2_10	B0C0304-BS3 OPR 10	29-Apr-20	20:40:38
11	200429R2_11	B0C0304-BS2 OPR 10	29-Apr-20	21:28:00
12	200429R2_12	B0C0304-BS1 OPR 10	29-Apr-20	22:15:28
13	200429R2_13	B0D0053-BS4 OPR 10	29-Apr-20	23:02:49
14	200429R2_14	B0D0053-BS3 OPR 10	29-Apr-20	23:50:11
15	200429R2_15	B0D0053-BS2 OPR 10	30-Apr-20	00:37:32
16	200429R2_16	B0D0053-BS1 OPR 10	30-Apr-20	01:24:55
17	200429R2_17	SOLVENT BLANK	30-Apr-20	02:12:17
18	200429R2_18	B0D0053-BLK1 Method Blank 10	30-Apr-20	02:59:37
19	200429R2_19	SOLVENT BLANK	30-Apr-20	03:55:52

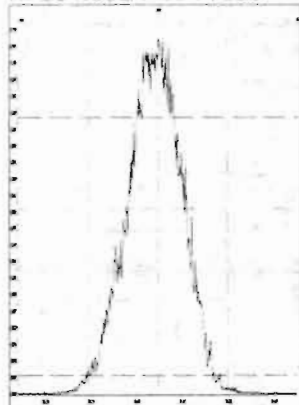
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Printed: Wednesday, April 29, 2020 13:21:30 Pacific Daylight Time

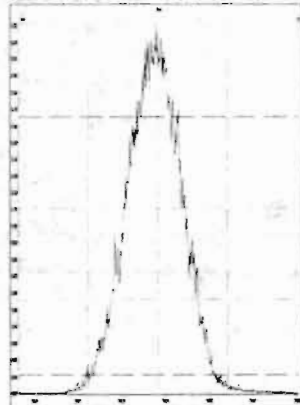
M 292.9824 R 11363



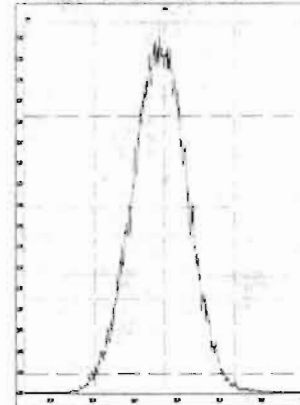
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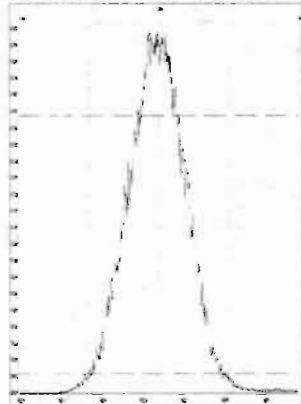
M 318.9792 R 11211



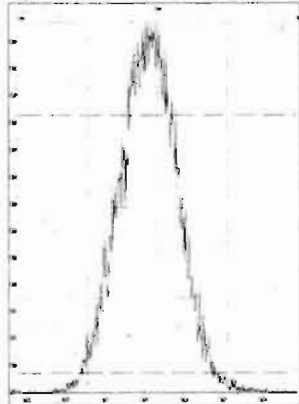
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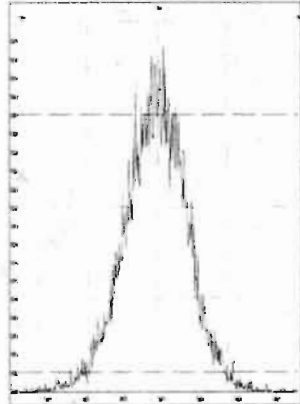
M 342.9792 R 10772



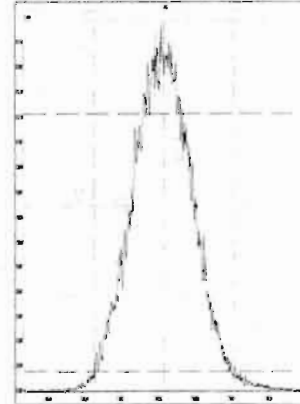
M 354.9792 R 10729



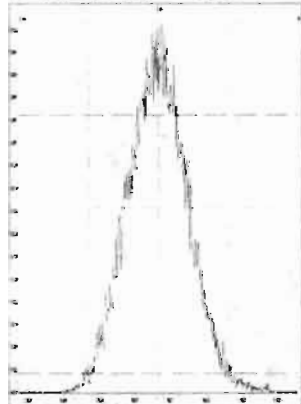
M 366.9792 R 10078



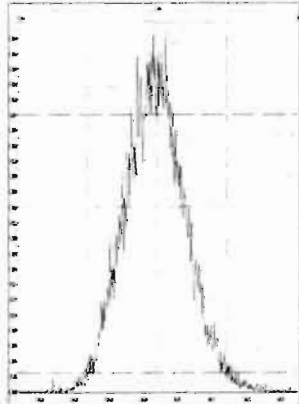
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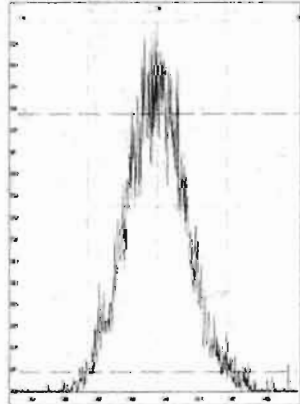
M 392.9760 R 10371



M 404.9760 R 10417



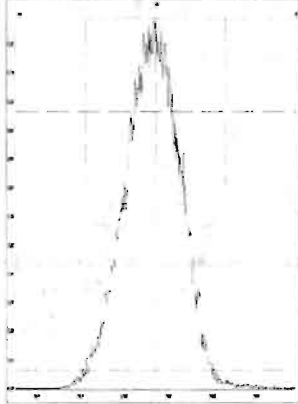
M 416.9760 R 10964



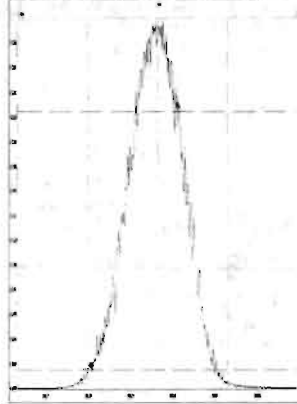
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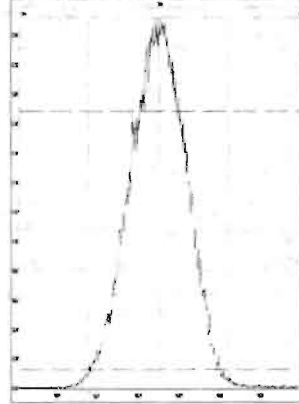
M 318.9792 R 11365



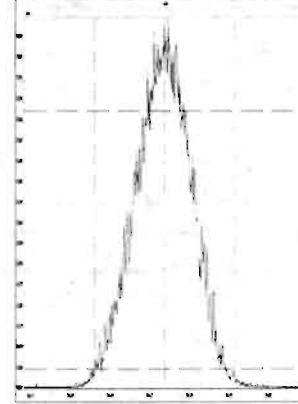
M 330.9792 R 11420



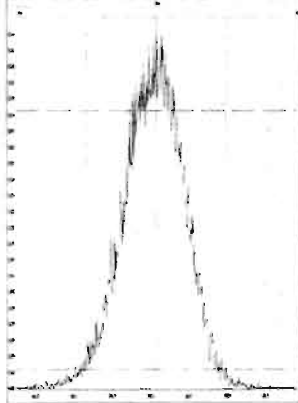
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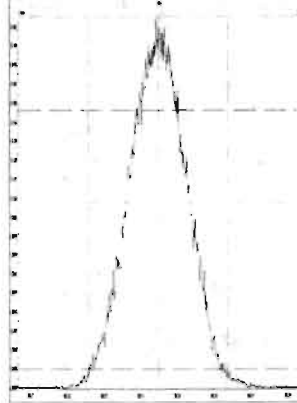
M 354.9792 R 11312



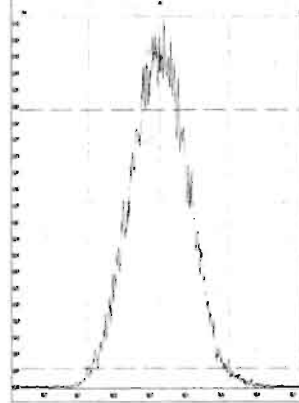
M 366.9792 R 10371



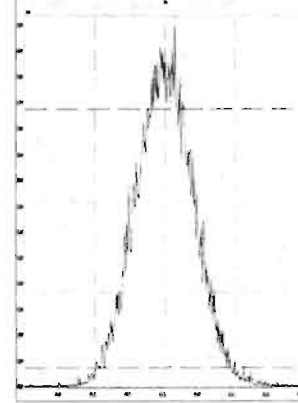
M 380.9760 R 10772



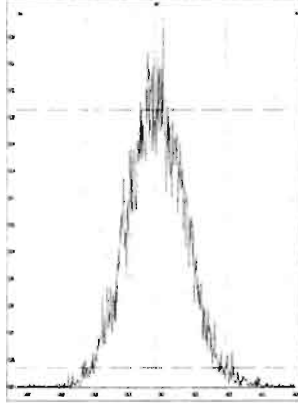
M 392.9760 R 10916



M 404.9760 R 10370



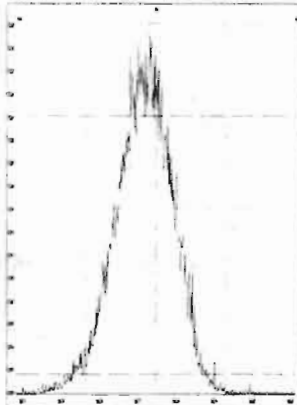
M 416.9760 R 10916



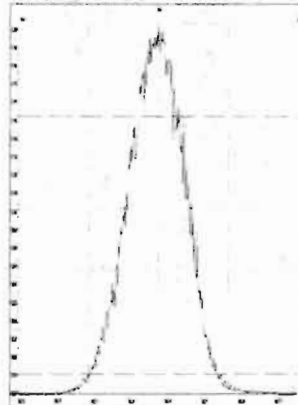
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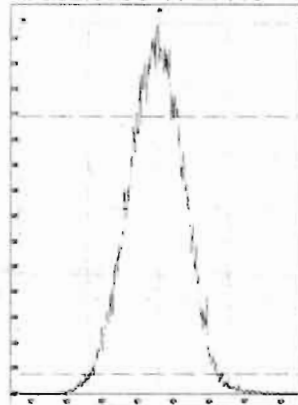
M 366.9792 R 11519



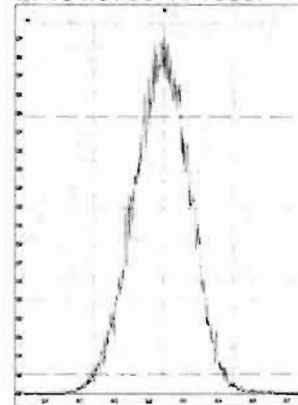
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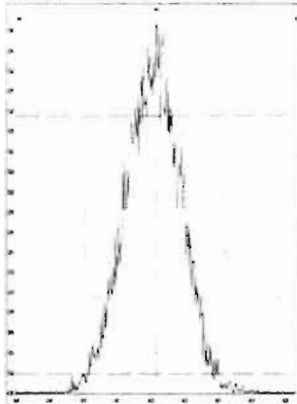
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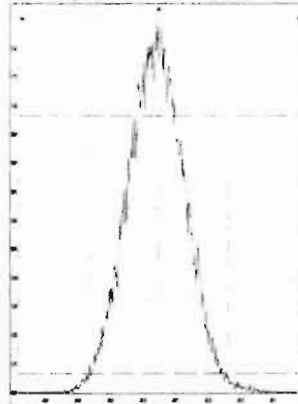
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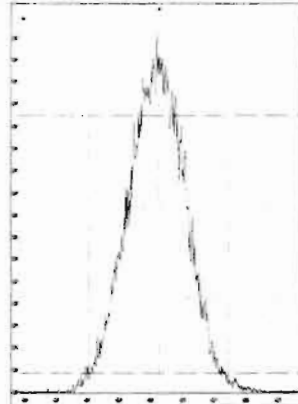
M 416.9760 R 11210



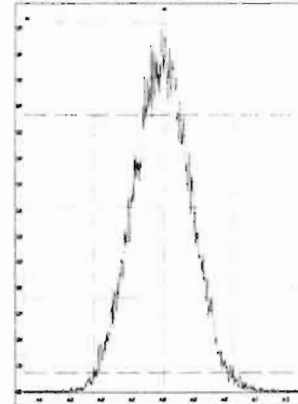
M 430.9728 R 10637



M 442.9728 R 10917



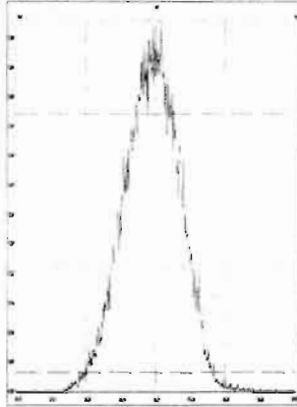
M 454.9728 R 10683



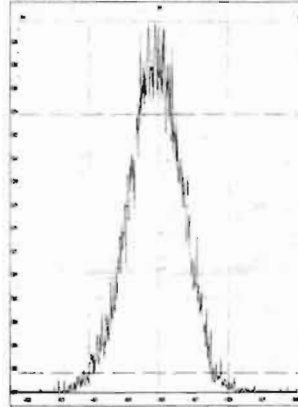
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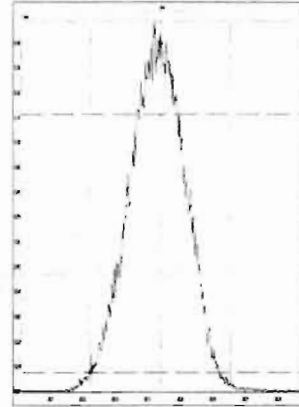
M 404.9760 R 11060



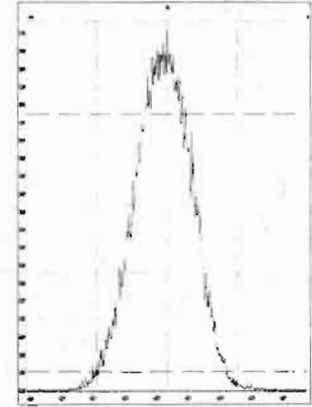
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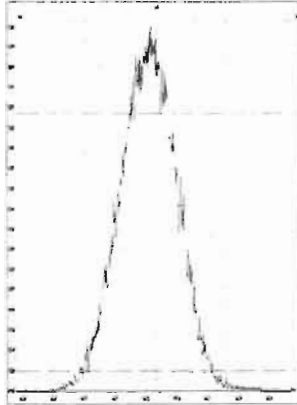
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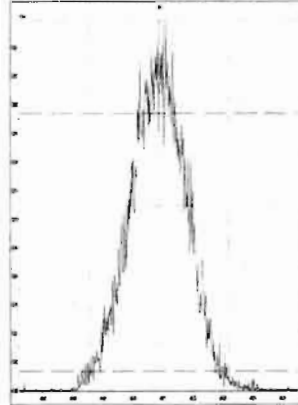
M 442.9728 R 10867



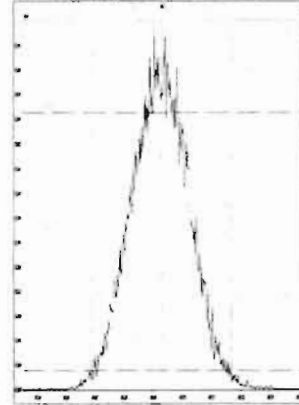
M 454.9728 R 10729



M 466.9728 R 11846



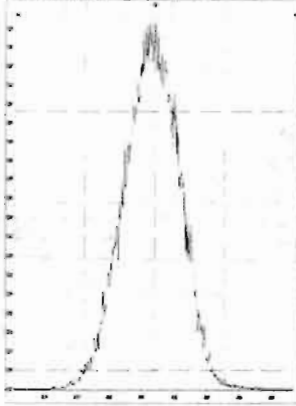
M 480.9696 R 10776



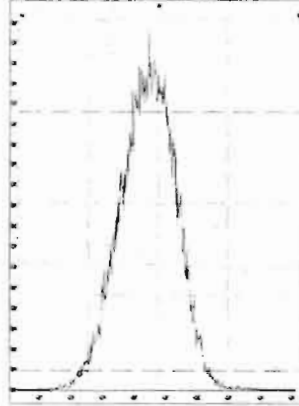
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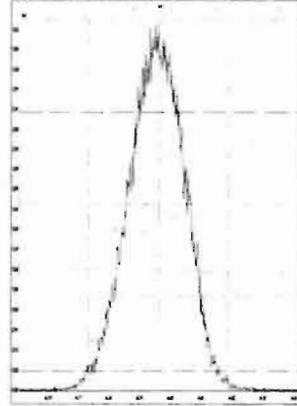
M 430.9728 R 11108



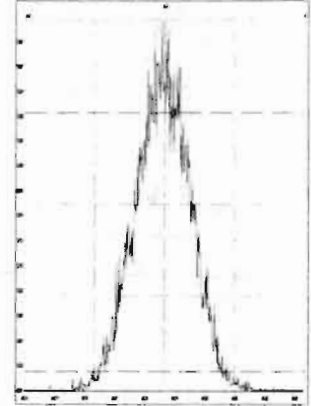
M 442.9728 R 11520



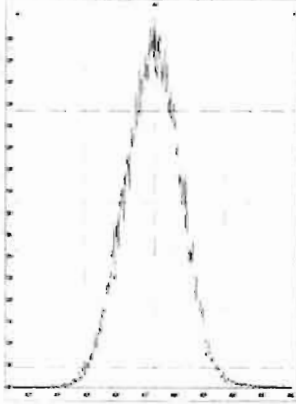
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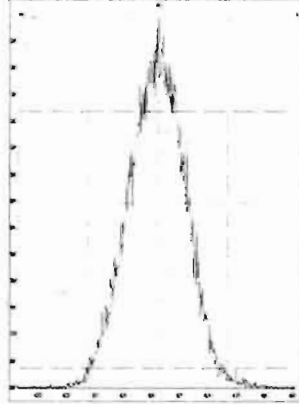
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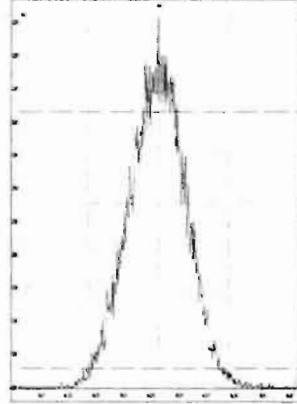
M 480.9696 R 10916



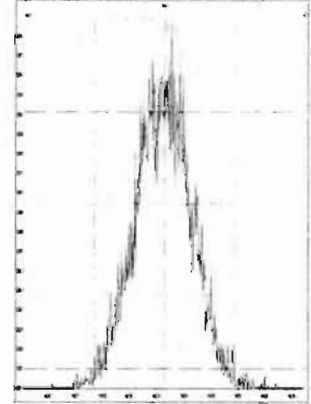
M 492.9696 R 10918



M 504.9696 R 11110



M 516.9697 R 11365



Dataset: Untitled

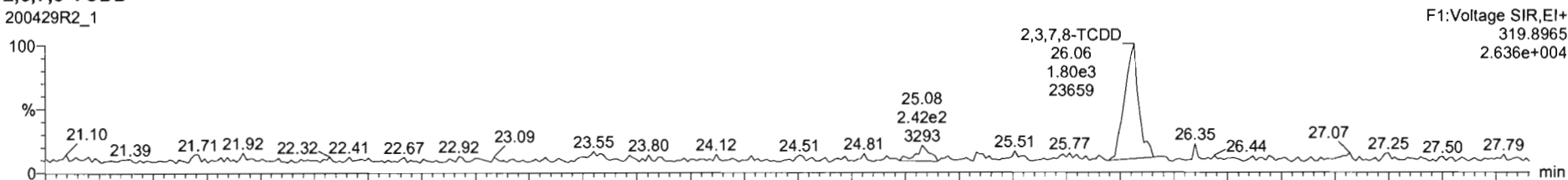
Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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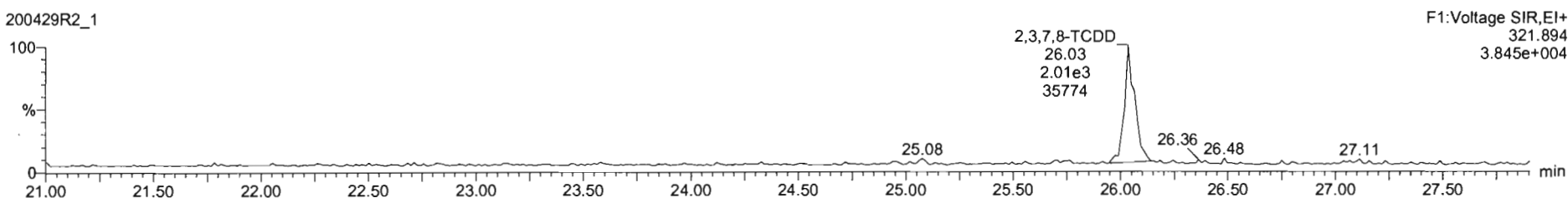
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2,3,7,8-TCDD

200429R2_1

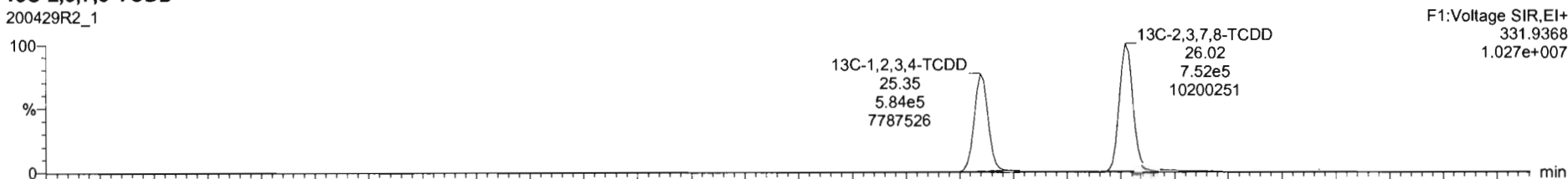


200429R2_1

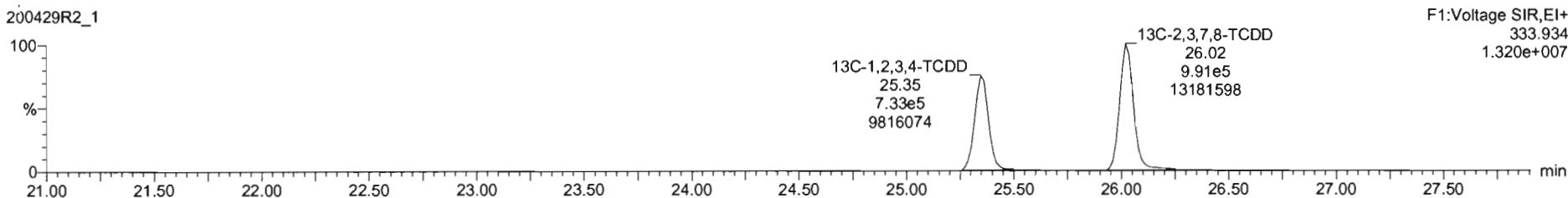


13C-2,3,7,8-TCDD

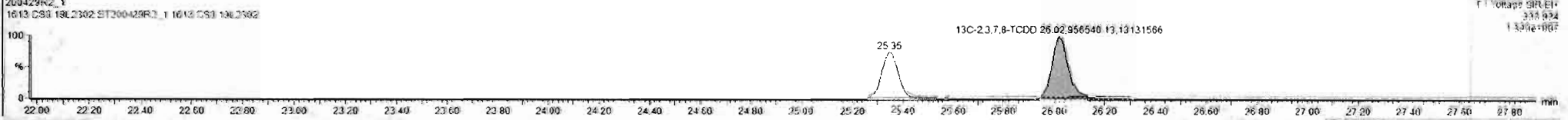
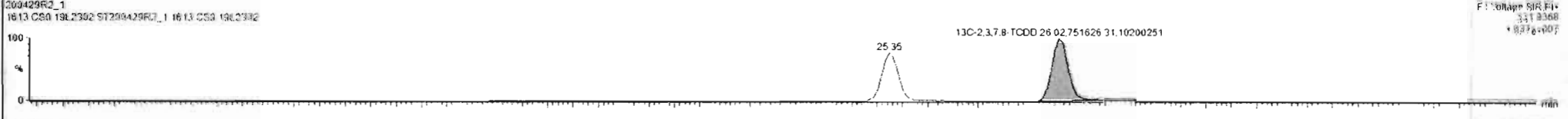
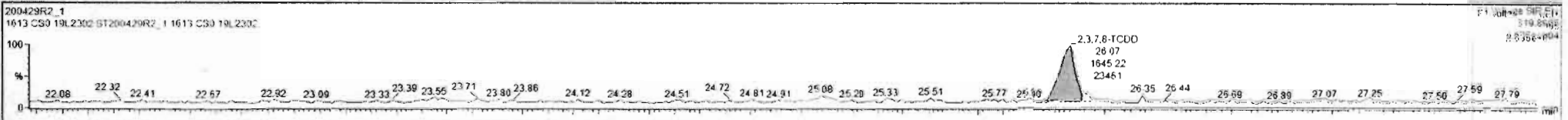
200429R2_1



200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.2	6.35	0.947	0.0587
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.6	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	28.38	1.084	NO	7.9301e3	8.1666e5	1.250	-13.5	6.93	0.896	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.6	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-3.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.54	1.134	NO	1.1393e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.76	1.234	NO	1.2594e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0706
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	26.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



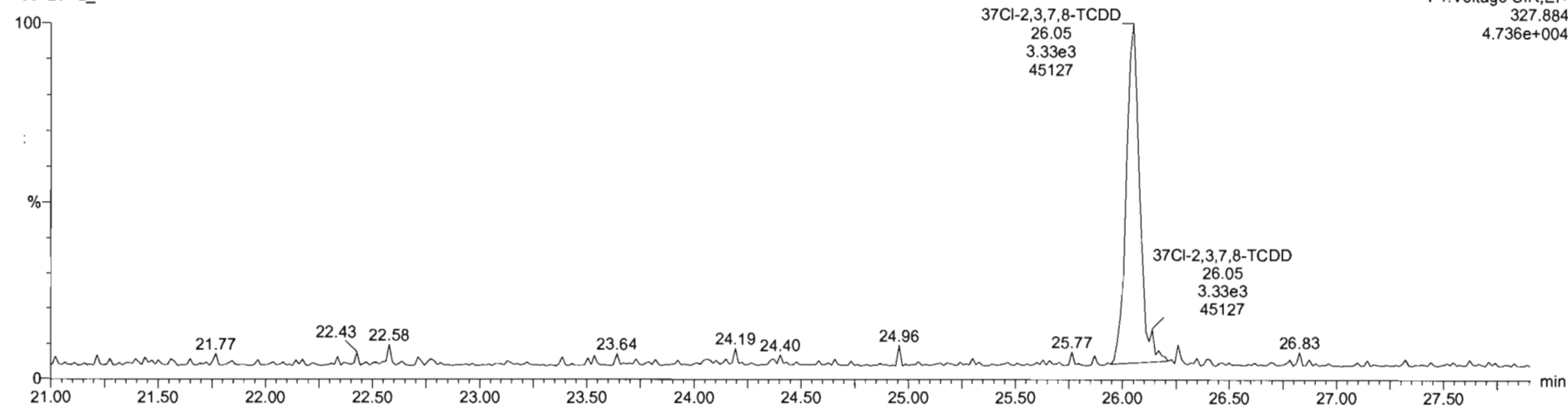
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

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

200429R2_1

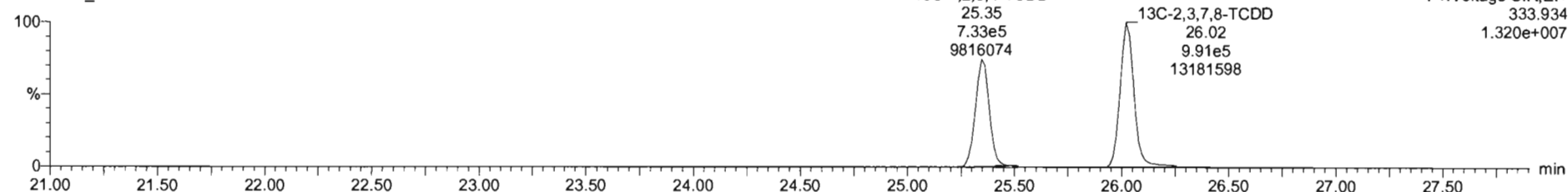


13C-1,2,3,4-TCDD

200429R2_1



200429R2_1



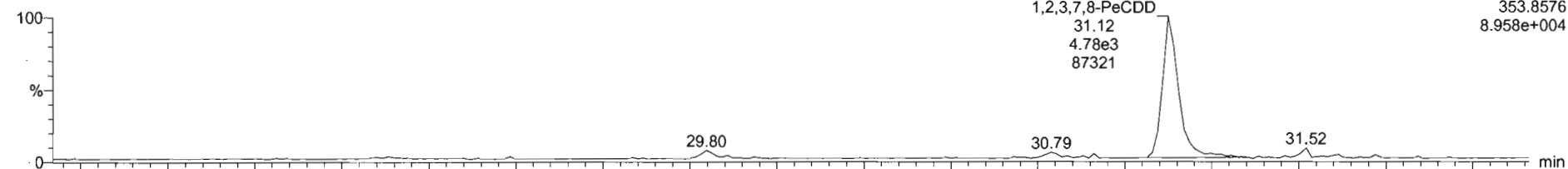
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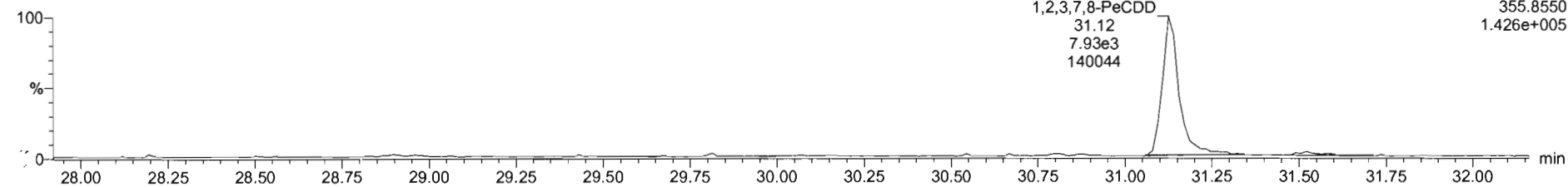
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1,2,3,7,8-PeCDD

200429R2_1

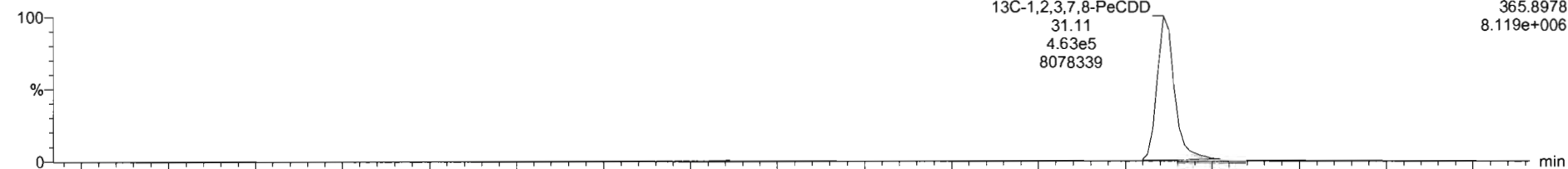


200429R2_1

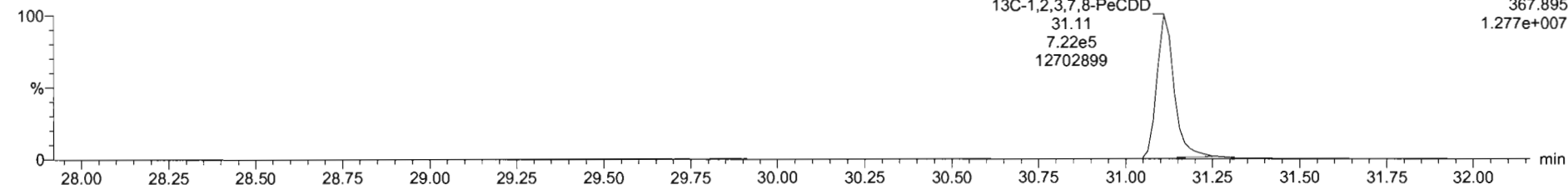


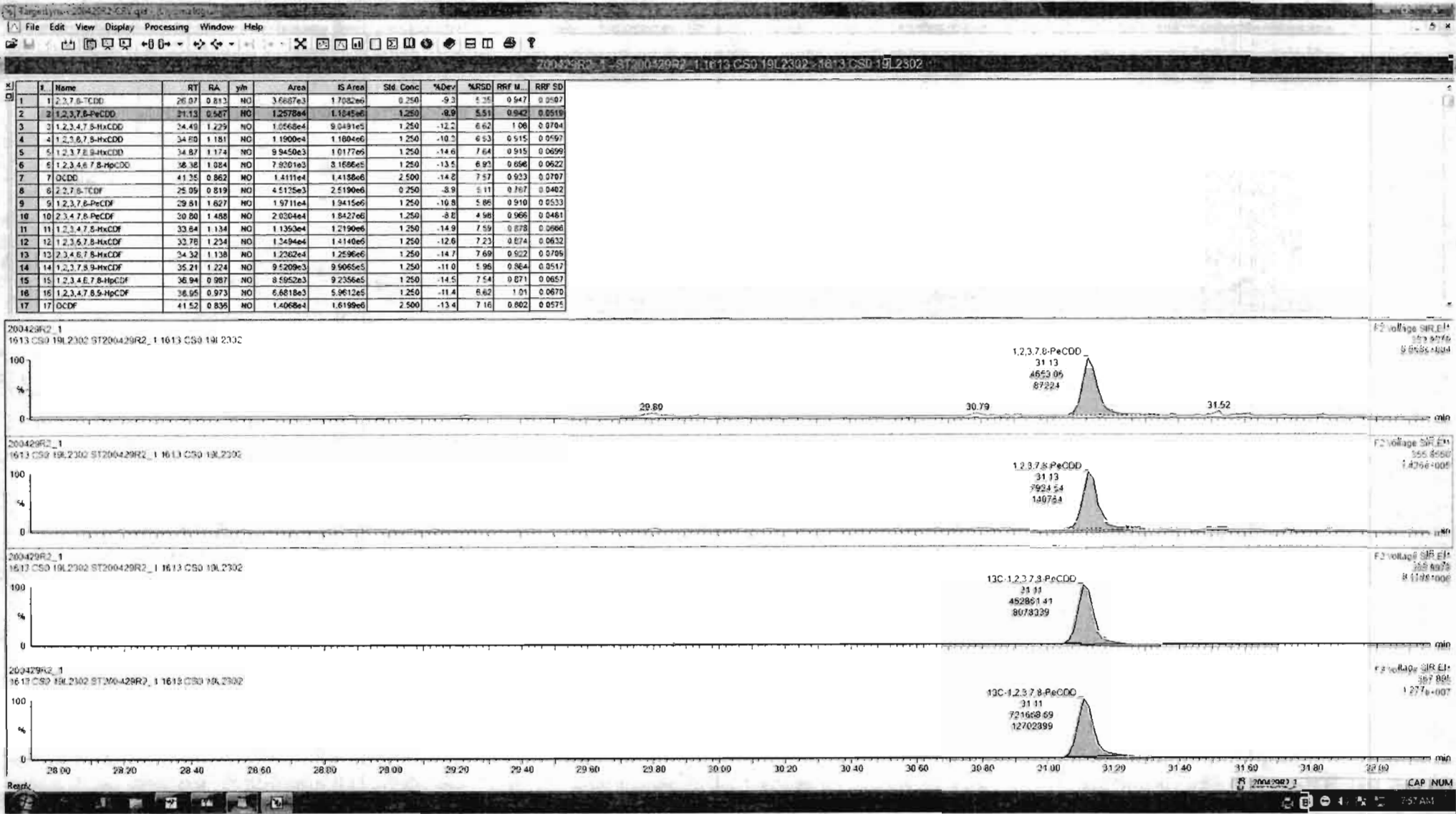
13C-1,2,3,7,8-PeCDD

200429R2_1



200429R2_1





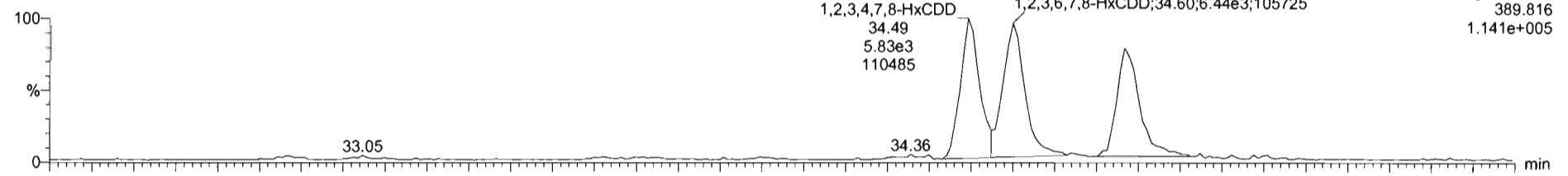
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

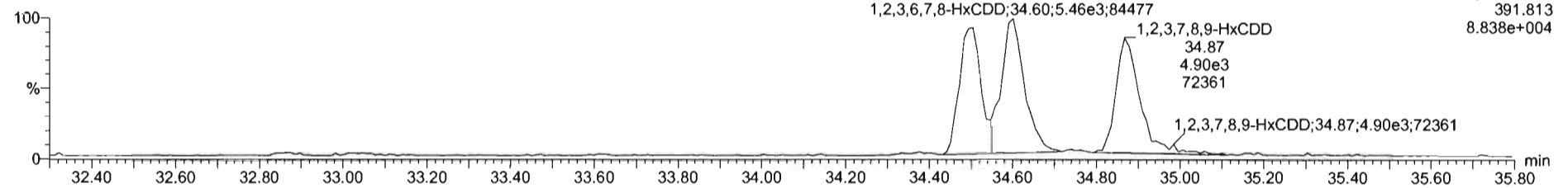
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1,2,3,4,7,8-HxCDD

200429R2_1

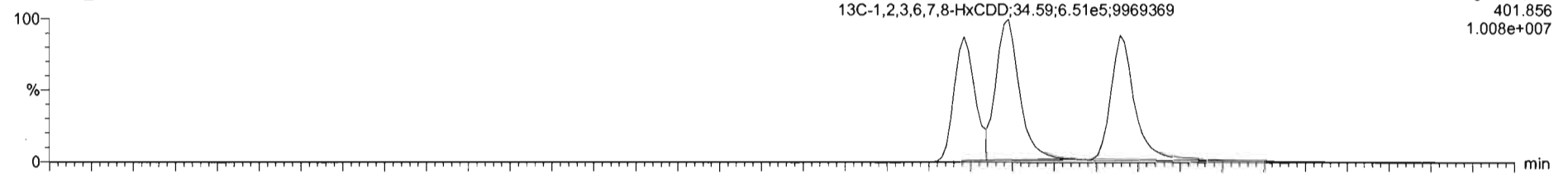


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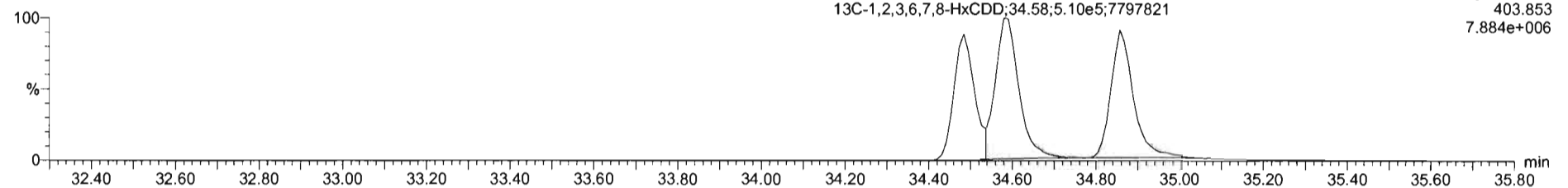


13C-1,2,3,4,7,8-HxCDD

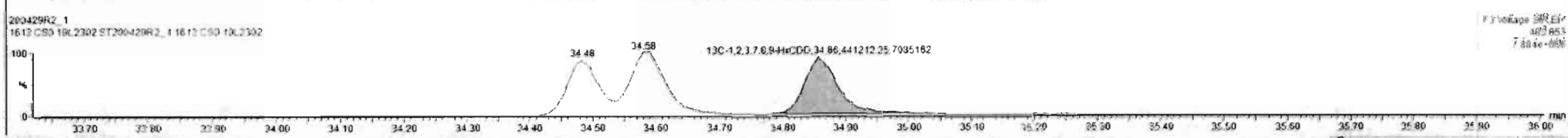
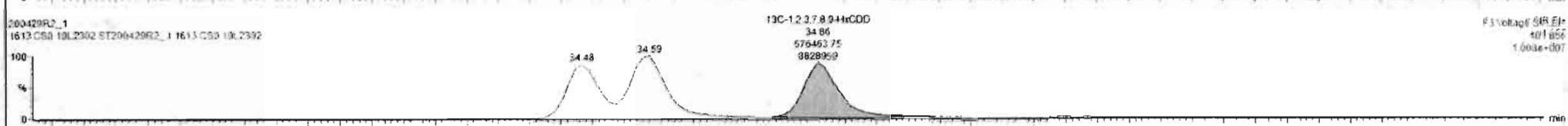
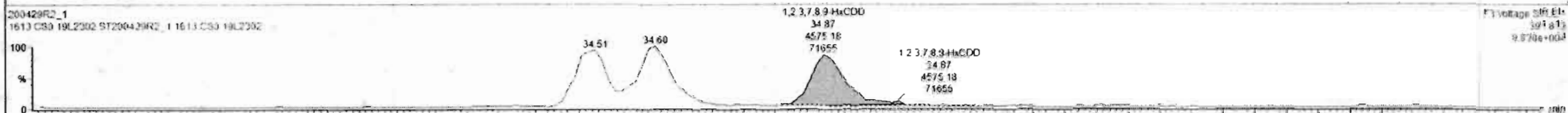
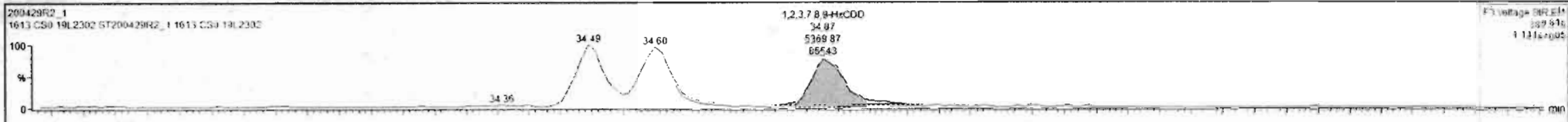
200429R2_1



200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.913	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.67	1.174	NO	9.9450e3	1.0177e6	1.250	-14.4	7.64	0.915	0.0590
6	1,2,3,4,6,7,8-HpCDD	36.38	1.054	NO	7.9201e3	8.1666e5	1.250	-13.5	8.93	0.656	0.0522
7	OCDD	41.35	0.862	NO	1.4111e4	1.4186e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.95	0.919	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.027	NO	1.9711e4	1.9415e6	1.250	-10.8	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1393e4	1.2190e6	1.250	-14.3	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0789
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	DCDF	41.52	0.836	NO	1.4066e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



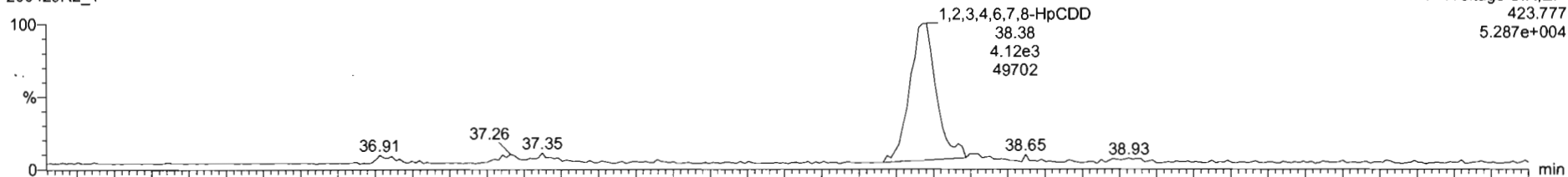
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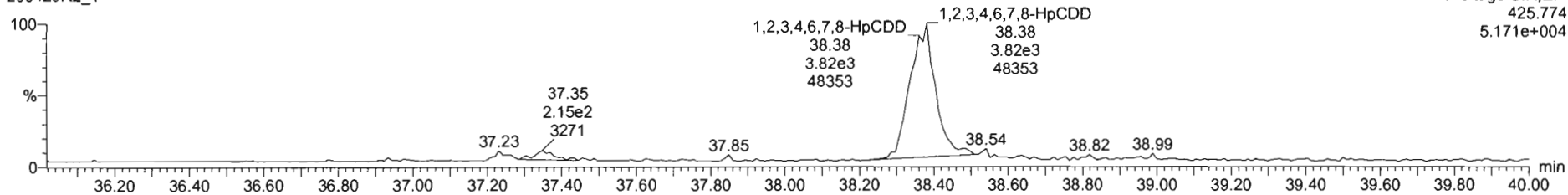
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200429R2_1

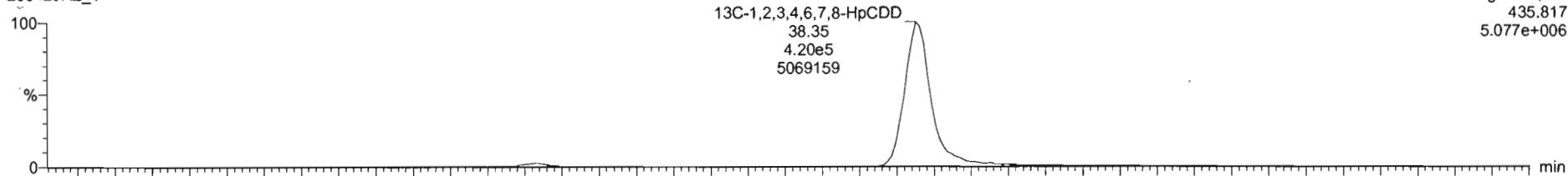


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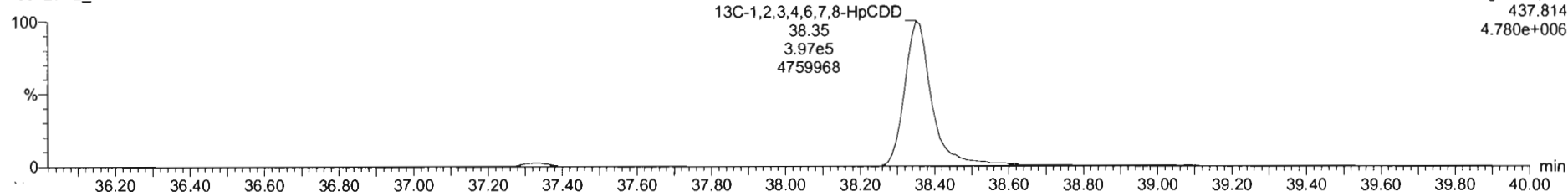


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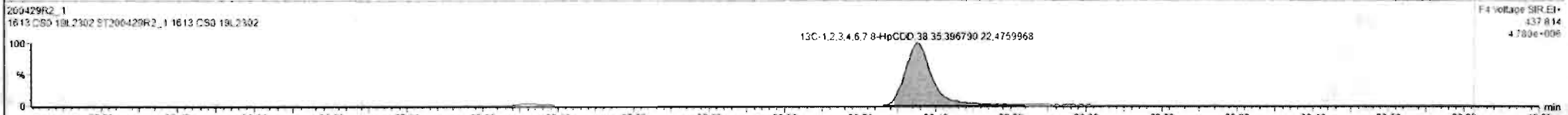
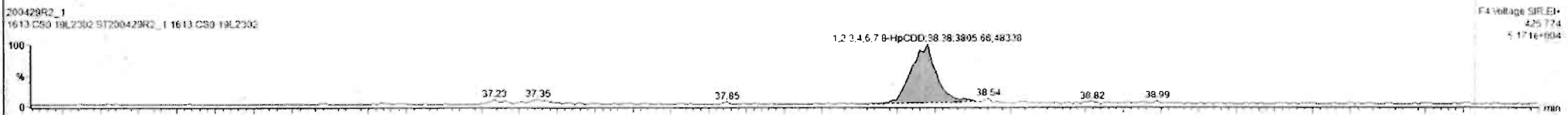
200429R2_1



200429R2_1



#	Name	RT	RA	y/h	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,6-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1846e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.6491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1694e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0117e6	1.250	-14.6	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.38	1.554	NO	7.9501e3	2.1666e5	1.250	-13.5	8.93	0.898	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2150e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0627
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8818e3	5.9812e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



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200429R2_1

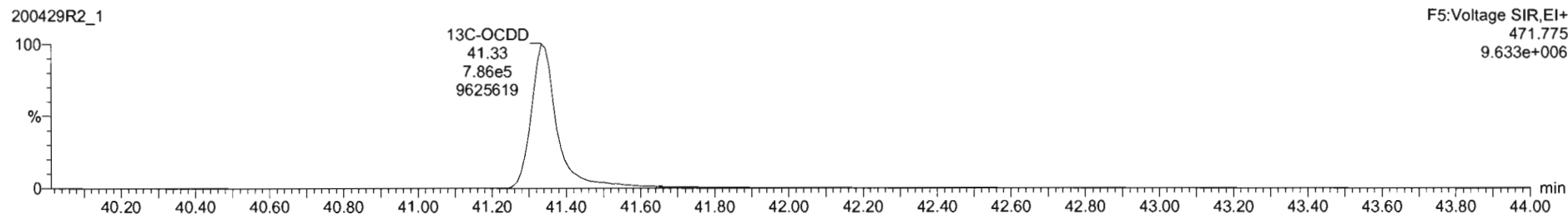
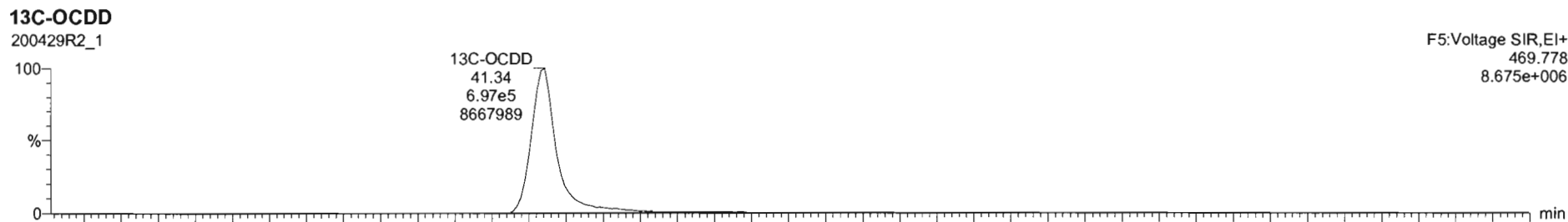
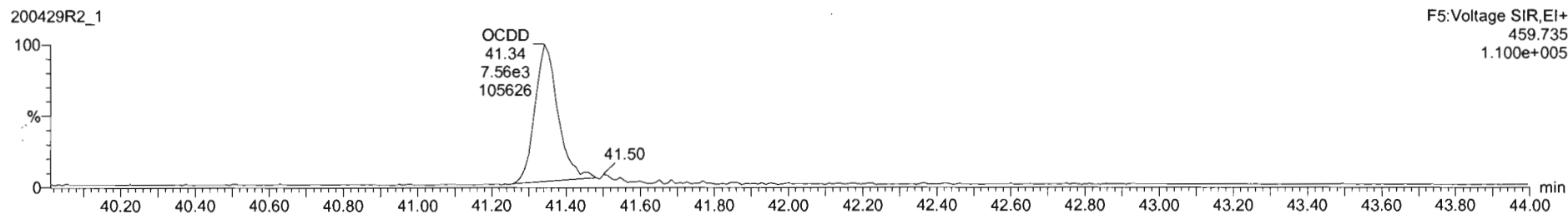
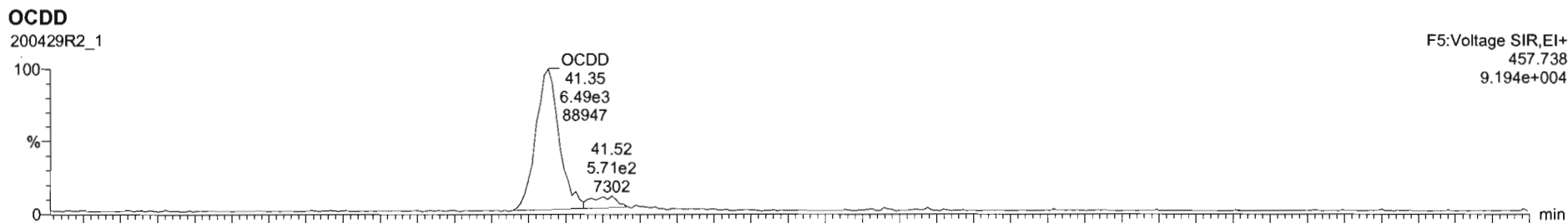
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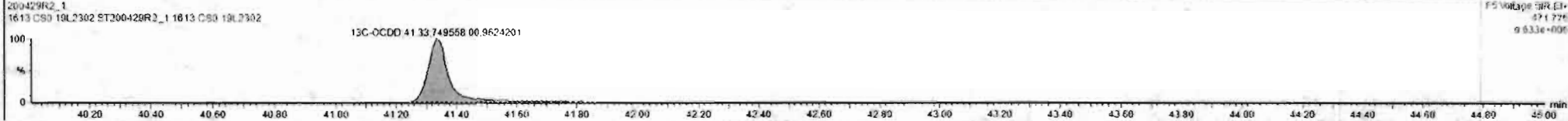
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#	Name	RT	RA	Yn	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.97	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0407
2	1,2,3,7,8-PeCDD	31.12	0.587	NO	1.2678e4	1.1845e6	1.250	-8.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.9568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1906e4	1.1604e6	1.250	-10.2	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.3	7.57	0.933	0.0767
8	2,3,7,8-TCDF	26.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.96	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.455	NO	2.0204e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1933e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.234	NO	1.3454e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.927	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.967	NO	8.5552e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6218e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.862	0.0575



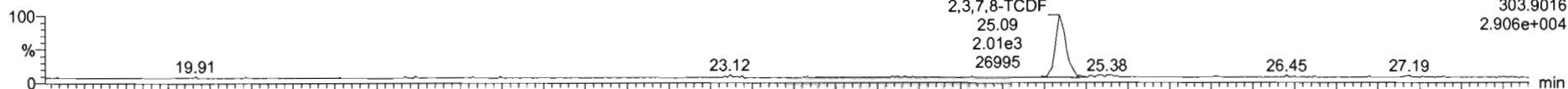
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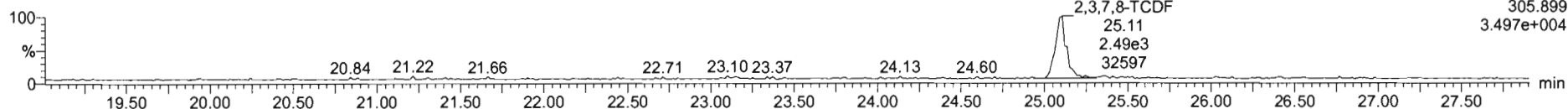
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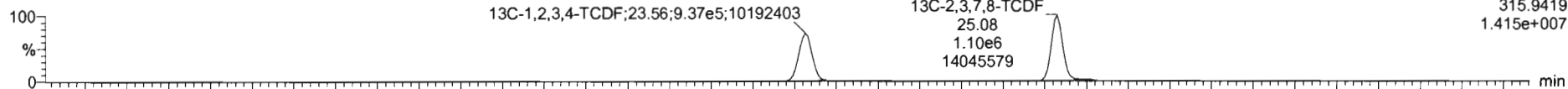


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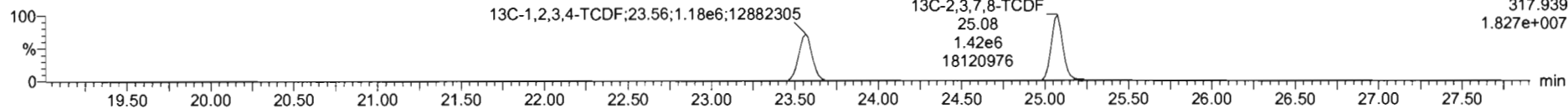


13C-2,3,7,8-TCDF

200429R2_1

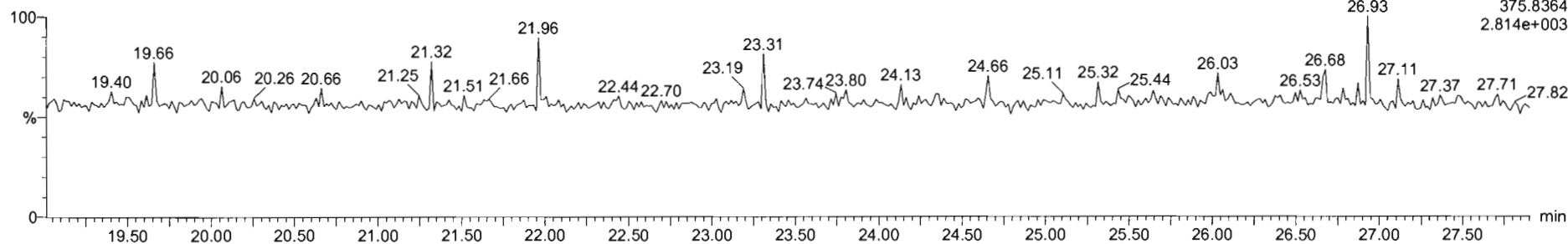


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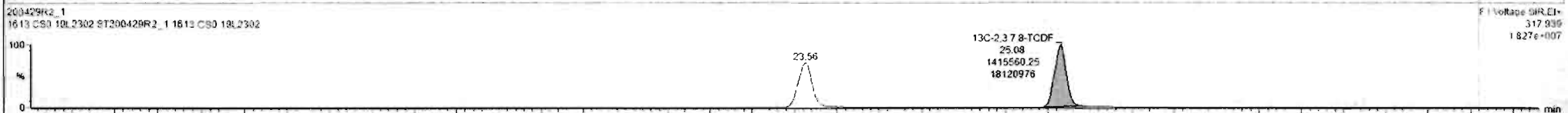
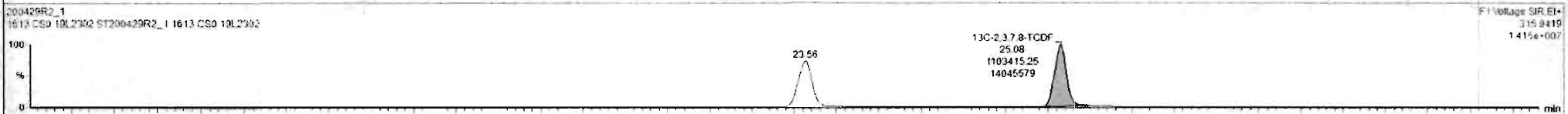
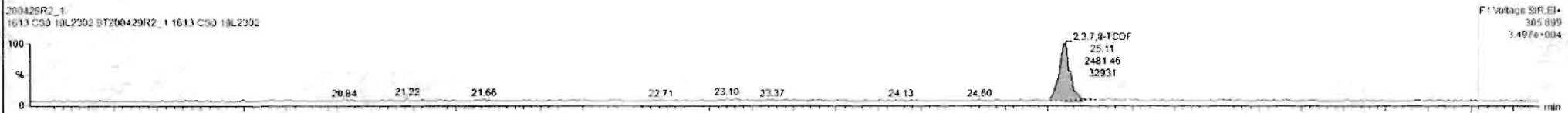
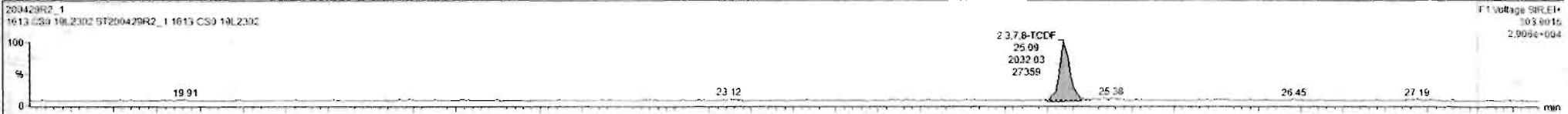


DPE1

200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDF	26.07	0.813	NO	3.6607e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.001e3	3.1686e5	1.250	-13.5	6.93	0.698	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.0	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5135e3	2.5190e6	0.250	-8.9	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.0	4.98	0.968	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0568
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.2494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9085e5	1.250	-11.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	3.5952e3	9.2386e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8018e3	5.9012e5	1.250	-11.4	6.82	1.01	0.0879
17	OCDF	41.52	0.838	NO	1.4068e4	1.6198e6	2.500	-13.4	7.16	0.802	0.0575



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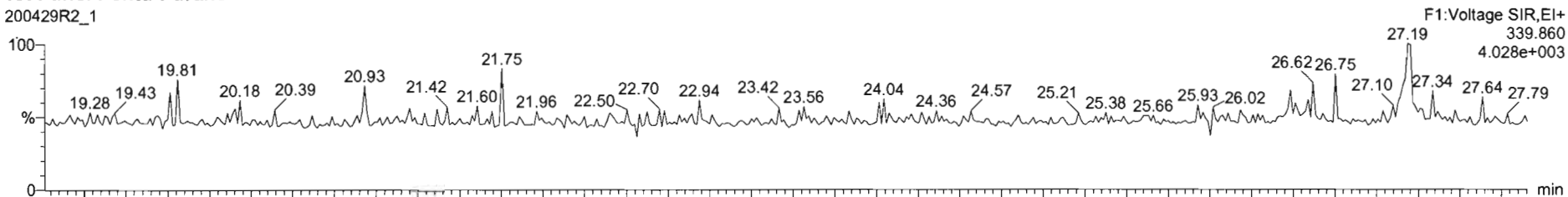
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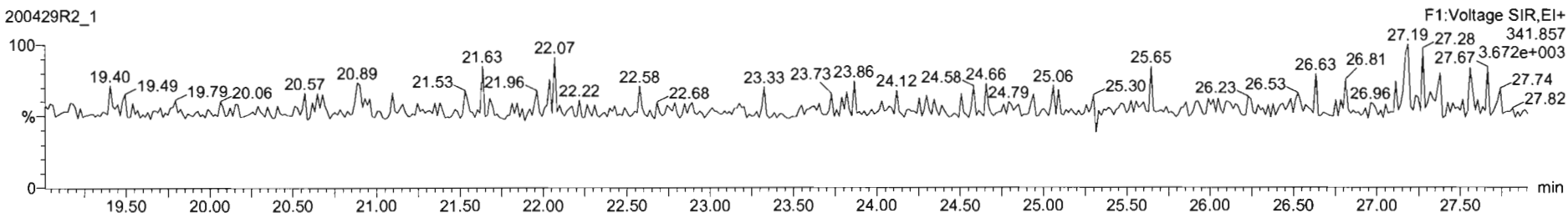
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200429R2_1

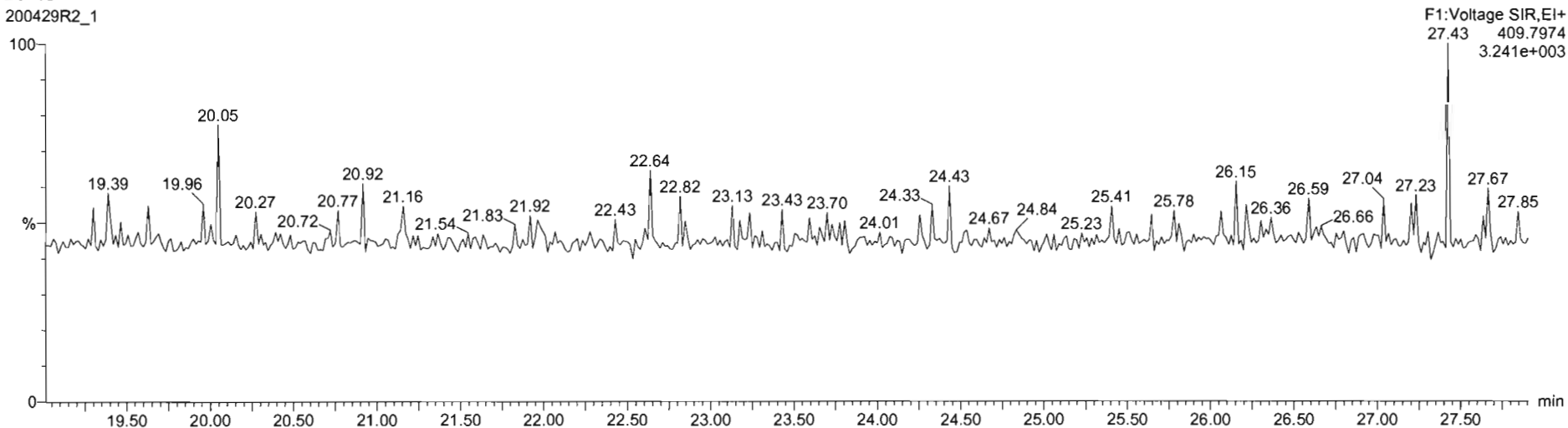


200429R2_1



DPE6

200429R2_1

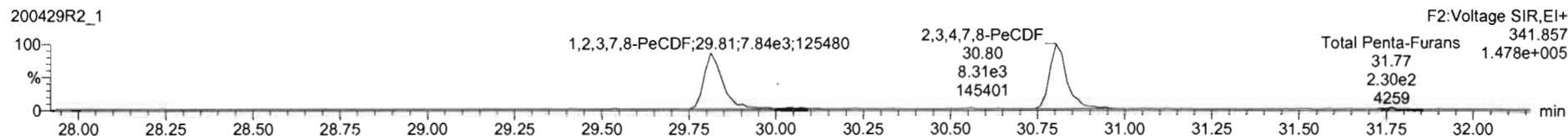
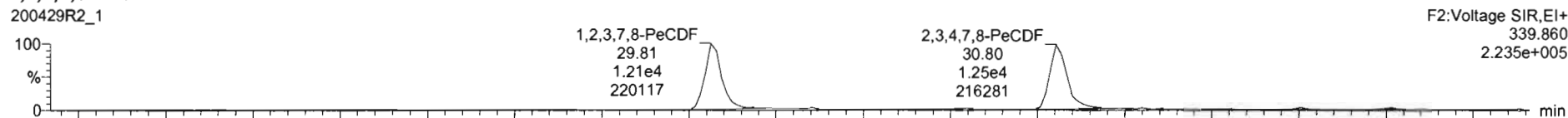


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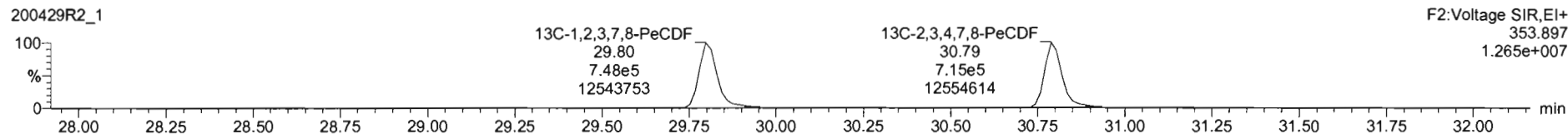
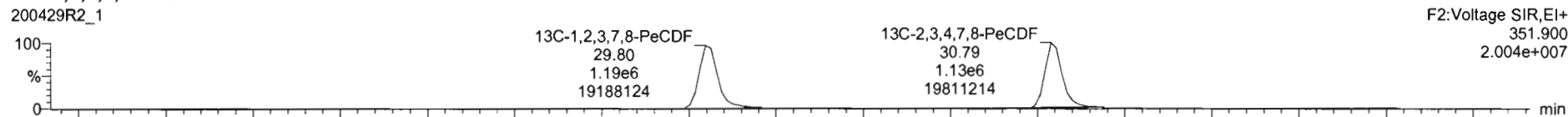
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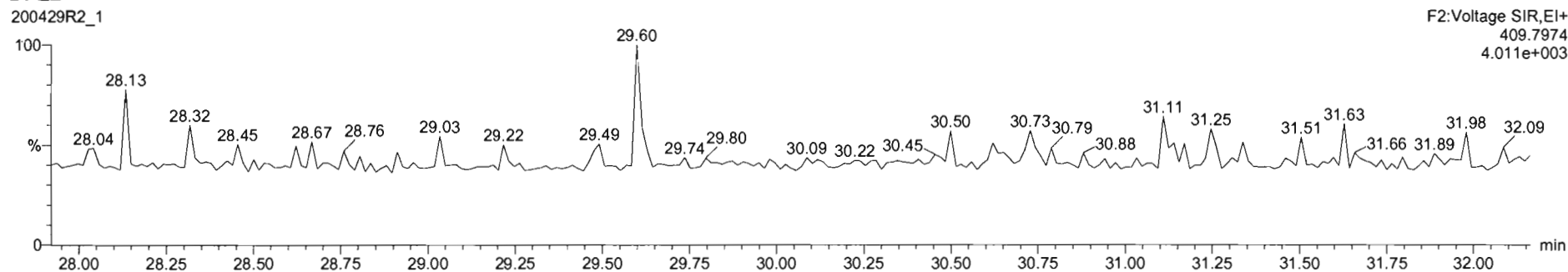
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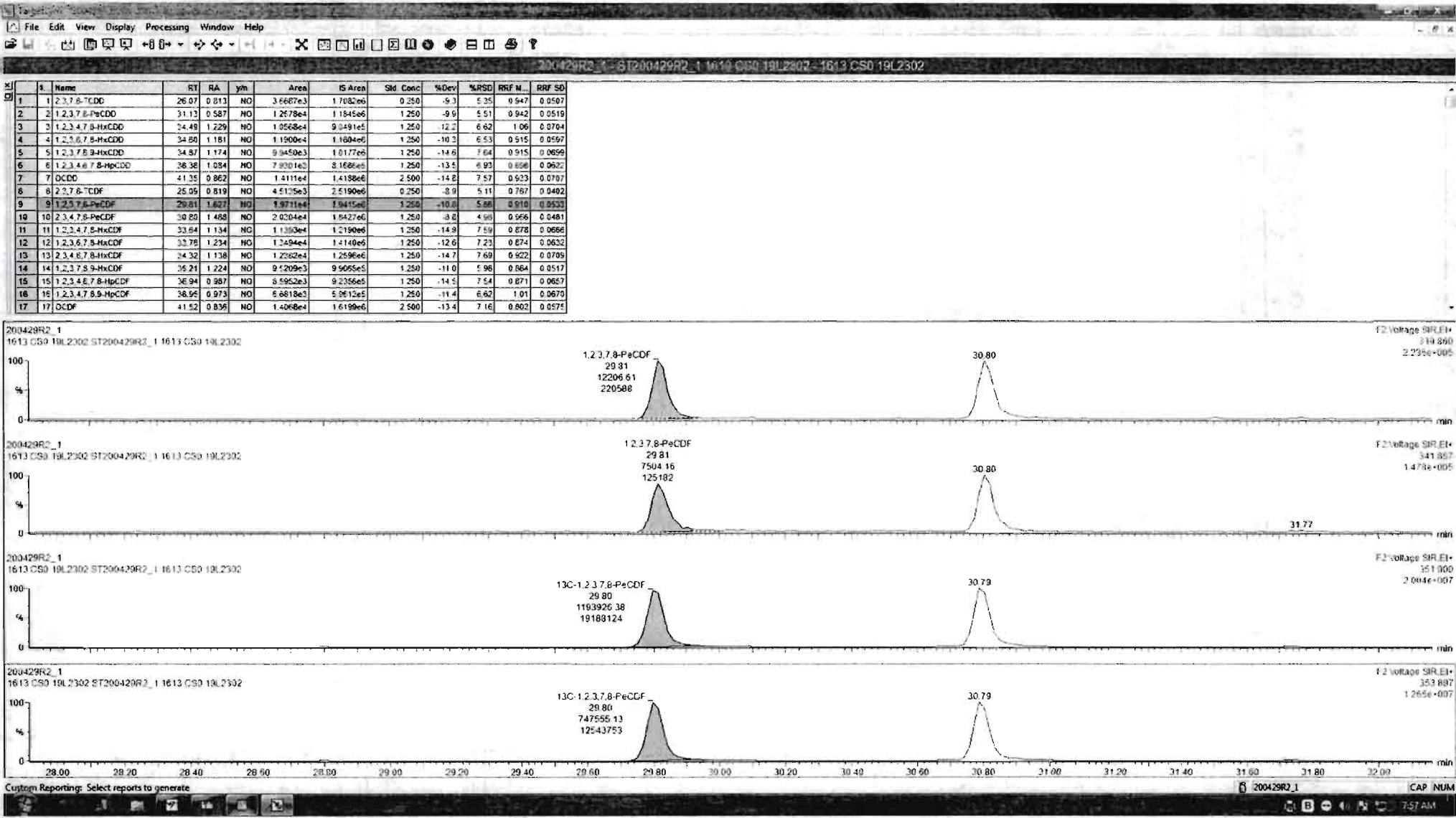


13C-1,2,3,7,8-PeCDF



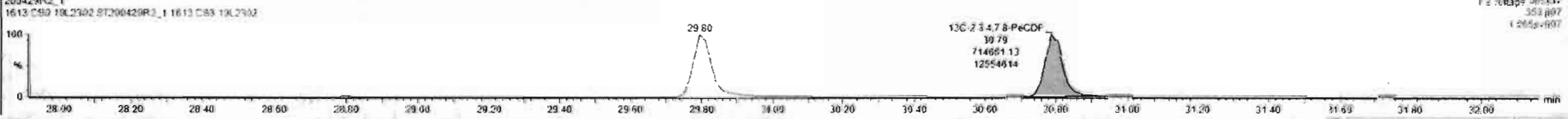
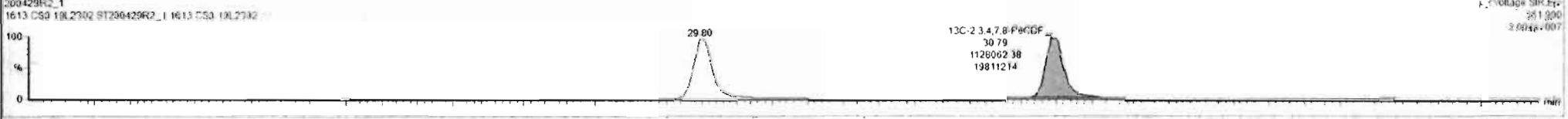
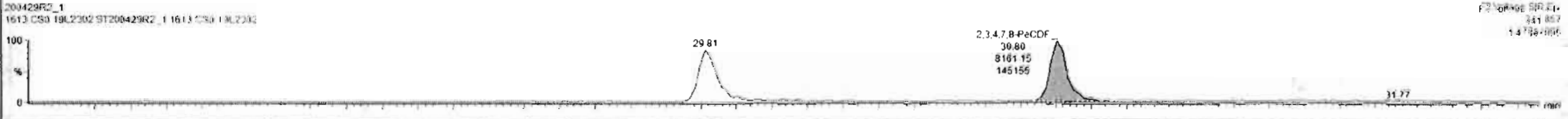
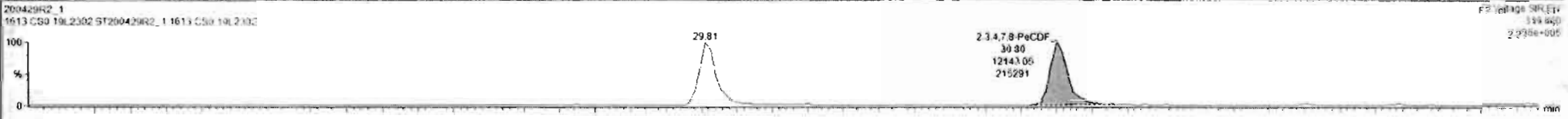
DPE2





200429R2_1 - ST200429R2_1 1613 CS0 19L2302 - 1613 CS0 19L2302

#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e0	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.191	NO	1.1909e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.9201e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0767
8	2,3,7,8-TCDF	25.09	0.519	NO	4.5135e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.30	1.488	NO	2.0304e4	1.8427e6	1.250	-3.0	4.88	0.968	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5652e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	5.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



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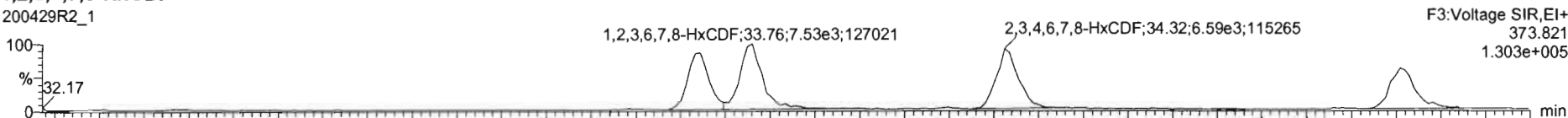
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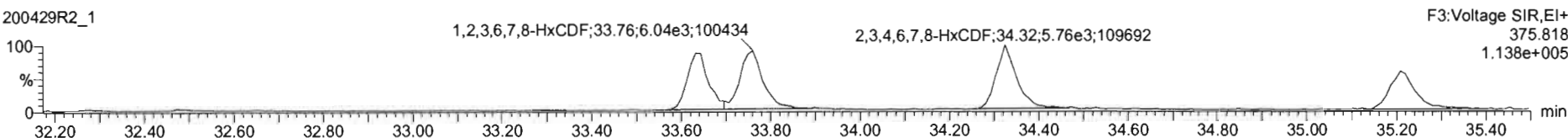
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200429R2_1

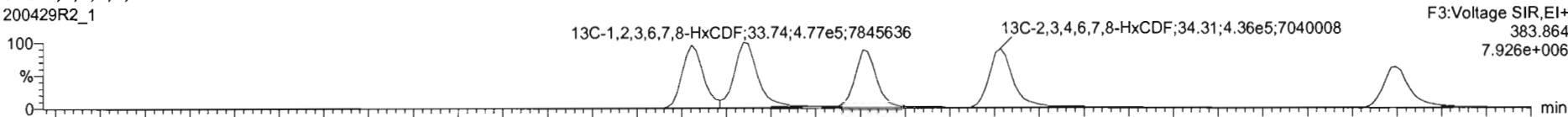


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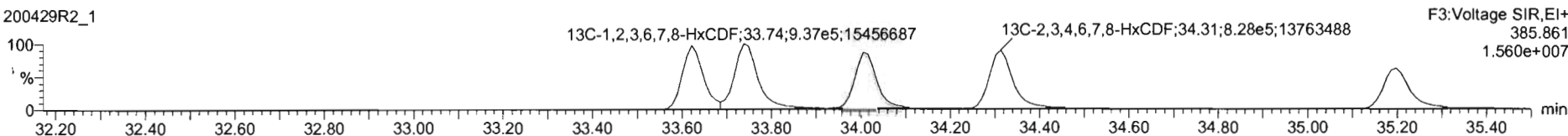


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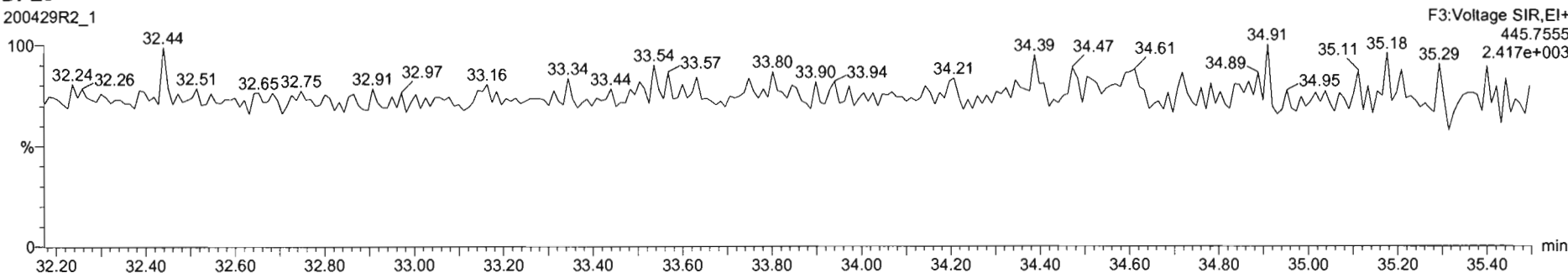


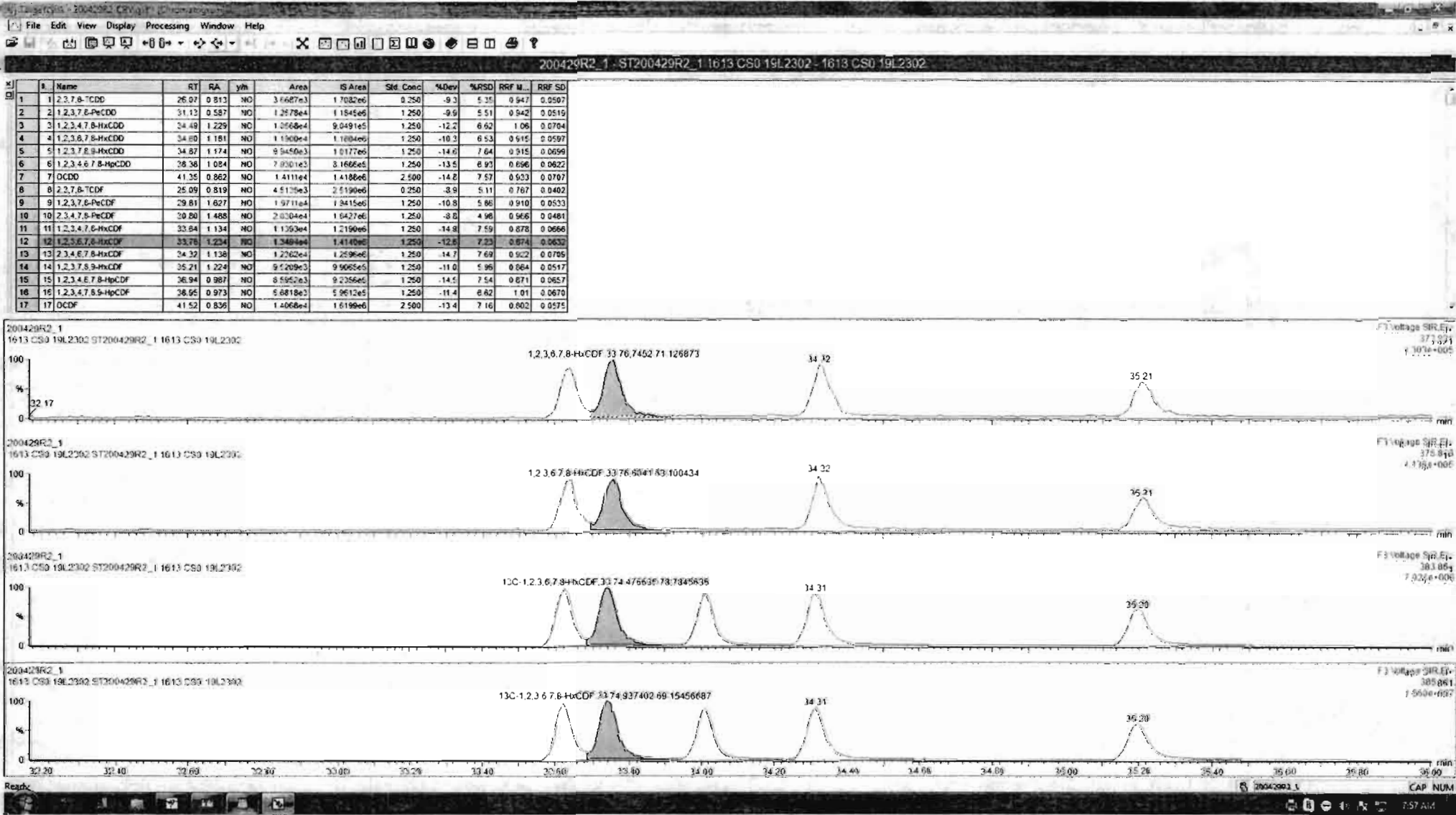
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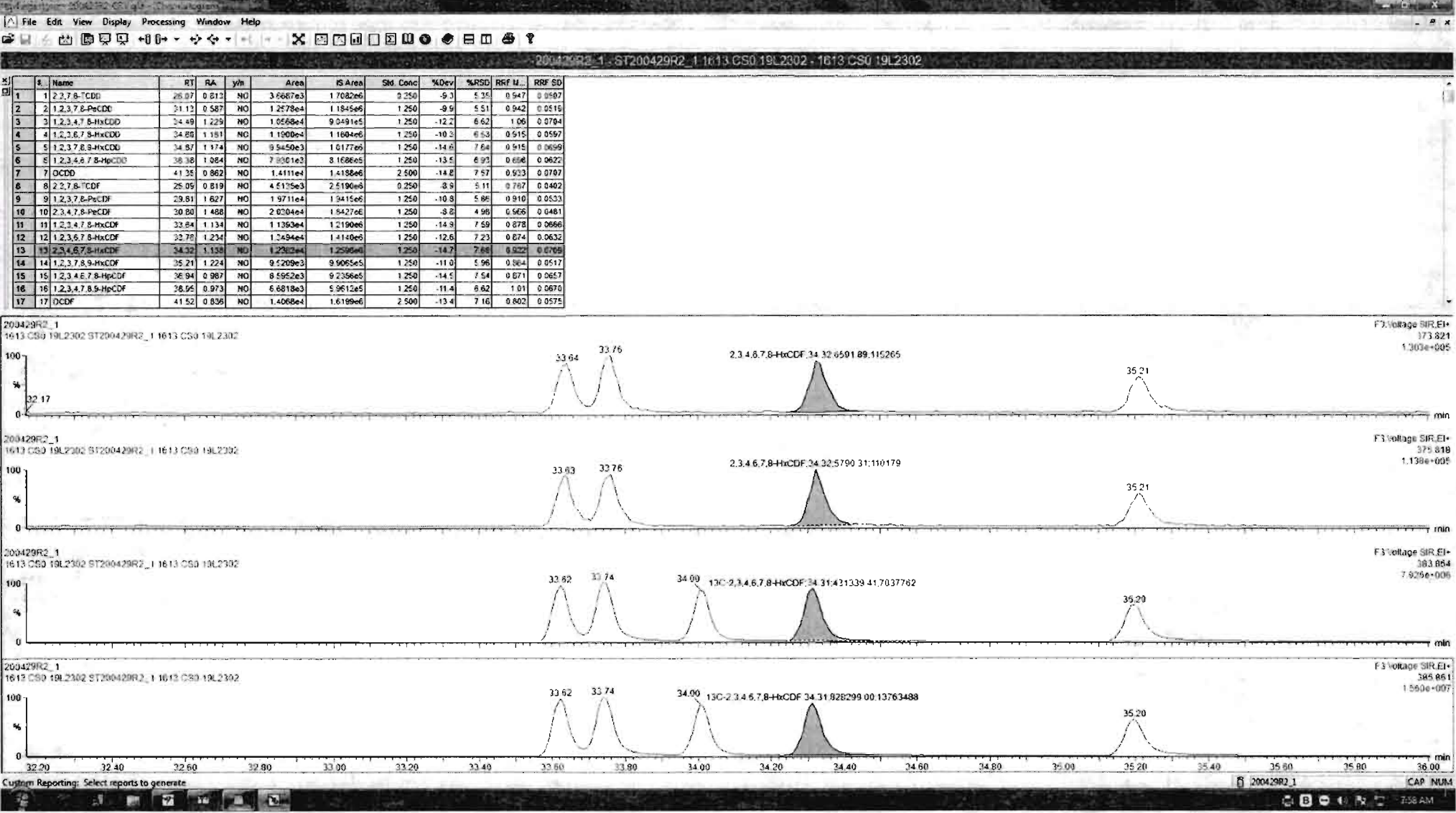


DPE3

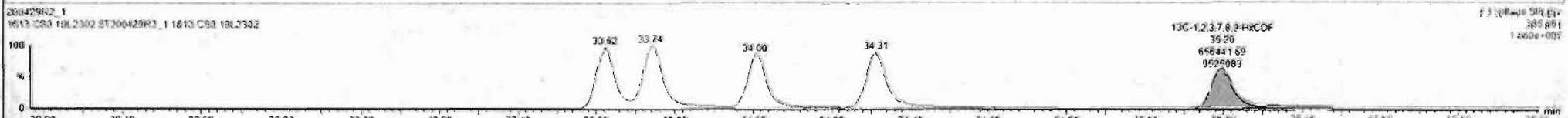
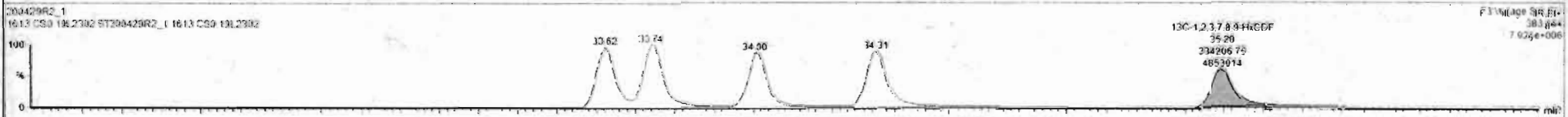
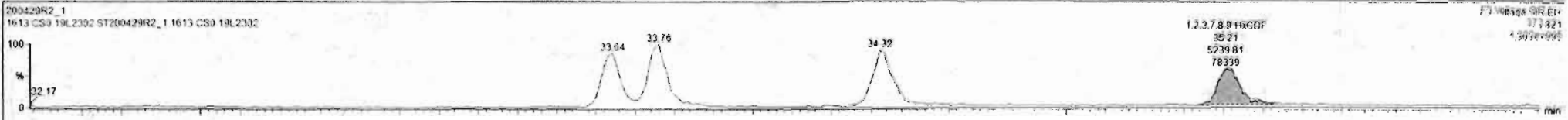
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#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	6.37	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2778e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1689e6	1.250	-10.3	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.5450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9016e3	3.1686e5	1.250	-13.5	6.92	0.656	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.633	0.0707
8	1,2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.4190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,6-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0044e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.37	1.138	NO	1.2062e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.704	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.967	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	5.6818e3	5.9612e5	1.250	-11.4	6.82	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4066e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



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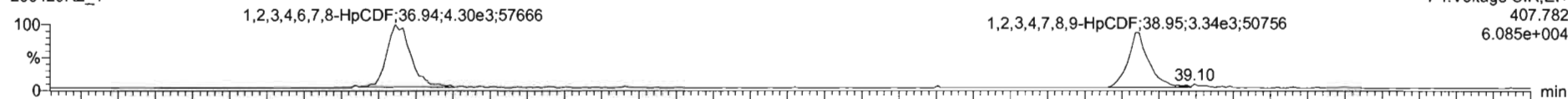
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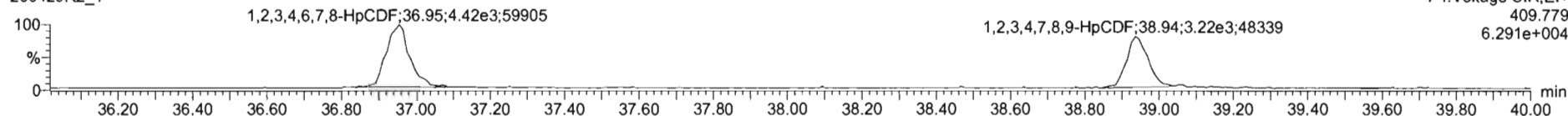
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1,2,3,4,6,7,8-HpCDF

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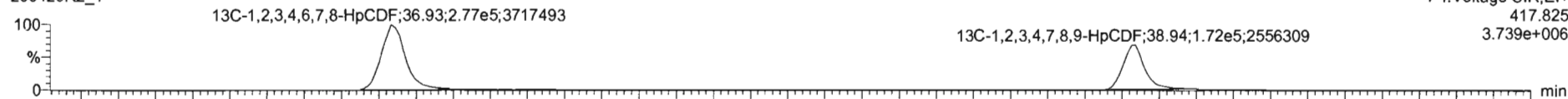


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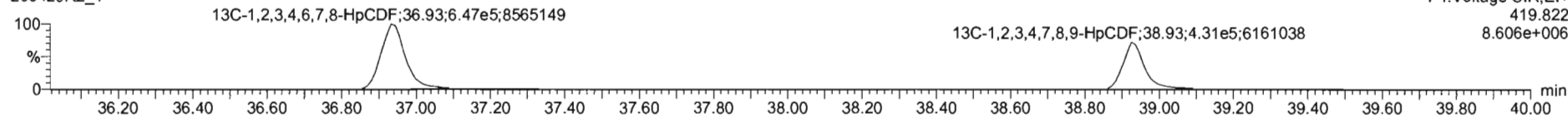


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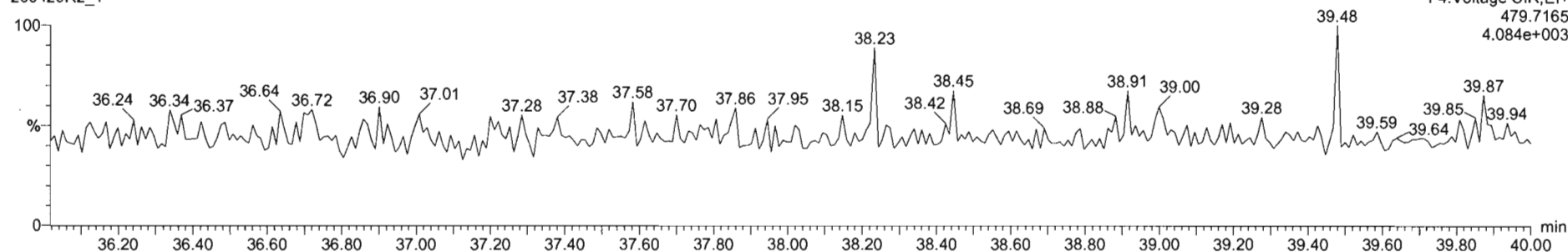


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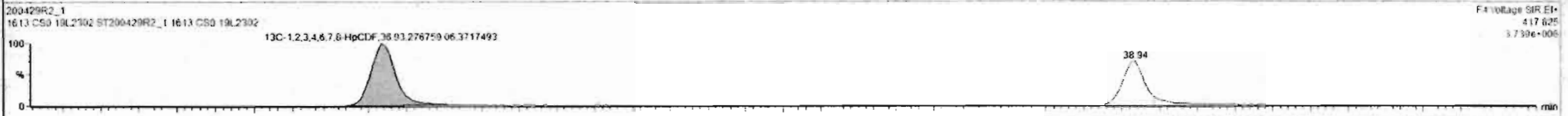
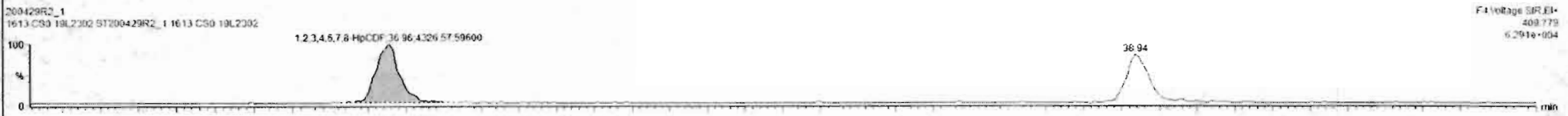
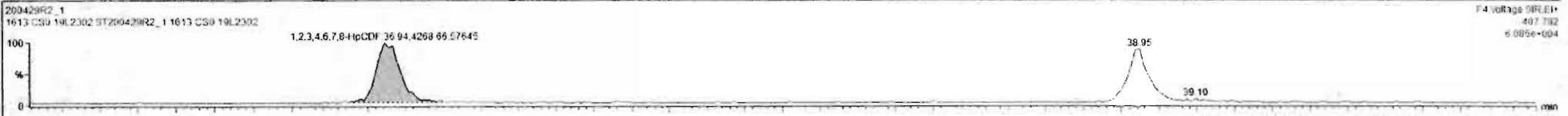


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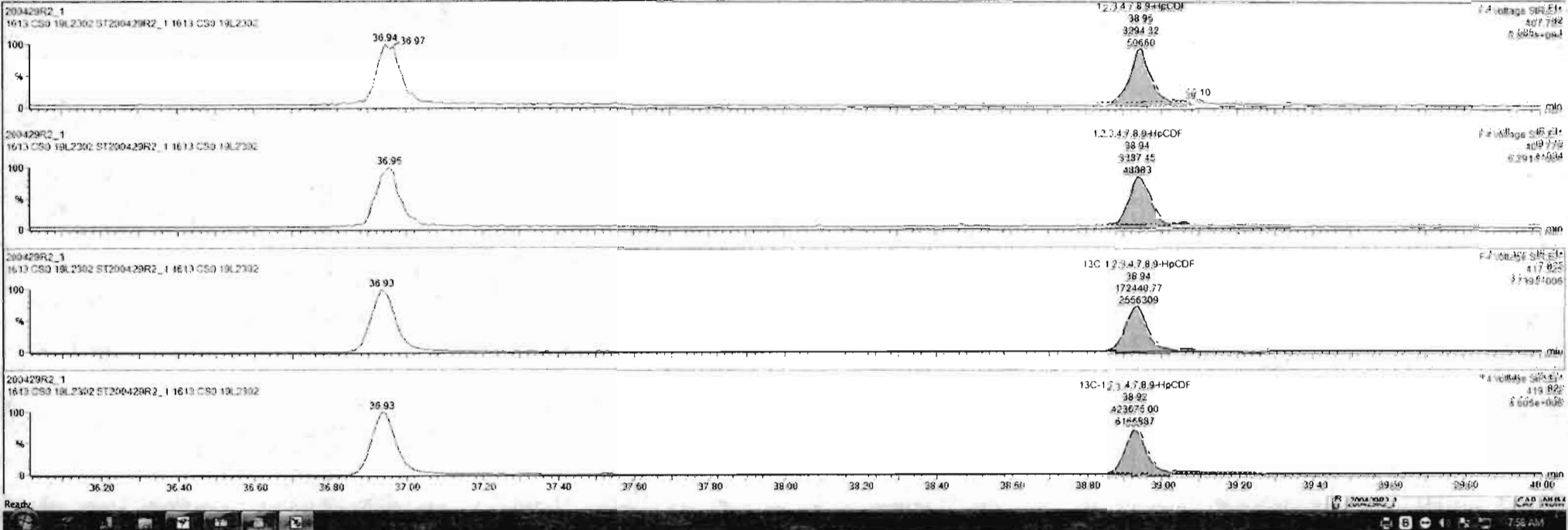
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#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6667e3	1.7087e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2678e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.9491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1696e5	1.250	-13.5	6.93	0.656	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	1,2,7,8-TCDF	26.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.66	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.80	1.468	NO	2.9304e4	1.8427e6	1.250	-8.2	4.98	0.968	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.68	0.922	0.0789
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.984	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5862e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	38.95	0.873	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	9.3	6.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.5	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.161	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.515	0.0592
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.36	1.054	NO	7.9301e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4198e6	2.500	-14.0	7.57	0.923	0.0702
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.458	NO	2.0204e4	1.9427e6	1.250	-8.0	4.98	0.566	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.674	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.6065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8019e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.826	NO	1.4066e4	1.6199e6	2.500	-13.4	7.10	0.802	0.0575



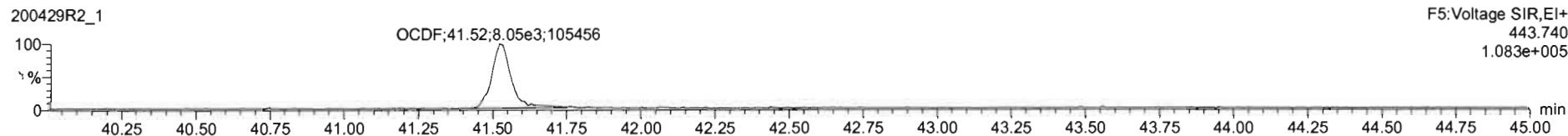
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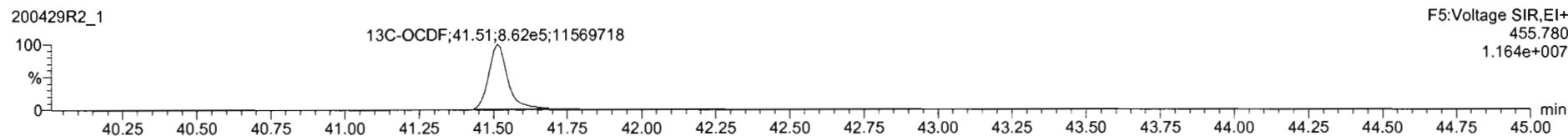
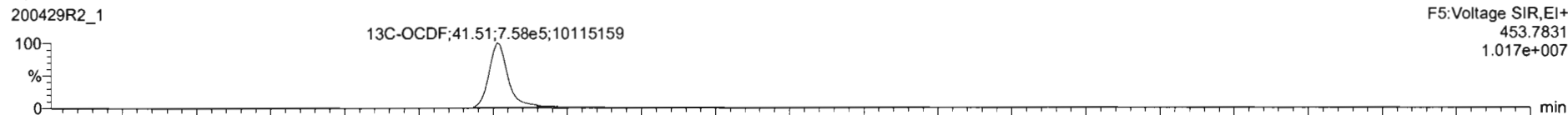
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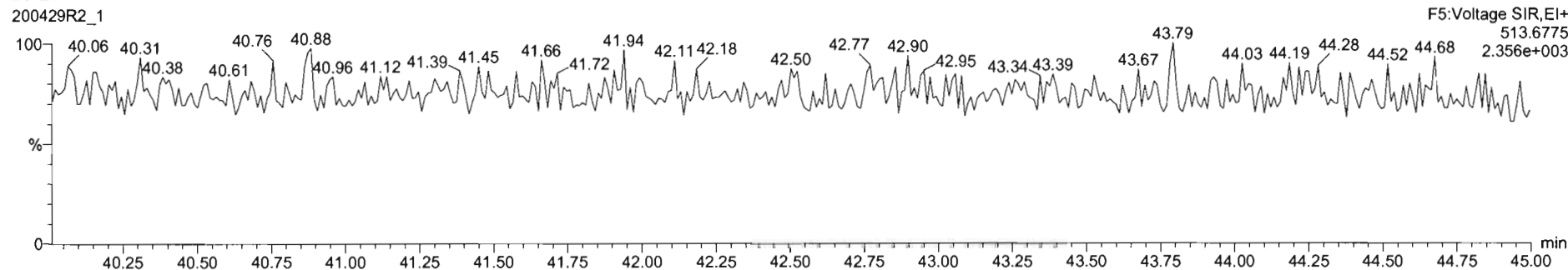
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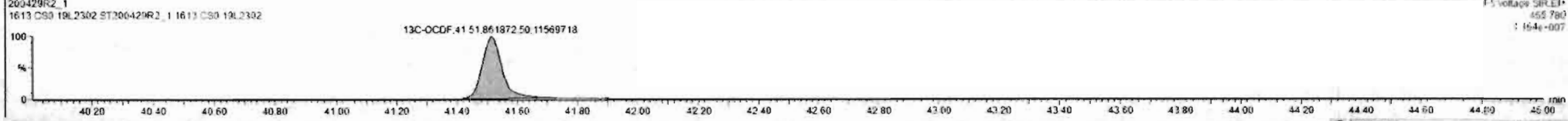
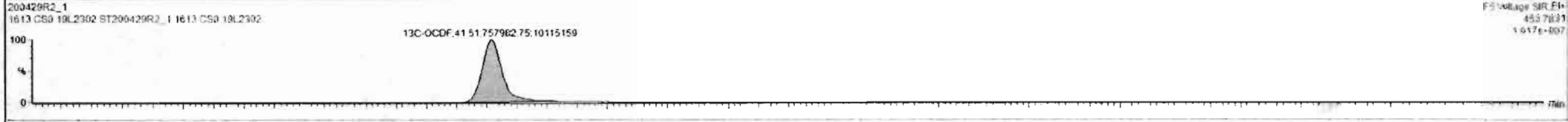
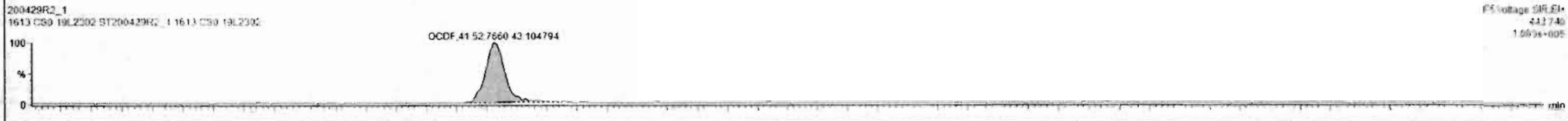
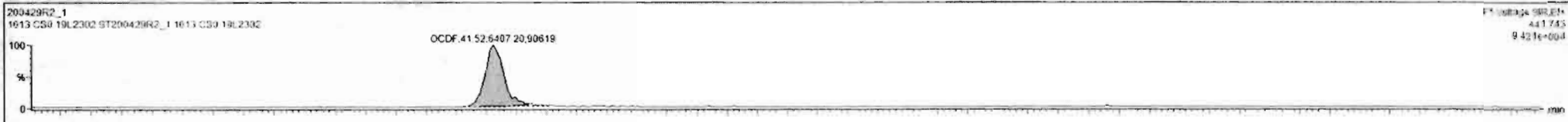
13C-OCDF



DPE5



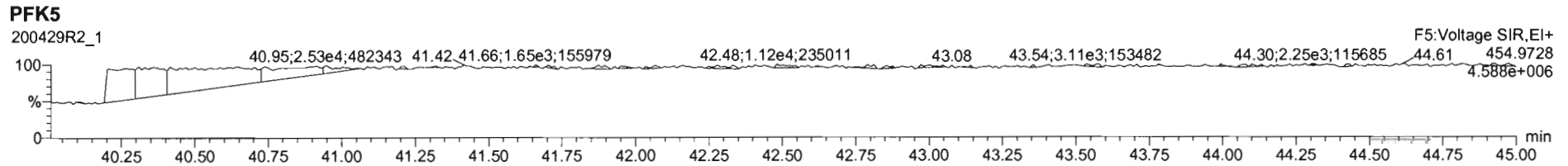
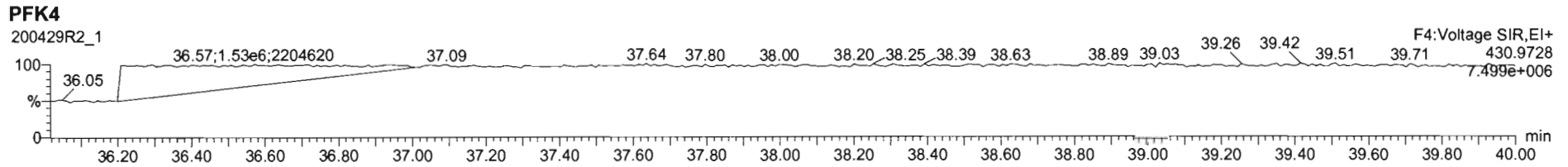
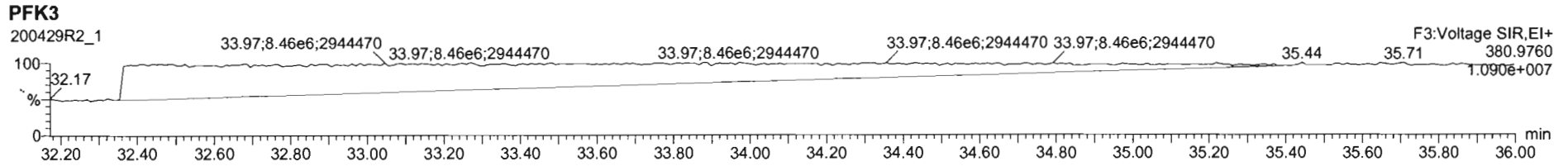
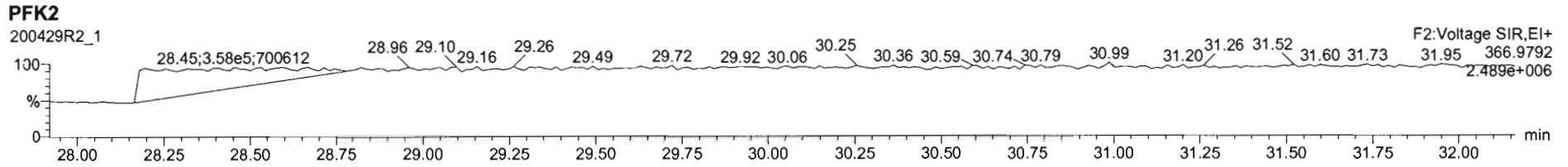
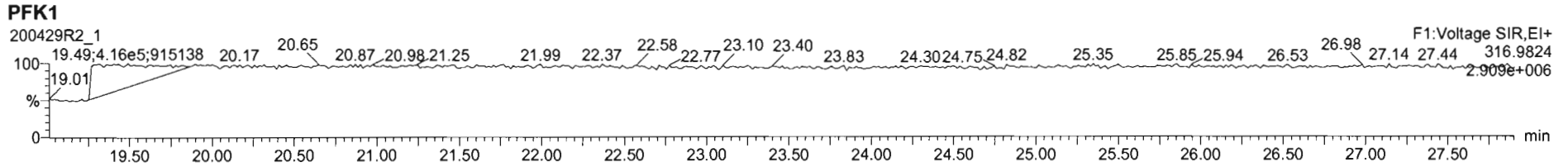
#	Name	RT	RA	Yln	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7032e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	9.9	5.51	0.942	0.0516
3	1,2,3,6,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.40	1.191	NO	1.1900e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.094	NO	7.9201e3	3.1686e5	1.250	-13.5	6.97	0.856	0.0622
7	OCDD	41.35	0.962	NO	1.4111e4	1.4188e6	2.500	-14.2	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.95	0.919	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.00	1.488	NO	2.004e4	1.8427e6	1.250	-8.0	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8818e3	5.9612e5	1.250	-11.4	6.67	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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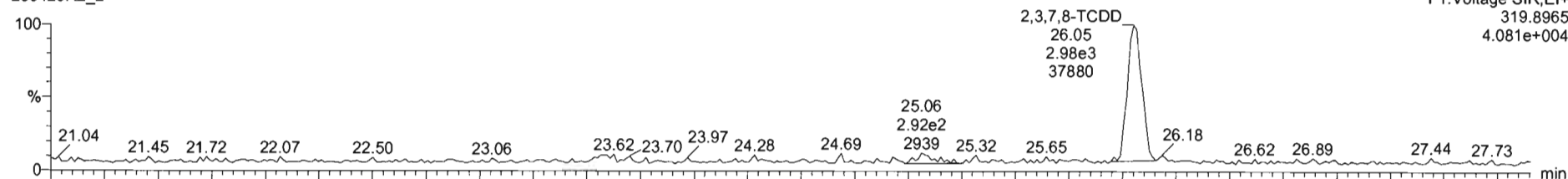
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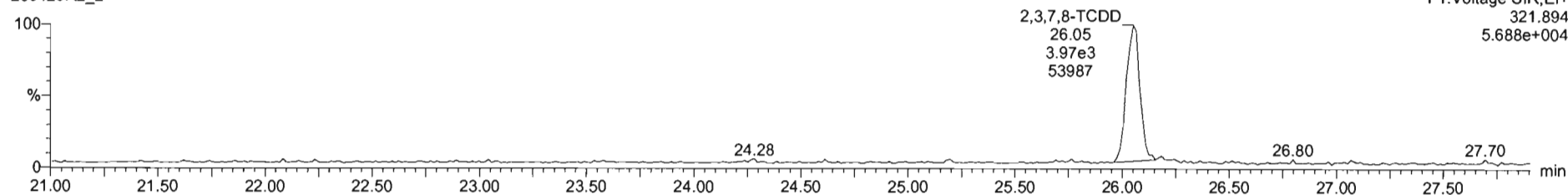
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2,3,7,8-TCDD

200429R2_2

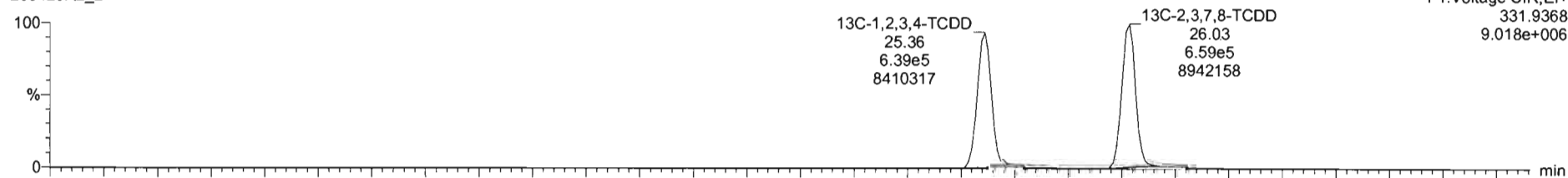


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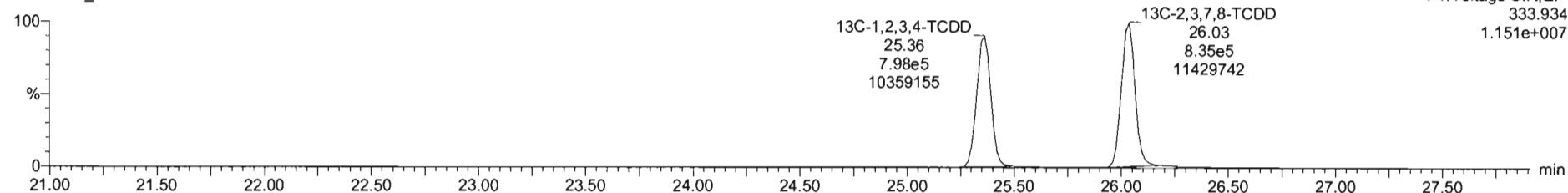


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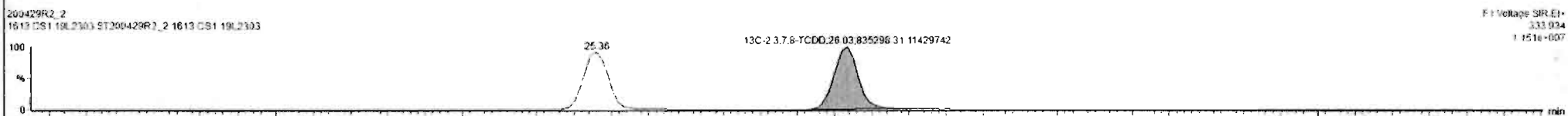
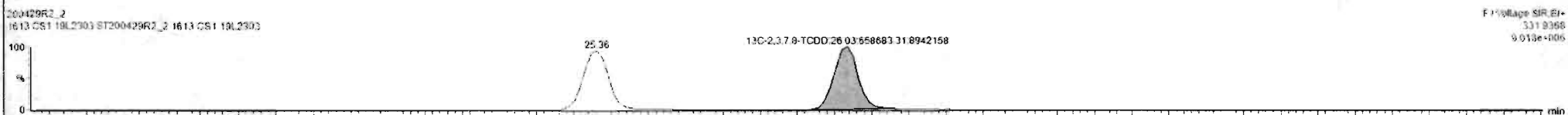
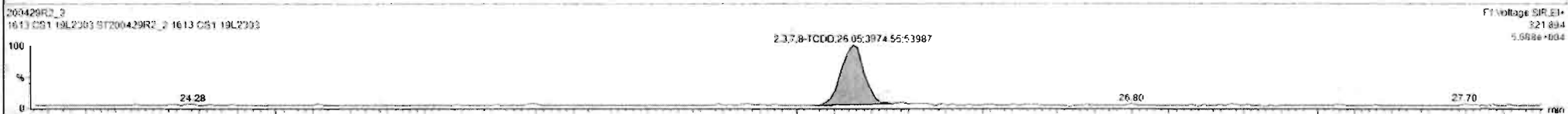
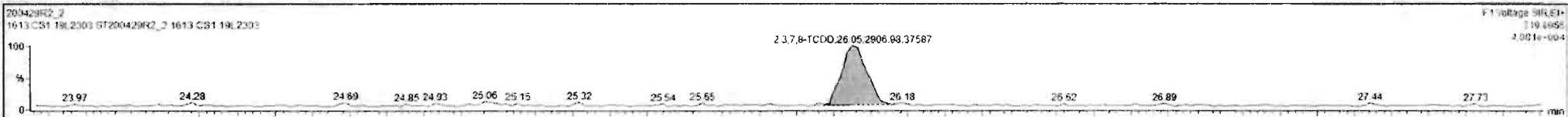
200429R2_2



200429R2_2



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8015e3	1.4946e6	6.500	-2.8	5.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8509e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.9692e5	2.500	-0.2	6.93	0.696	0.0602
7	OCDD	41.25	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2156e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8524e4	1.6515e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.183	NO	2.3827e4	1.0498e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	6.7735e5	2.500	-1.8	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4610e6	5.000	-2.4	7.16	0.802	0.0575



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200429R2_2

CAP NUM

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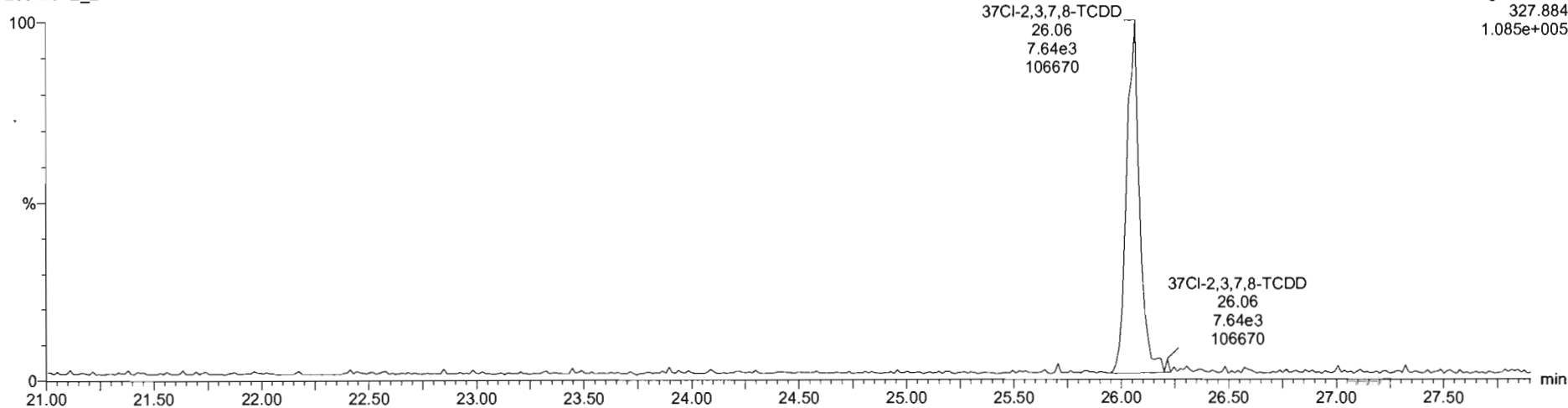
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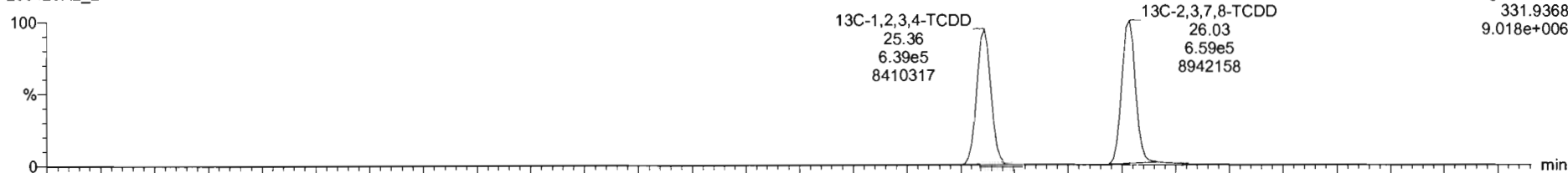
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327.884
1.085e+005

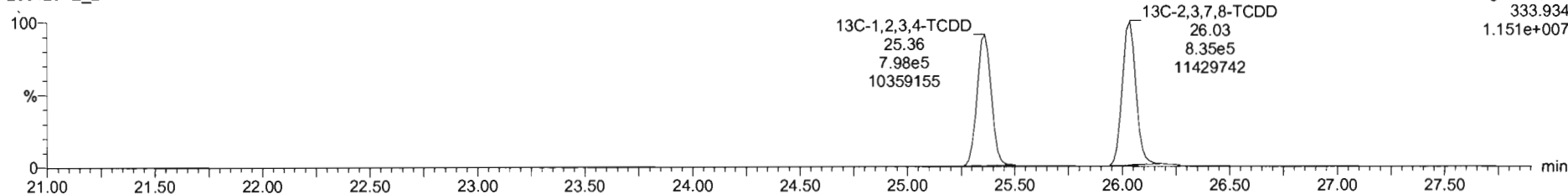
13C-1,2,3,4-TCDD

200429R2_2



F1:Voltage SIR,EI+
331.9368
9.018e+006

200429R2_2



F1:Voltage SIR,EI+
333.934
1.151e+007

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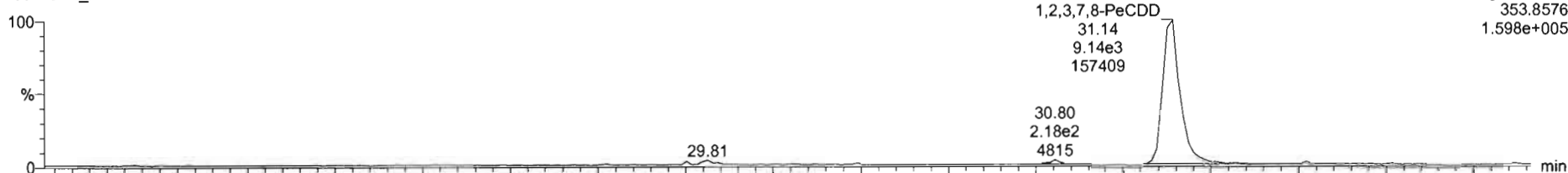
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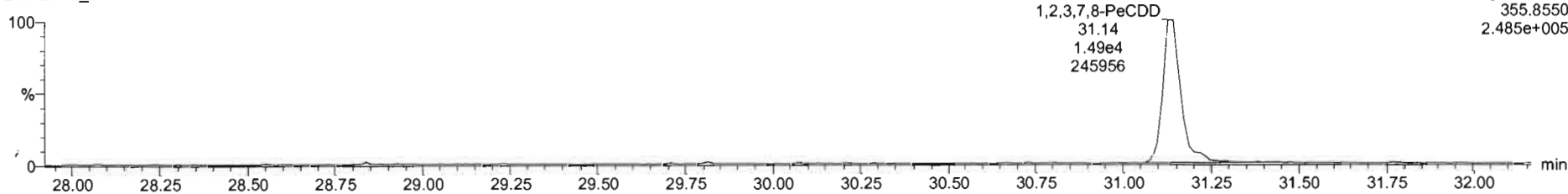
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1,2,3,7,8-PeCDD

200429R2_2

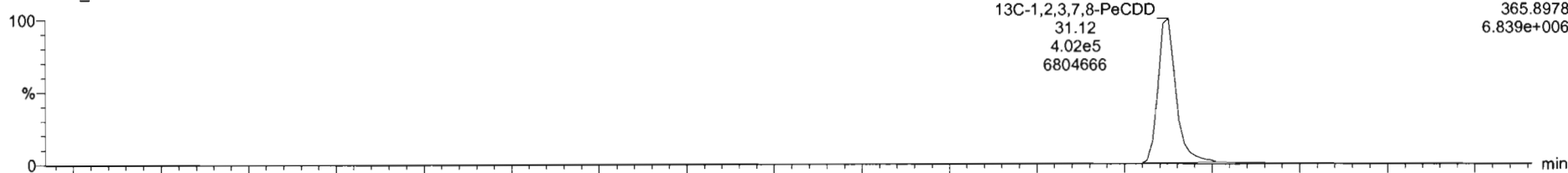


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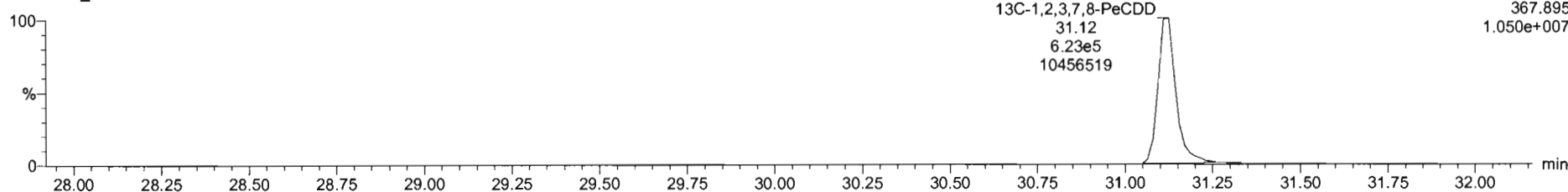


13C-1,2,3,7,8-PeCDD

200429R2_2



200429R2_2



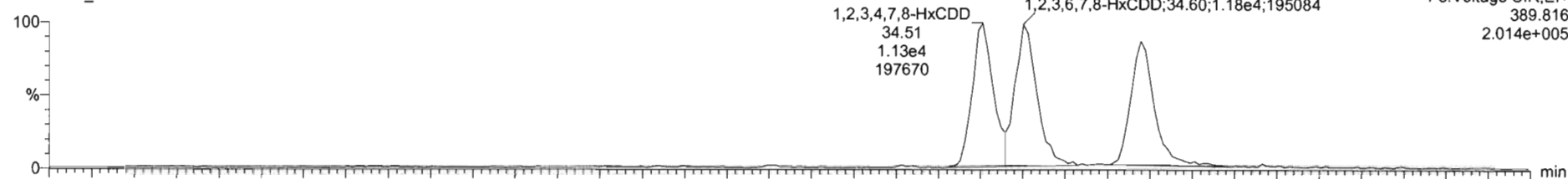
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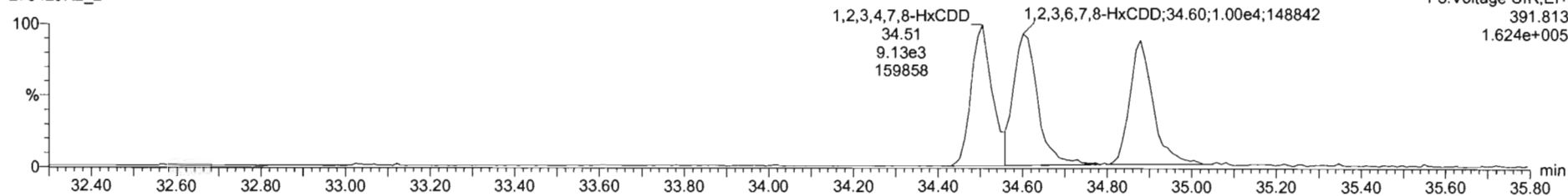
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1,2,3,4,7,8-HxCDD

200429R2_2

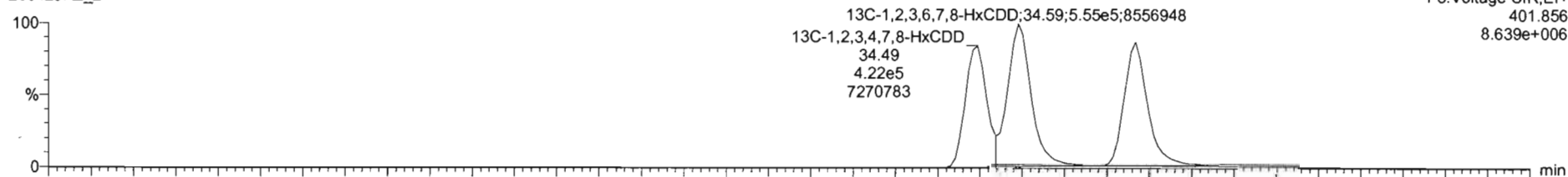


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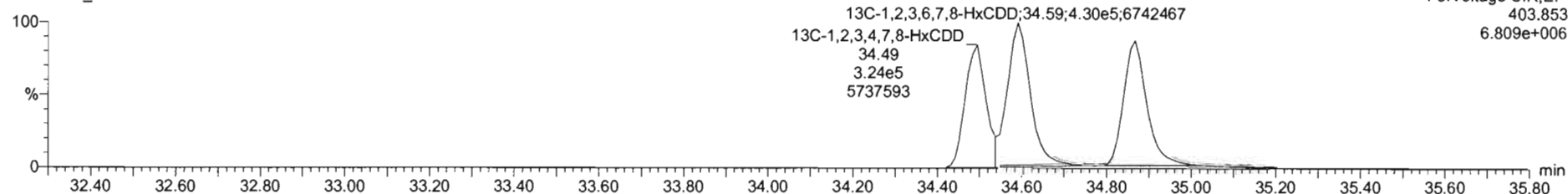


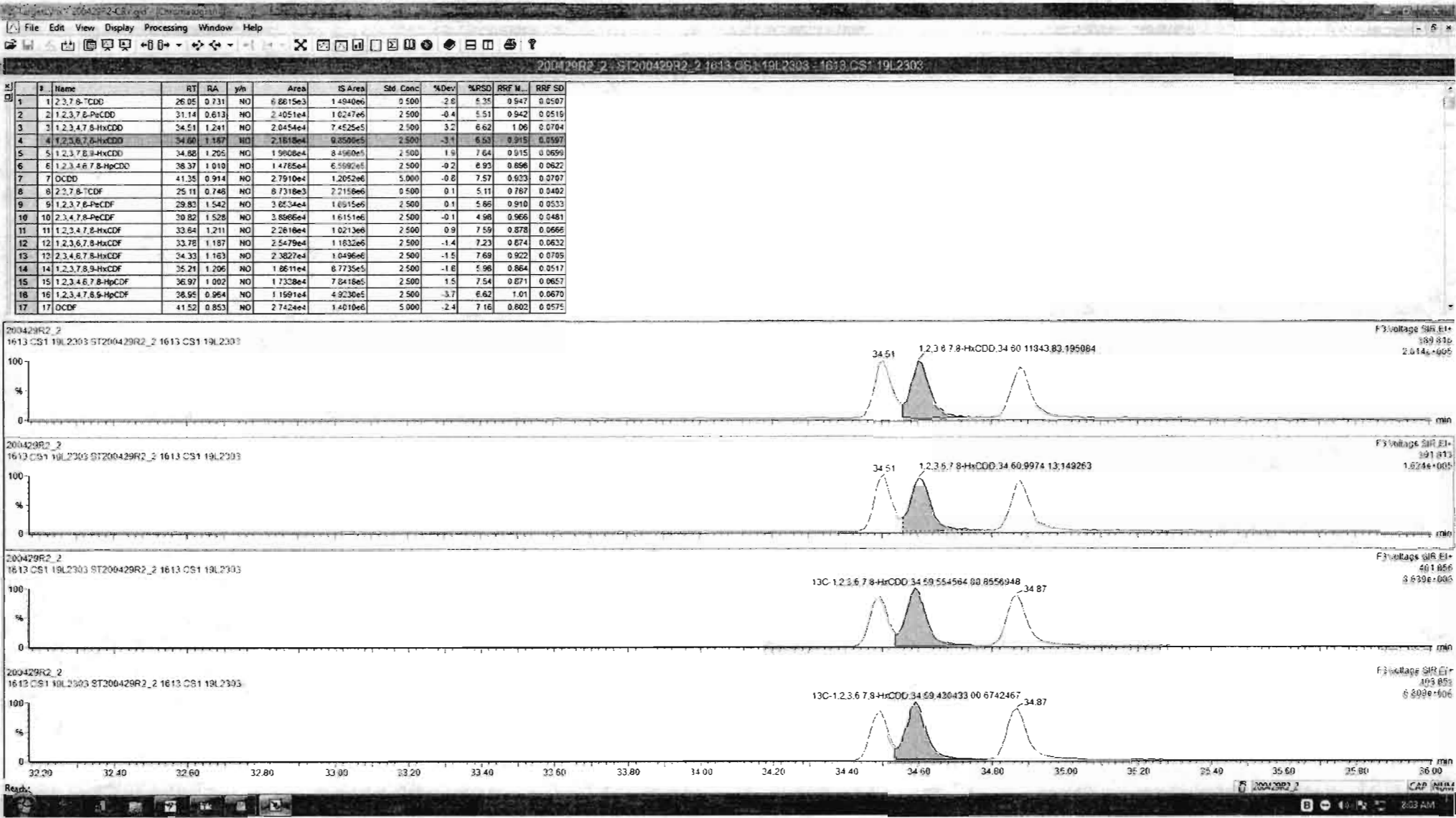
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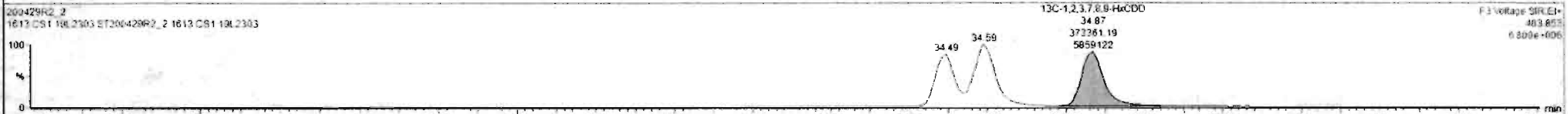
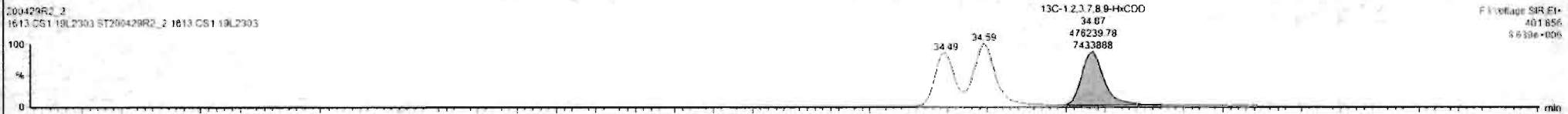


200429R2_2





#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8815e3	1.4840e0	0.500	-2.6	5.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	-0.4	5.51	0.942	0.0510
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.187	NO	2.1610e4	9.9500e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.225	NO	1.9020e4	8.4500e5	2.500	1.9	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5982e5	2.500	-0.2	6.93	0.856	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2180e0	0.500	0.1	5.11	0.787	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.542	NO	3.8524e4	1.6915e6	2.500	0.1	5.86	0.910	0.0523
10	2,3,4,7,8-PeCDF	20.82	1.528	NO	3.8866e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2610e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.674	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	1.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.95	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



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200429R2_2

CAP NUM

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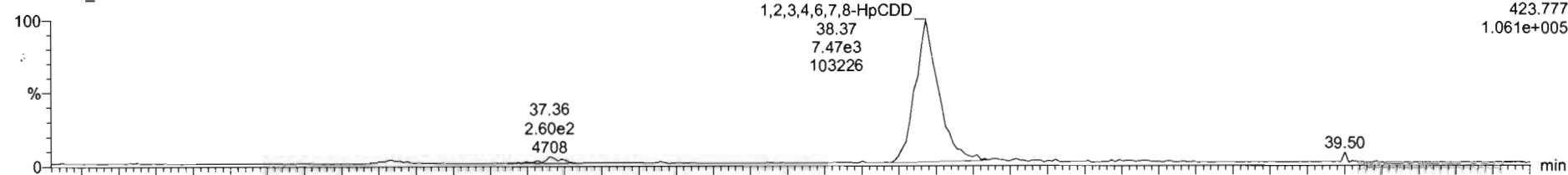
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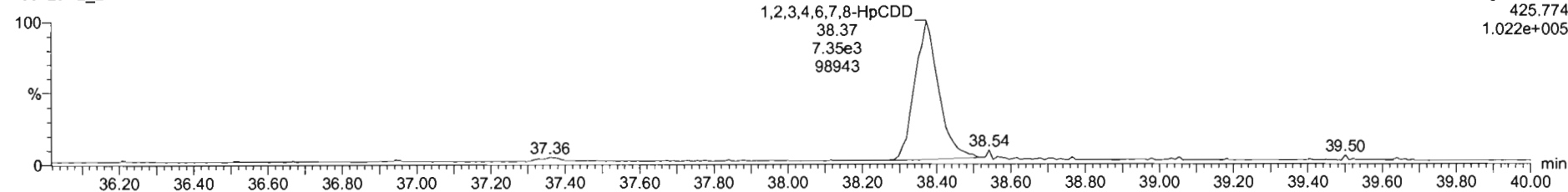
1,2,3,4,6,7,8-HpCDD

200429R2_2



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1.061e+005

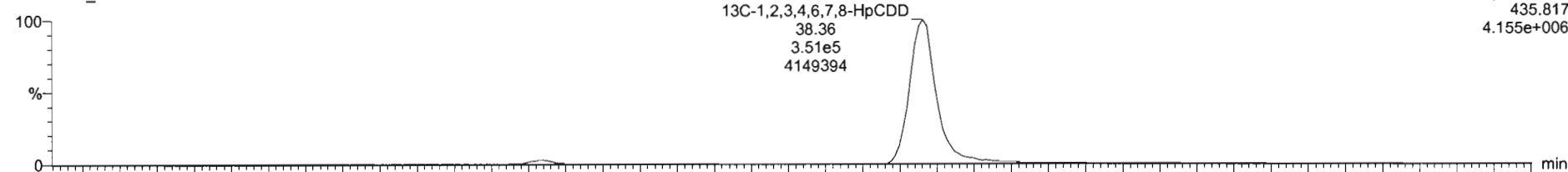
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F4:Voltage SIR,EI+
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1.022e+005

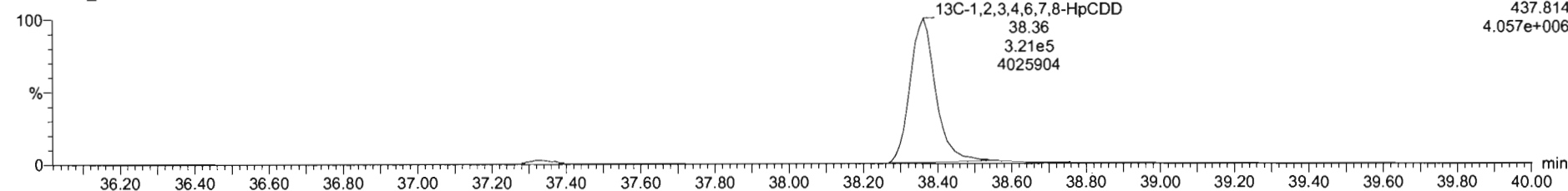
13C-1,2,3,4,6,7,8-HpCDD

200429R2_2



F4:Voltage SIR,EI+
435.817
4.155e+006

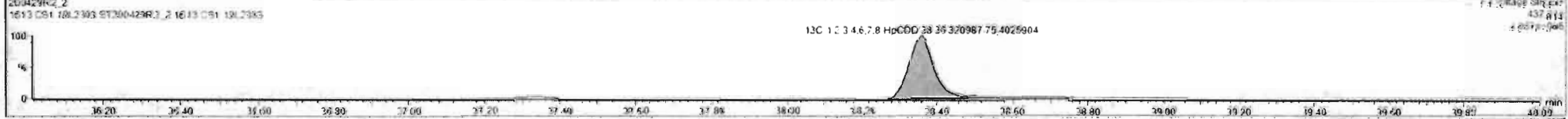
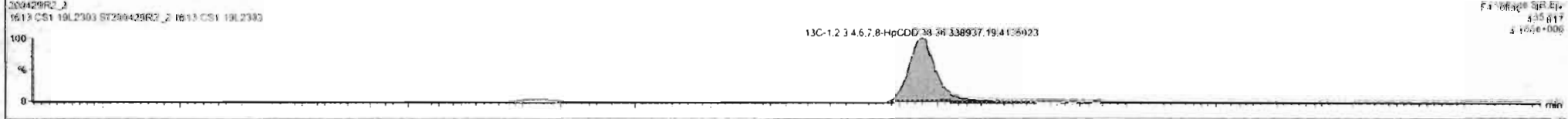
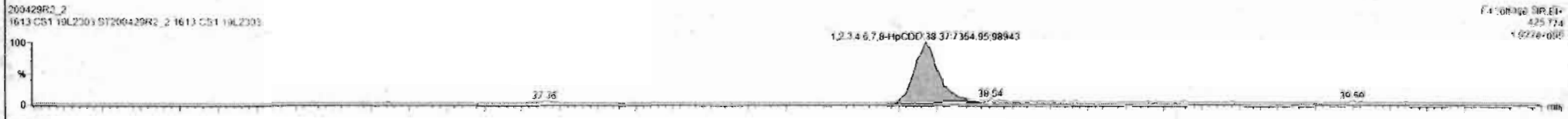
200429R2_2



F4:Voltage SIR,EI+
437.814
4.057e+006

200429R2_2 - ST200429R2_2 1613 CS1 19L2303 - 1613 CS1 19L2303

#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF U	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.6015e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0794
4	1,2,3,6,7,8-HxCDD	34.60	1.197	NO	2.1210e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.205	NO	1.9008e4	8.4960e5	2.500	1.9	7.54	0.915	0.0590
6	1,2,3,4,6,7,8-HpCDD	38.37	1.910	NO	1.4765e4	6.9920e5	2.500	-0.2	6.95	0.898	0.0620
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.933	0.0707
8	1,2,3,7,8-TCDF	25.11	0.748	NO	8.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.80	1.042	NO	3.6534e4	1.0515e6	2.500	0.1	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.528	NO	3.6966e4	1.6151e6	2.500	-0.1	4.98	0.956	0.0481
11	1,2,3,6,7,8-HxCDF	33.64	1.211	NO	2.2910e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3027e4	1.0496e6	2.500	-1.6	7.69	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.6611e4	6.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.007	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0857
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



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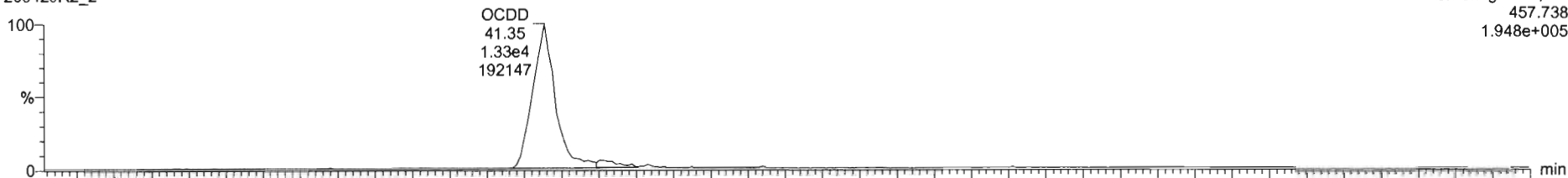
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OCDD

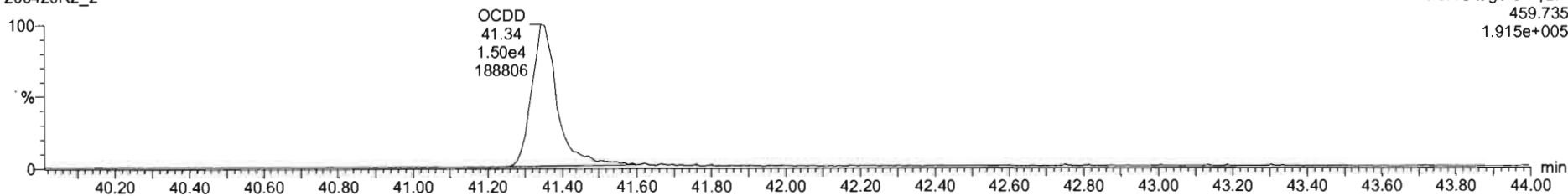
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F5:Voltage SIR,EI+
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1.948e+005



200429R2_2

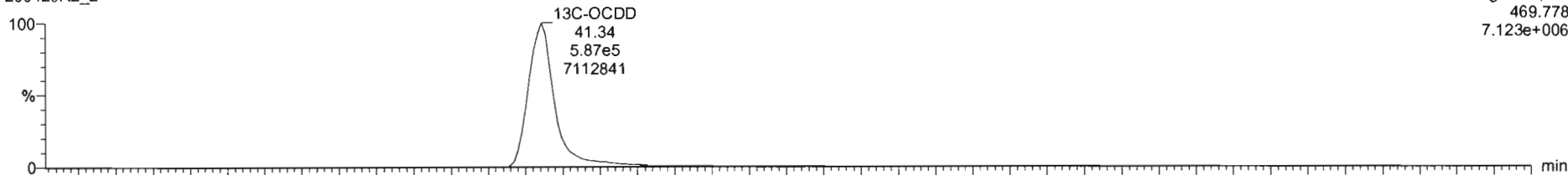
F5:Voltage SIR,EI+
459.735
1.915e+005



13C-OCDD

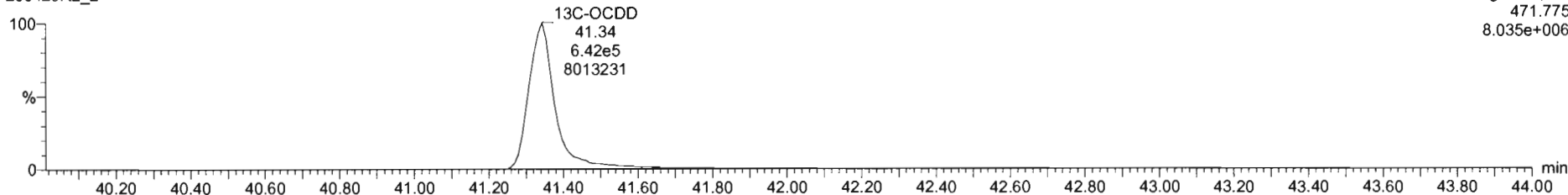
200429R2_2

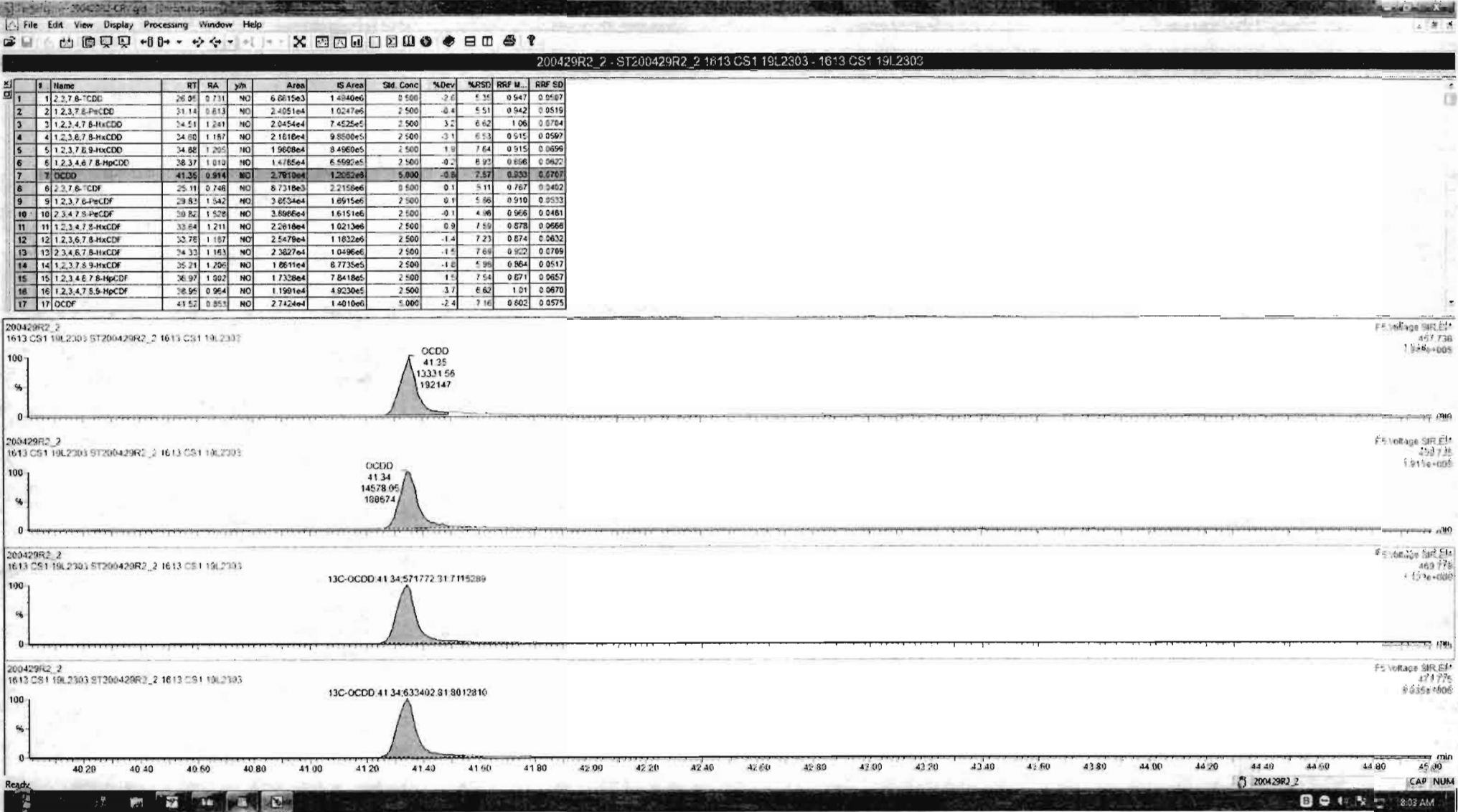
F5:Voltage SIR,EI+
469.778
7.123e+006



200429R2_2

F5:Voltage SIR,EI+
471.775
8.035e+006





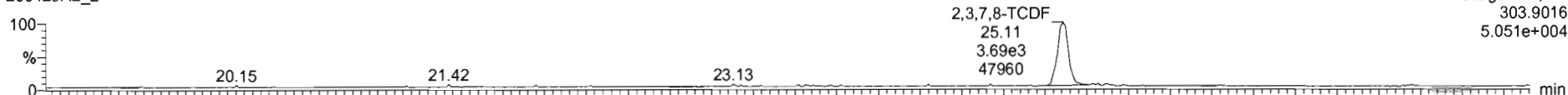
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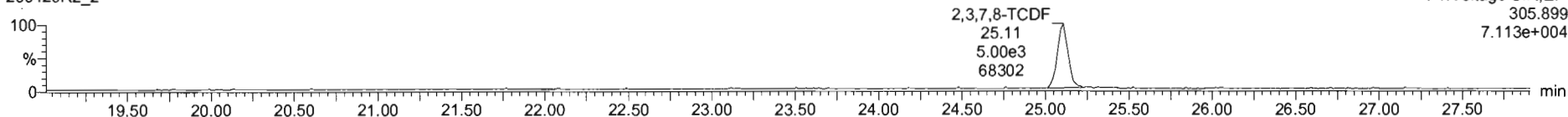
2,3,7,8-TCDF

200429R2_2



F1:Voltage SIR,EI+
303.9016
5.051e+004

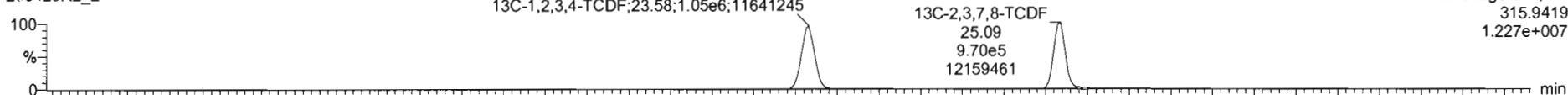
200429R2_2



F1:Voltage SIR,EI+
305.899
7.113e+004

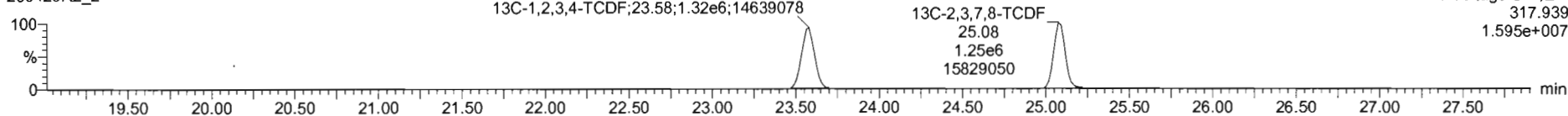
13C-2,3,7,8-TCDF

200429R2_2



F1:Voltage SIR,EI+
315.9419
1.227e+007

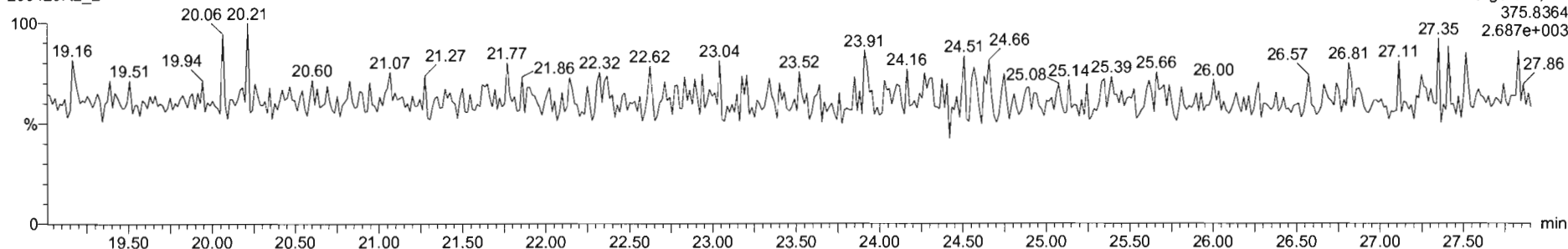
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F1:Voltage SIR,EI+
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1.595e+007

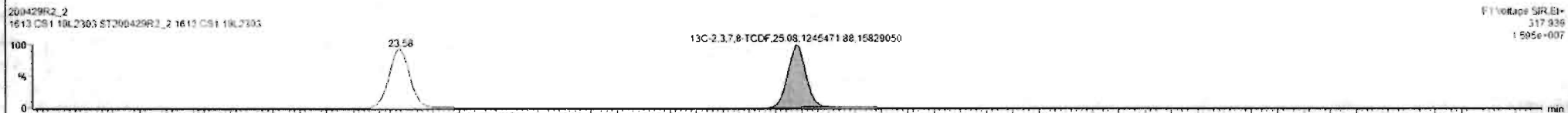
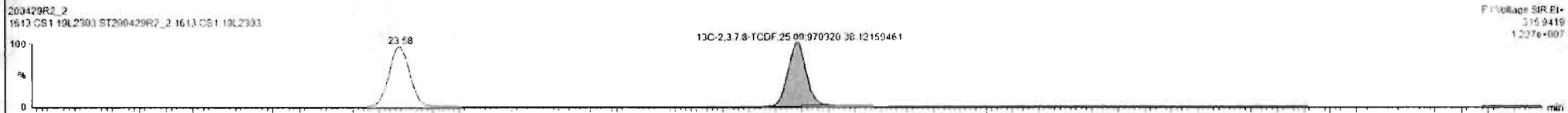
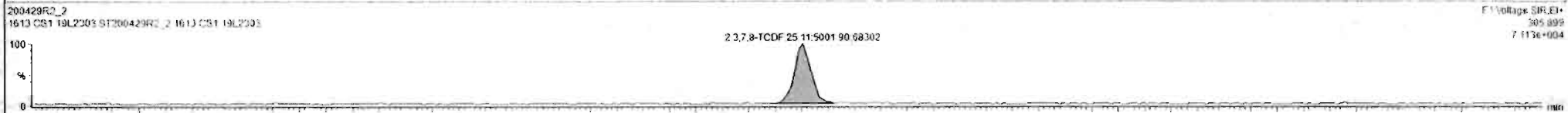
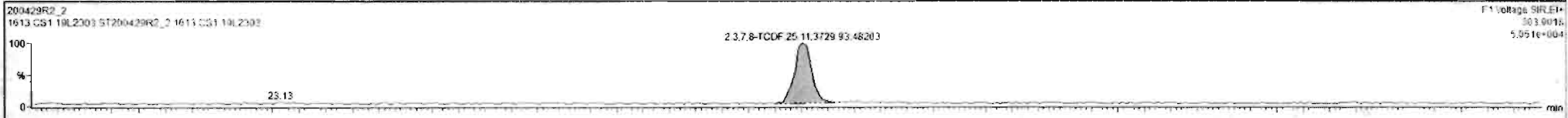
DPE1

200429R2_2



F1:Voltage SIR,EI+
375.8364
2.687e+003

#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1 2,3,7,8-TCDD	25.05	0.731	NO	6.6615e3	1.4940e6	0.500	-2.6	5.35	0.947	0.0507
2	2 1,2,3,7,8-PeCDD	31.14	0.813	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	3 1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	4 1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.5006e5	2.500	-3.1	6.53	0.915	0.0597
5	5 1,2,3,7,8,9-HxCDD	34.98	1.205	NO	1.9808e4	8.4990e5	2.500	1.9	7.64	0.915	0.0699
6	6 1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.5990e5	2.500	-0.2	6.37	0.856	0.0632
7	7 OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.533	0.0707
8	8 2,3,7,8-TCDF	25.11	0.746	NO	8.7518e3	2.2158e6	0.500	0.1	5.11	0.787	0.0462
9	9 1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6554e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	10 2,3,4,7,8-PeCDF	30.82	1.628	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	11 1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2610e4	1.0213e6	2.500	0.9	7.19	0.878	0.0666
12	12 1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1622e6	2.500	-1.4	7.23	0.874	0.0632
13	13 2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	14 1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	15 1,2,3,4,6,7,8-HpCDF	38.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	16 1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	17 OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



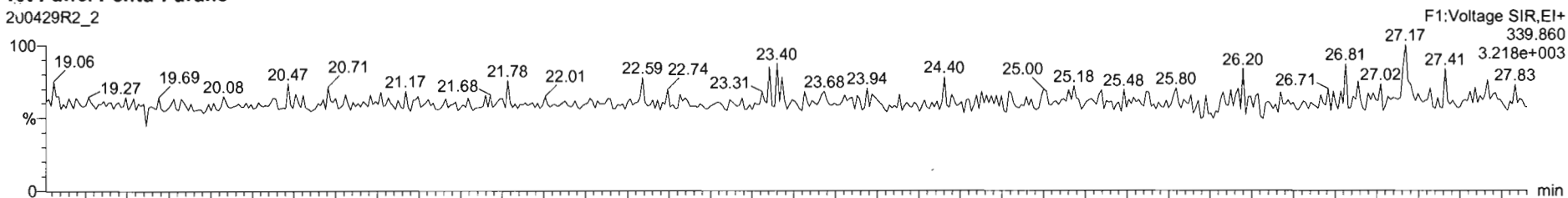
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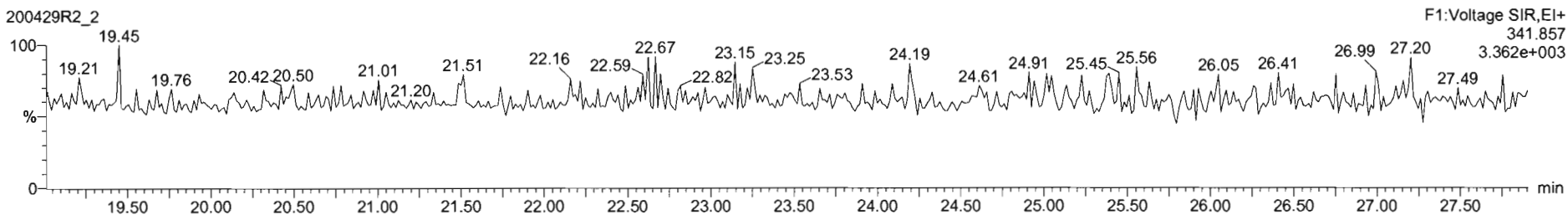
Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1st Func. Penta-Furans

2U0429R2_2

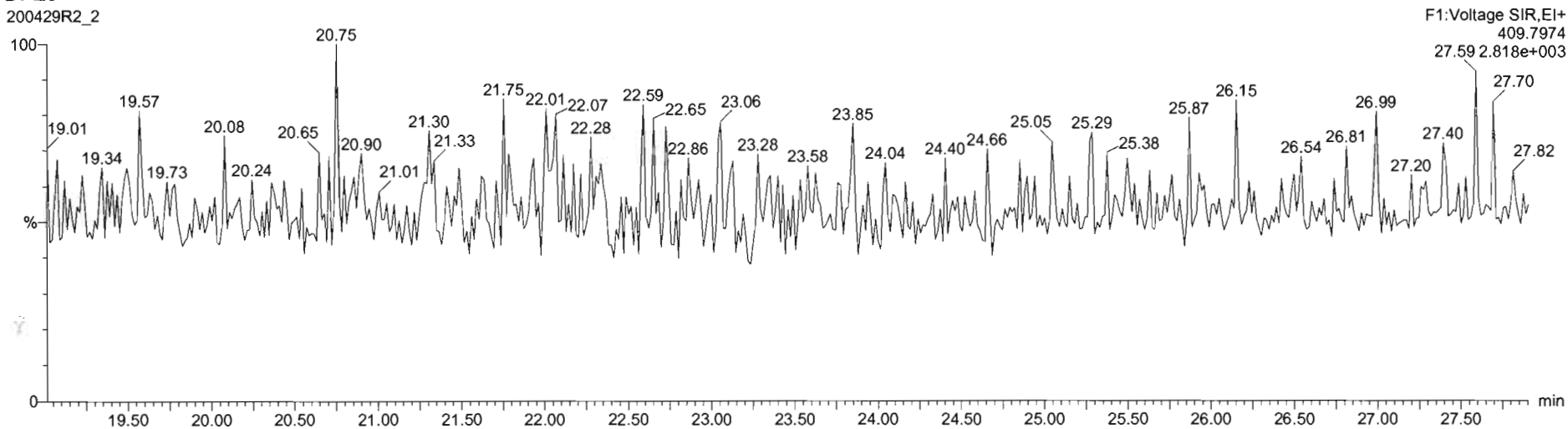


200429R2_2



DPE6

200429R2_2



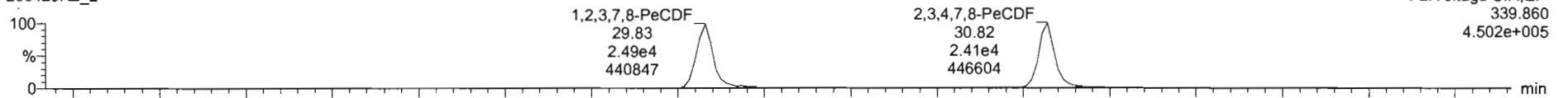
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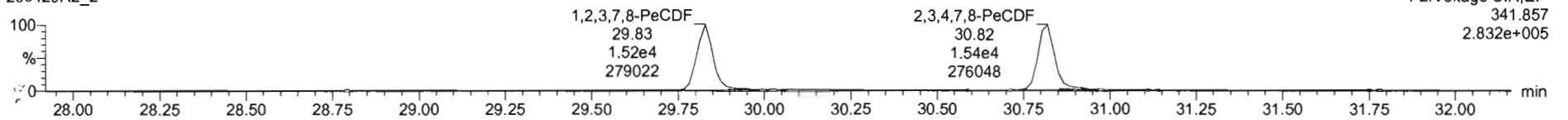
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1,2,3,7,8-PeCDF

200429R2_2

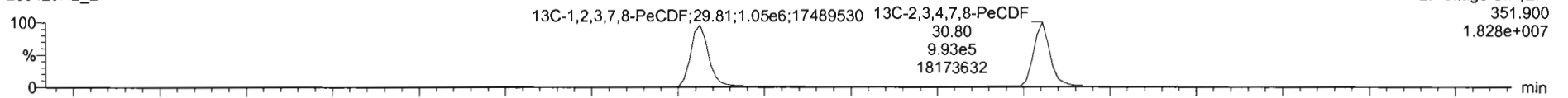


200429R2_2

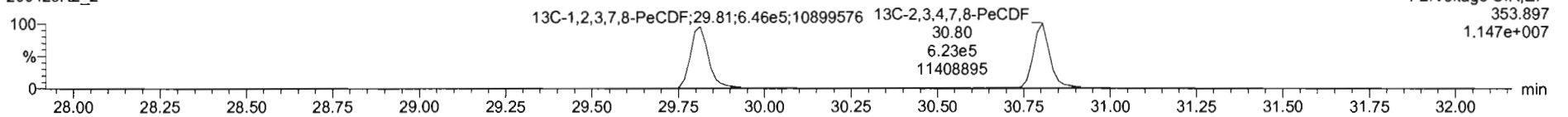


13C-1,2,3,7,8-PeCDF

200429R2_2

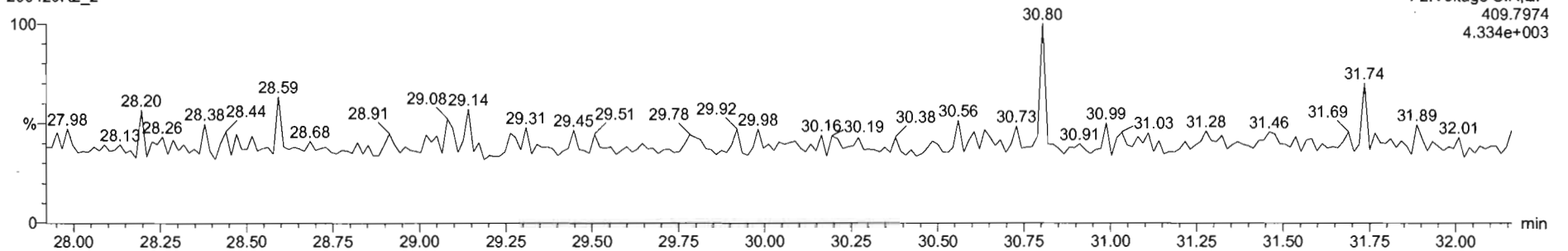


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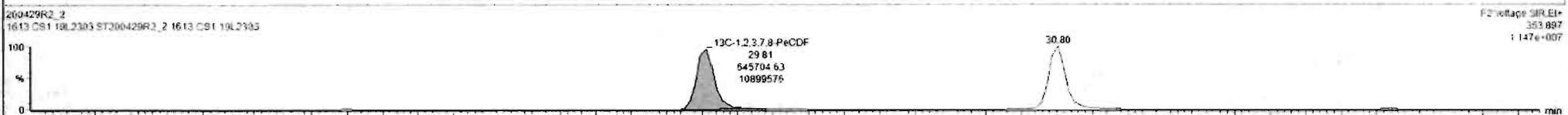
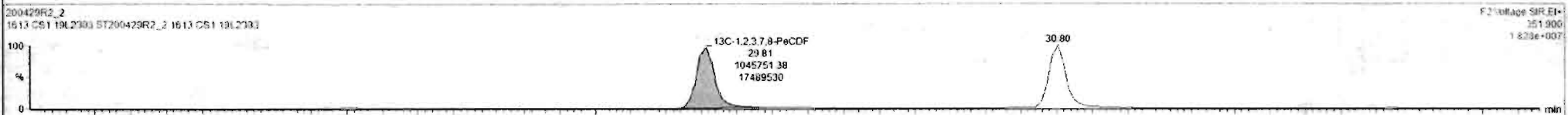
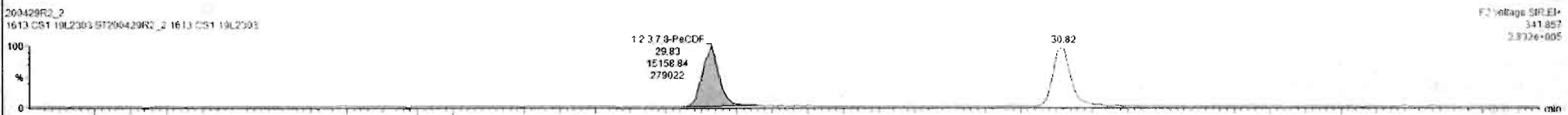
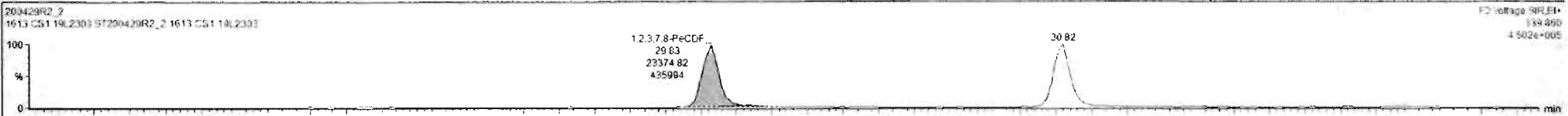


DPE2

200429R2_2



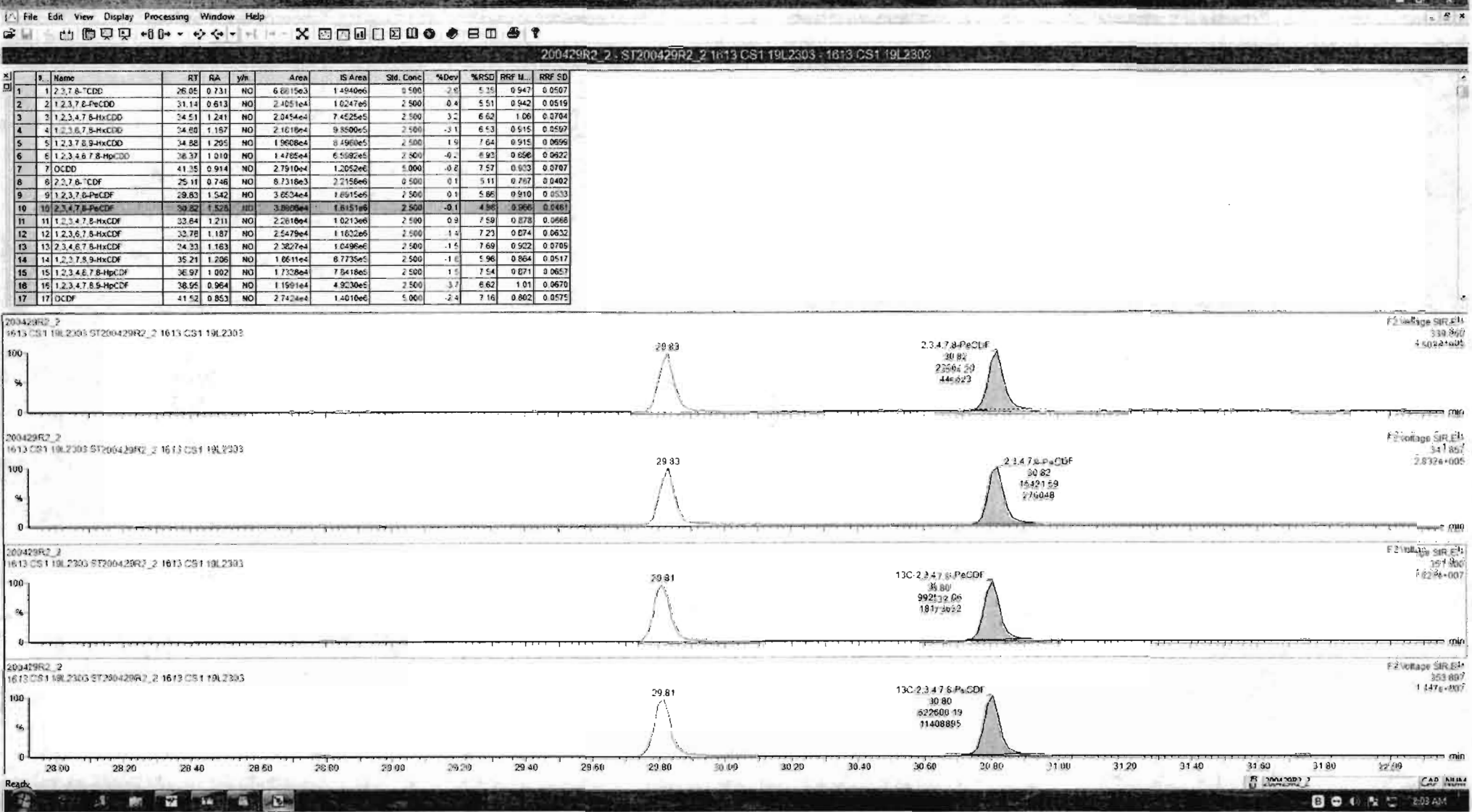
#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	28.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.6	5.37	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,7,8-HxCDD	34.80	1.187	NO	2.1810e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.295	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.856	0.0620
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.748	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6534e4	1.6815e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.028	NO	3.8066e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	32.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.183	NO	2.5827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	6.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.653	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.662	0.0575



Custom Reporting: Select reports to generate

200429R2_2 CAP NUM

8:03 AM

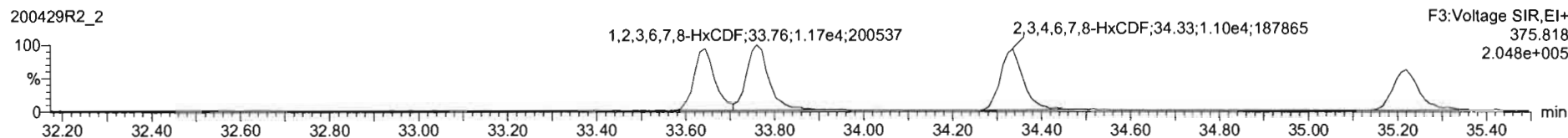
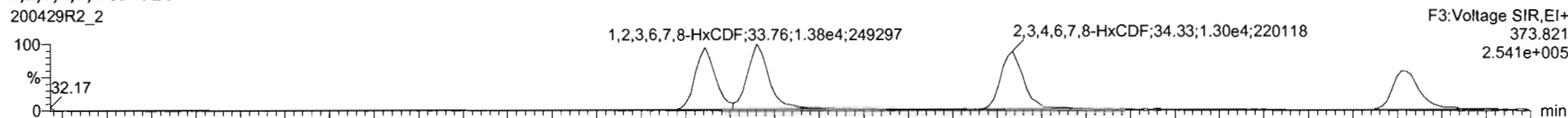


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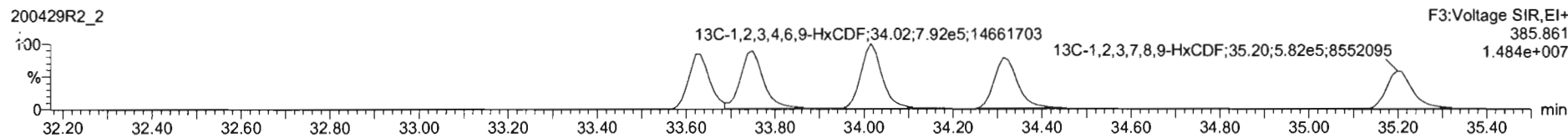
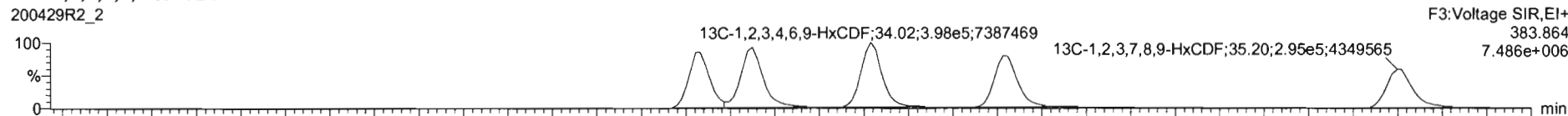
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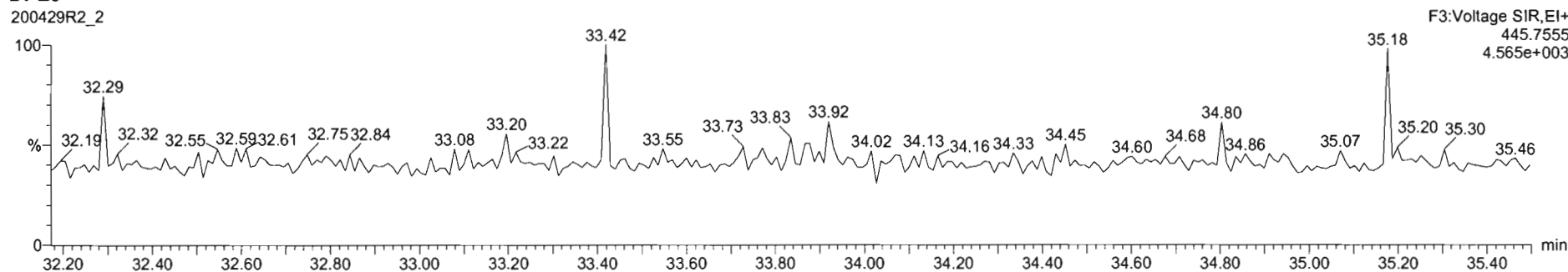
1,2,3,4,7,8-HxCDF



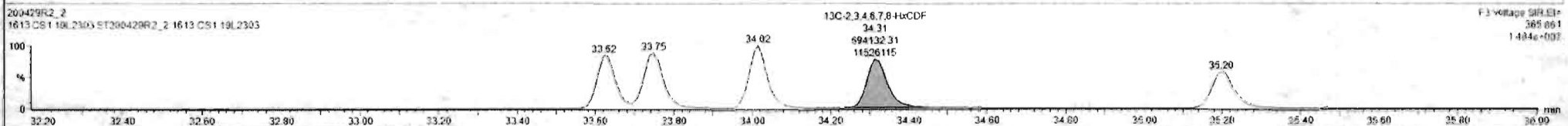
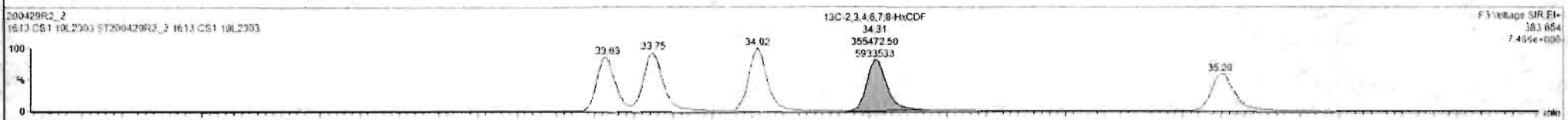
13C-1,2,3,4,7,8-HxCDF



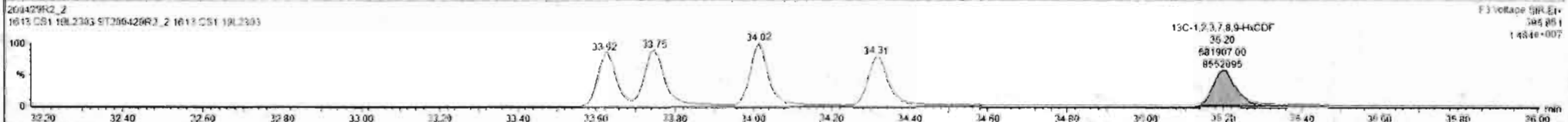
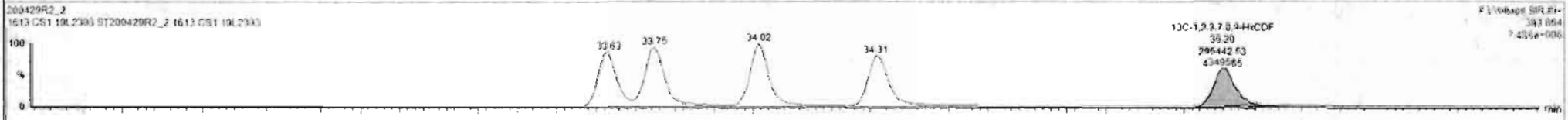
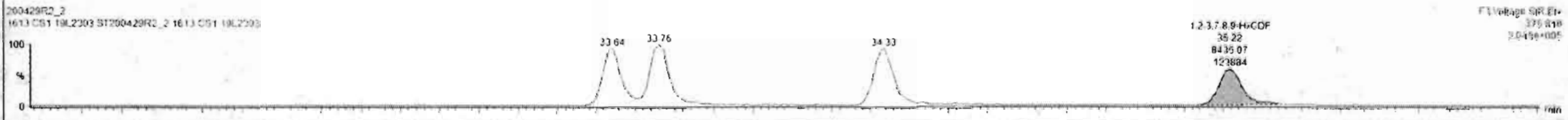
DPE3



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8000e5	2.500	-2.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.80	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.856	0.0622
7	OCDF	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	6.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0403
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6934e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2810e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0490e6	2.500	-1.5	7.69	0.822	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.9611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4540e6	0.500	-2.0	6.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.9454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.00	1.157	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.205	NO	1.9608e4	3.4560e5	2.500	1.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.896	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.0	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.748	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.757	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8534e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	29.82	1.528	NO	3.8666e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.0	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1032e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8071e4	8.7735e5	2.500	-1.0	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1991e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



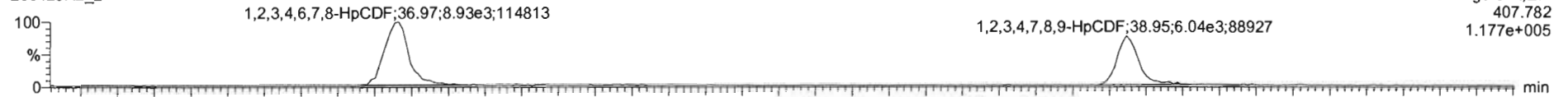
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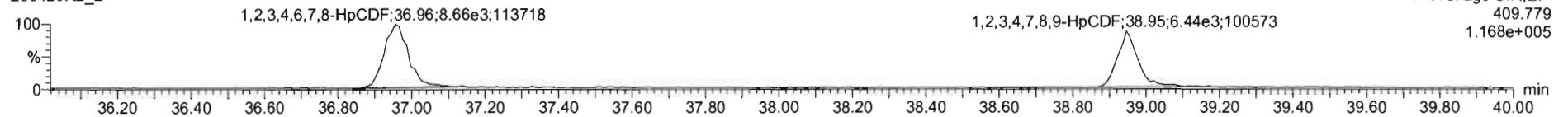
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200429R2_2

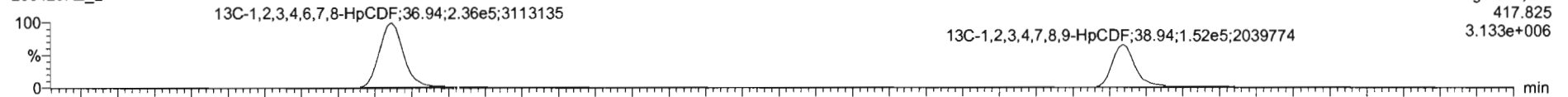


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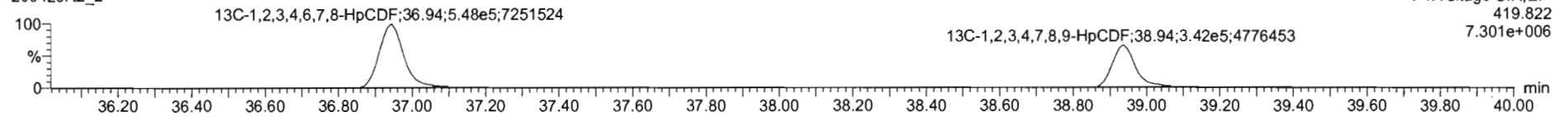


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200429R2_2

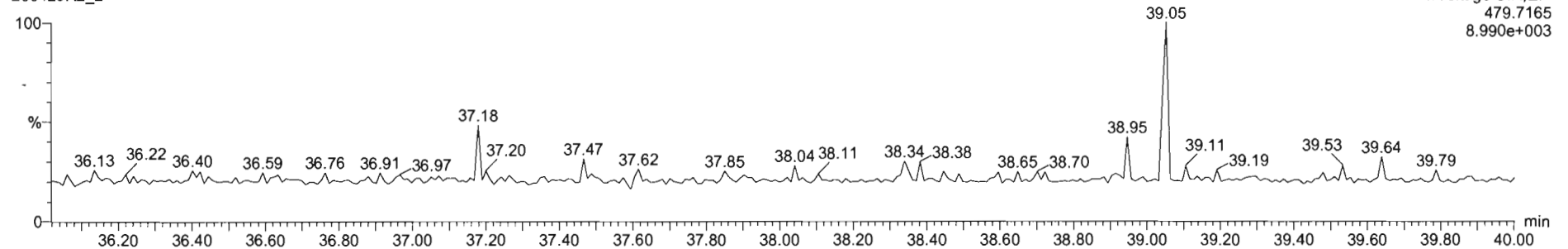


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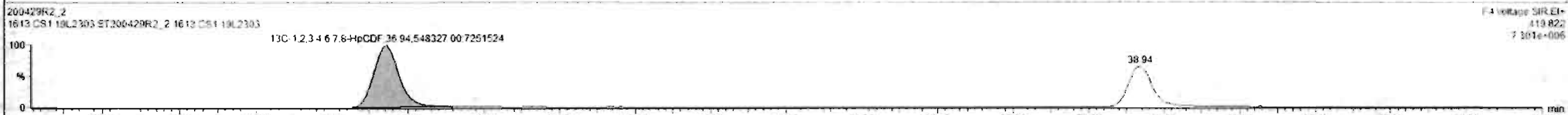
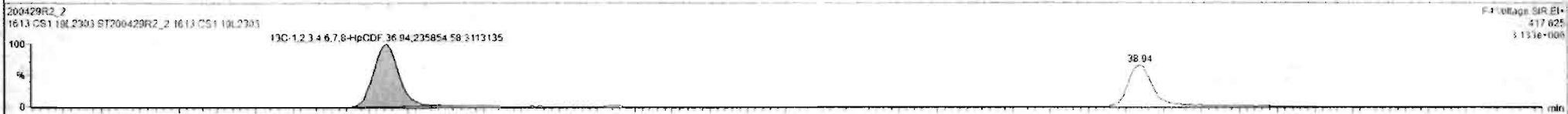
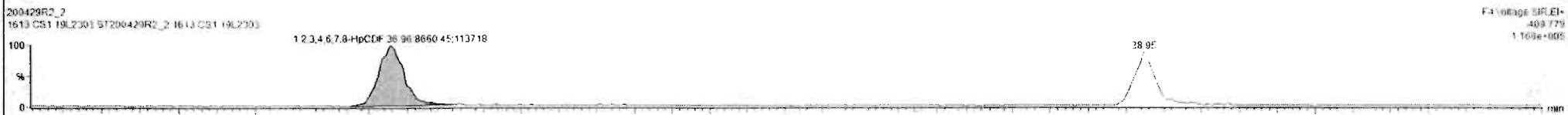


DPE4

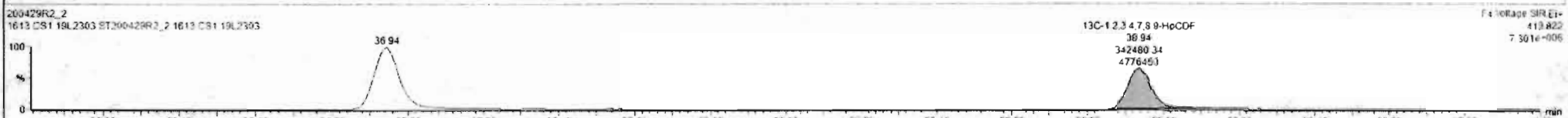
200429R2_2



#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	MRSD	RRF U	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.8454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.157	NO	2.1618e4	9.8600e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.92	1.205	NO	1.5608e4	8.4960e5	2.500	1.5	7.64	0.915	0.0698
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5992e5	2.500	-0.2	6.93	0.858	0.0622
7	OCDD	41.35	0.954	NO	2.7910e4	1.2052e6	0.000	-0.8	7.57	0.933	0.0707
8	1,2,3,7,8-TCDF	25.11	0.746	NO	8.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.0134e4	1.0915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.628	NO	3.3686e4	1.6151e6	2.500	-0.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1822e6	2.500	-1.4	7.21	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.022	NO	1.7138e4	7.8412e5	2.500	1.5	7.54	0.871	0.0552
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1591e4	4.9230e5	2.500	3.7	6.82	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.060	-2.4	7.16	0.862	0.0575



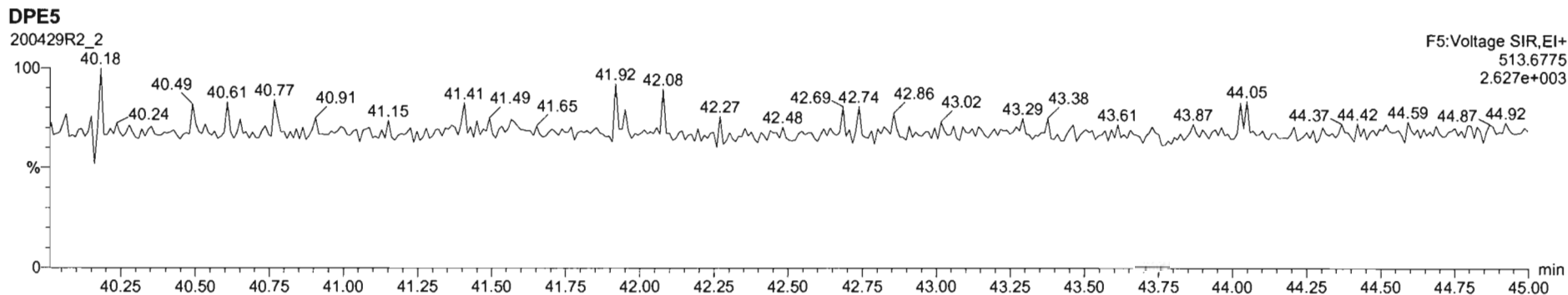
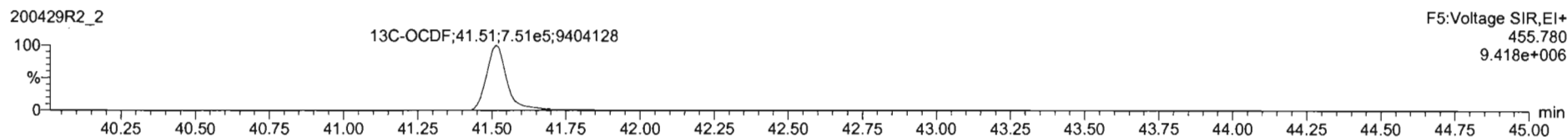
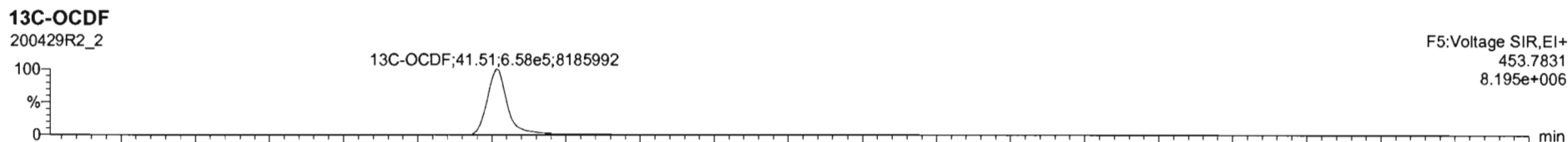
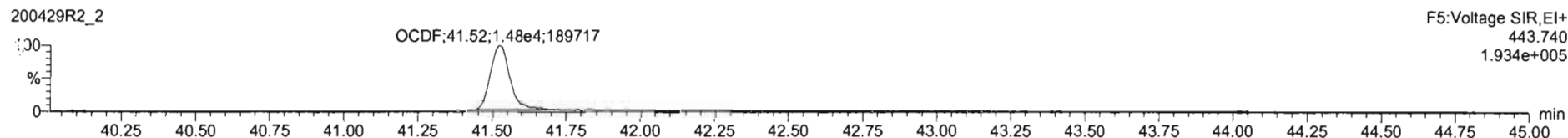
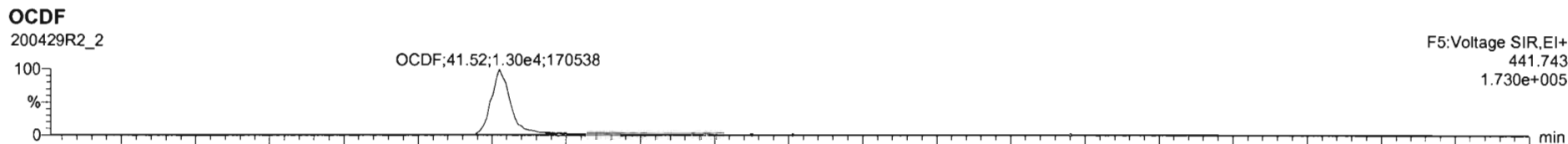
#	Name	RT	RA	yth	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.731	NO	6.8615e3	1.4940e6	0.500	-2.8	5.35	0.947	0.0107
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.42	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.89	1.187	NO	2.1818e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.295	NO	1.9688e4	3.4960e5	2.500	1.6	7.84	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5990e5	2.500	-0.2	6.93	0.658	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.933	0.0707
8	2,3,7,8-TCDF	29.11	0.748	NO	8.7318e3	2.2158e6	0.500	0.1	5.11	0.757	0.0462
9	1,2,3,7,8-PeCDF	29.43	1.542	NO	3.6534e4	1.6915e6	2.500	0.1	5.62	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8986e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2818e4	1.0213e6	2.500	0.9	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.6418e5	2.500	1.5	7.54	0.871	0.0617
16	1,2,3,4,7,8,9-HpCDF	38.95	0.984	NO	1.1991e4	4.9238e5	2.500	-3.7	6.82	1.01	0.0679
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.662	0.0575



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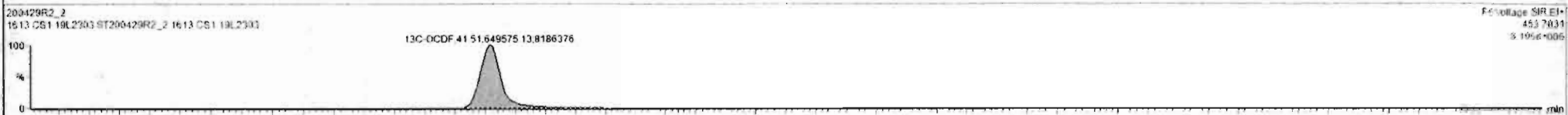
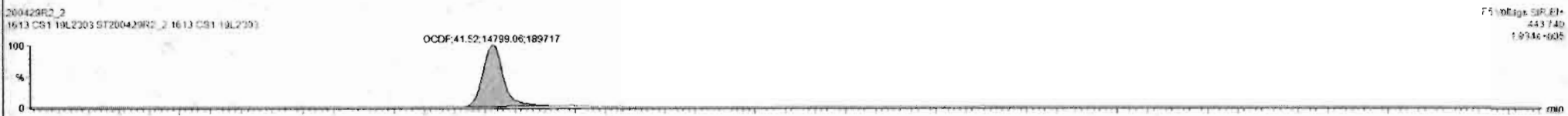
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Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



