



April 15, 2020

Vista Work Order No. 2000787

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 April 07, 2020 under your Project Name 'Gasco PDI 000029-02.59'.

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. 2000787

Case Narrative

Sample Condition on Receipt:

Seven 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. A relinquishing signature was not included on the Chain-of-Custody (CoC). Samples "PDI-064SC-A-05-06-190929" and "PDI-064SC-A-07-08-190929" were received in broken containers. The samples did not appear to be compromised. The contents of each container were transferred to clean amber glass containers.

Analytical Notes:

EPA Method 1613B

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

Holding Times

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

Quality Control

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

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

As requested, a duplicate was performed on sample "PDI-064SC-A-04-05-190929". The RPDs were out of the acceptance criteria for 1,2,3,7,8-PeCDF, 2,3,4,6,7,8-HxCDF and 1,2,3,4,6,7,8-HpCDF.

A dilution was run for sample "PDI-064SC-A-05-06-190929" due to matrix interferences affecting the internal standard responses.

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

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2000787-02	PDI-064SC-A-05-06-190929	EPA Method 1613B	13C-1,2,3,6,7,8-HxCDD	H	26.8
2000787-02	PDI-064SC-A-05-06-190929	EPA Method 1613B	13C-1,2,3,7,8,9-HxCDD	H	25.5

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2000787-01	PDI-064SC-A-04-05-190929	DUP29-Sep-19 08:18	07-Apr-20 09:10	Amber Glass, 120 mL
2000787-02	PDI-064SC-A-05-06-190929	29-Sep-19 08:18	07-Apr-20 09:10	Amber Glass, 120 mL
2000787-03	PDI-064SC-A-06-07-190929	29-Sep-19 08:18	07-Apr-20 09:10	Amber Glass, 120 mL
2000787-04	PDI-064SC-A-07-08-190929	29-Sep-19 08:18	07-Apr-20 09:10	Amber Glass, 120 mL
2000787-05	PDI-064SC-A-08-09-190929	29-Sep-19 08:18	07-Apr-20 09:10	Amber Glass, 120 mL
2000787-06	PDI-064SC-A-09-10-190929	29-Sep-19 08:18	07-Apr-20 09:10	Amber Glass, 120 mL
2000787-07	PDI-064SC-A-10-11-190929	29-Sep-19 08:18	07-Apr-20 09:10	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36		Lab Sample: B0D0081-BLK1 Date Analyzed: 10-Apr-20 13:26 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0585			IS 13C-2,3,7,8-TCDD	87.2	25 - 164		
1,2,3,7,8-PeCDD	ND	0.0626			13C-1,2,3,7,8-PeCDD	92.7	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.0754			13C-1,2,3,4,7,8-HxCDD	94.0	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.0792			13C-1,2,3,6,7,8-HxCDD	94.2	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.0895			13C-1,2,3,7,8,9-HxCDD	95.3	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.0874			13C-1,2,3,4,6,7,8-HpCDD	114	23 - 140		
OCDD	0.462			J	13C-OCDD	103	17 - 157		
2,3,7,8-TCDF	ND	0.0397			13C-2,3,7,8-TCDF	80.4	24 - 169		
1,2,3,7,8-PeCDF	ND	0.0454			13C-1,2,3,7,8-PeCDF	86.2	24 - 185		
2,3,4,7,8-PeCDF	ND	0.0430			13C-2,3,4,7,8-PeCDF	87.9	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0356			13C-1,2,3,4,7,8-HxCDF	89.5	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0348			13C-1,2,3,6,7,8-HxCDF	91.7	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0354			13C-2,3,4,6,7,8-HxCDF	89.6	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.0569			13C-1,2,3,7,8,9-HxCDF	91.7	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0421			13C-1,2,3,4,6,7,8-HpCDF	90.3	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0554			13C-1,2,3,4,7,8,9-HpCDF	98.8	26 - 138		
OCDF	0.144			J	13C-OCDF	98.0	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	88.1	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.000182		
TOTALS									
Total TCDD	ND	0.0585							
Total PeCDD	ND	0.0626							
Total HxCDD	ND	0.0895							
Total HpCDD	ND	0.0874							
Total TCDF	ND		0.0310						
Total PeCDF	ND	0.0454							
Total HxCDF	ND	0.0569							
Total HpCDF	ND	0.0554							

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: B0D0081 Date Extracted: 07-Apr-2020 13:36		Lab Sample: B0D0081-BS1 Date Analyzed: 10-Apr-20 11:04 Column: ZB-5MS			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	17.7	20.0	88.3	67 - 158	IS 13C-2,3,7,8-TCDD	89.4	20 - 175
1,2,3,7,8-PeCDD	93.3	100	93.3	70 - 142	13C-1,2,3,7,8-PeCDD	93.1	21 - 227
1,2,3,4,7,8-HxCDD	95.4	100	95.4	70 - 164	13C-1,2,3,4,7,8-HxCDD	87.6	21 - 193
1,2,3,6,7,8-HxCDD	89.5	100	89.5	76 - 134	13C-1,2,3,6,7,8-HxCDD	94.9	25 - 163
1,2,3,7,8,9-HxCDD	93.1	100	93.1	64 - 162	13C-1,2,3,7,8,9-HxCDD	89.9	21 - 193
1,2,3,4,6,7,8-HpCDD	86.7	100	86.7	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	107	26 - 166
OCDD	174	200	86.9	78 - 144	13C-OCDD	93.5	13 - 199
2,3,7,8-TCDF	16.6	20.0	82.8	75 - 158	13C-2,3,7,8-TCDF	83.5	22 - 152
1,2,3,7,8-PeCDF	91.0	100	91.0	80 - 134	13C-1,2,3,7,8-PeCDF	87.1	21 - 192
2,3,4,7,8-PeCDF	90.8	100	90.8	68 - 160	13C-2,3,4,7,8-PeCDF	89.3	13 - 328
1,2,3,4,7,8-HxCDF	89.0	100	89.0	72 - 134	13C-1,2,3,4,7,8-HxCDF	86.1	19 - 202
1,2,3,6,7,8-HxCDF	89.0	100	89.0	84 - 130	13C-1,2,3,6,7,8-HxCDF	92.8	21 - 159
2,3,4,6,7,8-HxCDF	87.8	100	87.8	70 - 156	13C-2,3,4,6,7,8-HxCDF	86.8	22 - 176
1,2,3,7,8,9-HxCDF	85.3	100	85.3	78 - 130	13C-1,2,3,7,8,9-HxCDF	87.4	17 - 205
1,2,3,4,6,7,8-HpCDF	85.8	100	85.8	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	84.2	21 - 158
1,2,3,4,7,8,9-HpCDF	89.1	100	89.1	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	96.2	20 - 186
OCDF	173	200	86.4	63 - 170	13C-OCDF	89.6	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	87.6	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-064SC-A-04-05-190929 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000787-01 Date Received: 07-Apr-2020 9:10
Project: Gasco PDI 000029-02.59	Sample Size: 17.7 g	QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36
Date Collected: 29-Sep-2019 8:18	% Solids: 56.4	Date Analyzed : 11-Apr-20 01:31 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0495		IS 13C-2,3,7,8-TCDD	89.6	25 - 164	
1,2,3,7,8-PeCDD	0.0561			J	13C-1,2,3,7,8-PeCDD	89.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0559			13C-1,2,3,4,7,8-HxCDD	81.1	32 - 141	
1,2,3,6,7,8-HxCDD	0.0976			J	13C-1,2,3,6,7,8-HxCDD	84.7	28 - 130	
1,2,3,7,8,9-HxCDD	0.151			J	13C-1,2,3,7,8,9-HxCDD	82.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.744			J	13C-1,2,3,4,6,7,8-HpCDD	88.7	23 - 140	
OCDD	4.85			J, B	13C-OCDD	72.9	17 - 157	
2,3,7,8-TCDF	ND		0.0597		13C-2,3,7,8-TCDF	82.3	24 - 169	
1,2,3,7,8-PeCDF	0.0654			J	13C-1,2,3,7,8-PeCDF	88.5	24 - 185	
2,3,4,7,8-PeCDF	0.0834			J	13C-2,3,4,7,8-PeCDF	87.4	21 - 178	
1,2,3,4,7,8-HxCDF	0.102			J	13C-1,2,3,4,7,8-HxCDF	79.3	26 - 152	
1,2,3,6,7,8-HxCDF	0.0754			J	13C-1,2,3,6,7,8-HxCDF	81.9	26 - 123	
2,3,4,6,7,8-HxCDF	0.0674			J	13C-2,3,4,6,7,8-HxCDF	76.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0479			13C-1,2,3,7,8,9-HxCDF	79.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.438			J	13C-1,2,3,4,6,7,8-HpCDF	73.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.100			13C-1,2,3,4,7,8,9-HpCDF	78.1	26 - 138	
OCDF	0.565			J, B	13C-OCDF	65.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.4	35 - 197	

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

TEQMinWHO2005Dioxin 0.146

TOTALS		
Total TCDD	0.408	0.457
Total PeCDD	0.330	0.451
Total HxCDD	1.25	
Total HpCDD	1.69	
Total TCDF	1.52	1.70
Total PeCDF	0.599	0.723
Total HxCDF	0.567	
Total HpCDF	0.438	

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-064SC-A-04-05-190929		QC Batch: B0D0081		Lab Sample: B0D0081-DUP1					
Source LabNumber: 2000787-01		Date Extracted: 07-Apr-2020 13:36		Date Analyzed: 11-Apr-20 00:43 Column: ZB-5MS					
Matrix: Solid									
Sample Size: 17.8 g									
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND		0.0773		IS 13C-2,3,7,8-TCDD	89.1	25 - 164		
1,2,3,7,8-PeCDD	ND	0.0377			13C-1,2,3,7,8-PeCDD	92.0	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.0520			13C-1,2,3,4,7,8-HxCDD	85.1	32 - 141		
1,2,3,6,7,8-HxCDD	0.111			J	13C-1,2,3,6,7,8-HxCDD	85.3	28 - 130		
1,2,3,7,8,9-HxCDD	0.145			J	13C-1,2,3,7,8,9-HxCDD	88.1	32 - 141		
1,2,3,4,6,7,8-HpCDD	0.811			J	13C-1,2,3,4,6,7,8-HpCDD	91.8	23 - 140		
OCDD	5.47			B	13C-OCDD	77.3	17 - 157		
2,3,7,8-TCDF	0.170			J	13C-2,3,7,8-TCDF	83.7	24 - 169		
1,2,3,7,8-PeCDF	0.0900			J	13C-1,2,3,7,8-PeCDF	90.3	24 - 185		
2,3,4,7,8-PeCDF	0.0951			J	13C-2,3,4,7,8-PeCDF	88.9	21 - 178		
1,2,3,4,7,8-HxCDF	0.0973			J	13C-1,2,3,4,7,8-HxCDF	85.3	26 - 152		
1,2,3,6,7,8-HxCDF	0.0684			J	13C-1,2,3,6,7,8-HxCDF	85.8	26 - 123		
2,3,4,6,7,8-HxCDF	0.0872			J	13C-2,3,4,6,7,8-HxCDF	79.5	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.0469			13C-1,2,3,7,8,9-HxCDF	81.3	29 - 147		
1,2,3,4,6,7,8-HpCDF	0.276			J	13C-1,2,3,4,6,7,8-HpCDF	79.9	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0574			13C-1,2,3,4,7,8,9-HpCDF	78.9	26 - 138		
OCDF	ND		0.363		13C-OCDF	70.1	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	86.5	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.112		
TOTALS									
Total TCDD	1.09		1.52						
Total PeCDD	0.637		1.05						
Total HxCDD	1.78								
Total HpCDD	2.10								
Total TCDF	3.78								
Total PeCDF	1.25		1.40						
Total HxCDF	0.568								
Total HpCDF	0.276								

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-064SC-A-04-05-190929					Duplicate Lab Sample: B0D0081-DUP1				
Source LabNumber: 2000787-01									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	ND	ND	NA	25	IS 13C-2,3,7,8-TCDD	89.1	89.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0561	#	25	13C-1,2,3,7,8-PeCDD	92.0	89.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDD	85.1	81.1	32 - 141	
1,2,3,6,7,8-HxCDD	0.111	0.0976	12.8	25	13C-1,2,3,6,7,8-HxCDD	85.3	84.7	28 - 130	
1,2,3,7,8,9-HxCDD	0.145	0.151	3.80	25	13C-1,2,3,7,8,9-HxCDD	88.1	82.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.811	0.744	8.67	25	13C-1,2,3,4,6,7,8-HpCDD	91.8	88.7	23 - 140	
OCDD	5.47	4.85	12.0	25	13C-OCDD	77.3	72.9	17 - 157	
2,3,7,8-TCDF	0.170	ND	#	25	13C-2,3,7,8-TCDF	83.7	82.3	24 - 169	
1,2,3,7,8-PeCDF	0.0900	0.0654	31.7	25	13C-1,2,3,7,8-PeCDF	90.3	88.5	24 - 185	
2,3,4,7,8-PeCDF	0.0951	0.0834	13.1	25	13C-2,3,4,7,8-PeCDF	88.9	87.4	21 - 178	
1,2,3,4,7,8-HxCDF	0.0973	0.102	4.98	25	13C-1,2,3,4,7,8-HxCDF	85.3	79.3	26 - 152	
1,2,3,6,7,8-HxCDF	0.0684	0.0754	9.74	25	13C-1,2,3,6,7,8-HxCDF	85.8	81.9	26 - 123	
2,3,4,6,7,8-HxCDF	0.0872	0.0674	25.6	25	13C-2,3,4,6,7,8-HxCDF	79.5	76.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDF	81.3	79.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.276	0.438	45.2	25	13C-1,2,3,4,6,7,8-HpCDF	79.9	73.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	25	13C-1,2,3,4,7,8,9-HpCDF	78.9	78.1	26 - 138	
OCDF	ND	0.565	#	25	13C-OCDF	70.1	65.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	86.5	90.4	35 - 197	

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

Sample ID: PDI-064SC-A-05-06-190929 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000787-02 Date Received: 07-Apr-2020 9:10
Project: Gasco PDI 000029-02.59	Sample Size: 16.7 g	QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36
Date Collected: 29-Sep-2019 8:18	% Solids: 59.9	Date Analyzed : 14-Apr-20 22:49 Column: ZB-5MS 14-Apr-20 23:37 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0425			IS 13C-2,3,7,8-TCDD	83.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0536			13C-1,2,3,7,8-PeCDD	85.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.337			13C-1,2,3,4,7,8-HxCDD	51.0	32 - 141	D
1,2,3,6,7,8-HxCDD	ND	0.918		D	13C-1,2,3,6,7,8-HxCDD	26.8	28 - 130	D, H
1,2,3,7,8,9-HxCDD	ND	0.252		D	13C-1,2,3,7,8,9-HxCDD	25.5	32 - 141	H
1,2,3,4,6,7,8-HpCDD	0.815			J	13C-1,2,3,4,6,7,8-HpCDD	79.2	23 - 140	
OCDD	3.82			J, B	13C-OCDD	55.4	17 - 157	
2,3,7,8-TCDF	0.0946			J	13C-2,3,7,8-TCDF	79.1	24 - 169	
1,2,3,7,8-PeCDF	0.0990			J	13C-1,2,3,7,8-PeCDF	84.6	24 - 185	
2,3,4,7,8-PeCDF	0.106			J	13C-2,3,4,7,8-PeCDF	82.6	21 - 178	
1,2,3,4,7,8-HxCDF	0.137			J	13C-1,2,3,4,7,8-HxCDF	73.8	26 - 152	
1,2,3,6,7,8-HxCDF	0.123			J	13C-1,2,3,6,7,8-HxCDF	71.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.217		D	13C-2,3,4,6,7,8-HxCDF	64.5	28 - 136	D
1,2,3,7,8,9-HxCDF	ND	0.269		D	13C-1,2,3,7,8,9-HxCDF	78.7	29 - 147	D
1,2,3,4,6,7,8-HpCDF	0.525			J	13C-1,2,3,4,6,7,8-HpCDF	68.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0665			13C-1,2,3,4,7,8,9-HpCDF	69.6	26 - 138	
OCDF	0.650			J, B	13C-OCDF	49.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	79.6	35 - 197	

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

TEQMinWHO2005Dioxin 0.0850

TOTALS			
Total TCDD	0.694		
Total PeCDD	0.789		
Total HxCDD	5.04		
Total HpCDD	1.82		
Total TCDF	2.10	2.46	
Total PeCDF	1.37		
Total HxCDF	0.824		
Total HpCDF	0.525		

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-064SC-A-06-07-190929 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000787-03 Date Received: 07-Apr-2020 9:10
Project: Gasco PDI 000029-02.59	Sample Size: 18.1 g	QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36
Date Collected: 29-Sep-2019 8:18	% Solids: 55.5	Date Analyzed : 11-Apr-20 03:06 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0616		IS 13C-2,3,7,8-TCDD	90.4	25 - 164	
1,2,3,7,8-PeCDD	0.0822			J	13C-1,2,3,7,8-PeCDD	94.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0427			13C-1,2,3,4,7,8-HxCDD	92.1	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0425			13C-1,2,3,6,7,8-HxCDD	90.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0489			13C-1,2,3,7,8,9-HxCDD	92.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.722			J	13C-1,2,3,4,6,7,8-HpCDD	112	23 - 140	
OCDD	4.86			J, B	13C-OCDD	96.8	17 - 157	
2,3,7,8-TCDF	0.150			J	13C-2,3,7,8-TCDF	85.8	24 - 169	
1,2,3,7,8-PeCDF	0.0647			J	13C-1,2,3,7,8-PeCDF	92.3	24 - 185	
2,3,4,7,8-PeCDF	0.0827			J	13C-2,3,4,7,8-PeCDF	92.4	21 - 178	
1,2,3,4,7,8-HxCDF	0.0594			J	13C-1,2,3,4,7,8-HxCDF	89.1	26 - 152	
1,2,3,6,7,8-HxCDF	0.0647			J	13C-1,2,3,6,7,8-HxCDF	86.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.0405		13C-2,3,4,6,7,8-HxCDF	84.0	28 - 136	
1,2,3,7,8,9-HxCDF	0.0821			J	13C-1,2,3,7,8,9-HxCDF	87.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.150			J	13C-1,2,3,4,6,7,8-HpCDF	85.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0464			13C-1,2,3,4,7,8,9-HpCDF	92.0	26 - 138	
OCDF	ND		0.143		13C-OCDF	88.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	89.1	35 - 197	

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

TEQMinWHO2005Dioxin 0.155

TOTALS		
Total TCDD	0.988	1.05
Total PeCDD	0.542	0.920
Total HxCDD	1.25	
Total HpCDD	1.67	
Total TCDF	2.33	3.74
Total PeCDF	0.999	1.02
Total HxCDF	0.351	0.422
Total HpCDF	0.150	

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-064SC-A-07-08-190929 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000787-04 Date Received: 07-Apr-2020 9:10
Project: Gasco PDI 000029-02.59	Sample Size: 15.6 g	QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36
Date Collected: 29-Sep-2019 8:18	% Solids: 64.6	Date Analyzed: 11-Apr-20 03:54 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0423			IS 13C-2,3,7,8-TCDD	88.6	25 - 164	
1,2,3,7,8-PeCDD	0.0903			J	13C-1,2,3,7,8-PeCDD	95.8	25 - 181	
1,2,3,4,7,8-HxCDD	0.115			J	13C-1,2,3,4,7,8-HxCDD	93.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0425			13C-1,2,3,6,7,8-HxCDD	91.7	28 - 130	
1,2,3,7,8,9-HxCDD	0.166			J	13C-1,2,3,7,8,9-HxCDD	92.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.808			J	13C-1,2,3,4,6,7,8-HpCDD	105	23 - 140	
OCDD	5.74			B	13C-OCDD	97.2	17 - 157	
2,3,7,8-TCDF	0.138			J	13C-2,3,7,8-TCDF	82.4	24 - 169	
1,2,3,7,8-PeCDF	0.0923			J	13C-1,2,3,7,8-PeCDF	91.1	24 - 185	
2,3,4,7,8-PeCDF	0.0744			J	13C-2,3,4,7,8-PeCDF	91.3	21 - 178	
1,2,3,4,7,8-HxCDF	0.0833			J	13C-1,2,3,4,7,8-HxCDF	87.7	26 - 152	
1,2,3,6,7,8-HxCDF	0.0706			J	13C-1,2,3,6,7,8-HxCDF	87.0	26 - 123	
2,3,4,6,7,8-HxCDF	0.0661			J	13C-2,3,4,6,7,8-HxCDF	85.8	28 - 136	
1,2,3,7,8,9-HxCDF	0.101			J	13C-1,2,3,7,8,9-HxCDF	87.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.107		13C-1,2,3,4,6,7,8-HpCDF	84.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0442			13C-1,2,3,4,7,8,9-HpCDF	88.7	26 - 138	
OCDF	0.179			J, B	13C-OCDF	88.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	87.4	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.199

TOTALS	
Total TCDD	1.64
Total PeCDD	1.21
Total HxCDD	2.32
Total HpCDD	1.91
Total TCDF	2.01
Total PeCDF	0.242
Total HxCDF	0.395
Total HpCDF	ND