200429R2_2 - ST200429R2_2 - 1613 CS1 19L2303 - 1613 CS1 19L2303

#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.197	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.696	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.633	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7310e3	2.2156e6	0.500	0.1	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8754e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.82	1.528	NO	3.8996e4	1.6151e6	2.500	-0.1	4.95	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.197	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.163	NO	2.3227e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8611e4	8.7735e5	2.500	-1.6	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.55	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	8.62	1.01	0.0670
17	OCDF	41.52	0.883	NO	2.7424e4	1.4010e6	5.000	-2.4	7.18	0.802	0.0573

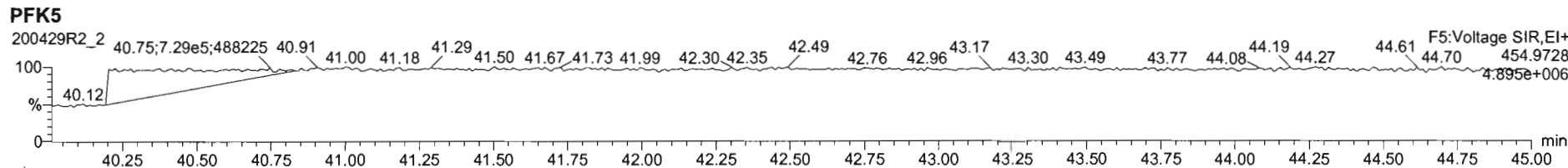
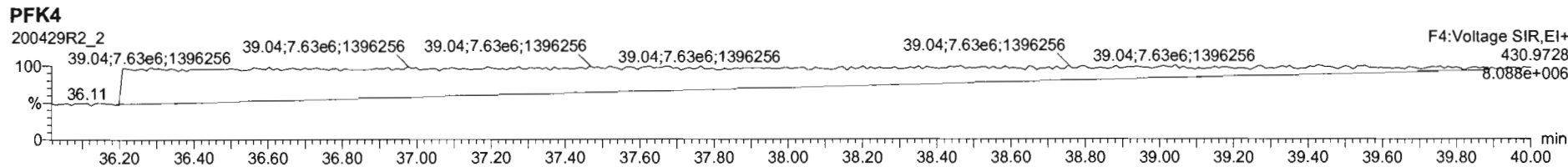
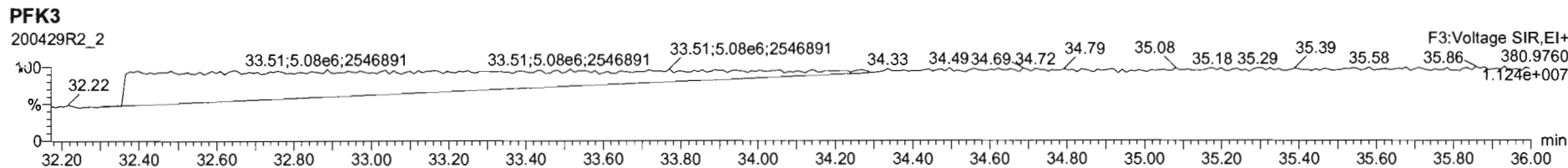
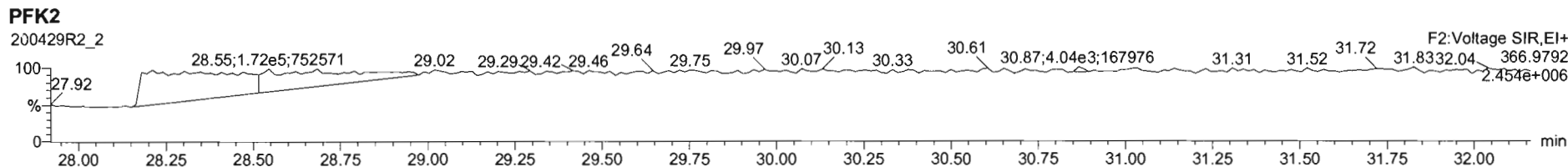
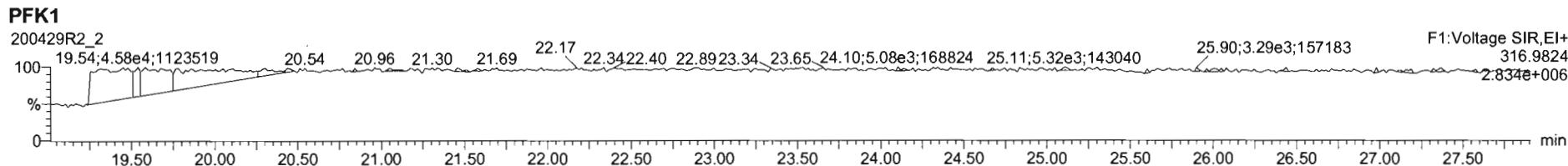


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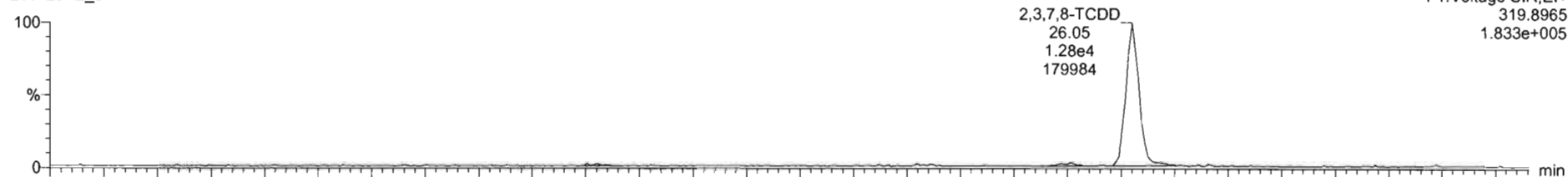
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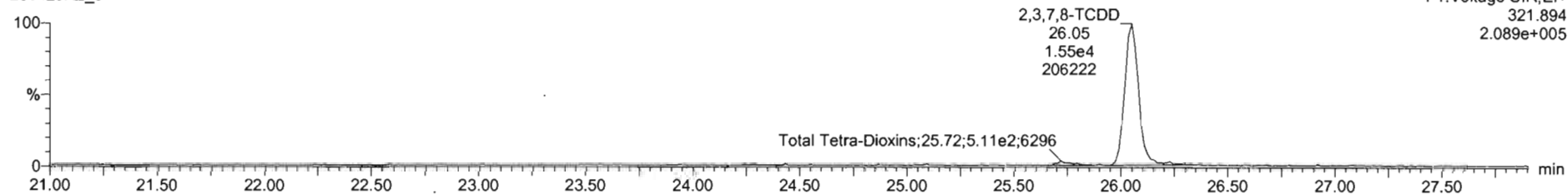
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2,3,7,8-TCDD

200429R2_3

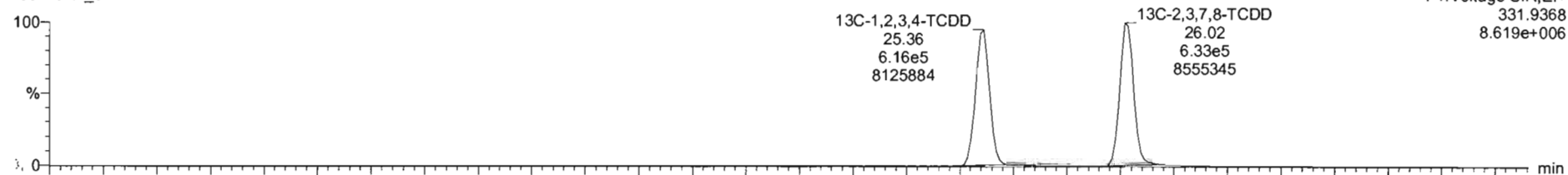


200429R2_3

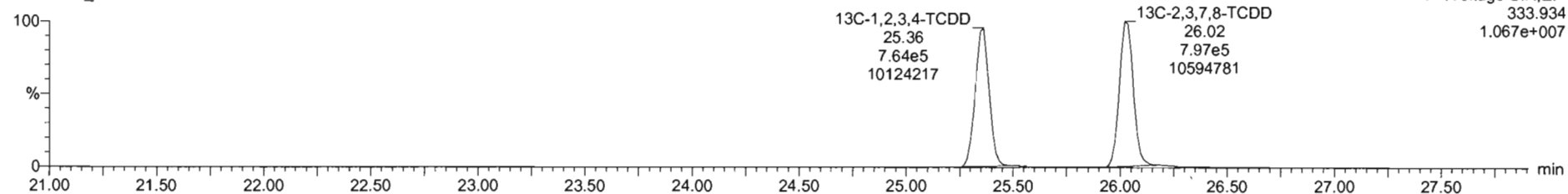


13C-2,3,7,8-TCDD

200429R2_3

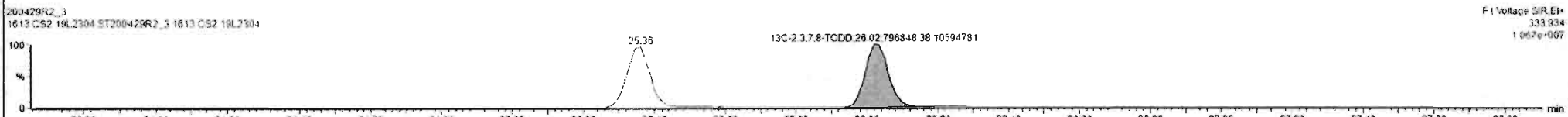
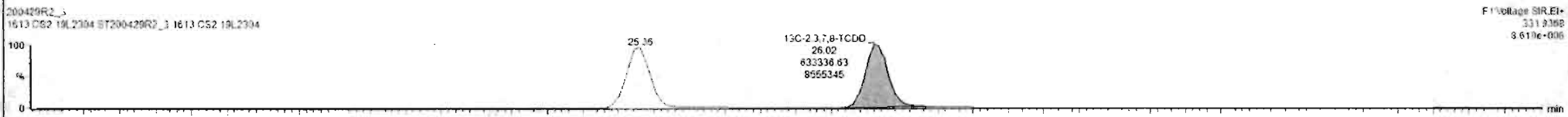
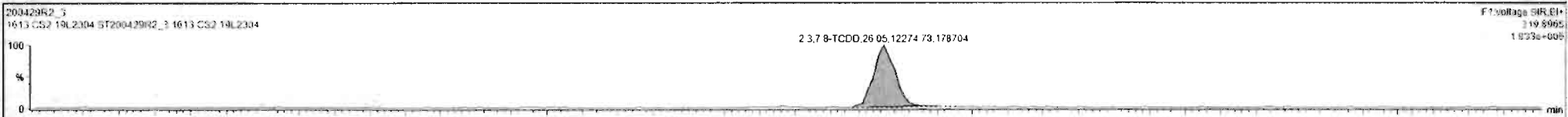


200429R2_3



200429R2_3 - ST200429R2_3 1613 CS2 19L2304 1613 CS2 19L2304

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1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.900	2.1	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	24.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.49	1.246	NO	8.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	24.80	1.244	NO	8.1064e4	8.0356e5	10.000	6.3	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.36	1.081	NO	5.9094e4	6.3852e5	10.000	3.1	8.93	0.856	0.0632
7	OCDD	41.24	0.883	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.8671e6	2.000	4.1	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.567	NO	1.5997e5	1.6425e6	10.000	7.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.6556e6	10.000	6.4	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7026e4	8.5676e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.95	0.958	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,8,9-HpCDF	38.95	1.014	NO	4.9417e4	4.7128e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.6707e5	1.2711e6	20.000	5.0	7.16	0.802	0.0575



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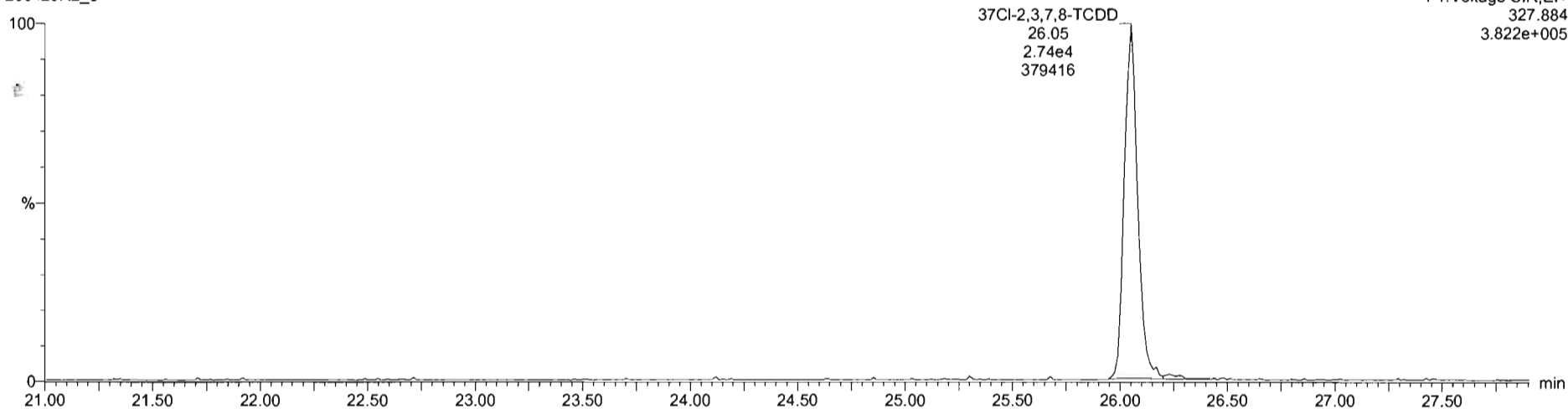
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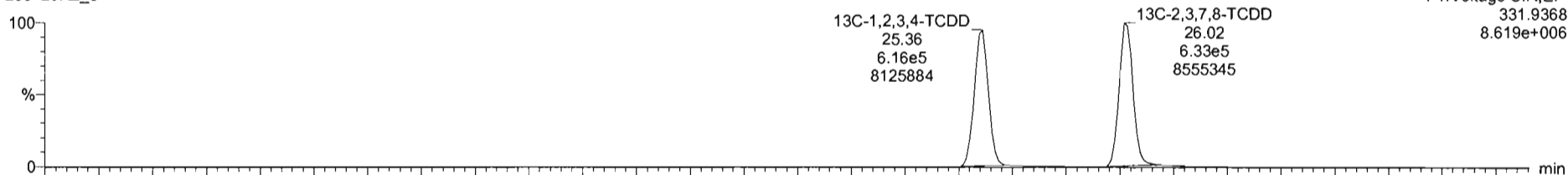
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200429R2_3

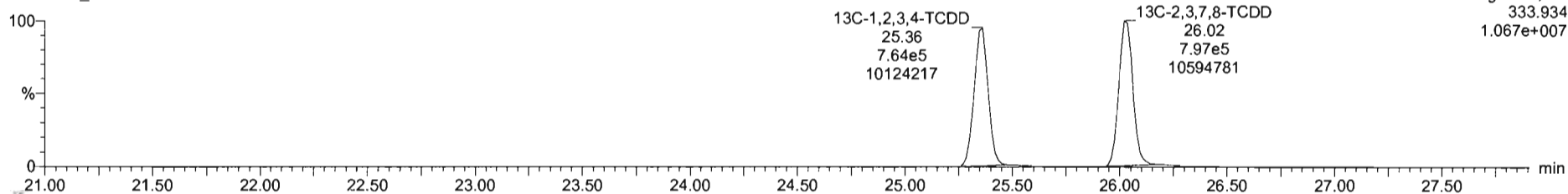


13C-1,2,3,4-TCDD

200429R2_3



200429R2_3



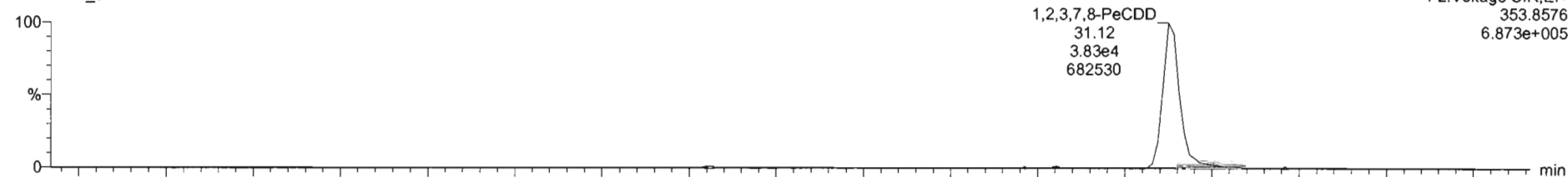
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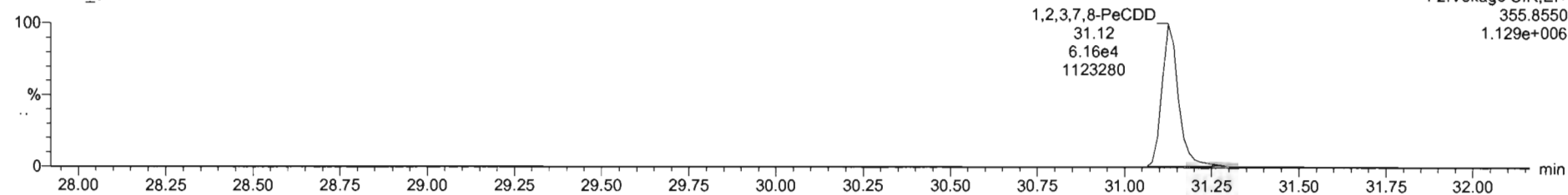
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1,2,3,7,8-PeCDD

200429R2_3

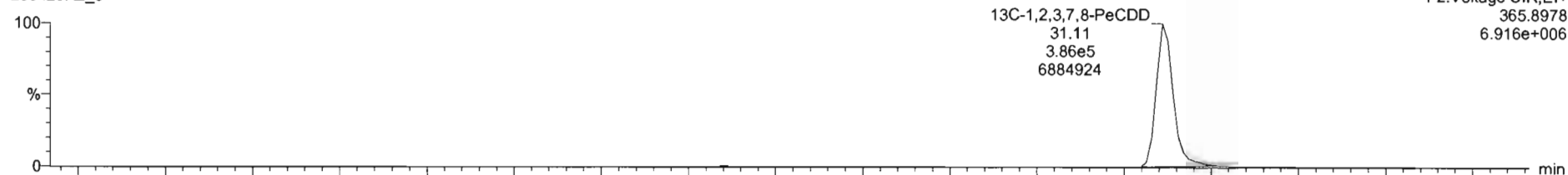


200429R2_3

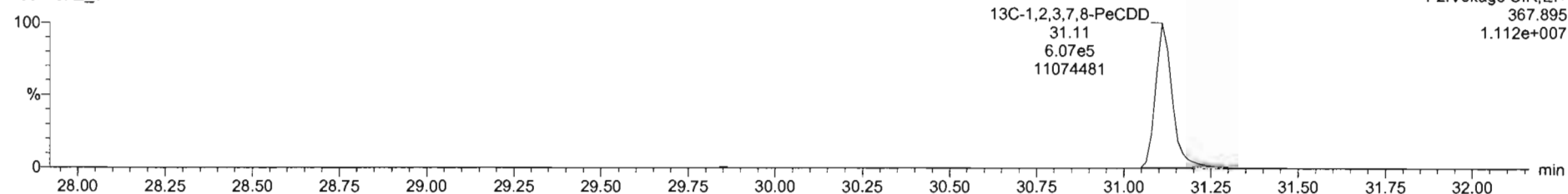


13C-1,2,3,7,8-PeCDD

200429R2_3



200429R2_3



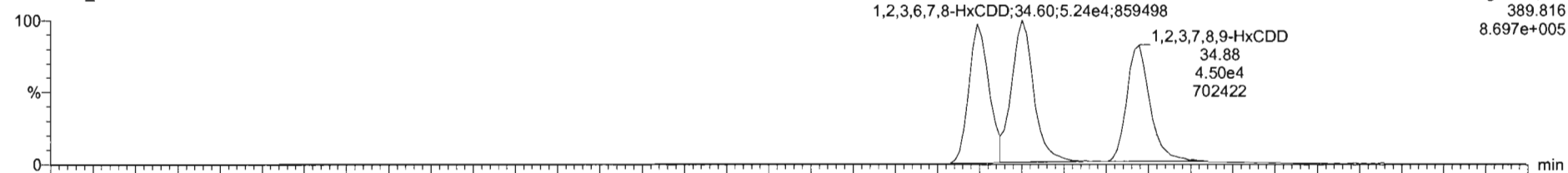
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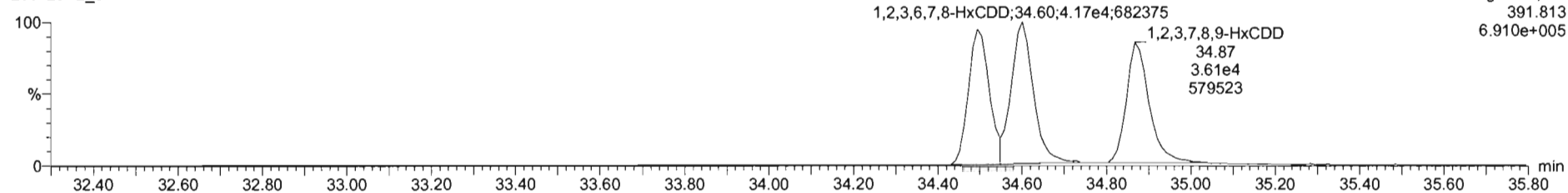
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1,2,3,4,7,8-HxCDD

200429R2_3

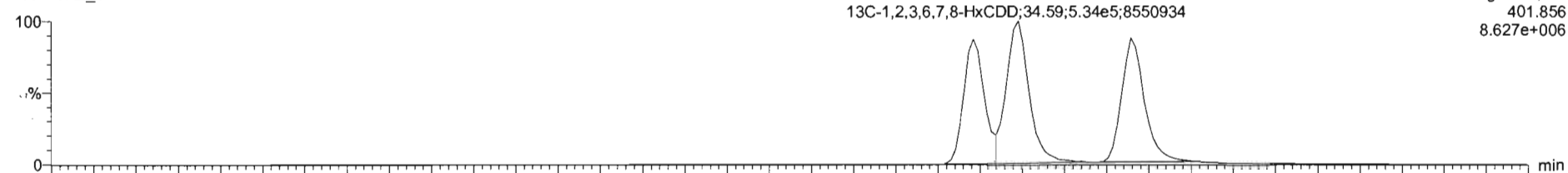


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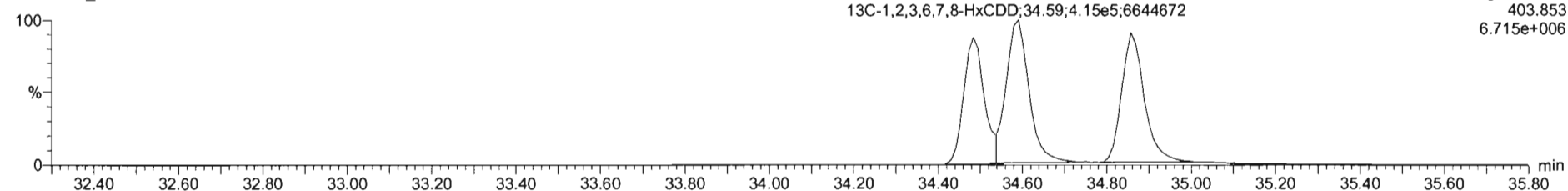


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200429R2_3



200429R2_3



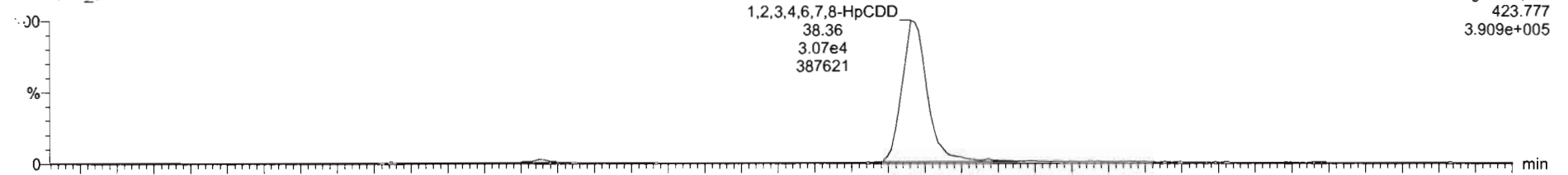
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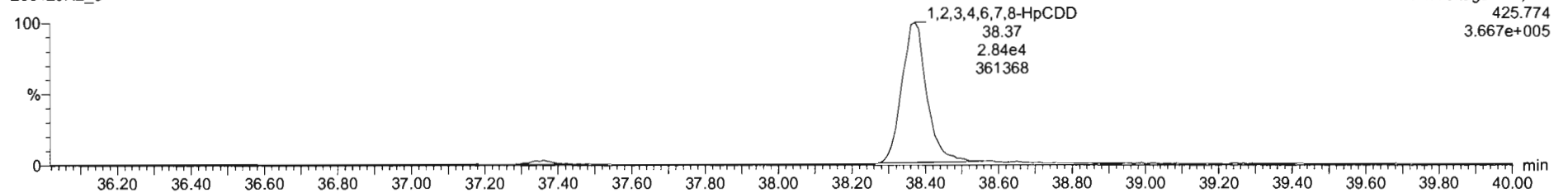
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200429R2_3

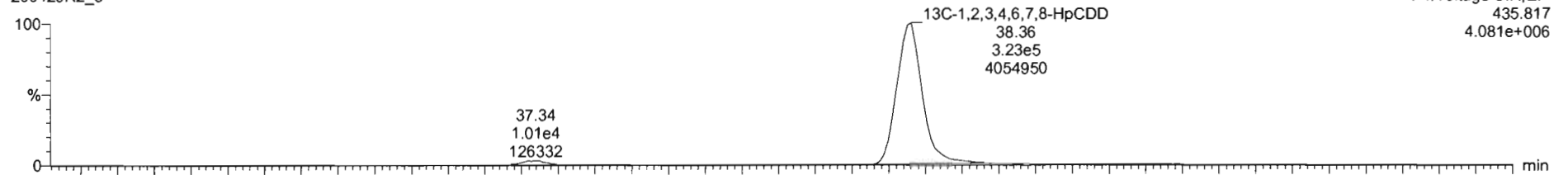


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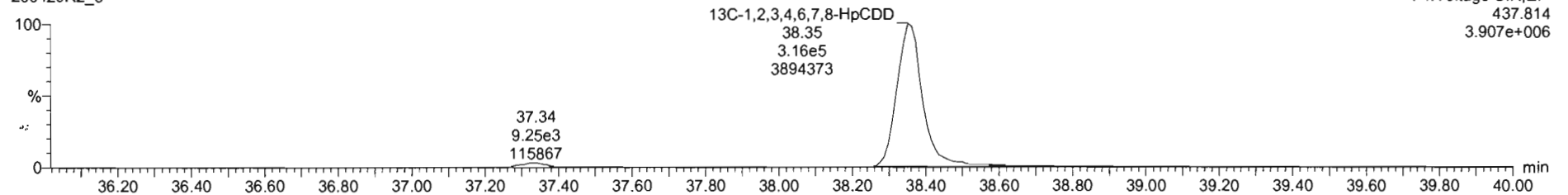


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200429R2_3



200429R2_3

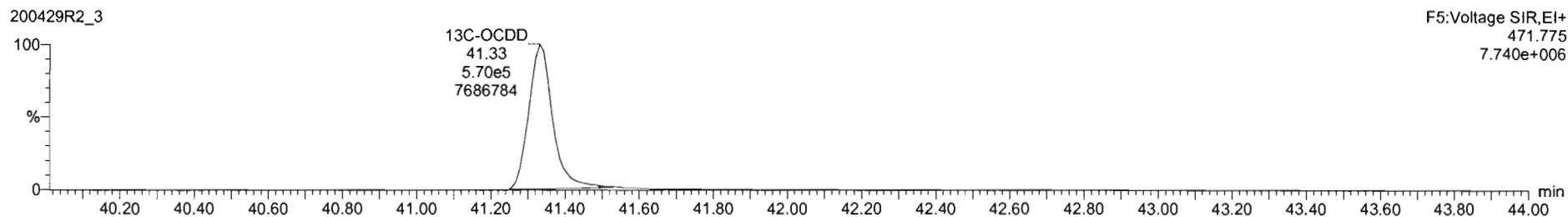
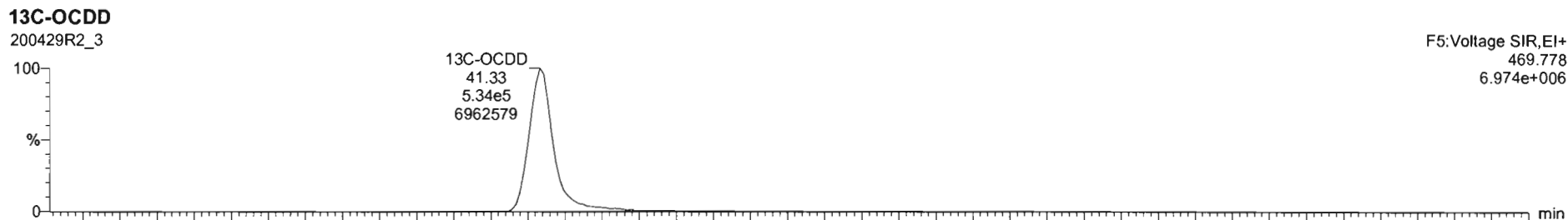
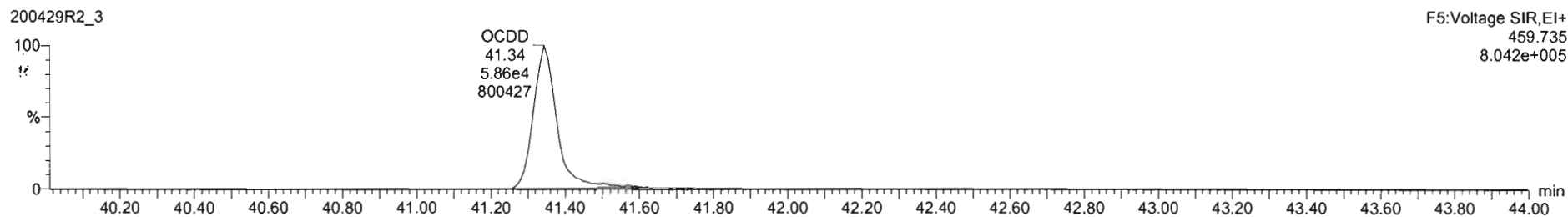
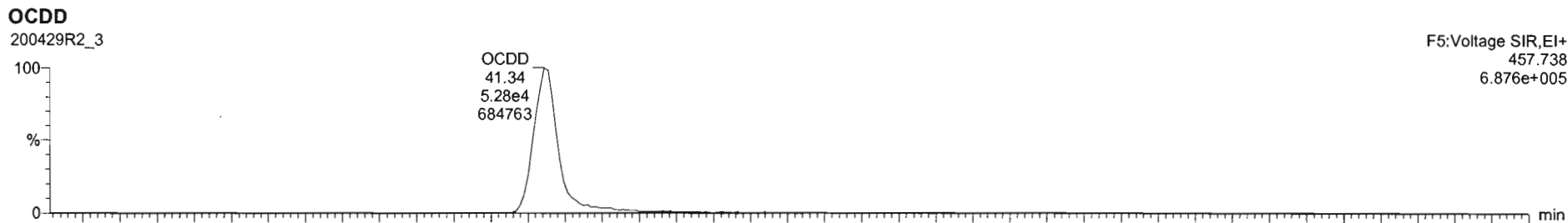


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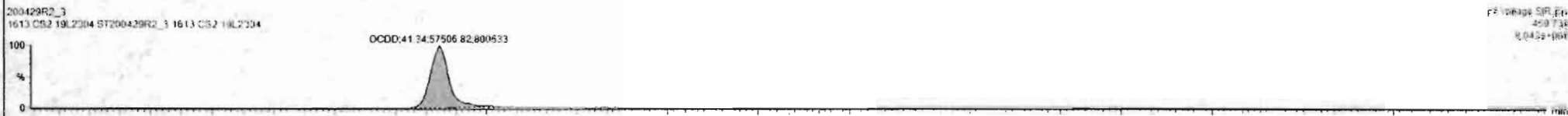
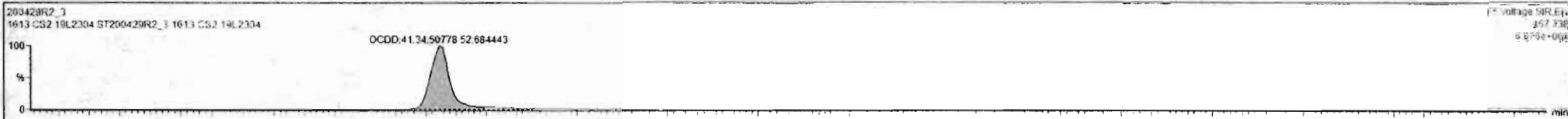
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#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.000	2.1	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9912e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.246	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.2359e5	10.000	6.3	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.36	1.001	NO	5.9094e4	6.5852e5	10.000	3.1	6.93	0.856	0.0622
7	OCDD	41.34	0.863	NO	1.0629e5	1.0663e6	20.000	8.6	7.57	0.830	0.0767
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.067	NO	1.5997e5	1.6425e6	10.000	7.0	5.06	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.5656e6	10.000	6.4	4.98	0.906	0.0481
11	1,2,3,4,7,8-HxCDF	32.83	1.217	NO	9.1102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.200	NO	1.0896e5	1.1366e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0201e6	10.000	7.1	7.69	0.922	0.0766
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	8.5276e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.90	0.950	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.8417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.6707e5	1.2711e6	20.000	5.0	7.16	0.862	0.0575



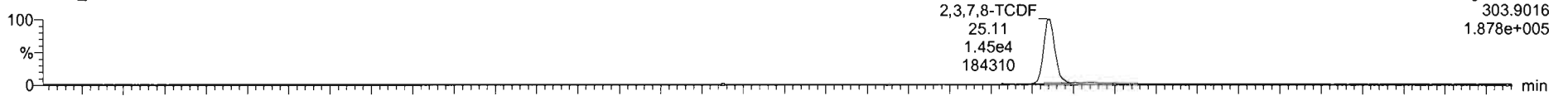
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

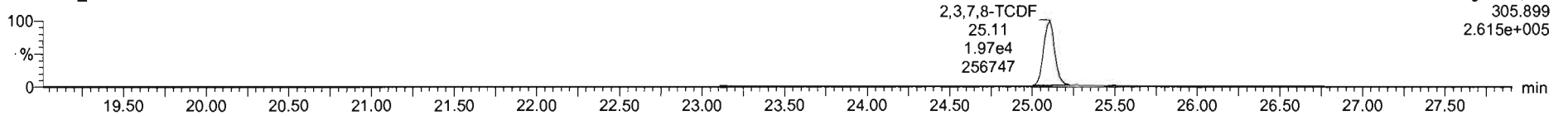
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2,3,7,8-TCDF

200429R2_3

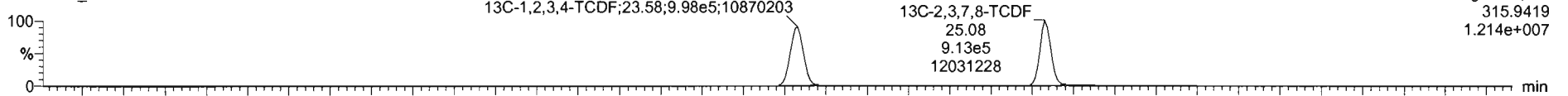


200429R2_3

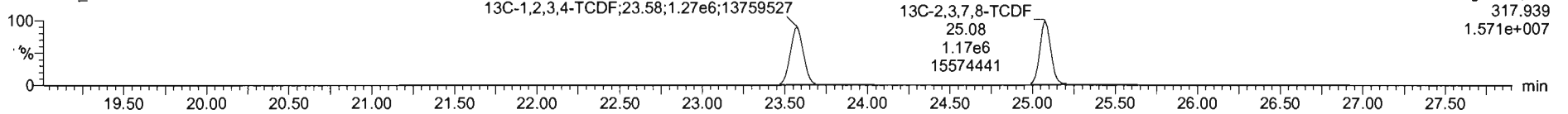


13C-2,3,7,8-TCDF

200429R2_3

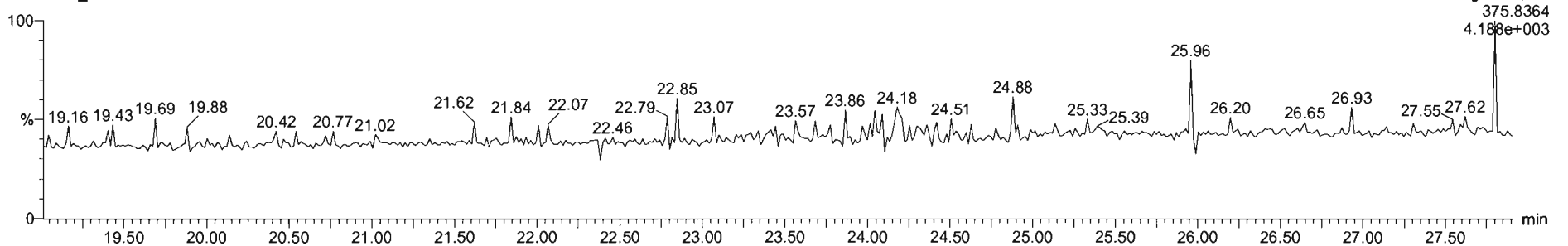


200429R2_3



DPE1

200429R2_3



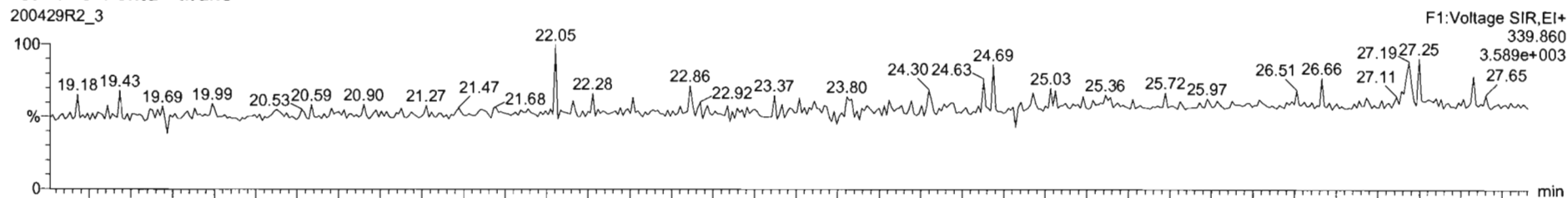
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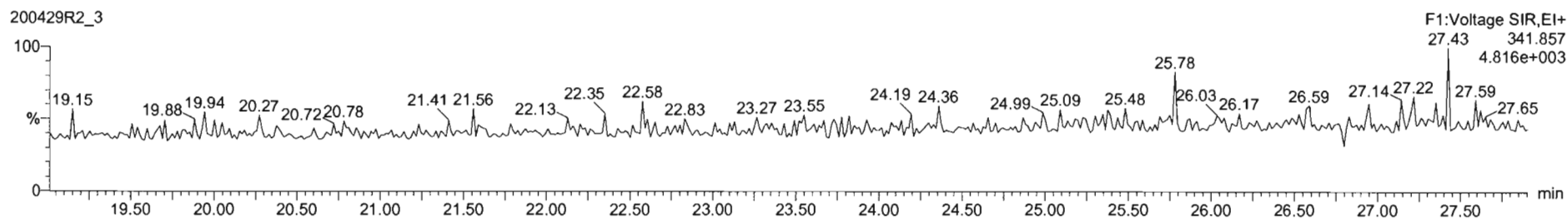
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1st Func. Penta-Furans

200429R2_3

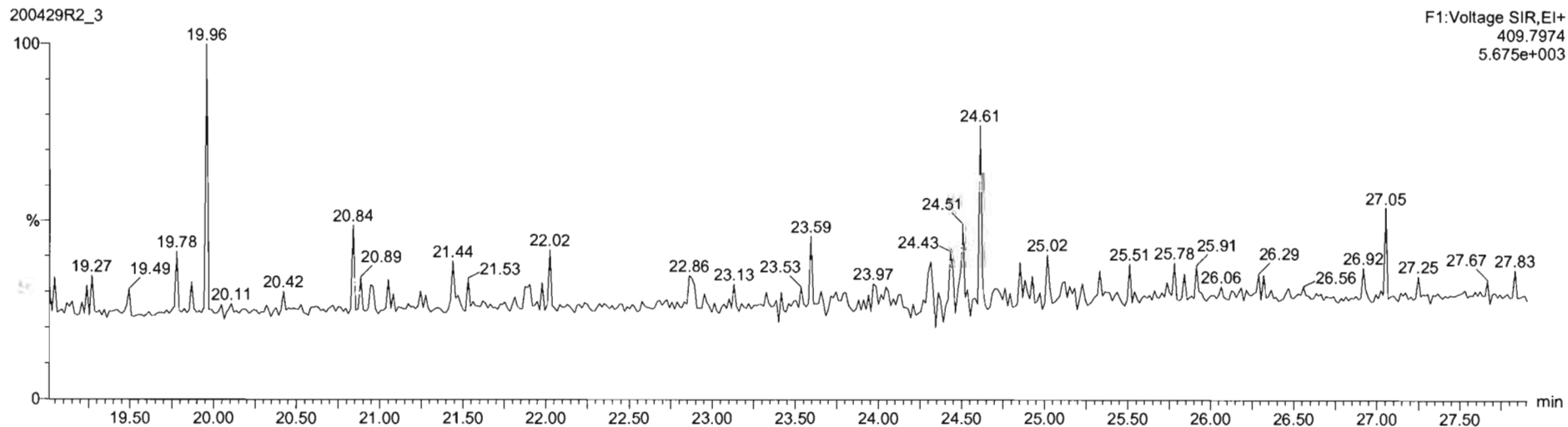


200429R2_3



DPE6

200429R2_3



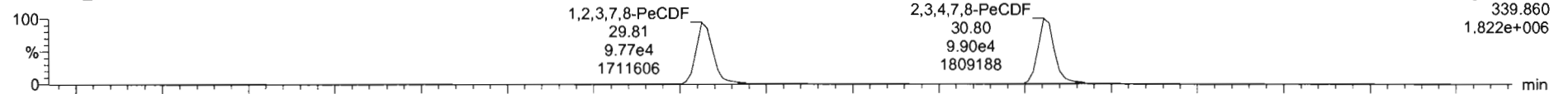
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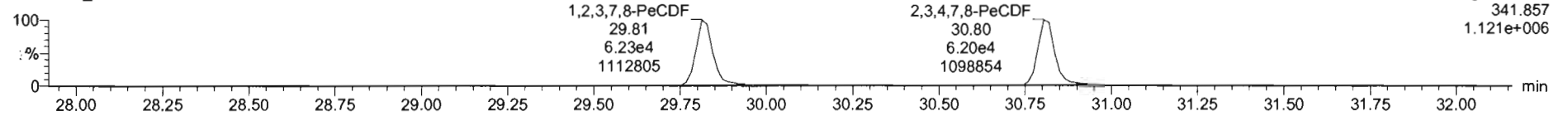
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1,2,3,7,8-PeCDF

200429R2_3



200429R2_3

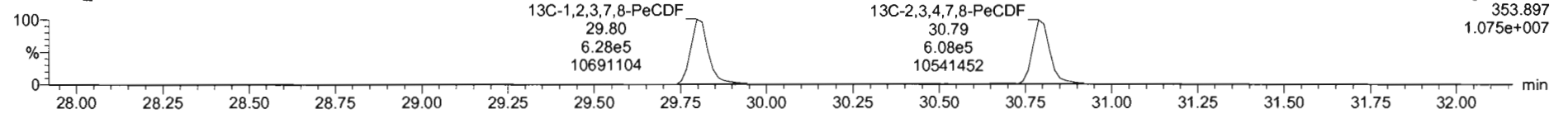


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200429R2_3

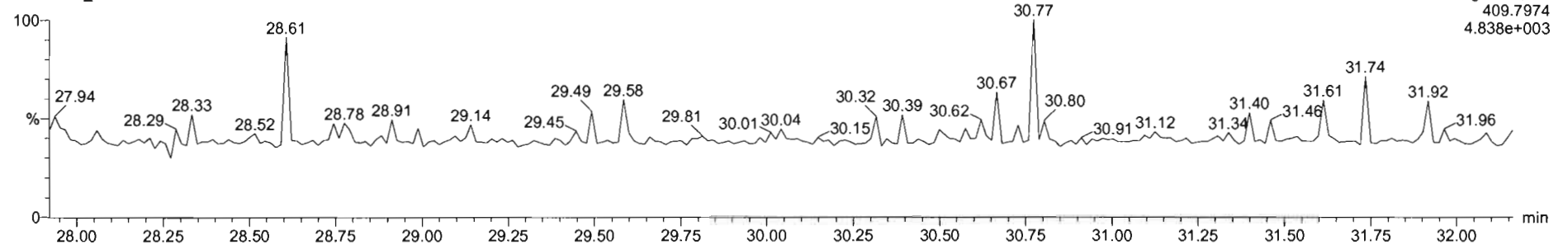


200429R2_3



DPE2

200429R2_3



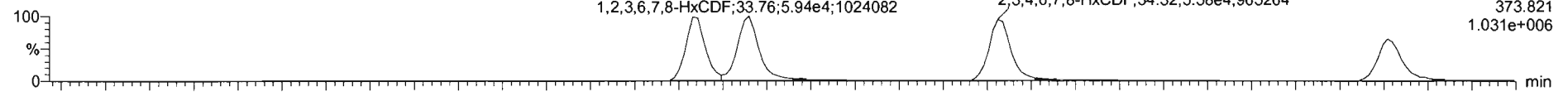
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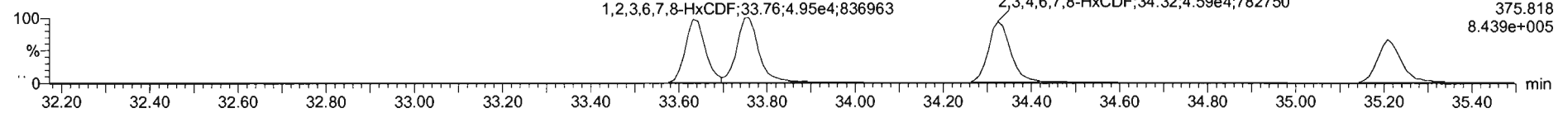
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1,2,3,4,7,8-HxCDF

200429R2_3

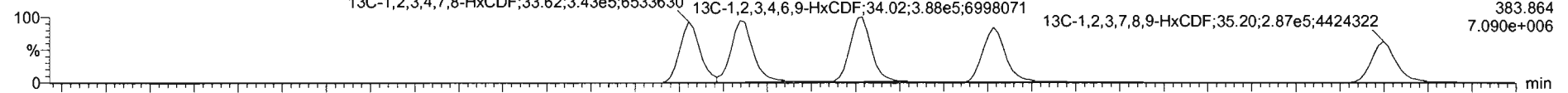


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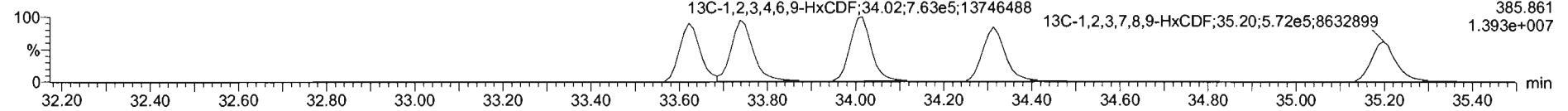


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200429R2_3

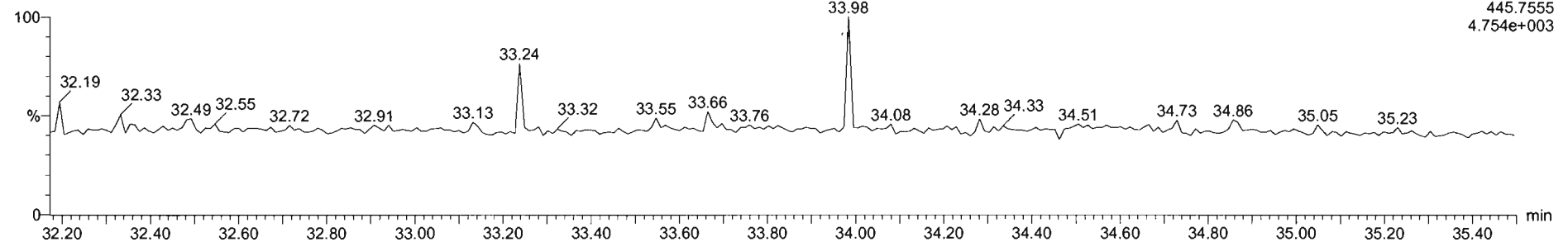


200429R2_3



DPE3

200429R2_3



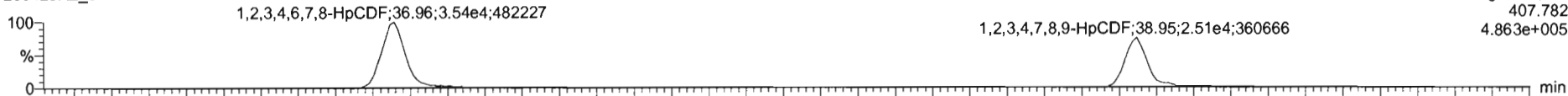
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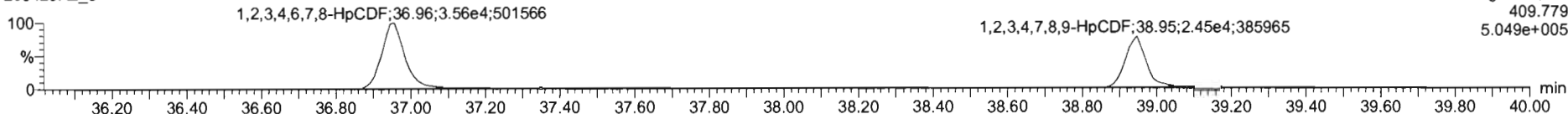
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1,2,3,4,6,7,8-HpCDF

200429R2_3

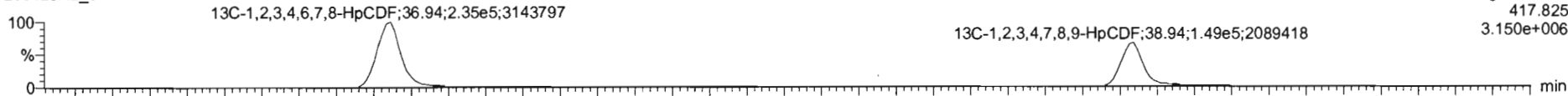


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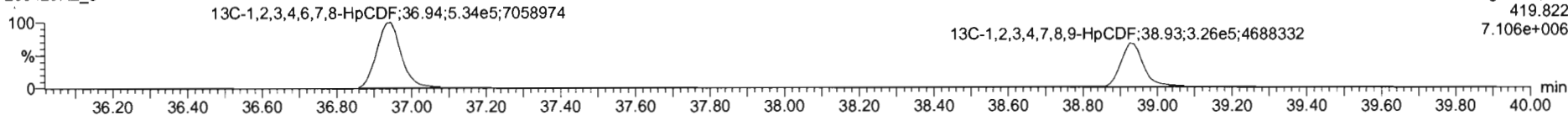


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200429R2_3

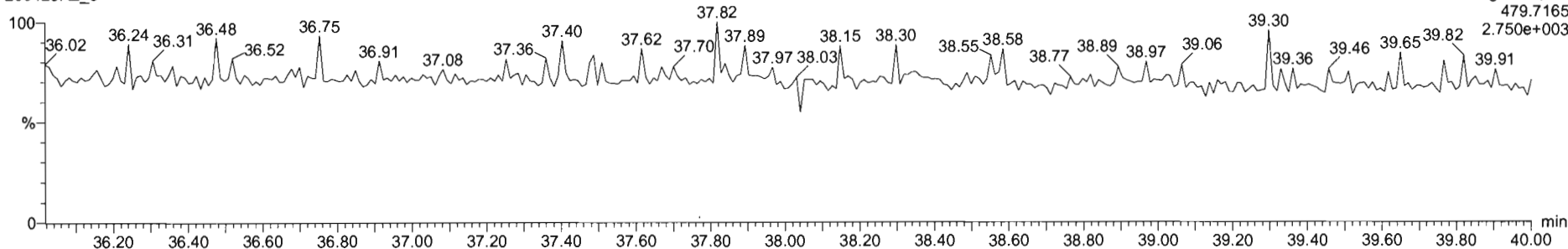


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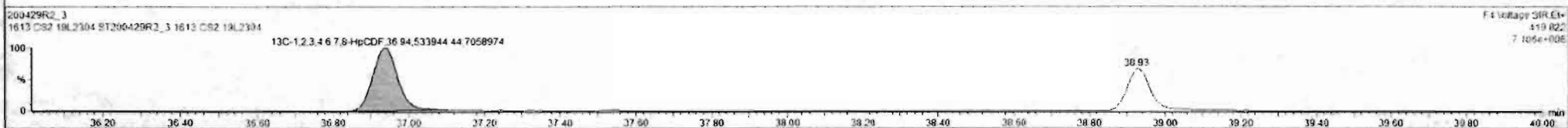
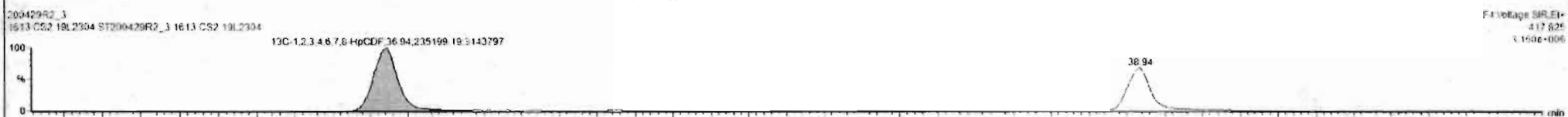
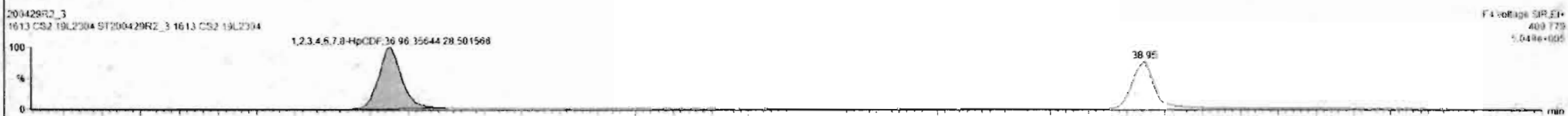
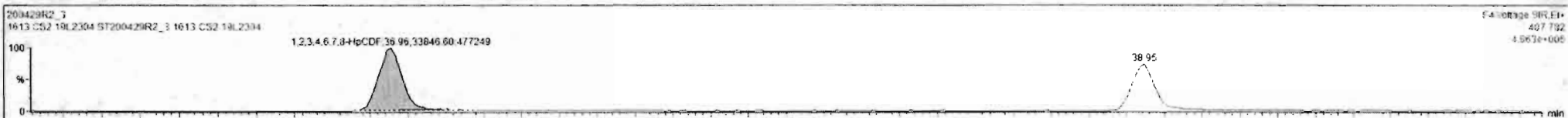


DPE4

200429R2_3



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2	2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.49	1.248	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0794
4	4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.3359e5	10.000	6.3	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.36	1.051	NO	5.9094e4	6.3652e5	10.000	3.1	6.93	0.856	0.0622
7	7	OCDD	41.34	0.853	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	8	1,2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.567	NO	1.5997e5	1.8425e6	10.000	7.0	5.66	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6103e5	1.5556e6	10.000	6.4	4.98	0.666	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.63	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	13	1,2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0786
14	14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	8.5276e5	10.000	4.9	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	38.95	0.850	NO	6.9491e4	7.6014e5	10.000	3.7	7.54	0.871	0.0652
16	16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.3417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	17	OCDF	41.52	0.877	NO	1.0707e5	1.2711e6	20.000	5.0	7.16	0.602	0.0575

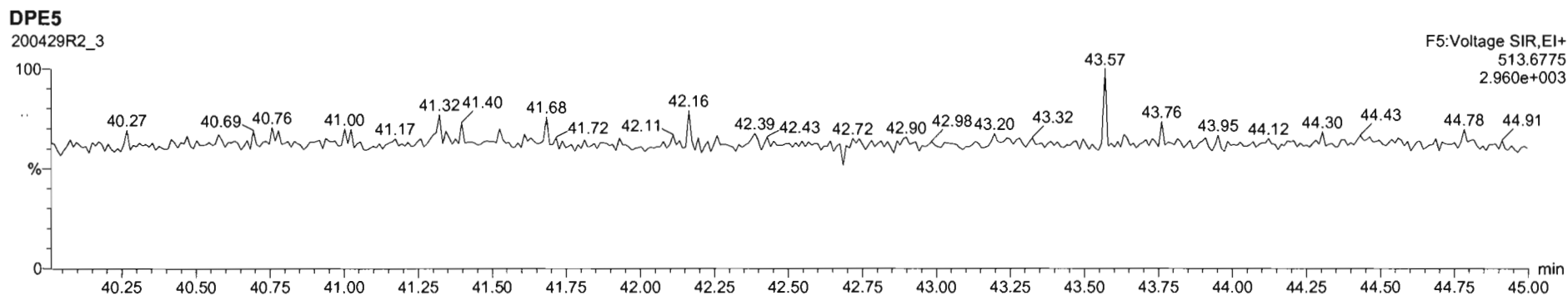
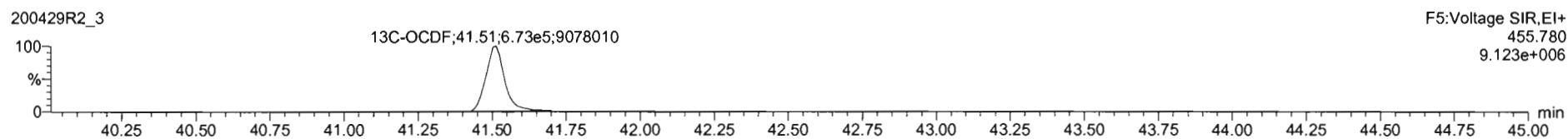
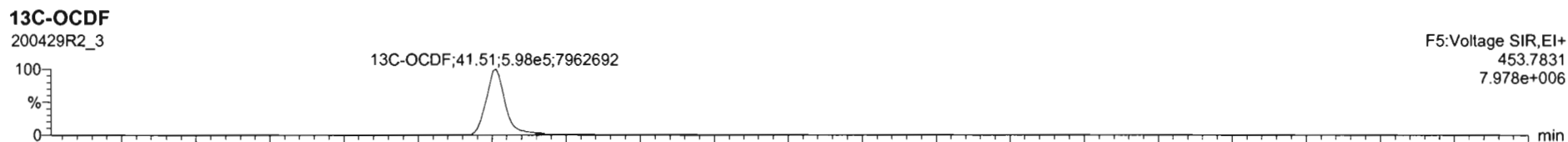
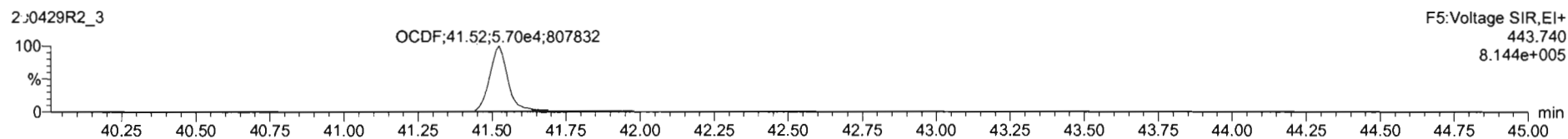
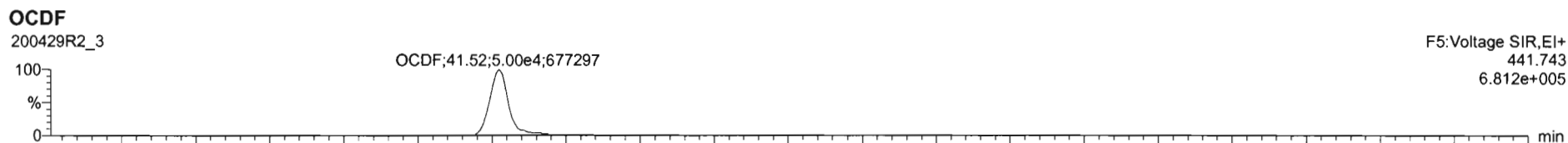


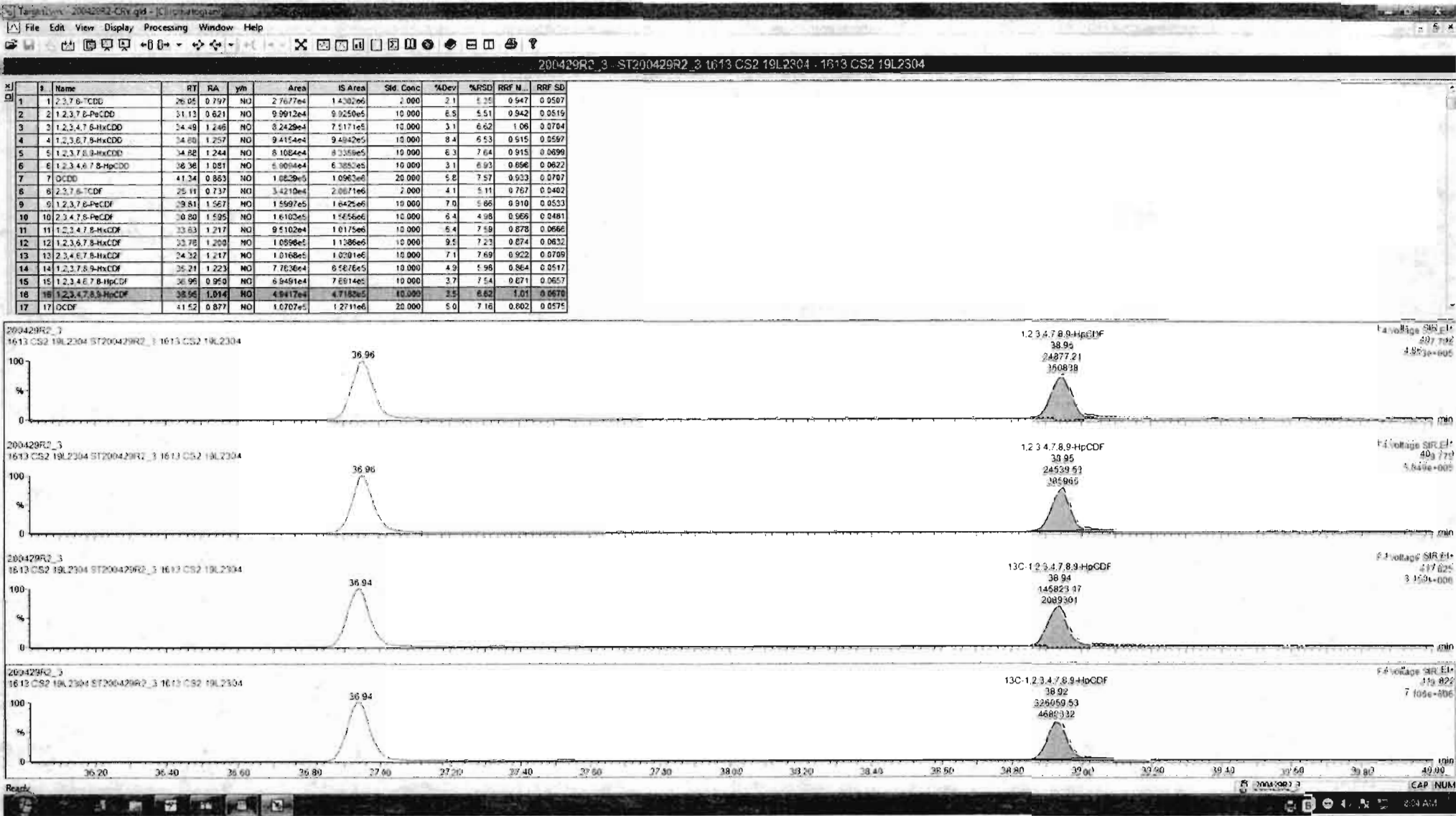
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_3, Date: 29-Apr-2020, Time: 15:02:24, ID: ST200429R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

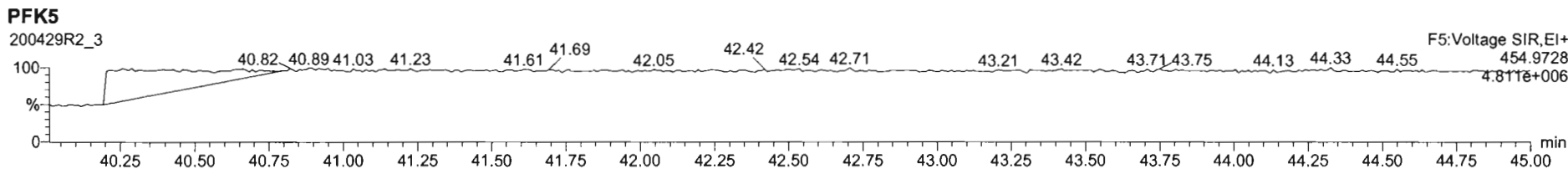
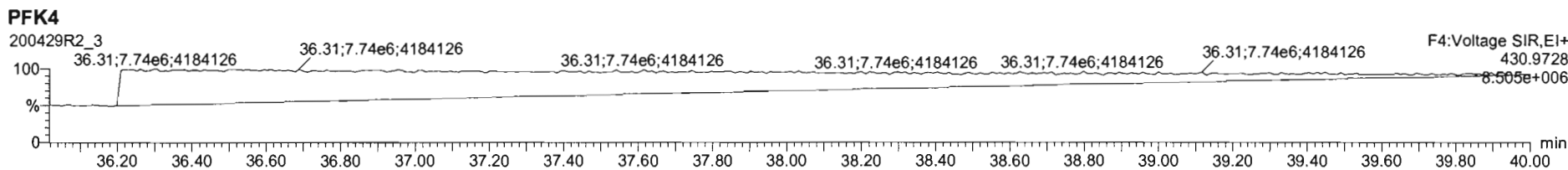
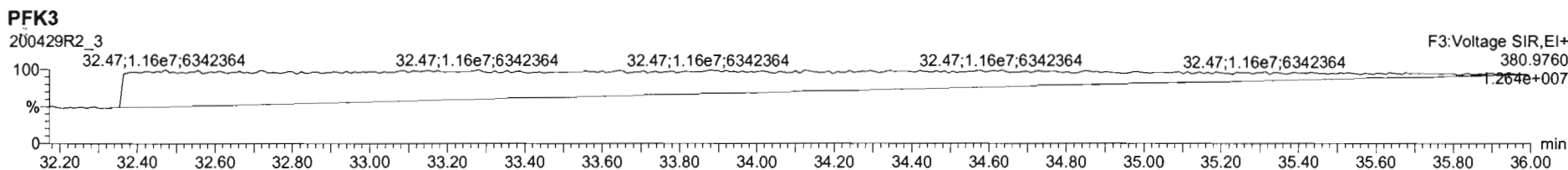
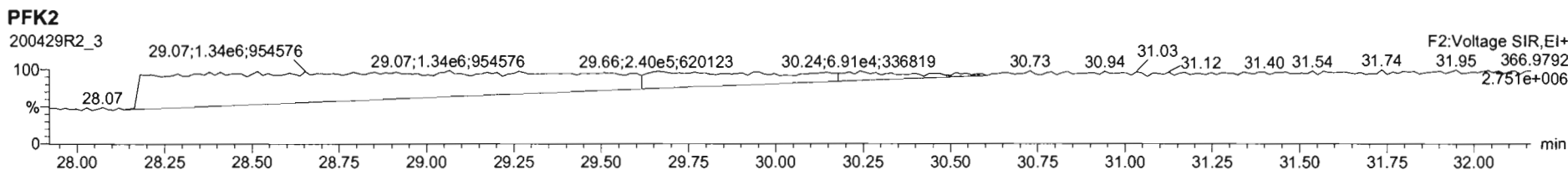
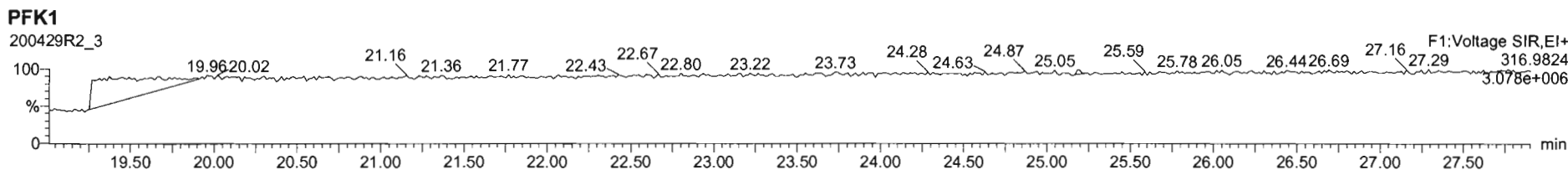




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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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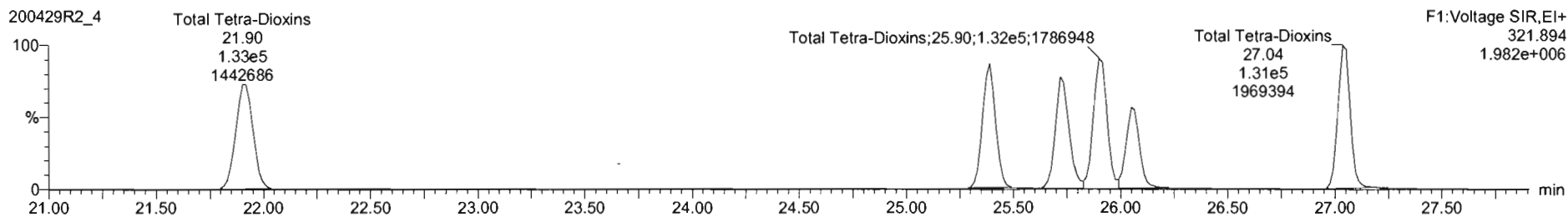
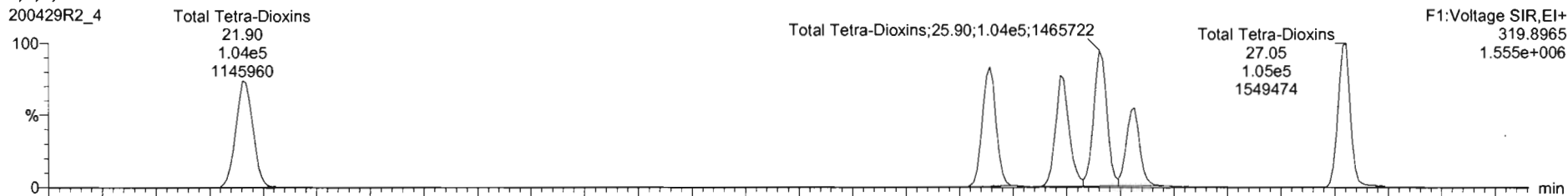


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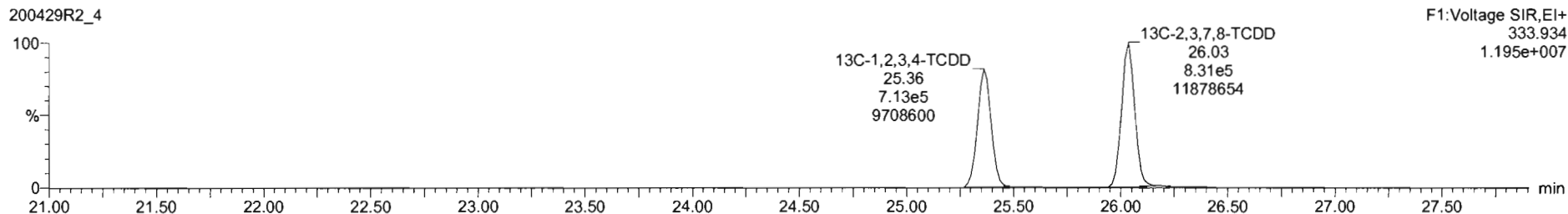
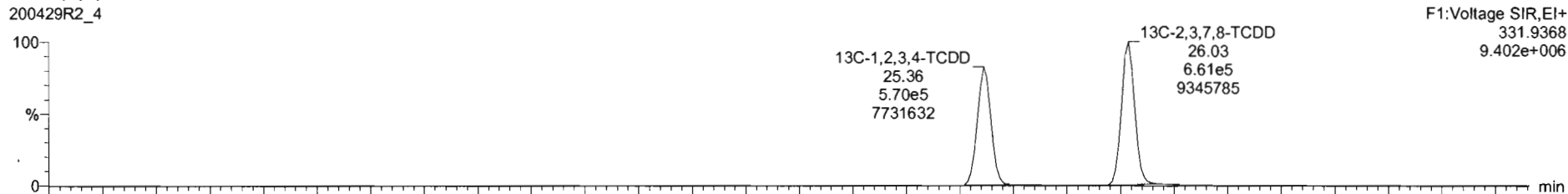
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



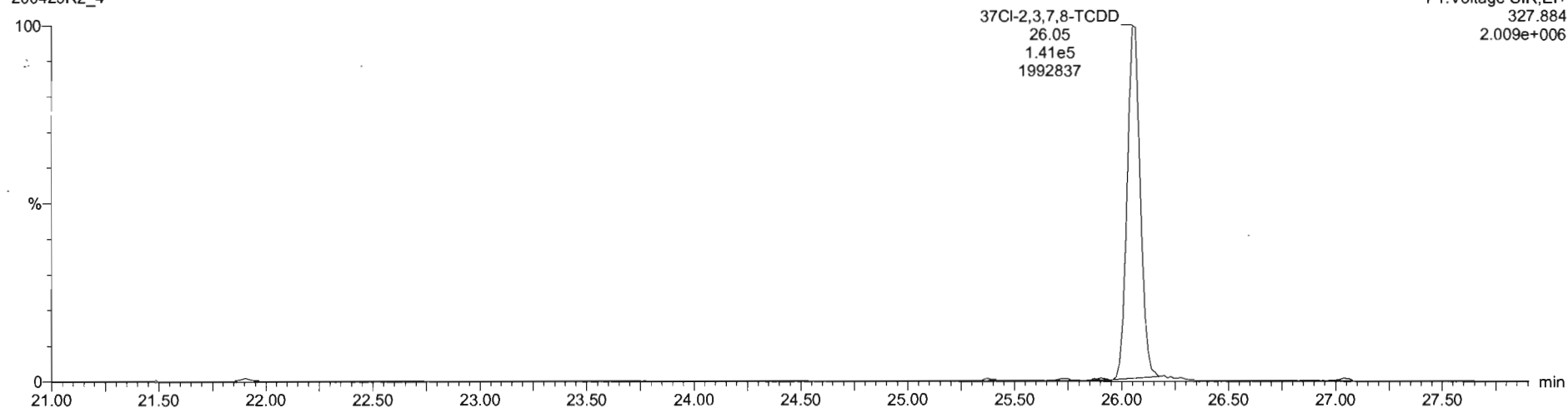
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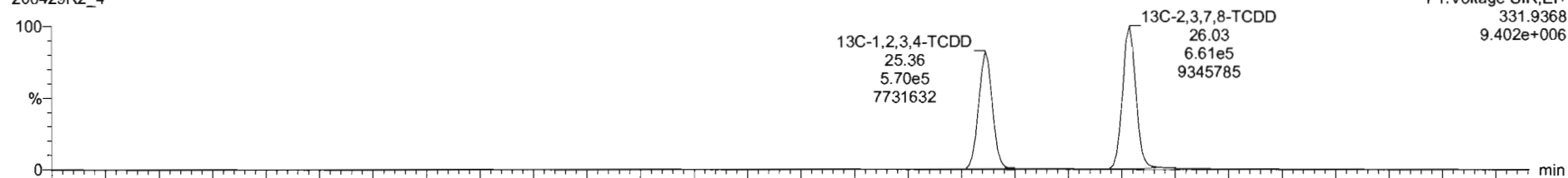
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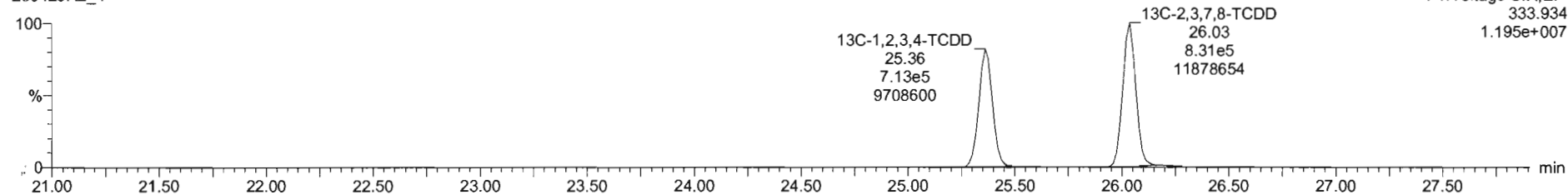


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200429R2_4



200429R2_4



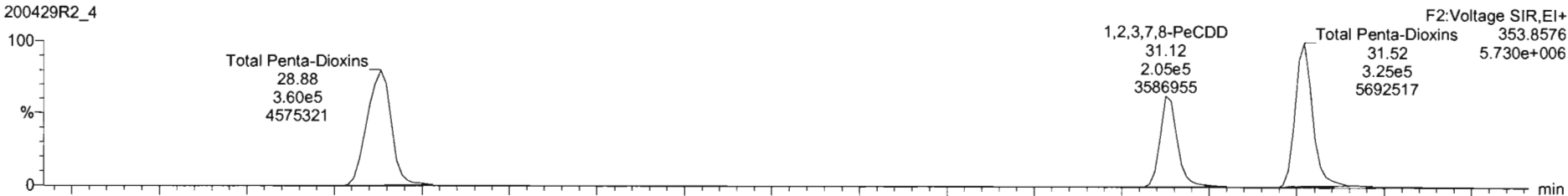
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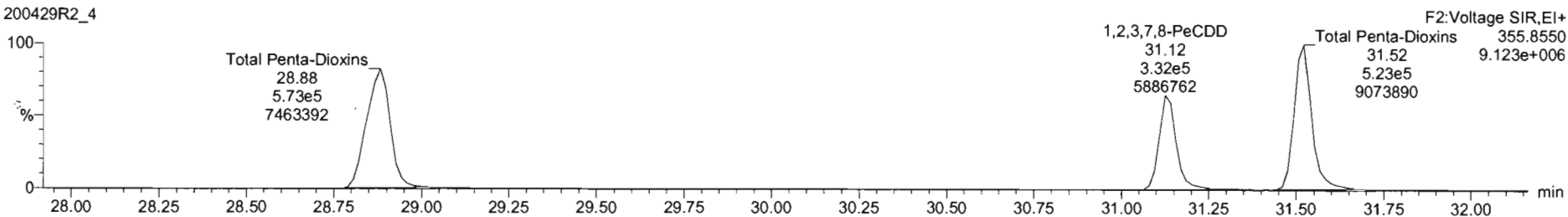
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200429R2_4

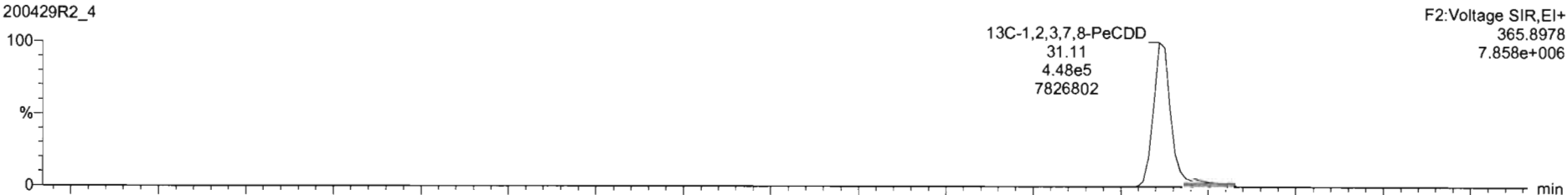


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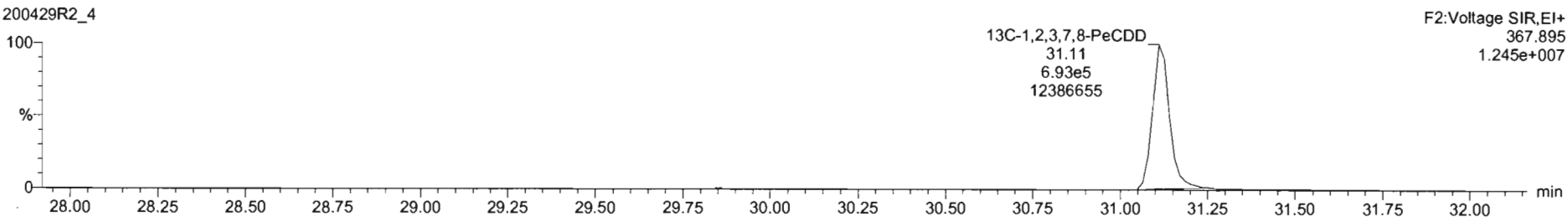


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200429R2_4



200429R2_4



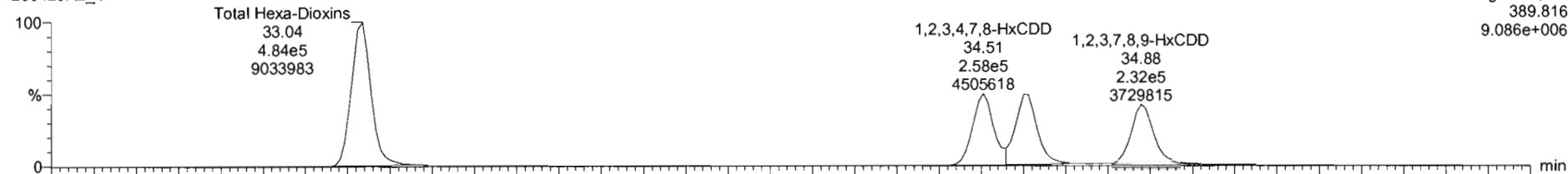
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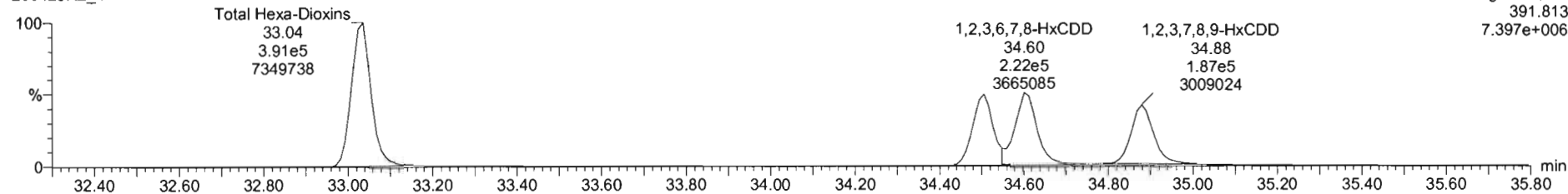
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1,2,3,4,7,8-HxCDD

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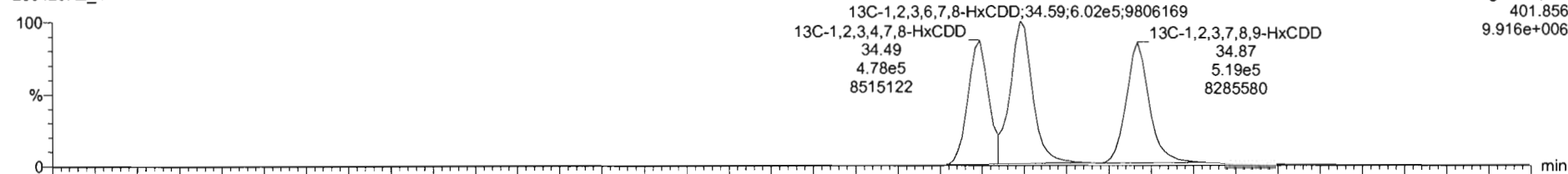


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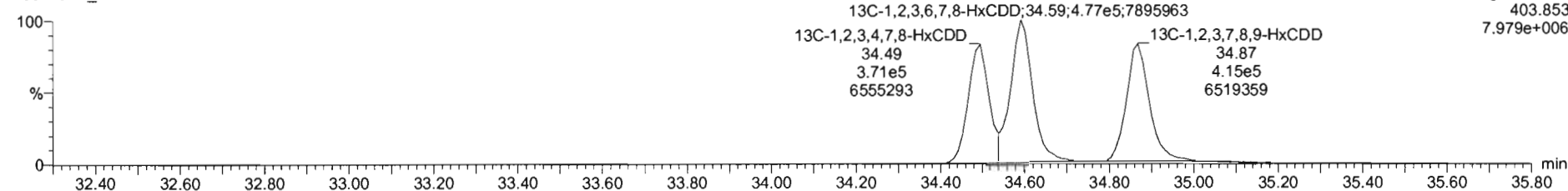


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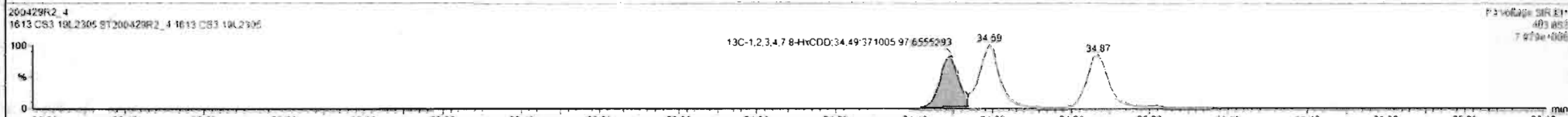
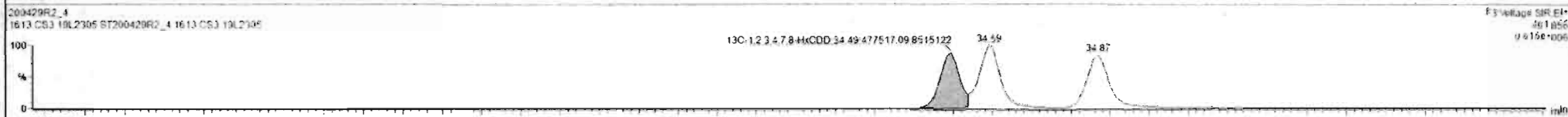
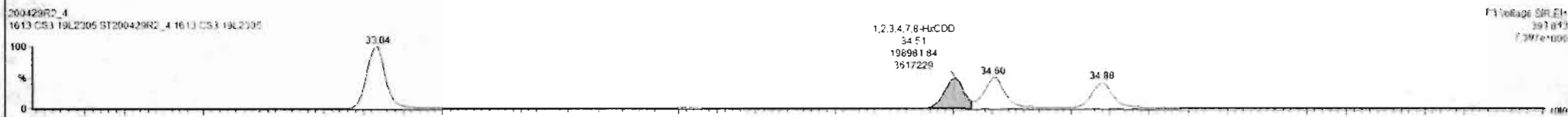
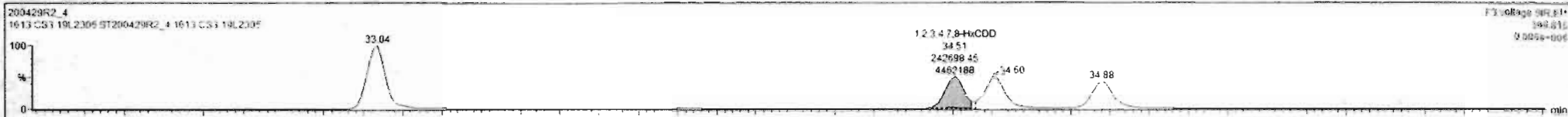
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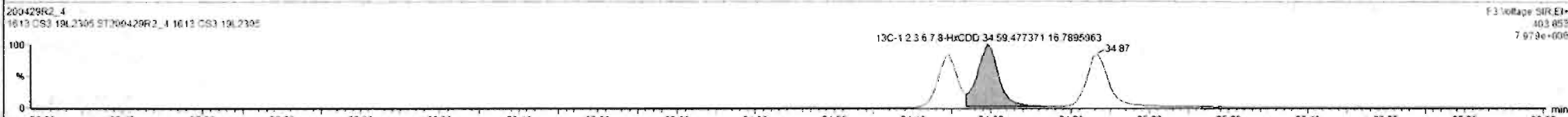
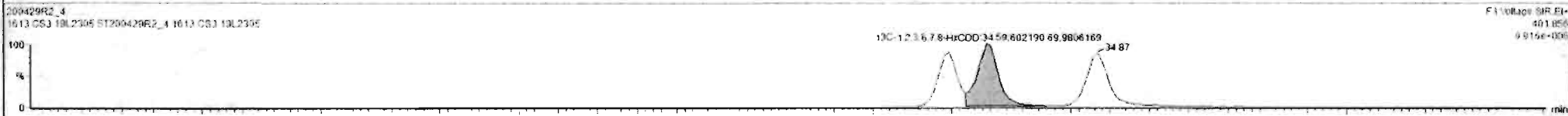
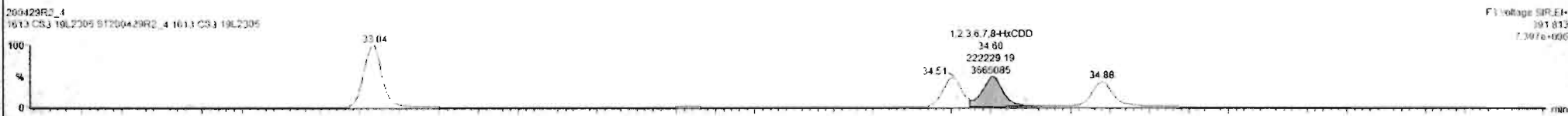
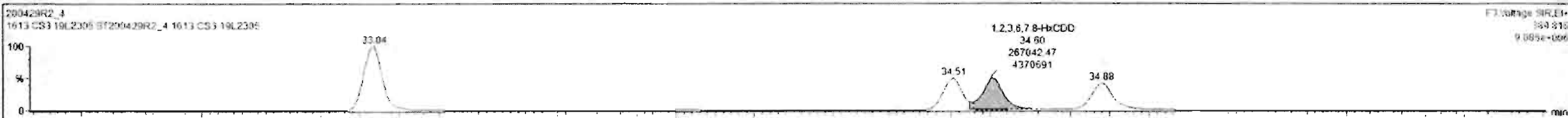
200429R2_4



#	s	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.35	0.947	0.0407
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.226	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	4	1,2,3,6,7,8-HxCDD	34.82	1.202	NO	4.8827e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0493
5	5	1,2,3,7,8,9-HxCDD	34.88	1.239	NO	4.1946e5	9.2381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.38	0.988	NO	3.0789e5	6.7896e5	50.000	1.0	6.93	0.696	0.0622
7	7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.939	0.0763
8	8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0462
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.6862e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.666	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5766e5	1.2611e6	50.000	1.2	7.23	0.874	0.0633
13	13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.68	0.902	0.0765
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.98	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5972e5	5.1182e5	50.000	0.3	6.62	1.01	0.0679
17	17	OCDF	41.53	0.862	NO	5.3038e5	1.3196e6	100.000	1.3	7.16	0.863	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3879e5	1.1411e6	50.000	0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8027e5	1.0736e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.98	1.239	NO	4.1946e5	9.2381e5	50.000	-1.5	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	38.38	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.25	0.879	NO	5.6237e5	1.1777e6	100.000	2.3	7.57	0.933	0.0707
8	1,2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1451e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.6822e6	50.000	0.0	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.9179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.674	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2624e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.602	0.0575



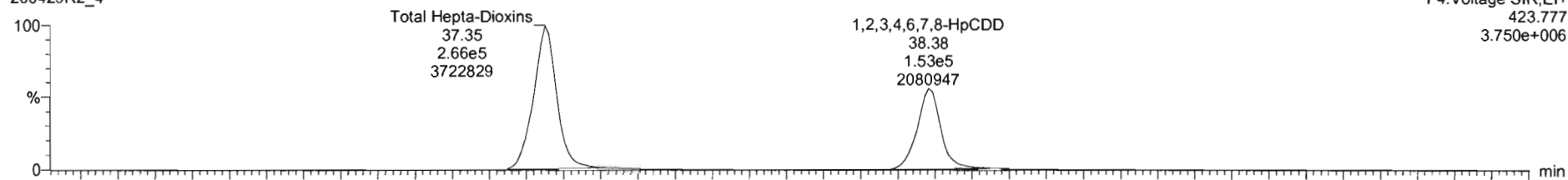
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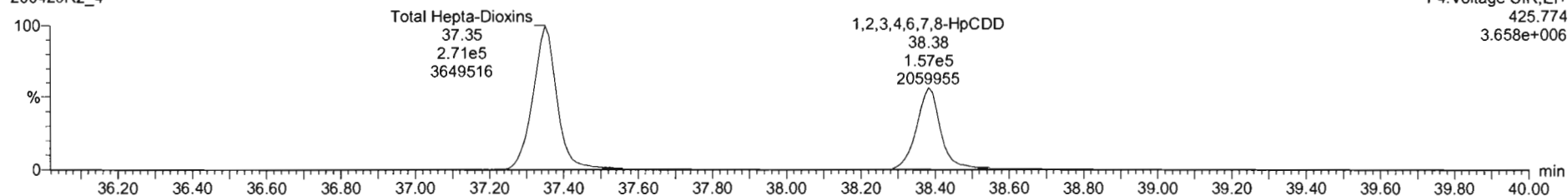
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200429R2_4

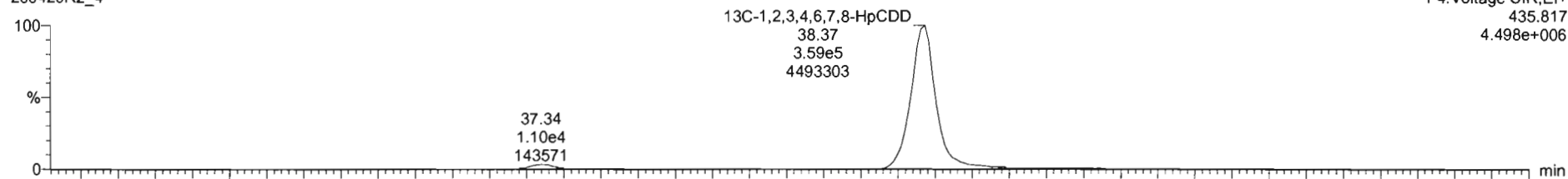


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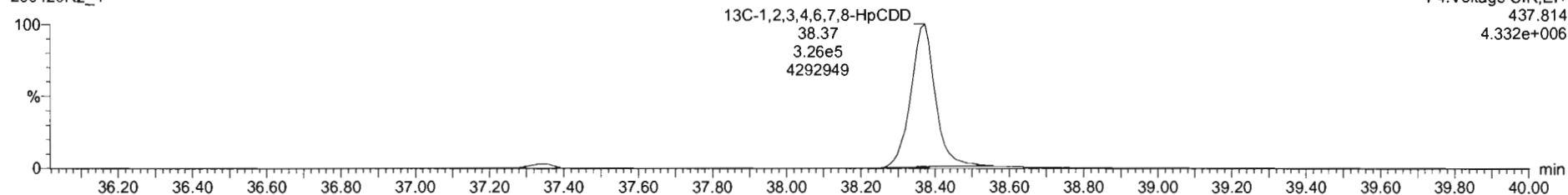


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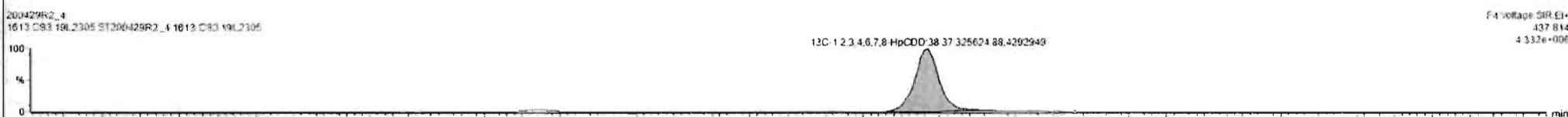
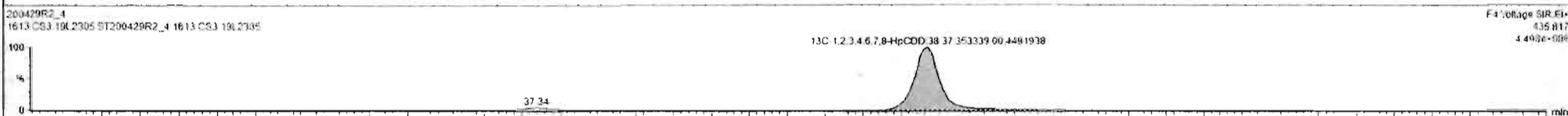
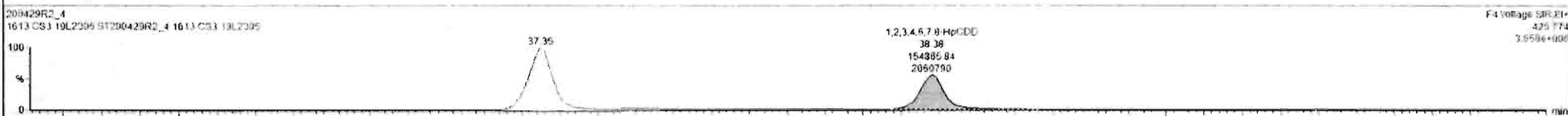
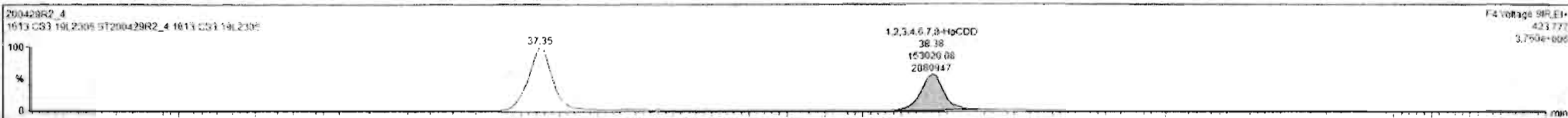
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200429R2_4



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,6-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.229	NO	4.4168e5	8.4852e5	50.000	2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.00	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.98	1.219	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.36	0.968	NO	3.0769e5	6.7096e5	50.000	1.0	6.93	0.898	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.8662e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	29.00	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	33.76	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	24.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2834e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	8.6486e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.06	0.998	NO	2.6973e5	5.1185e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575



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200429R2_4

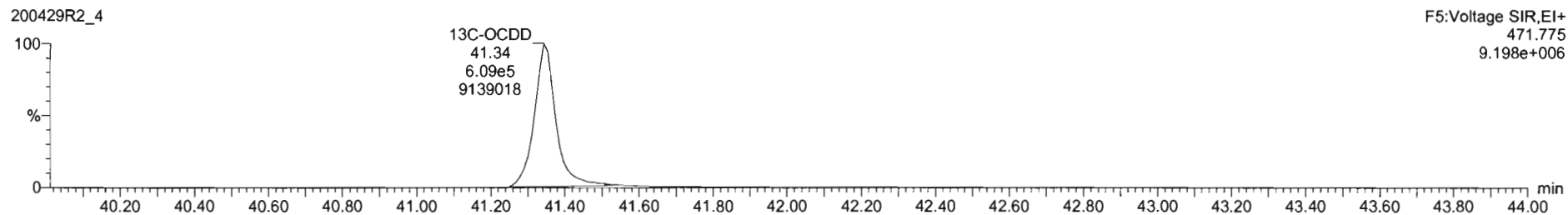
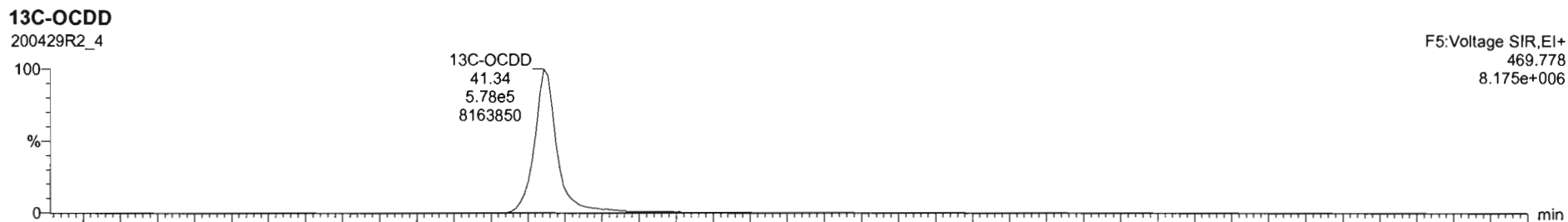
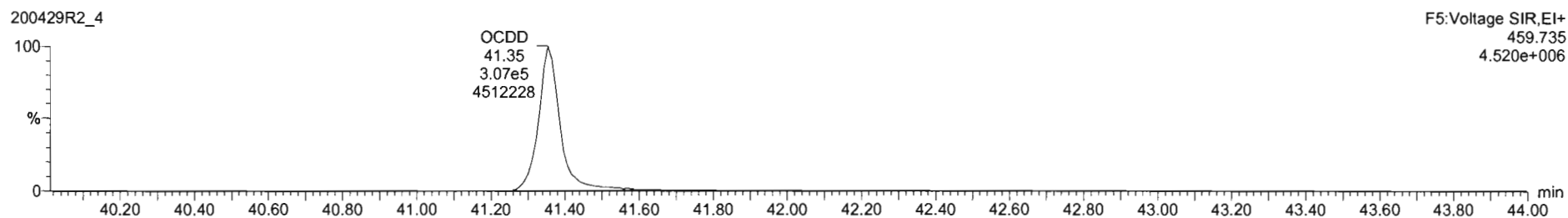
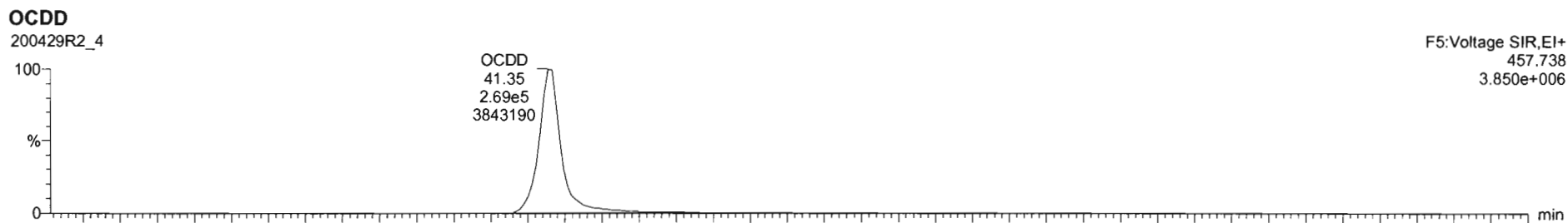
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time

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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305



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200429R2_4 - ST200429R2_4 1613 CS3 19L2305 - 1613 CS3 19L2305

#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4920e5	10.000	0.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.239	NO	4.1546e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	36.36	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.656	0.0622
7	OCDD	41.35	0.879	NO	5.8337e5	1.1777e6	100.000	2.5	7.57	0.833	0.0261
8	2,2,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.8722e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.173	NO	5.5706e5	1.2811e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1299e6	50.000	3.2	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1183e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575

200429R2_4
1613 CS3 19L2305 ST200429R2_4 1613 CS3 19L2305

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497.736
3.850e+006

200429R2_4
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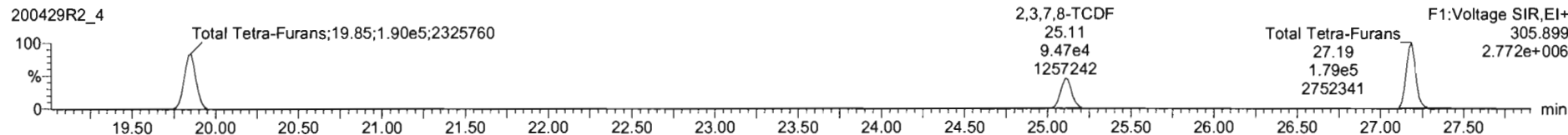
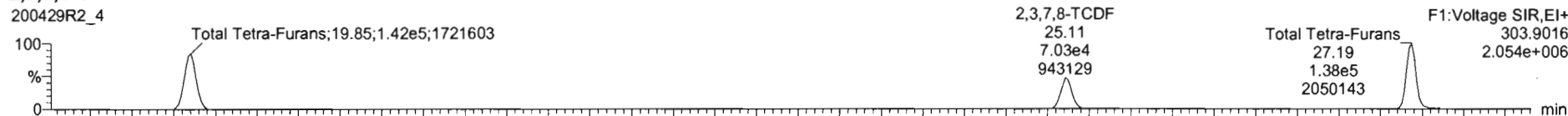
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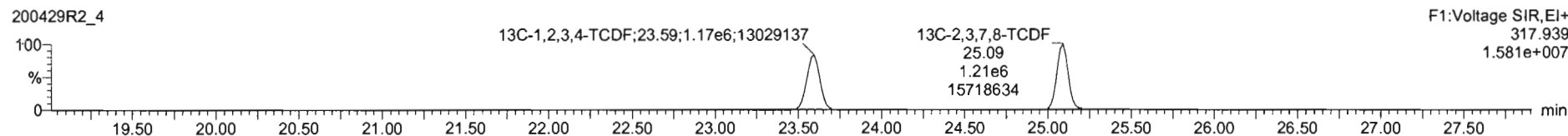
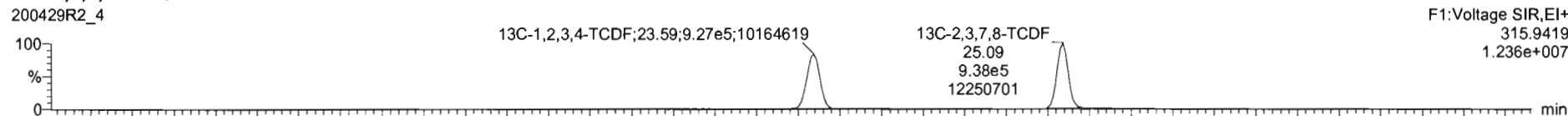
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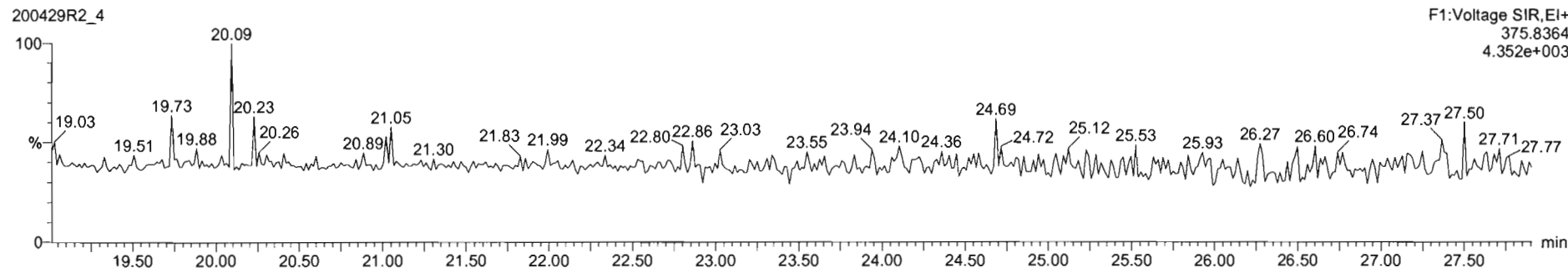
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13C-2,3,7,8-TCDF



DPE1



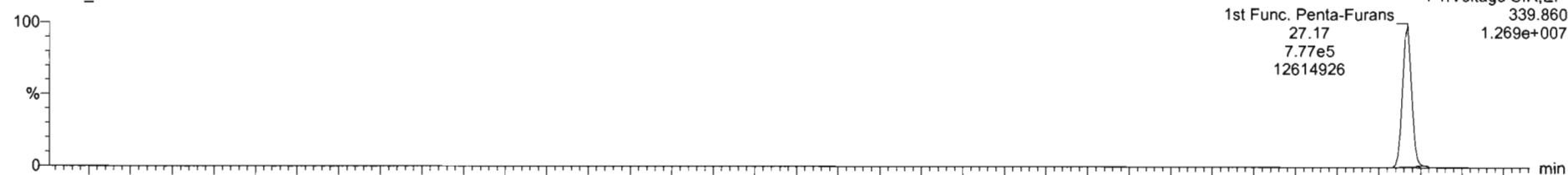
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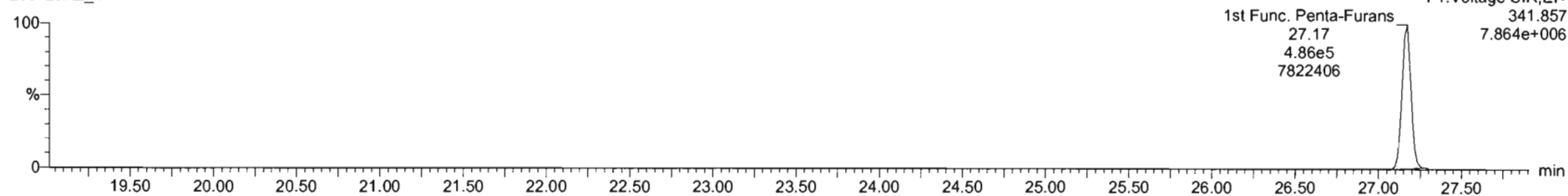
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1st Func. Penta-Furans

200429R2_4

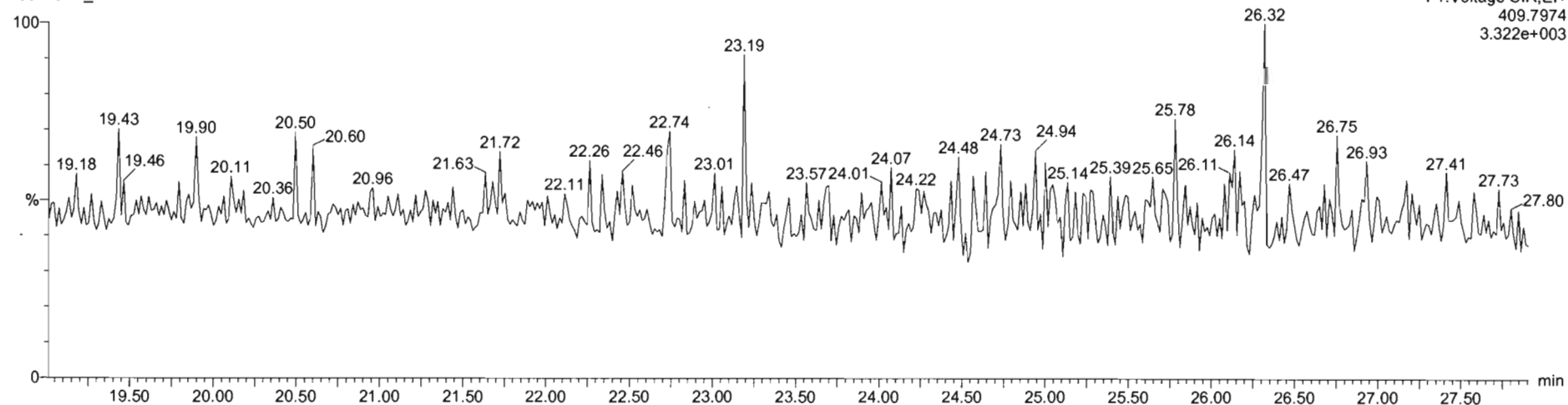


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DPE6

200429R2_4



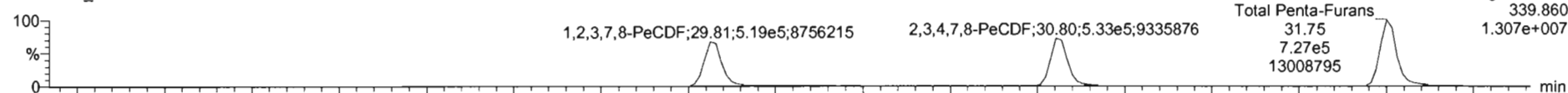
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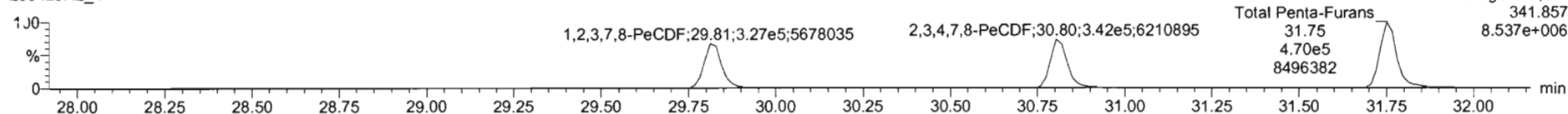
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1,2,3,7,8-PeCDF

200429R2_4

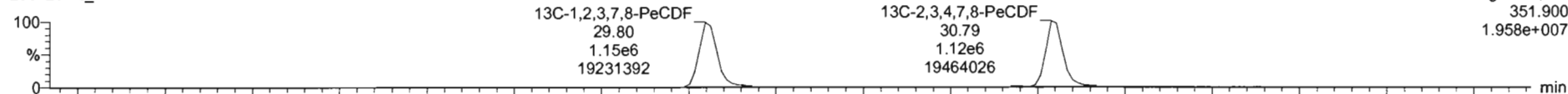


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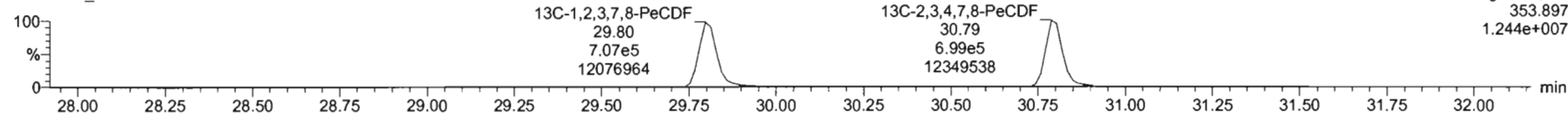


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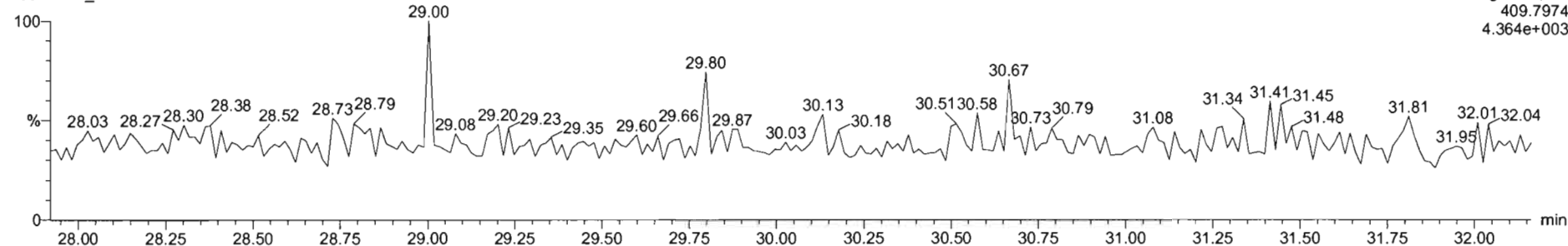


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DPE2

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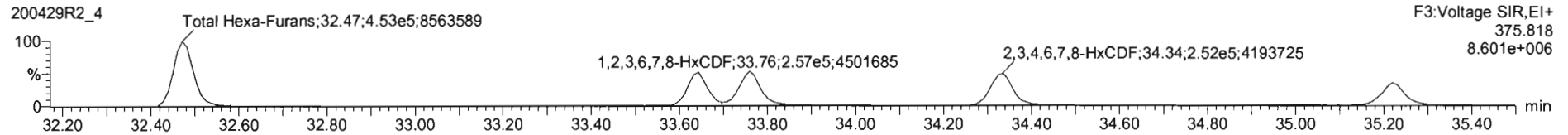
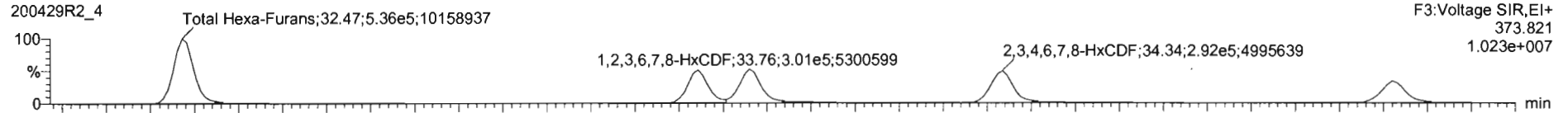


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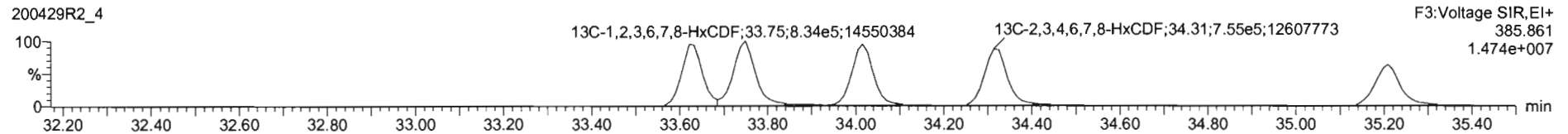
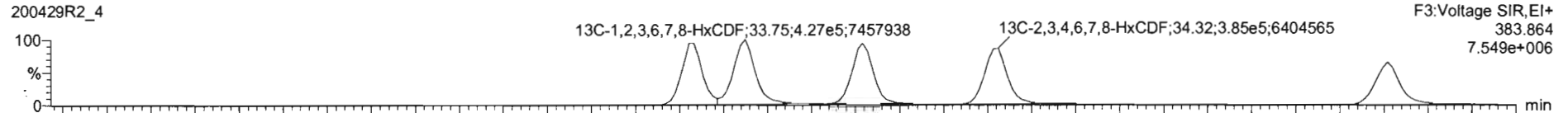
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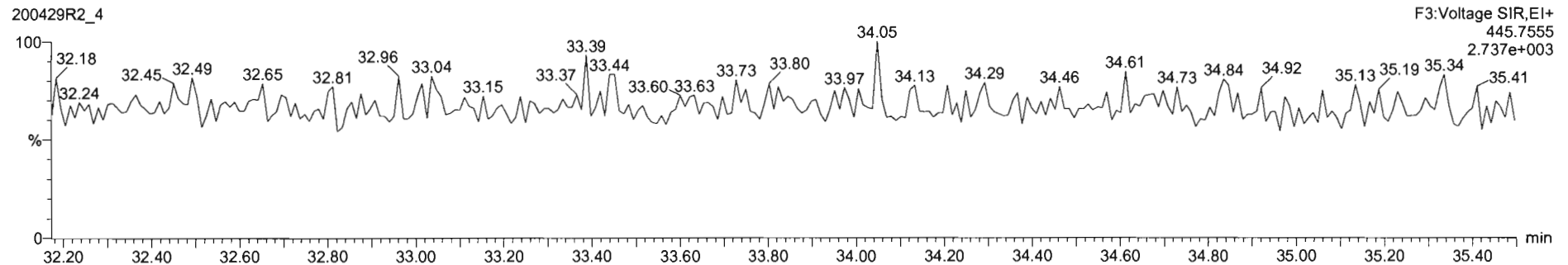
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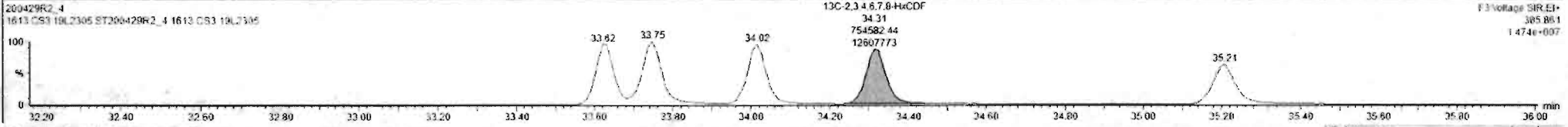
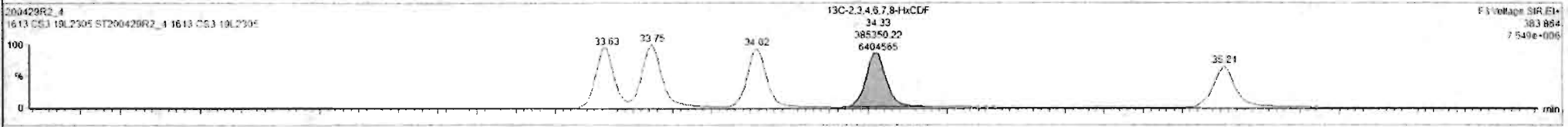
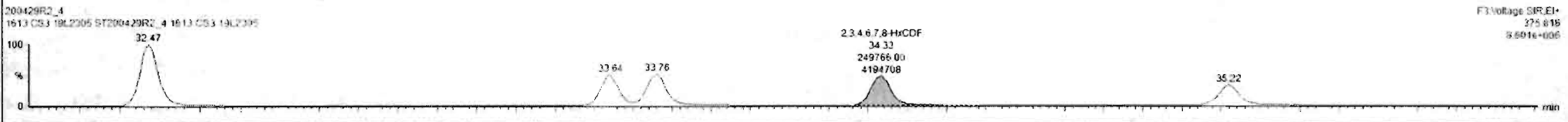
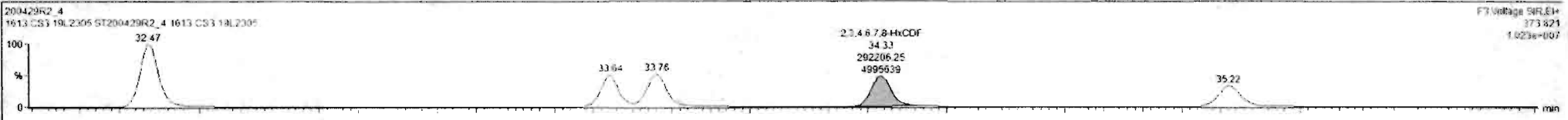
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DPE3

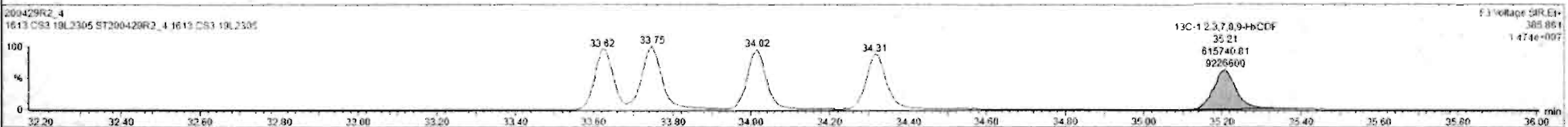
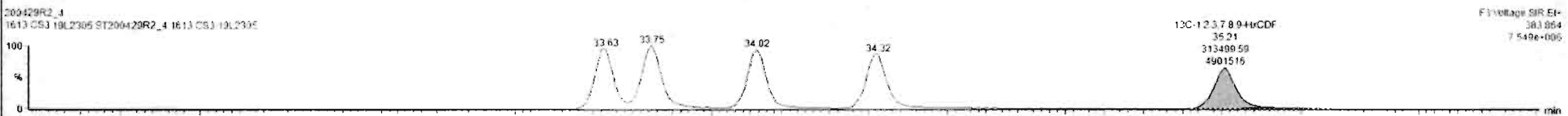
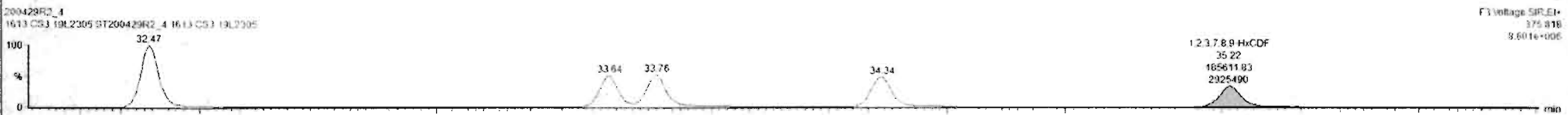
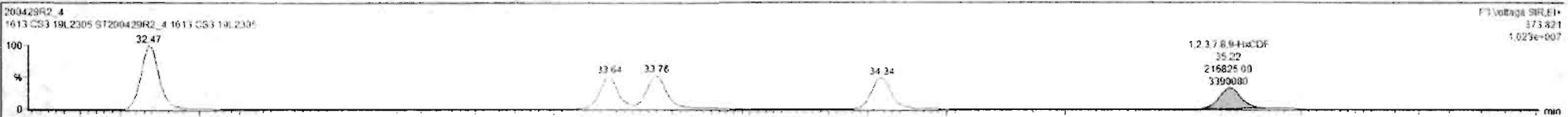


#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%PSD	RRF M.L.	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e5	10.000	0.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4850e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8907e5	1.0790e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.219	NO	4.1946e5	9.5281e5	50.000	-1.8	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.36	0.988	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.089	NO	3.4785e5	1.0762e5	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.90	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1230e6	50.000	1.1	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0652
13	2,3,4,6,7,8-HxCDF	34.33	1.171	NO	5.4192e5	1.1399e6	50.000	3.2	7.89	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.7924e5	50.000	0.7	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	6.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1832e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3188e6	100.000	1.3	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.8	1.35	0.647	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.2678e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.202	NO	4.8027e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	24.98	1.219	NO	4.1546e5	9.3381e5	50.000	-1.5	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.38	0.988	NO	2.0768e5	6.7896e5	50.000	1.0	6.92	0.858	0.0622
7	OCDD	41.25	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.613	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4165e5	1.6682e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.6312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.23	1.170	NO	5.4197e5	1.1394e6	50.000	3.1	7.69	0.902	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.164	NO	4.6244e5	9.2024e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7234e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5973e5	5.1182e5	50.000	0.3	6.82	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.1650e5	1.3198e6	100.000	1.5	7.16	0.802	0.0575



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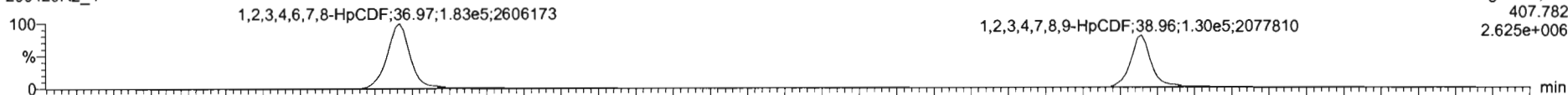
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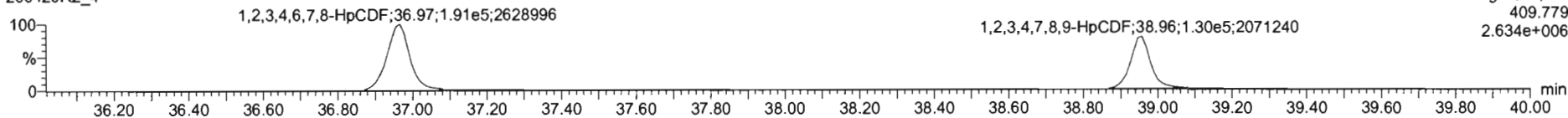
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200429R2_4



200429R2_4

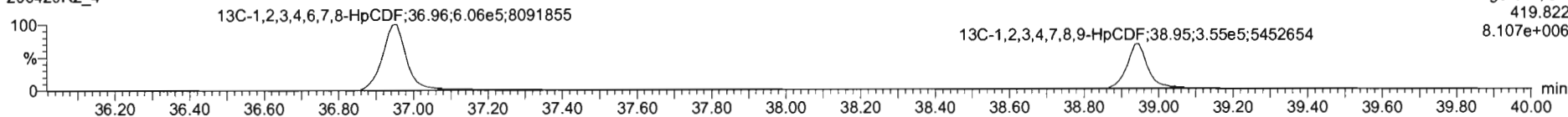


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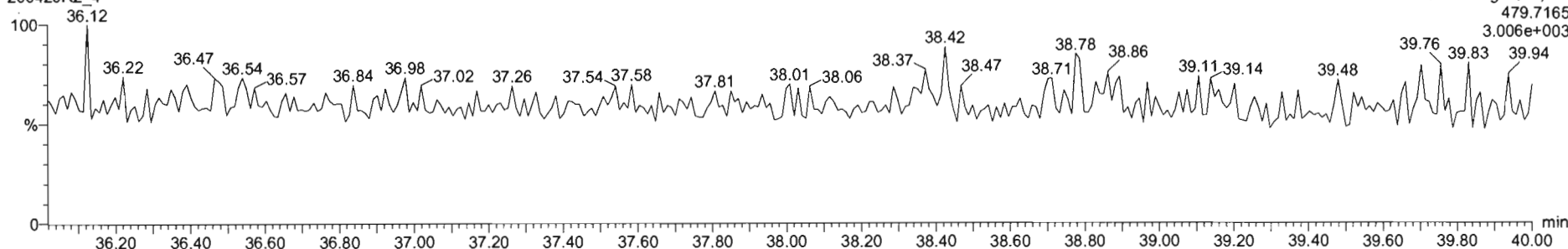


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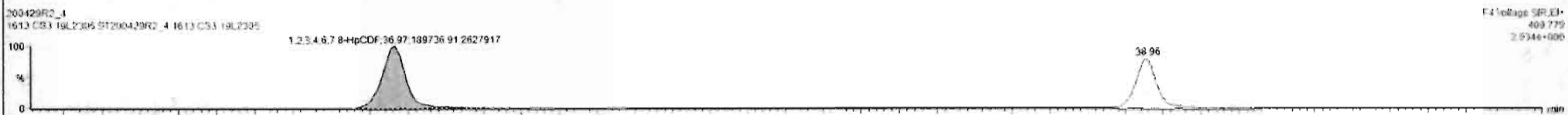


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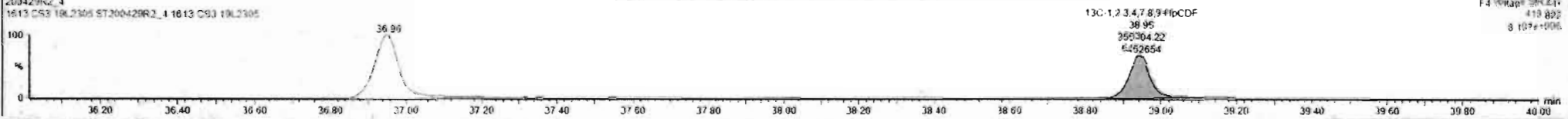
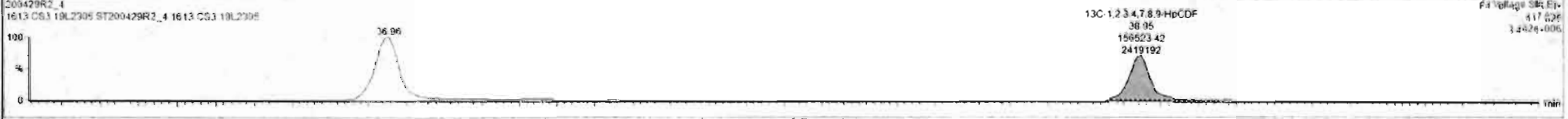
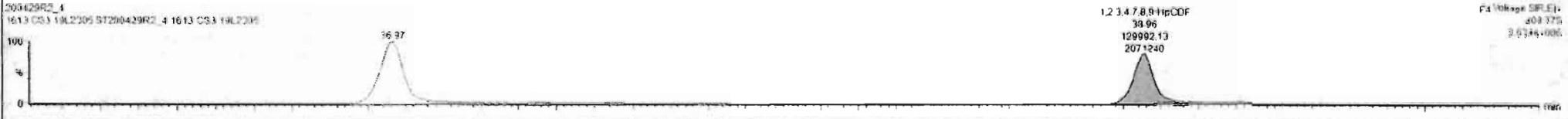
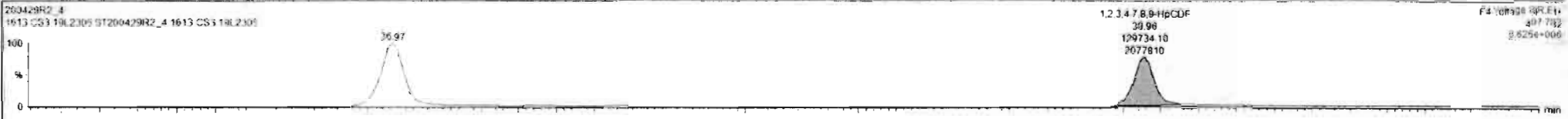
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#	s	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4820e6	10.000	0.8	5.25	0.947	0.0507
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4160e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8927e5	1.6796e6	50.000	-0.9	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.88	1.238	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	36.36	0.988	NO	3.0769e5	6.7896e5	50.000	1.0	6.90	0.856	0.0622
7	7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.8	7.57	0.933	0.0767
8	8	1,2,3,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4565e5	1.6562e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.558	NO	8.7458e5	1.6179e6	50.000	-0.4	4.98	0.966	0.0461
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	13	1,2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4191e5	1.1799e6	50.000	3.2	7.69	0.922	0.0709
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.87	0.862	NO	3.7234e5	6.6465e5	50.000	-1.2	7.54	0.871	0.0657
16	16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5673e5	5.1182e5	50.000	0.3	6.62	1.01	0.0670
17	17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e5	10.000	0.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0562
5	1,2,3,7,8,9-HxCDD	34.68	1.213	NO	4.1946e5	9.3815e5	50.000	-1.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	0.988	NO	3.0765e5	6.7896e5	50.000	1.0	8.93	0.896	0.0622
7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,2,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.6581e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.968	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2E11e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1999e6	50.000	3.2	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7274e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.7639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575

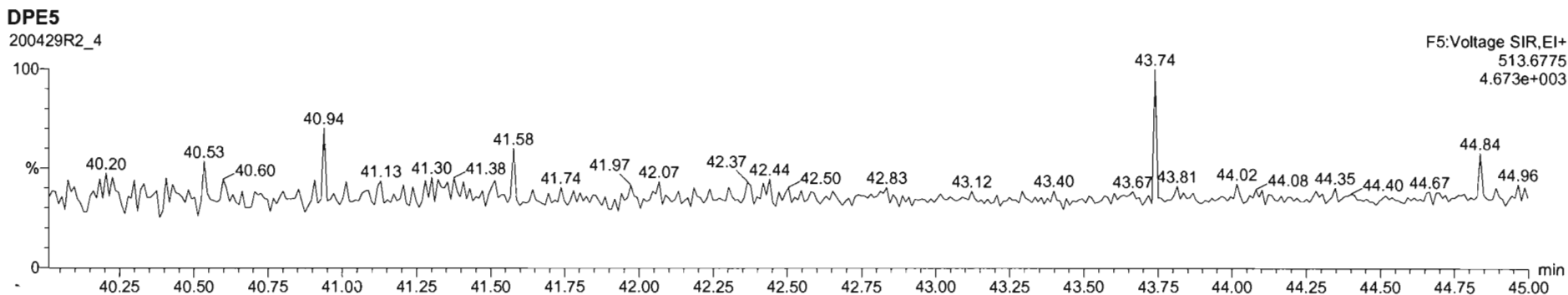
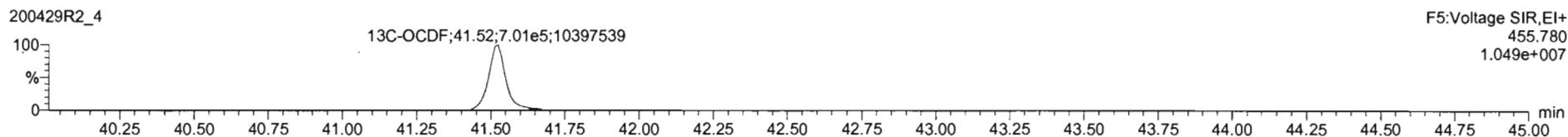
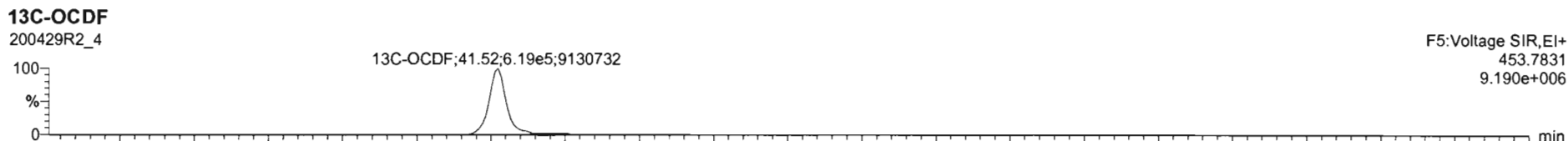
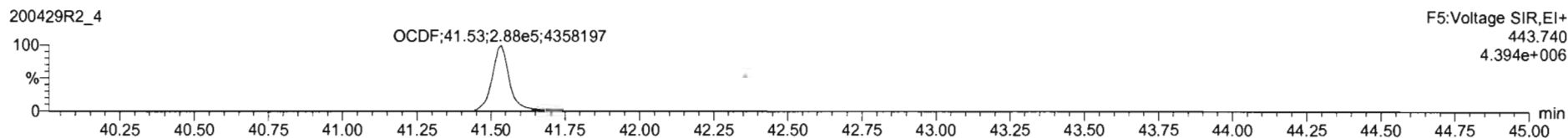
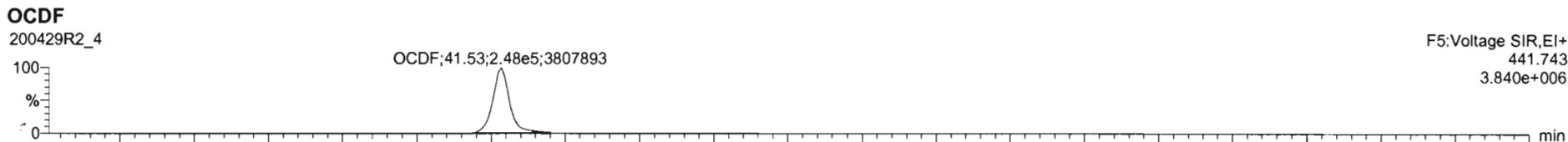


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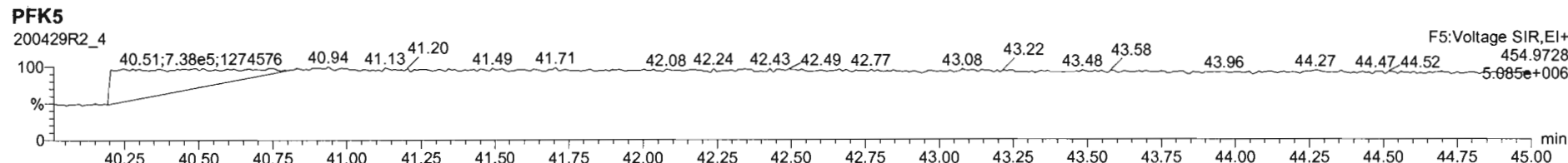
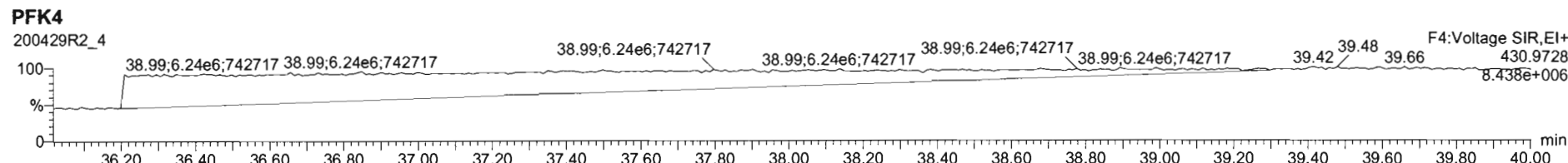
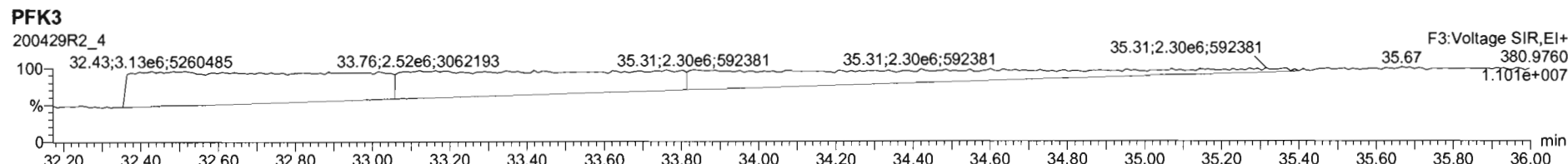
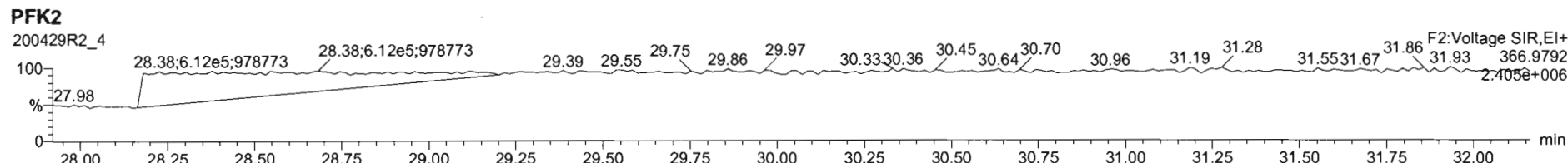
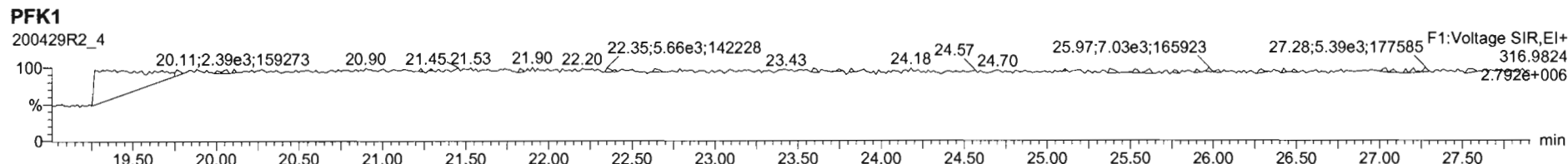
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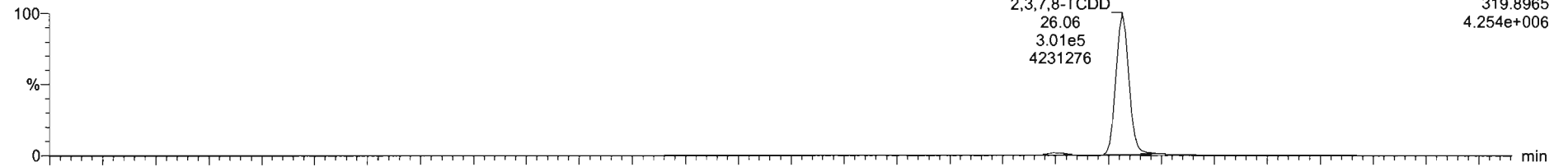
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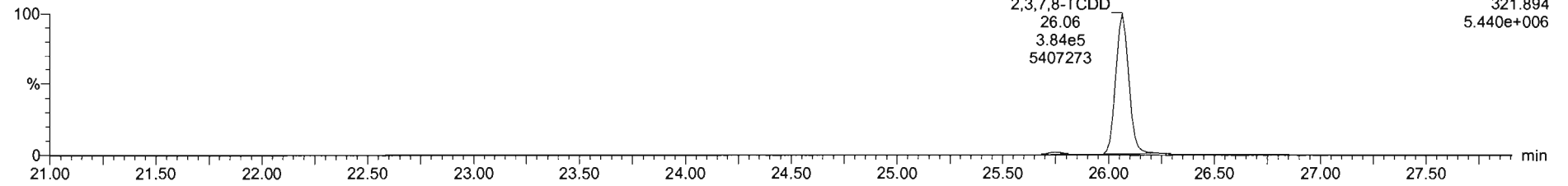
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2,3,7,8-TCDD

200429R2_5

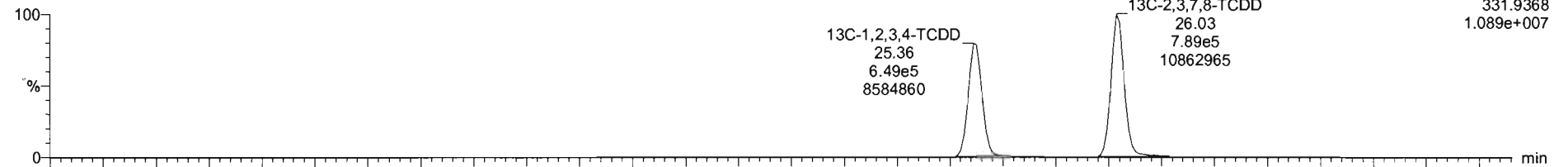


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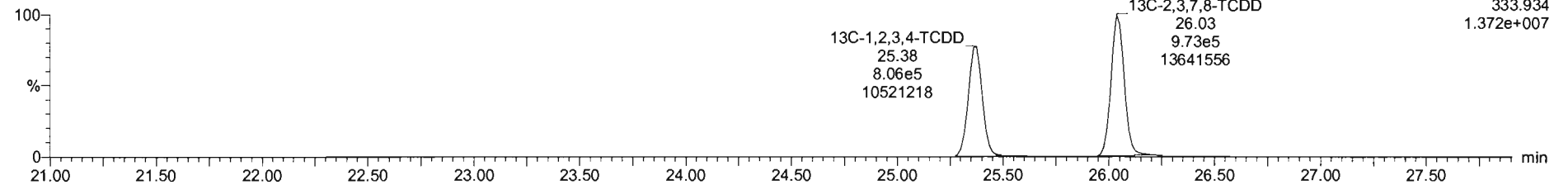


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200429R2_5



200429R2_5



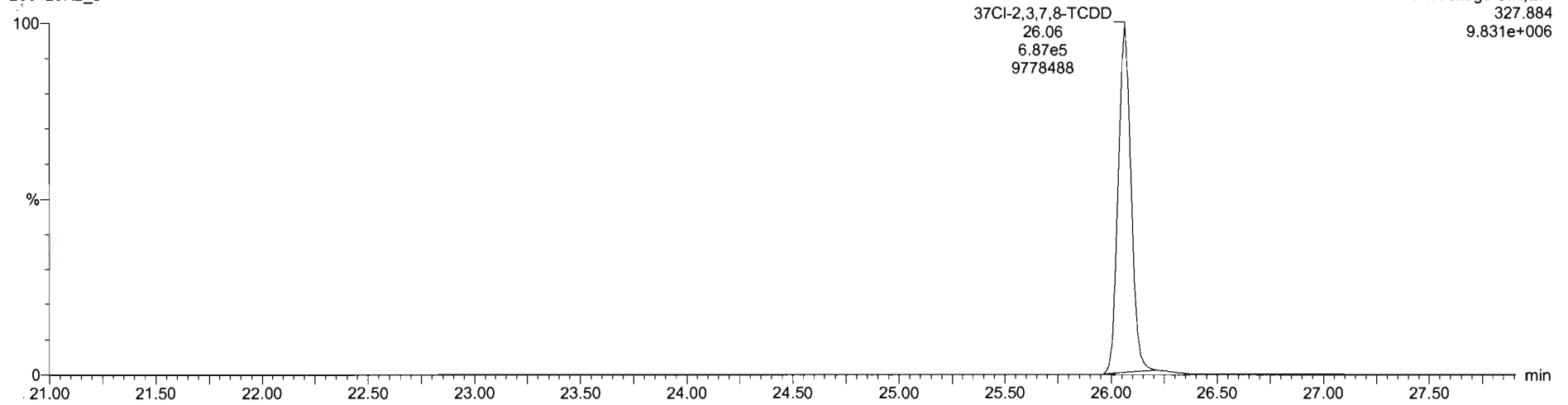
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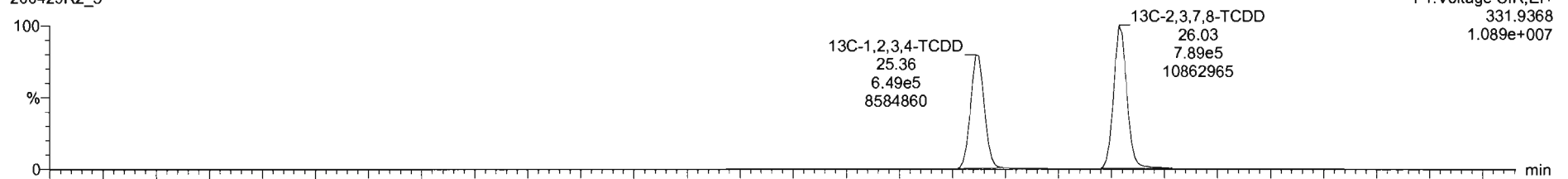
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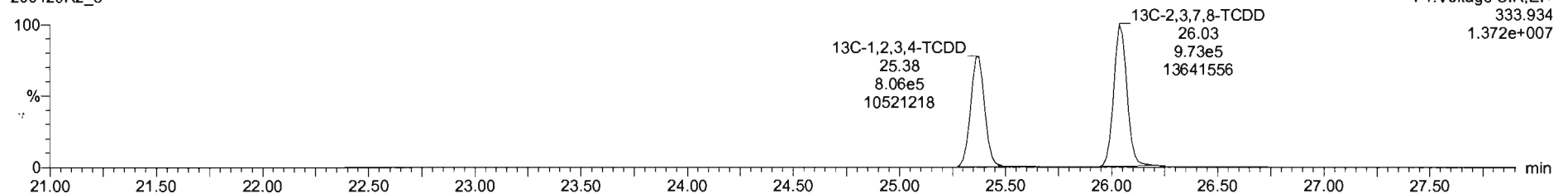


13C-1,2,3,4-TCDD

200429R2_5



200429R2_5



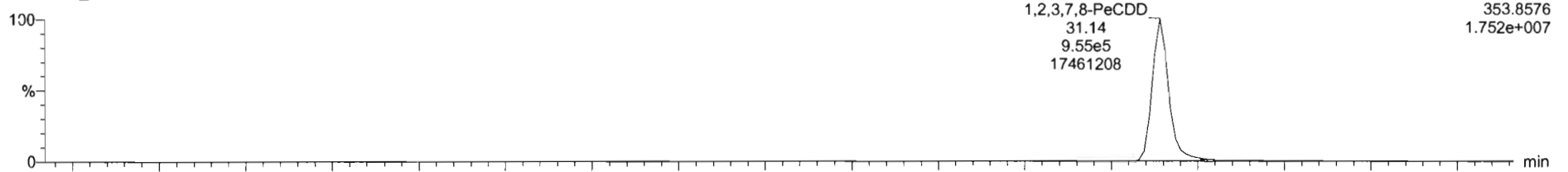
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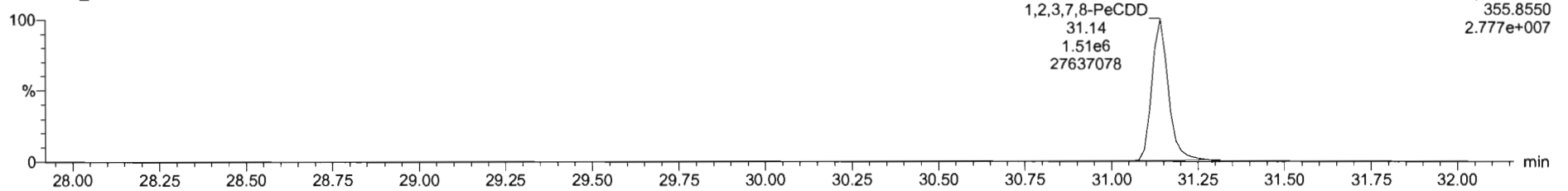
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1,2,3,7,8-PeCDD

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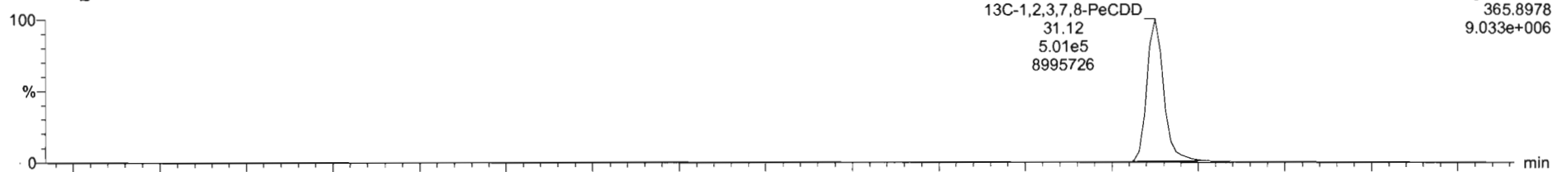


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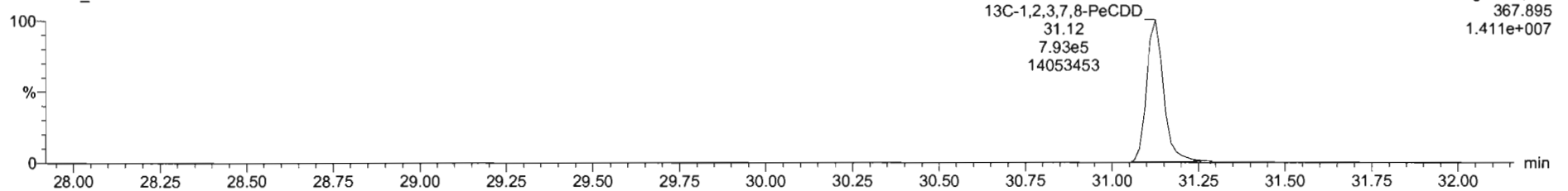


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200429R2_5



200429R2_5



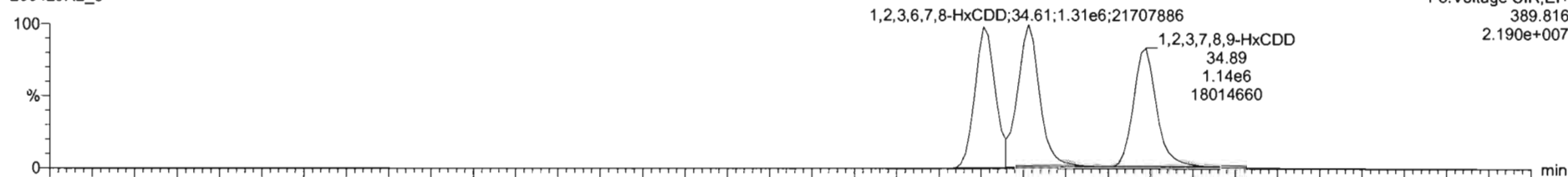
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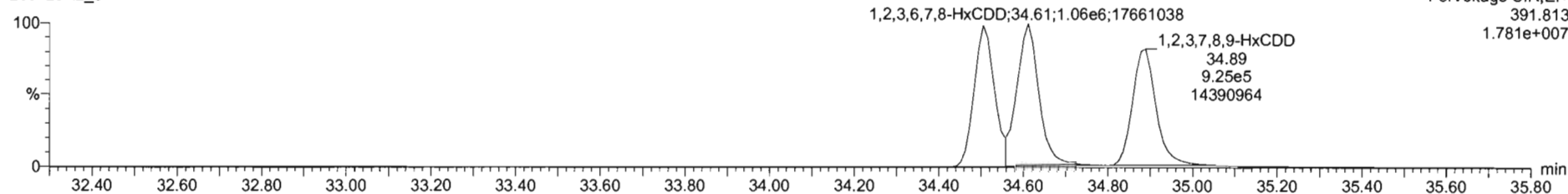
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2.190e+007

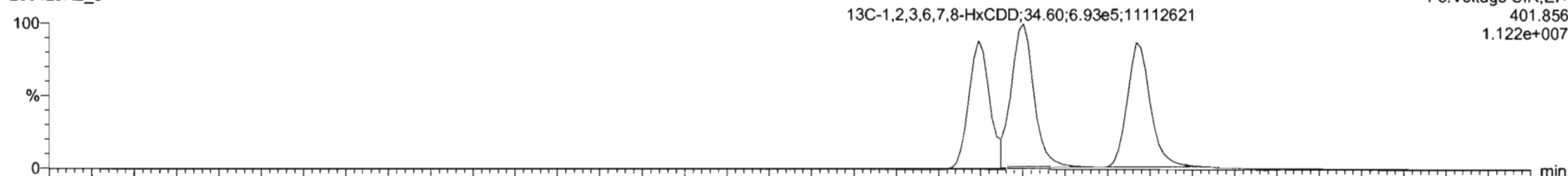
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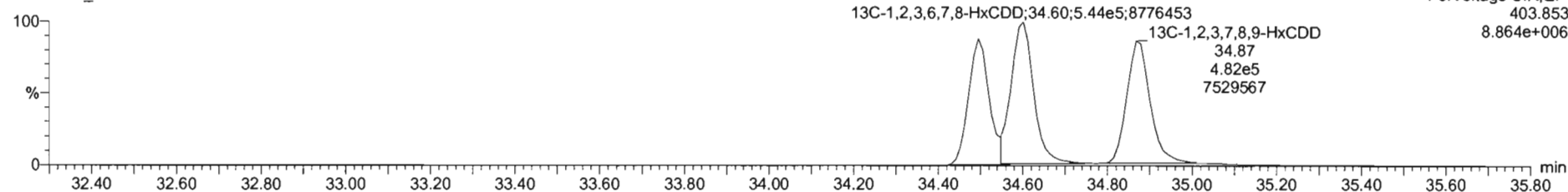
13C-1,2,3,4,7,8-HxCDD

200429R2_5



F3:Voltage SIR,EI+
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200429R2_5



F3:Voltage SIR,EI+
403.853
8.864e+006

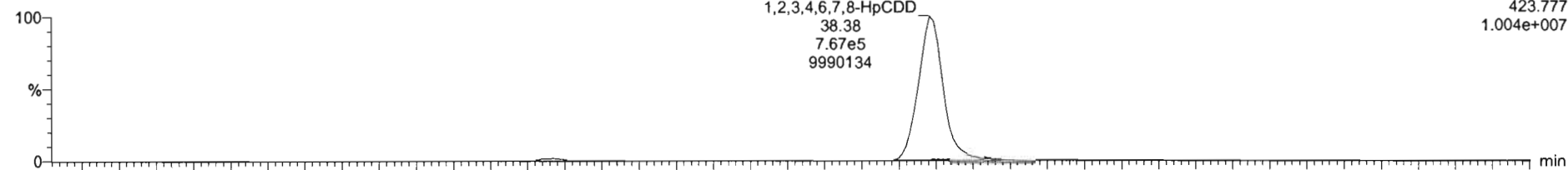
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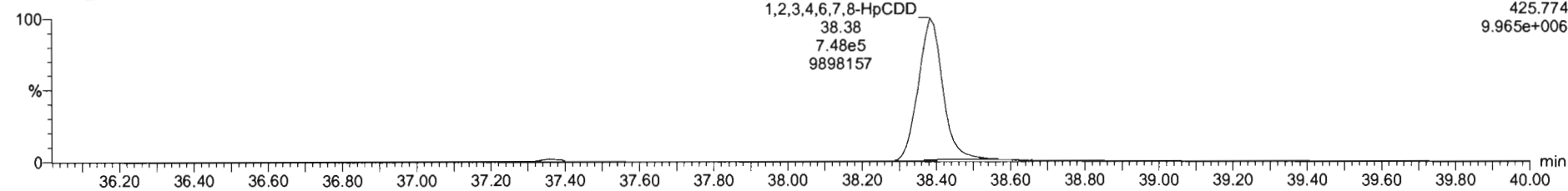
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1,2,3,4,6,7,8-HpCDD

200429R2_5

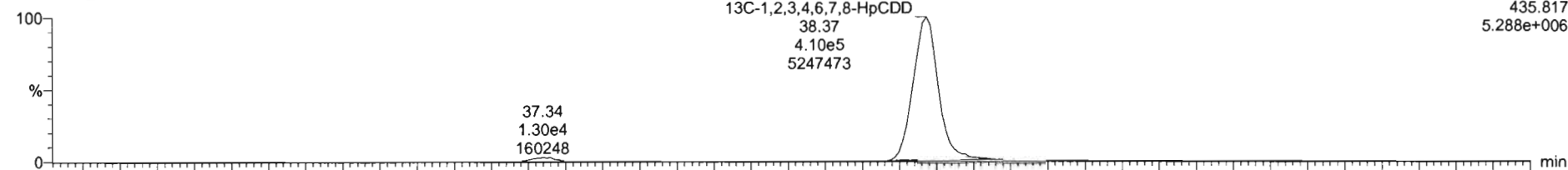


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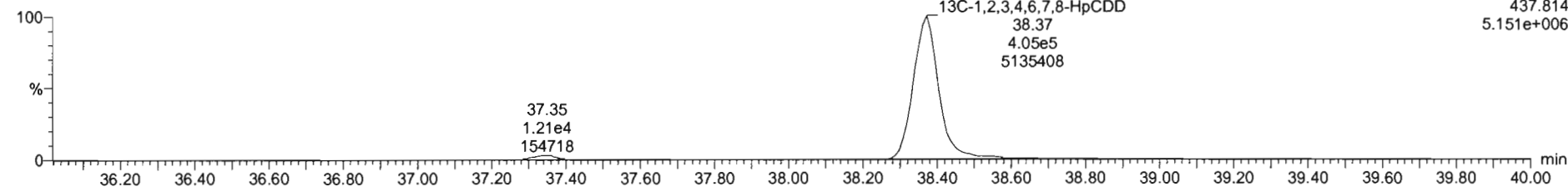


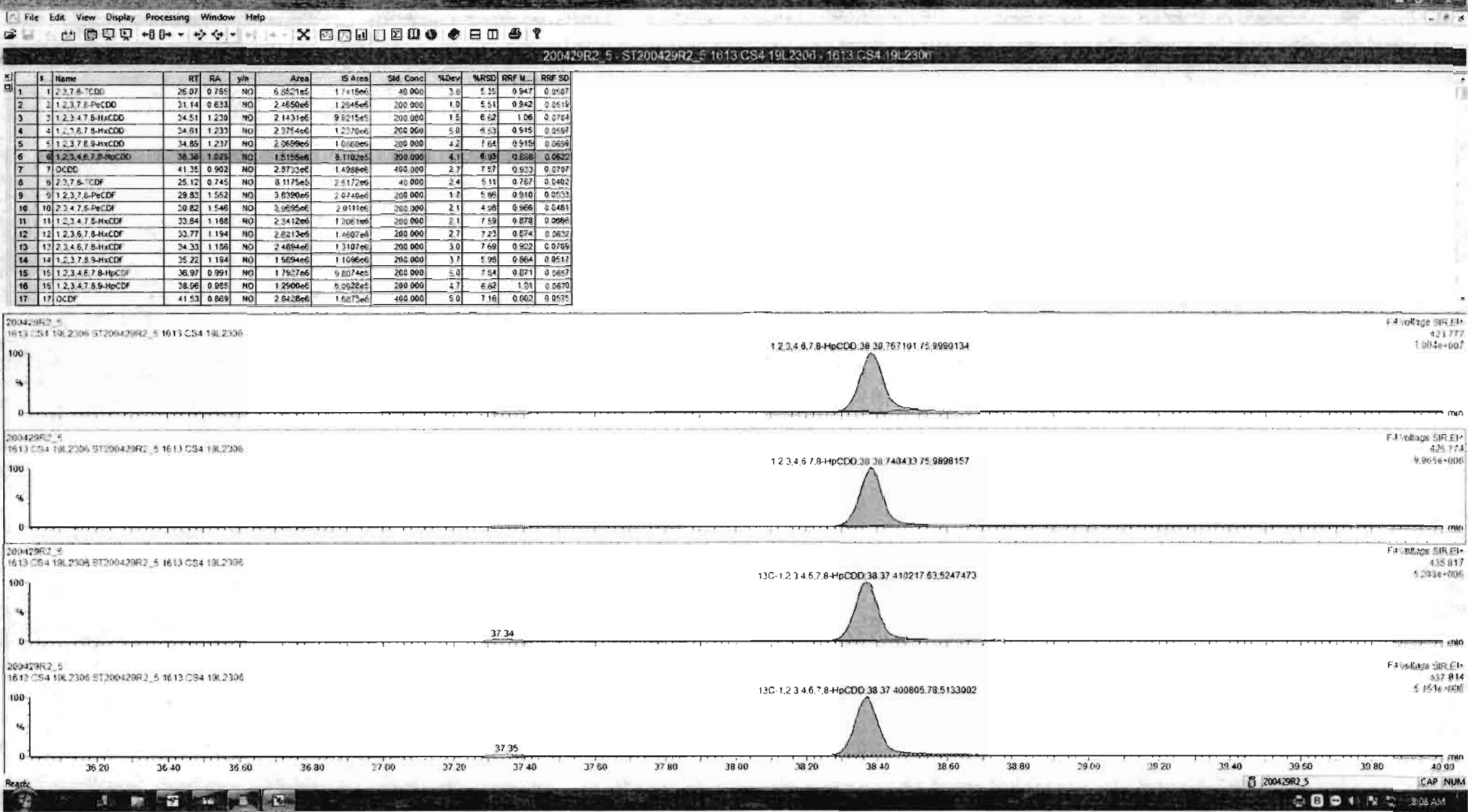
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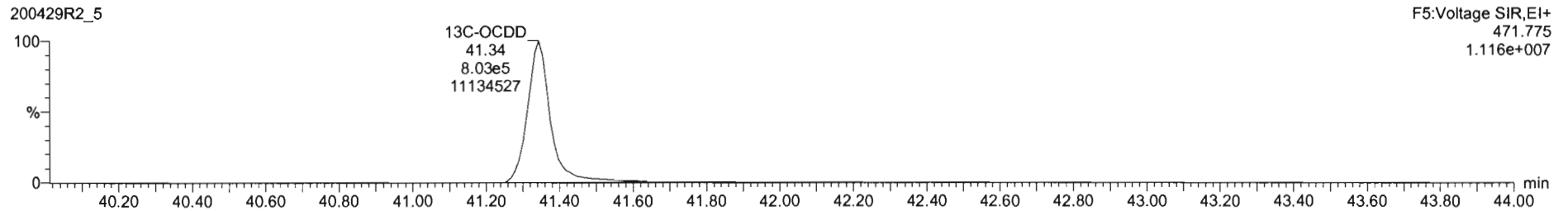
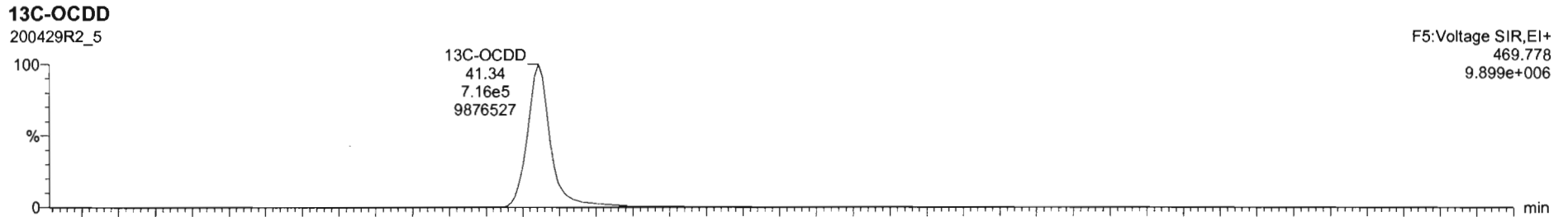
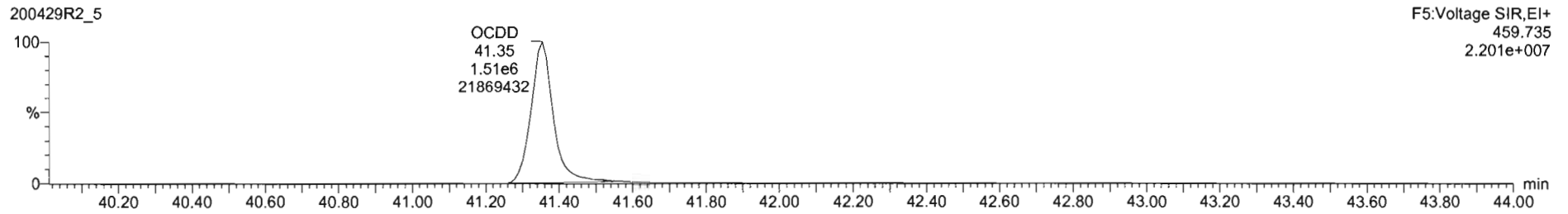
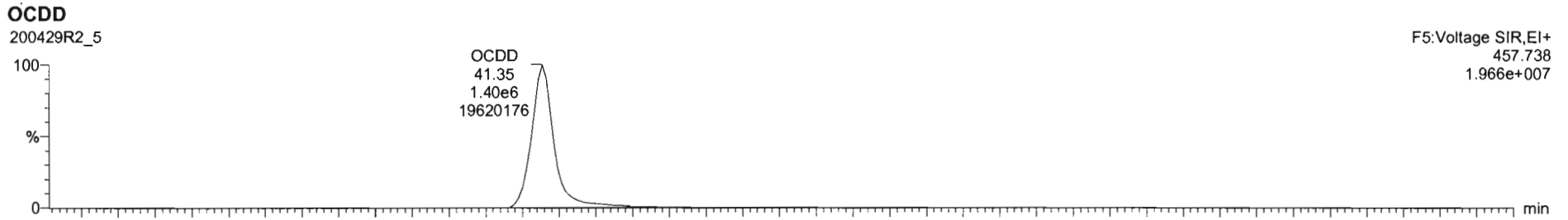




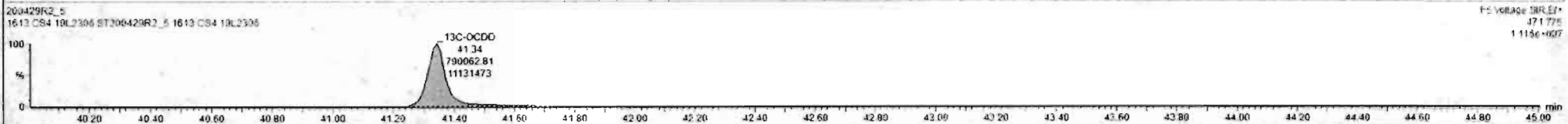
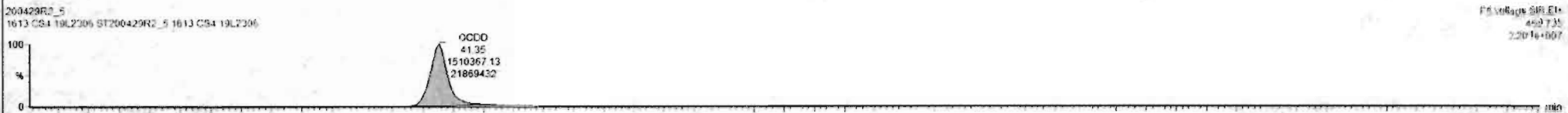
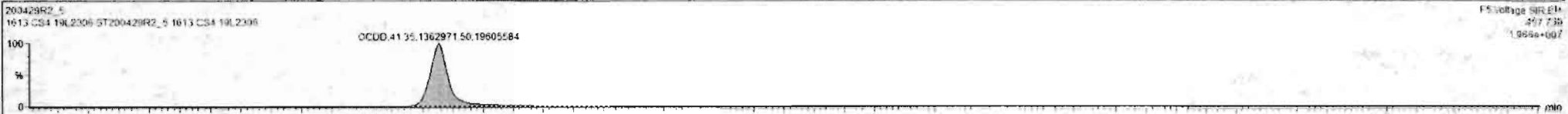
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#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	28.07	0.785	NO	6.6521e5	1.7418e6	40.000	2.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e5	1.2946e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.5215e5	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.81	1.233	NO	2.3754e6	1.2270e6	200.000	5.0	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.85	1.237	NO	2.0659e5	1.0860e5	200.000	4.2	7.64	0.915	0.0656
6	1,2,3,4,6,7,8-HpCDD	36.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	6.92	0.856	0.0520
7	OCDD	41.35	0.962	ND	2.8733e6	1.4889e6	400.000	2.7	7.57	0.833	0.0767
8	2,3,7,8-TCDF	25.12	0.745	NO	8.1175e5	2.5172e6	40.000	2.4	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.546	NO	3.9655e6	2.0111e6	200.000	2.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.158	NO	2.3412e6	1.3061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.186	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	1.9654e6	1.1056e6	200.000	3.7	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7927e6	9.8074e5	200.000	5.0	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.965	NO	1.2500e5	6.9528e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6673e6	400.000	5.0	7.16	0.802	0.0575



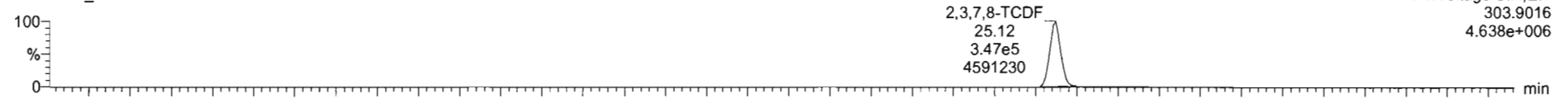
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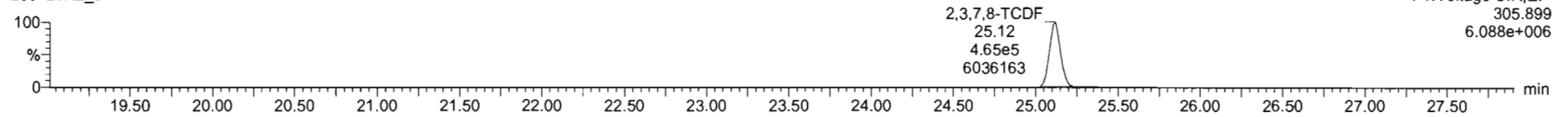
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2,3,7,8-TCDF

200429R2_5

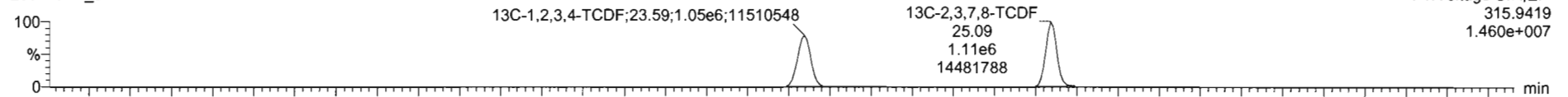


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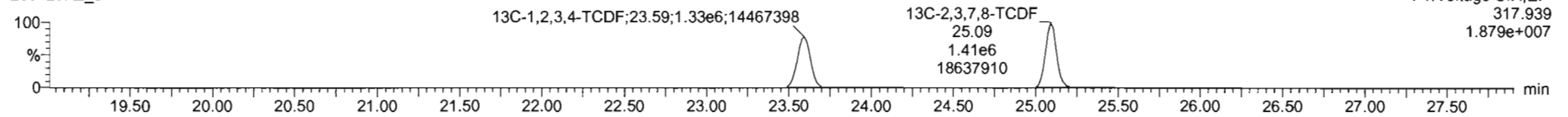


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200429R2_5

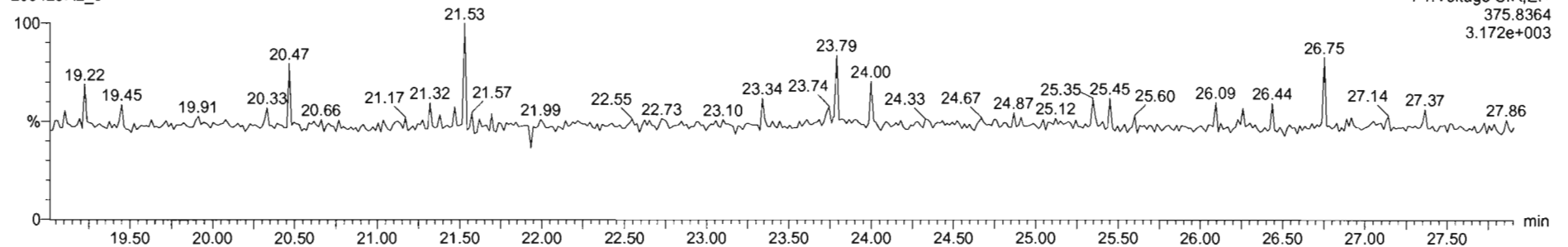


200429R2_5



DPE1

200429R2_5



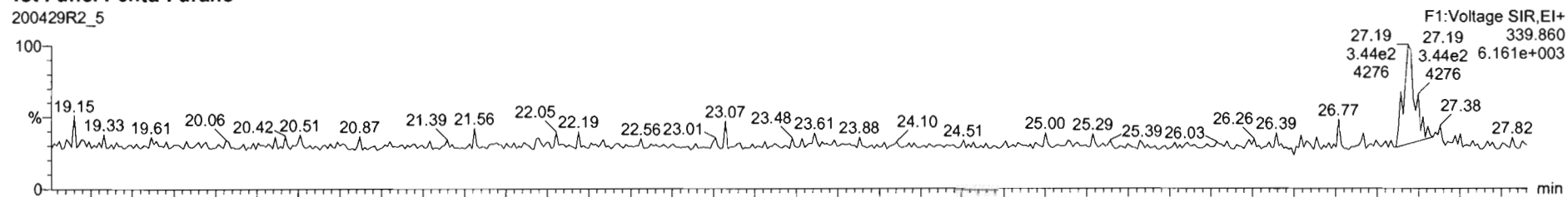
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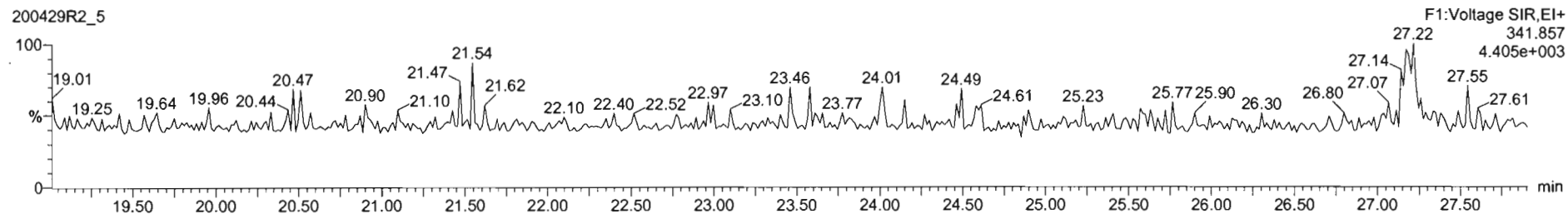
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200429R2_5

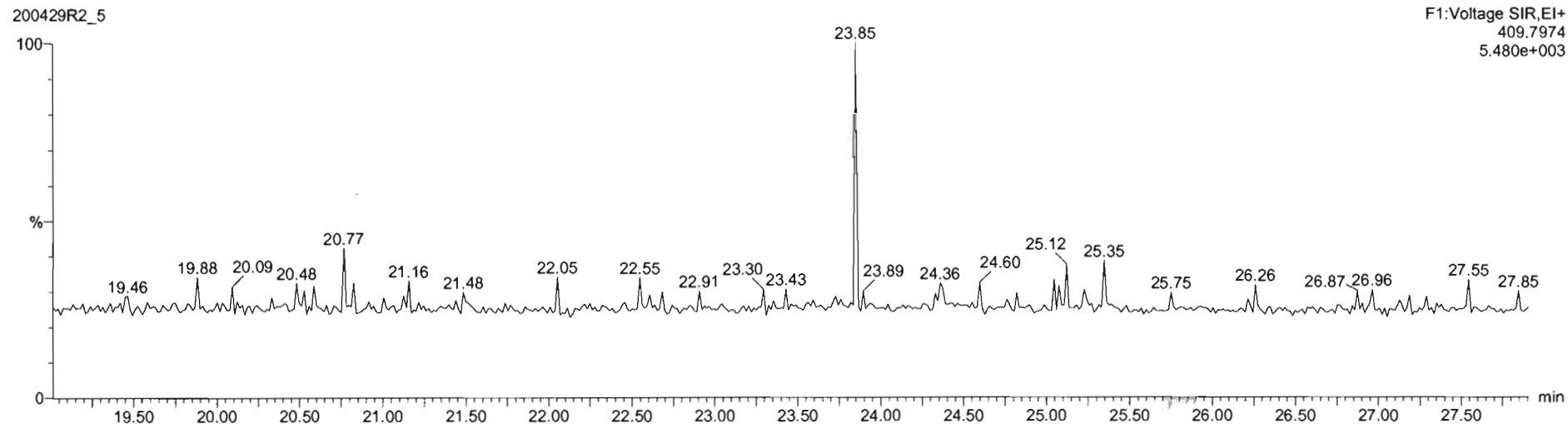


200429R2_5



DPE6

200429R2_5



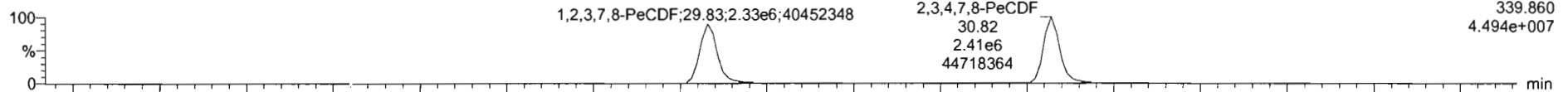
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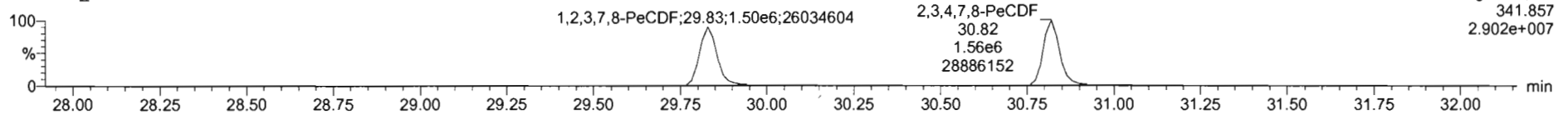
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1,2,3,7,8-PeCDF

200429R2_5

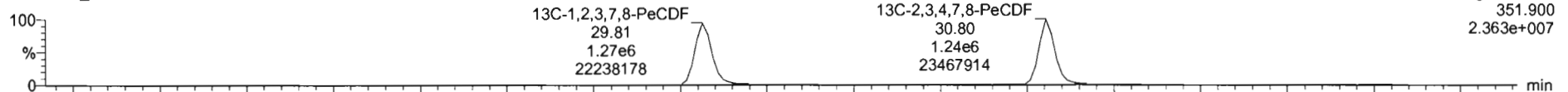


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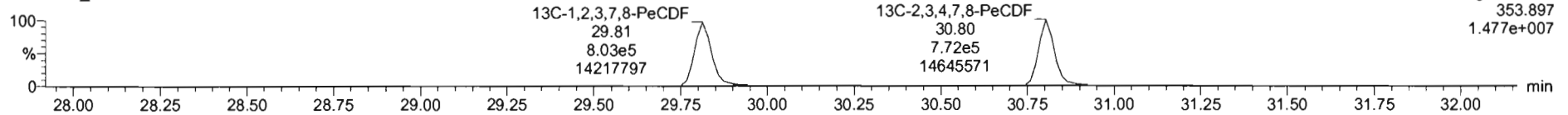


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200429R2_5

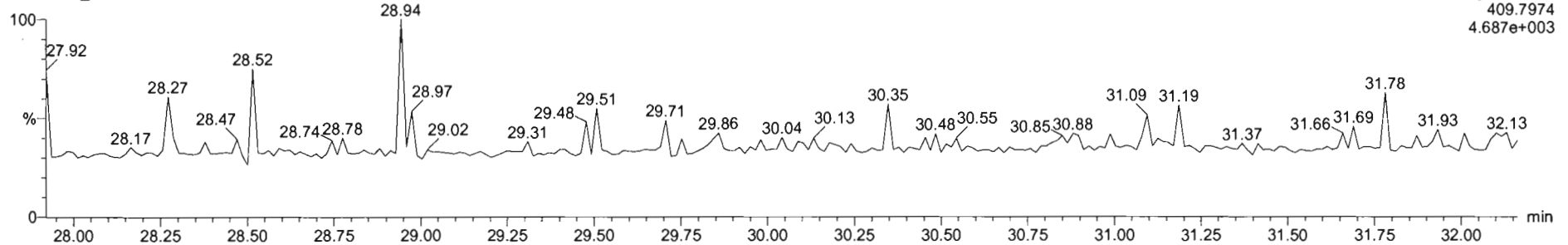


200429R2_5



DPE2

200429R2_5



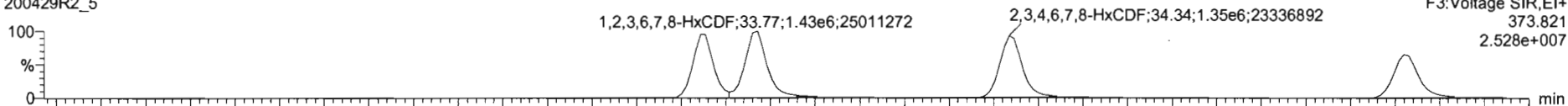
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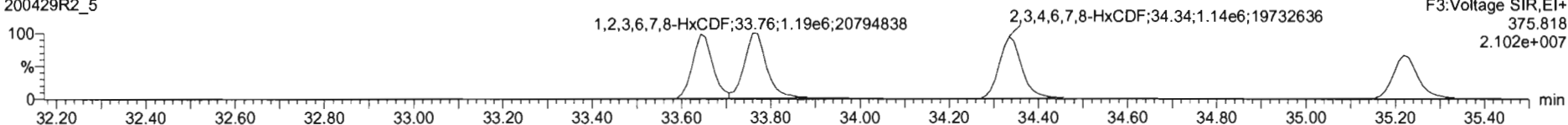
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1,2,3,4,7,8-HxCDF

200429R2_5

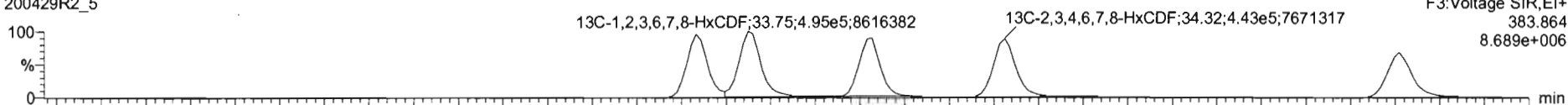


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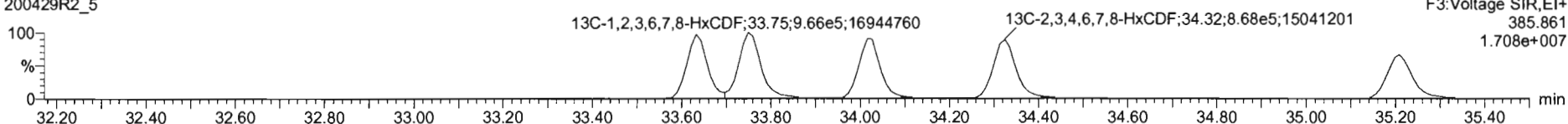


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200429R2_5

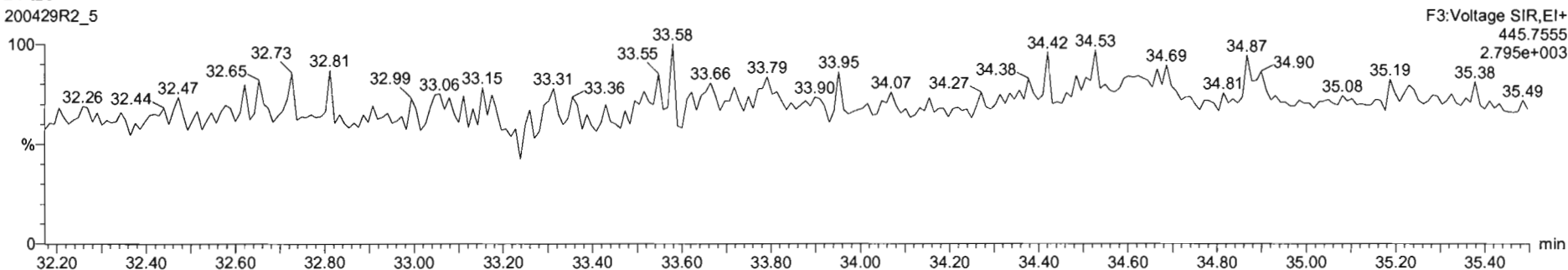


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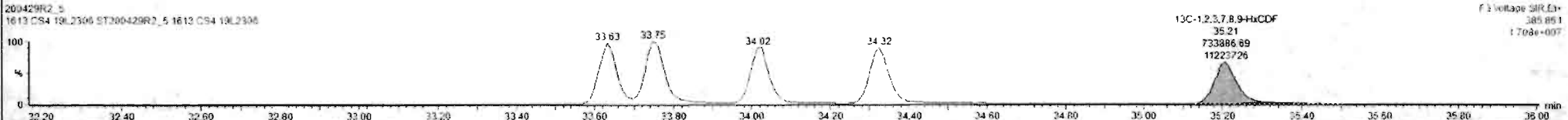
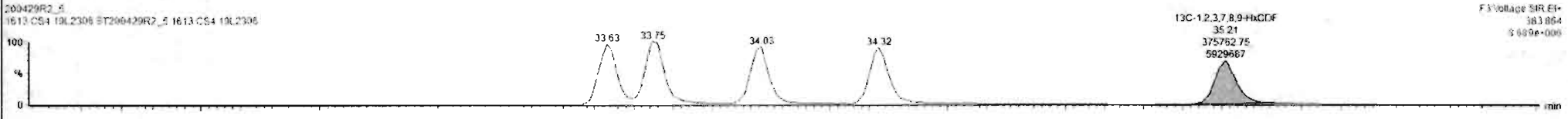
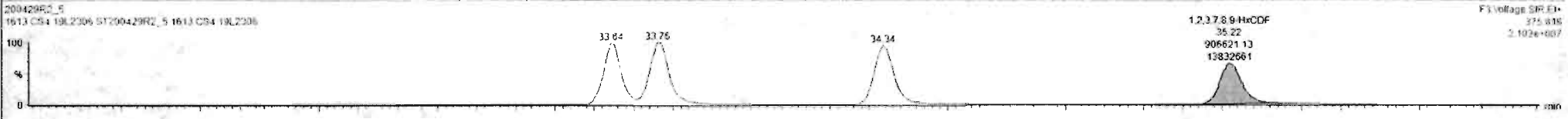
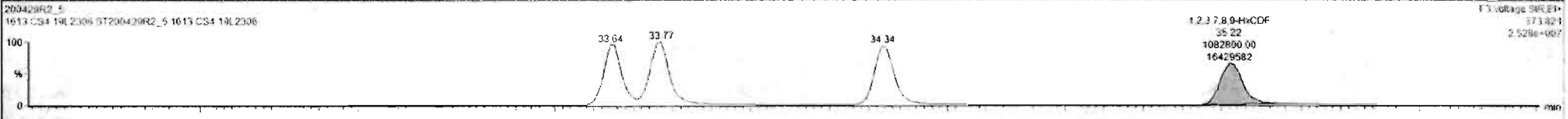


DPE3

200429R2_5



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
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2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e6	1.2646e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.9215e5	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.61	1.233	NO	2.3754e6	1.2370e6	200.000	5.0	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.69	1.237	NO	2.0699e6	1.0860e6	200.000	4.2	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	8.93	0.896	0.0622
7	OCDD	41.35	0.902	NO	2.8733e6	1.4988e6	400.000	2.7	7.57	0.933	0.0767
8	2,3,7,8-TCDF	25.12	0.745	NO	3.1175e5	2.5172e5	40.000	2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0523
10	2,3,4,7,8-PeCDF	30.82	1.546	NO	3.9695e6	2.0111e6	200.000	2.1	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.188	NO	2.3412e6	1.2061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.196	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	1.9084e6	1.1096e6	200.000	3.7	5.38	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7937e6	9.8074e5	200.000	5.0	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.885	NO	1.2900e6	6.6628e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6675e6	400.000	5.0	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_5 CAP NUM

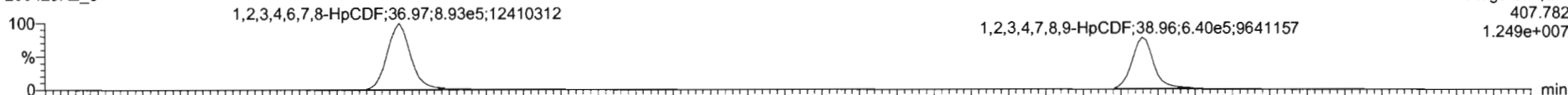
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

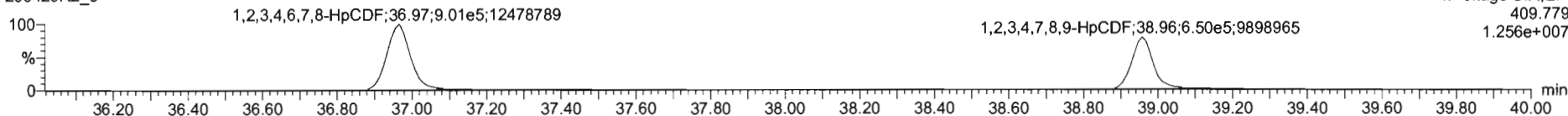
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1,2,3,4,6,7,8-HpCDF

200429R2_5

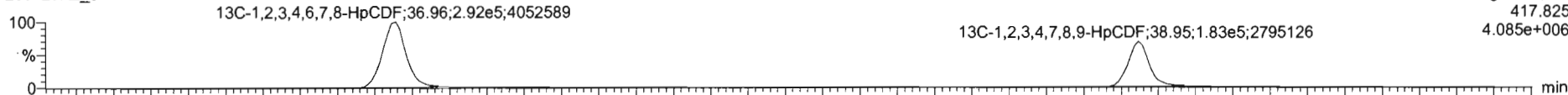


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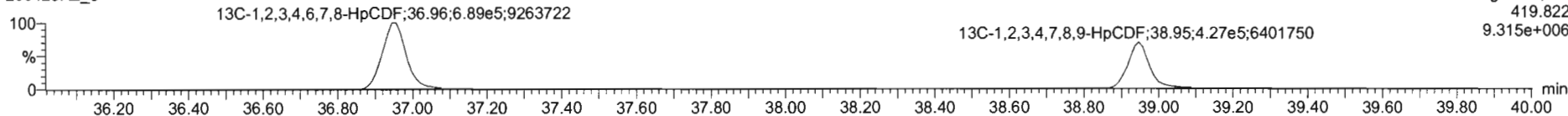