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-064SC-A-08-09-190929 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000787-05 Date Received: 07-Apr-2020 9:10
Project: Gasco PDI 000029-02.59	Sample Size: 16.3 g	QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36
Date Collected: 29-Sep-2019 8:18	% Solids: 61.7	Date Analyzed : 11-Apr-20 04:42 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0344			IS 13C-2,3,7,8-TCDD	94.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0402			13C-1,2,3,7,8-PeCDD	98.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0328			13C-1,2,3,4,7,8-HxCDD	95.7	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0326			13C-1,2,3,6,7,8-HxCDD	96.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0377			13C-1,2,3,7,8,9-HxCDD	97.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.333			J	13C-1,2,3,4,6,7,8-HpCDD	114	23 - 140	
OCDD	1.98			J, B	13C-OCDD	105	17 - 157	
2,3,7,8-TCDF	0.0616			J	13C-2,3,7,8-TCDF	87.4	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0253			13C-1,2,3,7,8-PeCDF	94.2	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0238			13C-2,3,4,7,8-PeCDF	94.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0208			13C-1,2,3,4,7,8-HxCDF	90.7	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0202			13C-1,2,3,6,7,8-HxCDF	91.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0219			13C-2,3,4,6,7,8-HxCDF	91.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0389		13C-1,2,3,7,8,9-HxCDF	92.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.0669			J	13C-1,2,3,4,6,7,8-HpCDF	89.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0408			13C-1,2,3,4,7,8,9-HpCDF	97.9	26 - 138	
OCDF	0.108			J, B	13C-OCDF	95.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.9	35 - 197	

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

TEQMinWHO2005Dioxin 0.0108

TOTALS				
Total TCDD	0.134			
Total PeCDD	ND	0.0369		
Total HxCDD	0.323			
Total HpCDD	0.710			
Total TCDF	0.176	0.317		
Total PeCDF	0.0340			
Total HxCDF	ND	0.0560		
Total HpCDF	0.0669			

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-064SC-A-09-10-190929 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000787-06 Date Received: 07-Apr-2020 9:10
Project: Gasco PDI 000029-02.59	Sample Size: 13.8 g	QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36
Date Collected: 29-Sep-2019 8:18	% Solids: 72.7	Date Analyzed : 11-Apr-20 05:30 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0405		IS 13C-2,3,7,8-TCDD	93.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0463			13C-1,2,3,7,8-PeCDD	96.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0308			13C-1,2,3,4,7,8-HxCDD	90.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0302			13C-1,2,3,6,7,8-HxCDD	92.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0356			13C-1,2,3,7,8,9-HxCDD	92.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.710			J	13C-1,2,3,4,6,7,8-HpCDD	108	23 - 140	
OCDD	7.25			B	13C-OCDD	101	17 - 157	
2,3,7,8-TCDF	ND	0.0177			13C-2,3,7,8-TCDF	87.4	24 - 169	
1,2,3,7,8-PeCDF	ND		0.0124		13C-1,2,3,7,8-PeCDF	89.6	24 - 185	
2,3,4,7,8-PeCDF	0.0185			J	13C-2,3,4,7,8-PeCDF	92.6	21 - 178	
1,2,3,4,7,8-HxCDF	ND		0.0350		13C-1,2,3,4,7,8-HxCDF	88.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0147			13C-1,2,3,6,7,8-HxCDF	88.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0154			13C-2,3,4,6,7,8-HxCDF	87.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0330		13C-1,2,3,7,8,9-HxCDF	89.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.0569			J	13C-1,2,3,4,6,7,8-HpCDF	84.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0264			13C-1,2,3,4,7,8,9-HpCDF	95.0	26 - 138	
OCDF	0.105			J, B	13C-OCDF	92.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	87.2	35 - 197	

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

TEQMinWHO2005Dioxin 0.0154

TOTALS								
Total TCDD	0.359		0.444					
Total PeCDD	0.257		0.309					
Total HxCDD	1.02							
Total HpCDD	2.04							
Total TCDF	ND	0.0177						
Total PeCDF	0.0185		0.0309					
Total HxCDF	0.0178		0.0953					
Total HpCDF	0.0569							

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-064SC-A-10-11-190929 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000787-07 Date Received: 07-Apr-2020 9:10
Project: Gasco PDI 000029-02.59	Sample Size: 13.9 g	QC Batch: B0D0081 Date Extracted: 07-Apr-2020 13:36
Date Collected: 29-Sep-2019 8:18	% Solids: 72.0	Date Analyzed: 11-Apr-20 06:18 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0348			IS 13C-2,3,7,8-TCDD	91.8	25 - 164	
1,2,3,7,8-PeCDD	ND		0.0563		13C-1,2,3,7,8-PeCDD	98.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0374			13C-1,2,3,4,7,8-HxCDD	96.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND		0.0720		13C-1,2,3,6,7,8-HxCDD	95.2	28 - 130	
1,2,3,7,8,9-HxCDD	0.168			J	13C-1,2,3,7,8,9-HxCDD	97.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.36			J	13C-1,2,3,4,6,7,8-HpCDD	114	23 - 140	
OCDD	14.5			B	13C-OCDD	106	17 - 157	
2,3,7,8-TCDF	ND	0.0182			13C-2,3,7,8-TCDF	83.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0237			13C-1,2,3,7,8-PeCDF	92.2	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0212			13C-2,3,4,7,8-PeCDF	92.6	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0183			13C-1,2,3,4,7,8-HxCDF	93.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0179			13C-1,2,3,6,7,8-HxCDF	92.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0187			13C-2,3,4,6,7,8-HxCDF	90.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0258		13C-1,2,3,7,8,9-HxCDF	91.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.0482			J	13C-1,2,3,4,6,7,8-HpCDF	89.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0264			13C-1,2,3,4,7,8,9-HpCDF	99.3	26 - 138	
OCDF	ND	0.0270			13C-OCDF	97.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	89.2	35 - 197	

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

TEQMinWHO2005Dioxin 0.0352

TOTALS			
Total TCDD	0.275		
Total PeCDD	0.189		0.553
Total HxCDD	2.02		2.09
Total HpCDD	3.72		
Total TCDF	0.0227		
Total PeCDF	ND	0.0237	
Total HxCDF	0.0179		0.0837
Total HpCDF	0.0482		

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

2000787
0.8°C

Chain of Custody Record & Laboratory Analysis Request

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters														Comments/Preservation								
					Dioxin/furans (1613B)	Total solids (SM 2540G)																					
1	PDI-064SC-A-04-05-190929	09/29/2019 08:18:00	SE	1	X	X																					
2	PDI-064SC-A-05-06-190929	09/29/2019 08:18:00	SE	1	X	X																					
3	PDI-064SC-A-06-07-190929	09/29/2019 08:18:00	SE	1	X	X																					
4	PDI-064SC-A-07-08-190929	09/29/2019 08:18:00	SE	1	X	X																					
5	PDI-064SC-A-08-09-190929	09/29/2019 08:18:00	SE	1	X	X																					
6	PDI-064SC-A-09-10-190929	09/29/2019 08:18:00	SE	1	X	X																					
7	PDI-064SC-A-10-11-190929	09/29/2019 08:18:00	SE	1	X	X																					
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											



Please analyze a duplicate on one per 20 samples.
1-week TAT

Relinquished By:	Company: Anchor QEA, LLC
Signature/Printed Name	Date/Time

Received By:	Company: JAL	
Ashwini Prakash 04/07/20 09:10	Signature/Printed Name	Date/Time

Relinquished By:	Company:
Signature/Printed Name	Date/Time

Received By:	Company:
Signature/Printed Name	Date/Time

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2000787

TAT 7

Samples Arrival:	Date/Time 04/07/20 0910	Initials: JP	Location: WR-2
			Shelf/Rack: MA
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> GLS	<input type="checkbox"/> DHL
		<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 0.8 (uncorrected)	Probe used: Y <input checked="" type="checkbox"/> N		Thermometer ID: IR-3
Temp °C: 0.8 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trk #	7701 7833 4230		
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain
			<input checked="" type="checkbox"/> Return
			<input type="checkbox"/> Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logged In:	Date/Time 04/07/20 0916	Initials: KS	Location: WR-2
			Shelf/Rack: D-3
COC Anomaly/Sample Acceptance Form completed?			<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2000787

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2000787-01	A PDI-064SC-A-04-05-190929	<input checked="" type="checkbox"/>	29-Sep-19 08:18	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000787-02	A PDI-064SC-A-05-06-190929	<input checked="" type="checkbox"/>	29-Sep-19 08:18	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000787-03	A PDI-064SC-A-06-07-190929	<input checked="" type="checkbox"/>	29-Sep-19 08:18	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000787-04	A PDI-064SC-A-07-08-190929	<input checked="" type="checkbox"/>	29-Sep-19 08:18	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000787-05	A PDI-064SC-A-08-09-190929	<input checked="" type="checkbox"/>	29-Sep-19 08:18	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000787-06	A PDI-064SC-A-09-10-190929	<input checked="" type="checkbox"/>	29-Sep-19 08:18	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000787-07	A PDI-064SC-A-10-11-190929	<input checked="" type="checkbox"/>	29-Sep-19 08:18	<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
<input checked="" type="checkbox"/> Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

* Samples 2 (PDI-064SC-A-05-06-190929) and 4 (PDI-064SC-A-07-08-190929) were received broken and transferred into different containers

Verified by/Date: HS 04/07/20



ANOMALY FORM

Vista Work Order 2000787

Initial/Date The following checked issues were noted during sample receipt and login:

- 1. The samples were received out of temperature at (WI-PHT): _____
Was Ice present: Yes No Melted Blue Ice
- KS 04/07/20 2. The Chain-of-Custody (CoC) was not relinquished properly.
- 3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
- 4. The sample(s) did not include a sample collection time. All or Sample Name: _____
- 5. A sample ID discrepancy was found. See the Reconciliation report.
The CoC Sample ID will be used unless notified otherwise.
- 6. A sample date and/or time discrepancy was found. See the Reconciliation report.
The CoC Sample date/time will be used unless notified otherwise.
- 7. The CoC did not include a sample matrix. The following sample matrix will be used: _____
- 8. Insufficient volume received for analysis. All or Sample Name: _____
- 9. The backup bottle was received broken. Sample Name: _____
- 10. CoC not received, illegible or destroyed.
- 11. The sample(s) were received out of holding time. All or Sample Name: _____
- 12. The CoC did not include an analysis. All or Sample Name: _____
- 13. Sample(s) received without collection date. All or Sample Name: _____
- 14. Sample(s) not received. All or Sample Name: _____
- KS 04/07/20 15. Sample(s) received broken. All or Sample Name: PDI-0645C-A-05-06-190929 & PDI-0645C-A-07-08-190929
- 16. An incorrect container-type was used. All or Sample Name: _____
- 17. Other:

Bolded items require sign-off

Client Contacted: _____

Date of Contact: 12/16/19

Vista Client Manager: [Signature]

Resolution: Transfer uncompromised mass into new container, per 12/16/19 email.

EXTRACTION INFORMATION

Process Sheet
 Workorder: **2000787**

RUSH!

Prep Expiration: 2020-09-28
 Client: Anchor QEA, LLC

Workorder Due: 14-Apr-20 00:00
 TAT: 7

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

Prep Batch: B0D0081
 Prep Data Entered: NT 04/09/20
Date and Initials
 Initial Sequence: S0D0037

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000787-01	<input checked="" type="checkbox"/>	PDI-064SC-A-04-05-190929	07-Apr-20 09:10	WR-2 D-3	DUP
2000787-02	<input checked="" type="checkbox"/>	PDI-064SC-A-05-06-190929	07-Apr-20 09:10	WR-2 D-3	
2000787-03	<input checked="" type="checkbox"/>	PDI-064SC-A-06-07-190929	07-Apr-20 09:10	WR-2 D-3	
2000787-04	<input checked="" type="checkbox"/>	PDI-064SC-A-07-08-190929	07-Apr-20 09:10	WR-2 D-3	
2000787-05	<input checked="" type="checkbox"/>	PDI-064SC-A-08-09-190929	07-Apr-20 09:10	WR-2 D-3	
2000787-06	<input checked="" type="checkbox"/>	PDI-064SC-A-09-10-190929	07-Apr-20 09:10	WR-2 D-3	
2000787-07	<input checked="" type="checkbox"/>	PDI-064SC-A-10-11-190929	07-Apr-20 09:10	WR-2 D-3	

WO Comments: **Dioxin - 10g (dry weight)** RR 04/08/20

Pre-Prep Check Out: AO 04/07/20
 Pre-Prep Check In: AO 04/07/20

Prep Check Out: RR 04/08/20
 Prep Check In: RR 04/08/20

Prep Reconciled Initials/Date: AO 04/07/20
 Spike Reconciled Initials/Date: RR 04/08/20

VialBoxID: Physics Lab

PREPARATION BENCH SHEET

Matrix: Solid

B0D0081

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 07-Apr-20 13:36

Method: 8290 Full List

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	Florisisl CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B0D0081-BLK1	NA	(10.00)	DF RR 04/08/20	RR 04/09/20	NA	04/09/20	04/09/20	04/09/20	DF 04/09/20
<input type="checkbox"/>	B0D0081-BS1	↓	(10.00)	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	B0D0081-BS4 (A)	↓	(10.00)	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	B0D0081-DUP1 2000787-01	17.72	17.78	↓	↓	↓	Deep yellow	↓	↓	↓
<input type="checkbox"/>	2000218-01RE2	-----								
<input type="checkbox"/>	2000787-01	17.72	17.72	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000787-02	16.69	16.70	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000787-03	18.01	18.10	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000787-04	15.48	15.60	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000787-05	16.20	16.32	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000787-06	13.76	13.76	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000787-07	13.89	13.89	↓	↓	↓	↓	↓	↓	↓

(A) LOQ spiked at 40uL of 2000701-1
2000701 DFO 4/08/20

IS Name <u>PCDD/F</u>	NS Name <u>19F1913, 10uL</u>	CRS Name <u>19I1602, 10uL</u>	RS Name <u>19I1603, 10uL</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>RR 04/08/20</u>
PCDD/F <u>19I2301, 10uL</u>	PCDD/F <u>18F1913, 10uL</u>	PCDD/F <u>19I1602, 10uL</u>	PCDD/F <u>19I1603, 10uL</u>	Start Date/Time <u>04/08/20 1516</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RR 04/08/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>04/09/20 1414</u>	Other <u>NA</u>	Balance ID: <u>HRMS-9</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>C14 20uL</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

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0D0075

Analyst: AO	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>AO 04/08/20</u>
Analyte: Dried at 110°C+/-5°C	Units: %	
Oven ID: 01 02		

Inst HRMS-9

Date/Time IN: 04/07/20 1102 Date/Time OUT: 04/08/20 936

Particle Size	SampID	SampType	E		F		H	I	K	L	M	N	O	P							
			Initial and Date:	AO 04/07/20	AO 04/08/20	Dry Sample Weight (g)									%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)																
	2000787-01	Sample	1.2800 ✓	9.8900 ✓	6.1400 ✓	4.8600	56.45	MUD	NA	NA	NA	NA	NA	X							
	2000787-02	Sample	1.2900 ✓	7.2300 ✓	4.8500 ✓	3.5600	59.93	MUD	NA	NA	NA	NA	NA	X							
	2000787-03	Sample	1.2900 ✓	8.8200 ✓	5.4700 ✓	4.1800	55.51	MUD	NA	NA	NA	NA	NA	X							
	2000787-04	Sample	1.2900 ✓	10.9500 ✓	7.5300 ✓	6.2400	64.60	MUD	NA	NA	NA	NA	NA	X							
	2000787-05	Sample	1.3000 ✓	7.1500 ✓	4.9100 ✓	3.6100	61.71	MUD	NA	NA	NA	NA	NA	X							
	2000787-06	Sample	1.2800 ✓	10.6100 ✓	8.0600 ✓	6.7800	72.67	SAND	NA	NA	NA	NA	NA	X							
	2000787-07	Sample	1.2900 ✓	10.7900 ✓	8.1300 ✓	6.8400	72.00	SAND	NA	NA	NA	NA	NA	X							

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0D0075

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

Inst HRMS-9 Date/Time IN: 04/07/20 11:27 Date/Time OUT: 04/08/20 09:26

Particle Size	SampID	SampType	Initial and Date:		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)	Wet Pan and Sample Weight (g)									
				<u>AO 04/07/20</u>	<u>AO 04/08/20</u>			<u>AO 04/07/20</u>					<u>AO 04/08/20</u>
	2000787-01	Sample	1.28	9.89	6.14	N/A	Mud						X
	2000787-02	Sample	1.29	7.73	4.85		X						
	2000787-03	Sample	1.29	8.87	5.47		X						
	2000787-04	Sample	1.29	10.95	7.53		X						
	2000787-05	Sample	1.30	7.15	4.91		X						
	2000787-06	Sample	1.28	10.61	8.06		X						
	2000787-07	Sample	1.29	10.79	8.13		X						

*Sample homogenized in sample container unless otherwise noted.

Batch: B0D0081

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000218-01RE2	10			20	12-Feb-20 13:30	ACO			Solid	8290 Full List
2000787-01	17.72			20	07-Apr-20 13:36	ACO			Sediment	8290 Full List
2000787-01	17.72	56.44599	10.0022	20	07-Apr-20 13:36	ACO			Sediment	1613 Full List
2000787-02	16.7	59.93266	10.0088	20	07-Apr-20 13:36	ACO			Sediment	1613 Full List
2000787-03	18.1	55.51129	10.0475	20	07-Apr-20 13:36	ACO			Sediment	1613 Full List
2000787-04	15.6	64.59628	10.0770	20	07-Apr-20 13:36	ACO			Sediment	1613 Full List
2000787-05	16.32	61.7094	10.0710	20	07-Apr-20 13:36	ACO			Sediment	1613 Full List
2000787-06	13.76	72.66882	9.9992	20	07-Apr-20 13:36	ACO			Sediment	1613 Full List
2000787-07	13.89	72	10.0008	20	07-Apr-20 13:36	ACO			Sediment	1613 Full List
B0D0081-BLK1	10			20	07-Apr-20 13:36	ACO				QC
B0D0081-BS1	10			20	07-Apr-20 13:36	ACO	18F1913	10		QC
B0D0081-BS4	10			20	07-Apr-20 13:36	ACO	20D0701	40		QC
B0D0081-DUP1	17.78	56.44599	10.0361	20	07-Apr-20 13:36	ACO				QC

[Signature] 04/09/20

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

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\200410R1\200410R1-6.qld

Last Altered: Tuesday, April 14, 2020 07:29:50 Pacific Daylight Time
 Printed: Tuesday, April 14, 2020 07:33:16 Pacific Daylight Time

GRB 04/14/2020
 CT 04/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-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	0.983	10.000	25.796		1.001				0.0585	
2	2 1,2,3,7,8-PeCDD			NO	0.921	10.000	31.162		1.001				0.0626	
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.000	34.579		1.000				0.0754	
4	4 1,2,3,6,7,8-HxCDD			NO	0.984	10.000	34.676		1.000				0.0792	
5	5 1,2,3,7,8,9-HxCDD			NO	0.967	10.000	34.952		1.000				0.0895	
6	6 1,2,3,4,6,7,8-HpCDD			NO	1.01	10.000	38.384		1.000				0.0874	
7	7 OCDD	3.16e3	0.88	NO	1.05	10.000	41.460	41.47	1.000	1.000	0.46234		0.0802	0.462
8	8 2,3,7,8-TCDF			NO	0.915	10.000	24.772		1.001				0.0397	
9	9 1,2,3,7,8-PeCDF			NO	0.959	10.000	29.788		1.001				0.0454	
10	10 2,3,4,7,8-PeCDF			NO	1.00	10.000	30.851		1.001				0.0430	
11	11 1,2,3,4,7,8-HxCDF			NO	1.04	10.000	33.717		1.000				0.0356	
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	10.000	33.844		1.000				0.0348	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.000	34.444		1.001				0.0354	
14	14 1,2,3,7,8,9-HxCDF			NO	1.03	10.000	35.283		1.000				0.0569	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.05	10.000	37.014		1.001				0.0421	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.000	39.032		1.000				0.0554	
17	17 OCDF	1.03e3	0.90	NO	0.947	10.000	41.641	41.64	1.000	1.000	0.14427		0.0680	0.144
18	18 13C-2,3,7,8-TCDD	2.61e6	0.79	NO	1.18	10.000	25.750	25.76	1.029	1.029	174.47	87.2	0.181	
19	19 13C-1,2,3,7,8-PeCDD	2.03e6	0.63	NO	0.864	10.000	30.937	31.14	1.236	1.244	185.39	92.7	0.224	
20	20 13C-1,2,3,4,7,8-HxCDD	1.57e6	1.27	NO	0.754	10.000	34.575	34.57	1.014	1.014	187.93	94.0	0.340	
21	21 13C-1,2,3,6,7,8-HxCDD	1.93e6	1.27	NO	0.925	10.000	34.684	34.68	1.017	1.017	188.41	94.2	0.277	
22	22 13C-1,2,3,7,8,9-HxCDD	1.75e6	1.25	NO	0.829	10.000	34.947	34.94	1.025	1.025	190.63	95.3	0.309	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.51e6	1.07	NO	0.598	10.000	38.418	38.37	1.127	1.125	228.04	114	0.396	
24	24 13C-OCDD	2.60e6	0.89	NO	0.571	10.000	41.579	41.46	1.219	1.216	412.18	103	0.397	
25	25 13C-2,3,7,8-TCDF	3.27e6	0.77	NO	1.09	10.000	24.772	24.75	0.990	0.989	160.87	80.4	0.258	
26	26 13C-1,2,3,7,8-PeCDF	2.82e6	1.58	NO	0.876	10.000	29.608	29.77	1.183	1.189	172.50	86.2	0.338	
27	27 13C-2,3,4,7,8-PeCDF	2.77e6	1.58	NO	0.844	10.000	30.619	30.82	1.223	1.231	175.88	87.9	0.351	
28	28 13C-1,2,3,4,7,8-HxCDF	1.98e6	0.52	NO	1.00	10.000	33.719	33.72	0.989	0.989	178.94	89.5	0.282	
29	29 13C-1,2,3,6,7,8-HxCDF	2.27e6	0.52	NO	1.12	10.000	33.828	33.83	0.992	0.992	183.40	91.7	0.252	
30	30 13C-2,3,4,6,7,8-HxCDF	2.05e6	0.50	NO	1.04	10.000	34.411	34.41	1.009	1.009	179.21	89.6	0.272	
31	31 13C-1,2,3,7,8,9-HxCDF	1.77e6	0.53	NO	0.873	10.000	35.288	35.28	1.035	1.035	183.35	91.7	0.323	

Dataset: U:\VG12.PRO\Results\200410R1\200410R1-6.qld

Last Altered: Tuesday, April 14, 2020 07:29:50 Pacific Daylight Time
 Printed: Tuesday, April 14, 2020 07:33:16 Pacific Daylight Time

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.54e6	0.43	NO	0.771	10.000	37.010	36.98	1.085	1.084	180.65	90.3	0.339	
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e6	0.44	NO	0.519	10.000	39.104	39.03	1.147	1.145	197.66	98.8	0.503	
34	13C-OCDF	3.02e6	0.91	NO	0.696	10.000	41.760	41.64	1.225	1.221	392.11	98.0	0.278	
35	37Cl-2,3,7,8-TCDD	1.05e6			1.17	10.000	25.760	25.80	1.029	1.030	70.480	88.1	0.0382	
36	13C-1,2,3,4-TCDD	2.53e6	0.79	NO	1.00	10.000	25.050	25.03	1.000	1.000	200.00	100	0.215	
37	13C-1,2,3,4-TCDF	3.73e6	0.79	NO	1.00	10.000	23.190	23.06	1.000	1.000	200.00	100	0.281	
38	13C-1,2,3,4,6,9-HxCDF	2.21e6	0.51	NO	1.00	10.000	34.040	34.10	1.000	1.000	200.00	100	0.282	
39	Total Tetra-Dioxins				0.983	10.000	24.620		0.000				0.0356	
40	Total Penta-Dioxins				0.921	10.000	29.960		0.000				0.0316	
41	Total Hexa-Dioxins				0.984	10.000	33.635		0.000				0.0558	
42	Total Hepta-Dioxins				1.01	10.000	37.640		0.000				0.0471	
43	Total Tetra-Furans				0.915	10.000	23.610		0.000		0.00000		0.0160	0.0314
44	1st Func. Penta-Furans				0.959	10.000	27.090		0.000				0.00879	
45	Total Penta-Furans				0.959	10.000	29.275		0.000				0.0201	
46	Total Hexa-Furans				1.09	10.000	33.555		0.000				0.0185	
47	Total Hepta-Furans				1.05	10.000	37.835		0.000				0.0230	

Dataset: U:\VG12.PRO\Results\200410R1\200410R1-6.qld

Last Altered: Tuesday, April 14, 2020 07:29:50 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 07:33:16 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-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	27.40	6.843e3	1.547e4	2.041e2	3.542e2	0.58	YES	0.000e0	0.00000	0.031384	0.0397

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\200410R1\200410R1-6.qld

Last Altered: Tuesday, April 14, 2020 07:29:50 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 07:33:16 Pacific Daylight Time

ID: B0D0081-Method Blank 10, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-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											

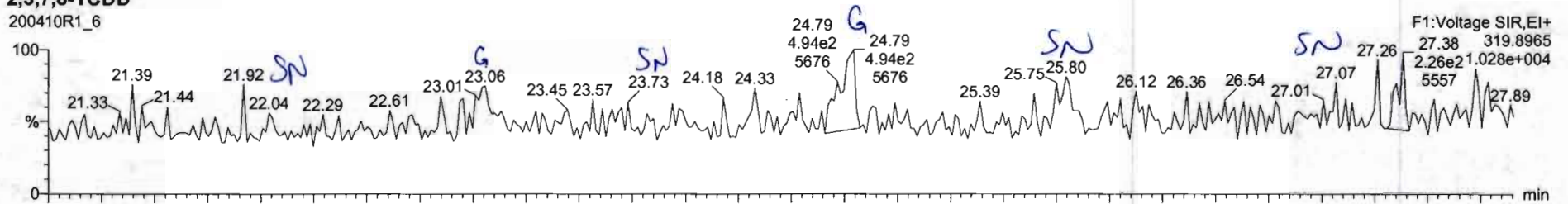
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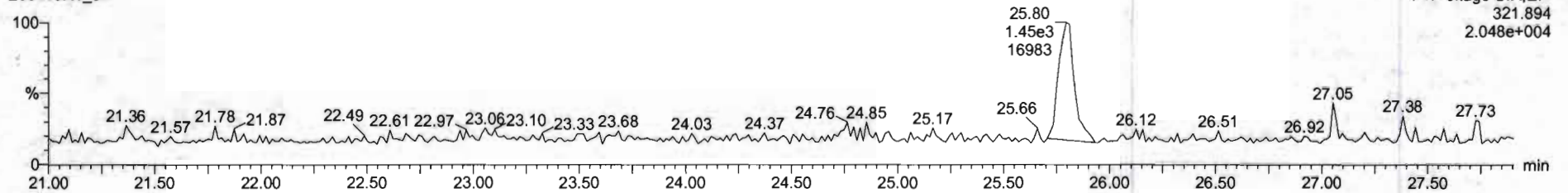
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2,3,7,8-TCDD

200410R1_6

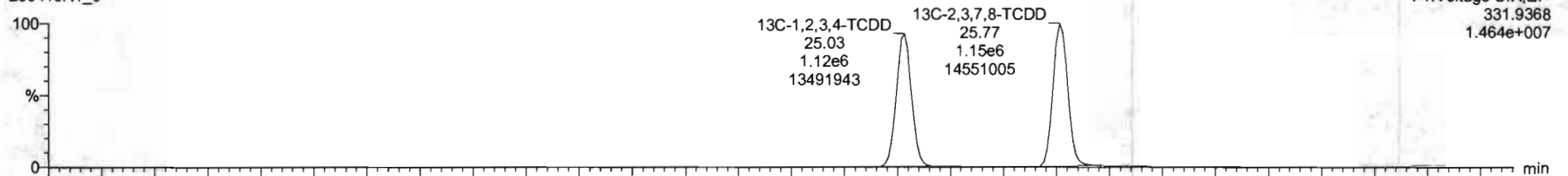


200410R1_6

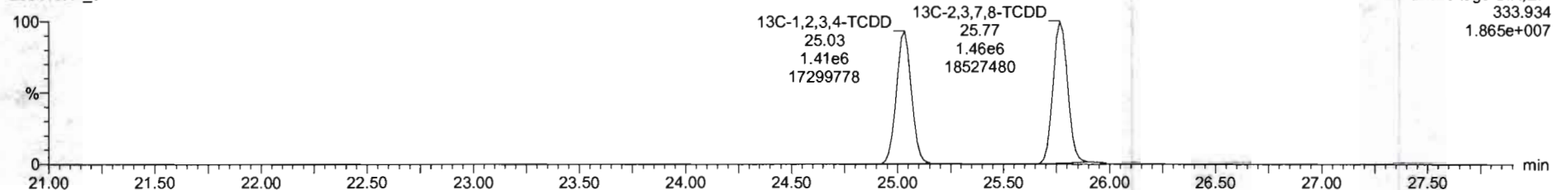


13C-2,3,7,8-TCDD

200410R1_6



200410R1_6



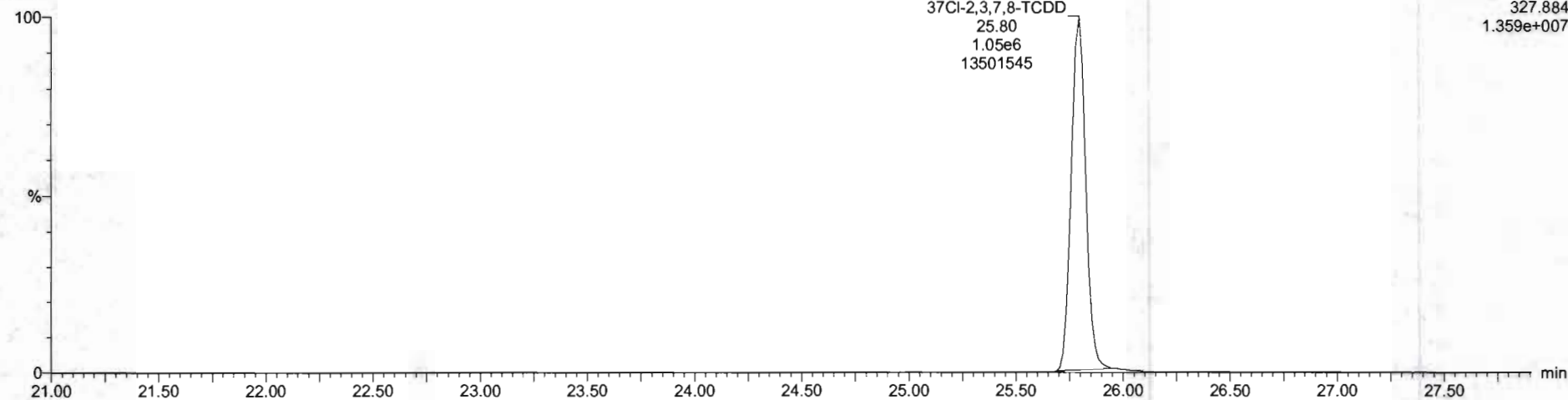
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Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

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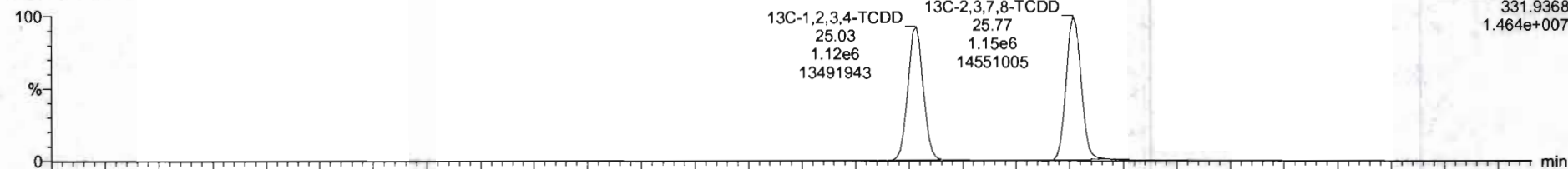
37Cl-2,3,7,8-TCDD

200410R1_6

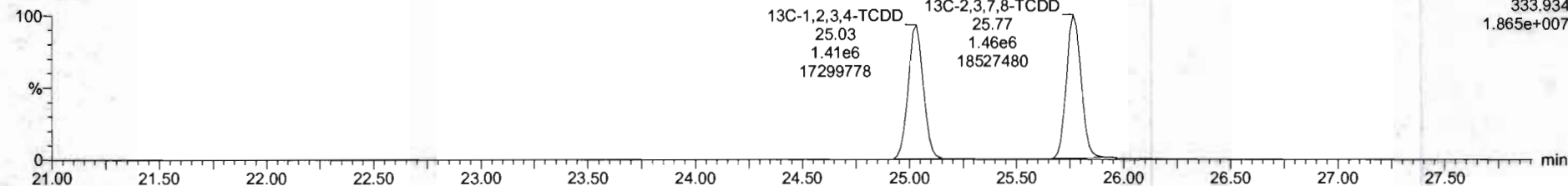


13C-1,2,3,4-TCDD

200410R1_6



200410R1_6



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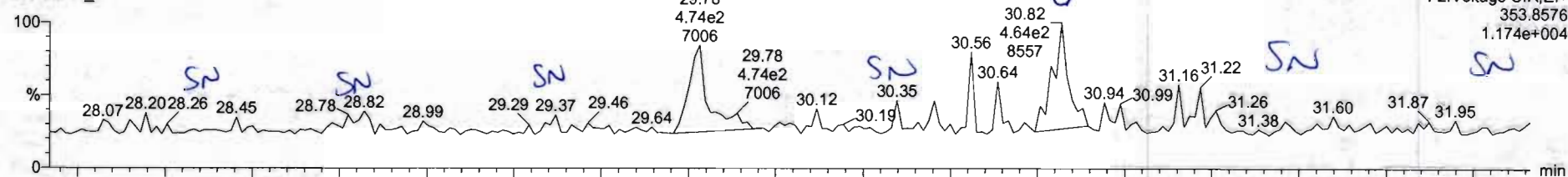
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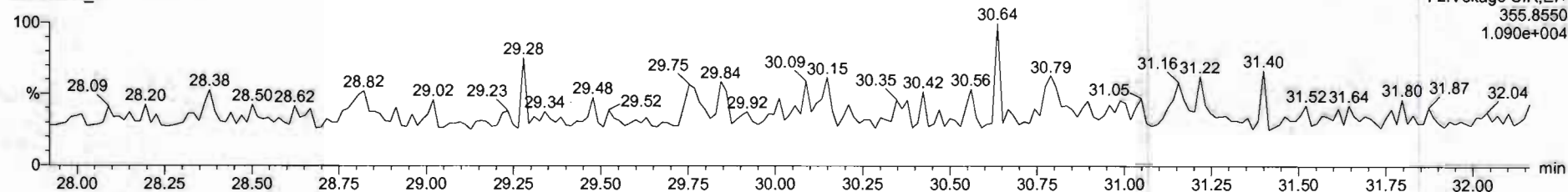
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1,2,3,7,8-PeCDD

200410R1_6

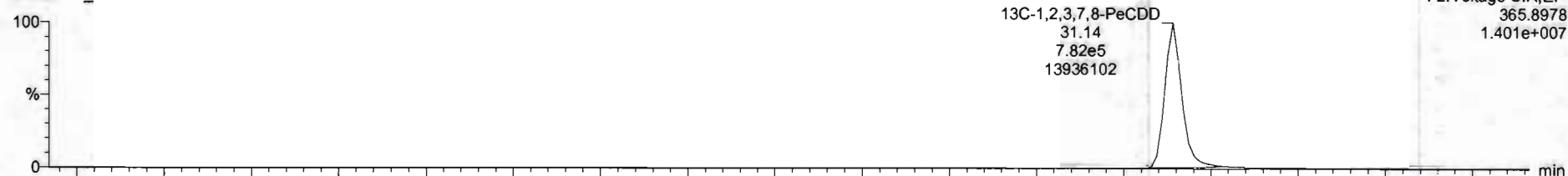


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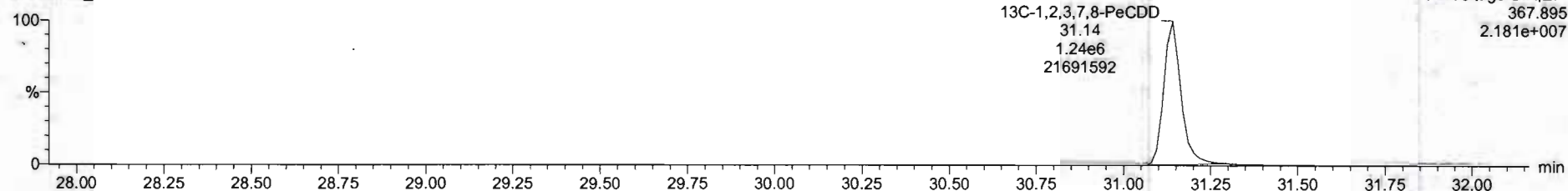


13C-1,2,3,7,8-PeCDD

200410R1_6



200410R1_6



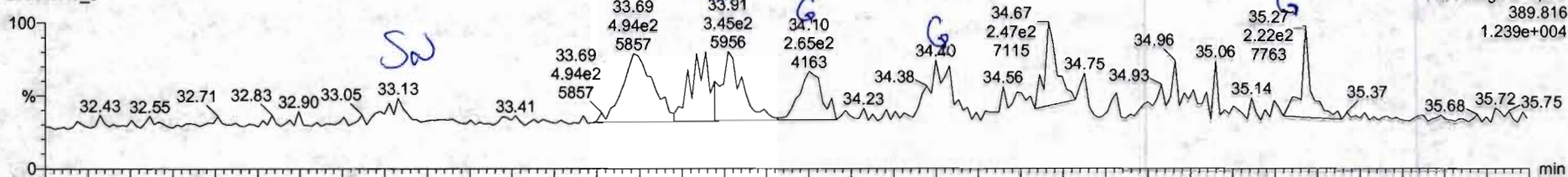
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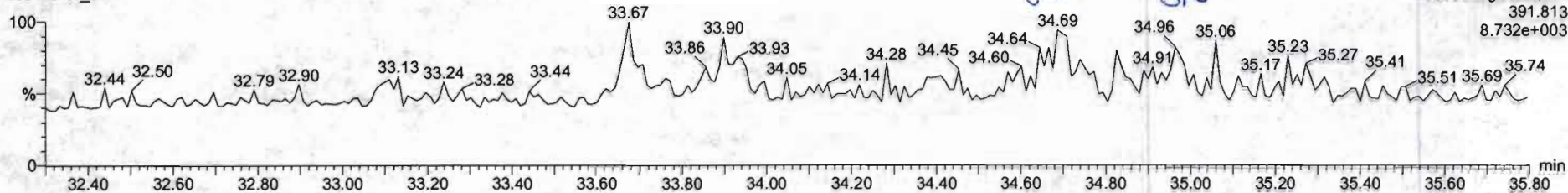
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1,2,3,4,7,8-HxCDD

200410R1_6

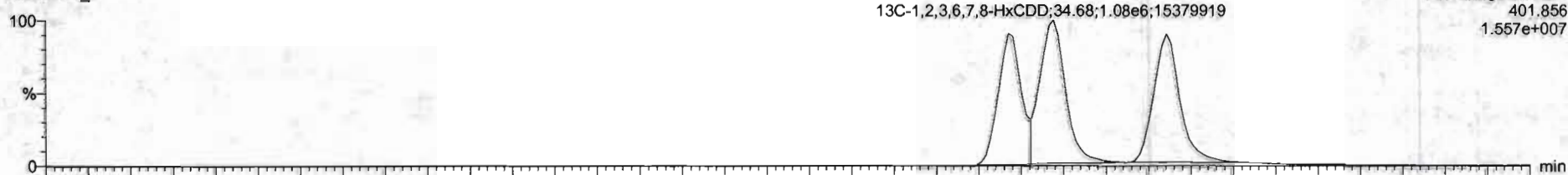


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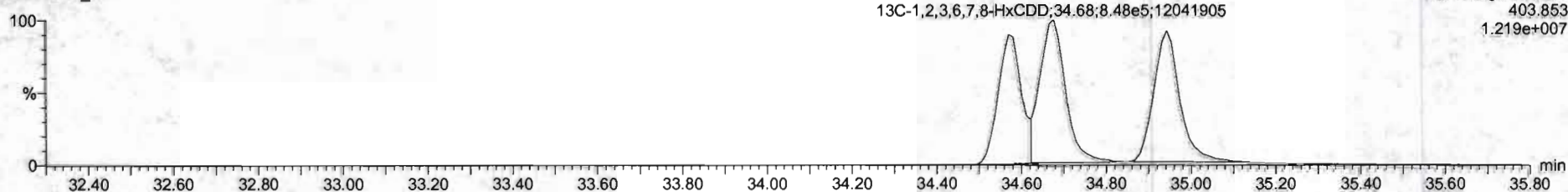