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200429R2_5

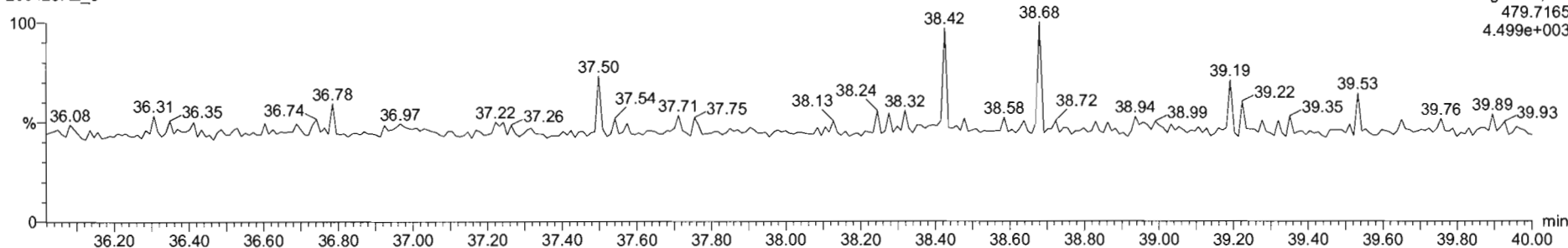


200429R2_5



DPE4

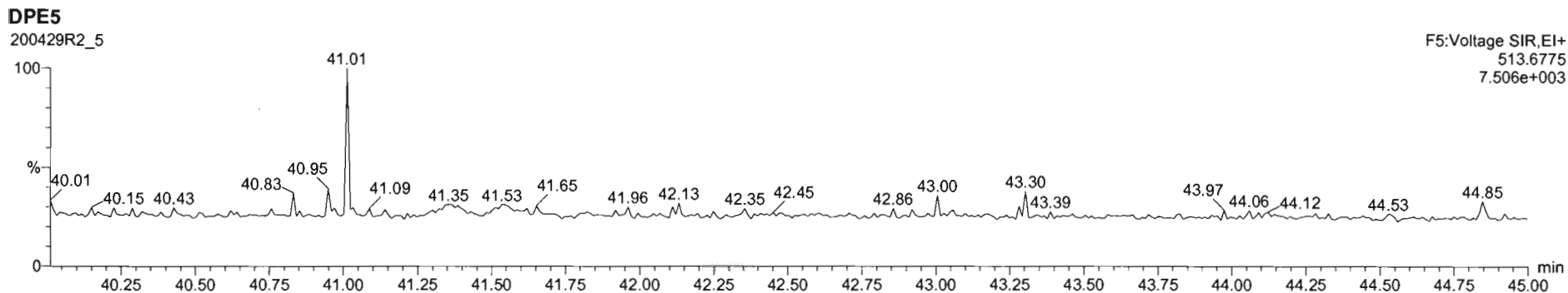
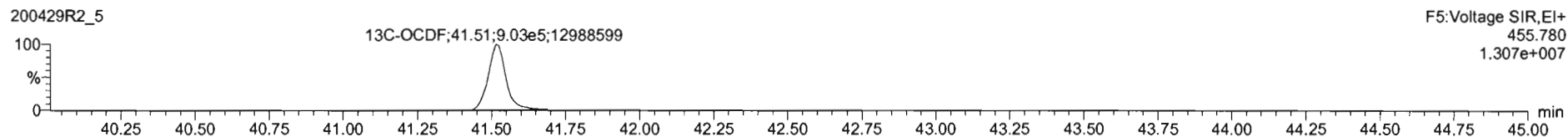
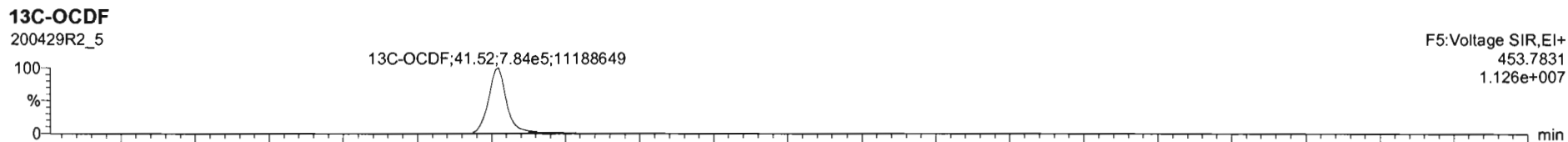
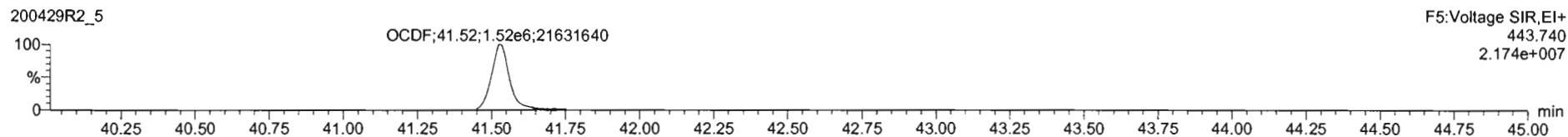
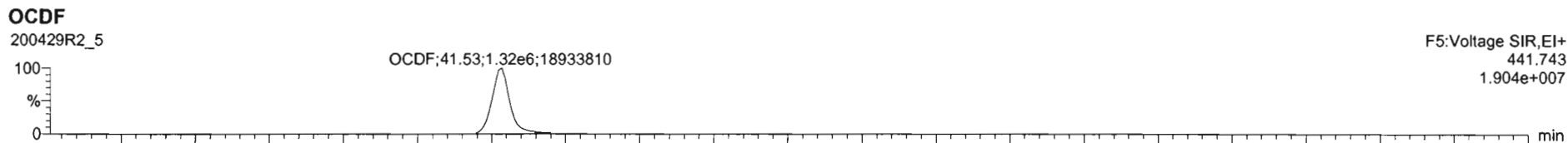
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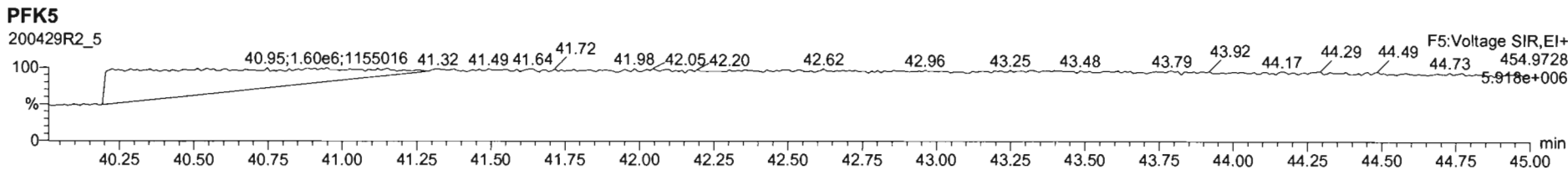
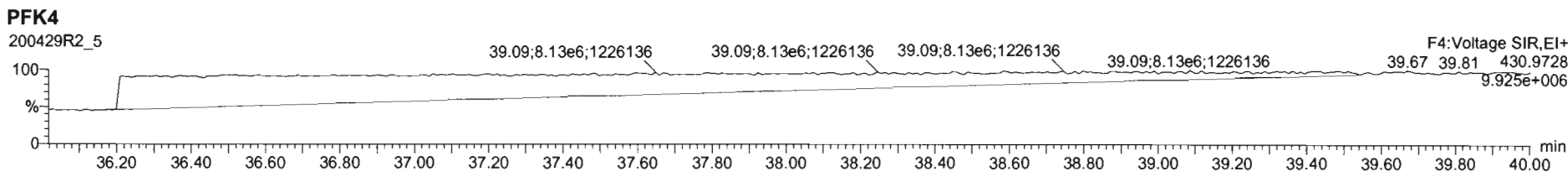
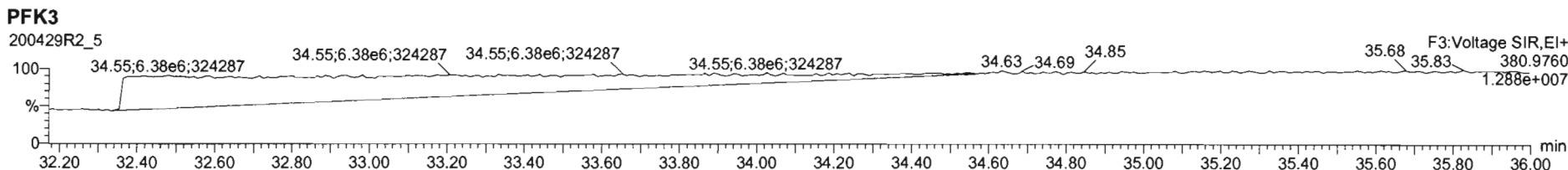
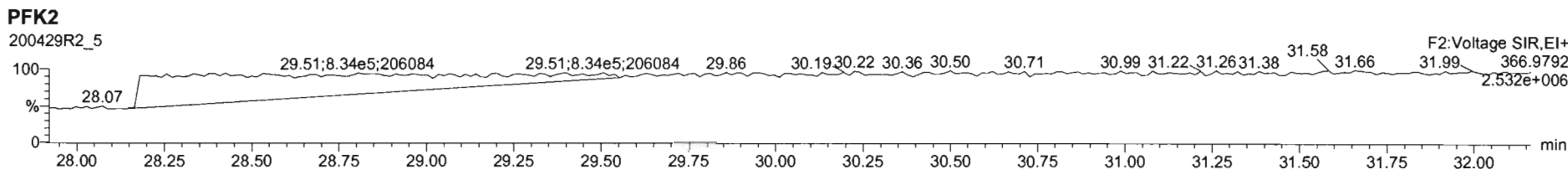
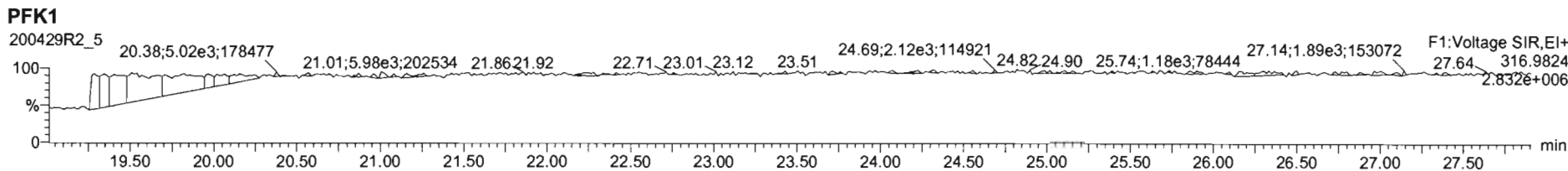


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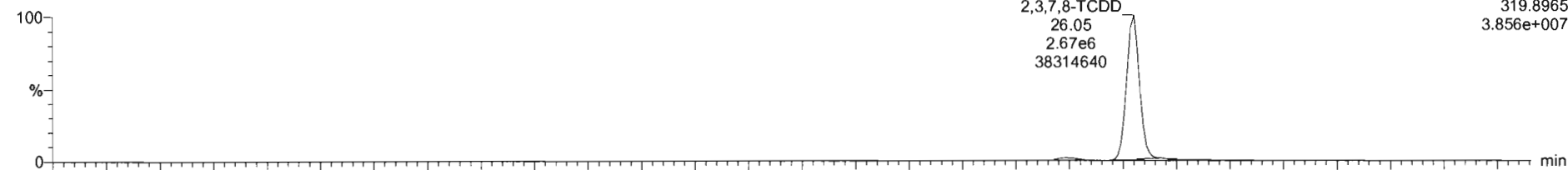
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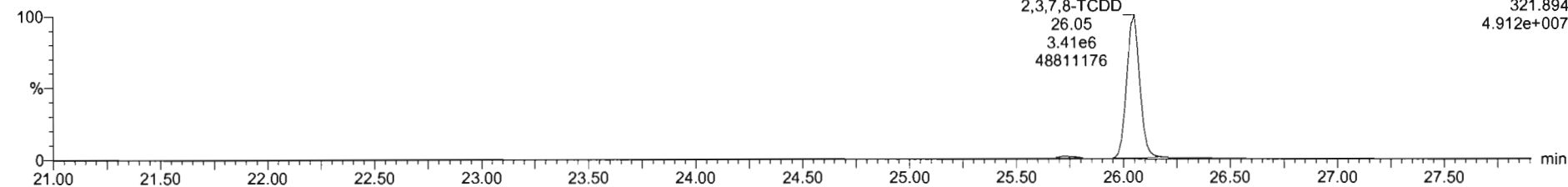
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2,3,7,8-TCDD

200429R2_6

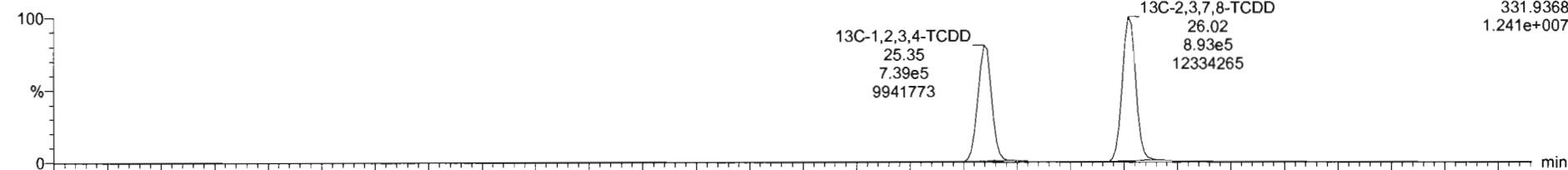


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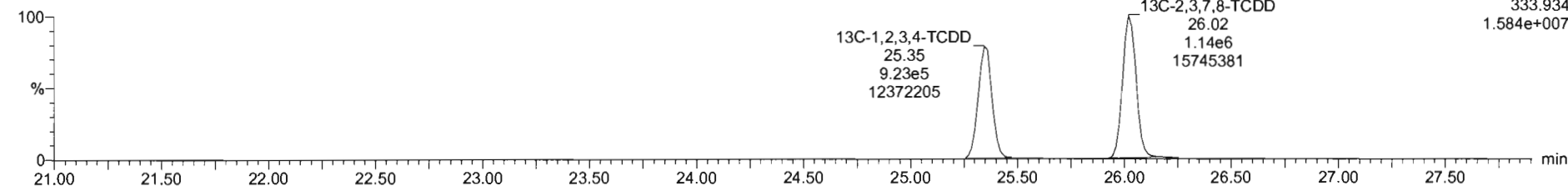


13C-2,3,7,8-TCDD

200429R2_6



200429R2_6



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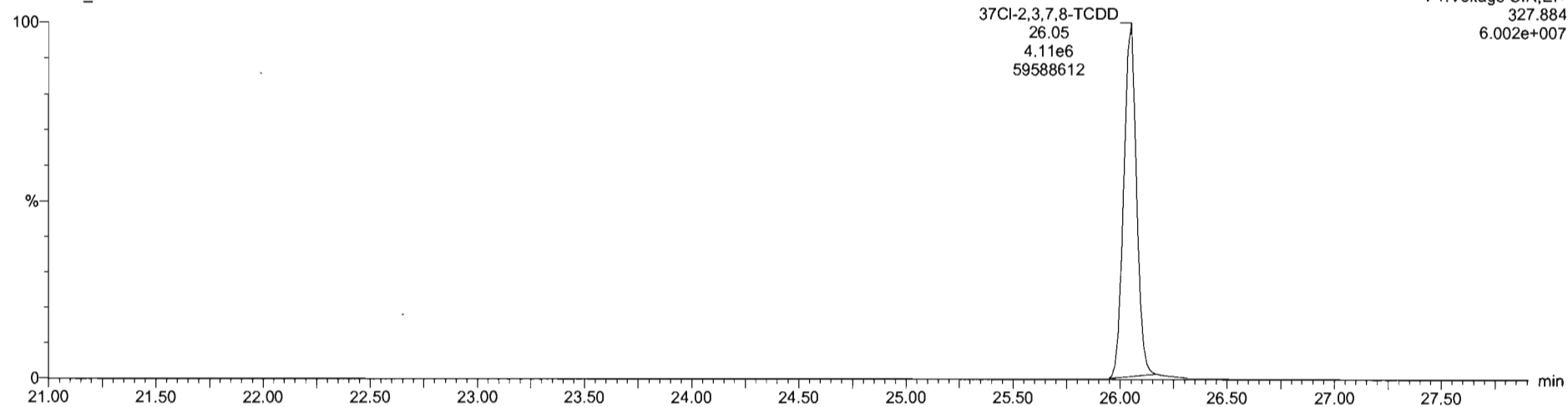
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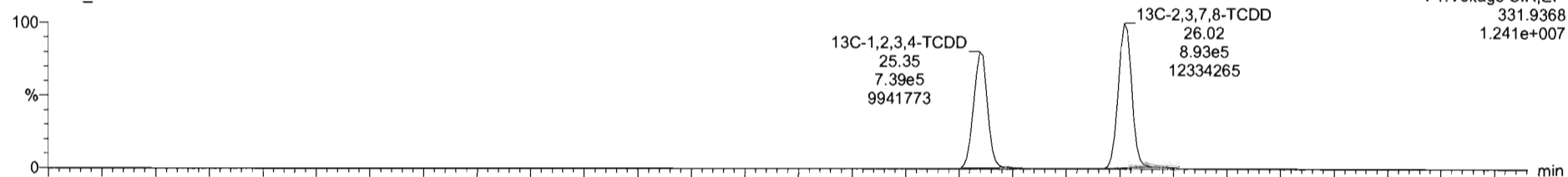
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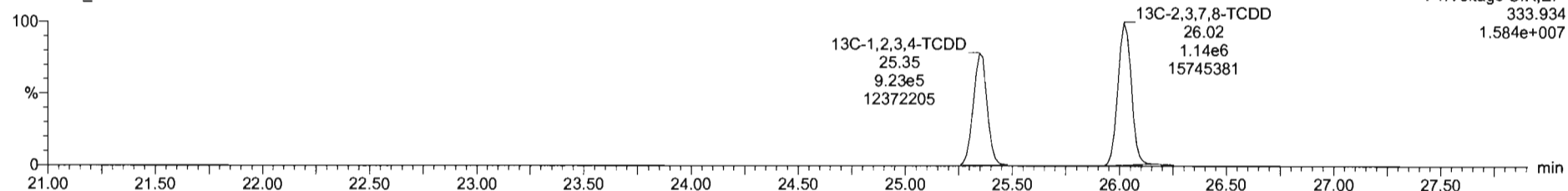


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200429R2_6



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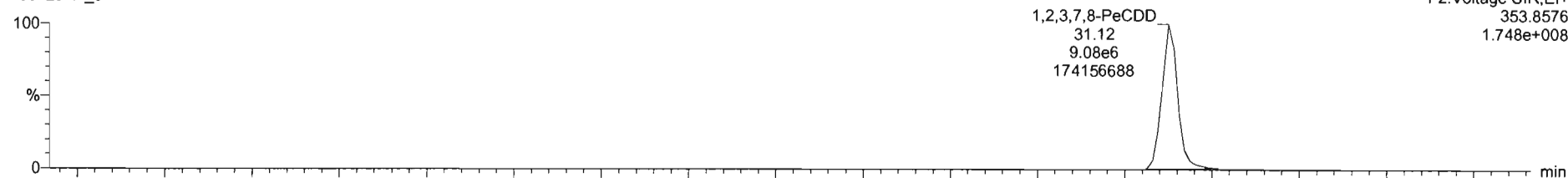
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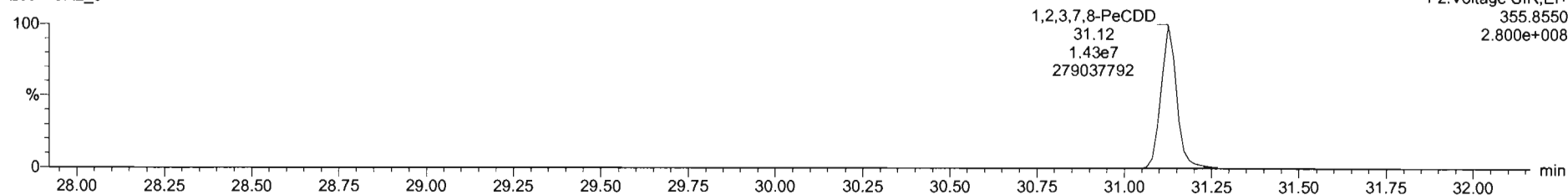
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1,2,3,7,8-PeCDD

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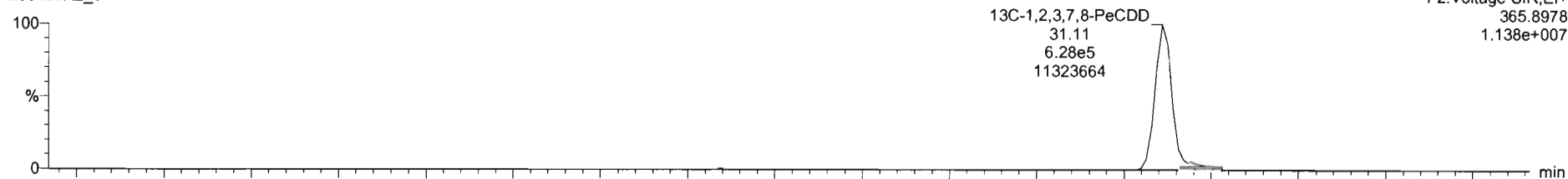


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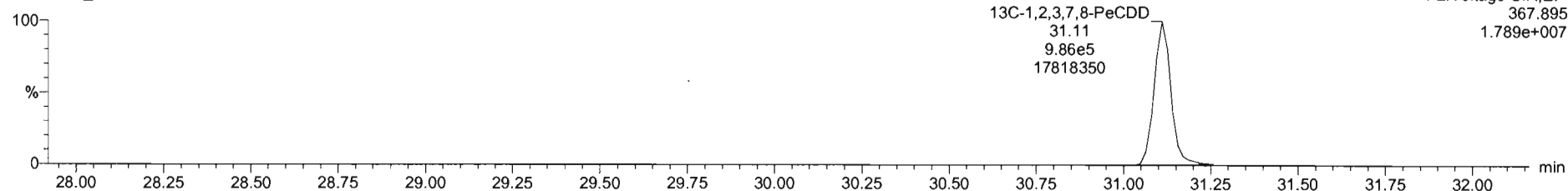


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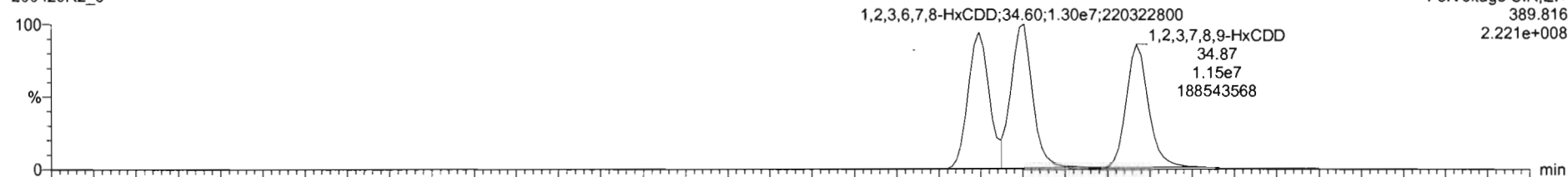
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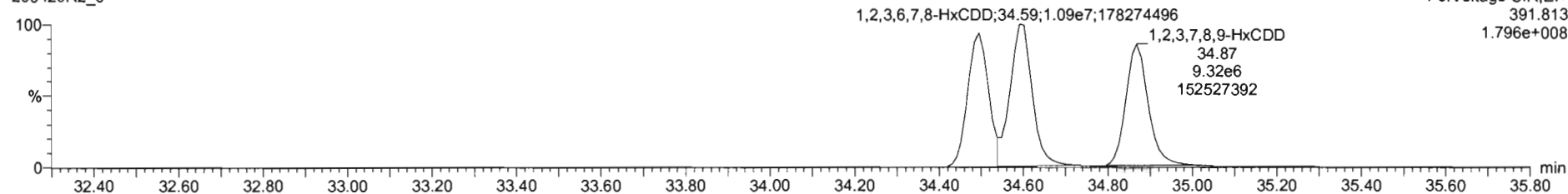
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1,2,3,4,7,8-HxCDD

200429R2_6

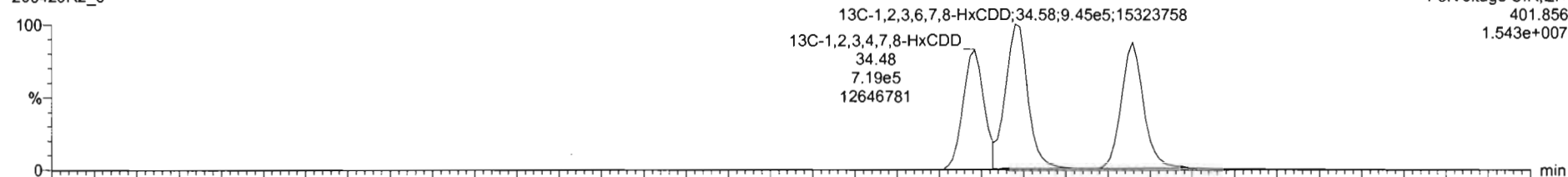


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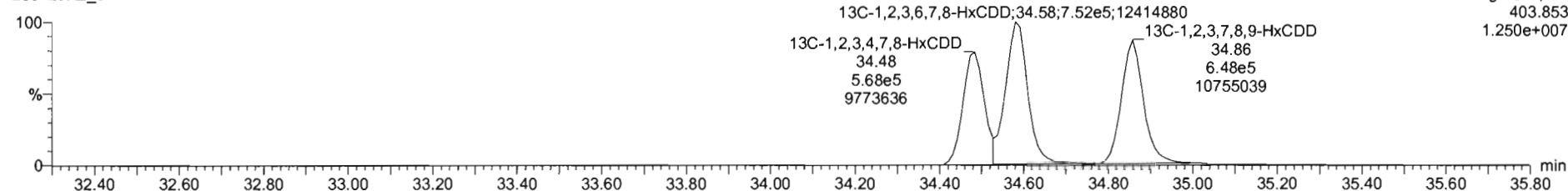


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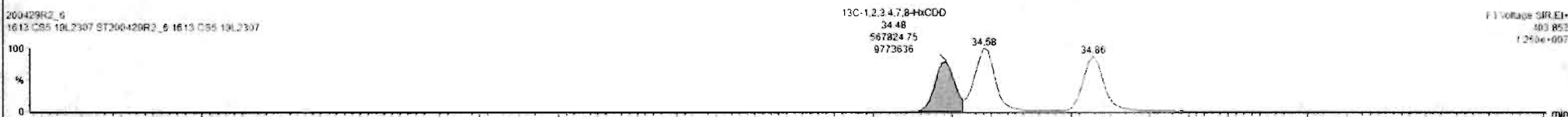
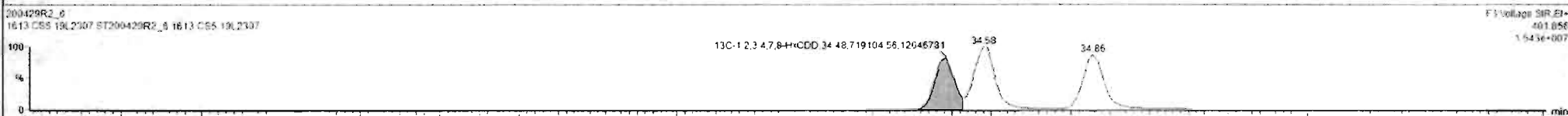
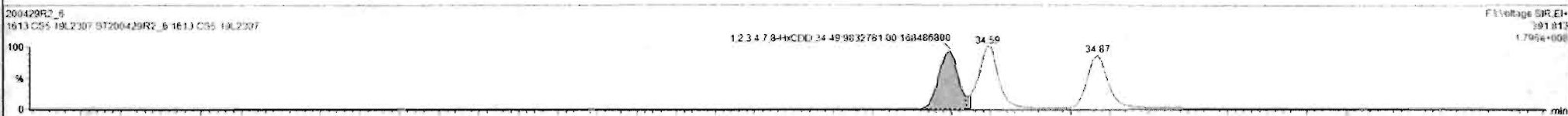
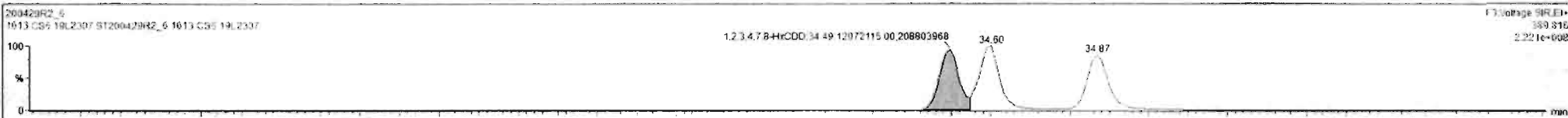
200429R2_6



200429R2_6



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.784	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.48	1.228	NO	2.1905e7	1.2269e6	1000.000	6.6	6.62	1.08	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.213	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1280e6	1500.000	5.6	8.92	0.956	0.0622
7	OCDD	41.34	0.887	NO	3.3871e7	2.3135e6	2000.000	4.8	7.57	0.633	0.0707
8	2,3,7,8-TCDF	25.05	0.753	NO	7.1946e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.560	NO	3.5628e7	2.5822e6	1500.000	1.5	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.189	NO	2.3482e7	1.7670e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9813e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.8927e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.94	0.991	NO	1.4705e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.867	NO	2.3638e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575

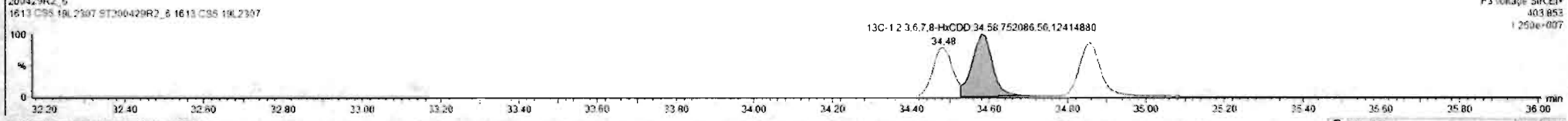
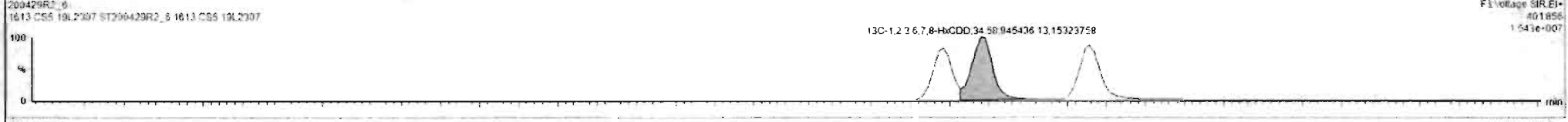
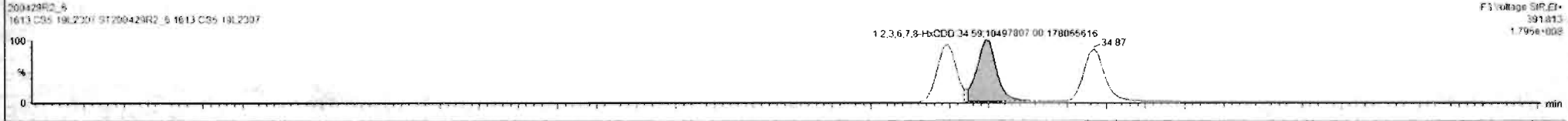


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200429R2_6 CAP NUM

200429R2_8 ST200429R2_1 13 CS5 19L2307 - 1613 CS5 19L2307

#	Name	RT	RA	yht	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.764	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.9507
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.9519
3	1,2,3,4,7,8-HxCDD	34.49	1.228	NO	2.1905e7	1.2669e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3489e7	1.6075e6	1500.000	0.8	6.53	0.915	0.9592
5	1,2,3,7,8,9-HxCDD	34.67	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.9690
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1360e6	1500.000	5.6	6.93	0.896	0.9622
7	OCDD	41.34	0.887	NO	3.3271e7	2.3135e6	3000.000	4.8	7.57	0.933	0.9707
8	1,2,7,8-TCDF	25.05	0.753	NO	7.1949e6	2.5106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5938e7	2.5822e6	1500.000	1.5	5.86	0.910	0.9533
10	1,2,3,4,7,8-HxCDF	30.81	1.542	NO	3.6618e7	3.5077e6	1500.000	0.7	4.96	0.966	0.9481
11	1,2,3,4,7,8-HxCDF	33.63	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.9666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.9632
13	1,2,3,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.5	7.69	0.932	0.9709
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9613e7	1.4696e6	1500.000	4.0	5.96	0.864	0.9517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.6927e7	1.2725e6	1500.000	5.5	7.54	0.871	0.9657
16	1,2,3,4,7,8,9-HpCDF	36.94	0.993	NO	1.4205e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.887	NO	2.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.9575



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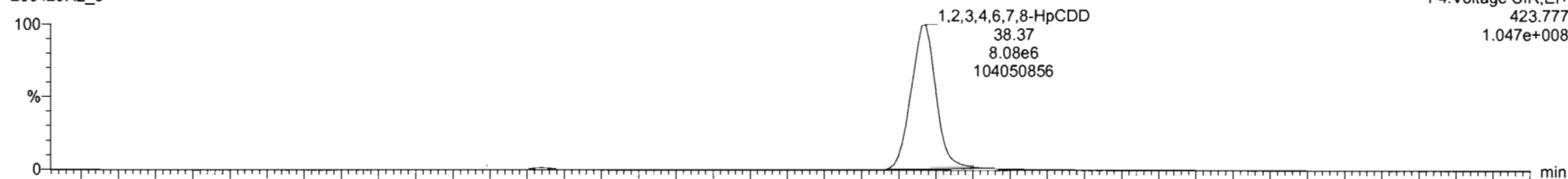
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

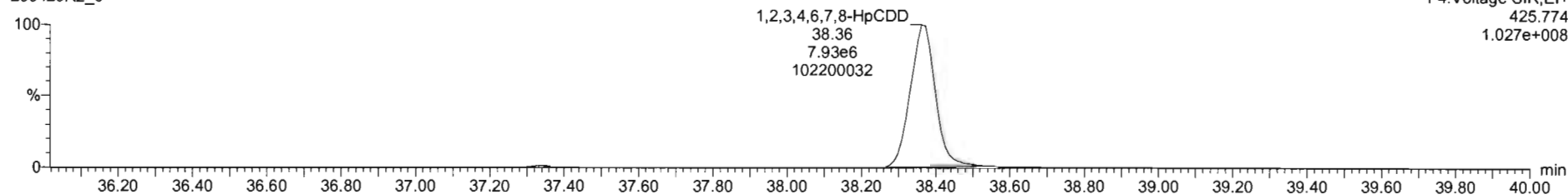
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1,2,3,4,6,7,8-HpCDD

200429R2_6

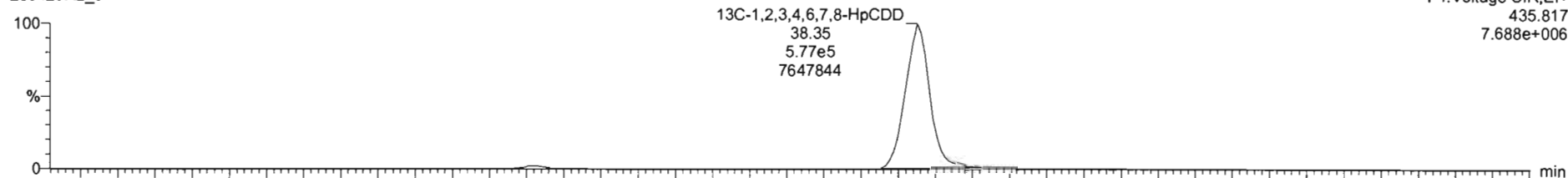


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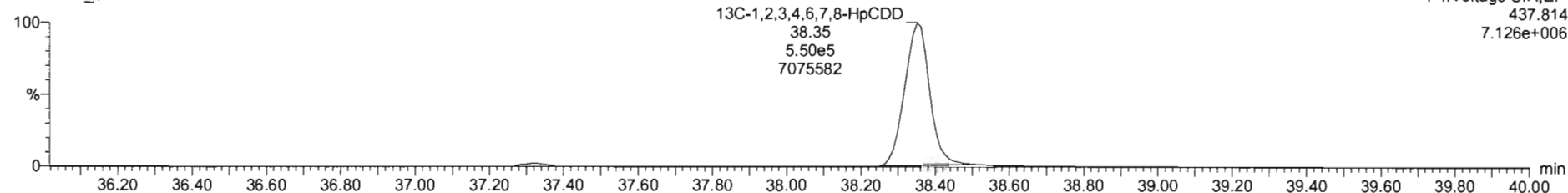


13C-1,2,3,4,6,7,8-HpCDD

200429R2_6



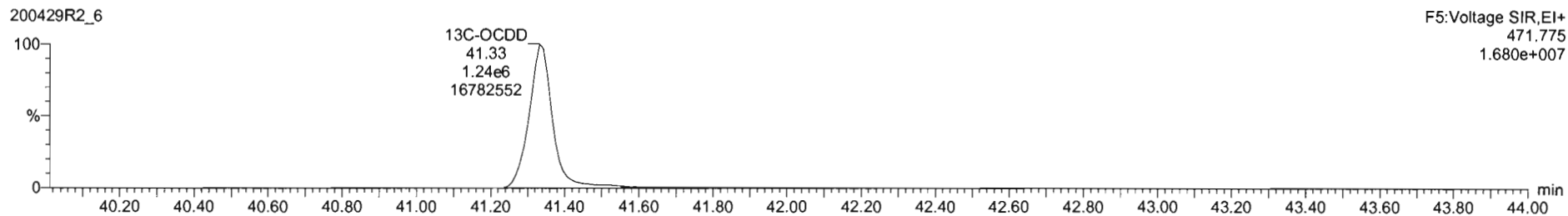
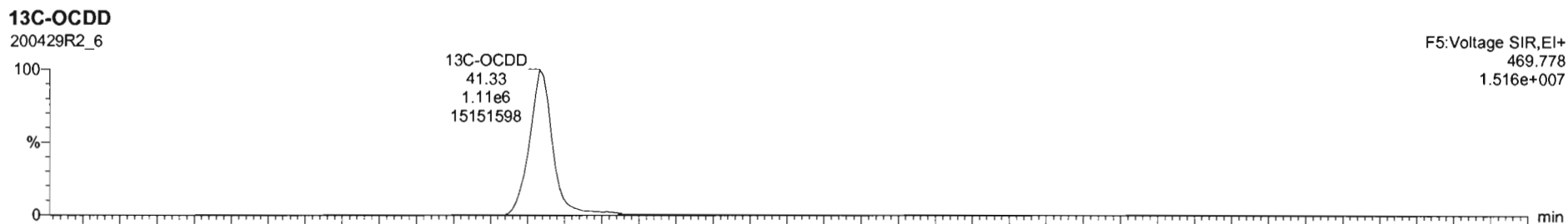
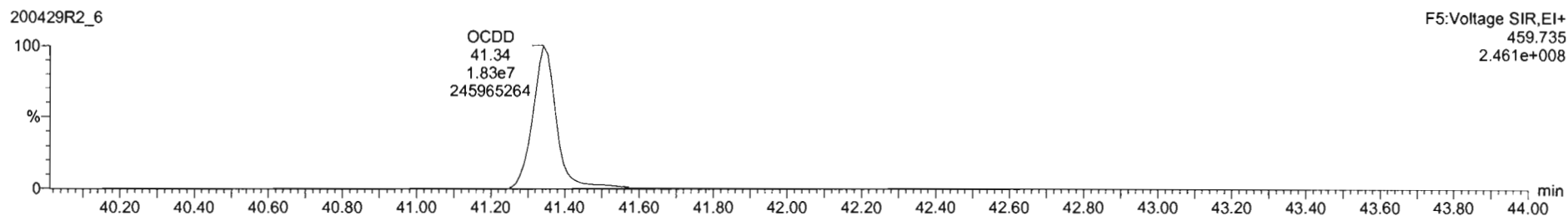
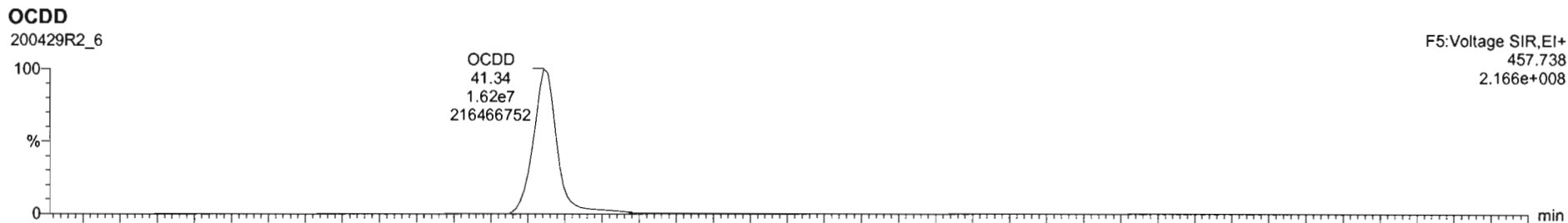
200429R2_6



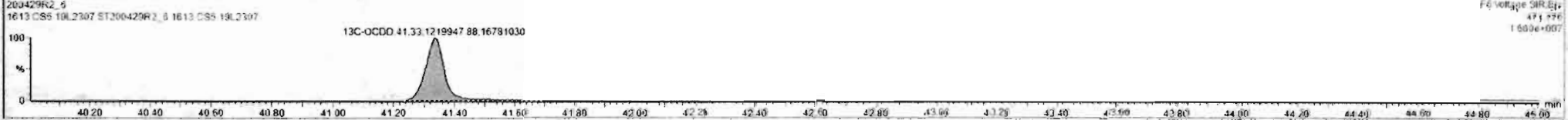
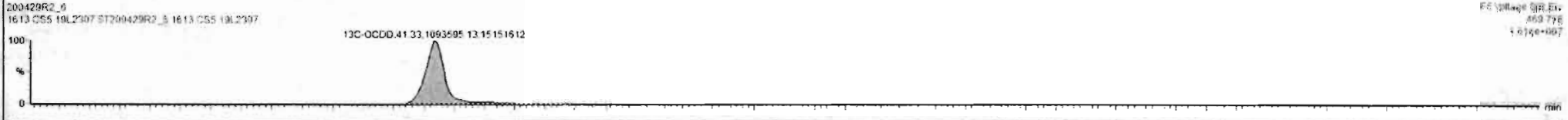
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Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307



#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF U	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.754	NO	6.0624e6	2.0210e6	300.000	5.4	5.15	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.642	0.0519
3	1,2,3,4,7,8-HxCDD	34.43	1.220	NO	2.1905e7	1.2869e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.916	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1260e6	1500.000	5.6	6.93	0.656	0.0422
7	OCDD	41.34	0.697	NO	3.3671e7	2.3135e6	3000.000	4.6	7.57	0.933	0.0767
8	0,2,2,7,8-TCDF	25.09	0.753	NO	7.1646e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5528e7	2.5822e6	1500.000	1.9	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.85	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.83	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.60	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.195	NO	1.9612e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.8627e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HxCDF	38.54	0.993	NO	1.4305e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.667	NO	3.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



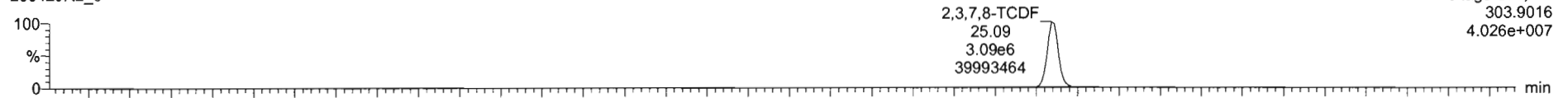
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

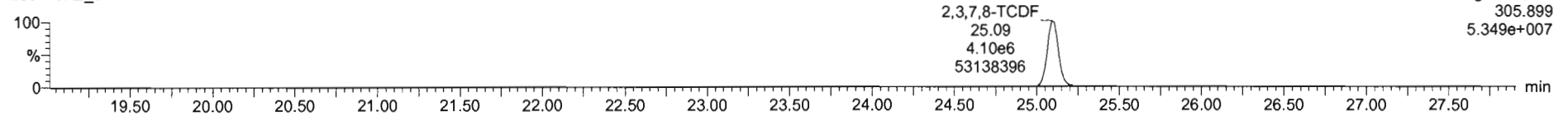
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2,3,7,8-TCDF

200429R2_6

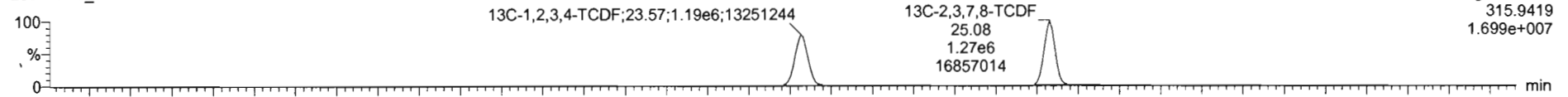


200429R2_6

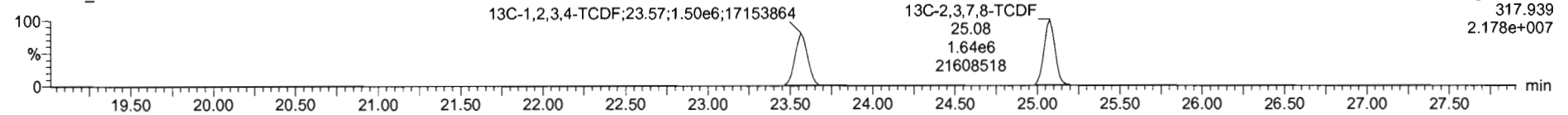


13C-2,3,7,8-TCDF

200429R2_6

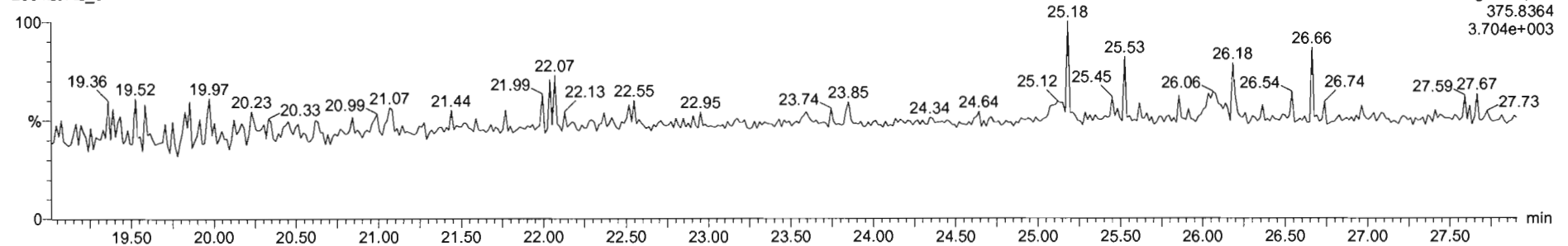


200429R2_6



DPE1

200429R2_6



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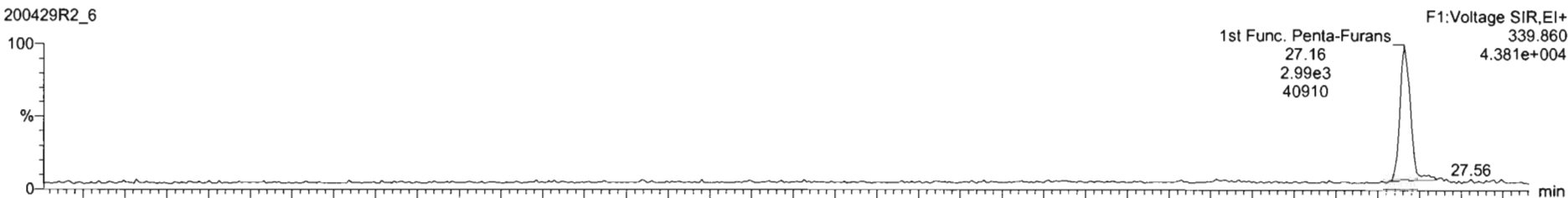
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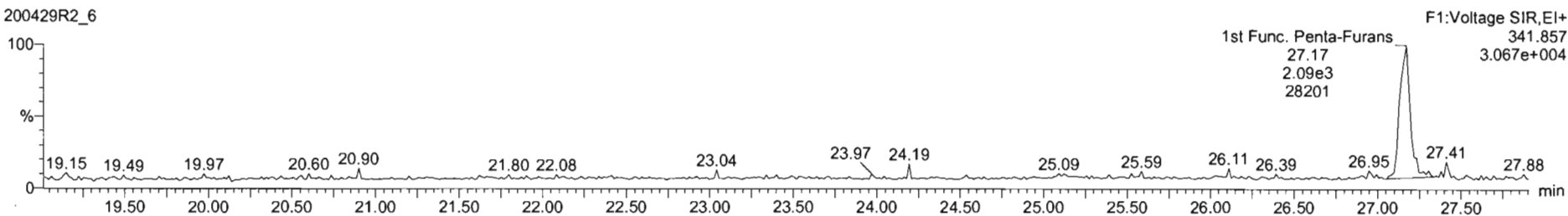
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1st Func. Penta-Furans

200429R2_6

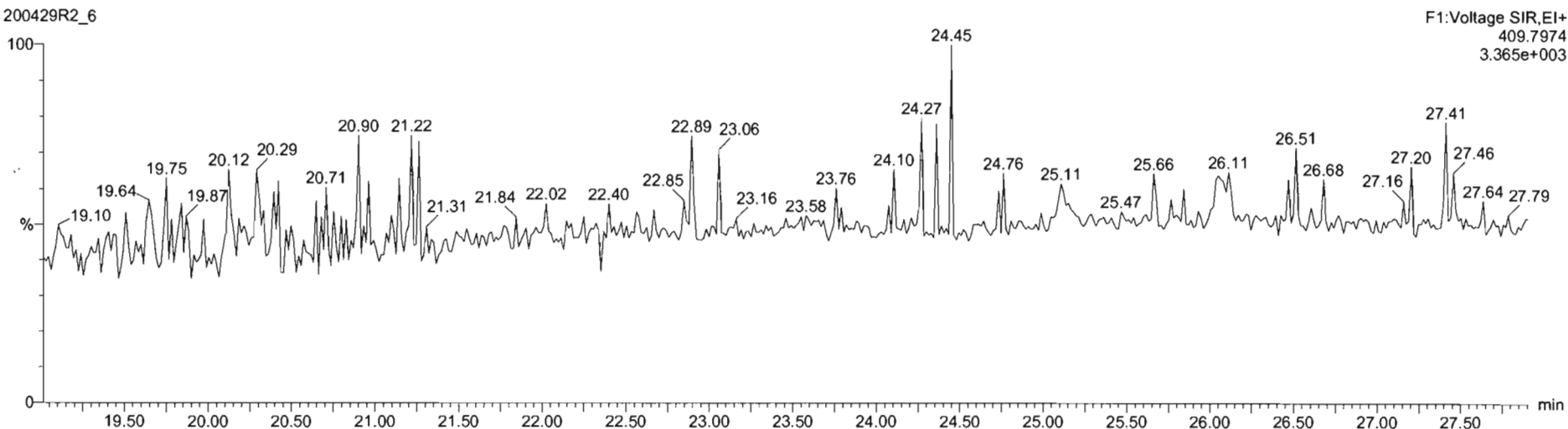


200429R2_6



DPE6

200429R2_6



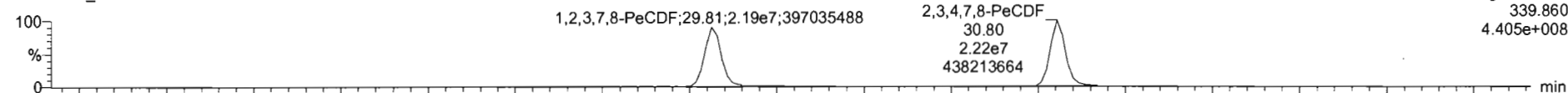
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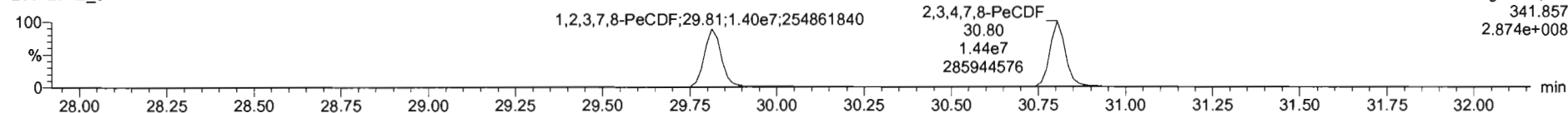
1,2,3,7,8-PeCDF

200429R2_6



F2:Voltage SIR,EI+
339.860
4.405e+008

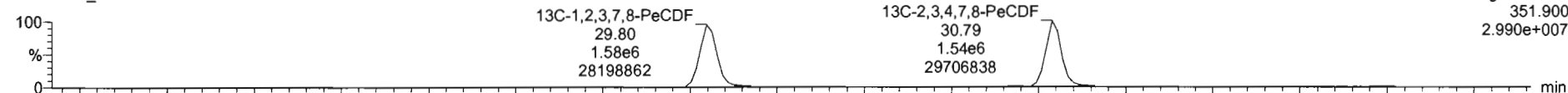
200429R2_6



F2:Voltage SIR,EI+
341.857
2.874e+008

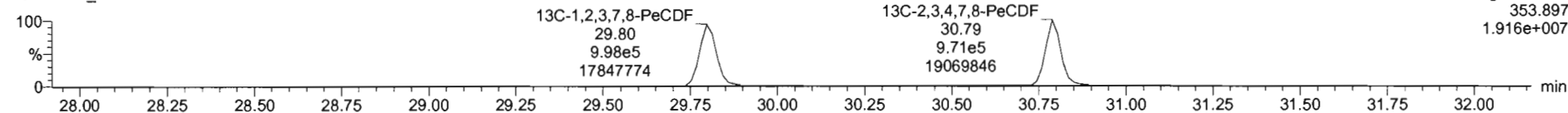
13C-1,2,3,7,8-PeCDF

200429R2_6



F2:Voltage SIR,EI+
351.900
2.990e+007

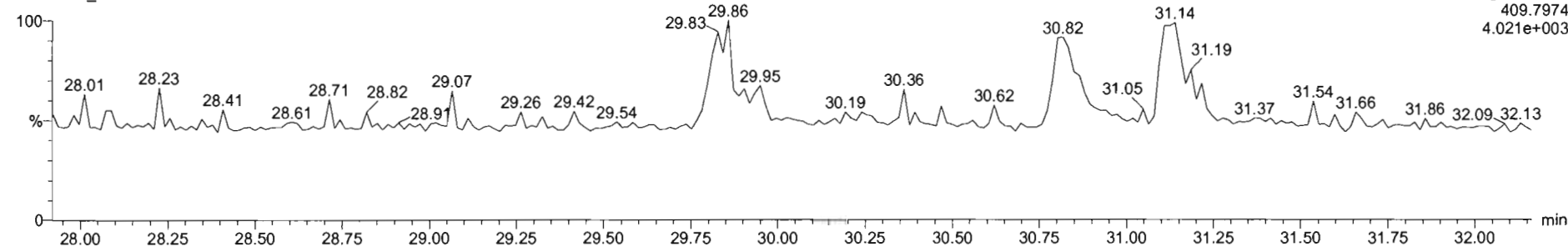
200429R2_6



F2:Voltage SIR,EI+
353.897
1.916e+007

DPE2

200429R2_6



F2:Voltage SIR,EI+
409.7974
4.021e+003

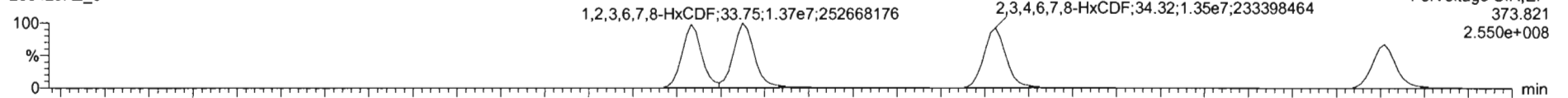
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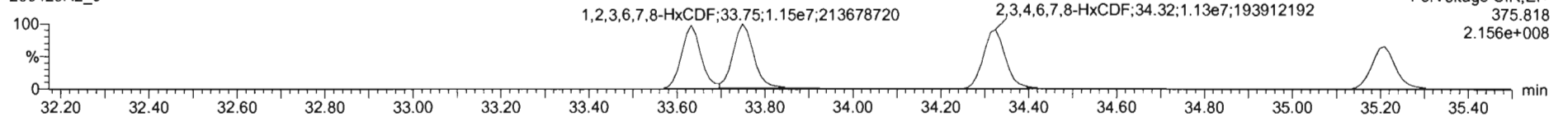
1,2,3,4,7,8-HxCDF

200429R2_6



F3: Voltage SIR, EI+
373.821
2.550e+008

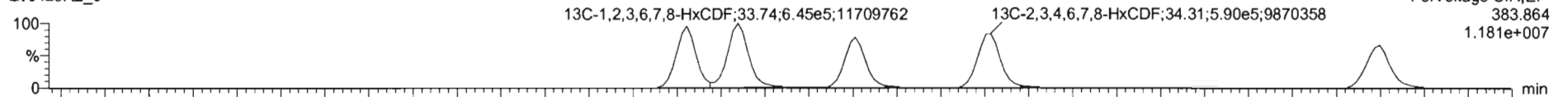
200429R2_6



F3: Voltage SIR, EI+
375.818
2.156e+008

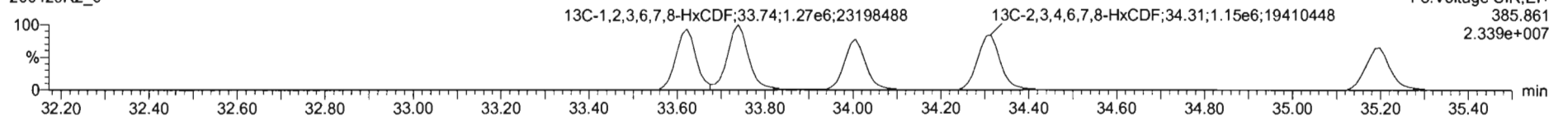
13C-1,2,3,4,7,8-HxCDF

200429R2_6



F3: Voltage SIR, EI+
383.864
1.181e+007

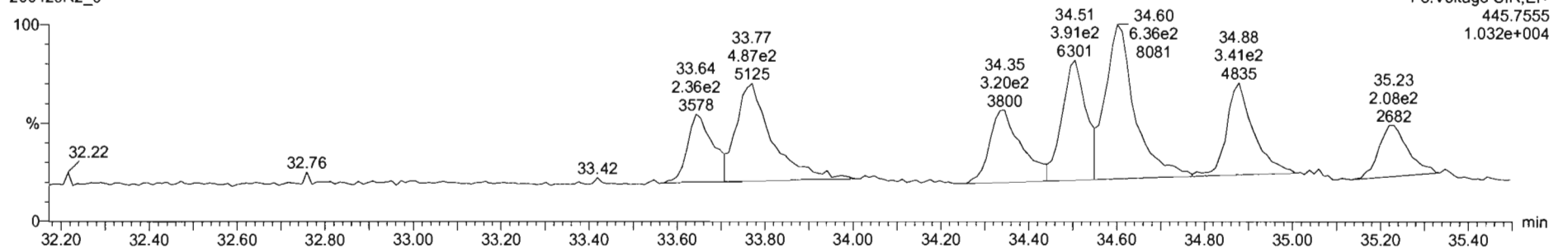
200429R2_6



F3: Voltage SIR, EI+
385.861
2.339e+007

DPE3

200429R2_6



F3: Voltage SIR, EI+
445.7555
1.032e+004

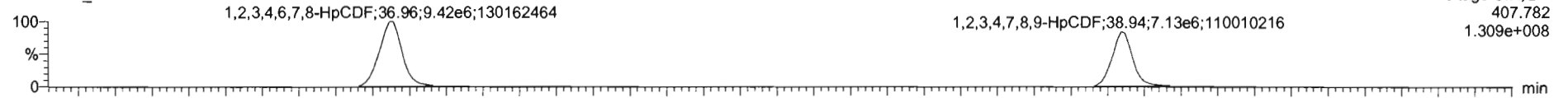
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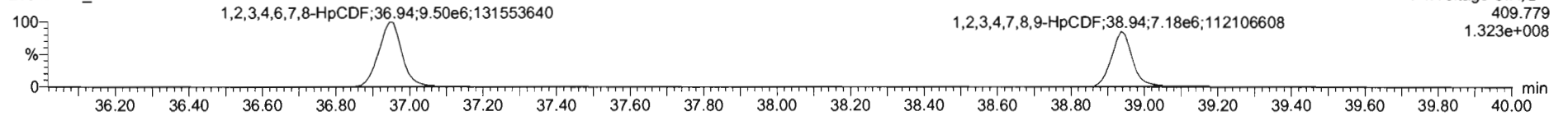
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1,2,3,4,6,7,8-HpCDF

200429R2_6

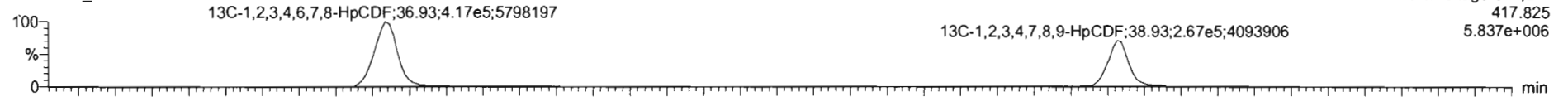


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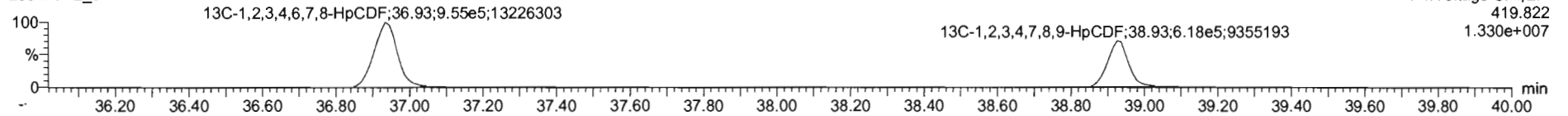


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200429R2_6

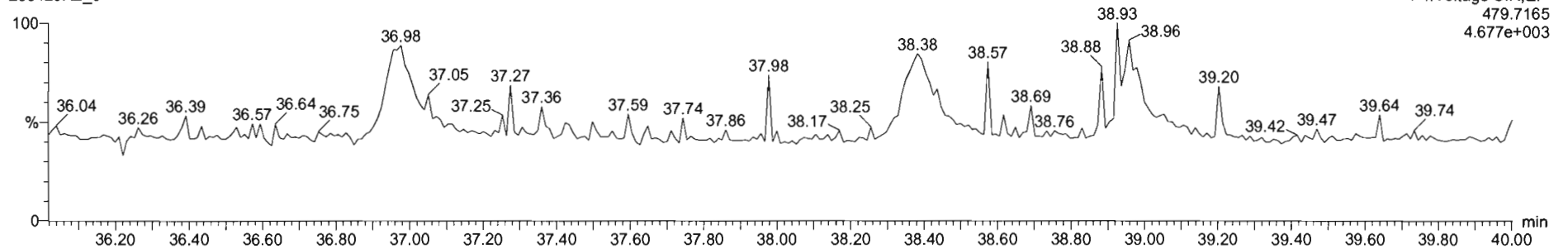


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DPE4

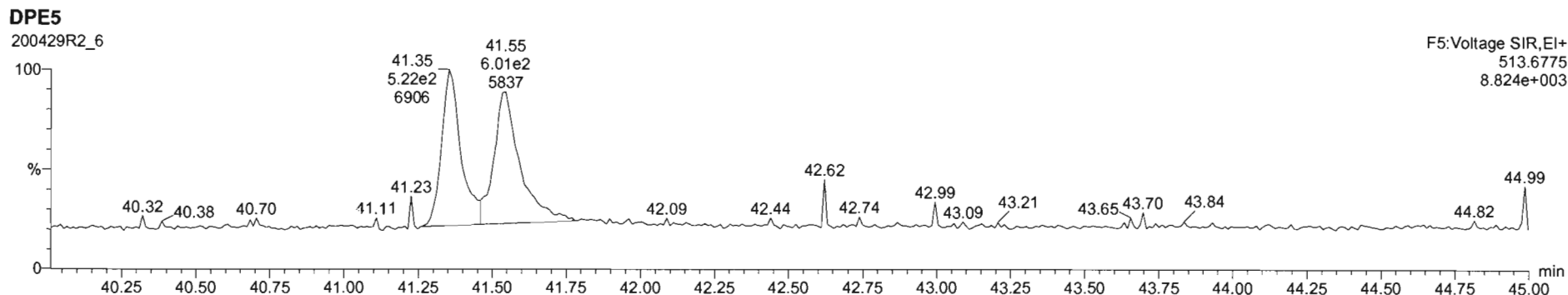
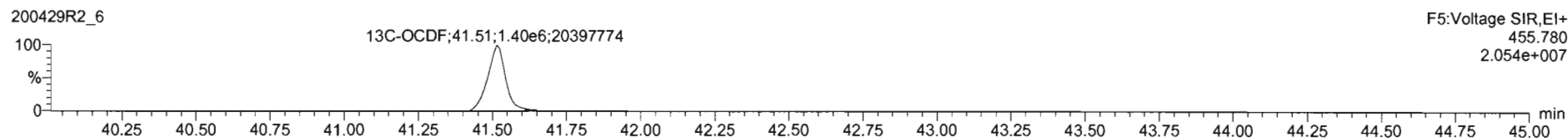
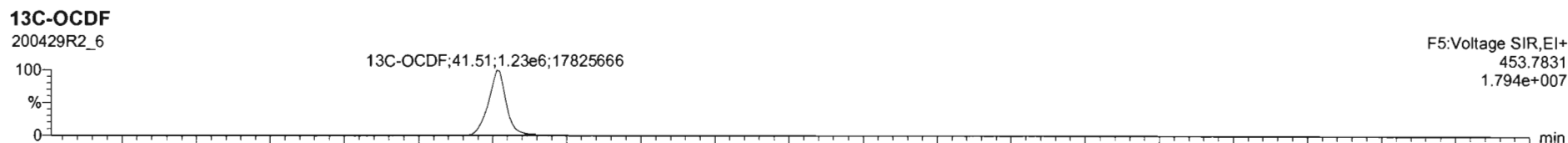
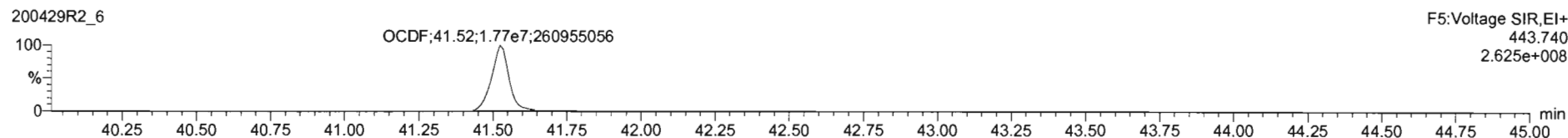
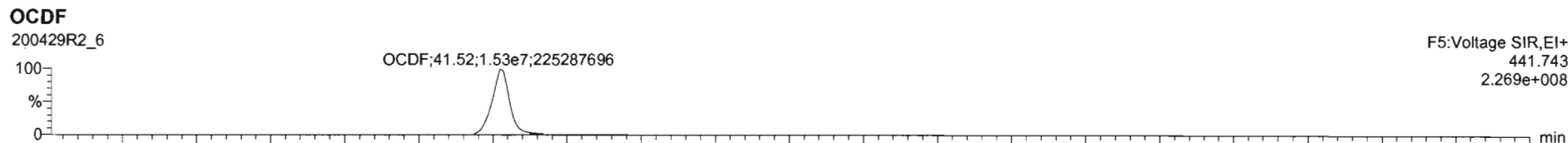
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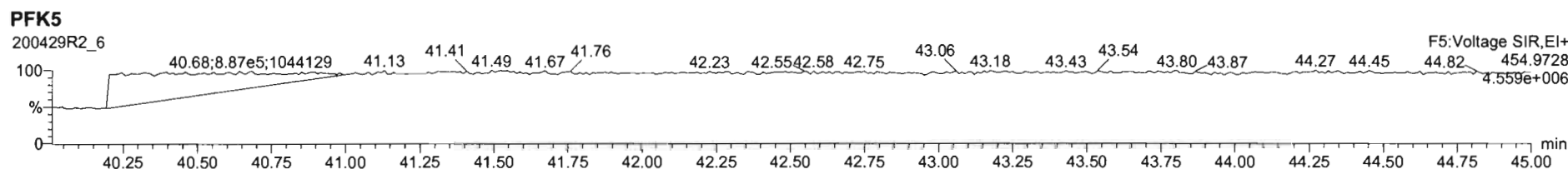
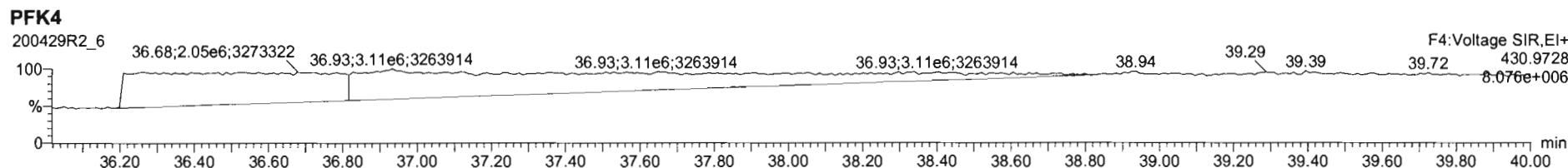
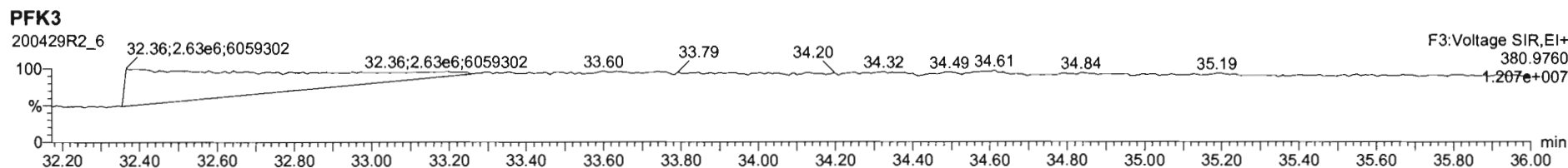
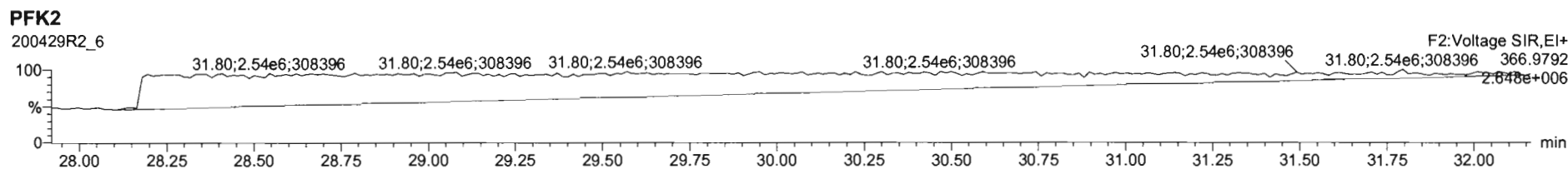
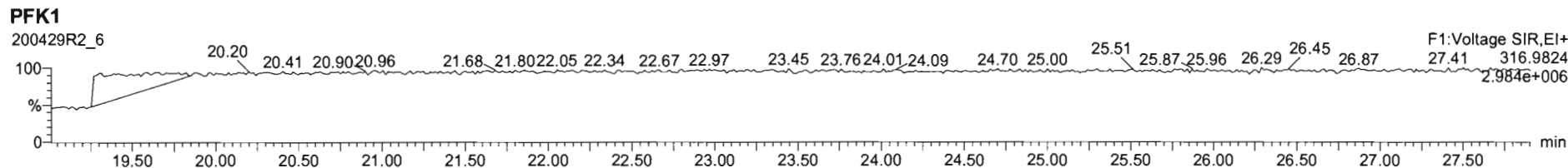


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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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Dataset: U:\VG12.PRO\Results\200429R2\200429R2-8.qld

Last Altered: Thursday, April 30, 2020 8:35:25 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:36:35 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

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

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

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.947	1.000	26.081	26.07	1.001	1.001	11.205	112	0.0427	11.2
2	2 1,2,3,7,8-PeCDD	5.70e5	0.63	NO	0.942	1.000	31.147	31.14	1.001	1.000	56.141	112	0.0577	56.1
3	3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.06	1.000	34.505	34.51	1.000	1.000	58.046	116	0.102	58.0
4	4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.915	1.000	34.591	34.61	1.000	1.001	57.430	115	0.105	57.4
5	5 1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.915	1.000	34.878	34.88	1.000	1.000	58.193	116	0.120	58.2
6	6 1,2,3,4,6,7,8-HpCDD	3.49e5	1.04	NO	0.898	1.000	38.373	38.38	1.000	1.001	56.727	113	0.145	56.7
7	7 OCDD	6.53e5	0.88	NO	0.933	1.000	41.343	41.35	1.000	1.000	116.94	117	0.107	117
8	8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.787	1.000	25.117	25.12	1.001	1.001	11.247	112	0.0306	11.2
9	9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.910	1.000	29.834	29.83	1.001	1.001	55.836	112	0.0810	55.8
10	10 2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.966	1.000	30.836	30.82	1.001	1.000	60.816	122	0.0765	60.8
11	11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.878	1.000	33.632	33.64	1.000	1.000	55.918	112	0.109	55.9
12	12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.874	1.000	33.760	33.76	1.000	1.000	56.451	113	0.107	56.5
13	13 2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.922	1.000	34.359	34.33	1.001	1.000	56.186	112	0.118	56.2
14	14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.864	1.000	35.209	35.22	1.000	1.000	55.290	111	0.162	55.3
15	15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.871	1.000	36.982	36.97	1.001	1.001	54.863	110	0.153	54.9
16	16 1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.01	1.000	38.947	38.95	1.000	1.000	57.162	114	0.204	57.2
17	17 OCDF	6.13e5	0.86	NO	0.802	1.000	41.525	41.53	1.000	1.000	115.17	115	0.126	115
18	18 13C-2,3,7,8-TCDD	1.53e6	0.79	NO	1.16	1.000	26.046	26.05	1.026	1.027	91.114	91.1	0.0954	
19	19 13C-1,2,3,7,8-PeCDD	1.08e6	0.64	NO	0.847	1.000	31.141	31.13	1.227	1.227	87.564	87.6	0.0958	
20	20 13C-1,2,3,4,7,8-HxCDD	7.95e5	1.29	NO	0.750	1.000	34.496	34.49	1.014	1.014	88.379	88.4	0.183	
21	21 13C-1,2,3,6,7,8-HxCDD	1.03e6	1.29	NO	0.963	1.000	34.608	34.59	1.017	1.017	89.585	89.6	0.142	
22	22 13C-1,2,3,7,8,9-HxCDD	8.98e5	1.26	NO	0.838	1.000	34.877	34.87	1.025	1.025	89.402	89.4	0.164	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.86e5	1.10	NO	0.641	1.000	38.367	38.36	1.128	1.128	89.184	89.2	0.183	
24	24 13C-OCDD	1.20e6	0.86	NO	0.586	1.000	41.360	41.34	1.216	1.215	170.31	85.2	0.144	
25	25 13C-2,3,7,8-TCDF	2.25e6	0.78	NO	1.03	1.000	25.104	25.09	0.989	0.989	92.189	92.2	0.134	
26	26 13C-1,2,3,7,8-PeCDF	1.77e6	1.60	NO	0.845	1.000	29.829	29.81	1.176	1.175	88.893	88.9	0.195	
27	27 13C-2,3,4,7,8-PeCDF	1.71e6	1.60	NO	0.814	1.000	30.822	30.81	1.215	1.214	88.919	88.9	0.203	
28	28 13C-1,2,3,4,7,8-HxCDF	1.12e6	0.51	NO	1.00	1.000	33.635	33.63	0.989	0.989	93.115	93.1	0.212	
29	29 13C-1,2,3,6,7,8-HxCDF	1.26e6	0.51	NO	1.14	1.000	33.757	33.75	0.992	0.992	92.434	92.4	0.187	
30	30 13C-2,3,4,6,7,8-HxCDF	1.12e6	0.51	NO	1.02	1.000	34.326	34.33	1.009	1.009	91.031	91.0	0.208	
31	31 13C-1,2,3,7,8,9-HxCDF	9.97e5	0.51	NO	0.845	1.000	35.217	35.21	1.035	1.035	98.412	98.4	0.252	

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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.59e5	0.43	NO	0.771	1.000	36.948	36.94	1.086	1.086	92.960	93.0	0.284	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.17e5	0.43	NO	0.482	1.000	38.959	38.95	1.145	1.145	89.503	89.5	0.455	
34	34 13C-OCDF	1.33e6	0.88	NO	0.669	1.000	41.530	41.53	1.221	1.221	165.58	82.8	0.146	
35	35 37Cl-2,3,7,8-TCDD	1.58e5			1.10	1.000	26.076	26.07	1.028	1.027	9.8763	98.8	0.0151	
36	36 13C-1,2,3,4-TCDD	1.45e6	0.81	NO	1.00	1.000	25.350	25.38	1.000	1.000	100.00	100	0.111	
37	37 13C-1,2,3,4-TCDF	2.36e6	0.79	NO	1.00	1.000	23.560	23.59	1.000	1.000	100.00	100	0.139	
38	38 13C-1,2,3,4,6,9-HxCDF	1.20e6	0.51	NO	1.00	1.000	34.000	34.02	1.000	1.000	100.00	100	0.213	

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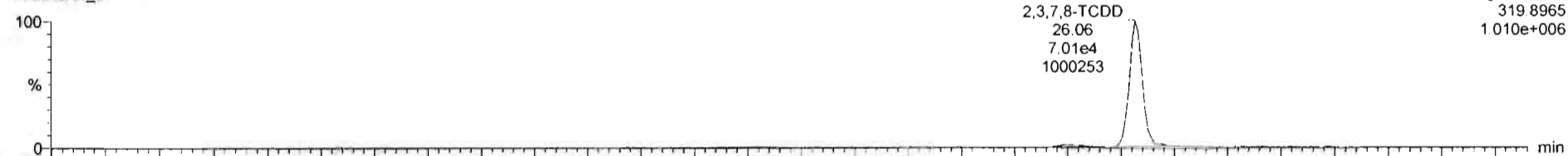
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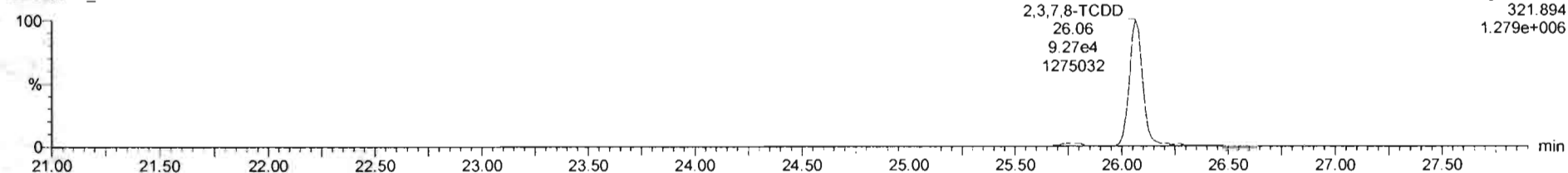
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2,3,7,8-TCDD

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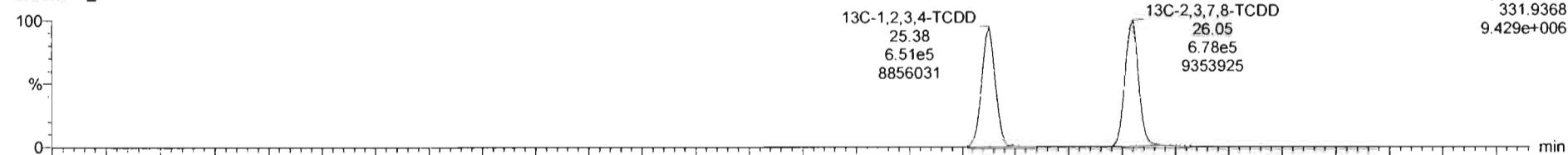


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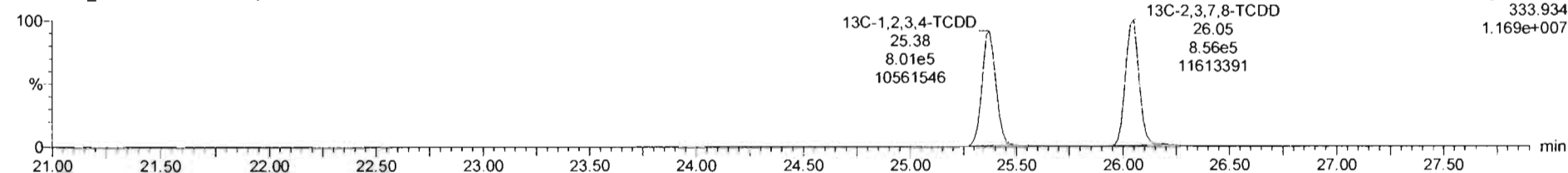


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200429R2_8



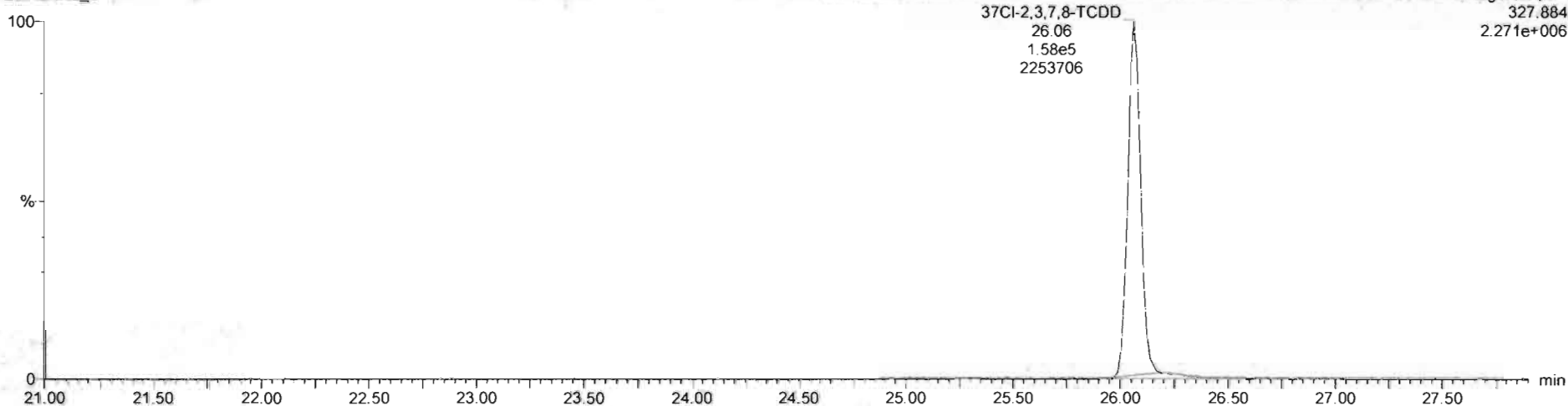
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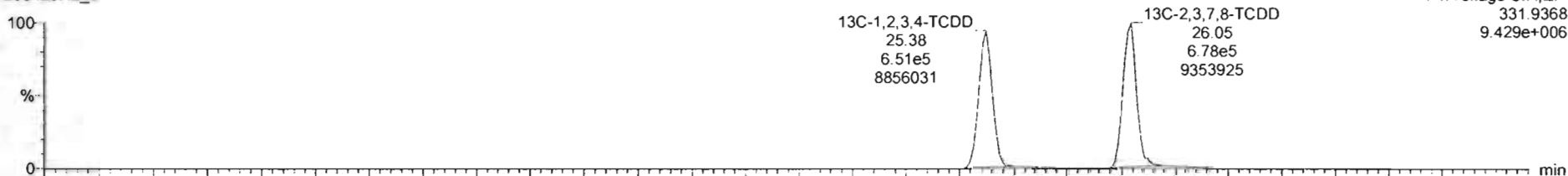
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F1:Voltage SIR,EI+
327.884
2.271e+006

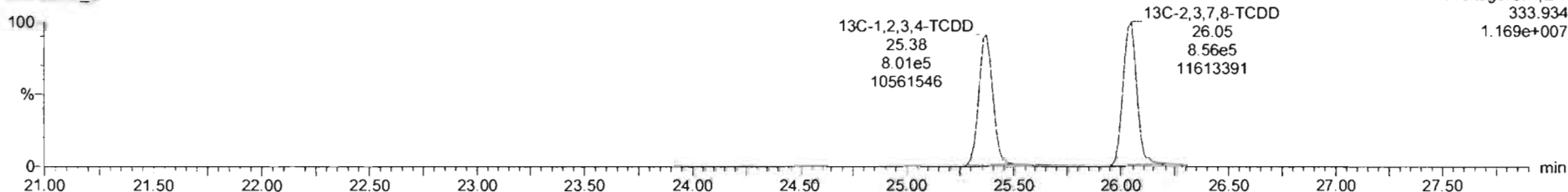
13C-1,2,3,4-TCDD

200429R2_8



F1:Voltage SIR,EI+
331.9368
9.429e+006

200429R2_8



F1:Voltage SIR,EI+
333.934
1.169e+007

Dataset: Untitled

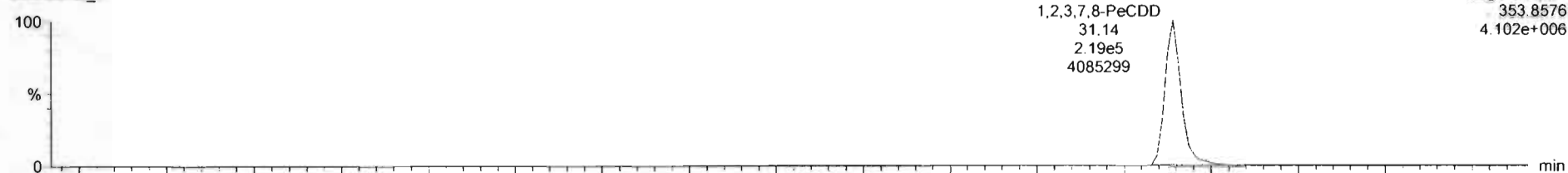
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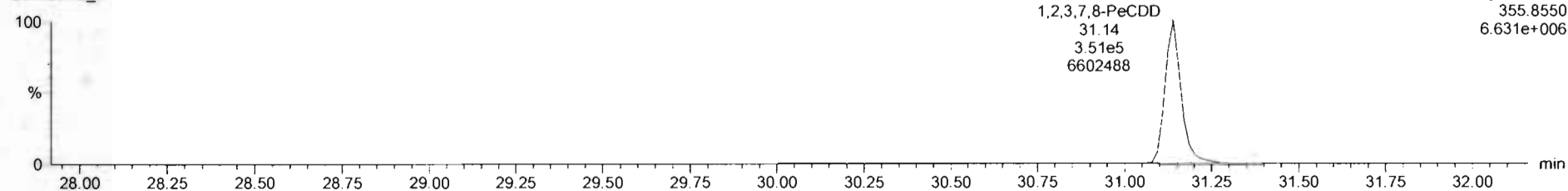
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1,2,3,7,8-PeCDD

200429R2_8

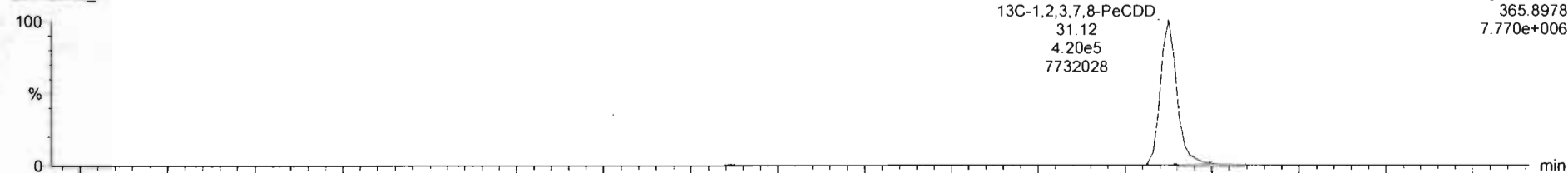


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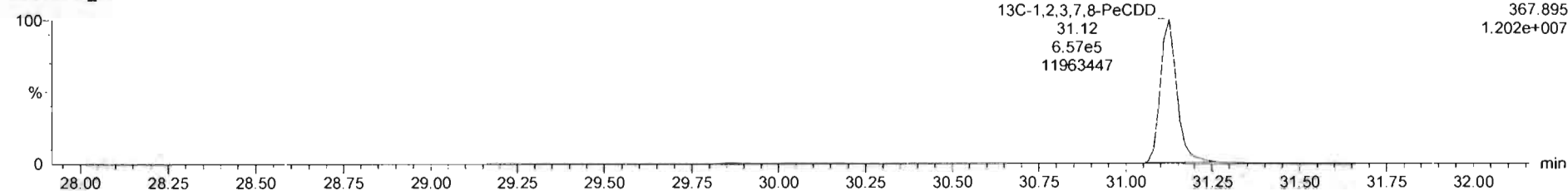


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200429R2_8



200429R2_8



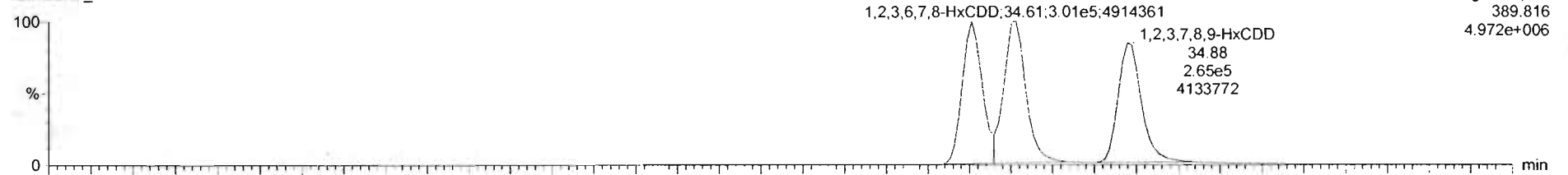
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

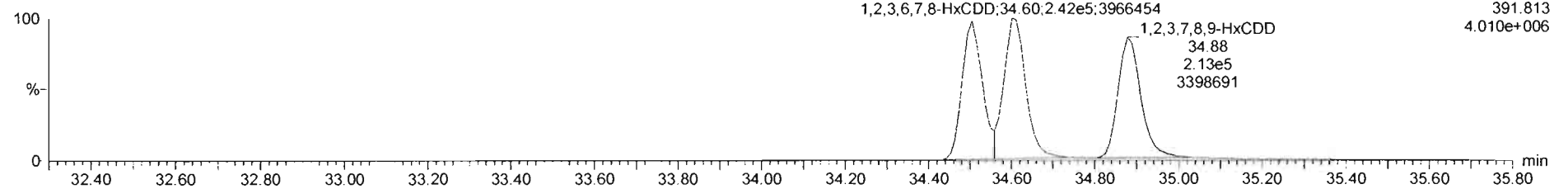
1,2,3,4,7,8-HxCDD

200429R2_8



F3: Voltage SIR, EI+
389.816
4.972e+006

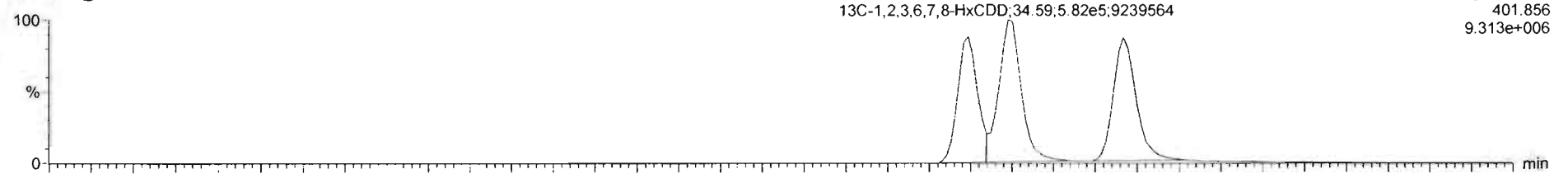
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F3: Voltage SIR, EI+
391.813
4.010e+006

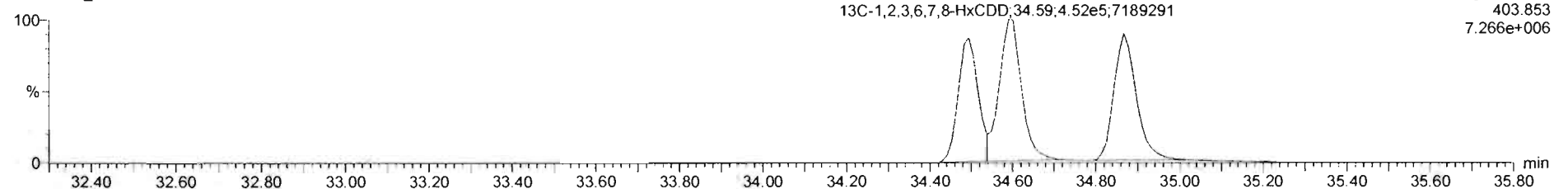
13C-1,2,3,4,7,8-HxCDD

200429R2_8



F3: Voltage SIR, EI+
401.856
9.313e+006

200429R2_8



F3: Voltage SIR, EI+
403.853
7.266e+006

Dataset: Untitled

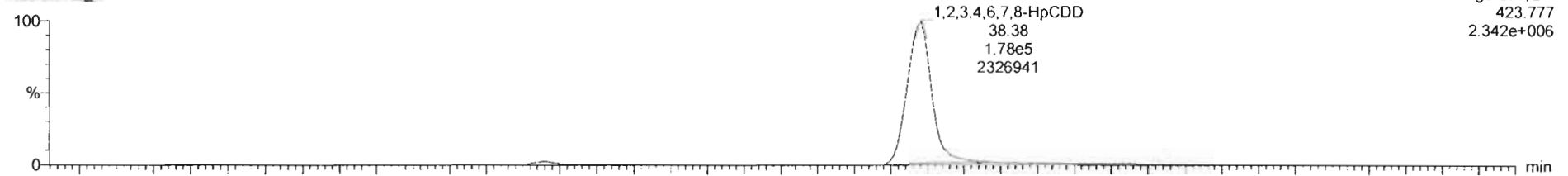
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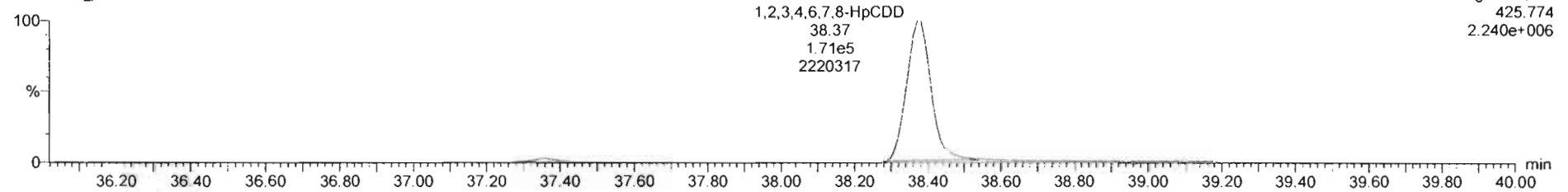
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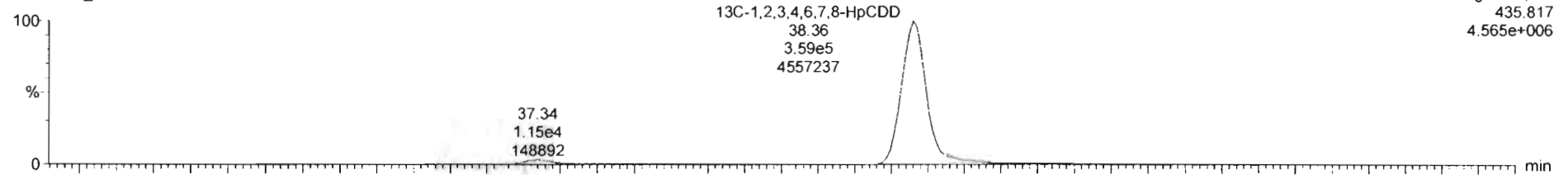


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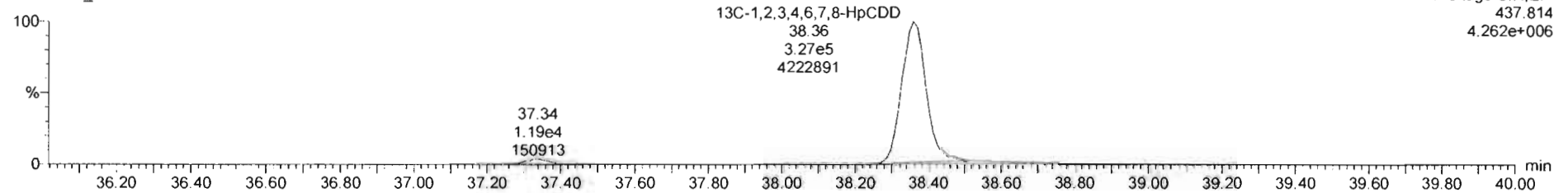


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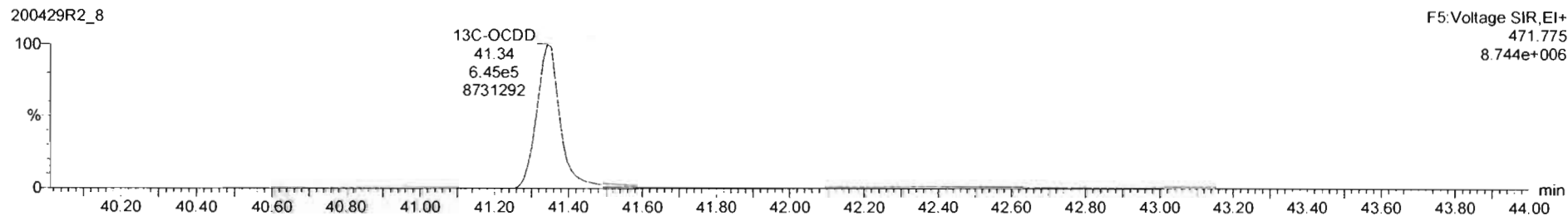
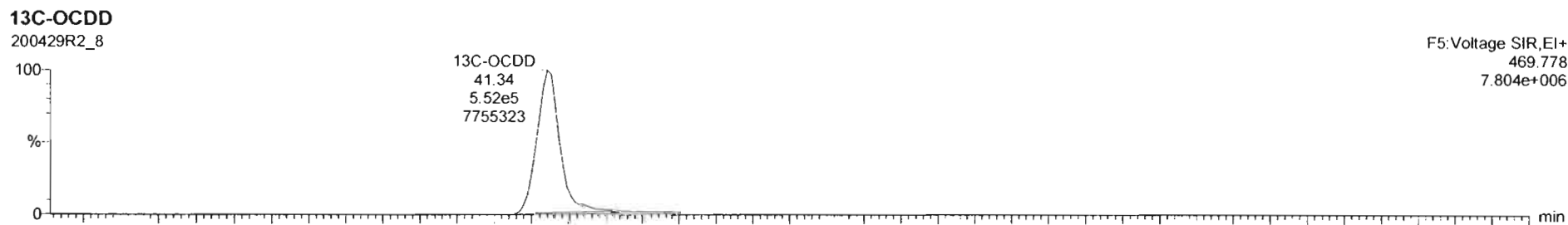
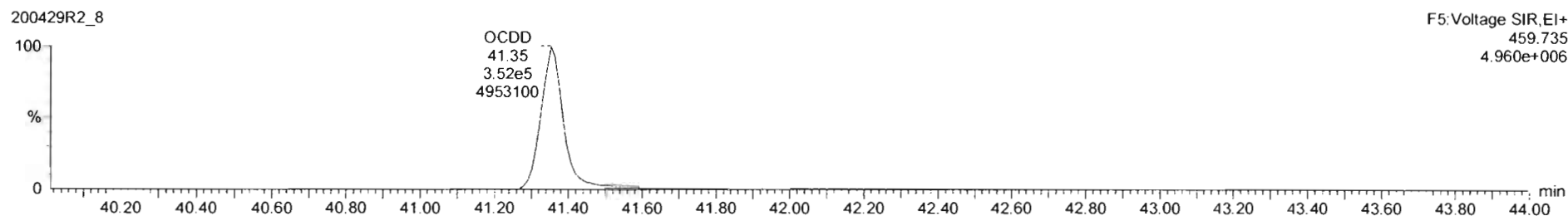
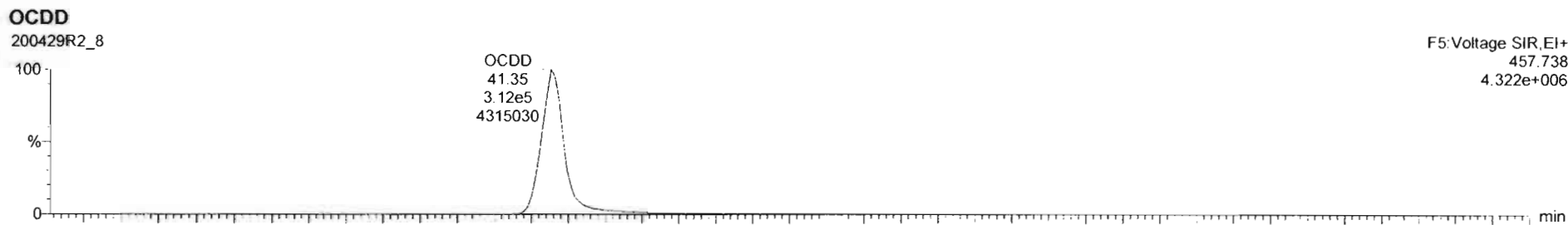


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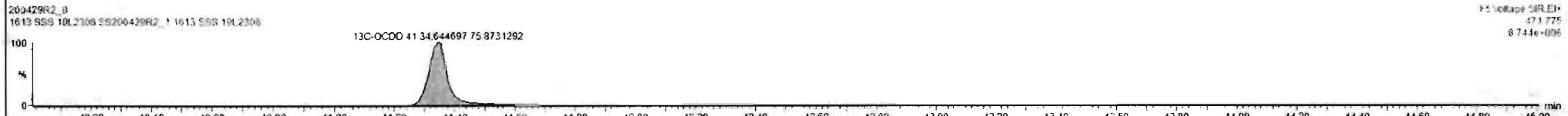
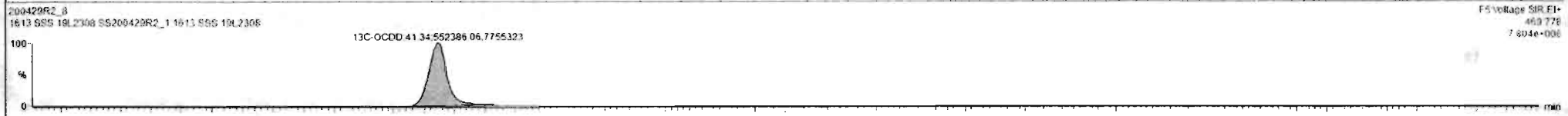
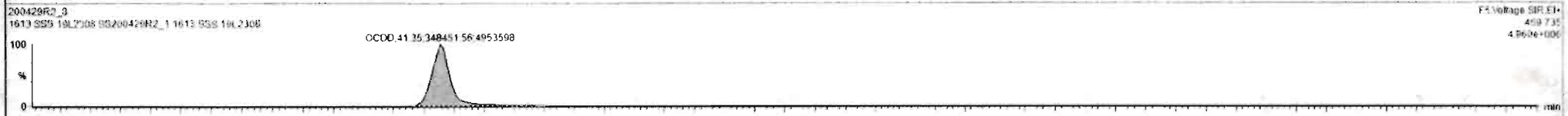
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Name	Resp	RA	inj	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	11.2	0.0427	11.2
2 1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	56.0	11.6	0.102	56.0
4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5 1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.88	1.000	58.2	11.6	0.120	58.2
6 1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8919	1.000	36.38	1.001	56.7	11.3	0.145	56.7
7 OCDD	6.53e5	0.55	NO	0.9325	1.000	41.35	1.000	117	11.7	0.107	117
8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9 1,2,3,7,8-PeCDF	5.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	11.2	0.0810	55.8
10 2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.9664	1.000	30.82	1.000	60.8	12.2	0.0765	60.8
11 1,2,3,4,7,8-HxCDF	5.51e5	1.22	NO	0.8782	1.000	33.64	1.000	55.9	11.2	0.109	55.9
12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.78	1.000	56.5	11.3	0.107	56.5
13 2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8542	1.000	35.22	1.000	55.3	11.1	0.152	55.3
15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	11.0	0.153	54.9
16 1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	11.4	0.204	57.2
17 OCDF	0.13e5	0.66	NO	0.8021	1.000	41.53	1.000	115	11.5	0.158	115



Custom Reporting: Select reports to generate

200429R2_8

CAP NUM

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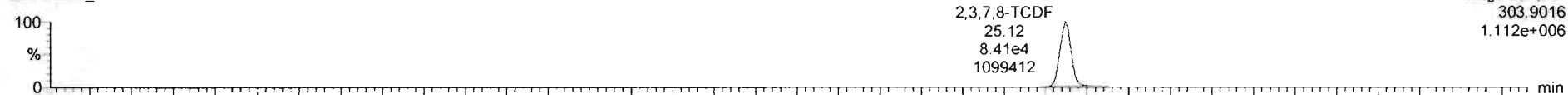
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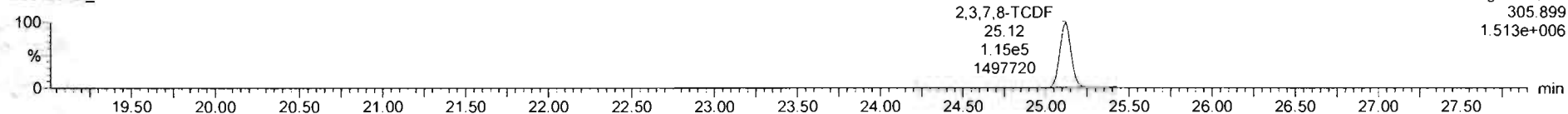
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2,3,7,8-TCDF

200429R2_8

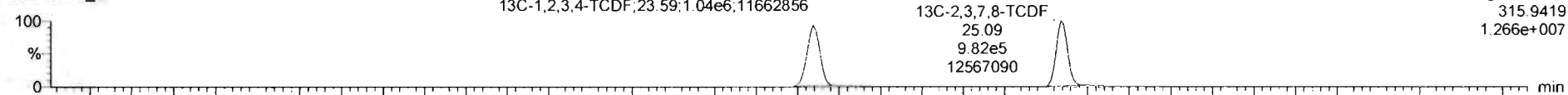


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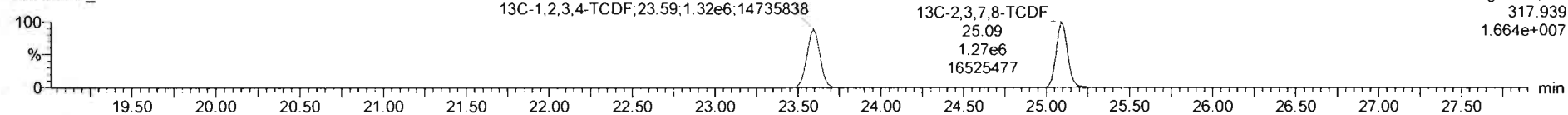


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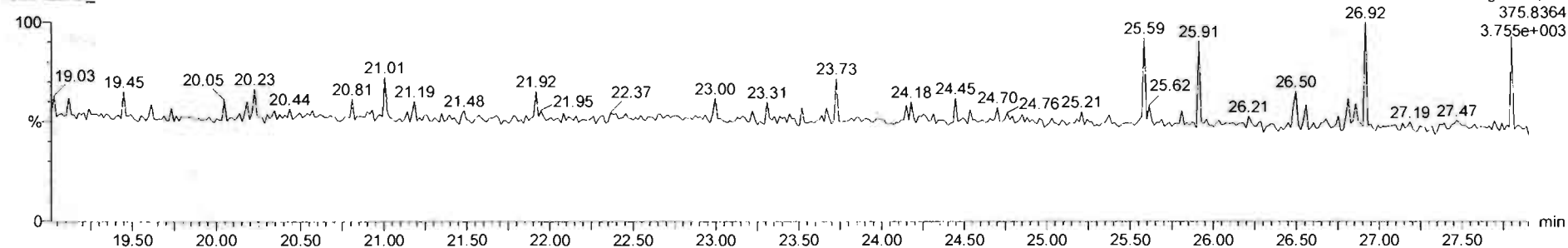


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DPE1

200429R2_8



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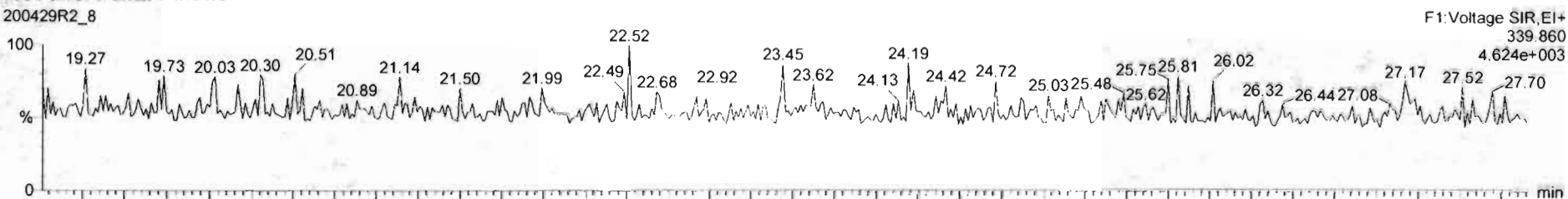
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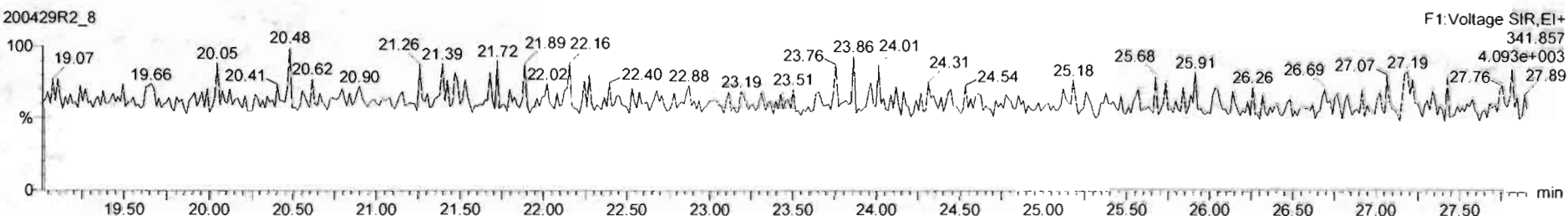
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1st Func. Penta-Furans

200429R2_8

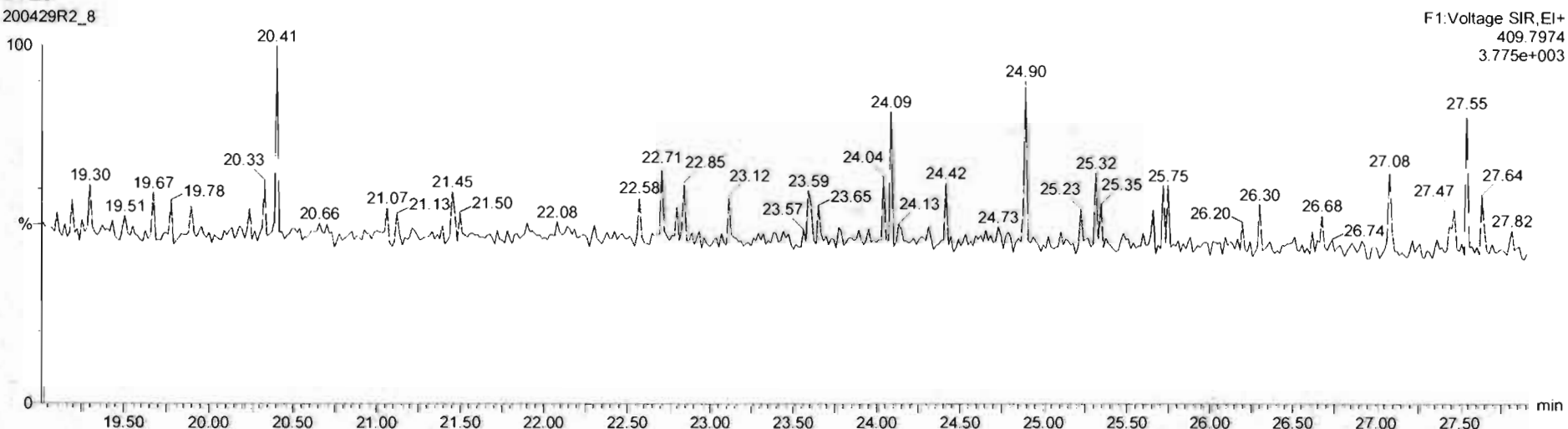


200429R2_8



DPE6

200429R2_8



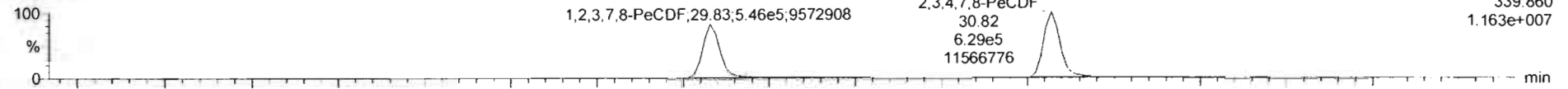
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Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

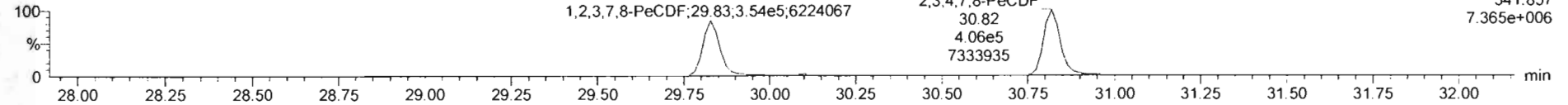
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1,2,3,7,8-PeCDF

200429R2_8

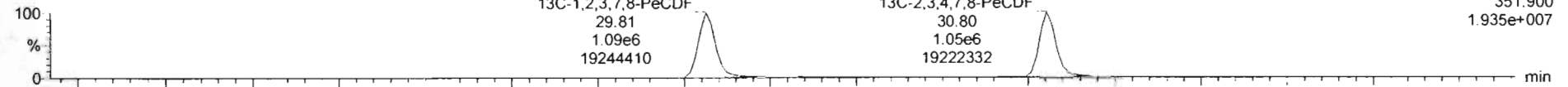


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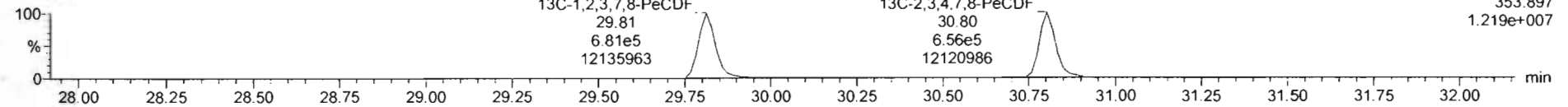


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200429R2_8

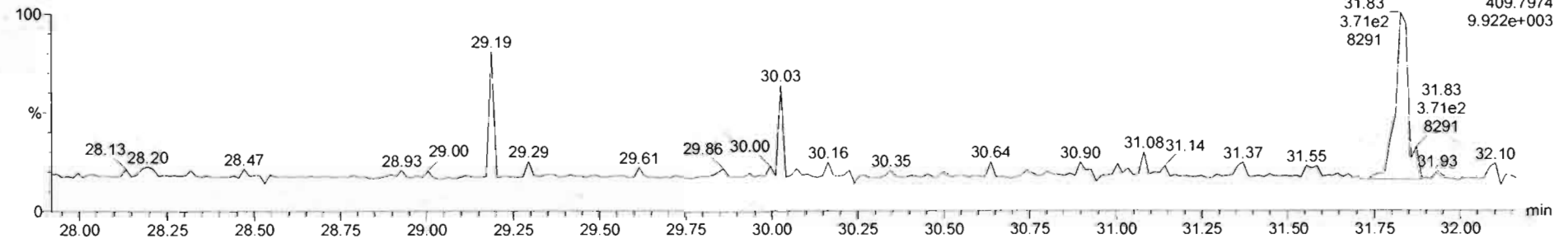


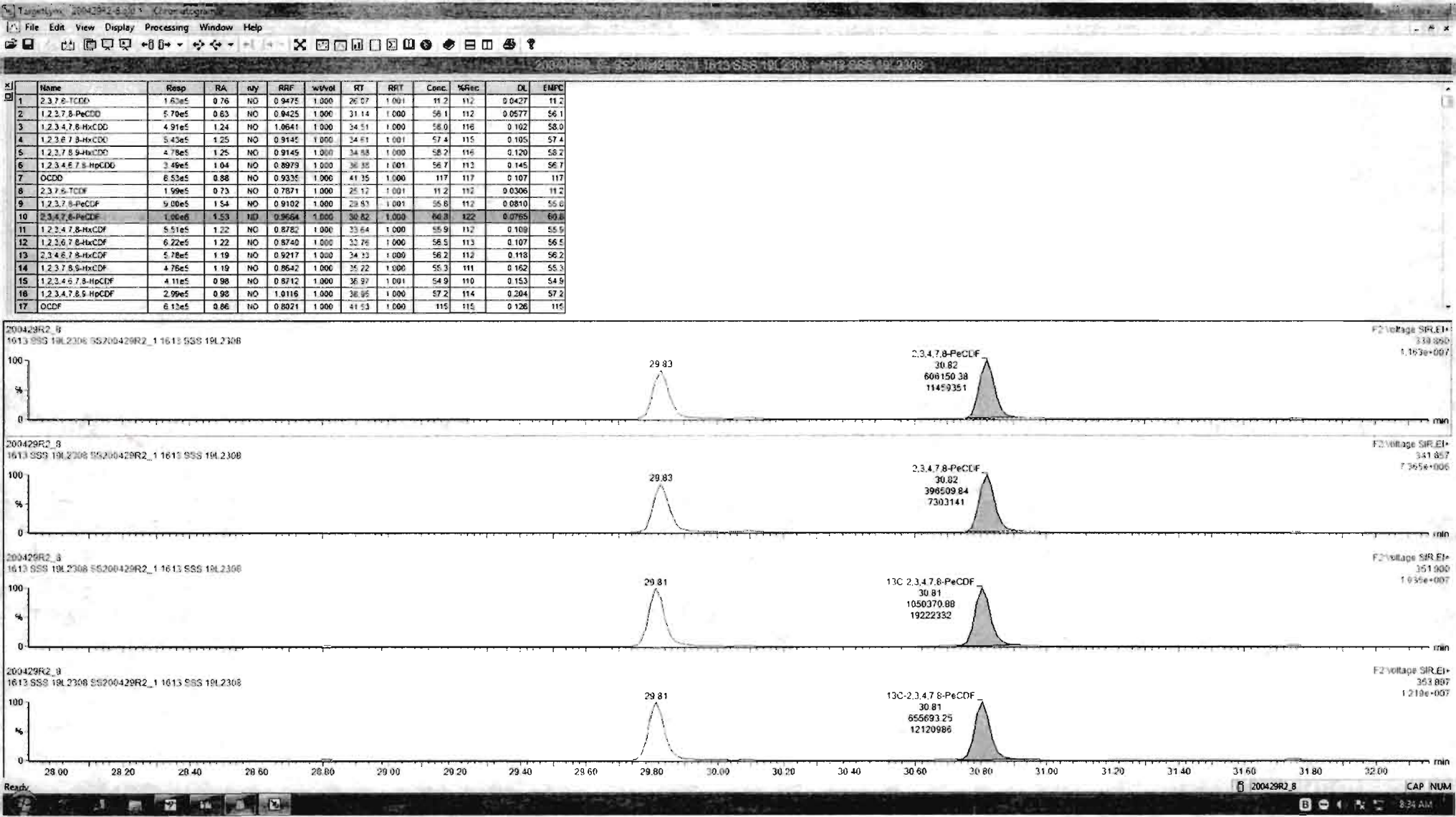
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DPE2

200429R2_8





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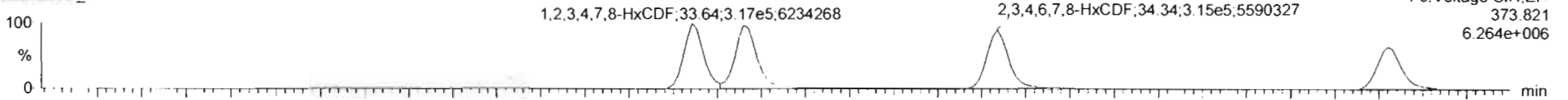
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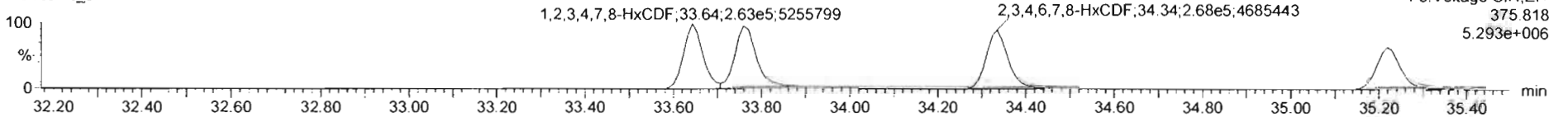
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1,2,3,4,7,8-HxCDF

200429R2_8

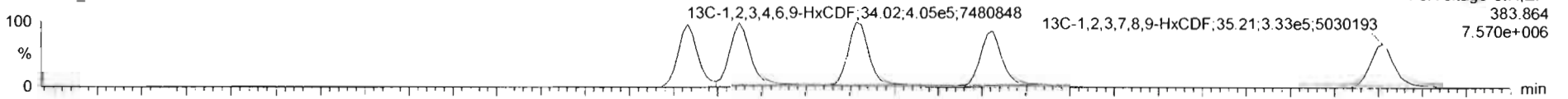


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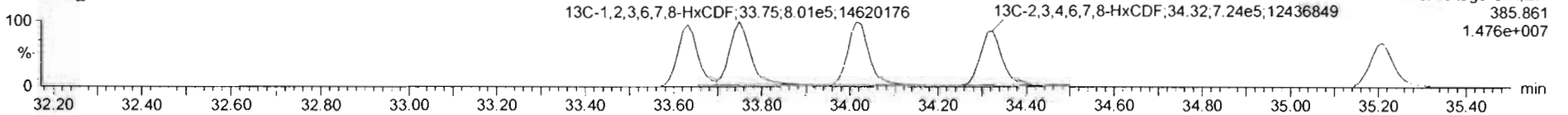


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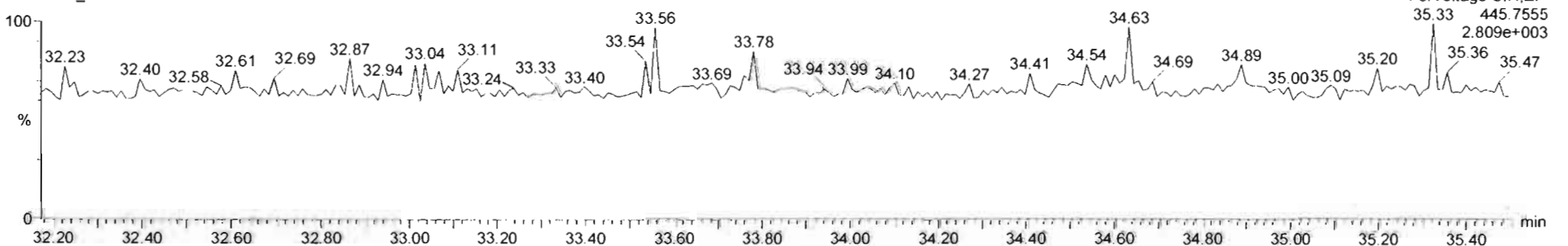


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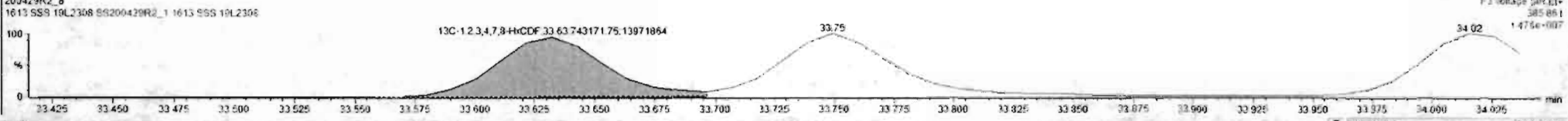
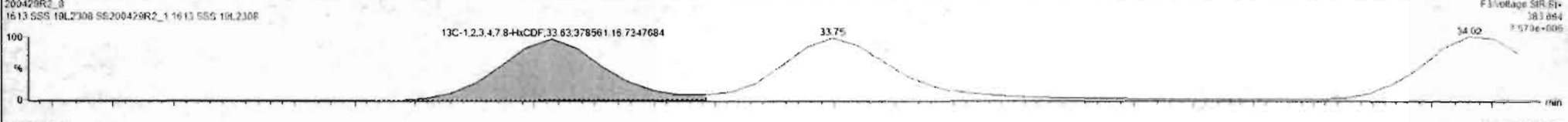
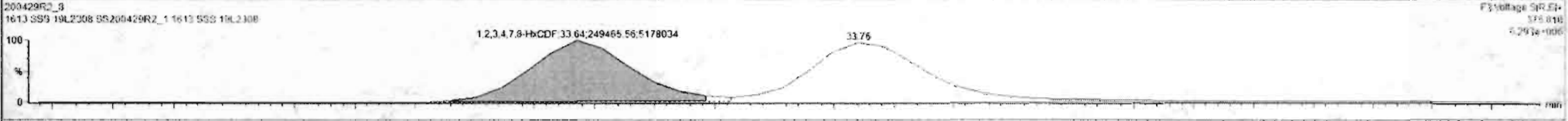
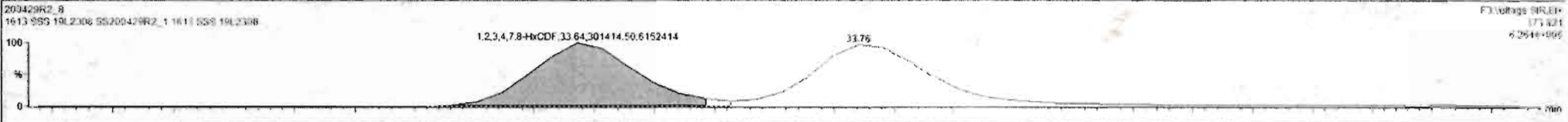
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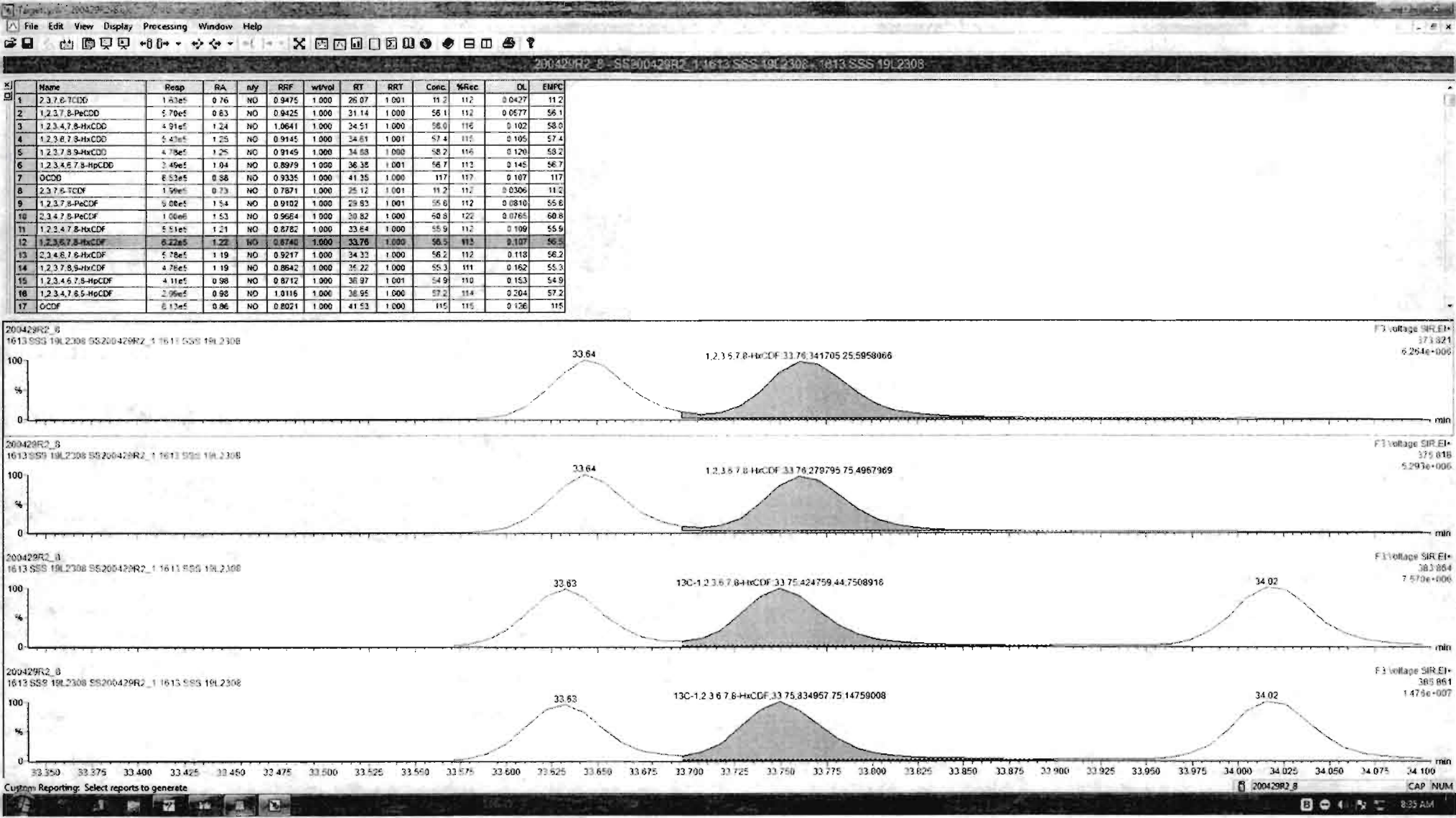
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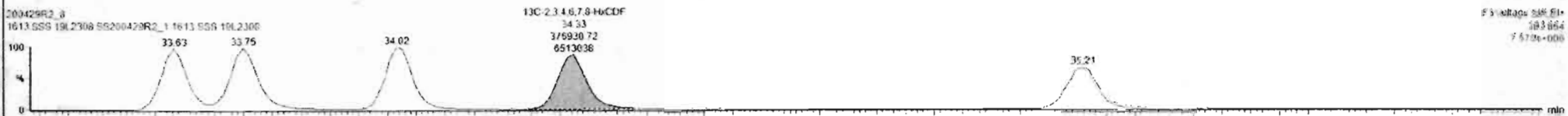
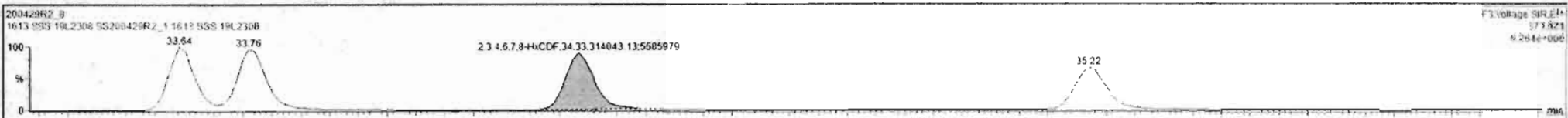
200429R2_8 - SS200429R2_1 1613 SSS 19L2308 - 1613 SSS 19L2308

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1	2,3,7,8-TCDF	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	112	0.0427	11.2
2	1,2,3,7,8-PeCDF	5.79e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	112	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	116	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.01	1.001	57.4	115	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.08	1.000	58.2	116	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.36	1.001	56.7	113	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	117	0.107	117
8	2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	112	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.08e5	1.54	NO	0.9192	1.000	29.93	1.001	55.6	112	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	122	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.31	NO	0.6782	1.000	33.64	1.000	55.9	112	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	113	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	112	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.78e5	1.19	NO	0.8542	1.000	35.22	1.000	55.3	111	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	110	0.153	54.9
16	1,2,3,4,7,8,9-HpCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	114	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	115	0.126	115

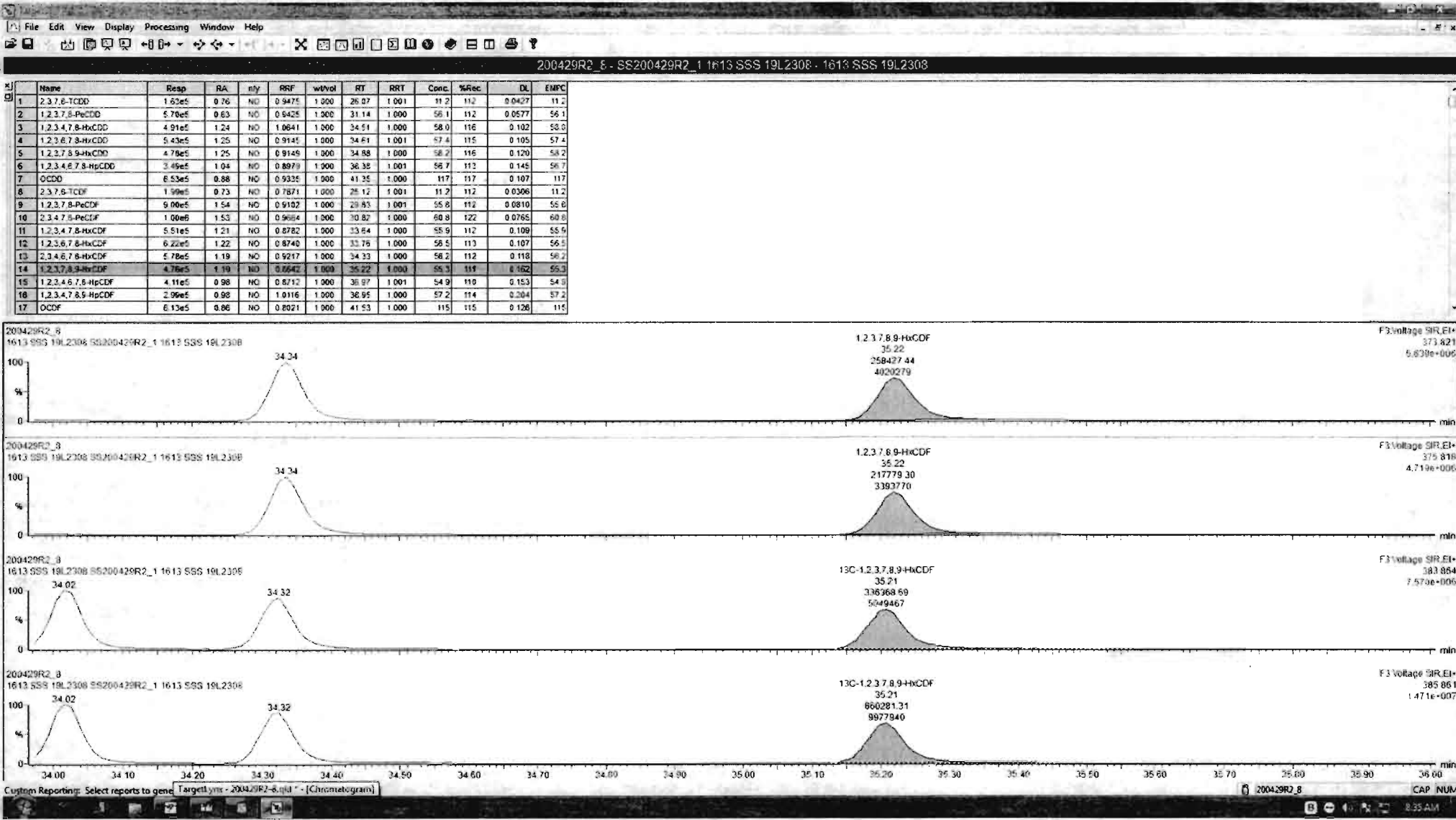




#	Name	Resp	RA	nly	RRF	wtvol	RT	RRT	Conc.	%Rec	DL	EMPC
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2	1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.6	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9145	1.000	34.88	1.000	58.2	11.6	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.38	1.001	58.7	11.3	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8	2,3,7,8-TCDF	1.59e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	11.2	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e6	1.52	NO	0.9654	1.000	29.82	1.000	60.8	12.2	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.64	1.000	55.9	11.2	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	11.3	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.79e5	1.18	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	35.22	1.000	55.3	11.1	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	11.0	0.153	54.9
16	1,2,3,4,7,8,9-HoCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	11.4	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.6	0.126	115



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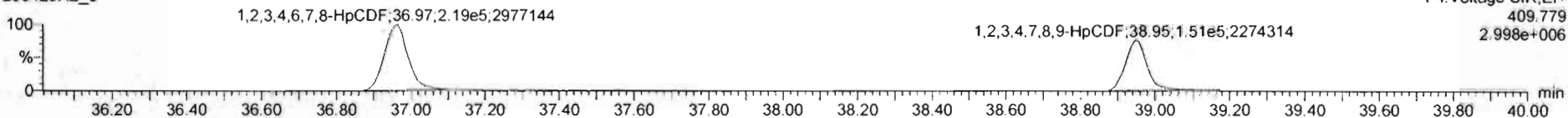
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200429R2_8

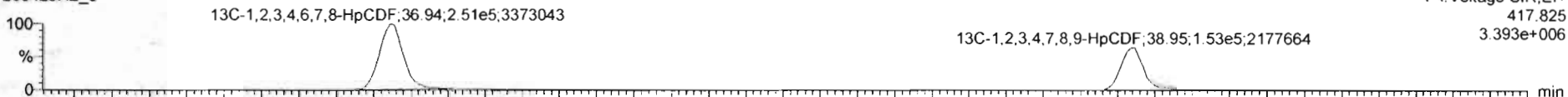


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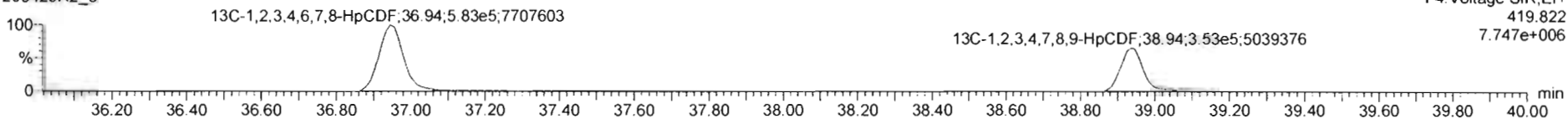


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200429R2_8

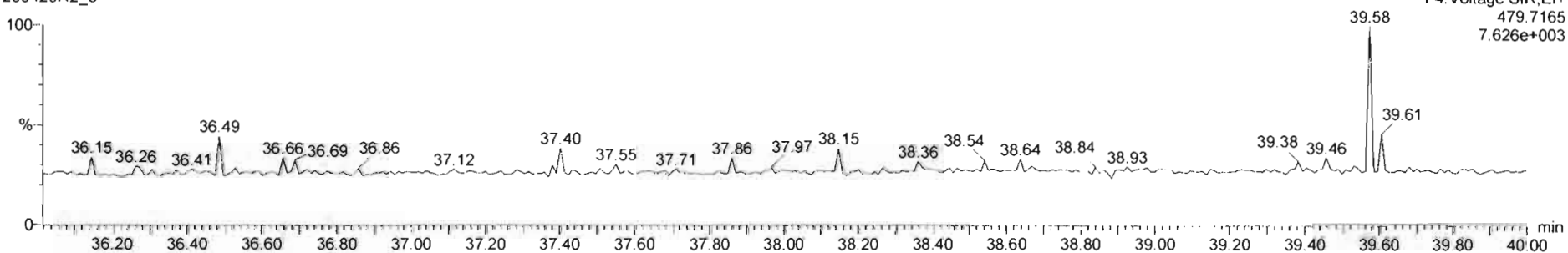


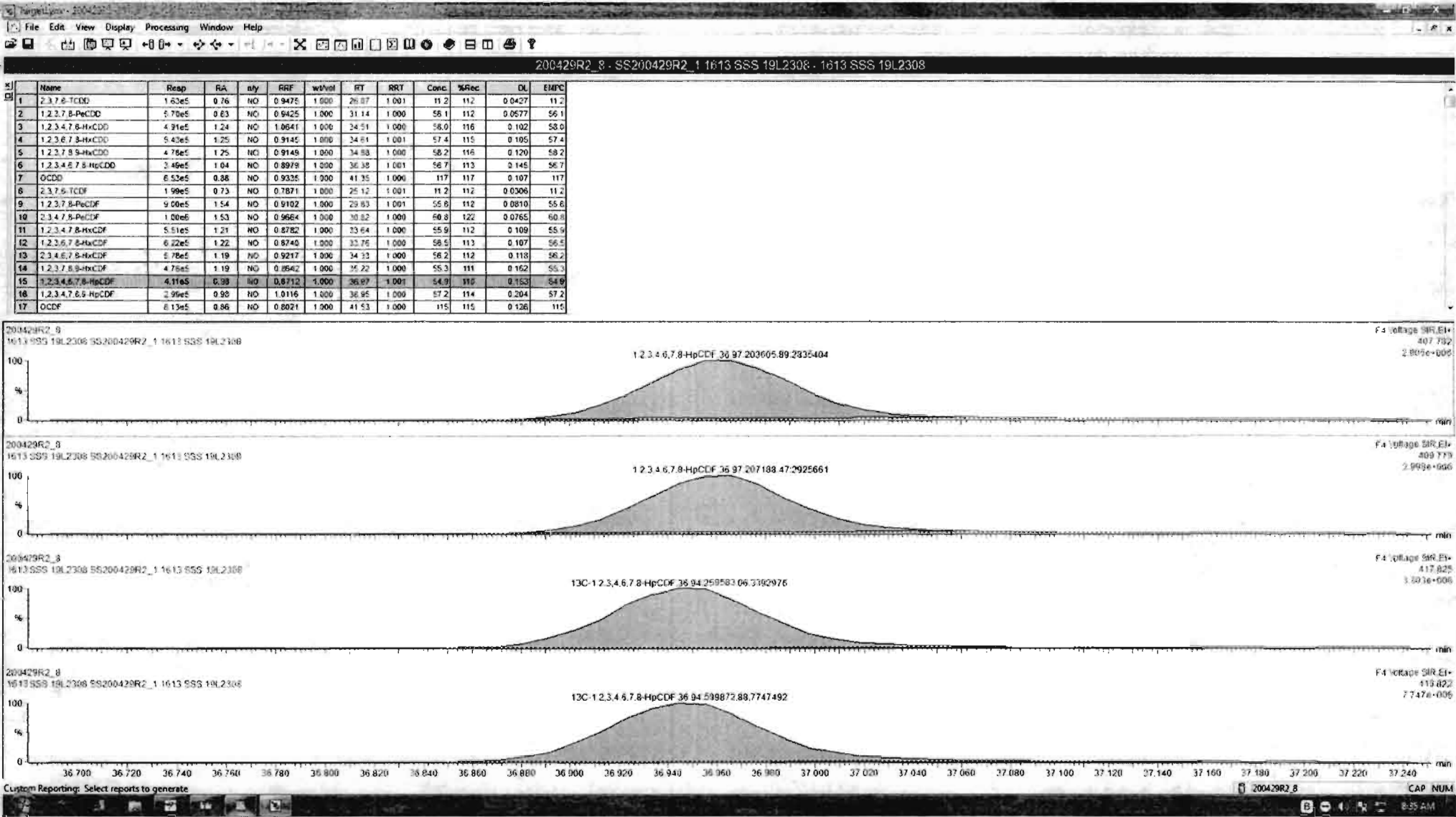
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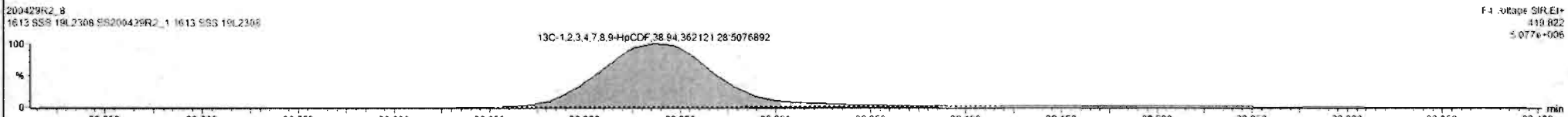
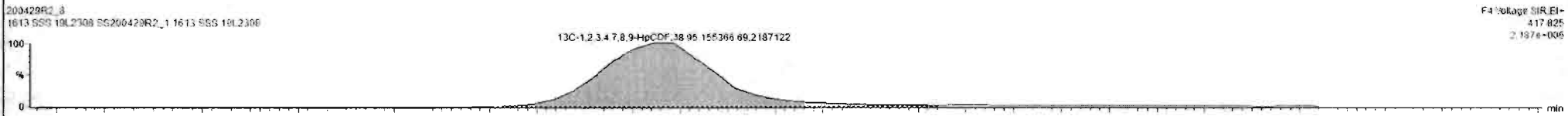
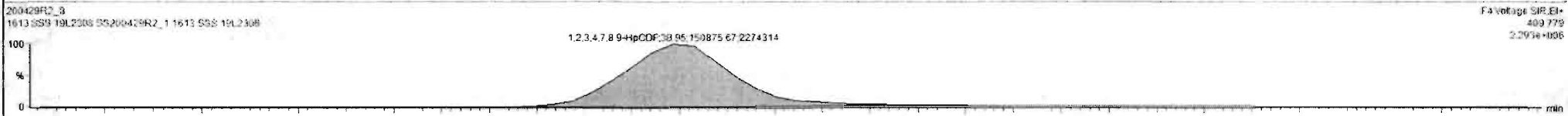
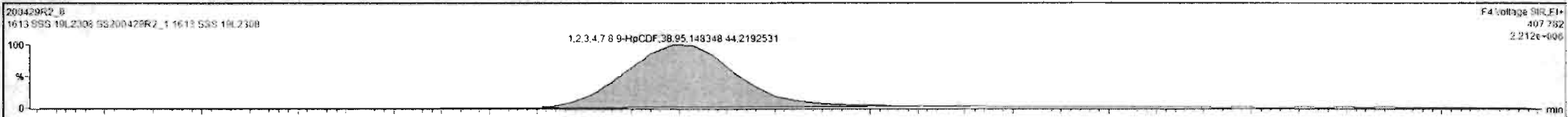
DPE4

200429R2_8





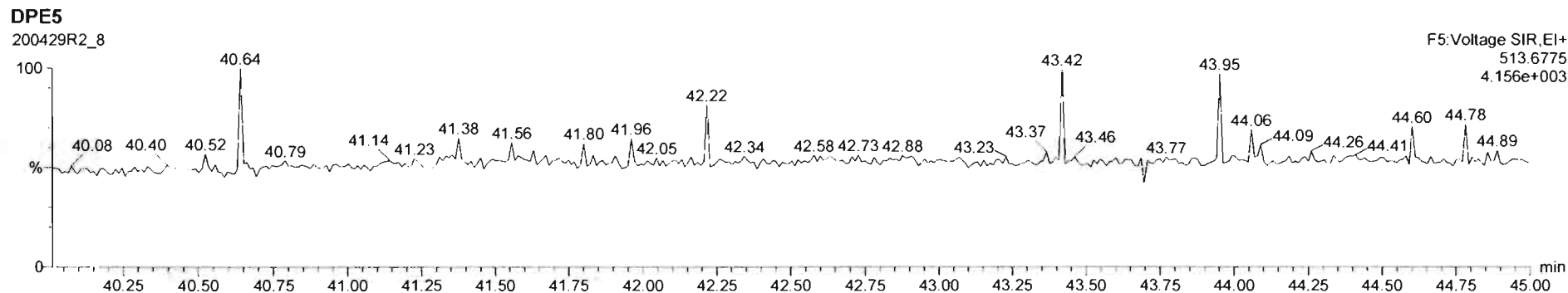
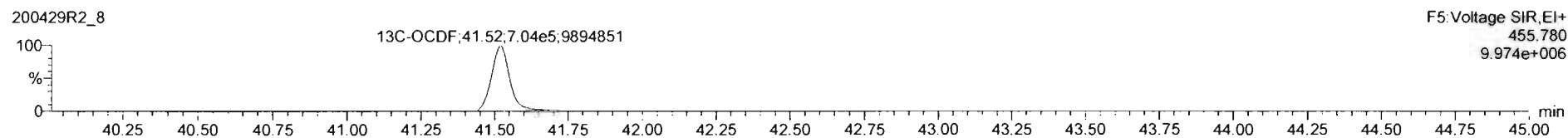
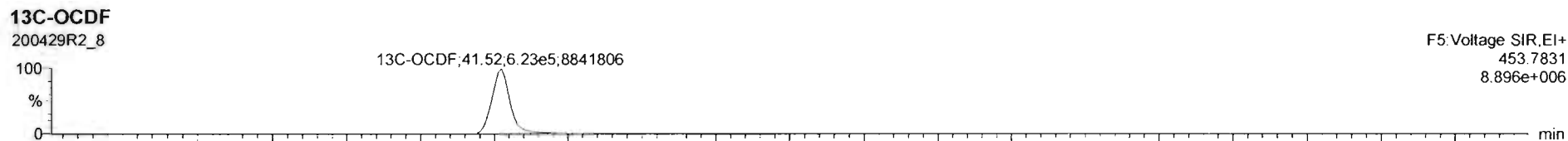
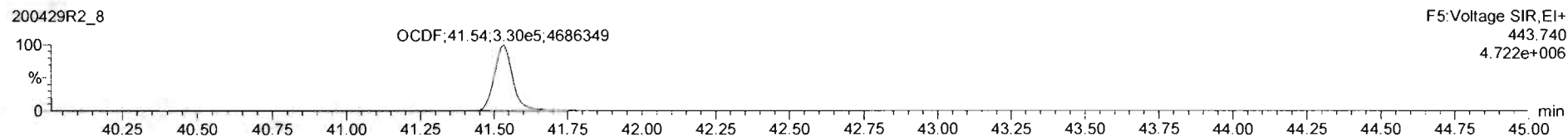
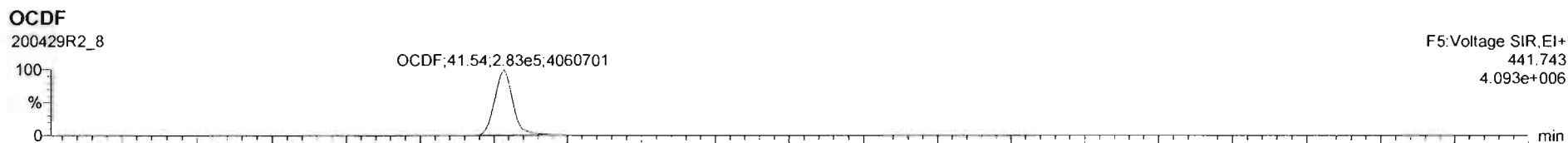
Name	Resp	RA	dy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
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2 1,2,3,7,8-PeCDD	4.70e5	0.83	NO	0.9425	1.000	31.14	1.000	58.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5 1,2,3,7,8,9-HxCDD	4.76e5	1.25	NO	0.9145	1.000	34.68	1.000	58.2	11.6	0.120	58.2
6 1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.35	1.001	56.7	11.2	0.145	56.7
7 OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.63	1.001	55.6	11.2	0.0810	55.6
10 2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	12.2	0.0765	60.8
11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.84	1.000	55.9	11.2	0.109	55.9
12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	58.5	11.3	0.107	56.5
13 2,3,4,6,7,8-HxCDF	4.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	34.22	1.000	55.3	11.1	0.162	55.3
15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.86	NO	0.8712	1.000	35.97	1.001	54.9	11.0	0.153	54.9
16 1,2,3,4,7,8,9-HpCDF	2.95e5	0.96	NO	1.0115	1.000	35.95	1.000	57.2	11.4	0.204	57.2
17 OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.5	0.126	115



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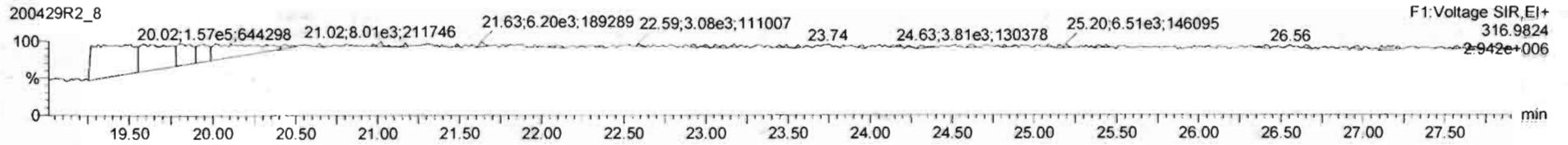
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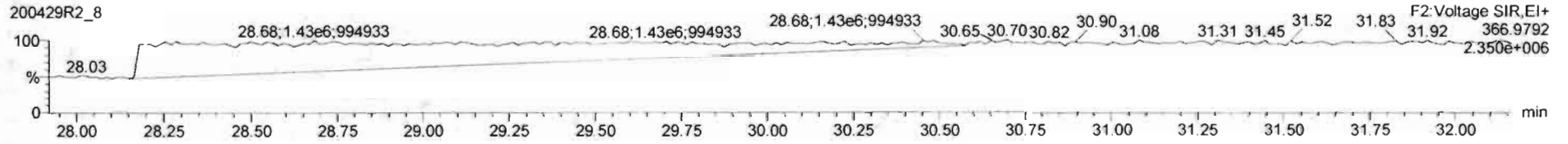
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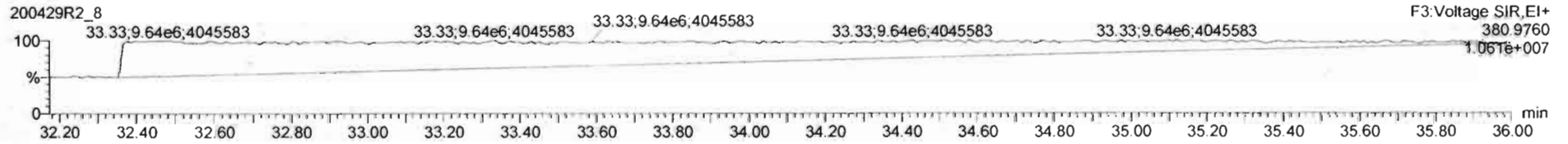
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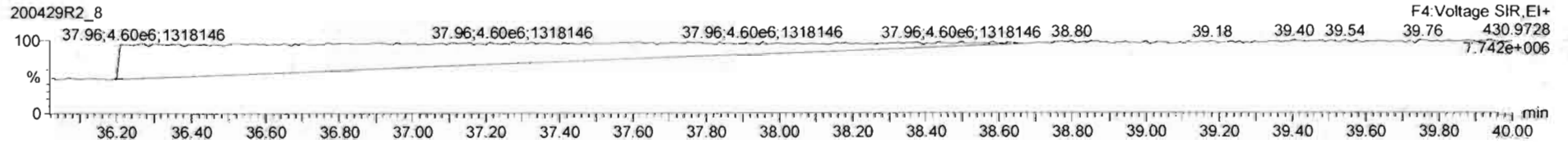
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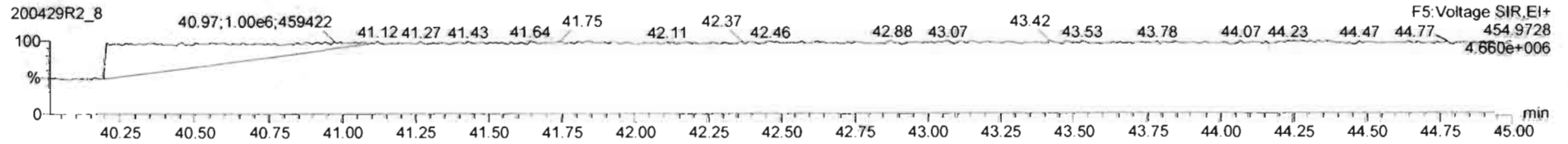
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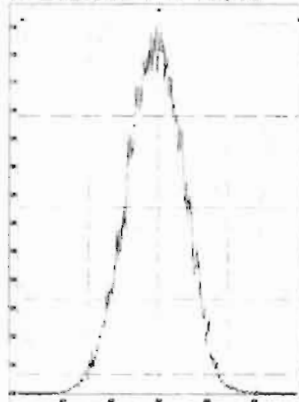
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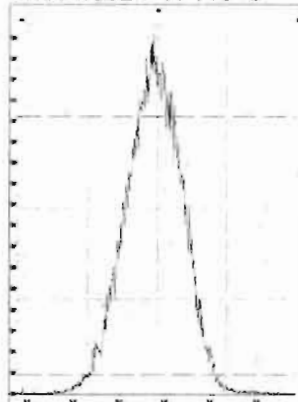
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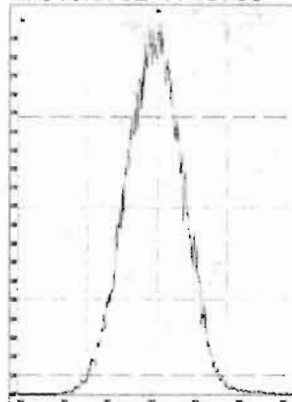
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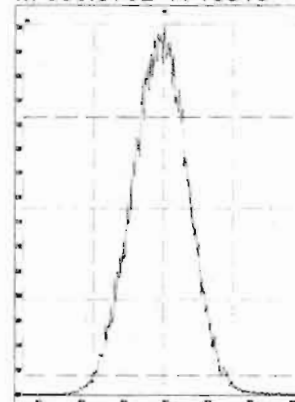
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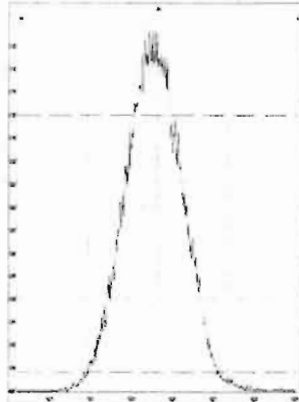
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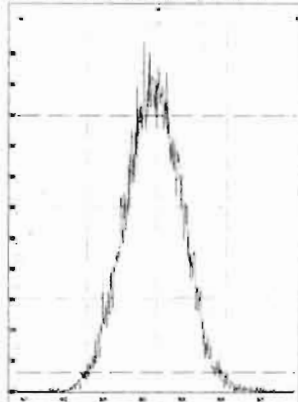
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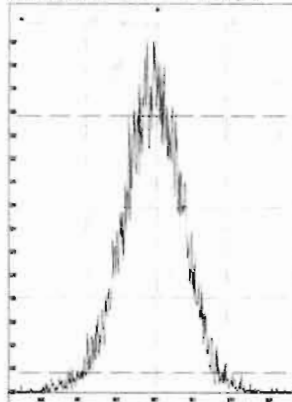
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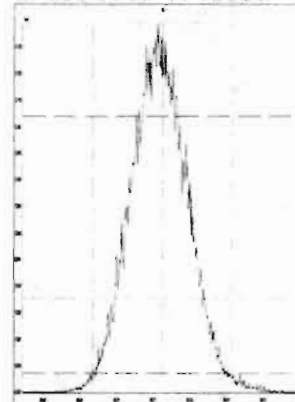
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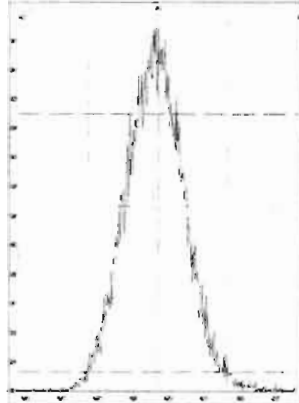
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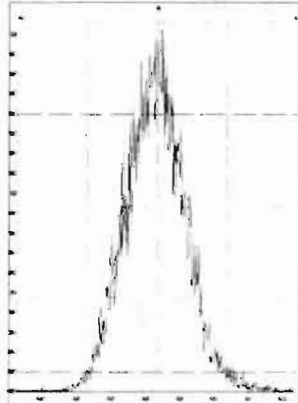
M 380.9760 R 10869



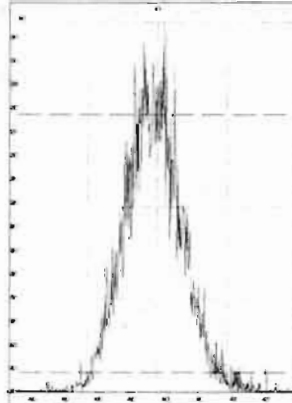
M 392.9760 R 10202



M 404.9760 R 10370



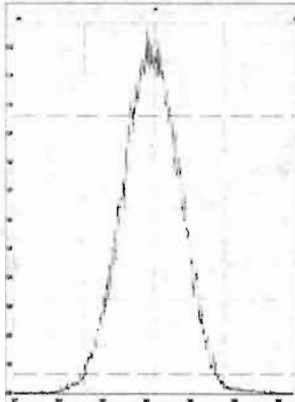
M 416.9760 R 11012



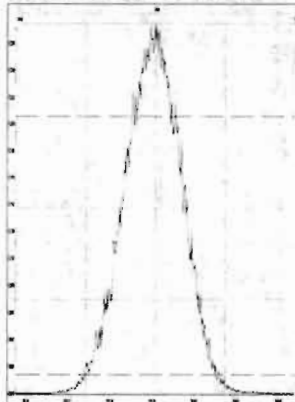
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

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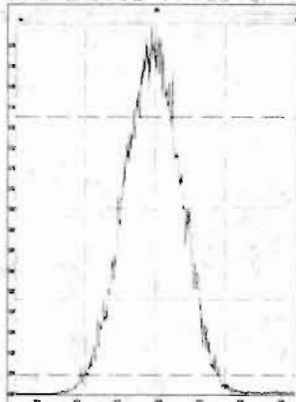
M 318.9792 R 10731



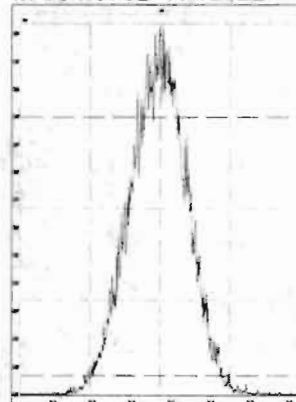
M 330.9792 R 10547



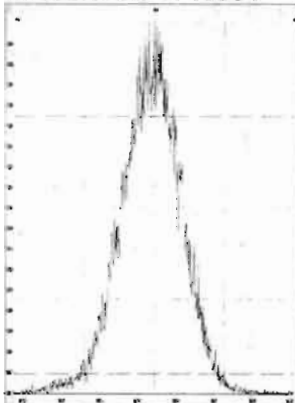
M 342.9792 R 10640



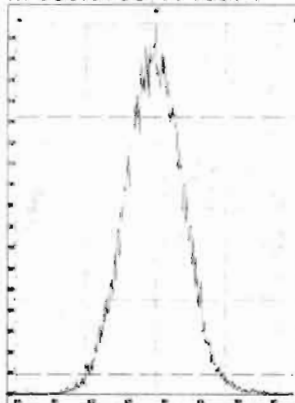
M 354.9792 R 10822



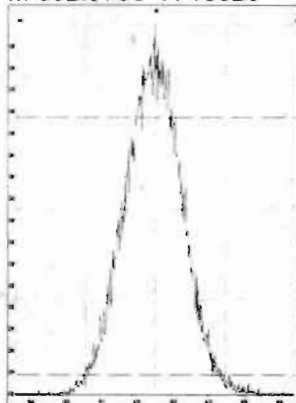
M 366.9792 R 10681



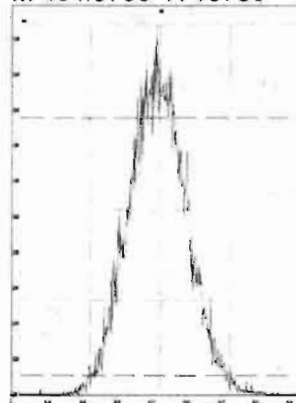
M 380.9760 R 10374



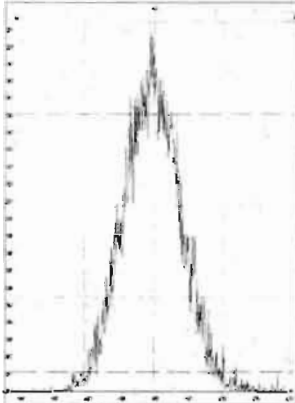
M 392.9760 R 10329



M 404.9760 R 10730



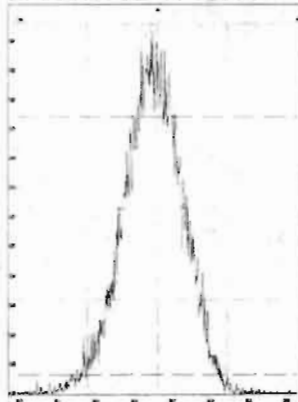
M 416.9760 R 12018



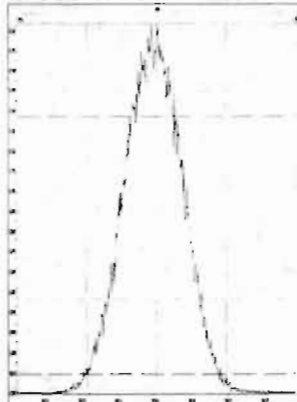
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:17:57 Pacific Daylight Time

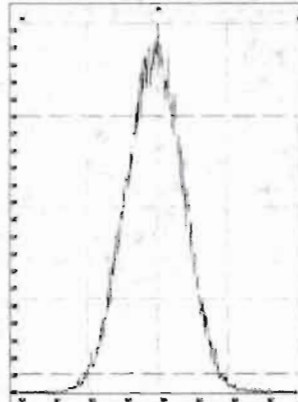
M 366.9792 R 10079



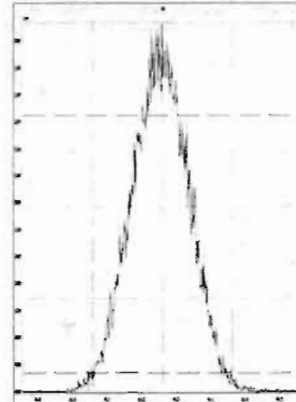
M 380.9760 R 10590



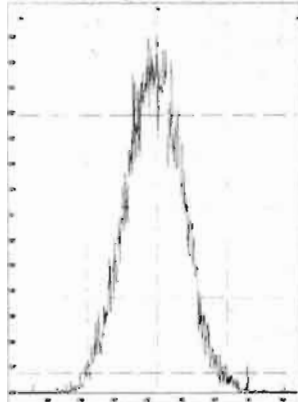
M 392.9760 R 10592



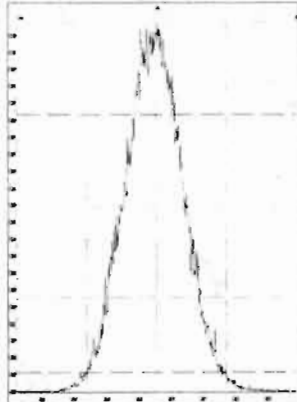
M 404.9760 R 11010



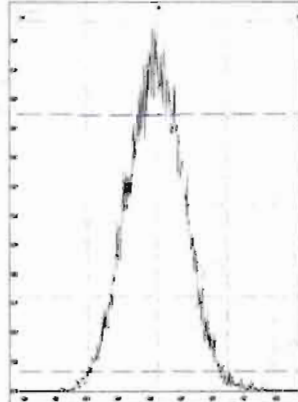
M 416.9760 R 10964



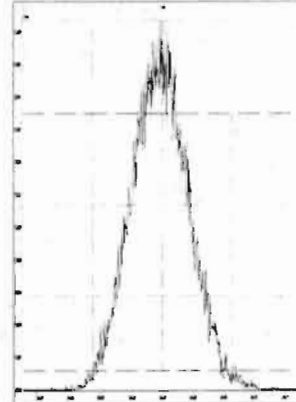
M 430.9728 R 10415



M 442.9728 R 10730



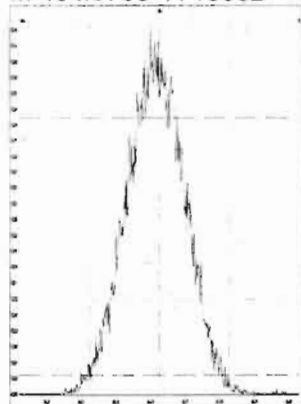
M 454.9728 R 11260



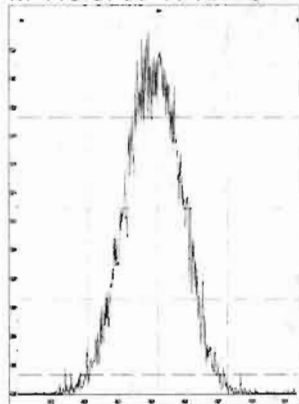
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Printed: Thursday, April 30, 2020 07:18:12 Pacific Daylight Time

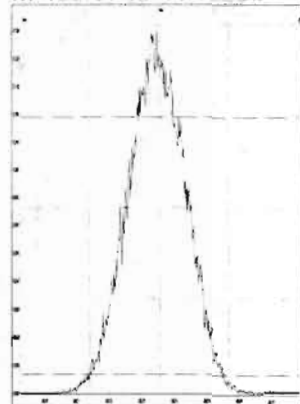
M 404.9760 R 10682



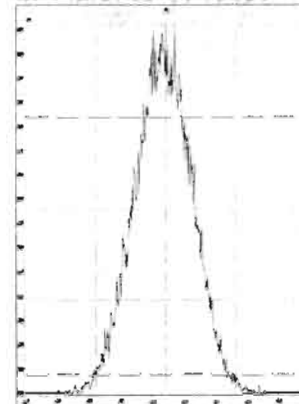
M 416.9760 R 10776



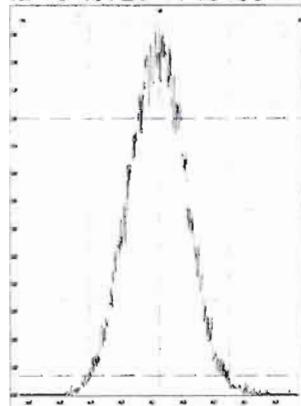
M 430.9728 R 10503



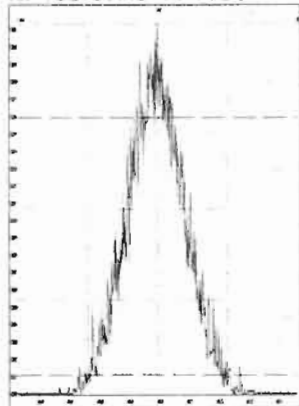
M 442.9728 R 10505



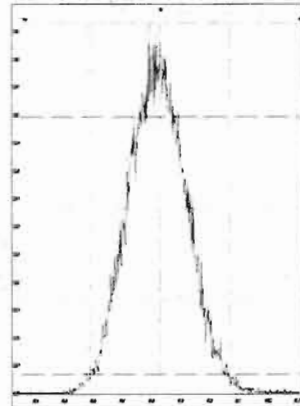
M 454.9728 R 10460



M 466.9728 R 10591



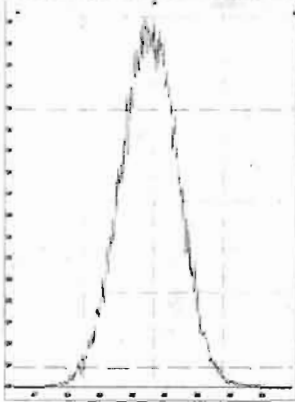
M 480.9696 R 10040



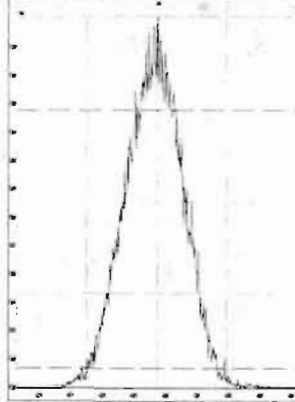
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:18:29 Pacific Daylight Time

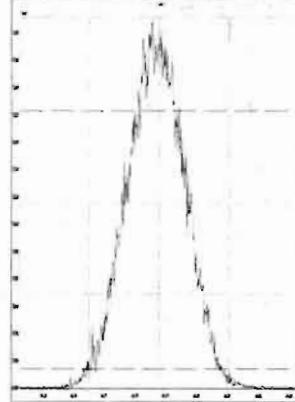
M 430.9728 R 10684



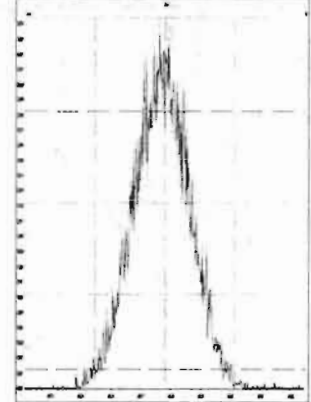
M 442.9728 R 10637



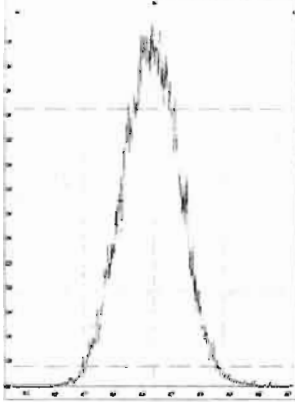
M 454.9728 R 11259



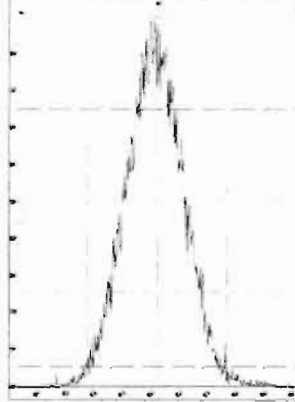
M 466.9728 R 11261



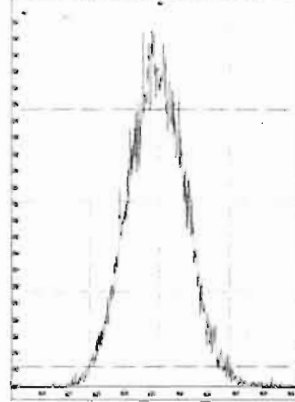
M 480.9696 R 10728



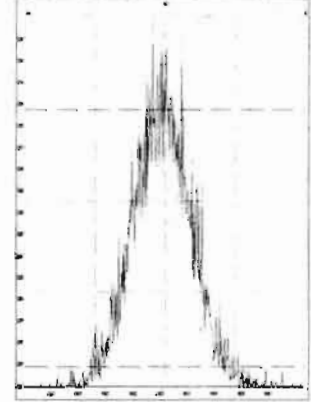
M 492.9696 R 10867



M 504.9696 R 10869



M 516.9697 R 11738



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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GRB 05/29/2020

CI 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

Response Factor: 0.88831
RRF SD: 0.0677802, Relative SD: 7.63025
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	0.250	0.68	NO	26.54	1.000	2.70e3	1.43e6	0.213	-14.8	0.757	bb
2	200528R2_2	0.500	0.78	NO	26.57	1.001	5.69e3	1.29e6	0.497	-0.6	0.883	bb
3	200528R2_3	2.00	0.80	NO	26.57	1.001	2.40e4	1.31e6	2.06	3.1	0.916	bb
4	200528R2_4	40.0	0.78	NO	26.56	1.001	5.50e5	1.50e6	41.2	3.0	0.915	bb
5	200528R2_5	300	0.78	NO	26.59	1.001	4.32e6	1.52e6	321	6.9	0.949	bb
6	200528R2_6	10.0	0.81	NO	26.59	1.001	1.06e5	1.16e6	10.2	2.4	0.910	dd

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.908065
RRF SD: 0.0455724, Relative SD: 5.01862
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	0.66	NO	31.50	1.000	1.03e4	1.00e6	1.12	-10.0	0.817	bb
2	200528R2_2	2.50	0.64	NO	31.51	1.000	2.12e4	9.36e5	2.50	-0.1	0.908	bb
3	200528R2_3	10.0	0.63	NO	31.51	1.000	8.60e4	9.29e5	10.2	1.9	0.926	bb
4	200528R2_4	200	0.63	NO	31.51	1.000	2.06e6	1.11e6	205	2.4	0.930	bb
5	200528R2_5	1500	0.63	NO	31.51	1.000	1.69e7	1.21e6	1550	3.0	0.935	bb
6	200528R2_6	50.0	0.62	NO	31.53	1.001	3.95e5	8.48e5	51.3	2.7	0.932	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.03343

RRF SD: 0.0545572, Relative SD: 5.27925

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.27	NO	34.86	1.000	8.03e3	6.95e5	1.12	-10.6	0.924	MM
2	200528R2_2	2.50	1.27	NO	34.88	1.000	1.69e4	6.46e5	2.53	1.2	1.05	bd
3	200528R2_3	10.0	1.24	NO	34.88	1.000	6.94e4	6.61e5	10.2	1.6	1.05	bd
4	200528R2_4	200	1.23	NO	34.88	1.001	1.67e6	7.89e5	204	2.1	1.06	MM
5	200528R2_5	1500	1.23	NO	34.88	1.000	1.47e7	9.34e5	1520	1.5	1.05	bd
6	200528R2_6	50.0	1.23	NO	34.89	1.000	3.25e5	6.04e5	52.1	4.1	1.08	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.892293

RRF SD: 0.0561127, Relative SD: 6.28859

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.23	NO	34.97	1.001	9.27e3	9.27e5	1.12	-10.3	0.800	db
2	200528R2_2	2.50	1.25	NO	34.99	1.001	1.90e4	8.61e5	2.47	-1.1	0.883	db
3	200528R2_3	10.0	1.24	NO	34.99	1.000	8.01e4	8.39e5	10.7	7.0	0.954	db
4	200528R2_4	200	1.22	NO	34.99	1.001	1.92e6	1.03e6	209	4.3	0.931	MM
5	200528R2_5	1500	1.23	NO	34.99	1.000	1.61e7	1.17e6	1550	3.5	0.923	db
6	200528R2_6	50.0	1.24	NO	35.00	1.001	3.51e5	8.15e5	48.3	-3.4	0.862	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.886936

RRF SD: 0.0582559, Relative SD: 6.56822

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.20	NO	35.25	1.000	8.14e3	8.33e5	1.10	-11.9	0.782	bb
2	200528R2_2	2.50	1.21	NO	35.27	1.001	1.62e4	7.48e5	2.44	-2.3	0.866	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.26	NO	35.26	1.000	7.01e4	7.53e5	10.5	4.9	0.931	bb
4	200528R2_4	200	1.20	NO	35.26	1.000	1.70e6	9.12e5	210	4.9	0.931	bb
5	200528R2_5	1500	1.22	NO	35.27	1.000	1.47e7	1.06e6	1570	4.5	0.927	bb
6	200528R2_6	50.0	1.24	NO	35.27	1.000	3.12e5	7.05e5	49.9	-0.2	0.886	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.863903
 RRF SD: 0.0694586, Relative SD: 8.04009
 Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	0.99	NO	38.78	1.000	6.10e3	6.48e5	1.09	-12.8	0.753	MM
2	200528R2_2	2.50	1.05	NO	38.81	1.001	1.21e4	6.01e5	2.33	-6.7	0.806	bb
3	200528R2_3	10.0	1.03	NO	38.80	1.000	4.99e4	5.57e5	10.4	3.7	0.896	bd
4	200528R2_4	200	1.02	NO	38.80	1.000	1.25e6	6.86e5	211	5.5	0.911	bb
5	200528R2_5	1500	1.01	NO	38.81	1.000	1.15e7	8.18e5	1620	8.0	0.933	bb
6	200528R2_6	50.0	1.03	NO	38.81	1.000	2.29e5	5.18e5	51.2	2.4	0.884	MM

Compound name: OCDD

Response Factor: 0.913637
 RRF SD: 0.0452527, Relative SD: 4.95303
 Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	2.50	0.85	NO	41.76	1.000	1.23e4	1.18e6	2.27	-9.1	0.831	bd
2	200528R2_2	5.00	0.83	NO	41.77	1.000	2.39e4	1.05e6	4.97	-0.6	0.908	bd
3	200528R2_3	20.0	0.89	NO	41.78	1.000	9.89e4	1.03e6	21.0	4.9	0.959	MM
4	200528R2_4	400	0.87	NO	41.77	1.000	2.45e6	1.35e6	397	-0.6	0.908	MM
5	200528R2_5	3000	0.84	NO	41.79	1.000	2.37e7	1.67e6	3100	3.2	0.943	MM
6	200528R2_6	100	0.88	NO	41.78	1.000	4.53e5	9.71e5	102	2.2	0.933	MM

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

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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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Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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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
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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

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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	200528R2_1	100	0.50	NO	34.37	1.000	8.40e5	8.40e5	100	0.0	1.00	bb
2	200528R2_2	100	0.51	NO	34.38	1.000	9.66e5	9.66e5	100	0.0	1.00	bb
3	200528R2_3	100	0.51	NO	34.39	1.000	9.75e5	9.75e5	100	0.0	1.00	bb
4	200528R2_4	100	0.51	NO	34.38	1.000	9.81e5	9.81e5	100	0.0	1.00	bb
5	200528R2_5	100	0.51	NO	34.39	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
6	200528R2_6	100	0.50	NO	34.39	1.000	7.84e5	7.84e5	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

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

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.59
2	2 1,2,8,9-TCDD (Last)	27.53
3	3 1,2,4,7,9-PeCDD (First)	29.32
4	4 1,2,3,8,9-PeCDD (Last)	31.89
5	5 1,2,4,6,7,9-HxCDD (First)	33.39
6	6 1,2,3,7,8,9-HxCDD (Last)	35.27
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.81
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.81
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.68
11	11 1,3,4,6,8-PeCDF (First)	27.64
12	12 1,2,3,8,9-PeCDF (Last)	32.14
13	13 1,2,3,4,6,8-HxCDF (First)	32.83
14	14 1,2,3,7,8,9-HxCDF (Last)	35.63
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.41
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.34

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

GRB 05/29/2020

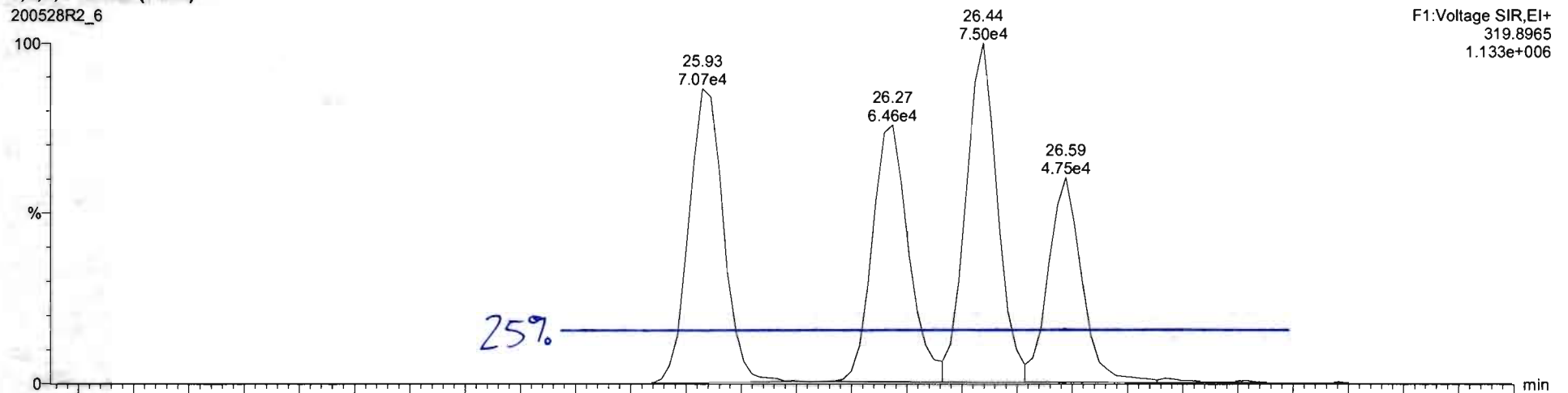
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

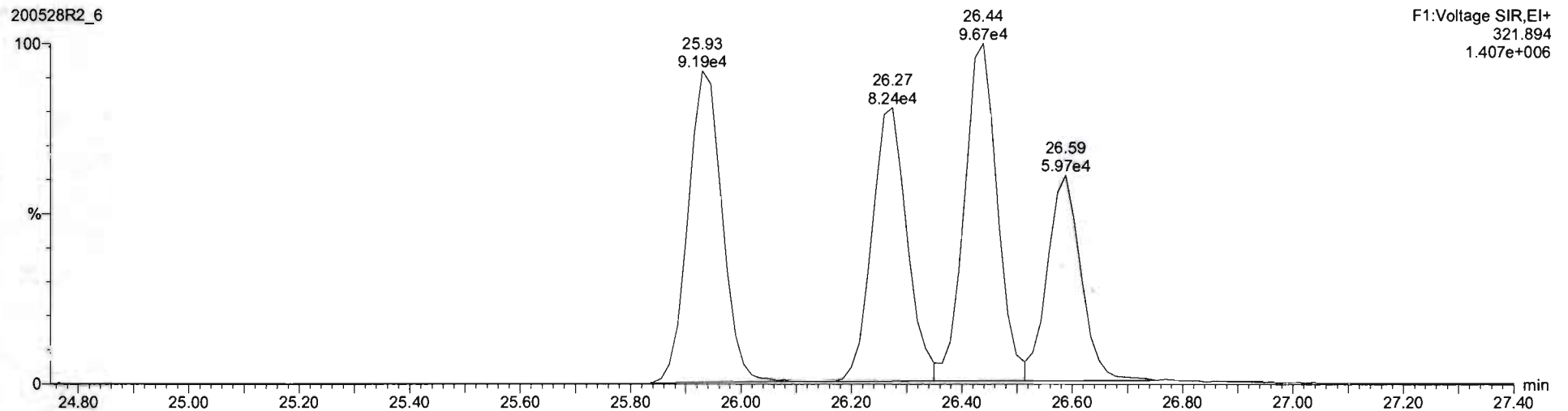
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

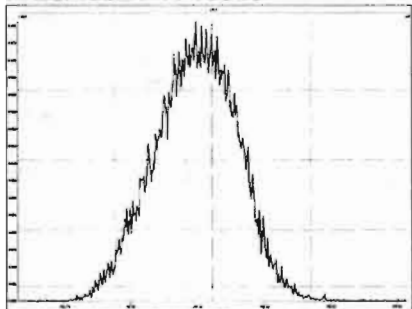
Experiment Calibration Report

MassLynx 4.1 SCN815

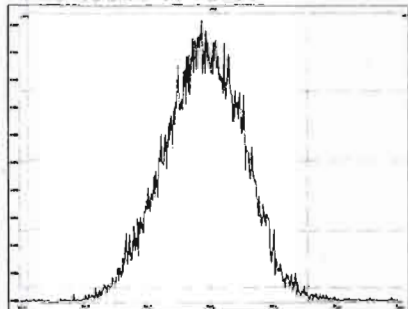
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Printed: Thursday, May 28, 2020 11:48:59 Pacific Daylight Time

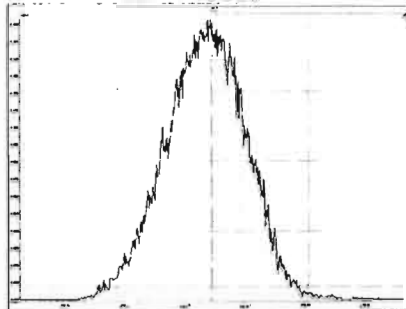
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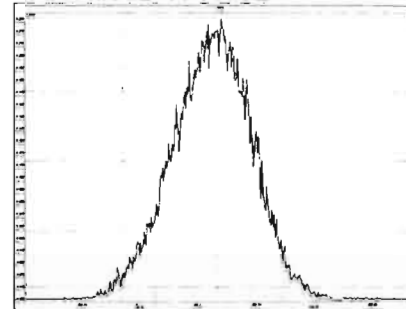
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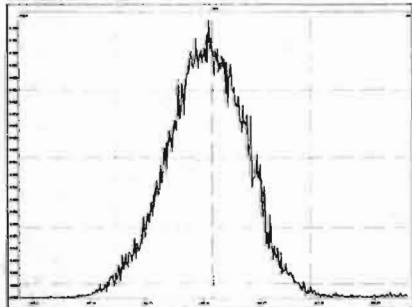
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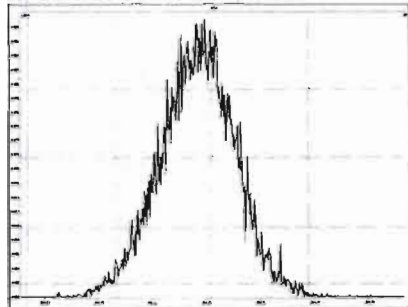
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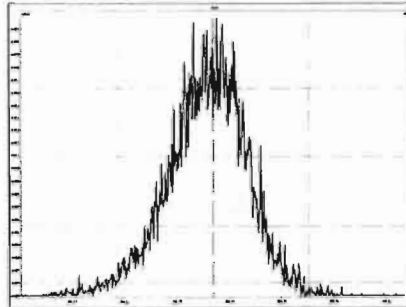
M 342.9792 R 10247



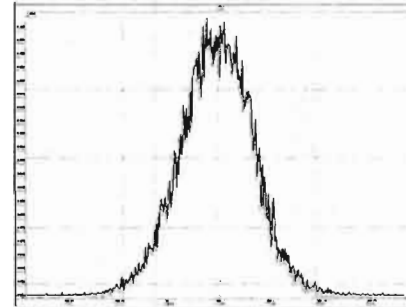
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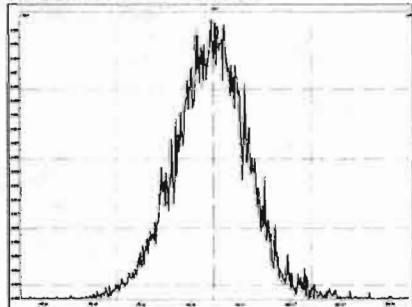
M 366.9792 R 11417



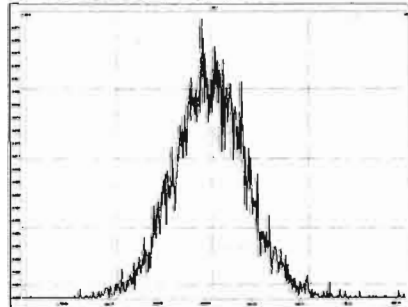
M 380.9760 R 11062



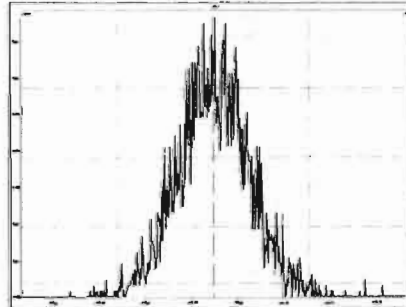
M 392.9760 R 11790



M 404.9760 R 12316



M 416.9760 R 12754



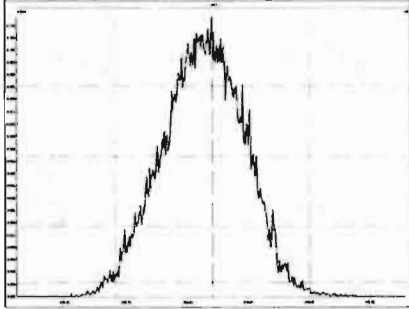
Experiment Calibration Report

MassLynx 4.1 SCN815

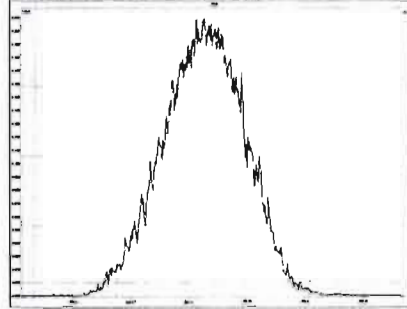
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:49:33 Pacific Daylight Time

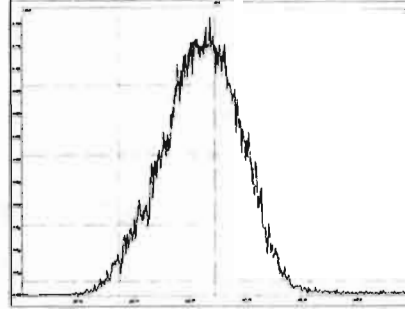
M 318.9792 R 10247



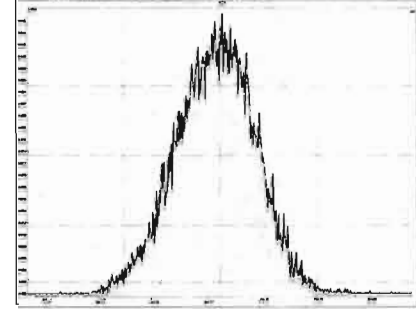
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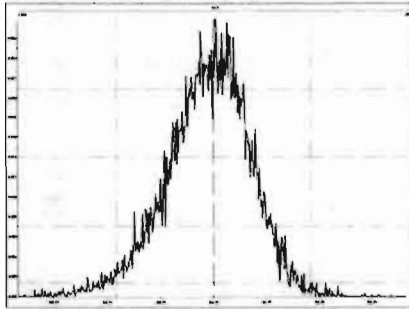
M 342.9792 R 10370



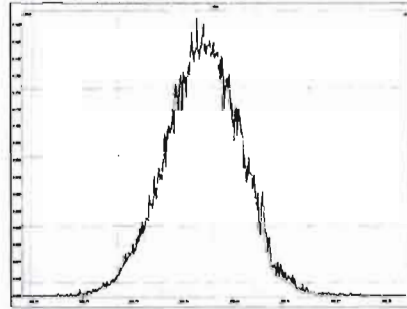
M 354.9792 R 10822



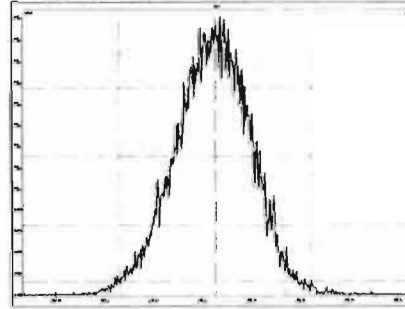
M 366.9792 R 10963



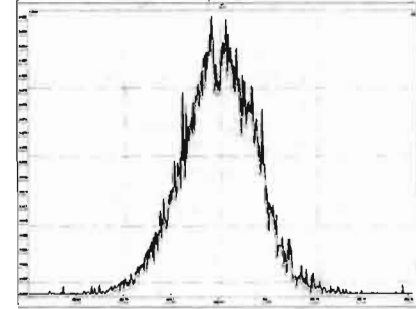
M 380.9760 R 10594



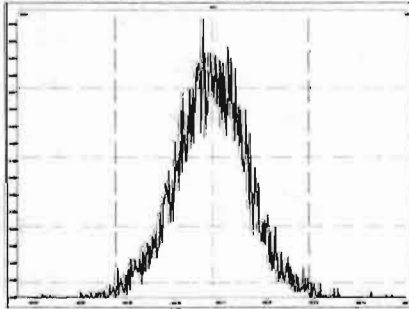
M 392.9760 R 10821



M 404.9760 R 11845



M 416.9760 R 12018



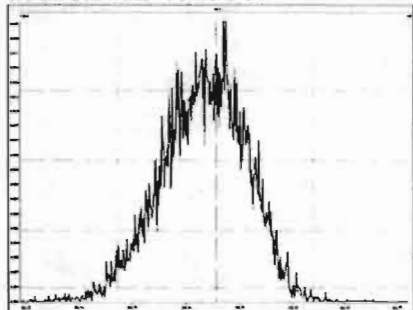
Experiment Calibration Report

MassLynx 4.1 SCN815

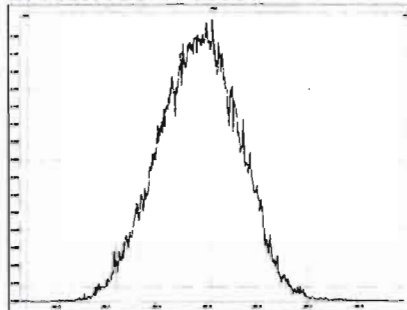
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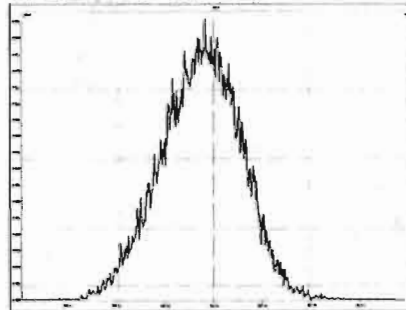
M 366.9792 R 10641



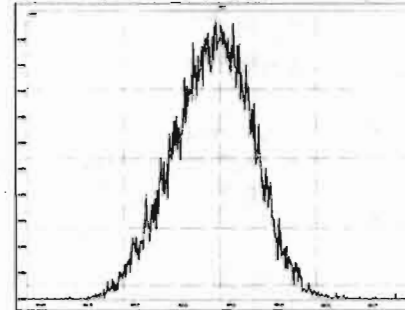
M 380.9760 R 10331



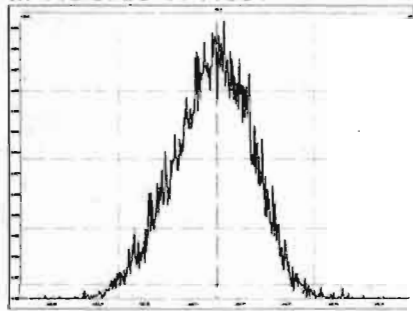
M 392.9760 R 10459



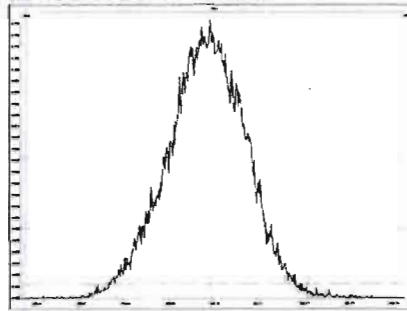
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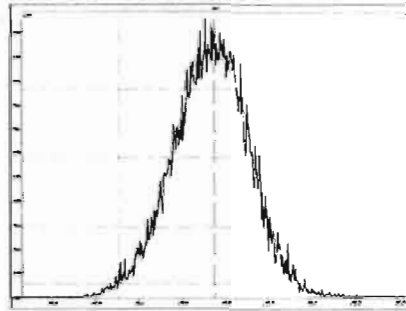
M 416.9760 R 11061



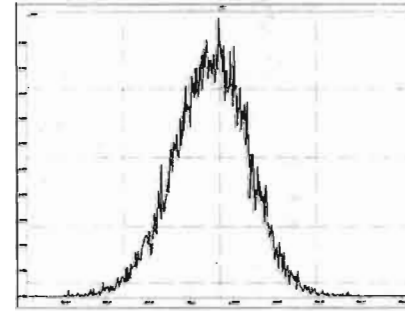
M 430.9728 R 10290



M 442.9728 R 10593



M 454.9728 R 10919



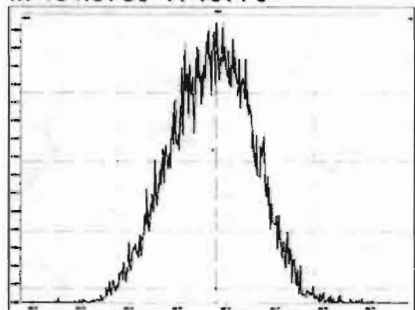
Experiment Calibration Report

MassLynx 4.1 SCN815

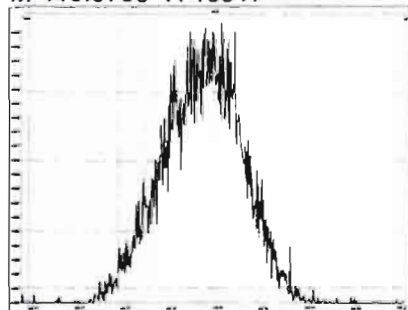
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:03 Pacific Daylight Time

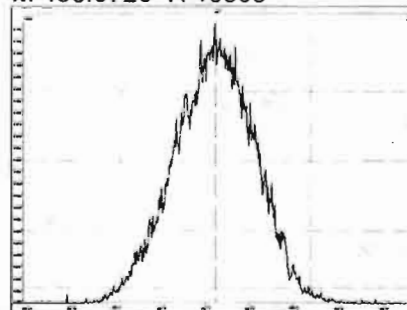
M 404.9760 R 10778



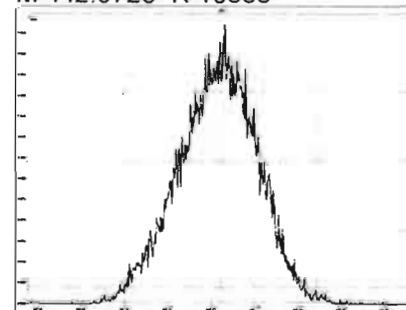
M 416.9760 R 10917



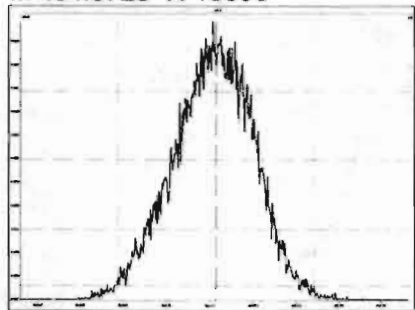
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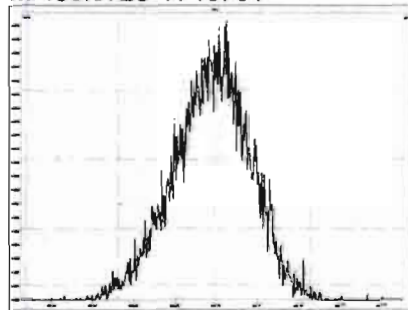
M 442.9728 R 10636



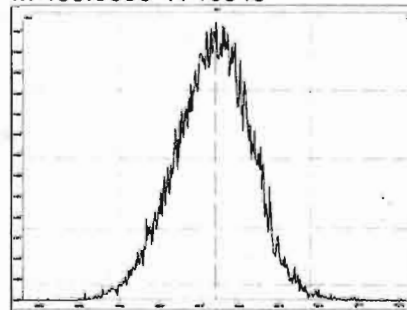
M 454.9728 R 10638



M 466.9728 R 10731



M 480.9696 R 10545



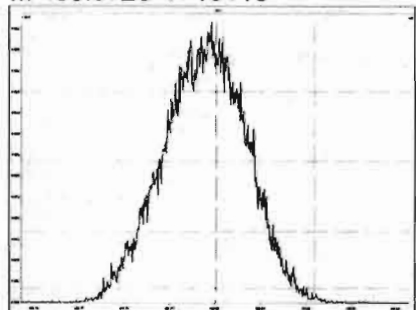
Experiment Calibration Report

MassLynx 4.1 SCN815

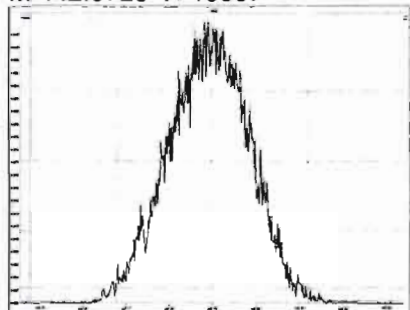
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:45 Pacific Daylight Time

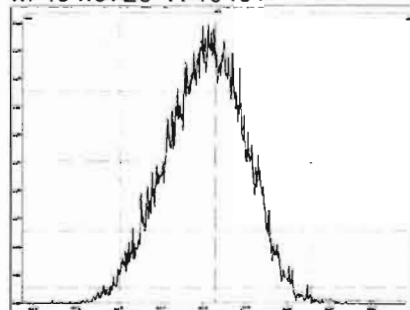
M 430.9728 R 10118



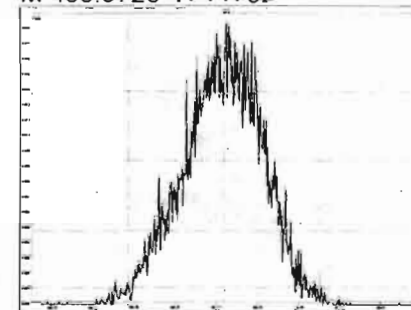
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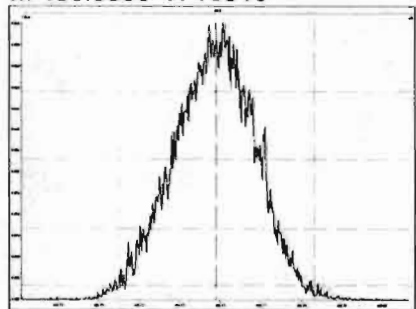
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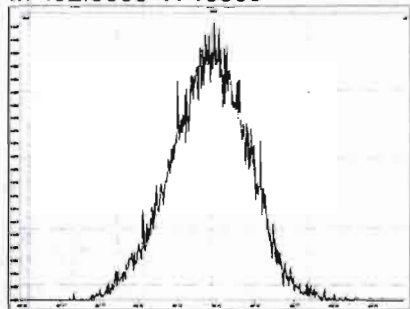
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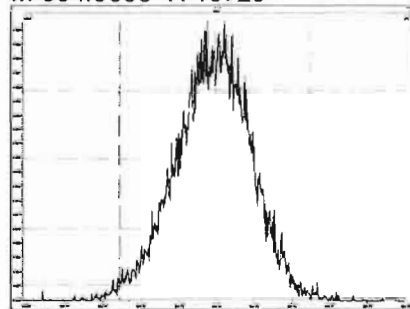
M 480.9696 R 10915



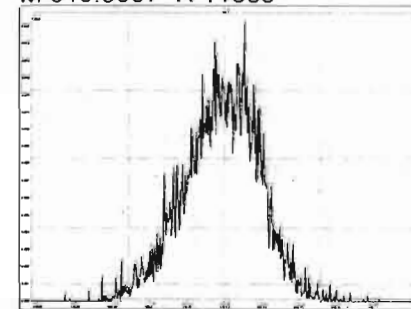
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M 504.9696 R 10729



M 516.9697 R 11683



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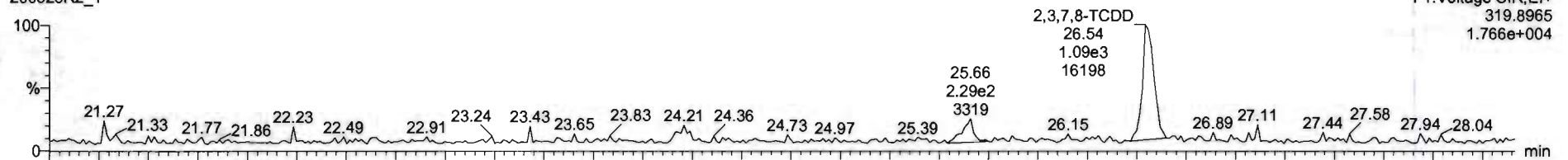
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Calibration: 29 May 2020 07:49:30

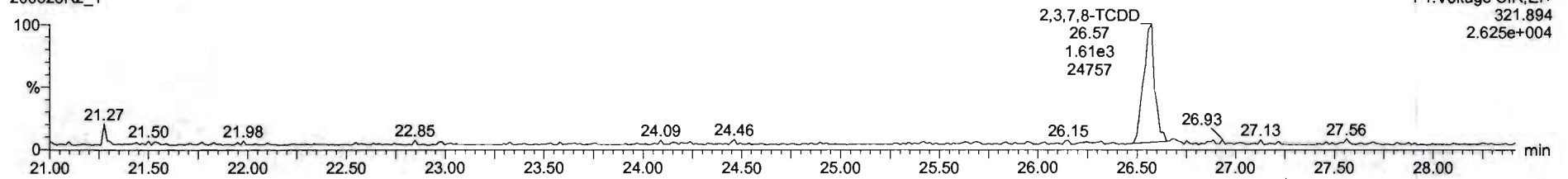
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2,3,7,8-TCDD

200528R2_1

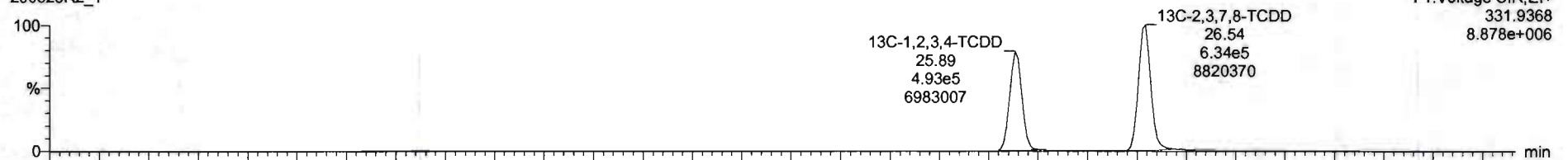


200528R2_1

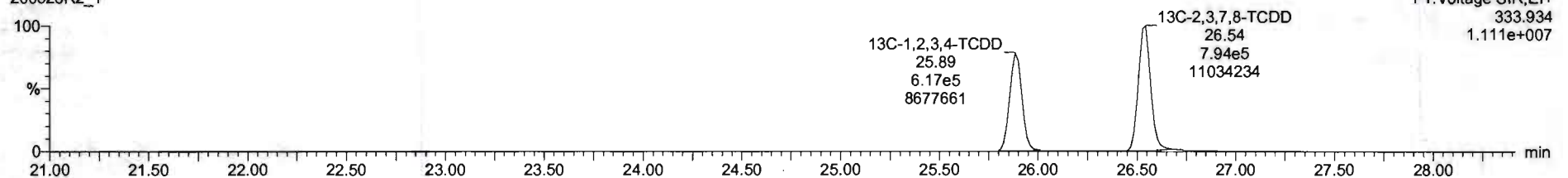


13C-2,3,7,8-TCDD

200528R2_1



200528R2_1



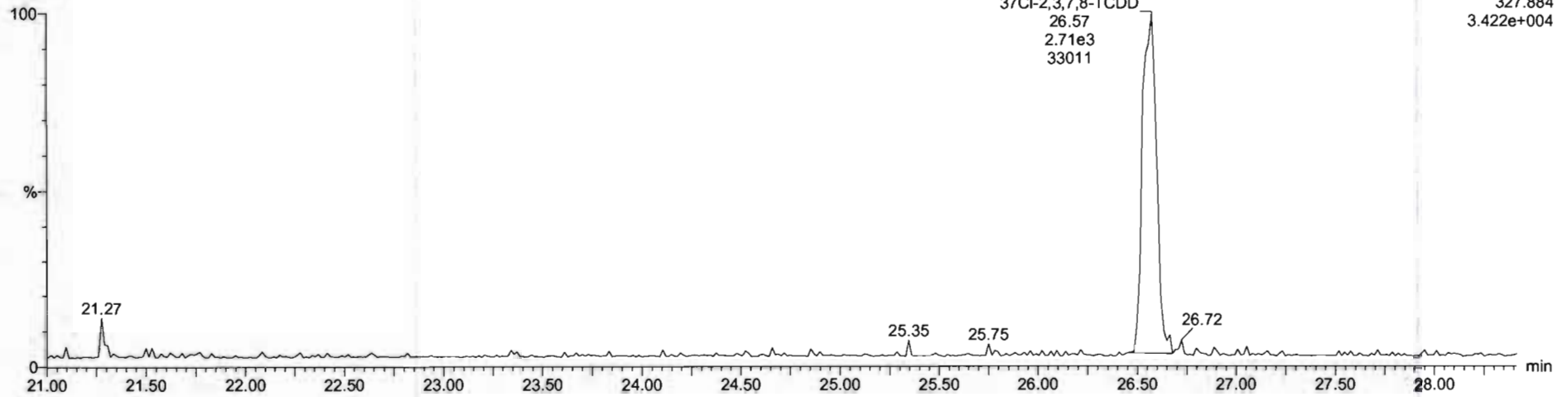
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37Cl-2,3,7,8-TCDD

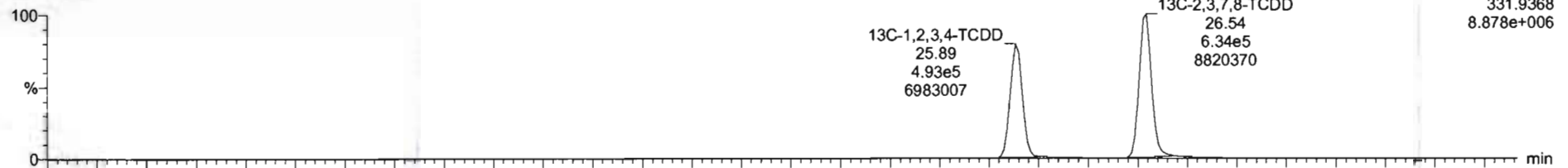
200528R2_1



F1: Voltage SIR, EI+
327.884
3.422e+004

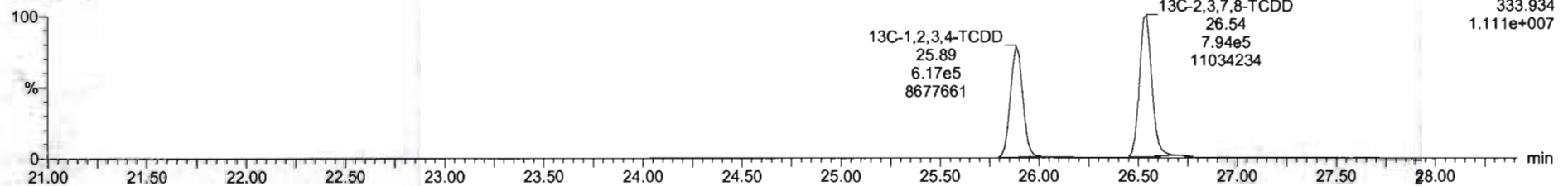
13C-1,2,3,4-TCDD

200528R2_1



F1: Voltage SIR, EI+
331.9368
8.878e+006

200528R2_1



F1: Voltage SIR, EI+
333.934
1.111e+007

Dataset: Untitled

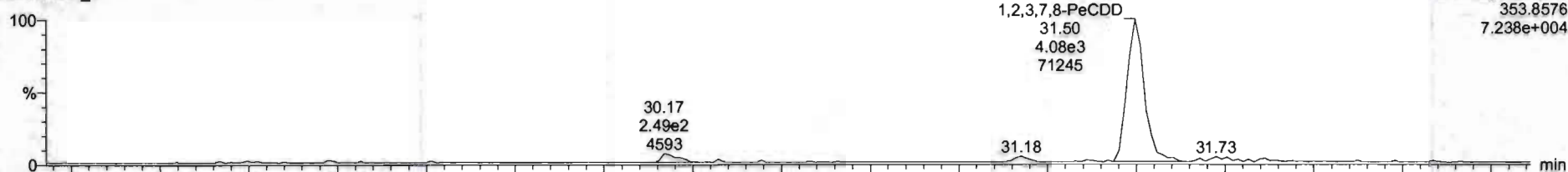
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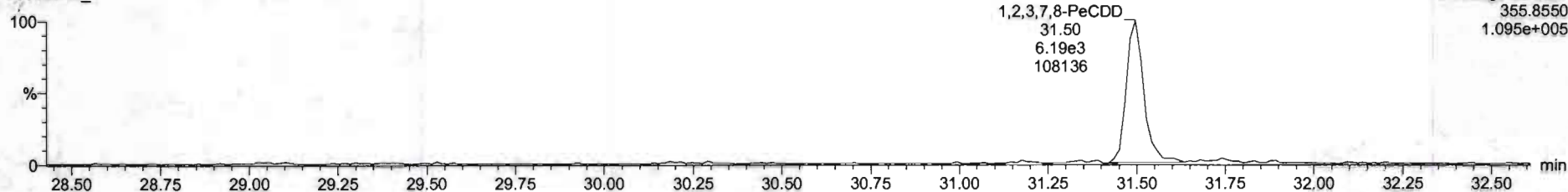
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1,2,3,7,8-PeCDD

200528R2_1

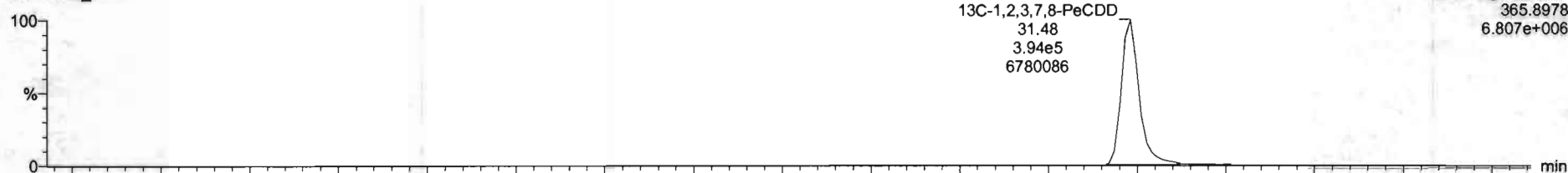


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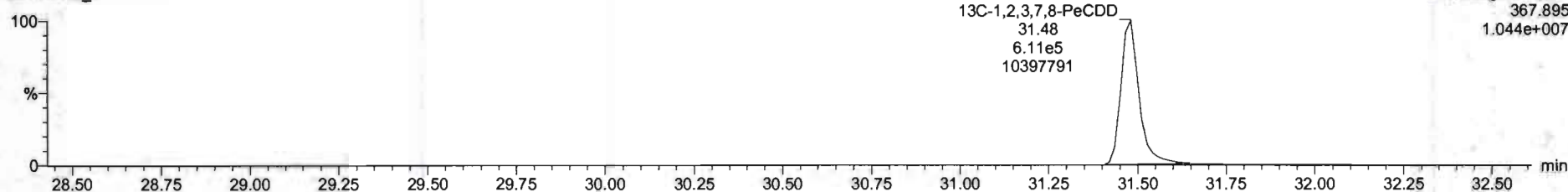


13C-1,2,3,7,8-PeCDD

200528R2_1



200528R2_1



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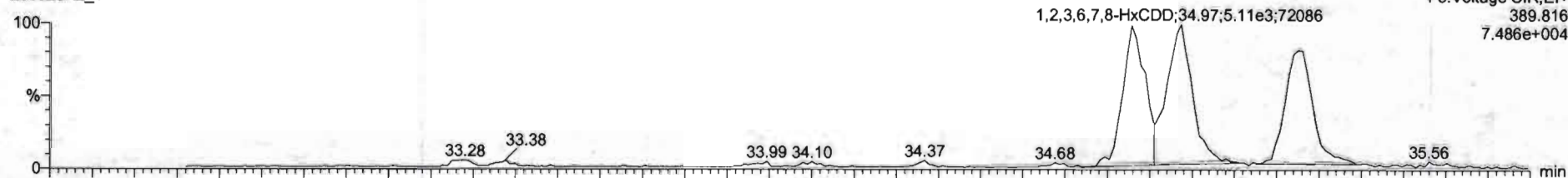
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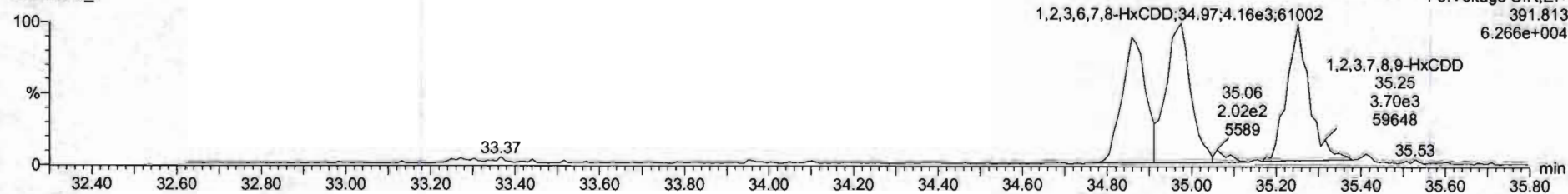
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1,2,3,4,7,8-HxCDD

200528R2_1

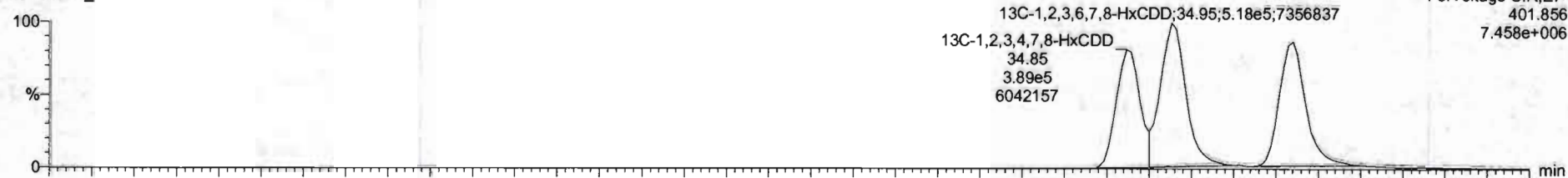


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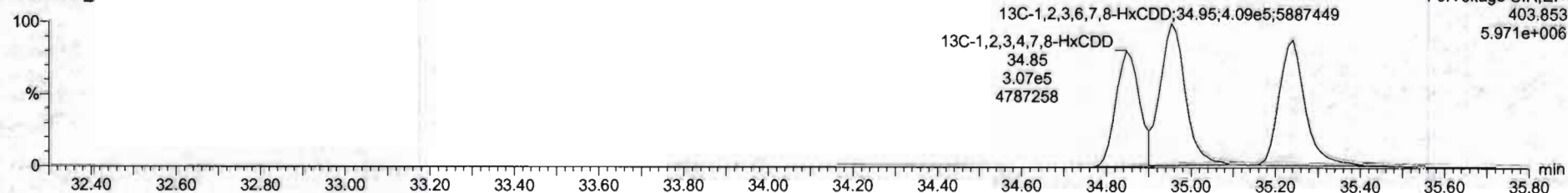


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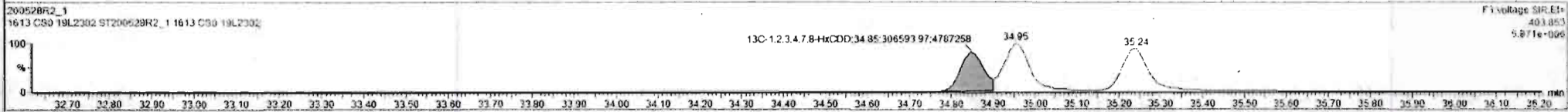
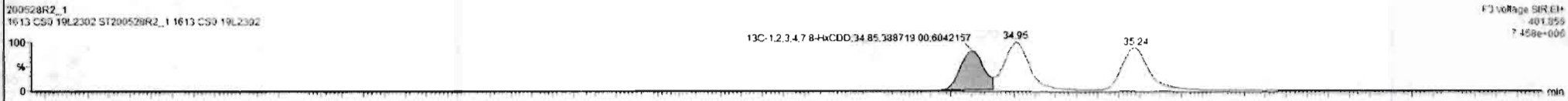
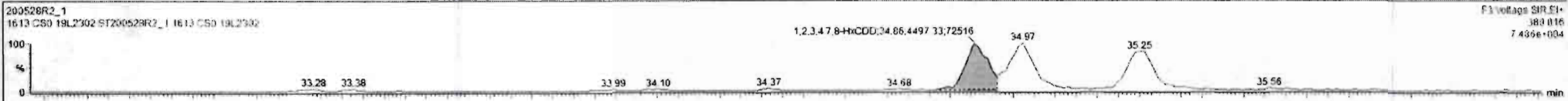
200528R2_1



200528R2_1



#	Name	Resp	RA	Qty	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.78e3	0.56	NO	0.8583	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	



Custom Reporting: Select reports to generate

200528R2_1 CAP NUM

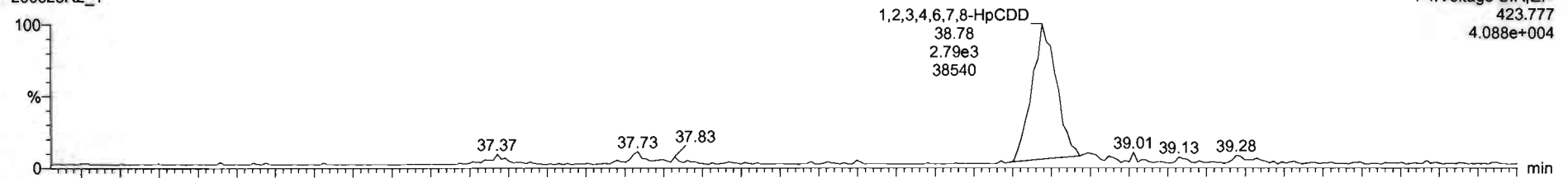
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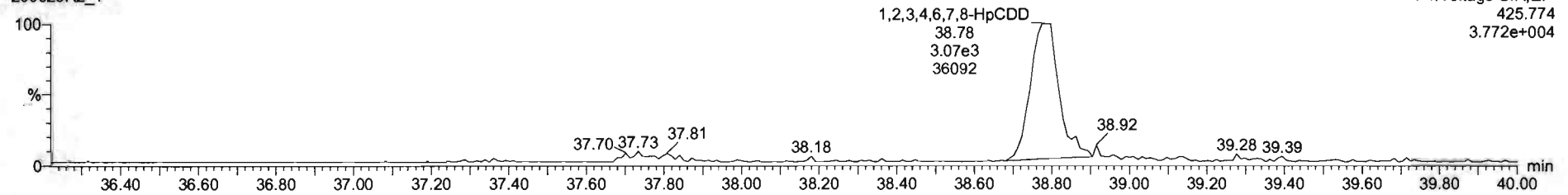
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1,2,3,4,6,7,8-HpCDD

200528R2_1

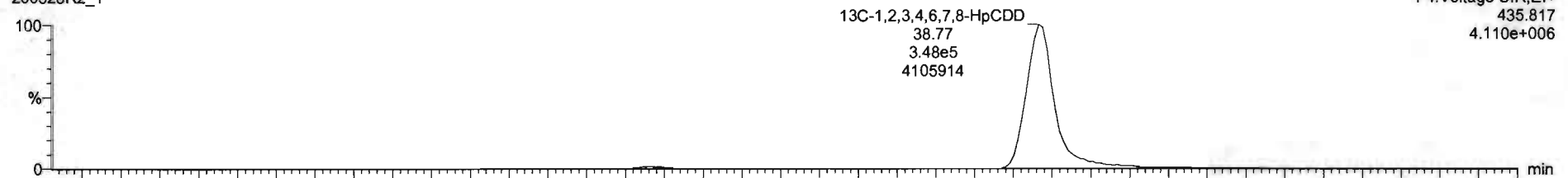


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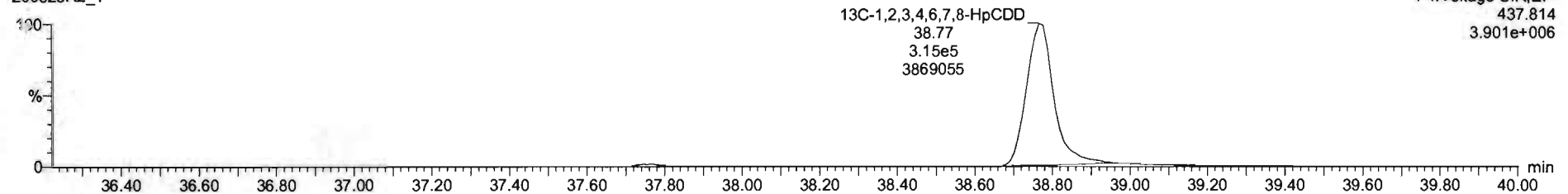


13C-1,2,3,4,6,7,8-HpCDD

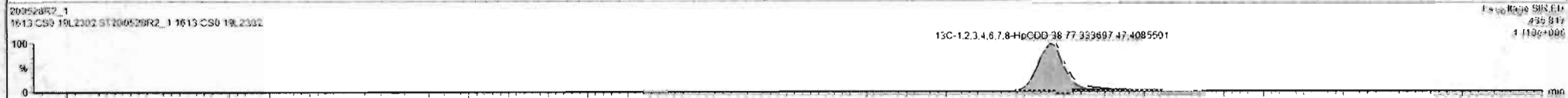
200528R2_1



200528R2_1



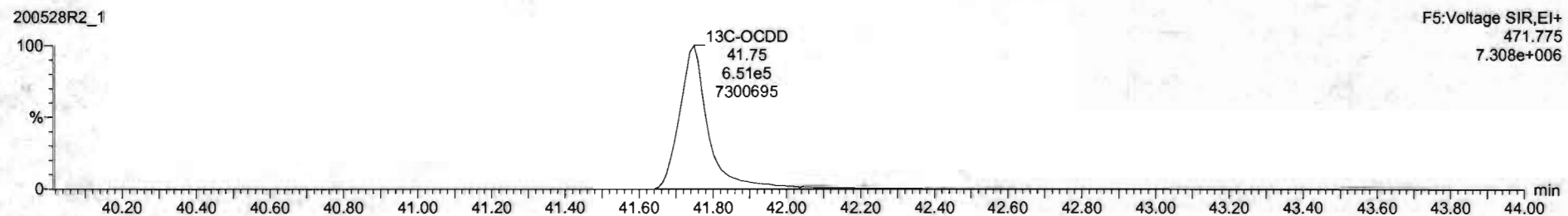
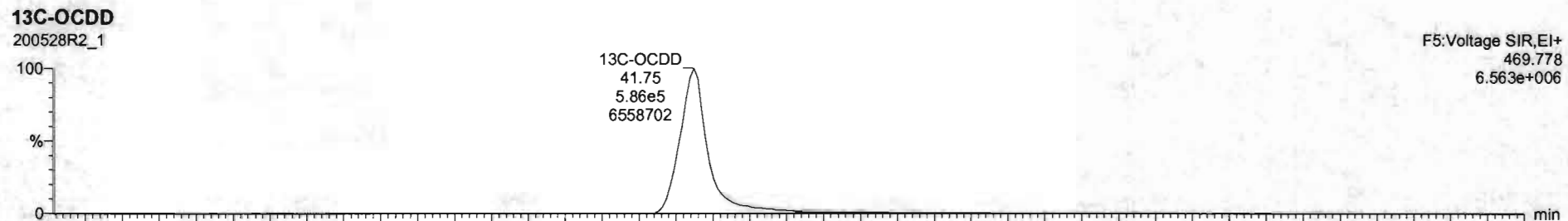
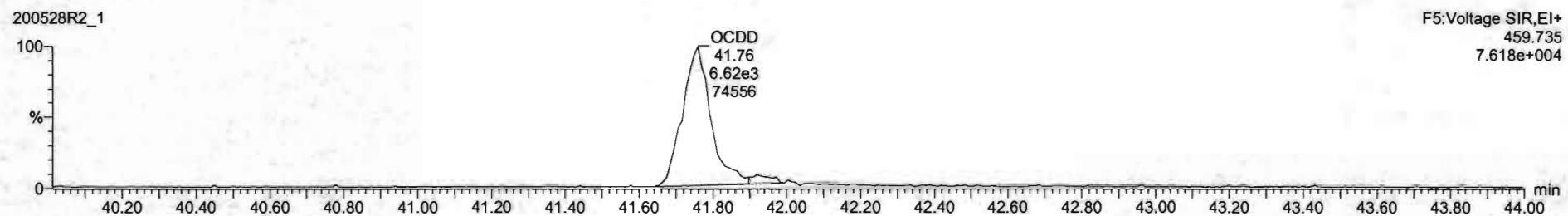
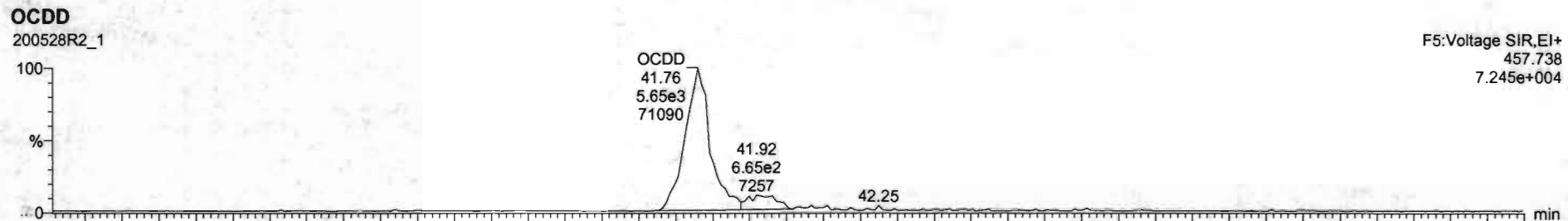
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1	2,3,7,8-TCDD	2.70e3	0.58	NO	0.8583	1.000	26.54	1.000	0.212	88.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0282	1.12
3	1,2,3,4,7,8-HxCDD	5.02e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	69.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	6.14e3	1.30	NO	0.8065	1.000	35.25	1.000	1.10	86.1	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	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	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HxCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e8	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8450	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



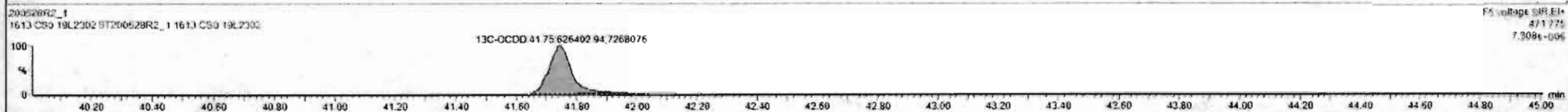
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



#	Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8863	1.000	26.54	1.000	0.212	85.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	34.06	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9138	1.000	41.78	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0142	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.03	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8552	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	28.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	8.95e5	1.27	NO	0.7750	1.000	34.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



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200528R2_1

CAP NUM

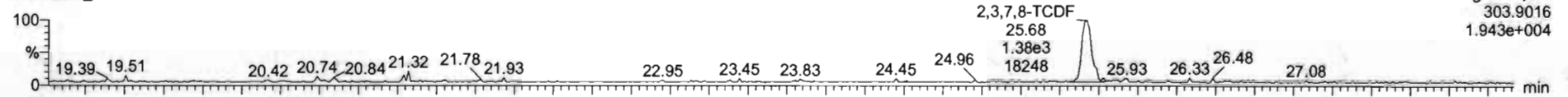
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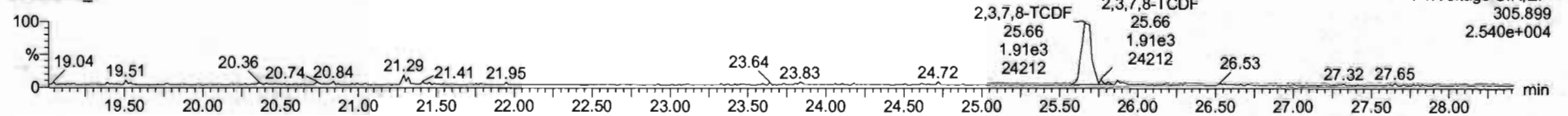
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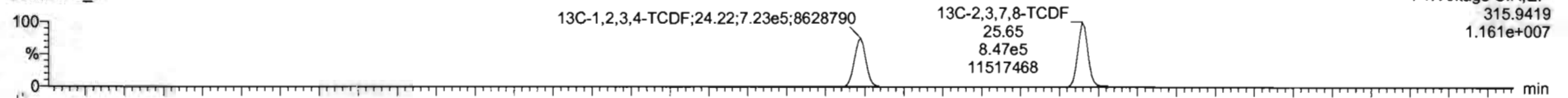


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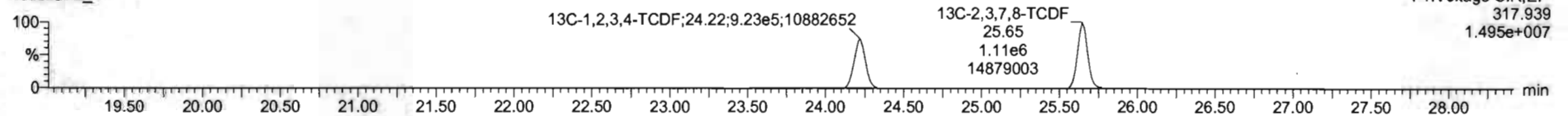


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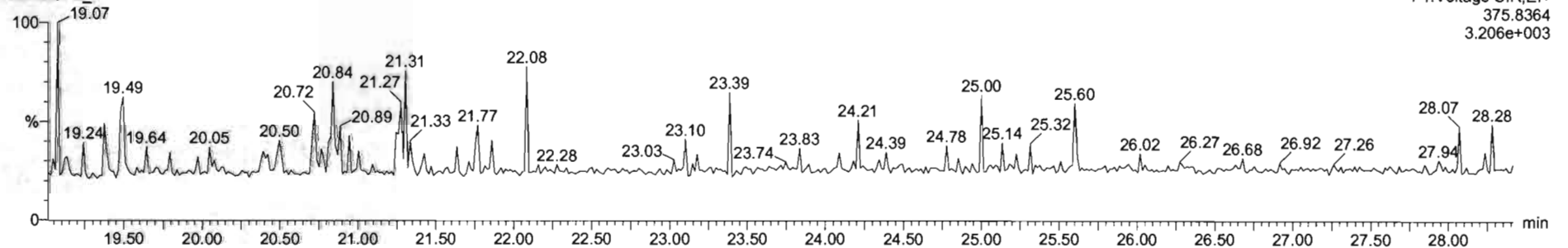


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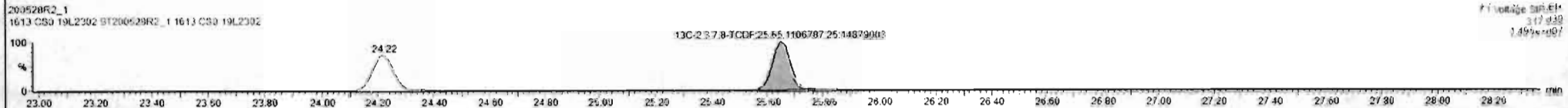
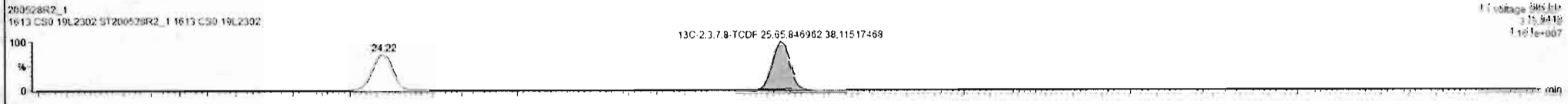
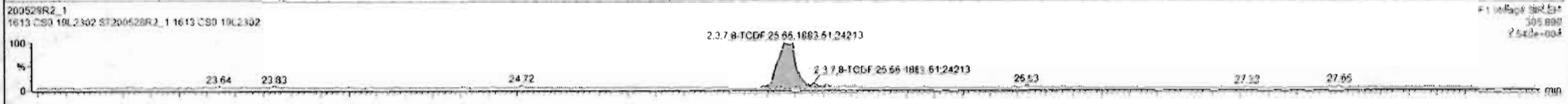
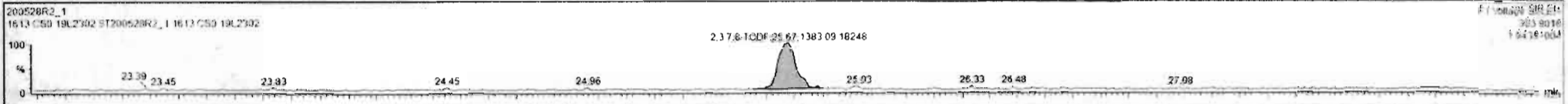


DPE1

200528R2_1



#	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8883	1.000	26.54	1.000	0.212	95.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	21.50	1.000	1.12	90.6	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e2	1.27	NO	1.0334	1.000	34.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.13	89.7	0.0465	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8865	1.000	35.25	1.000	1.10	88.1	0.0454	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0140	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	20.20	1.006	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.95e3	1.25	NO	0.8845	1.000	33.99	1.001	1.03	86.2	0.0369	1.03
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8862	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0624	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	39.33	1.001	1.02	61.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8085	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

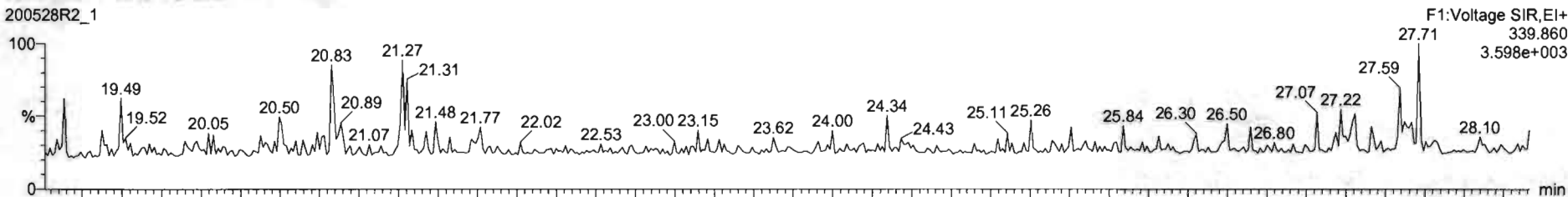
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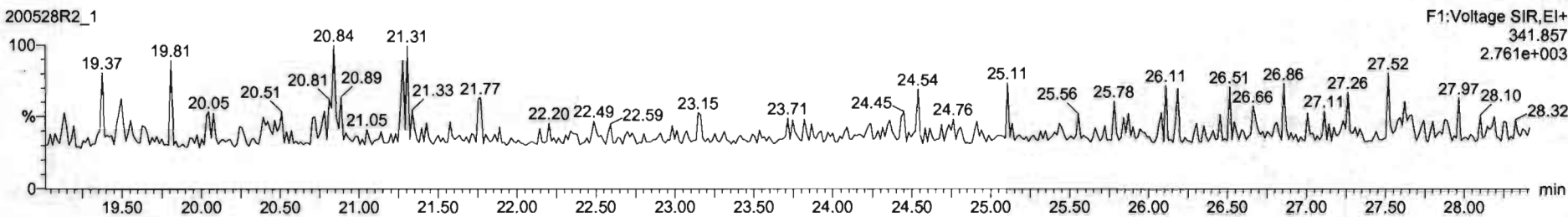
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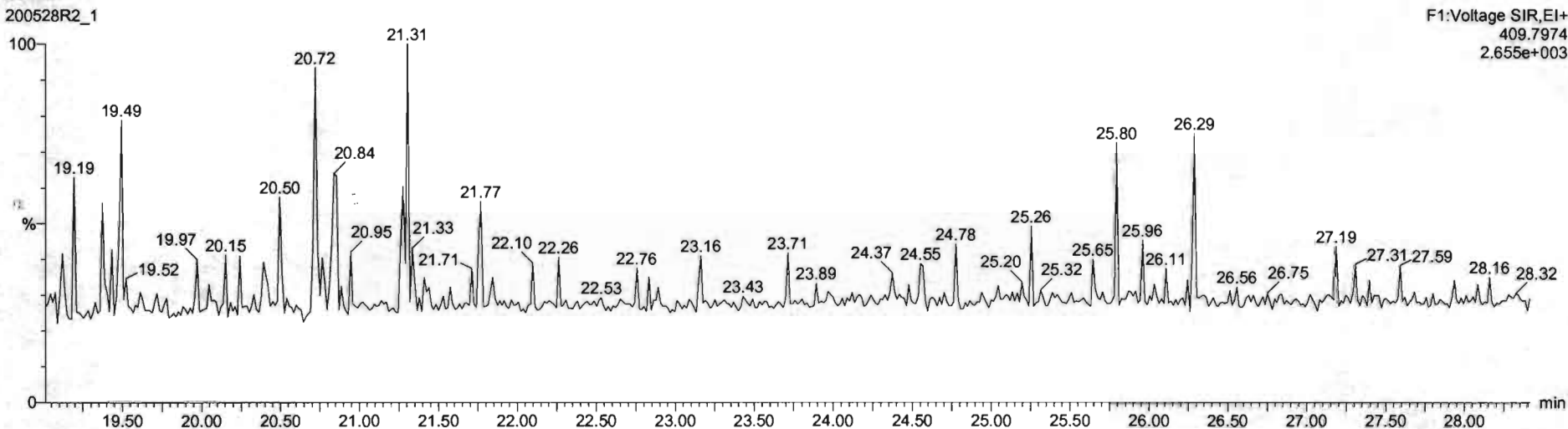


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DPE6

200528R2_1



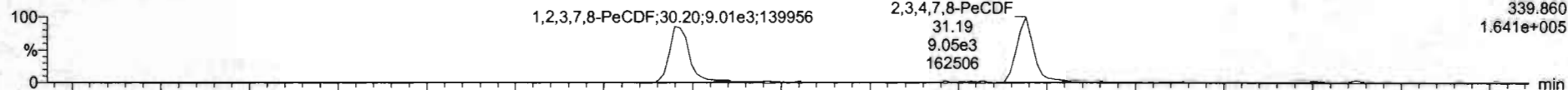
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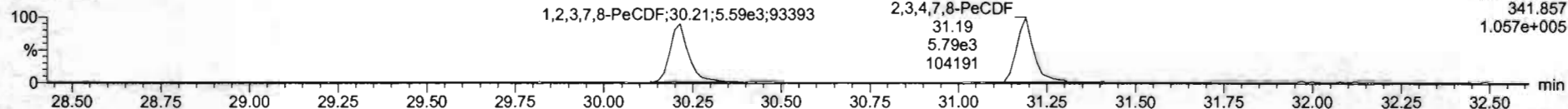
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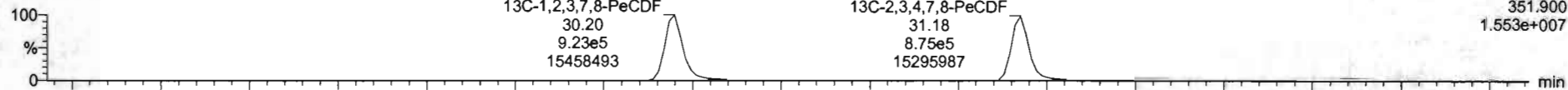


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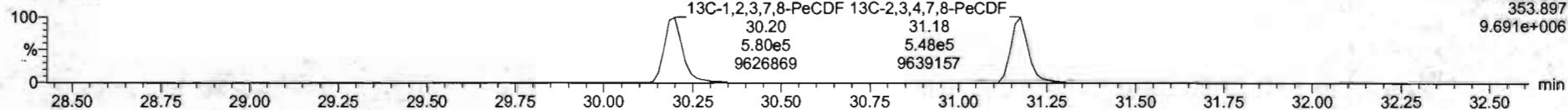


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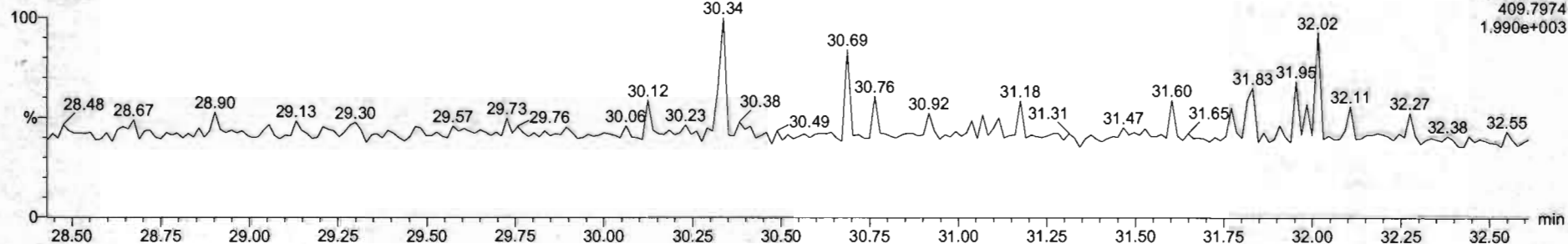


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DPE2

200528R2_1



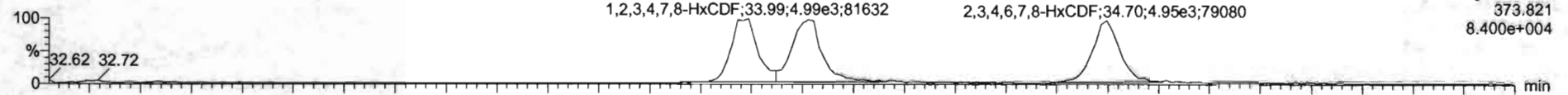
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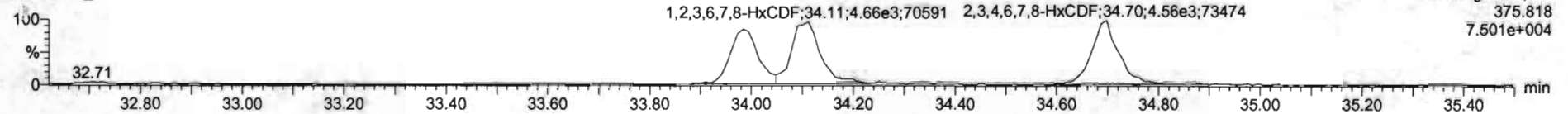
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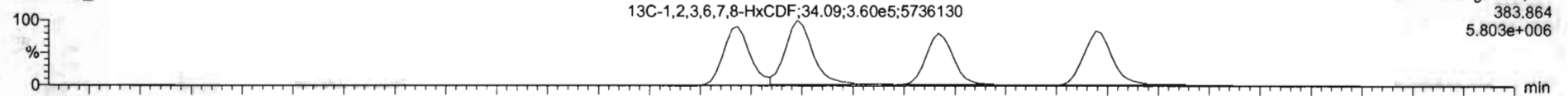


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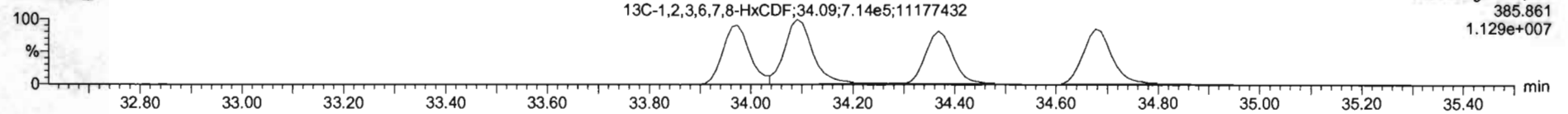


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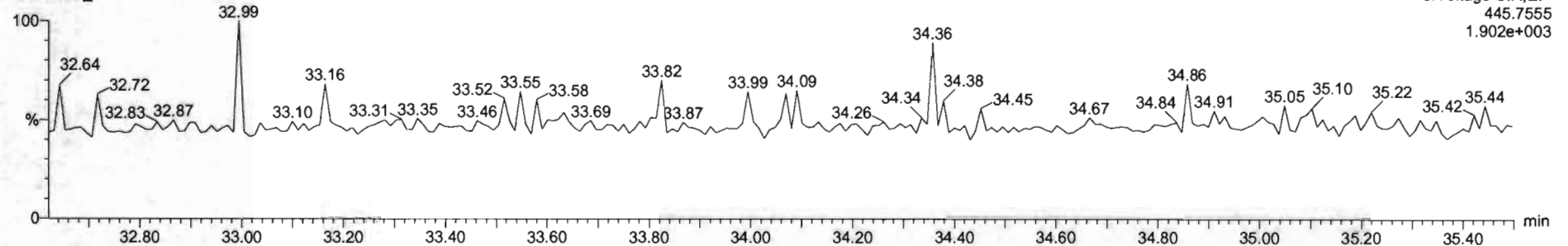


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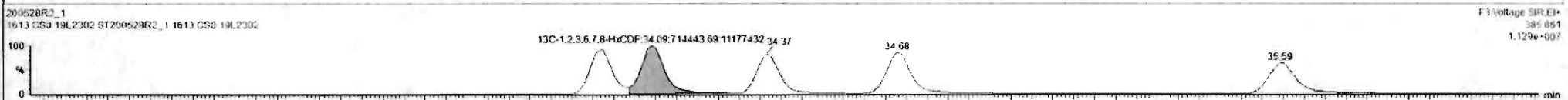
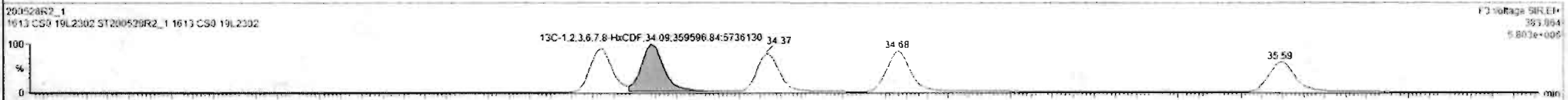
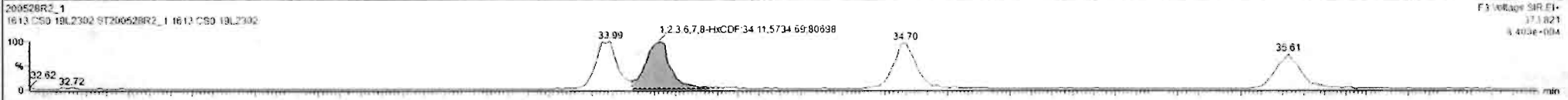


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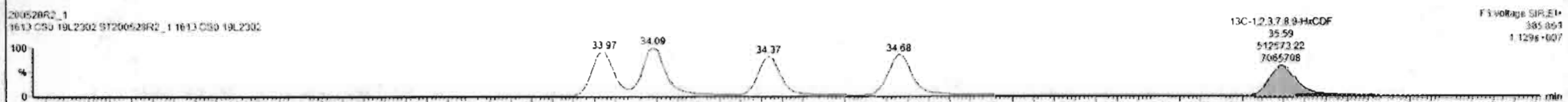
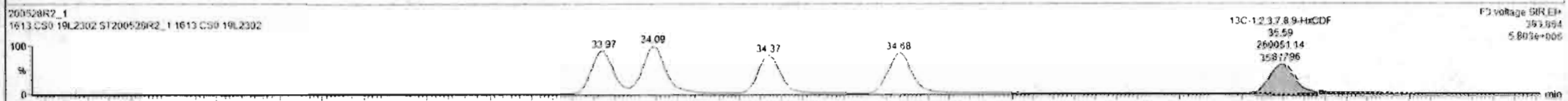
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Name	Resp	RA	inj	RRF	wVvol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.70e3	0.58	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6051	1.000	31.50	1.000	1.12	90.0	0.0292	1.12
3 1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0324	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	0.8450	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e6	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21 13C-1,2,3,6,7,8-HxCDD	9.27e6	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



#	Name	Resp	RA	ntf	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.76e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	95.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.55	1.000	1.12	96.0	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	24.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	24.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8265	1.000	25.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.16e3	0.99	NO	0.8630	1.000	26.72	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.225	89.1	0.0142	0.225
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8325	1.000	20.20	1.000	1.09	87.1	0.0265	1.09
10	1,2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8,9-HxCDF	6.98e3	1.25	NO	0.8545	1.000	23.95	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8252	1.000	24.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	24.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	25.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	27.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	20.33	1.001	1.02	81.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0832	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	24.95	1.017	108	108	0.243	



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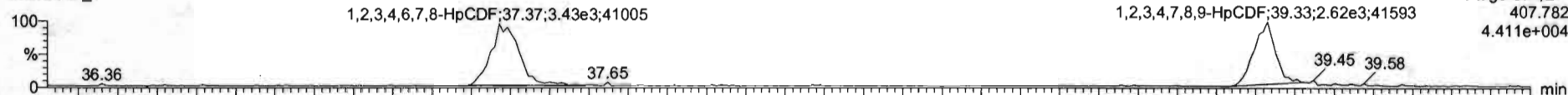
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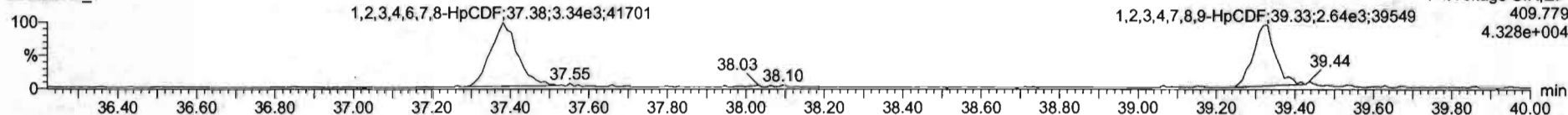
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200528R2_1



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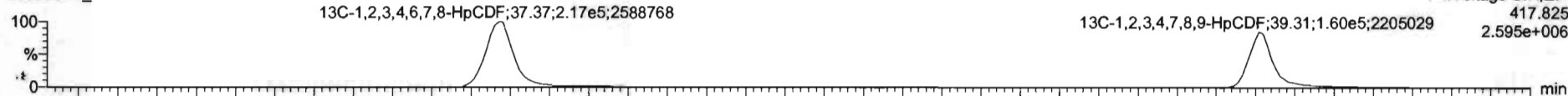
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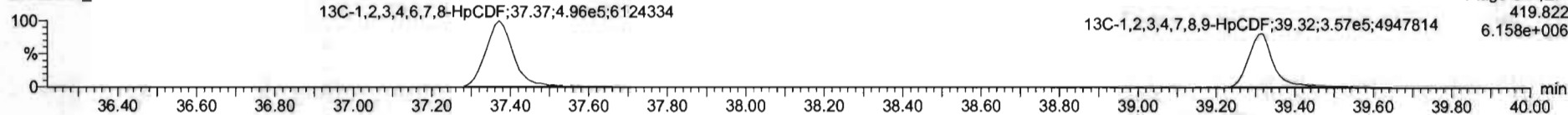
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200528R2_1



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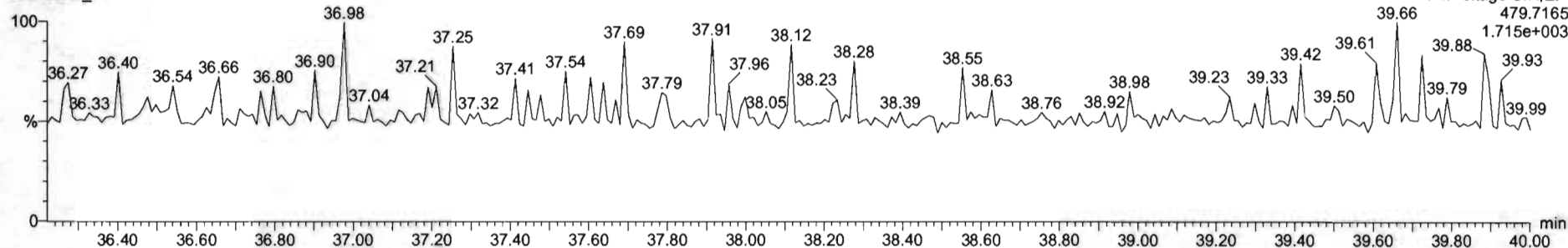
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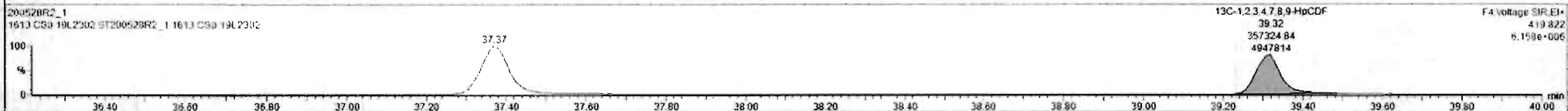
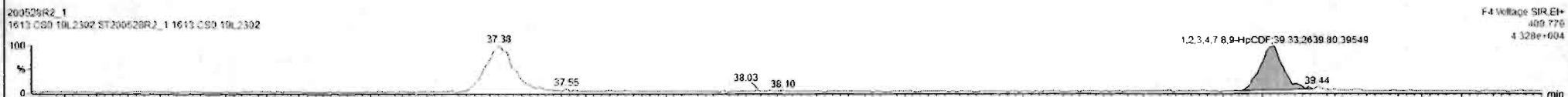
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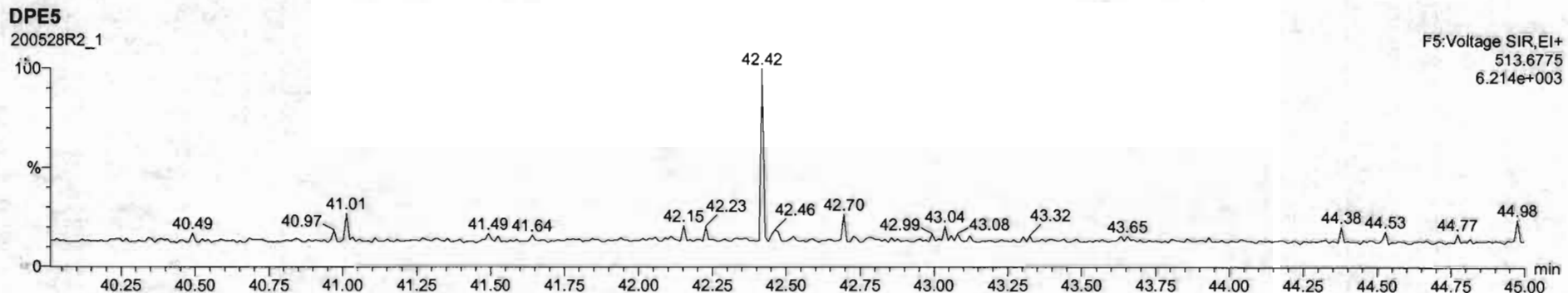
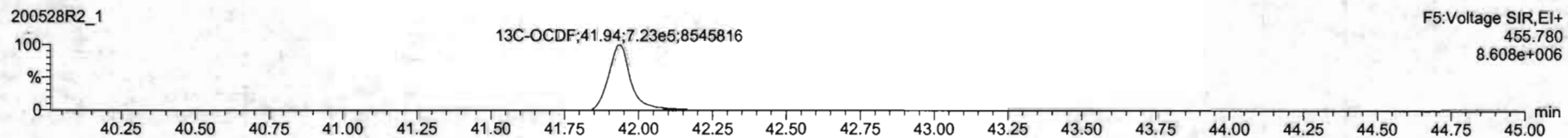
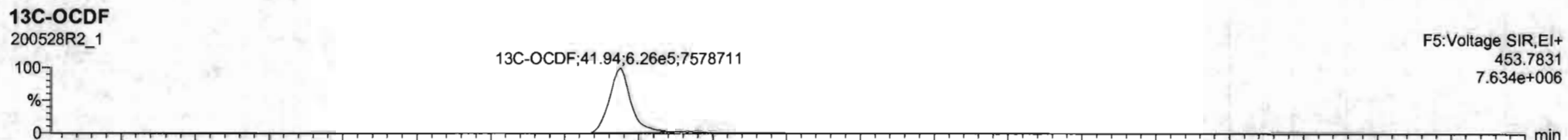
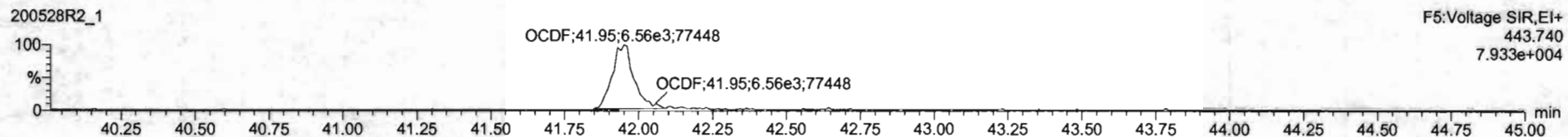
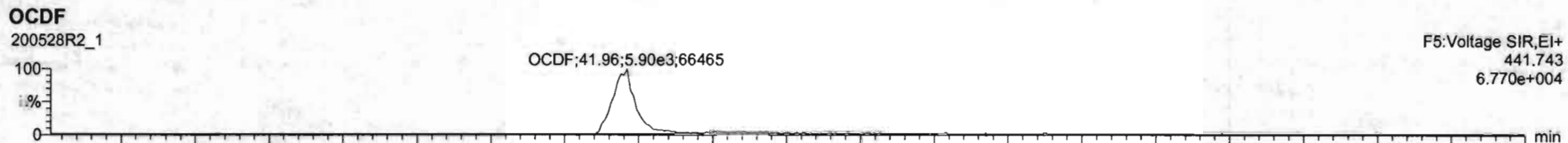
Name	Resp	RA	nBy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.79e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	8.02e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	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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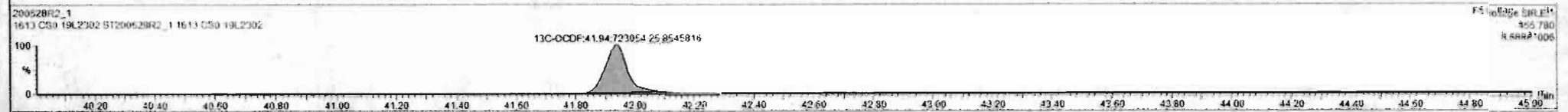
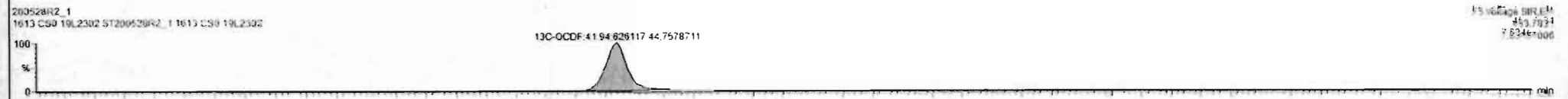
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



200528R2_1 1613 CS0 19L2302-1613 CS0 19L2302

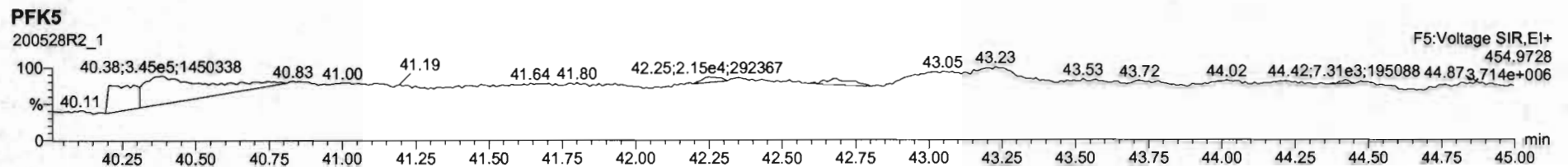
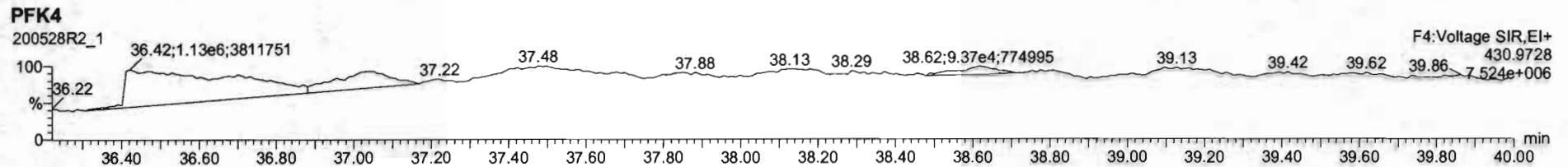
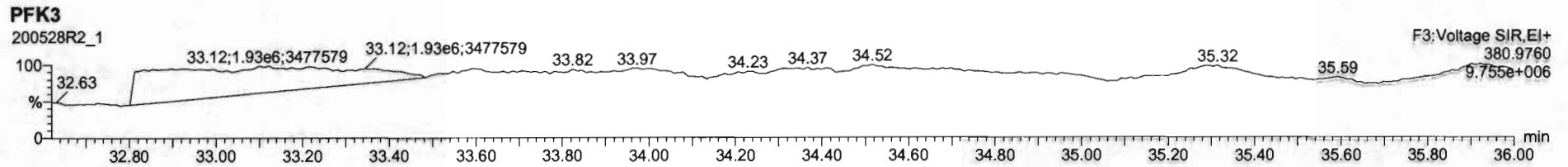
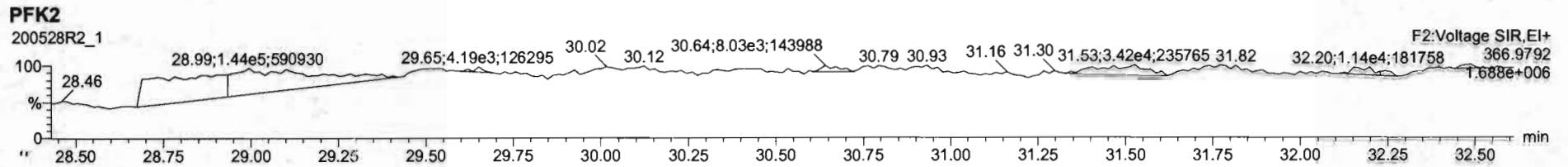
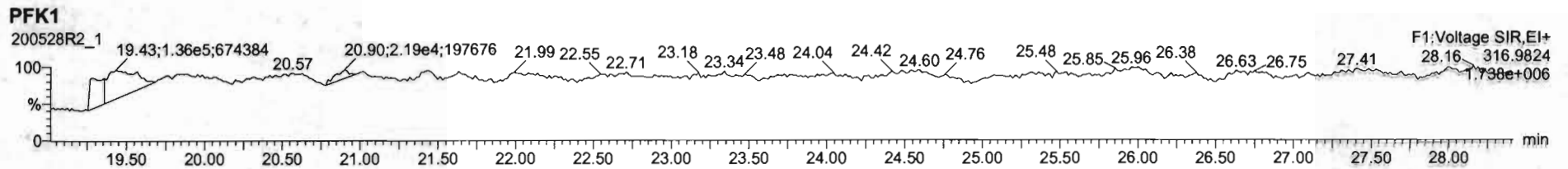
Name	Resp	RA	aly	RRF	wtWt	RT	RRT	Conc	%Rec	QL	EMPC
1 2,3,7,8-TCDD	2.70e3	0.98	NO	0.8803	1.000	26.54	1.000	0.212	85.7	0.0247	0.212
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9041	1.000	31.60	1.000	1.12	90.0	0.0202	1.12
3 1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	89.4	0.042E	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.9523	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.9205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.056E	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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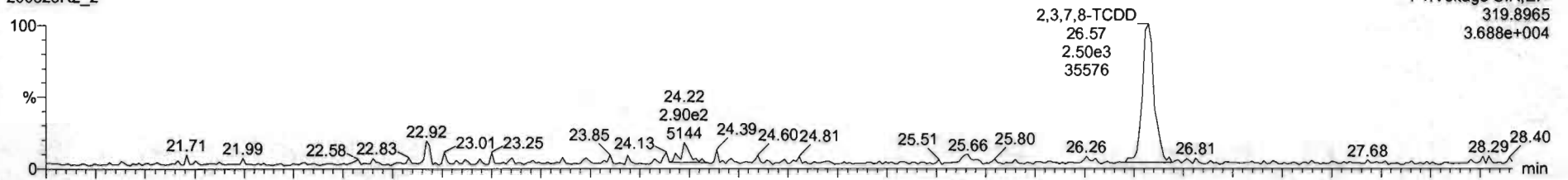
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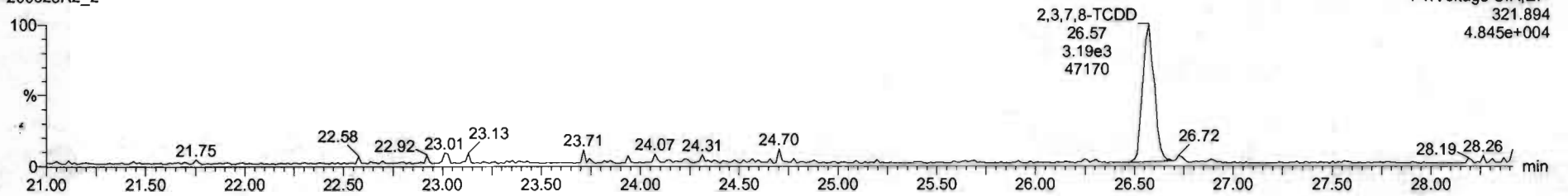
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2,3,7,8-TCDD

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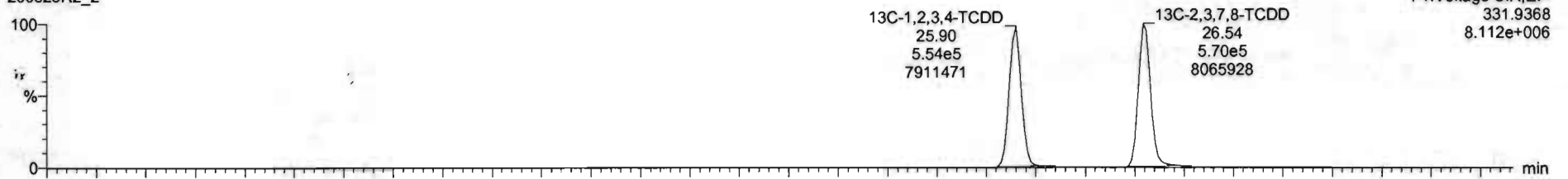


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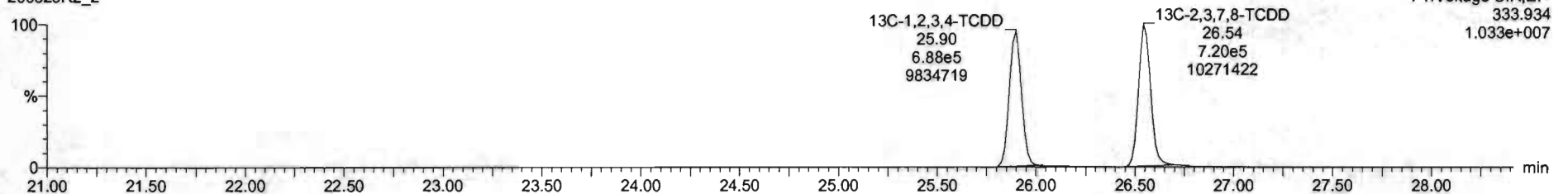


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200528R2_2



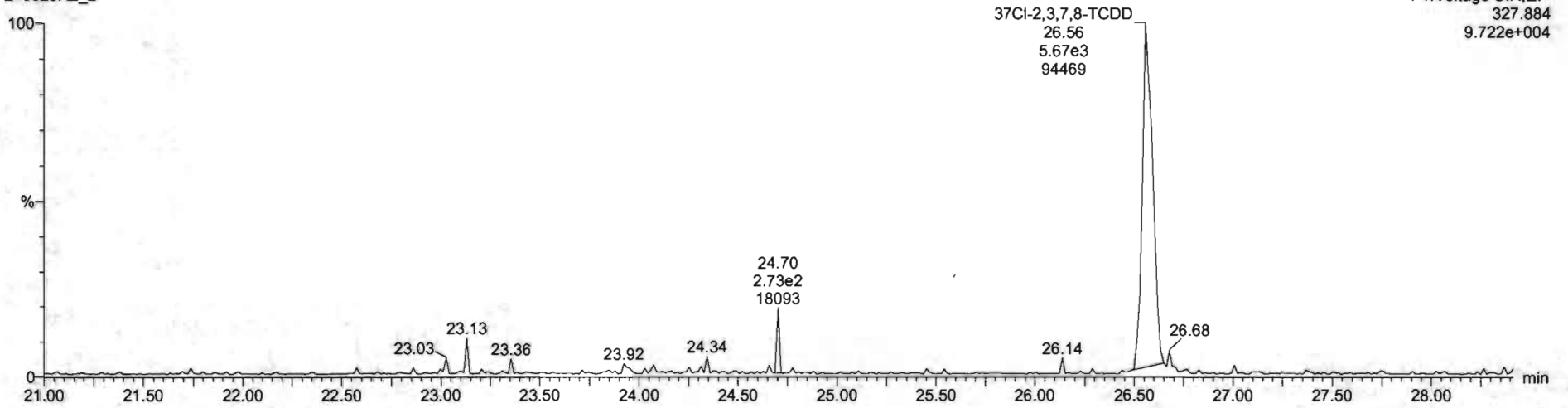
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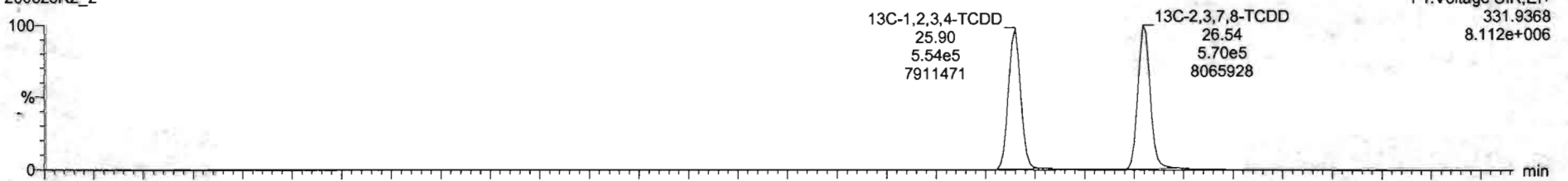
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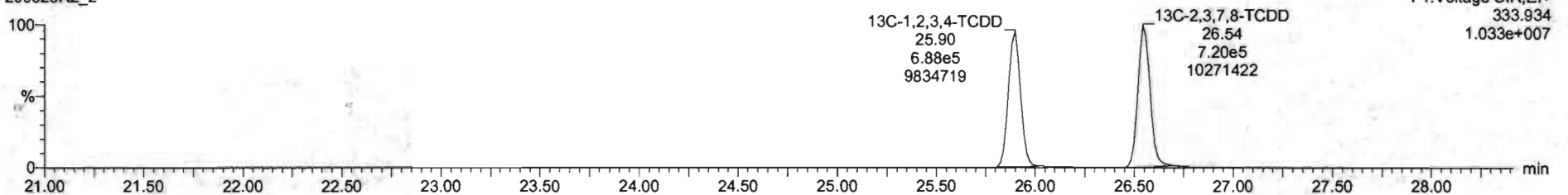


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200528R2_2



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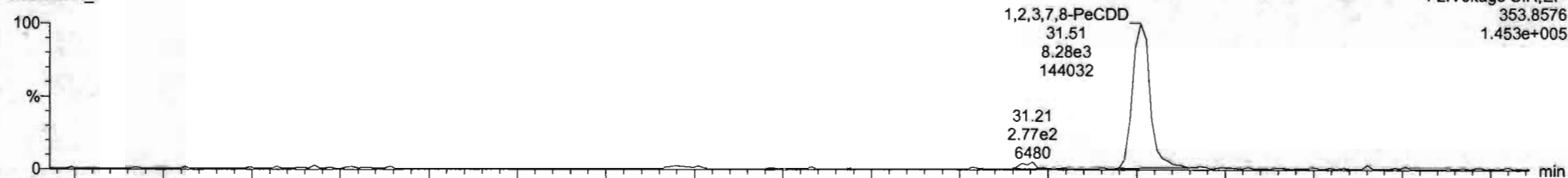
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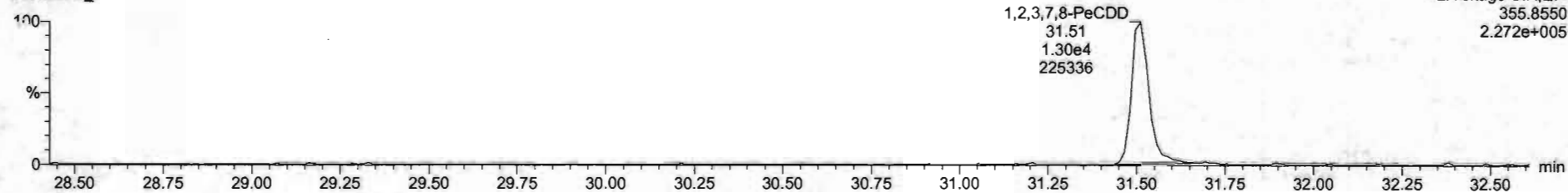
Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1,2,3,7,8-PeCDD

200528R2_2

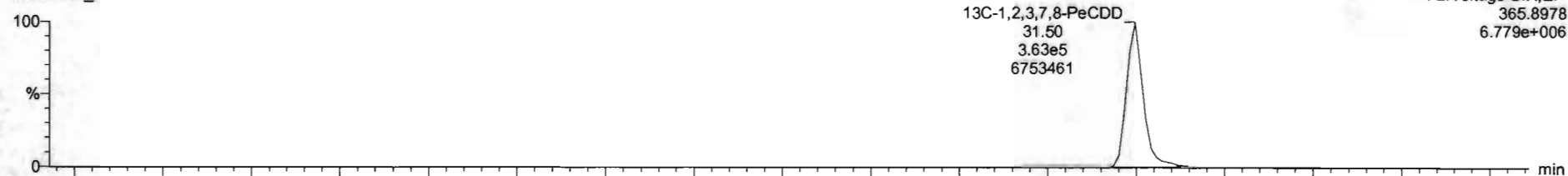


200528R2_2

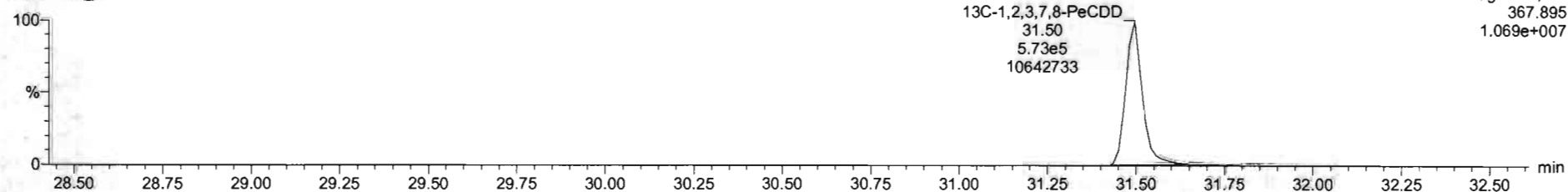


13C-1,2,3,7,8-PeCDD

200528R2_2



200528R2_2



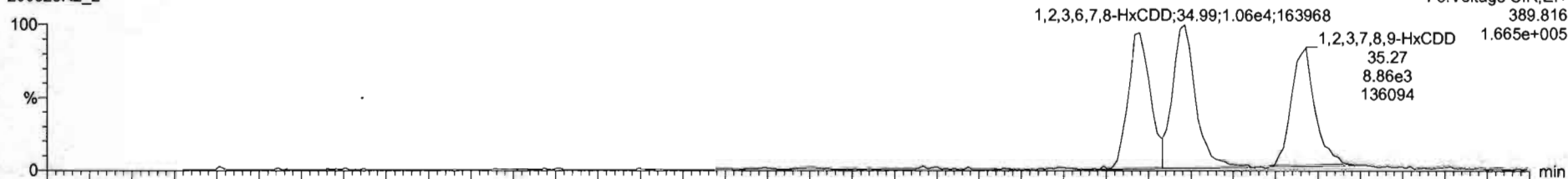
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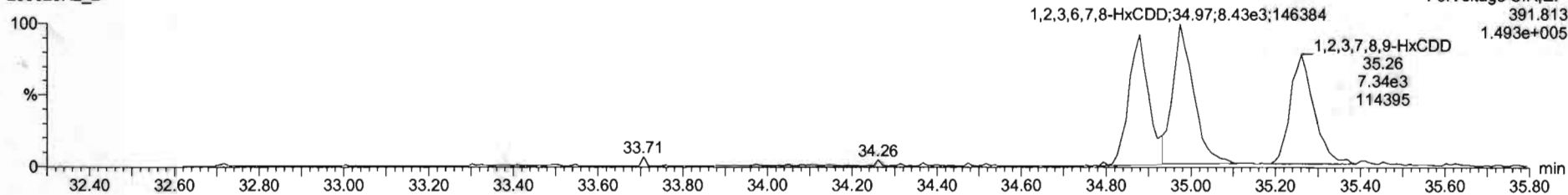
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1,2,3,4,7,8-HxCDD

200528R2_2



200528R2_2

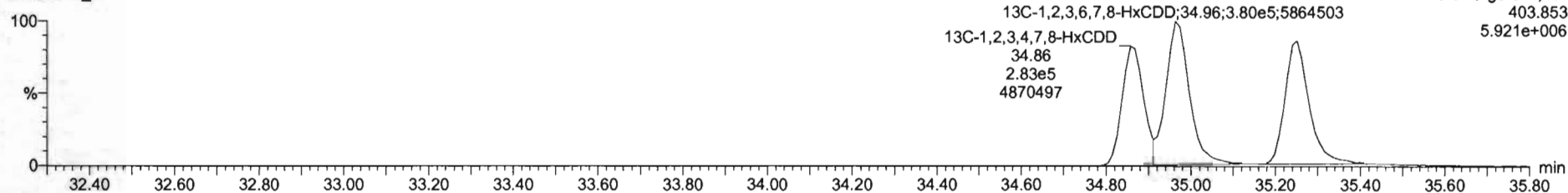


13C-1,2,3,4,7,8-HxCDD

200528R2_2



200528R2_2



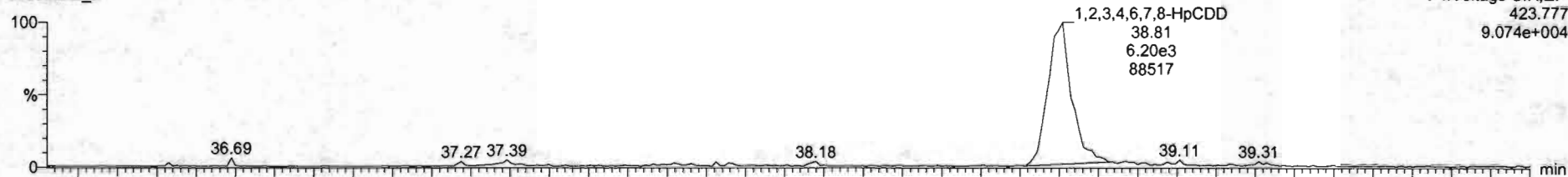
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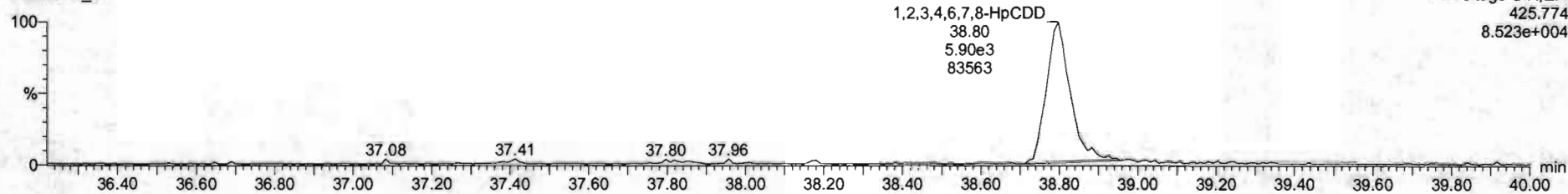
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1,2,3,4,6,7,8-HpCDD

200528R2_2

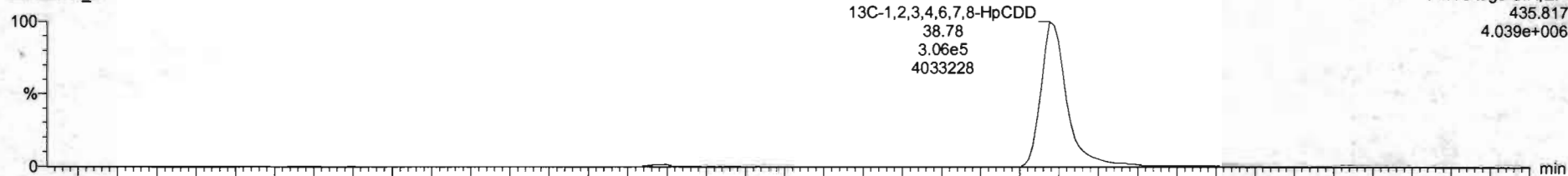


200528R2_2

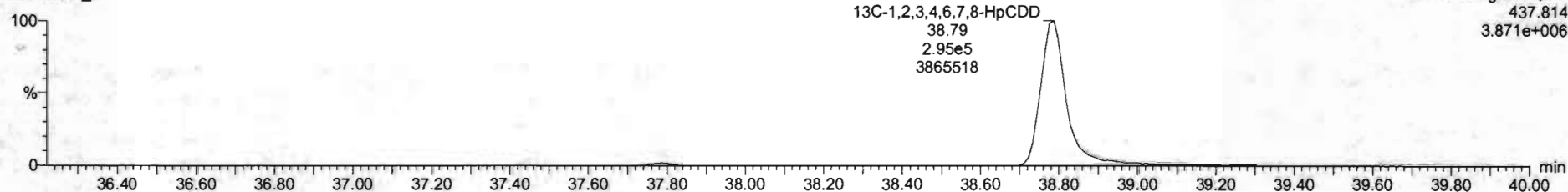


13C-1,2,3,4,6,7,8-HpCDD

200528R2_2



200528R2_2

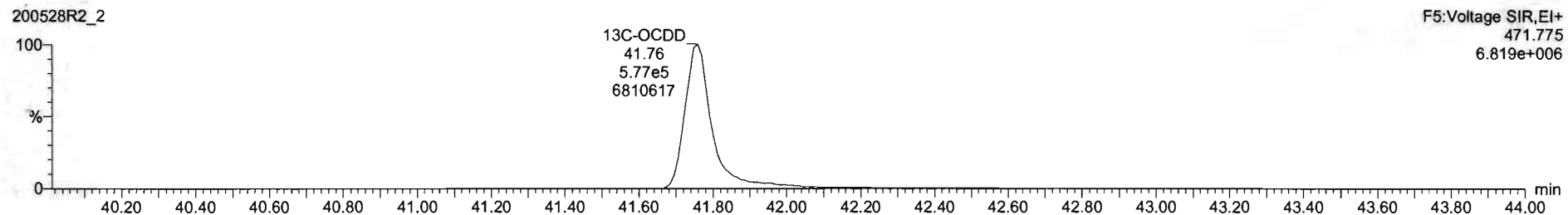
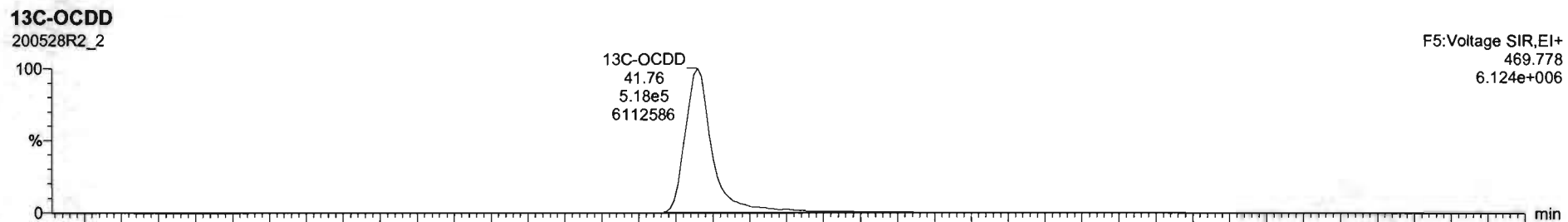
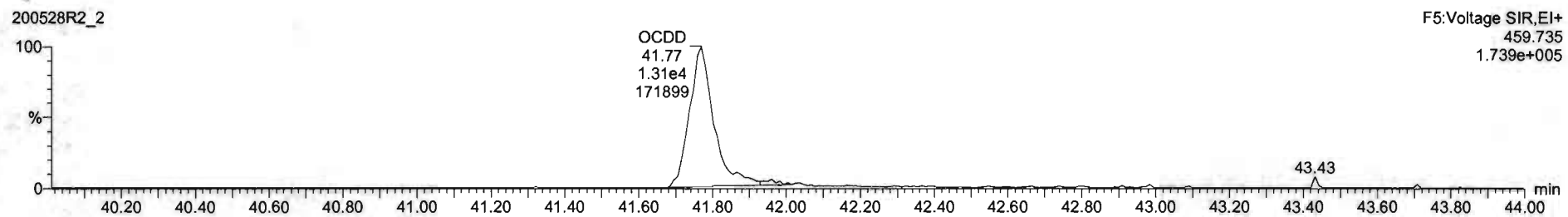
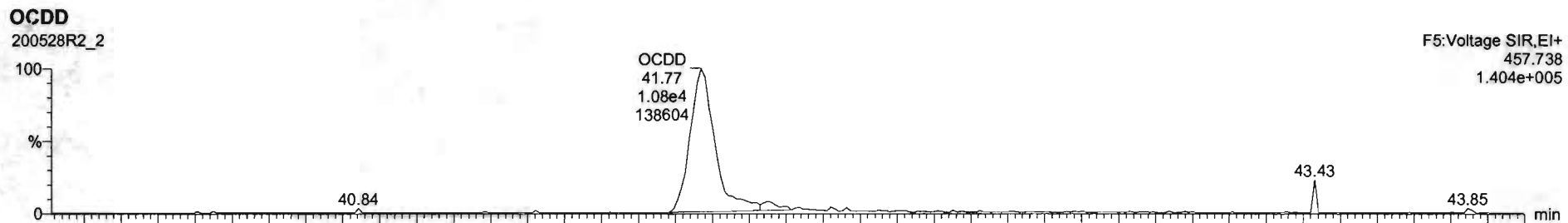


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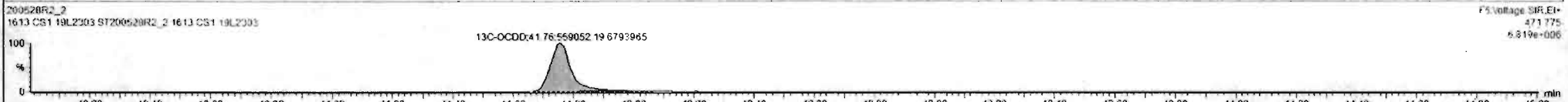
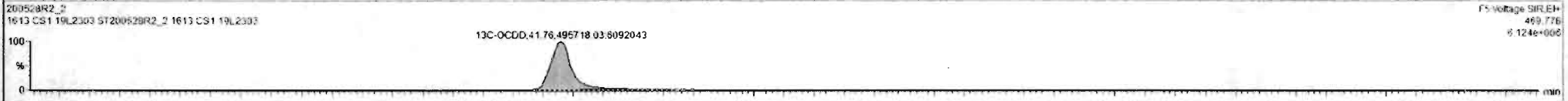
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Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



Name	Resp	RA	nJY	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	0.84	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	0.488
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	96.3	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	

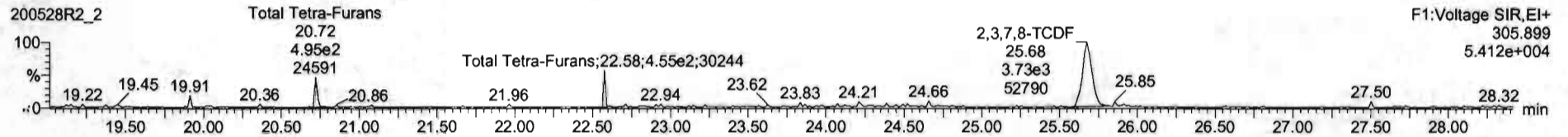
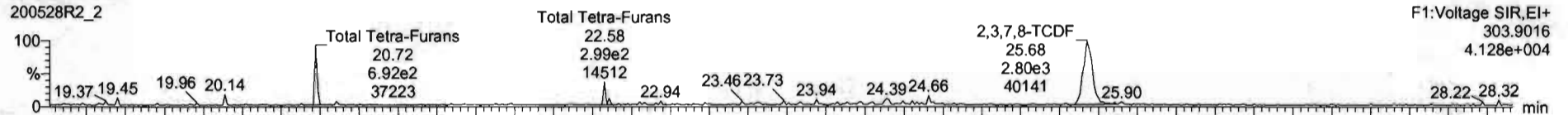


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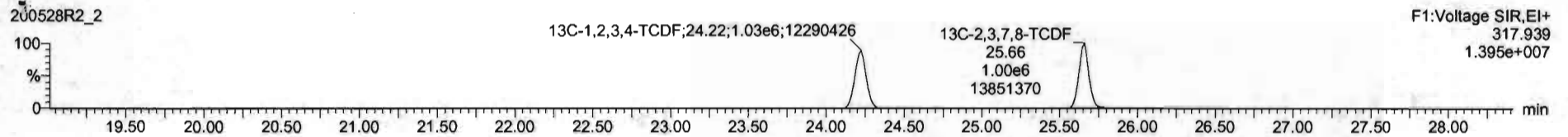
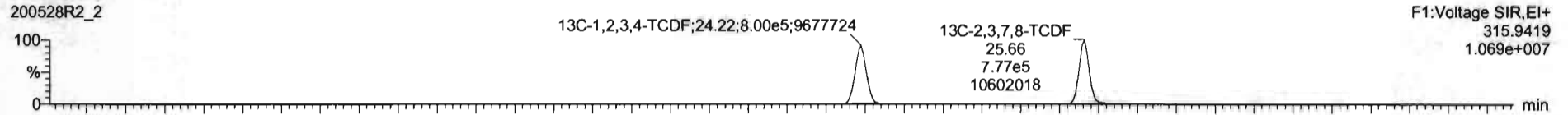
Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

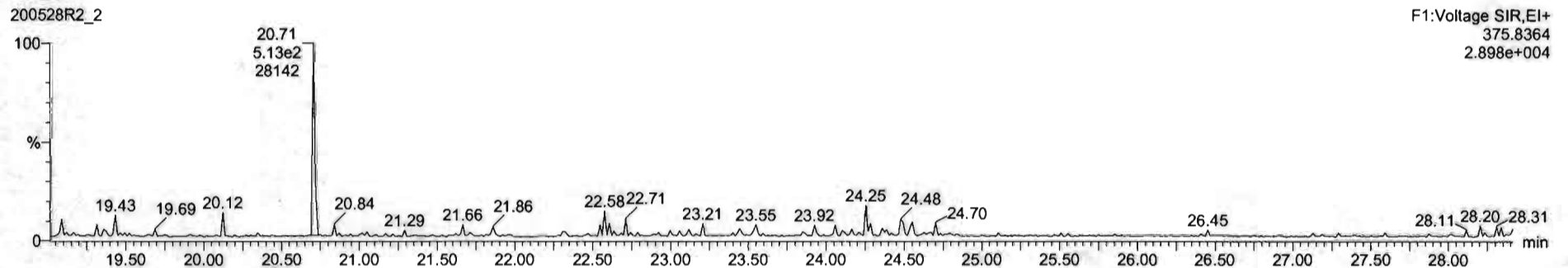
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

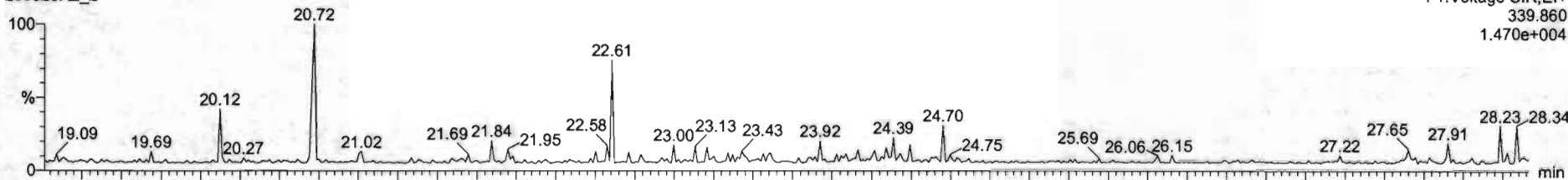
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1st Func. Penta-Furans

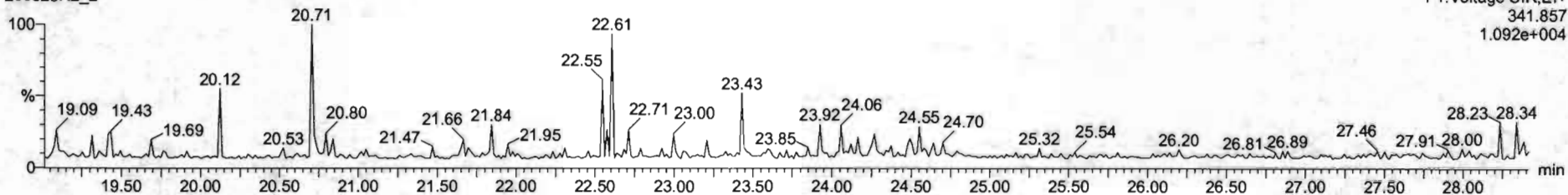
200528R2_2

F1:Voltage SIR,EI+
339.860
1.470e+004



200528R2_2

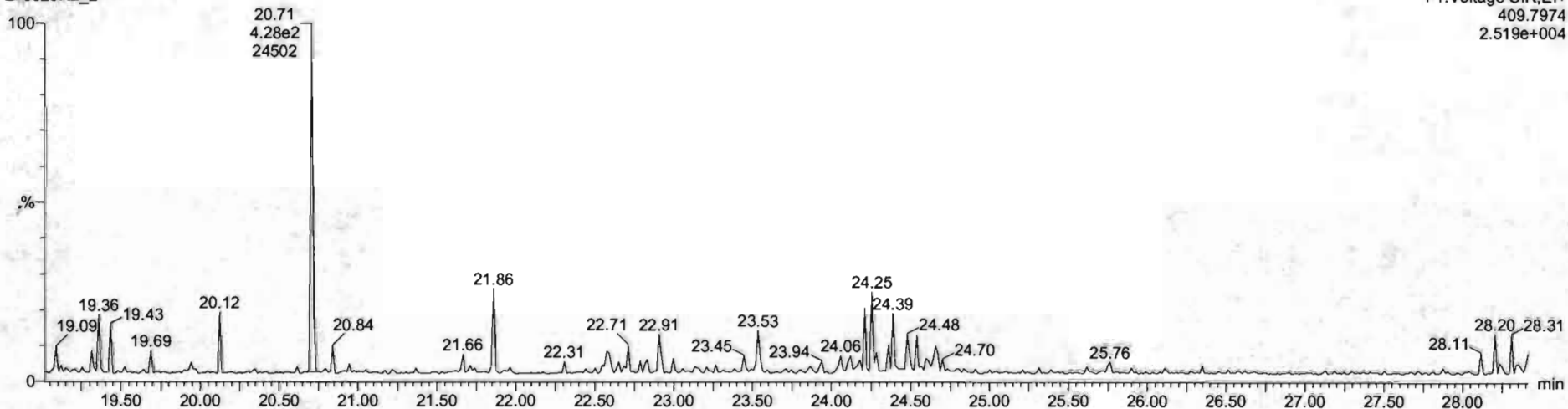
F1:Voltage SIR,EI+
341.857
1.092e+004



DPE6

200528R2_2

F1:Voltage SIR,EI+
409.7974
2.519e+004



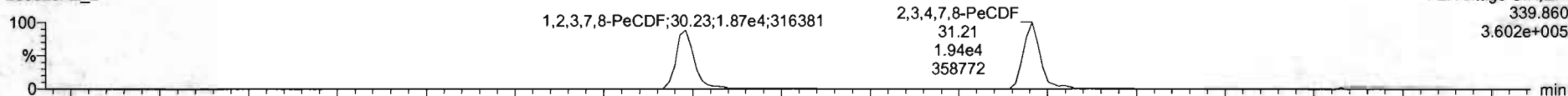
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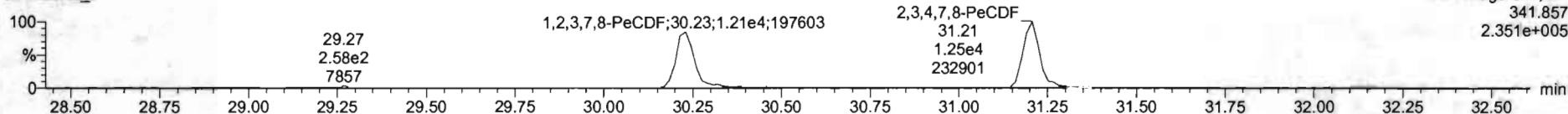
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1,2,3,7,8-PeCDF

200528R2_2

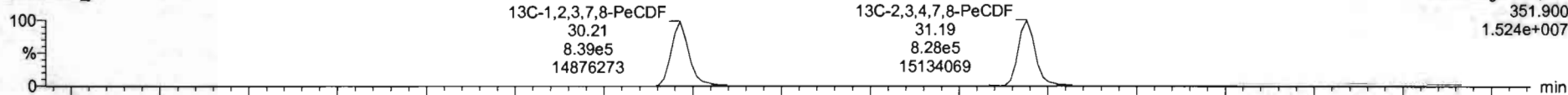


200528R2_2

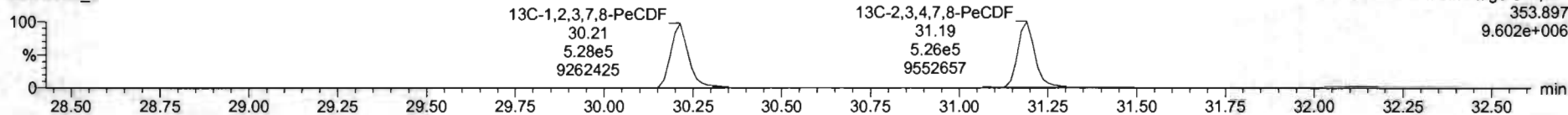


13C-1,2,3,7,8-PeCDF

200528R2_2

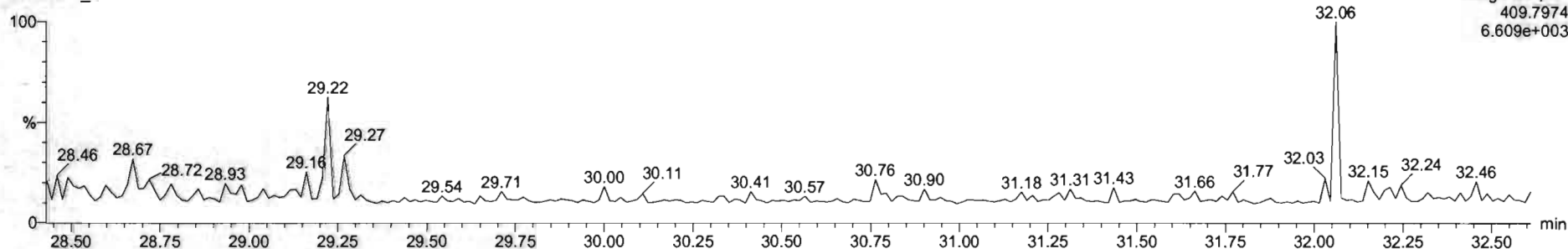


200528R2_2



DPE2

200528R2_2



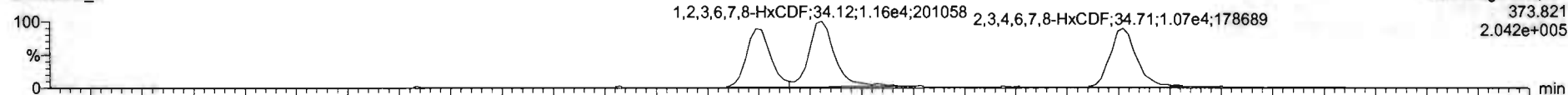
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

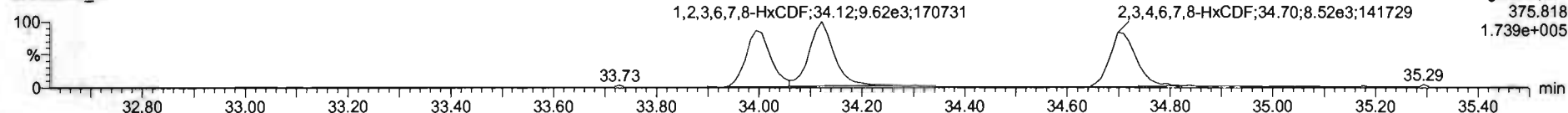
1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
373.821
2.042e+005

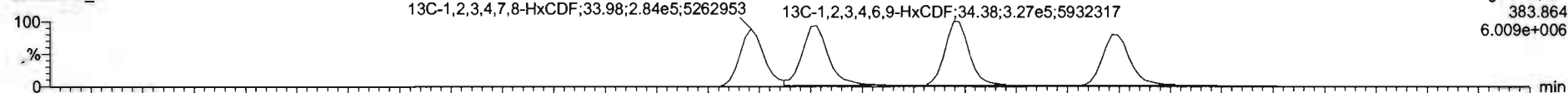
200528R2_2



F3: Voltage SIR, EI+
375.818
1.739e+005

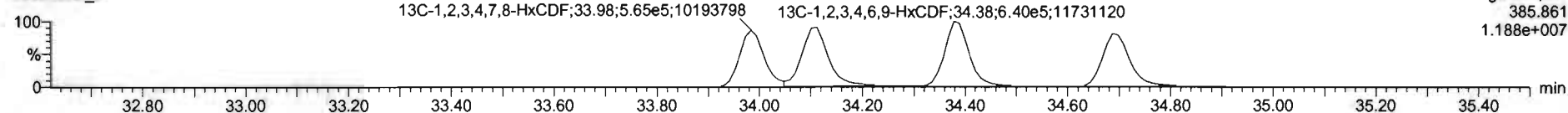
13C-1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
383.864
6.009e+006

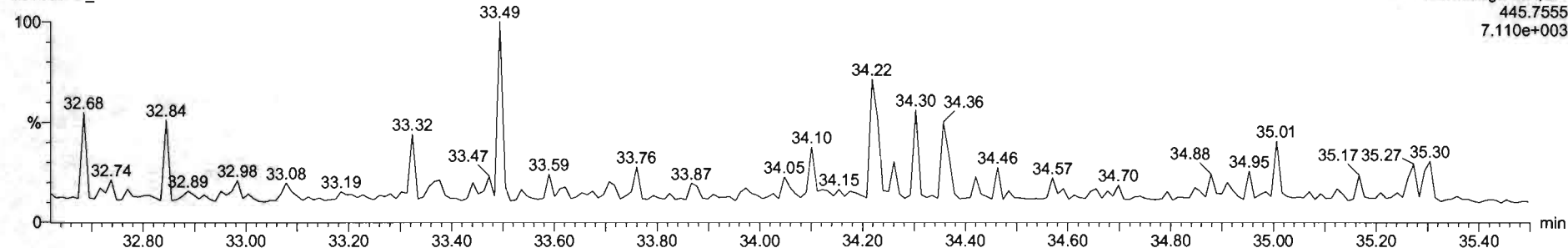
200528R2_2



F3: Voltage SIR, EI+
385.861
1.188e+007

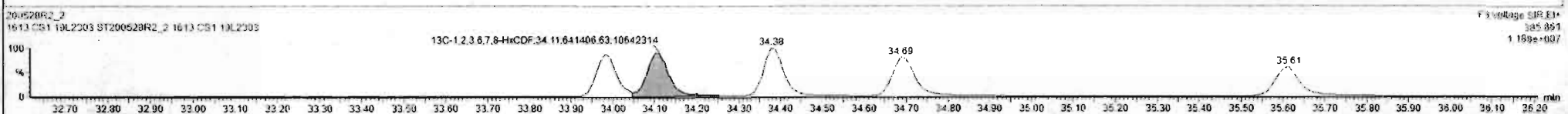
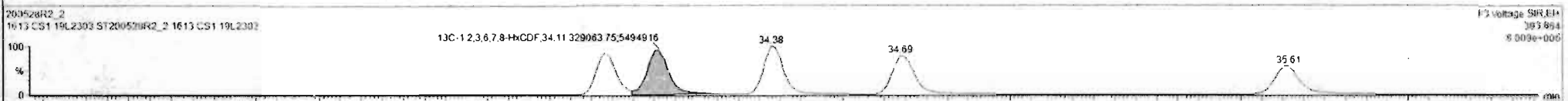
DPE3

200528R2_2

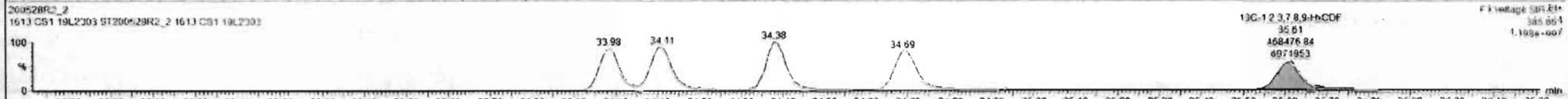
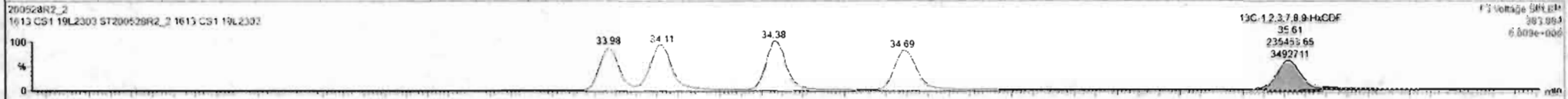


F3: Voltage SIR, EI+
445.7555
7.110e+003

#	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	2.47
5	1,2,3,7,9-HxCDD	1.62e4	1.21	NO	0.8269	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6	1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8639	1.000	36.51	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9136	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	2.41
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	0.9126	1.000	41.77	1.000	4.97	99.4	0.149	4.97
8	2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.468	97.7	0.0620	0.468
9	1,2,3,7,8-PeCDF	3.05e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10	2,3,4,7,8-PeCDF	0.15e4	1.55	NO	0.9346	1.000	31.21	1.000	2.52	101	0.0395	2.52
11	1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12	1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8882	1.000	34.12	1.000	2.50	100	0.0642	2.50
13	2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9341	1.000	34.71	1.001	2.36	96.3	0.0702	2.36
14	1,2,3,7,8,9-HxCDF	1.48e4	1.12	NO	0.8787	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15	1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16	1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17	OCDF	2.40e4	0.84	NO	0.8565	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	0.0528	
19	13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	88.7	88.7	0.113	
20	13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7750	1.000	34.87	1.014	85.9	85.9	0.183	
21	13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0157	1.000	34.96	1.017	87.7	87.7	0.140	



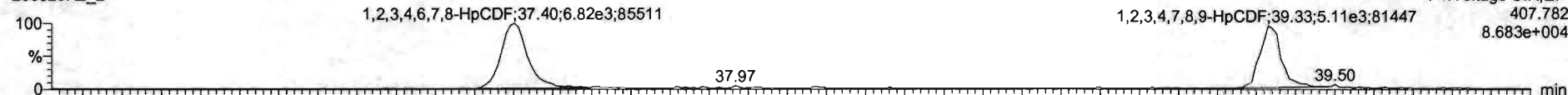
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

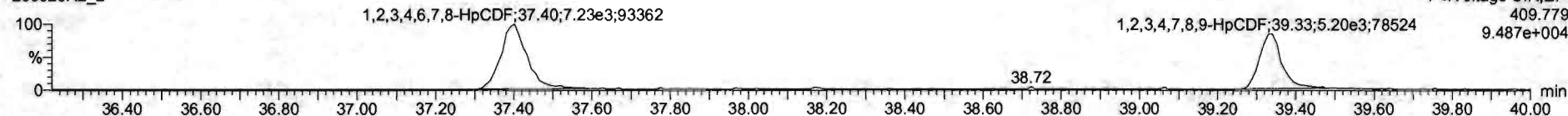
Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

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

200528R2_2



200528R2_2

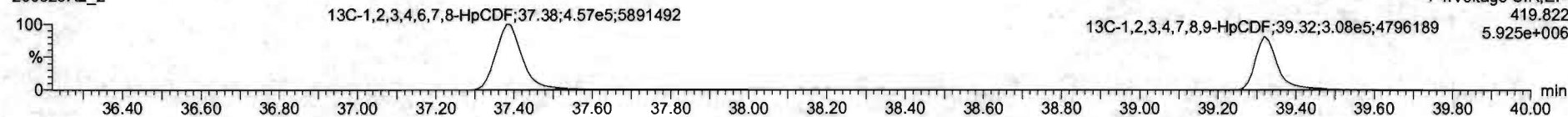


13C-1,2,3,4,6,7,8-HpCDF

200528R2_2

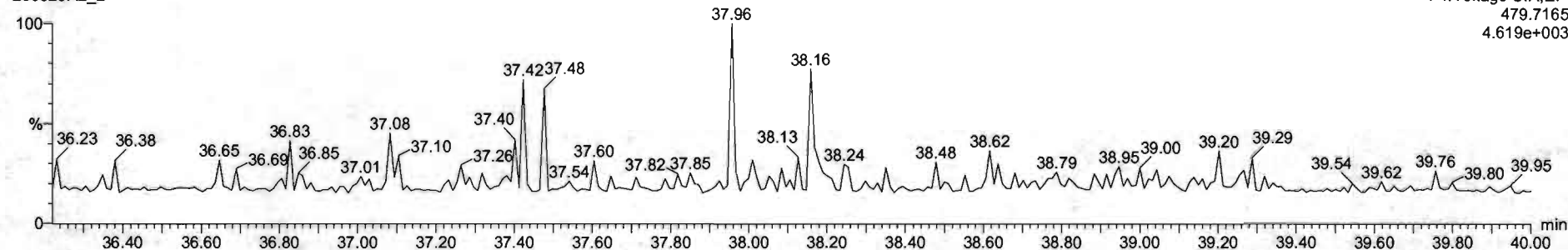


200528R2_2



DPE4

200528R2_2



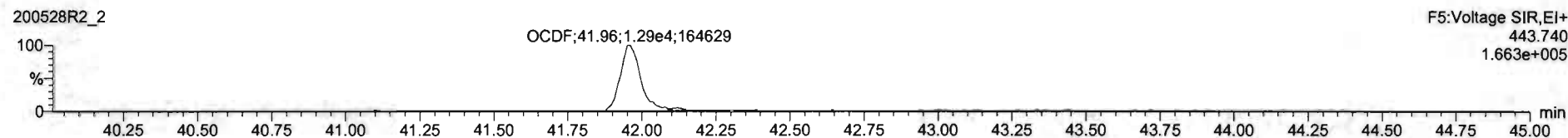
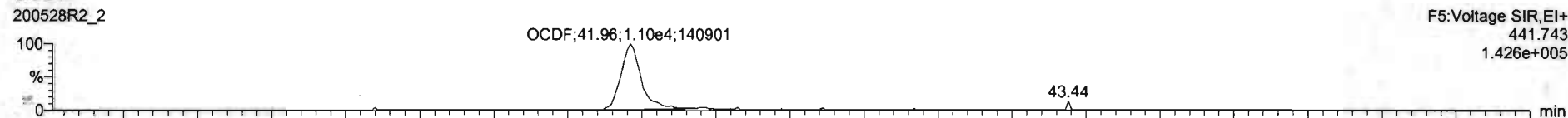
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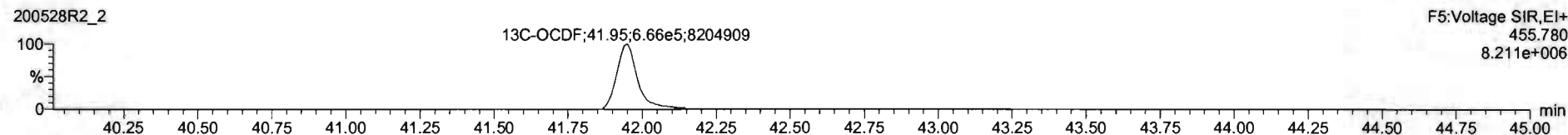
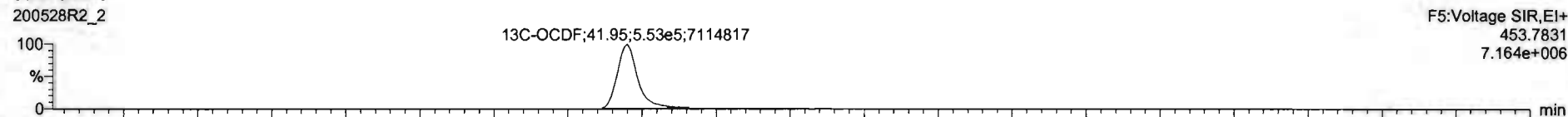
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Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

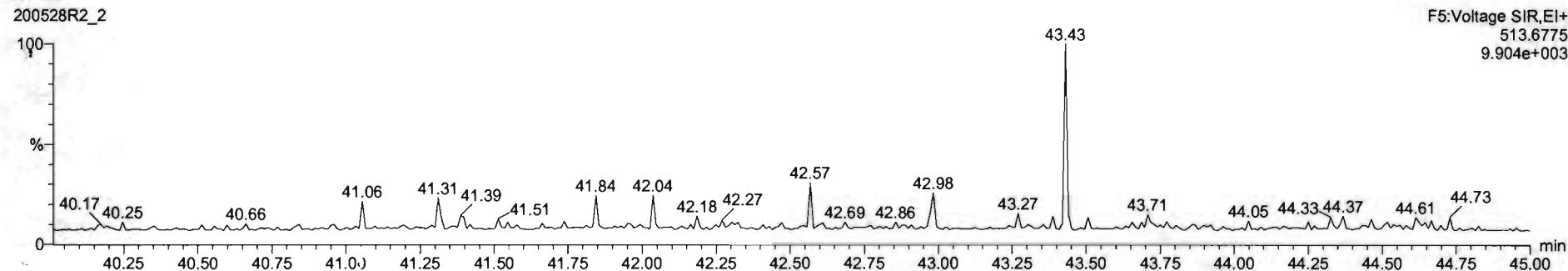
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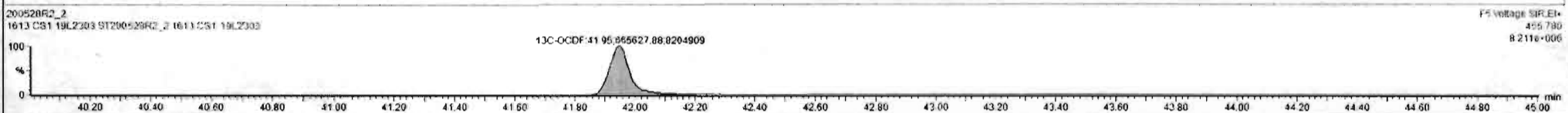
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DPE5



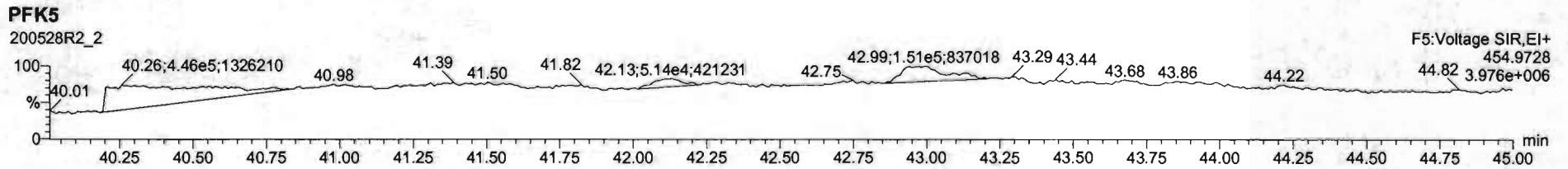
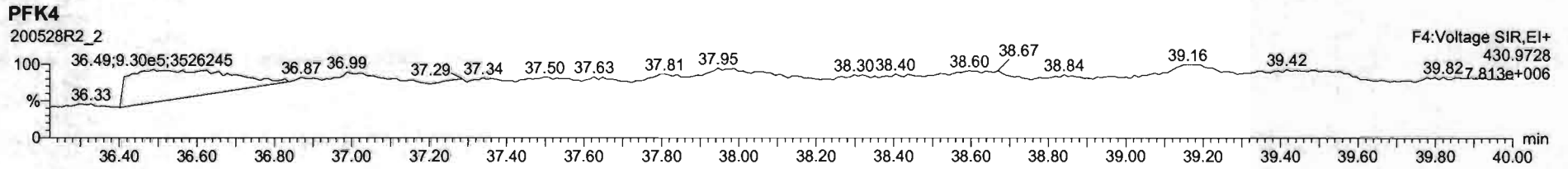
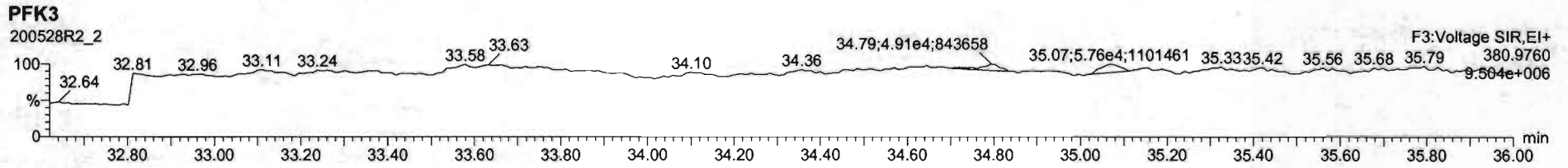
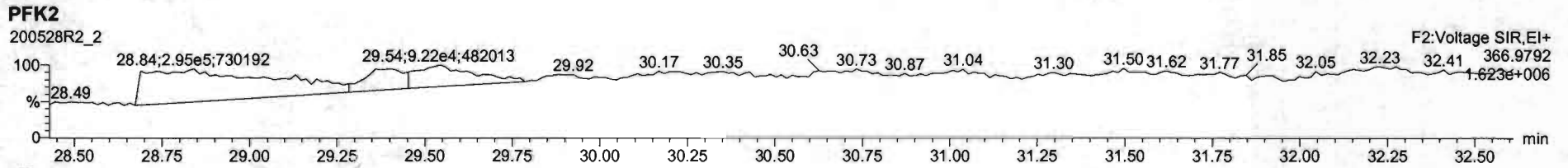
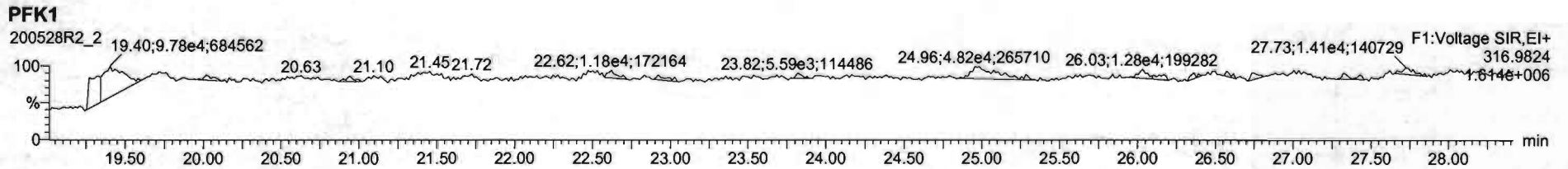
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.64	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.85e4	1.27	NO	1.0334	1.000	24.85	1.000	2.53	101	0.0774	2.53
4 1,2,3,6,7,8-HxCDD	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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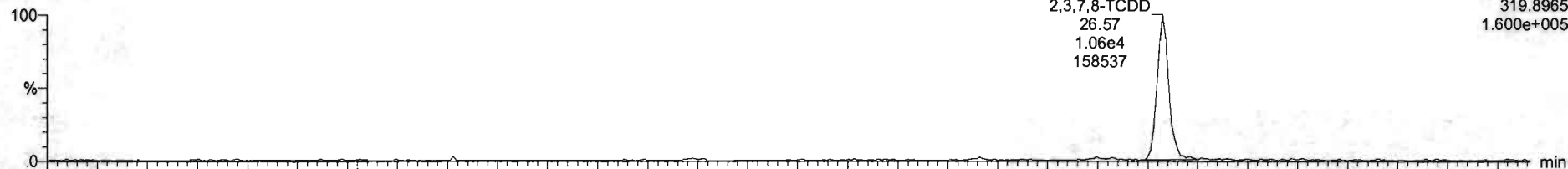
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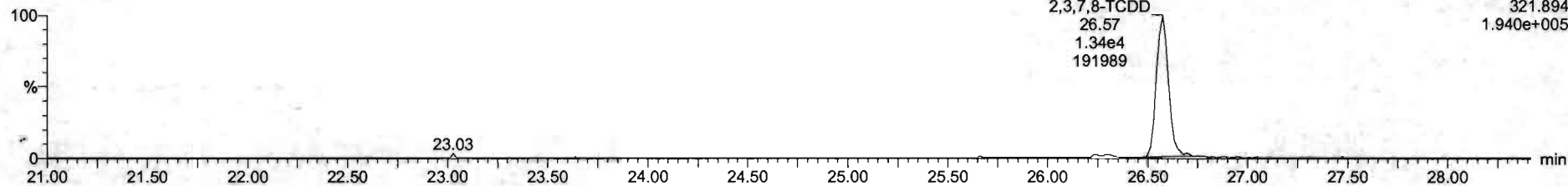
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2,3,7,8-TCDD

200528R2_3

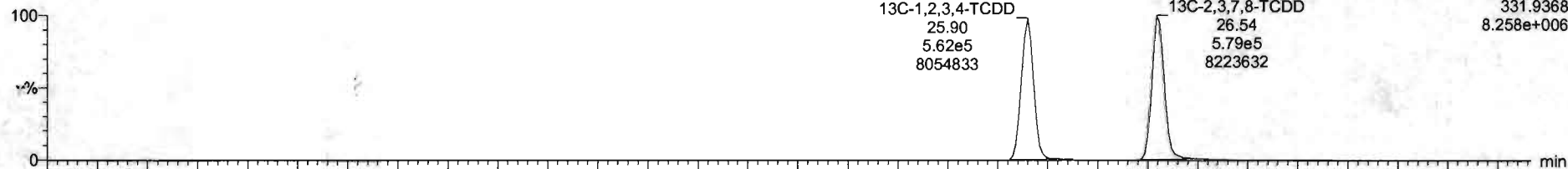


200528R2_3

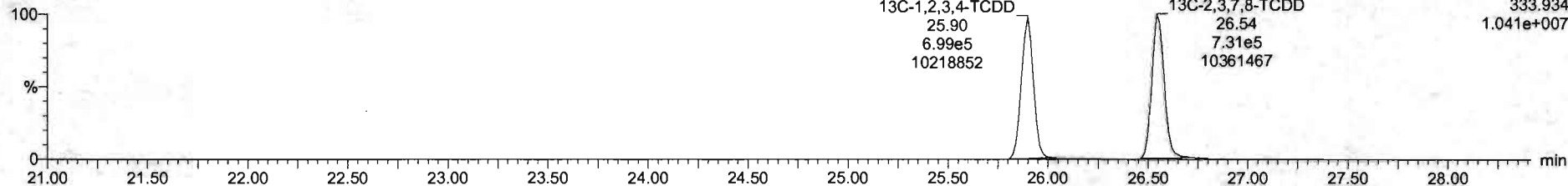


13C-2,3,7,8-TCDD

200528R2_3



200528R2_3



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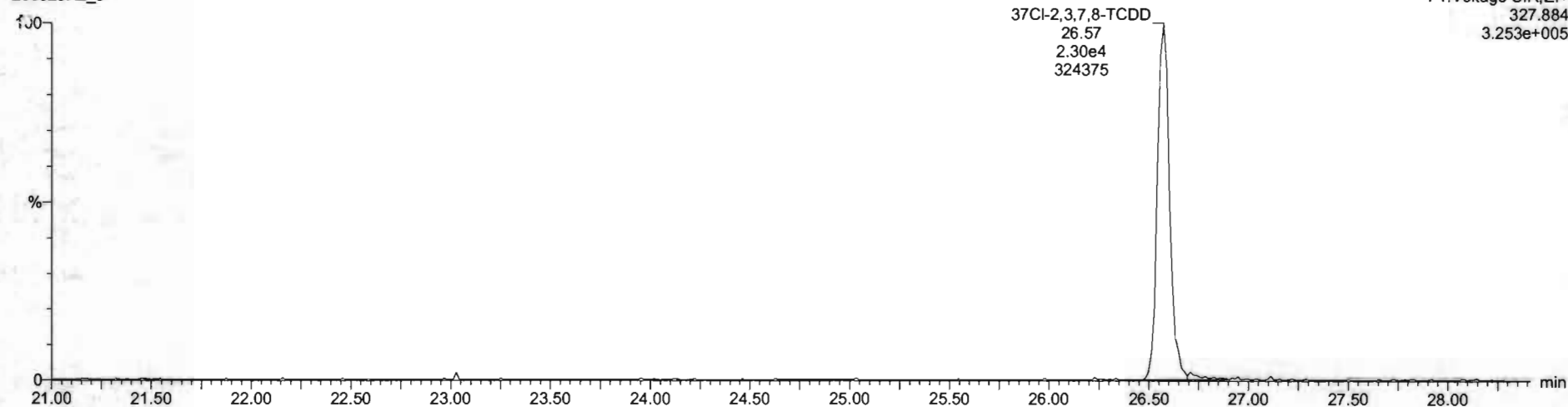
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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

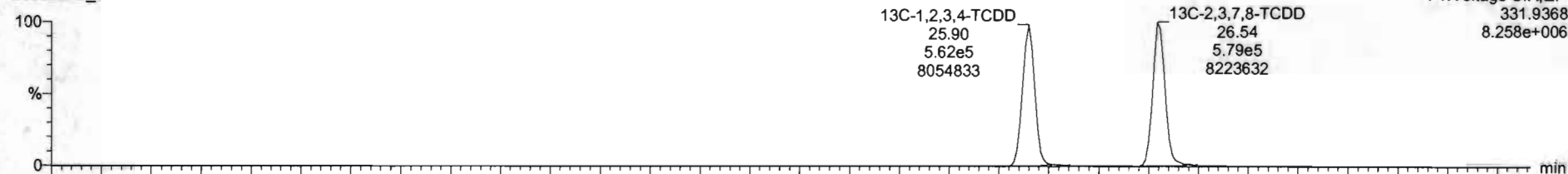
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200528R2_3

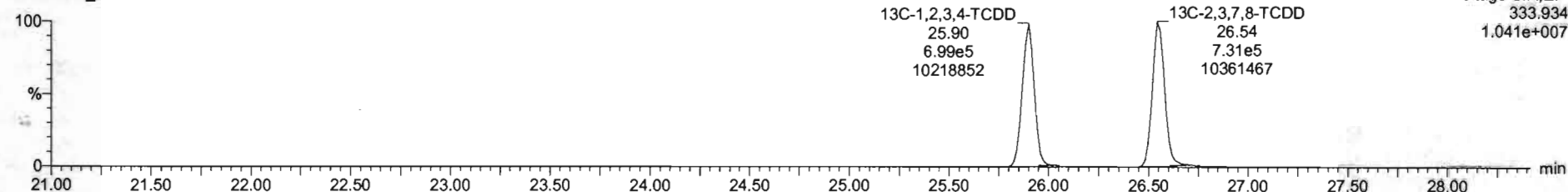


13C-1,2,3,4-TCDD

200528R2_3



200528R2_3



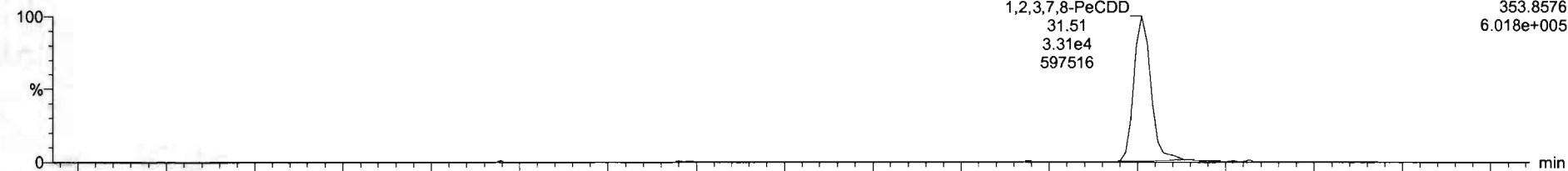
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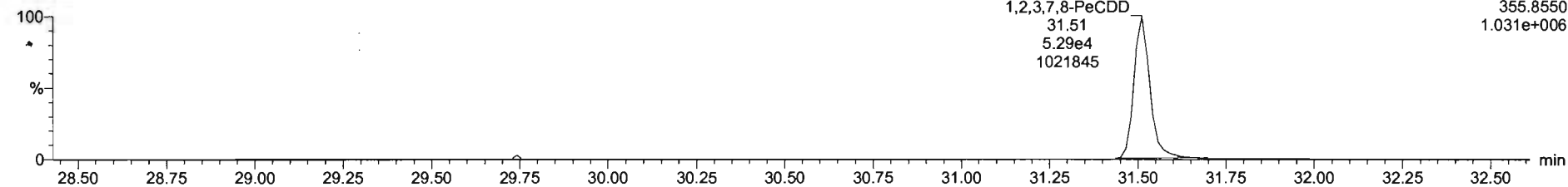
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1,2,3,7,8-PeCDD

200528R2_3

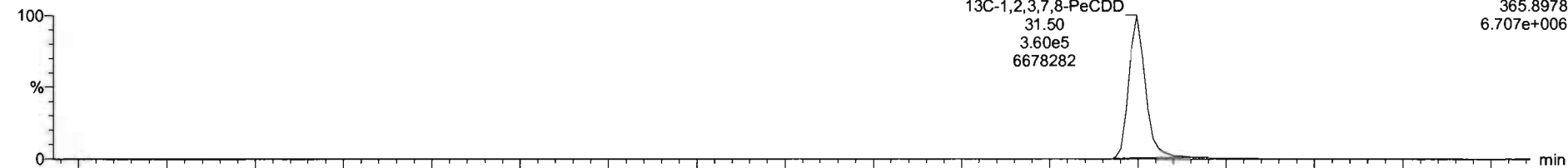


200528R2_3

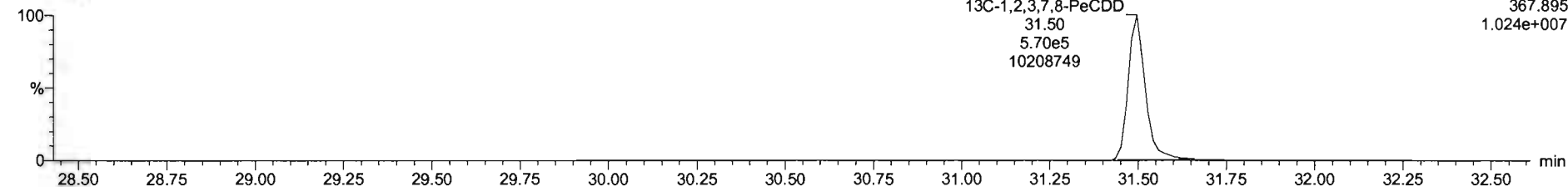


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200528R2_3



200528R2_3



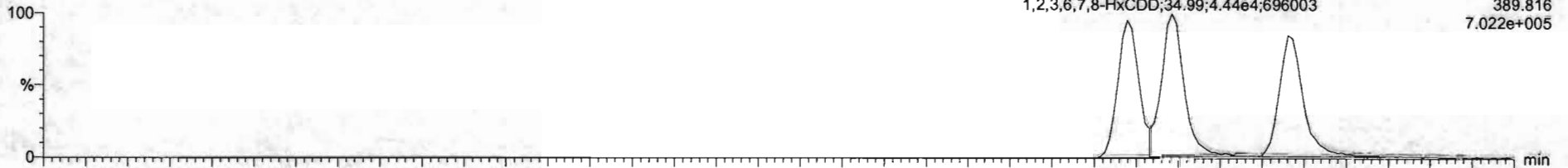
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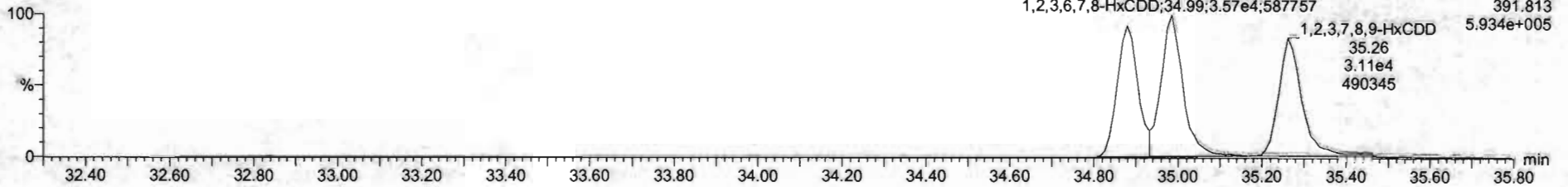
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1,2,3,4,7,8-HxCDD

200528R2_3

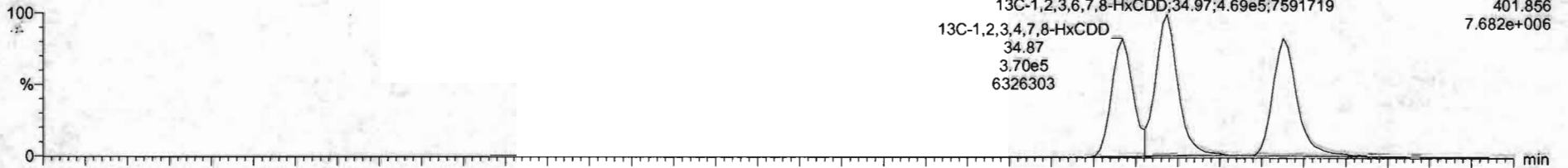


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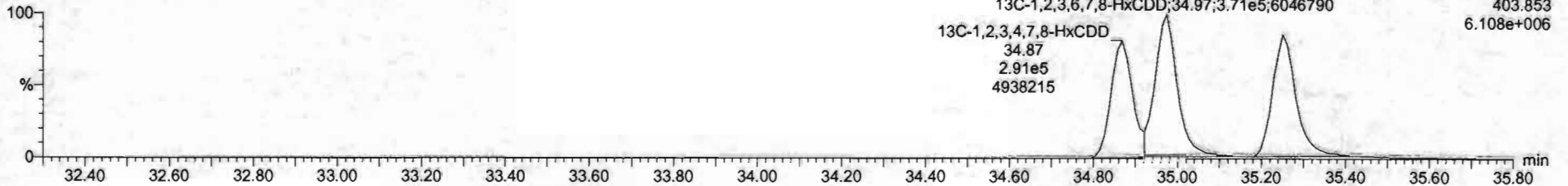


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200528R2_3



200528R2_3



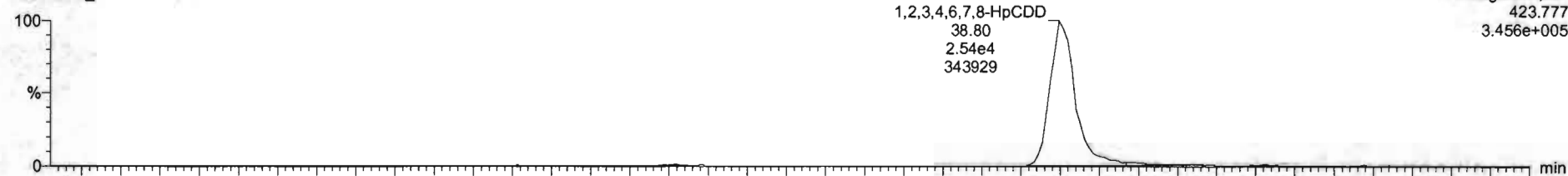
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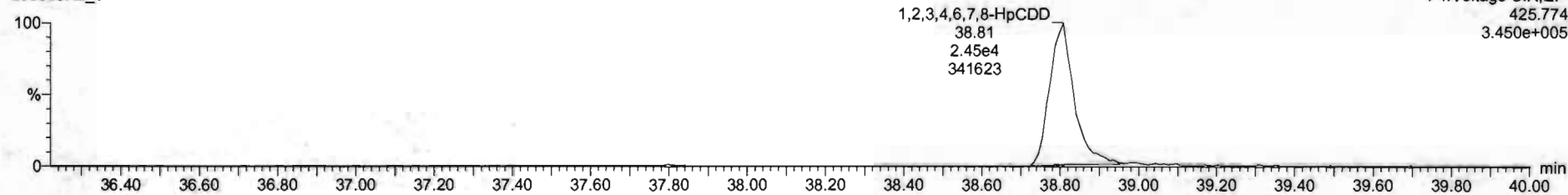
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1,2,3,4,6,7,8-HpCDD

200528R2_3

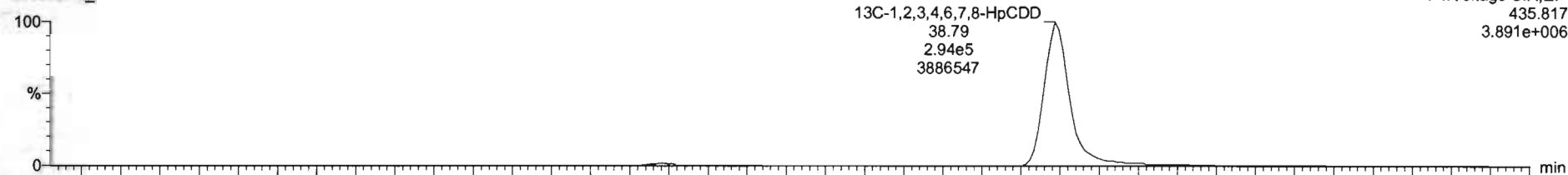


200528R2_3

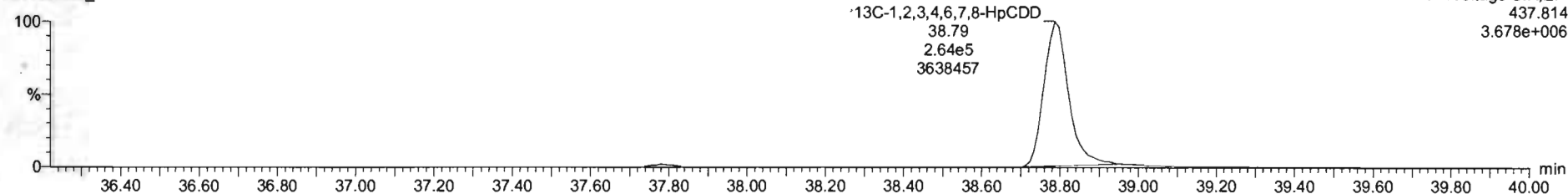


13C-1,2,3,4,6,7,8-HpCDD

200528R2_3



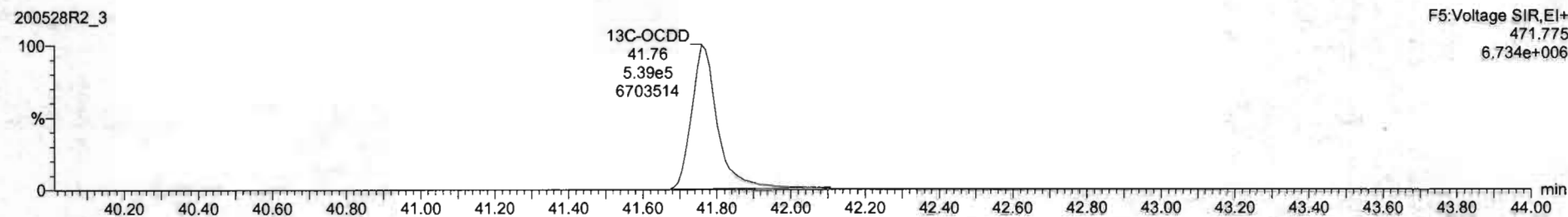
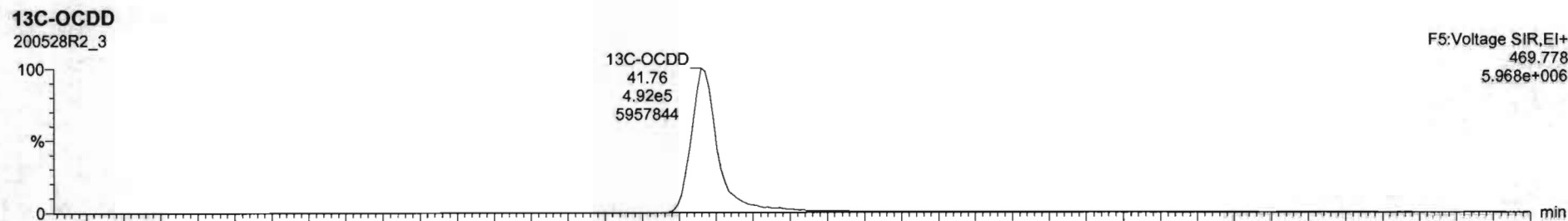
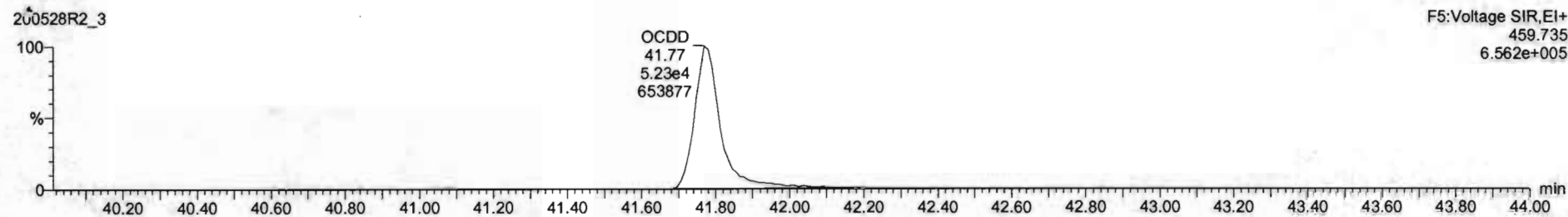
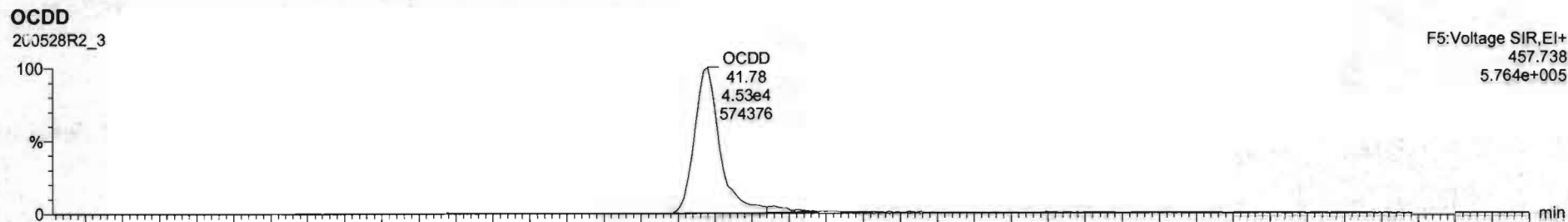
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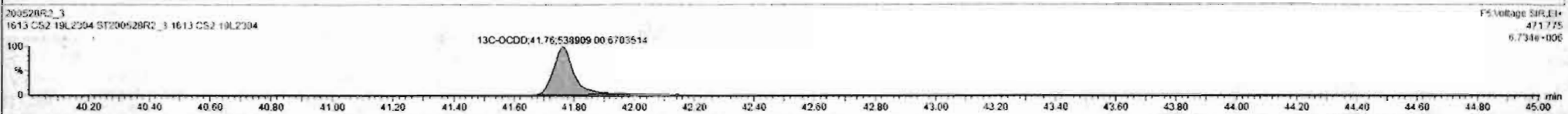
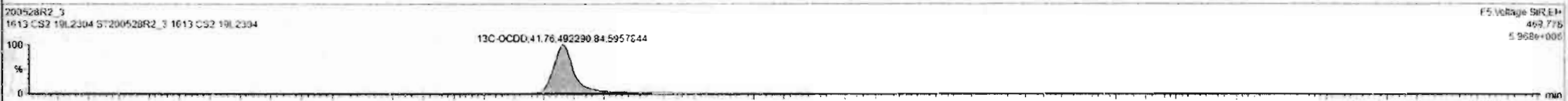
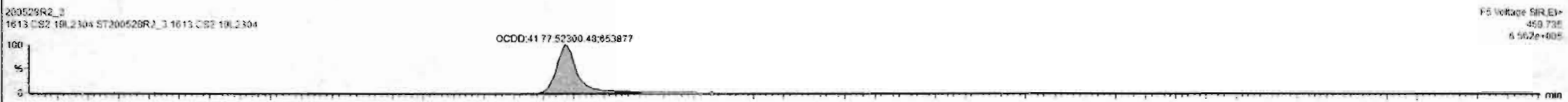
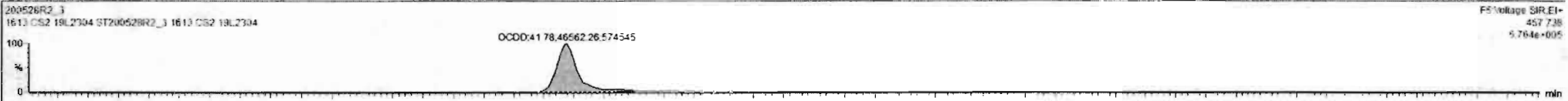
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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	



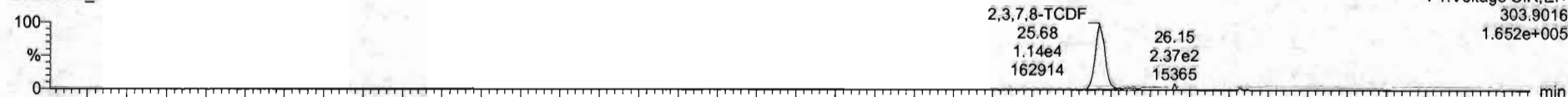
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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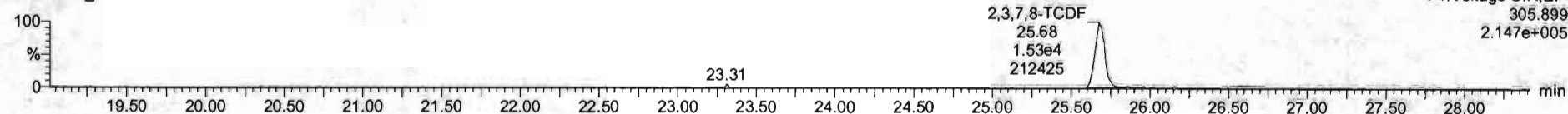
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200528R2_3



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1.652e+005

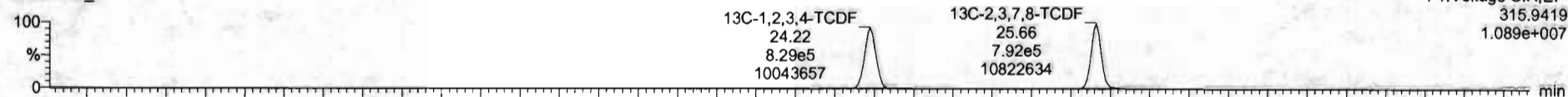
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2.147e+005

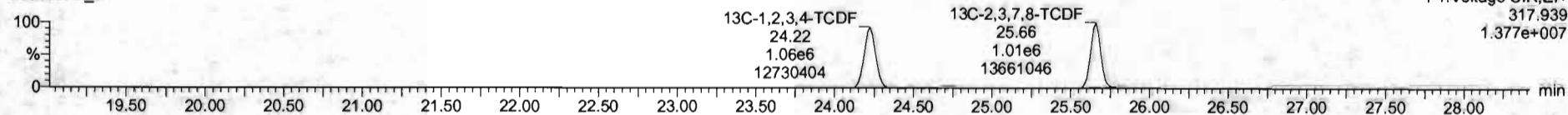
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200528R2_3



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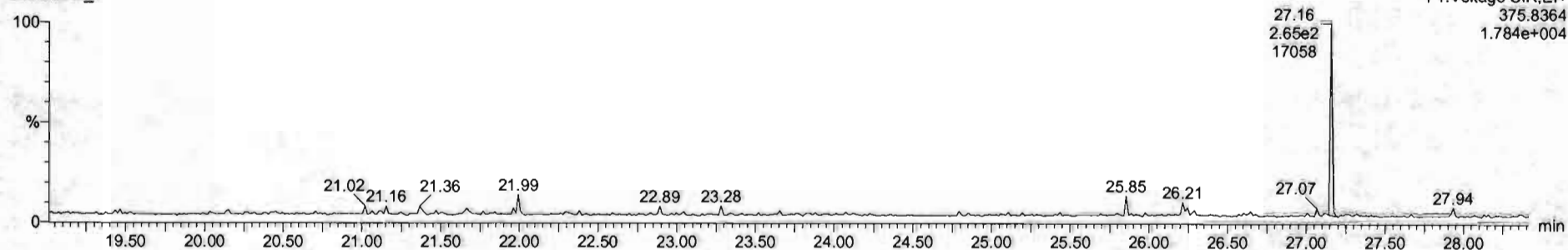
200528R2_3



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DPE1

200528R2_3



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375.8364
1.784e+004

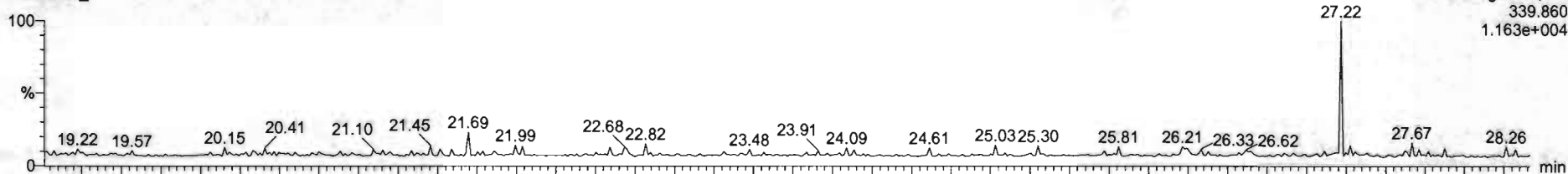
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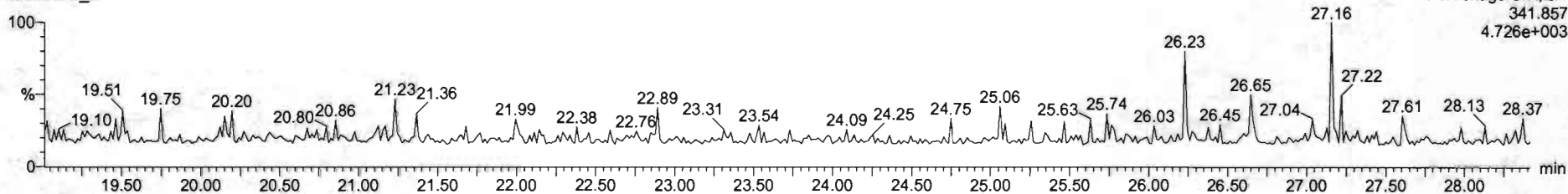
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200528R2_3

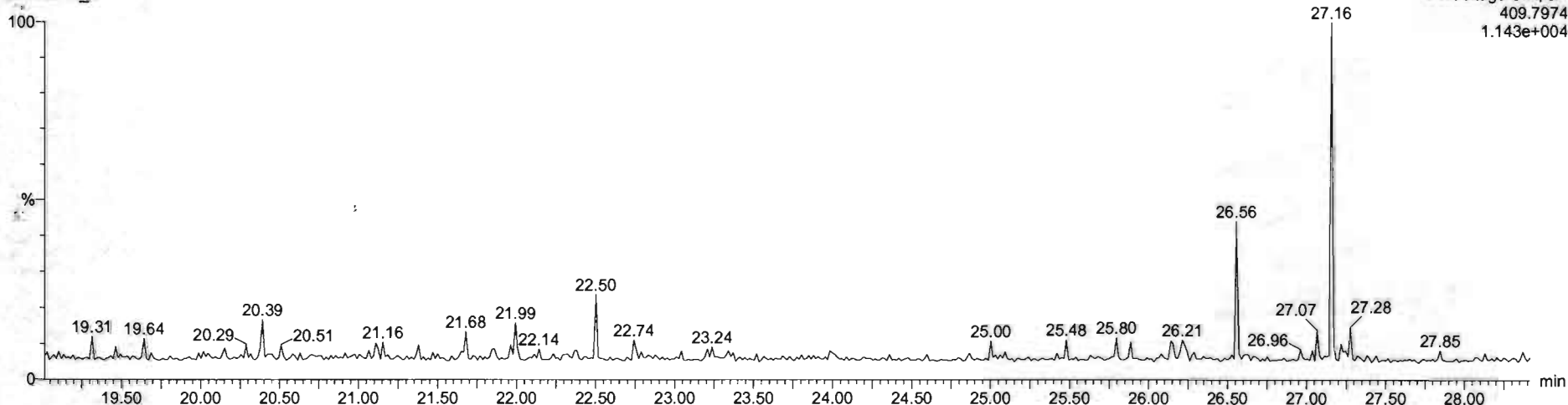


200528R2_3



DPE6

200528R2_3



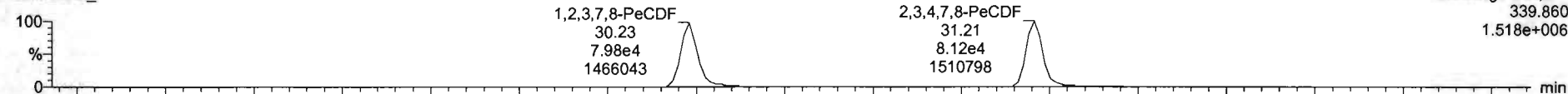
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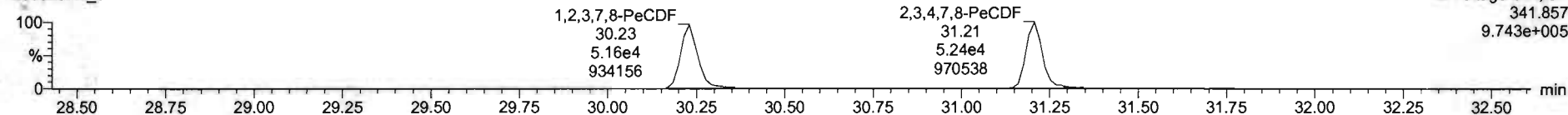
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1,2,3,7,8-PeCDF

200528R2_3

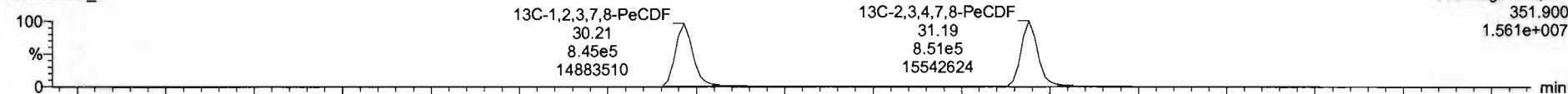


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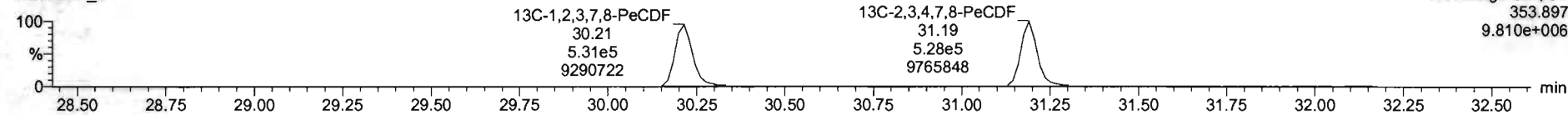


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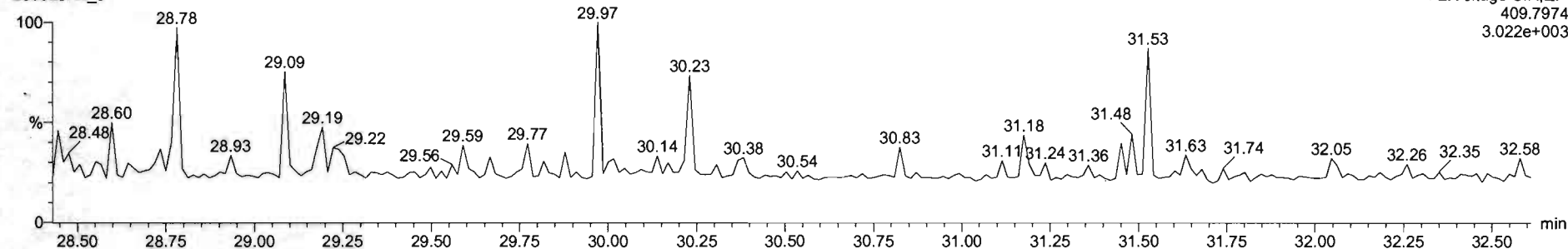


200528R2_3



DPE2

200528R2_3



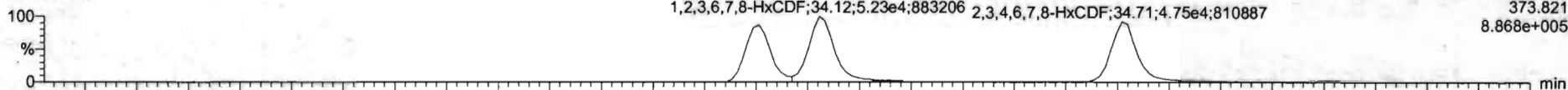
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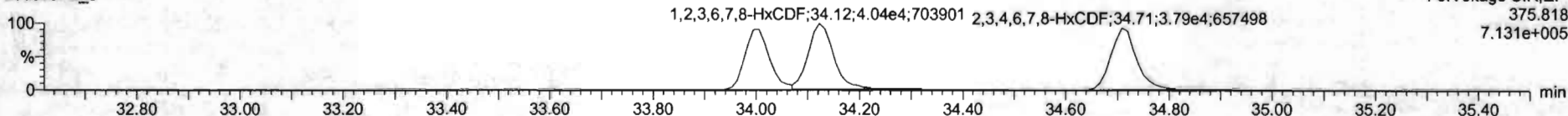
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1,2,3,4,7,8-HxCDF

200528R2_3

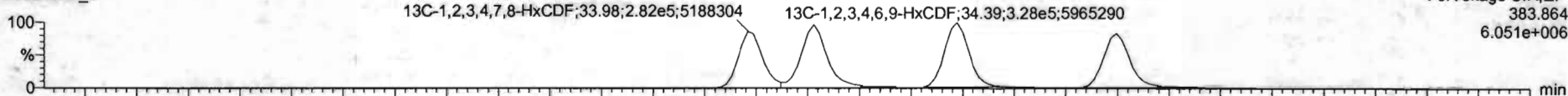


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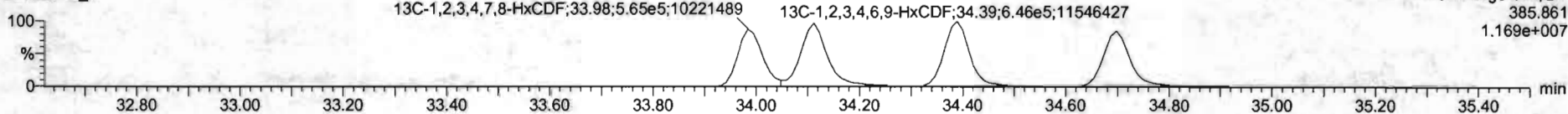


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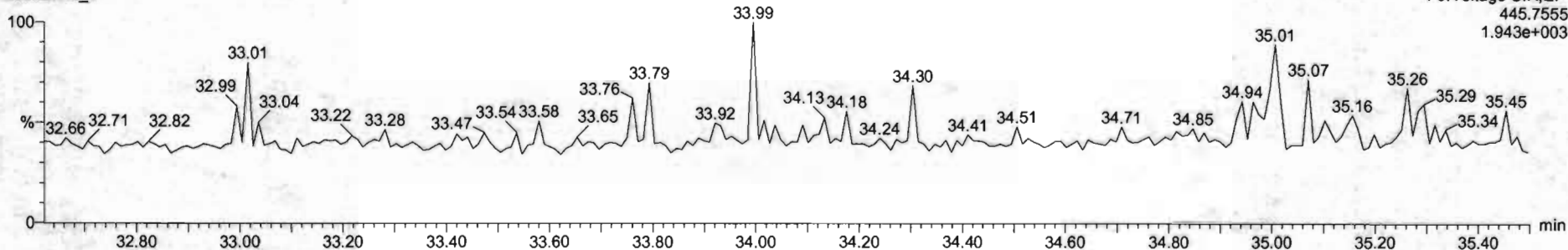


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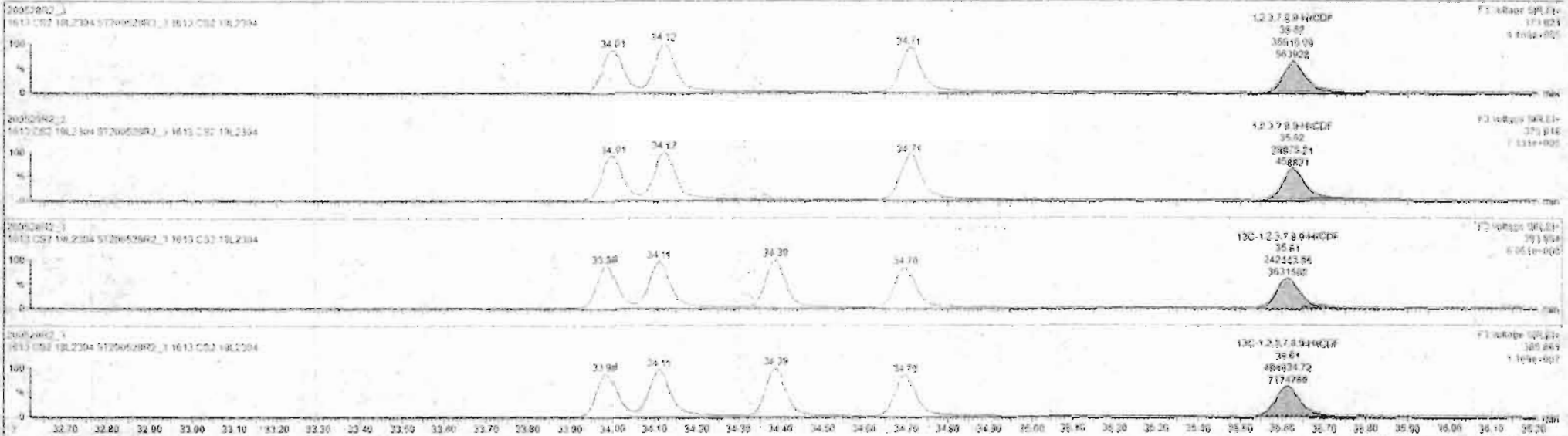
200528R2_3



#	Name	Resp	Rk	ntf	RRF	weight	RT	NK1	Conc	%Rec	DR	EMPL
1	1,2,3,6,7-CDD	2.58e4	0.39	NO	0.8883	1.000	26.57	1.001	2.08	103	0.0270	2.08
2	1,2,3,7,8-PeCDD	5.58e4	0.43	NO	0.9051	1.000	31.51	1.000	10.2	102	0.0400	10.2
3	1,2,3,4,7,8-HxCDD	5.94e4	1.24	NO	1.0334	1.000	34.88	1.000	16.2	102	0.0531	16.2
4	1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8923	1.000	34.95	1.000	16.7	107	0.0559	16.7
5	1,2,3,7,8,9-HxCDD	7.01e4	1.26	NO	0.9269	1.000	35.26	1.000	16.1	105	0.0670	16.1
6	1,2,3,4,6,7,8-HpCDD	1.99e4	1.02	NO	0.8839	1.000	39.80	1.000	10.4	104	0.0397	10.4
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	0.0311	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	0.0517	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-HpCDF	7.91e4	1.22	NO	0.8545	1.000	34.01	1.001	10.5	106	0.0461	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	0.0395	10.3
13	1,2,3,6,7,8-HpCDF	8.03e4	1.21	NO	0.9191	1.000	34.71	1.000	10.5	105	0.0493	10.5
14	1,2,3,7,8,9-HpCDF	6.49e4	1.24	NO	0.9707	1.000	35.62	1.000	10.3	102	0.0461	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	0.0428	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	0.0461	10.4
17	OCDF	5.58e4	0.36	NO	0.8595	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	26.54	1.025	39.0	99.8	0.0469	39.0
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	98.0
20	1,2,3,4,7,8-HpCDD	6.61e5	1.27	NO	0.7790	1.000	24.97	1.014	37.0	112	0.149	37.0
21	1,2,3,6,7,8-HpCDD	6.19e5	1.38	NO	1.0167	1.000	24.97	1.017	64.7	54.7	0.146	64.7



#	Name	Range	ISA	city	RFP	wtVol	RT	RRT	Conc	%Rec	DI	EMPC
1	1,2,3,7,8-HxCDD	2.48e4	0.30	NO	0.8853	1.000	26.17	1.001	3.28	101	0.0078	2.01
2	1,2,3,7,8-PeCDD	5.55e4	0.50	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	1.0374	1.000	34.00	1.000	10.2	102	0.0511	10.2
4	1,2,3,6,7,8-HxCDD	1.01e4	1.24	NO	0.8927	1.000	34.99	1.000	10.7	101	0.0569	10.7
5	1,2,3,7,8,9-HxCDD	7.51e4	1.25	NO	0.8955	1.000	35.20	1.000	10.5	101	0.0670	10.5
6	1,2,3,4,6,7,8-HpCDD	4.99e4	1.03	NO	0.8838	1.000	28.00	1.000	10.4	104	0.0197	10.4
7	CdCDD	3.89e4	0.30	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	1.21	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	10.7
10	1,2,3,4,7,8-HxCDF	1.38e4	1.55	NO	0.9245	1.000	31.21	1.000	10.5	104	0.0475	10.4
11	1,2,3,4,7,8-HpCDF	7.91e4	1.22	NO	0.8545	1.000	34.01	1.001	10.5	100	0.2683	10.5
12	1,2,3,6,7,8-HxCDF	4.26e4	1.25	NO	0.9092	1.000	34.12	1.000	10.2	103	0.0595	10.2
13	1,2,3,7,8,9-HxCDF	8.51e4	1.25	NO	0.9341	1.000	34.71	1.000	10.3	105	0.0600	10.5
14	1,2,3,7,8,9-HpCDF	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	39.38	1.000	10.4	104	0.0601	10.4
17	CdCDF	3.56e4	0.50	NO	0.8985	1.000	41.96	1.000	25.4	103	0.0963	25.4
18	1,2,3,4,6,7,8,9-OCDF	1.31e4	0.79	NO	1.1560	1.000	26.54	1.025	19.0	89.5	0.0663	
19	1,2,3,6,7,8,9-HxCDF	9.29e4	0.53	NO	0.9420	1.000	31.05	1.216	58.0	96.5	0.123	
20	1,2,3,4,7,8,9-HpCDD	2.61e4	1.27	NO	0.7798	1.000	34.07	1.034	57.0	97.0	0.159	
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	0.145	



Custom Reporting: Select reports to generate

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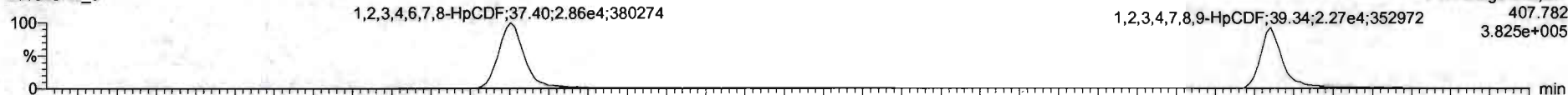
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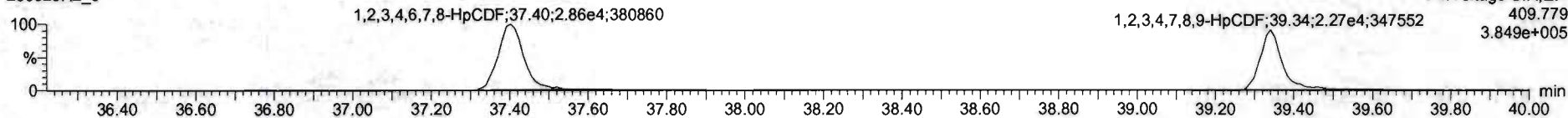
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200528R2_3

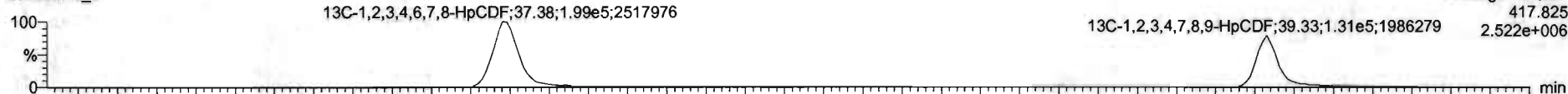


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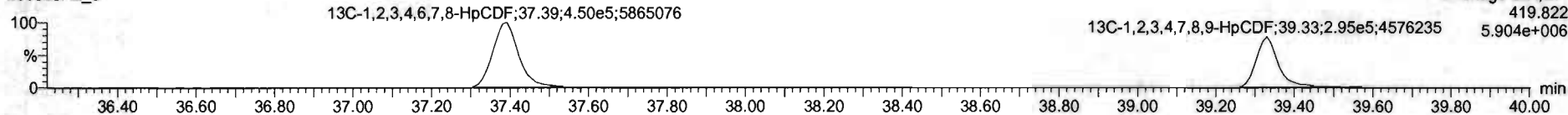


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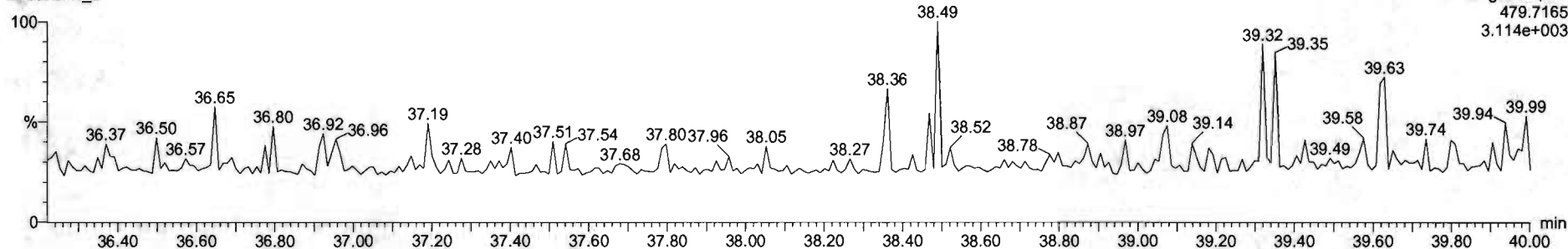


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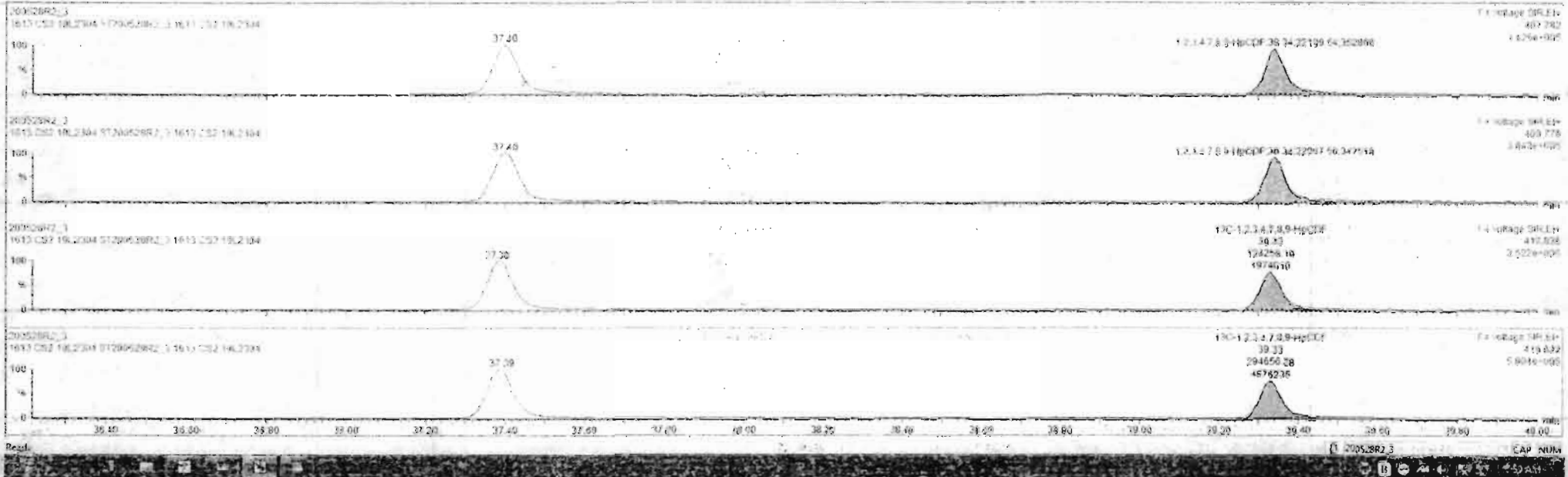
DPE4

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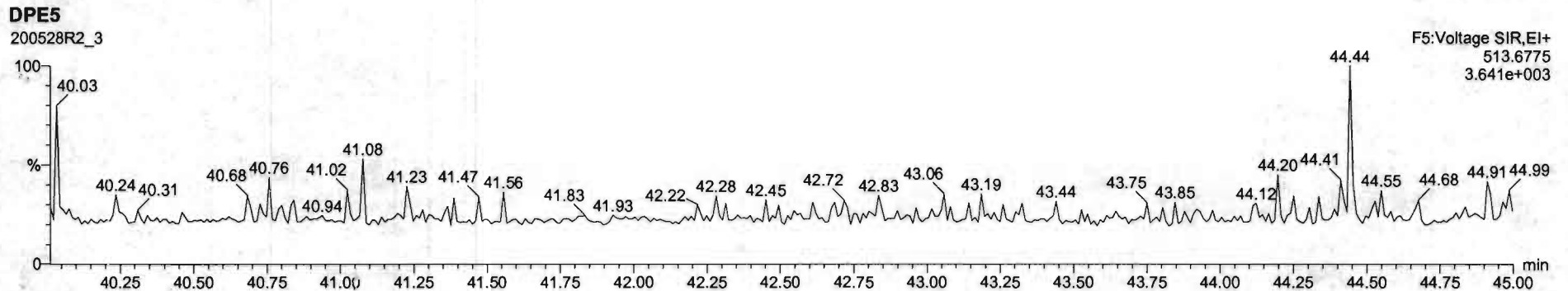
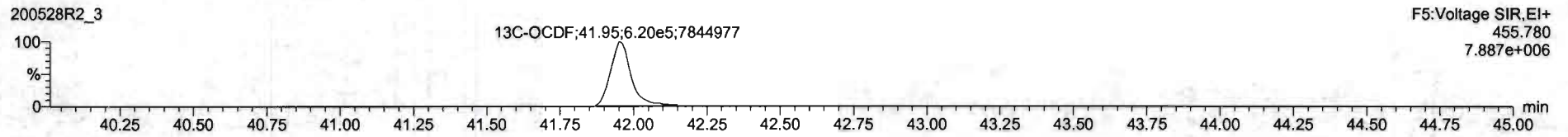
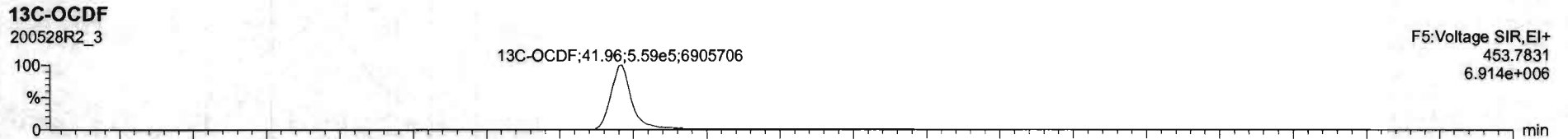
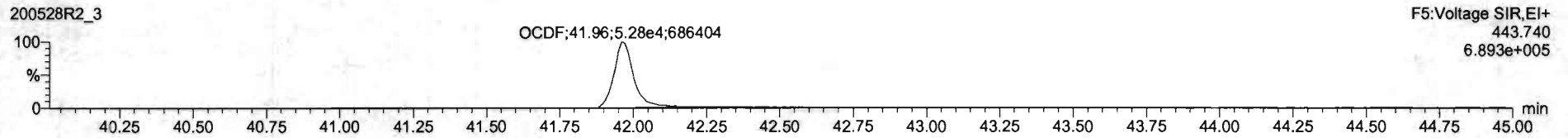
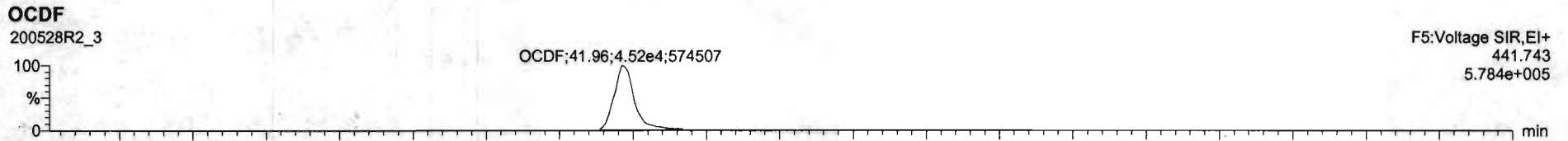
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2	1,2,3,7,8-PeCDF	1.50e4	0.00	NO	0.0001	1.00	31.01	1.00	10.2	10.7	0.0400	10.2
3	1,2,3,4,7,8-HxCDF	0.90e4	1.24	NO	1.0004	1.00	34.05	1.00	10.2	10.7	0.0501	10.2
4	1,2,3,6,7,8-HxCDF	0.01e4	1.04	NO	0.0001	1.00	34.36	1.00	10.7	10.7	0.0559	10.7
5	1,2,3,7,8-HxCDF	2.11e4	1.26	NO	0.0001	1.00	35.26	1.00	10.5	10.7	0.0579	10.5
6	1,2,3,4,6,7,8-HpCDF	1.90e4	1.00	NO	0.0001	1.00	36.90	1.00	10.4	10.4	0.0742	10.4
7	OCDF	0.00e4	0.00	NO	0.0000	1.00	41.75	1.00	21.0	10.5	0.100	21.0
8	1,2,3,6,7,8-HxCDF	2.07e4	0.74	NO	0.0001	1.00	20.00	1.00	1.97	36.8	0.0001	1.97
9	1,2,3,7,8-HxCDF	1.15e4	1.90	NO	0.0000	1.00	30.21	1.00	10.7	10.7	0.0517	10.7
10	1,2,3,4,7,8-HxCDF	1.10e4	1.00	NO	0.0000	1.00	31.01	1.00	10.4	10.4	0.0475	10.4
11	1,2,3,4,7,8-HxCDF	2.01e4	1.00	NO	0.0000	1.00	34.05	1.00	10.6	10.6	0.0651	10.6
12	1,2,3,6,7,8-HxCDF	1.20e4	1.00	NO	0.0000	1.00	34.12	1.00	10.3	10.3	0.0595	10.3
13	1,2,3,4,7,8-HxCDF	0.00e4	1.00	NO	0.0000	1.00	34.21	1.00	10.5	10.5	0.0640	10.5
14	1,2,3,7,8-HxCDF	0.00e4	1.24	NO	0.0000	1.00	35.02	1.00	10.3	10.3	0.0601	10.3
15	1,2,3,4,6,7,8-HpCDF	1.70e4	1.00	NO	0.0000	1.00	37.40	1.00	10.1	10.1	0.0620	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.00	NO	0.0000	1.00	39.34	1.00	10.4	10.4	0.0681	10.4
17	OCDF	0.00e4	0.00	NO	0.0000	1.00	41.30	1.00	26.6	10.5	0.0847	26.6
18	1,2,3,4,6,7,8-HpCDF	1.10e4	0.76	NO	1.1503	1.00	26.04	1.00	0.00	39.5	0.0800	0.00
19	1,2,3,4,7,8,9-HpCDF	0.00e4	0.00	NO	0.0000	1.00	31.00	1.00	0.00	0.00	0.120	0.00
20	1,2,3,4,7,8,9-HpCDF	0.01e4	1.27	NO	0.2790	1.00	34.07	1.00	0.00	0.00	0.100	0.00
21	1,2,3,4,6,7,8-HpCDF	0.00e4	1.26	NO	1.0007	1.00	34.07	1.00	34.7	34.7	0.140	34.7