13C-1,2,3,4,7,8-HxCDD

200410R1_6



200410R1_6



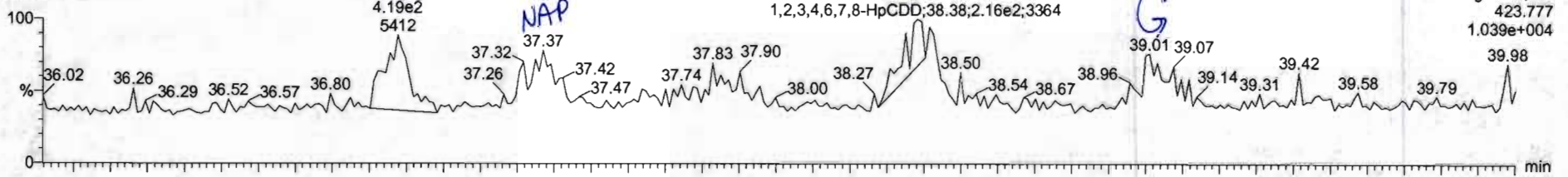
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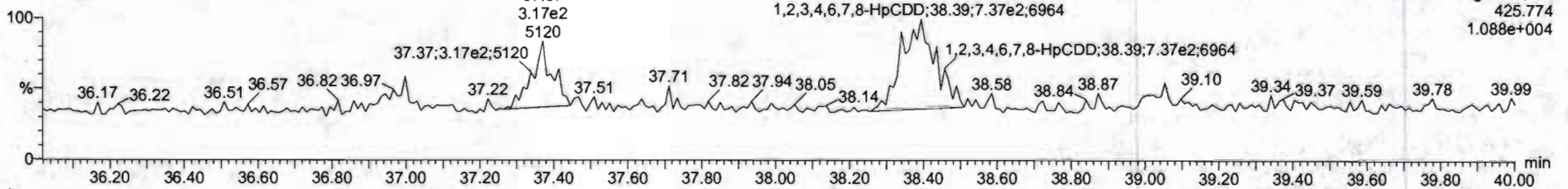
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1,2,3,4,6,7,8-HpCDD

200410R1_6

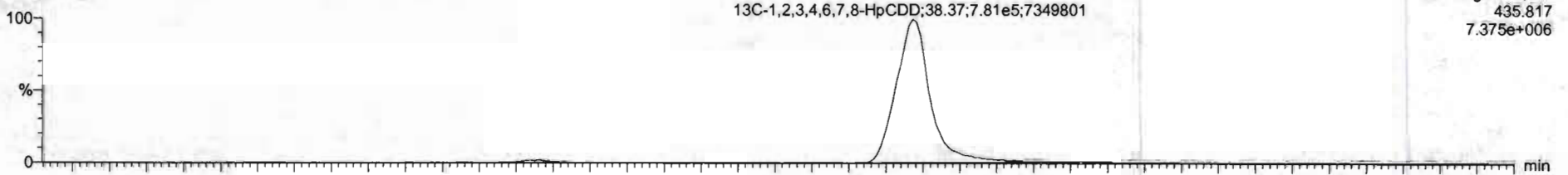


200410R1_6

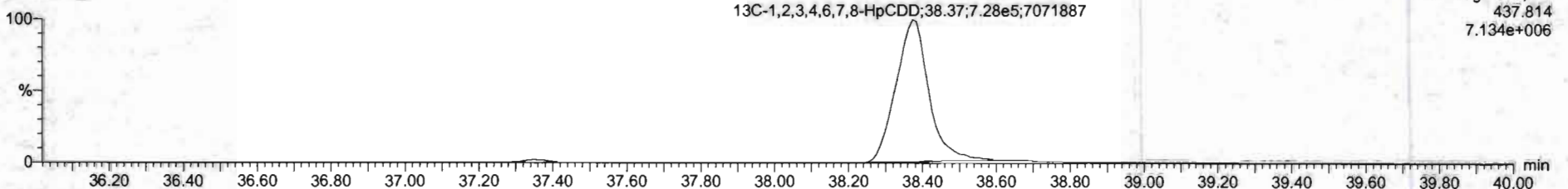


13C-1,2,3,4,6,7,8-HpCDD

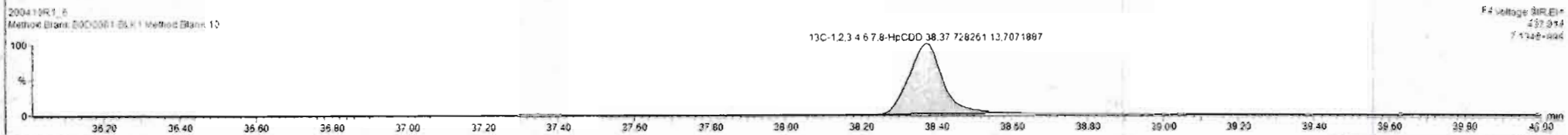
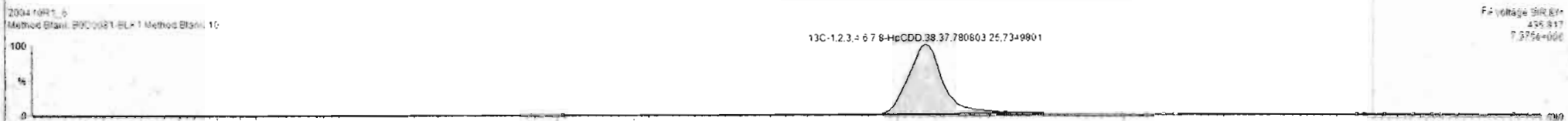
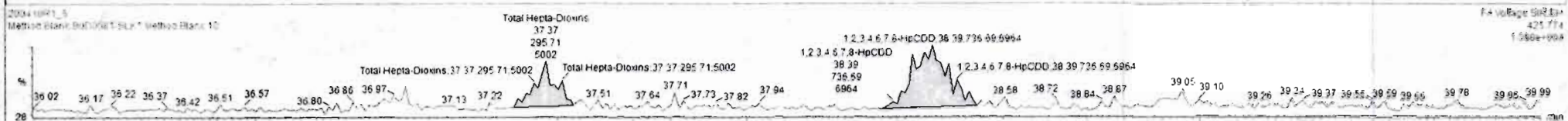
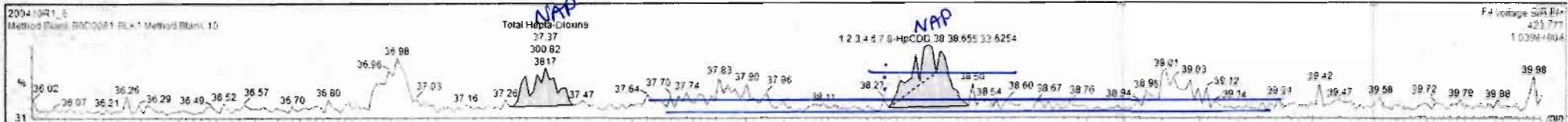
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200410R1_6



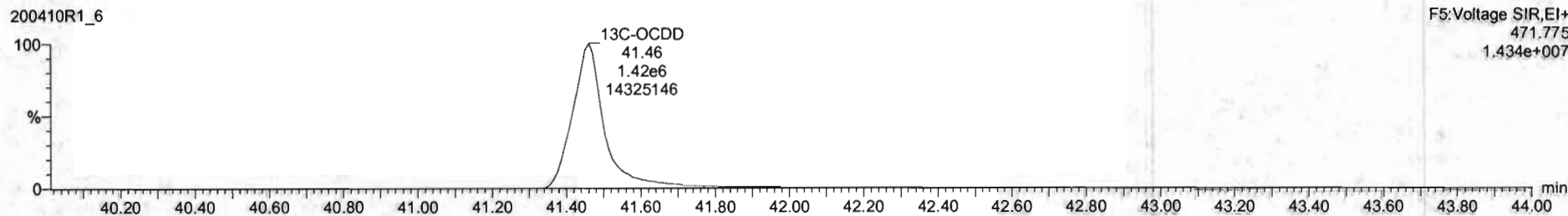
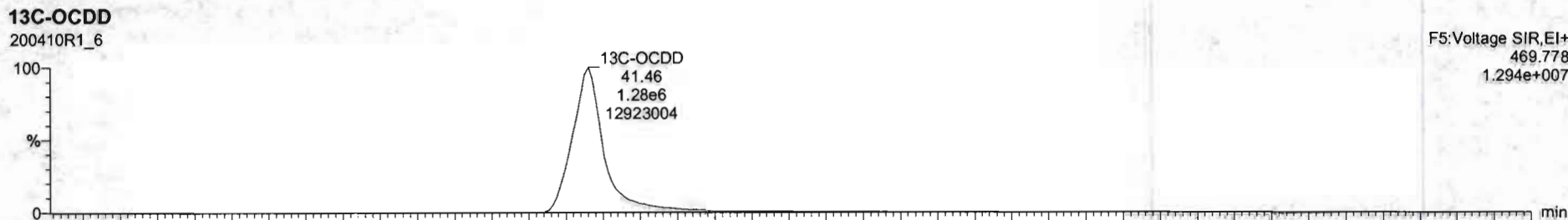
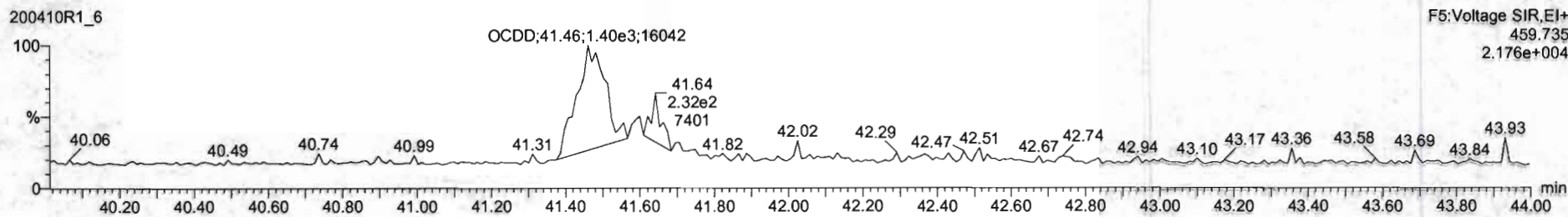
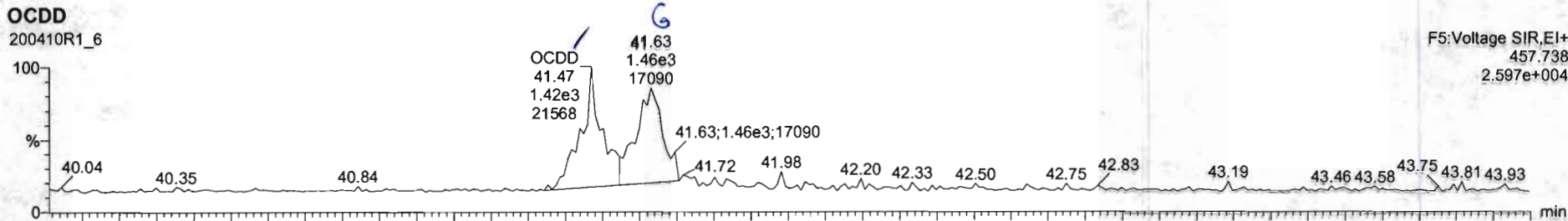
Name	Resp	RA	dy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
34	13C-OCDF	3.02e6	0.91	NO	0.6963	10.000	41.64	1.221	382	96.0	0.276
35	37Cl-2,3,7,8-TCDD	1.05e6			1.1745	10.000	25.80	1.030	70.5	86.1	0.0362
36	13C-1,2,3,4-TCDD	2.55e6	0.79	NO	1.0000	10.000	25.03	1.000	200	100	0.215
37	13C-1,2,3,4-TCDF	2.72e6	0.79	NO	1.0000	10.000	23.06	1.000	200	100	0.281
38	13C-1,2,3,4,6,9-HxCDF	2.21e6	0.51	NO	1.0000	10.000	34.10	1.000	200	100	0.262
39	Total Tetra-Dioxins				0.5635	10.000					0.0356
40	Total Penta-Dioxins				0.9212	10.000					0.0316
41	Total Hexa-Dioxins				0.9844	10.000					0.0558
42	Total Hepta-Dioxins				1.0061	10.000			0.262	0.0674	0.262
43	Total Tetra-Furans				0.9154	10.000			0.000	0.0160	0.0314
44	1st Func. Penta-Furans				0.9594	10.000				0.00879	
45	Total Penta-Furans				0.9594	10.000				0.0201	
46	Total Hexa-Furans				1.0923	10.000				0.0185	
47	Total Hepta-Furans				1.0483	10.000				0.0230	
48	PK1										



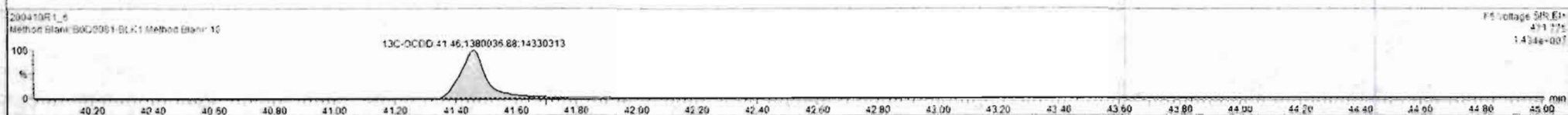
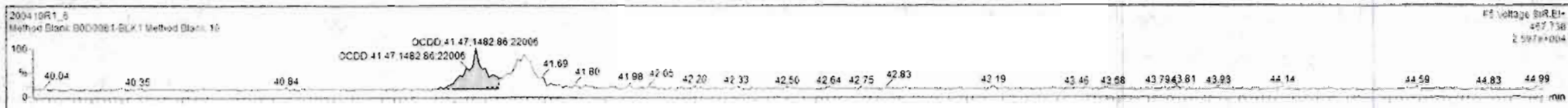
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Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-BLK1 Method Blank 10, Description: Method Blank



Name	Resp	RA	n/y	RRF	wt/wgt	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	0.9835	10.000					0.0585	
2 1,2,3,7,8-PeCDD			NO	0.9212	10.000					0.0626	
3 1,2,3,4,7,8-HxCDD			NO	1.1325	10.000					0.0754	
4 1,2,3,6,7,8-HxCDD			NO	0.9844	10.000					0.0792	
5 1,2,3,7,8,9-HxCDD			NO	0.9574	10.000					0.0895	
6 1,2,3,4,6,7,8-HpCDD	9.52e2	0.29	YES	1.0061	10.000	36.38	1.000	0.125		0.0874	0.0557
7 OCDD	3.16e3	0.88	NO	1.0515	10.000	41.47	1.000	0.462		0.0802	0.482
8 2,3,7,8-TCDF			NO	0.9154	10.000					0.0397	
9 1,2,3,7,8-PeCDF			NO	0.9594	10.000					0.0454	
10 2,3,4,7,8-PeCDF			NO	1.0035	10.000					0.0430	
11 1,2,3,4,7,8-HxCDF			NO	1.0361	10.000					0.0356	
12 1,2,3,6,7,8-HxCDF			NO	1.0126	10.000					0.0348	
13 2,3,4,6,7,8-HxCDF			NO	1.0920	10.000					0.0354	
14 1,2,3,7,8,9-HxCDF			NO	1.0268	10.000					0.0569	
15 1,2,3,4,6,7,8-HpCDF			NO	1.0483	10.000					0.0421	
16 1,2,3,4,7,8,9-HpCDF			NO	1.2059	10.000					0.0554	
17 OCDF	1.03e3	0.84	NO	0.9488	10.000	41.84	1.000	0.144		0.0680	0.144
18 1,3C-2,3,7,8-TCDD	2.81e6	0.79	NO	1.1842	10.000	25.76	1.029	174	87.2	0.181	
19 1,3C-1,2,3,7,8-PeCDD	2.03e6	0.83	NO	0.8644	10.000	31.14	1.244	185	92.7	0.224	
20 1,3C-1,2,3,4,7,8-HxCDD	1.57e6	1.27	NO	0.7539	10.000	34.57	1.014	188	94.0	0.340	
21 1,3C-1,2,3,6,7,8-HxCDD	1.92e6	1.27	NO	0.9254	10.000	34.58	1.017	188	94.2	0.277	



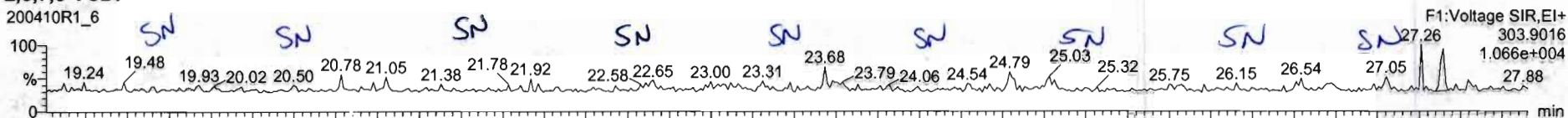
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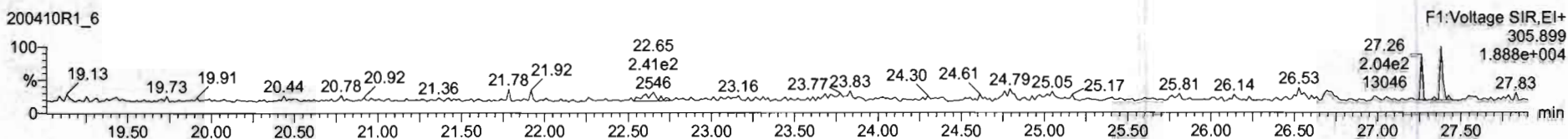
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2,3,7,8-TCDF

200410R1_6

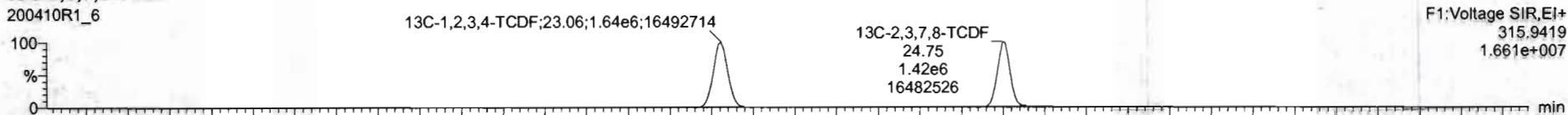


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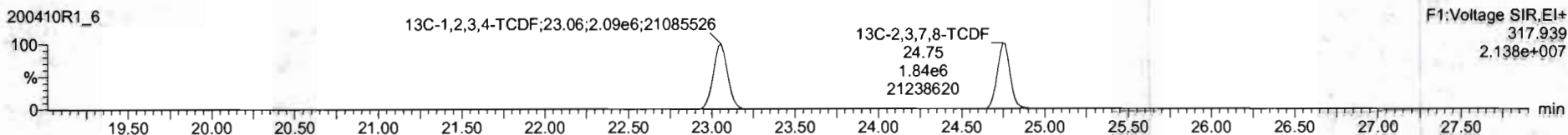


13C-2,3,7,8-TCDF

200410R1_6

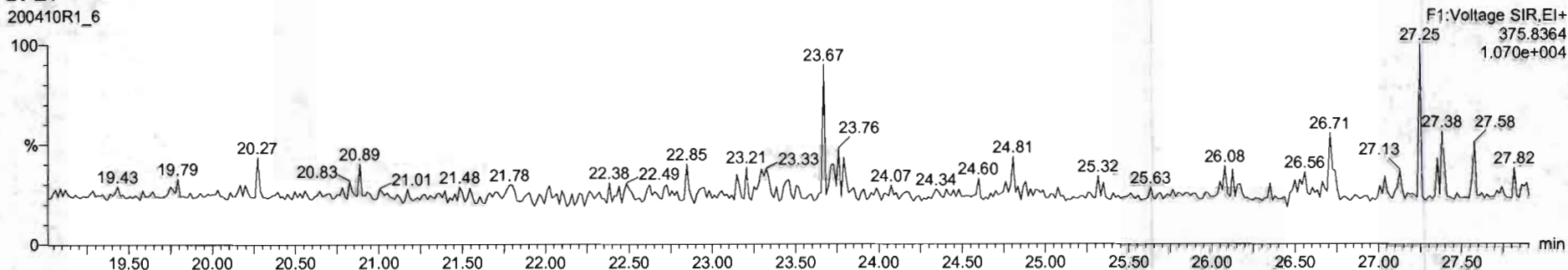


200410R1_6



DPE1

200410R1_6



Dataset: Untitled

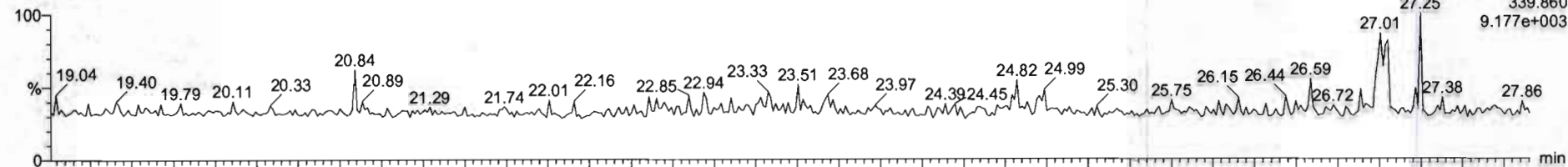
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Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

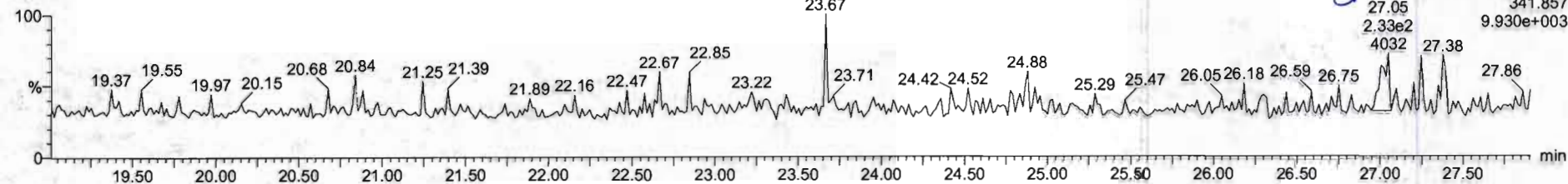
Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