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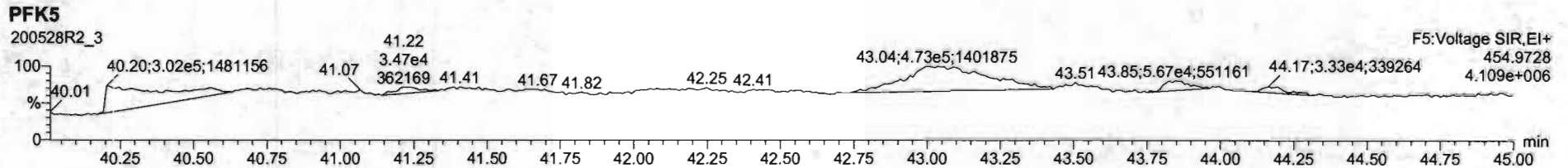
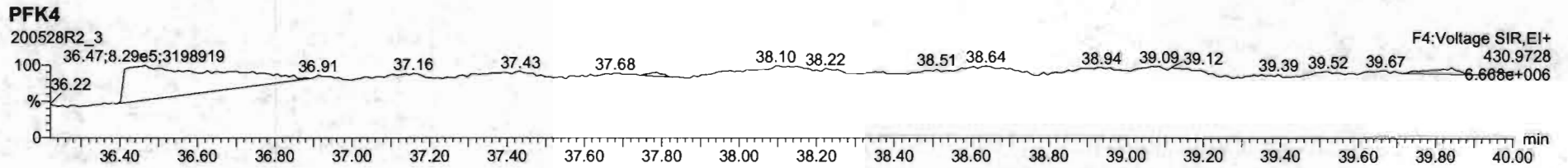
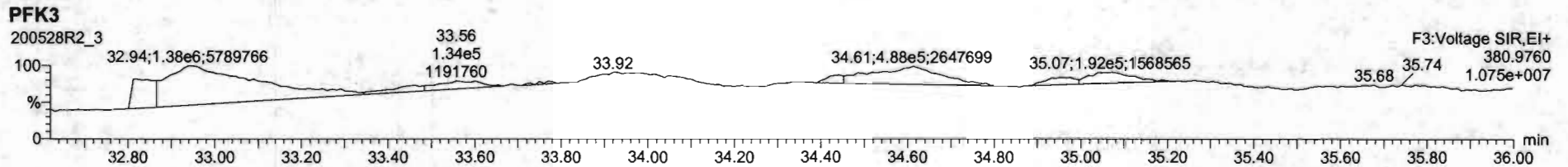
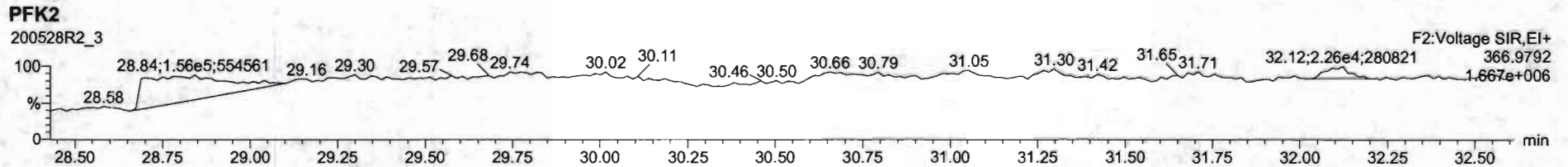
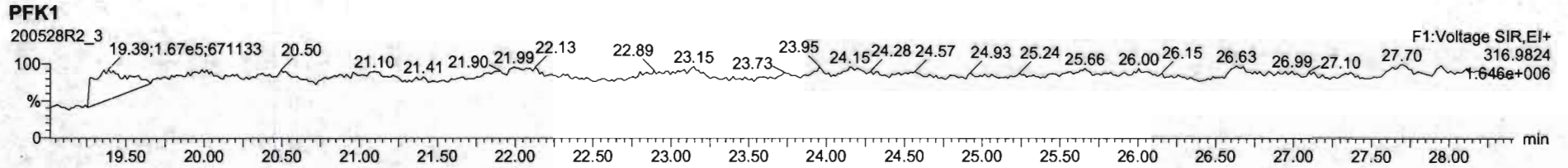
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



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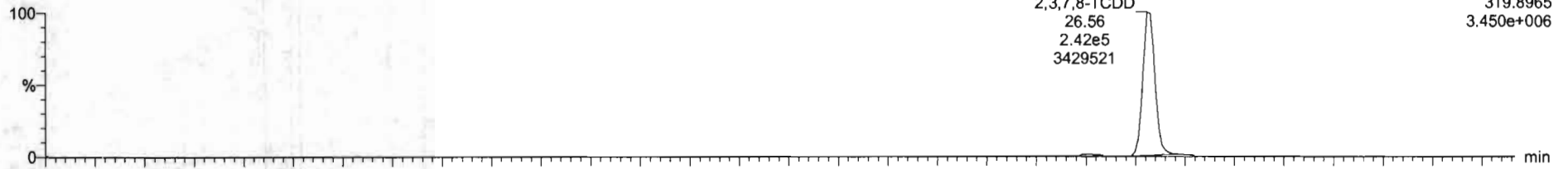
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

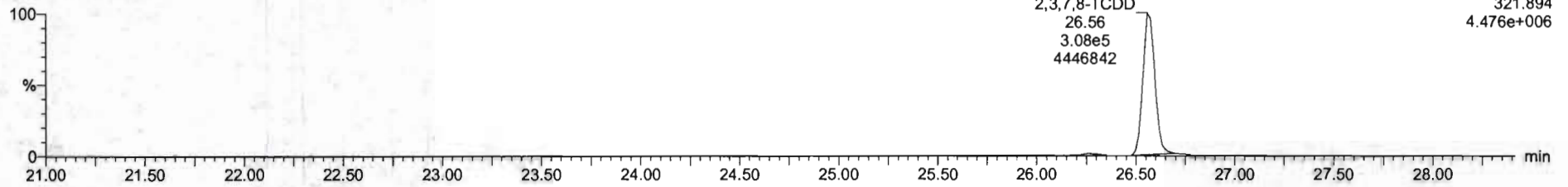
2,3,7,8-TCDD

200528R2_4



F1:Voltage SIR,EI+
319.8965
3.450e+006

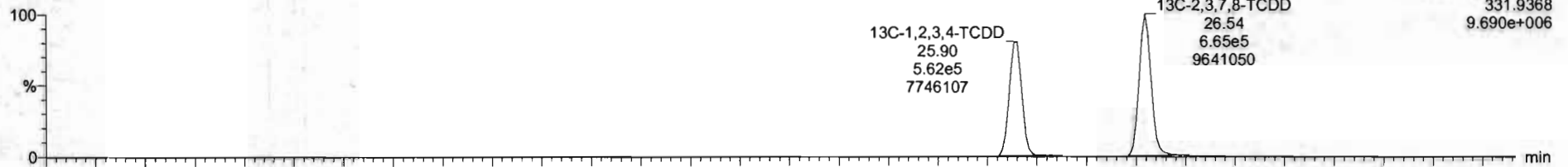
200528R2_4



F1:Voltage SIR,EI+
321.894
4.476e+006

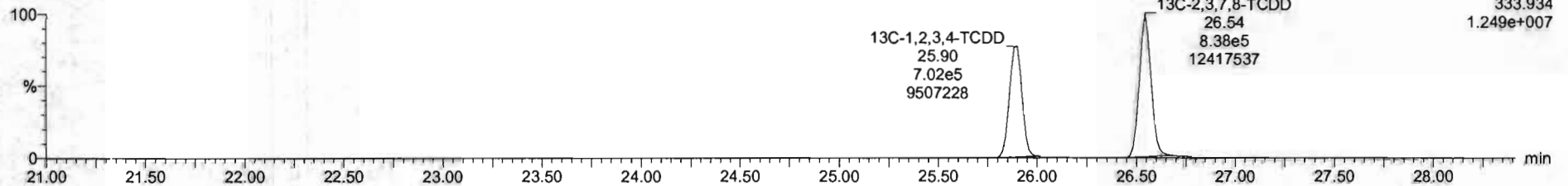
13C-2,3,7,8-TCDD

200528R2_4



F1:Voltage SIR,EI+
331.9368
9.690e+006

200528R2_4



F1:Voltage SIR,EI+
333.934
1.249e+007

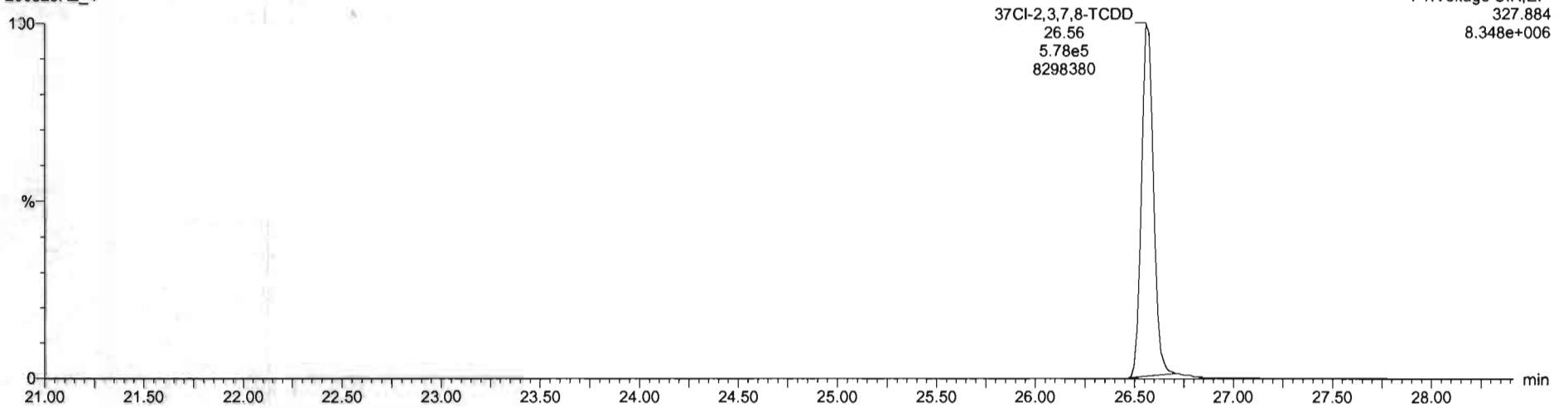
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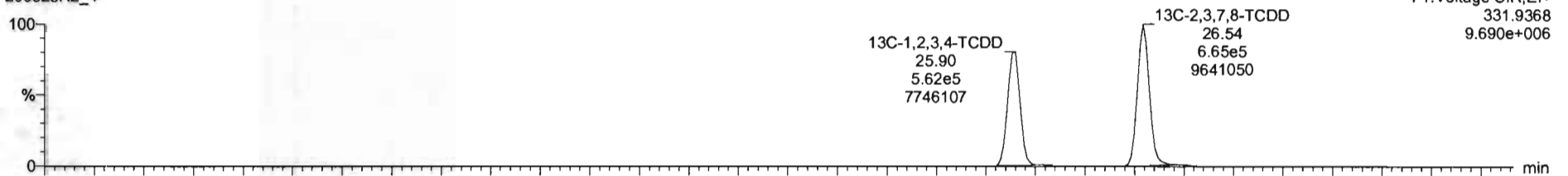
37Cl-2,3,7,8-TCDD

200528R2_4

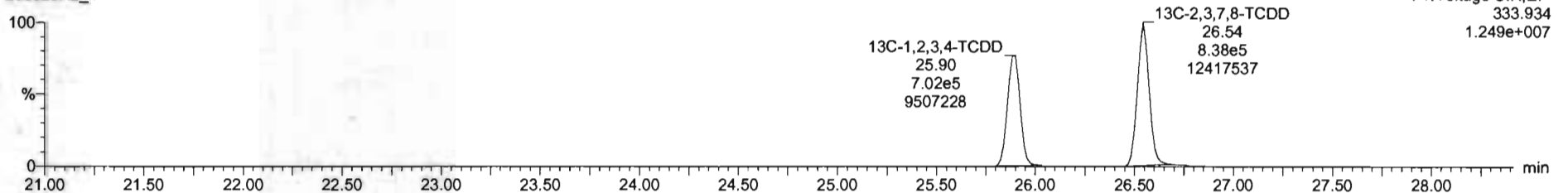


13C-1,2,3,4-TCDD

200528R2_4



200528R2_4



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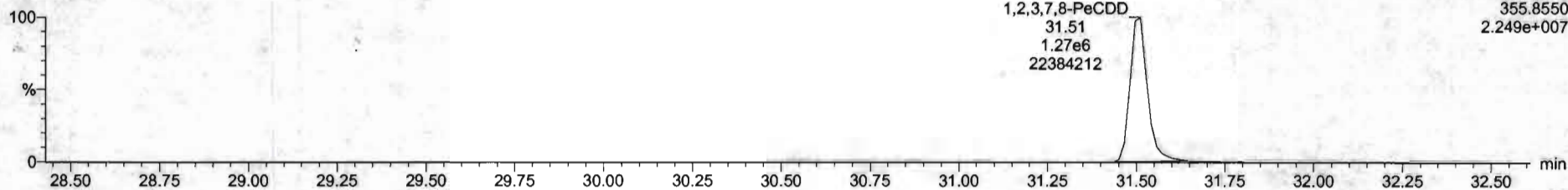
1,2,3,7,8-PeCDD

200528R2_4



F2:Voltage SIR,EI+
353.8576
1.439e+007

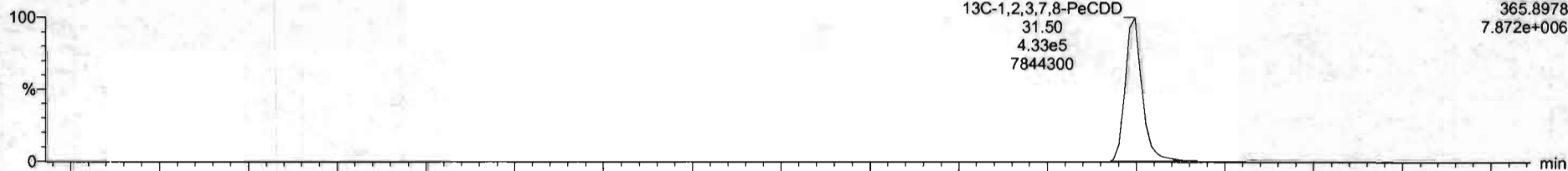
200528R2_4



F2:Voltage SIR,EI+
355.8550
2.249e+007

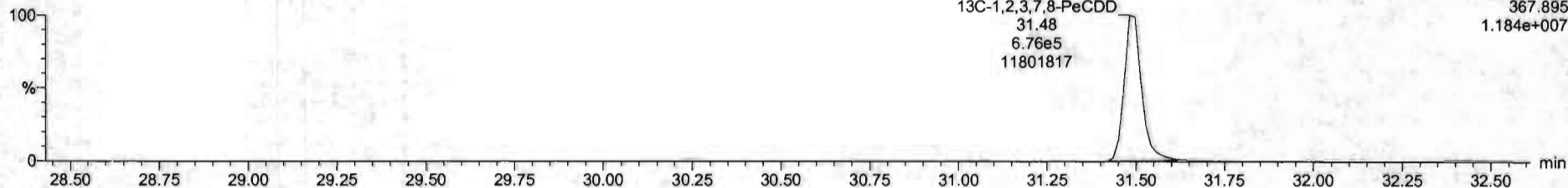
13C-1,2,3,7,8-PeCDD

200528R2_4



F2:Voltage SIR,EI+
365.8978
7.872e+006

200528R2_4



F2:Voltage SIR,EI+
367.895
1.184e+007

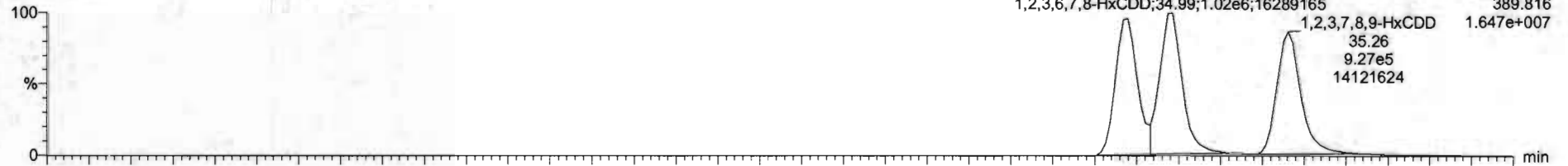
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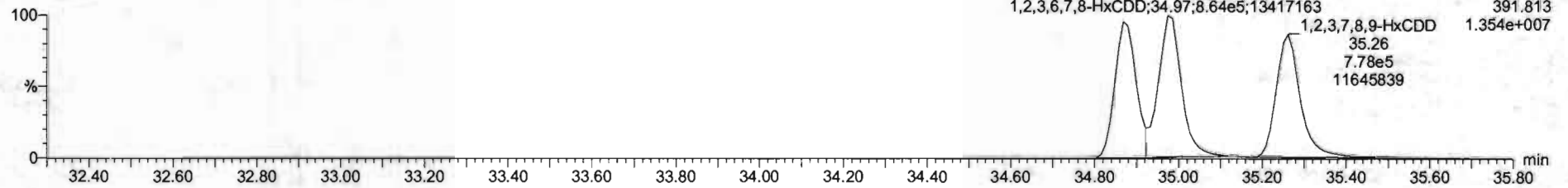
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1,2,3,4,7,8-HxCDD

200528R2_4

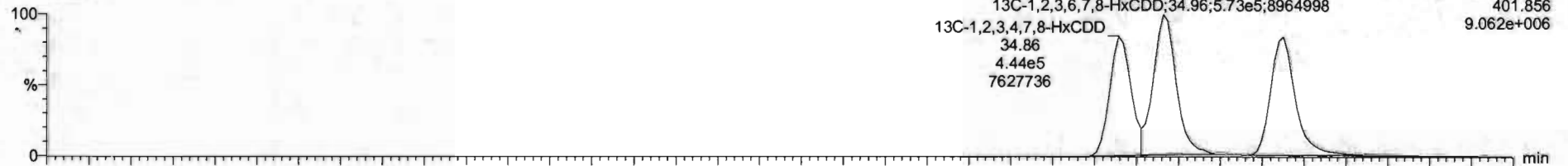


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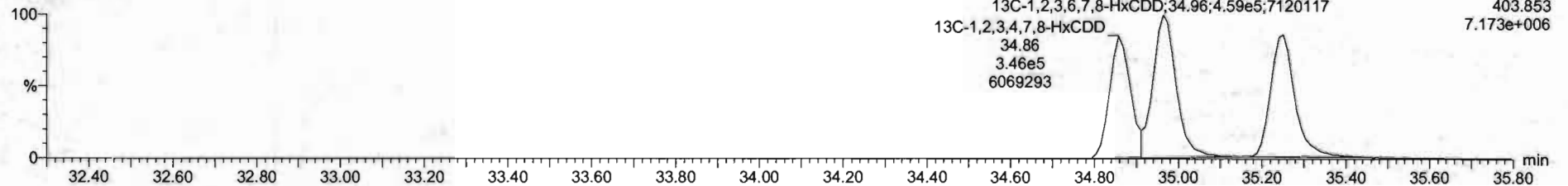


13C-1,2,3,4,7,8-HxCDD

200528R2_4

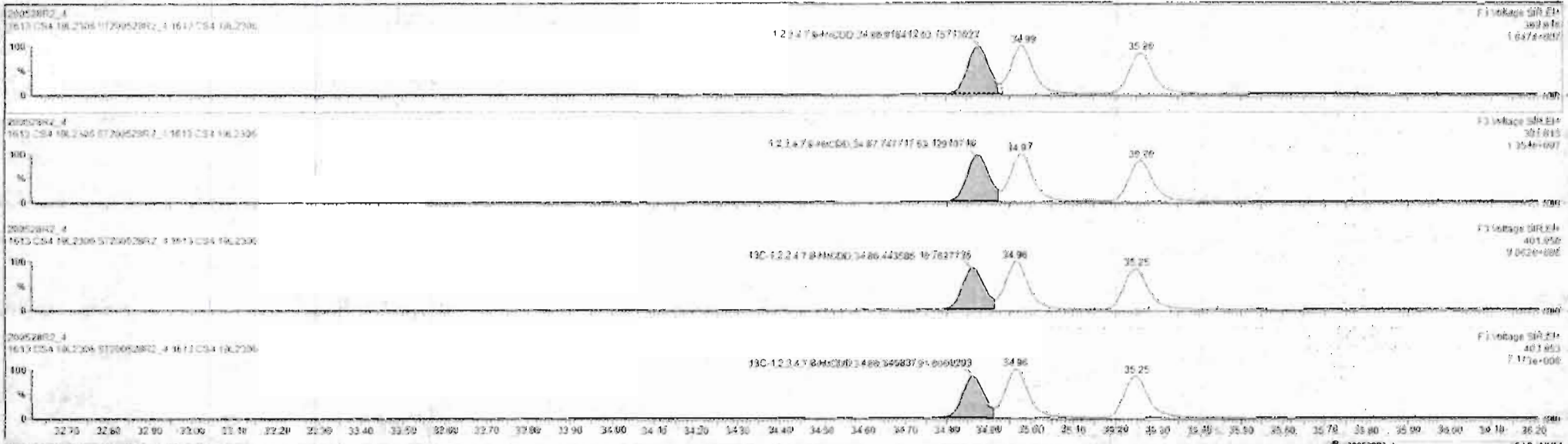


200528R2_4



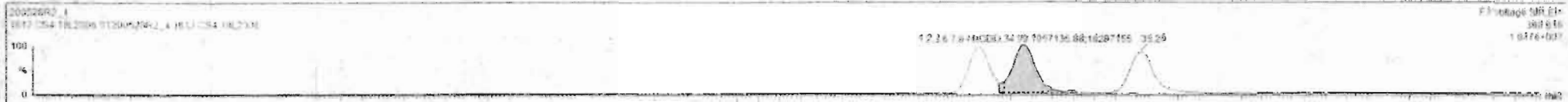


K1	Name	ResP	RA	n/y	RRF	inVol	RT	RRT	Conc	%Rec	DL	EMPC
1	1.2.3.7.8-TCDD	2.50e6	0.78	NO	0.882	1.000	26.99	1.001	41.2	101	0.129	41.2
2	1.2.3.7.8-HxCDD	2.25e6	0.83	NO	0.6091	1.000	31.51	1.000	205	102	0.0837	205
3	1.2.3.4.7.8-HxCDD	1.67e6	1.23	NO	1.0394	1.000	34.86	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8921	1.000	34.98	1.001	200	104	0.111	200
5	1.2.3.7.8.9-HxCDD	1.70e6	1.26	NO	0.8865	1.000	35.25	1.000	210	105	0.113	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.6839	1.000	36.80	1.000	211	105	0.218	211
7	OCDD	2.45e6	0.27	NO	0.9136	1.000	41.77	1.000	397	99.4	0.192	397
8	1.2.3.6.7.8-TCDF	6.52e5	0.76	NO	0.7019	1.000	25.88	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	28.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	3.50e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.223	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8812	1.000	33.12	1.001	206	103	0.203	206
13	2.3.4.6.7.8-HxCDF	2.96e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.26	NO	0.8701	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8065	1.000	41.96	1.000	402	100	0.171	402
18	13C-1.2.3.7.8-TCDD	1.58e6	0.79	NO	1.1563	1.000	26.64	1.025	103	103	0.164	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.84	NO	0.8489	1.000	31.58	1.216	103	103	0.138	
20	13C-1.2.3.4.7.8-HxCDD	7.89e5	1.28	NO	0.7736	1.000	34.96	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.07e6	1.25	NO	1.0127	1.000	34.96	1.017	104	104	0.121	

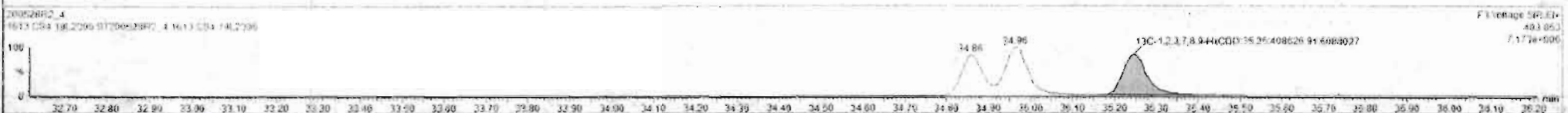
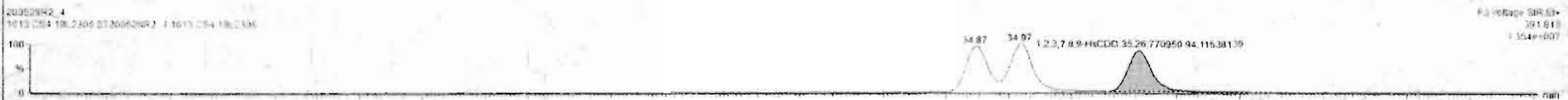


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#	Name	Keep	RA	dy	RF	width	RT	RRT	Conc	Wt%	DL	EMPU
1	1.2.3.7.8-TCDF	1.50e6	0.75	NO	0.0061	1.000	36.96	1.001	41.2	101	0.124	41.1
2	1.2.3.7.8-HxCDD	2.56e6	0.81	NO	0.0061	1.000	31.51	1.000	205	102	0.0017	204
3	1.2.3.7.8-HxCDF	1.87e6	1.23	NO	1.0714	1.000	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	0.219	211
7	OCDD	2.45e6	0.97	NO	0.0136	1.000	41.77	1.000	307	99.4	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	33.95	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	0.0307	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	0.0734	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	0.75	NO	1.1563	1.000	26.94	1.000	163	103	0.114	163
19	1.2.3.7.8-HxCDF	1.11e6	0.84	NO	0.0490	1.000	31.00	1.210	103	103	0.170	103
20	1.2.3.4.7.8-HxCDD	7.39e6	1.23	NO	0.7790	1.000	34.06	1.014	103	103	0.172	103
21	1.2.3.7.8-HxCDD	1.02e6	1.25	NO	1.0107	1.000	34.96	1.017	104	104	0.171	104



#	Name	Resp	RA	ny	RRF	wlvol	RT	RRT	Coef	%Rec	DL	104PC
1	1,2,3,6,7-CDD	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-HxCDD	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-HxCDD	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-HxCDD	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-HpCDD	1.25e6	1.62	NO	0.8830	1.000	38.50	1.000	211	105	0.123	211
7	COCDF	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.100	397
8	1,2,3,6,7-CDF	6.53e6	0.76	NO	0.7510	1.000	25.68	1.001	42.0	107	0.123	42.0
9	1,2,3,7,8-CDF	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-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	1.0126	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	3.54e6	0.57	NO	0.8095	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8,9-CDF	1.56e6	0.75	NO	1.1567	1.000	28.54	1.025	103	103	0.164	
19	1,2,3,4,7,8-HpCDD	1.11e6	0.64	NO	0.8469	1.000	31.50	1.216	103	103	0.139	
20	1,2,3,4,7,8-HxCDD	7.89e6	1.28	NO	0.7798	1.000	34.96	1.014	103	103	0.172	
21	1,2,3,4,7,8-HpCDD	1.03e6	1.35	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



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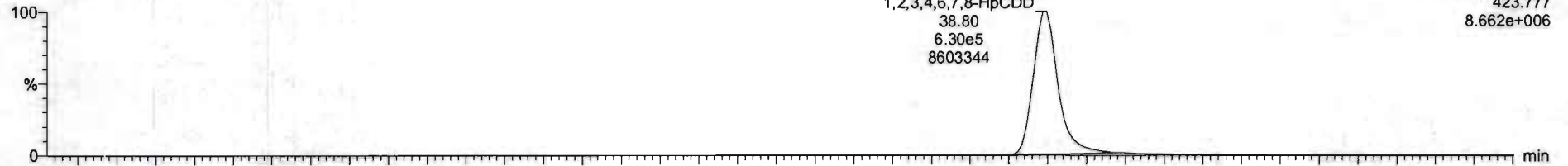
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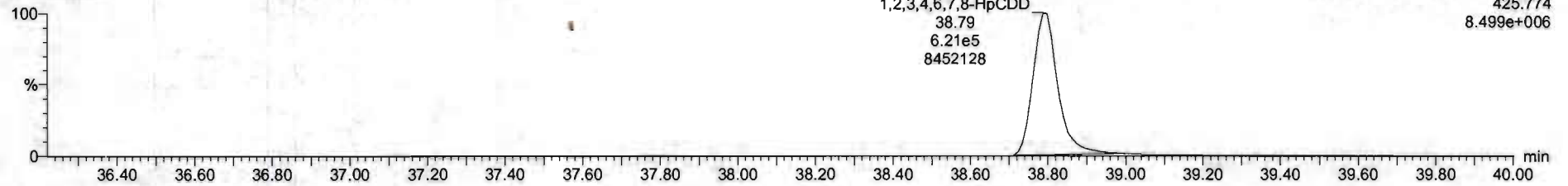
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1,2,3,4,6,7,8-HpCDD

200528R2_4

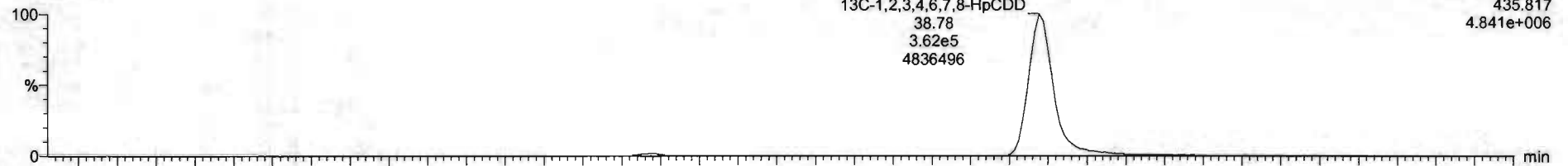


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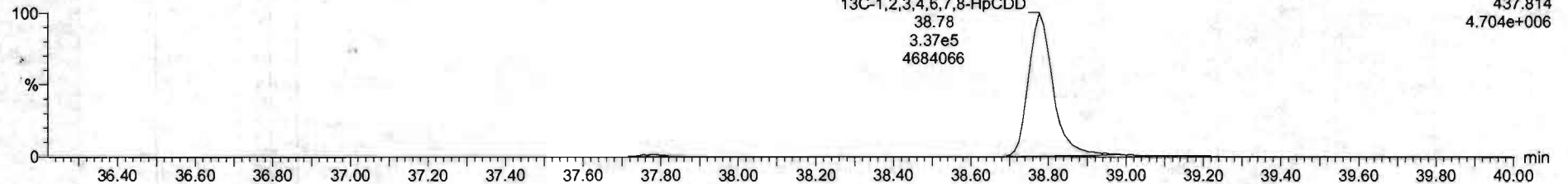


13C-1,2,3,4,6,7,8-HpCDD

200528R2_4



200528R2_4



#	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	0.8926	1.000	36.21	1.000	203	101	0.118	203
10	1,2,3,4,7,8-PeCDF	3.06e6	1.54	NO	0.9349	1.000	31.21	1.000	204	102	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e6	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.221	208
12	1,2,3,6,7,8-HxCDF	2.16e6	1.10	NO	0.8062	1.000	34.12	1.001	208	103	0.203	208
13	1,2,3,4,7,8,9-HxCDF	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.42	1.001	208	104	0.313	208
15	1,2,3,4,6,7,8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.39	1.000	213	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	38.32	1.000	214	107	0.227	214
17	CDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8-TCDF	1.56e6	0.79	NO	1.1563	1.000	26.54	1.025	103	103	0.164	
19	1,2,3,4,6,7,8-HpCDF	1.11e6	0.84	NO	0.8460	1.000	31.30	1.216	104	103	0.139	
20	1,2,3,4,7,8,9-HxCDF	7.98e6	1.28	NO	0.7790	1.000	34.86	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDD	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.131	



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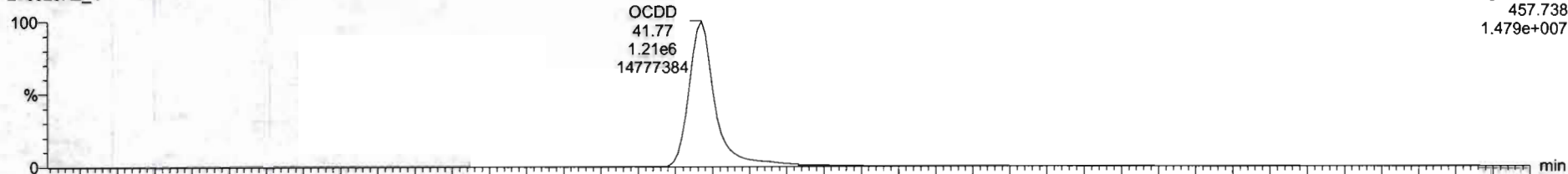
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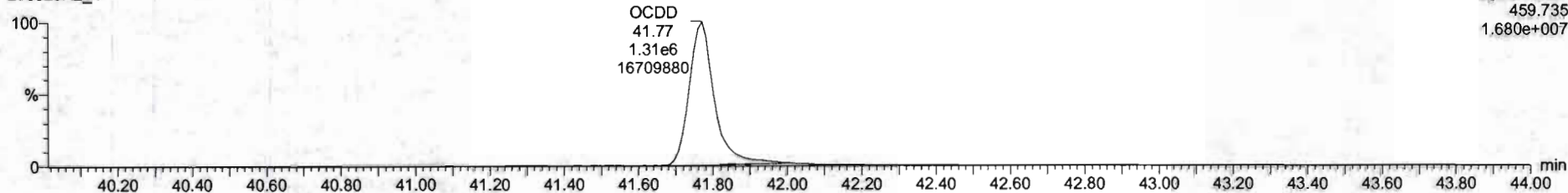
OCDD

200528R2_4



F5: Voltage SIR, EI+
457.738
1.479e+007

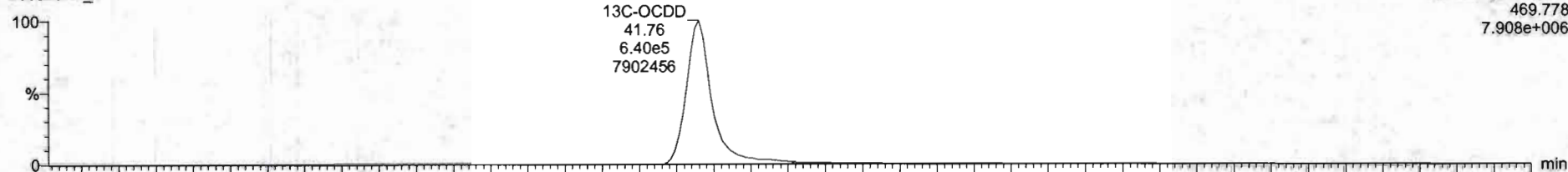
200528R2_4



F5: Voltage SIR, EI+
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1.680e+007

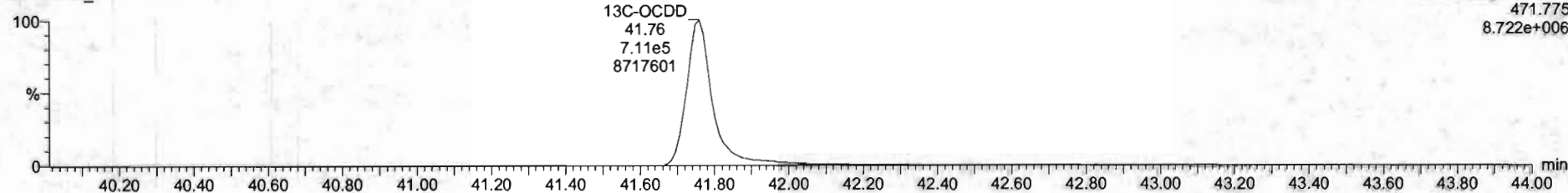
13C-OCDD

200528R2_4



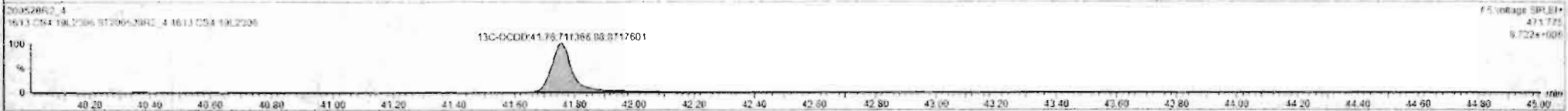
F5: Voltage SIR, EI+
469.778
7.908e+006

200528R2_4



F5: Voltage SIR, EI+
471.775
8.722e+006

Peak	Name	Resp	RA	inj	RRF	wt/vol	RT	NRT	Conc.	%Rec	DL	SIPC
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	0.83	NO	0.9051	1.000	31.01	1.000	205	102	0.6837	205
3	1.2.3.4.7.8-HxCD	1.07e6	1.23	NO	1.0334	1.000	34.80	1.001	284	102	0.115	284
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8923	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.70e6	1.20	NO	0.8669	1.000	35.26	1.000	210	105	0.133	210
6	1.2.3.4.7.8.9-HpCDD	1.25e6	1.02	NO	0.8839	1.000	36.90	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	38.23	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	0.84	NO	0.8490	1.000	31.60	1.216	103	103	0.136	
20	13C-1.2.3.4.7.8-HxCDD	7.88e5	1.28	NO	0.7790	1.000	34.96	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	



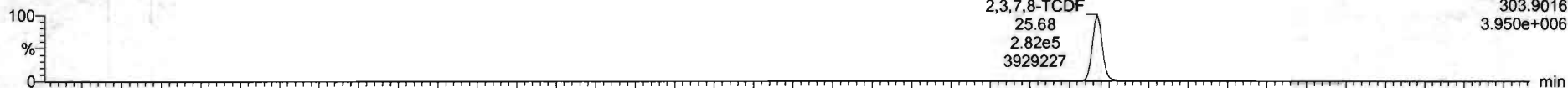
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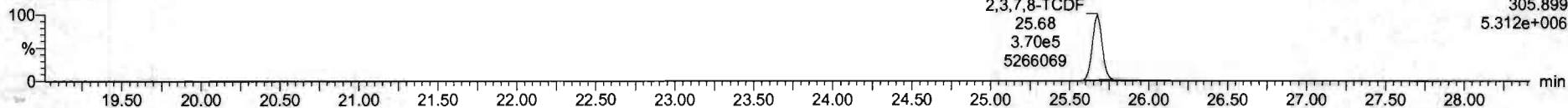
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2,3,7,8-TCDF

200528R2_4

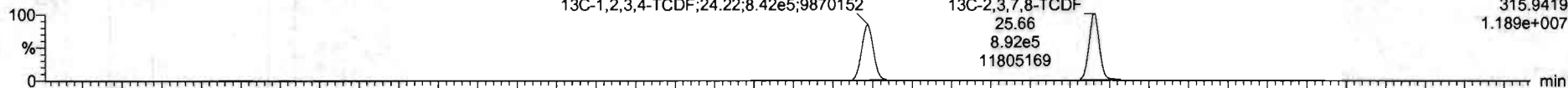


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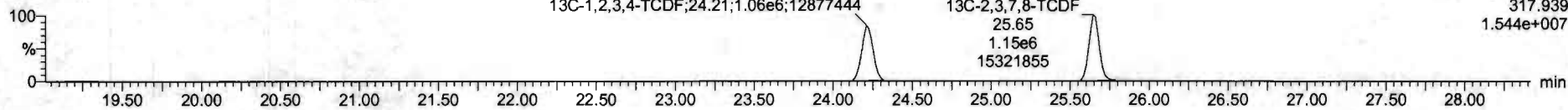


13C-2,3,7,8-TCDF

200528R2_4

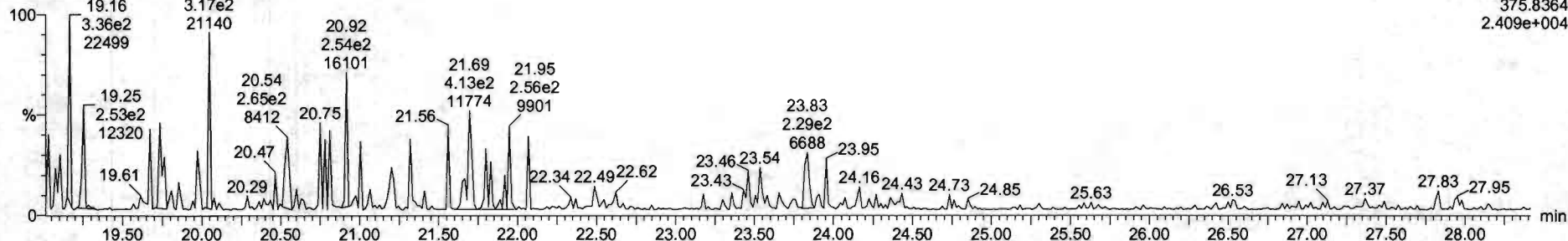


200528R2_4



DPE1

200528R2_4

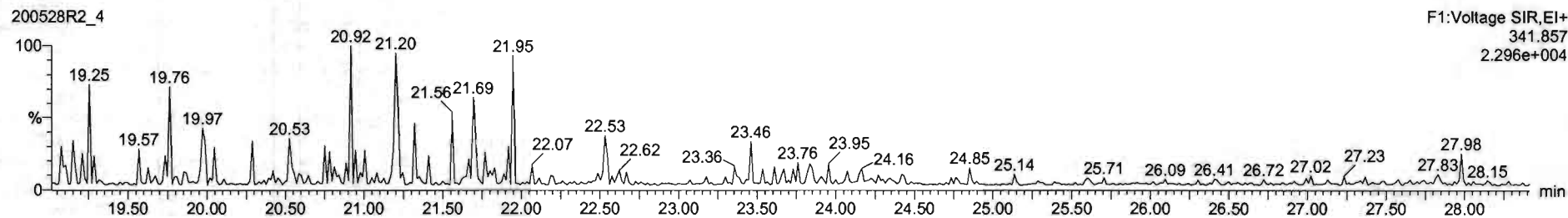
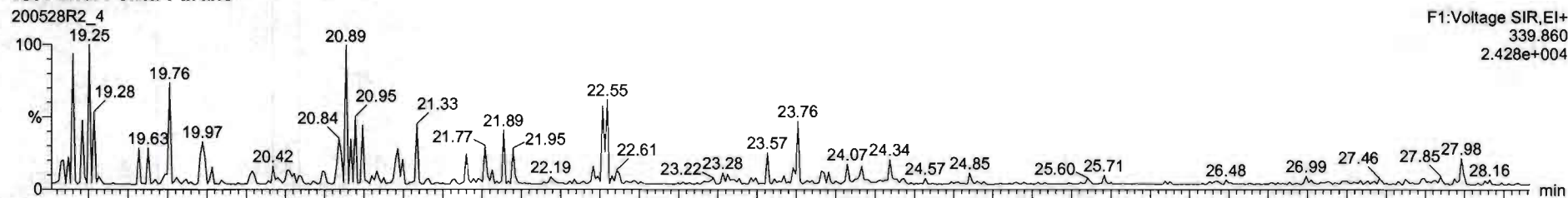


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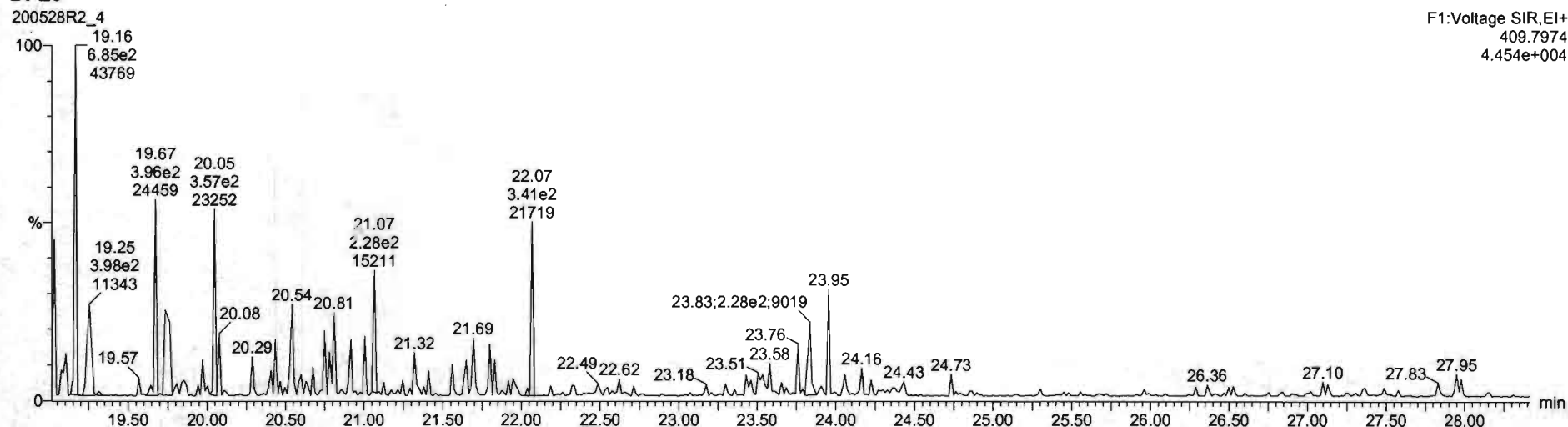
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

1st Func. Penta-Furans



DPE6



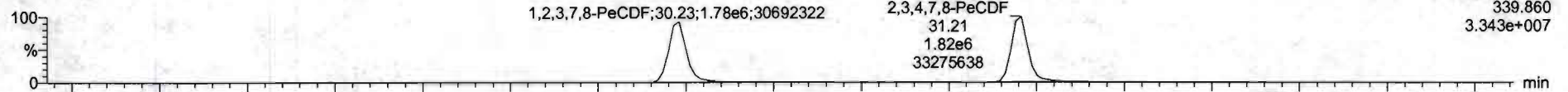
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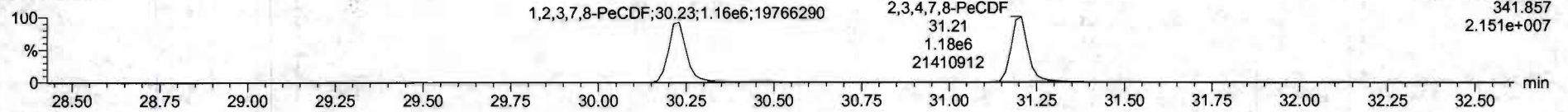
1,2,3,7,8-PeCDF

200528R2_4



F2:Voltage SIR,EI+
339.860
3.343e+007

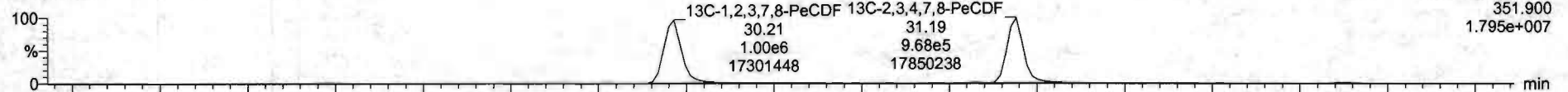
200528R2_4



F2:Voltage SIR,EI+
341.857
2.151e+007

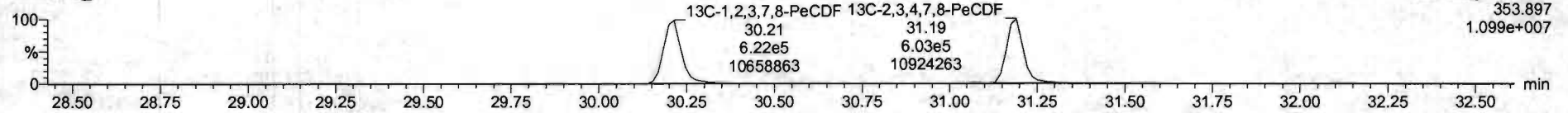
¹³C-1,2,3,7,8-PeCDF

200528R2_4



F2:Voltage SIR,EI+
351.900
1.795e+007

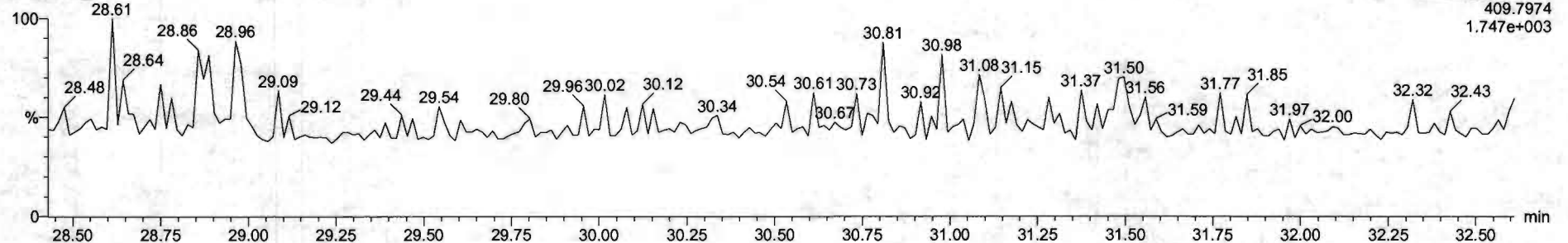
200528R2_4



F2:Voltage SIR,EI+
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1.099e+007

DPE2

200528R2_4



F2:Voltage SIR,EI+
409.7974
1.747e+003

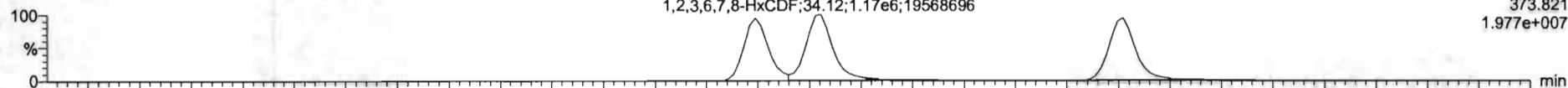
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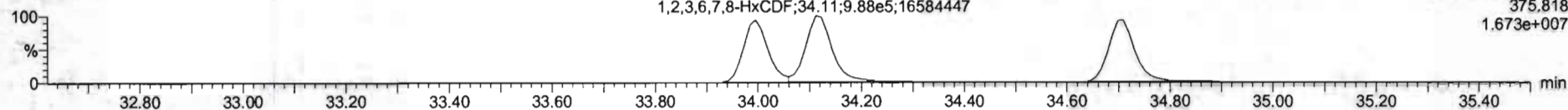
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1,2,3,4,7,8-HxCDF

200528R2_4

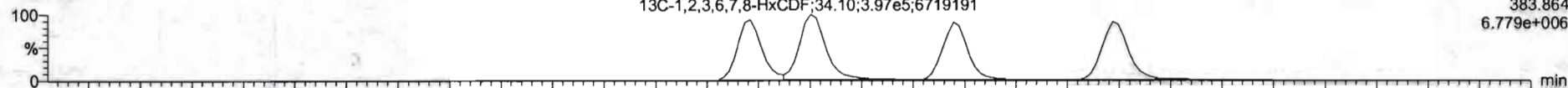


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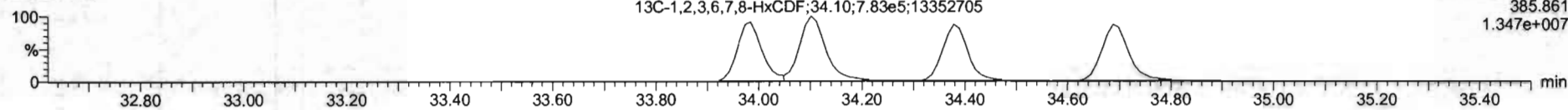


13C-1,2,3,4,7,8-HxCDF

200528R2_4

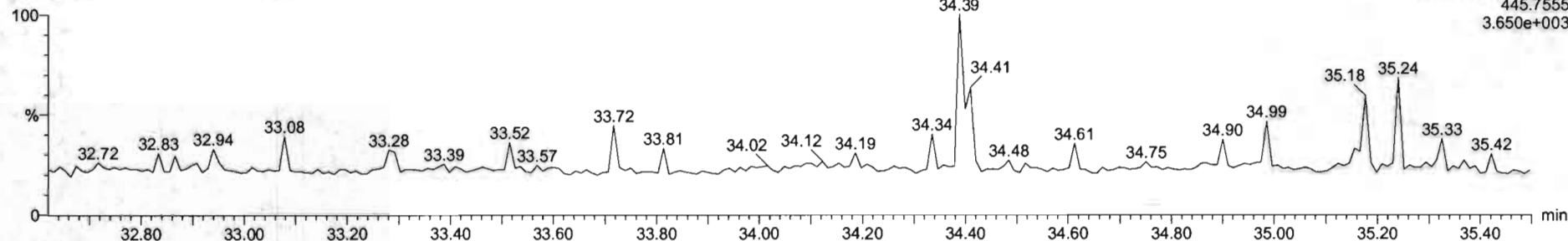


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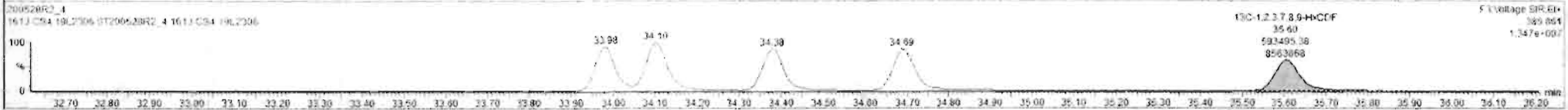
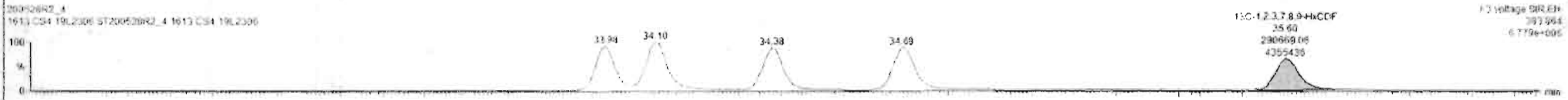
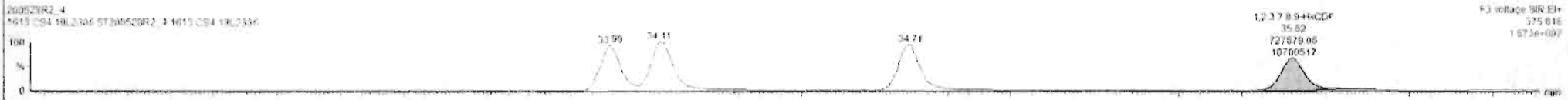


DPE3

200528R2_4



#	Name	Resp	RA	ntf	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	IRFC
1	1.2.3.7.8-1-CDD	3.56e5	0.78	NO	0.2883	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	1.87e6	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	1.008	240	105	0.133	210
6	1.2.3.4.7.8-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.86	1.000	211	106	0.128	211
7	CDD	2.45e6	0.57	NO	0.9136	1.000	41.27	1.000	397	99.4	0.182	307
8	1.2.3.7.8-1-CDF	6.52e5	0.76	NO	0.7510	1.000	25.68	1.001	42.6	107	0.123	42.6
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	30.23	1.000	283	101	0.118	283
10	1.2.3.4.7.8-HxCDF	3.06e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.199	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.95	1.000	268	104	0.221	268
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.8892	1.000	34.12	1.001	200	103	0.200	200
13	1.1.4.6.7.8-HxCDF	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	102	0.219	207
14	1.2.3.7.8.9-HxCDF	1.80e6	1.28	NO	0.8787	1.000	35.62	1.001	290	104	0.313	288
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	CDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	403	100	0.178	402
18	13C-1.2.3.7.8-1-CDD	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	0.8468	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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20052BR2_4

CAP NUM

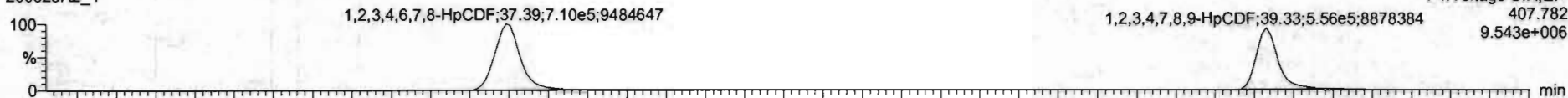
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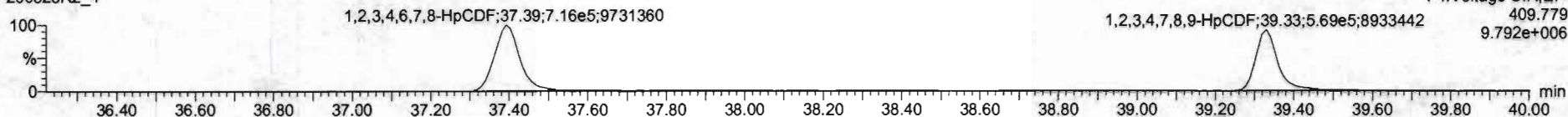
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1,2,3,4,6,7,8-HpCDF

200528R2_4

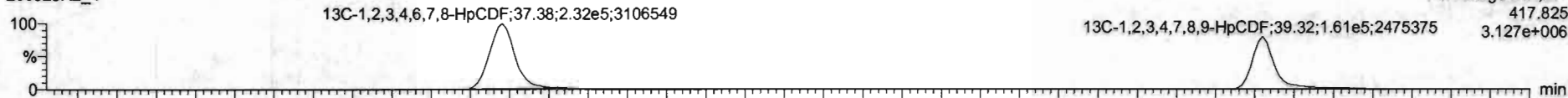


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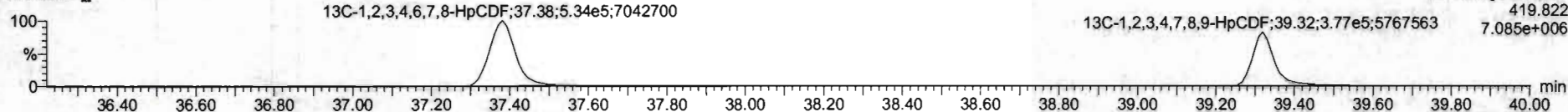


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200528R2_4

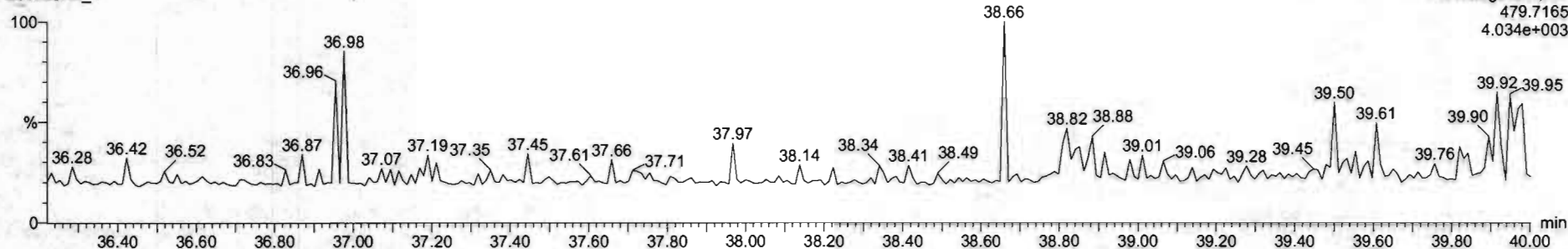


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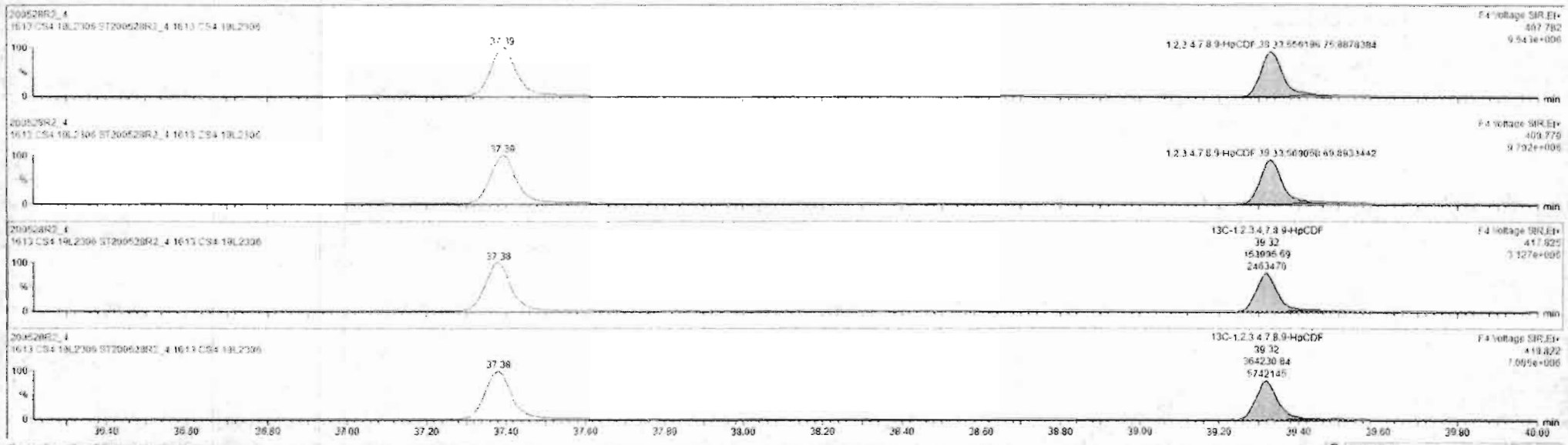


DPE4

200528R2_4



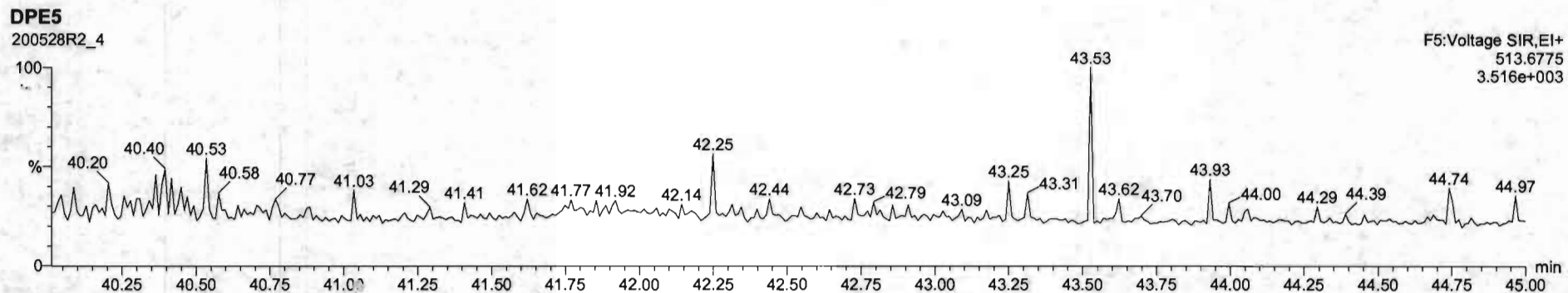
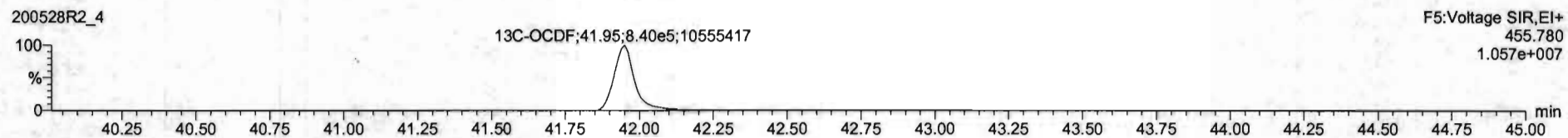
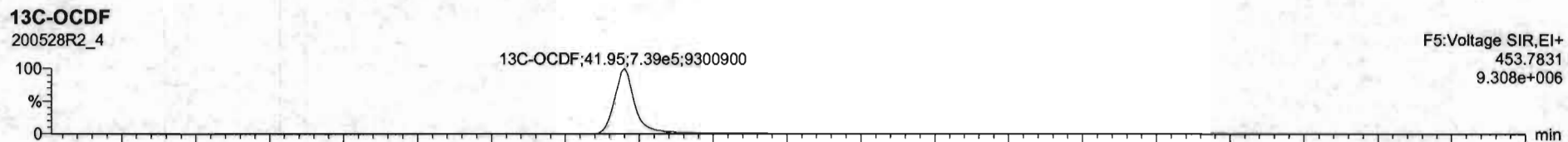
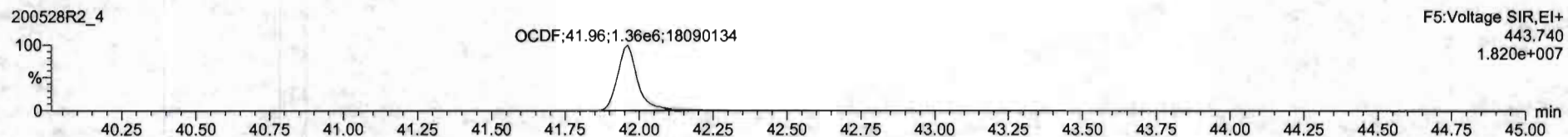
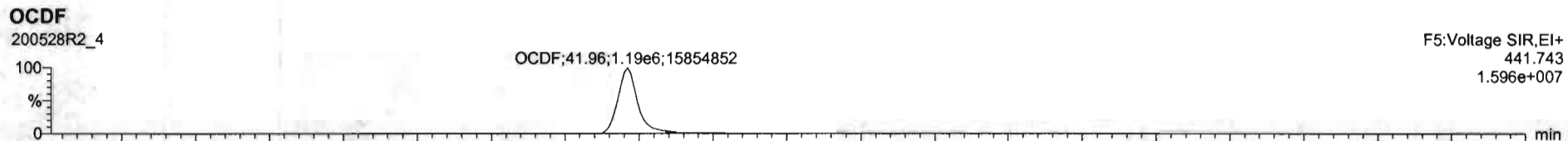
#	Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.56e5	0.78	NO	0.8583	1.000	26.56	1.001	41.3	103	0.134	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.63	NO	0.9081	1.000	31.51	1.000	205	102	0.9837	205
3	1,2,3,4,7,8-HxCDD	1.87e6	1.23	NO	1.0334	1.000	34.86	1.001	204	102	0.115	204
4	1,2,3,8,7,8-HxCDD	1.82e6	1.22	NO	0.8521	1.000	34.90	1.001	200	104	0.111	200
5	1,2,3,7,9,8-HxCDD	1.70e6	1.20	NO	0.8965	1.000	35.26	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HxCDD	1.25e6	1.02	NO	0.8633	1.000	36.90	1.000	211	105	0.219	211
7	OCDD	2.45e8	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.190	397
8	2,3,7,8-TCDF	6.52e5	0.76	NO	0.7510	1.000	25.66	1.001	42.6	107	0.123	42.2
9	1,2,3,7,9-PeCDF	2.54e6	1.54	NO	0.8925	1.000	30.23	1.000	203	101	0.110	203
10	1,2,3,4,7,8-HxCDF	3.00e6	1.54	NO	0.9345	1.000	31.21	1.000	204	107	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.99	1.000	203	104	0.221	206
12	1,2,3,6,7,8-HxCDF	2.16e6	1.18	NO	0.8867	1.000	34.12	1.001	206	103	0.203	206
13	2,3,4,6,7,8-HxCDF	2.06e6	1.19	NO	0.9341	1.000	34.71	1.001	207	107	0.219	207
14	1,2,3,7,9,8-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.62	1.001	208	104	0.213	208
15	1,2,3,4,6,7,8-HxCDF	1.43e6	0.95	NO	0.8734	1.000	37.35	1.000	215	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.15e6	0.60	NO	1.0128	1.000	39.33	1.000	214	107	5.327	214
17	OCDF	2.54e8	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	13C-2,3,7,8-TCDD	1.54e6	0.75	NO	1.1563	1.000	26.54	1.025	107	103	0.164	
19	13C-1,2,3,7,8-PeCDD	1.11e6	0.64	NO	0.8469	1.000	31.50	1.216	103	103	0.138	
20	13C-1,2,3,4,7,8-HxCDD	7.89e5	1.26	NO	0.7790	1.000	34.96	1.014	103	103	0.132	
21	13C-1,2,3,6,7,8-HxCDD	1.02e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.121	



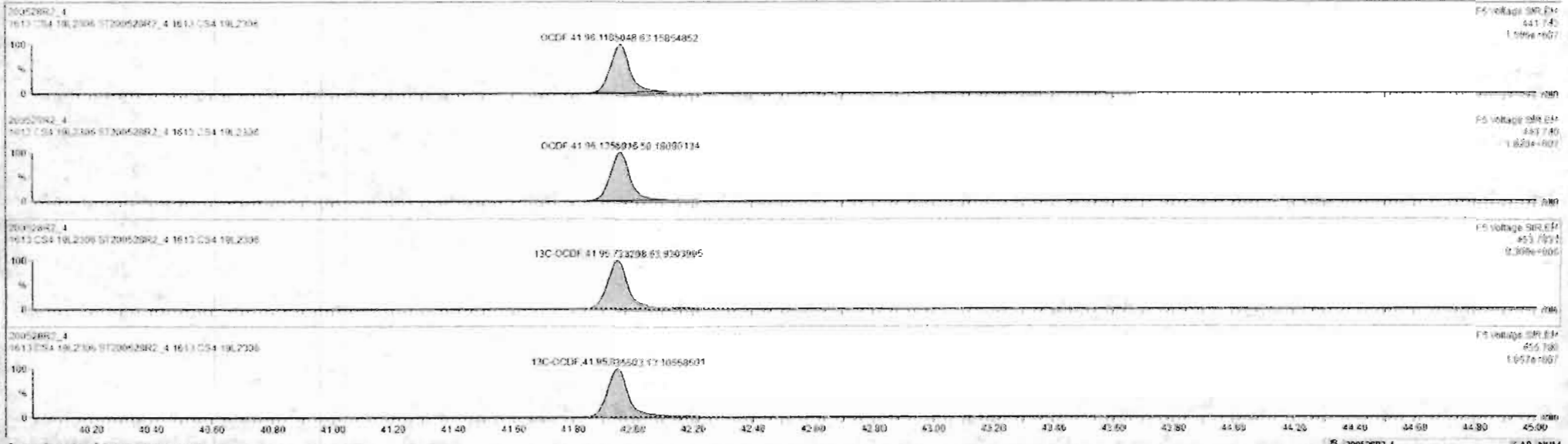
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



#	Name	Resp	RA	ntf	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2.3.1.6-TCDD	5.50e5	0.78	NO	0.8863	1.000	26.56	1.001	41.2	101	0.124	41.2
2	1.2.3.7.5-PeCDD	2.06e6	0.83	NO	0.9081	1.000	31.51	1.000	205	102	0.0827	205
3	1.2.3.4.7.8-HxCDD	1.07e6	1.23	NO	1.0334	1.000	34.85	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDF	1.92e6	1.22	NO	0.9521	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.76e6	1.20	NO	0.9265	1.000	35.26	1.000	210	105	0.123	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.9633	1.000	36.40	1.000	211	105	0.218	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.102	397
8	2.3.7.6-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	36.21	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	2.00e6	1.54	NO	0.9349	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.8945	1.000	32.99	1.000	208	104	0.221	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8852	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	0.8496	1.000	31.50	1.216	103	103	0.130	
20	1.2.3.1.2.3.4.7.8-HpCDD	7.89e6	1.20	NO	0.7790	1.000	34.96	1.214	103	103	0.172	
21	1.2.3.1.2.3.6.7.8-HpCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



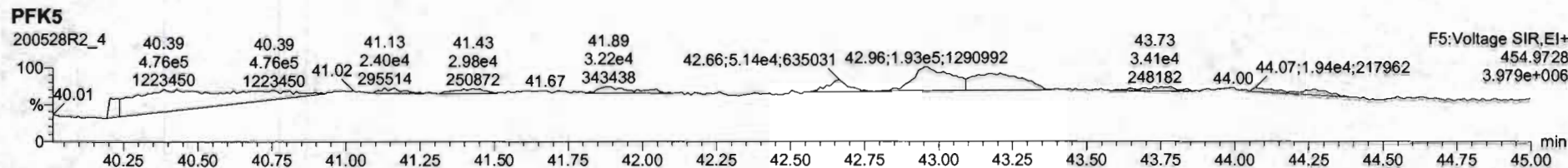
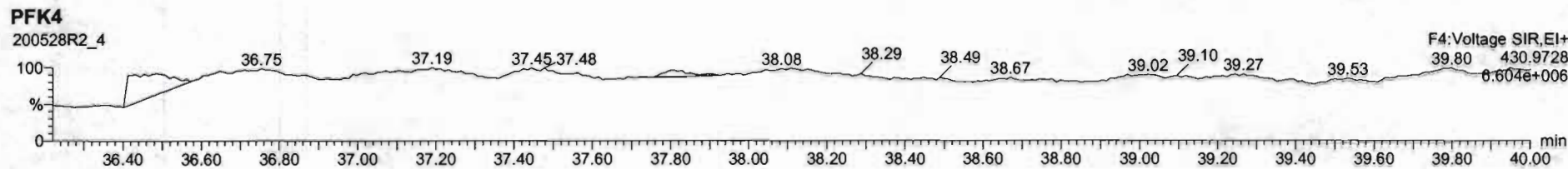
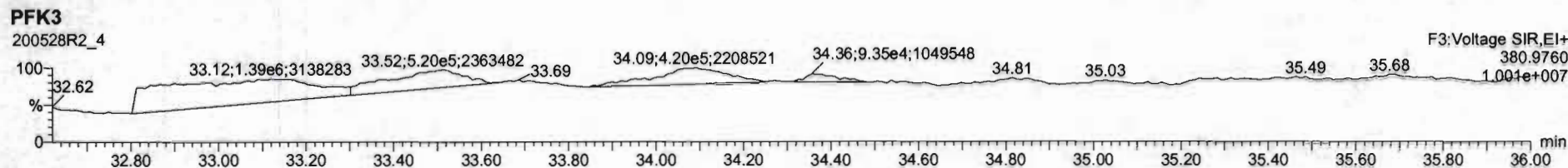
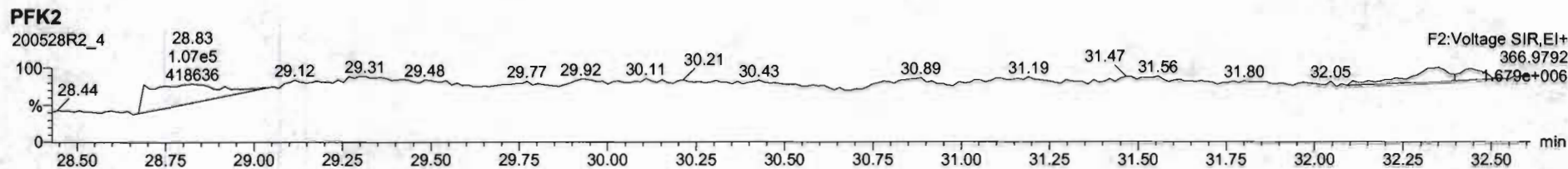
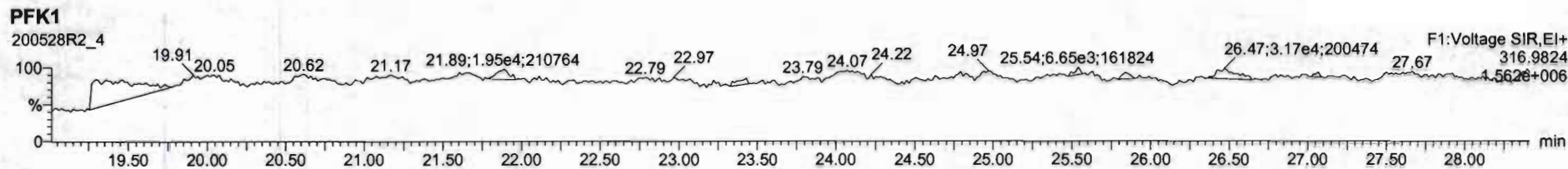
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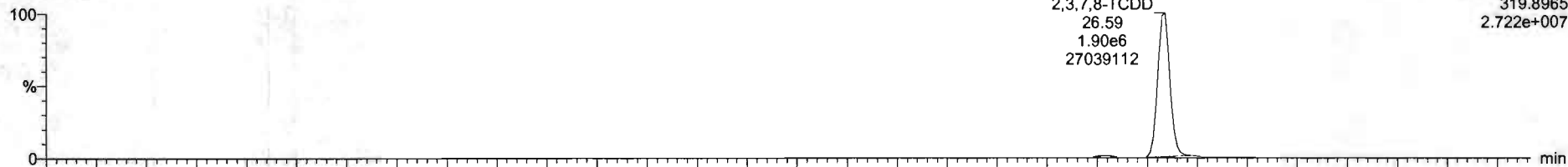
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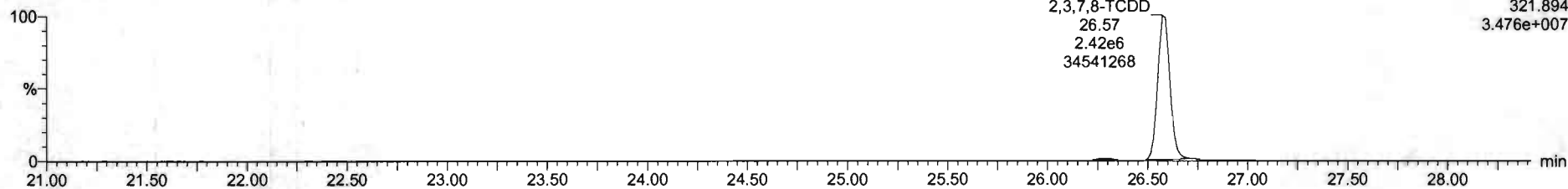
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2,3,7,8-TCDD

200528R2_5

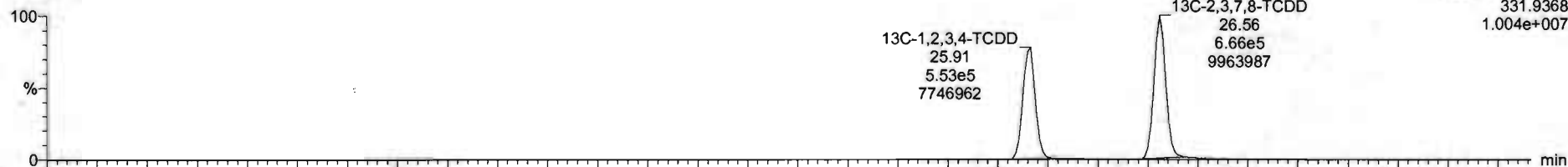


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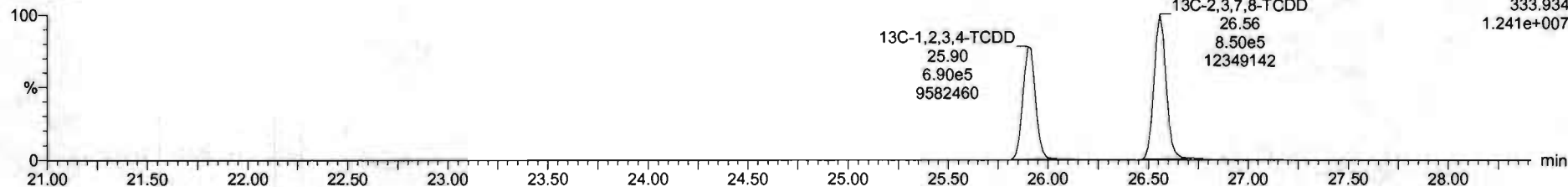


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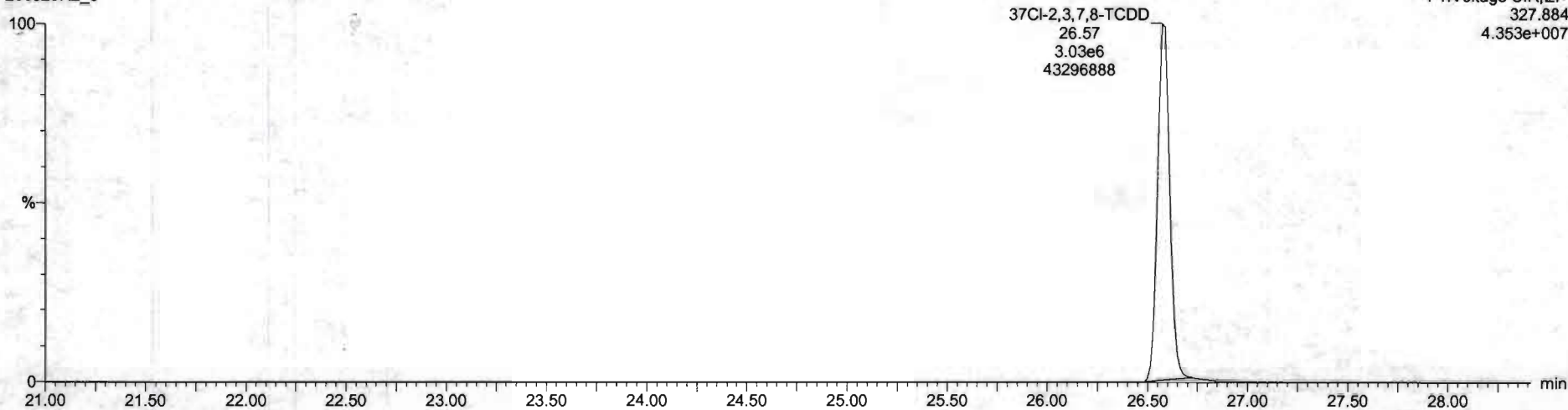
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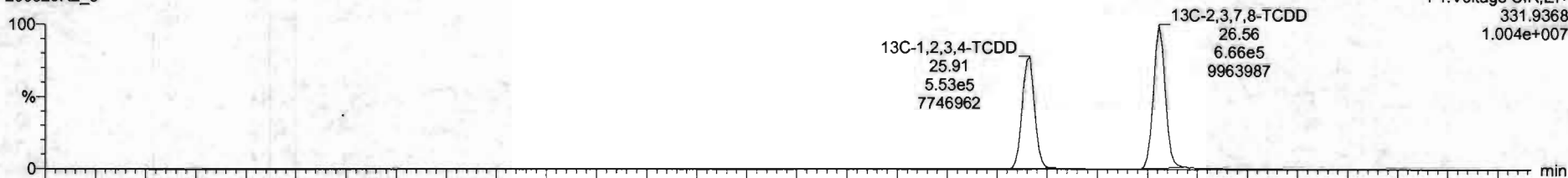
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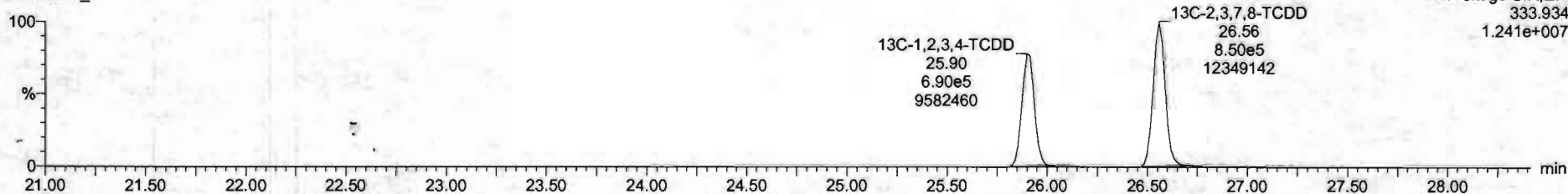


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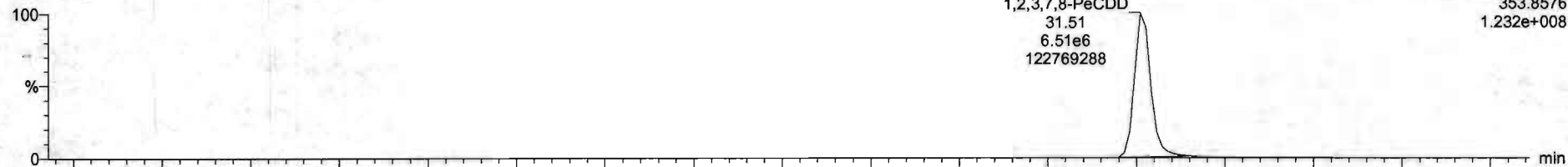
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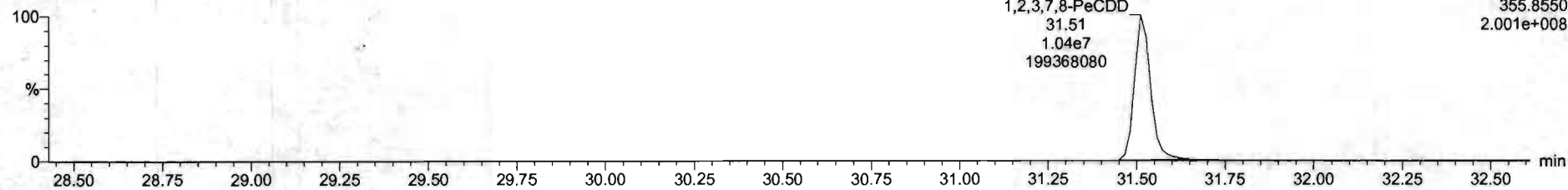
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1,2,3,7,8-PeCDD

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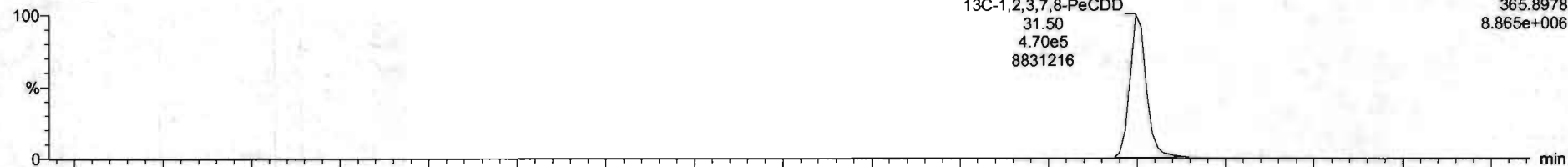


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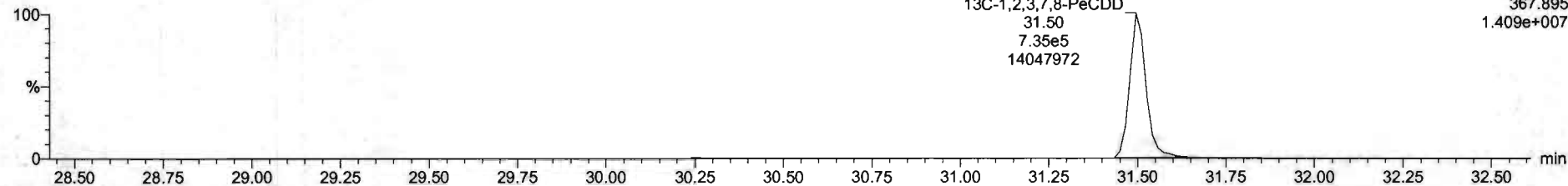


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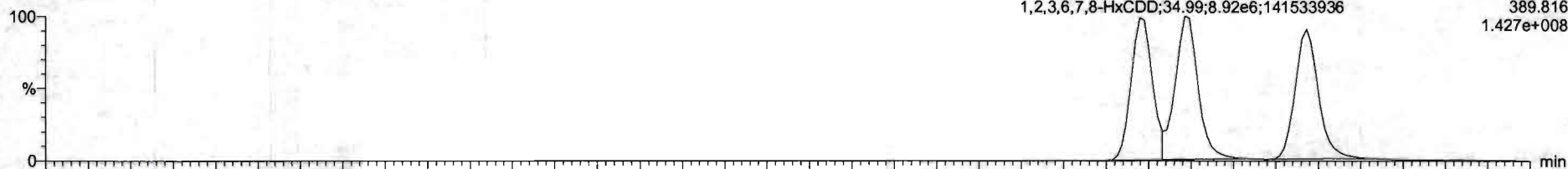
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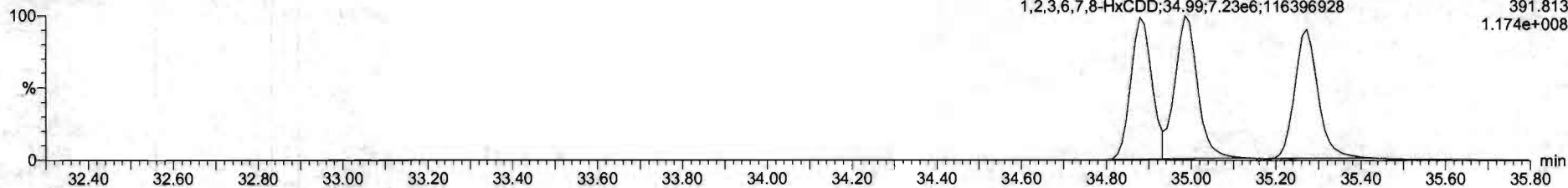
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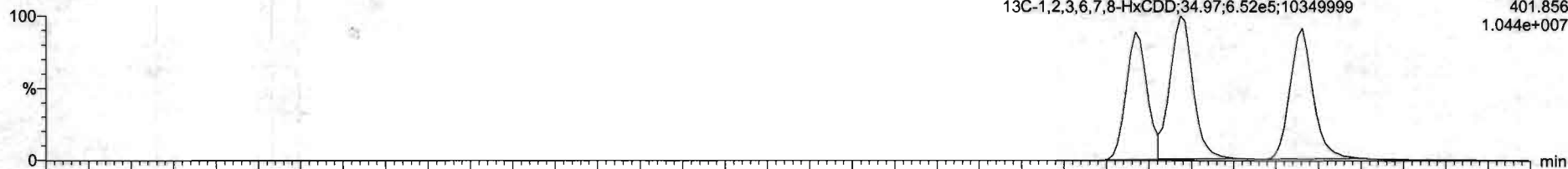


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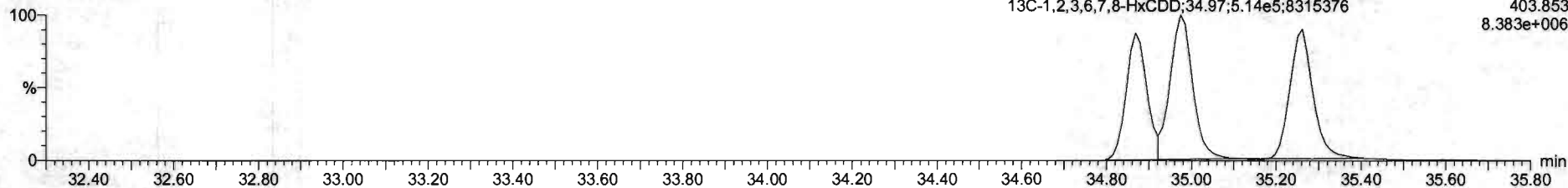


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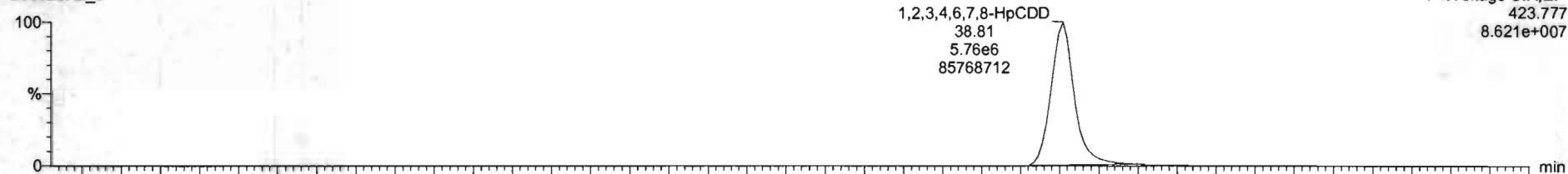
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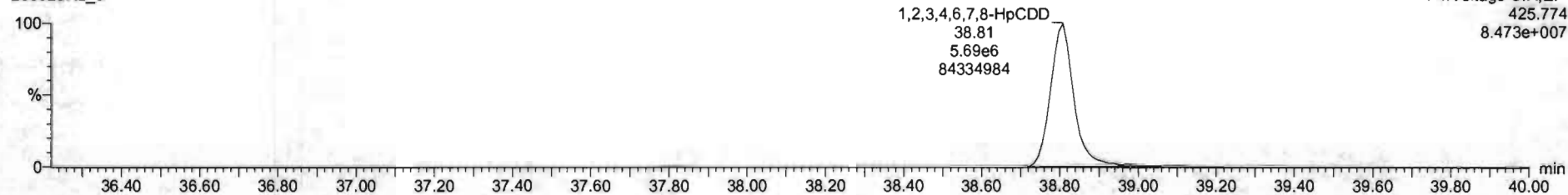
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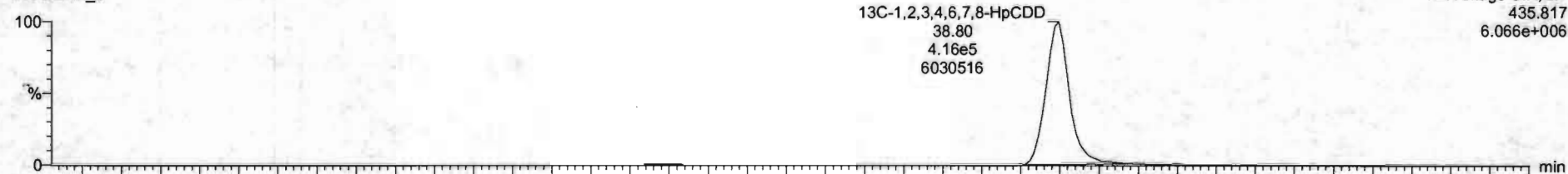


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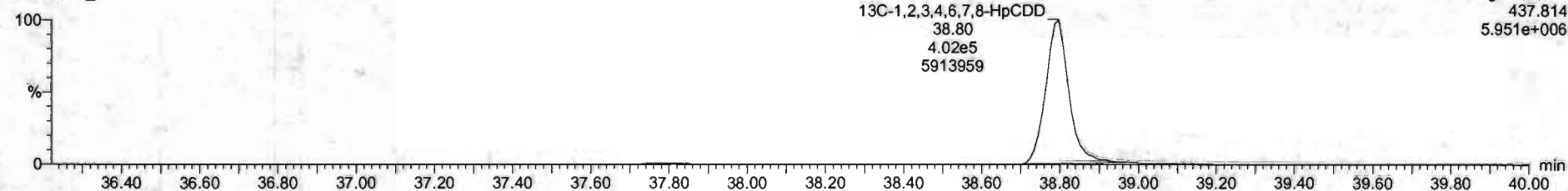


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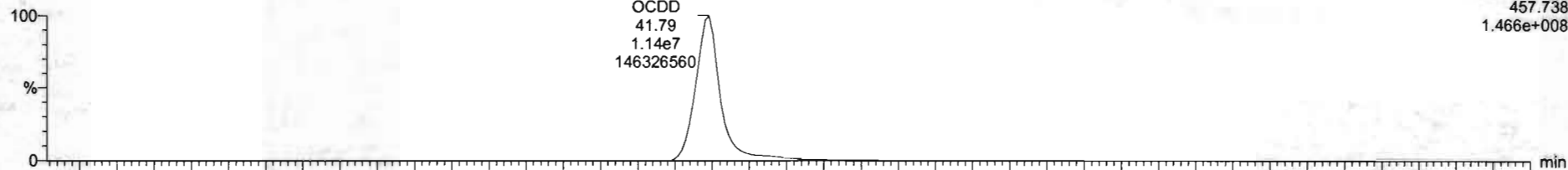
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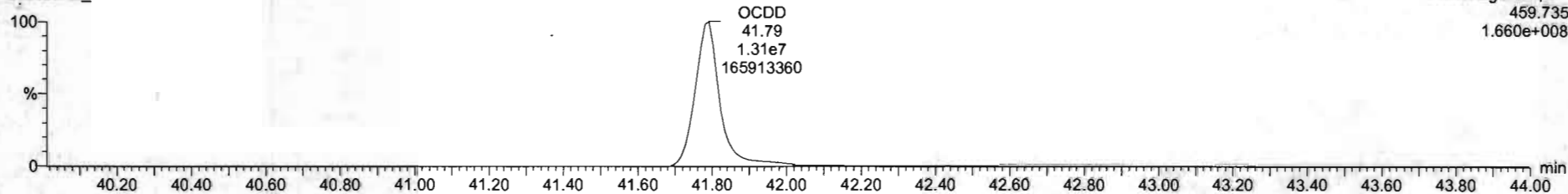
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OCDD

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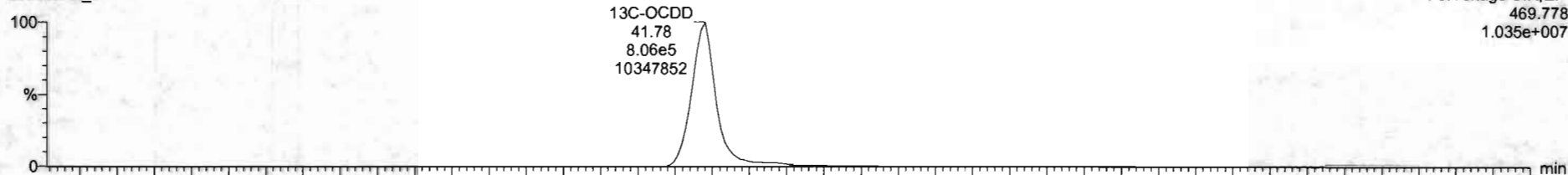


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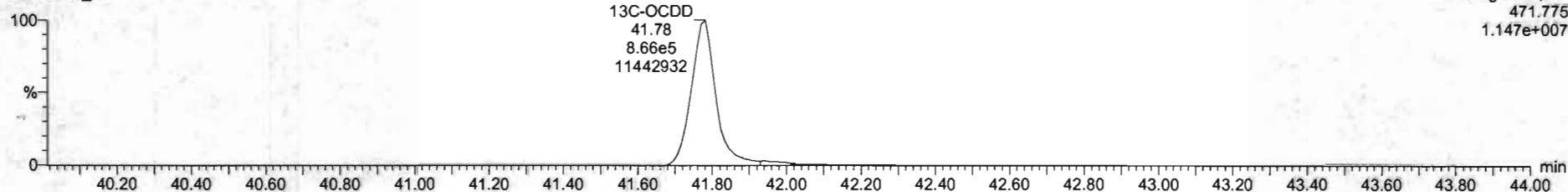


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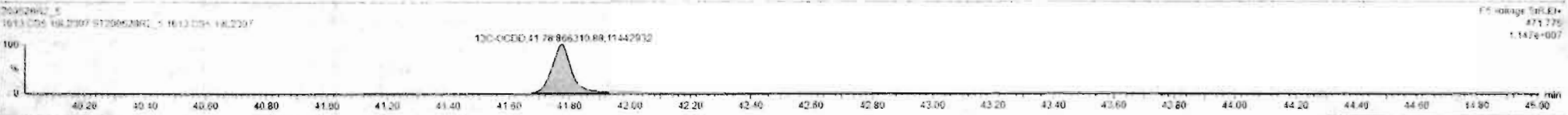
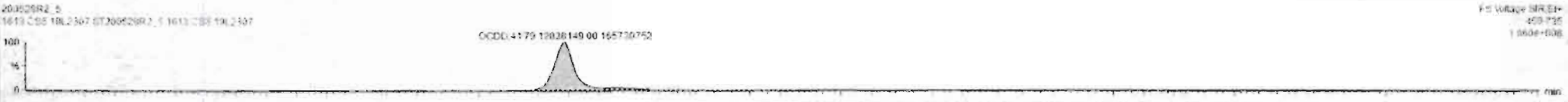
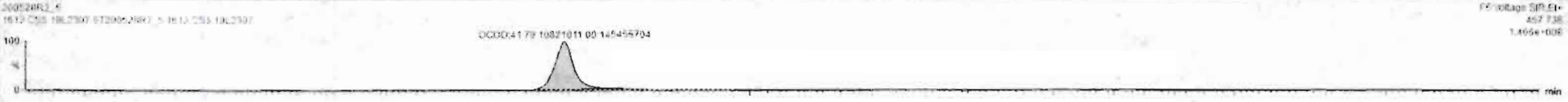
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200528R2_5



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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-HuCD0	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-HuCD0	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-HuCD0	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-HuCD0	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-PeCDF	2.38e7	1.14	NO	0.8925	1.000	40.23	1.000	1570	101	0.231	1570
10	2.3.4.7.8-PeCDF	0.40e7	1.53	NO	0.9348	1.000	31.21	1.000	1550	101	0.213	1550
11	1.2.3.4.7.8-HuCDF	1.61e7	1.19	NO	0.8644	1.000	34.01	1.000	1590	106	0.103	1590
12	1.2.3.6.7.8-HuCDF	1.06e7	1.19	NO	0.8092	1.000	34.72	1.000	1530	101	0.0927	1530
13	2.3.4.6.7.8-HuCDF	1.72e7	1.19	NO	0.9341	1.000	34.72	1.001	1560	104	0.152	1560
14	1.2.3.7.8.9-HuCDF	1.49e7	1.26	NO	0.6707	1.000	35.83	1.000	1560	106	0.145	1560
15	1.2.3.4.6.7.8-HuCDF	1.28e7	1.09	NO	0.8734	1.000	37.40	1.000	1560	104	0.303	1560
16	1.2.3.4.7.8.9-HuCDF	1.05e7	1.00	NO	1.0172	1.000	38.34	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-PeCDD	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-PeCDD	6.34e5	1.28	NO	0.7750	1.000	34.97	1.014	110	110	0.191	110
21	13C-1.2.3.6.7.8-PeCDD	1.17e6	1.27	NO	1.0167	1.000	34.97	1.017	113	113	0.146	113



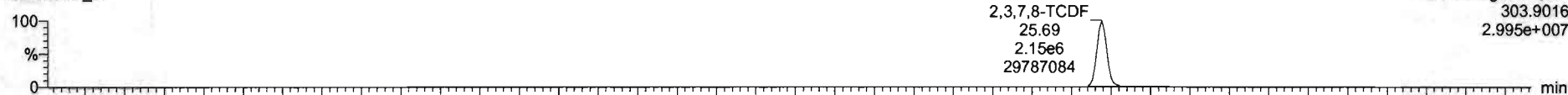
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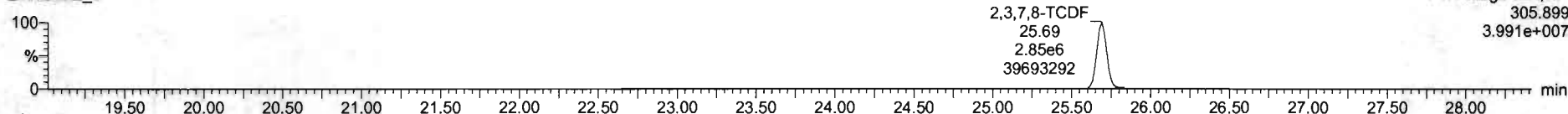
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2,3,7,8-TCDF

200528R2_5

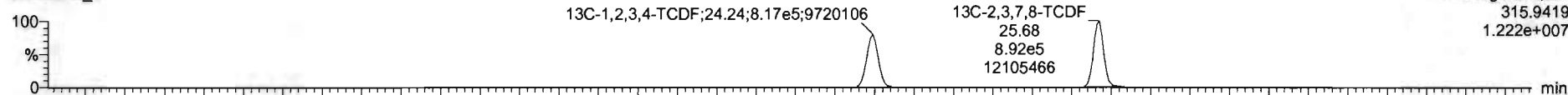


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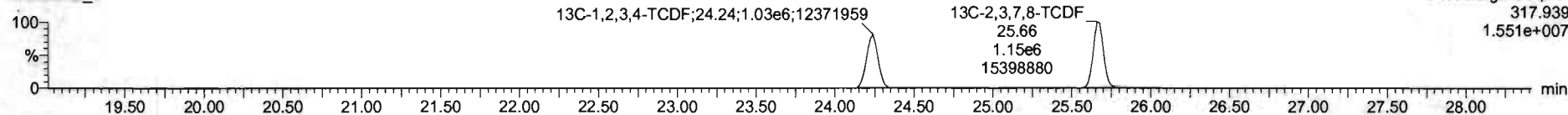


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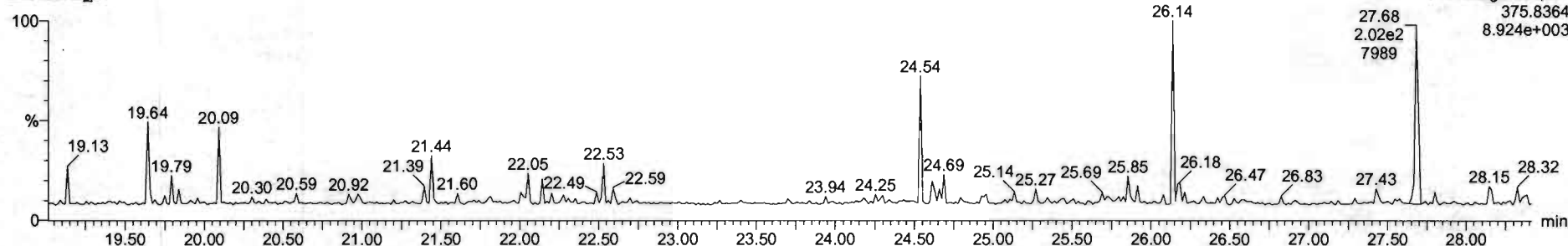


200528R2_5



DPE1

200528R2_5



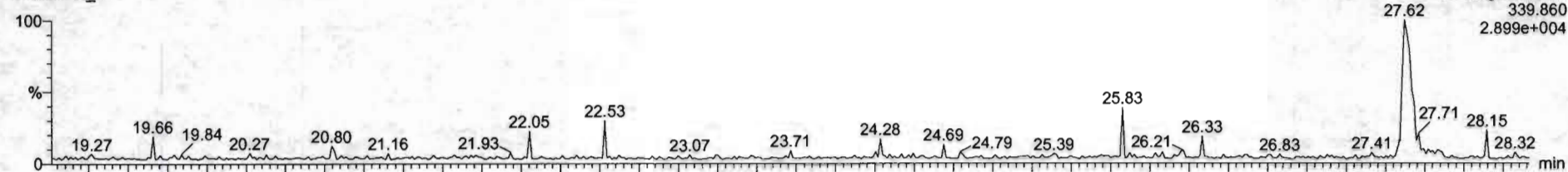
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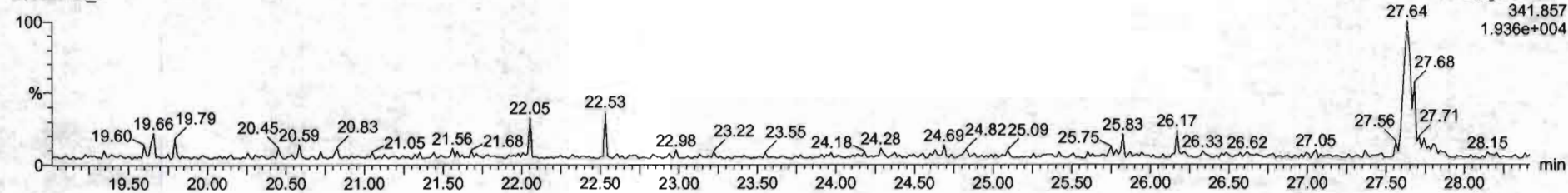
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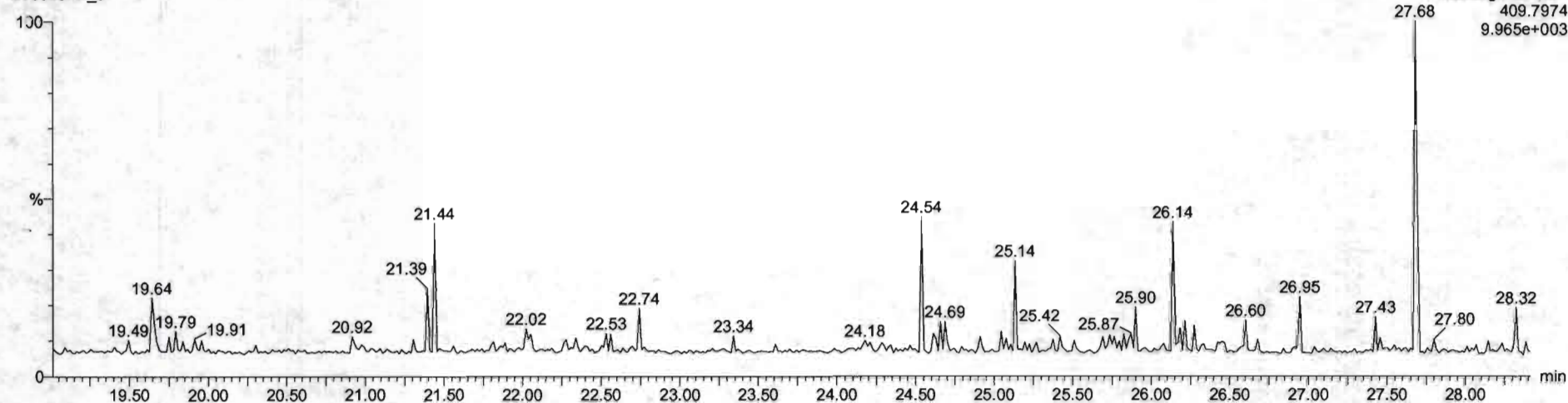


200528R2_5



DPE6

200528R2_5



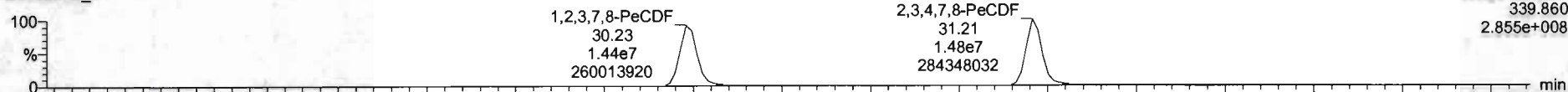
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

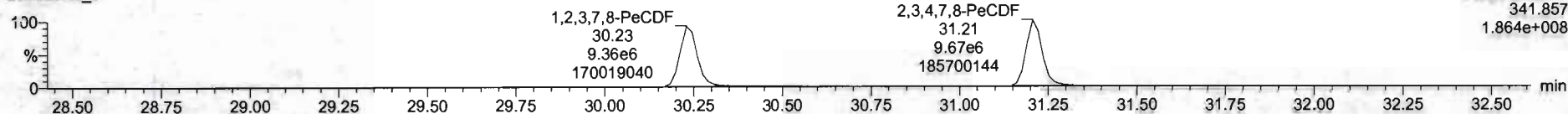
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1,2,3,7,8-PeCDF

200528R2_5

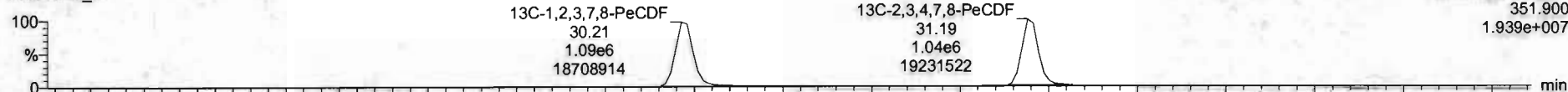


200528R2_5

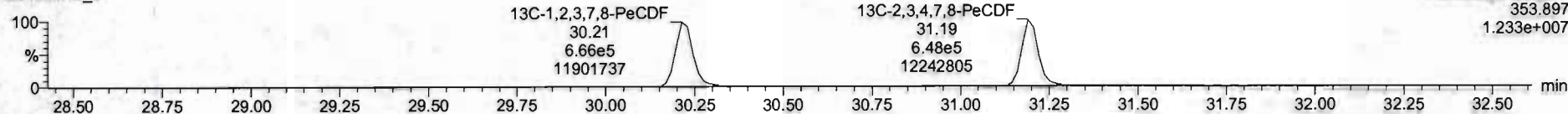


13C-1,2,3,7,8-PeCDF

200528R2_5

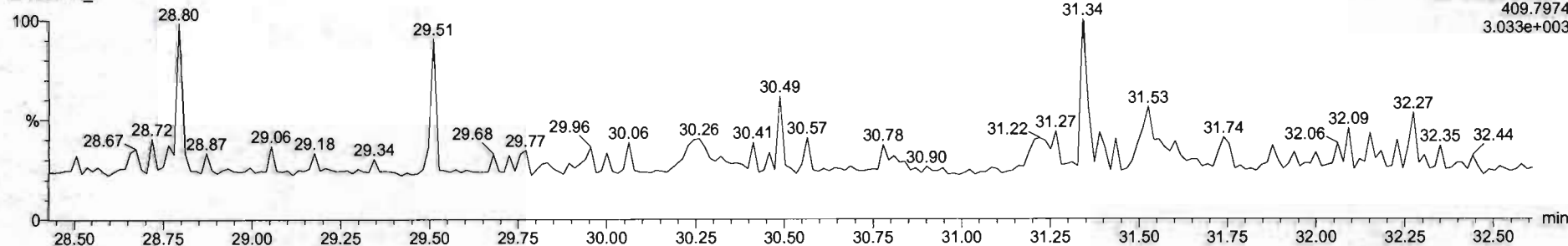


200528R2_5



DPE2

200528R2_5



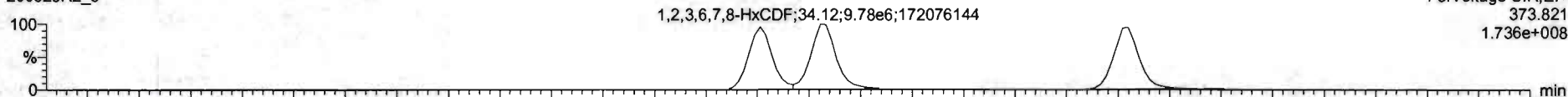
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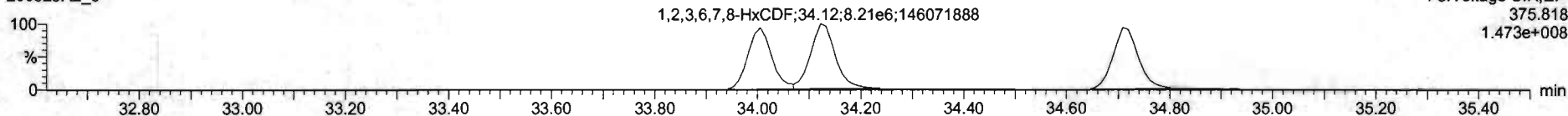
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1,2,3,4,7,8-HxCDF

200528R2_5

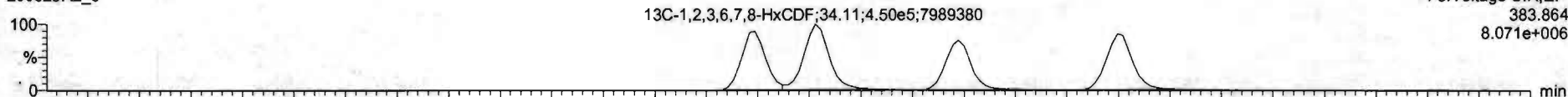


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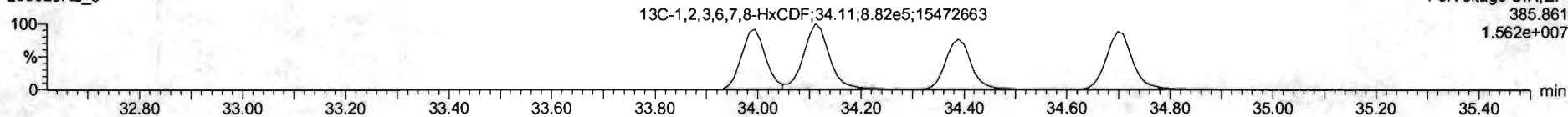


13C-1,2,3,4,7,8-HxCDF

200528R2_5

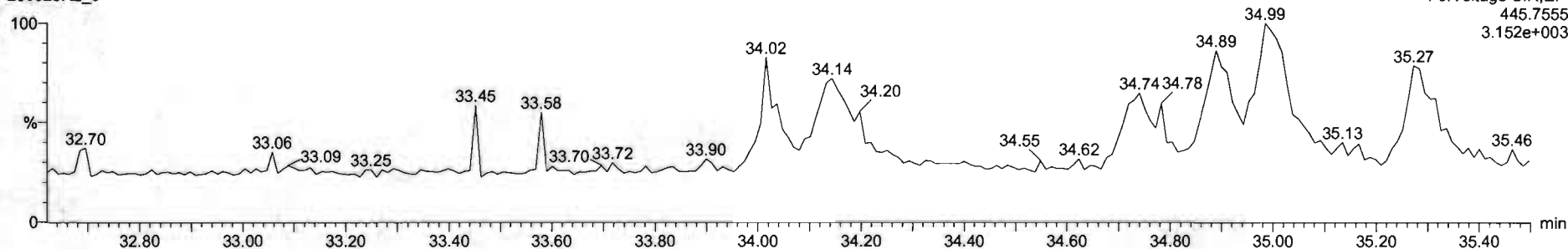


200528R2_5



DPE3

200528R2_5



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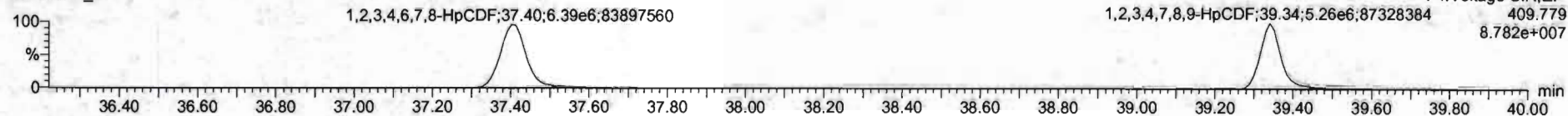
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1,2,3,4,6,7,8-HpCDF

200528R2_5

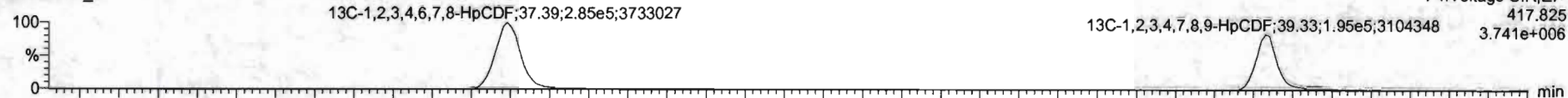


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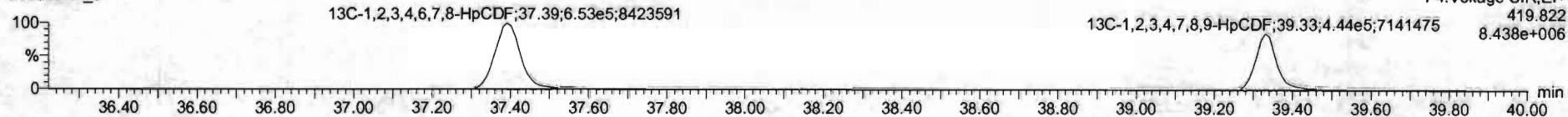


13C-1,2,3,4,6,7,8-HpCDF

200528R2_5

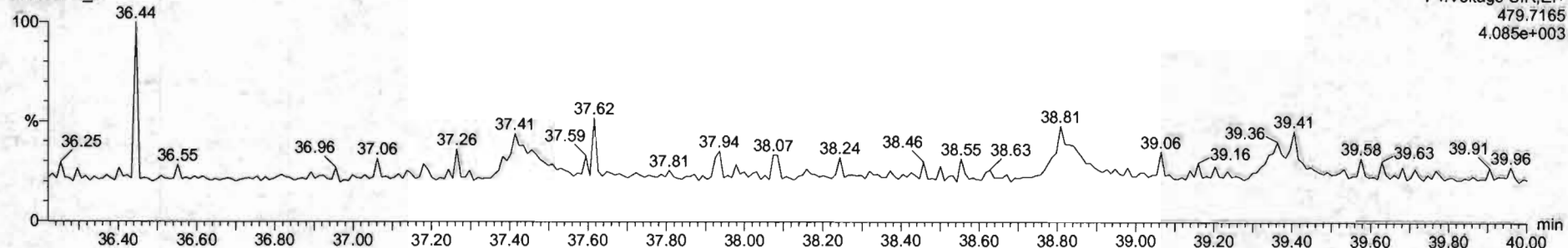


200528R2_5



DPE4

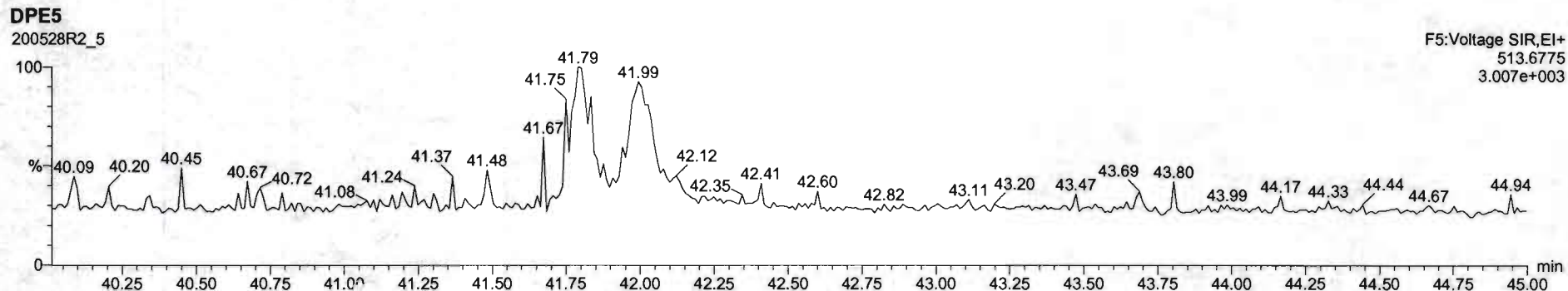
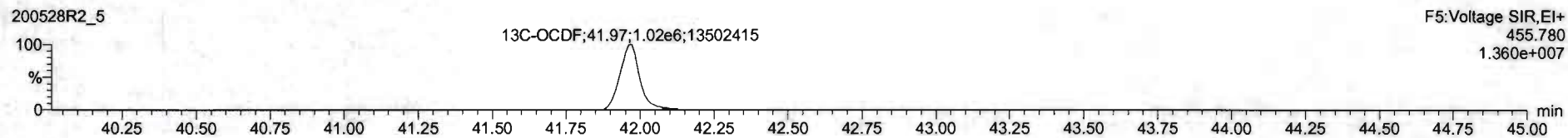
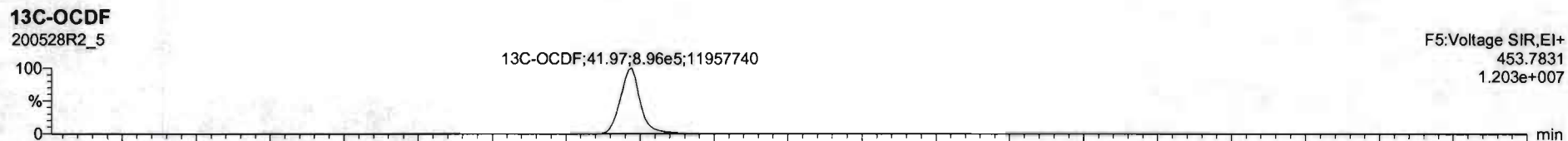
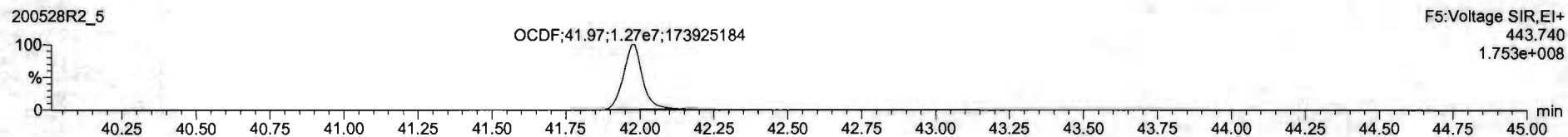
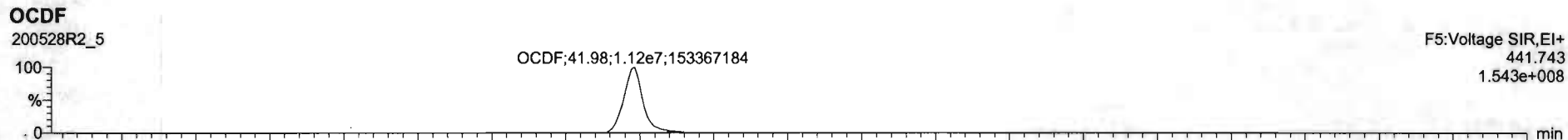
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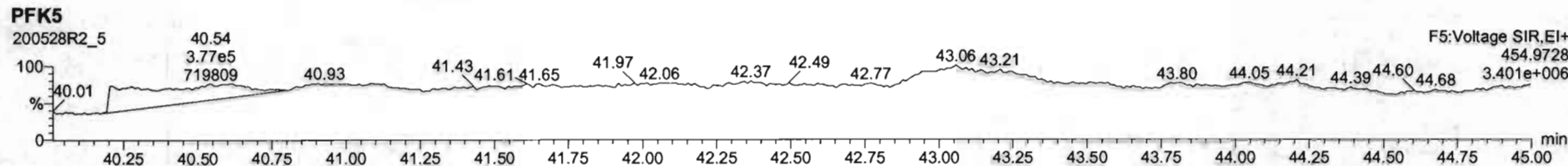
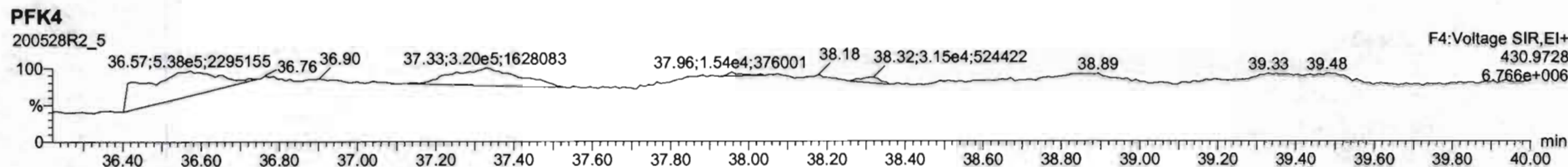
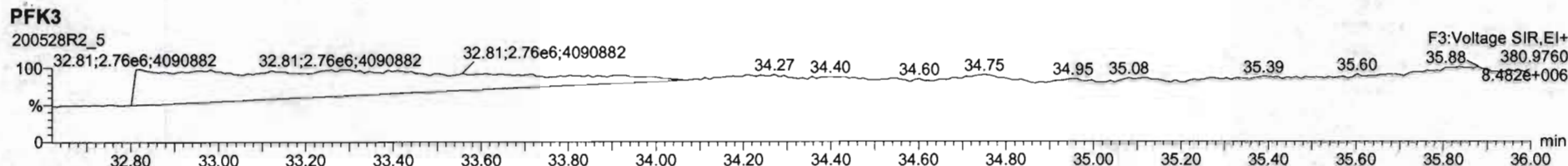
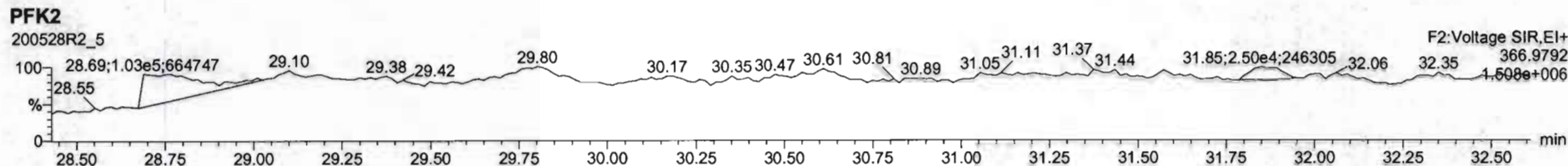
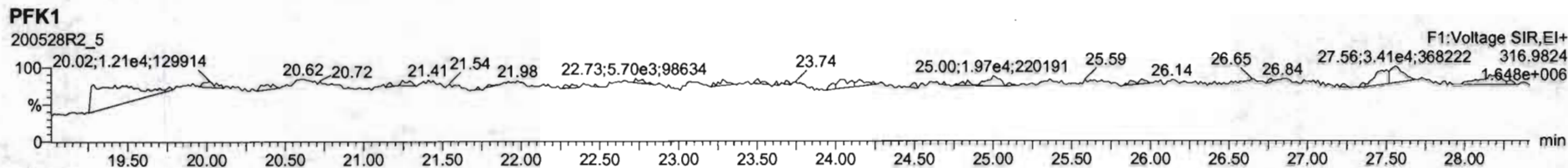
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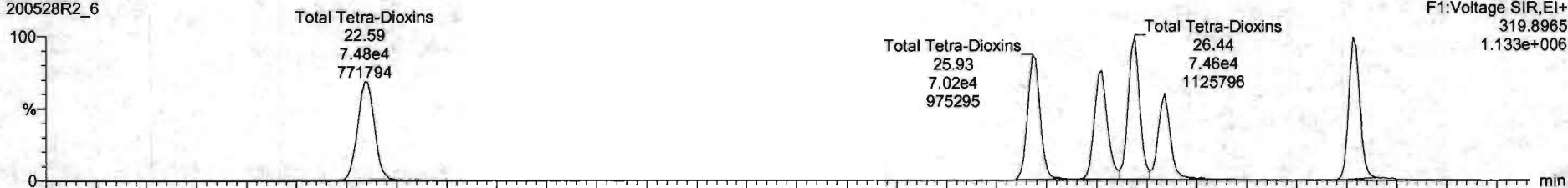
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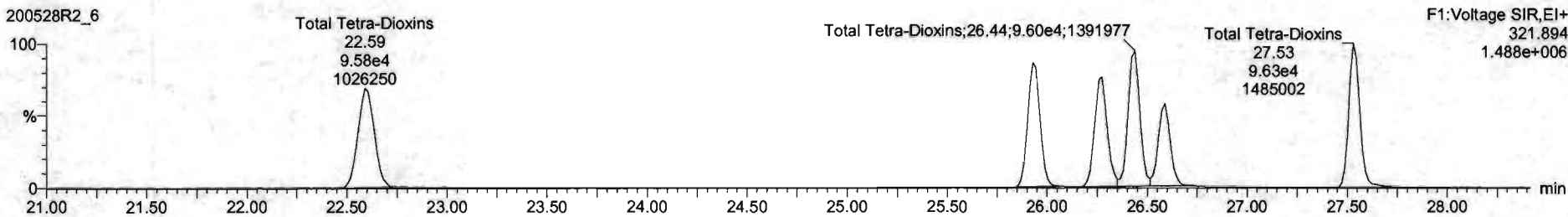
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2,3,7,8-TCDD

200528R2_6

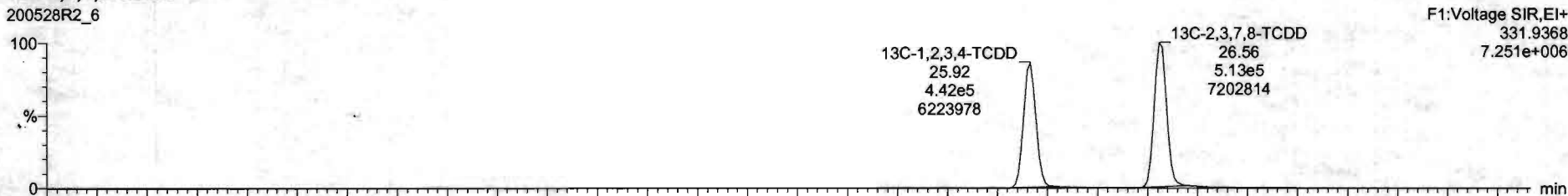


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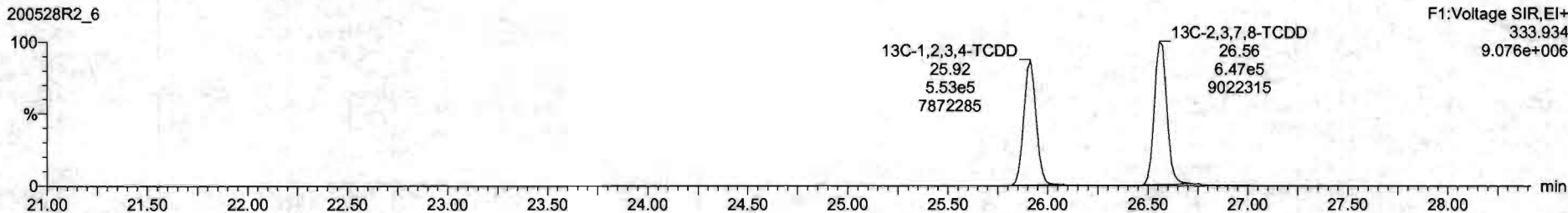


13C-2,3,7,8-TCDD

200528R2_6



200528R2_6



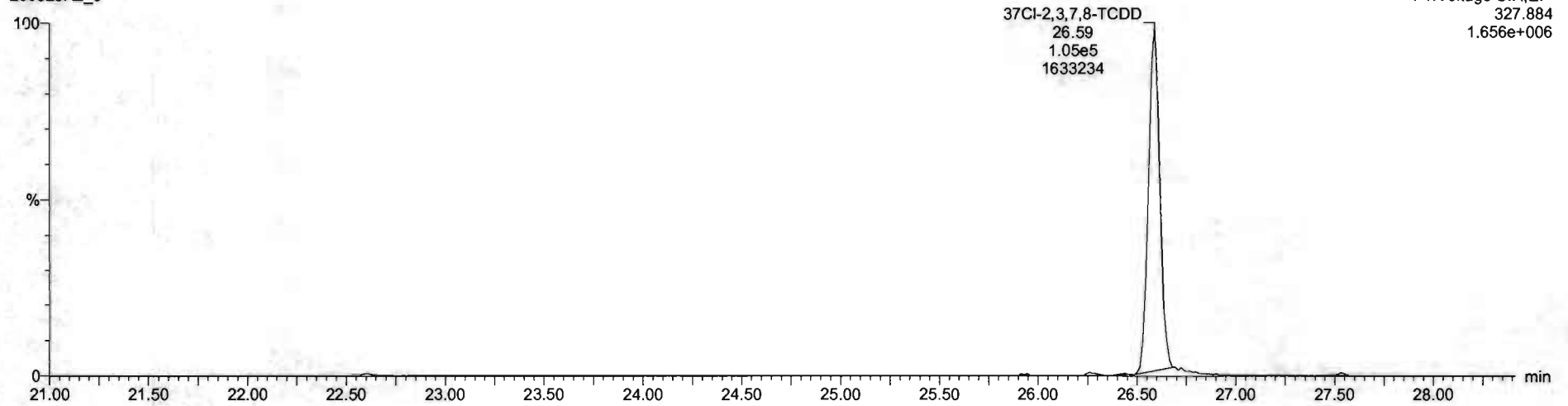
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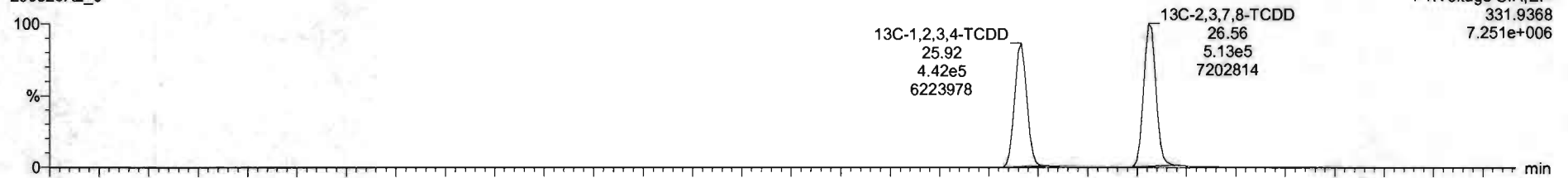
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200528R2_6

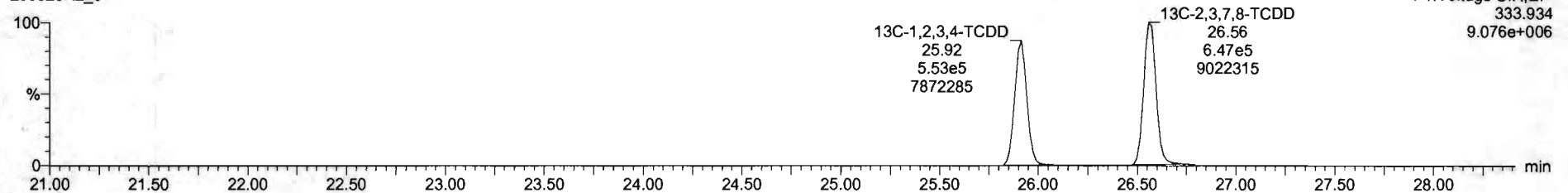


13C-1,2,3,4-TCDD

200528R2_6



200528R2_6



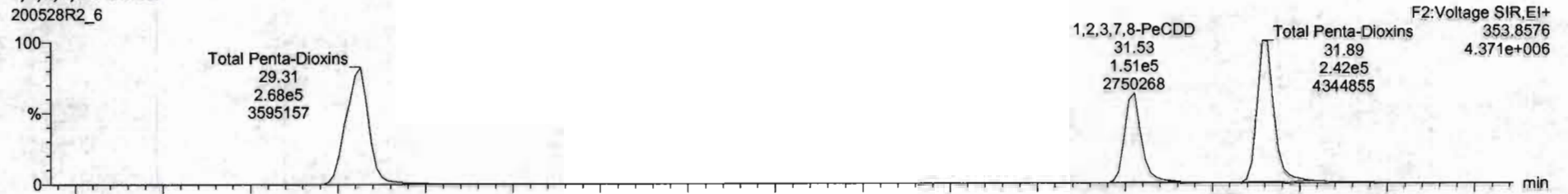
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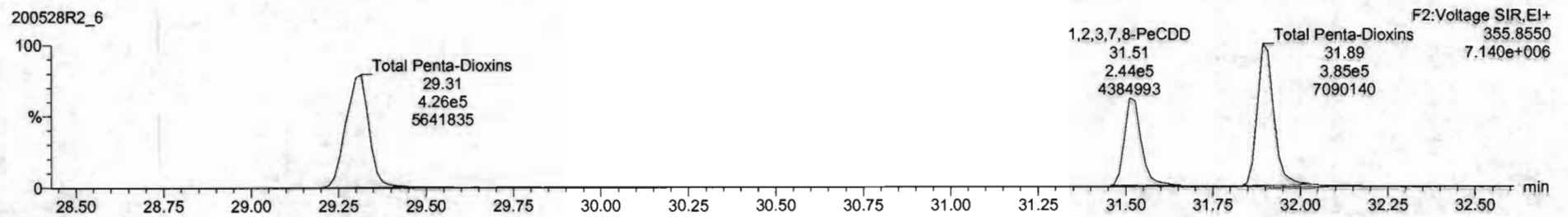
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1,2,3,7,8-PeCDD

200528R2_6

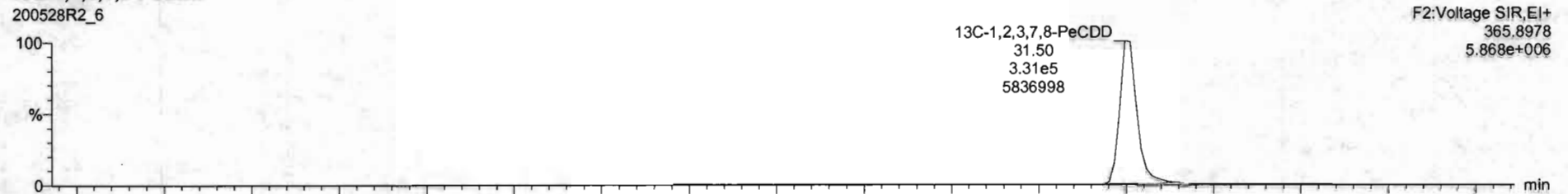


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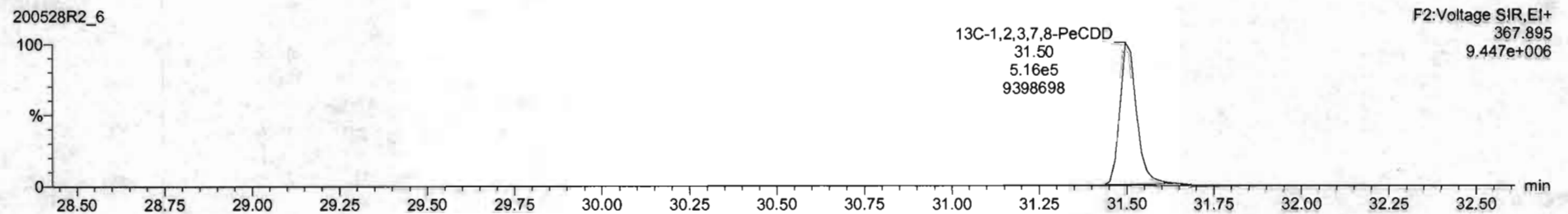


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200528R2_6



200528R2_6



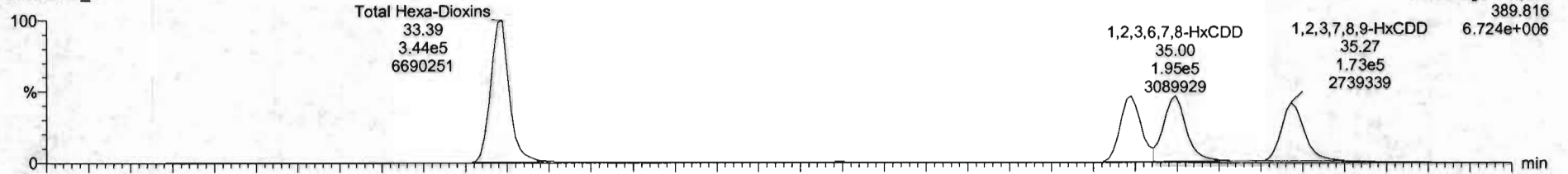
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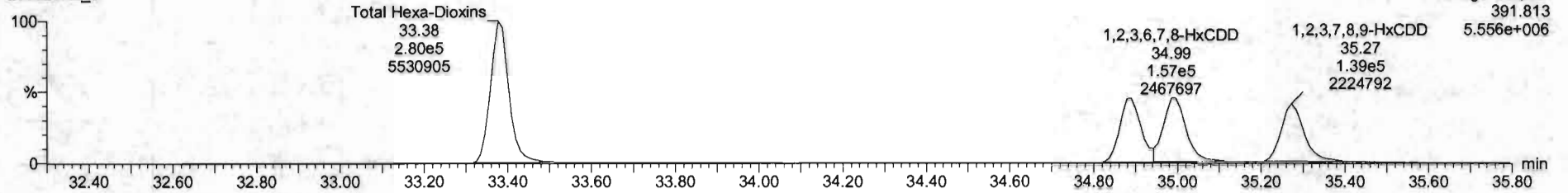
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1,2,3,4,7,8-HxCDD

200528R2_6

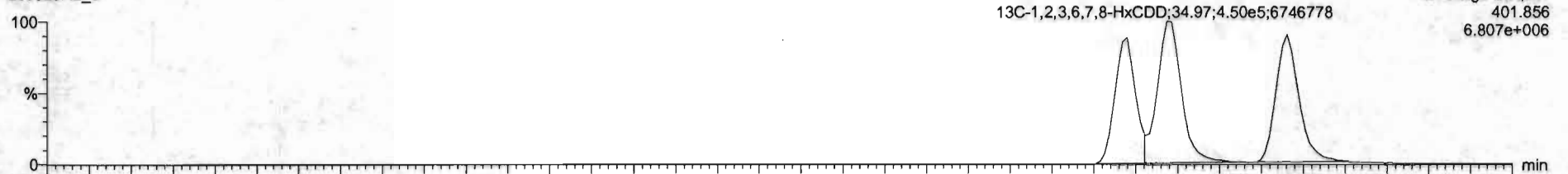


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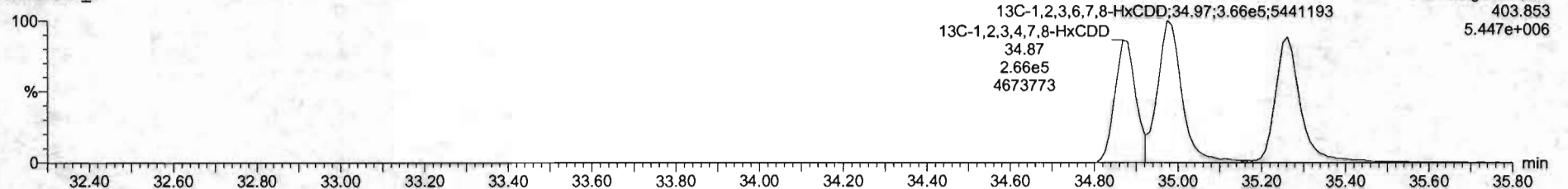


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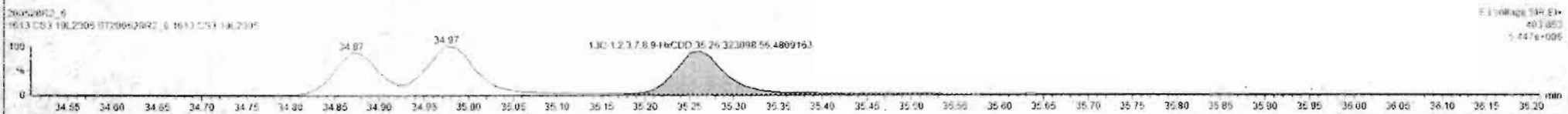
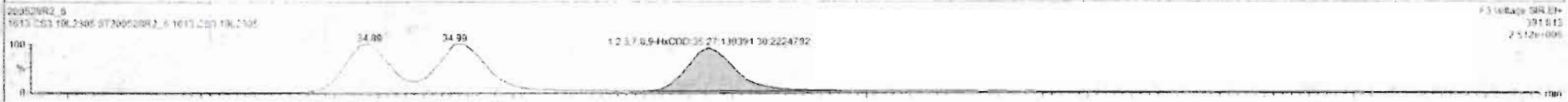
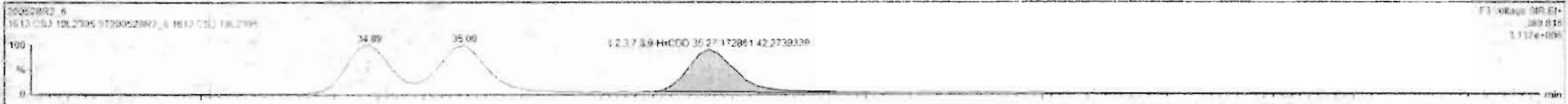
200528R2_6



200528R2_6



#	Name	Res#	RA	aly	RRT	sd/vol	RT	RRT	Conc.	%Rec	DL	LHPC
1	1,2,3,6-TCDD	1.06e5	0.91	NO	0.6203	1.000	26.59	1.001	10.2	102	0.0674	10.2
2	1,2,3,7,8-PeCDD	3.95e5	0.62	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	1,2,3,7,8-HxCDD	3.51e5	1.24	NO	0.8907	1.000	34.20	1.001	48.3	96.8	0.271	48.3
5	1,2,3,7,8,9-HxCDD	3.12e5	1.24	NO	0.6669	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	2.29e5	1.02	NO	0.9618	1.000	30.81	1.000	51.2	102	0.209	51.2
7	CDD	4.53e5	0.38	NO	0.9136	1.000	41.78	1.000	102	102	0.206	102
8	1,2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.68	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.8905	1.000	30.25	1.000	51.2	102	0.130	51.2
10	1,2,3,7,8-HxCDF	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	0.8648	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	0.8022	1.000	34.13	1.000	51.9	104	0.179	51.9
13	1,2,3,4,7,8-HpCDF	3.88e5	1.25	NO	0.9341	1.000	34.72	1.000	51.9	104	0.197	51.9
14	1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8767	1.000	35.63	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.84e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.201	51.4
16	1,2,3,4,7,8,9-HpCDF	2.00e5	0.80	NO	1.0123	1.000	38.34	1.000	52.7	105	0.258	52.7
17	CDF	4.44e5	0.86	NO	0.8045	1.000	41.97	1.000	102	102	0.161	102
18	1,2,3,7,8,9-HxCDF	1.16e5	0.79	NO	1.1507	1.000	28.96	1.025	101	101	0.0990	101
19	1,2,3,4,6,7,8-HpCDD	8.48e5	0.84	NO	0.8450	1.000	31.60	1.215	100	100	0.225	100
20	1,2,3,4,7,8-HpCDD	8.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	98.9
21	1,2,3,6,7,8-HpCDD	8.19e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	102



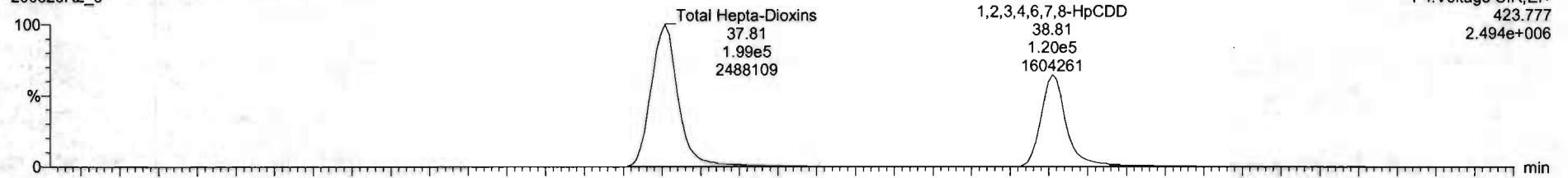
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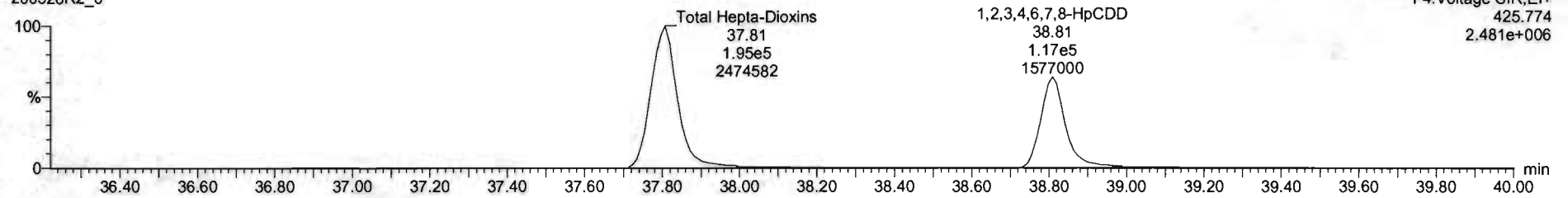
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1,2,3,4,6,7,8-HpCDD

200528R2_6

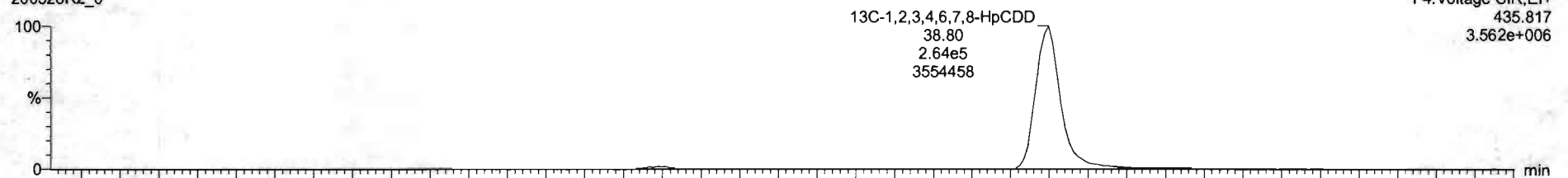


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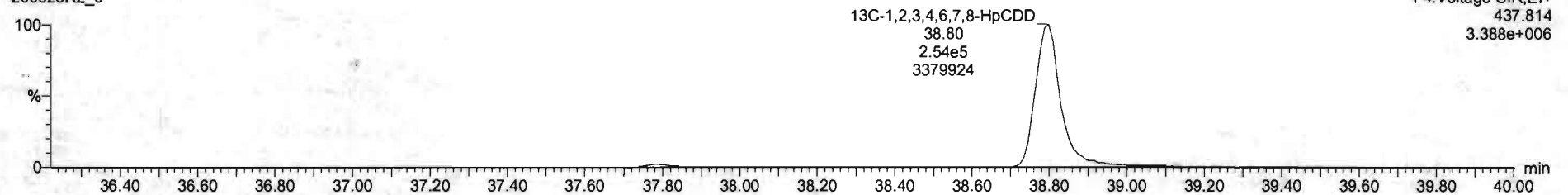


13C-1,2,3,4,6,7,8-HpCDD

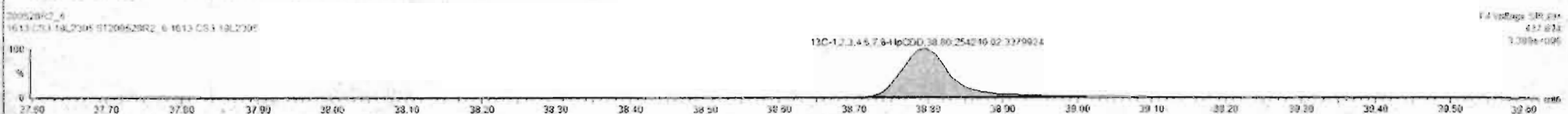
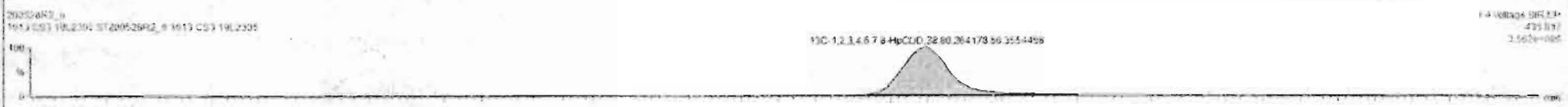
200528R2_6



200528R2_6



#	Name	Resp	RA	inj	RRF	wtvol	HT	RR1	Conc	%Rec	OL	EMPC
1	1,2,3,4,5-HpCDD	1.96e5	0.81	NO	0.880	1.000	26.19	1.001	10.2	102	0.0664	10.0
2	1,2,3,4,5,6-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-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	0.9176	1.000	41.75	1.000	102	102	0.208	102
8	1,1,1,6-TCDF	1.19e5	0.74	NO	0.7140	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,7,8-HpCDF	5.72e5	1.57	NO	0.8925	1.000	30.25	1.000	51.0	102	0.150	51.0
10	1,2,3,7,8-HxCDF	5.81e5	1.57	NO	0.9348	1.000	31.22	1.000	50.3	101	0.150	50.3
11	1,2,3,4,7,8-HxCDF	5.58e5	1.21	NO	0.8548	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	0.8852	1.000	34.13	1.000	51.9	104	0.170	51.9
13	1,2,3,4,6,7,8-HxCDF	3.88e5	1.25	NO	0.9041	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	0.8701	1.000	35.03	1.000	51.1	102	0.209	51.1
15	1,2,3,4,6,7,8-HxCDF	2.54e5	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	2.30e5	0.98	NO	1.0122	1.000	38.14	1.000	52.7	108	0.288	52.7
17	OCDF	4.44e5	0.85	NO	0.8081	1.000	41.87	1.000	102	102	0.161	102
18	13C-1,2,3,7,8-13CDD	1.16e5	0.79	NO	1.1583	1.000	29.56	1.026	101	101	0.0980	
19	13C-1,2,3,7,8-HpCDD	3.45e5	0.84	NO	0.9450	1.000	33.59	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HpCDD	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-HxCDD	8.15e5	1.23	NO	1.0487	1.000	34.97	1.017	102	102	0.144	



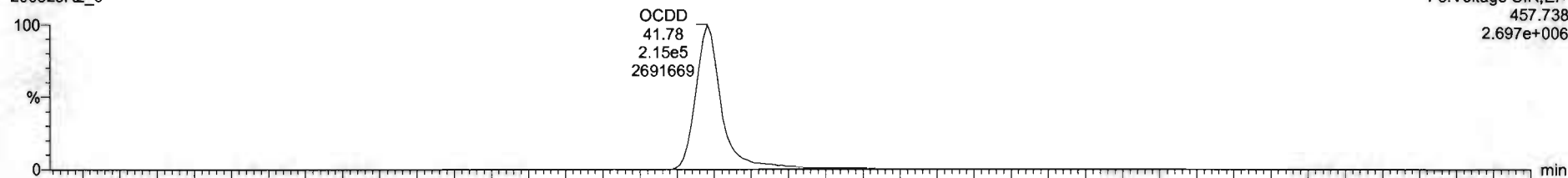
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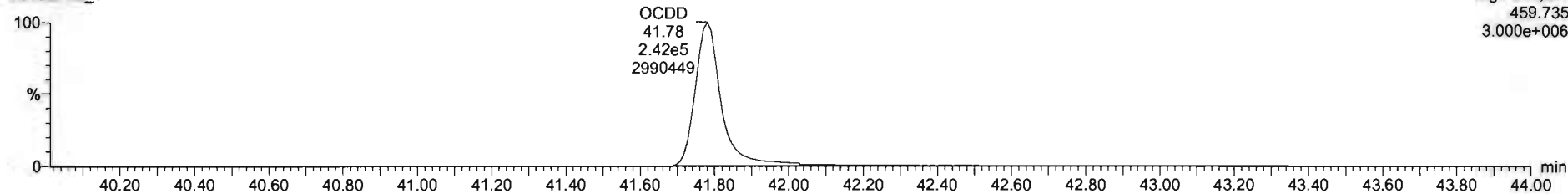
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OCDD

200528R2_6

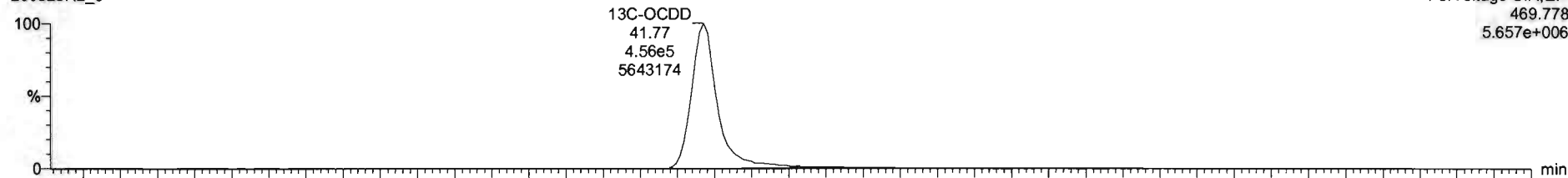


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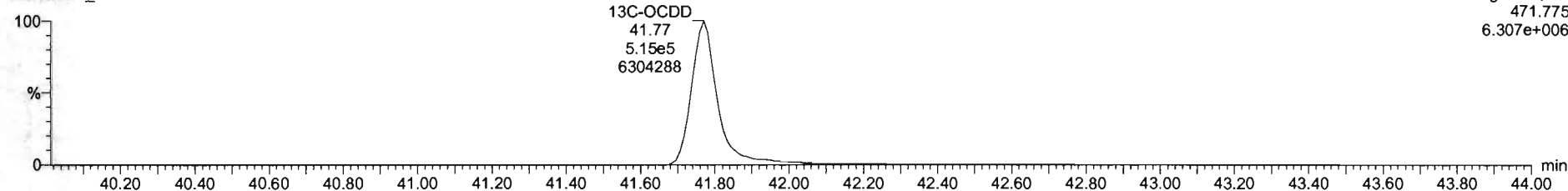


13C-OCDD

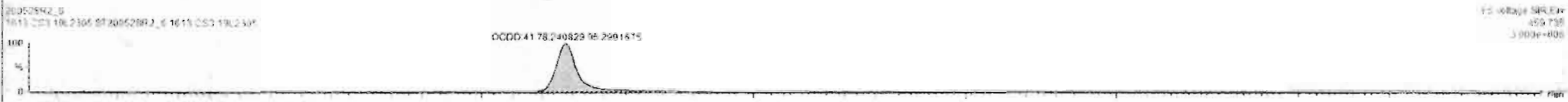
200528R2_6



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	7.26e6	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	



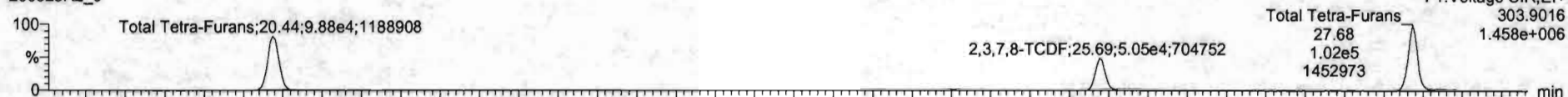
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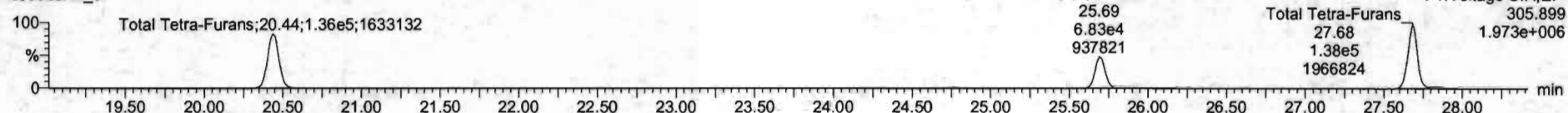
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2,3,7,8-TCDF

200528R2_6

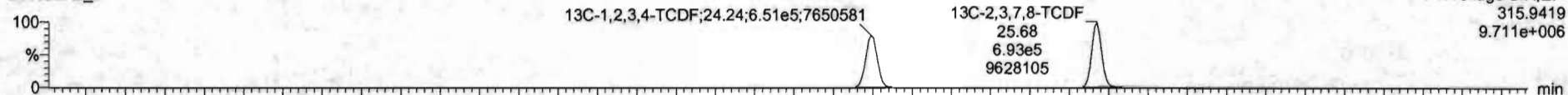


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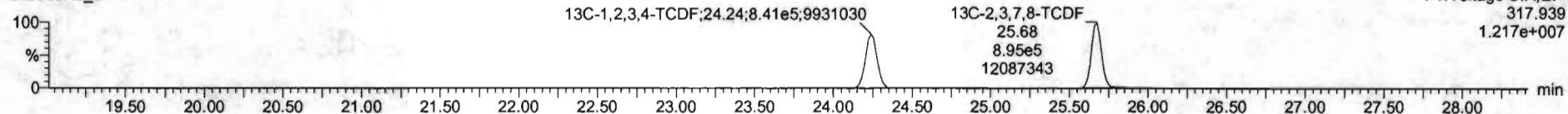


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200528R2_6

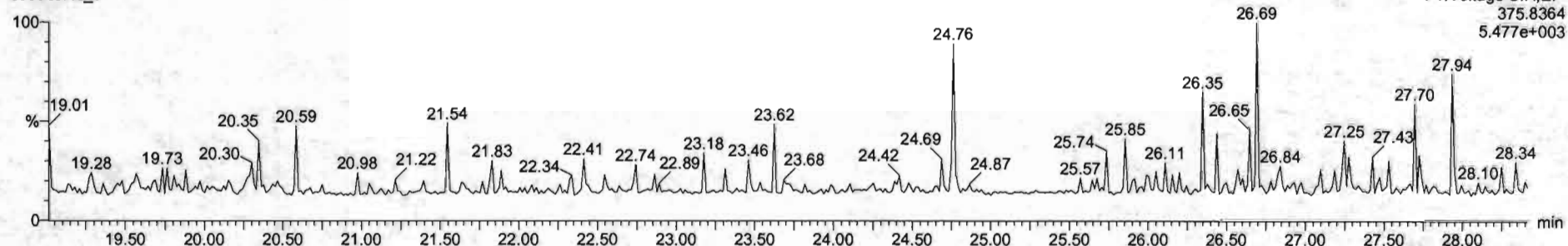


200528R2_6



DPE1

200528R2_6



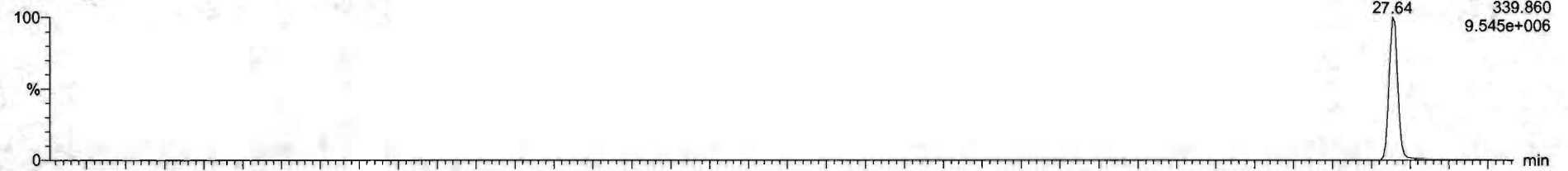
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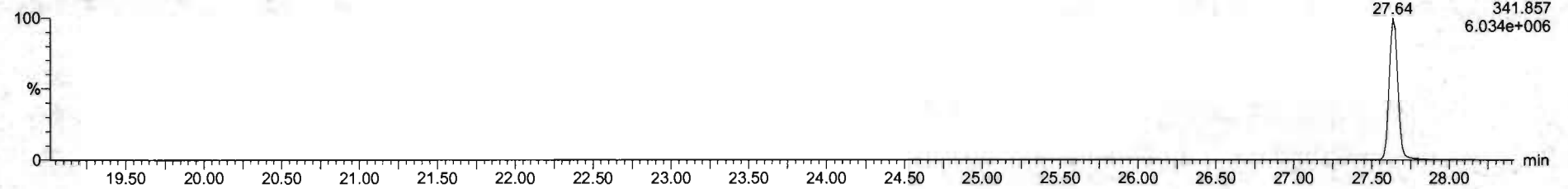
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200528R2_6

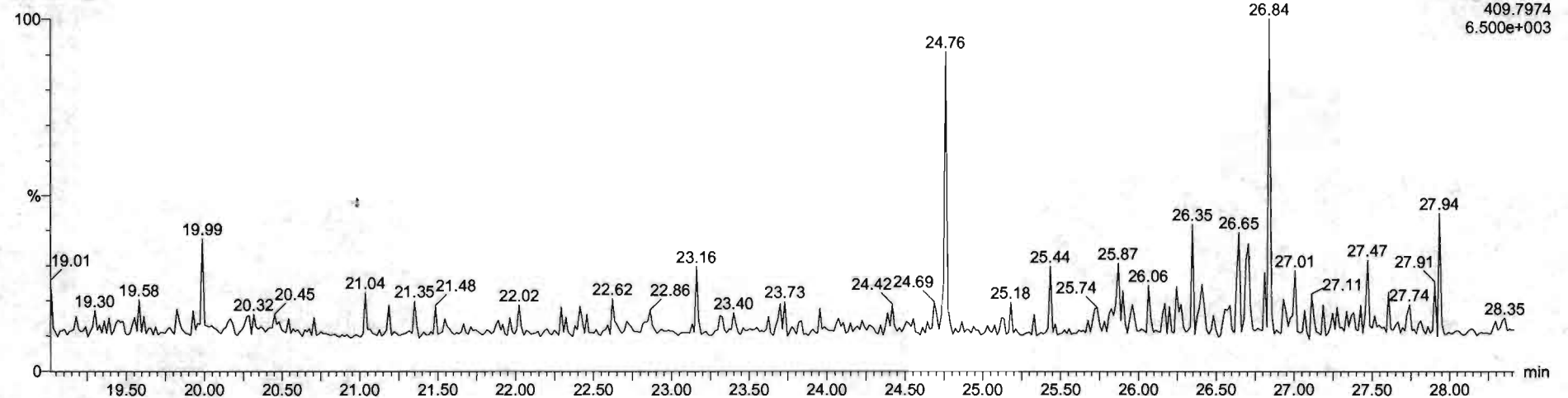


200528R2_6



DPE6

200528R2_6



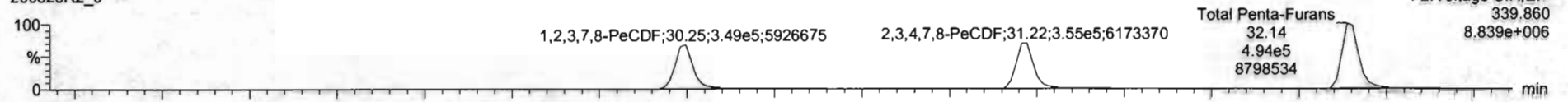
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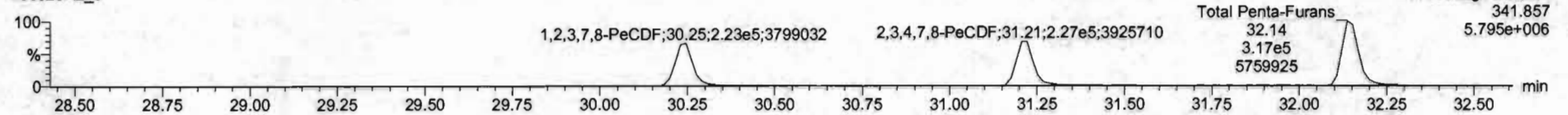
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1,2,3,7,8-PeCDF

200528R2_6

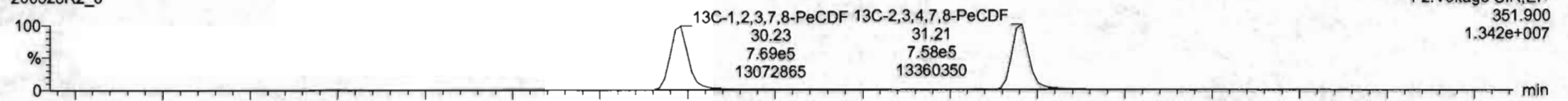


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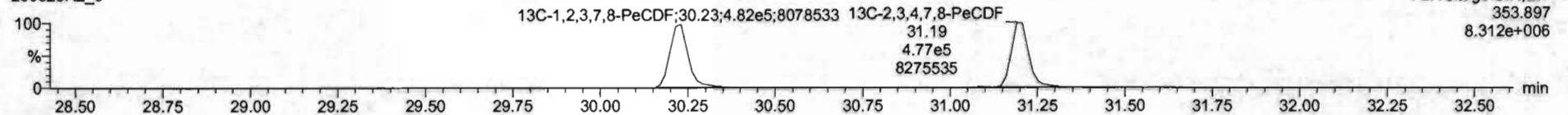


13C-1,2,3,7,8-PeCDF

200528R2_6

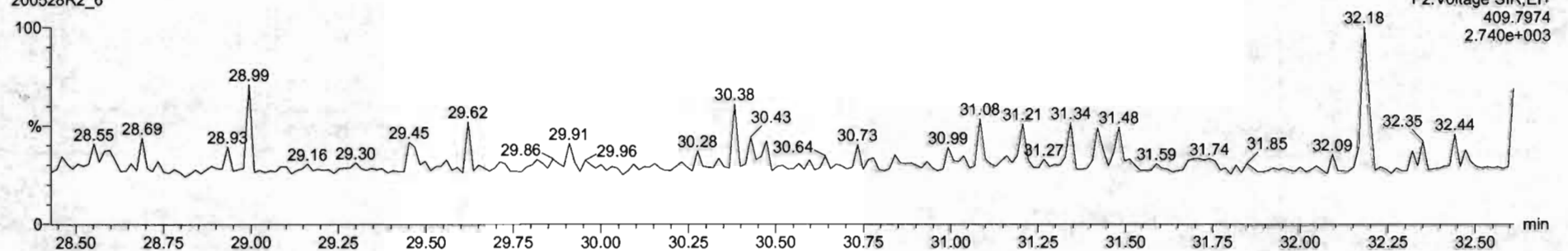


200528R2_6



DPE2

200528R2_6

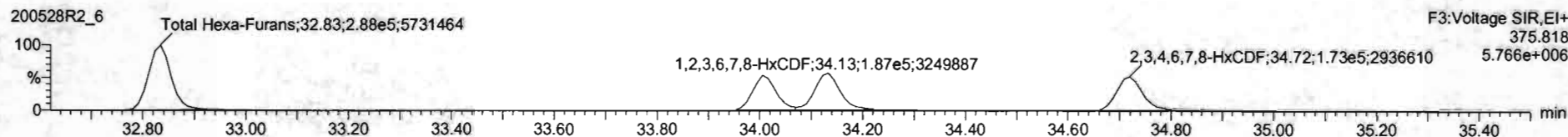
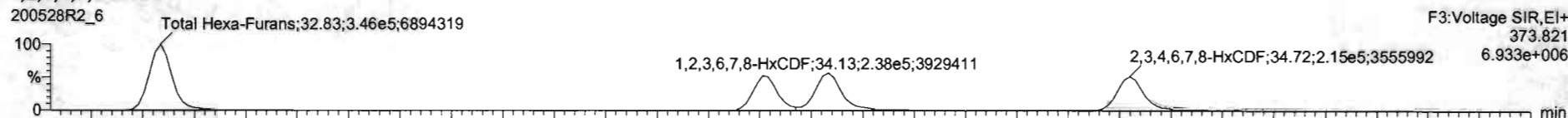


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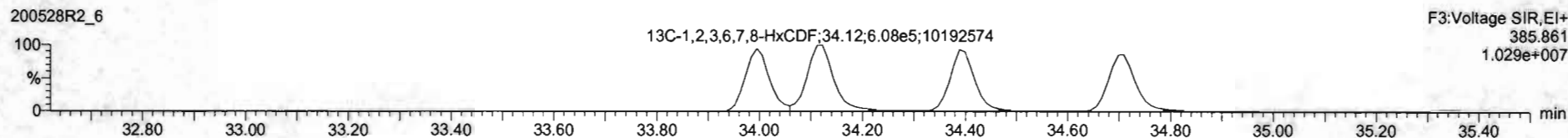
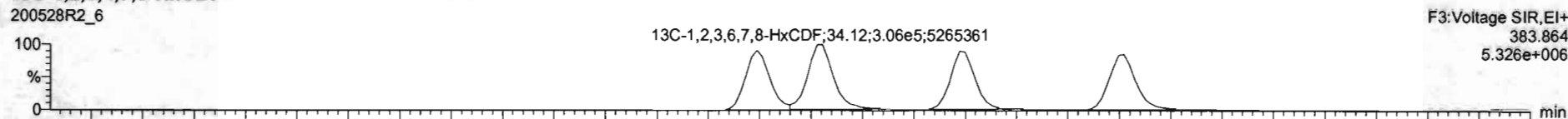
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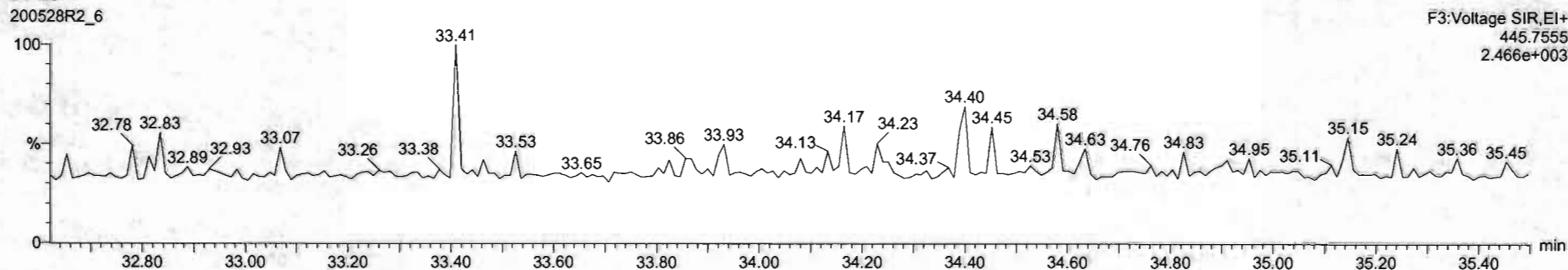
1,2,3,4,7,8-HxCDF



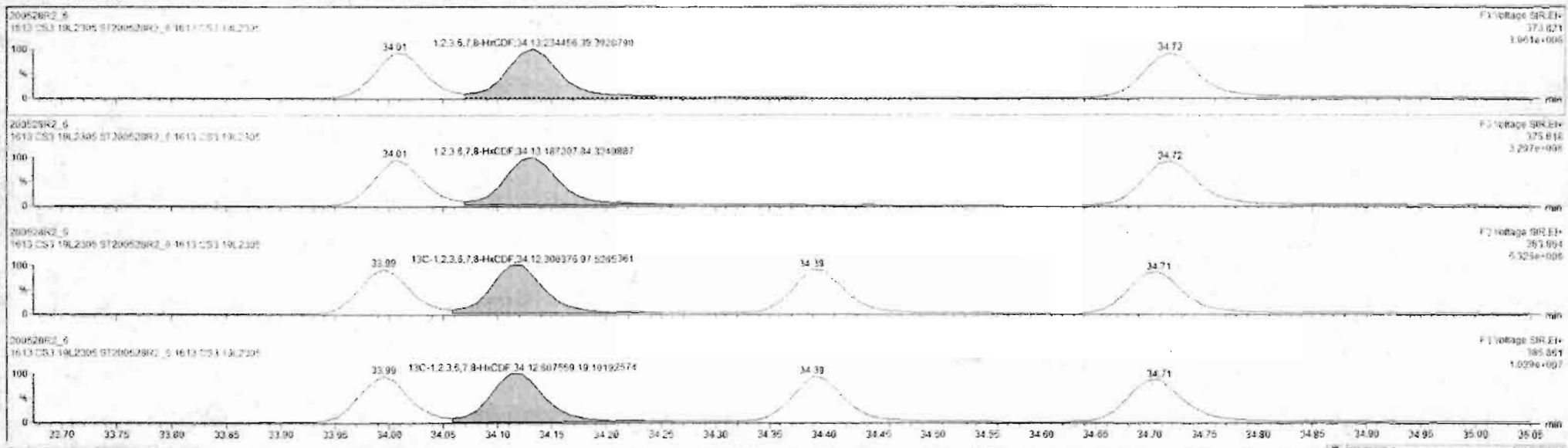
13C-1,2,3,4,7,8-HxCDF



DPE3



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 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	2.98e5	1.22	NO	0.8707	1.000	35.83	1.000	51.1	102	0.201	51.1
15 1,2,3,4,6,7,8-HpCDF	2.64e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
18 1,2,3,4,7,8,9-HpCDF	0.20e5	0.86	NO	1.0108	1.000	39.34	1.000	52.7	105	0.268	52.7
17 OCDF	1.44e5	0.86	NO	0.8085	1.000	41.97	1.000	102	102	0.141	102
19 1,2,3,7,8-TCDF	1.16e5	0.79	NO	1.1583	1.000	26.56	1.026	101	101	0.0890	
13C 1,2,3,7,8-PeCDD	0.48e5	0.64	NO	0.8490	1.000	31.50	1.215	100	100	0.235	
20 13C-1,2,3,7,8-HxCDD	0.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	
21 13C-1,2,3,7,8-HxCDD	0.15e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



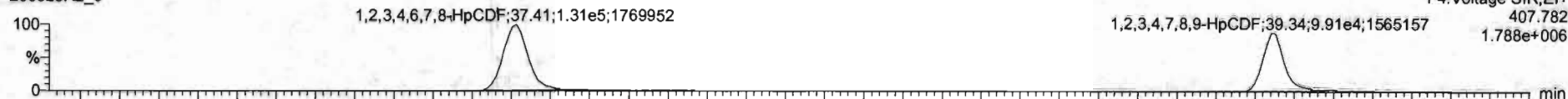
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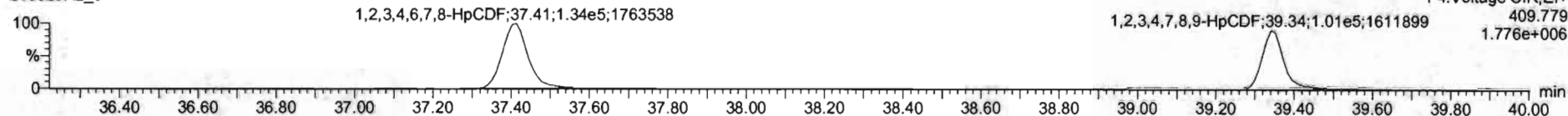
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1,2,3,4,6,7,8-HpCDF

200528R2_6

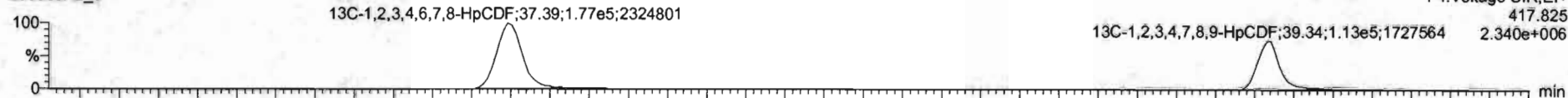


200528R2_6

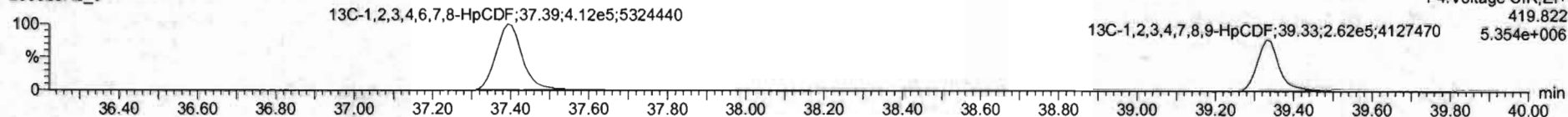


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200528R2_6

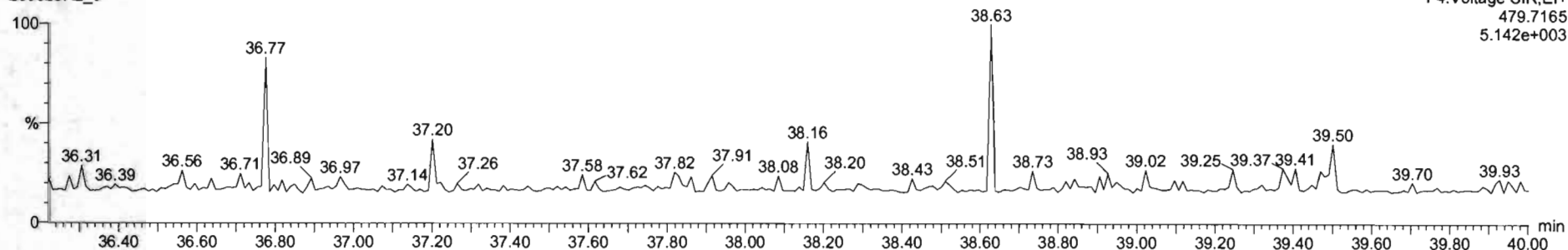


200528R2_6



DPE4

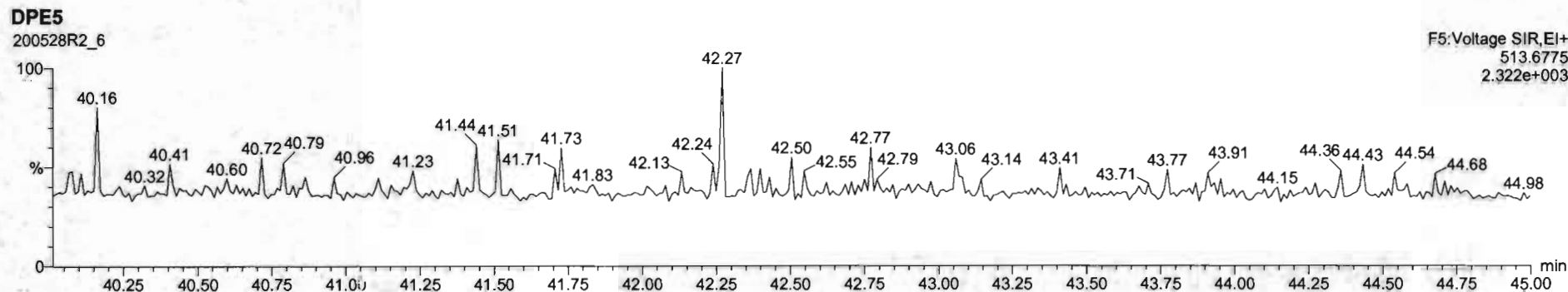
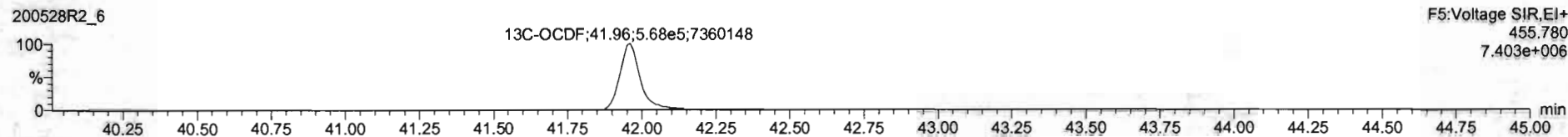
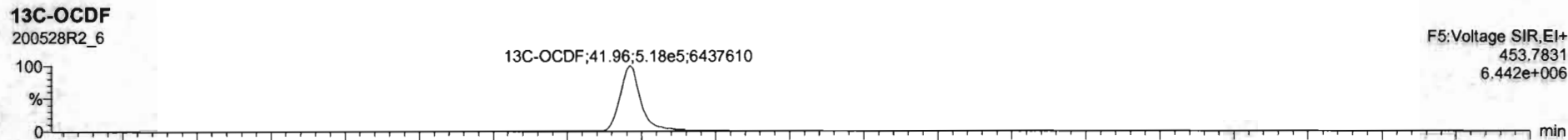
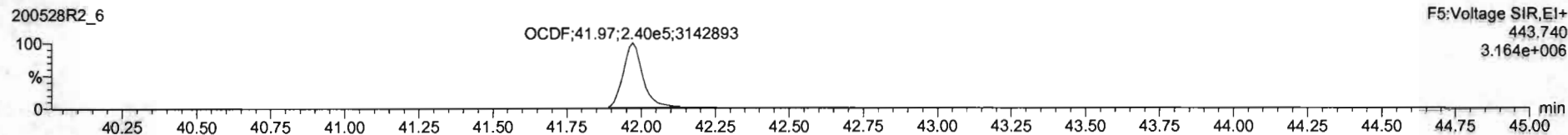
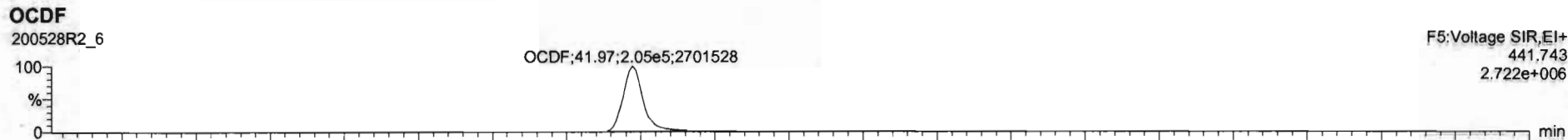
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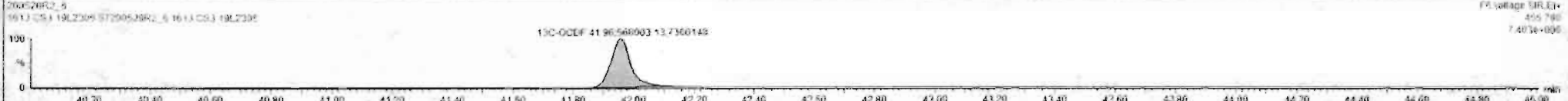
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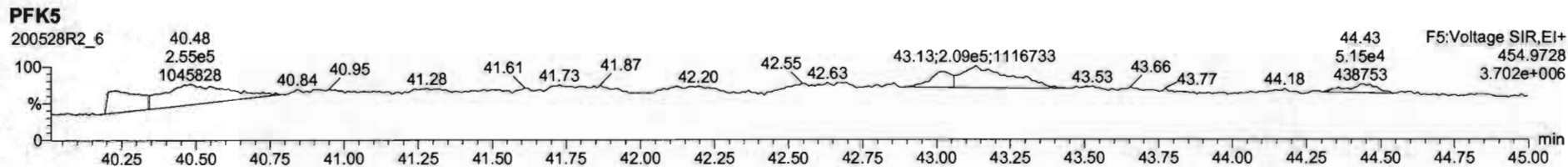
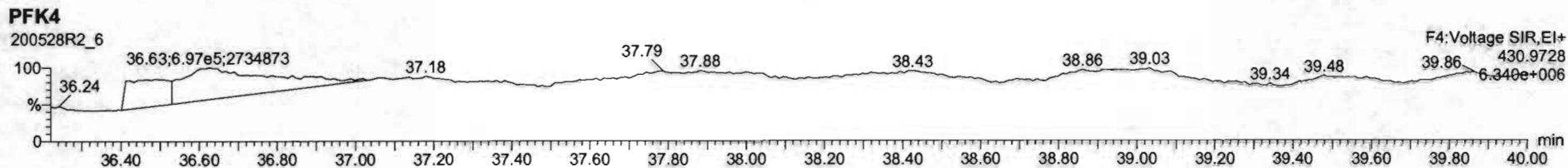
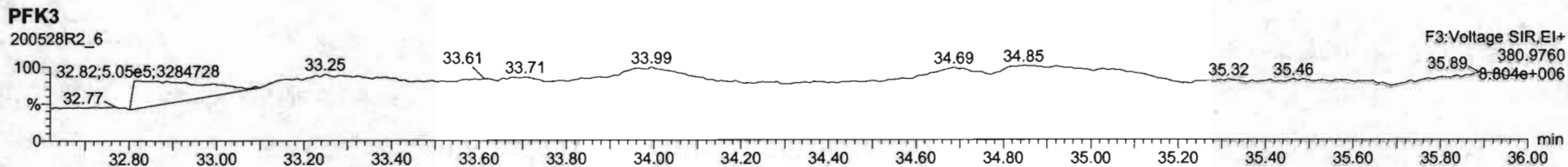
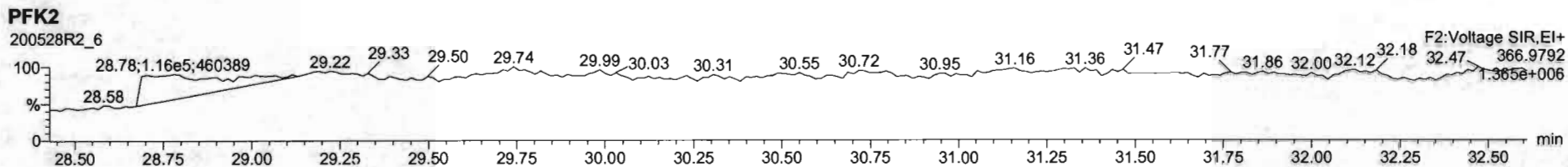
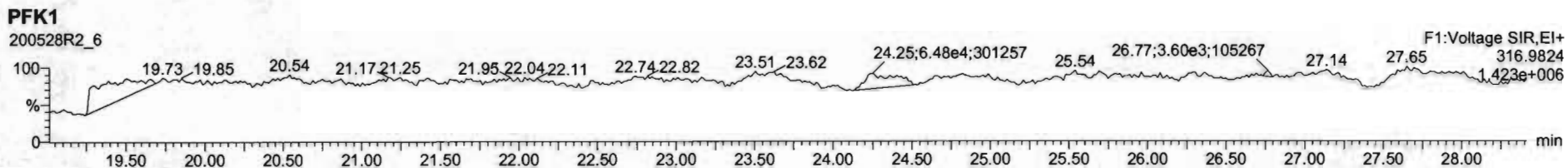
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1	2,3,7,8-TCDF	1.06e5	0.81	NO	0.8503	1.000	26.19	1.001	10.2	102	0.0664	10.2
2	1,2,3,7,8-PeCDF	3.56e5	0.62	NO	0.8091	1.000	31.53	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDF	0.25e5	1.23	NO	1.0334	1.000	34.99	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDF	0.51e5	1.34	NO	0.8921	1.000	35.00	1.001	48.3	96.6	0.231	48.3
5	1,2,3,7,8,9-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-HpCDD	1.0e5	1.01	NO	1.9819	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	1.72e5	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	60.3	101	0.150	60.3
11	1,2,3,4,7,8-HxCDF	3.56e5	1.31	NO	0.8545	1.000	34.81	1.000	61.1	103	0.191	61.1
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	61.1	102	0.291	61.1
15	1,2,3,4,6,7,8-HpCDF	2.64e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
16	1,2,3,4,7,8,9-HpCDF	2.00e5	0.98	NO	1.0128	1.000	39.14	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	26.19	1.024	101	101	0.0680	
19	13C-1,2,3,7,8-PeCDF	6.48e5	0.64	NO	0.8456	1.000	31.53	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HxCDD	0.84e5	1.27	NO	0.7790	1.000	34.98	1.014	98.9	98.9	0.168	
21	13C-1,2,3,6,7,8-HxCDD	0.15e5	1.23	NO	1.8187	1.000	34.97	1.017	102	102	0.144	



Dataset: Untitled

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Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

Last Altered: Friday, May 29, 2020 7:44:05 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