200410R1_6

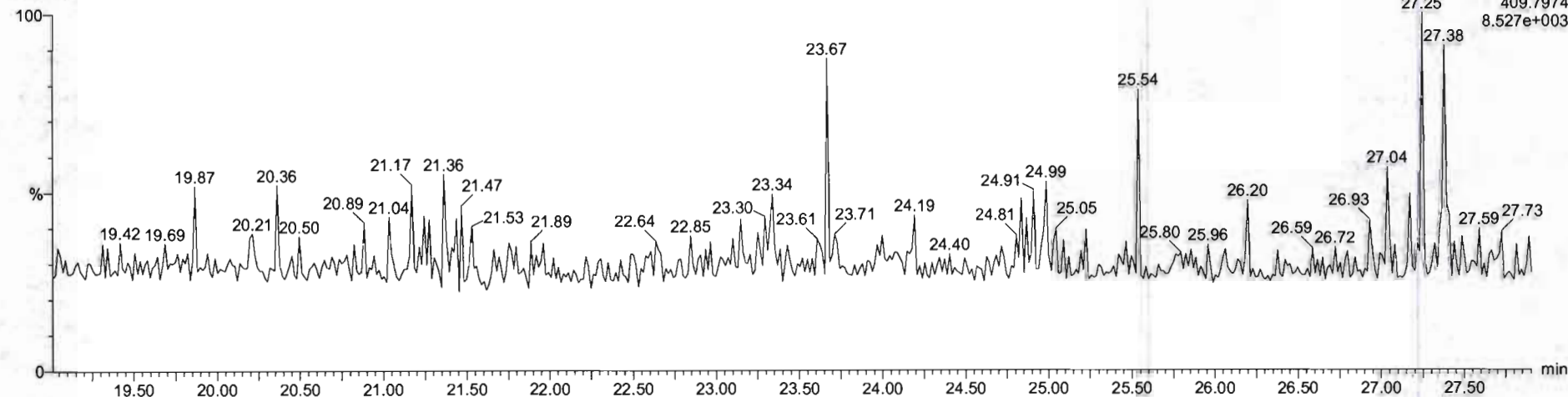


200410R1_6

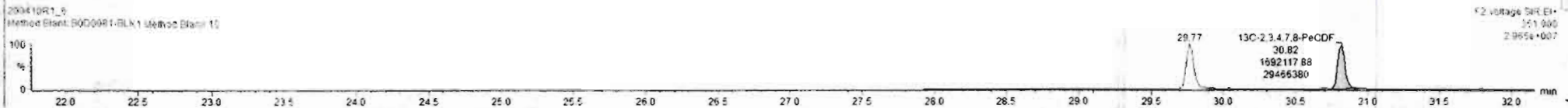
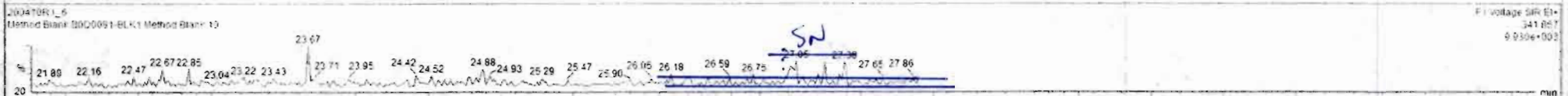
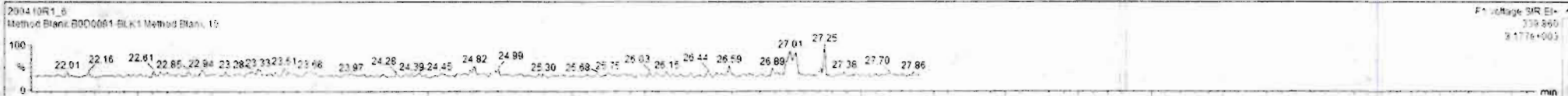


DPE6

200410R1_6



Name	Resp	RA	nfy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
34 13C-OCDF	1.02e6	0.51	NO	0.0563	10.000	41.54	1.221	392	96.0	0.278	
35 37Cl-2,3,7,8-TCDD	1.35e6			1.1745	10.000	25.80	1.030	70.5	68.1	0.0382	
36 13C-1,2,3,4-TCDD	2.53e6	0.79	NO	1.0000	10.000	25.03	1.000	260	100	0.215	
37 13C-1,2,3,4-TCDF	3.73e6	0.79	NO	1.0000	10.000	23.06	1.000	200	100	0.281	
38 13C-1,2,3,4,6,8-HxCDF	2.21e6	0.51	NO	1.0000	10.000	34.10	1.000	200	100	0.282	
39 Total Tetra-Dioxins				0.9825	10.000					0.0256	
40 Total Penta-Dioxins				0.9212	10.000					0.0316	
41 Total Hexa-Dioxins				0.9844	10.000					0.0556	
42 Total Hepta-Dioxins				1.0061	10.000					0.0471	
43 Total Tetra-Furans				0.9154	10.000			0.000		0.0150	0.0314
44 Tot Func. Penta-Furans				0.9594	10.000					0.00679	
45 Total Penta-Furans				0.9594	10.000					0.0201	
46 Total Hexa-Furans				1.0920	10.000					0.0185	
47 Total Hepta-Furans				1.0483	10.000					0.0230	
48 PFK1											



Dataset: Untitled

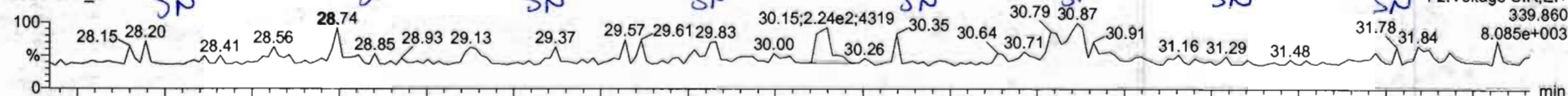
Last Altered: Monday, April 13, 2020 07:46:58 Pacific Daylight Time

Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

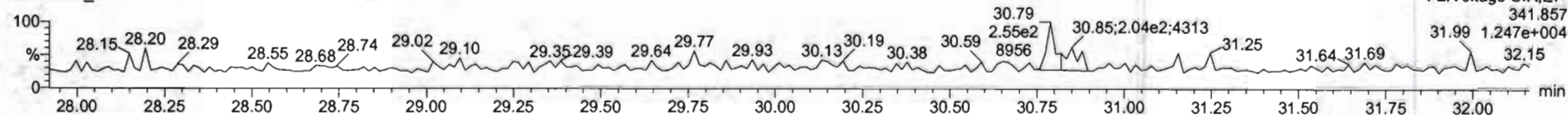
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1,2,3,7,8-PeCDF

200410R1_6

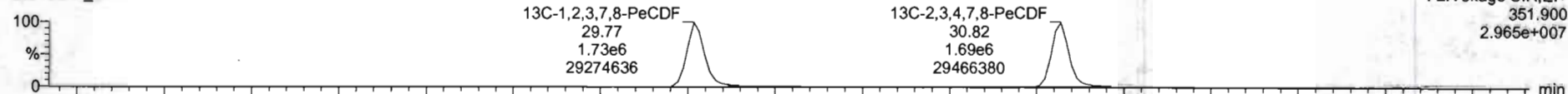


200410R1_6

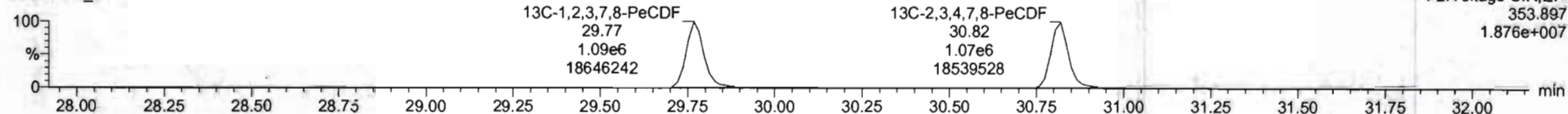


13C-1,2,3,7,8-PeCDF

200410R1_6

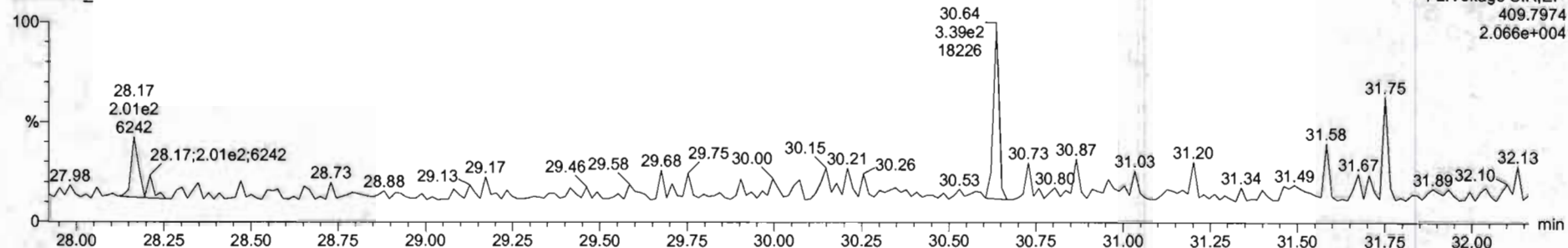


200410R1_6



DPE2

200410R1_6

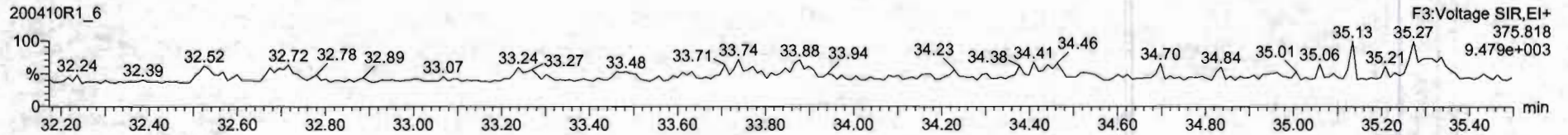
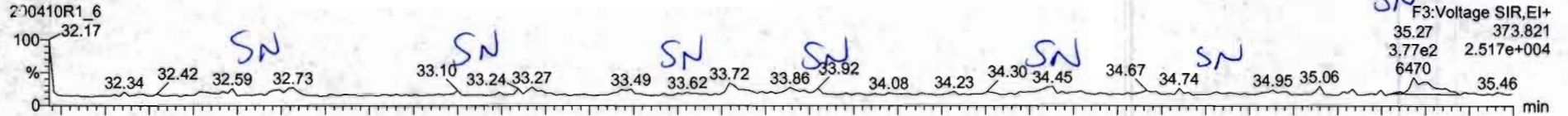


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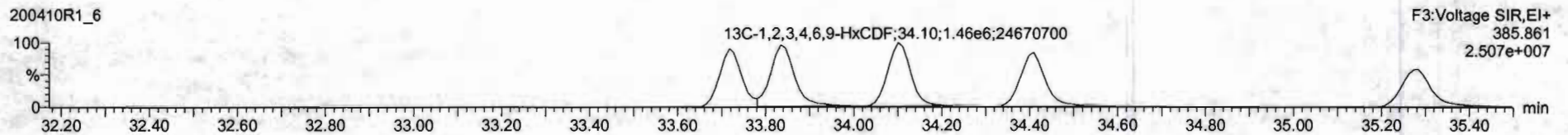
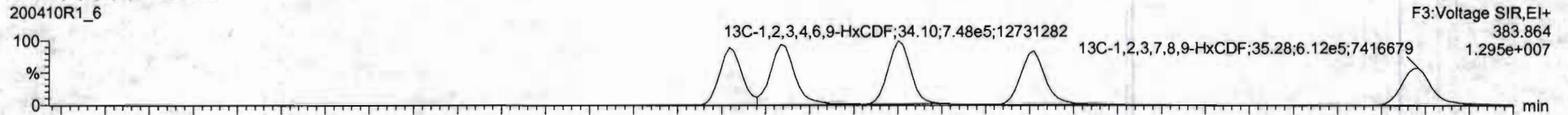
Last Altered: Monday, April 13, 2020 07:46:58 Pacific Daylight Time
Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-BLK1 Method Blank 10, Description: Method Blank

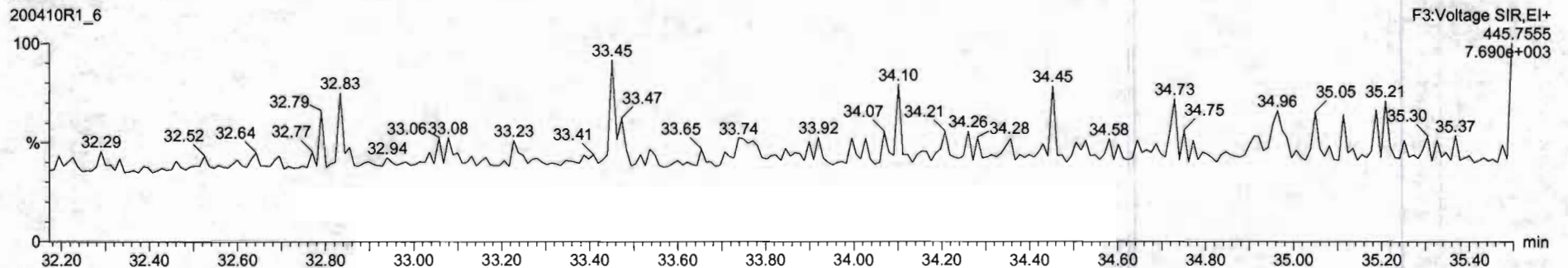
1,2,3,4,7,8-HxCDF



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



DPE3

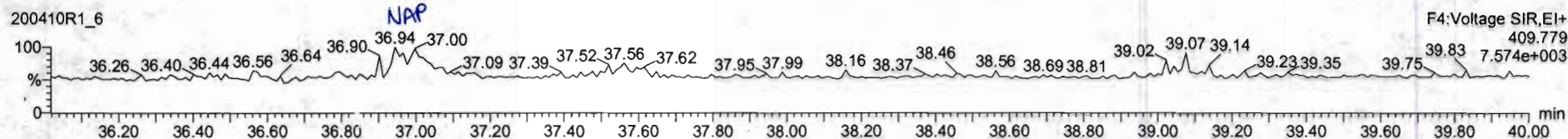
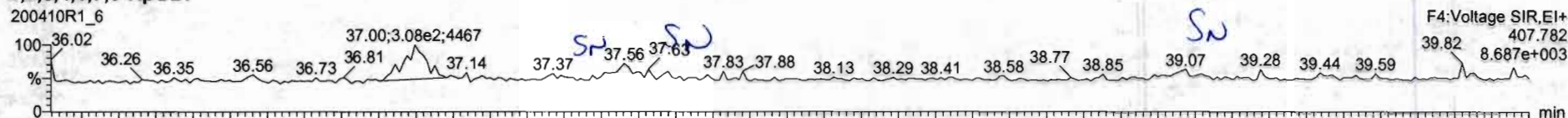


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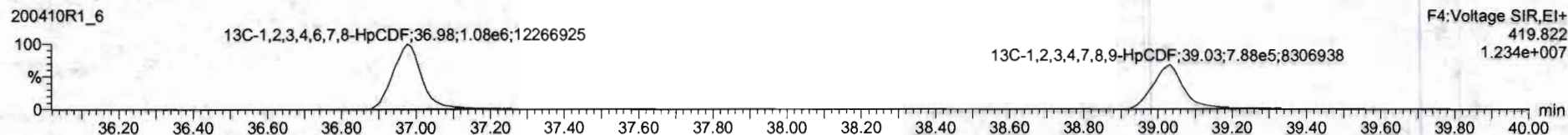
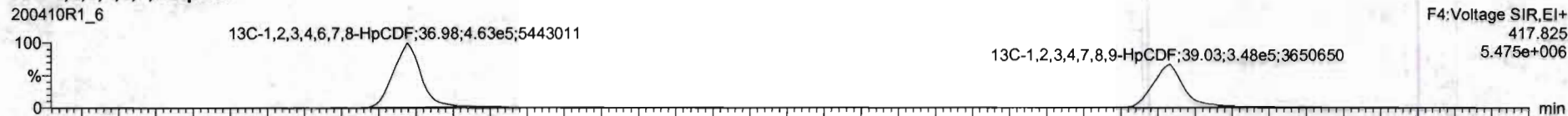
Last Altered: Monday, April 13, 2020 07:46:58 Pacific Daylight Time
Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-BLK1 Method Blank 10, Description: Method Blank

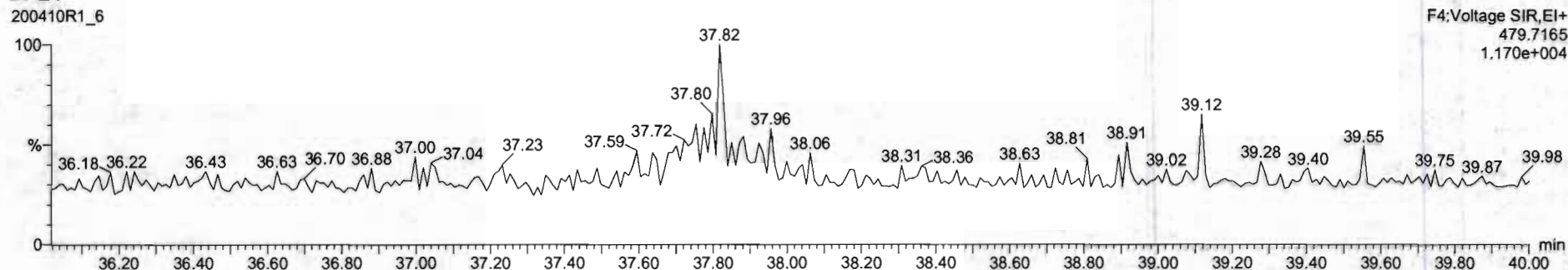
1,2,3,4,6,7,8-HpCDF



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



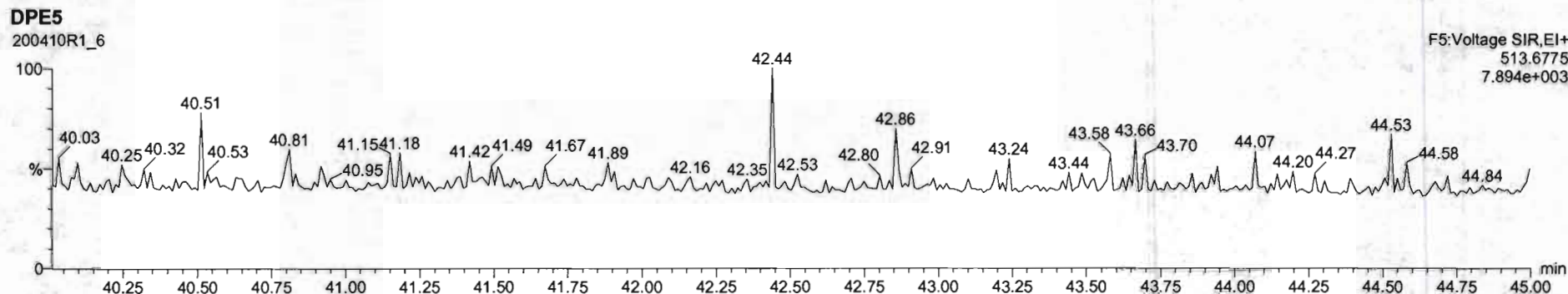
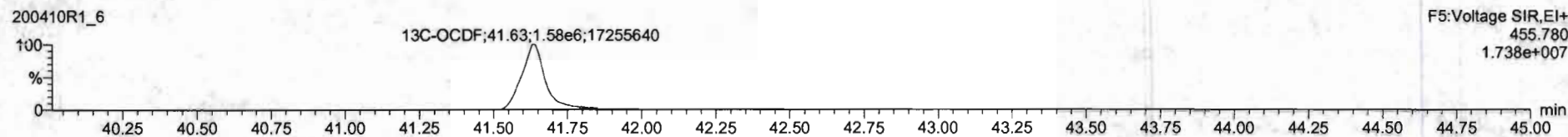
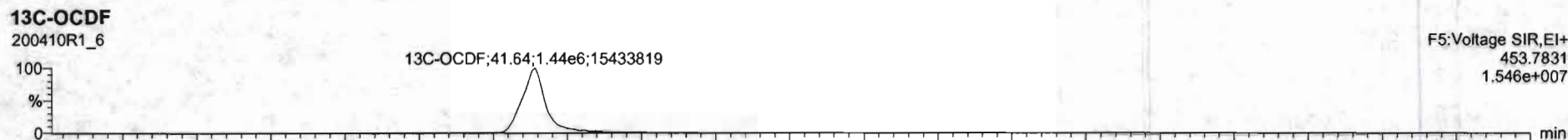
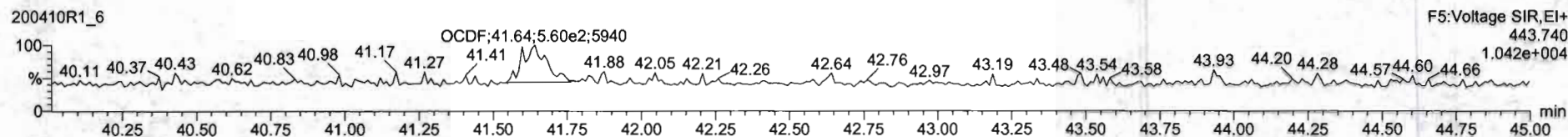
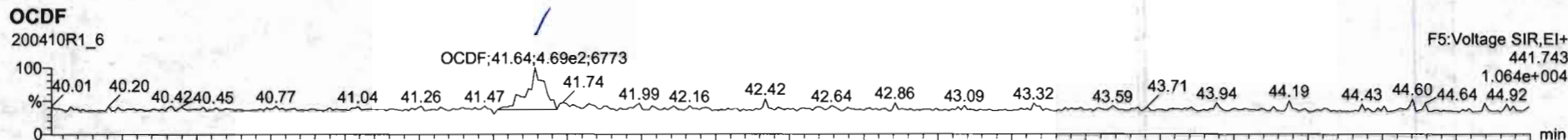
DPE4