GRB 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

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

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.888	1.000	26.575	26.57	1.001	1.001	11.080	111	0.0262	11.1
2	2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.908	1.000	31.518	31.51	1.001	1.000	56.429	113	0.0622	56.4
3	3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.03	1.000	34.879	34.88	1.000	1.000	58.033	116	0.101	58.0
4	4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.892	1.000	34.975	34.99	1.000	1.000	57.963	116	0.105	58.0
5	5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.887	1.000	35.262	35.26	1.000	1.000	57.107	114	0.119	57.1
6	6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.864	1.000	38.799	38.80	1.000	1.000	55.832	112	0.168	55.8
7	7 OCDD	5.15e5	0.88	NO	0.914	1.000	41.759	41.78	1.000	1.001	111.26	111	0.171	111
8	8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.751	1.000	25.671	25.68	1.001	1.001	11.386	114	0.0333	11.4
9	9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.893	1.000	30.236	30.23	1.001	1.001	55.728	111	0.0942	55.7
10	10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.935	1.000	31.222	31.21	1.001	1.000	60.229	120	0.0851	60.2
11	11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.884	1.000	33.984	33.99	1.000	1.000	55.936	112	0.113	55.9
12	12 1,2,3,6,7,8-HxCDF	5.08e5	1.18	NO	0.889	1.000	34.122	34.12	1.000	1.000	56.761	114	0.107	56.8
13	13 2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.934	1.000	34.732	34.71	1.001	1.000	56.468	113	0.117	56.5
14	14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.871	1.000	35.614	35.62	1.000	1.000	55.299	111	0.174	55.3
15	15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.873	1.000	37.430	37.40	1.001	1.000	54.506	109	0.182	54.5
16	16 1,2,3,4,7,8,9-HpCDF	2.38e5	1.00	NO	1.01	1.000	39.331	39.34	1.000	1.000	57.740	115	0.198	57.7
17	17 OCDF	5.22e5	0.87	NO	0.806	1.000	41.951	41.96	1.000	1.000	113.77	114	0.201	114
18	18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.16	1.000	26.584	26.54	1.026	1.025	91.859	91.9	0.0837	
19	19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.849	1.000	31.784	31.50	1.227	1.216	88.503	88.5	0.117	
20	20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.779	1.000	34.874	34.87	1.014	1.014	88.587	88.6	0.180	
21	21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.02	1.000	34.987	34.97	1.017	1.017	88.739	88.7	0.138	
22	22 13C-1,2,3,7,8,9-HxCDD	7.39e5	1.24	NO	0.903	1.000	35.259	35.25	1.025	1.025	87.785	87.8	0.155	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.53e5	1.04	NO	0.689	1.000	38.787	38.79	1.128	1.128	86.116	86.1	0.160	
24	24 13C-OCDD	1.01e6	0.89	NO	0.652	1.000	41.813	41.76	1.216	1.214	166.64	83.3	0.212	
25	25 13C-2,3,7,8-TCDF	1.73e6	0.77	NO	1.06	1.000	25.623	25.65	0.989	0.990	90.815	90.8	0.116	
26	26 13C-1,2,3,7,8-PeCDF	1.35e6	1.61	NO	0.838	1.000	30.163	30.21	1.165	1.167	89.693	89.7	0.169	
27	27 13C-2,3,4,7,8-PeCDF	1.33e6	1.57	NO	0.817	1.000	31.119	31.19	1.202	1.204	90.666	90.7	0.174	
28	28 13C-1,2,3,4,7,8-HxCDF	8.51e5	0.51	NO	1.01	1.000	34.004	33.98	0.989	0.988	90.589	90.6	0.222	
29	29 13C-1,2,3,6,7,8-HxCDF	1.01e6	0.51	NO	1.17	1.000	34.127	34.11	0.992	0.992	92.509	92.5	0.191	
30	30 13C-2,3,4,6,7,8-HxCDF	8.50e5	0.51	NO	1.02	1.000	34.702	34.70	1.009	1.009	89.276	89.3	0.219	
31	31 13C-1,2,3,7,8,9-HxCDF	7.33e5	0.50	NO	0.860	1.000	35.603	35.61	1.035	1.036	91.476	91.5	0.260	

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

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Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.33e5	0.43	NO	0.774	1.000	37.353	37.39	1.086	1.087	87.682	87.7	0.235	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.07e5	0.42	NO	0.521	1.000	39.386	39.33	1.145	1.144	83.716	83.7	0.350	
34	34 13C-OCDF	1.14e6	0.88	NO	0.746	1.000	41.985	41.95	1.221	1.220	163.83	81.9	0.148	
35	35 37Cl-2,3,7,8-TCDD	1.28e5			1.04	1.000	26.615	26.57	1.028	1.026	10.416	104	0.0149	
36	36 13C-1,2,3,4-TCDD	1.19e6	0.81	NO	1.00	1.000	26.000	25.90	1.000	1.000	100.00	100	0.0967	
37	37 13C-1,2,3,4-TCDF	1.80e6	0.79	NO	1.00	1.000	24.360	24.22	1.000	1.000	100.00	100	0.123	
38	38 13C-1,2,3,4,6,9-HxCDF	9.32e5	0.51	NO	1.00	1.000	34.420	34.39	1.000	1.000	100.00	100	0.223	

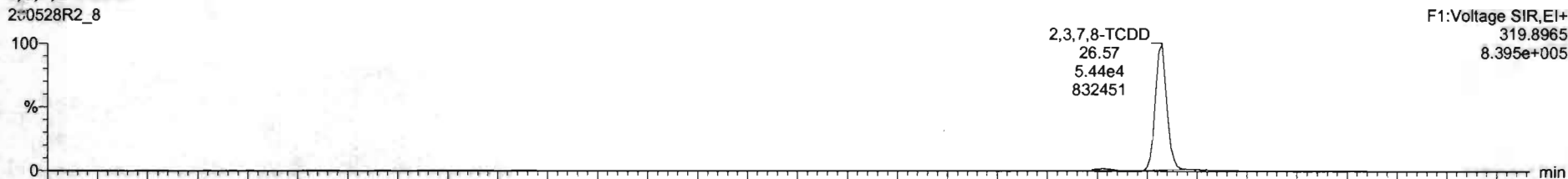
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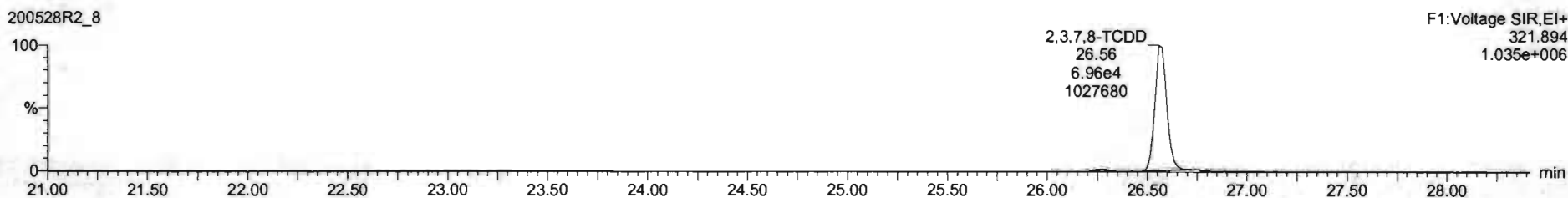
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

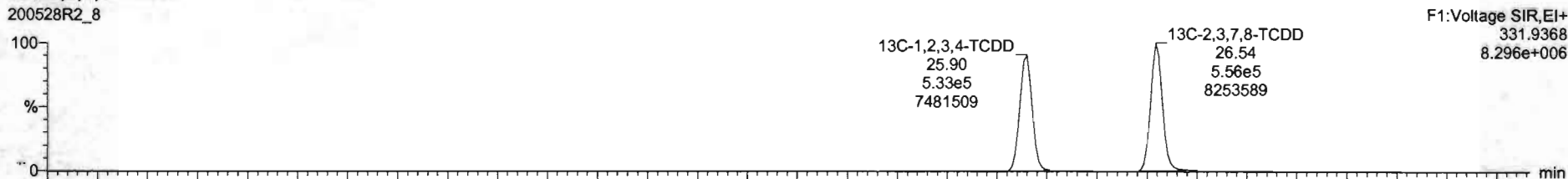
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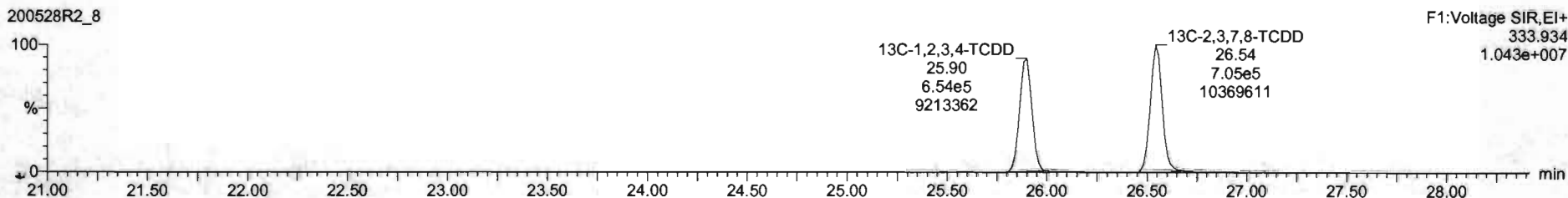
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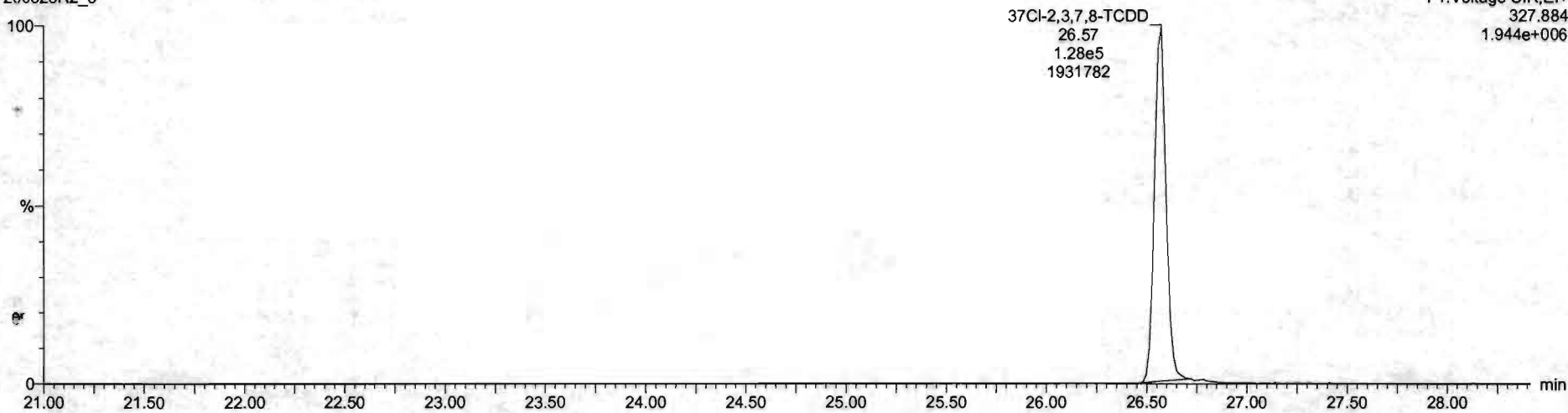
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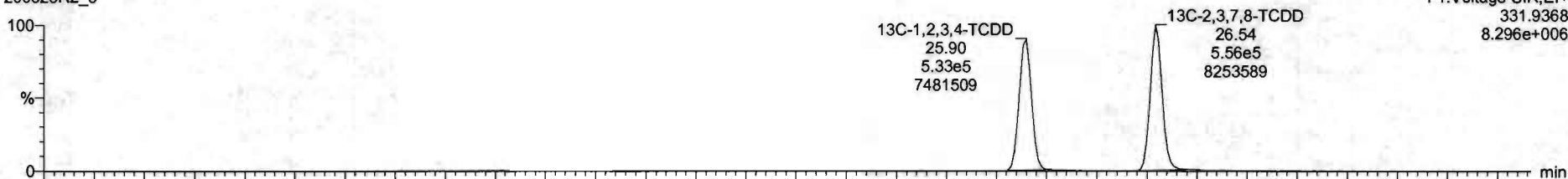
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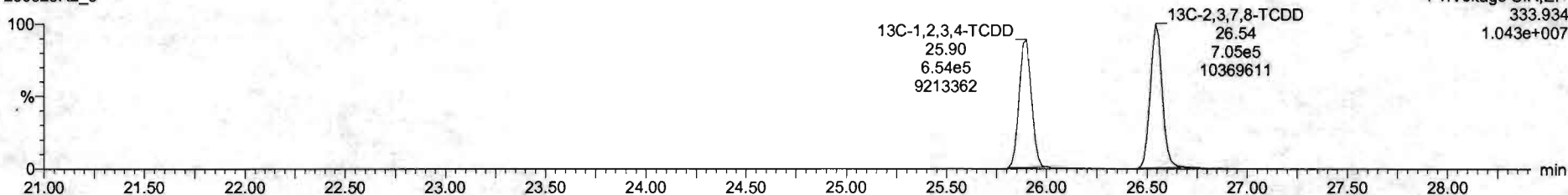


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200528R2_8



200528R2_8



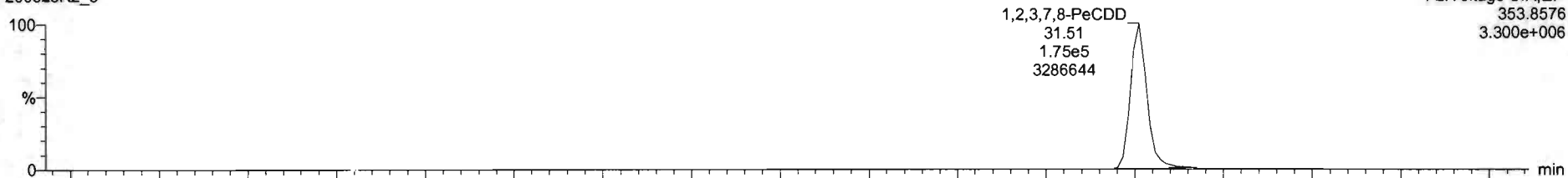
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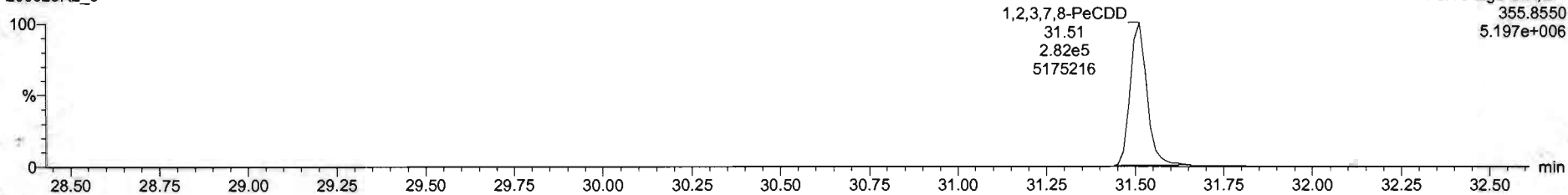
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1,2,3,7,8-PeCDD

200528R2_8

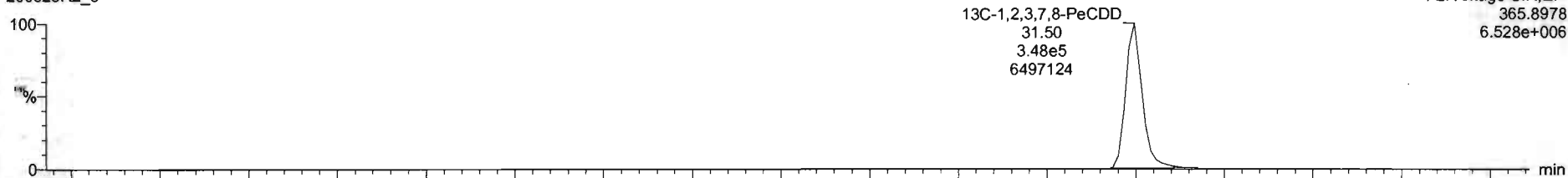


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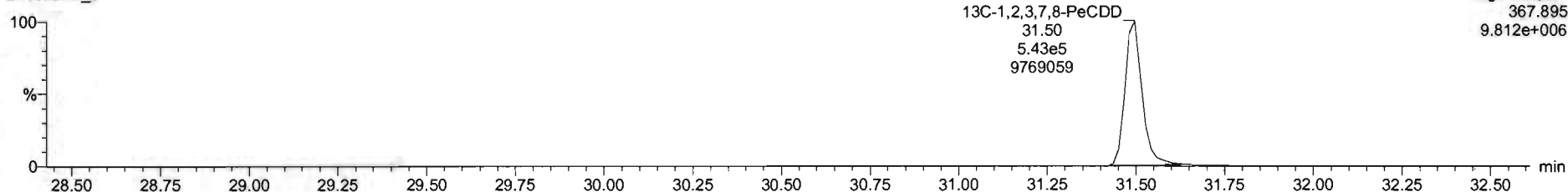


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200528R2_8



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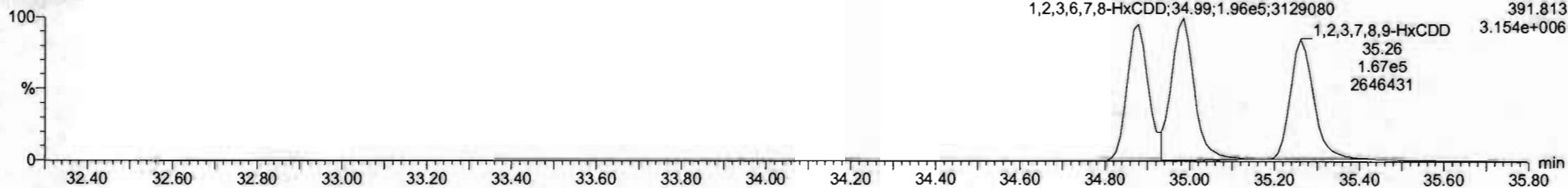
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1,2,3,4,7,8-HxCDD

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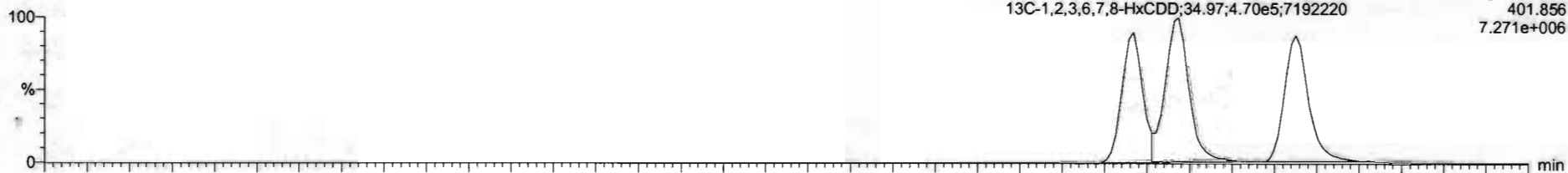


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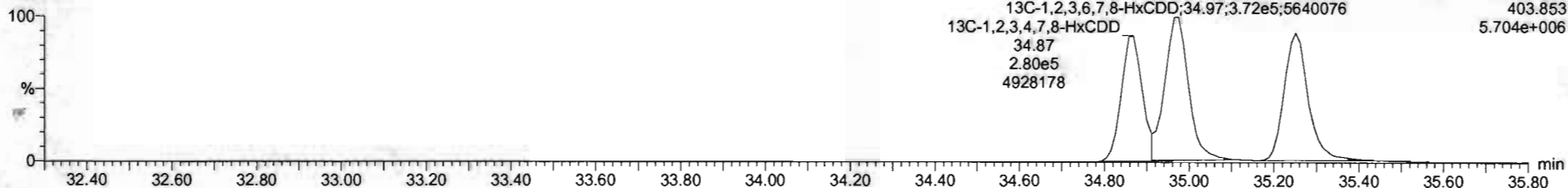


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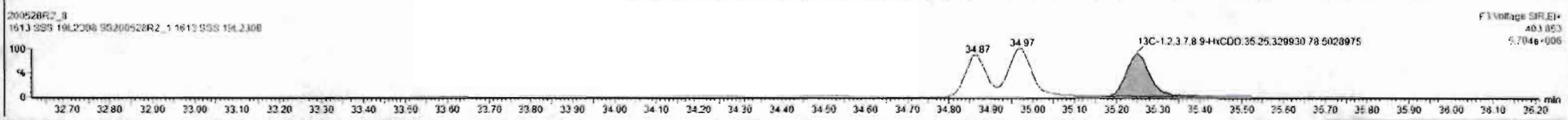
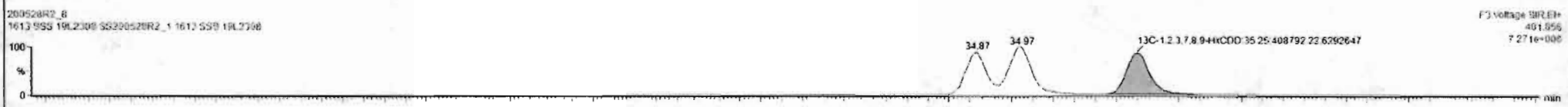
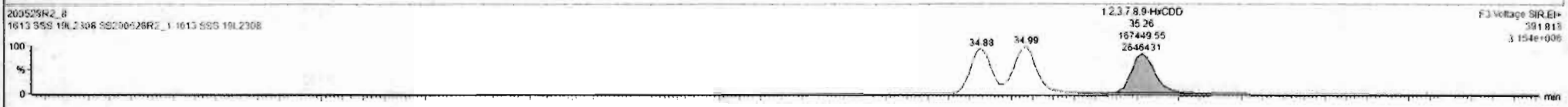
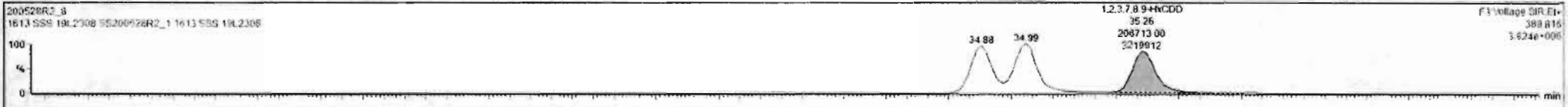
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200528R2_8



#	Name	Resp	RA	nby	RRF	wrtvol	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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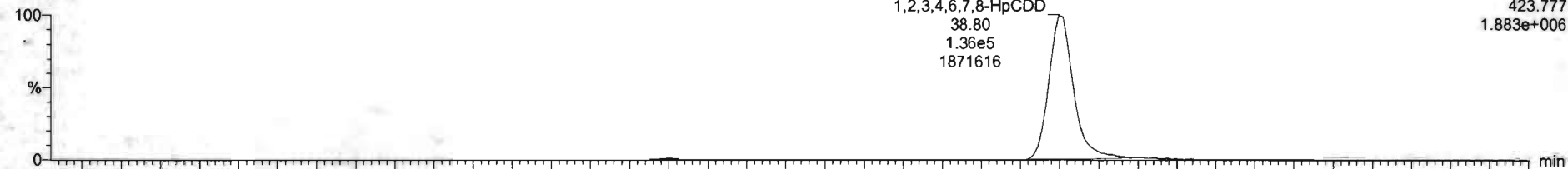
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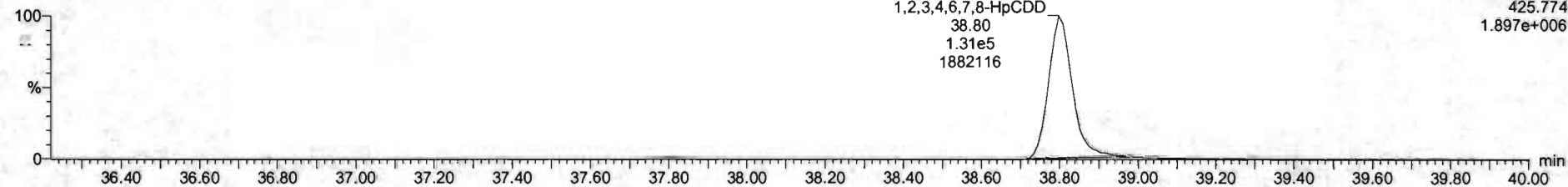
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200528R2_8



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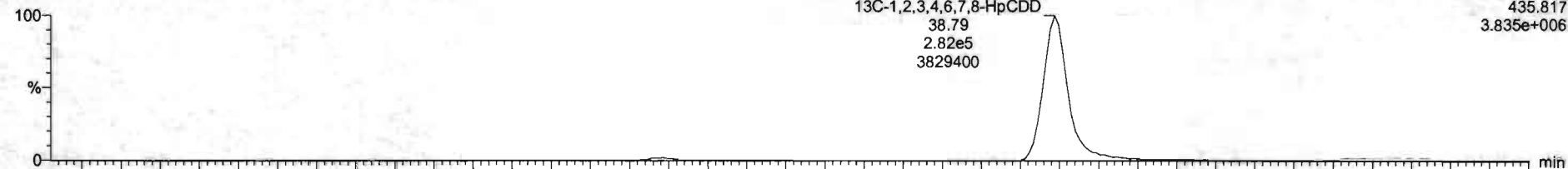
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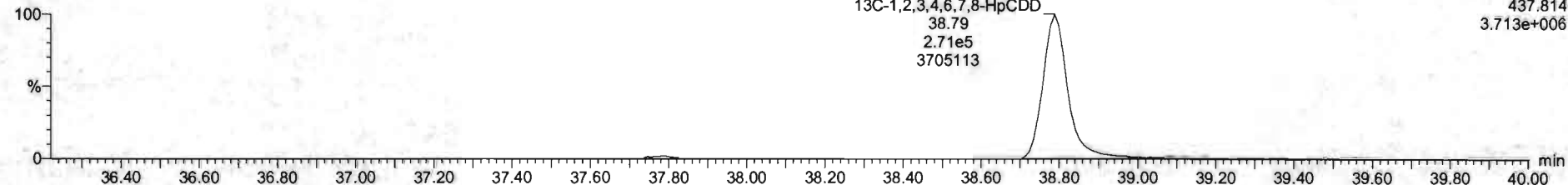
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200528R2_8



F4: Voltage SIR, EI+
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200528R2_8



F4: Voltage SIR, EI+
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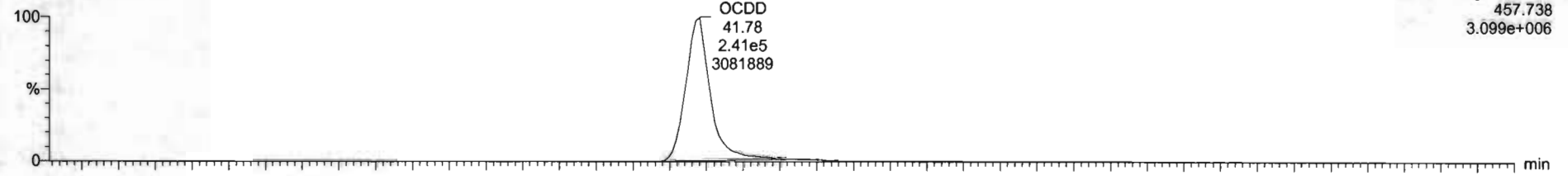
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

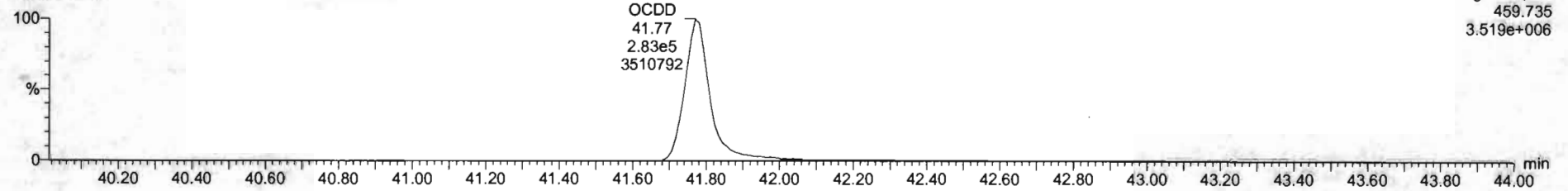
OCDD

200528R2_8



F5: Voltage SIR, EI+
457.738
3.099e+006

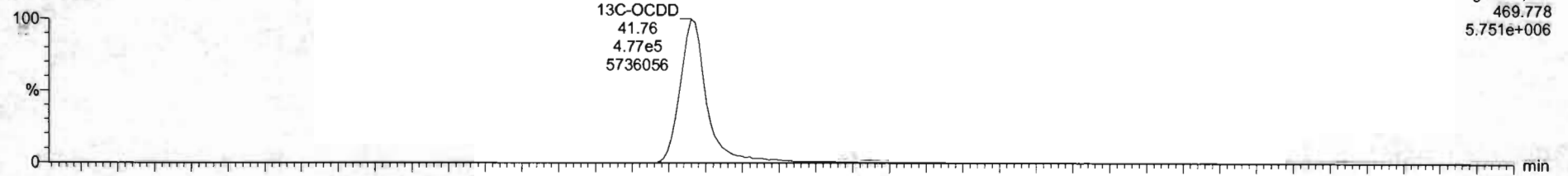
200528R2_8



F5: Voltage SIR, EI+
459.735
3.519e+006

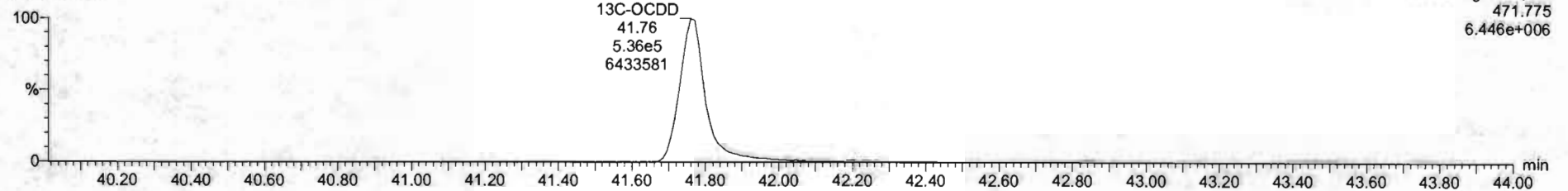
13C-OCDD

200528R2_8



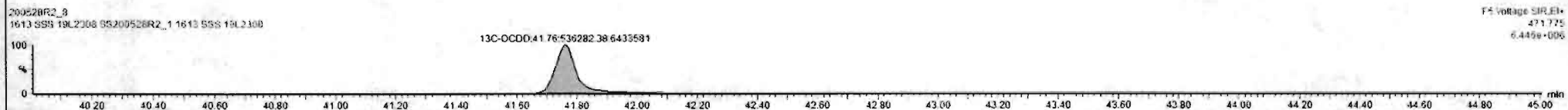
F5: Voltage SIR, EI+
469.778
5.751e+006

200528R2_8



F5: Voltage SIR, EI+
471.775
6.446e+006

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	115	0.114	58.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8852	1.000	34.12	1.000	59.1	115	0.100	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.21	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	119	0.193	59.2
17 OCDF	5.22e5	0.87	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0627	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	86.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.136	



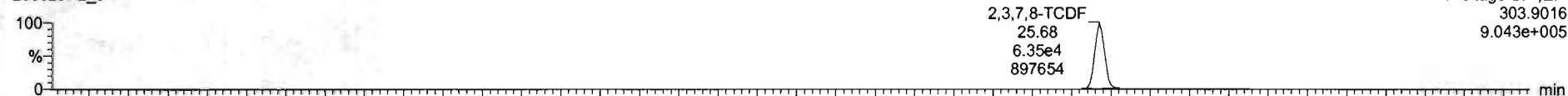
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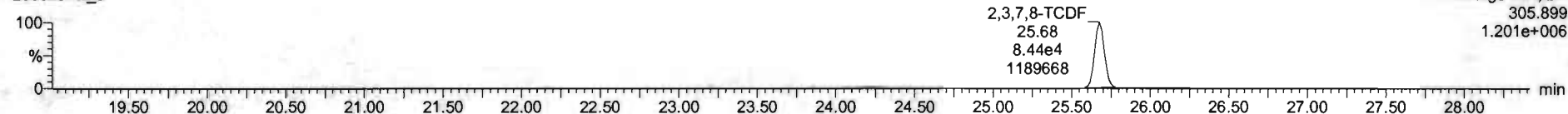
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDF

200528R2_8

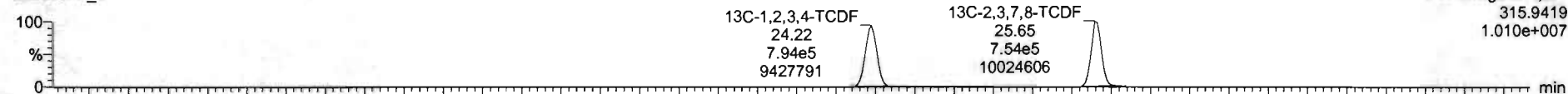


200528R2_8

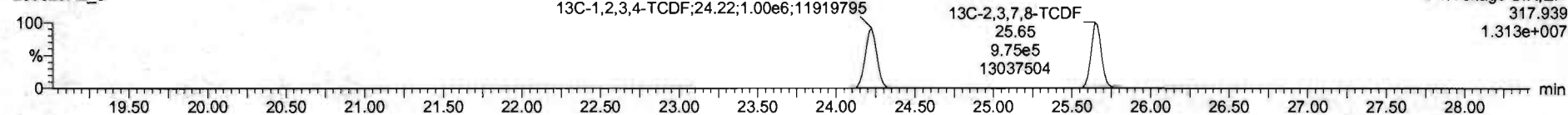


13C-2,3,7,8-TCDF

200528R2_8

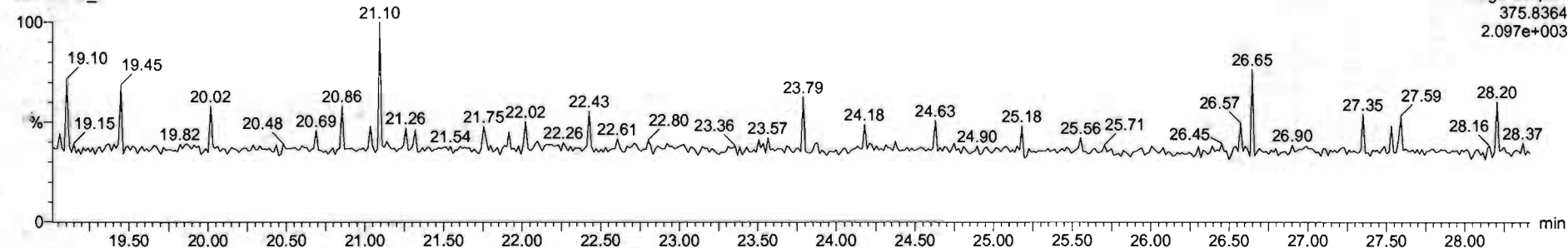


200528R2_8



DPE1

200528R2_8



Dataset: Untitled

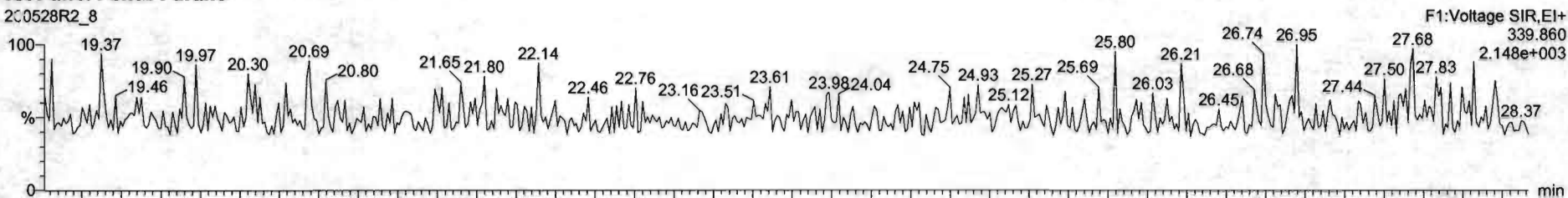
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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

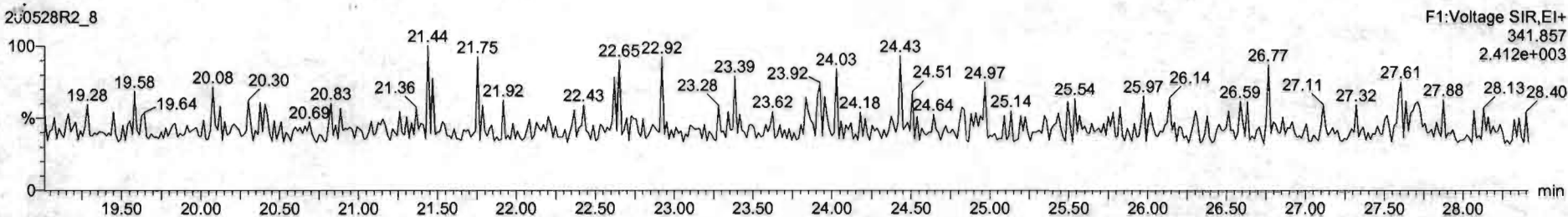
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

1st Func. Penta-Furans

200528R2_8

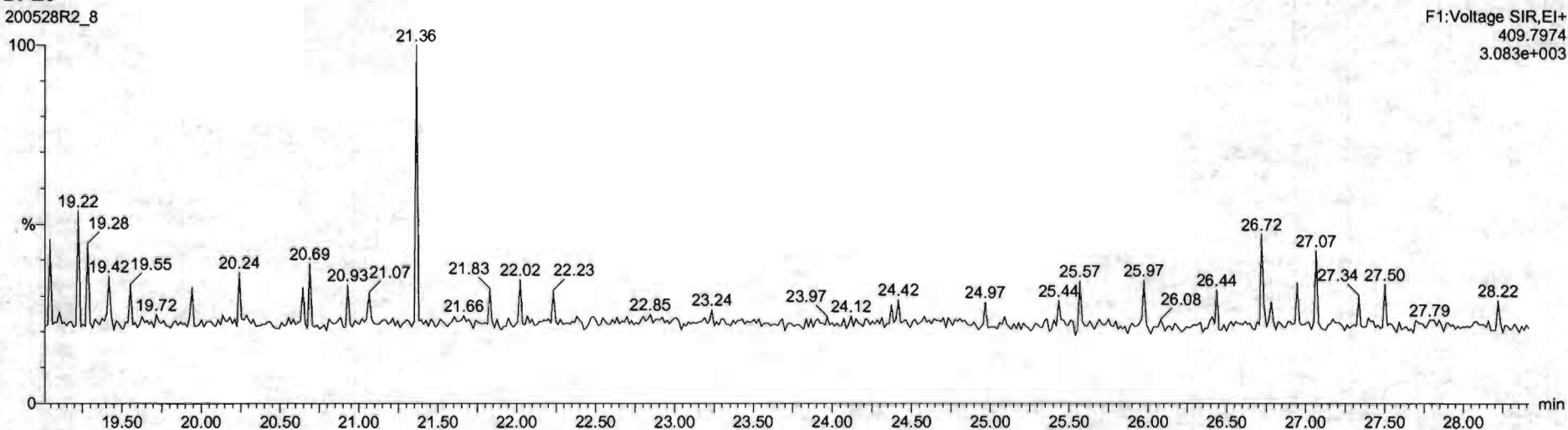


200528R2_8



DPE6

200528R2_8



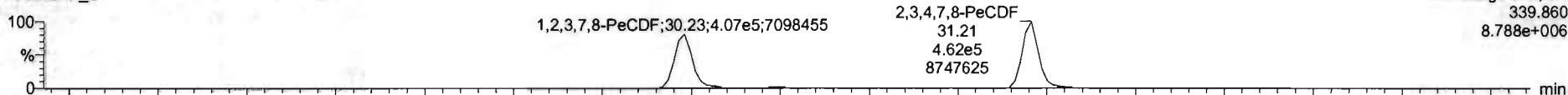
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

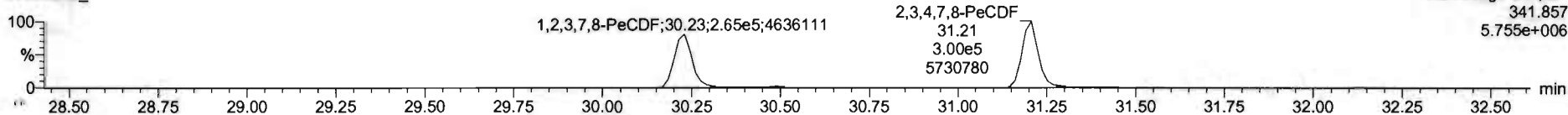
1,2,3,7,8-PeCDF

200528R2_8



F2:Voltage SIR,EI+
339.860
8.788e+006

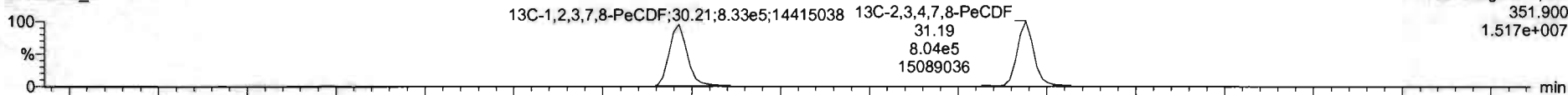
200528R2_8



F2:Voltage SIR,EI+
341.857
5.755e+006

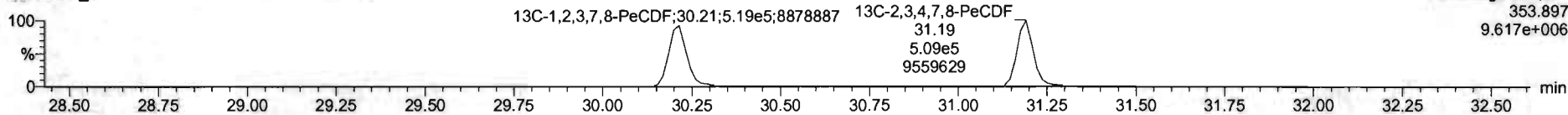
13C-1,2,3,7,8-PeCDF

200528R2_8



F2:Voltage SIR,EI+
351.900
1.517e+007

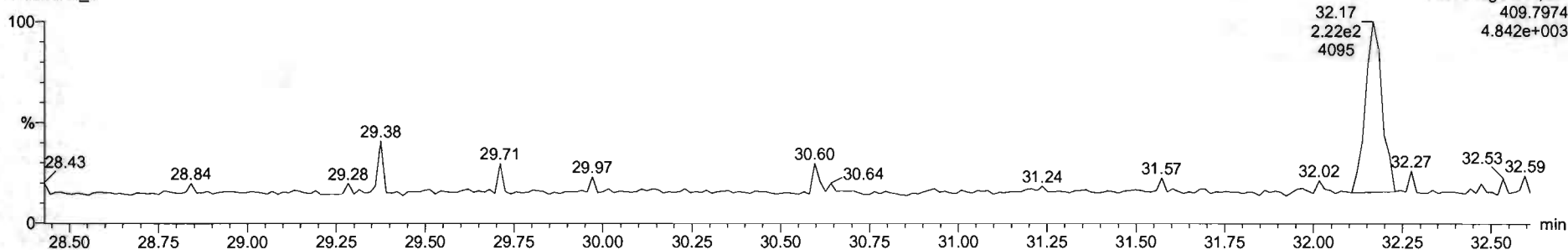
200528R2_8



F2:Voltage SIR,EI+
353.897
9.617e+006

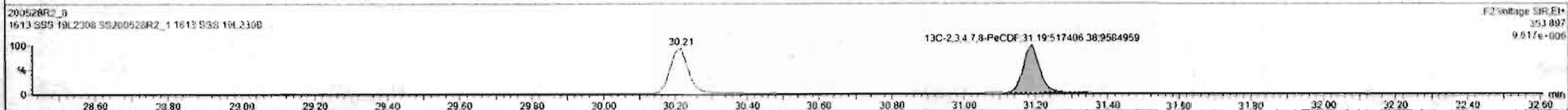
DPE2

200528R2_8



F2:Voltage SIR,EI+
409.7974
4.842e+003

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	2.06e5	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	0.0947	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	0.8252	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	



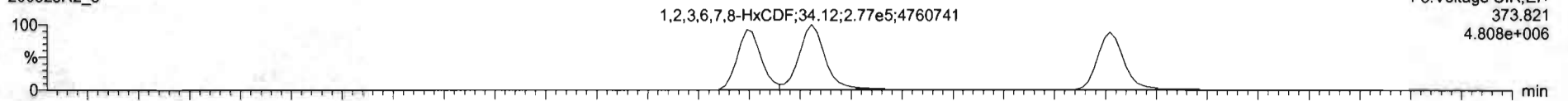
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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

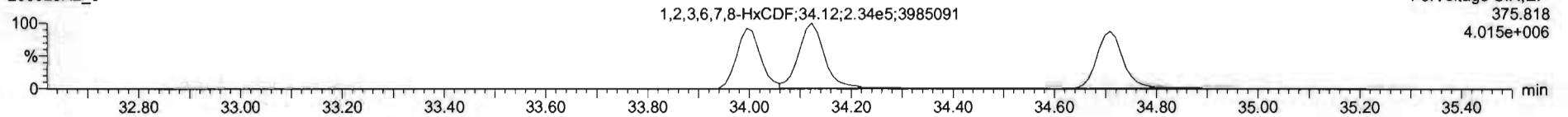
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200528R2_8

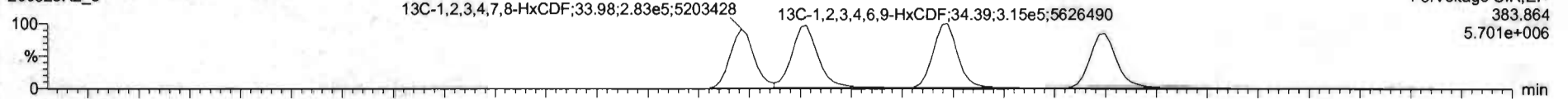


200528R2_8

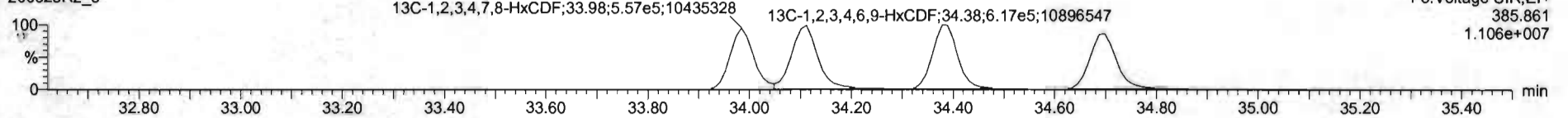


13C-1,2,3,4,7,8-HxCDF

200528R2_8

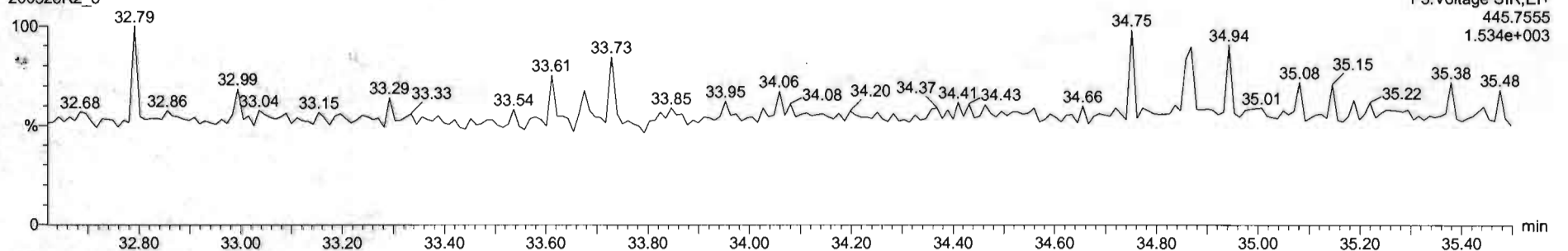


200528R2_8

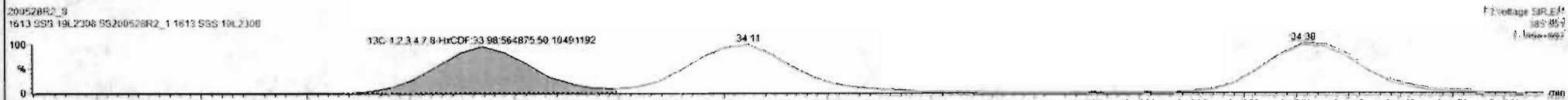
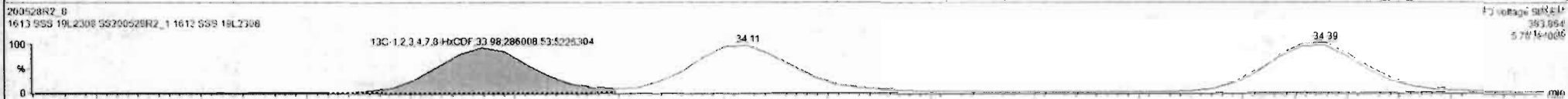
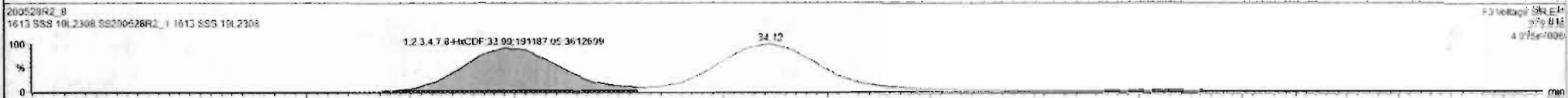
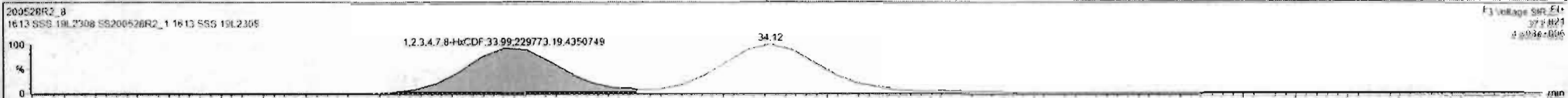


DPE3

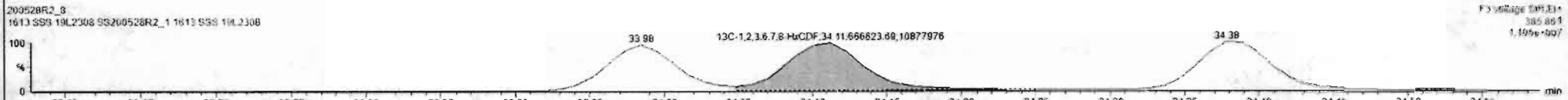
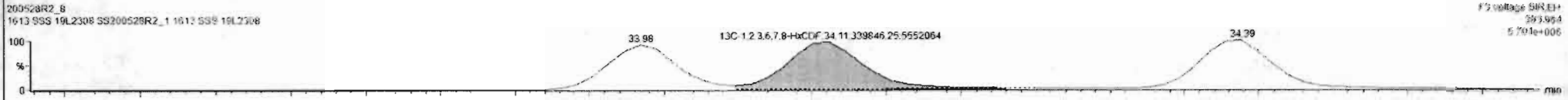
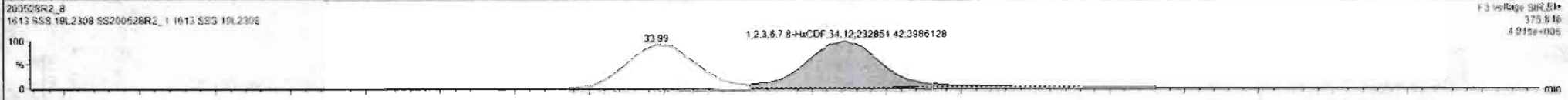
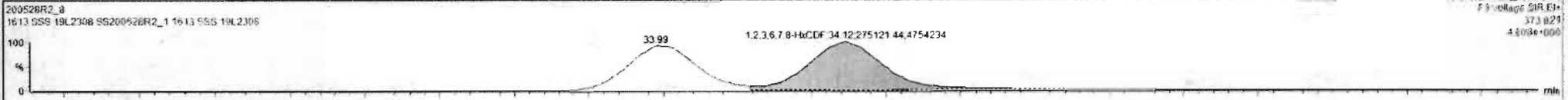
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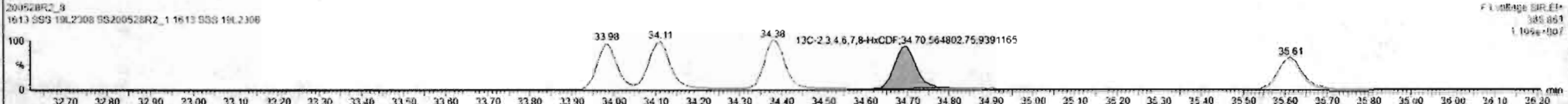
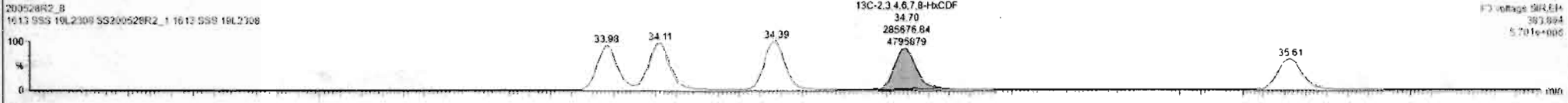
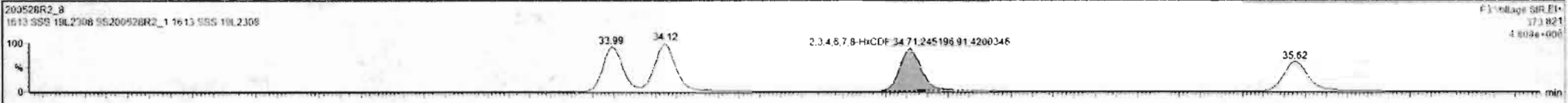
Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.8981	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.0334	1.000	24.86	1.000	56.0	116	0.1011	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	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	0.8869	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	29.34	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	1.1563	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	86.5	86.5	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	



Sl	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	28.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	3.66e5	1.22	NO	1.0314	1.000	34.88	1.000	56.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	34.99	1.000	58.0	116	0.100	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8869	1.000	35.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.67e5	1.93	NO	0.9039	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	28.54	1.025	91.9	91.9	0.0637	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.84	NO	0.8490	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0187	1.000	34.97	1.017	88.7	88.7	0.136	



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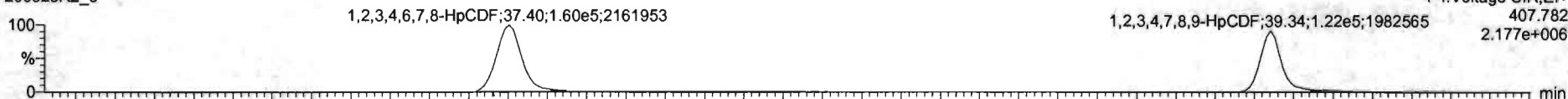
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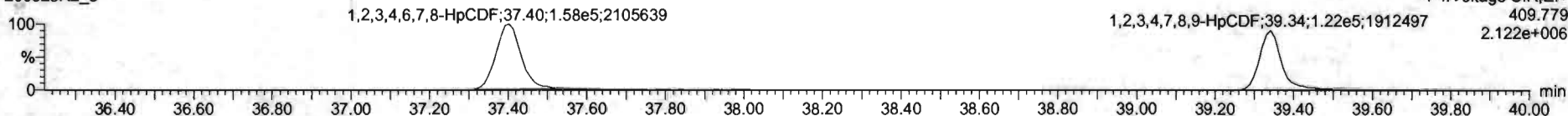
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200528R2_8



200528R2_8

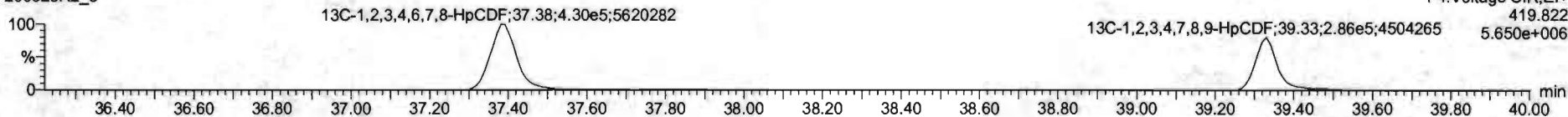


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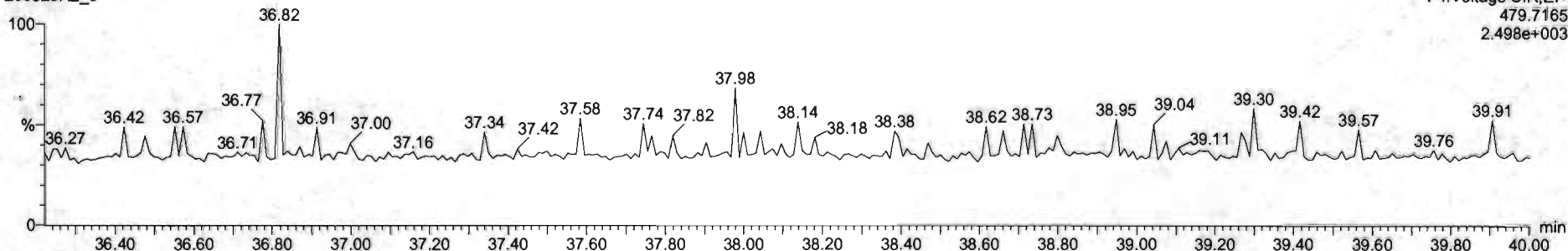


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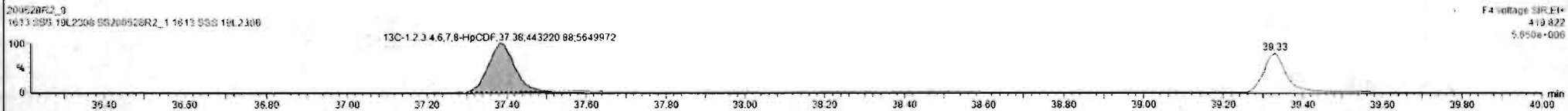


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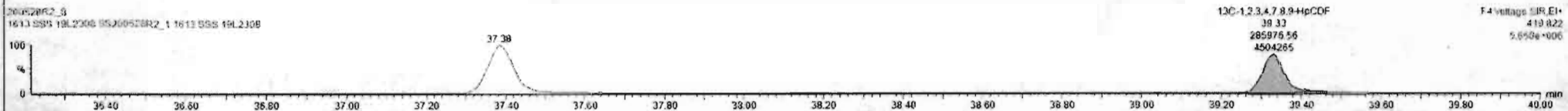
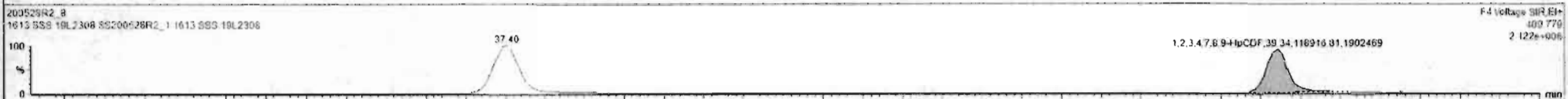
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Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2.3.7.8-TCDD	1.24e5	0.78	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0252	11.1
2 1,2.3.7.8-PeCDD	5.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	58.4
3 1,2.3.4.7.8-HxCDD	3.56e5	1.22	NO	1.0334	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	41.78	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	0.0533	11.4
9 1.2.3.7.8-PeCDF	6.72e5	1.54	NO	0.8025	1.000	30.23	1.001	25.7	111	0.0542	25.7
10 2.3.4.7.5-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	0.8862	1.000	34.12	1.000	56.8	114	0.107	56.8
13 2.3.4.6.7.8-HxCDF	4.45e5	1.21	NO	0.9341	1.000	34.71	1.000	56.5	113	0.117	56.5
14 1.2.3.7.8.9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.8734	1.000	37.48	1.000	54.5	108	0.152	54.5
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.09	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.27e5	0.87	NO	0.8055	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e8	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0637	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	66.5	68.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.0167	1.000	34.97	1.017	86.7	86.7	0.138	



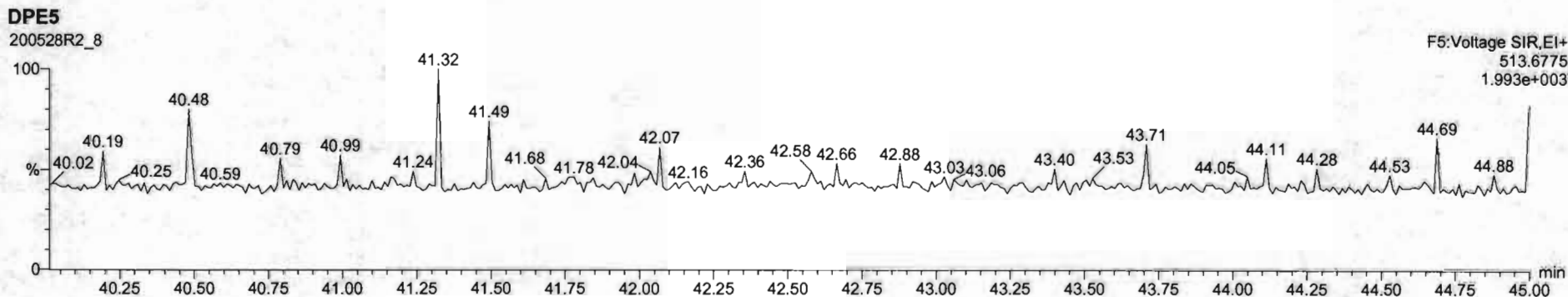
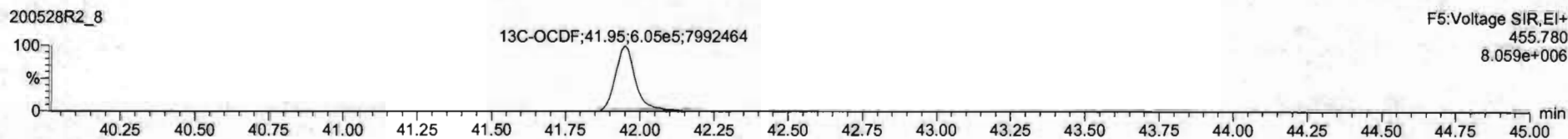
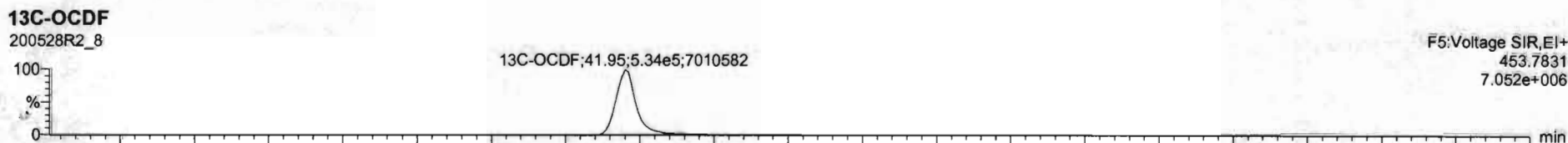
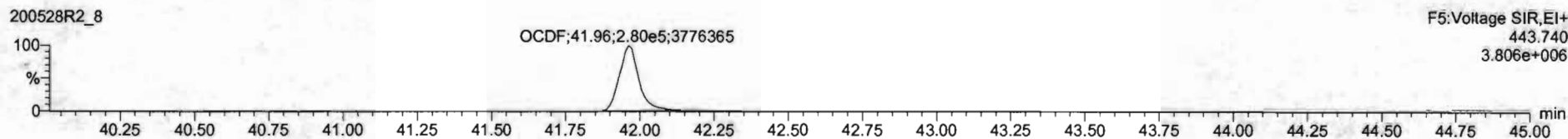
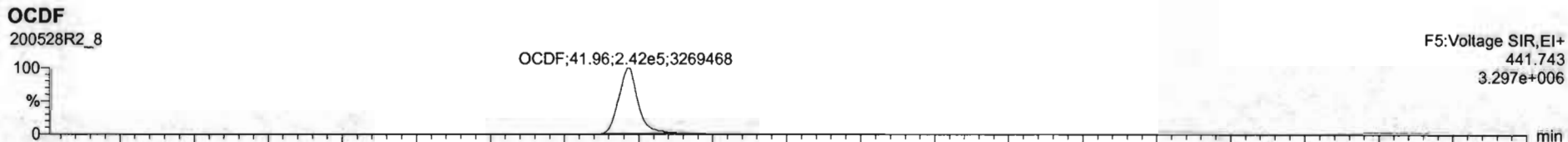
SL	Name	Resp	RA	nfy	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.82	NO	0.9081	1.000	31.01	1.000	58.4	113	0.0622	58.4
3	1,2,3,4,7,8-HxCDD	2.56e5	1.22	NO	1.0334	1.000	24.86	1.000	58.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	24.99	1.000	58.0	116	0.105	58.0
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	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	0.0303	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	58.8
13	2,3,4,6,7,8-HxCDF	4.48e5	1.21	NO	0.9341	1.000	24.71	1.000	58.5	113	0.117	58.5
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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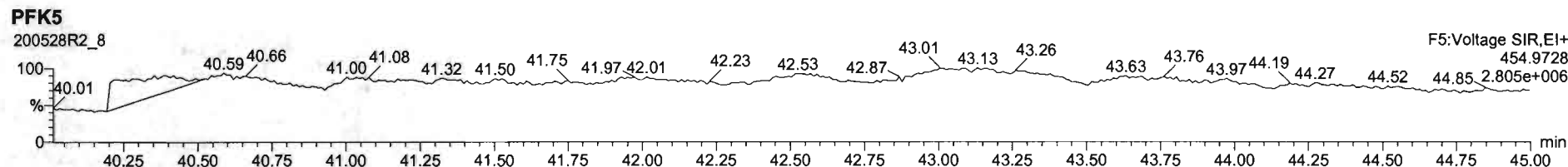
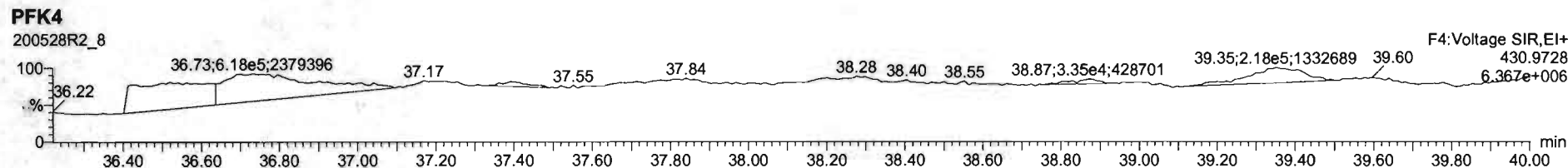
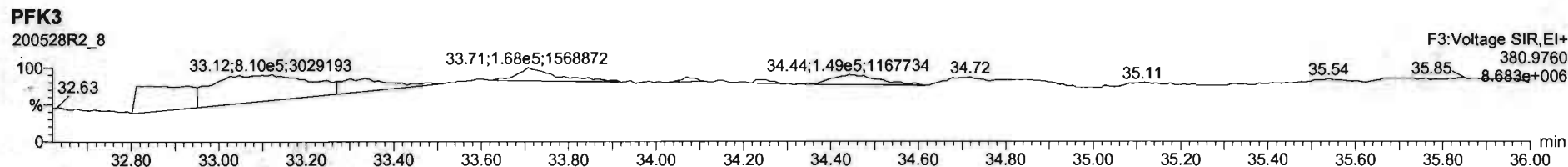
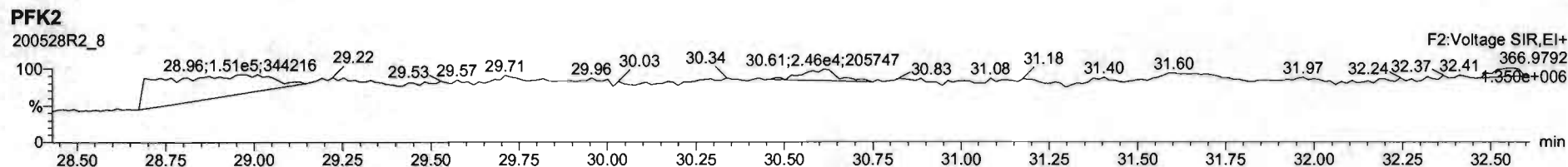
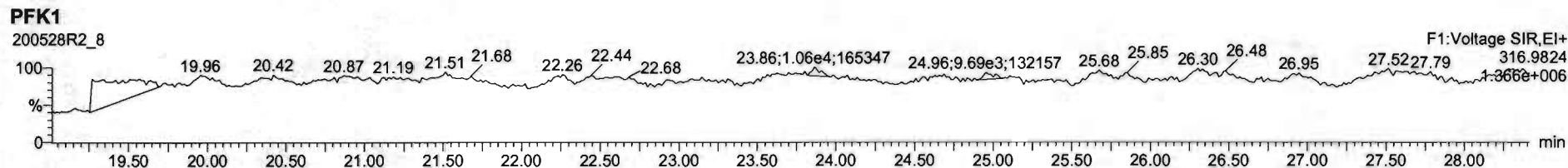
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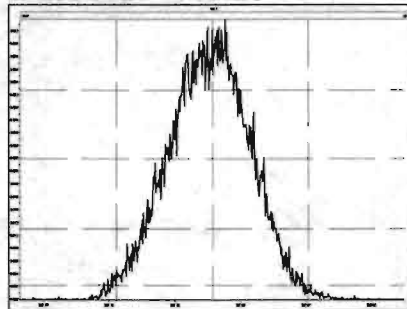
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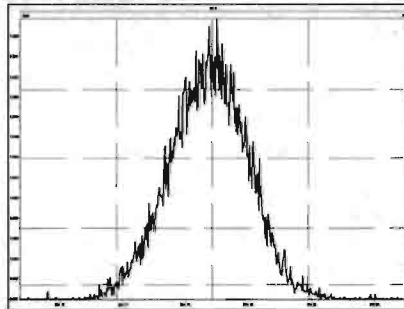
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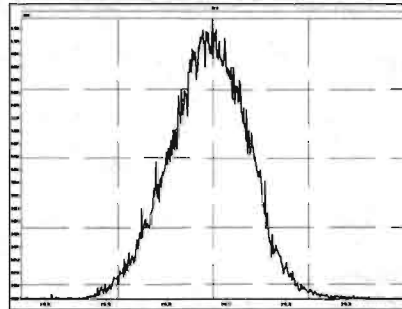
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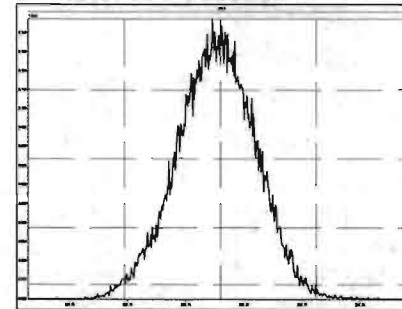
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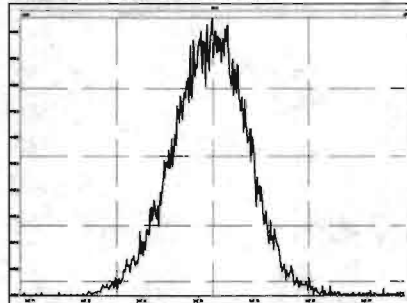
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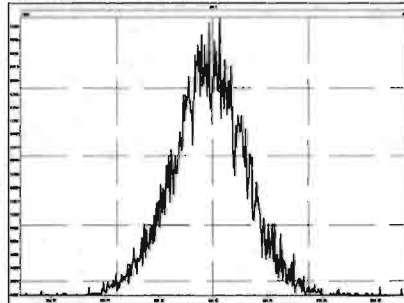
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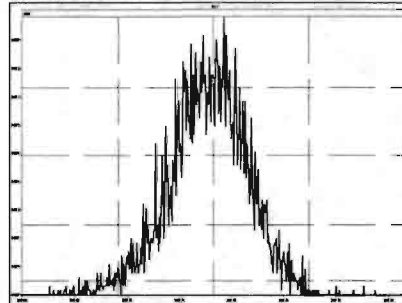
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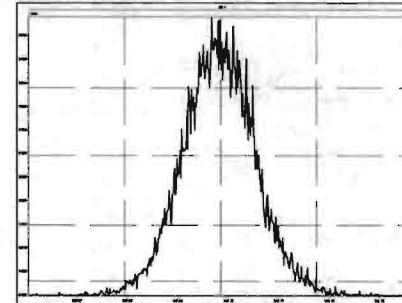
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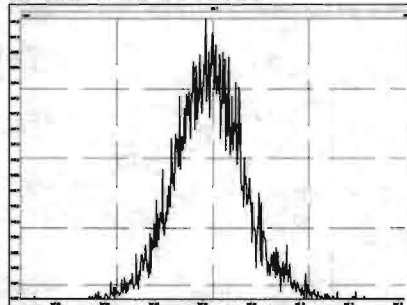
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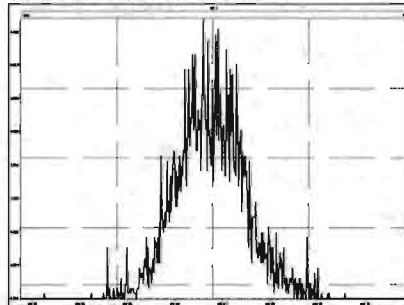
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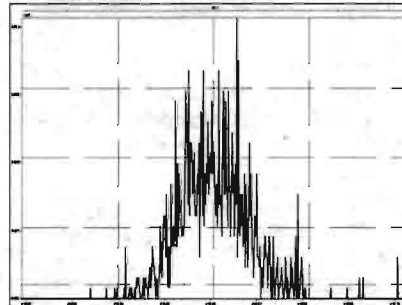
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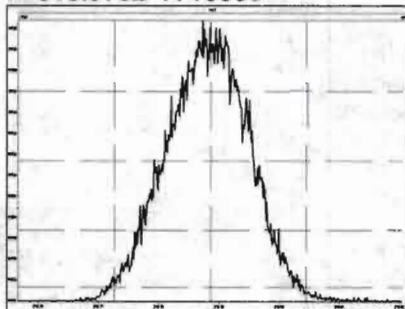
Experiment Calibration Report

MassLynx 4.1 SCN815

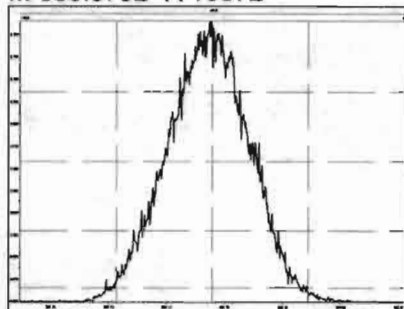
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:21 Pacific Daylight Time

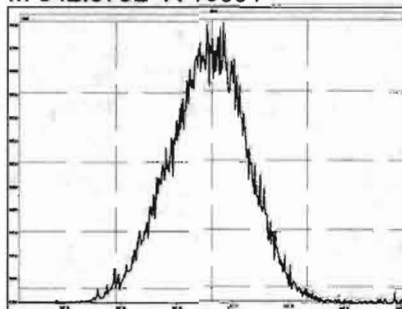
M 318.9792 R 10000



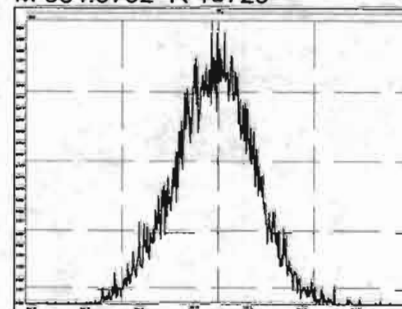
M 330.9792 R 10372



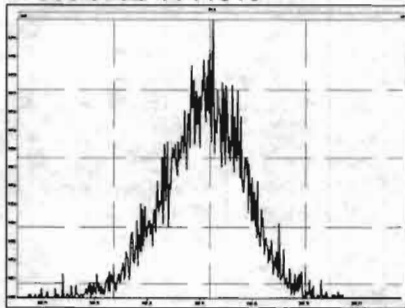
M 342.9792 R 10001



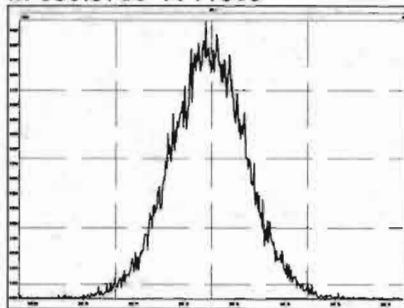
M 354.9792 R 10729



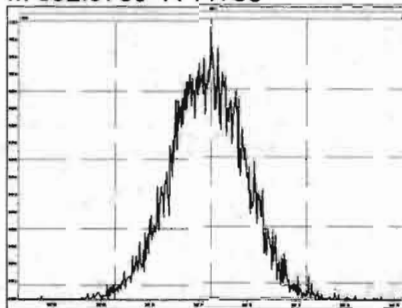
M 366.9792 R 11015



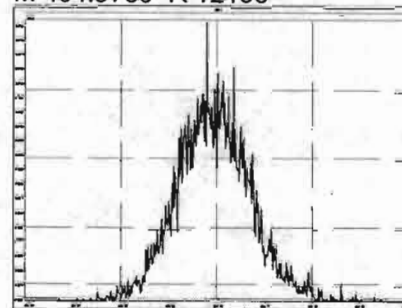
M 380.9760 R 11009



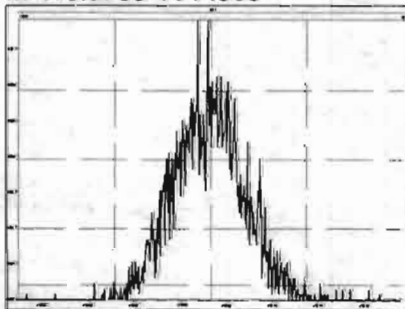
M 392.9760 R 11735



M 404.9760 R 12196



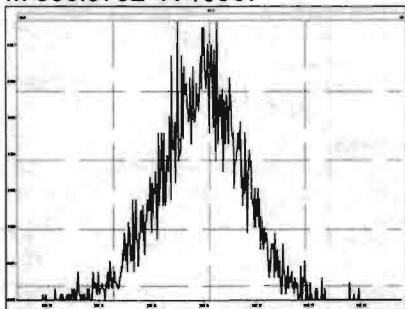
M 416.9760 R 14968



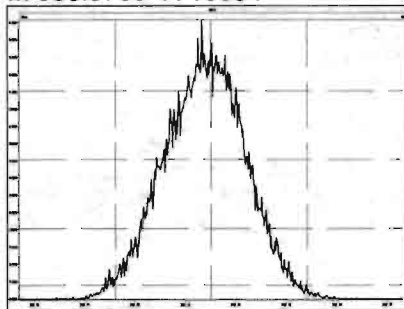
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:38 Pacific Daylight Time

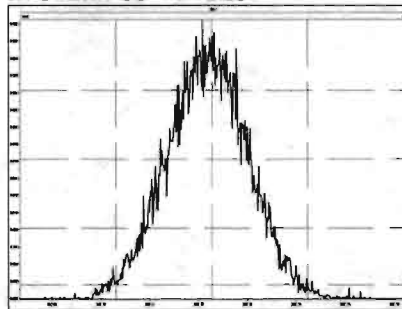
M 366.9792 R 10967



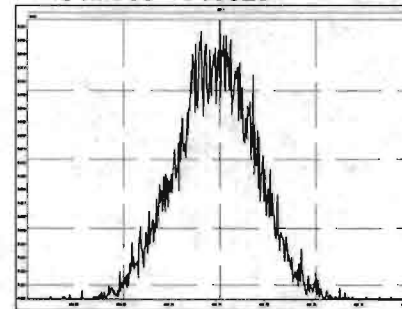
M 380.9760 R 10684



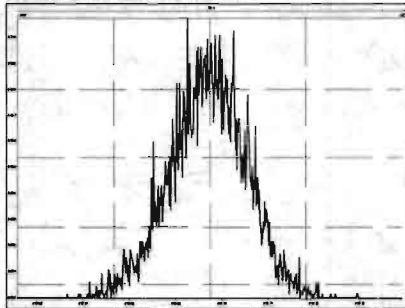
M 392.9760 R 10207



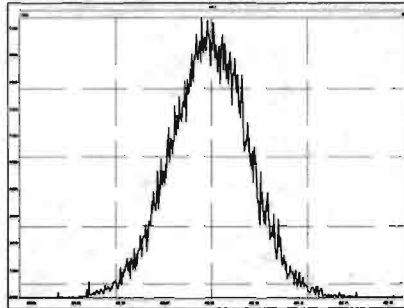
M 404.9760 R 10823



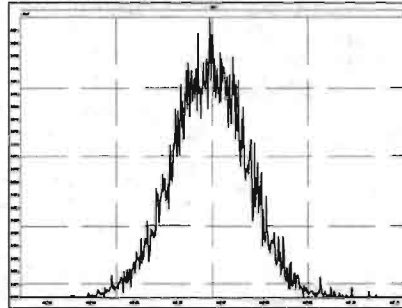
M 416.9760 R 11160



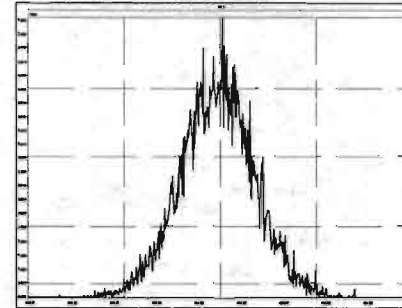
M 430.9728 R 11208



M 442.9728 R 12195



M 454.9728 R 10963



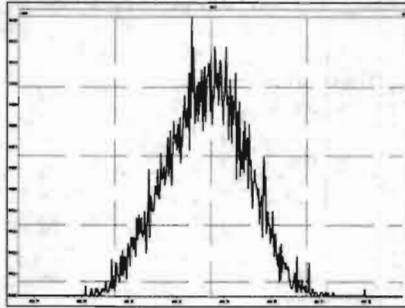
Experiment Calibration Report

MassLynx 4.1 SCN815

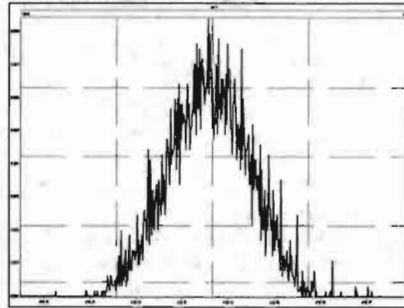
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:53 Pacific Daylight Time

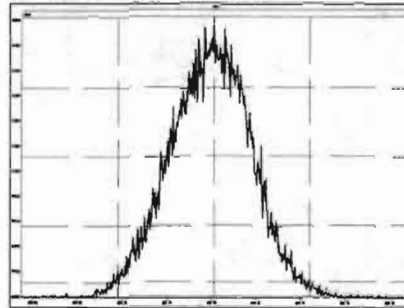
M 404.9760 R 10963



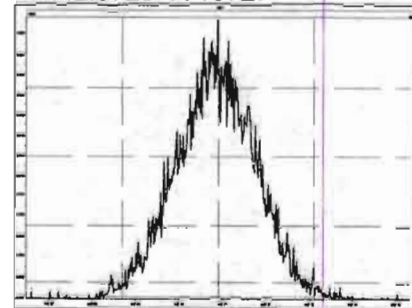
M 416.9760 R 10593



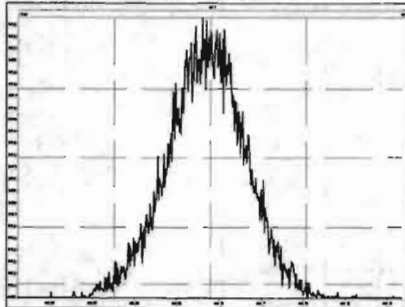
M 430.9728 R 10372



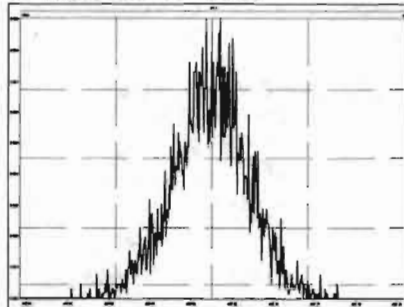
M 442.9728 R 10727



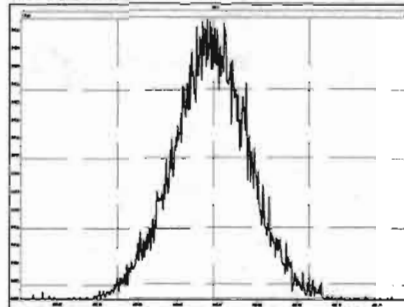
M 454.9728 R 11792



M 466.9728 R 12628



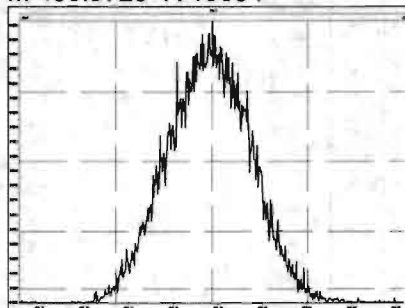
M 480.9696 R 11111



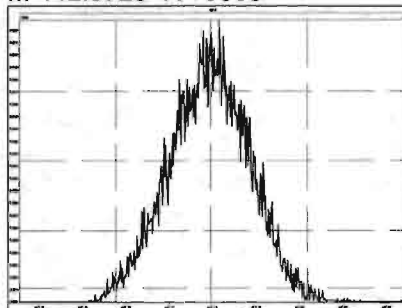
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:20:18 Pacific Daylight Time

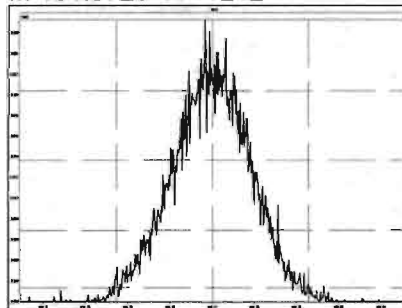
M 430.9728 R 10684



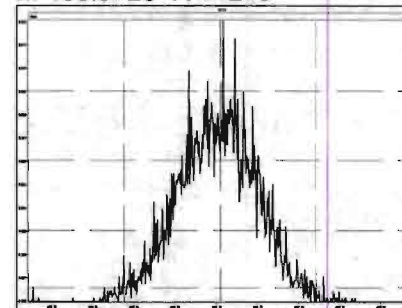
M 442.9728 R 10868



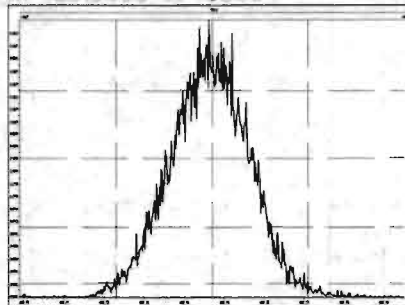
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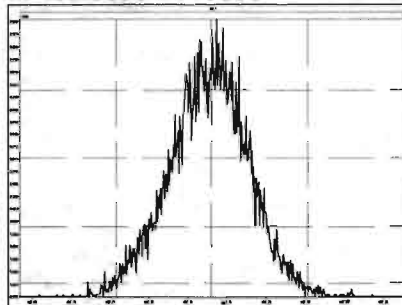
M 466.9728 R 11210



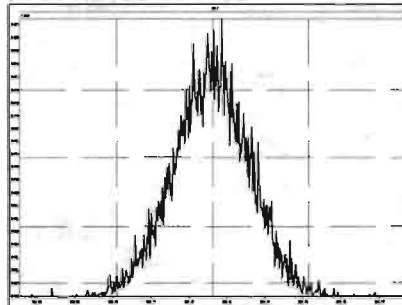
M 480.9696 R 10963



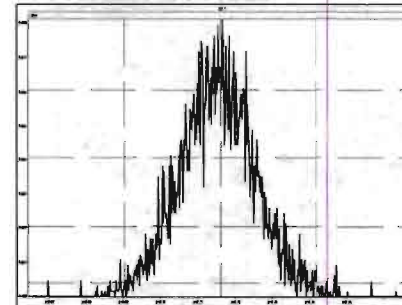
M 492.9696 R 10593



M 504.9696 R 11681



M 516.9697 R 11905



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
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DB 5/27/20 *0705/27/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Compound name: 2,3,7,8-TCDD

Response Factor: 0.986442

RRF SD: 0.13547, Relative SD: 13.7332

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	200526D2_2	0.250	0.87	NO	26.16	1.001	2.84e2	1.15e5	0.251	0.3	0.990	MM
2	200526D2_3	0.500	0.86	NO	26.19	1.001	6.01e2	1.13e5	0.540	8.1	1.07	bb
3	200526D2_4	2.00	0.78	NO	26.17	1.001	1.98e3	1.21e5	1.66	-16.8	0.820	bb
4	200526D2_5	10.0	0.82	NO	26.19	1.001	1.00e4	1.15e5	8.86	-11.4	0.874	db
5	200526D2_6	40.0	0.80	NO	26.19	1.001	4.74e4	1.22e5	39.4	-1.6	0.970	bb
6	200526D2_7	300	0.80	NO	26.19	1.001	3.68e5	1.02e5	364	21.5	1.20	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.963666

RRF SD: 0.129338, Relative SD: 13.4215

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	200526D2_2	1.25	0.63	NO	30.61	1.000	8.84e2	8.06e4	1.14	-9.0	0.877	bb
2	200526D2_3	2.50	0.67	NO	30.63	1.001	2.07e3	8.18e4	2.63	5.2	1.01	bb
3	200526D2_4	10.0	0.61	NO	30.63	1.001	7.46e3	8.84e4	8.76	-12.4	0.844	bb
4	200526D2_5	50.0	0.62	NO	30.63	1.001	3.66e4	8.41e4	45.2	-9.6	0.871	bb
5	200526D2_6	200	0.62	NO	30.63	1.001	1.76e5	8.91e4	205	2.6	0.988	bb
6	200526D2_7	1500	0.63	NO	30.63	1.000	1.40e6	7.85e4	1850	23.2	1.19	bb

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Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.16246

RRF SD: 0.166976, Relative SD: 14.364

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	200526D2_2	1.25	1.27	NO	33.95	1.001	7.92e2	6.23e4	1.09	-12.5	1.02	bd
2	200526D2_3	2.50	1.28	NO	33.94	1.000	1.90e3	6.18e4	2.64	5.4	1.23	bd
3	200526D2_4	10.0	1.21	NO	33.95	1.000	6.57e3	6.66e4	8.48	-15.2	0.986	bd
4	200526D2_5	50.0	1.26	NO	33.95	1.000	3.52e4	6.49e4	46.6	-6.7	1.08	bd
5	200526D2_6	200	1.25	NO	33.95	1.000	1.72e5	7.00e4	212	5.8	1.23	bd
6	200526D2_7	1500	1.25	NO	33.96	1.000	1.43e6	6.66e4	1850	23.2	1.43	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.00759

RRF SD: 0.120605, Relative SD: 11.9697

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	200526D2_2	1.25	1.12	NO	34.05	1.000	8.39e2	7.10e4	1.17	-6.1	0.946	db
2	200526D2_3	2.50	1.30	NO	34.06	1.000	1.99e3	7.22e4	2.73	9.2	1.10	db
3	200526D2_4	10.0	1.22	NO	34.06	1.001	6.99e3	7.92e4	8.76	-12.4	0.883	db
4	200526D2_5	50.0	1.29	NO	34.06	1.001	3.48e4	7.68e4	44.9	-10.2	0.905	db
5	200526D2_6	200	1.25	NO	34.06	1.000	1.70e5	8.35e4	202	1.0	1.02	db
6	200526D2_7	1500	1.23	NO	34.07	1.000	1.38e6	7.72e4	1780	18.4	1.19	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.00838

RRF SD: 0.138343, Relative SD: 13.7193

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	200526D2_2	1.25	1.26	NO	34.37	1.001	7.73e2	6.94e4	1.10	-11.7	0.890	bb
2	200526D2_3	2.50	1.15	NO	34.34	1.000	2.00e3	7.14e4	2.78	11.2	1.12	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time

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Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	10.0	1.24	NO	34.36	1.000	6.73e3	7.54e4	8.84	-11.6	0.892	bb
4	200526D2_5	50.0	1.26	NO	34.36	1.000	3.36e4	7.47e4	44.6	-10.7	0.900	bb
5	200526D2_6	200	1.26	NO	34.36	1.000	1.67e5	8.10e4	204	2.2	1.03	bb
6	200526D2_7	1500	1.24	NO	34.37	1.000	1.39e6	7.61e4	1810	20.6	1.22	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.996525

RRF SD: 0.136501, Relative SD: 13.6977

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Fresp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.15	NO	37.78	1.000	6.60e2	5.48e4	1.21	-3.3	0.963	bb
2	200526D2_3	2.50	0.96	NO	37.79	1.000	1.56e3	5.77e4	2.71	8.6	1.08	bb
3	200526D2_4	10.0	1.16	NO	37.79	1.000	5.03e3	5.98e4	8.44	-15.6	0.841	bb
4	200526D2_5	50.0	1.03	NO	37.79	1.000	2.77e4	6.34e4	43.9	-12.2	0.875	bd
5	200526D2_6	200	1.01	NO	37.79	1.000	1.37e5	6.79e4	202	1.1	1.01	bb
6	200526D2_7	1500	1.03	NO	37.80	1.000	1.16e6	6.37e4	1820	21.4	1.21	bb

Compound name: OCDD

Response Factor: 1.01327

RRF SD: 0.124347, Relative SD: 12.2718

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	200526D2_2	2.50	0.88	NO	41.07	1.000	1.13e3	1.01e5	2.21	-11.8	0.894	MM
2	200526D2_3	5.00	0.83	NO	41.09	1.000	2.77e3	1.05e5	5.22	4.3	1.06	bd
3	200526D2_4	20.0	0.87	NO	41.09	1.000	9.83e3	1.09e5	17.7	-11.4	0.897	bd
4	200526D2_5	100	0.89	NO	41.09	1.000	5.26e4	1.13e5	92.2	-7.8	0.934	bd
5	200526D2_6	400	0.87	NO	41.10	1.001	2.65e5	1.20e5	434	8.6	1.10	bd
6	200526D2_7	3000	0.89	NO	41.12	1.000	2.27e6	1.27e5	3540	18.2	1.20	bb

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Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Compound name: 2,3,7,8-TCDF

Response Factor: 0.833401

RRF SD: 0.120463, Relative SD: 14.4544

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	200526D2_2	0.250	0.88	NO	25.39	1.001	3.10e2	1.74e5	0.214	-14.3	0.714	bb
2	200526D2_3	0.500	0.67	NO	25.39	1.000	7.87e2	1.69e5	0.558	11.6	0.930	bb
3	200526D2_4	2.00	0.69	NO	25.42	1.001	2.82e3	1.83e5	1.85	-7.3	0.772	bb
4	200526D2_5	10.0	0.75	NO	25.41	1.001	1.34e4	1.83e5	8.77	-12.3	0.731	bb
5	200526D2_6	40.0	0.75	NO	25.42	1.001	6.45e4	1.93e5	40.0	0.0	0.833	bb
6	200526D2_7	300	0.77	NO	25.42	1.001	5.10e5	1.67e5	367	22.4	1.02	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.964878

RRF SD: 0.13273, Relative SD: 13.7562

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	200526D2_2	1.25	1.49	NO	29.44	1.000	1.40e3	1.35e5	1.07	-14.1	0.829	bb
2	200526D2_3	2.50	1.57	NO	29.46	1.001	3.25e3	1.31e5	2.58	3.3	0.997	bb
3	200526D2_4	10.0	1.58	NO	29.46	1.001	1.19e4	1.42e5	8.69	-13.1	0.838	bd
4	200526D2_5	50.0	1.57	NO	29.46	1.001	6.36e4	1.39e5	47.4	-5.2	0.915	bb
5	200526D2_6	200	1.59	NO	29.46	1.000	3.04e5	1.47e5	214	7.0	1.03	bb
6	200526D2_7	1500	1.58	NO	29.48	1.001	2.35e6	1.33e5	1830	22.1	1.18	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.00958

RRF SD: 0.125614, Relative SD: 12.4421

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	200526D2_2	1.25	1.77	NO	30.33	1.000	1.52e3	1.28e5	1.17	-6.2	0.947	MM
2	200526D2_3	2.50	1.76	NO	30.35	1.001	3.23e3	1.24e5	2.58	3.3	1.04	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
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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	200526D2_4	10.0	1.67	NO	30.35	1.001	1.19e4	1.40e5	8.42	-15.8	0.850	bb
4	200526D2_5	50.0	1.58	NO	30.35	1.001	6.33e4	1.33e5	47.2	-5.5	0.954	bb
5	200526D2_6	200	1.59	NO	30.35	1.001	3.00e5	1.44e5	207	3.3	1.04	bb
6	200526D2_7	1500	1.57	NO	30.35	1.000	2.35e6	1.29e5	1810	20.9	1.22	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.09486
 RRF SD: 0.132448, Relative SD: 12.0973
 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	200526D2_2	1.25	1.40	NO	33.04	1.000	1.15e3	9.20e4	1.14	-8.7	1.00	bd
2	200526D2_3	2.50	1.30	NO	33.05	1.000	2.67e3	9.26e4	2.63	5.3	1.15	bd
3	200526D2_4	10.0	1.20	NO	33.05	1.000	9.98e3	1.02e5	8.93	-10.7	0.977	bd
4	200526D2_5	50.0	1.27	NO	33.05	1.000	4.90e4	1.00e5	44.7	-10.5	0.980	bd
5	200526D2_6	200	1.26	NO	33.05	1.000	2.51e5	1.09e5	211	5.3	1.15	dd
6	200526D2_7	1500	1.25	NO	33.06	1.000	1.98e6	1.01e5	1790	19.4	1.31	dd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.06552
 RRF SD: 0.142006, Relative SD: 13.3275
 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	200526D2_2	1.25	1.13	NO	33.17	1.000	1.12e3	9.80e4	1.07	-14.3	0.913	db
2	200526D2_3	2.50	1.24	NO	33.18	1.000	2.72e3	9.78e4	2.61	4.4	1.11	db
3	200526D2_4	10.0	1.28	NO	33.18	1.001	1.01e4	1.06e5	8.96	-10.4	0.954	db
4	200526D2_5	50.0	1.24	NO	33.18	1.001	5.13e4	1.04e5	46.1	-7.8	0.982	db
5	200526D2_6	200	1.26	NO	33.18	1.000	2.59e5	1.14e5	214	7.0	1.14	db
6	200526D2_7	1500	1.25	NO	33.19	1.001	2.01e6	1.04e5	1820	21.1	1.29	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.15441

RRF SD: 0.159568, Relative SD: 13.8224

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	200526D2_2	1.25	1.33	NO	33.77	1.001	1.11e3	8.65e4	1.12	-10.8	1.03	bb
2	200526D2_3	2.50	1.26	NO	33.79	1.001	2.72e3	8.89e4	2.65	6.0	1.22	bb
3	200526D2_4	10.0	1.23	NO	33.77	1.000	9.76e3	9.72e4	8.69	-13.1	1.00	bb
4	200526D2_5	50.0	1.25	NO	33.79	1.001	5.01e4	9.79e4	44.4	-11.3	1.02	bb
5	200526D2_6	200	1.26	NO	33.77	1.000	2.53e5	1.01e5	217	8.3	1.25	bb
6	200526D2_7	1500	1.25	NO	33.79	1.000	2.03e6	9.68e4	1810	20.9	1.40	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.11431

RRF SD: 0.13751, Relative SD: 12.3403

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	200526D2_2	1.25	1.17	NO	34.73	1.000	9.51e2	7.27e4	1.17	-6.1	1.05	bb
2	200526D2_3	2.50	1.32	NO	34.74	1.000	2.35e3	7.77e4	2.72	8.7	1.21	bb
3	200526D2_4	10.0	1.26	NO	34.74	1.001	8.16e3	8.28e4	8.84	-11.6	0.985	bb
4	200526D2_5	50.0	1.27	NO	34.74	1.000	4.08e4	8.50e4	43.0	-14.0	0.958	bb
5	200526D2_6	200	1.30	NO	34.74	1.000	2.06e5	8.72e4	213	6.3	1.18	bb
6	200526D2_7	1500	1.26	NO	34.75	1.001	1.69e6	8.66e4	1750	16.7	1.30	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.15744

RRF SD: 0.161839, Relative SD: 13.9825

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	200526D2_2	1.25	1.02	NO	36.59	1.000	8.87e2	6.85e4	1.12	-10.5	1.04	bb
2	200526D2_3	2.50	1.00	NO	36.61	1.001	2.17e3	6.95e4	2.70	8.2	1.25	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	200526D2_4	10.0	1.03	NO	36.59	1.000	7.62e3	7.52e4	8.76	-12.4	1.01	bb
4	200526D2_5	50.0	1.03	NO	36.61	1.001	3.96e4	7.76e4	44.2	-11.7	1.02	bb
5	200526D2_6	200	1.04	NO	36.61	1.000	1.97e5	8.15e4	209	4.3	1.21	bb
6	200526D2_7	1500	1.02	NO	36.62	1.001	1.65e6	7.78e4	1830	22.2	1.41	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.34996

RRF SD: 0.206408, Relative SD: 15.2899

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	200526D2_2	1.25	0.99	NO	38.34	1.001	6.79e2	4.95e4	1.02	-18.7	1.10	bb
2	200526D2_3	2.50	1.07	NO	38.34	1.000	1.93e3	5.07e4	2.81	12.5	1.52	bb
3	200526D2_4	10.0	0.93	NO	38.34	1.000	6.48e3	5.43e4	8.84	-11.6	1.19	bb
4	200526D2_5	50.0	1.02	NO	38.34	1.001	3.49e4	5.65e4	45.8	-8.4	1.24	bb
5	200526D2_6	200	1.03	NO	38.34	1.000	1.72e5	6.06e4	211	5.4	1.42	bb
6	200526D2_7	1500	1.02	NO	38.34	1.000	1.48e6	6.04e4	1810	20.7	1.63	bb

Compound name: OCDF

Response Factor: 0.94897

RRF SD: 0.11777, Relative SD: 12.4103

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	200526D2_2	2.50	0.88	NO	41.31	1.000	1.33e3	1.17e5	2.39	-4.4	0.907	bb
2	200526D2_3	5.00	0.90	NO	41.33	1.001	3.26e3	1.25e5	5.47	9.5	1.04	bb
3	200526D2_4	20.0	0.86	NO	41.32	1.001	1.08e4	1.37e5	16.6	-17.0	0.788	bb
4	200526D2_5	100	0.94	NO	41.31	1.000	5.99e4	1.39e5	90.9	-9.1	0.862	bd
5	200526D2_6	400	0.90	NO	41.32	1.000	3.09e5	1.55e5	419	4.7	0.994	bb
6	200526D2_7	3000	0.89	NO	41.33	1.000	2.67e6	1.61e5	3490	16.3	1.10	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.25927

RRF SD: 0.0242426, Relative SD: 1.92513

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	200526D2_2	100	0.80	NO	26.14	1.022	1.15e5	9.16e4	99.4	-0.6	1.25	bb
2	200526D2_3	100	0.81	NO	26.16	1.021	1.13e5	8.84e4	101	1.2	1.27	bb
3	200526D2_4	100	0.79	NO	26.16	1.021	1.21e5	9.44e4	102	1.5	1.28	bb
4	200526D2_5	100	0.78	NO	26.16	1.021	1.15e5	9.24e4	98.8	-1.2	1.24	bb
5	200526D2_6	100	0.78	NO	26.17	1.022	1.22e5	9.49e4	102	2.1	1.29	bb
6	200526D2_7	100	0.78	NO	26.17	1.022	1.02e5	8.37e4	97.1	-2.9	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.921299

RRF SD: 0.0229711, Relative SD: 2.49334

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	200526D2_2	100	0.63	NO	30.61	1.196	8.06e4	9.16e4	95.5	-4.5	0.880	bb
2	200526D2_3	100	0.62	NO	30.61	1.195	8.18e4	8.84e4	100	0.4	0.925	bb
3	200526D2_4	100	0.61	NO	30.61	1.195	8.84e4	9.44e4	102	1.7	0.937	bb
4	200526D2_5	100	0.63	NO	30.61	1.195	8.41e4	9.24e4	98.8	-1.2	0.910	bb
5	200526D2_6	100	0.62	NO	30.61	1.195	8.91e4	9.49e4	102	1.8	0.938	bb
6	200526D2_7	100	0.62	NO	30.63	1.196	7.85e4	8.37e4	102	1.8	0.938	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.707189

RRF SD: 0.0212274, Relative SD: 3.00166

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	200526D2_2	100	1.37	NO	33.93	1.014	6.23e4	8.64e4	102	1.9	0.721	bd
2	200526D2_3	100	1.35	NO	33.94	1.014	6.18e4	8.85e4	98.8	-1.2	0.699	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	200526D2_4	100	1.30	NO	33.94	1.015	6.66e4	9.66e4	97.5	-2.5	0.689	bd
4	200526D2_5	100	1.33	NO	33.94	1.014	6.49e4	9.47e4	96.9	-3.1	0.685	bd
5	200526D2_6	100	1.27	NO	33.94	1.014	7.00e4	9.90e4	100	0.0	0.707	bd
6	200526D2_7	100	1.32	NO	33.95	1.014	6.66e4	8.98e4	105	4.9	0.742	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.828565

RRF SD: 0.0188377, Relative SD: 2.27353

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	200526D2_2	100	1.30	NO	34.04	1.018	7.10e4	8.64e4	99.2	-0.8	0.822	db
2	200526D2_3	100	1.29	NO	34.05	1.018	7.22e4	8.85e4	98.4	-1.6	0.816	db
3	200526D2_4	100	1.32	NO	34.04	1.018	7.92e4	9.66e4	98.9	-1.1	0.820	db
4	200526D2_5	100	1.35	NO	34.04	1.017	7.68e4	9.47e4	97.9	-2.1	0.812	db
5	200526D2_6	100	1.35	NO	34.05	1.018	8.35e4	9.90e4	102	1.8	0.843	db
6	200526D2_7	100	1.33	NO	34.06	1.018	7.72e4	8.98e4	104	3.8	0.860	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.807923

RRF SD: 0.0238515, Relative SD: 2.95219

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	200526D2_2	100	1.27	NO	34.33	1.027	6.94e4	8.64e4	99.5	-0.5	0.804	bb
2	200526D2_3	100	1.30	NO	34.34	1.027	7.14e4	8.85e4	99.8	-0.2	0.806	bb
3	200526D2_4	100	1.32	NO	34.34	1.027	7.54e4	9.66e4	96.6	-3.4	0.781	bb
4	200526D2_5	100	1.30	NO	34.34	1.027	7.47e4	9.47e4	97.7	-2.3	0.790	bd
5	200526D2_6	100	1.33	NO	34.34	1.027	8.10e4	9.90e4	101	1.4	0.819	bd
6	200526D2_7	100	1.28	NO	34.36	1.027	7.61e4	8.98e4	105	5.0	0.848	bb

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

Response Factor: 0.661788

RRF SD: 0.0338299, Relative SD: 5.11189

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	200526D2_2	100	1.03	NO	37.78	1.130	5.48e4	8.64e4	95.8	-4.2	0.634	bb
2	200526D2_3	100	1.07	NO	37.79	1.130	5.77e4	8.85e4	98.5	-1.5	0.652	bd
3	200526D2_4	100	1.09	NO	37.78	1.130	5.98e4	9.66e4	93.5	-6.5	0.619	bd
4	200526D2_5	100	1.05	NO	37.78	1.129	6.34e4	9.47e4	101	1.2	0.669	bd
5	200526D2_6	100	1.08	NO	37.78	1.129	6.79e4	9.90e4	104	3.7	0.687	bd
6	200526D2_7	100	1.02	NO	37.79	1.129	6.37e4	8.98e4	107	7.3	0.710	bb

Compound name: 13C-OCDD

Response Factor: 0.608407

RRF SD: 0.049423, Relative SD: 8.12335

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	200526D2_2	200	0.90	NO	41.07	1.228	1.01e5	8.64e4	192	-4.0	0.584	bd
2	200526D2_3	200	0.91	NO	41.08	1.228	1.05e5	8.85e4	194	-2.8	0.591	bd
3	200526D2_4	200	0.90	NO	41.08	1.228	1.09e5	9.66e4	186	-6.9	0.567	bb
4	200526D2_5	200	0.91	NO	41.08	1.228	1.13e5	9.47e4	196	-2.2	0.595	bb
5	200526D2_6	200	0.88	NO	41.08	1.228	1.20e5	9.90e4	200	-0.1	0.608	bb
6	200526D2_7	200	0.90	NO	41.10	1.228	1.27e5	8.98e4	232	15.9	0.705	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.06769

RRF SD: 0.0327362, Relative SD: 3.06607

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	200526D2_2	100	0.81	NO	25.38	0.992	1.74e5	1.63e5	99.9	-0.1	1.07	bb
2	200526D2_3	100	0.80	NO	25.39	0.992	1.69e5	1.56e5	102	1.7	1.09	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	200526D2_4	100	0.77	NO	25.39	0.991	1.83e5	1.74e5	98.6	-1.4	1.05	bb
4	200526D2_5	100	0.82	NO	25.39	0.992	1.83e5	1.66e5	103	3.3	1.10	bd
5	200526D2_6	100	0.79	NO	25.39	0.992	1.93e5	1.78e5	102	1.7	1.09	bb
6	200526D2_7	100	0.79	NO	25.39	0.992	1.67e5	1.65e5	94.7	-5.3	1.01	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.825913

RRF SD: 0.0132817, Relative SD: 1.60813

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	200526D2_2	100	1.69	NO	29.44	1.150	1.35e5	1.63e5	101	0.5	0.830	bb
2	200526D2_3	100	1.61	NO	29.44	1.150	1.31e5	1.56e5	101	1.4	0.837	bb
3	200526D2_4	100	1.66	NO	29.44	1.149	1.42e5	1.74e5	98.7	-1.3	0.815	bb
4	200526D2_5	100	1.67	NO	29.44	1.150	1.39e5	1.66e5	102	1.7	0.840	bb
5	200526D2_6	100	1.78	NO	29.46	1.151	1.47e5	1.78e5	100	0.2	0.828	MM
6	200526D2_7	100	1.61	NO	29.46	1.151	1.33e5	1.65e5	97.5	-2.5	0.805	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.795997

RRF SD: 0.0108298, Relative SD: 1.36054

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	200526D2_2	100	1.71	NO	30.33	1.185	1.28e5	1.63e5	98.9	-1.1	0.787	bb
2	200526D2_3	100	1.61	NO	30.33	1.184	1.24e5	1.56e5	99.8	-0.2	0.795	bb
3	200526D2_4	100	1.68	NO	30.33	1.184	1.40e5	1.74e5	101	1.1	0.804	bb
4	200526D2_5	100	1.69	NO	30.33	1.184	1.33e5	1.66e5	101	0.6	0.801	bb
5	200526D2_6	100	1.64	NO	30.33	1.184	1.44e5	1.78e5	102	1.6	0.809	bb
6	200526D2_7	100	1.68	NO	30.35	1.185	1.29e5	1.65e5	98.0	-2.0	0.780	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.07518

RRF SD: 0.0306015, Relative SD: 2.84619

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	200526D2_2	100	0.50	NO	33.03	0.988	9.20e4	8.64e4	99.1	-0.9	1.07	bd
2	200526D2_3	100	0.49	NO	33.04	0.988	9.26e4	8.85e4	97.3	-2.7	1.05	bd
3	200526D2_4	100	0.50	NO	33.04	0.988	1.02e5	9.66e4	98.2	-1.8	1.06	bd
4	200526D2_5	100	0.48	NO	33.04	0.988	1.00e5	9.47e4	98.3	-1.7	1.06	bd
5	200526D2_6	100	0.50	NO	33.04	0.988	1.09e5	9.90e4	102	2.5	1.10	bd
6	200526D2_7	100	0.51	NO	33.05	0.988	1.01e5	8.98e4	105	4.5	1.12	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.12454

RRF SD: 0.0257818, Relative SD: 2.29265

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	200526D2_2	100	0.50	NO	33.16	0.991	9.80e4	8.64e4	101	0.9	1.14	db
2	200526D2_3	100	0.49	NO	33.17	0.991	9.78e4	8.85e4	98.2	-1.8	1.10	db
3	200526D2_4	100	0.49	NO	33.16	0.991	1.06e5	9.66e4	97.6	-2.4	1.10	db
4	200526D2_5	100	0.50	NO	33.16	0.991	1.04e5	9.47e4	98.1	-1.9	1.10	db
5	200526D2_6	100	0.50	NO	33.17	0.991	1.14e5	9.90e4	102	2.2	1.15	db
6	200526D2_7	100	0.50	NO	33.17	0.991	1.04e5	8.98e4	103	2.9	1.16	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02476

RRF SD: 0.0294028, Relative SD: 2.86925

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	200526D2_2	100	0.50	NO	33.75	1.009	8.65e4	8.64e4	97.7	-2.3	1.00	bb
2	200526D2_3	100	0.50	NO	33.76	1.009	8.89e4	8.85e4	98.0	-2.0	1.00	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	200526D2_4	100	0.50	NO	33.76	1.010	9.72e4	9.66e4	98.2	-1.8	1.01	bb
4	200526D2_5	100	0.51	NO	33.76	1.009	9.79e4	9.47e4	101	0.9	1.03	bb
5	200526D2_6	100	0.51	NO	33.76	1.009	1.01e5	9.90e4	99.9	-0.1	1.02	bb
6	200526D2_7	100	0.49	NO	33.77	1.009	9.68e4	8.98e4	105	5.3	1.08	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.886846

RRF SD: 0.0429436, Relative SD: 4.84229

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	200526D2_2	100	0.50	NO	34.72	1.038	7.27e4	8.64e4	95.0	-5.0	0.842	bd
2	200526D2_3	100	0.48	NO	34.73	1.038	7.77e4	8.85e4	98.9	-1.1	0.877	bb
3	200526D2_4	100	0.50	NO	34.72	1.038	8.28e4	9.66e4	96.7	-3.3	0.857	bb
4	200526D2_5	100	0.51	NO	34.73	1.038	8.50e4	9.47e4	101	1.3	0.898	bb
5	200526D2_6	100	0.49	NO	34.73	1.038	8.72e4	9.90e4	99.3	-0.7	0.881	bb
6	200526D2_7	100	0.49	NO	34.73	1.038	8.66e4	8.98e4	109	8.8	0.965	bb

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

Response Factor: 0.810858

RRF SD: 0.0328072, Relative SD: 4.04598

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	200526D2_2	100	0.46	NO	36.58	1.094	6.85e4	8.64e4	97.8	-2.2	0.793	bd
2	200526D2_3	100	0.43	NO	36.58	1.093	6.95e4	8.85e4	96.8	-3.2	0.785	bb
3	200526D2_4	100	0.42	NO	36.58	1.094	7.52e4	9.66e4	95.9	-4.1	0.778	bb
4	200526D2_5	100	0.43	NO	36.58	1.093	7.76e4	9.47e4	101	1.1	0.819	bb
5	200526D2_6	100	0.44	NO	36.59	1.094	8.15e4	9.90e4	102	1.5	0.823	bb
6	200526D2_7	100	0.44	NO	36.59	1.093	7.78e4	8.98e4	107	6.8	0.866	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.598269

RRF SD: 0.0407134, Relative SD: 6.8052

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	200526D2_2	100	0.44	NO	38.32	1.146	4.95e4	8.64e4	95.8	-4.2	0.573	bb
2	200526D2_3	100	0.41	NO	38.33	1.146	5.07e4	8.85e4	95.8	-4.2	0.573	bb
3	200526D2_4	100	0.44	NO	38.33	1.146	5.43e4	9.66e4	94.0	-6.0	0.562	bb
4	200526D2_5	100	0.43	NO	38.32	1.145	5.65e4	9.47e4	99.7	-0.3	0.596	bb
5	200526D2_6	100	0.41	NO	38.33	1.146	6.06e4	9.90e4	102	2.3	0.612	bb
6	200526D2_7	100	0.44	NO	38.34	1.146	6.04e4	8.98e4	112	12.4	0.673	bb

Compound name: 13C-OCDF

Response Factor: 0.752175

RRF SD: 0.0804491, Relative SD: 10.6955

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	200526D2_2	200	0.92	NO	41.30	1.235	1.17e5	8.64e4	180	-10.0	0.677	bb
2	200526D2_3	200	0.91	NO	41.31	1.235	1.25e5	8.85e4	188	-5.9	0.708	bd
3	200526D2_4	200	0.88	NO	41.30	1.235	1.37e5	9.66e4	189	-5.6	0.710	bb
4	200526D2_5	200	0.89	NO	41.31	1.235	1.39e5	9.47e4	195	-2.4	0.734	bb
5	200526D2_6	200	0.88	NO	41.31	1.235	1.55e5	9.90e4	209	4.3	0.784	bb
6	200526D2_7	200	0.88	NO	41.32	1.235	1.61e5	8.98e4	239	19.6	0.899	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.24297

RRF SD: 0.0962716, Relative SD: 7.74527

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	200526D2_2	0.250			26.16	1.022	2.84e2	9.16e4	0.249	-0.3	1.24	bb
2	200526D2_3	0.500			26.17	1.022	5.32e2	8.84e4	0.484	-3.2	1.20	bb

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Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	2.00			26.19	1.022	2.19e3	9.44e4	1.87	-6.7	1.16	bb
4	200526D2_5	10.0			26.19	1.023	1.06e4	9.24e4	9.23	-7.7	1.15	bb
5	200526D2_6	40.0			26.19	1.023	4.98e4	9.49e4	42.2	5.5	1.31	bd
6	200526D2_7	200			26.19	1.023	2.34e5	8.37e4	225	12.5	1.40	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	200526D2_2	100	0.78	NO	25.59	1.000	9.16e4	9.16e4	100	0.0	1.00	bb
2	200526D2_3	100	0.80	NO	25.61	1.000	8.84e4	8.84e4	100	0.0	1.00	bb
3	200526D2_4	100	0.82	NO	25.62	1.000	9.44e4	9.44e4	100	0.0	1.00	bb
4	200526D2_5	100	0.78	NO	25.61	1.000	9.24e4	9.24e4	100	0.0	1.00	bb
5	200526D2_6	100	0.79	NO	25.61	1.000	9.49e4	9.49e4	100	0.0	1.00	bb
6	200526D2_7	100	0.81	NO	25.61	1.000	8.37e4	8.37e4	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	200526D2_2	100	0.80	NO	24.20	1.000	1.63e5	1.63e5	100	0.0	1.00	bd
2	200526D2_3	100	0.81	NO	24.20	1.000	1.56e5	1.56e5	100	0.0	1.00	bb
3	200526D2_4	100	0.77	NO	24.22	1.000	1.74e5	1.74e5	100	0.0	1.00	bb
4	200526D2_5	100	0.81	NO	24.22	1.000	1.66e5	1.66e5	100	0.0	1.00	bb
5	200526D2_6	100	0.78	NO	24.22	1.000	1.78e5	1.78e5	100	0.0	1.00	bb
6	200526D2_7	100	0.79	NO	24.22	1.000	1.65e5	1.65e5	100	0.0	1.00	bb

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Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.45	1.000	8.64e4	8.64e4	100	0.0	1.00	bb
2	200526D2_3	100	0.50	NO	33.46	1.000	8.85e4	8.85e4	100	0.0	1.00	bb
3	200526D2_4	100	0.50	NO	33.44	1.000	9.66e4	9.66e4	100	0.0	1.00	bb
4	200526D2_5	100	0.50	NO	33.46	1.000	9.47e4	9.47e4	100	0.0	1.00	bb
5	200526D2_6	100	0.50	NO	33.46	1.000	9.90e4	9.90e4	100	0.0	1.00	bb
6	200526D2_7	100	0.50	NO	33.47	1.000	8.98e4	8.98e4	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200526D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704

	# 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	2.84e2	0.87	NO	0.986	1.000	26.174	26.16	1.001	1.001	0.25082	100	0.0587	0.251
2	2 1,2,3,7,8-PeCDD	8.84e2	0.63	NO	0.964	1.000	30.630	30.61	1.001	1.000	1.1376	91.0	0.0494	1.14
3	3 1,2,3,4,7,8-HxCDD	7.92e2	1.27	NO	1.16	1.000	33.938	33.95	1.000	1.001	1.0939	87.5	0.126	1.09
4	4 1,2,3,6,7,8-HxCDD	8.39e2	1.12	NO	1.01	1.000	34.038	34.05	1.000	1.000	1.1739	93.9	0.129	1.17
5	5 1,2,3,7,8,9-HxCDD	7.73e2	1.26	NO	1.01	1.000	34.368	34.37	1.001	1.001	1.1033	88.3	0.130	1.10
6	6 1,2,3,4,6,7,8-HpCDD	6.60e2	1.15	NO	0.997	1.000	37.791	37.78	1.000	1.000	1.2084	96.7	0.151	1.21
7	7 OCDD	1.13e3	0.88	NO	1.01	1.000	41.071	41.07	1.000	1.000	2.2052	88.2	0.279	2.21
8	8 2,3,7,8-TCDF	3.10e2	0.88	NO	0.833	1.000	25.403	25.39	1.001	1.001	0.21415	85.7	0.0357	0.214
9	9 1,2,3,7,8-PeCDF	1.40e3	1.49	NO	0.965	1.000	29.462	29.44	1.001	1.000	1.0737	85.9	0.0327	1.07
10	10 2,3,4,7,8-PeCDF	1.52e3	1.77	NO	1.01	1.000	30.357	30.33	1.001	1.000	1.1730	93.8	0.0340	1.17
11	11 1,2,3,4,7,8-HxCDF	1.15e3	1.40	NO	1.09	1.000	33.028	33.04	1.000	1.000	1.1416	91.3	0.0944	1.14
12	12 1,2,3,6,7,8-HxCDF	1.12e3	1.13	NO	1.07	1.000	33.170	33.17	1.000	1.000	1.0716	85.7	0.0977	1.07
13	13 2,3,4,6,7,8-HxCDF	1.11e3	1.33	NO	1.15	1.000	33.786	33.77	1.001	1.001	1.1153	89.2	0.104	1.12
14	14 1,2,3,7,8,9-HxCDF	9.51e2	1.17	NO	1.11	1.000	34.718	34.73	1.000	1.000	1.1738	93.9	0.140	1.17
15	15 1,2,3,4,6,7,8-HpCDF	8.87e2	1.02	NO	1.16	1.000	36.620	36.59	1.001	1.000	1.1182	89.5	0.0807	1.12
16	16 1,2,3,4,7,8,9-HpCDF	6.79e2	0.99	NO	1.35	1.000	38.317	38.34	1.000	1.001	1.0165	81.3	0.0850	1.02
17	17 OCDF	1.33e3	0.88	NO	0.949	1.000	41.302	41.31	1.000	1.000	2.3903	95.6	0.0950	2.39
18	18 13C-2,3,7,8-TCDD	1.15e5	0.80	NO	1.26	1.000	26.257	26.14	1.026	1.022	99.358	99.4	0.221	
19	19 13C-1,2,3,7,8-PeCDD	8.06e4	0.63	NO	0.921	1.000	30.761	30.61	1.202	1.196	95.518	95.5	0.333	
20	20 13C-1,2,3,4,7,8-HxCDD	6.23e4	1.37	NO	0.707	1.000	33.913	33.93	1.014	1.014	101.95	102	0.450	
21	21 13C-1,2,3,6,7,8-HxCDD	7.10e4	1.30	NO	0.829	1.000	34.024	34.04	1.017	1.018	99.157	99.2	0.384	
22	22 13C-1,2,3,7,8,9-HxCDD	6.94e4	1.27	NO	0.808	1.000	34.295	34.33	1.025	1.027	99.532	99.5	0.394	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.48e4	1.03	NO	0.662	1.000	37.760	37.78	1.129	1.130	95.829	95.8	0.569	
24	24 13C-OCDD	1.01e5	0.90	NO	0.608	1.000	40.783	41.07	1.219	1.228	192.09	96.0	0.500	
25	25 13C-2,3,7,8-TCDF	1.74e5	0.81	NO	1.07	1.000	25.336	25.38	0.990	0.992	99.942	99.9	0.244	
26	26 13C-1,2,3,7,8-PeCDF	1.35e5	1.69	NO	0.826	1.000	29.576	29.44	1.156	1.150	100.54	101	0.377	
27	27 13C-2,3,4,7,8-PeCDF	1.28e5	1.71	NO	0.796	1.000	30.480	30.33	1.191	1.185	98.865	98.9	0.391	
28	28 13C-1,2,3,4,7,8-HxCDF	9.20e4	0.50	NO	1.08	1.000	33.044	33.03	0.988	0.988	99.129	99.1	0.373	
29	29 13C-1,2,3,6,7,8-HxCDF	9.80e4	0.50	NO	1.12	1.000	33.178	33.16	0.992	0.991	100.94	101	0.357	
30	30 13C-2,3,4,6,7,8-HxCDF	8.65e4	0.50	NO	1.02	1.000	33.750	33.75	1.009	1.009	97.733	97.7	0.391	
31	31 13C-1,2,3,7,8,9-HxCDF	7.27e4	0.50	NO	0.887	1.000	34.649	34.72	1.036	1.038	94.955	95.0	0.452	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704

	# 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	6.85e4	0.46	NO	0.811	1.000	36.355	36.58	1.087	1.094	97.849	97.8	0.526	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.95e4	0.44	NO	0.598	1.000	38.362	38.32	1.147	1.146	95.783	95.8	0.714	
34	34 13C-OCDF	1.17e5	0.92	NO	0.752	1.000	40.937	41.30	1.224	1.235	180.07	90.0	0.391	
35	35 37Cl-2,3,7,8-TCDD	2.84e2			1.24	1.000	26.254	26.16	1.026	1.022	0.24914	99.7	0.0830	
36	36 13C-1,2,3,4-TCDD	9.16e4	0.78	NO	1.00	1.000	25.480	25.59	1.000	1.000	100.00	100	0.279	
37	37 13C-1,2,3,4-TCDF	1.63e5	0.80	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.261	
38	38 13C-1,2,3,4,6,9-HxCDF	8.64e4	0.50	NO	1.00	1.000	33.530	33.45	1.000	1.000	100.00	100	0.401	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

#	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	6.01e2	0.86	NO	0.986	1.000	26.189	26.19	1.001	1.001	0.54033	108	0.0499	0.540
2	2 1,2,3,7,8-PeCDD	2.07e3	0.67	NO	0.964	1.000	30.630	30.63	1.001	1.001	2.6312	105	0.0478	2.63
3	3 1,2,3,4,7,8-HxCDD	1.90e3	1.28	NO	1.16	1.000	33.949	33.94	1.000	1.000	2.6361	105	0.161	2.64
4	4 1,2,3,6,7,8-HxCDD	1.99e3	1.30	NO	1.01	1.000	34.049	34.06	1.000	1.000	2.7300	109	0.152	2.73
5	5 1,2,3,7,8,9-HxCDD	2.00e3	1.15	NO	1.01	1.000	34.379	34.34	1.001	1.000	2.7806	111	0.168	2.78
6	6 1,2,3,4,6,7,8-HpCDD	1.56e3	0.96	NO	0.997	1.000	37.802	37.79	1.000	1.000	2.7143	109	0.130	2.71
7	7 OCDD	2.77e3	0.83	NO	1.01	1.000	41.082	41.09	1.000	1.000	5.2154	104	0.0861	5.22
8	8 2,3,7,8-TCDF	7.87e2	0.67	NO	0.833	1.000	25.418	25.39	1.001	1.000	0.55788	112	0.0358	0.558
9	9 1,2,3,7,8-PeCDF	3.25e3	1.57	NO	0.965	1.000	29.462	29.46	1.001	1.001	2.5832	103	0.0507	2.58
10	10 2,3,4,7,8-PeCDF	3.23e3	1.76	NO	1.01	1.000	30.357	30.35	1.001	1.001	2.5827	103	0.0469	2.58
11	11 1,2,3,4,7,8-HxCDF	2.67e3	1.30	NO	1.09	1.000	33.039	33.05	1.000	1.000	2.6313	105	0.0562	2.63
12	12 1,2,3,6,7,8-HxCDF	2.72e3	1.24	NO	1.07	1.000	33.181	33.18	1.000	1.000	2.6089	104	0.0564	2.61
13	13 2,3,4,6,7,8-HxCDF	2.72e3	1.26	NO	1.15	1.000	33.797	33.79	1.001	1.001	2.6499	106	0.0619	2.65
14	14 1,2,3,7,8,9-HxCDF	2.35e3	1.32	NO	1.11	1.000	34.729	34.74	1.000	1.000	2.7171	109	0.0781	2.72
15	15 1,2,3,4,6,7,8-HpCDF	2.17e3	1.00	NO	1.16	1.000	36.620	36.61	1.001	1.001	2.7041	108	0.0797	2.70
16	16 1,2,3,4,7,8,9-HpCDF	1.93e3	1.07	NO	1.35	1.000	38.328	38.34	1.000	1.000	2.8124	112	0.0773	2.81
17	17 OCDF	3.26e3	0.90	NO	0.949	1.000	41.313	41.33	1.000	1.001	5.4739	109	0.104	5.47
18	18 13C-2,3,7,8-TCDD	1.13e5	0.81	NO	1.26	1.000	26.273	26.16	1.026	1.021	101.17	101	0.201	
19	19 13C-1,2,3,7,8-PeCDD	8.18e4	0.62	NO	0.921	1.000	30.780	30.61	1.202	1.195	100.44	100	0.159	
20	20 13C-1,2,3,4,7,8-HxCDD	6.18e4	1.35	NO	0.707	1.000	33.924	33.94	1.014	1.014	98.790	98.8	0.352	
21	21 13C-1,2,3,6,7,8-HxCDD	7.22e4	1.29	NO	0.829	1.000	34.035	34.05	1.017	1.018	98.440	98.4	0.300	
22	22 13C-1,2,3,7,8,9-HxCDD	7.14e4	1.30	NO	0.808	1.000	34.306	34.34	1.025	1.027	99.788	99.8	0.308	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.77e4	1.07	NO	0.662	1.000	37.772	37.79	1.129	1.130	98.522	98.5	0.467	
24	24 13C-OCDD	1.05e5	0.91	NO	0.608	1.000	40.796	41.08	1.219	1.228	194.33	97.2	0.364	
25	25 13C-2,3,7,8-TCDF	1.69e5	0.80	NO	1.07	1.000	25.351	25.39	0.990	0.992	101.66	102	0.300	
26	26 13C-1,2,3,7,8-PeCDF	1.31e5	1.61	NO	0.826	1.000	29.594	29.44	1.156	1.150	101.38	101	0.360	
27	27 13C-2,3,4,7,8-PeCDF	1.24e5	1.61	NO	0.796	1.000	30.498	30.33	1.191	1.184	99.821	99.8	0.374	
28	28 13C-1,2,3,4,7,8-HxCDF	9.26e4	0.49	NO	1.08	1.000	33.055	33.04	0.988	0.988	97.298	97.3	0.343	
29	29 13C-1,2,3,6,7,8-HxCDF	9.78e4	0.49	NO	1.12	1.000	33.188	33.17	0.992	0.991	98.242	98.2	0.328	
30	30 13C-2,3,4,6,7,8-HxCDF	8.89e4	0.50	NO	1.02	1.000	33.760	33.76	1.009	1.009	97.998	98.0	0.360	
31	31 13C-1,2,3,7,8,9-HxCDF	7.77e4	0.48	NO	0.887	1.000	34.660	34.73	1.036	1.038	98.922	98.9	0.416	
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.95e4	0.43	NO	0.811	1.000	36.367	36.58	1.087	1.093	96.780	96.8	0.482	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.07e4	0.41	NO	0.598	1.000	38.374	38.33	1.147	1.146	95.807	95.8	0.654	
34	34 13C-OCDF	1.25e5	0.91	NO	0.752	1.000	40.950	41.31	1.224	1.235	188.25	94.1	0.382	

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Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

#	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	5.32e2			1.24	1.000	26.270	26.17	1.026	1.022	0.48391	96.8	0.0475	
36	36 13C-1,2,3,4-TCDD	8.84e4	0.80	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.253	
37	37 13C-1,2,3,4-TCDF	1.56e5	0.81	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.320	
38	38 13C-1,2,3,4,6,9-HxCDF	8.85e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.369	

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Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.98e3	0.78	NO	0.986	1.000	26.189	26.17	1.001	1.001	1.6636	83.2	0.0493	1.66
2	2 1,2,3,7,8-PeCDD	7.46e3	0.61	NO	0.964	1.000	30.630	30.63	1.001	1.001	8.7578	87.6	0.0659	8.76
3	3 1,2,3,4,7,8-HxCDD	6.57e3	1.21	NO	1.16	1.000	33.949	33.95	1.000	1.000	8.4812	84.8	0.118	8.48
4	4 1,2,3,6,7,8-HxCDD	6.99e3	1.22	NO	1.01	1.000	34.037	34.06	1.000	1.001	8.7639	87.6	0.122	8.76
5	5 1,2,3,7,8,9-HxCDD	6.73e3	1.24	NO	1.01	1.000	34.379	34.36	1.001	1.000	8.8445	88.4	0.132	8.84
6	6 1,2,3,4,6,7,8-HpCDD	5.03e3	1.16	NO	0.997	1.000	37.791	37.79	1.000	1.000	8.4399	84.4	0.225	8.44
7	7 OCDD	9.83e3	0.87	NO	1.01	1.000	41.082	41.09	1.000	1.000	17.713	88.6	0.127	17.7
8	8 2,3,7,8-TCDF	2.82e3	0.69	NO	0.833	1.000	25.418	25.42	1.001	1.001	1.8535	92.7	0.0300	1.85
9	9 1,2,3,7,8-PeCDF	1.19e4	1.58	NO	0.965	1.000	29.462	29.46	1.001	1.001	8.6873	86.9	0.0779	8.69
10	10 2,3,4,7,8-PeCDF	1.19e4	1.67	NO	1.01	1.000	30.357	30.35	1.001	1.001	8.4229	84.2	0.0676	8.42
11	11 1,2,3,4,7,8-HxCDF	9.98e3	1.20	NO	1.09	1.000	33.039	33.05	1.000	1.000	8.9279	89.3	0.0853	8.93
12	12 1,2,3,6,7,8-HxCDF	1.01e4	1.28	NO	1.07	1.000	33.170	33.18	1.000	1.001	8.9581	89.6	0.0836	8.96
13	13 2,3,4,6,7,8-HxCDF	9.76e3	1.23	NO	1.15	1.000	33.797	33.77	1.001	1.000	8.6911	86.9	0.0888	8.69
14	14 1,2,3,7,8,9-HxCDF	8.16e3	1.26	NO	1.11	1.000	34.718	34.74	1.000	1.001	8.8409	88.4	0.123	8.84
15	15 1,2,3,4,6,7,8-HpCDF	7.62e3	1.03	NO	1.16	1.000	36.620	36.59	1.001	1.000	8.7616	87.6	0.136	8.76
16	16 1,2,3,4,7,8,9-HpCDF	6.48e3	0.93	NO	1.35	1.000	38.328	38.34	1.000	1.000	8.8433	88.4	0.142	8.84
17	17 OCDF	1.08e4	0.86	NO	0.949	1.000	41.301	41.32	1.000	1.001	16.599	83.0	0.153	16.6
18	18 13C-2,3,7,8-TCDD	1.21e5	0.79	NO	1.26	1.000	26.288	26.16	1.026	1.021	101.54	102	0.218	
19	19 13C-1,2,3,7,8-PeCDD	8.84e4	0.61	NO	0.921	1.000	30.798	30.61	1.202	1.195	101.65	102	0.227	
20	20 13C-1,2,3,4,7,8-HxCDD	6.66e4	1.30	NO	0.707	1.000	33.913	33.94	1.014	1.015	97.491	97.5	0.335	
21	21 13C-1,2,3,6,7,8-HxCDD	7.92e4	1.32	NO	0.829	1.000	34.024	34.04	1.017	1.018	98.922	98.9	0.286	
22	22 13C-1,2,3,7,8,9-HxCDD	7.54e4	1.32	NO	0.808	1.000	34.295	34.34	1.025	1.027	96.615	96.6	0.293	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.98e4	1.09	NO	0.662	1.000	37.759	37.78	1.129	1.130	93.469	93.5	0.495	
24	24 13C-OCDD	1.09e5	0.90	NO	0.608	1.000	40.783	41.08	1.219	1.228	186.24	93.1	0.514	
25	25 13C-2,3,7,8-TCDF	1.83e5	0.77	NO	1.07	1.000	25.366	25.39	0.990	0.991	98.621	98.6	0.249	
26	26 13C-1,2,3,7,8-PeCDF	1.42e5	1.66	NO	0.826	1.000	29.612	29.44	1.156	1.149	98.731	98.7	0.323	
27	27 13C-2,3,4,7,8-PeCDF	1.40e5	1.68	NO	0.796	1.000	30.516	30.33	1.191	1.184	101.06	101	0.335	
28	28 13C-1,2,3,4,7,8-HxCDF	1.02e5	0.50	NO	1.08	1.000	33.044	33.04	0.988	0.988	98.239	98.2	0.344	
29	29 13C-1,2,3,6,7,8-HxCDF	1.06e5	0.49	NO	1.12	1.000	33.177	33.16	0.992	0.991	97.608	97.6	0.329	
30	30 13C-2,3,4,6,7,8-HxCDF	9.72e4	0.50	NO	1.02	1.000	33.749	33.76	1.009	1.010	98.205	98.2	0.361	
31	31 13C-1,2,3,7,8,9-HxCDF	8.28e4	0.50	NO	0.887	1.000	34.649	34.72	1.036	1.038	96.678	96.7	0.417	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.52e4	0.42	NO	0.811	1.000	36.355	36.58	1.087	1.094	95.939	95.9	0.509	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.43e4	0.44	NO	0.598	1.000	38.361	38.33	1.147	1.146	93.961	94.0	0.690	
34	34 13C-OCDF	1.37e5	0.88	NO	0.752	1.000	40.937	41.30	1.224	1.235	188.78	94.4	0.403	

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Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

#	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	2.19e3			1.24	1.000	26.286	26.19	1.026	1.022	1.8667	93.3	0.0471	
36	36 13C-1,2,3,4-TCDD	9.44e4	0.82	NO	1.00	1.000	25.480	25.62	1.000	1.000	100.00	100	0.275	
37	37 13C-1,2,3,4-TCDF	1.74e5	0.77	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.266	
38	38 13C-1,2,3,4,6,9-HxCDF	9.66e4	0.50	NO	1.00	1.000	33.530	33.44	1.000	1.000	100.00	100	0.370	

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Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

#	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	1.00e4	0.82	NO	0.986	1.000	26.189	26.19	1.001	1.001	8.8565	88.6	0.0892	8.86
2	2 1,2,3,7,8-PeCDD	3.66e4	0.62	NO	0.964	1.000	30.630	30.63	1.001	1.001	45.196	90.4	0.155	45.2
3	3 1,2,3,4,7,8-HxCDD	3.52e4	1.26	NO	1.16	1.000	33.949	33.95	1.000	1.000	46.642	93.3	0.250	46.6
4	4 1,2,3,6,7,8-HxCDD	3.48e4	1.29	NO	1.01	1.000	34.038	34.06	1.000	1.001	44.916	89.8	0.257	44.9
5	5 1,2,3,7,8,9-HxCDD	3.36e4	1.26	NO	1.01	1.000	34.379	34.36	1.001	1.000	44.634	89.3	0.279	44.6
6	6 1,2,3,4,6,7,8-HpCDD	2.77e4	1.03	NO	0.997	1.000	37.791	37.79	1.000	1.000	43.896	87.8	0.312	43.9
7	7 OCDD	5.26e4	0.89	NO	1.01	1.000	41.082	41.09	1.000	1.000	92.170	92.2	0.199	92.2
8	8 2,3,7,8-TCDF	1.34e4	0.75	NO	0.833	1.000	25.418	25.41	1.001	1.001	8.7720	87.7	0.0756	8.77
9	9 1,2,3,7,8-PeCDF	6.36e4	1.57	NO	0.965	1.000	29.462	29.46	1.001	1.001	47.409	94.8	0.106	47.4
10	10 2,3,4,7,8-PeCDF	6.33e4	1.58	NO	1.01	1.000	30.357	30.35	1.001	1.001	47.245	94.5	0.0986	47.2
11	11 1,2,3,4,7,8-HxCDF	4.90e4	1.27	NO	1.09	1.000	33.039	33.05	1.000	1.000	44.739	89.5	0.206	44.7
12	12 1,2,3,6,7,8-HxCDF	5.13e4	1.24	NO	1.07	1.000	33.170	33.18	1.000	1.001	46.102	92.2	0.191	46.1
13	13 2,3,4,6,7,8-HxCDF	5.01e4	1.25	NO	1.15	1.000	33.797	33.79	1.001	1.001	44.354	88.7	0.198	44.4
14	14 1,2,3,7,8,9-HxCDF	4.08e4	1.27	NO	1.11	1.000	34.729	34.74	1.000	1.000	43.006	86.0	0.277	43.0
15	15 1,2,3,4,6,7,8-HpCDF	3.96e4	1.03	NO	1.16	1.000	36.620	36.61	1.001	1.001	44.155	88.3	0.249	44.2
16	16 1,2,3,4,7,8,9-HpCDF	3.49e4	1.02	NO	1.35	1.000	38.317	38.34	1.000	1.001	45.801	91.6	0.259	45.8
17	17 OCDF	5.99e4	0.94	NO	0.949	1.000	41.313	41.31	1.000	1.000	90.876	90.9	0.220	90.9
18	18 13C-2,3,7,8-TCDD	1.15e5	0.78	NO	1.26	1.000	26.273	26.16	1.026	1.021	98.768	98.8	0.190	
19	19 13C-1,2,3,7,8-PeCDD	8.41e4	0.63	NO	0.921	1.000	30.780	30.61	1.202	1.195	98.770	98.8	0.204	
20	20 13C-1,2,3,4,7,8-HxCDD	6.49e4	1.33	NO	0.707	1.000	33.924	33.94	1.014	1.014	96.881	96.9	0.410	
21	21 13C-1,2,3,6,7,8-HxCDD	7.68e4	1.35	NO	0.829	1.000	34.035	34.04	1.017	1.017	97.944	97.9	0.350	
22	22 13C-1,2,3,7,8,9-HxCDD	7.47e4	1.30	NO	0.808	1.000	34.306	34.34	1.025	1.027	97.724	97.7	0.359	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.34e4	1.05	NO	0.662	1.000	37.772	37.78	1.129	1.129	101.15	101	0.442	
24	24 13C-OCDD	1.13e5	0.91	NO	0.608	1.000	40.796	41.08	1.219	1.228	195.63	97.8	0.384	
25	25 13C-2,3,7,8-TCDF	1.83e5	0.82	NO	1.07	1.000	25.351	25.39	0.990	0.992	103.34	103	0.227	
26	26 13C-1,2,3,7,8-PeCDF	1.39e5	1.67	NO	0.826	1.000	29.594	29.44	1.156	1.150	101.66	102	0.336	
27	27 13C-2,3,4,7,8-PeCDF	1.33e5	1.69	NO	0.796	1.000	30.498	30.33	1.191	1.184	100.59	101	0.348	
28	28 13C-1,2,3,4,7,8-HxCDF	1.00e5	0.48	NO	1.08	1.000	33.055	33.04	0.988	0.988	98.338	98.3	0.415	
29	29 13C-1,2,3,6,7,8-HxCDF	1.04e5	0.50	NO	1.12	1.000	33.188	33.16	0.992	0.991	98.132	98.1	0.397	
30	30 13C-2,3,4,6,7,8-HxCDF	9.79e4	0.51	NO	1.02	1.000	33.760	33.76	1.009	1.009	100.89	101	0.436	
31	31 13C-1,2,3,7,8,9-HxCDF	8.50e4	0.51	NO	0.887	1.000	34.660	34.73	1.036	1.038	101.29	101	0.503	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.76e4	0.43	NO	0.811	1.000	36.367	36.58	1.087	1.093	101.06	101	0.441	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.65e4	0.43	NO	0.598	1.000	38.374	38.32	1.147	1.145	99.690	99.7	0.597	
34	34 13C-OCDF	1.39e5	0.89	NO	0.752	1.000	40.950	41.31	1.224	1.235	195.21	97.6	0.341	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

	# 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	1.06e4			1.24	1.000	26.270	26.19	1.026	1.023	9.2283	92.3	0.0610	
36	36 13C-1,2,3,4-TCDD	9.24e4	0.78	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.240	
37	37 13C-1,2,3,4-TCDF	1.66e5	0.81	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.242	
38	38 13C-1,2,3,4,6,9-HxCDF	9.47e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.446	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.74e4	0.80	NO	0.986	1.000	26.204	26.19	1.001	1.001	39.352	98.4	0.0679	39.4
2	2 1,2,3,7,8-PeCDD	1.76e5	0.62	NO	0.964	1.000	30.630	30.63	1.001	1.001	205.12	103	0.0946	205
3	3 1,2,3,4,7,8-HxCDD	1.72e5	1.25	NO	1.16	1.000	33.949	33.95	1.000	1.000	211.56	106	0.243	212
4	4 1,2,3,6,7,8-HxCDD	1.70e5	1.25	NO	1.01	1.000	34.049	34.06	1.000	1.000	202.09	101	0.251	202
5	5 1,2,3,7,8,9-HxCDD	1.67e5	1.26	NO	1.01	1.000	34.379	34.36	1.001	1.000	204.43	102	0.270	204
6	6 1,2,3,4,6,7,8-HpCDD	1.37e5	1.01	NO	0.997	1.000	37.791	37.79	1.000	1.000	202.23	101	0.407	202
7	7 OCDD	2.65e5	0.87	NO	1.01	1.000	41.082	41.10	1.000	1.001	434.38	109	0.379	434
8	8 2,3,7,8-TCDF	6.45e4	0.75	NO	0.833	1.000	25.418	25.42	1.001	1.001	40.000	100	0.0596	40.0
9	9 1,2,3,7,8-PeCDF	3.04e5	1.59	NO	0.965	1.000	29.482	29.46	1.001	1.000	213.96	107	0.164	214
10	10 2,3,4,7,8-PeCDF	3.00e5	1.59	NO	1.01	1.000	30.357	30.35	1.001	1.001	206.52	103	0.150	207
11	11 1,2,3,4,7,8-HxCDF	2.51e5	1.26	NO	1.09	1.000	33.039	33.05	1.000	1.000	210.60	105	0.248	211
12	12 1,2,3,6,7,8-HxCDF	2.59e5	1.26	NO	1.07	1.000	33.181	33.18	1.000	1.000	213.97	107	0.259	214
13	13 2,3,4,6,7,8-HxCDF	2.53e5	1.26	NO	1.15	1.000	33.797	33.77	1.001	1.000	216.56	108	0.270	217
14	14 1,2,3,7,8,9-HxCDF	2.06e5	1.30	NO	1.11	1.000	34.729	34.74	1.000	1.000	212.53	106	0.338	213
15	15 1,2,3,4,6,7,8-HpCDF	1.97e5	1.04	NO	1.16	1.000	36.631	36.61	1.001	1.000	208.57	104	0.433	209
16	16 1,2,3,4,7,8,9-HpCDF	1.72e5	1.03	NO	1.35	1.000	38.328	38.34	1.000	1.000	210.80	105	0.416	211
17	17 OCDF	3.09e5	0.90	NO	0.949	1.000	41.313	41.32	1.000	1.000	418.90	105	0.339	419
18	18 13C-2,3,7,8-TCDD	1.22e5	0.78	NO	1.26	1.000	26.273	26.17	1.026	1.022	102.09	102	0.179	
19	19 13C-1,2,3,7,8-PeCDD	8.91e4	0.62	NO	0.921	1.000	30.780	30.61	1.202	1.195	101.83	102	0.232	
20	20 13C-1,2,3,4,7,8-HxCDD	7.00e4	1.27	NO	0.707	1.000	33.924	33.94	1.014	1.014	100.01	100	0.380	
21	21 13C-1,2,3,6,7,8-HxCDD	8.35e4	1.35	NO	0.829	1.000	34.035	34.05	1.017	1.018	101.77	102	0.324	
22	22 13C-1,2,3,7,8,9-HxCDD	8.10e4	1.33	NO	0.808	1.000	34.306	34.34	1.025	1.027	101.36	101	0.332	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.79e4	1.08	NO	0.662	1.000	37.772	37.78	1.129	1.129	103.74	104	0.514	
24	24 13C-OCDD	1.20e5	0.88	NO	0.608	1.000	40.796	41.08	1.219	1.228	199.83	99.9	0.503	
25	25 13C-2,3,7,8-TCDF	1.93e5	0.79	NO	1.07	1.000	25.351	25.39	0.990	0.992	101.75	102	0.262	
26	26 13C-1,2,3,7,8-PeCDF	1.47e5	1.78	NO	0.826	1.000	29.594	29.46	1.156	1.151	100.19	100	0.353	
27	27 13C-2,3,4,7,8-PeCDF	1.44e5	1.64	NO	0.796	1.000	30.498	30.33	1.191	1.184	101.62	102	0.366	
28	28 13C-1,2,3,4,7,8-HxCDF	1.09e5	0.50	NO	1.08	1.000	33.055	33.04	0.988	0.988	102.47	102	0.407	
29	29 13C-1,2,3,6,7,8-HxCDF	1.14e5	0.50	NO	1.12	1.000	33.188	33.17	0.992	0.991	102.21	102	0.389	
30	30 13C-2,3,4,6,7,8-HxCDF	1.01e5	0.51	NO	1.02	1.000	33.760	33.76	1.009	1.009	99.881	99.9	0.427	
31	31 13C-1,2,3,7,8,9-HxCDF	8.72e4	0.49	NO	0.887	1.000	34.660	34.73	1.036	1.038	99.350	99.3	0.493	
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.15e4	0.44	NO	0.811	1.000	36.367	36.59	1.087	1.094	101.53	102	0.467	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.06e4	0.41	NO	0.598	1.000	38.374	38.33	1.147	1.146	102.34	102	0.633	
34	34 13C-OCDF	1.55e5	0.88	NO	0.752	1.000	40.950	41.31	1.224	1.235	208.58	104	0.384	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

#	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	4.98e4			1.24	1.000	26.270	26.19	1.026	1.023	42.189	105	0.0815	
36	36 13C-1,2,3,4-TCDD	9.49e4	0.79	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.225	
37	37 13C-1,2,3,4-TCDF	1.78e5	0.78	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.280	
38	38 13C-1,2,3,4,6,9-HxCDF	9.90e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.437	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

#	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	3.68e5	0.80	NO	0.986	1.000	26.204	26.19	1.001	1.001	364.45	121	0.101	364
2	2 1,2,3,7,8-PeCDD	1.40e6	0.63	NO	0.964	1.000	30.650	30.63	1.001	1.000	1848.3	123	0.267	1850
3	3 1,2,3,4,7,8-HxCDD	1.43e6	1.25	NO	1.16	1.000	33.960	33.96	1.000	1.000	1847.5	123	0.492	1850
4	4 1,2,3,6,7,8-HxCDD	1.38e6	1.23	NO	1.01	1.000	34.060	34.07	1.000	1.000	1775.5	118	0.510	1780
5	5 1,2,3,7,8,9-HxCDD	1.39e6	1.24	NO	1.01	1.000	34.390	34.37	1.001	1.000	1808.8	121	0.520	1810
6	6 1,2,3,4,6,7,8-HpCDD	1.16e6	1.03	NO	0.997	1.000	37.802	37.80	1.000	1.000	1821.7	121	0.929	1820
7	7 OCDD	2.27e6	0.89	NO	1.01	1.000	41.104	41.12	1.000	1.000	3544.5	118	0.574	3540
8	8 2,3,7,8-TCDF	5.10e5	0.77	NO	0.833	1.000	25.418	25.42	1.001	1.001	367.11	122	0.101	367
9	9 1,2,3,7,8-PeCDF	2.35e6	1.58	NO	0.965	1.000	29.482	29.48	1.001	1.001	1831.5	122	0.215	1830
10	10 2,3,4,7,8-PeCDF	2.35e6	1.57	NO	1.01	1.000	30.377	30.35	1.001	1.000	1813.0	121	0.210	1810
11	11 1,2,3,4,7,8-HxCDF	1.98e6	1.25	NO	1.09	1.000	33.050	33.06	1.000	1.000	1790.5	119	0.579	1790
12	12 1,2,3,6,7,8-HxCDF	2.01e6	1.25	NO	1.07	1.000	33.181	33.19	1.000	1.001	1817.2	121	0.586	1820
13	13 2,3,4,6,7,8-HxCDF	2.03e6	1.25	NO	1.15	1.000	33.808	33.79	1.001	1.000	1813.2	121	0.622	1810
14	14 1,2,3,7,8,9-HxCDF	1.69e6	1.26	NO	1.11	1.000	34.729	34.75	1.000	1.001	1750.8	117	0.759	1750
15	15 1,2,3,4,6,7,8-HpCDF	1.65e6	1.02	NO	1.16	1.000	36.631	36.62	1.001	1.001	1832.5	122	0.950	1830
16	16 1,2,3,4,7,8,9-HpCDF	1.48e6	1.02	NO	1.35	1.000	38.339	38.34	1.000	1.000	1811.2	121	0.920	1810
17	17 OCDF	2.67e6	0.89	NO	0.949	1.000	41.324	41.33	1.000	1.000	3489.5	116	0.436	3490
18	18 13C-2,3,7,8-TCDD	1.02e5	0.78	NO	1.26	1.000	26.273	26.17	1.026	1.022	97.082	97.1	0.235	
19	19 13C-1,2,3,7,8-PeCDD	7.85e4	0.62	NO	0.921	1.000	30.780	30.63	1.202	1.196	101.79	102	0.196	
20	20 13C-1,2,3,4,7,8-HxCDD	6.66e4	1.32	NO	0.707	1.000	33.936	33.95	1.014	1.014	104.87	105	0.369	
21	21 13C-1,2,3,6,7,8-HxCDD	7.72e4	1.33	NO	0.829	1.000	34.046	34.06	1.017	1.018	103.76	104	0.315	
22	22 13C-1,2,3,7,8,9-HxCDD	7.61e4	1.28	NO	0.808	1.000	34.317	34.36	1.025	1.027	104.98	105	0.323	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.37e4	1.02	NO	0.662	1.000	37.784	37.79	1.129	1.129	107.29	107	0.467	
24	24 13C-OCDD	1.27e5	0.90	NO	0.608	1.000	40.810	41.10	1.219	1.228	231.88	116	0.362	
25	25 13C-2,3,7,8-TCDF	1.67e5	0.79	NO	1.07	1.000	25.351	25.39	0.990	0.992	94.694	94.7	0.249	
26	26 13C-1,2,3,7,8-PeCDF	1.33e5	1.61	NO	0.826	1.000	29.594	29.46	1.156	1.151	97.488	97.5	0.410	
27	27 13C-2,3,4,7,8-PeCDF	1.29e5	1.68	NO	0.796	1.000	30.498	30.35	1.191	1.185	98.043	98.0	0.425	
28	28 13C-1,2,3,4,7,8-HxCDF	1.01e5	0.51	NO	1.08	1.000	33.066	33.05	0.988	0.988	104.52	105	0.398	
29	29 13C-1,2,3,6,7,8-HxCDF	1.04e5	0.50	NO	1.12	1.000	33.199	33.17	0.992	0.991	102.86	103	0.380	
30	30 13C-2,3,4,6,7,8-HxCDF	9.68e4	0.49	NO	1.02	1.000	33.772	33.77	1.009	1.009	105.29	105	0.417	
31	31 13C-1,2,3,7,8,9-HxCDF	8.66e4	0.49	NO	0.887	1.000	34.672	34.73	1.036	1.038	108.80	109	0.482	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.78e4	0.44	NO	0.811	1.000	36.379	36.59	1.087	1.093	106.85	107	0.442	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.04e4	0.44	NO	0.598	1.000	38.387	38.34	1.147	1.146	112.41	112	0.599	
34	34 13C-OCDF	1.61e5	0.88	NO	0.752	1.000	40.964	41.32	1.224	1.235	239.12	120	0.313	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

	# 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	2.34e5			1.24	1.000	26.270	26.19	1.026	1.023	224.95	112	0.0764	
36	36 13C-1,2,3,4-TCDD	8.37e4	0.81	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.295	
37	37 13C-1,2,3,4-TCDF	1.65e5	0.79	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.266	
38	38 13C-1,2,3,4,6,9-HxCDF	8.98e4	0.50	NO	1.00	1.000	33.530	33.47	1.000	1.000	100.00	100	0.428	

Dataset: Untitled

Last Altered: Wednesday, May 27, 2020 11:57:57 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:58:25 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34
Calibration: 27 May 2020 11:57:57

Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

#	Name	RT
1	1,3,6,8-TCDD (First)	22.89
2	1,2,8,9-TCDD (Last)	27.03
3	1,2,4,7,9-PeCDD (First)	28.62
4	1,2,3,8,9-PeCDD (Last)	30.99
5	1,2,4,6,7,9-HxCDD (First)	32.40
6	1,2,3,7,8,9-HxCDD (Last)	34.36
7	1,2,3,4,6,7,9-HpCDD (First)	36.97
8	1,2,3,4,6,7,8-HpCDD (Last)	37.79
9	1,3,6,8-TCDF (First)	20.81
10	1,2,8,9-TCDF (Last)	27.17
11	1,3,4,6,8-PeCDF (First)	27.12
12	1,2,3,8,9-PeCDF (Last)	31.21
13	1,2,3,4,6,8-HxCDF (First)	31.86
14	1,2,3,7,8,9-HxCDF (Last)	34.74
15	1,2,3,4,6,7,8-HpCDF (First)	36.61
16	1,2,3,4,7,8,9-HpCDF (Last)	38.34

Dataset: Untitled

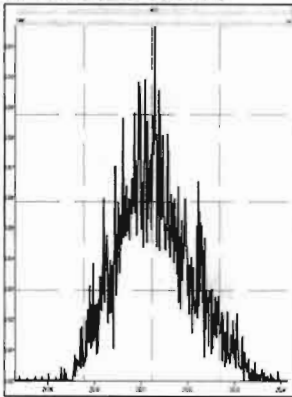
Last Altered: Wednesday, May 27, 2020 11:36:43 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:37:00 Pacific Daylight Time

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

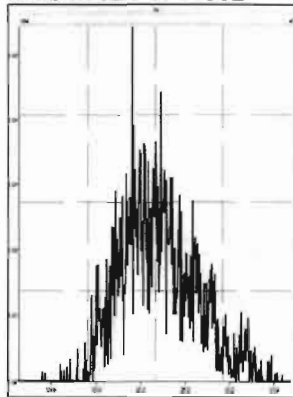
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200526D2_1	SOLVENT BLANK	26-May-20	20:12:13
2	200526D2_2	ST200526D2-1 1613 CS0 20E0704	26-May-20	20:57:24
3	200526D2_3	ST200526D2-2 1613 CS1 20E0705	26-May-20	21:42:35
4	200526D2_4	ST200526D2-3 1613 CS2 20E0706	26-May-20	22:27:45
5	200526D2_5	ST200526D2-4 1613 CS3 20E0707	26-May-20	23:12:55
6	200526D2_6	ST200526D2-5 1613 CS4 20E0708	26-May-20	23:58:05
7	200526D2_7	ST200526D2-6 1613 CS5 20E0709	27-May-20	00:43:15
8	200526D2_8	SOLVENT BLANK	27-May-20	01:28:25
9	200526D2_9	SS200526D2-1 1613 SSS 20E0710	27-May-20	02:13:37
10	200526D2_10	QC200526D2-1 1613 QC OPR COMB NS	27-May-20	02:58:46

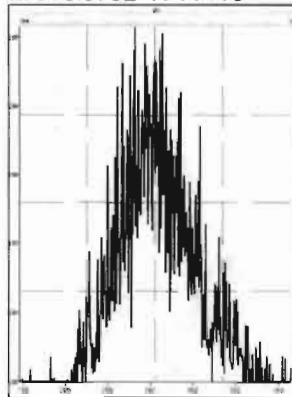
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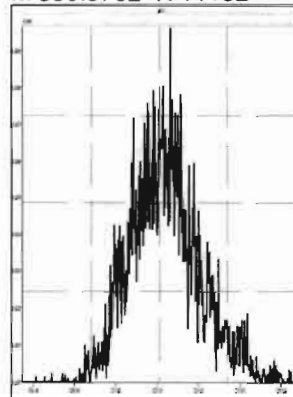
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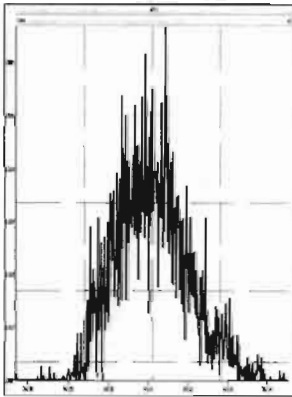
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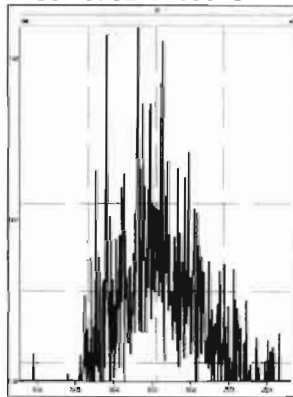
M 330.9792 R 11132



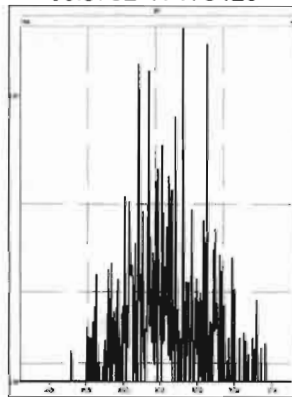
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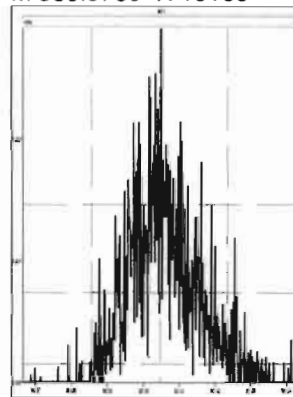
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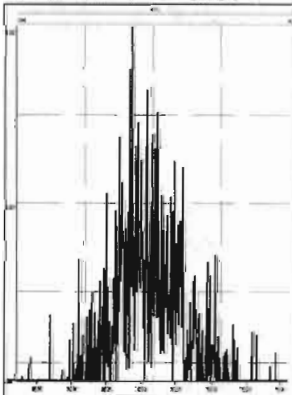
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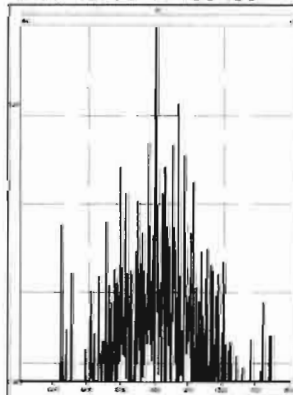
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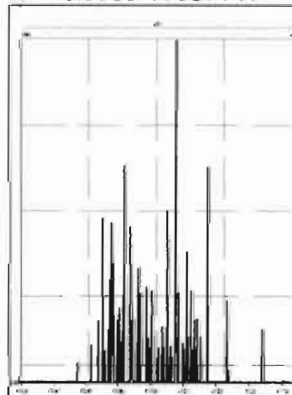
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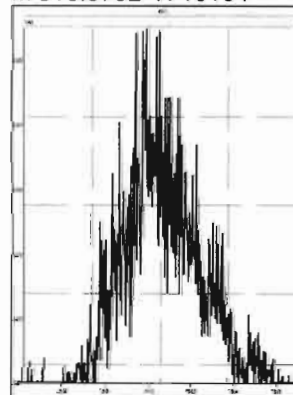
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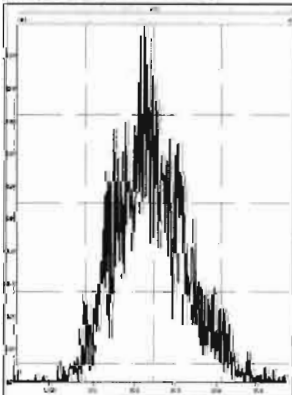
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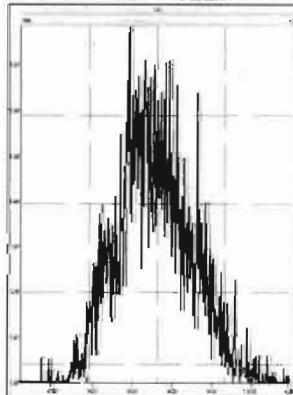
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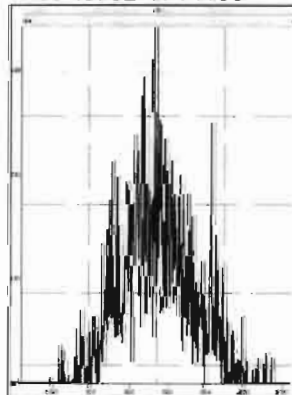
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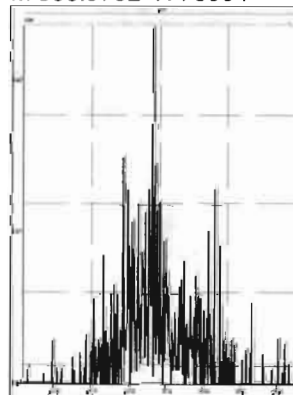
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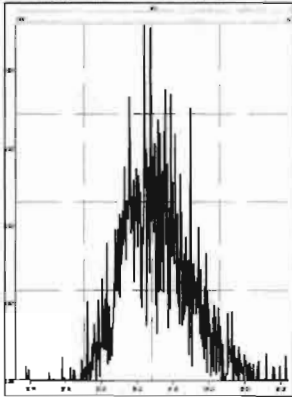
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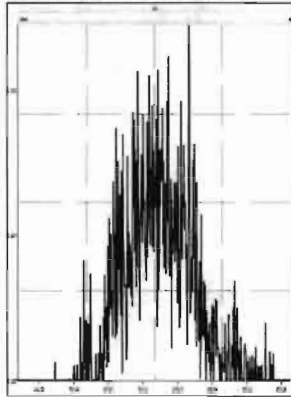
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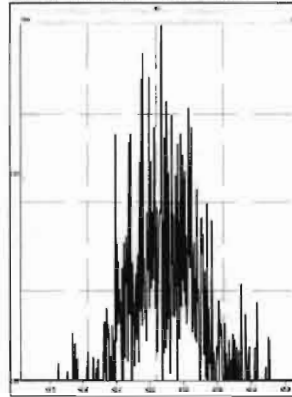
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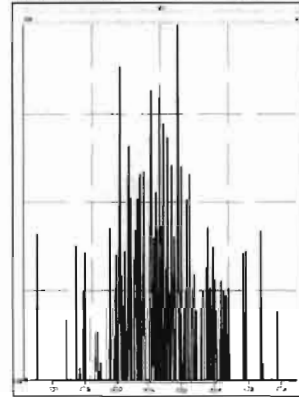
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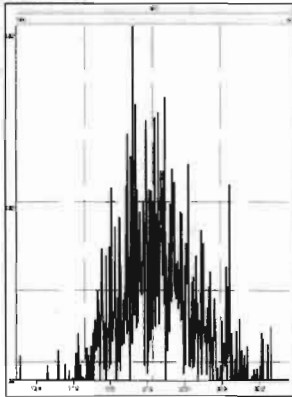
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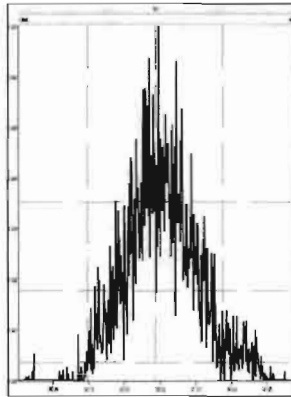
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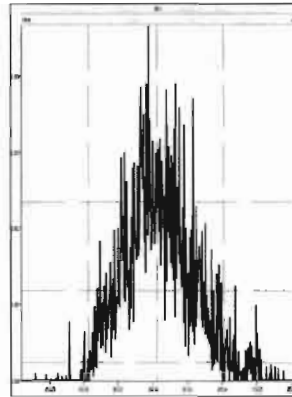
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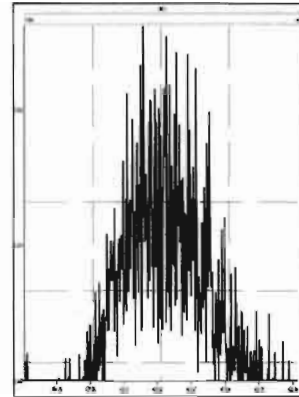
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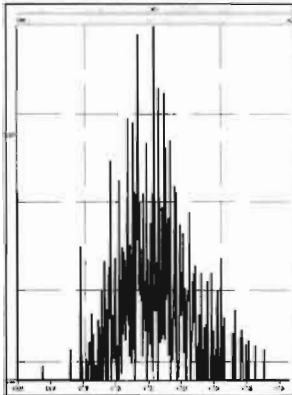
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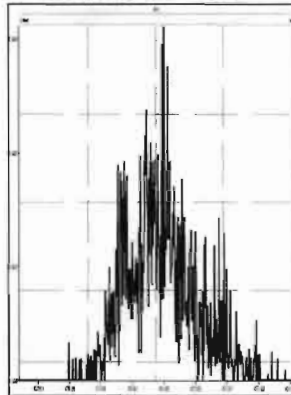
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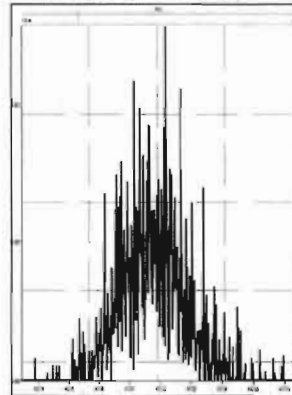
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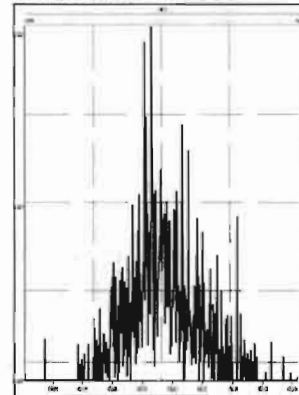
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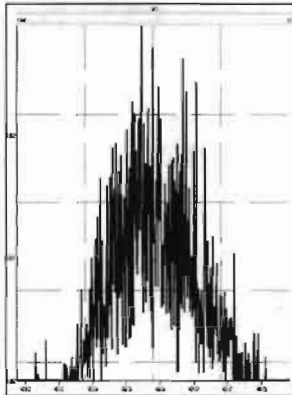
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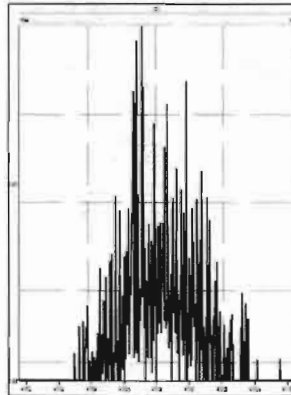
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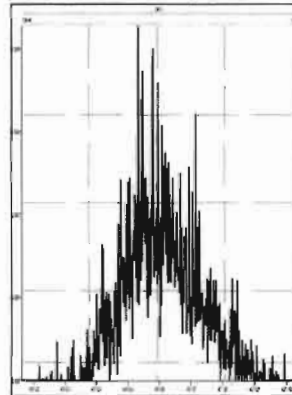
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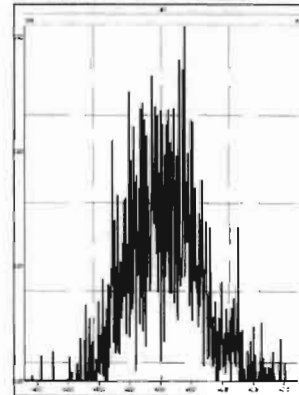
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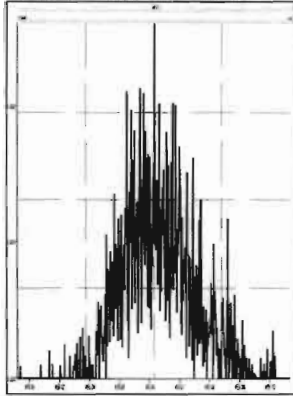
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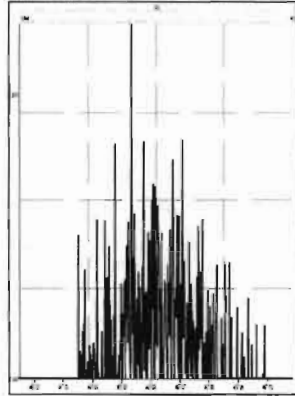
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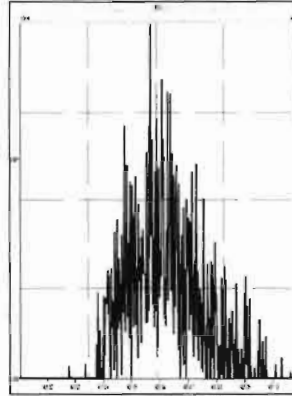
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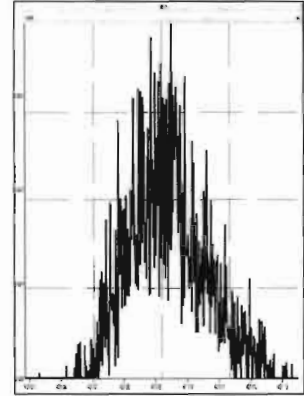
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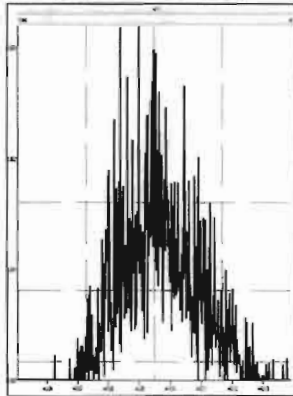
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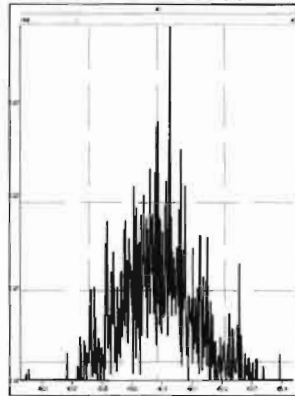
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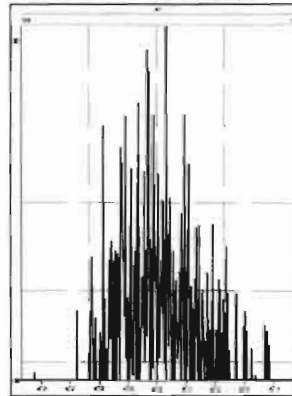
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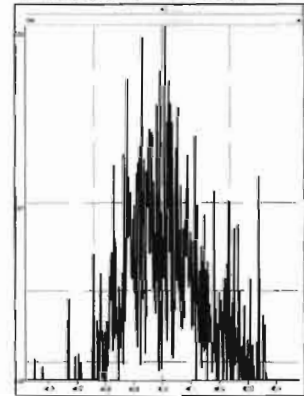
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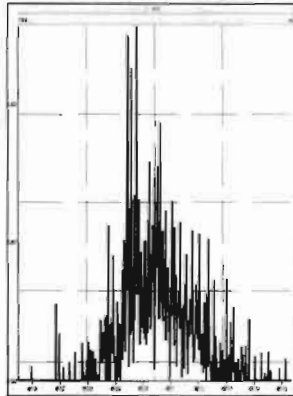
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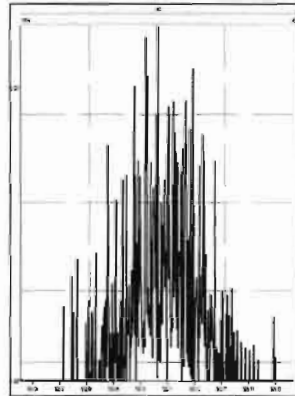
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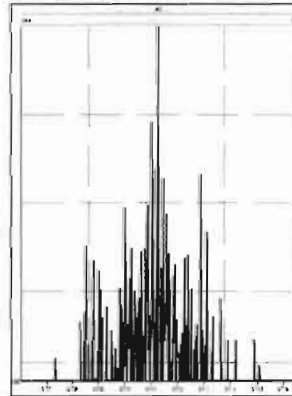
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M 504.9696 R 97853



M 516.9697 R 0

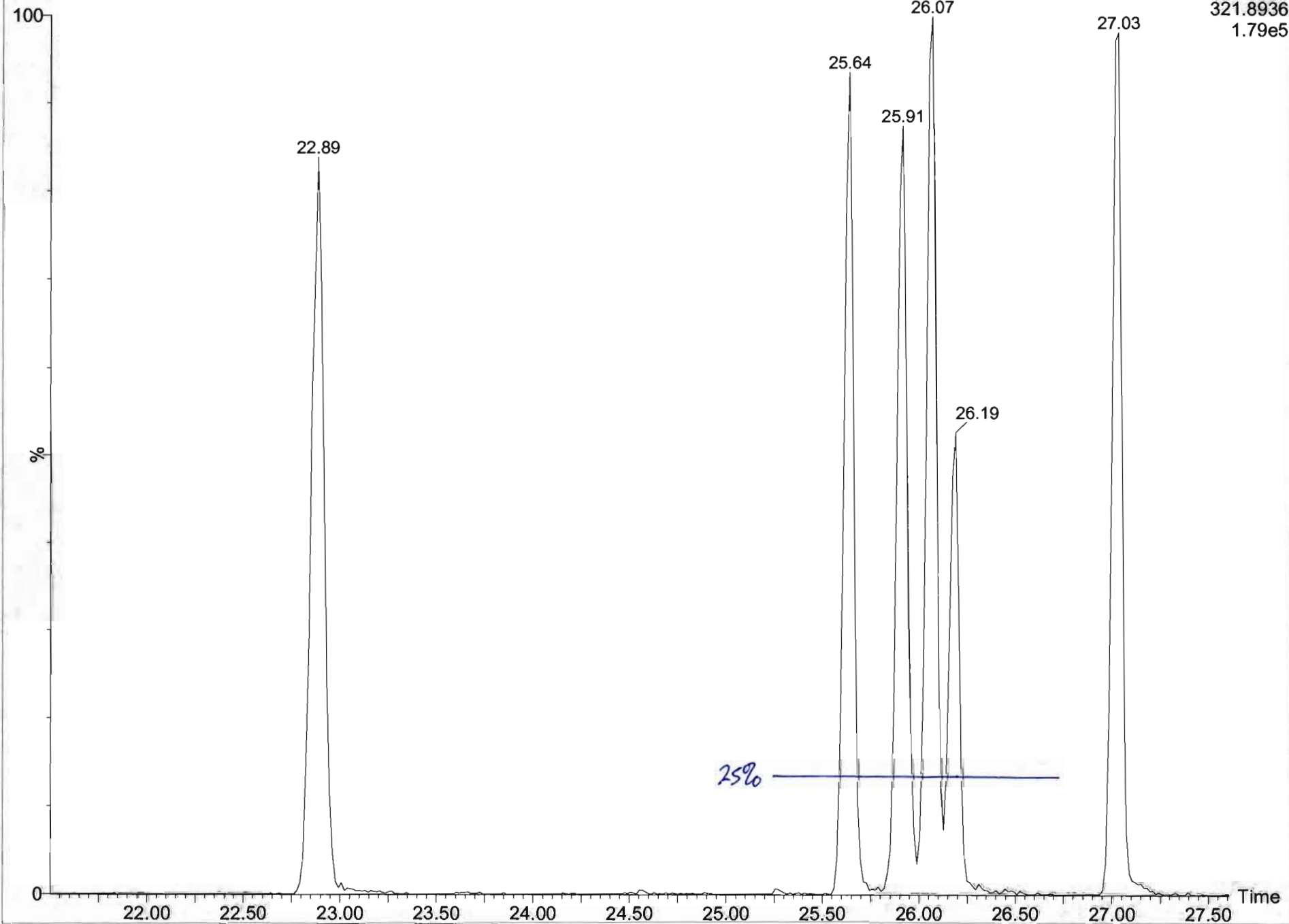


200526D2_5

1: Voltage SIR 15 Channels EI+

321.8936

1.79e5



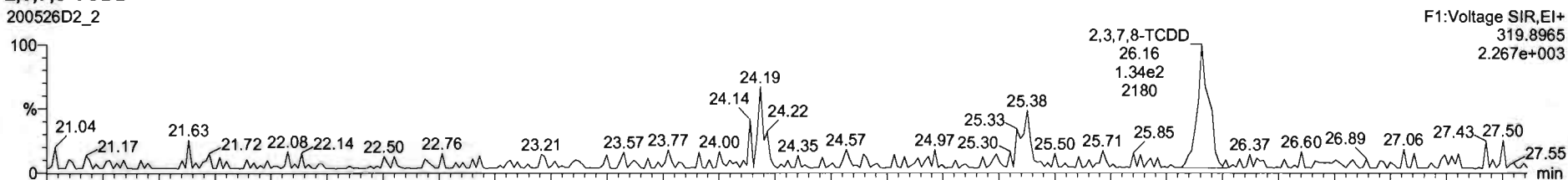
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

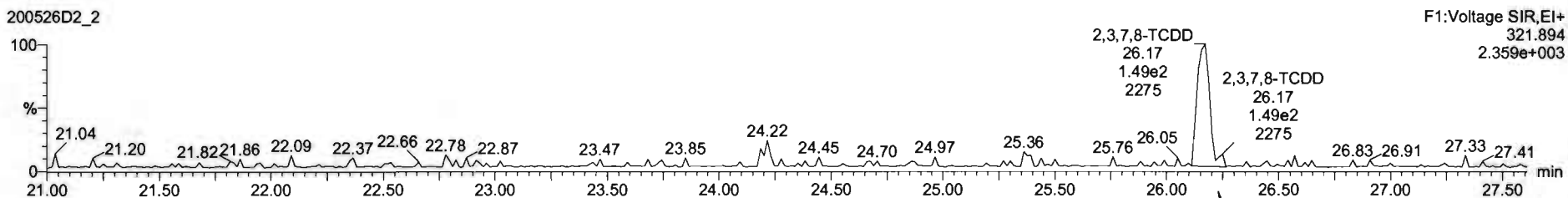
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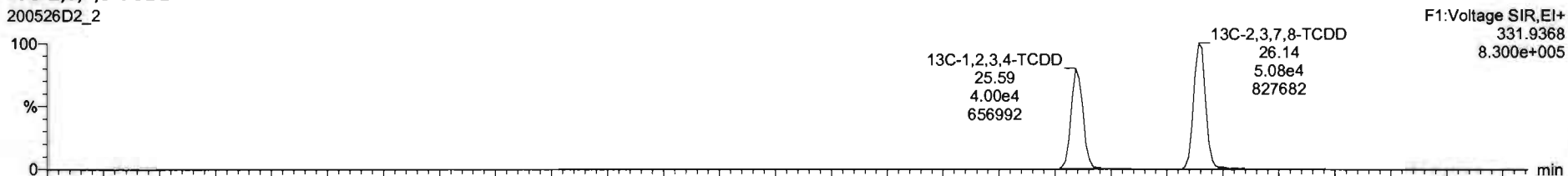
2,3,7,8-TCDD
200526D2_2



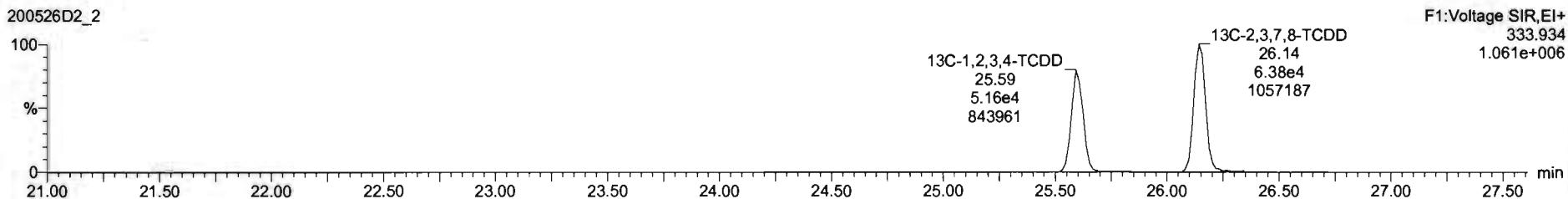
200526D2_2

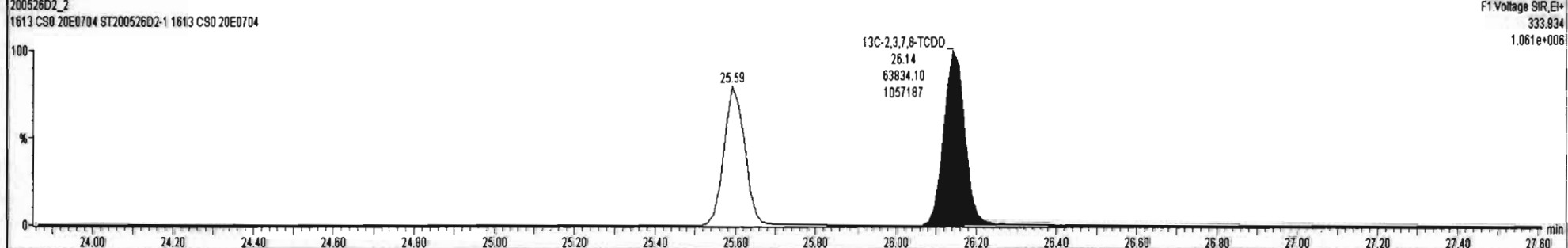
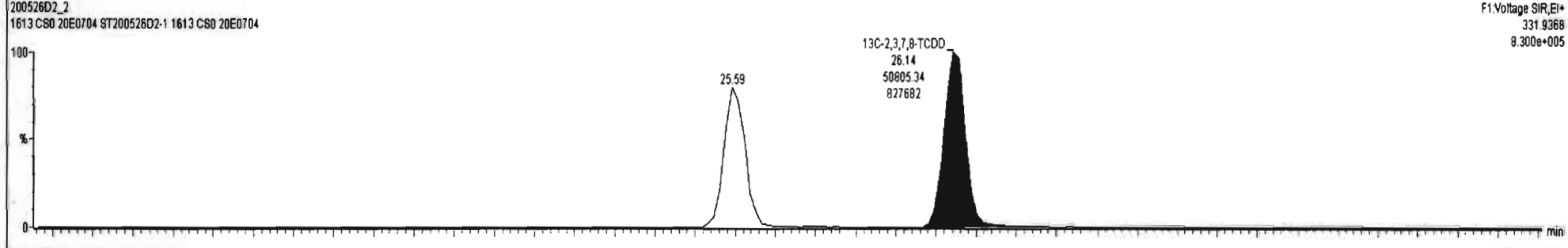
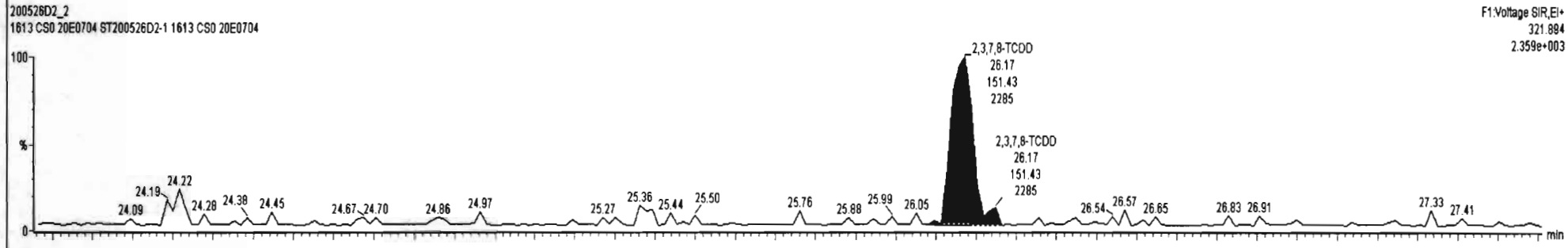
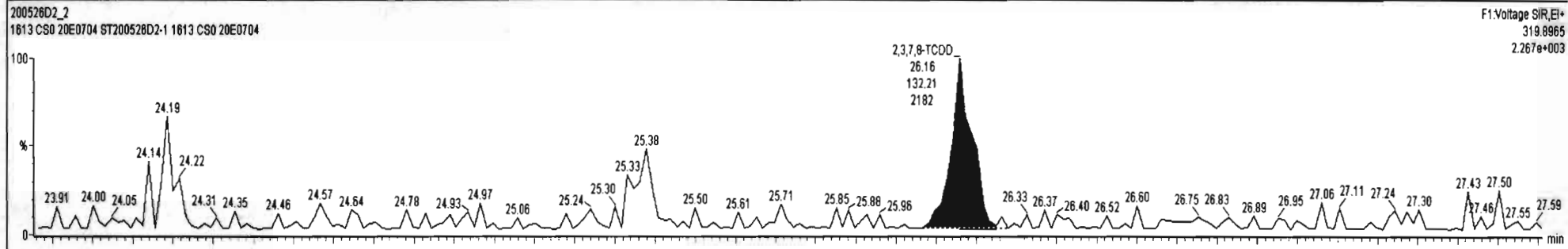


13C-2,3,7,8-TCDD
200526D2_2



200526D2_2



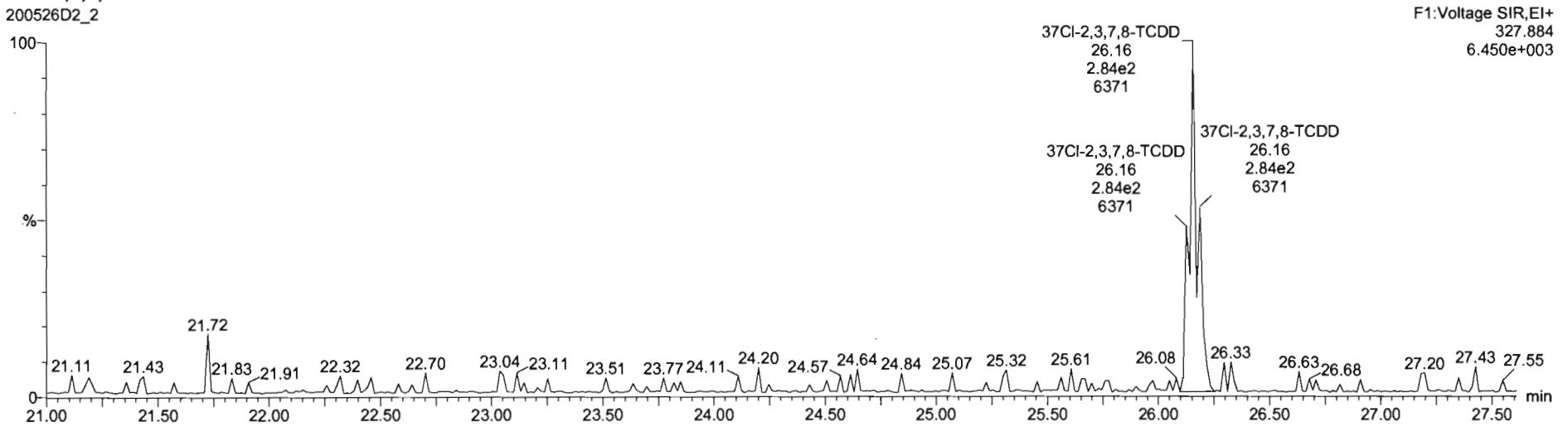


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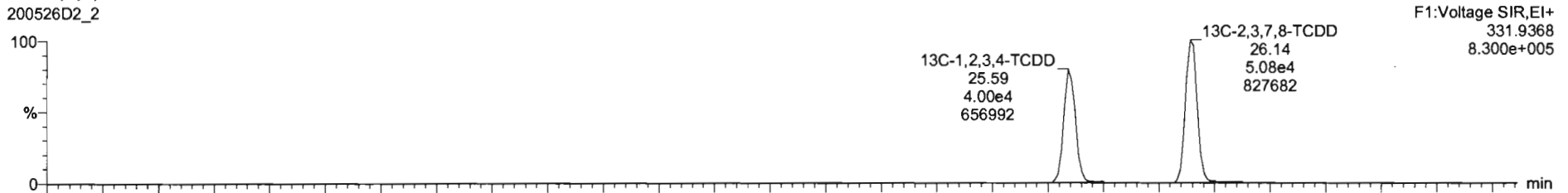
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37Cl-2,3,7,8-TCDD
200526D2_2



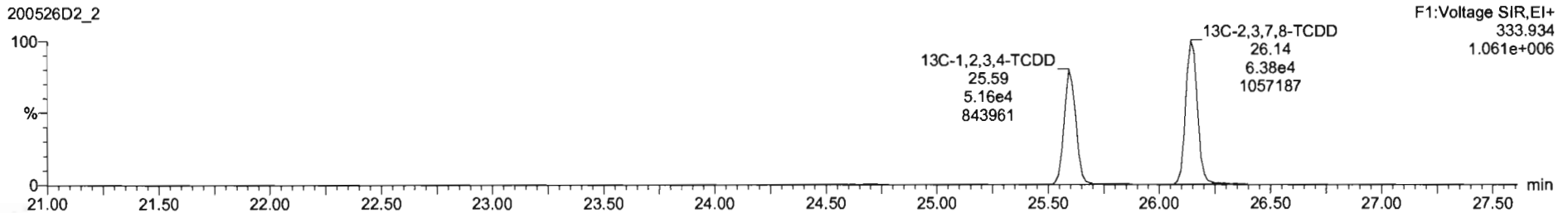
F1:Voltage SIR,EI+
327.884
6.450e+003

13C-1,2,3,4-TCDD
200526D2_2



F1:Voltage SIR,EI+
331.9368
8.300e+005

200526D2_2



F1:Voltage SIR,EI+
333.934
1.061e+006

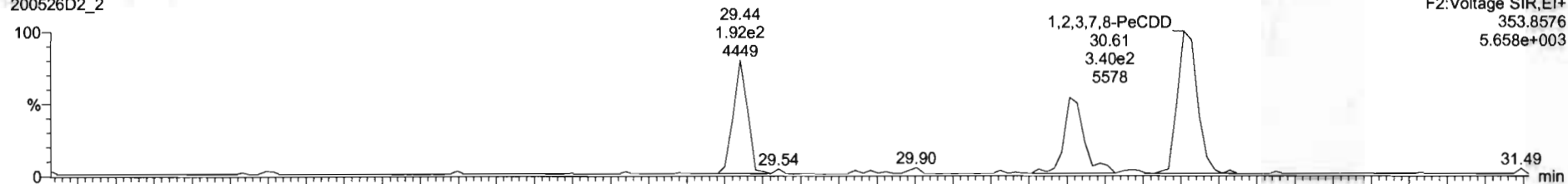
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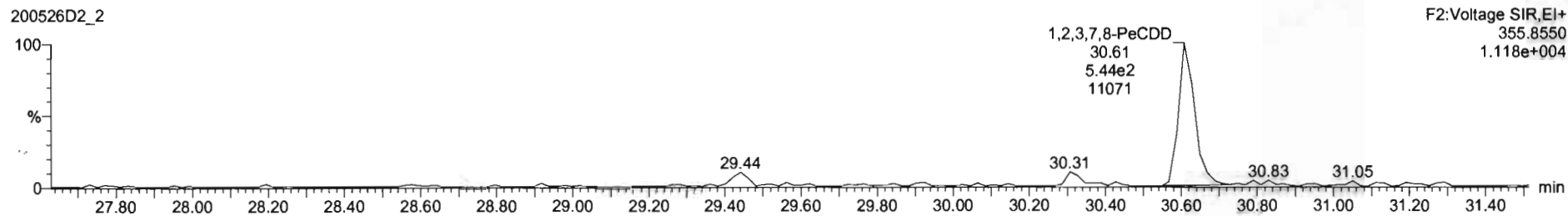
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1,2,3,7,8-PeCDD

200526D2_2

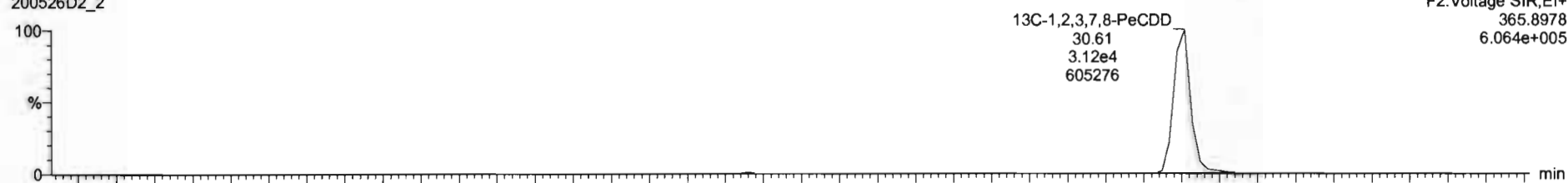


200526D2_2

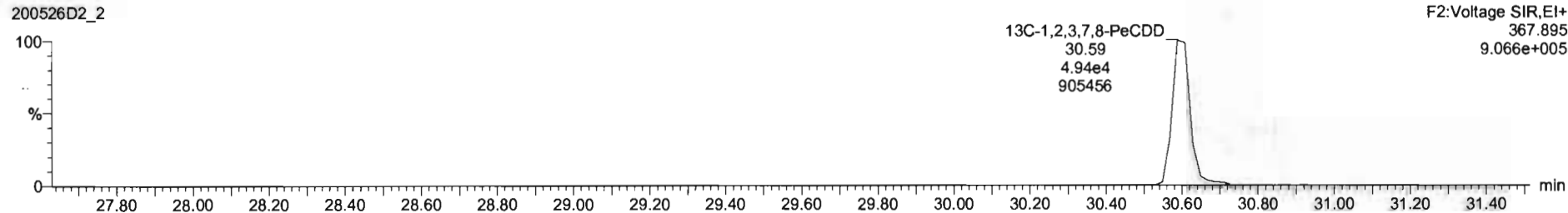


13C-1,2,3,7,8-PeCDD

200526D2_2



200526D2_2



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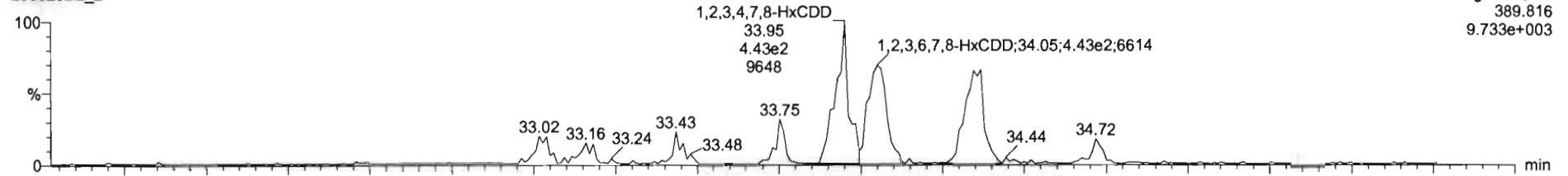
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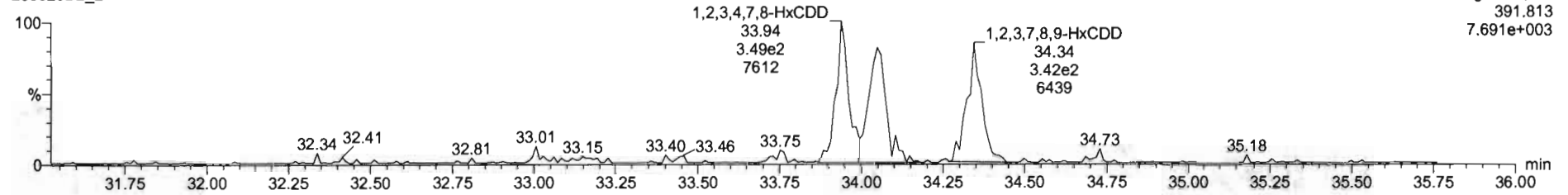
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1,2,3,4,7,8-HxCDD

200526D2_2

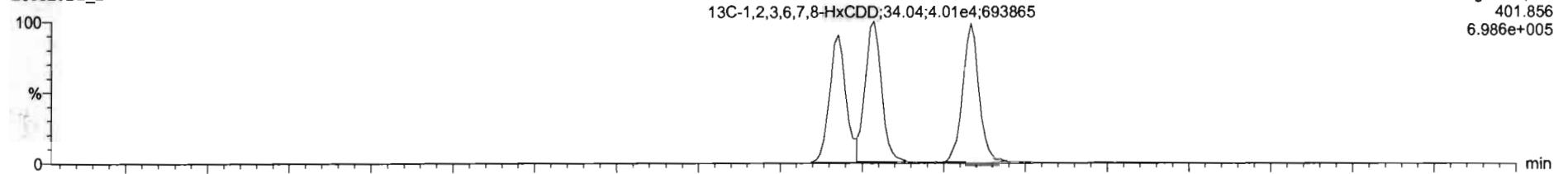


200526D2_2

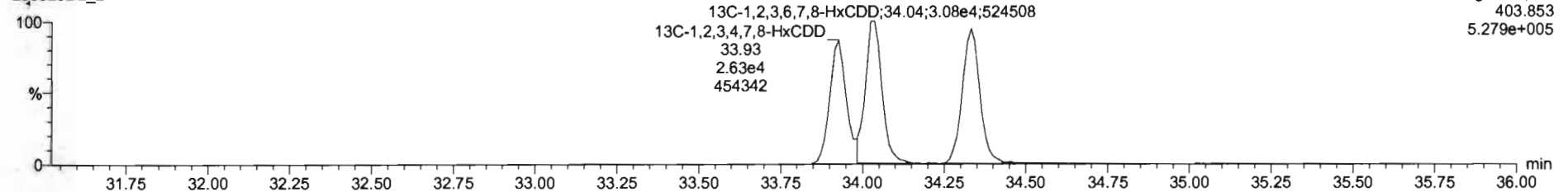


13C-1,2,3,4,7,8-HxCDD

200526D2_2



200526D2_2



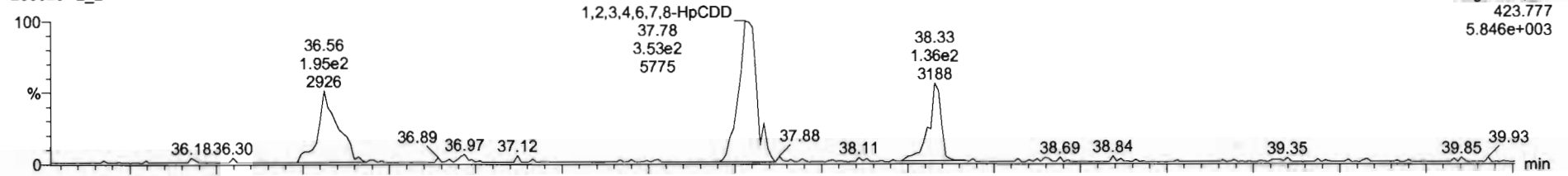
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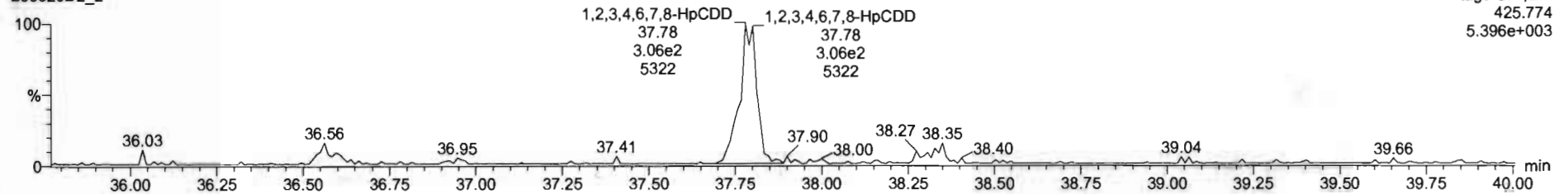
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1,2,3,4,6,7,8-HpCDD

200526D2_2

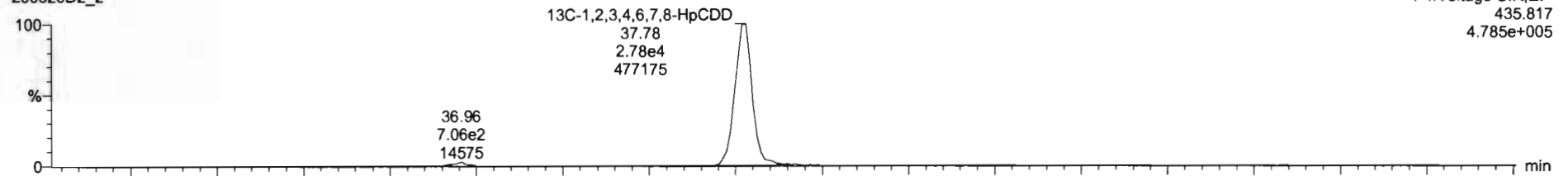


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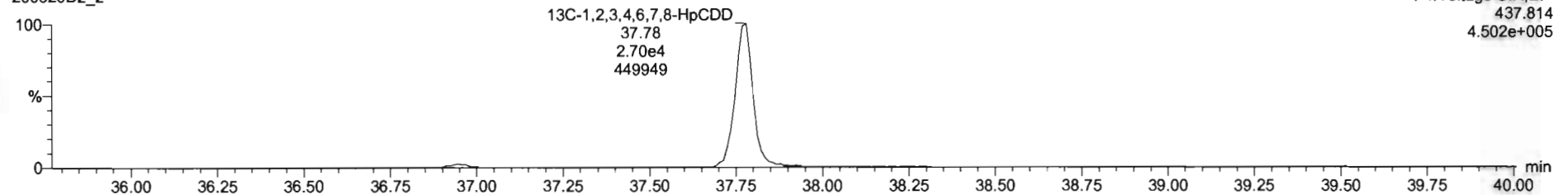


13C-1,2,3,4,6,7,8-HpCDD

200526D2_2



200526D2_2



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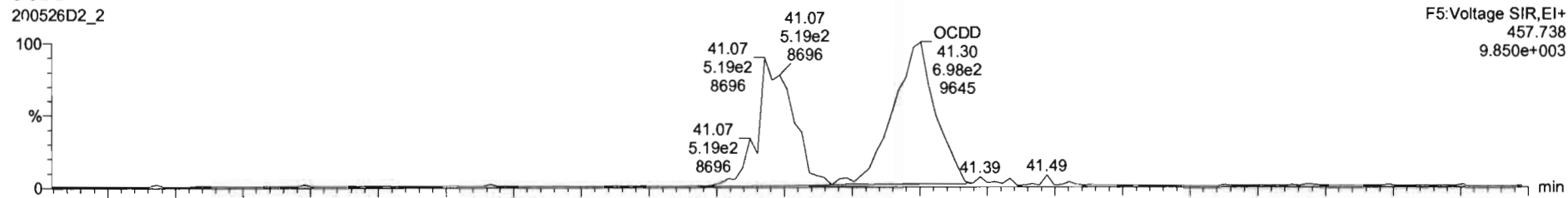
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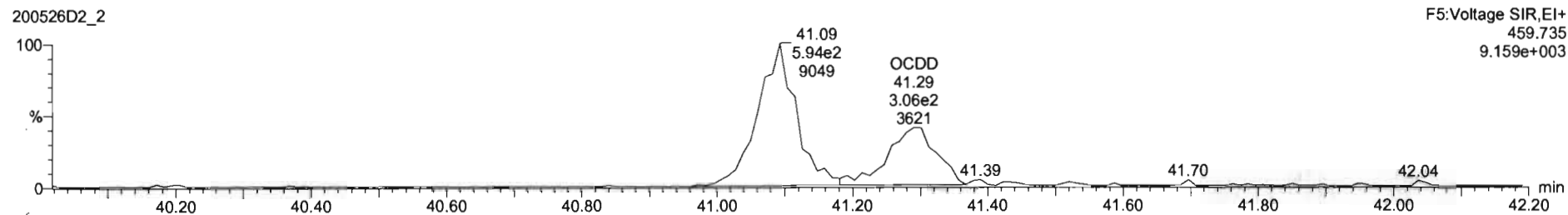
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OCDD

200526D2_2

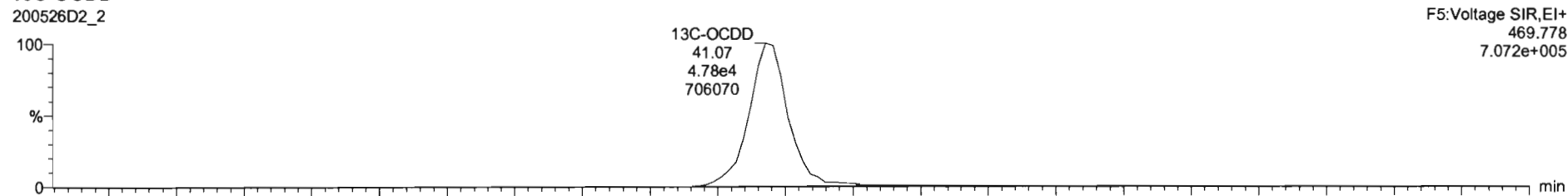


200526D2_2

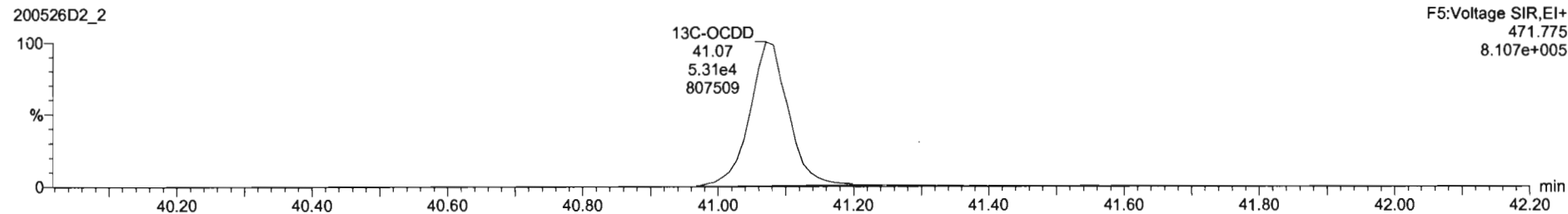


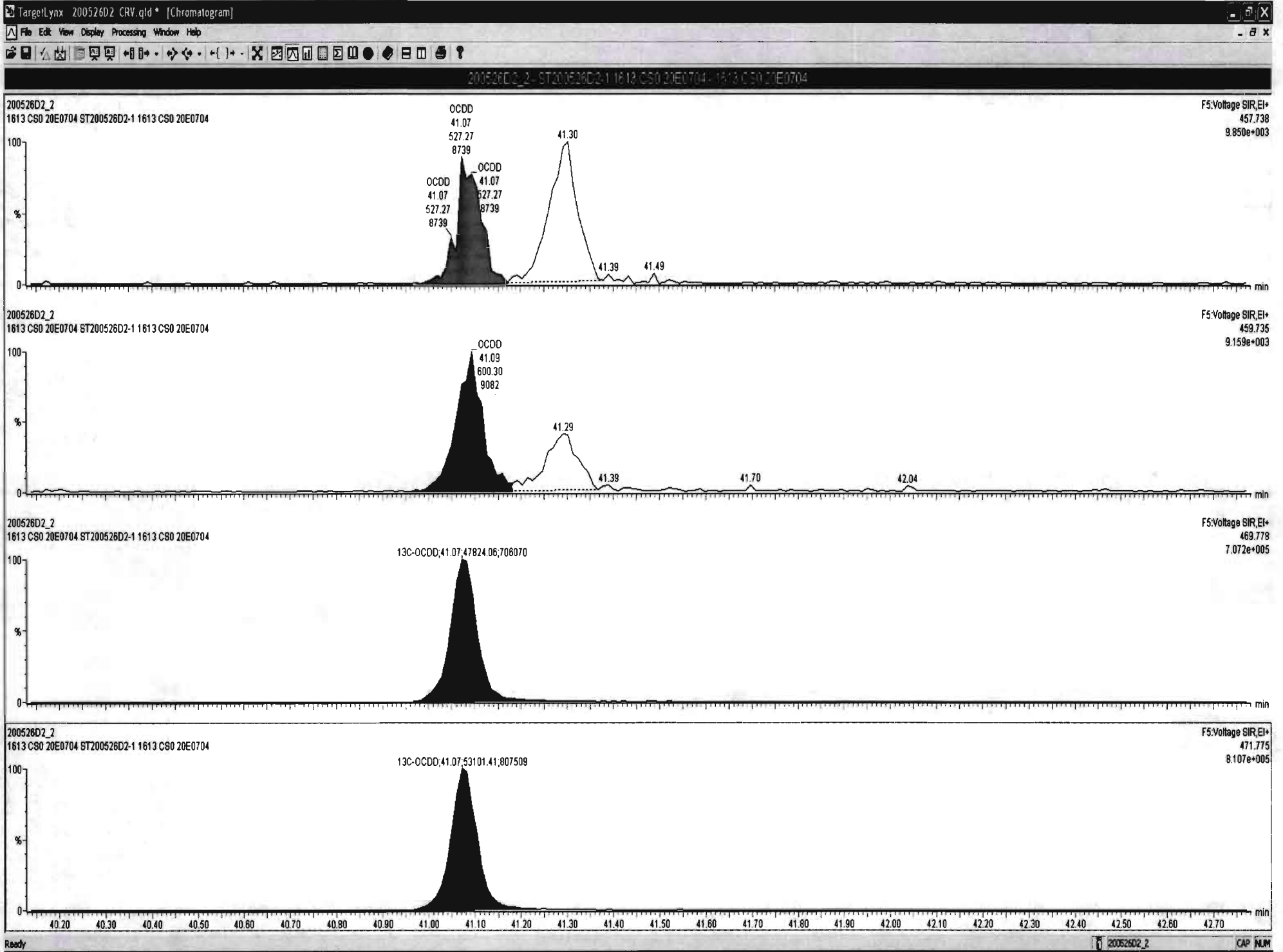
13C-OCDD

200526D2_2



200526D2_2





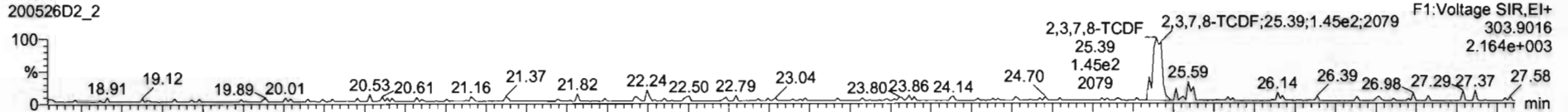
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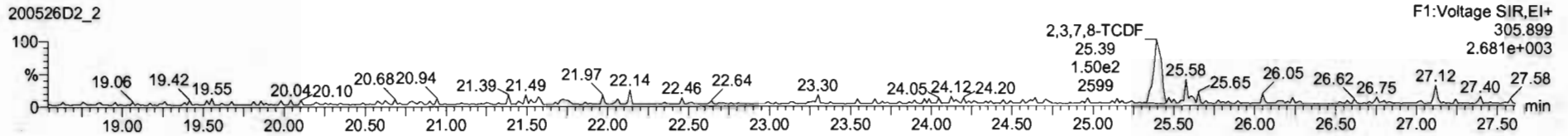
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2,3,7,8-TCDF

200526D2_2

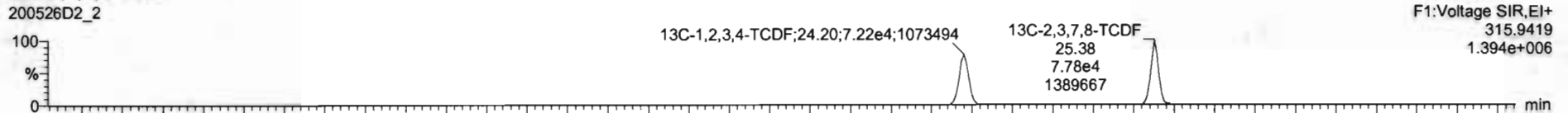


200526D2_2

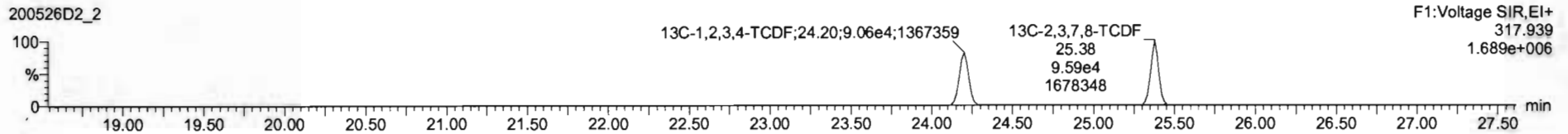


13C-2,3,7,8-TCDF

200526D2_2

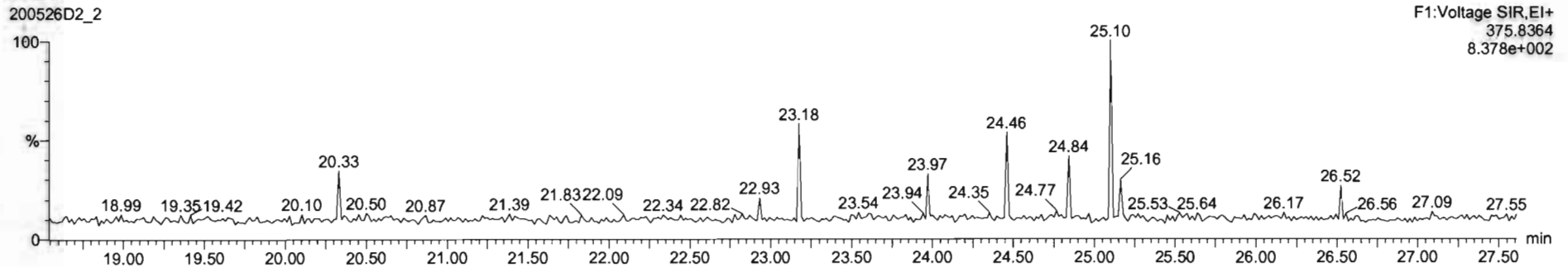


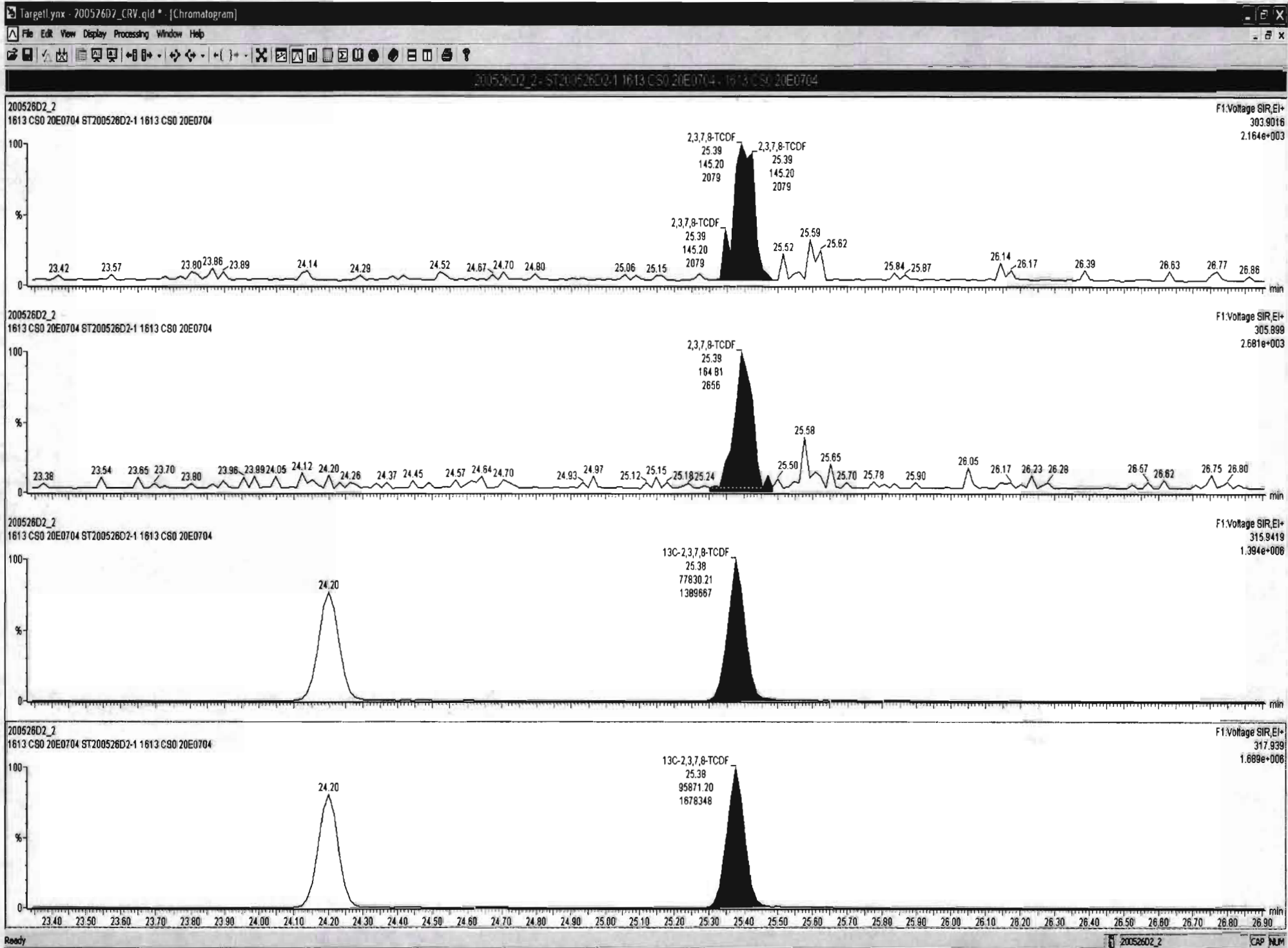
200526D2_2



DPE1

200526D2_2





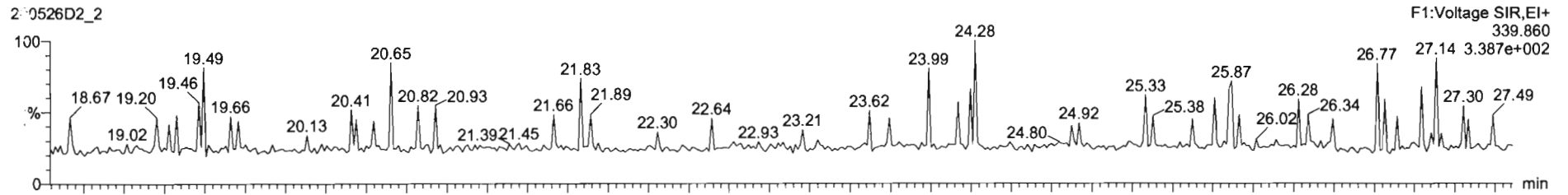
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

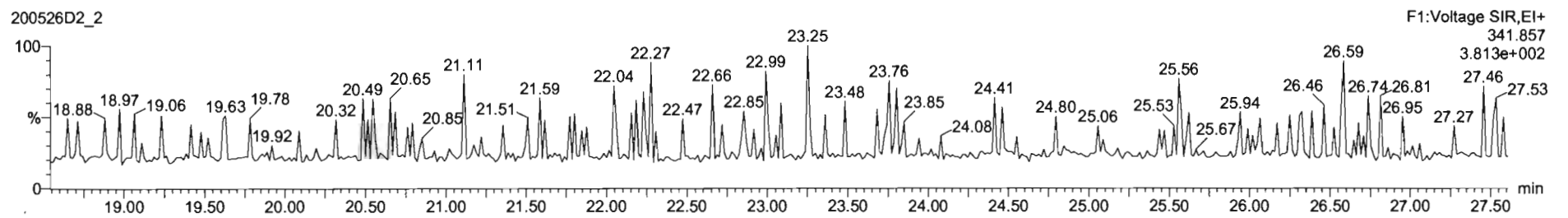
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1st Func. Penta-Furans

200526D2_2

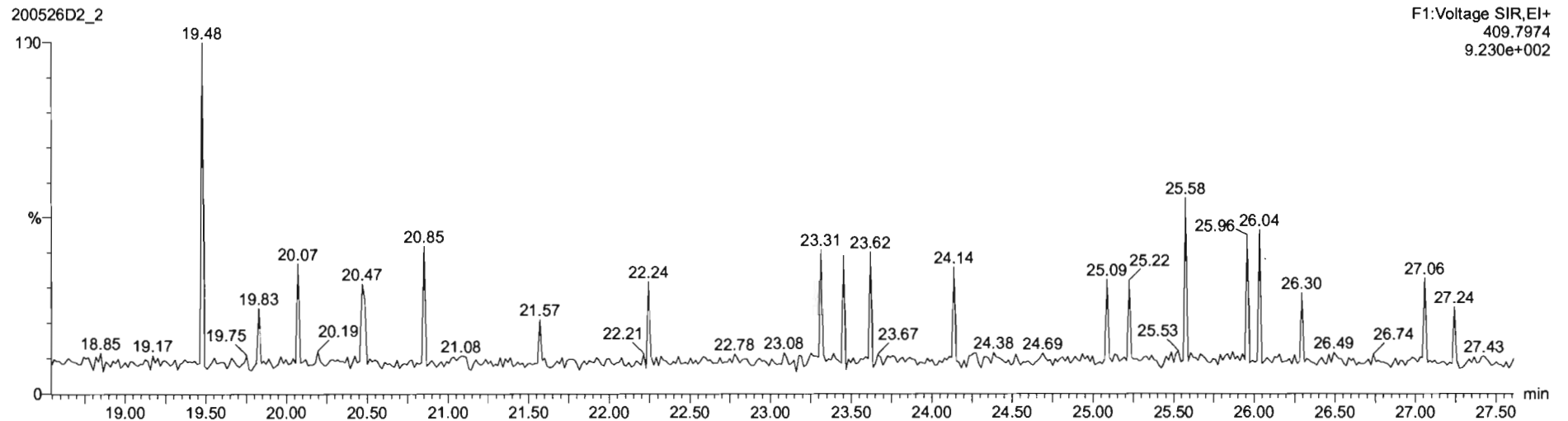


200526D2_2



DPE6

200526D2_2



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

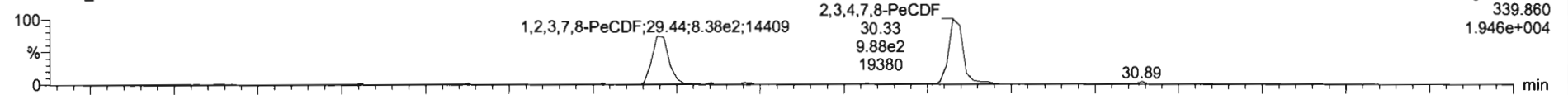
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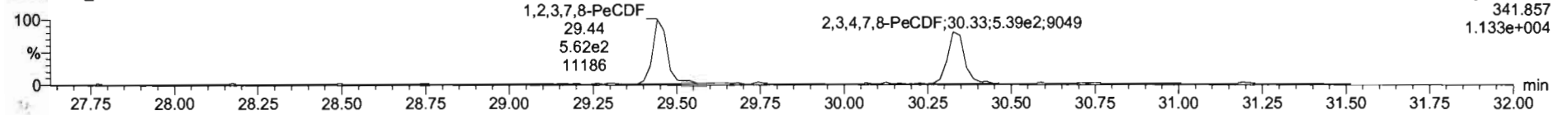
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1,2,3,7,8-PeCDF

200526D2_2

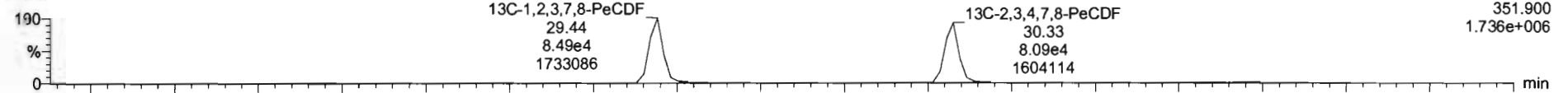


200526D2_2

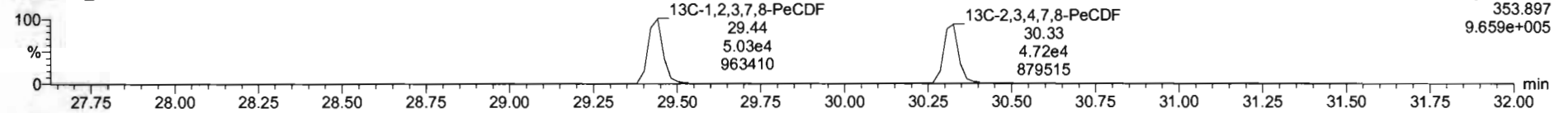


13C-1,2,3,7,8-PeCDF

200526D2_2

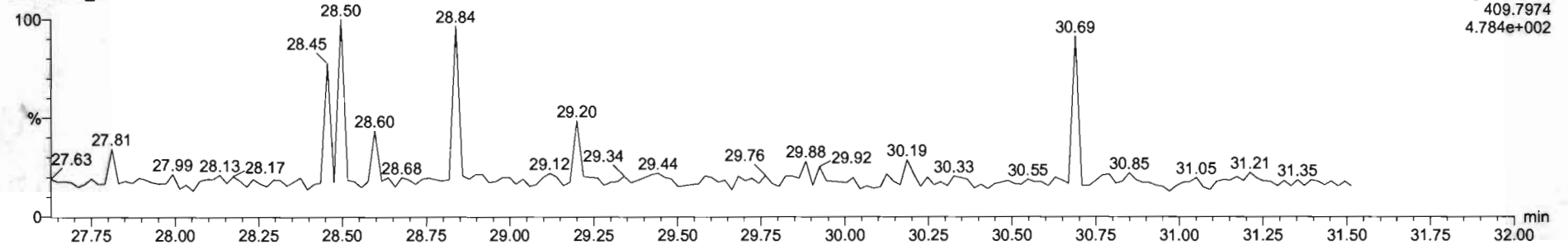


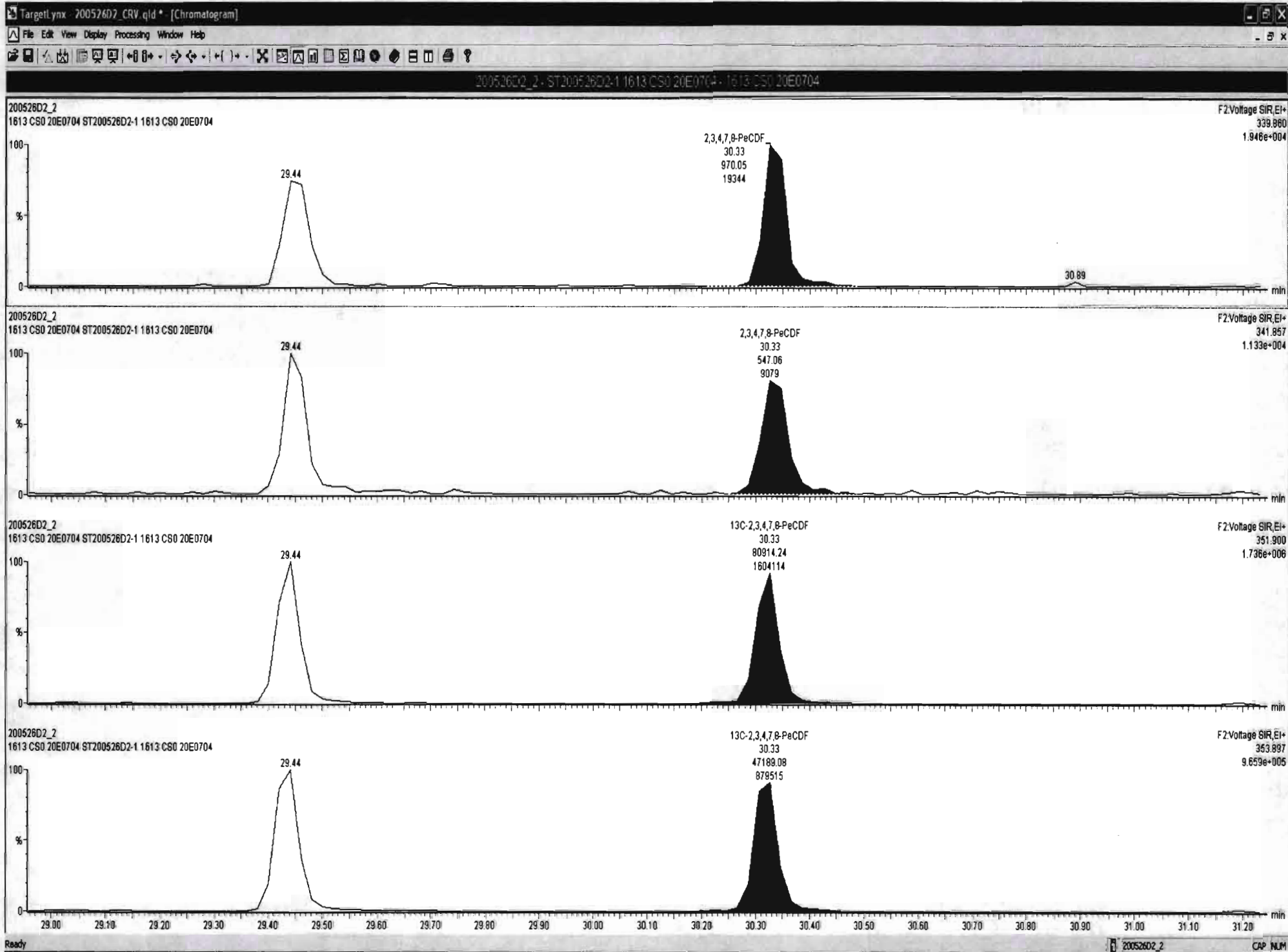
200526D2_2



DPE2

200526D2_2





Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

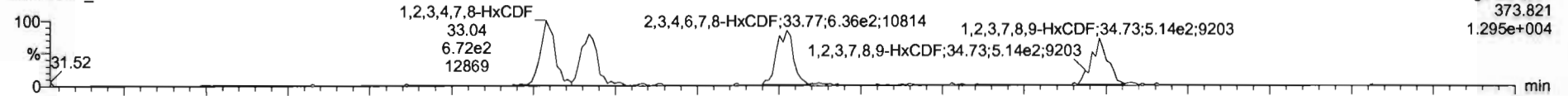
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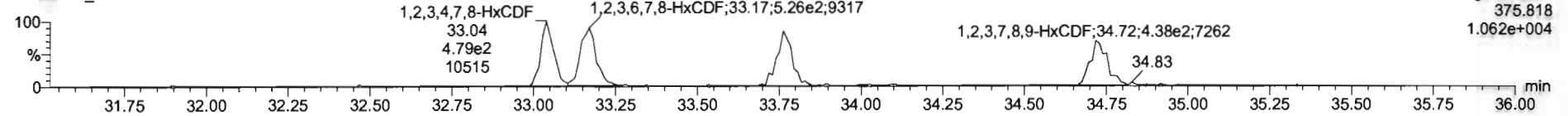
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1,2,3,4,7,8-HxCDF

200526D2_2

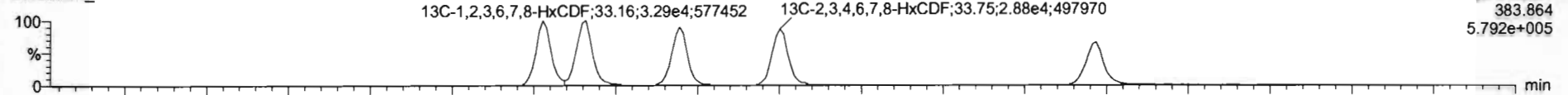


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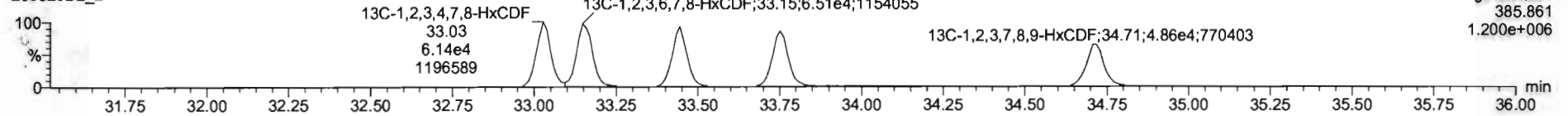


13C-1,2,3,4,7,8-HxCDF

200526D2_2

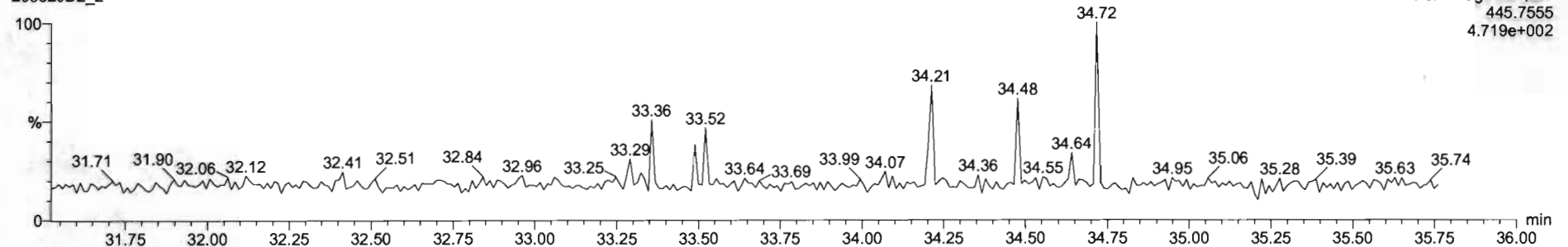


200526D2_2



DPE3

200526D2_2



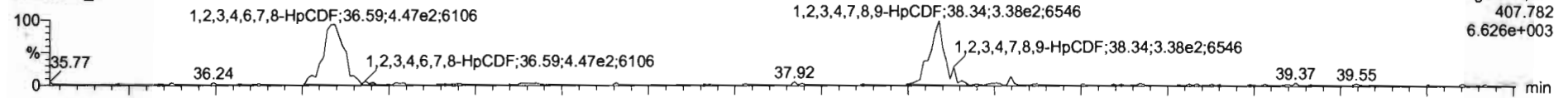
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

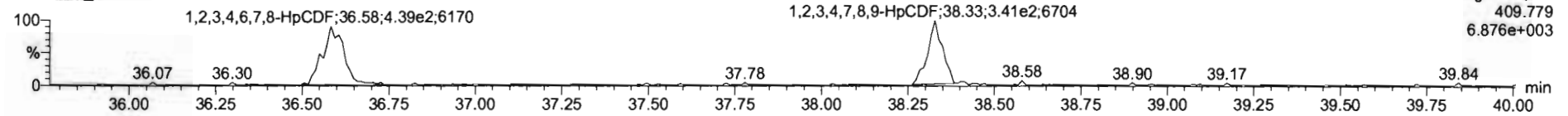
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1,2,3,4,6,7,8-HpCDF

200526D2_2

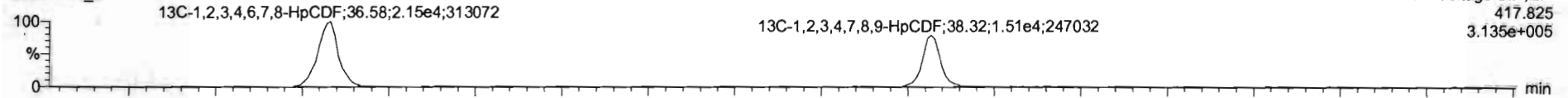


200526D2_2

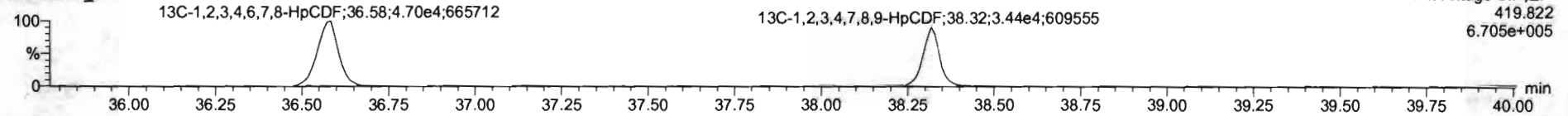


13C-1,2,3,4,6,7,8-HpCDF

200526D2_2

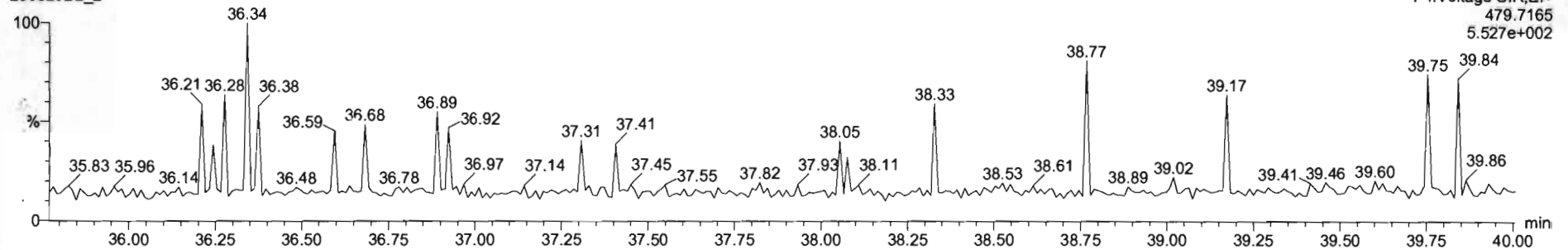


200526D2_2



DPE4

200526D2_2



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

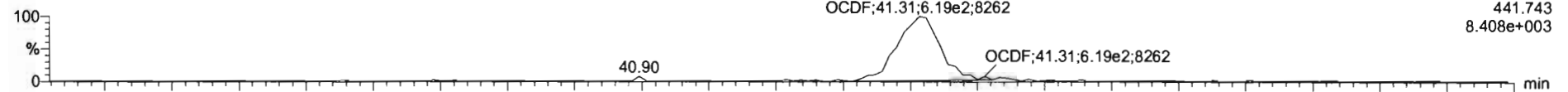
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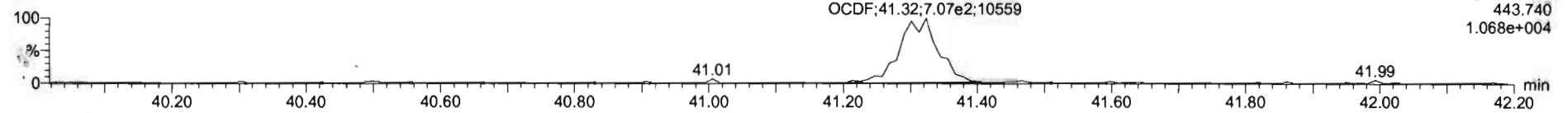
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OCDF

200526D2_2

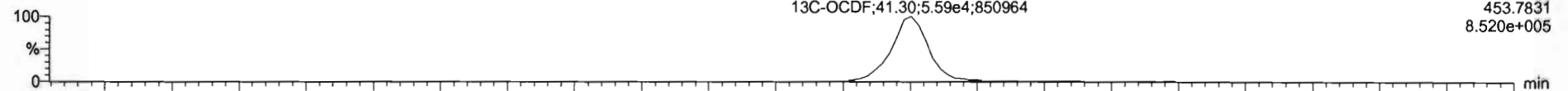


200526D2_2

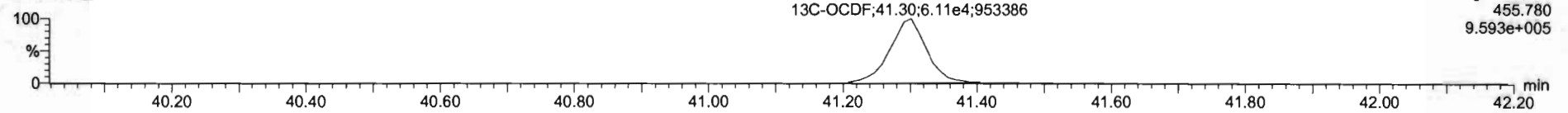


13C-OCDF

200526D2_2

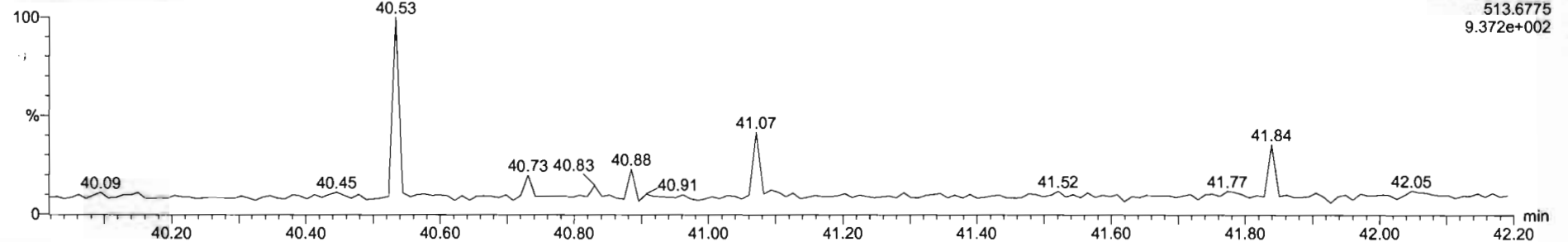


200526D2_2



DPE5

200526D2_2

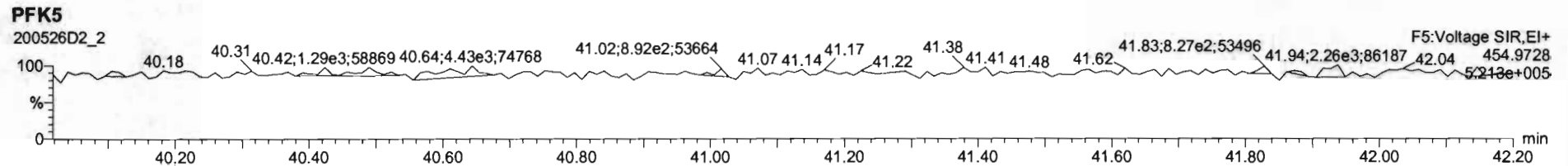
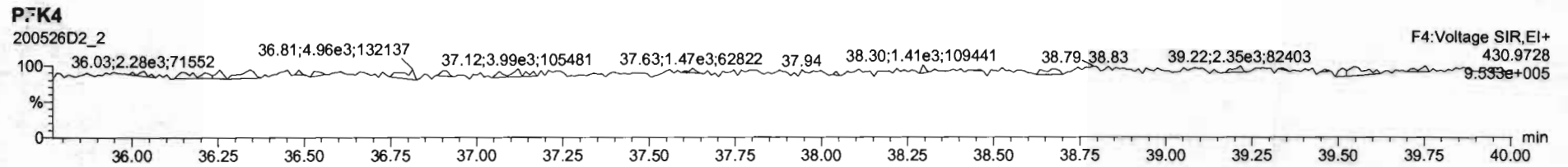
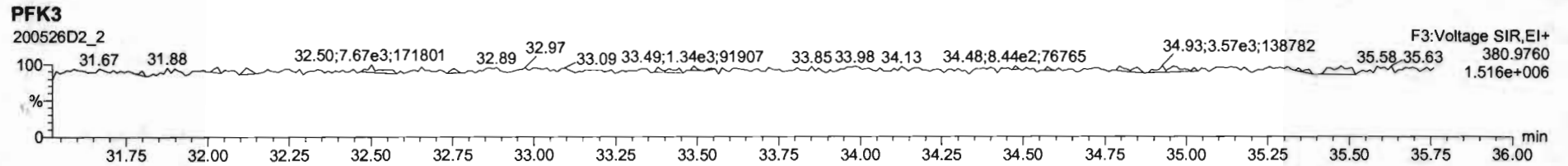
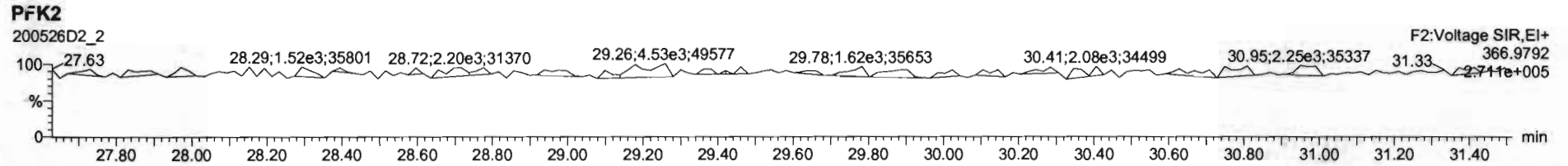
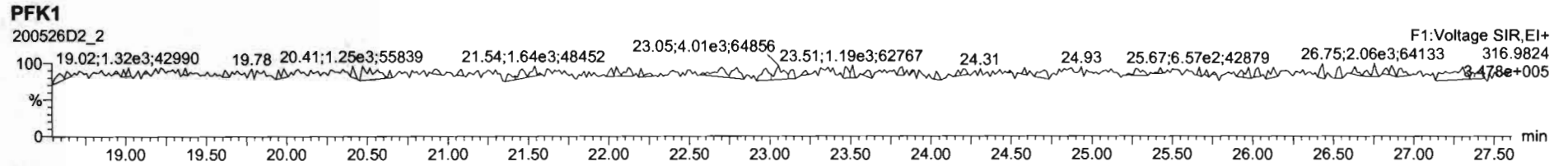


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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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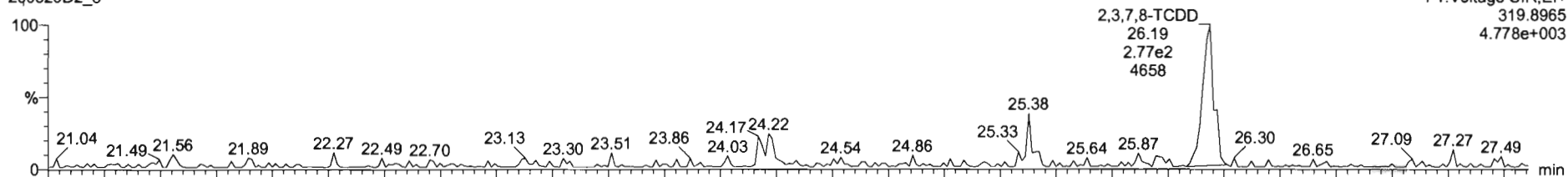
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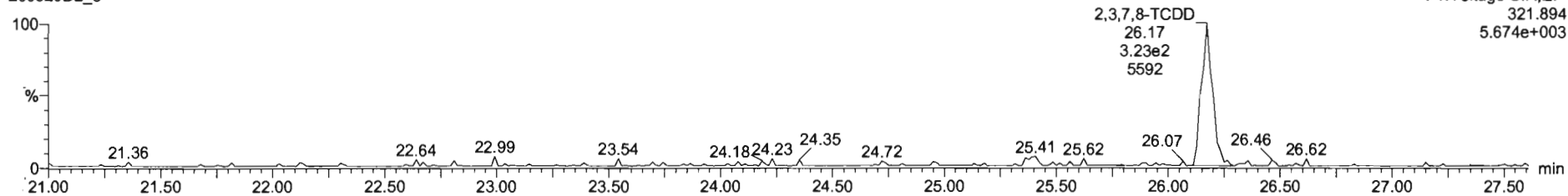
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2,3,7,8-TCDD

200526D2_3

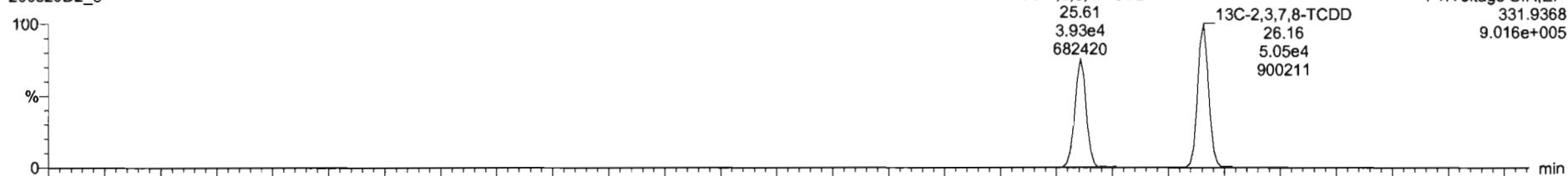


200526D2_3

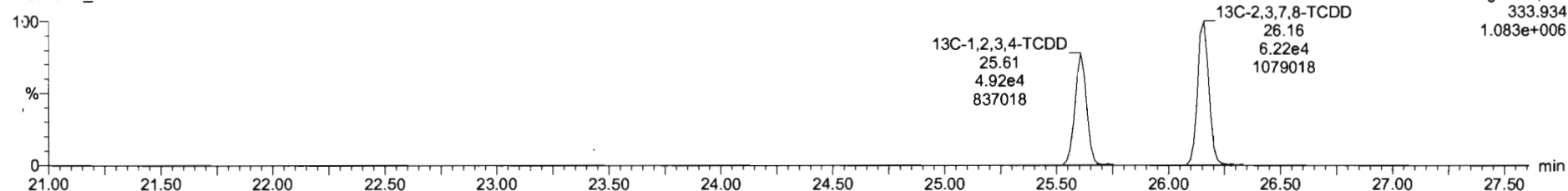


13C-2,3,7,8-TCDD

200526D2_3



200526D2_3



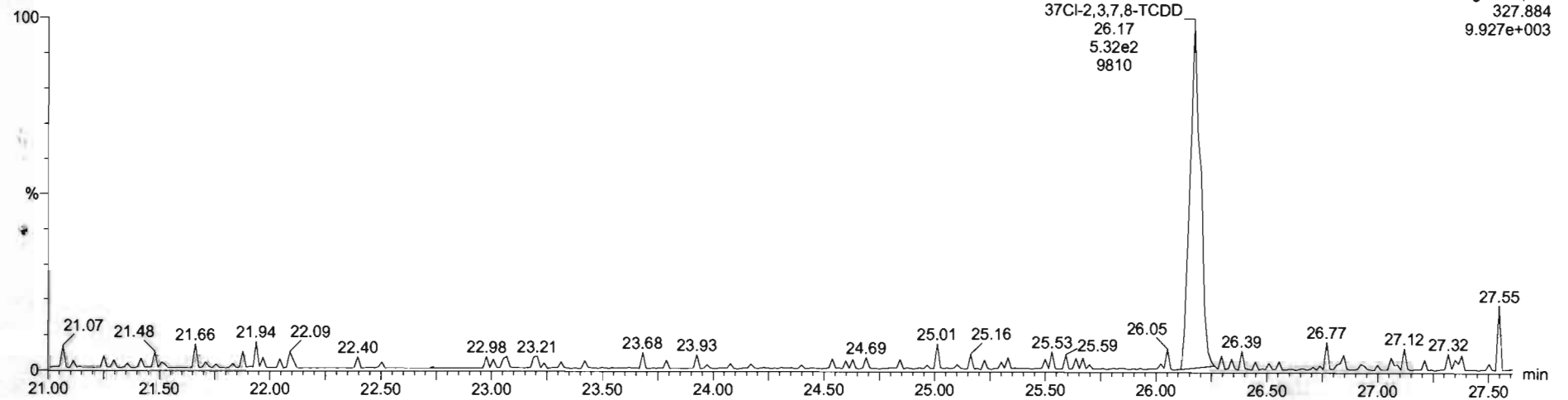
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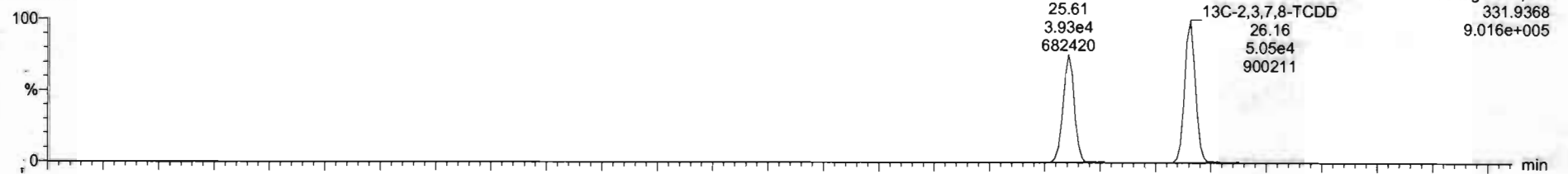
37Cl-2,3,7,8-TCDD

200526D2_3

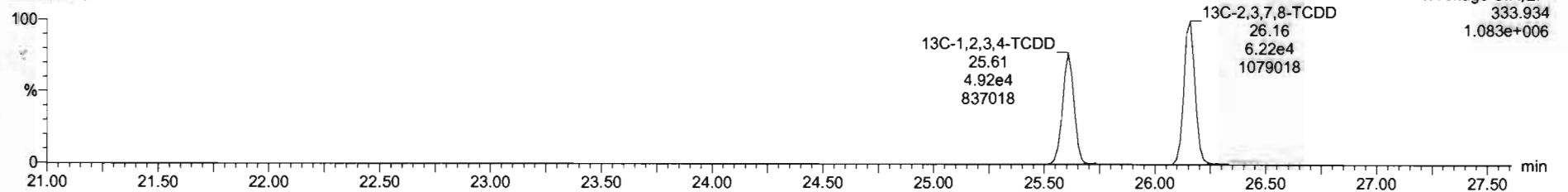


13C-1,2,3,4-TCDD

200526D2_3



200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

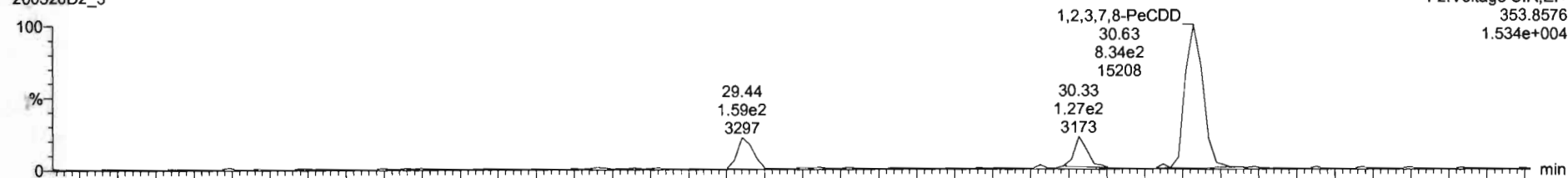
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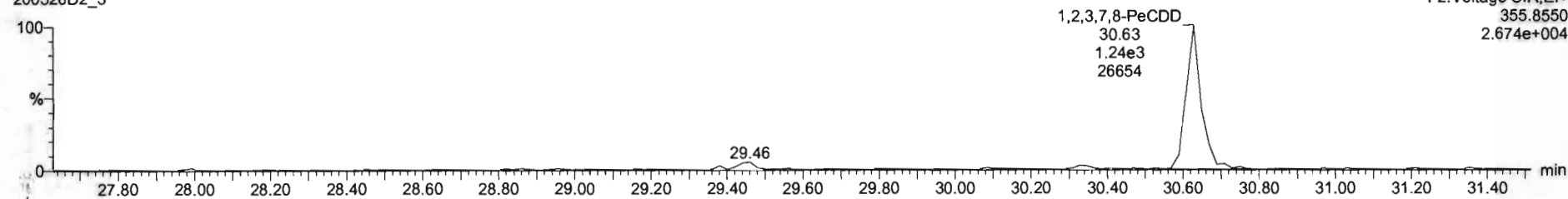
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1,2,3,7,8-PeCDD

200526D2_3

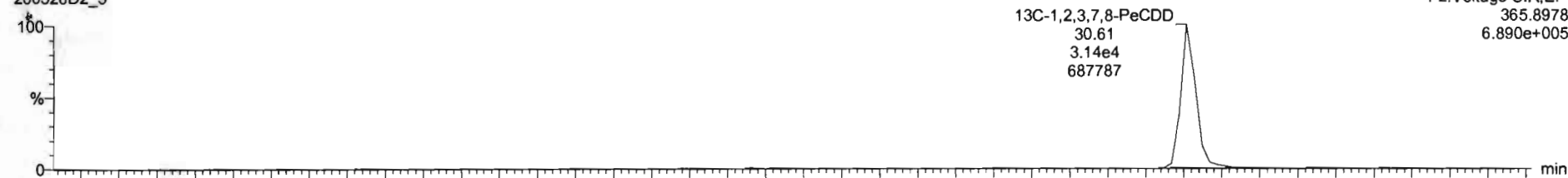


200526D2_3

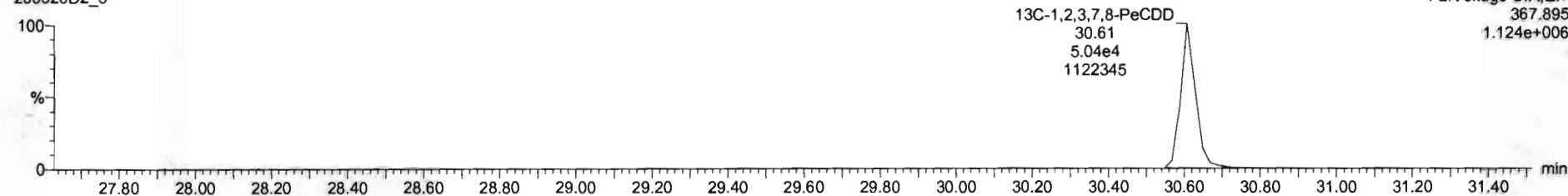


13C-1,2,3,7,8-PeCDD

200526D2_3



200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

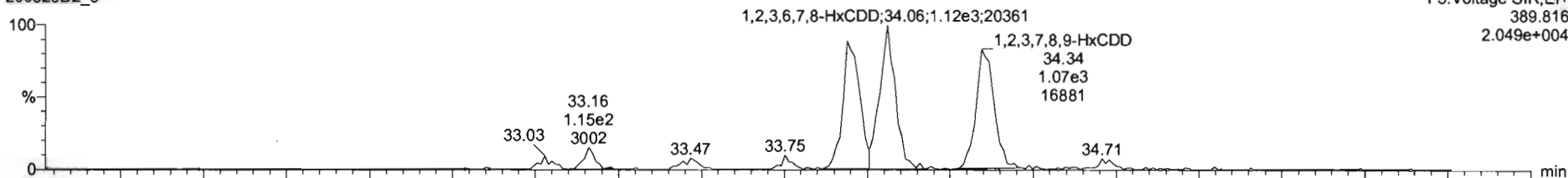
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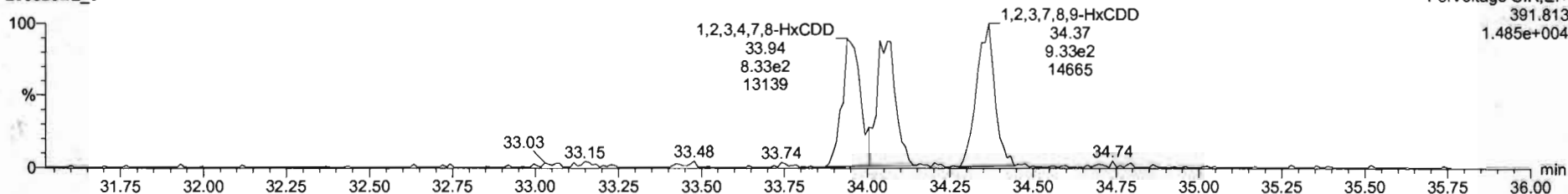
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1,2,3,4,7,8-HxCDD

200526D2_3

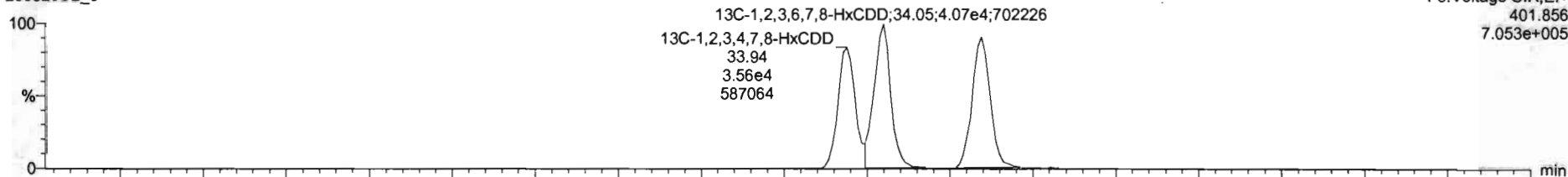


200526D2_3

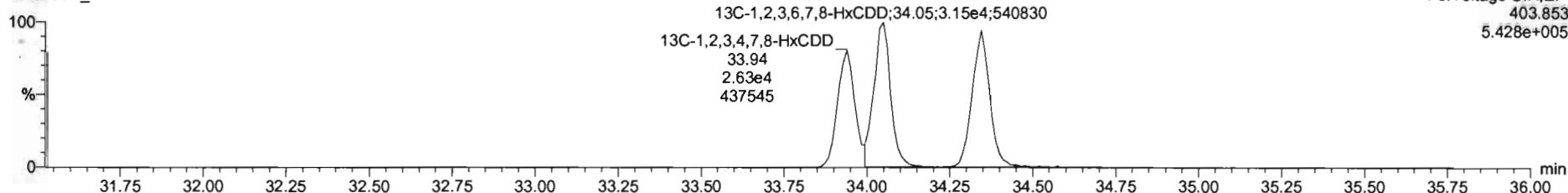


13C-1,2,3,4,7,8-HxCDD

200526D2_3



200526D2_3



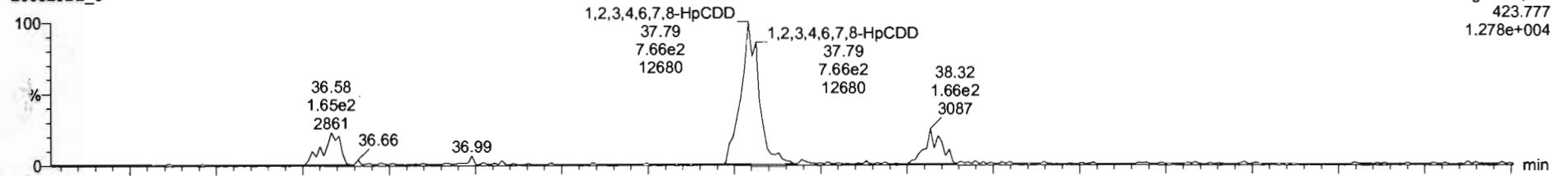
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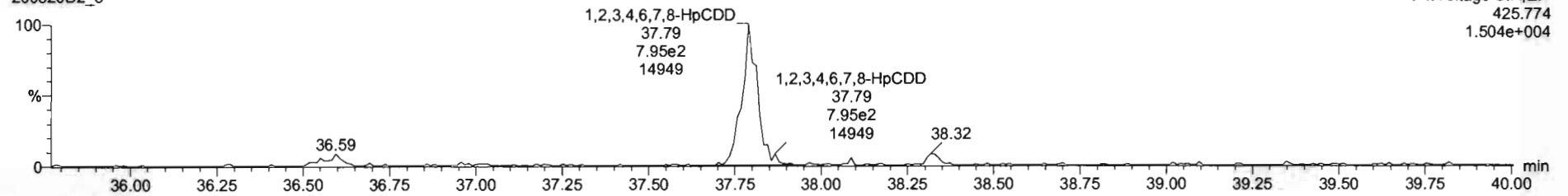
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1,2,3,4,6,7,8-HpCDD

200526D2_3

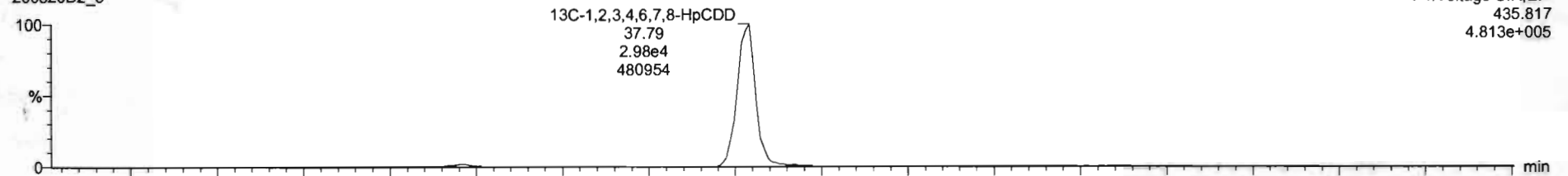


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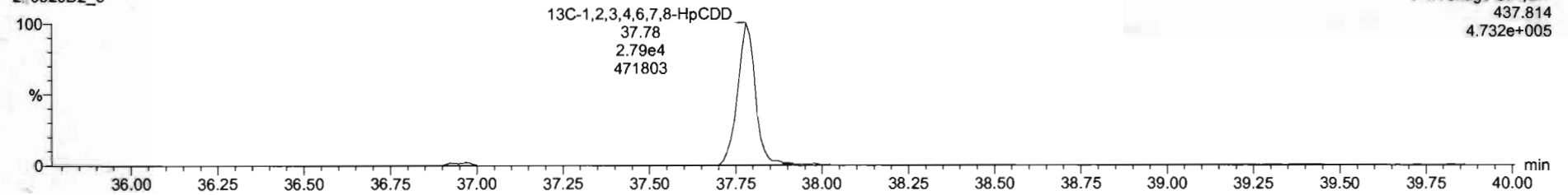


13C-1,2,3,4,6,7,8-HpCDD

200526D2_3



200526D2_3



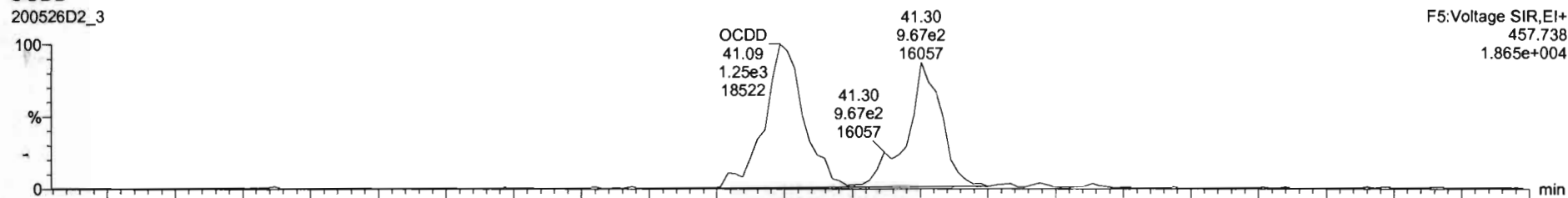
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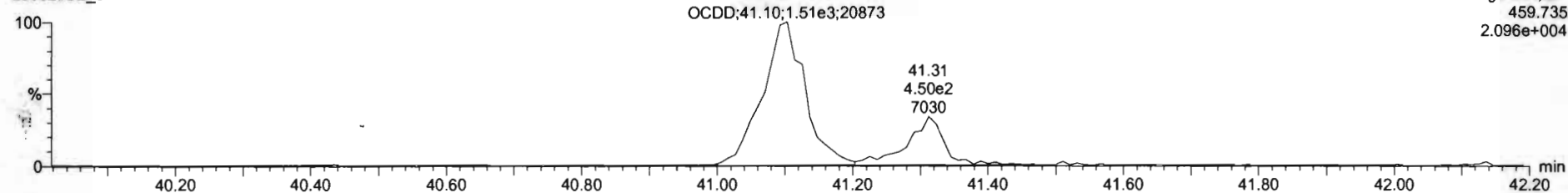
OCDD

200526D2_3



F5:Voltage SIR,EI+
457.738
1.865e+004

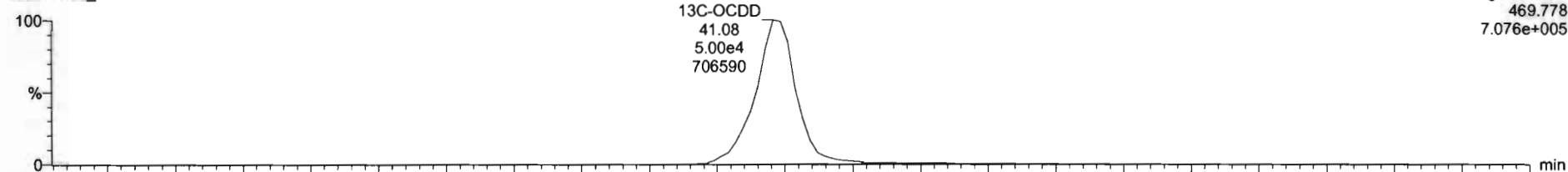
200526D2_3



F5:Voltage SIR,EI+
459.735
2.096e+004

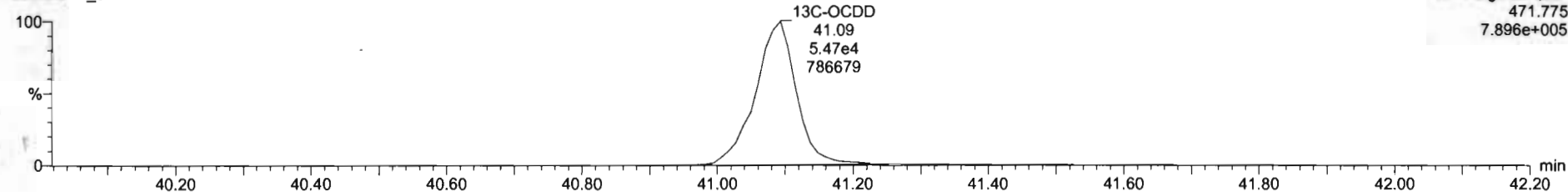
13C-OCDD

200526D2_3



F5:Voltage SIR,EI+
469.778
7.076e+005

200526D2_3



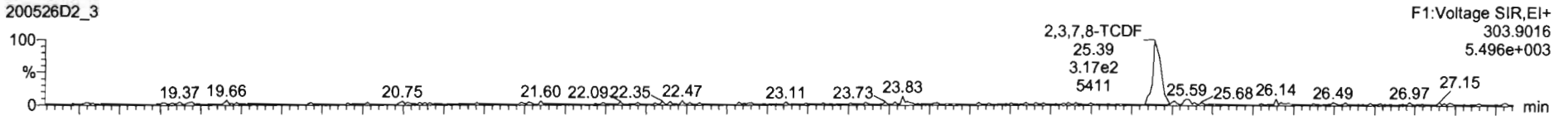
F5:Voltage SIR,EI+
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7.896e+005

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

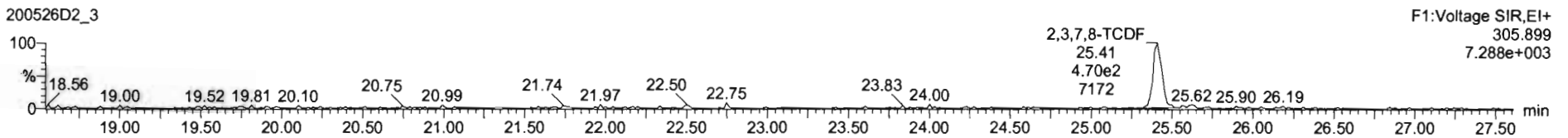
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2,3,7,8-TCDF
200526D2_3

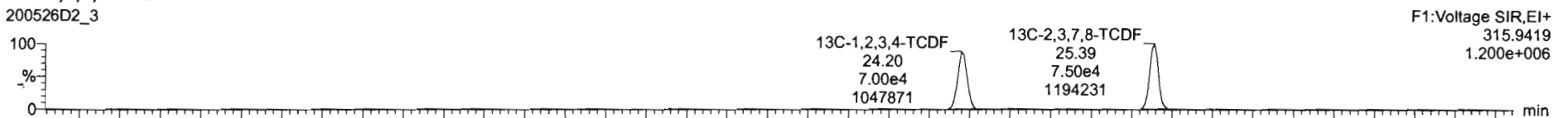


200526D2_3

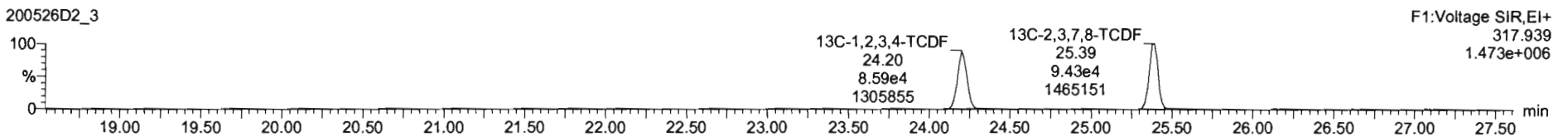


13C-2,3,7,8-TCDF

200526D2_3

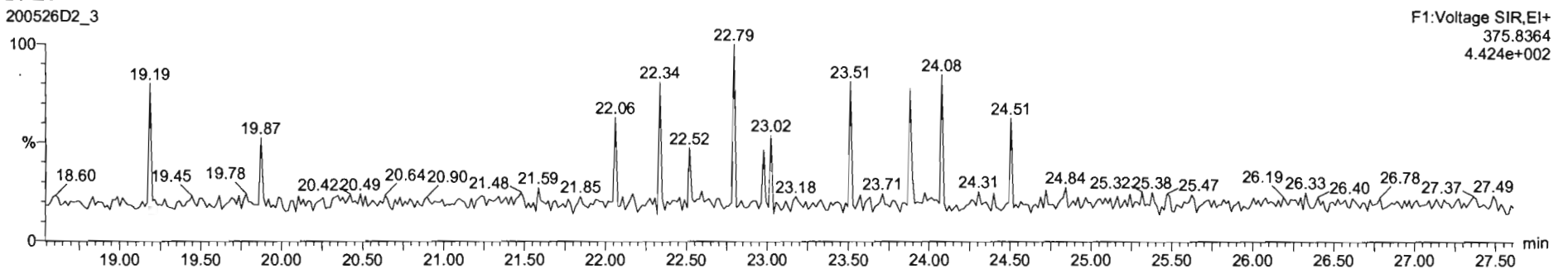


200526D2_3



DPE1

200526D2_3

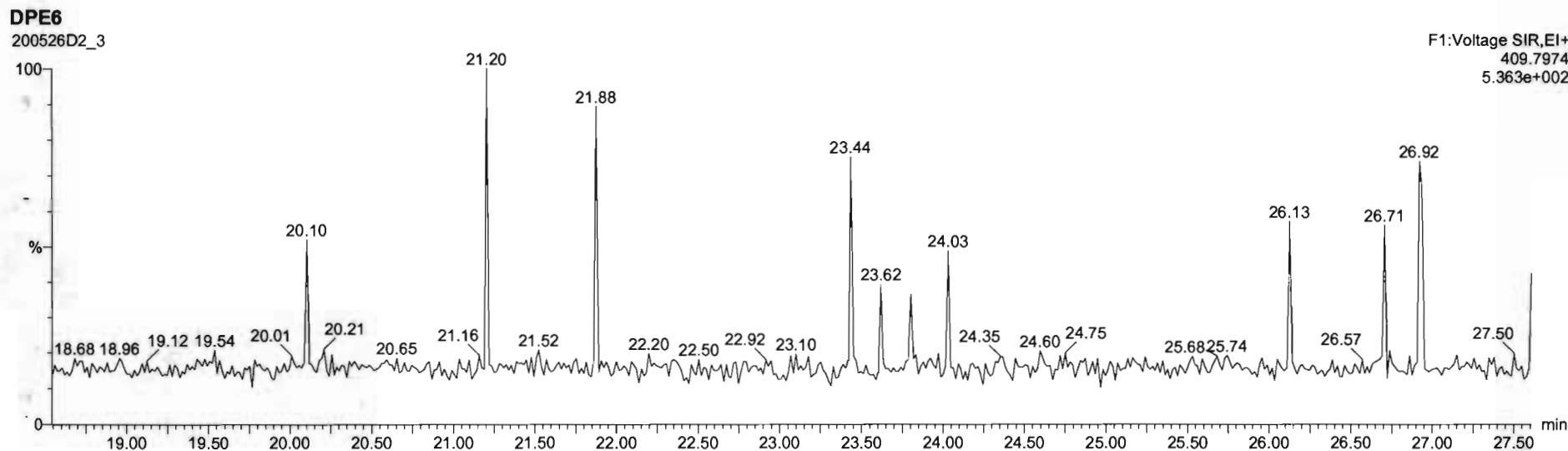
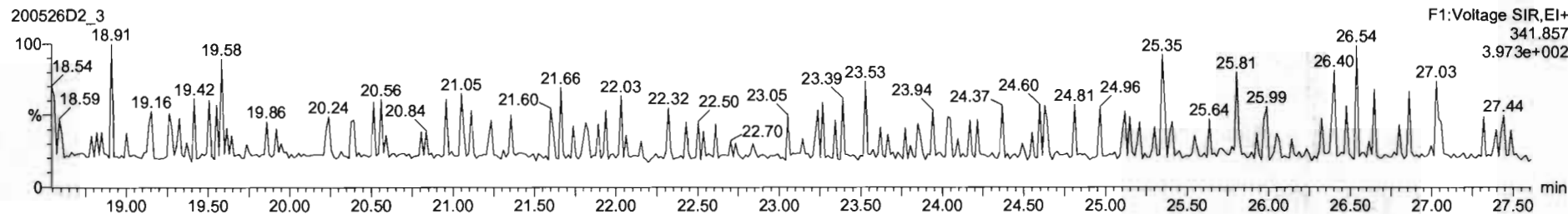
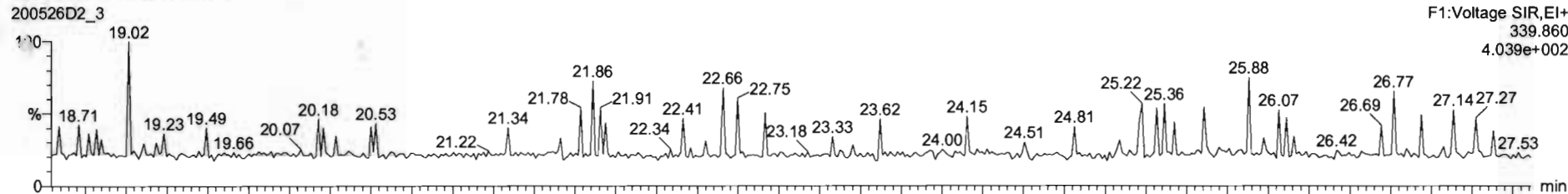


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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

1st Func. Penta-Furans



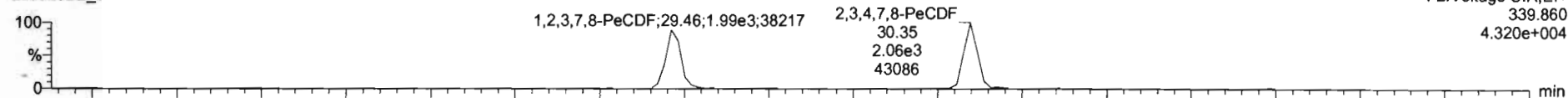
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

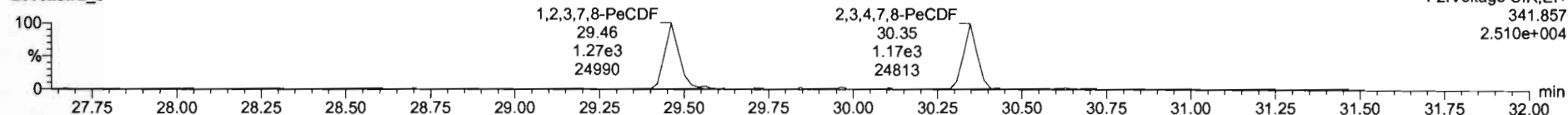
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1,2,3,7,8-PeCDF

200526D2_3

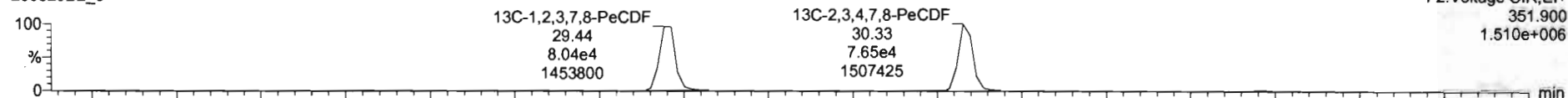


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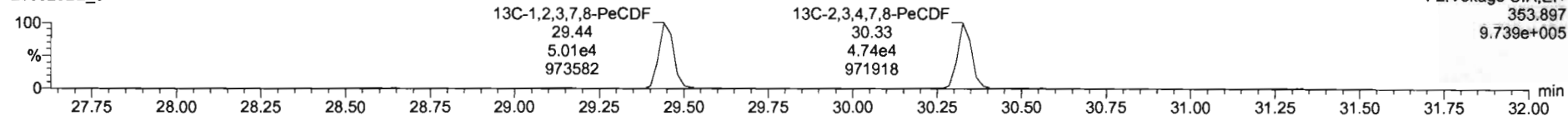


13C-1,2,3,7,8-PeCDF

200526D2_3

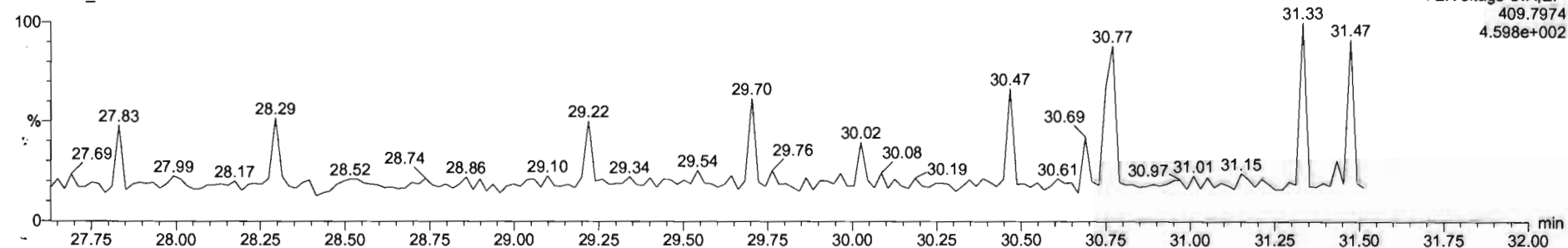


200526D2_3



DPE2

200526D2_3



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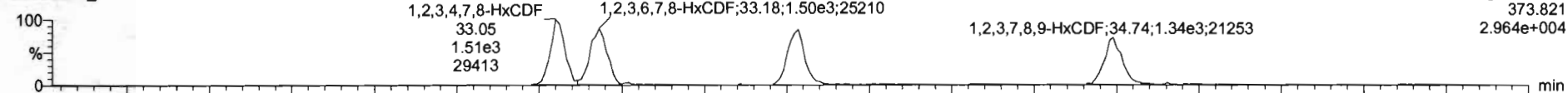
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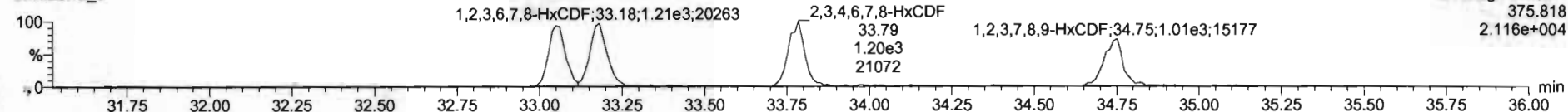
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1,2,3,4,7,8-HxCDF

200526D2_3

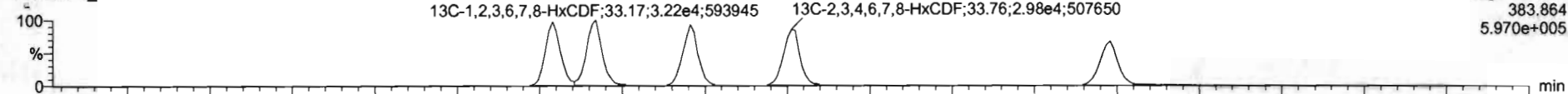


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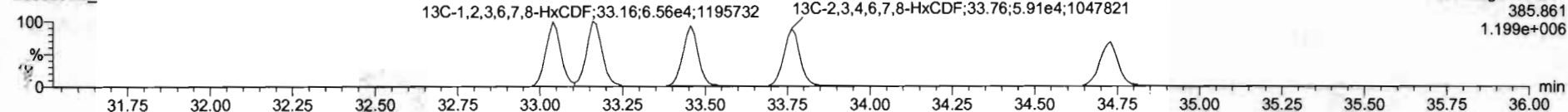


13C-1,2,3,4,7,8-HxCDF

200526D2_3

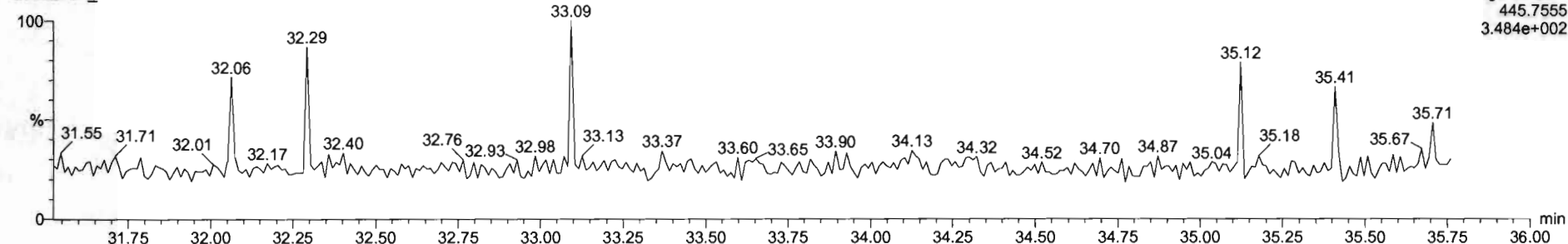


200526D2_3



DPE3

200526D2_3



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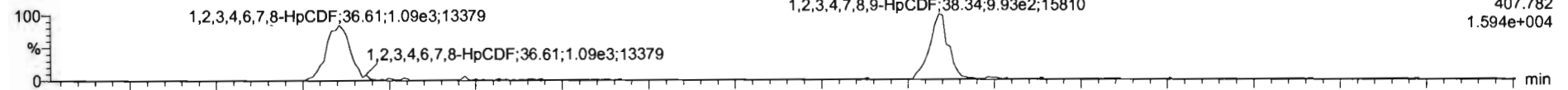
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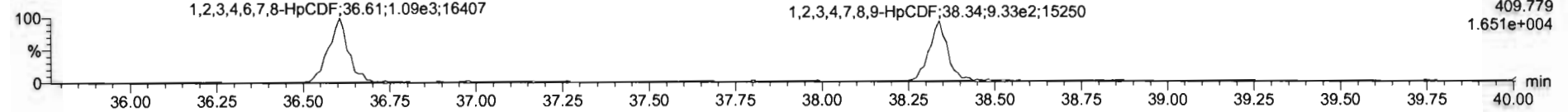
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1, 2, 3, 4, 6, 7, 8-HpCDF

200526D2_3

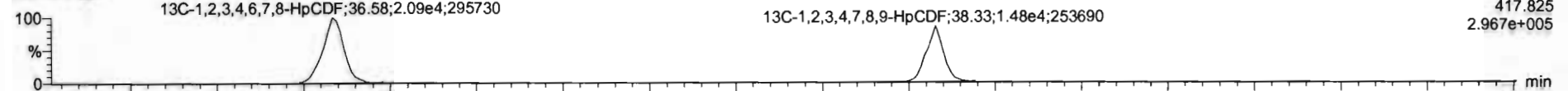


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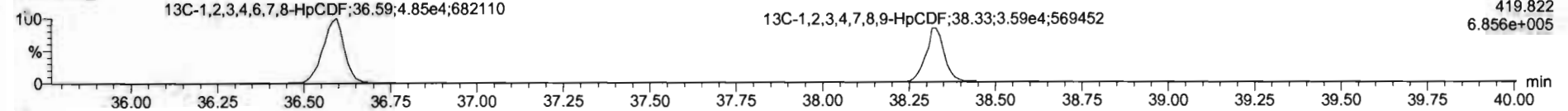


13C-1, 2, 3, 4, 6, 7, 8-HpCDF

200526D2_3

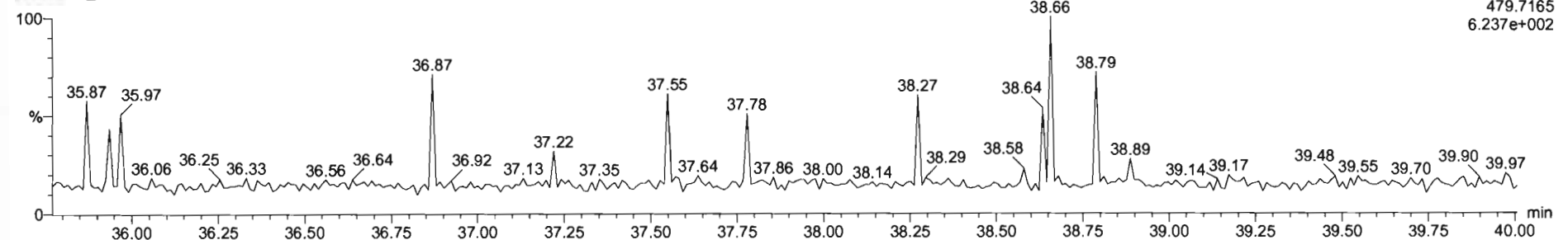


200526D2_3



DPE4

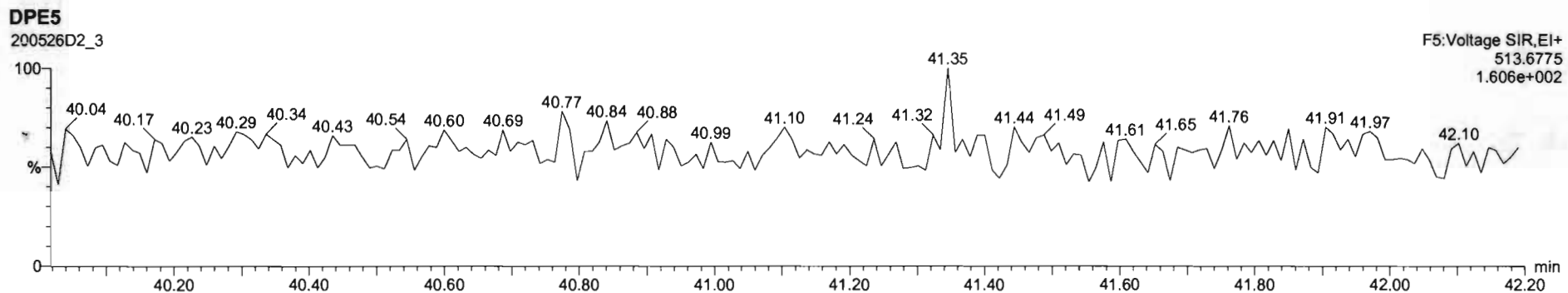
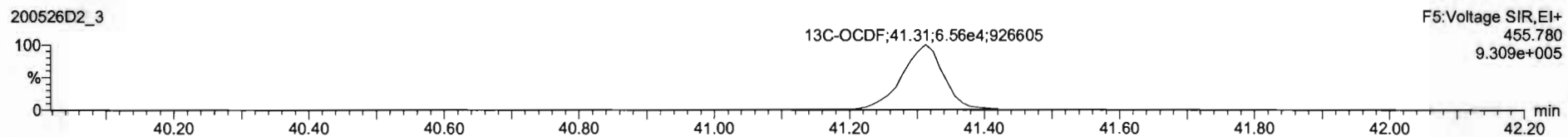
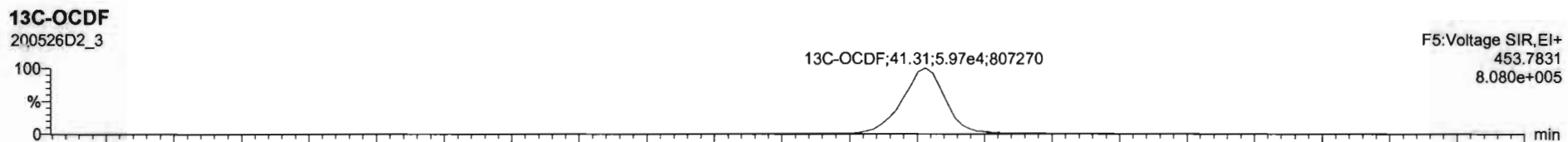
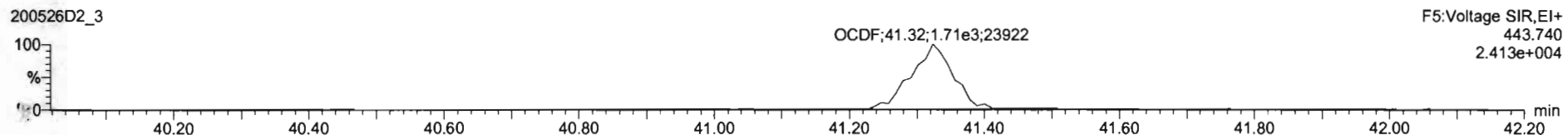
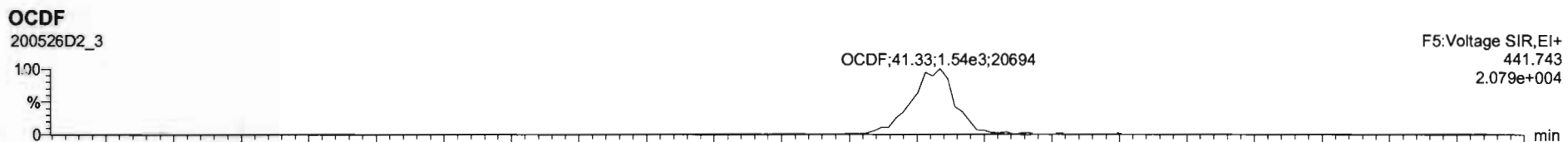
200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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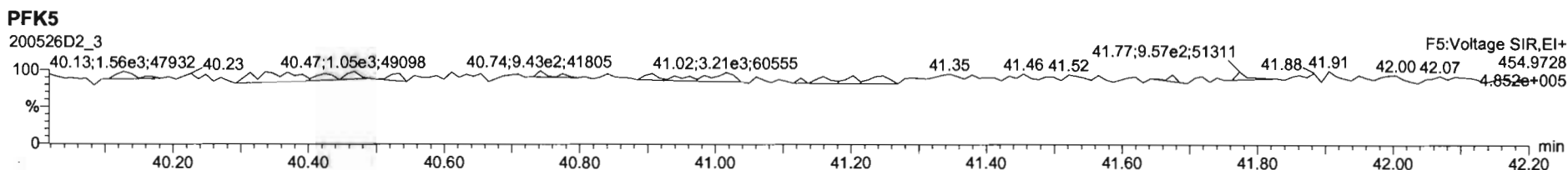
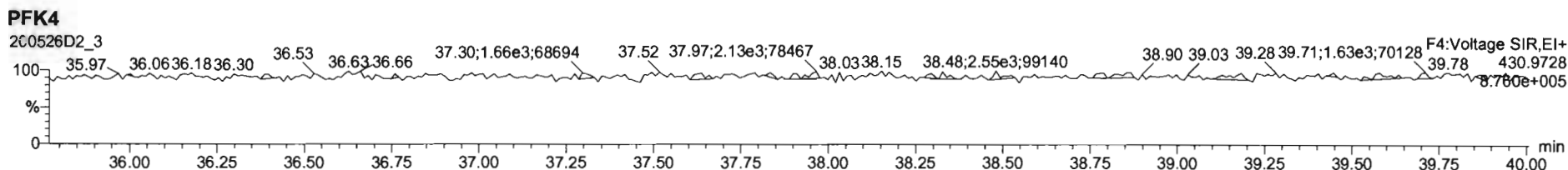
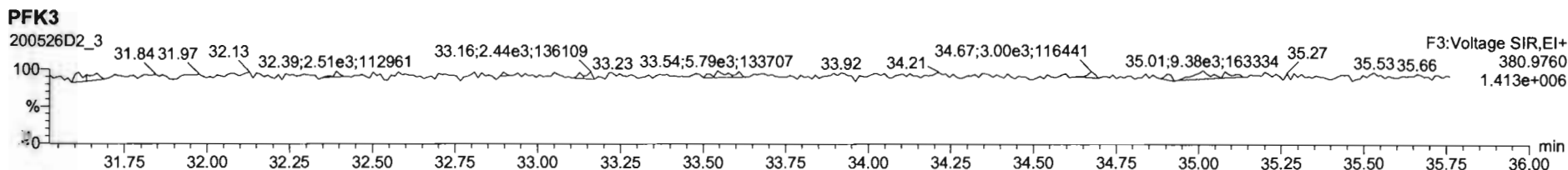
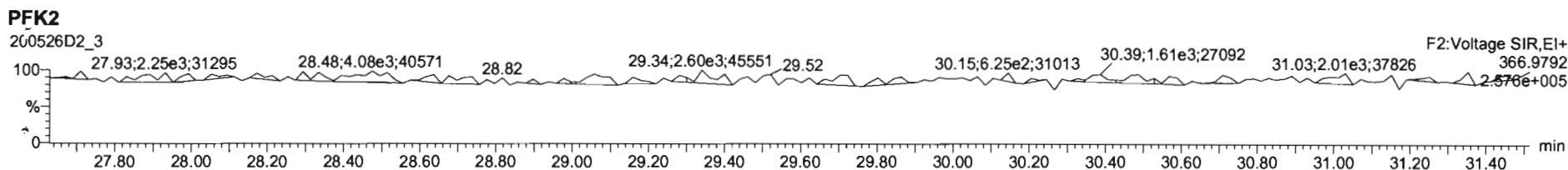
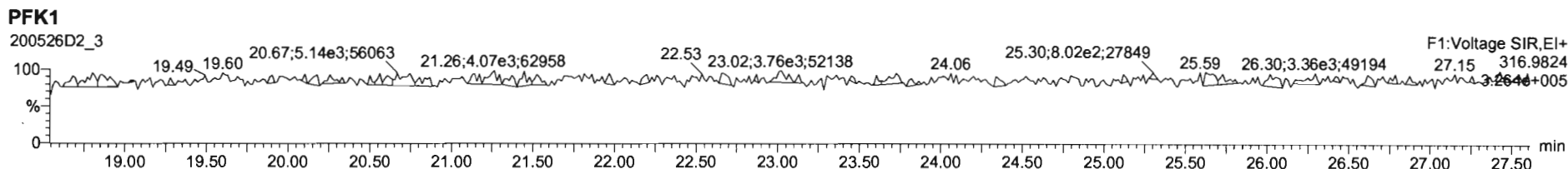
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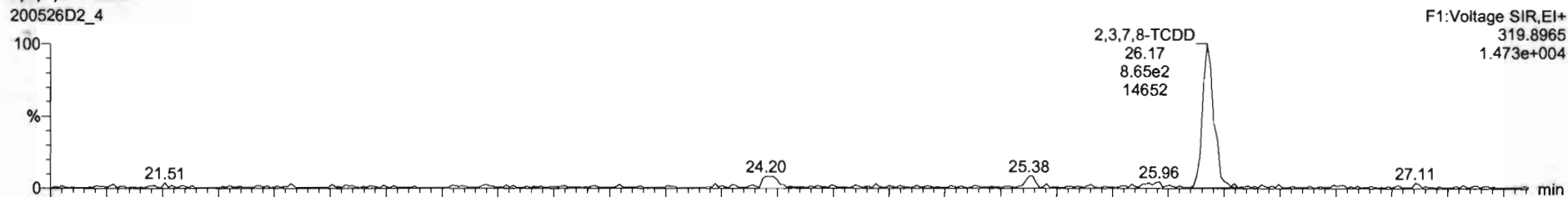
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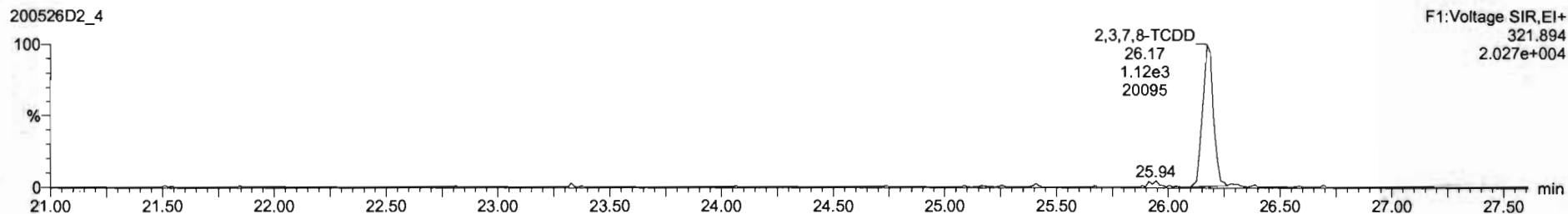
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2,3,7,8-TCDD

200526D2_4

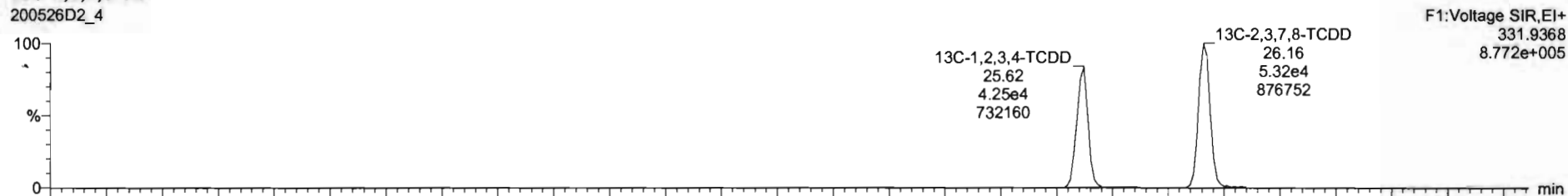


200526D2_4

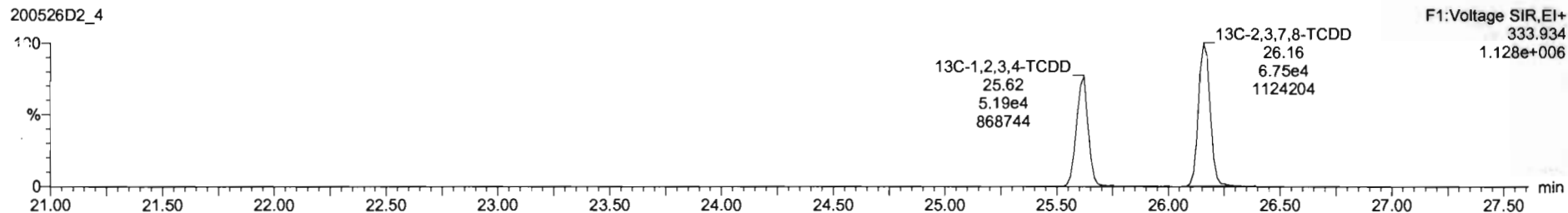


13C-2,3,7,8-TCDD

200526D2_4



200526D2_4



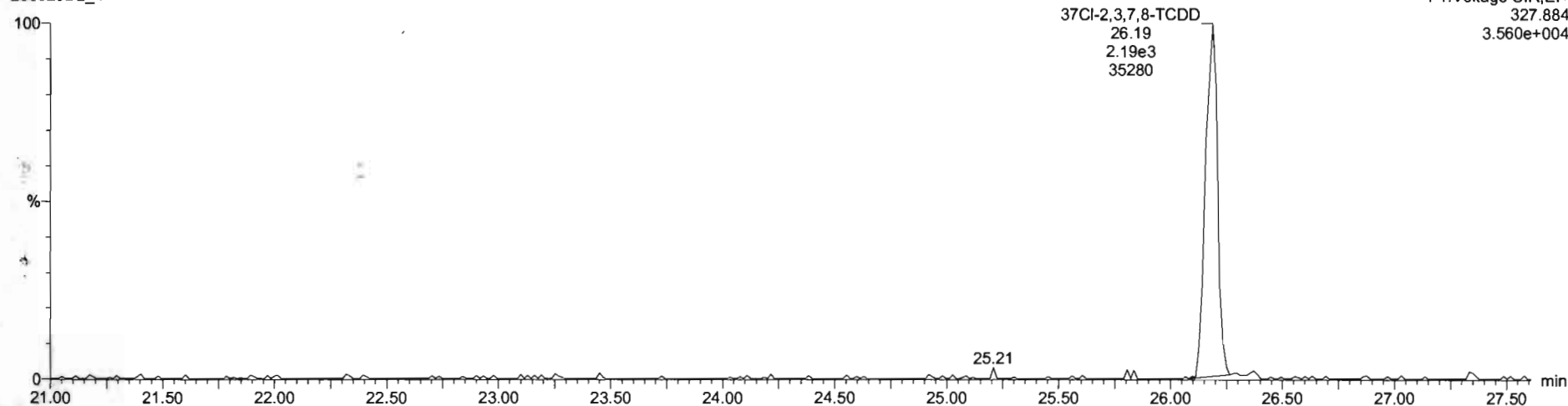
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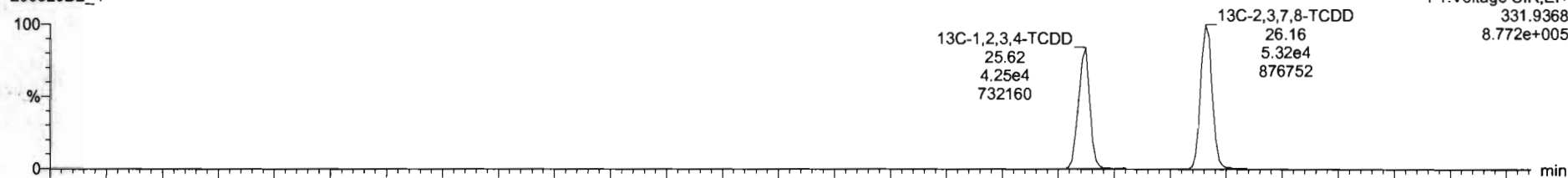
37Cl-2,3,7,8-TCDD

200526D2_4

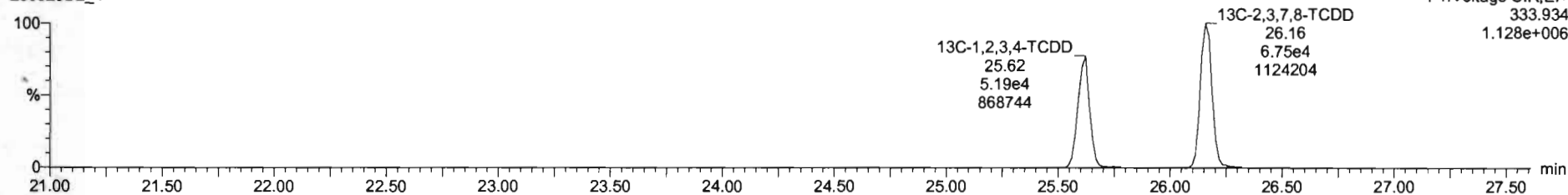


13C-1,2,3,4-TCDD

200526D2_4



200526D2_4



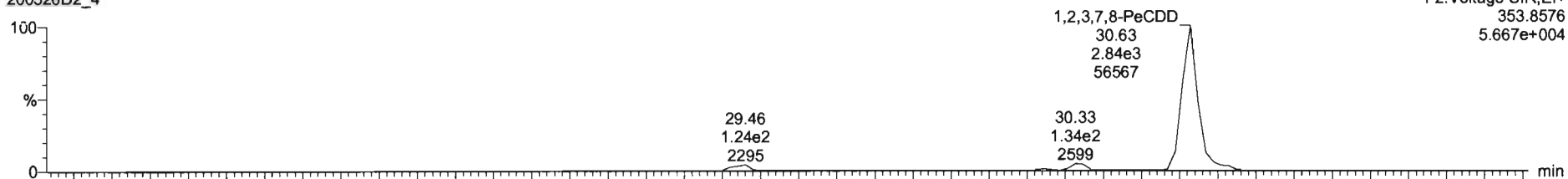
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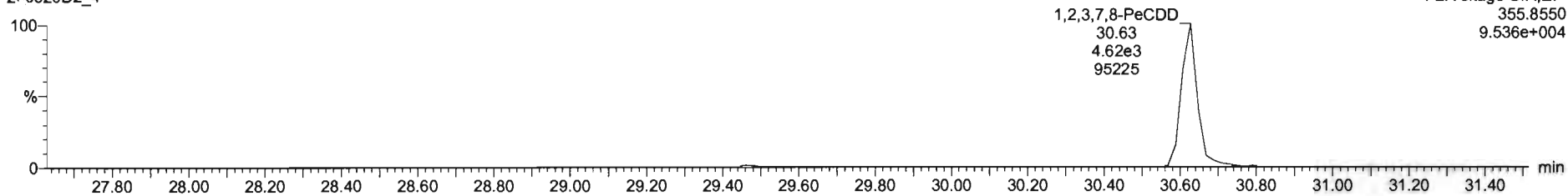
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1,2,3,7,8-PeCDD

200526D2_4

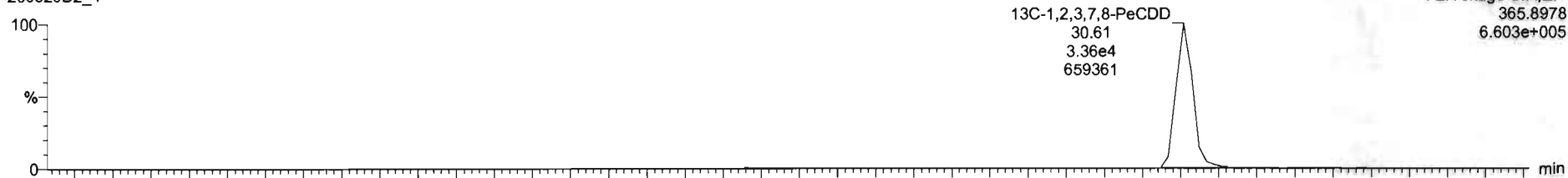


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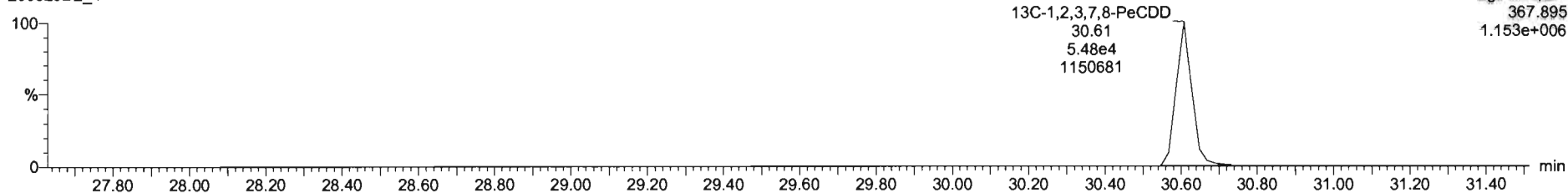


13C-1,2,3,7,8-PeCDD

200526D2_4



200526D2_4



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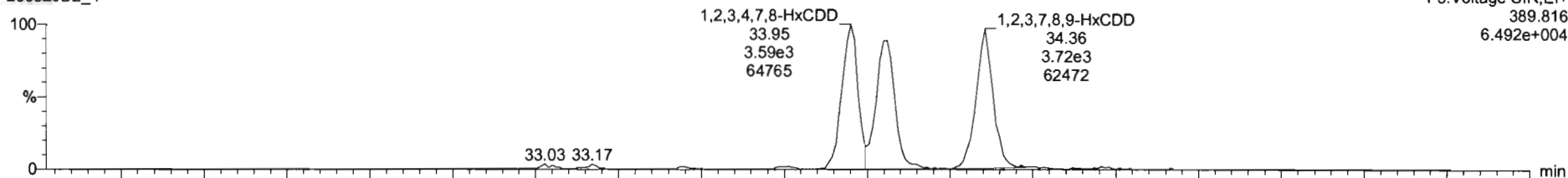
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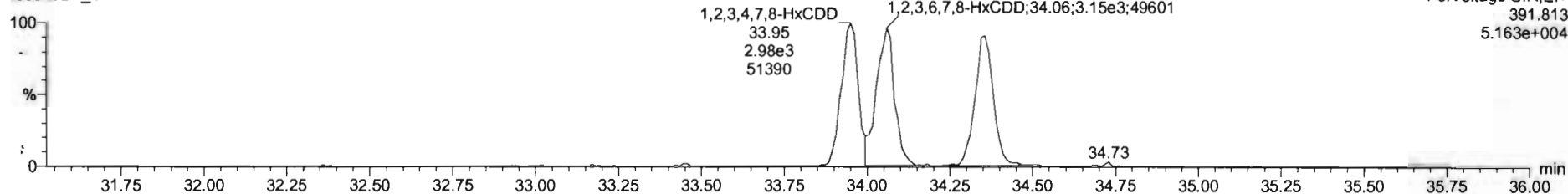
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1,2,3,4,7,8-HxCDD

200526D2_4

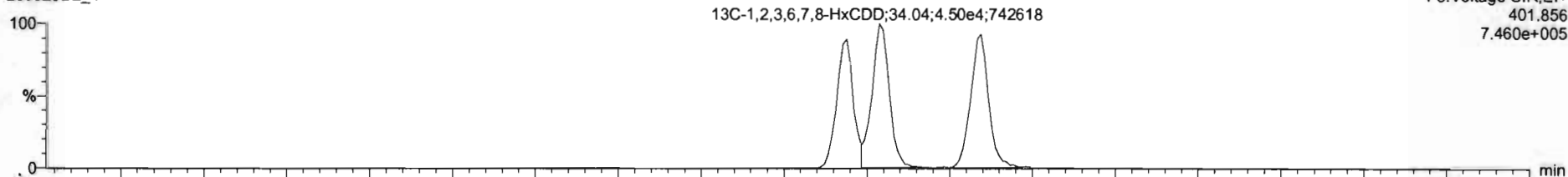


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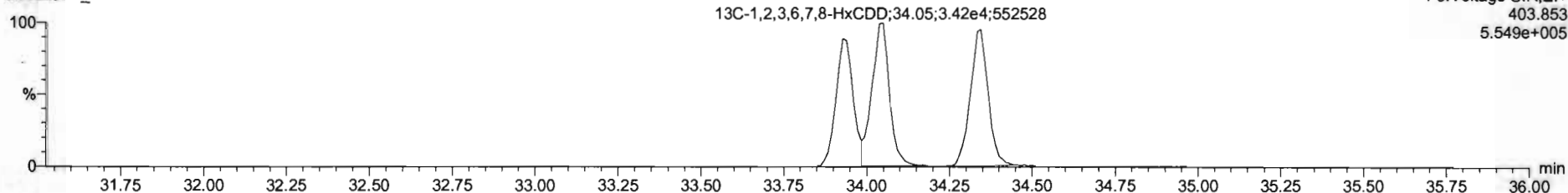


13C-1,2,3,4,7,8-HxCDD

200526D2_4



200526D2_4



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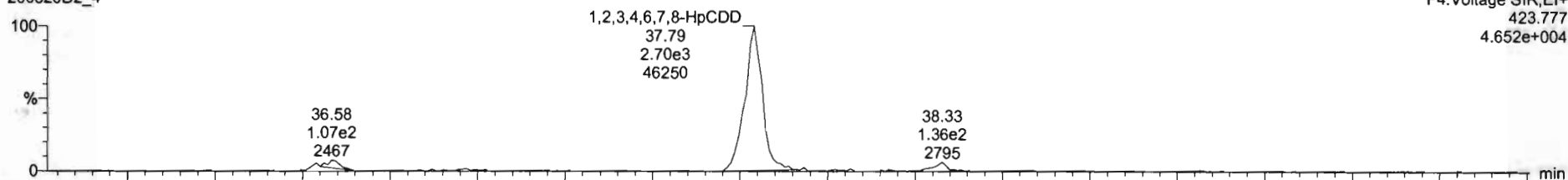
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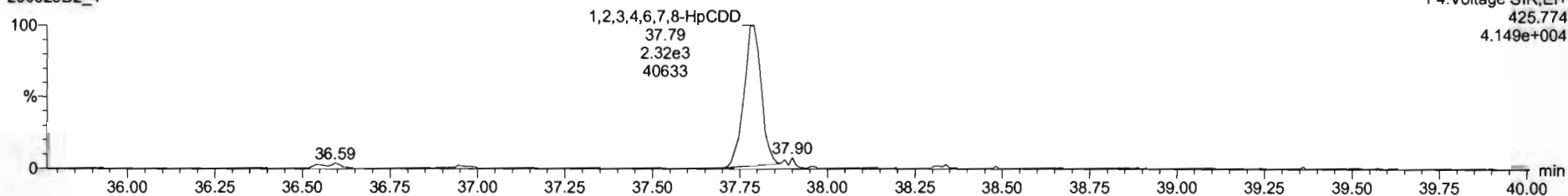
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1,2,3,4,6,7,8-HpCDD

200526D2_4

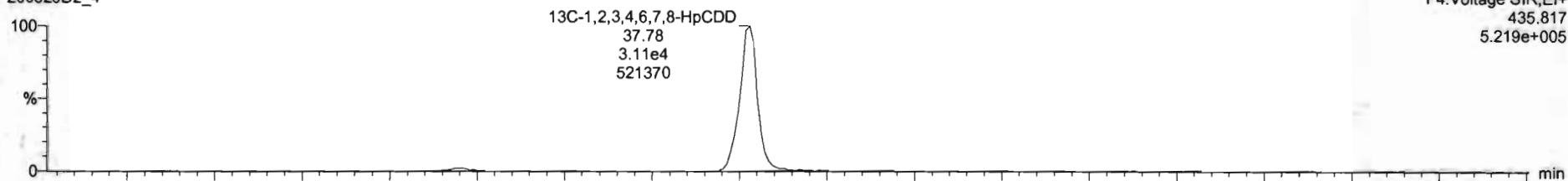


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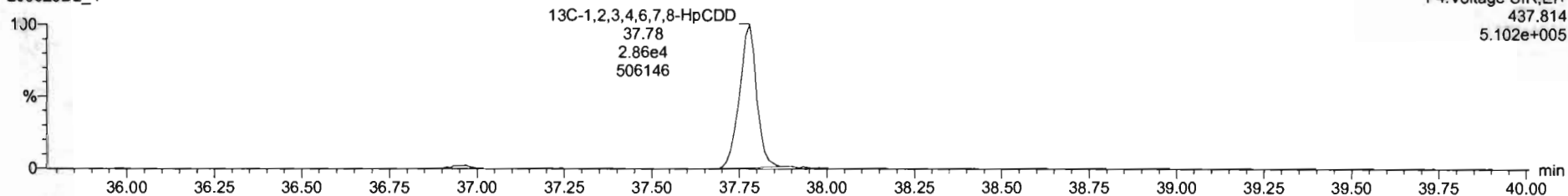


13C-1,2,3,4,6,7,8-HpCDD

200526D2_4



200526D2_4



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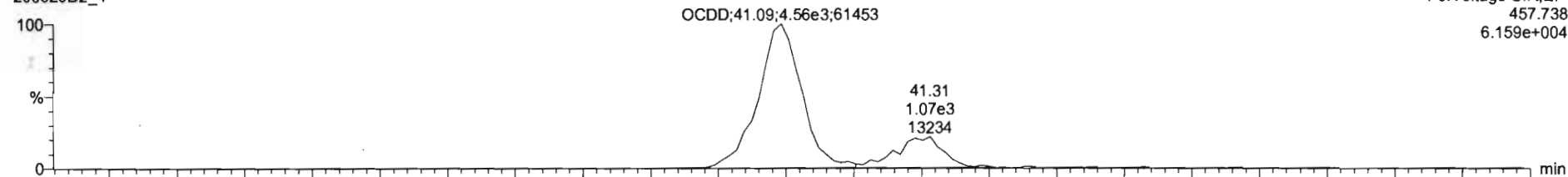
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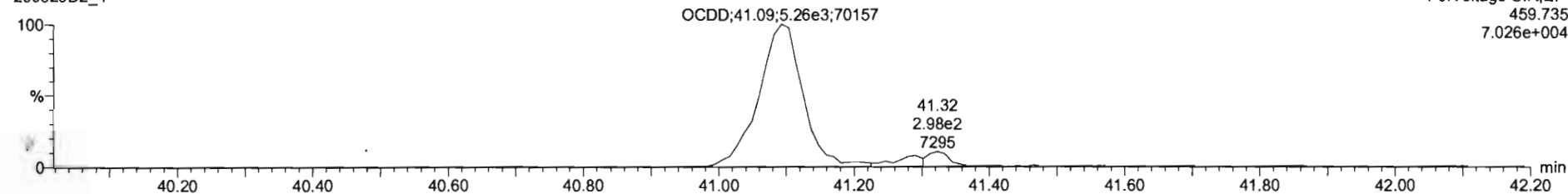
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OCDD

200526D2_4

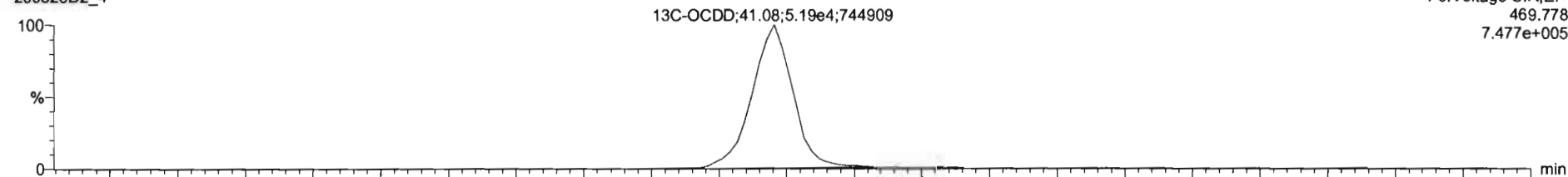


200526D2_4

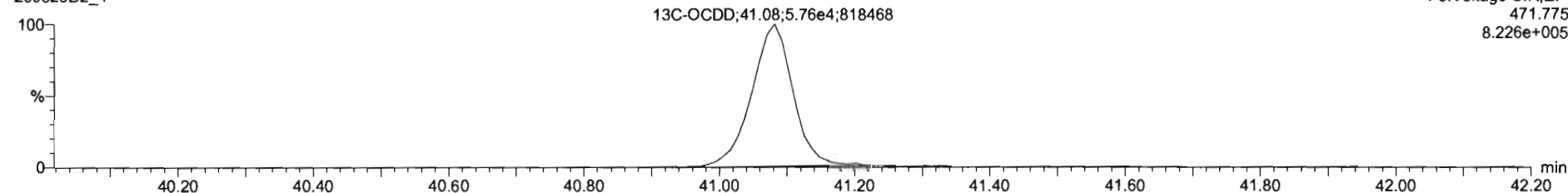


13C-OCDD

200526D2_4



200526D2_4



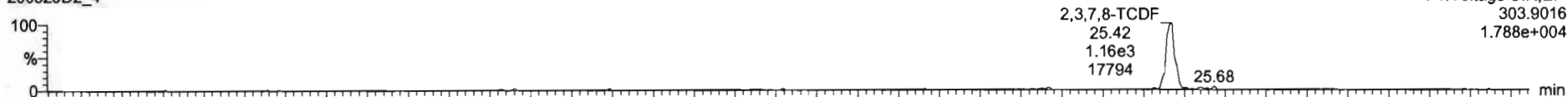
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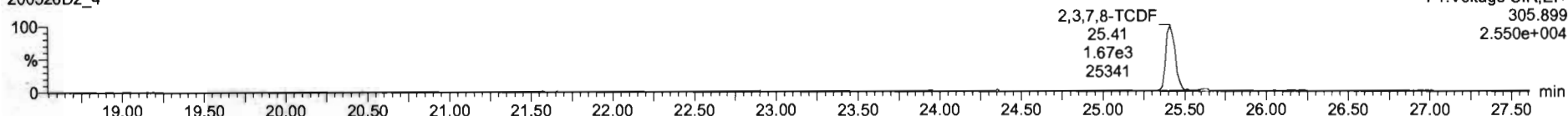
2,3,7,8-TCDF

200526D2_4



F1:Voltage SIR,EI+
303.9016
1.788e+004

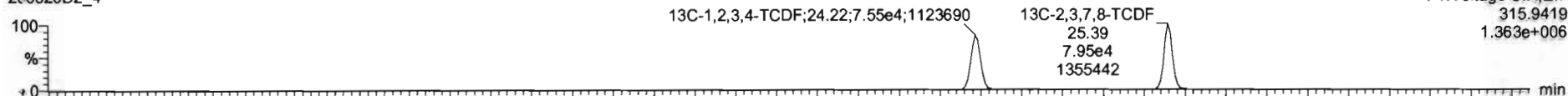
200526D2_4



F1:Voltage SIR,EI+
305.899
2.550e+004

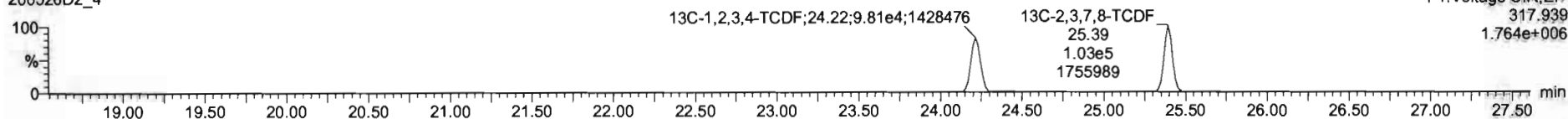
13C-2,3,7,8-TCDF

200526D2_4



F1:Voltage SIR,EI+
315.9419
1.363e+006

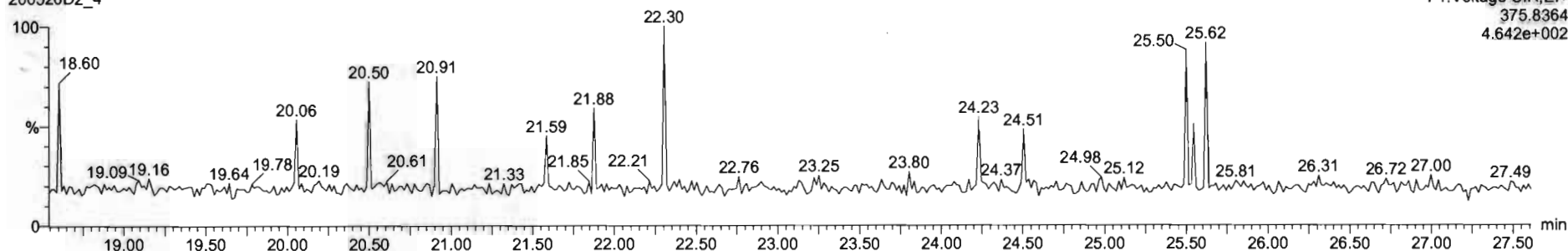
200526D2_4



F1:Voltage SIR,EI+
317.939
1.764e+006

CPE1

200526D2_4



F1:Voltage SIR,EI+
375.8364
4.642e+002

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

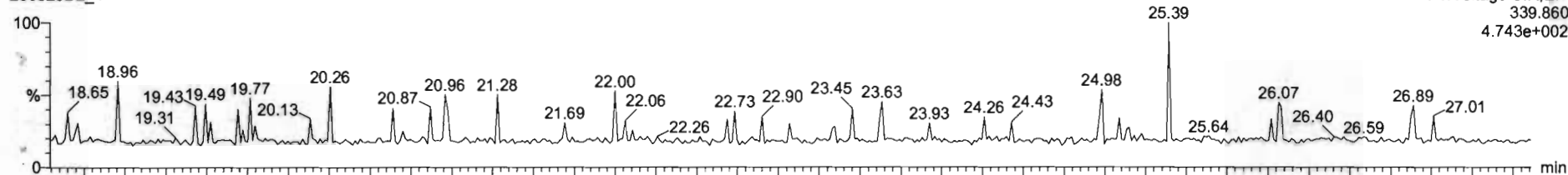
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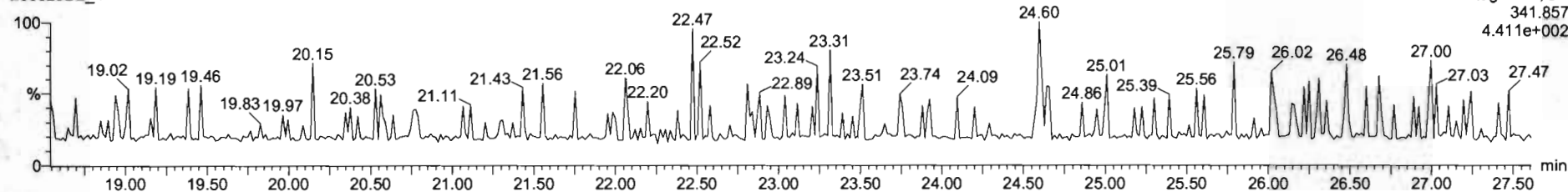
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1st Func. Penta-Furans

200526D2_4

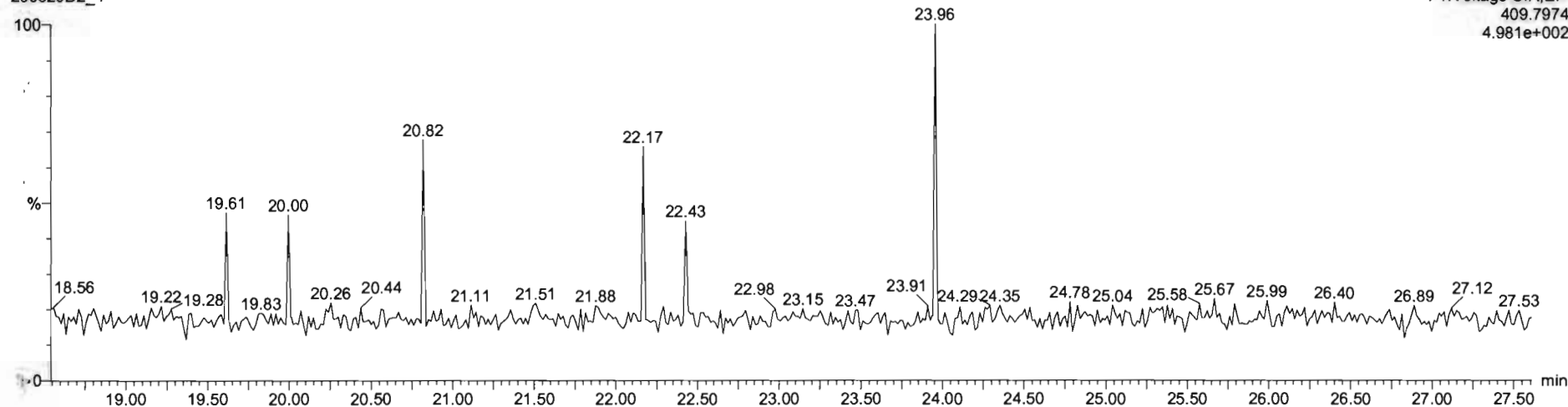


200526D2_4



DPE6

200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

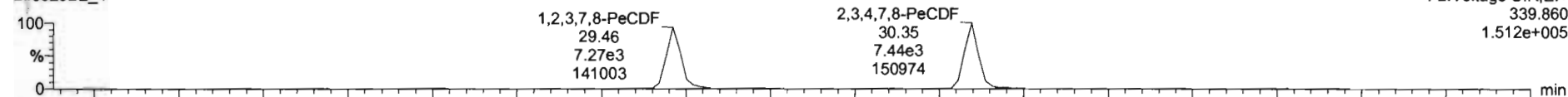
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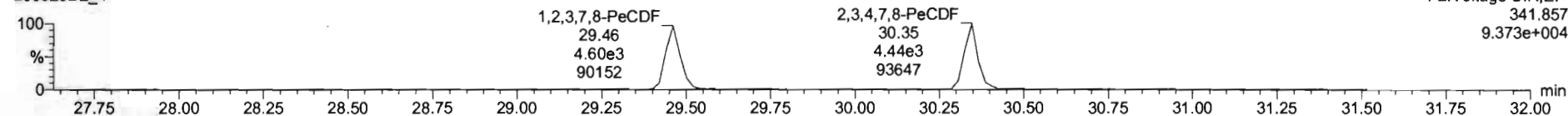
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1,2,3,7,8-PeCDF

200526D2_4

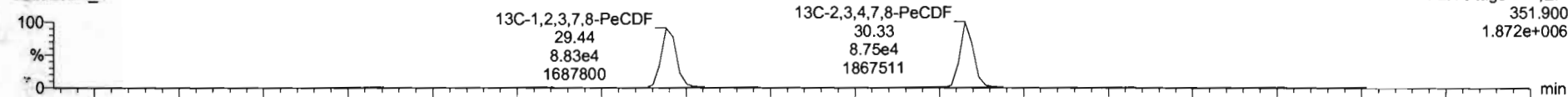


200526D2_4

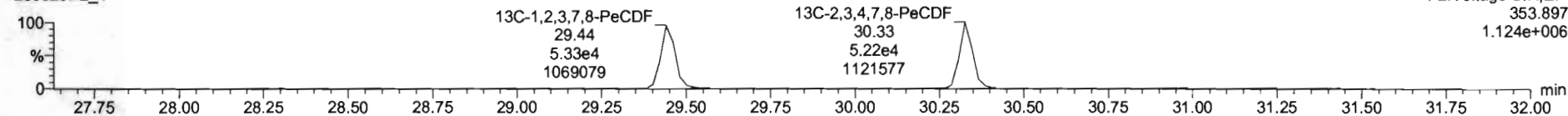


13C-1,2,3,7,8-PeCDF

200526D2_4

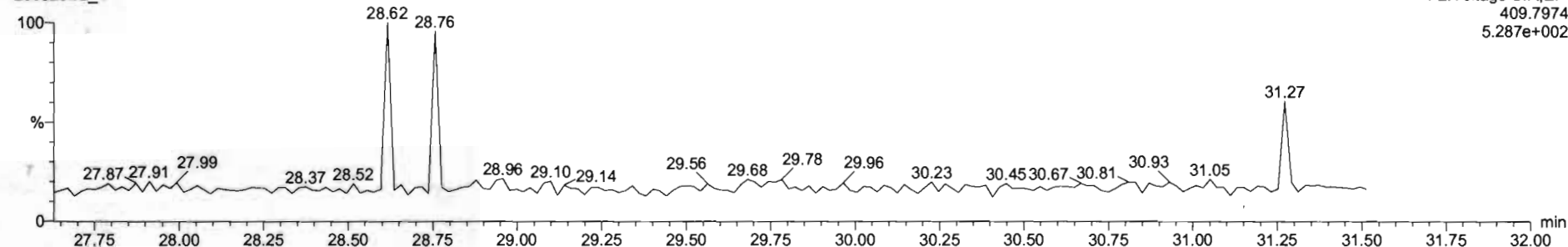


200526D2_4



DPE2

200526D2_4



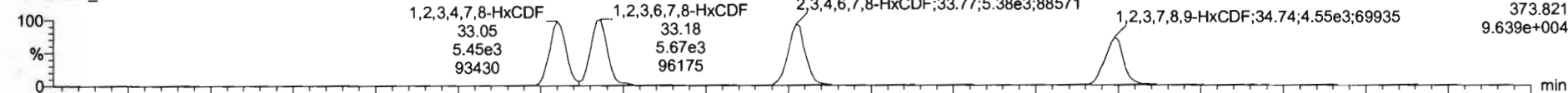
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

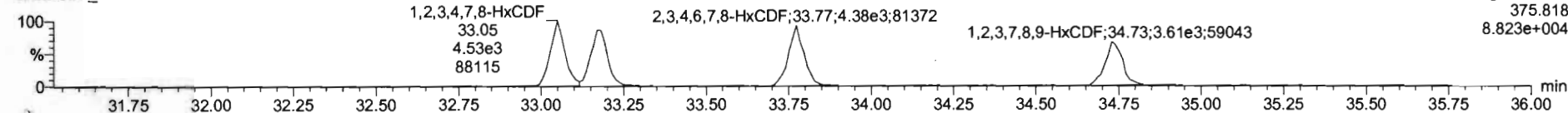
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1,2,3,4,7,8-HxCDF

200526D2_4

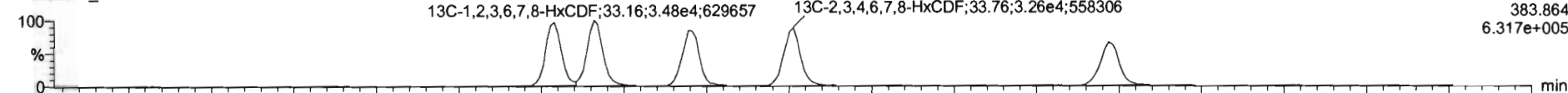


200526D2_4

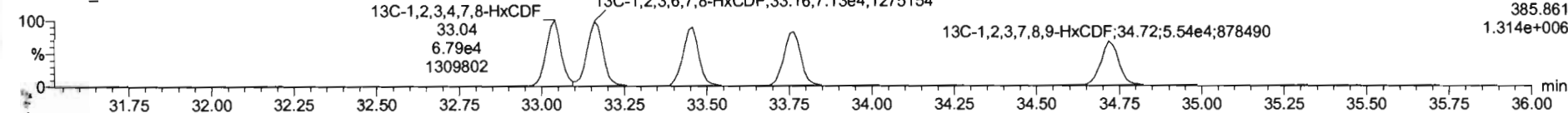


13C-1,2,3,4,7,8-HxCDF

200526D2_4

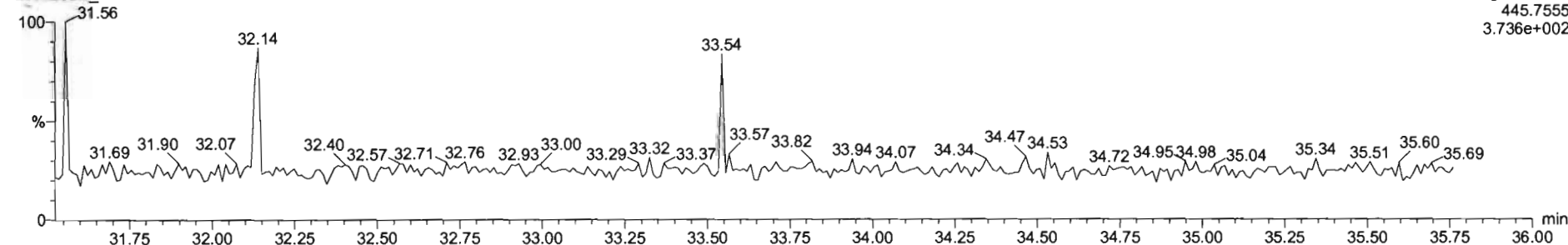


200526D2_4



DPE3

200526D2_4



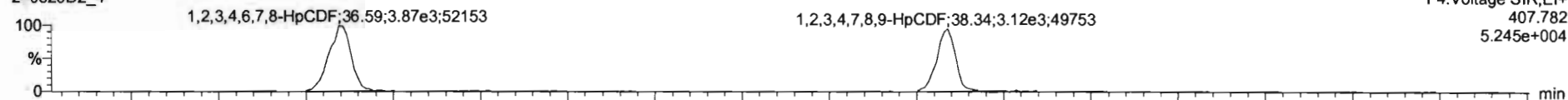
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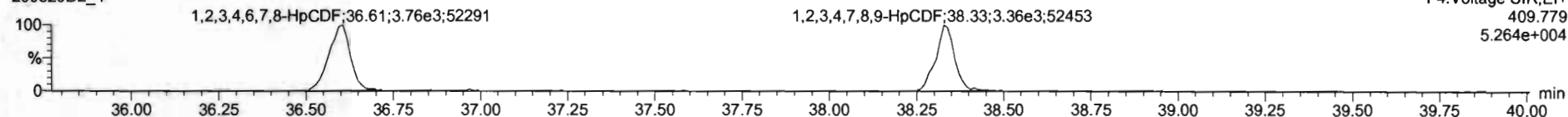
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1,2,3,4,6,7,8-HpCDF

200526D2_4

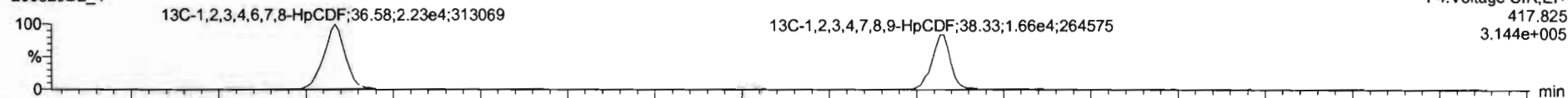


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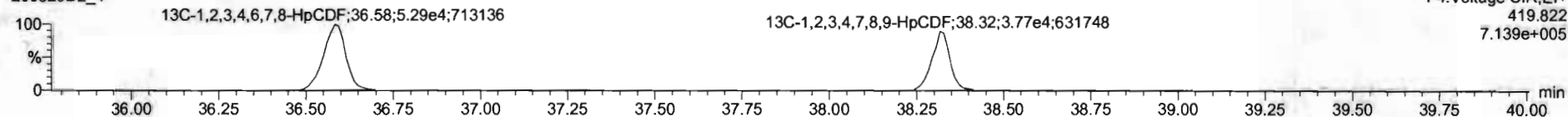


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200526D2_4

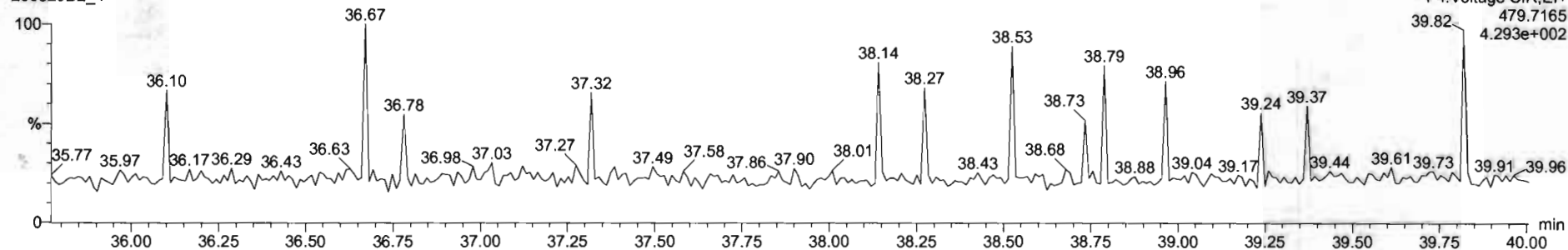


200526D2_4



DPE4

200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

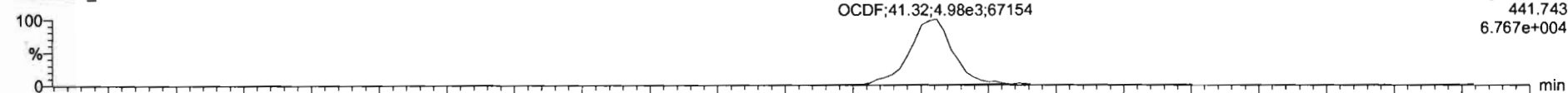
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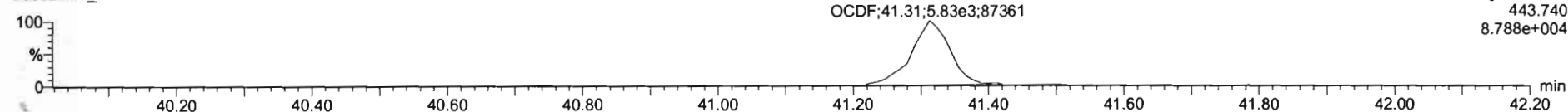
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OCDF

200526D2_4

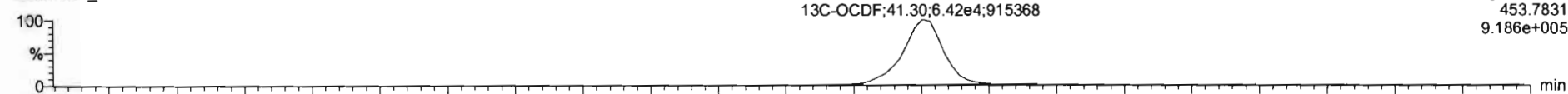


200526D2_4

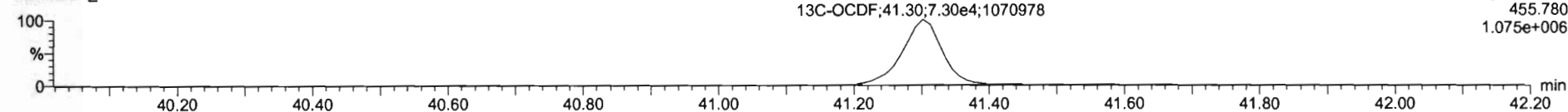


13C-OCDF

200526D2_4

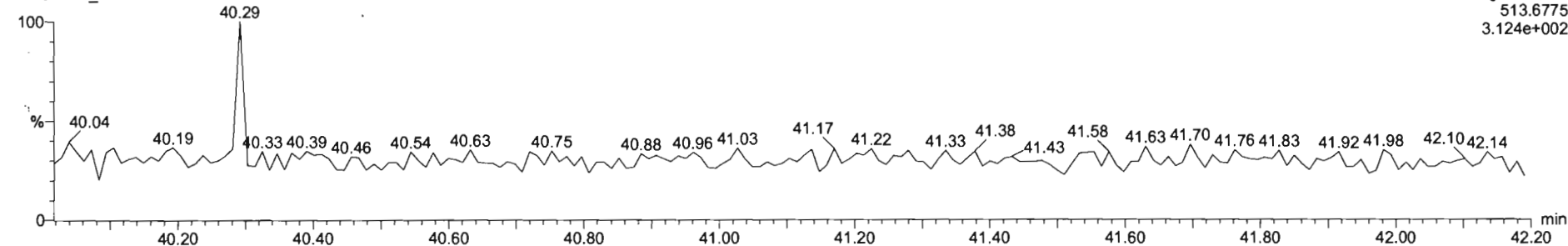


200526D2_4



DPE5

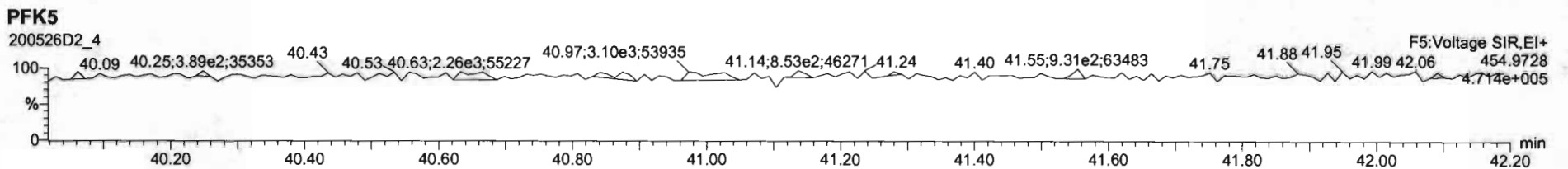
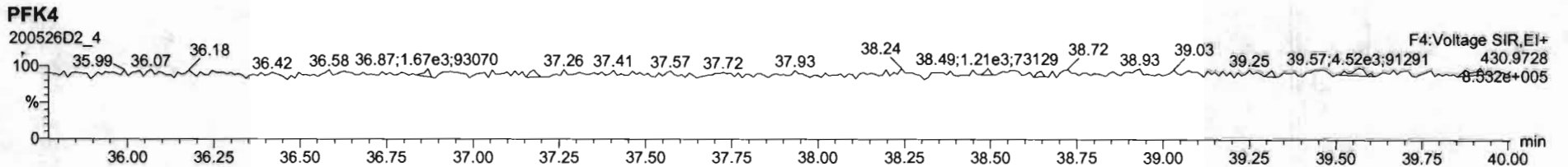
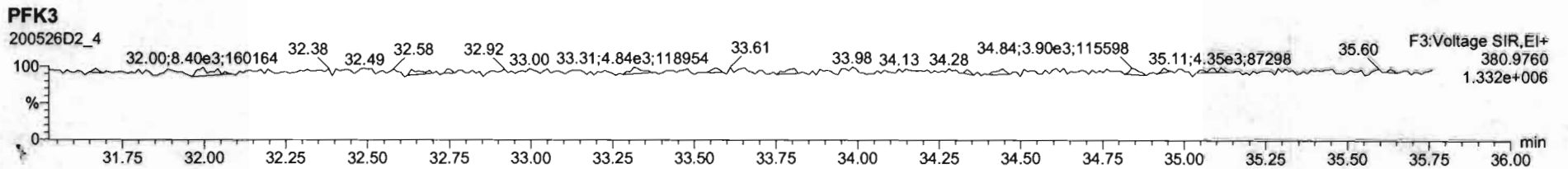
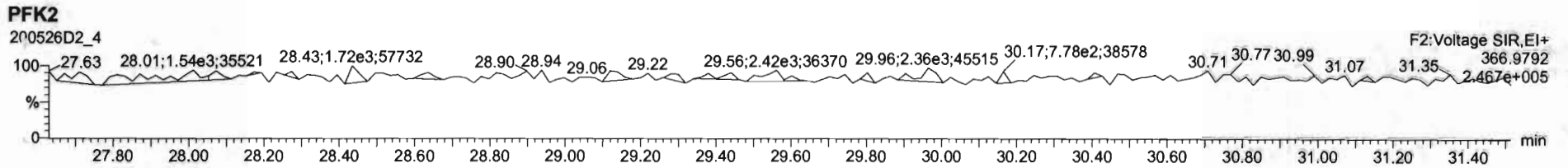
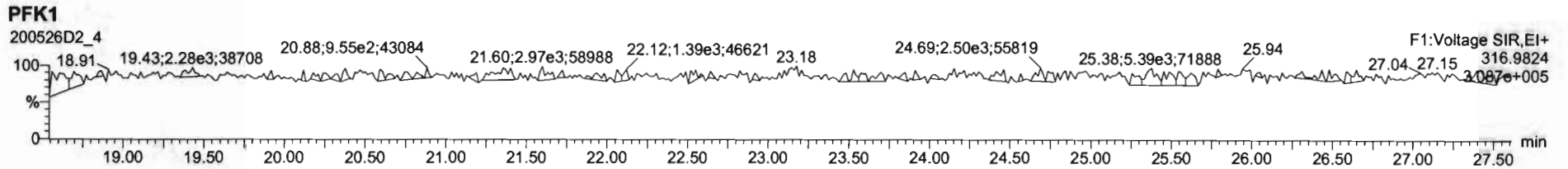
200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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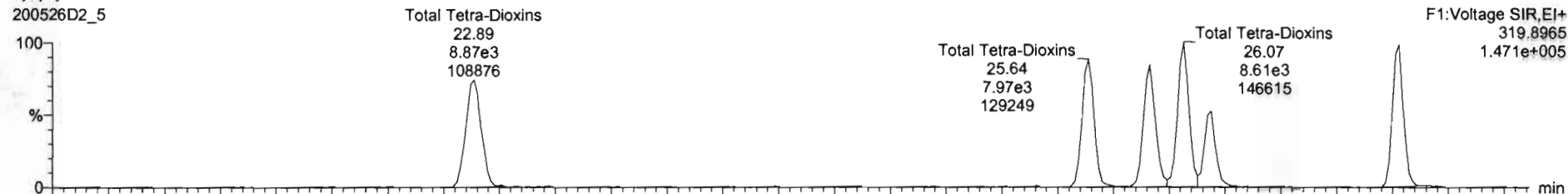
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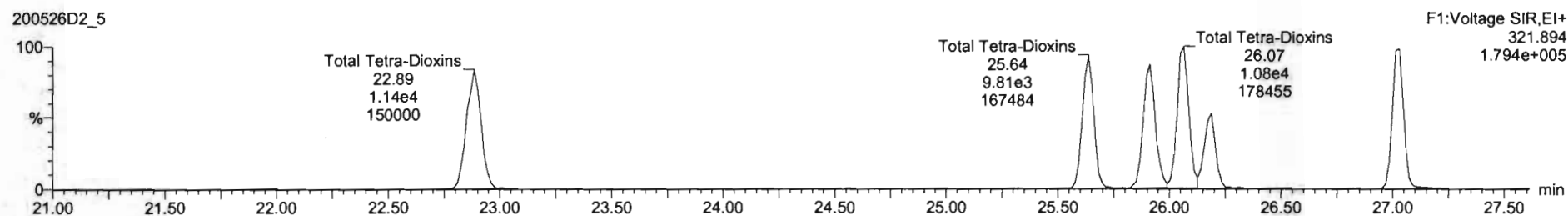
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2,3,7,8-TCDD

200526D2_5

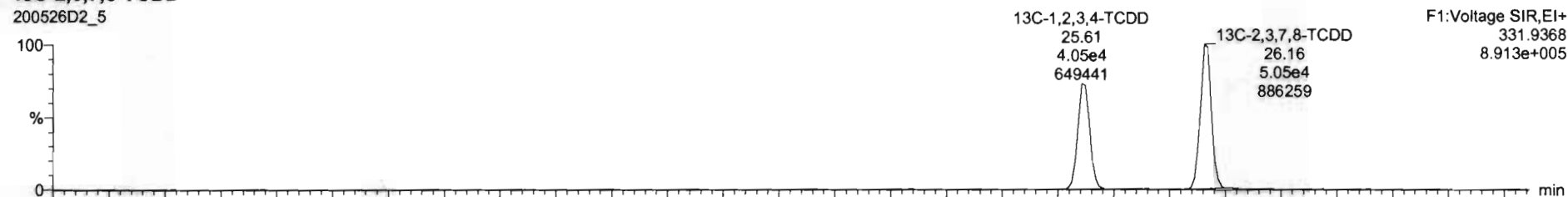


200526D2_5

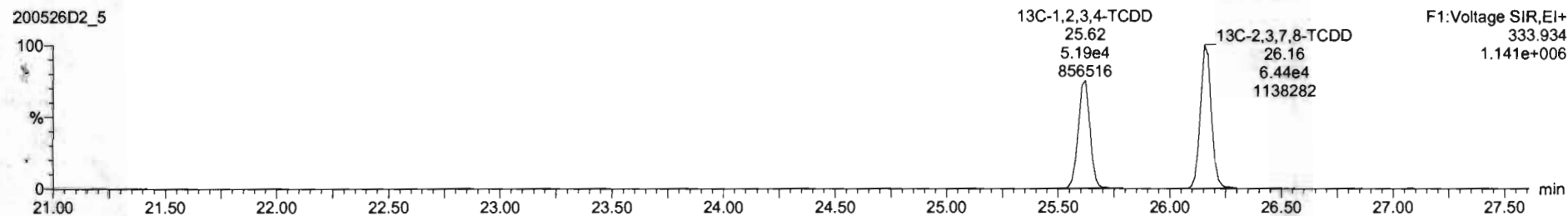


¹³C-2,3,7,8-TCDD

200526D2_5



200526D2_5

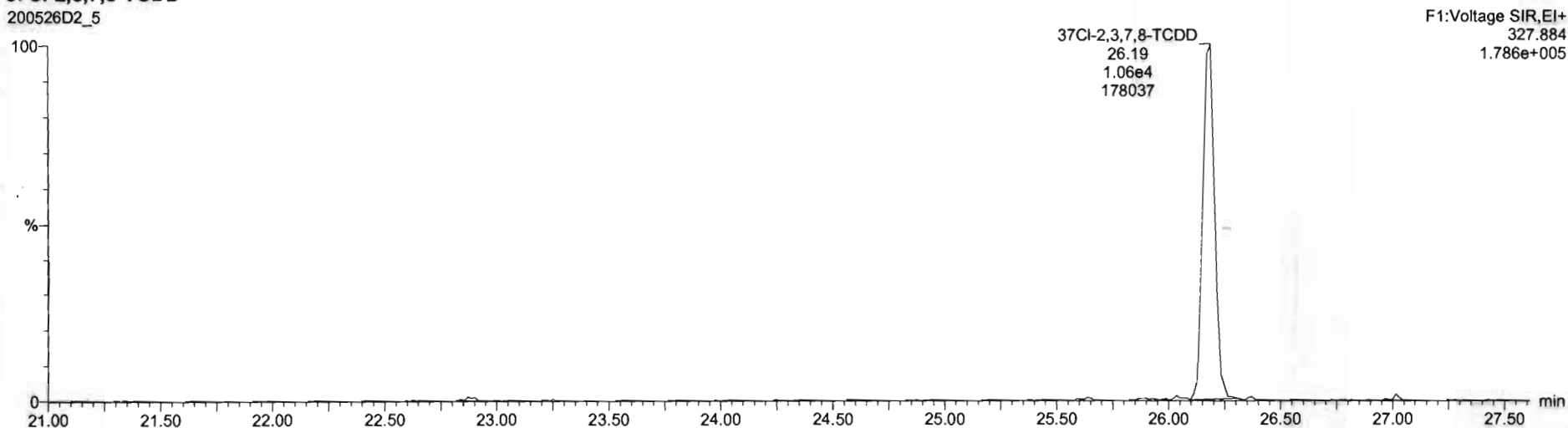


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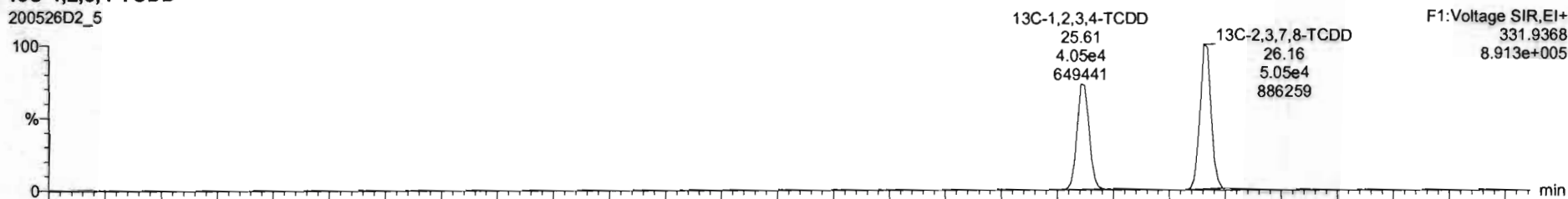
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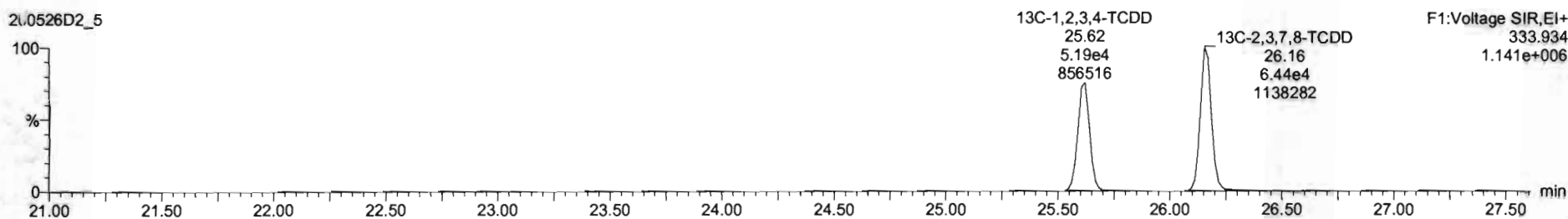
37Cl-2,3,7,8-TCDD
200526D2_5



13C-1,2,3,4-TCDD
200526D2_5



200526D2_5



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

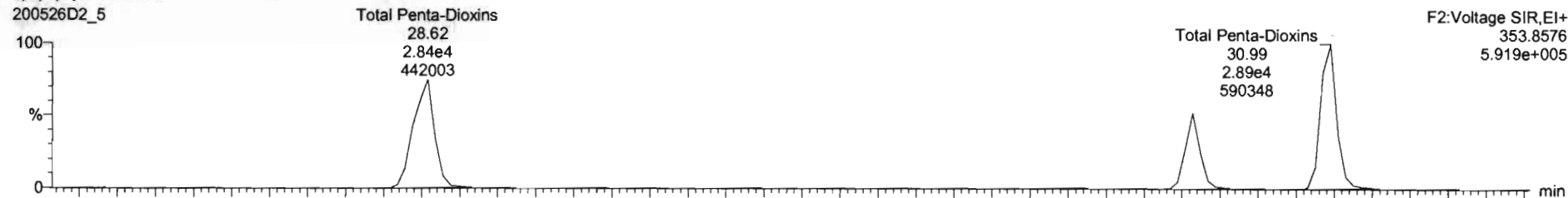
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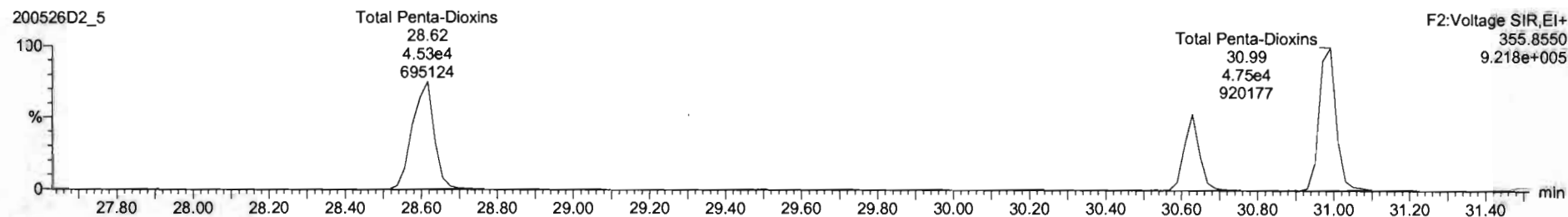
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1,2,3,7,8-PeCDD

200526D2_5

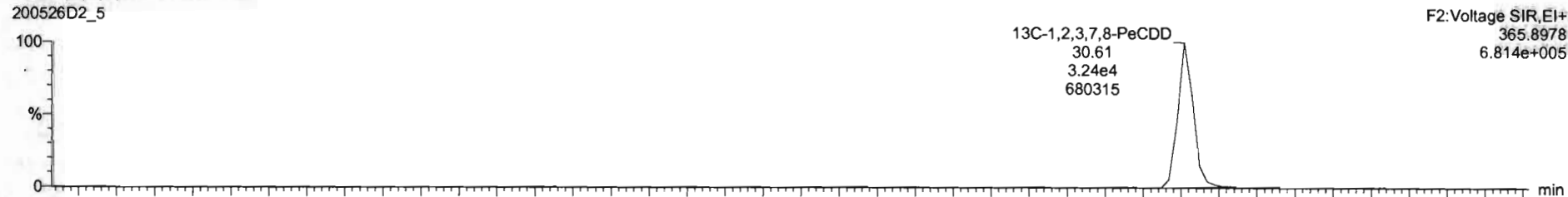


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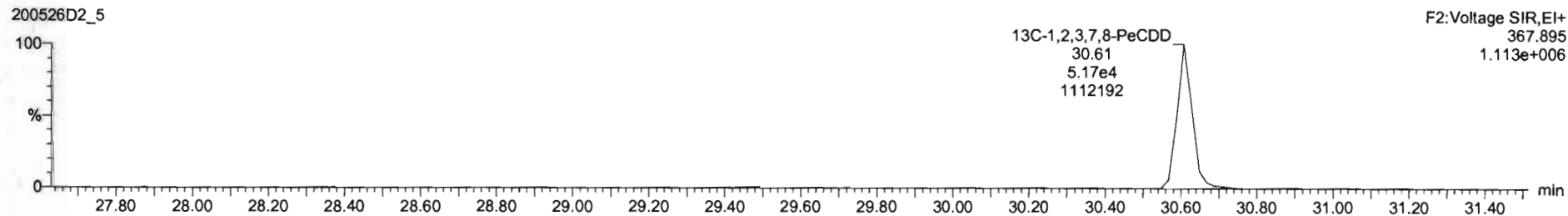


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200526D2_5



200526D2_5



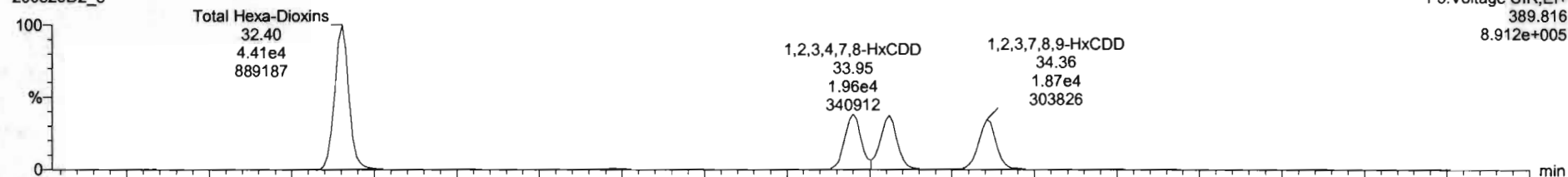
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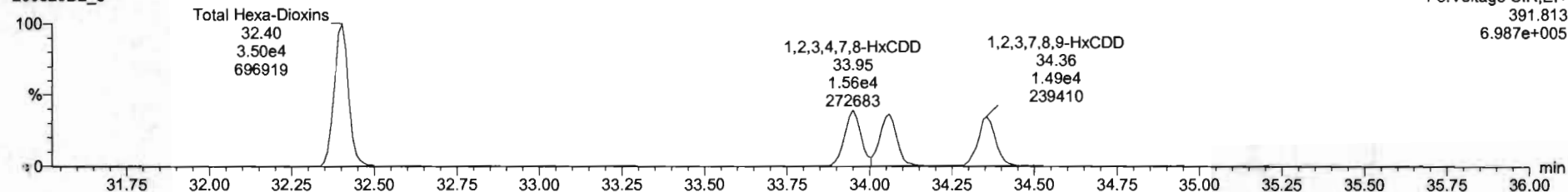
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1,2,3,4,7,8-HxCDD

200526D2_5

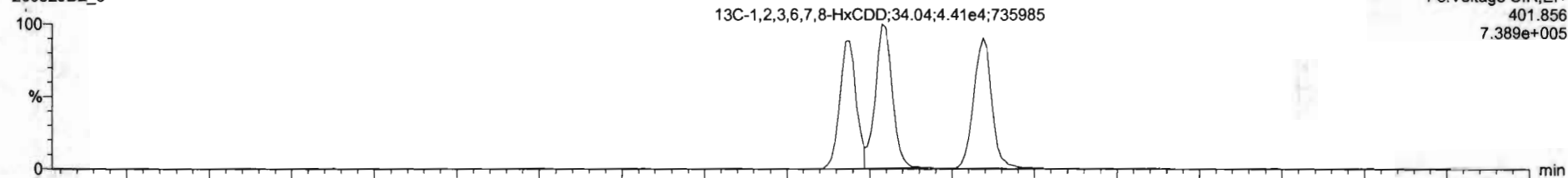


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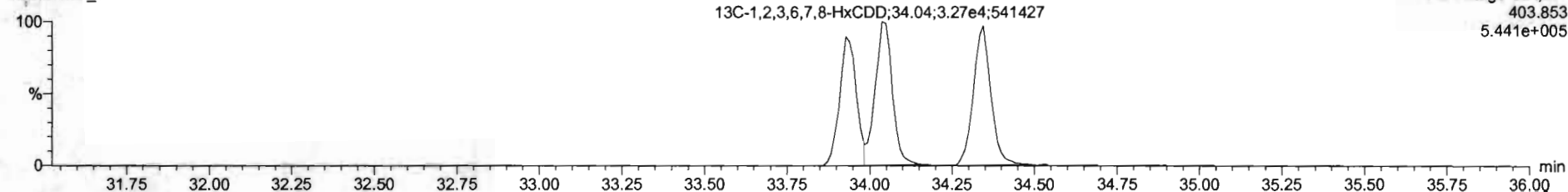


13C-1,2,3,4,7,8-HxCDD

200526D2_5



200526D2_5



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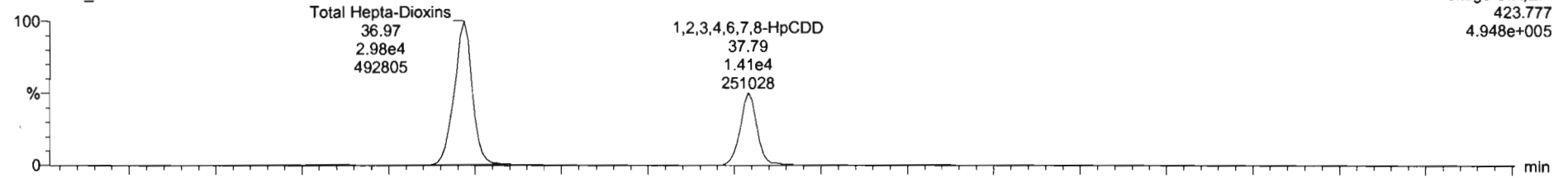
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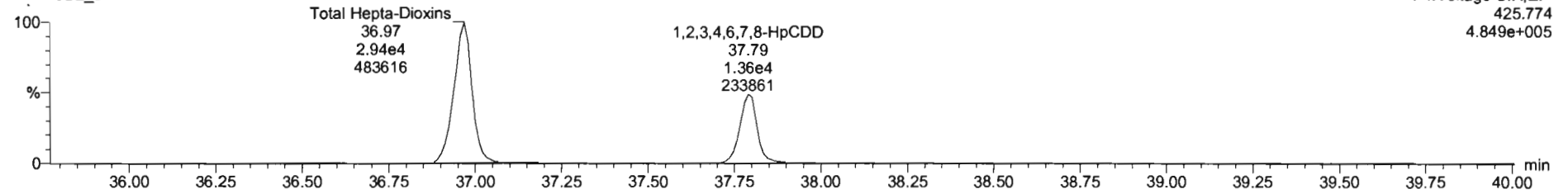
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1,2,3,4,6,7,8-HpCDD

200526D2_5

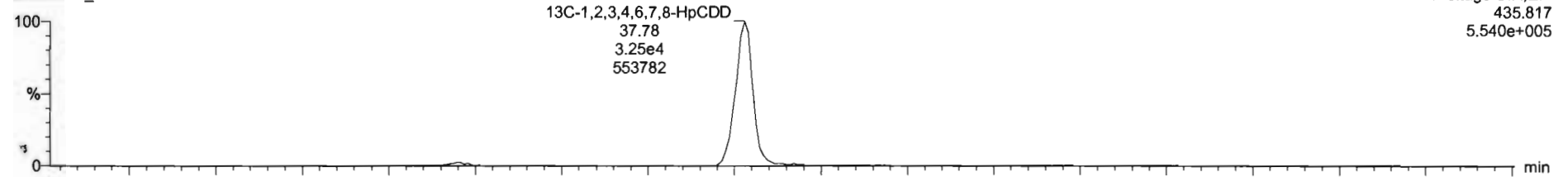


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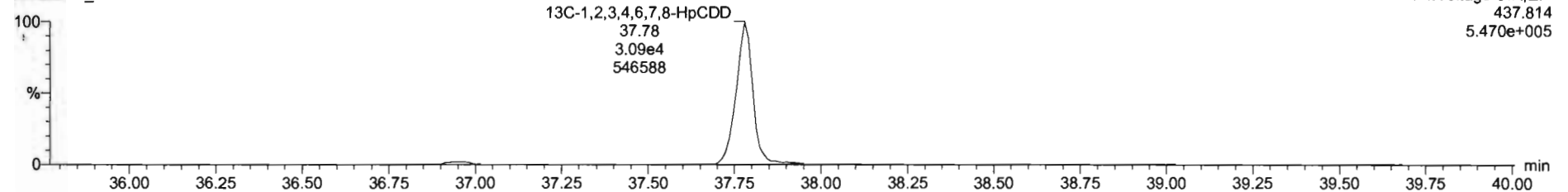


13C-1,2,3,4,6,7,8-HpCDD

200526D2_5



200526D2_5



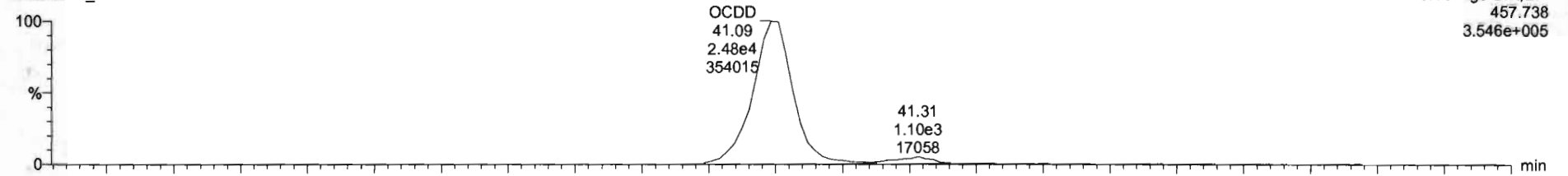
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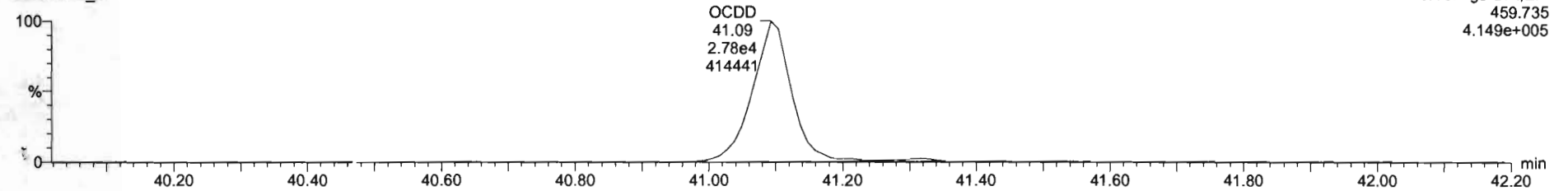
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OCDD

200526D2_5

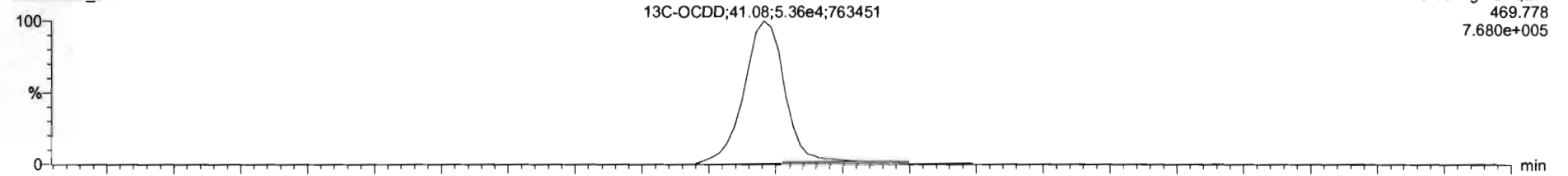


200526D2_5

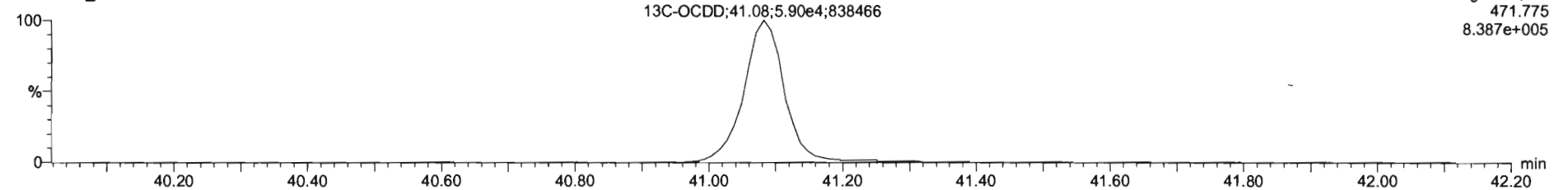


13C-OCDD

200526D2_5



200526D2_5



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

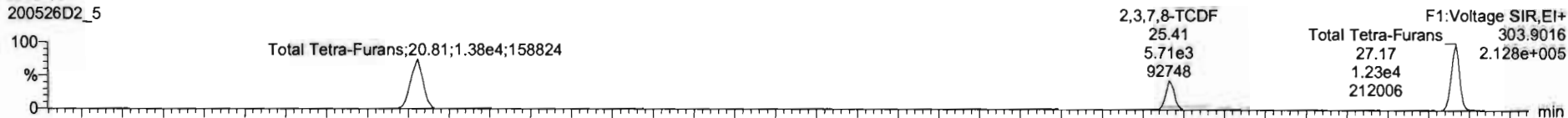
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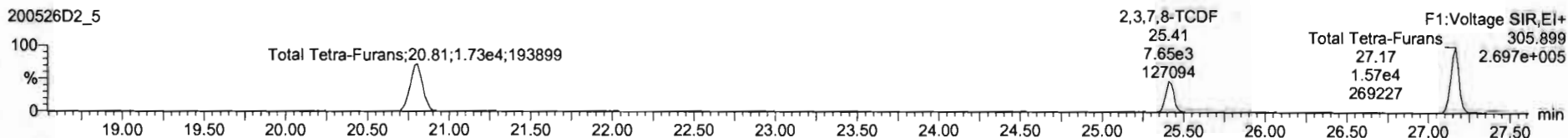
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2,3,7,8-TCDF

200526D2_5

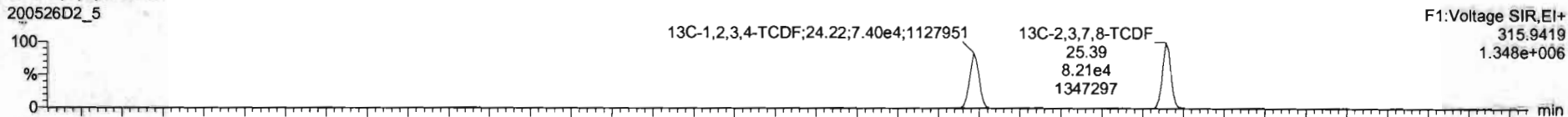


200526D2_5

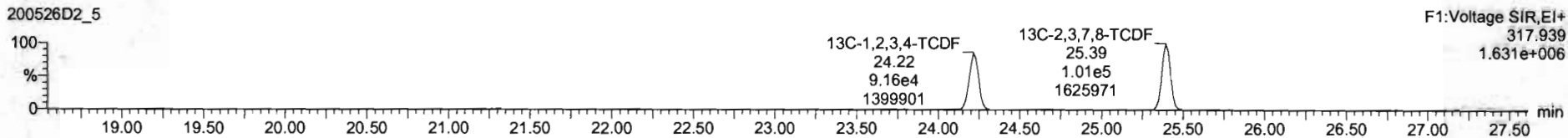


13C-2,3,7,8-TCDF

200526D2_5

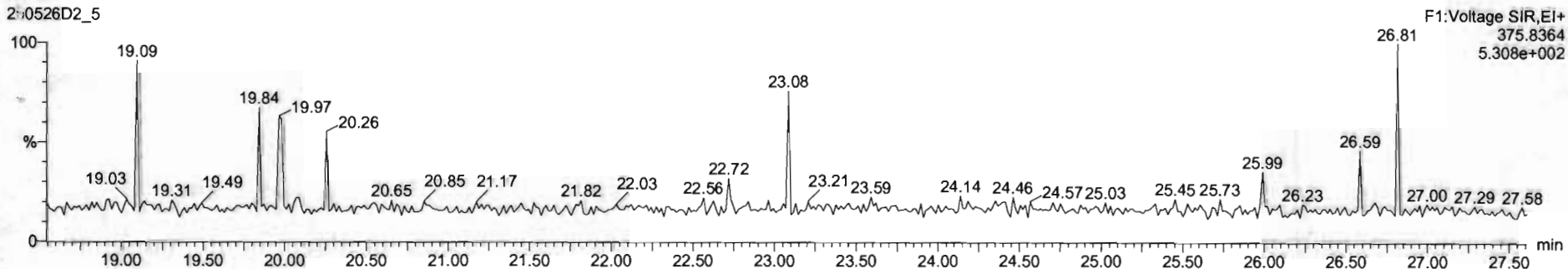


200526D2_5



DPE1

200526D2_5



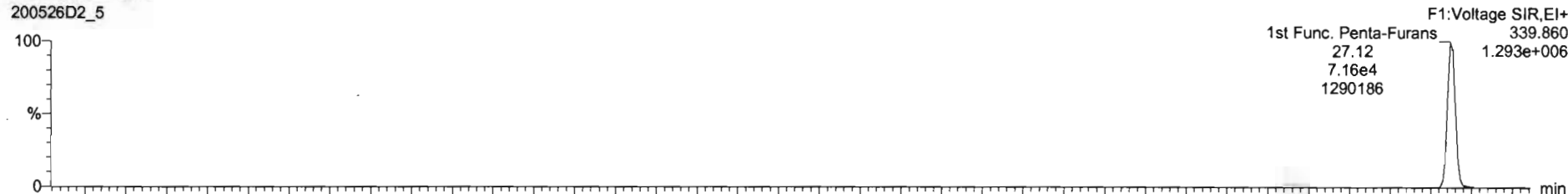
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

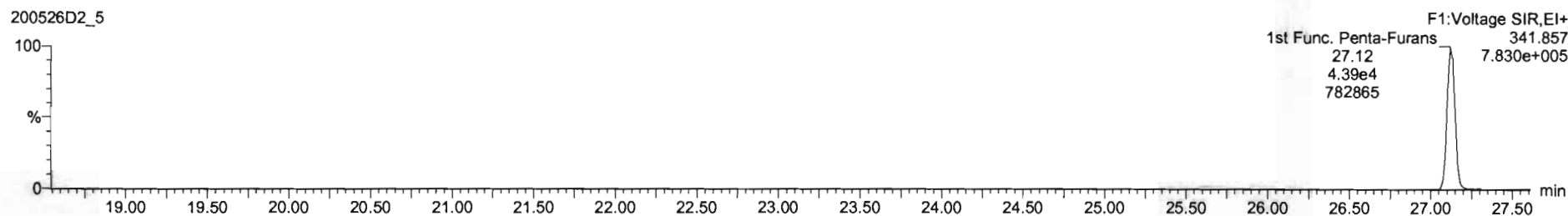
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200526D2_5

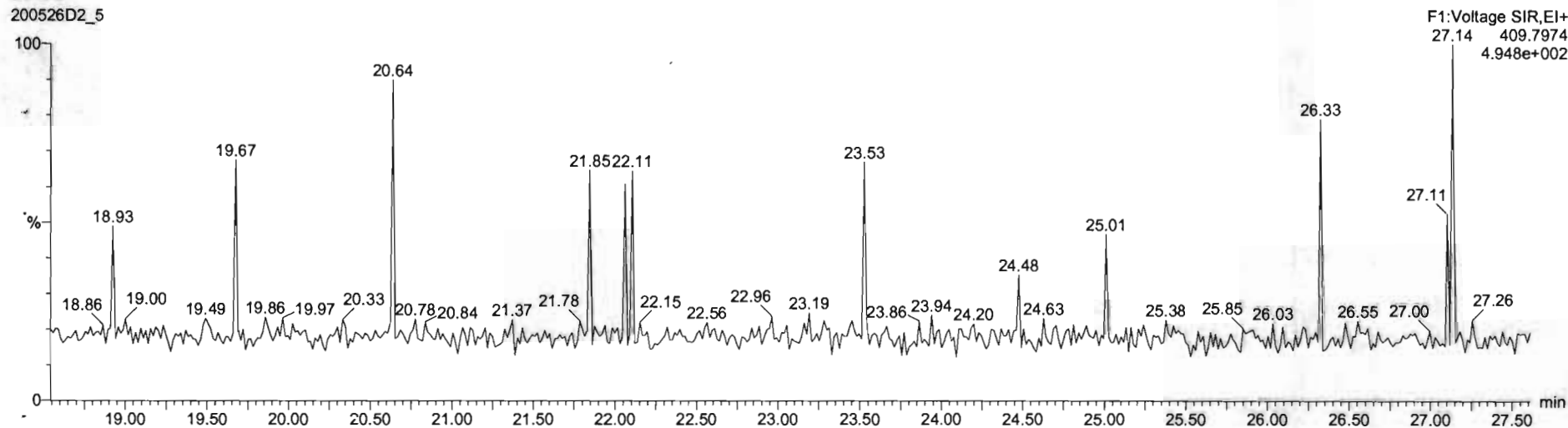


200526D2_5



DPE6

200526D2_5



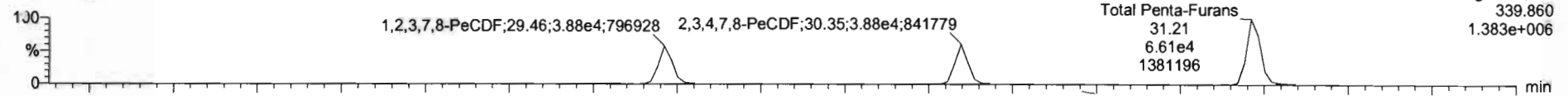
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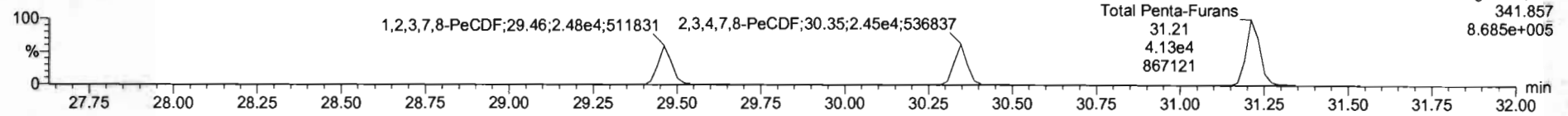
1,2,3,7,8-PeCDF

200526D2_5



F2:Voltage SIR,EI+
339.860
1.383e+006

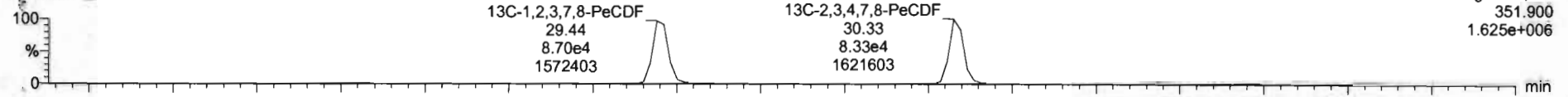
200526D2_5



F2:Voltage SIR,EI+
341.857
8.685e+005

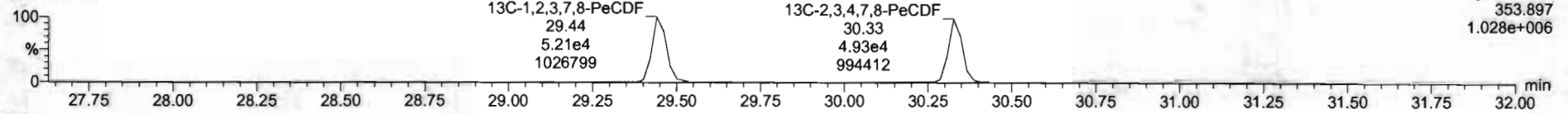
13C-1,2,3,7,8-PeCDF

200526D2_5



F2:Voltage SIR,EI+
351.900
1.625e+006

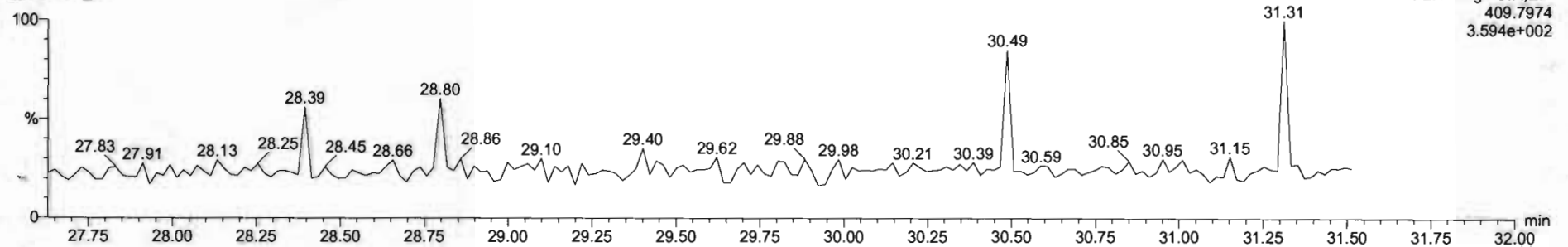
200526D2_5



F2:Voltage SIR,EI+
353.897
1.028e+006

DPE2

200526D2_5



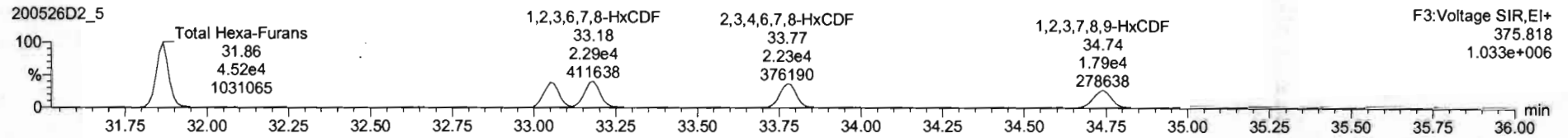
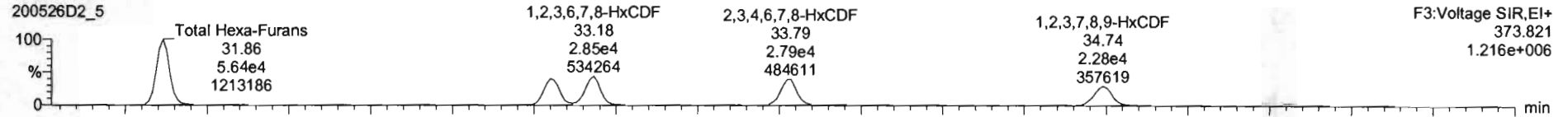
F2:Voltage SIR,EI+
409.7974
3.594e+002