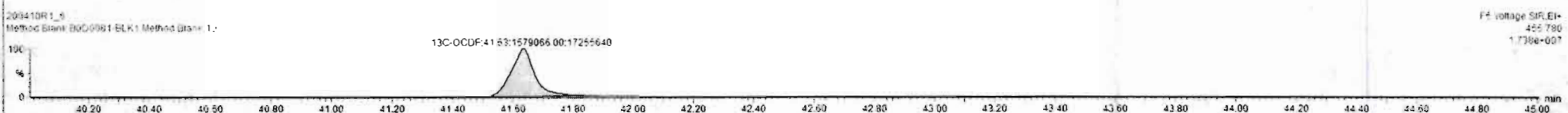
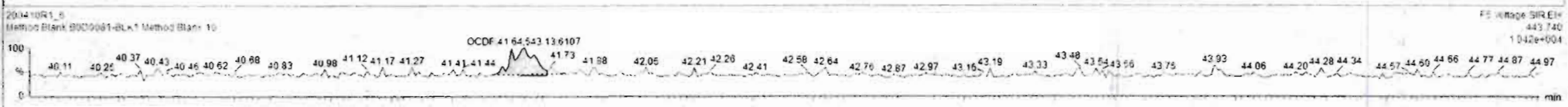
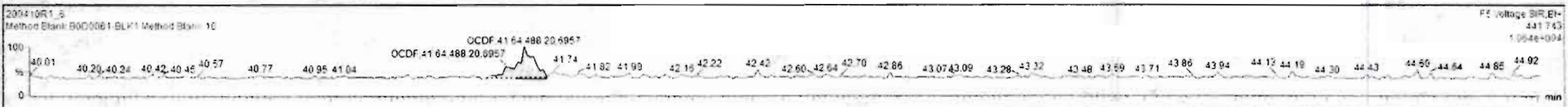
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Last Altered: Monday, April 13, 2020 07:46:58 Pacific Daylight Time
Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-BLK1 Method Blank 10, Description: Method Blank



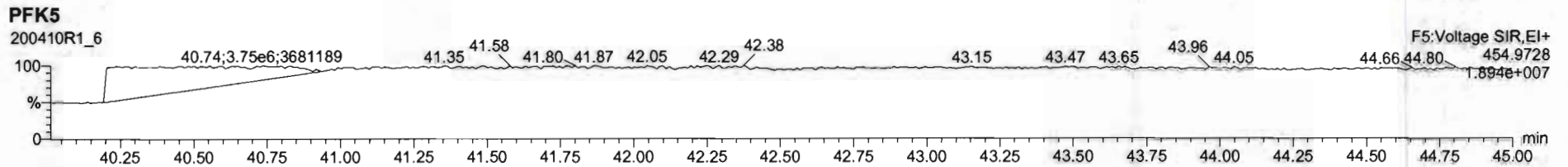
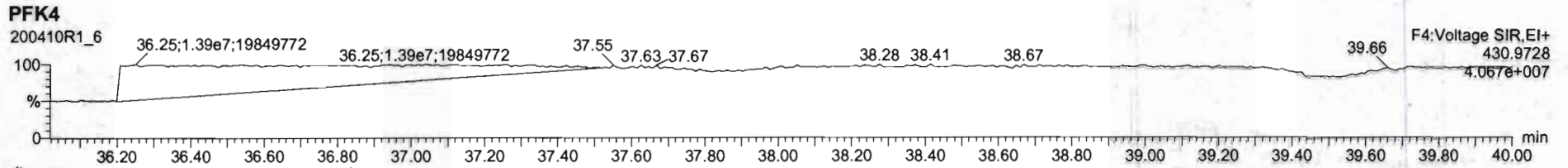
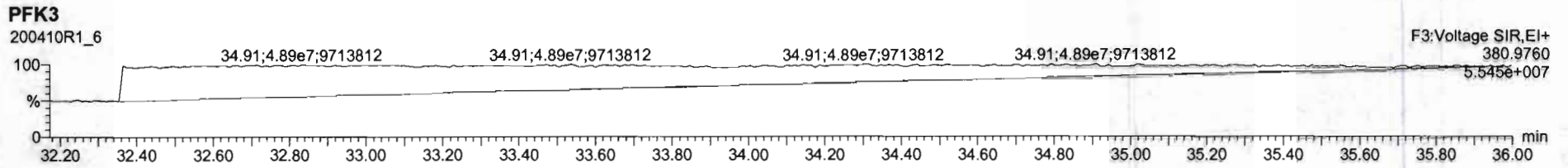
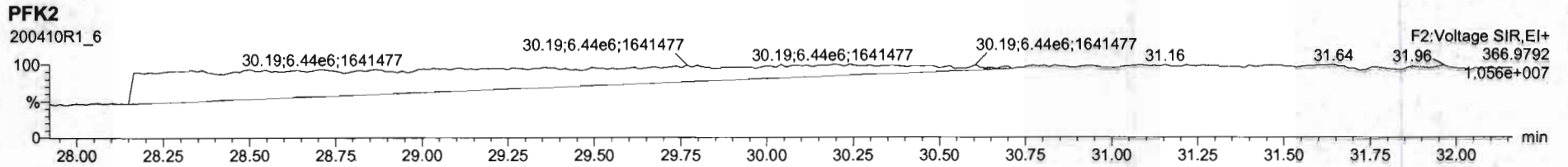
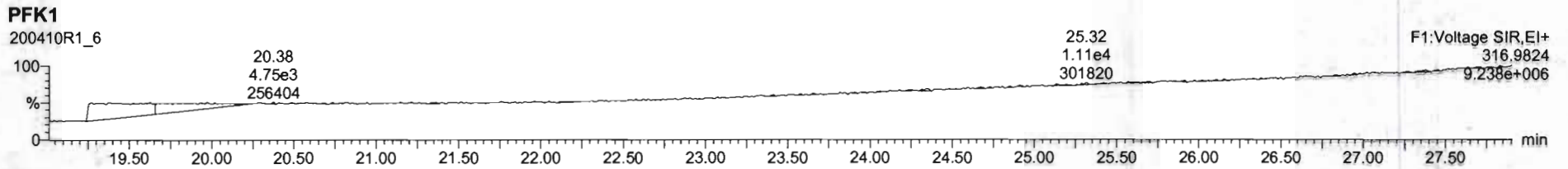
Sl	Name	Resp	RA	nY	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.9835	10.000					0.0585	
2	1,2,3,7,8-PeCDD			NO	0.9212	10.000					0.0626	
3	1,2,3,4,7,8-HxCDD			NO	1.1325	10.000					0.0754	
4	1,2,3,6,7,8-HxCDD			NO	0.9844	10.000					0.0762	
5	1,2,3,7,8,9-HxCDD			NO	0.9674	10.000					0.0695	
6	1,2,3,4,6,7,8-HpCDD	5.52e2	0.29	YES	1.0061	10.000	36.38	1.000	0.125		0.0874	0.0557
7	OCDD	3.16e3	0.88	NO	1.0515	10.000	41.47	1.000	0.462		0.0802	0.482
8	2,3,7,8-TCDF			NO	0.9154	10.000					0.0367	
9	1,2,3,7,8-PeCDF			NO	0.9554	10.000					0.0454	
10	2,3,4,7,8-PeCDF			NO	1.0025	10.000					0.0420	
11	1,2,3,4,7,8-HxCDF			NO	1.0381	10.000					0.0356	
12	1,2,3,6,7,8-HxCDF			NO	1.0126	10.000					0.0348	
13	2,3,4,6,7,8-HxCDF			NO	1.0920	10.000					0.0254	
14	1,2,3,7,8,9-HxCDF			NO	1.0288	10.000					0.0569	
15	1,2,3,4,6,7,8-HpCDF			NO	1.0482	10.000					0.0421	
16	1,2,3,4,7,8,9-HpCDF			NO	1.2059	10.000					0.0554	
17	OCDF	1.03e3	0.90	NO	0.9468	10.000	41.64	1.000	0.144		0.0680	0.144
18	13C-2,3,7,8-TCDD	2.61e6	0.75	NO	1.1842	10.000	25.76	1.025	174	87.2	0.181	
19	13C-1,2,3,7,8-PeCDD	2.03e6	0.83	NO	0.8644	10.000	31.14	1.244	185	92.7	0.224	
20	13C-1,2,3,4,7,8-HxCDD	1.57e6	1.27	NO	0.7539	10.000	24.57	1.014	168	94.0	0.340	
21	13C-1,2,3,6,7,8-HxCDD	1.92e6	1.27	NO	0.9254	10.000	24.68	1.017	168	94.2	0.277	



Dataset: Untitled

Last Altered: Monday, April 13, 2020 07:46:58 Pacific Daylight Time
Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

Name: 200410R1_6, Date: 10-Apr-2020, Time: 13:26:16, ID: B0D0081-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG12.PRO\Results\200410R1\200410R1-3.qld

Last Altered: Tuesday, April 14, 2020 07:36:01 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 07:36:18 Pacific Daylight Time

GRB 04/14/2020

C1 04/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R1_3, Date: 10-Apr-2020, Time: 11:04:09, ID: B0D0081-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.13e5	0.75	NO	0.983	10.000	25.796	25.80	1.001	1.001	17.658		0.0557	17.7
2	2 1,2,3,7,8-PeCDD	8.03e5	0.61	NO	0.921	10.000	31.162	31.16	1.001	1.000	93.339		0.121	93.3
3	3 1,2,3,4,7,8-HxCDD	7.23e5	1.21	NO	1.13	10.000	34.579	34.58	1.000	1.000	95.421		0.110	95.4
4	4 1,2,3,6,7,8-HxCDD	7.83e5	1.20	NO	0.984	10.000	34.665	34.69	1.000	1.001	89.471		0.114	89.5
5	5 1,2,3,7,8,9-HxCDD	6.80e5	1.23	NO	0.967	10.000	34.952	34.95	1.000	1.000	93.139		0.136	93.1
6	6 1,2,3,4,6,7,8-HpCDD	5.67e5	0.97	NO	1.01	10.000	38.383	38.38	1.000	1.000	86.723		0.309	86.7
7	7 OCDD	9.89e5	0.88	NO	1.05	10.000	41.460	41.47	1.000	1.000	173.87		0.247	174
8	8 2,3,7,8-TCDF	2.43e5	0.75	NO	0.915	10.000	24.772	24.78	1.001	1.001	16.555		0.0400	16.6
9	9 1,2,3,7,8-PeCDF	1.17e6	1.57	NO	0.959	10.000	29.788	29.78	1.001	1.001	91.026		0.108	91.0
10	10 2,3,4,7,8-PeCDF	1.21e6	1.55	NO	1.00	10.000	30.850	30.83	1.001	1.001	90.776		0.0993	90.8
11	11 1,2,3,4,7,8-HxCDF	8.05e5	1.20	NO	1.04	10.000	33.717	33.73	1.000	1.000	88.958		0.141	89.0
12	12 1,2,3,6,7,8-HxCDF	9.48e5	1.20	NO	1.01	10.000	33.844	33.85	1.000	1.000	89.049		0.133	89.0
13	13 2,3,4,6,7,8-HxCDF	8.73e5	1.20	NO	1.09	10.000	34.444	34.42	1.001	1.000	87.811		0.146	87.8
14	14 1,2,3,7,8,9-HxCDF	6.76e5	1.22	NO	1.03	10.000	35.272	35.29	1.000	1.001	85.259		0.219	85.3
15	15 1,2,3,4,6,7,8-HpCDF	5.91e5	1.00	NO	1.05	10.000	37.003	36.99	1.001	1.001	85.820		0.244	85.8
16	16 1,2,3,4,7,8,9-HpCDF	5.45e5	1.02	NO	1.21	10.000	39.021	39.03	1.000	1.000	89.100		0.298	89.1
17	17 OCDF	1.03e6	0.89	NO	0.947	10.000	41.641	41.65	1.000	1.000	172.76		0.227	173
18	18 13C-2,3,7,8-TCDD	2.46e6	0.79	NO	1.18	10.000	25.750	25.76	1.029	1.029	178.73	89.4	0.156	
19	19 13C-1,2,3,7,8-PeCDD	1.87e6	0.63	NO	0.864	10.000	30.937	31.14	1.236	1.244	186.13	93.1	0.294	
20	20 13C-1,2,3,4,7,8-HxCDD	1.34e6	1.27	NO	0.754	10.000	34.575	34.57	1.014	1.014	175.16	87.6	0.215	
21	21 13C-1,2,3,6,7,8-HxCDD	1.78e6	1.28	NO	0.925	10.000	34.684	34.67	1.017	1.017	189.75	94.9	0.175	
22	22 13C-1,2,3,7,8,9-HxCDD	1.51e6	1.23	NO	0.829	10.000	34.947	34.94	1.025	1.025	179.74	89.9	0.195	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.30e6	1.00	NO	0.598	10.000	38.418	38.37	1.127	1.125	214.42	107	0.409	
24	24 13C-OCDD	2.16e6	0.89	NO	0.571	10.000	41.579	41.46	1.219	1.216	374.01	93.5	0.444	
25	25 13C-2,3,7,8-TCDF	3.21e6	0.77	NO	1.09	10.000	24.772	24.75	0.990	0.989	166.94	83.5	0.235	
26	26 13C-1,2,3,7,8-PeCDF	2.69e6	1.58	NO	0.876	10.000	29.608	29.77	1.183	1.189	174.12	87.1	0.281	
27	27 13C-2,3,4,7,8-PeCDF	2.66e6	1.59	NO	0.844	10.000	30.619	30.82	1.223	1.231	178.53	89.3	0.292	
28	28 13C-1,2,3,4,7,8-HxCDF	1.74e6	0.51	NO	1.00	10.000	33.719	33.72	0.989	0.989	172.18	86.1	0.424	
29	29 13C-1,2,3,6,7,8-HxCDF	2.10e6	0.51	NO	1.12	10.000	33.828	33.83	0.992	0.992	185.70	92.8	0.379	
30	30 13C-2,3,4,6,7,8-HxCDF	1.82e6	0.51	NO	1.04	10.000	34.411	34.41	1.009	1.009	173.57	86.8	0.409	
31	31 13C-1,2,3,7,8,9-HxCDF	1.55e6	0.52	NO	0.873	10.000	35.288	35.27	1.035	1.034	174.73	87.4	0.485	

Dataset: U:\VG12.PRO\Results\200410R1\200410R1-3.qld

Last Altered: Tuesday, April 14, 2020 07:36:01 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 07:36:18 Pacific Daylight Time

Name: 200410R1_3, Date: 10-Apr-2020, Time: 11:04:09, ID: B0D0081-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	1.31e6	0.43	NO	0.771	10.000	37.010	36.97	1.085	1.084	168.32	84.2	0.366	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.01e6	0.46	NO	0.519	10.000	39.104	39.02	1.147	1.144	192.38	96.2	0.543	
34	34 13C-OCDF	2.53e6	0.87	NO	0.696	10.000	41.760	41.64	1.225	1.221	358.53	89.6	0.294	
35	35 37Cl-2,3,7,8-TCDD	9.55e5			1.17	10.000	25.760	25.80	1.029	1.030	70.088	87.6	0.0391	
36	36 13C-1,2,3,4-TCDD	2.32e6	0.80	NO	1.00	10.000	25.050	25.03	1.000	1.000	200.00	100	0.185	
37	37 13C-1,2,3,4-TCDF	3.53e6	0.78	NO	1.00	10.000	23.190	23.04	1.000	1.000	200.00	100	0.256	
38	38 13C-1,2,3,4,6,9-HxCDF	2.03e6	0.51	NO	1.00	10.000	34.040	34.10	1.000	1.000	200.00	100	0.424	

Dataset: Untitled

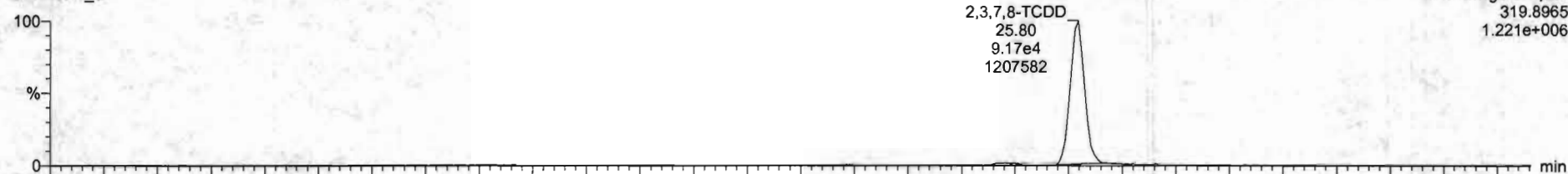
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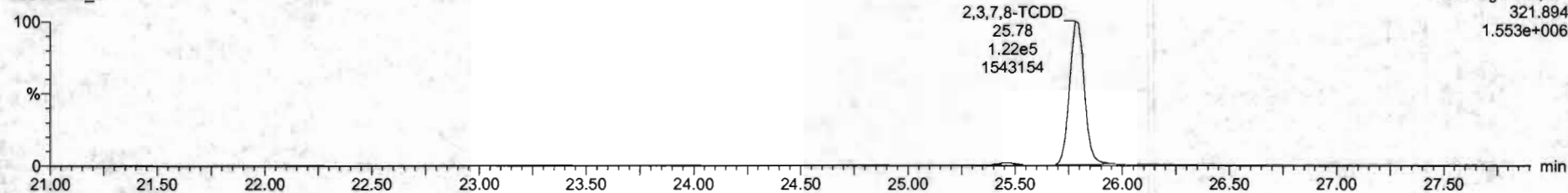
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2,3,7,8-TCDD

200410R1_3

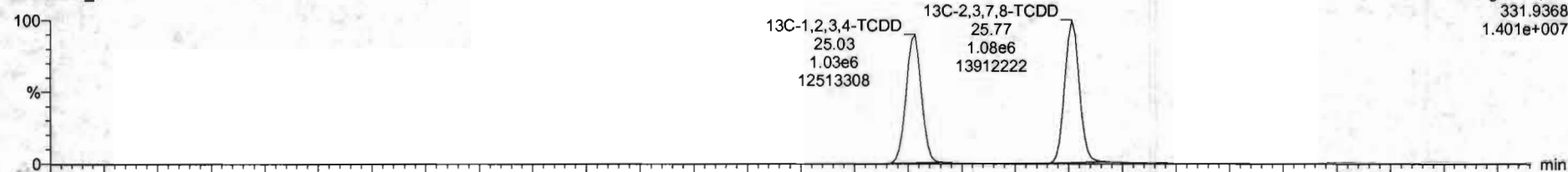


200410R1_3

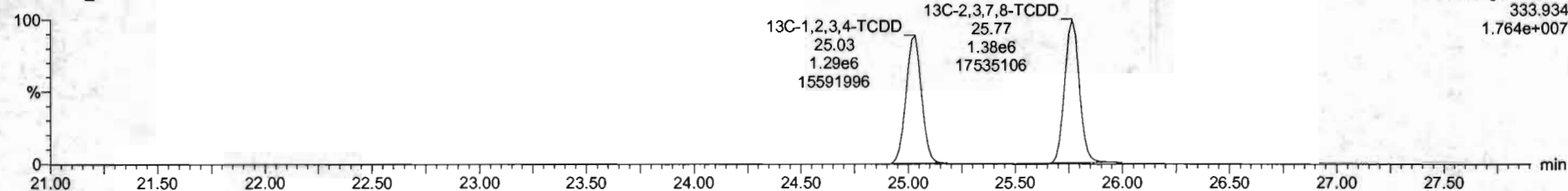


13C-2,3,7,8-TCDD

200410R1_3



200410R1_3



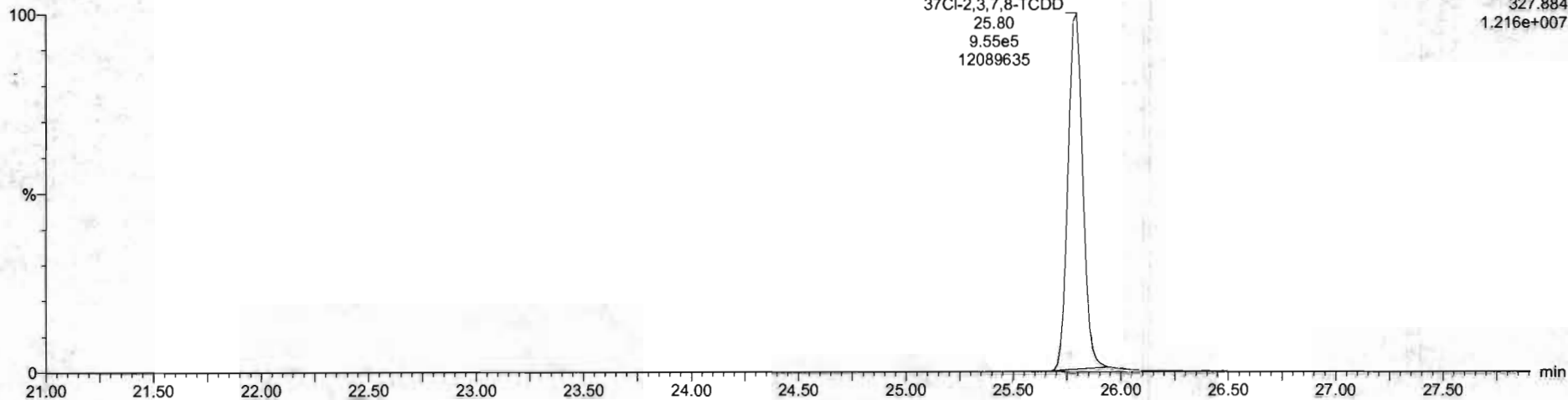
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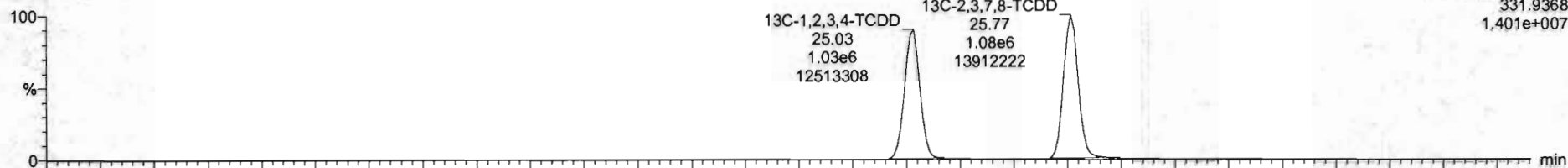
37Cl-2,3,7,8-TCDD

200410R1_3

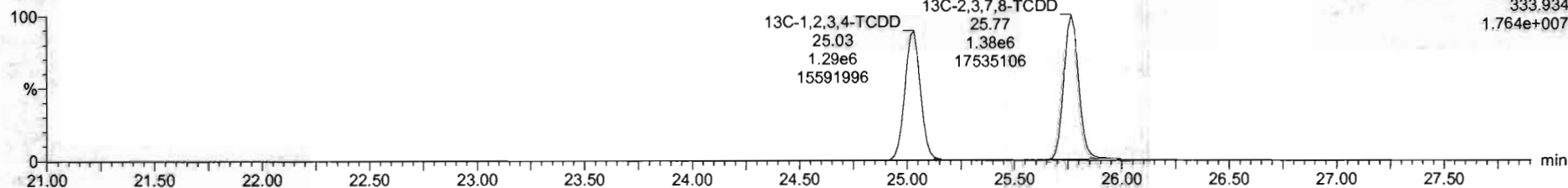


13C-1,2,3,4-TCDD

200410R1_3



200410R1_3



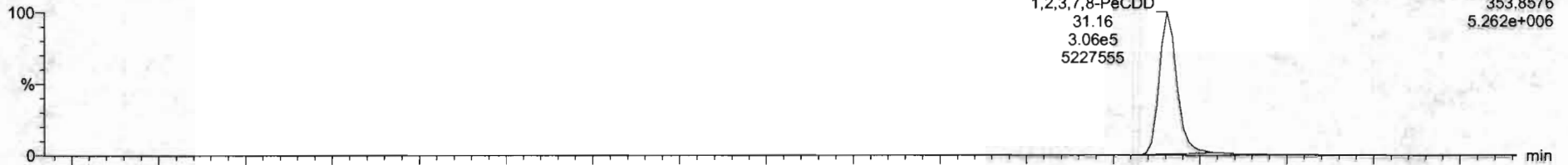
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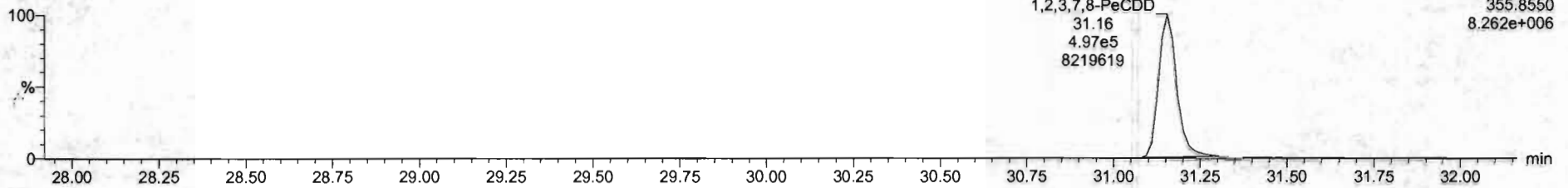
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1,2,3,7,8-PeCDD

200410R1_3

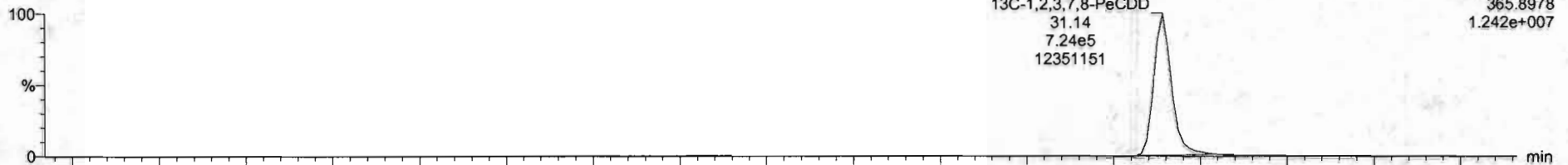


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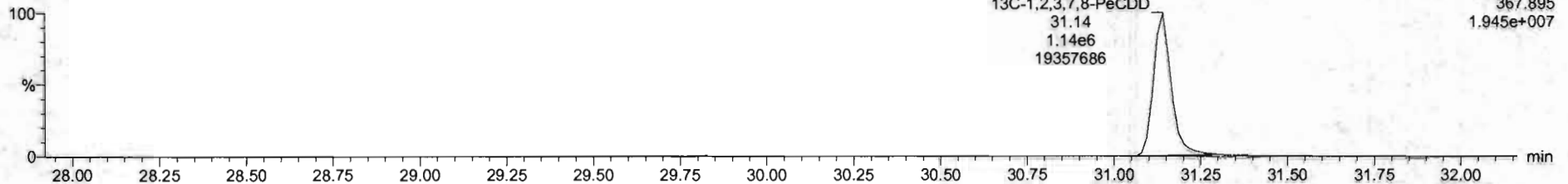


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200410R1_3



200410R1_3



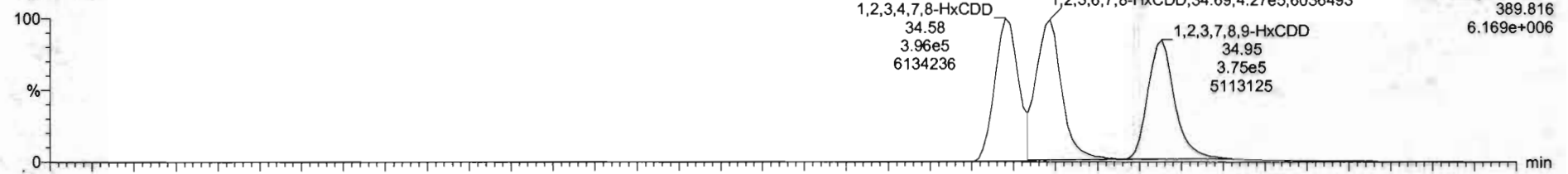
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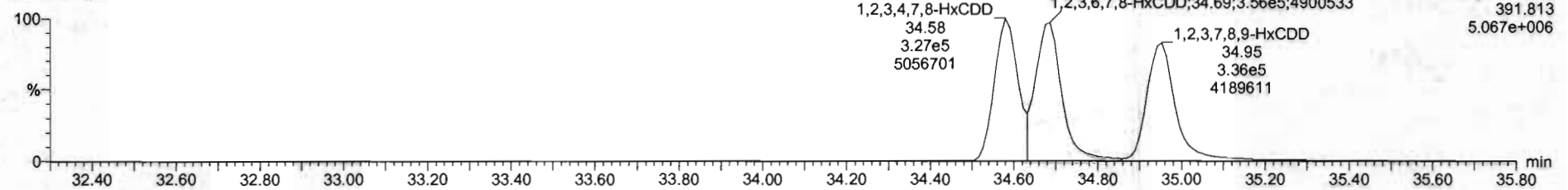
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1,2,3,4,7,8-HxCDD

200410R1_3

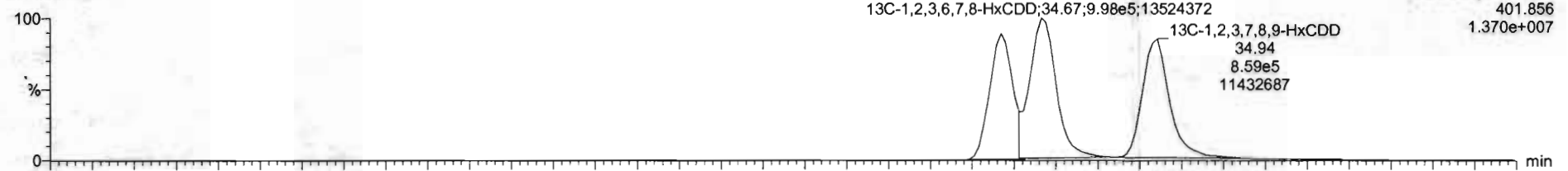


200410R1_3

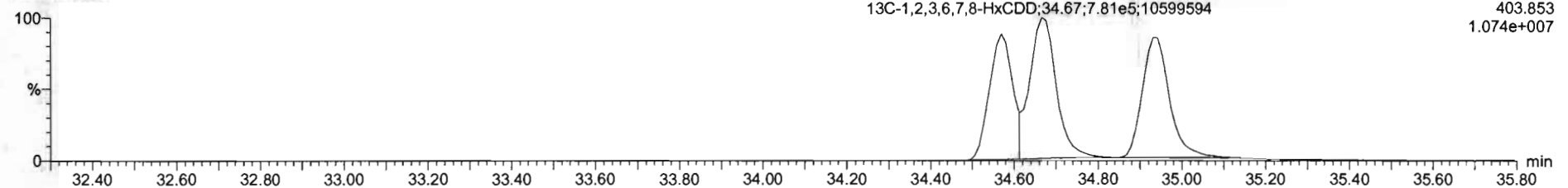


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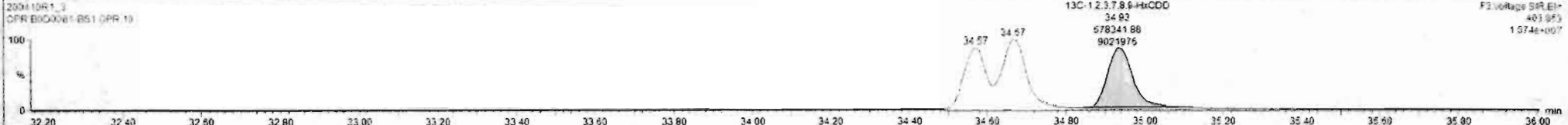
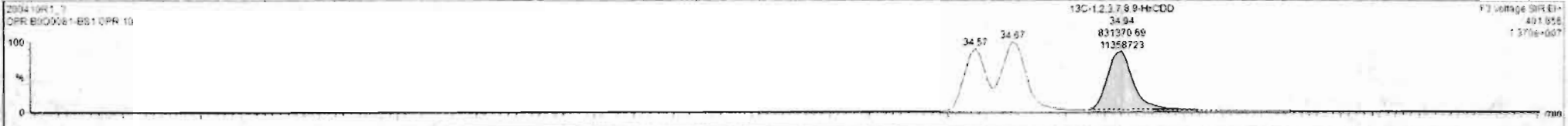
200410R1_3



200410R1_3



#	Name	Resp	RA	nly	RRF	wVvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.12e5	0.75	NO	0.9535	10.000	25.20	1.001	17.7		0.0557	17.7
2	1,2,3,7,8-PeCDD	8.03e5	0.81	NO	0.9212	10.000	31.16	1.000	92.3		0.121	93.3
3	1,2,3,4,7,8-HxCDD	7.23e5	1.21	NO	1.1325	10.000	34.58	1.000	95.4		0.110	95.4
4	1,2,3,6,7,8-HxCDD	7.83e5	1.20	NO	0.9844	10.000	34.69	1.001	89.5		0.114	89.5
5	1,2,3,7,8,9-HxCDD	6.86e5	1.23	NO	0.9674	10.000	34.95	1.000	93.1		0.130	93.1
6	1,2,3,4,6,7,8-HxCDD	5.67e5	0.97	NO	1.0361	10.000	38.35	1.000	86.7		0.309	86.7
7	OCDD	9.89e5	0.88	NO	1.0515	10.000	41.47	1.000	174		0.247	174
8	2,3,7,8-TCDF	2.43e5	0.75	NO	0.9154	10.000	24.78	1.001	16.6		0.0400	16.6
9	1,2,3,7,8-PeCDF	1.17e6	1.57	NO	0.9594	10.000	29.78	1.001	51.0		0.108	91.0
10	2,3,4,7,8-PeCDF	1.21e6	1.55	NO	1.0025	10.000	30.82	1.001	90.8		0.0993	90.8
11	1,2,3,4,7,8-HxCDF	6.05e5	1.20	NO	1.0381	10.000	33.73	1.000	59.0		0.141	59.0
12	1,2,3,6,7,8-HxCDF	9.48e5	1.20	NO	1.0126	10.000	33.65	1.000	89.0		0.133	89.0
13	2,3,4,6,7,8-HxCDF	8.84e5	1.17	NO	1.0920	10.000	34.42	1.000	88.0		0.146	88.0
14	1,2,3,7,8,9-HxCDF	6.76e5	1.22	NO	1.0268	10.000	35.29	1.001	85.3		0.219	85.3
15	1,2,3,4,6,7,8-HxCDF	5.91e5	1.00	NO	1.0482	10.000	36.95	1.001	85.8		0.244	85.8



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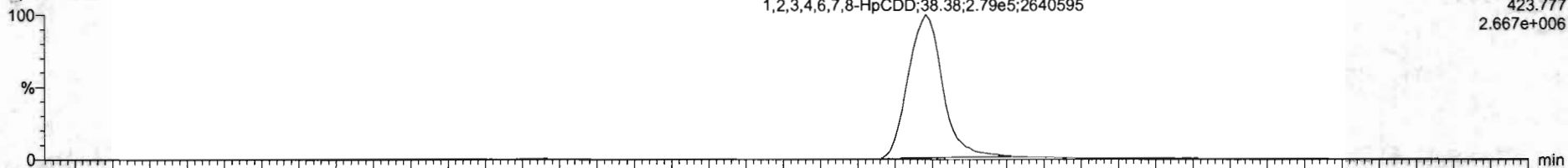
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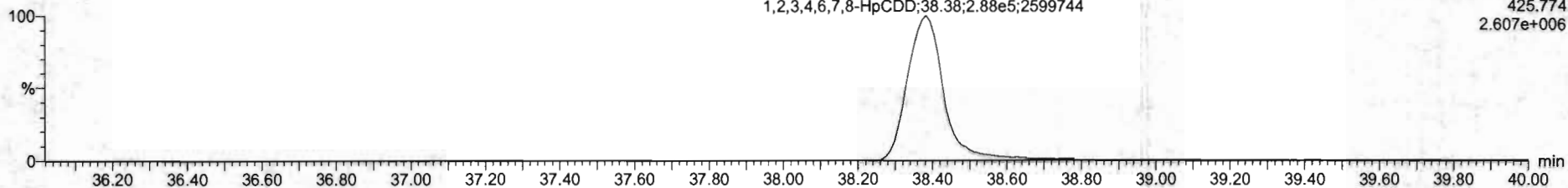
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1,2,3,4,6,7,8-HpCDD

200410R1_3

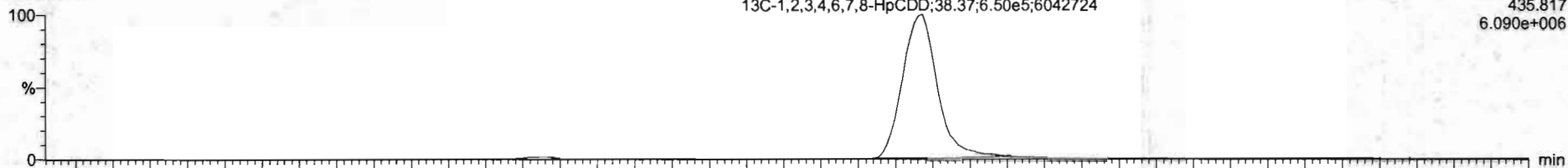


200410R1_3

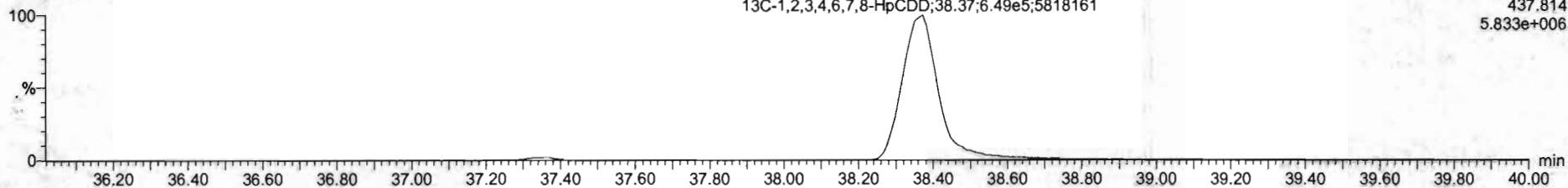


13C-1,2,3,4,6,7,8-HpCDD

200410R1_3



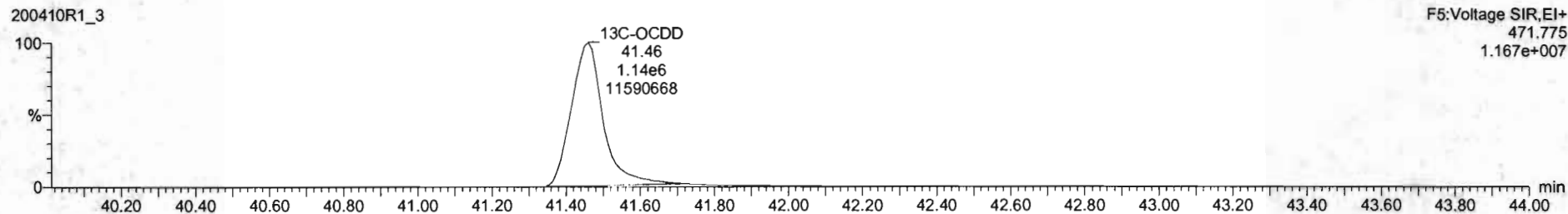
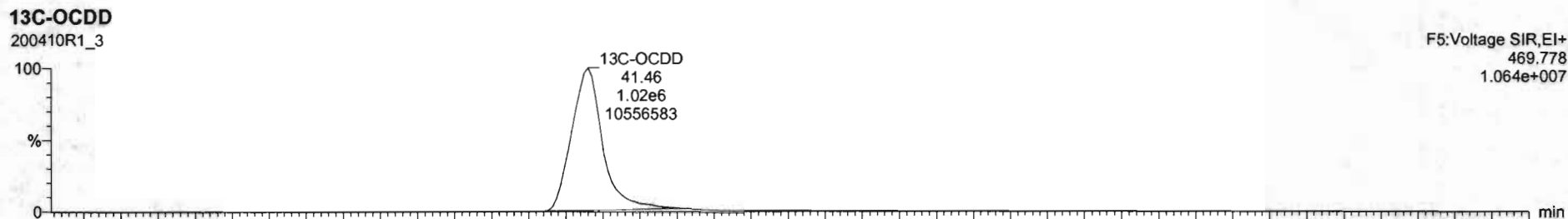
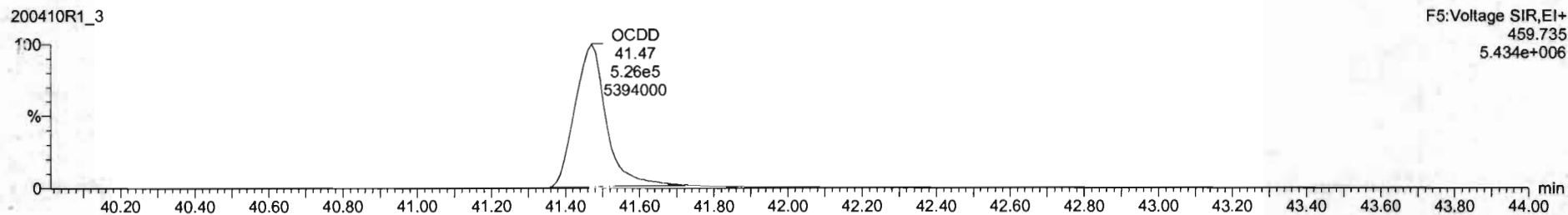
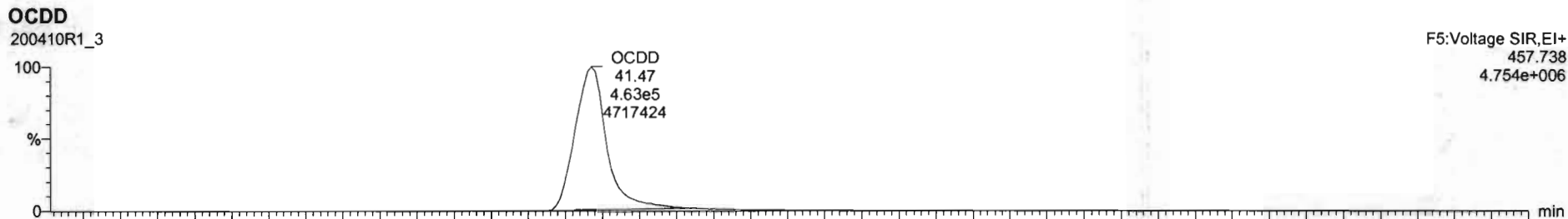
200410R1_3