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

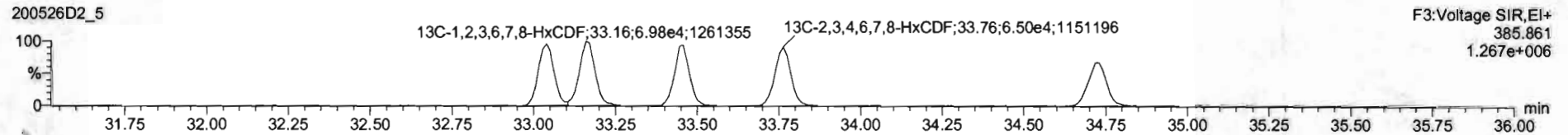
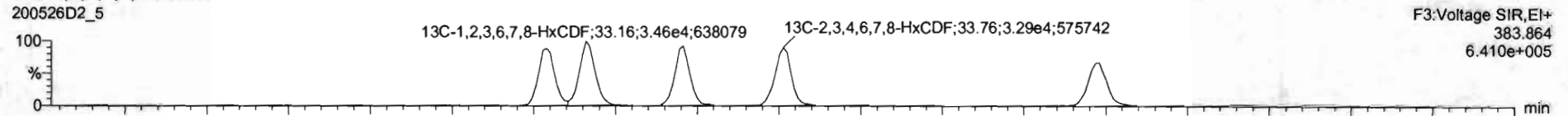
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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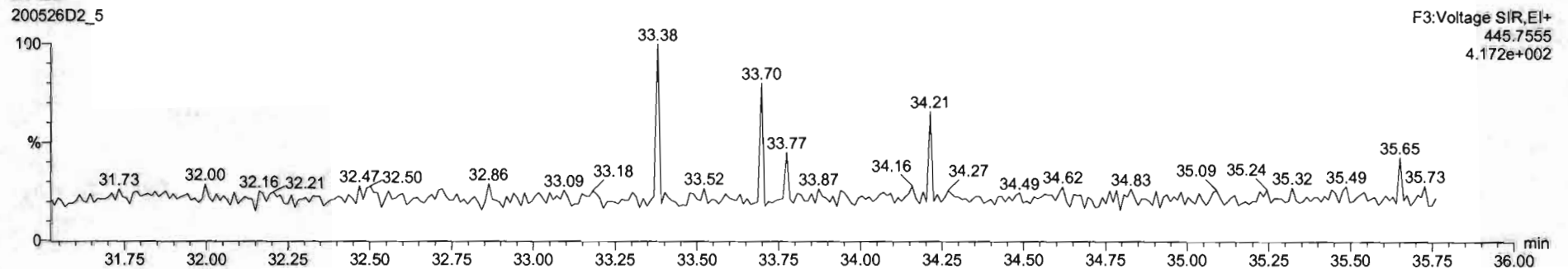
1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

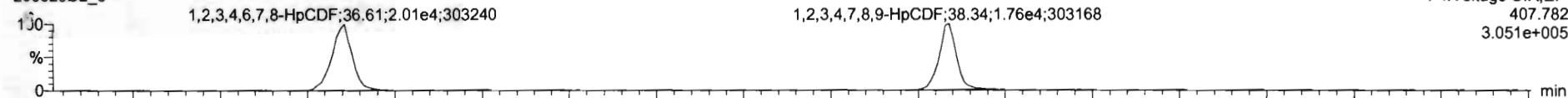
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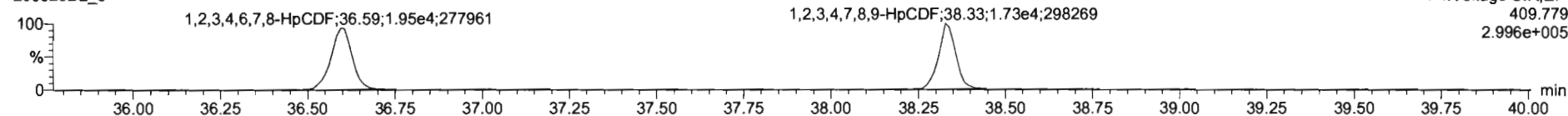
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1,2,3,4,6,7,8-HpCDF

200526D2_5

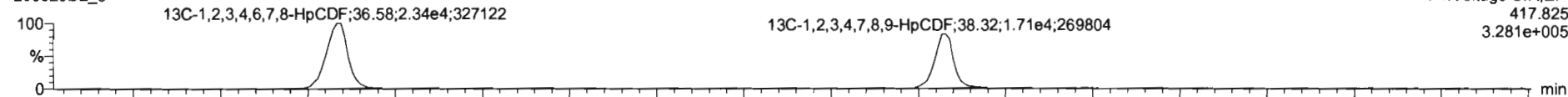


200526D2_5

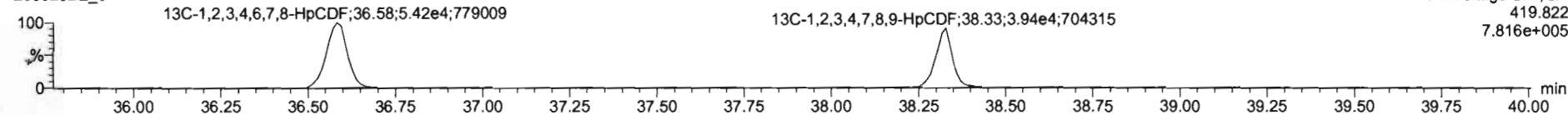


13C-1,2,3,4,6,7,8-HpCDF

200526D2_5

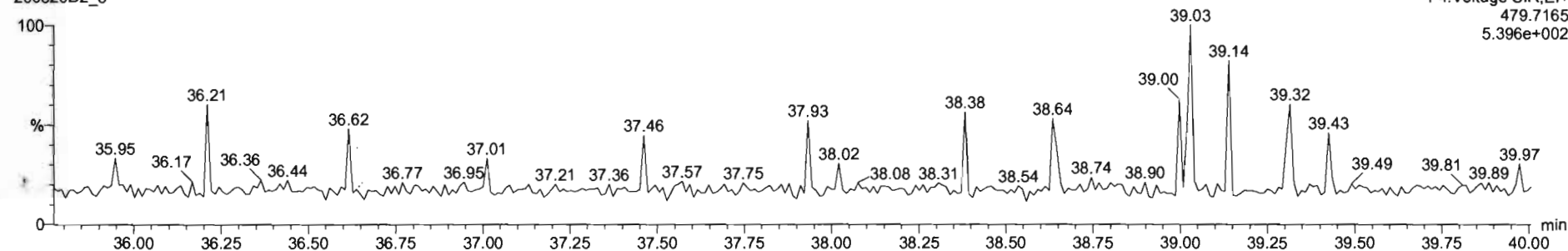


200526D2_5



DPE4

200526D2_5



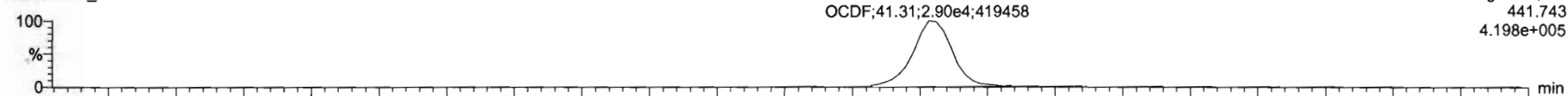
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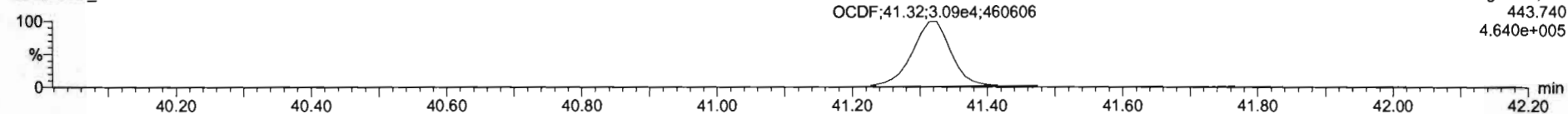
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OCDF

200526D2_5

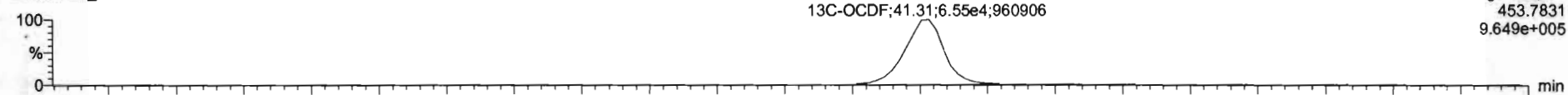


200526D2_5

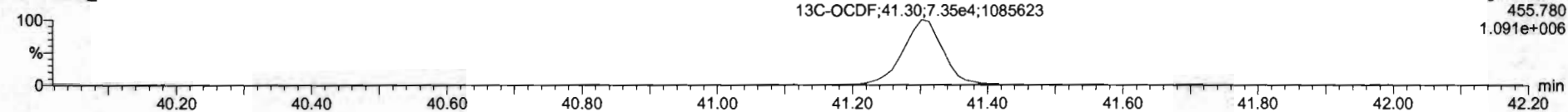


13C-OCDF

200526D2_5

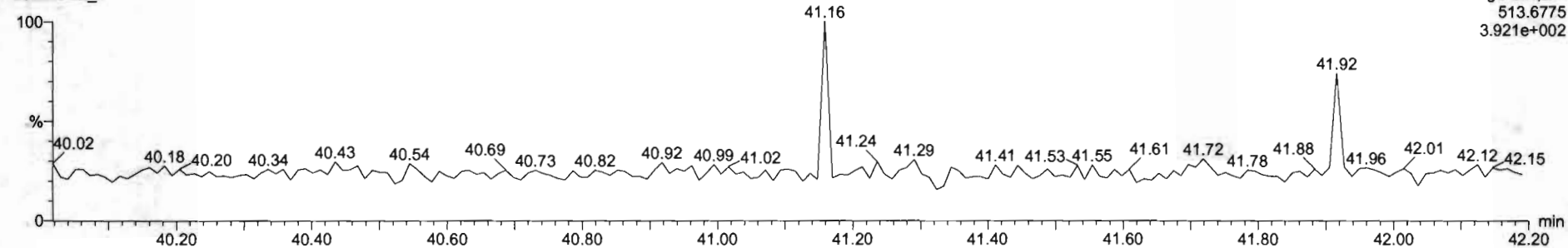


200526D2_5



DPE5

200526D2_5

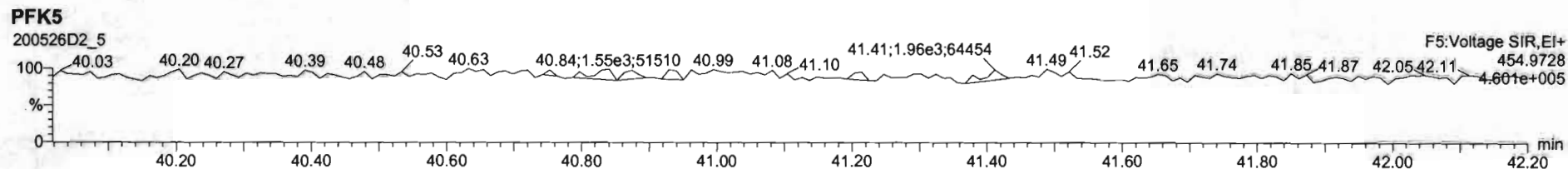
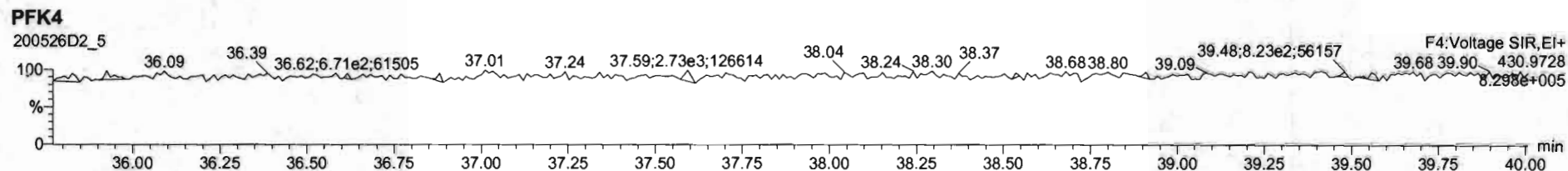
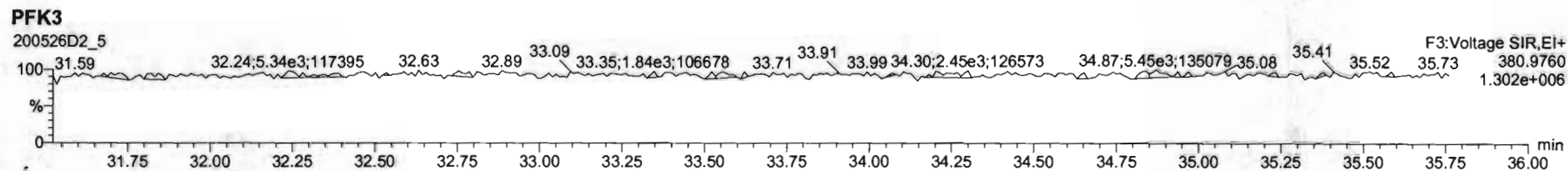
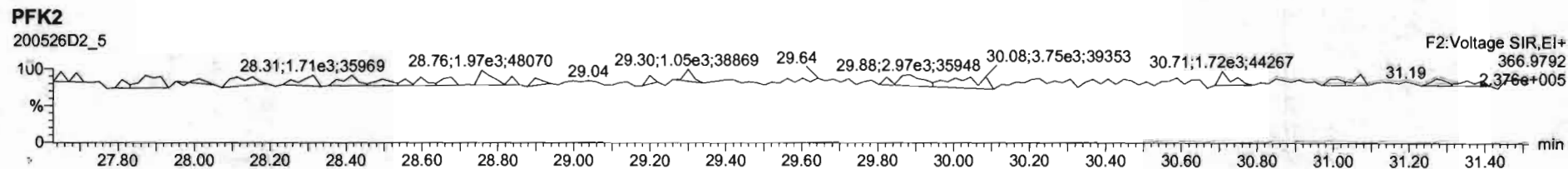
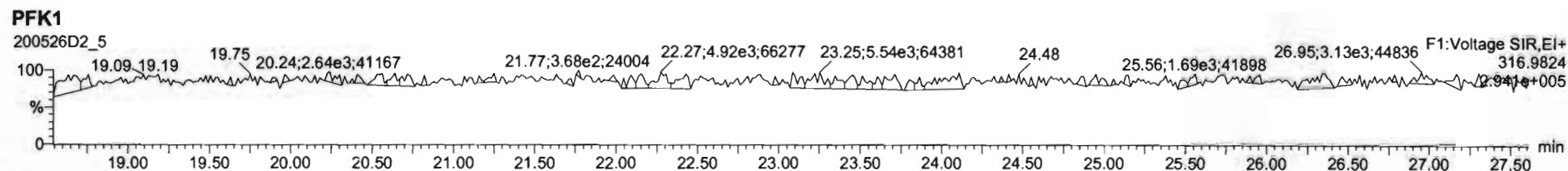


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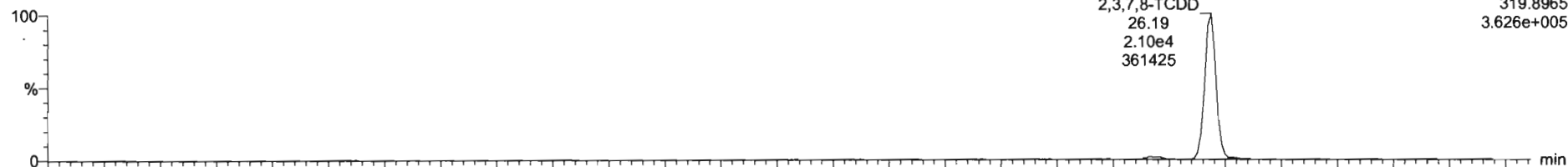
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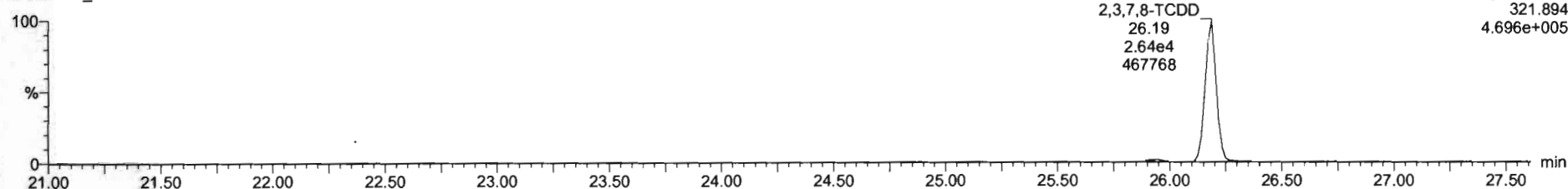
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2,3,7,8-TCDD

200526D2_6

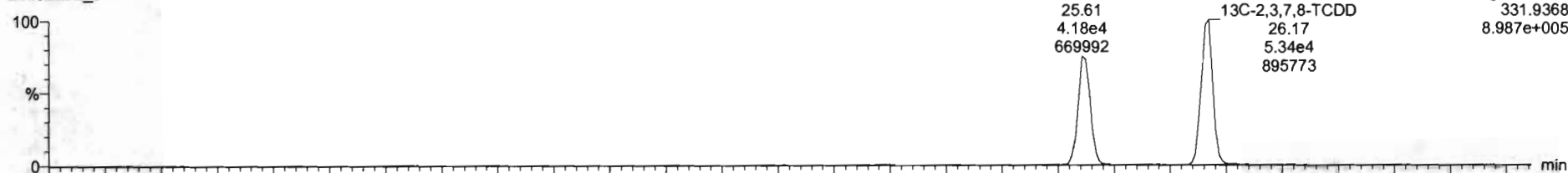


200526D2_6

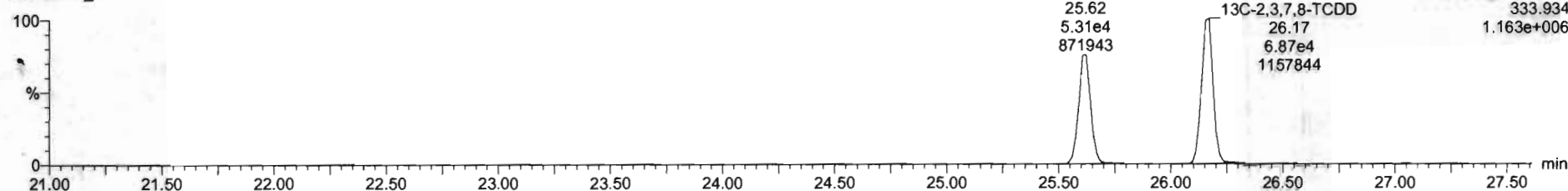


13C-2,3,7,8-TCDD

200526D2_6



200526D2_6



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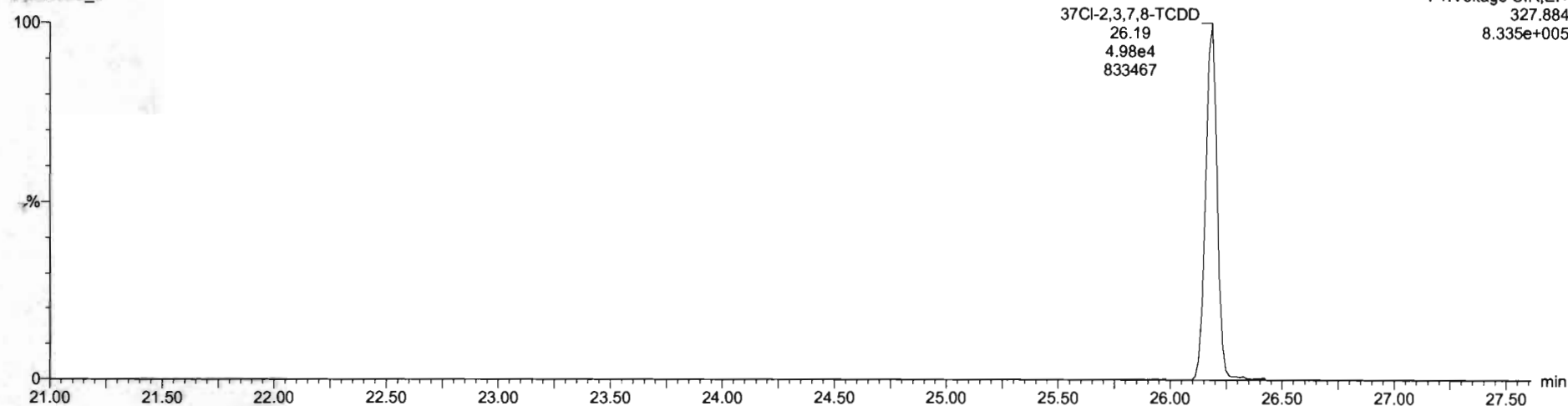
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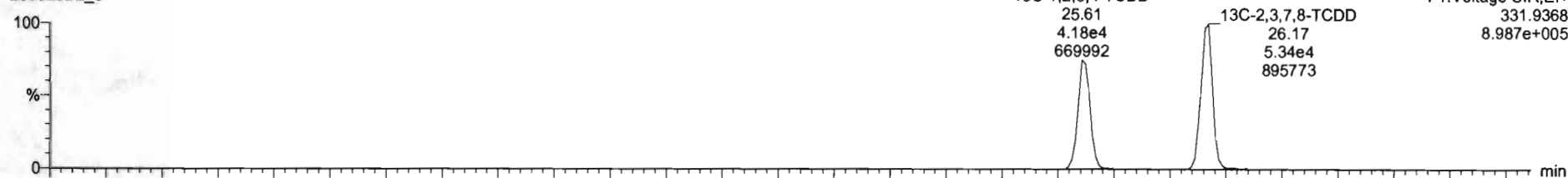
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200526D2_6

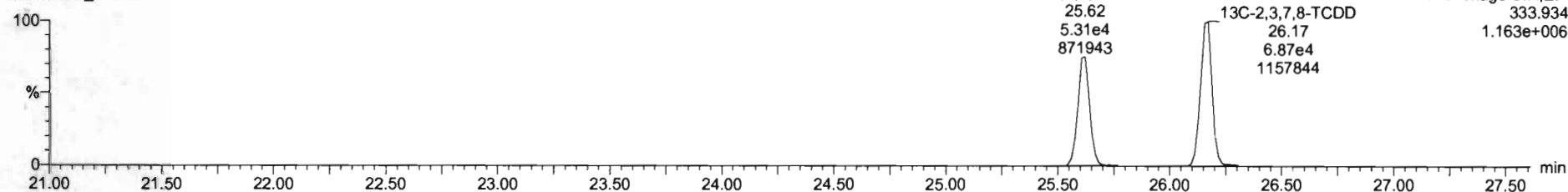


13C-1,2,3,4-TCDD

200526D2_6



200526D2_6



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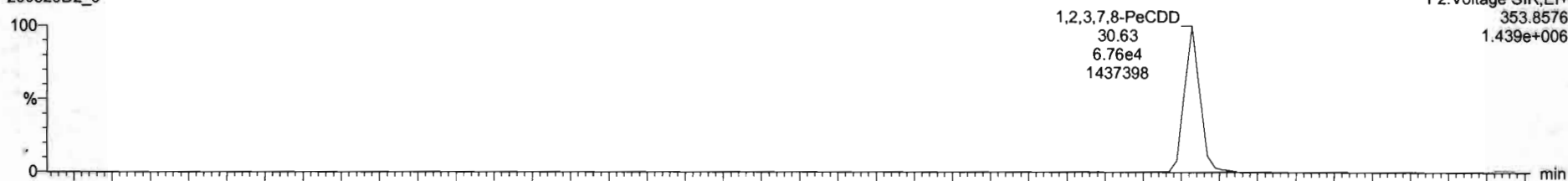
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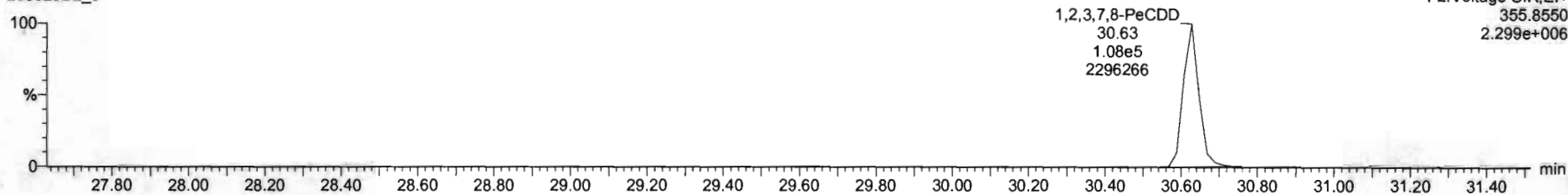
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1,2,3,7,8-PeCDD

200526D2_6

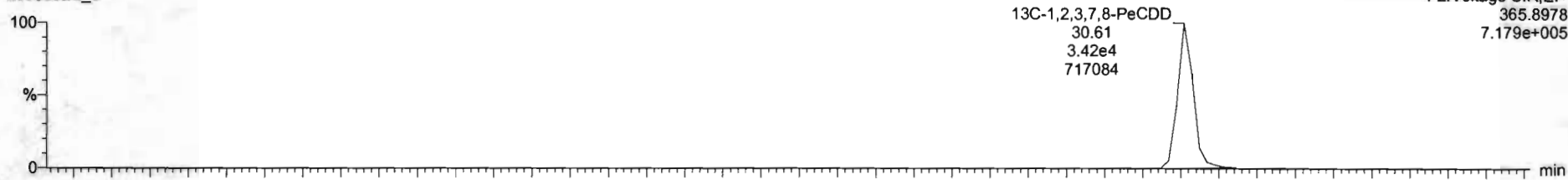


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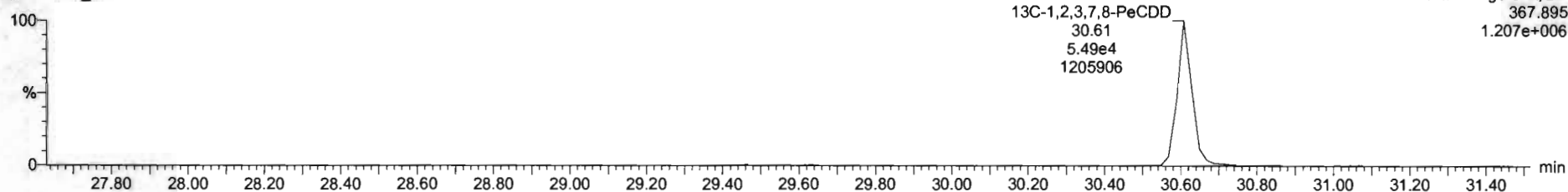


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200526D2_6



200526D2_6



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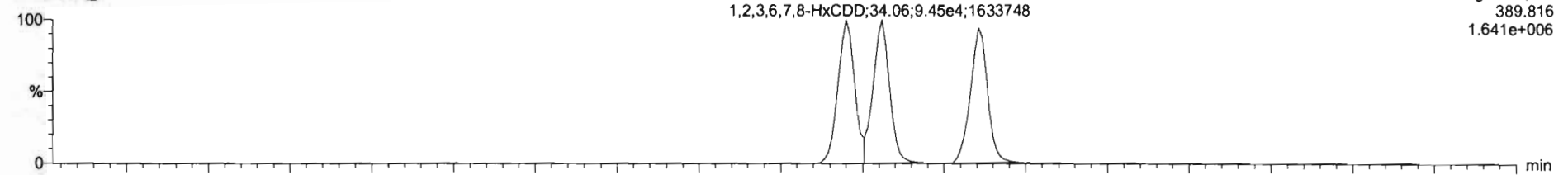
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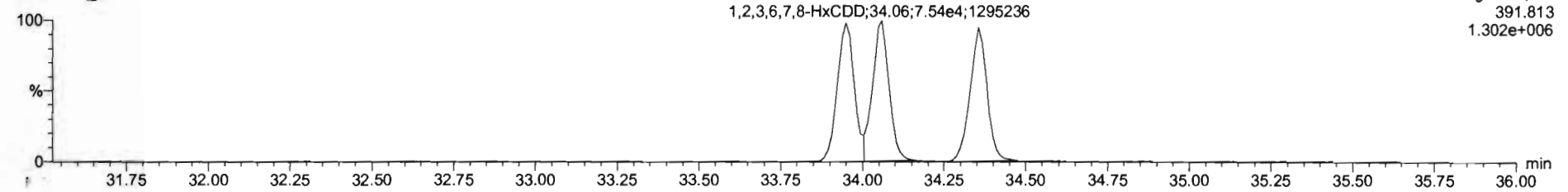
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1,2,3,4,7,8-HxCDD

200526D2_6

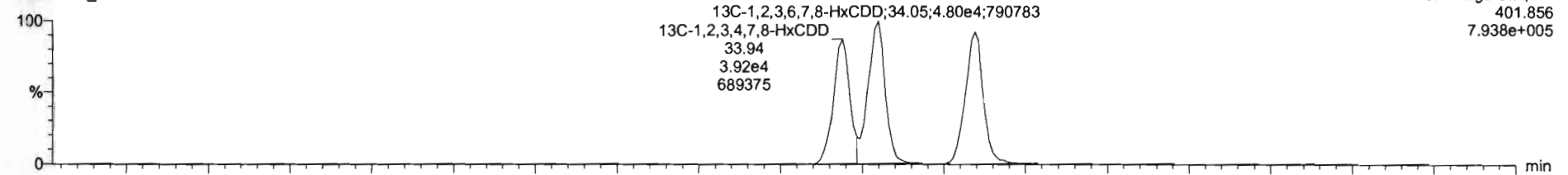


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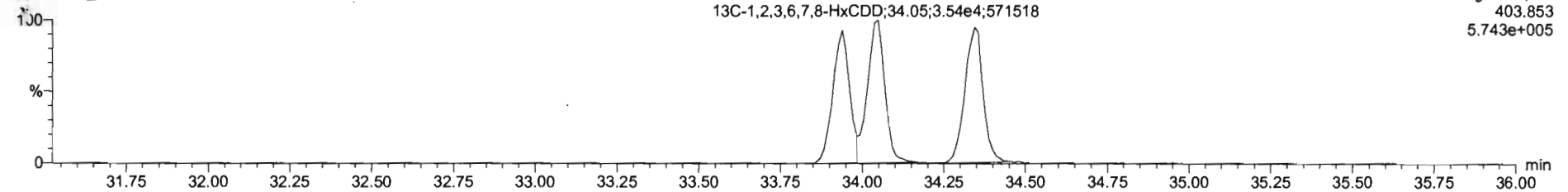


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200526D2_6



200526D2_6



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

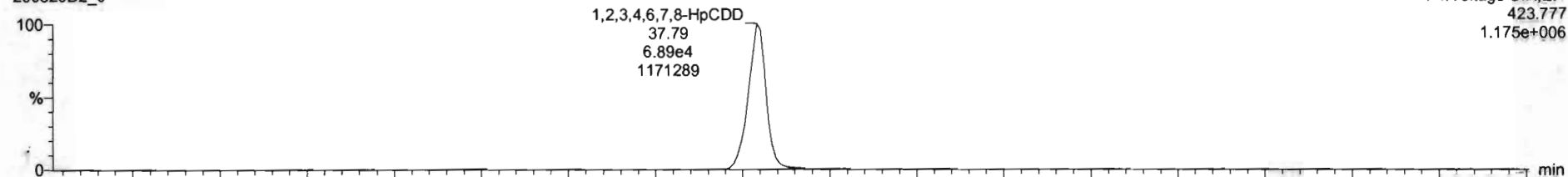
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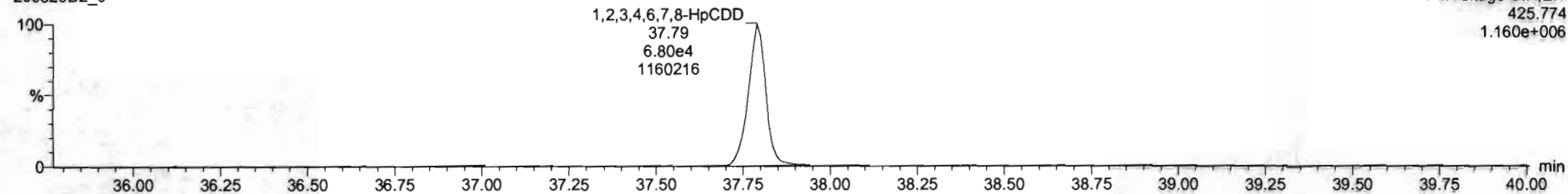
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1,2,3,4,6,7,8-HpCDD

200526D2_6

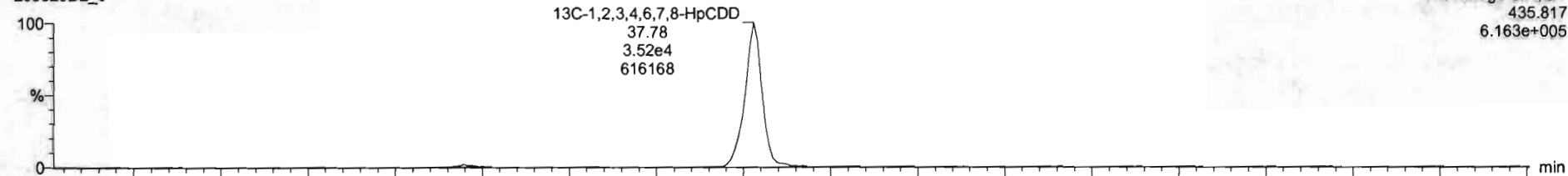


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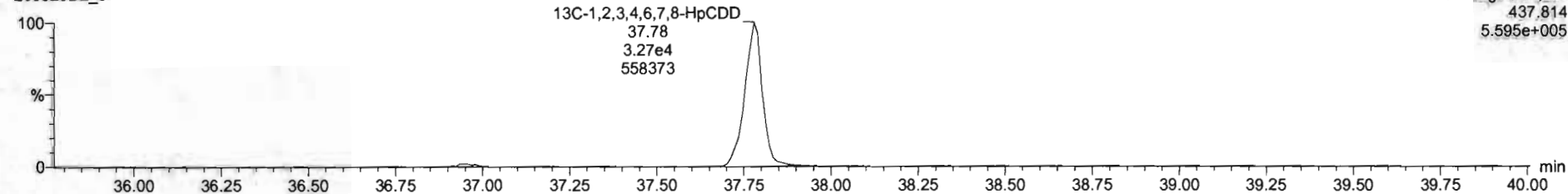


13C-1,2,3,4,6,7,8-HpCDD

200526D2_6



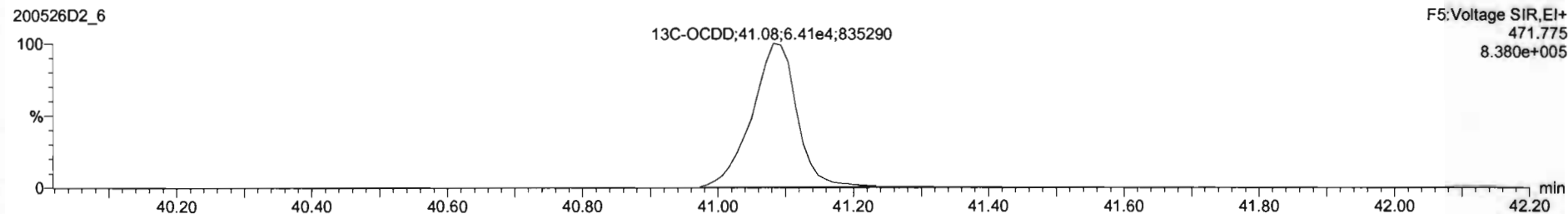
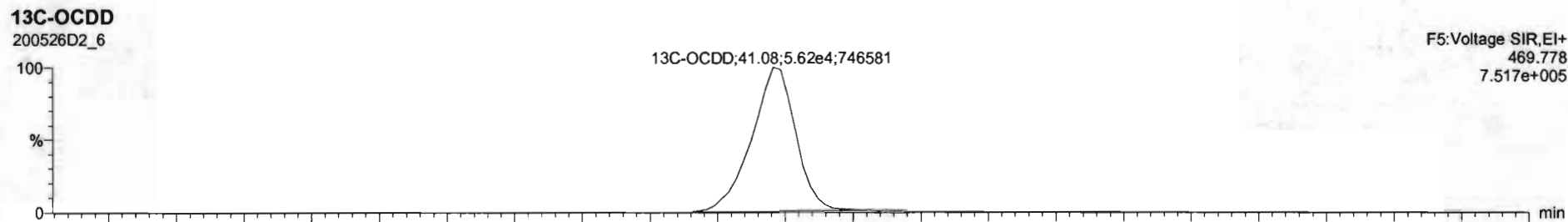
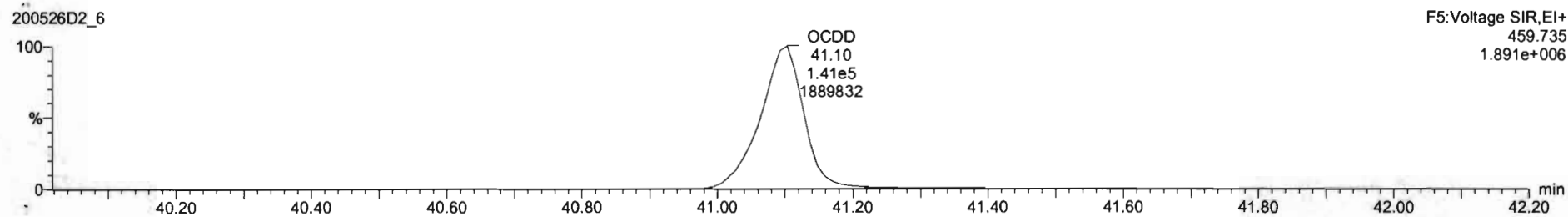
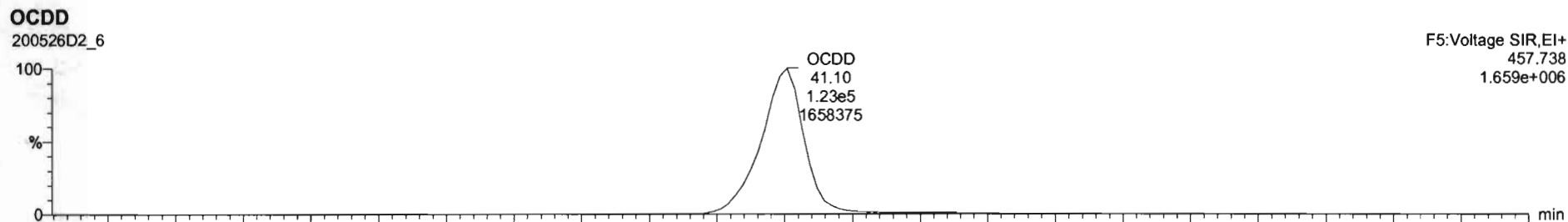
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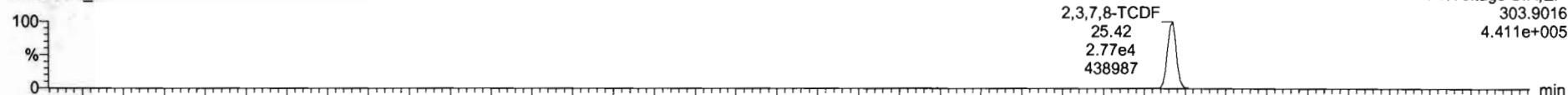
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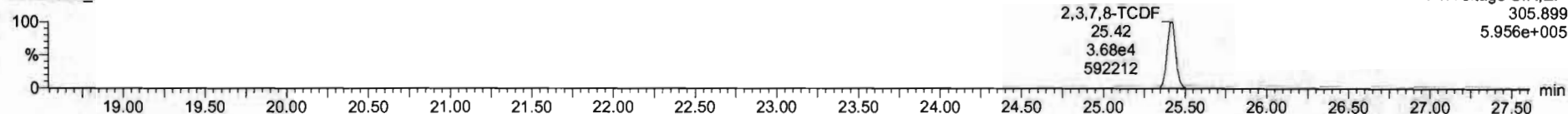
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2,3,7,8-TCDF

200526D2_6

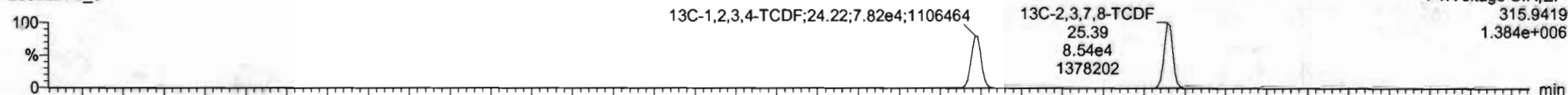


200526D2_6

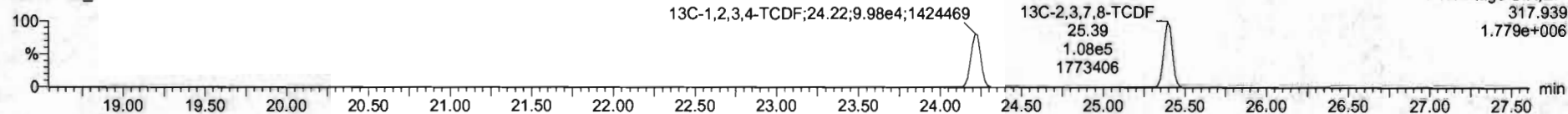


13C-2,3,7,8-TCDF

200526D2_6

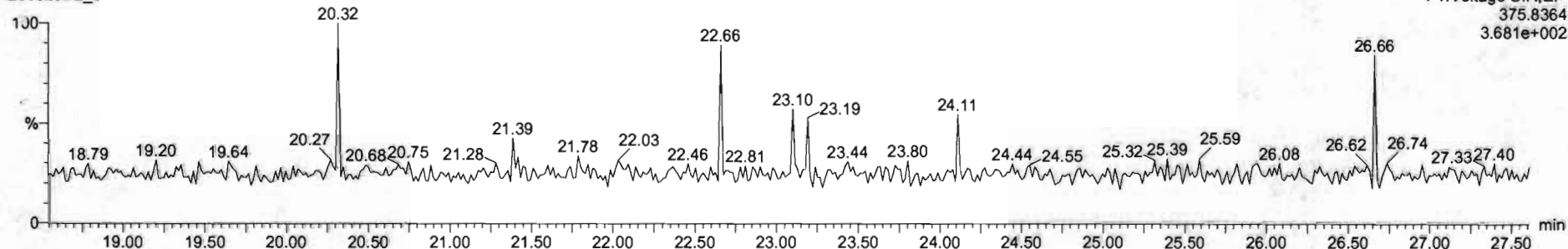


200526D2_6



DPE1

200526D2_6



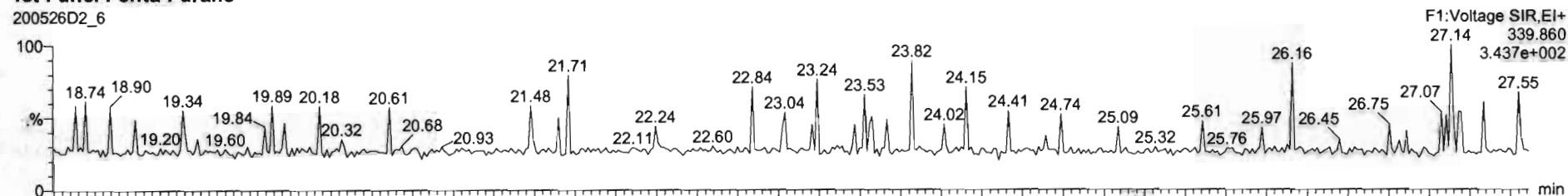
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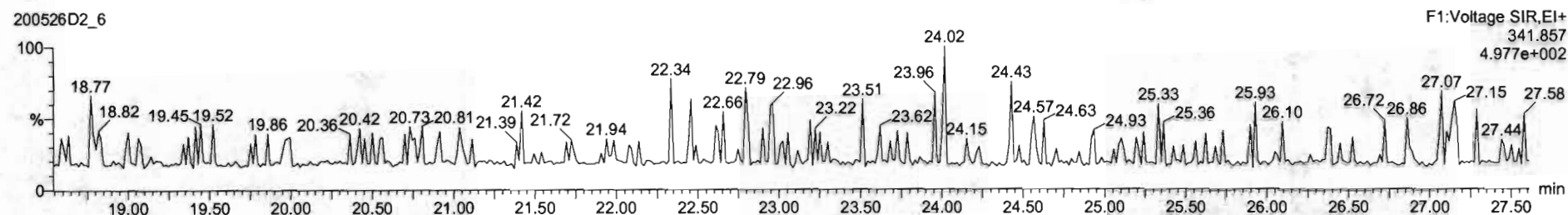
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200526D2_6

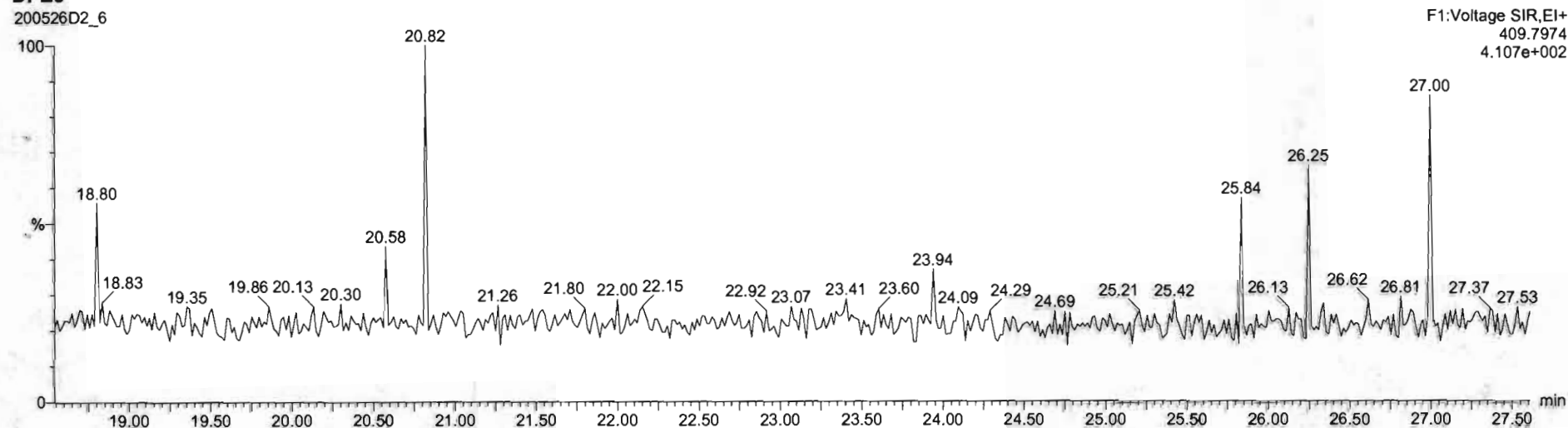


200526D2_6



DPE6

200526D2_6



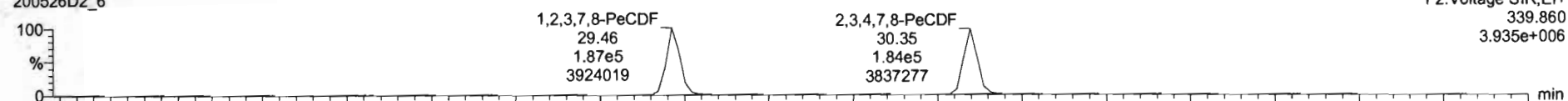
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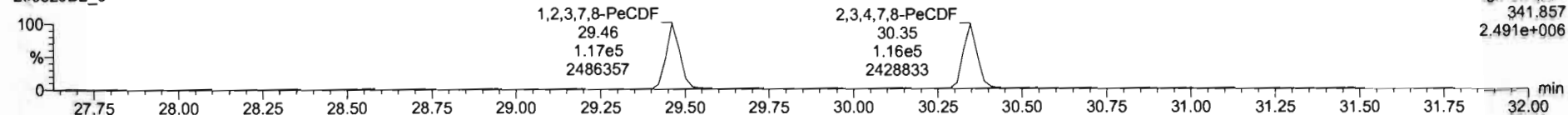
1,2,3,7,8-PeCDF

200526D2_6



F2: Voltage SIR, EI+
339.860
3.935e+006

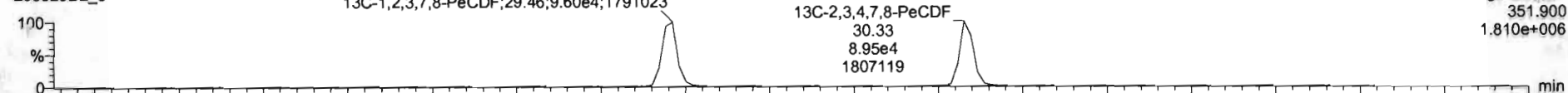
200526D2_6



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341.857
2.491e+006

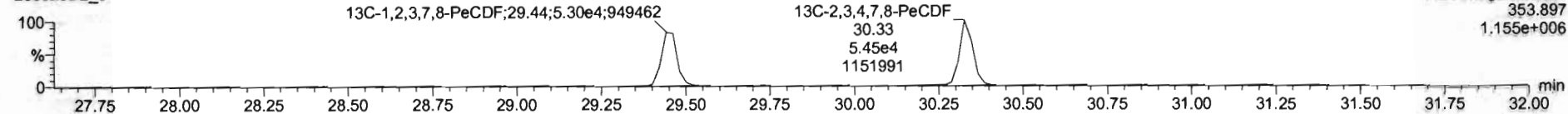
13C-1,2,3,7,8-PeCDF

200526D2_6



F2: Voltage SIR, EI+
351.900
1.810e+006

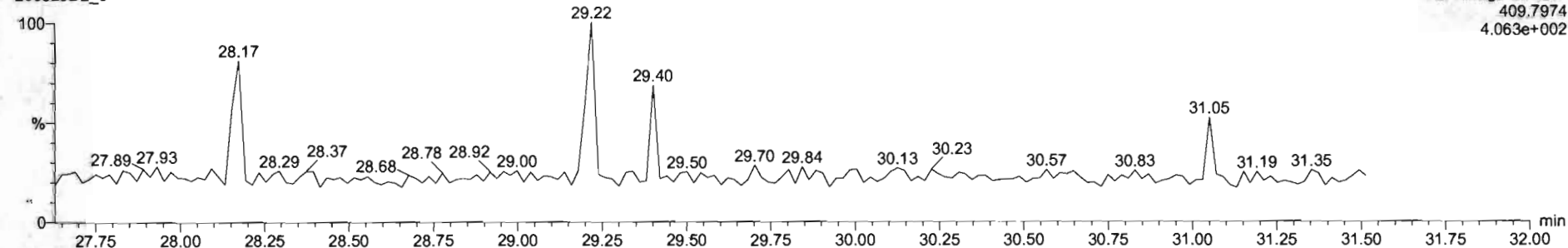
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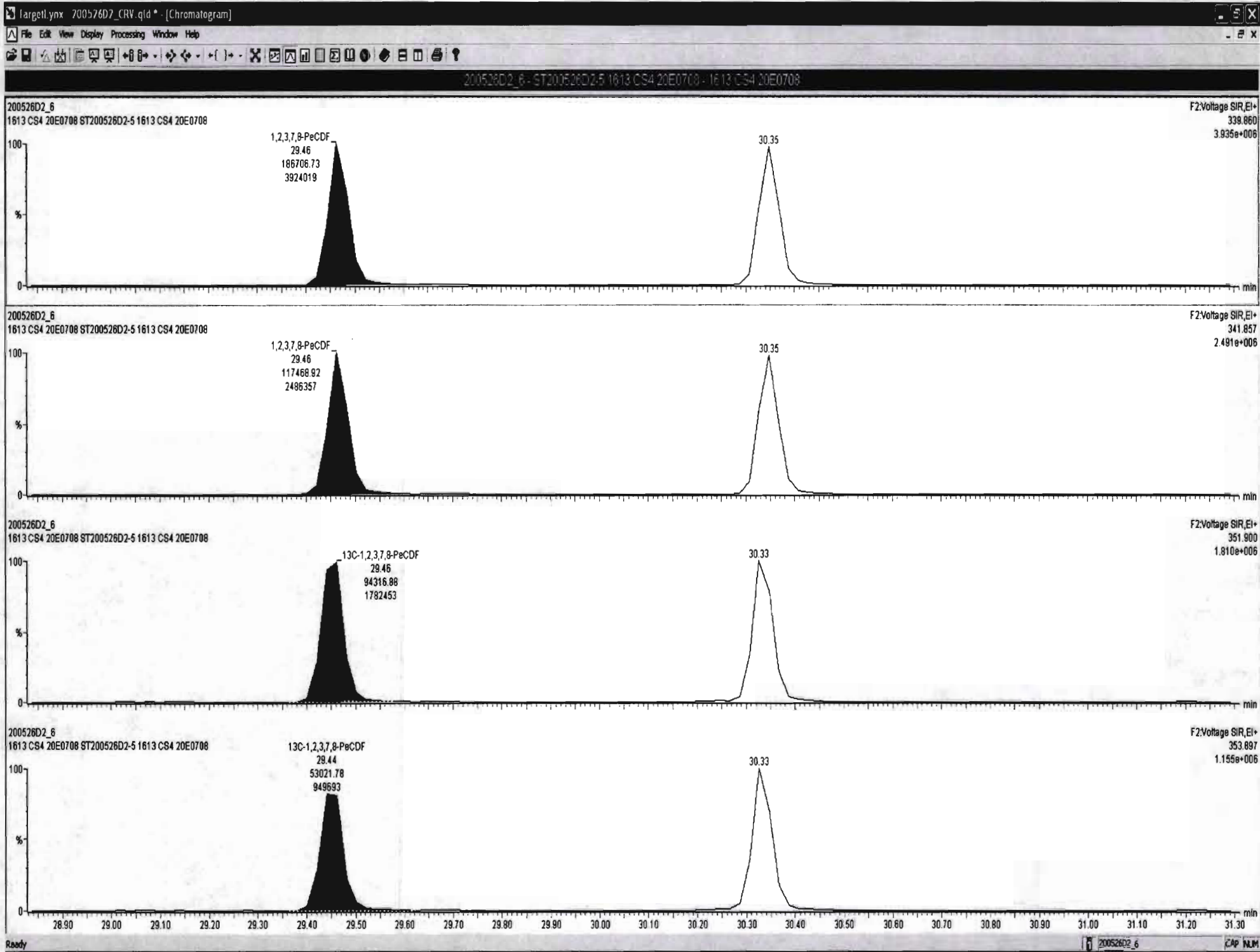
F2: Voltage SIR, EI+
353.897
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DPE2

200526D2_6



F2: Voltage SIR, EI+
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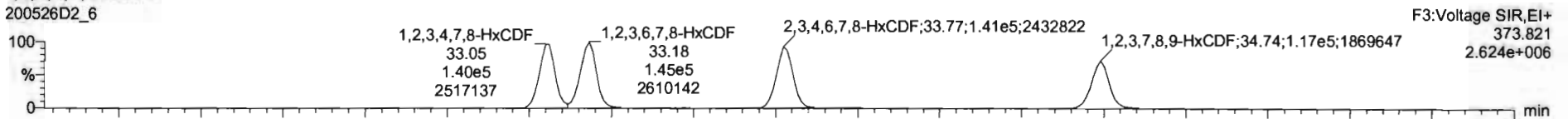
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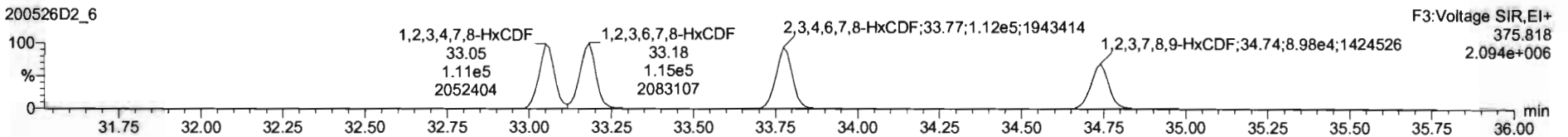
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1,2,3,4,7,8-HxCDF

200526D2_6

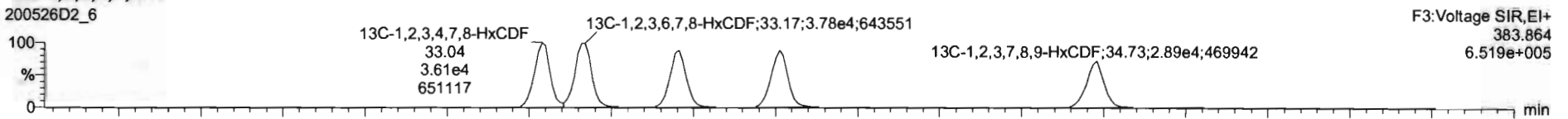


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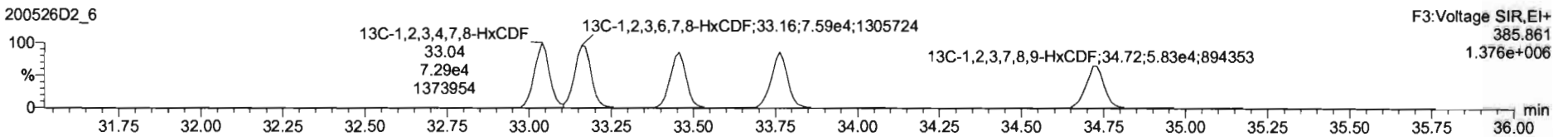


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200526D2_6

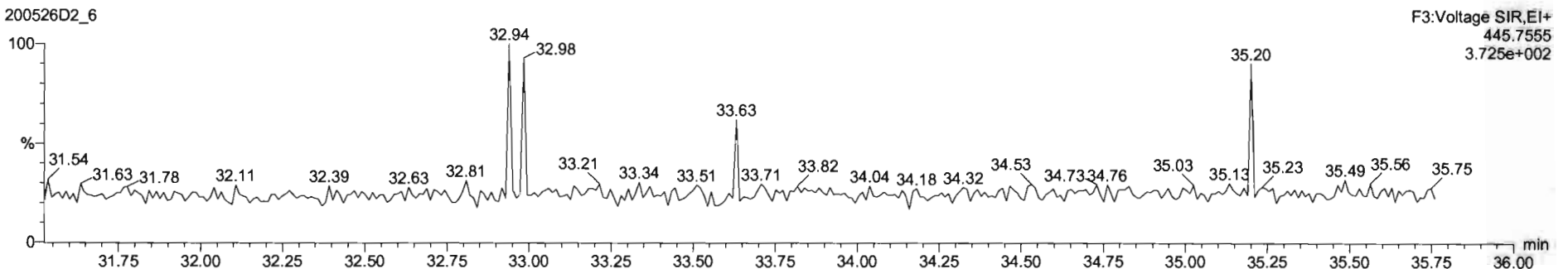


200526D2_6



DPE3

200526D2_6



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

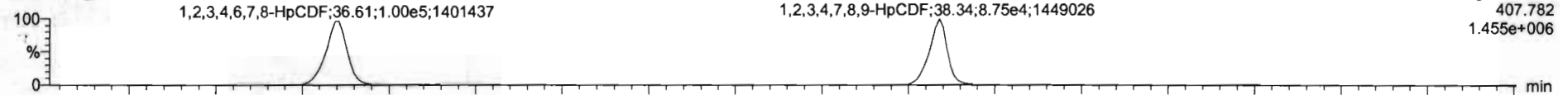
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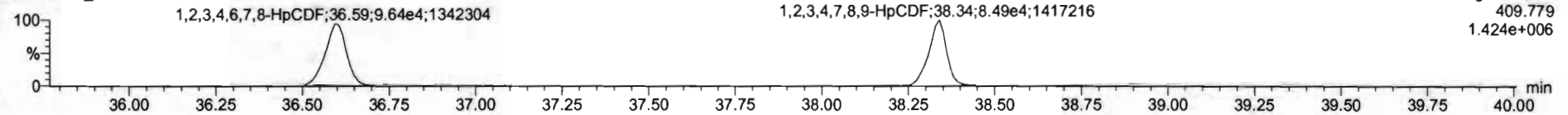
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1,2,3,4,6,7,8-HpCDF

200526D2_6

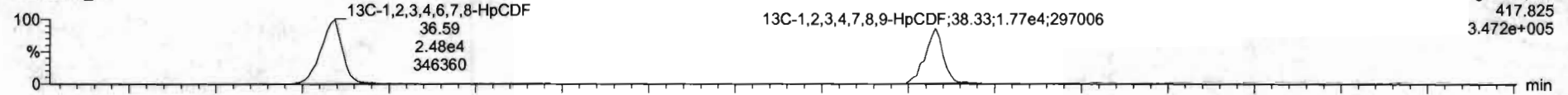


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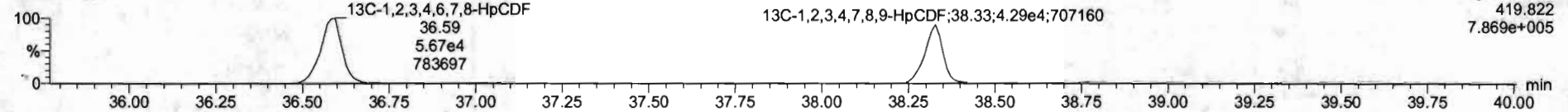


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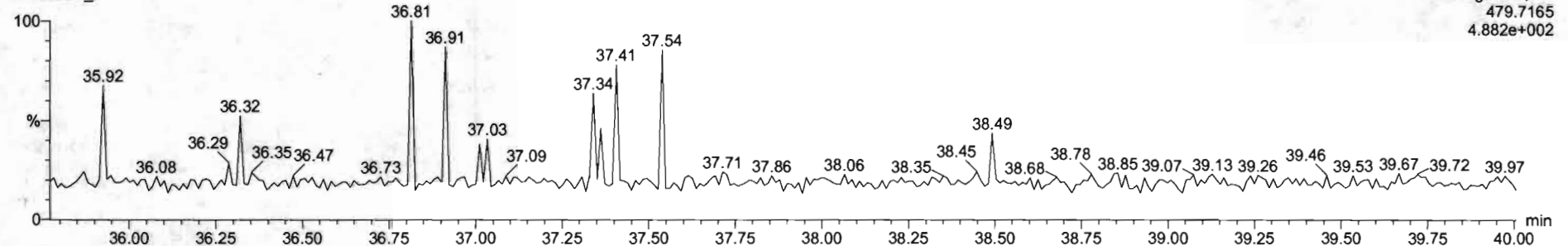


200526D2_6



DPE4

200526D2_6



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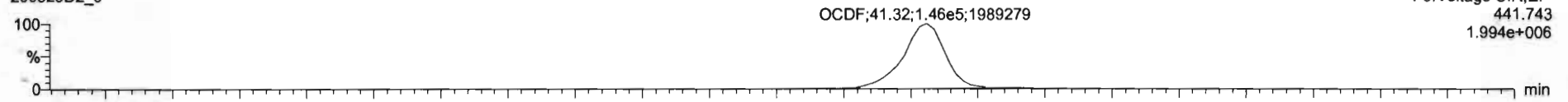
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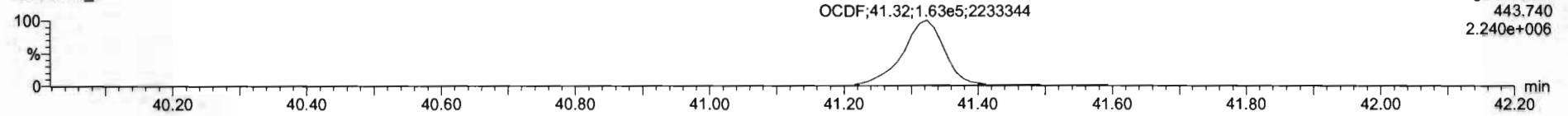
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OCDF

200526D2_6

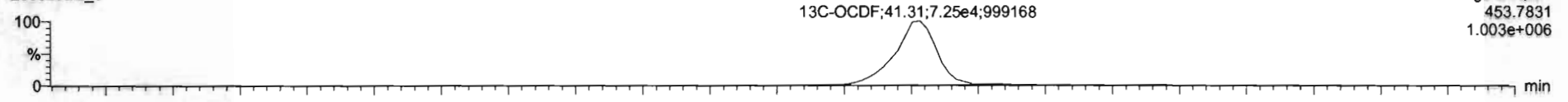


200526D2_6

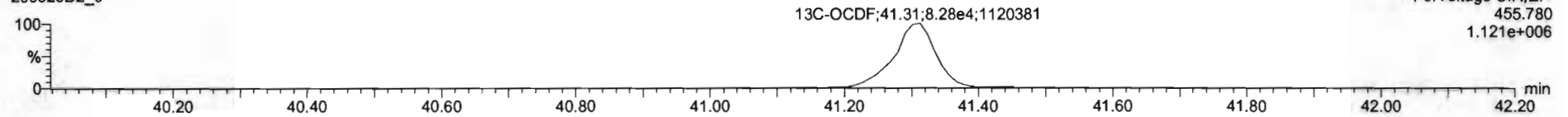


13C-OCDF

200526D2_6

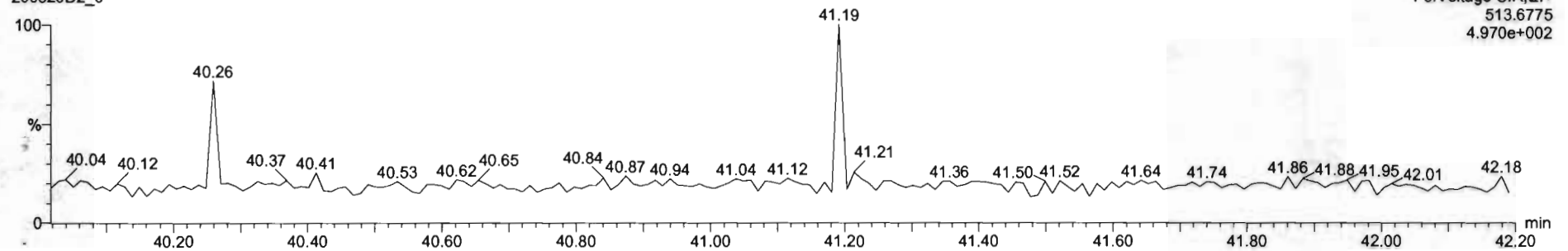


200526D2_6



DPE5

200526D2_6

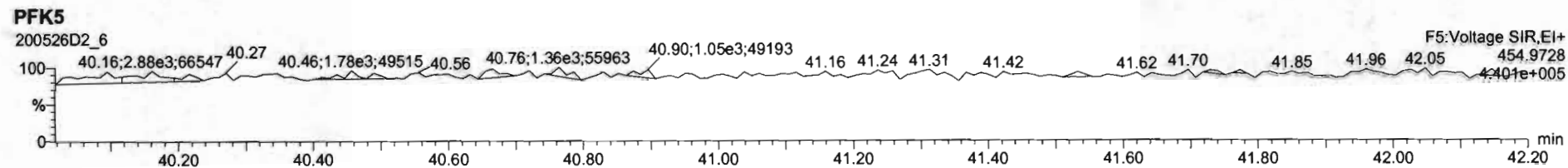
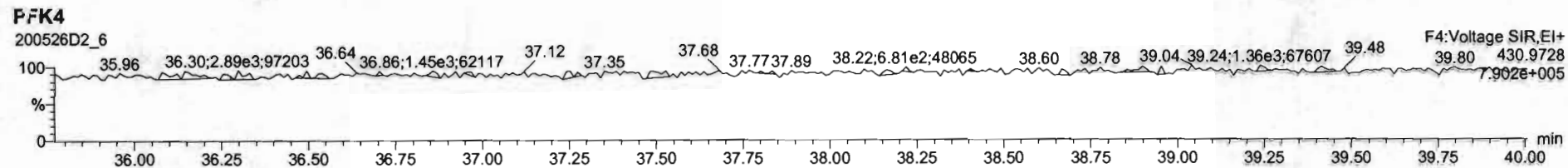
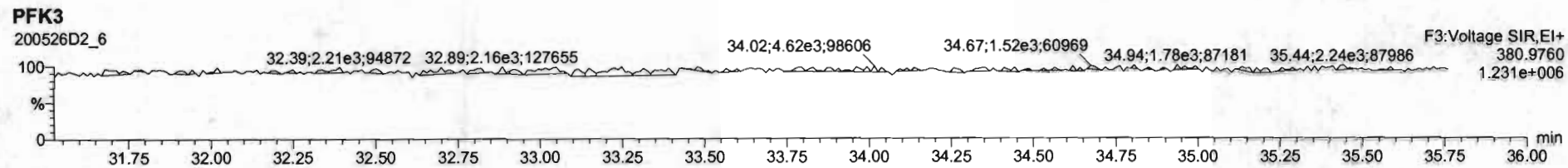
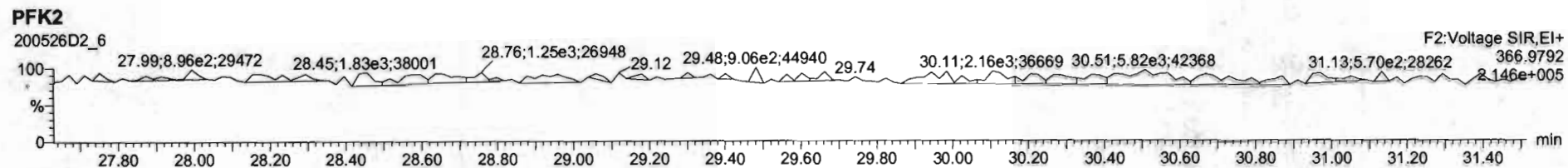
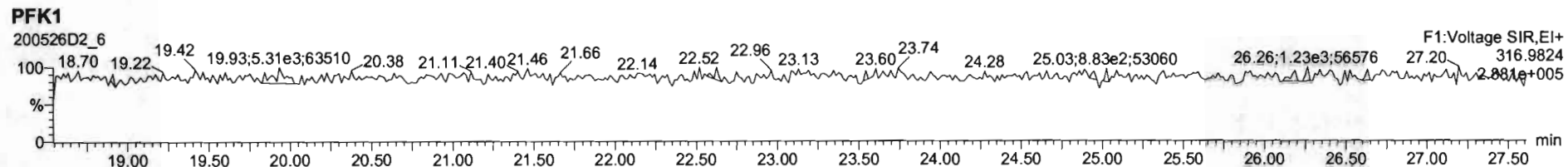


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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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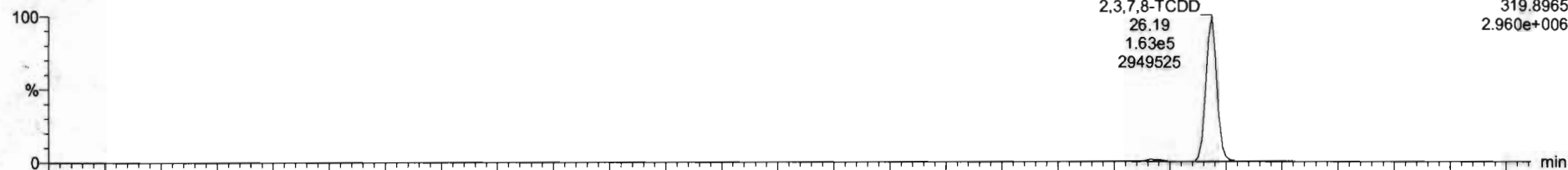
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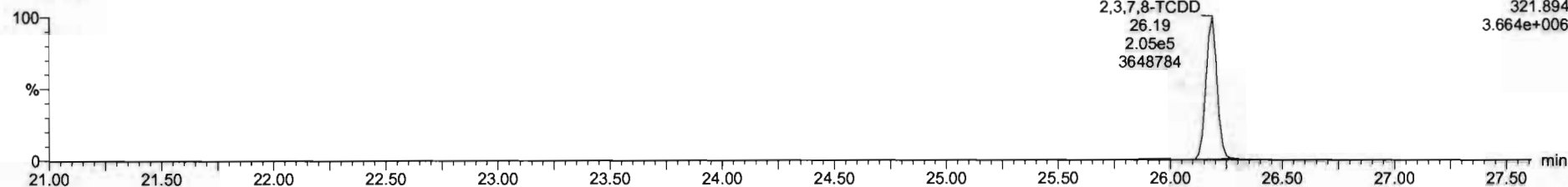
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2,3,7,8-TCDD

200526D2_7

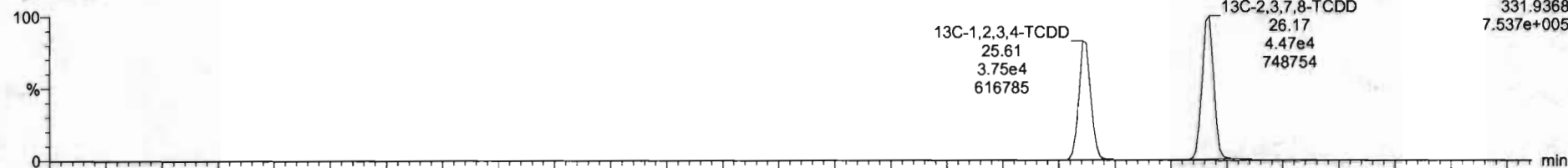


200526D2_7

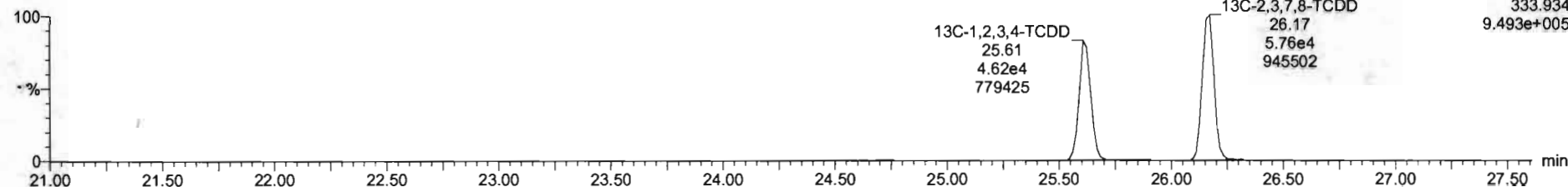


13C-2,3,7,8-TCDD

200526D2_7



200526D2_7



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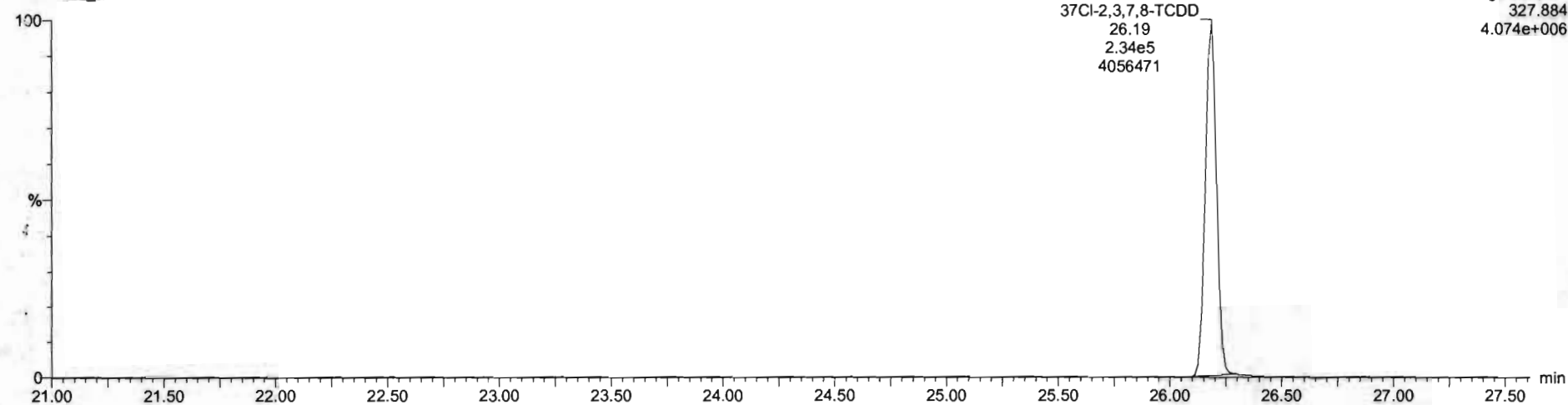
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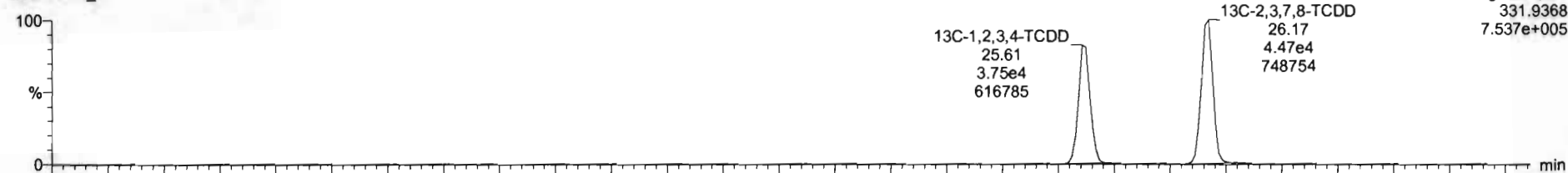
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200526D2_7

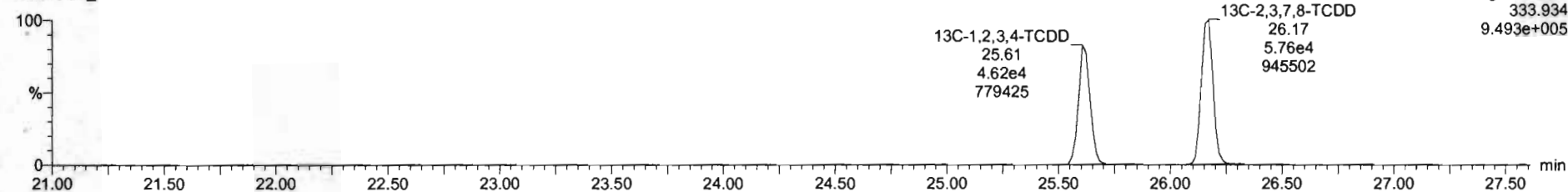


13C-1,2,3,4-TCDD

200526D2_7



200526D2_7



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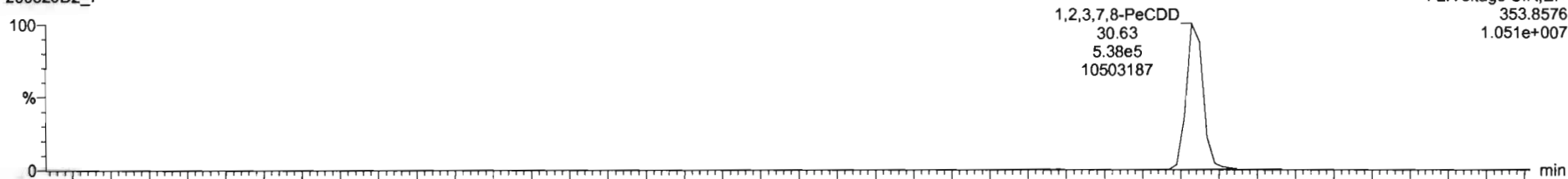
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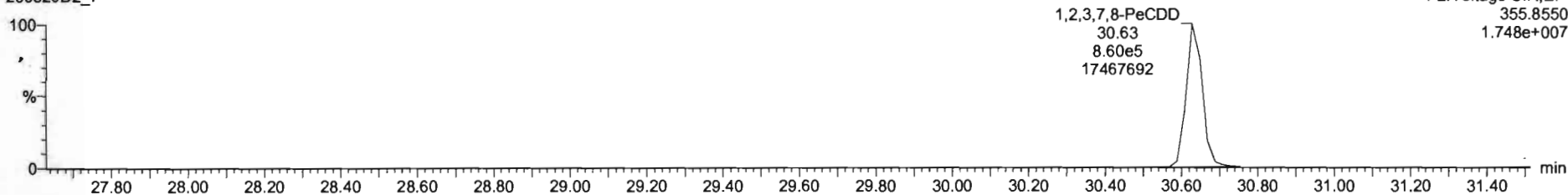
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1,2,3,7,8-PeCDD

200526D2_7

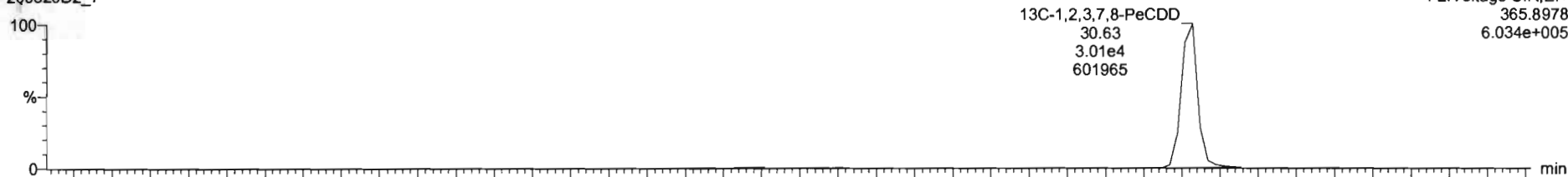


200526D2_7

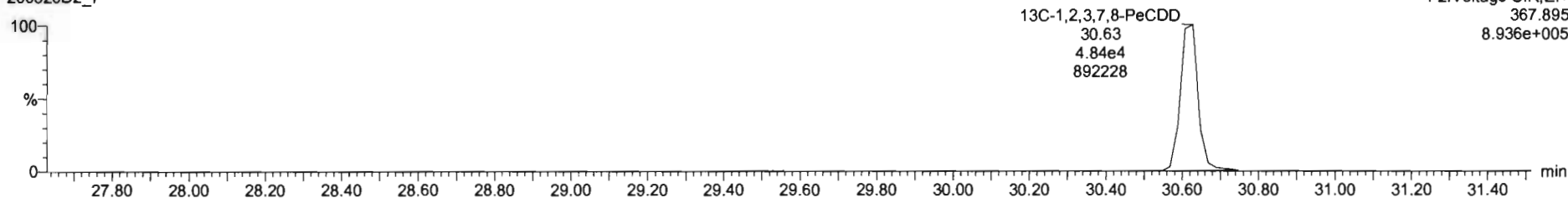


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200526D2_7



200526D2_7



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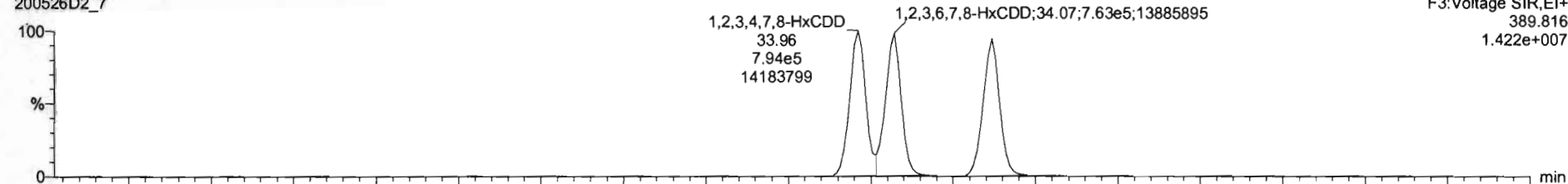
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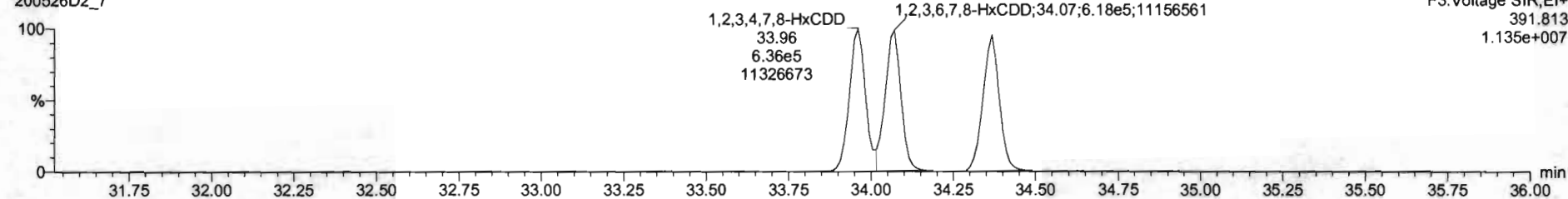
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1,2,3,4,7,8-HxCDD

200526D2_7

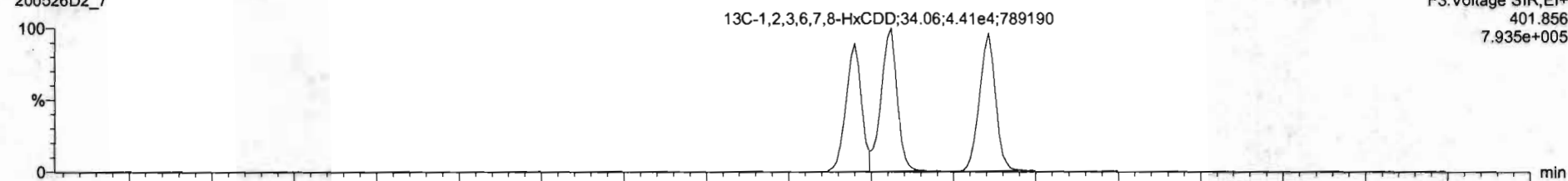


200526D2_7

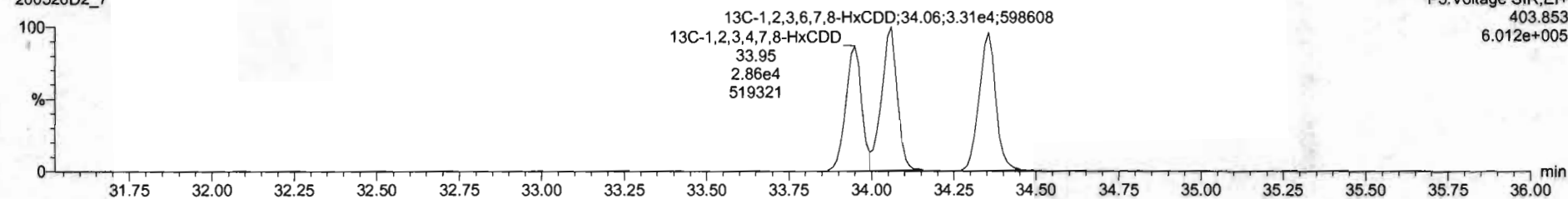


13C-1,2,3,4,7,8-HxCDD

200526D2_7



200526D2_7



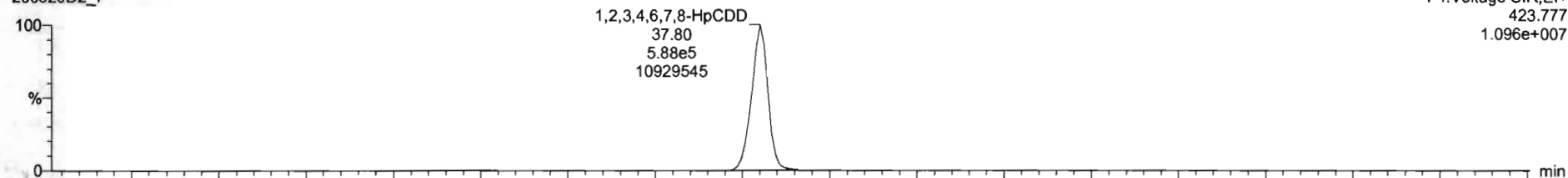
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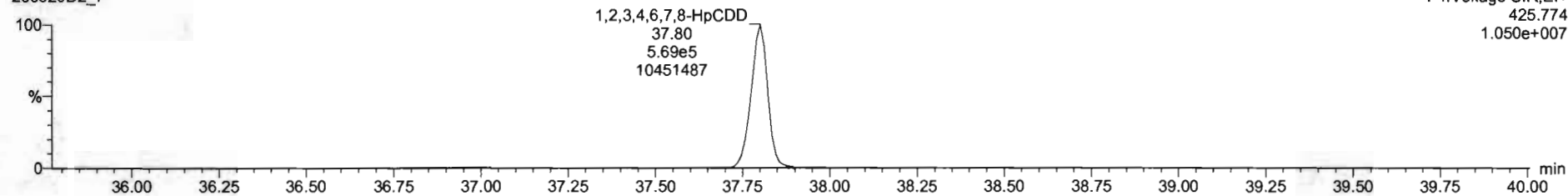
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1,2,3,4,6,7,8-HpCDD

200526D2_7

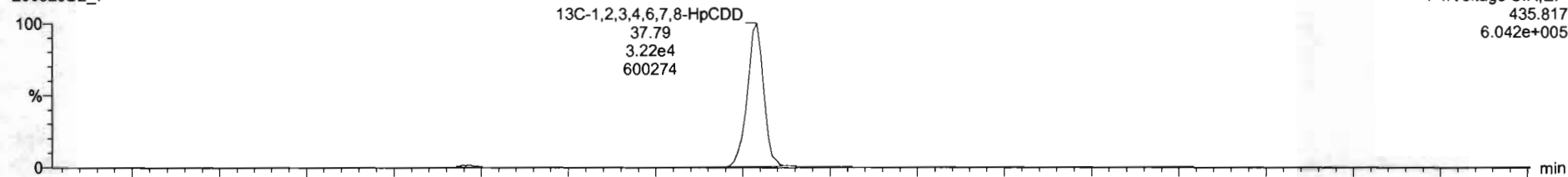


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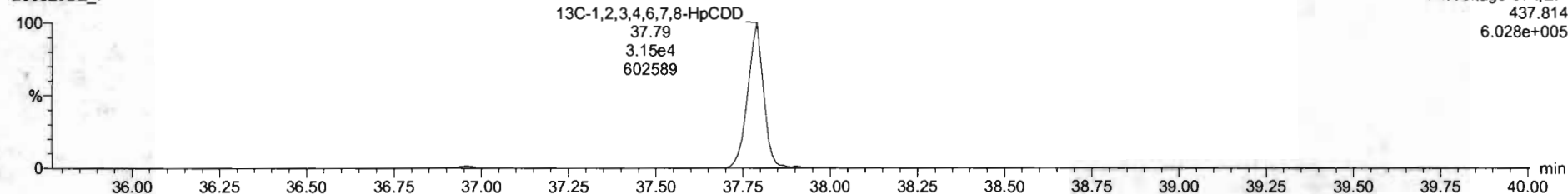


13C-1,2,3,4,6,7,8-HpCDD

200526D2_7



200526D2_7



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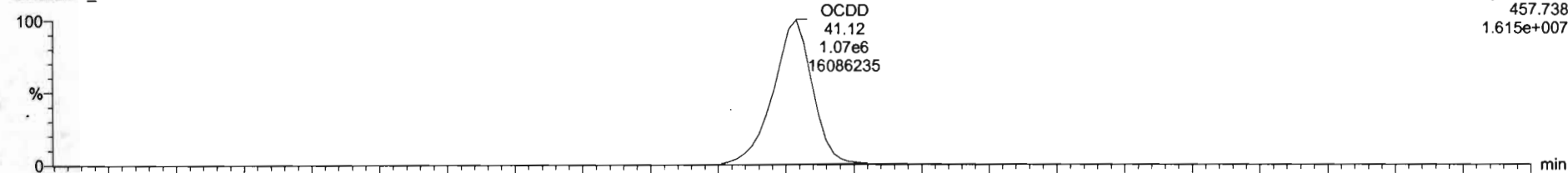
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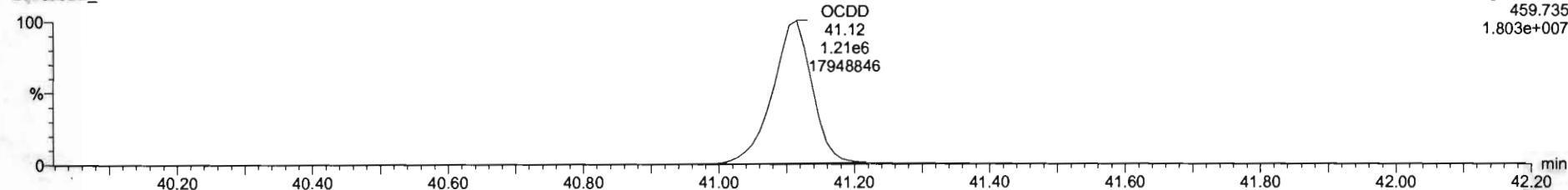
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OCDD

200526D2_7

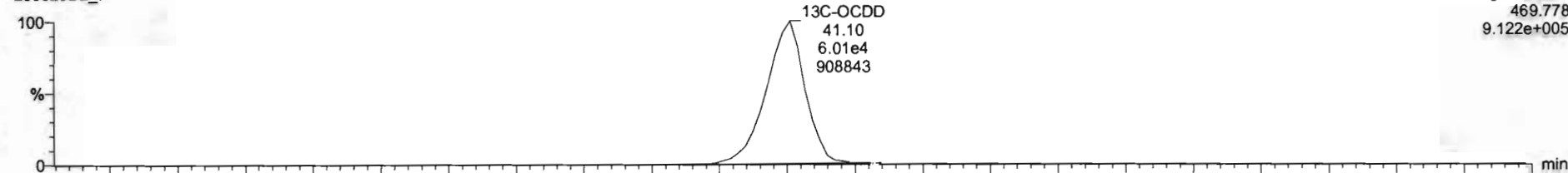


200526D2_7

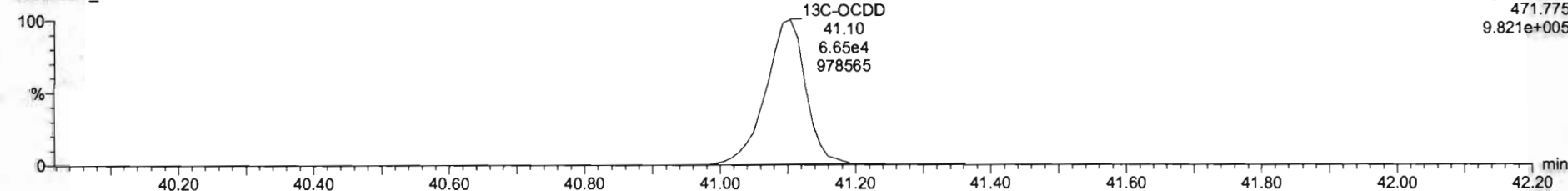


13C-OCDD

200526D2_7



200526D2_7



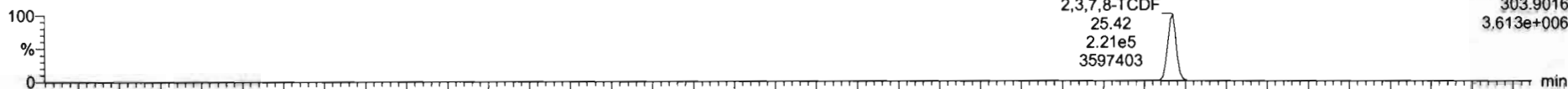
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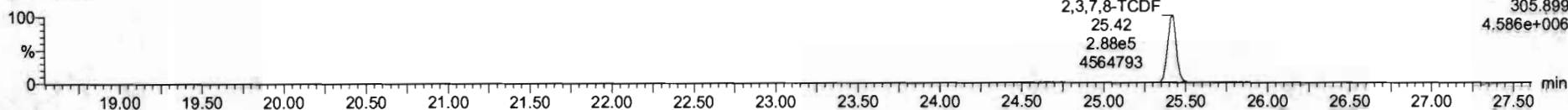
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2,3,7,8-TCDF

200526D2_7



200526D2_7

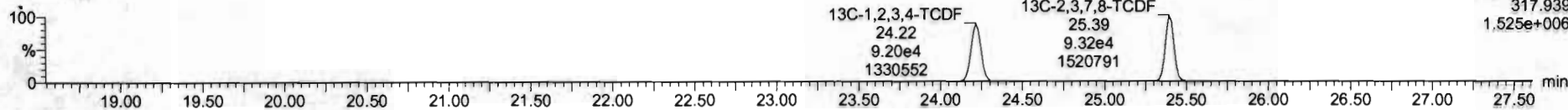


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200526D2_7

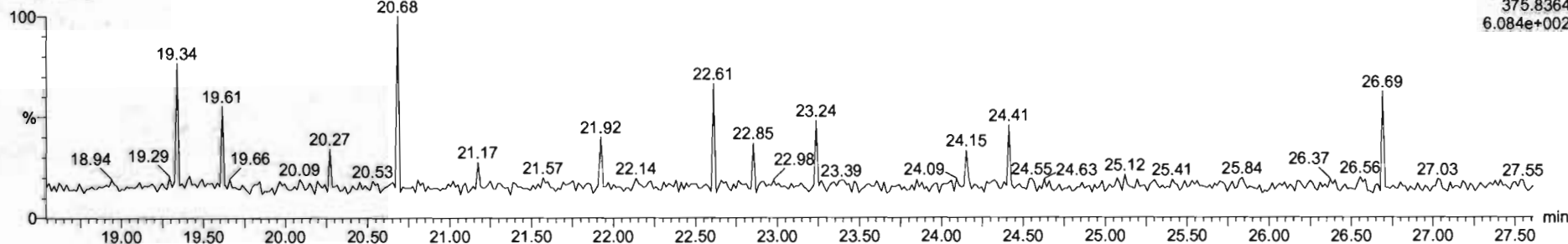


200526D2_7



DPE1

200526D2_7



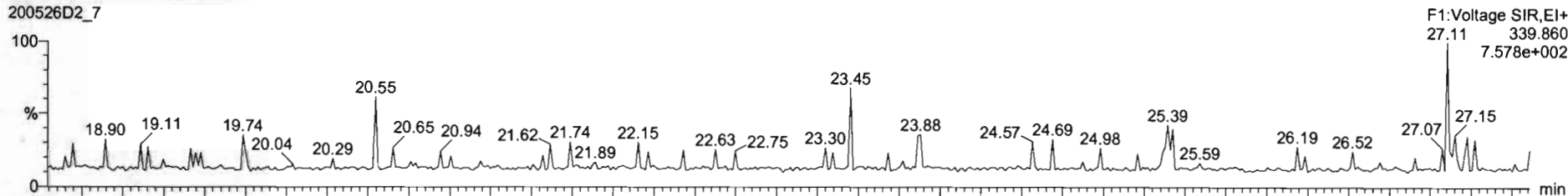
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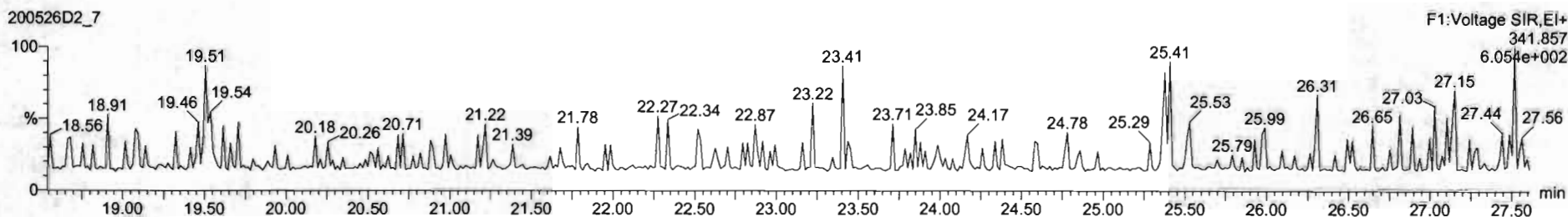
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200526D2_7

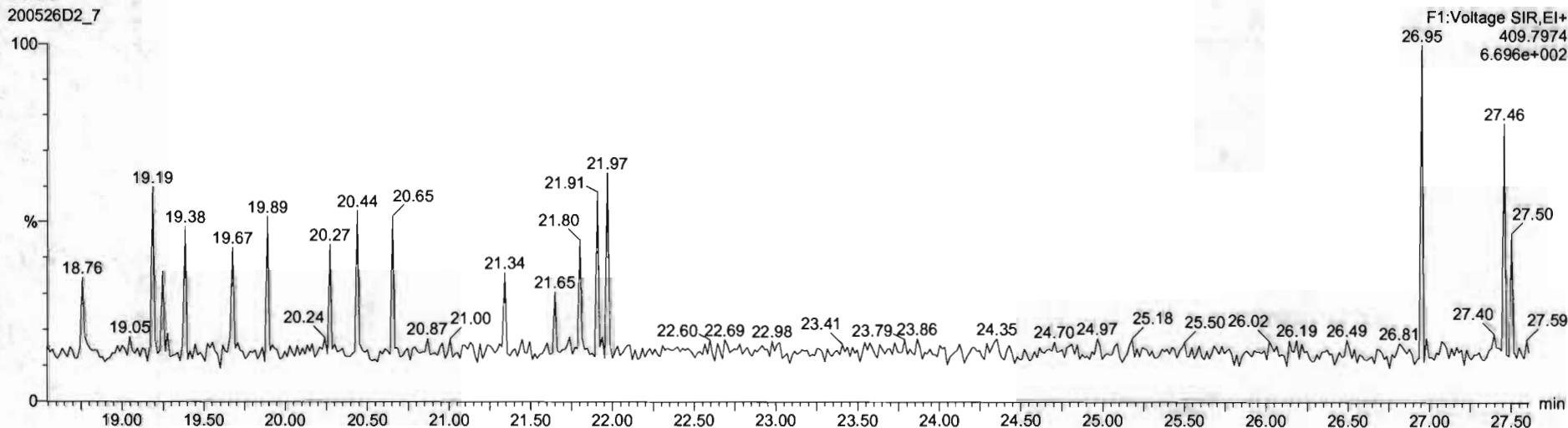


200526D2_7



DPE6

200526D2_7



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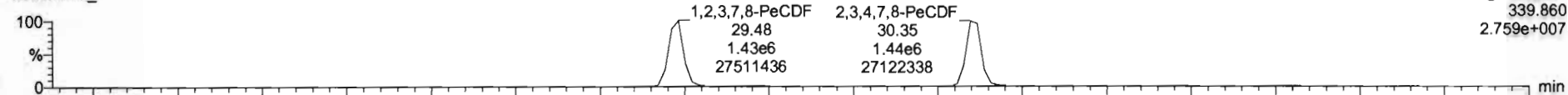
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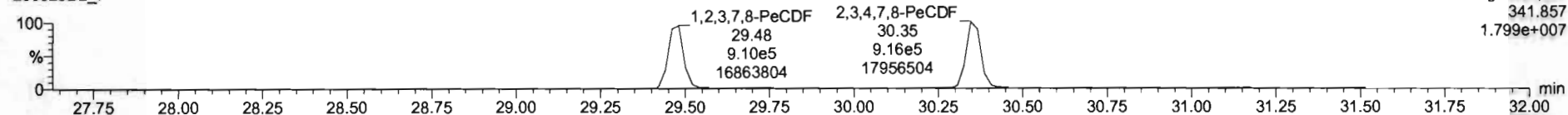
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1,2,3,7,8-PeCDF

200526D2_7

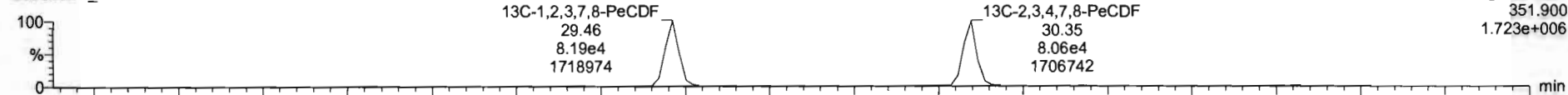


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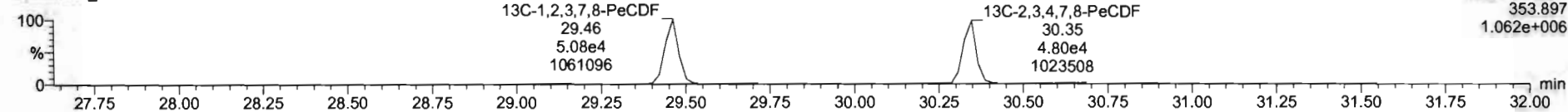


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200526D2_7

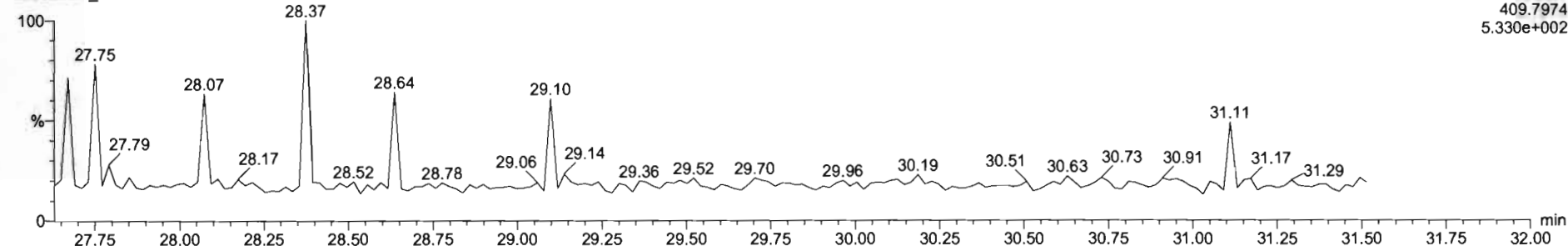


200526D2_7



DPE2

200526D2_7



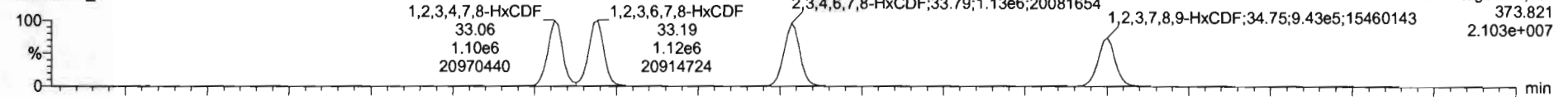
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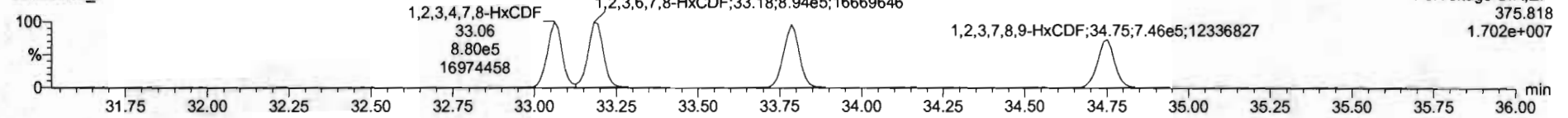
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1,2,3,4,7,8-HxCDF

200526D2_7

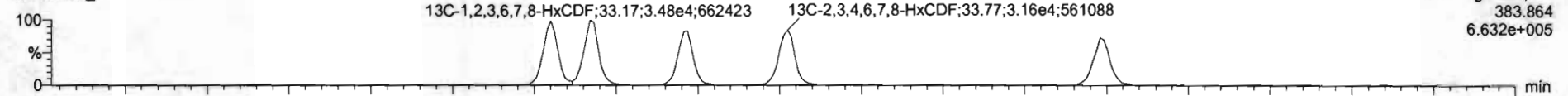


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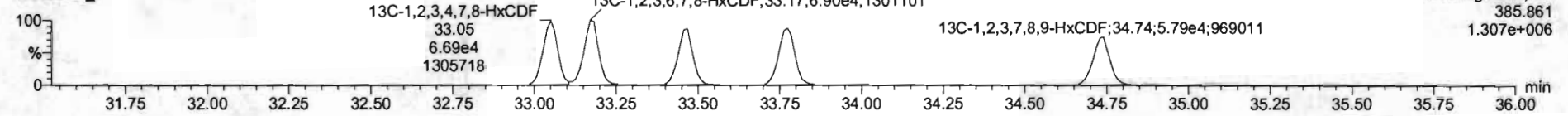


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200526D2_7

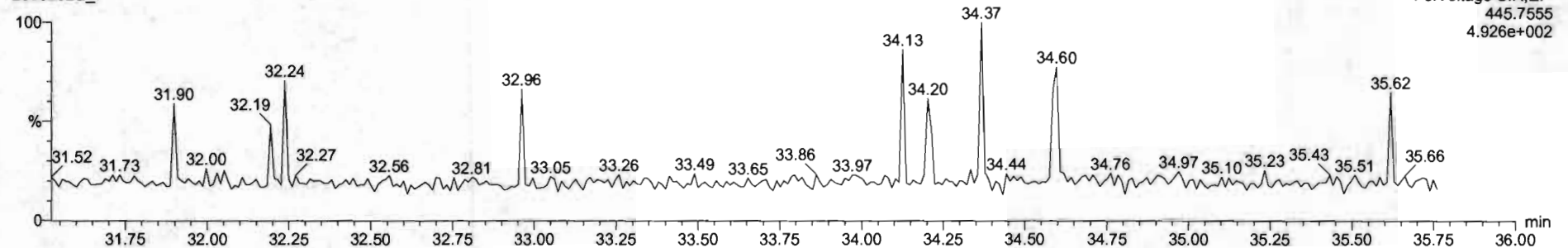


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DPE3

200526D2_7



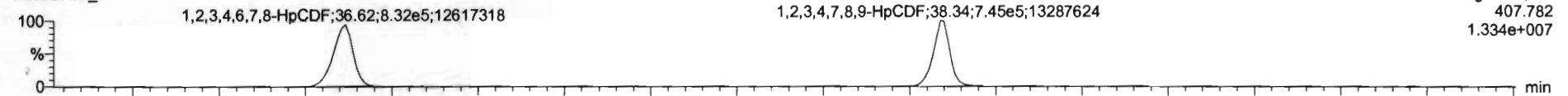
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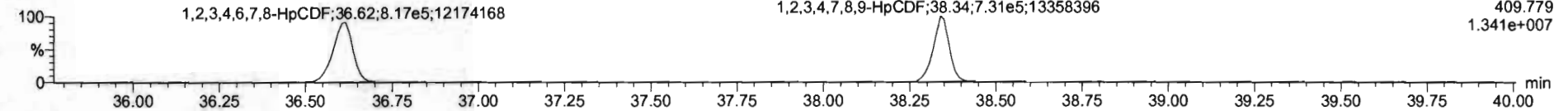
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1,2,3,4,6,7,8-HpCDF

200526D2_7

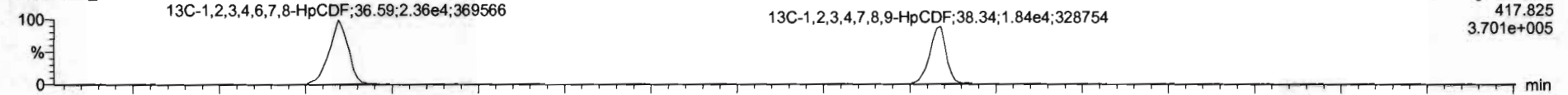


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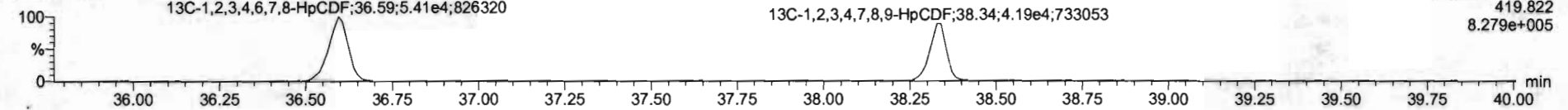


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200526D2_7

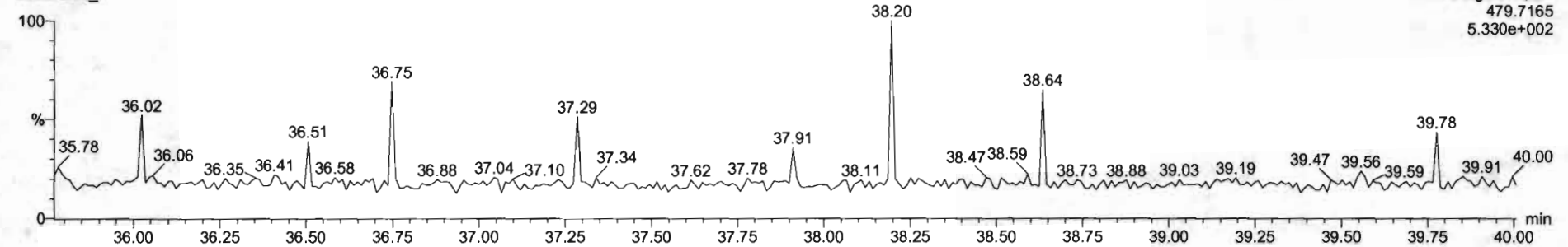


200526D2_7



DPE4

200526D2_7



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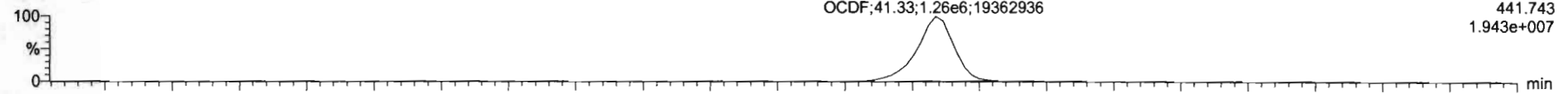
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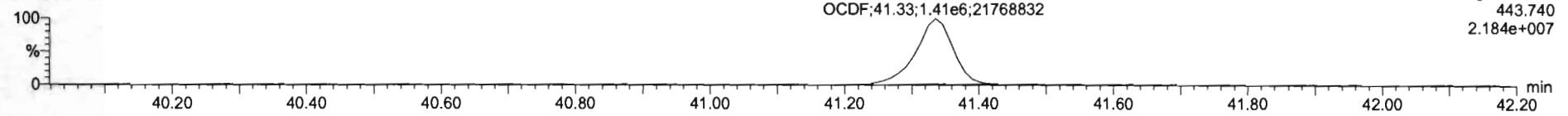
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OCDF

200526D2_7

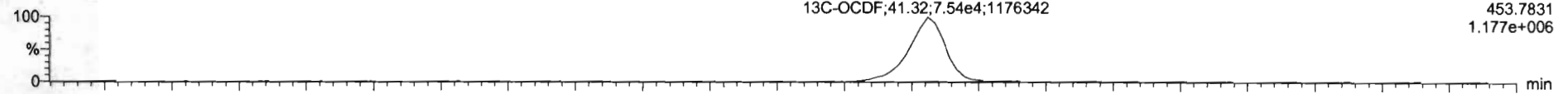


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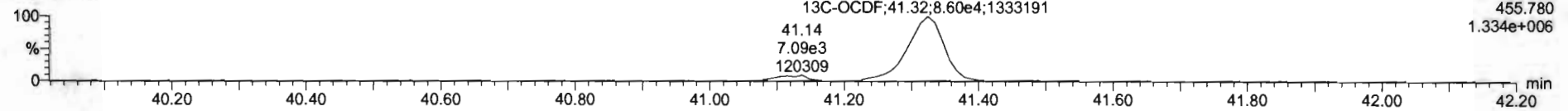


13C-OCDF

200526D2_7

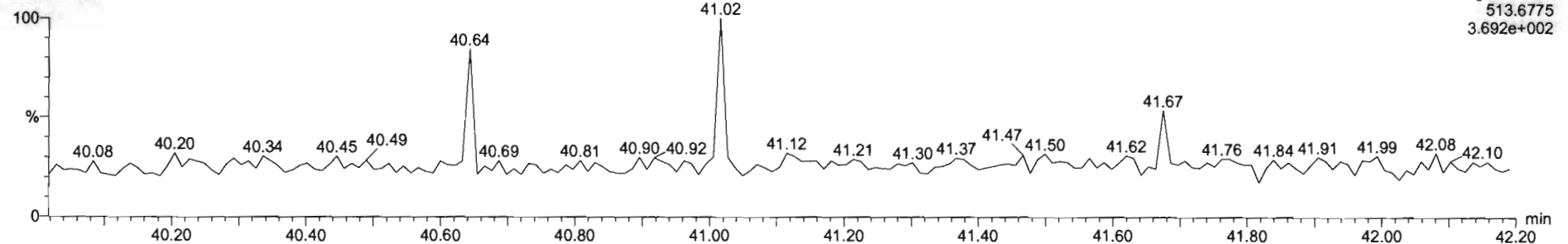


200526D2_7



DPE5

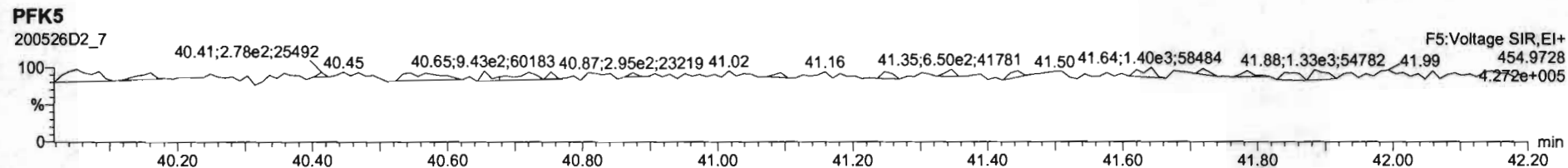
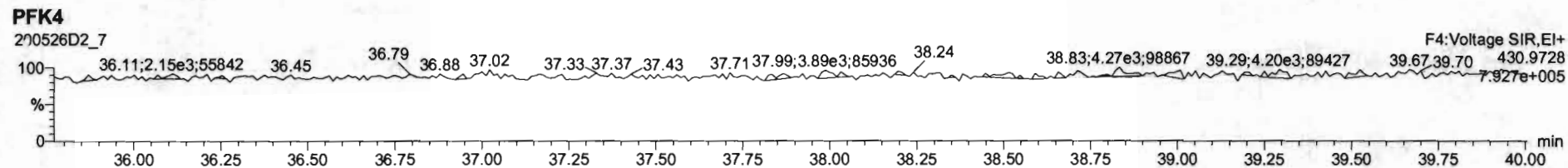
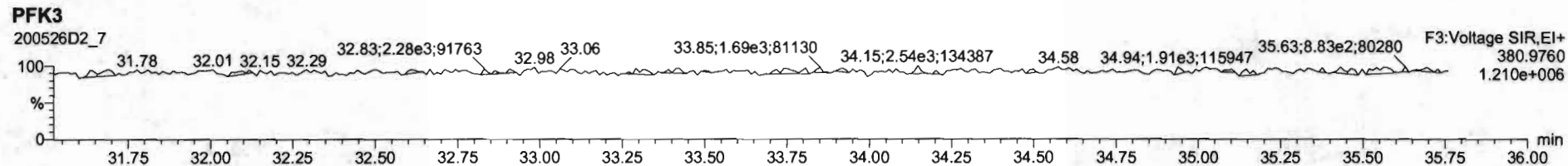
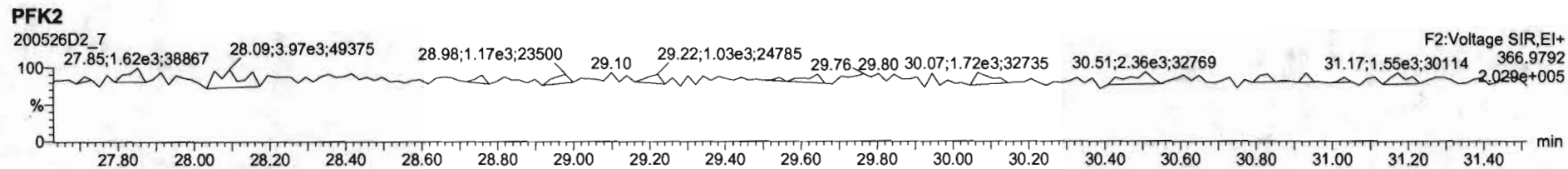
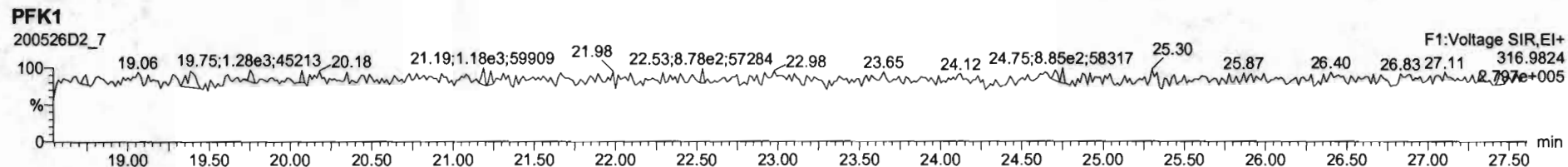
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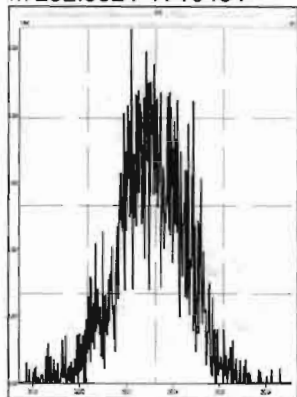
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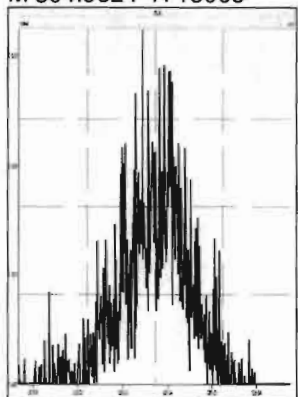
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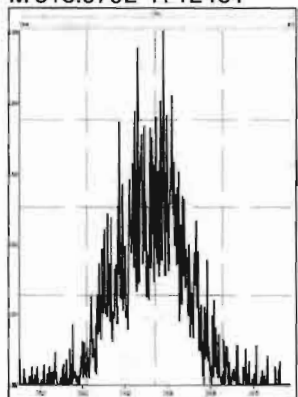
M 292.9824 R 10454



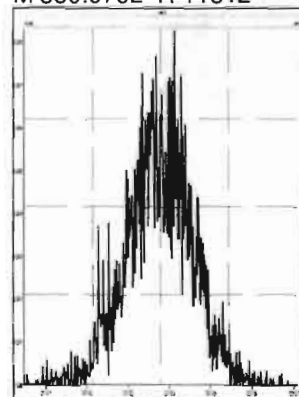
M 304.9824 R 13063



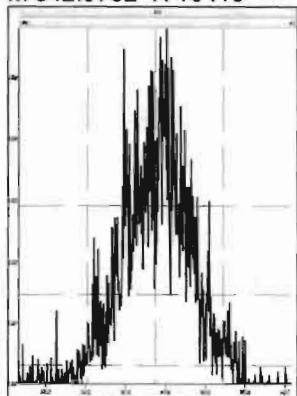
M 318.9792 R 12481



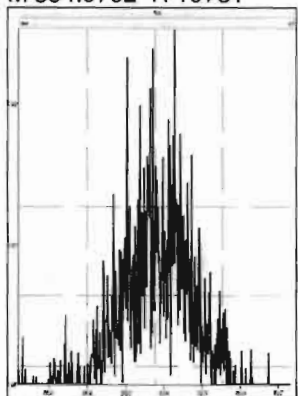
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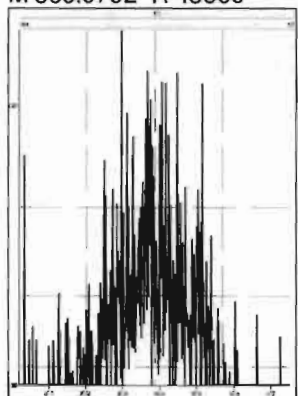
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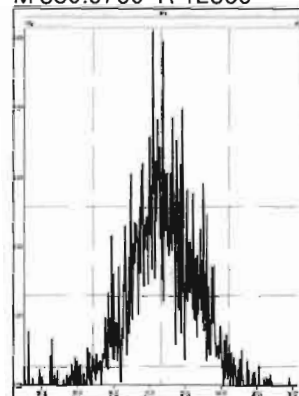
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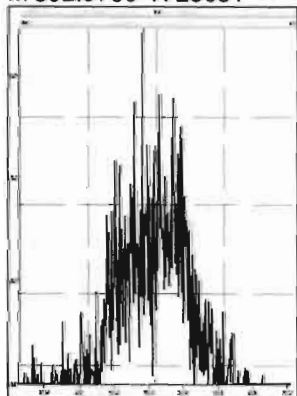
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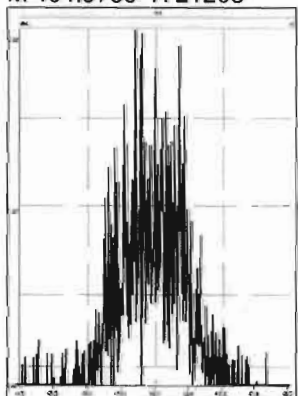
M 380.9760 R 12366



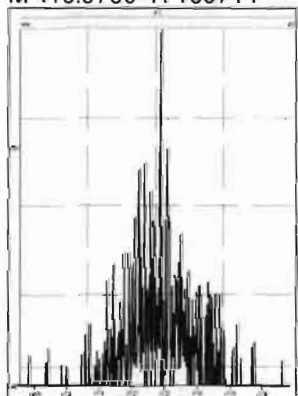
M 392.9760 R 23631



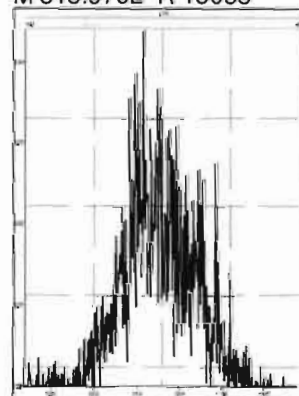
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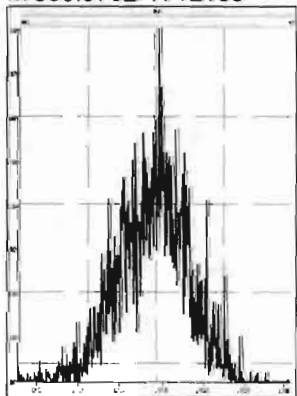
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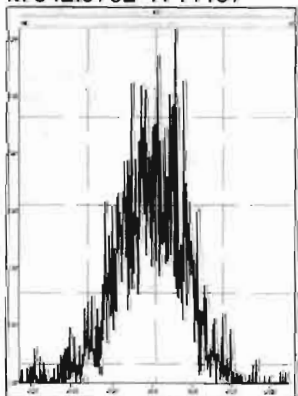
M 318.9792 R 13058



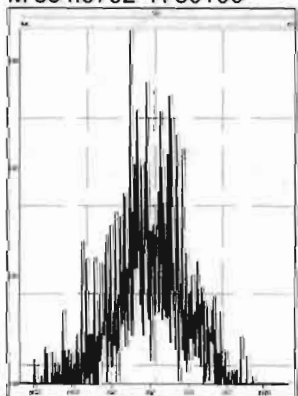
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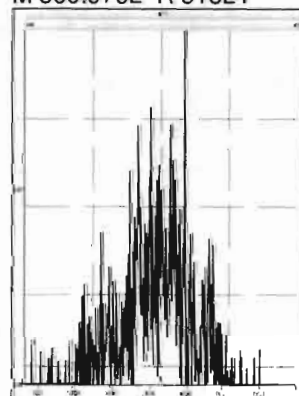
M 342.9792 R 11157



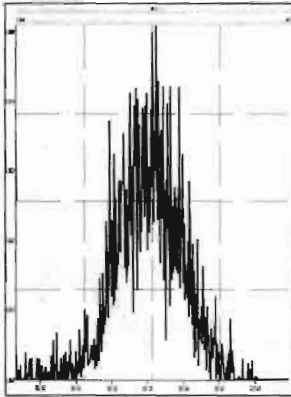
M 354.9792 R 30100



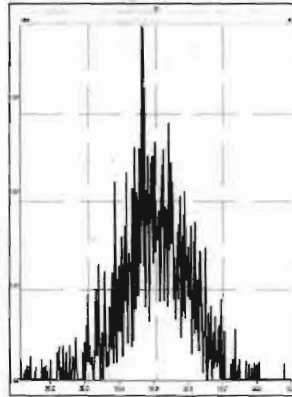
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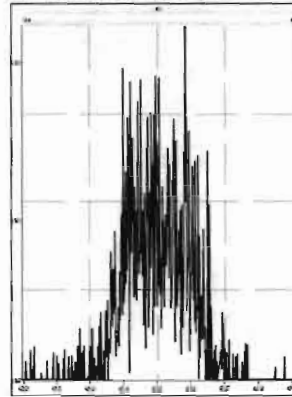
M 380.9760 R 11162



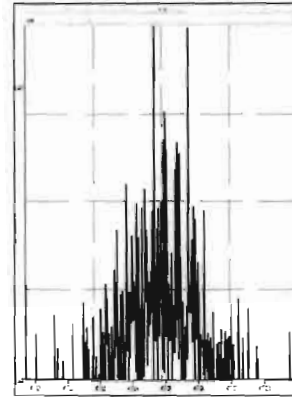
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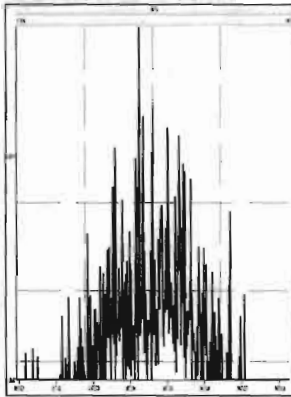
M 404.9760 R 15060



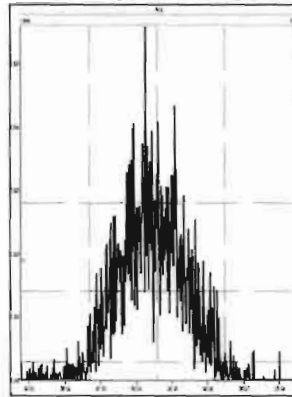
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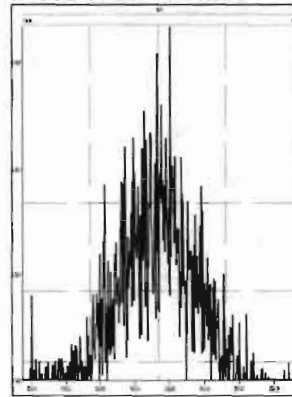
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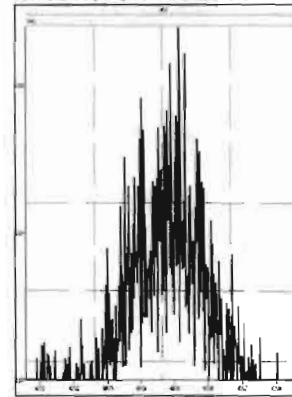
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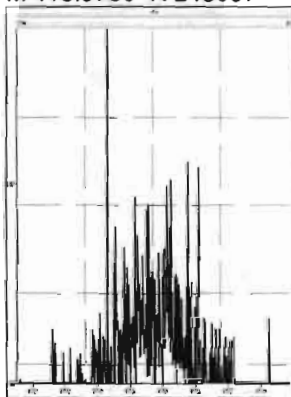
M 392.9760 R 14260



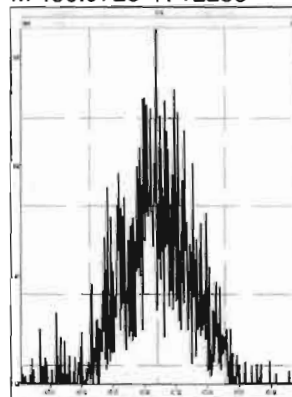
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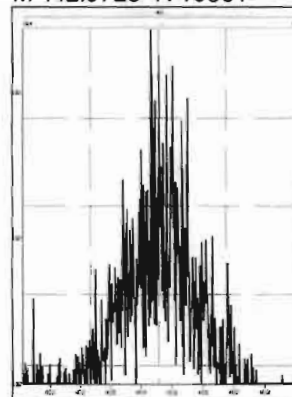
M 416.9760 R 245097



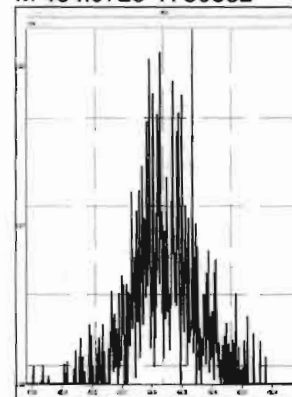
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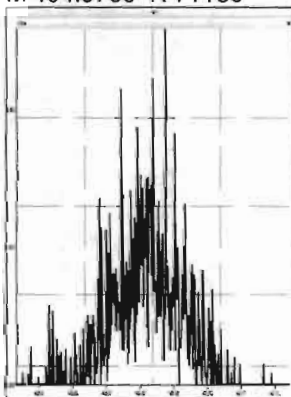
M 442.9728 R 19561



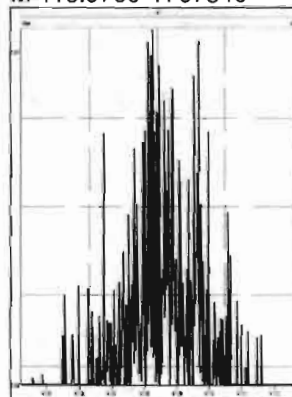
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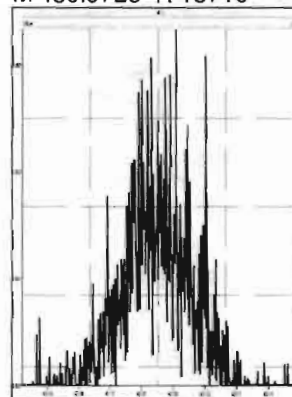
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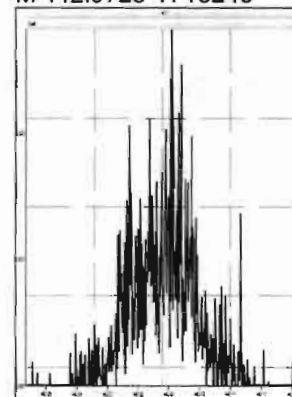
M 416.9760 R 97840



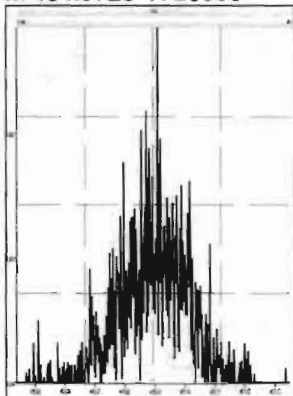
M 430.9728 R 13710



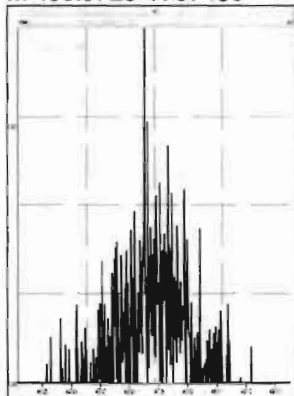
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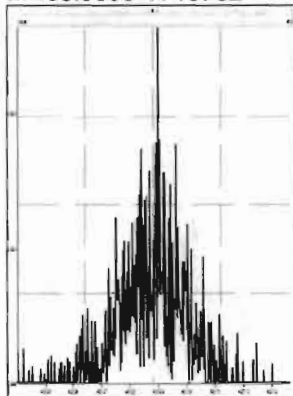
M 454.9728 R 20599



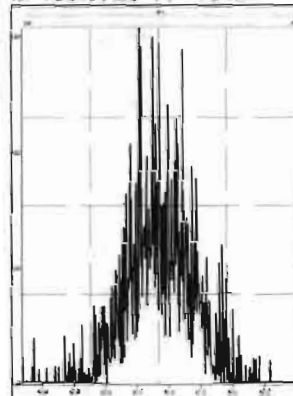
M 466.9728 R 97450



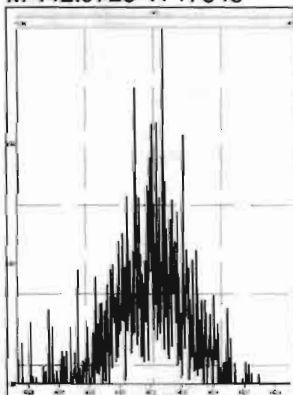
M 480.9696 R 19752



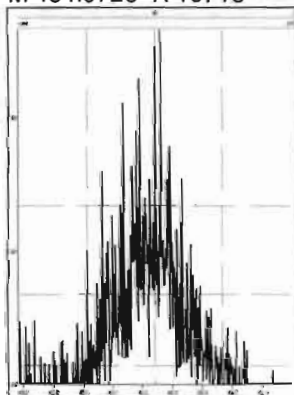
M 430.9728 R 14643



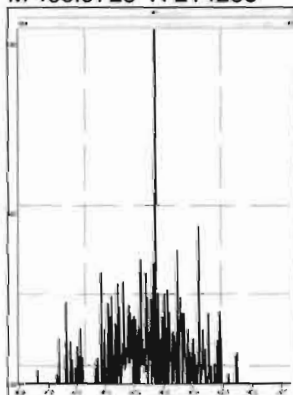
M 442.9728 R 17543



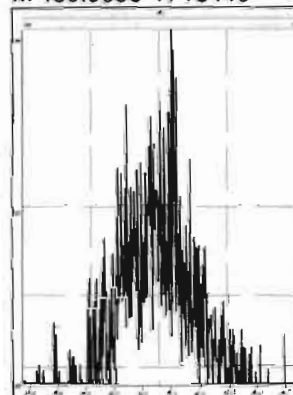
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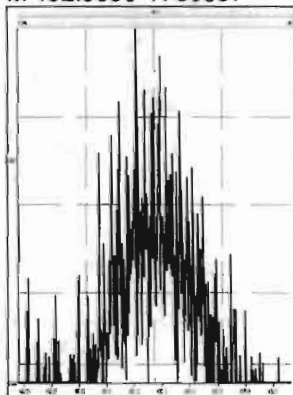
M 466.9728 R 214285



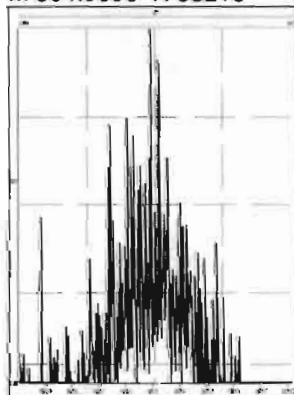
M 480.9696 R 18440



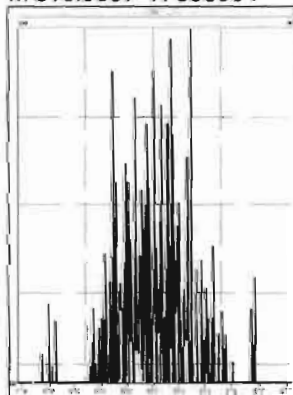
M 492.9696 R 30607



M 504.9696 R 53215



M 516.9697 R 386904



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 12:02:16 Pacific Daylight Time

DB 5/27/20 0705/27/20

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	9.61e3	0.82	NO	0.986	1.000	26.189	26.17	1.001	1.001	10.643	106	0.0639	10.6
2	2 1,2,3,7,8-PeCDD	2.86e4	0.63	NO	0.964	1.000	30.630	30.63	1.001	1.001	46.774	93.5	0.0940	46.8
3	3 1,2,3,4,7,8-HxCDD	2.93e4	1.27	NO	1.16	1.000	33.938	33.95	1.000	1.001	46.907	93.8	0.177	46.9
4	4 1,2,3,6,7,8-HxCDD	3.12e4	1.29	NO	1.01	1.000	34.038	34.05	1.000	1.000	49.882	99.8	0.194	49.9
5	5 1,2,3,7,8,9-HxCDD	2.94e4	1.25	NO	1.01	1.000	34.368	34.34	1.001	1.000	47.481	95.0	0.207	47.5
6	6 1,2,3,4,6,7,8-HpCDD	2.32e4	1.06	NO	0.997	1.000	37.791	37.78	1.000	1.000	46.984	94.0	0.298	47.0
7	7 OCDD	4.45e4	0.88	NO	1.01	1.000	41.082	41.08	1.000	1.000	95.100	95.1	0.381	95.1
8	8 2,3,7,8-TCDF	1.21e4	0.75	NO	0.833	1.000	25.403	25.41	1.001	1.001	9.4425	94.4	0.0512	9.44
9	9 1,2,3,7,8-PeCDF	5.31e4	1.67	NO	0.965	1.000	29.462	29.46	1.001	1.001	47.411	94.8	0.119	47.4
10	10 2,3,4,7,8-PeCDF	6.02e4	1.60	NO	1.01	1.000	30.357	30.35	1.001	1.001	53.391	107	0.105	53.4
11	11 1,2,3,4,7,8-HxCDF	4.61e4	1.28	NO	1.09	1.000	33.039	33.05	1.000	1.000	48.113	96.2	0.186	48.1
12	12 1,2,3,6,7,8-HxCDF	4.75e4	1.28	NO	1.07	1.000	33.170	33.17	1.000	1.000	48.294	96.6	0.193	48.3
13	13 2,3,4,6,7,8-HxCDF	4.36e4	1.28	NO	1.15	1.000	33.786	33.77	1.001	1.001	46.073	92.1	0.194	46.1
14	14 1,2,3,7,8,9-HxCDF	3.60e4	1.30	NO	1.11	1.000	34.718	34.73	1.000	1.000	44.678	89.4	0.276	44.7
15	15 1,2,3,4,6,7,8-HpCDF	3.55e4	1.00	NO	1.16	1.000	36.620	36.59	1.001	1.000	47.071	94.1	0.321	47.1
16	16 1,2,3,4,7,8,9-HpCDF	3.10e4	1.02	NO	1.35	1.000	38.317	38.33	1.000	1.000	47.041	94.1	0.283	47.0
17	17 OCDF	5.28e4	0.90	NO	0.949	1.000	41.302	41.31	1.000	1.000	91.295	91.3	0.222	91.3
18	18 13C-2,3,7,8-TCDD	9.16e4	0.79	NO	1.26	1.000	26.273	26.16	1.026	1.021	101.93	102	0.287	
19	19 13C-1,2,3,7,8-PeCDD	6.34e4	0.61	NO	0.921	1.000	30.780	30.61	1.202	1.195	96.456	96.5	0.220	
20	20 13C-1,2,3,4,7,8-HxCDD	5.37e4	1.34	NO	0.707	1.000	33.913	33.93	1.014	1.014	94.462	94.5	0.355	
21	21 13C-1,2,3,6,7,8-HxCDD	6.21e4	1.38	NO	0.829	1.000	34.024	34.04	1.017	1.018	93.242	93.2	0.303	
22	22 13C-1,2,3,7,8,9-HxCDD	6.15e4	1.37	NO	0.808	1.000	34.295	34.33	1.025	1.027	94.700	94.7	0.311	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.96e4	1.02	NO	0.662	1.000	37.759	37.78	1.129	1.130	93.362	93.4	0.705	
24	24 13C-OCDD	9.24e4	0.88	NO	0.608	1.000	40.783	41.08	1.219	1.228	189.02	94.5	0.479	
25	25 13C-2,3,7,8-TCDF	1.53e5	0.78	NO	1.07	1.000	25.351	25.38	0.990	0.991	99.831	99.8	0.293	
26	26 13C-1,2,3,7,8-PeCDF	1.16e5	1.61	NO	0.826	1.000	29.594	29.44	1.156	1.150	97.891	97.9	0.264	
27	27 13C-2,3,4,7,8-PeCDF	1.12e5	1.74	NO	0.796	1.000	30.498	30.33	1.191	1.184	97.581	97.6	0.274	
28	28 13C-1,2,3,4,7,8-HxCDF	8.75e4	0.51	NO	1.08	1.000	33.044	33.04	0.988	0.988	101.31	101	0.458	
29	29 13C-1,2,3,6,7,8-HxCDF	9.23e4	0.49	NO	1.12	1.000	33.177	33.16	0.992	0.991	102.16	102	0.438	
30	30 13C-2,3,4,6,7,8-HxCDF	8.19e4	0.49	NO	1.02	1.000	33.749	33.75	1.009	1.009	99.493	99.5	0.480	
31	31 13C-1,2,3,7,8,9-HxCDF	7.22e4	0.51	NO	0.887	1.000	34.649	34.72	1.036	1.038	101.40	101	0.555	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 12:02:16 Pacific Daylight Time

Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.52e4	0.44	NO	0.811	1.000	36.355	36.58	1.087	1.094	100.14	100	0.525	
33	13C-1,2,3,4,7,8,9-HpCDF	4.88e4	0.43	NO	0.598	1.000	38.361	38.32	1.147	1.146	101.56	102	0.711	
34	13C-OCDF	1.22e5	0.88	NO	0.752	1.000	40.937	41.30	1.224	1.235	201.85	101	0.313	
35	37Cl-2,3,7,8-TCDD	9.10e3			1.24	1.000	26.270	26.17	1.026	1.022	10.258	103	0.0590	
36	13C-1,2,3,4-TCDD	7.13e4	0.84	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.361	
37	13C-1,2,3,4-TCDF	1.44e5	0.81	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.313	
38	13C-1,2,3,4,6,9-HxCDF	8.03e4	0.50	NO	1.00	1.000	33.530	33.44	1.000	1.000	100.00	100	0.492	

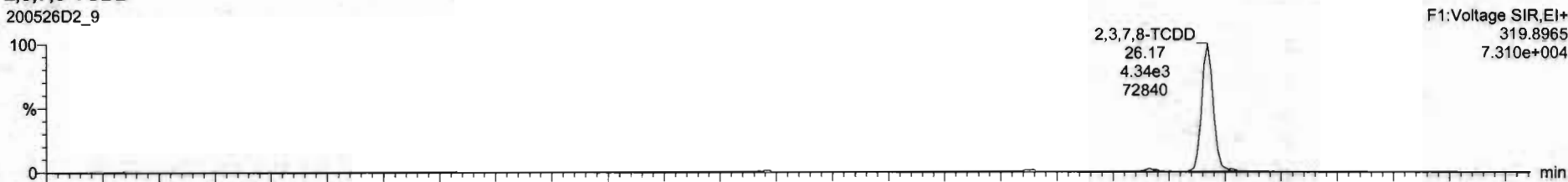
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Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time

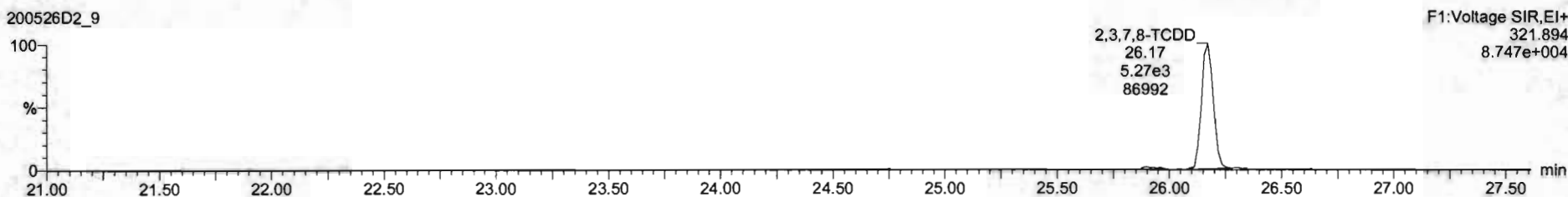
Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24
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Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

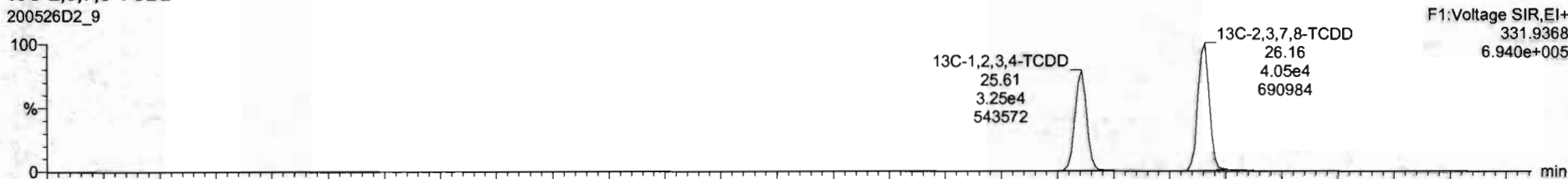
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200526D2_9



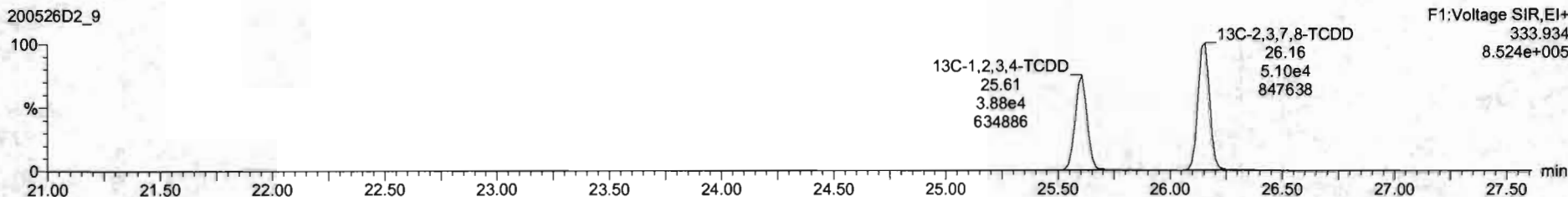
200526D2_9



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200526D2_9



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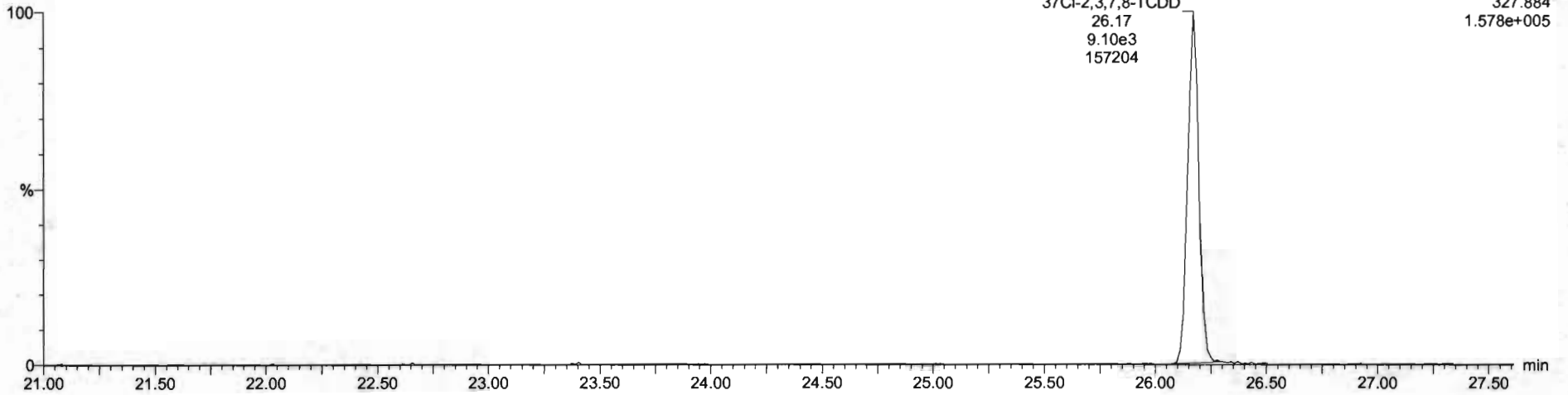
Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time

Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

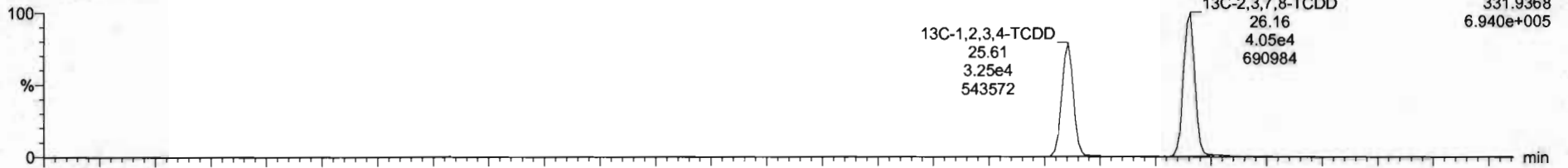
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200526D2_9

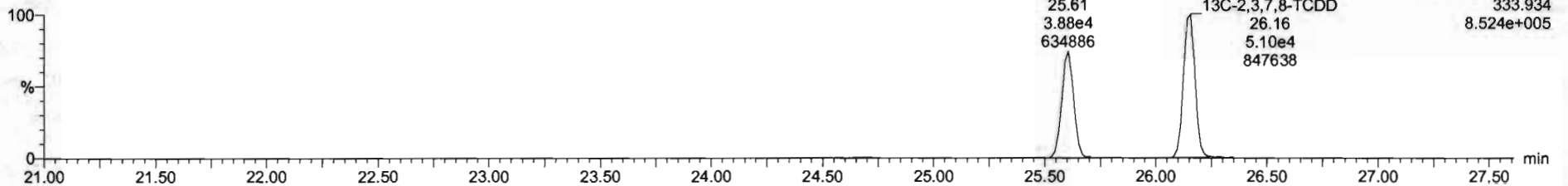


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200526D2_9



200526D2_9



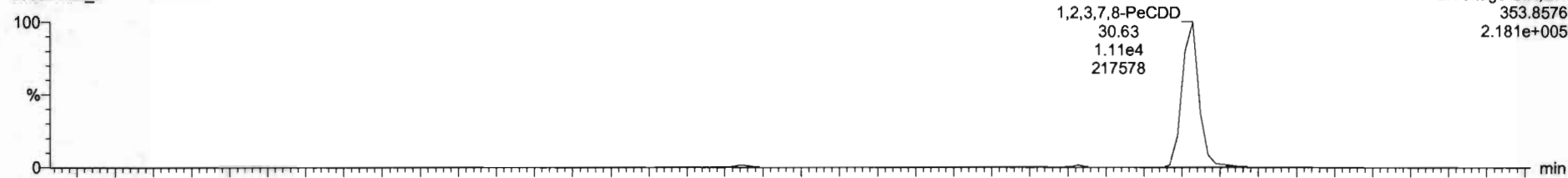
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Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time

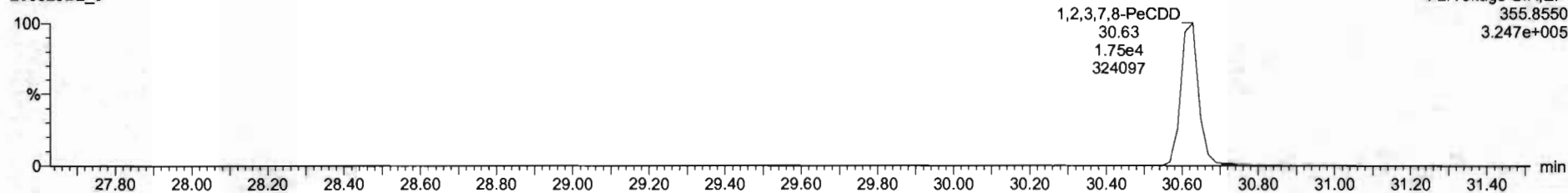
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1,2,3,7,8-PeCDD

200526D2_9

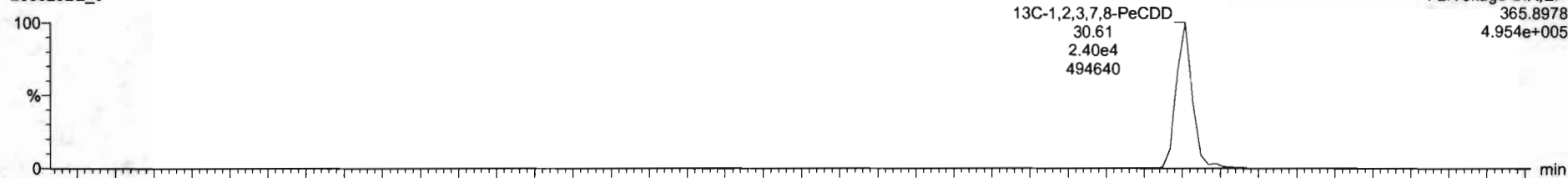


200526D2_9

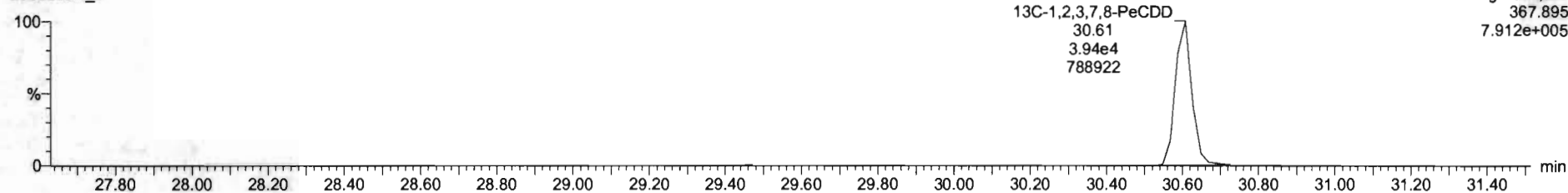


13C-1,2,3,7,8-PeCDD

200526D2_9



200526D2_9



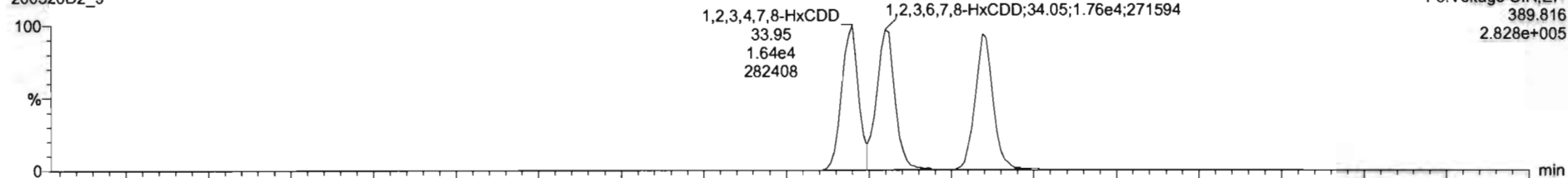
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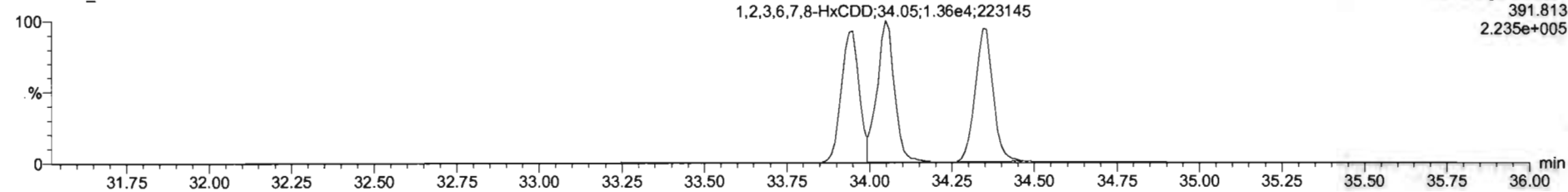
1,2,3,4,7,8-HxCDD

200526D2_9



F3: Voltage SIR, EI+
389.816
2.828e+005

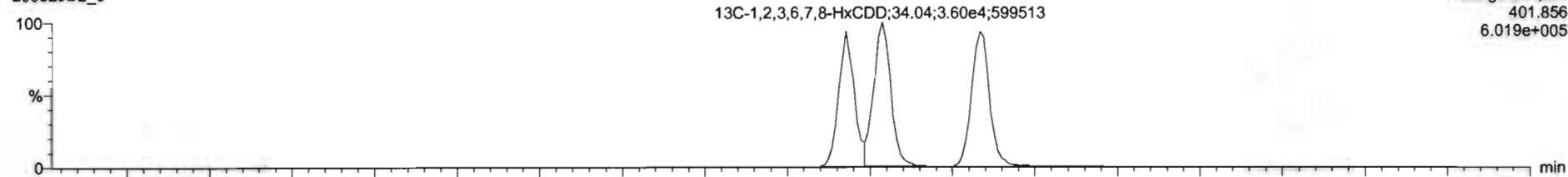
200526D2_9



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391.813
2.235e+005

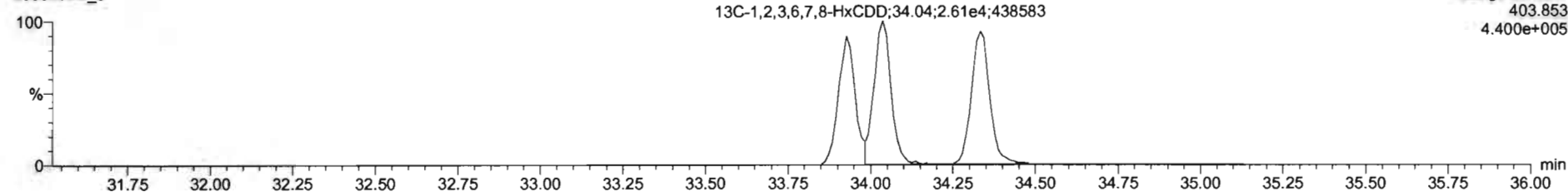
13C-1,2,3,4,7,8-HxCDD

200526D2_9



F3: Voltage SIR, EI+
401.856
6.019e+005

200526D2_9



F3: Voltage SIR, EI+
403.853
4.400e+005

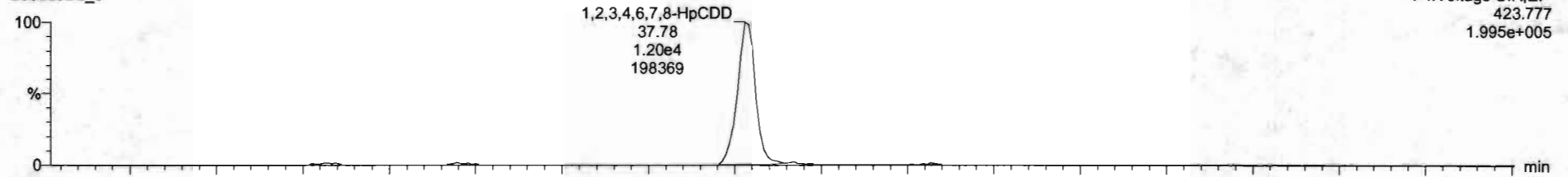
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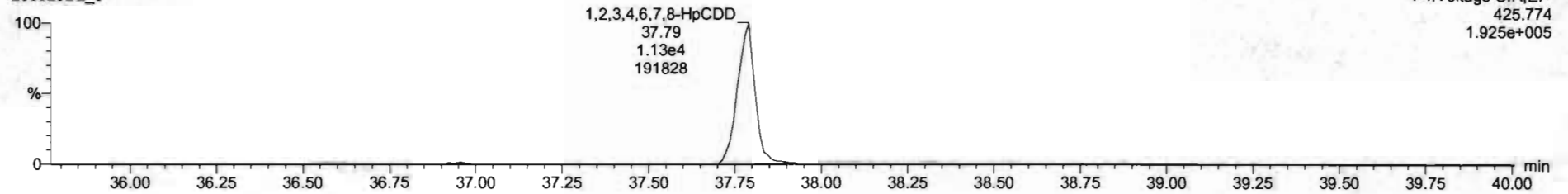
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1,2,3,4,6,7,8-HpCDD

200526D2_9

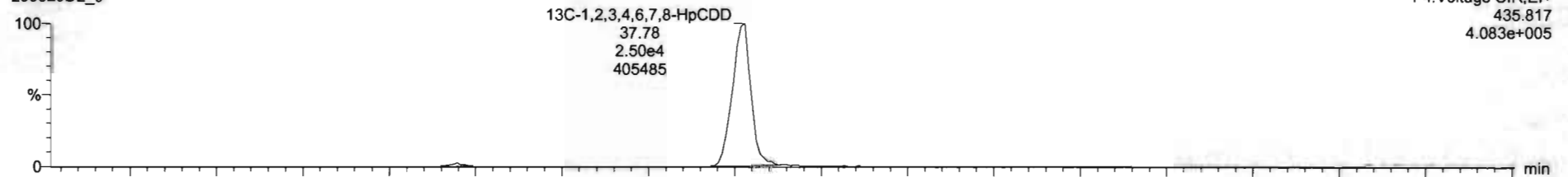


200526D2_9

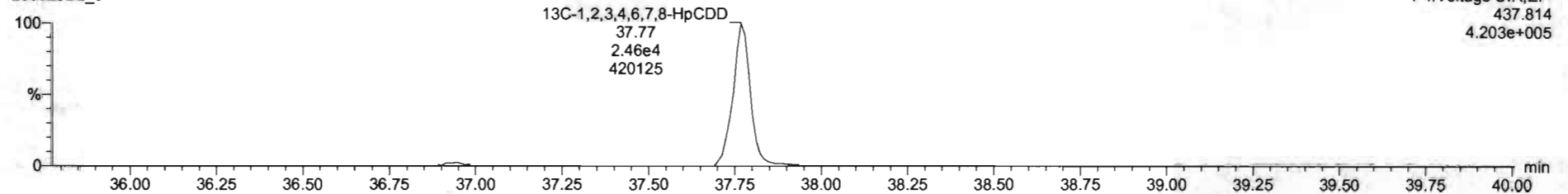


13C-1,2,3,4,6,7,8-HpCDD

200526D2_9



200526D2_9



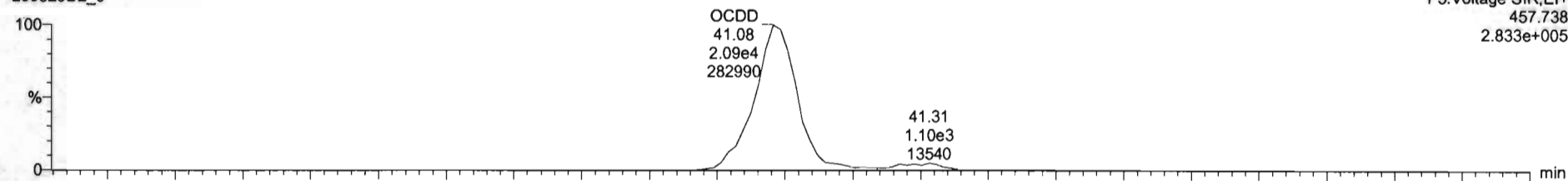
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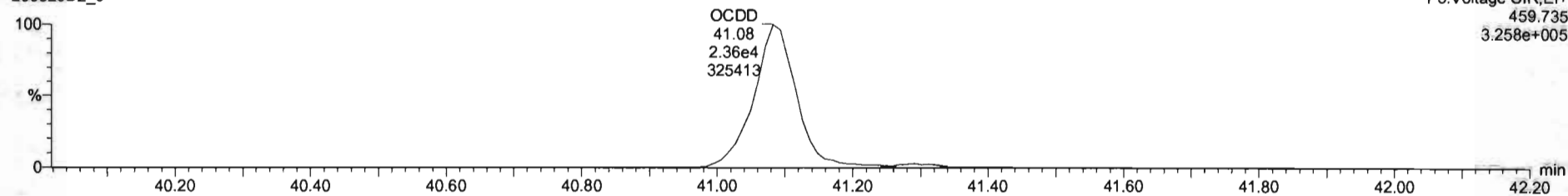
OCDD

200526D2_9



F5:Voltage SIR,EI+
457.738
2.833e+005

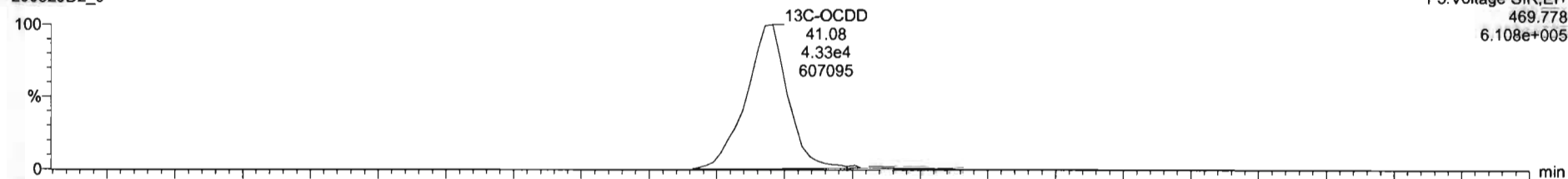
200526D2_9



F5:Voltage SIR,EI+
459.735
3.258e+005

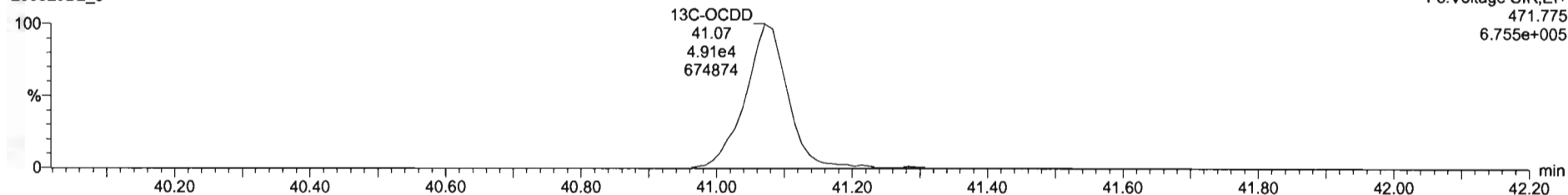
13C-OCDD

200526D2_9



F5:Voltage SIR,EI+
469.778
6.108e+005

200526D2_9



F5:Voltage SIR,EI+
471.775
6.755e+005

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

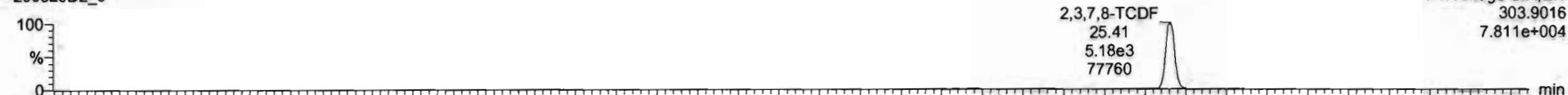
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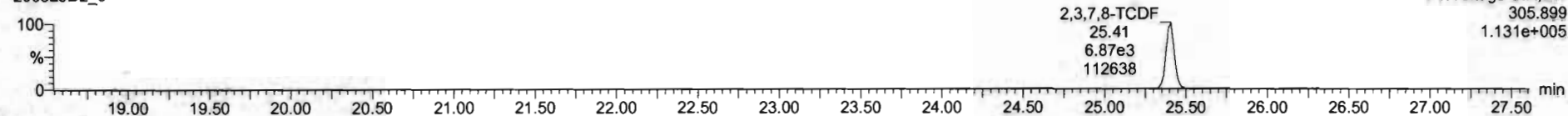
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2,3,7,8-TCDF

200526D2_9

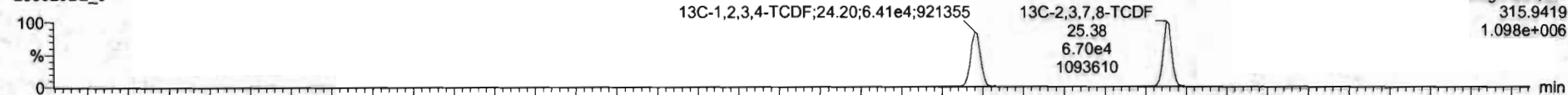


200526D2_9

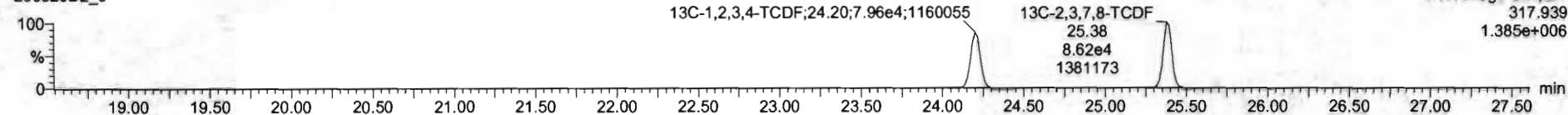


13C-2,3,7,8-TCDF

200526D2_9

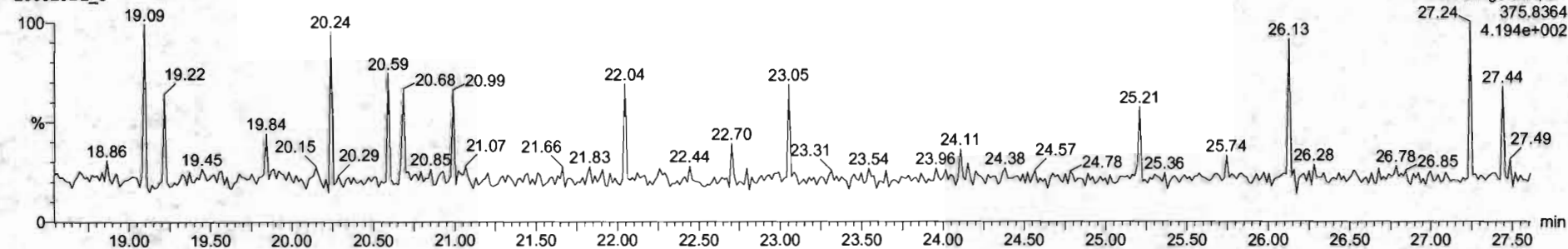


200526D2_9



DPE1

200526D2_9



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

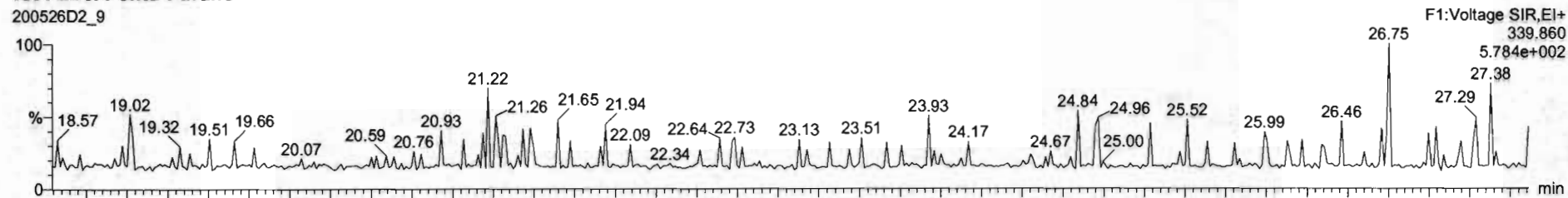
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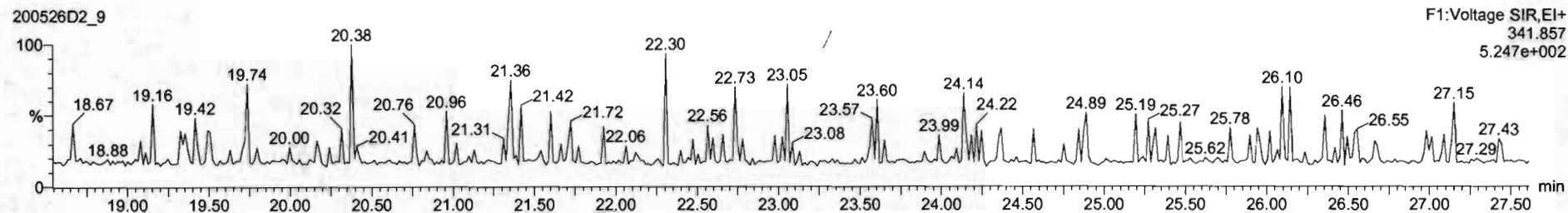
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200526D2_9

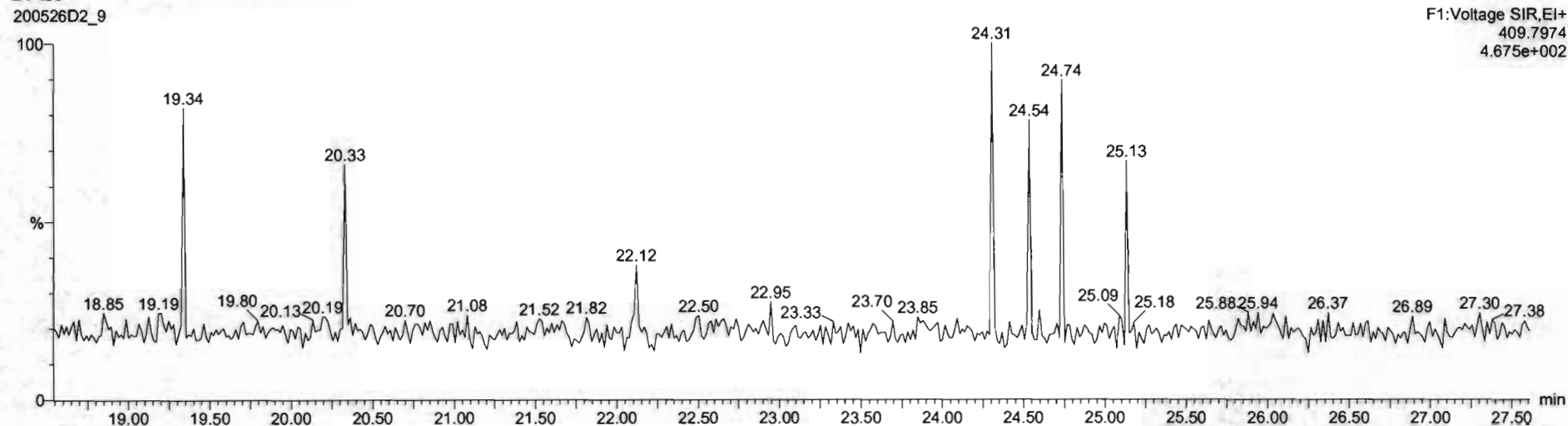


200526D2_9



DPE6

200526D2_9



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

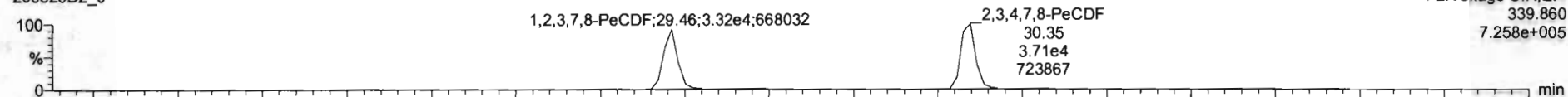
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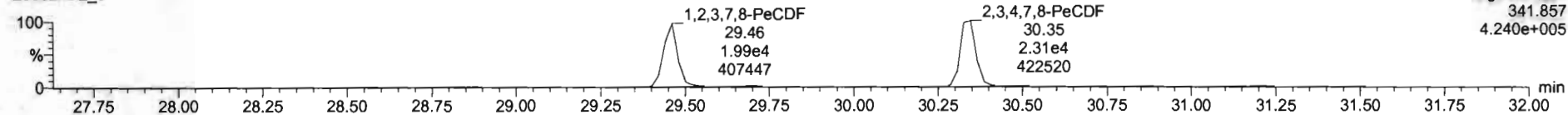
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1,2,3,7,8-PeCDF

200526D2_9

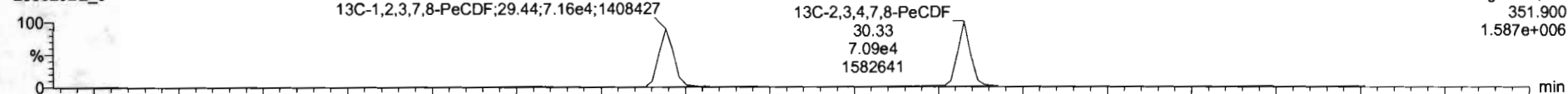


200526D2_9

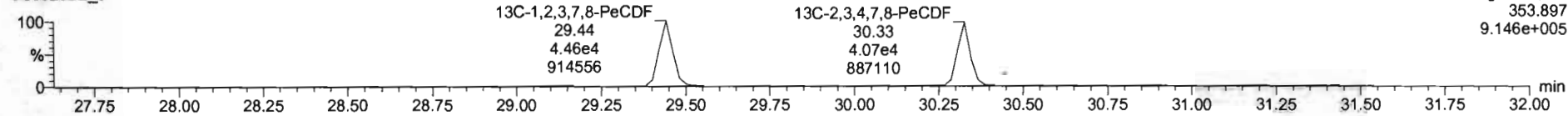


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200526D2_9

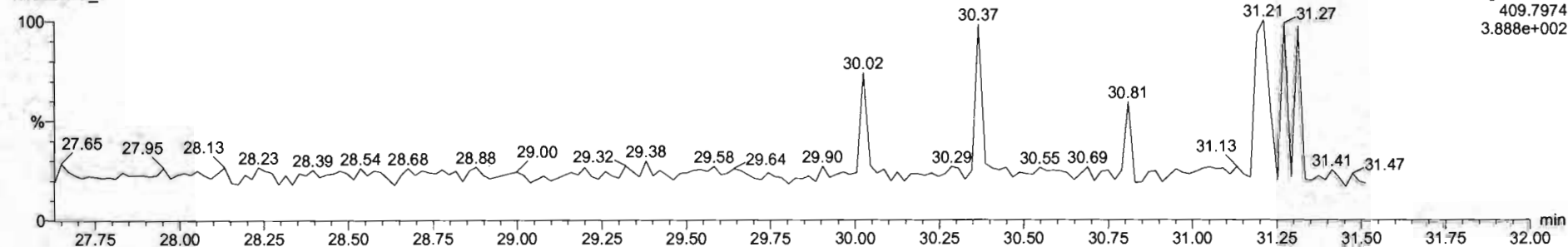


200526D2_9



DPE2

200526D2_9

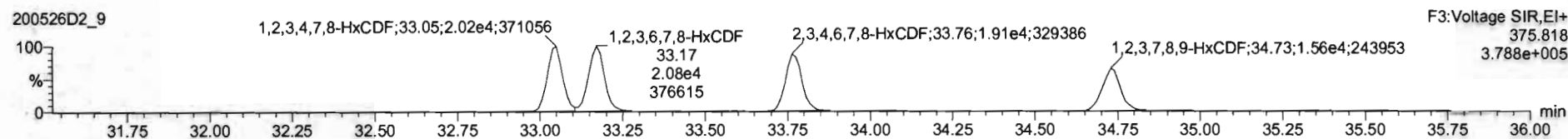
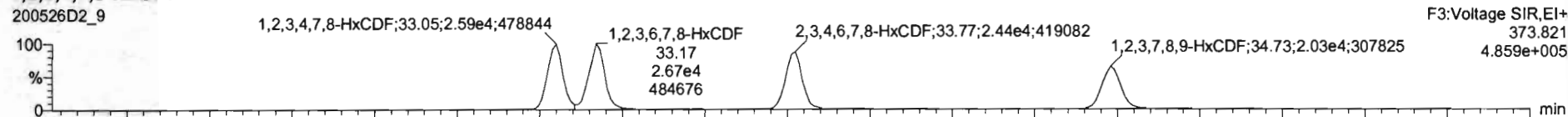


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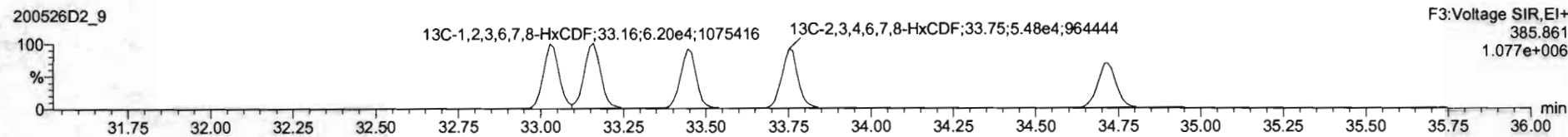
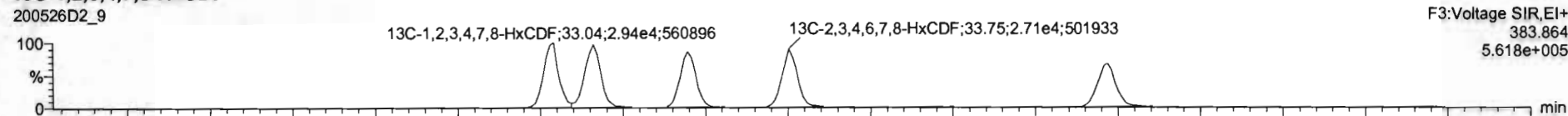
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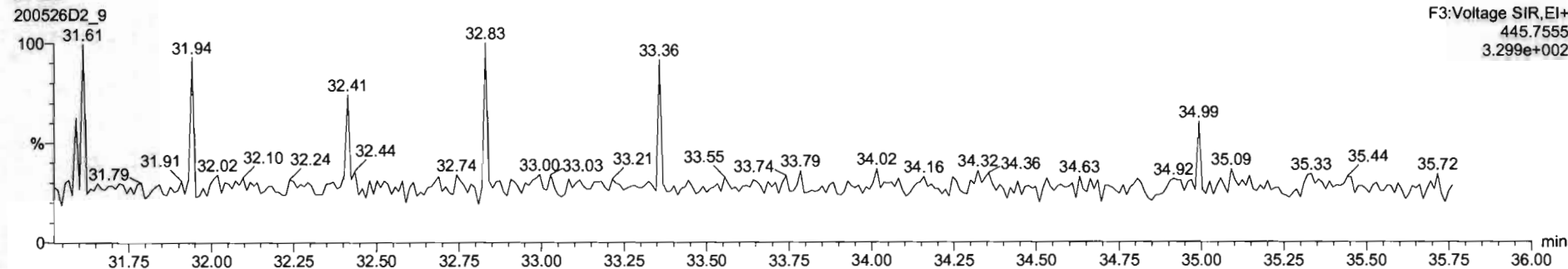
1,2,3,4,7,8-HxCDF



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



DPE3



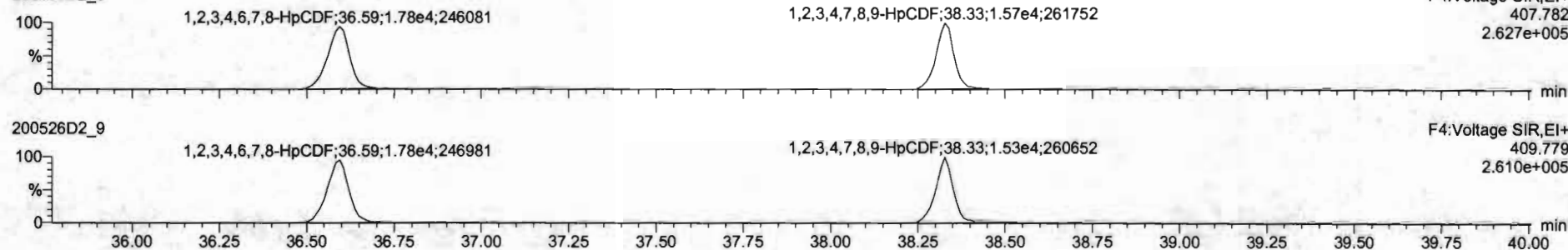
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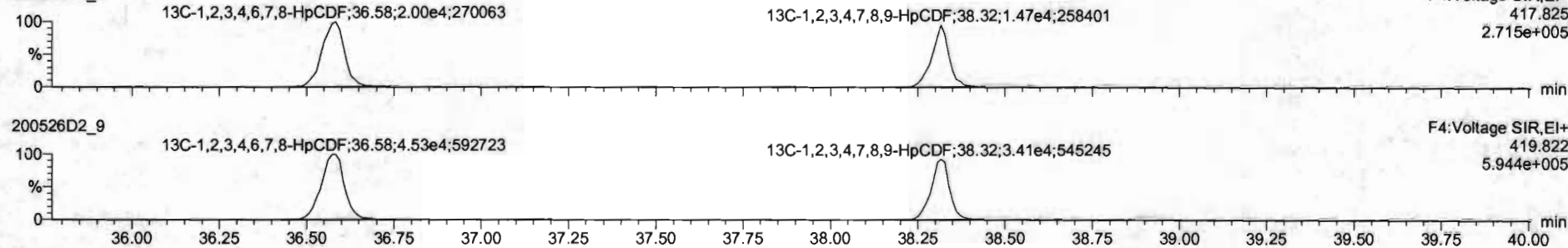
1,2,3,4,6,7,8-HpCDF

200526D2_9



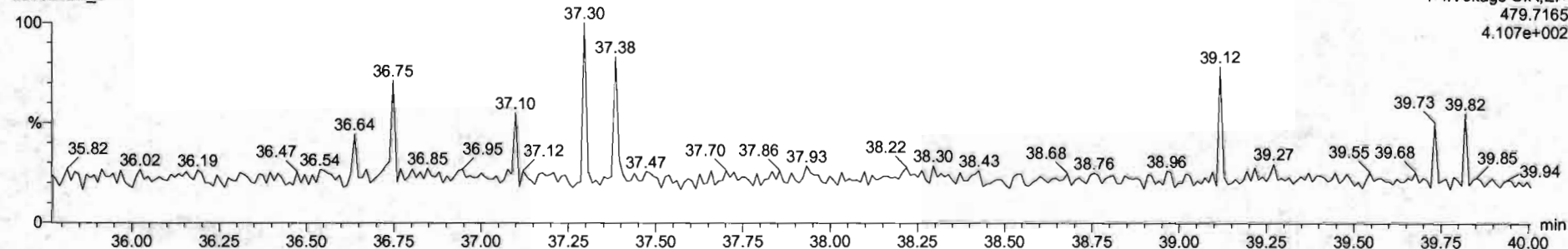
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200526D2_9



DPE4

200526D2_9



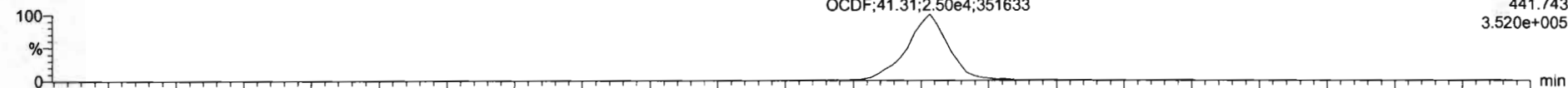
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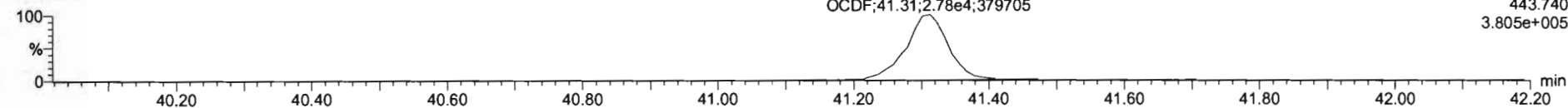
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OCDF

200526D2_9

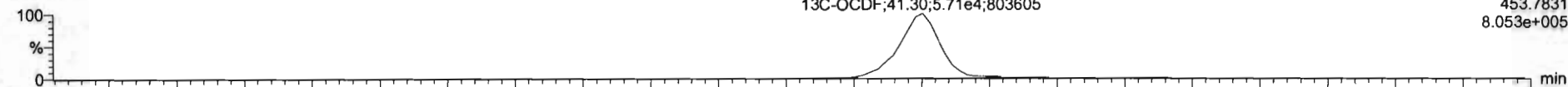


200526D2_9

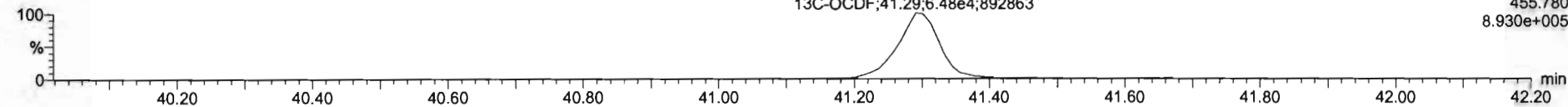


13C-OCDF

200526D2_9

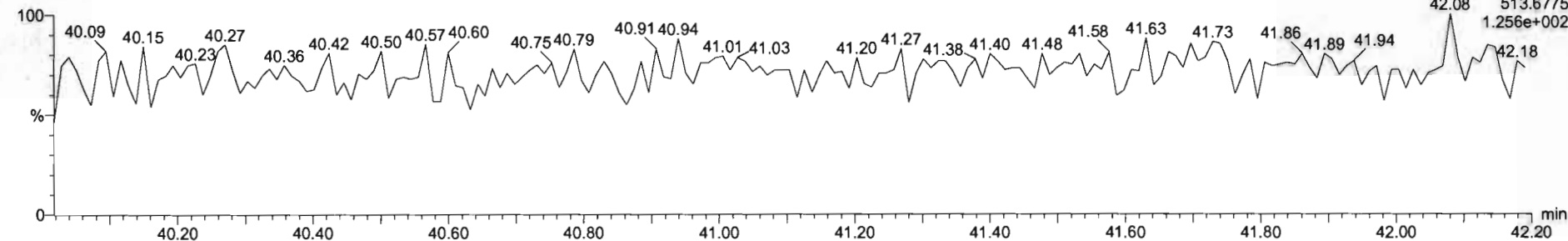


200526D2_9



DPE5

200526D2_9



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