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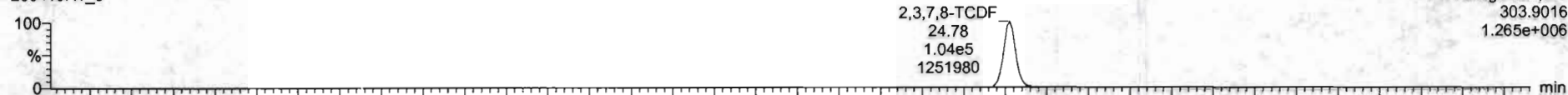
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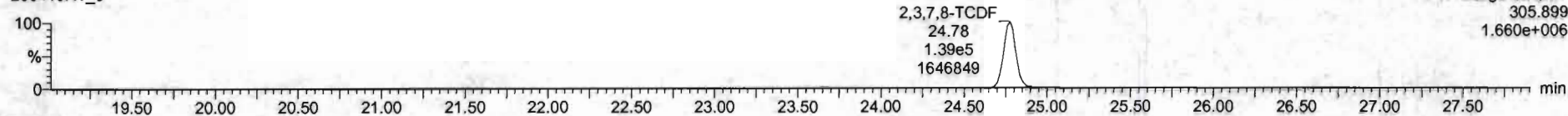
2,3,7,8-TCDF

200410R1_3



F1:Voltage SIR,EI+
303.9016
1.265e+006

200410R1_3



F1:Voltage SIR,EI+
305.899
1.660e+006

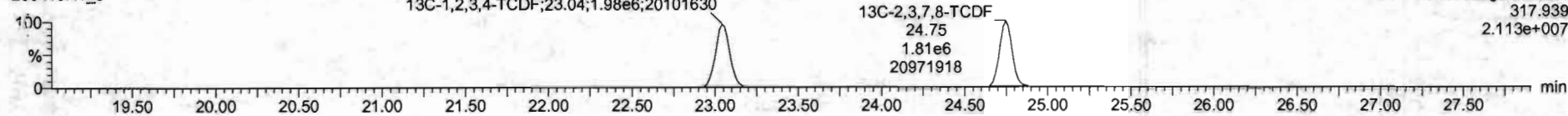
13C-2,3,7,8-TCDF

200410R1_3



F1:Voltage SIR,EI+
315.9419
1.660e+007

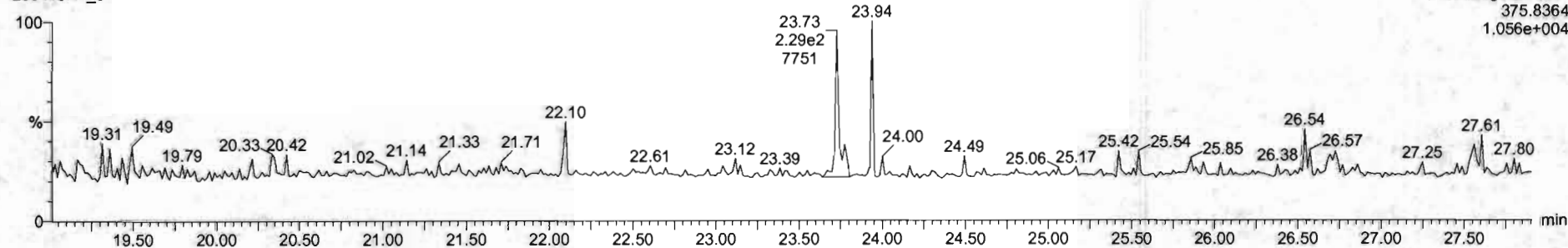
200410R1_3



F1:Voltage SIR,EI+
317.939
2.113e+007

DPE1

200410R1_3



F1:Voltage SIR,EI+
375.8364
1.056e+004

Dataset: Untitled

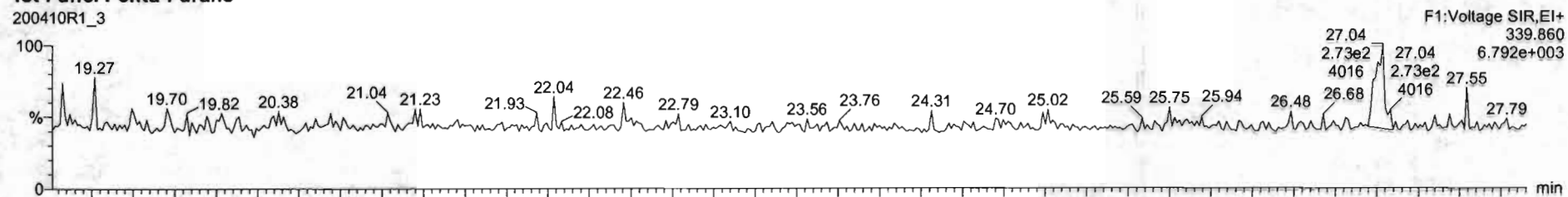
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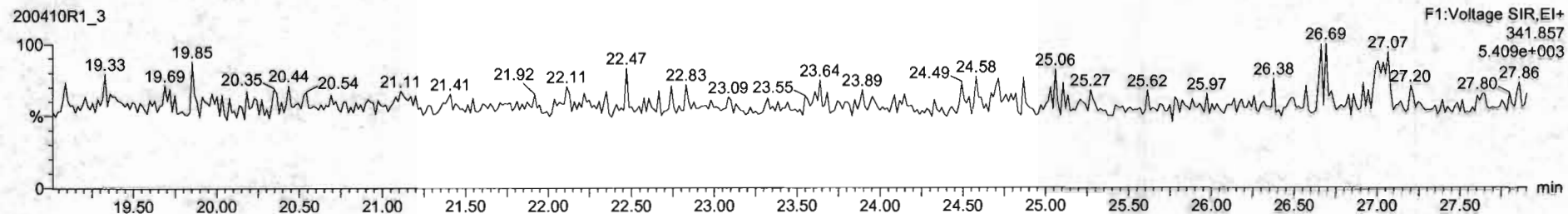
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200410R1_3

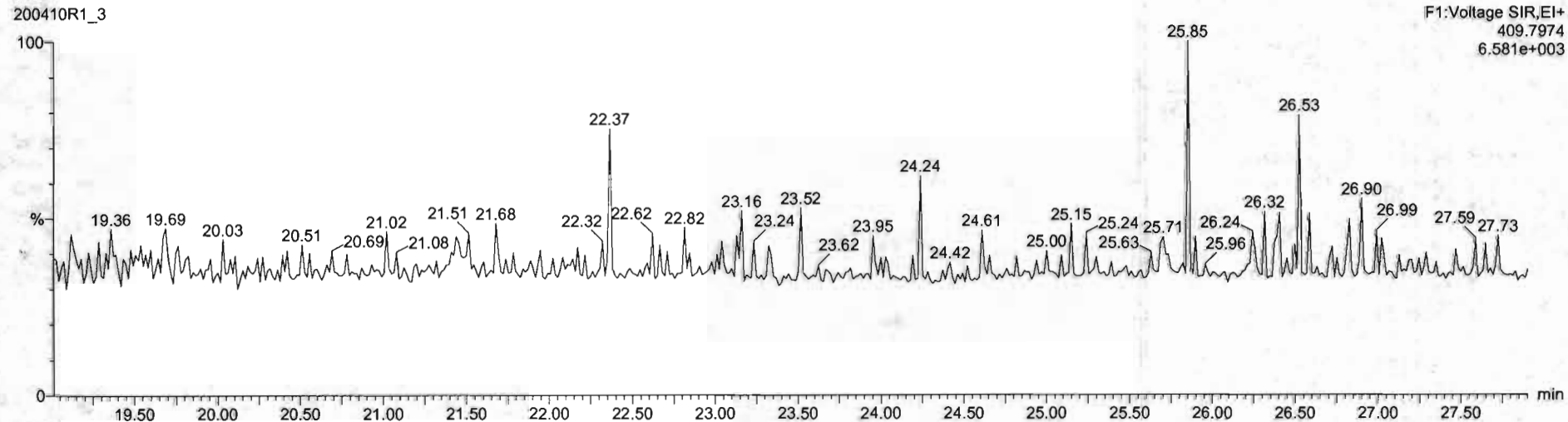


200410R1_3



DPE6

200410R1_3



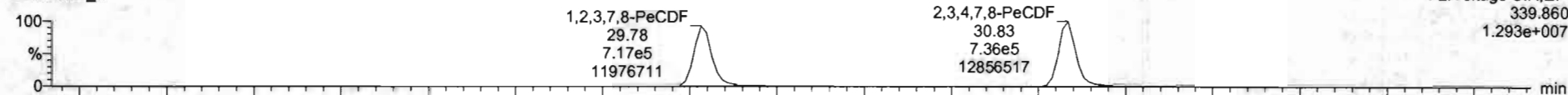
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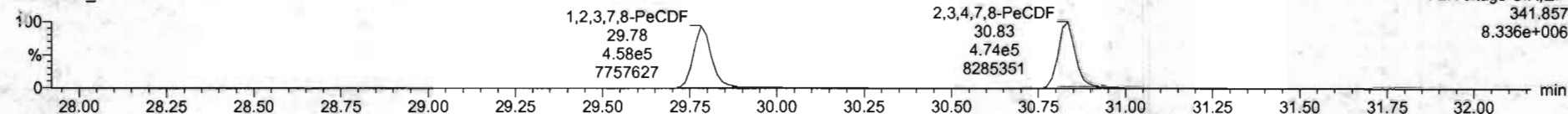
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1,2,3,7,8-PeCDF

200410R1_3

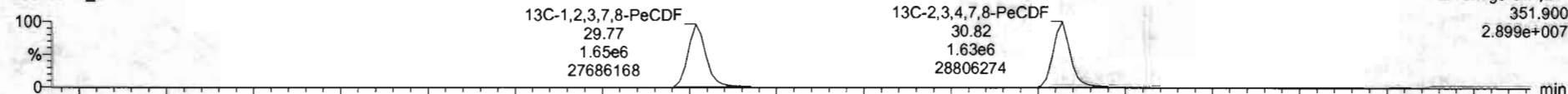


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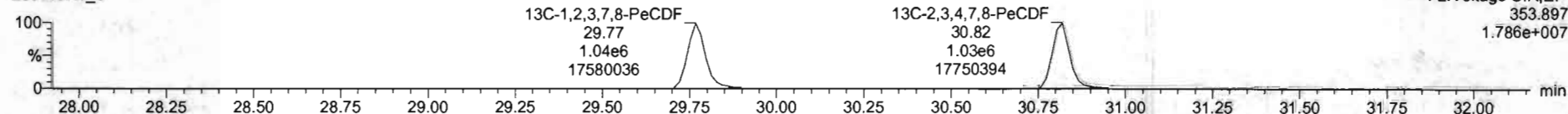


13C-1,2,3,7,8-PeCDF

200410R1_3

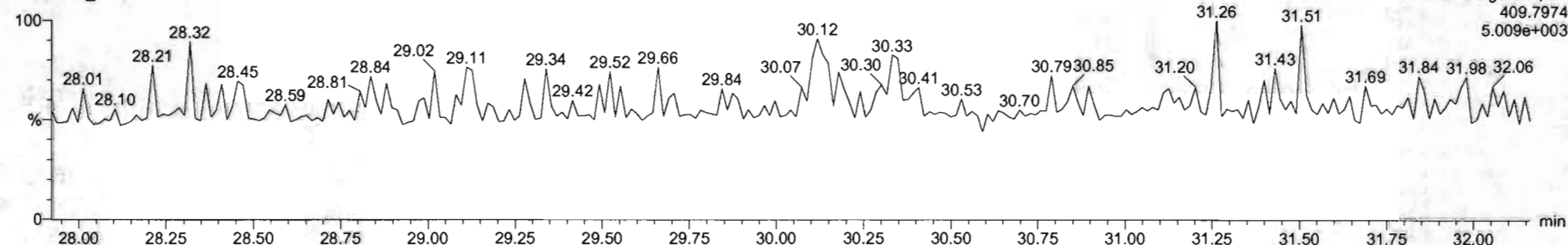


200410R1_3



DPE2

200410R1_3



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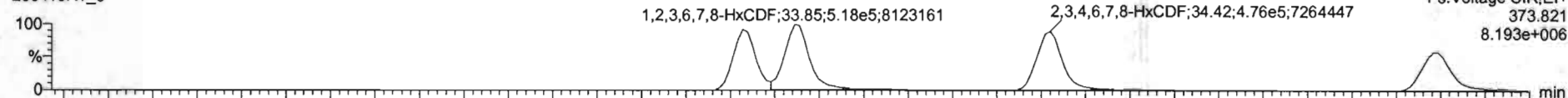
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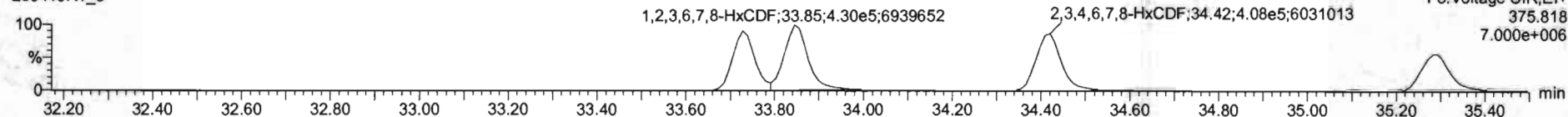
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1,2,3,4,7,8-HxCDF

200410R1_3

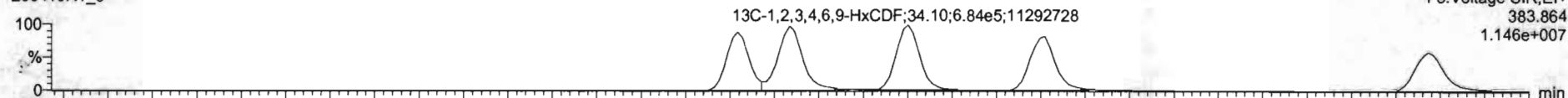


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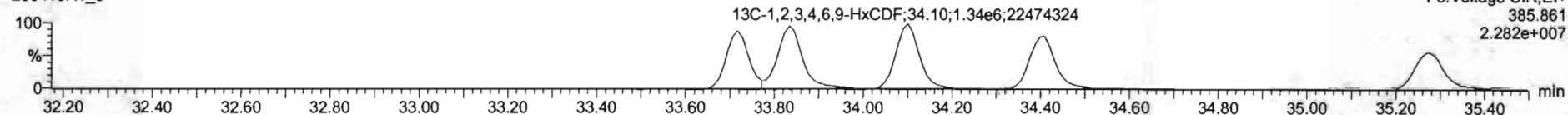


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200410R1_3

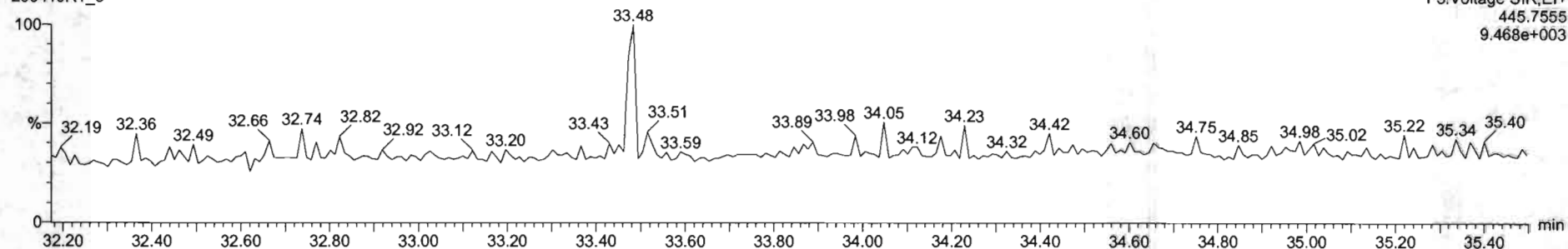


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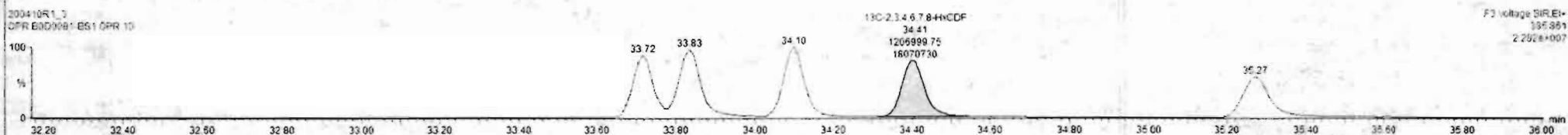
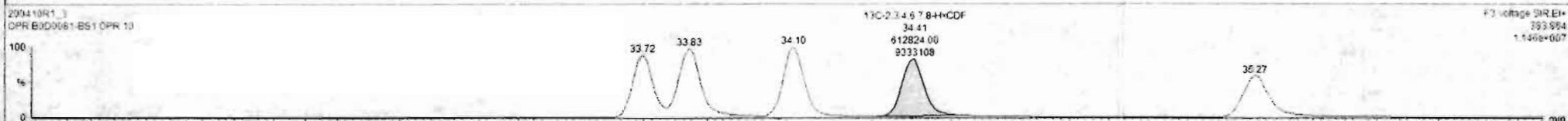
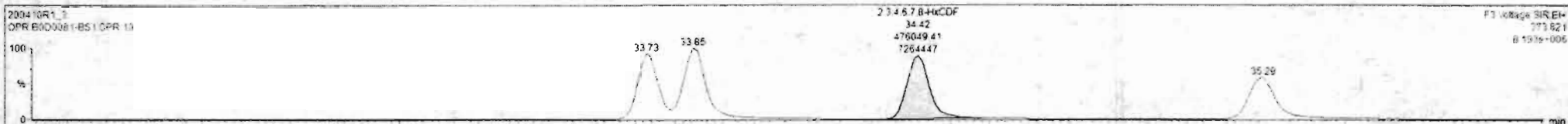


DPE3

200410R1_3



#	Name	Resp	RA	ndy	RRF	WdVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.13e5	0.75	NO	0.9835	10.000	25.80	1.001	17.7	0.0557	17.7	
2	1,2,3,7,8-PeCDD	8.03e5	0.81	NO	0.9212	10.000	31.16	1.000	93.3	0.121	93.3	
3	1,2,3,4,7,8-HxCDD	7.22e5	1.21	NO	1.1325	10.000	34.58	1.000	95.4	0.110	95.4	
4	1,2,3,6,7,8-HxCDD	7.82e5	1.20	NO	0.9844	10.000	24.69	1.001	59.5	0.114	89.5	
5	1,2,3,7,8,9-HxCDD	5.80e5	1.23	NO	0.9574	10.000	34.95	1.000	93.1	0.136	93.1	
6	1,2,3,4,6,7,8-HpCDD	5.67e5	0.97	NO	1.0061	10.000	36.38	1.000	86.7	0.309	86.7	
7	OCDD	9.89e5	0.88	NO	1.0515	10.000	41.47	1.000	174	0.247	174	
8	2,3,7,8-TCDF	2.43e5	0.75	NO	0.9154	10.000	24.78	1.001	16.6	0.0400	16.6	
9	1,2,3,7,8-PeCDF	1.17e6	1.57	NO	0.9594	10.000	29.78	1.001	91.0	0.105	91.0	
10	2,3,4,7,8-PeCDF	1.21e6	1.55	NO	1.0025	10.000	30.83	1.001	96.9	0.0993	96.8	
11	1,2,3,4,7,8-HxCDF	8.05e5	1.20	NO	1.0381	10.000	33.73	1.000	59.0	0.141	88.0	
12	1,2,3,6,7,8-HxCDF	9.46e5	1.20	NO	1.0128	10.000	32.85	1.000	59.0	0.133	69.0	
13	2,3,4,6,7,8-HxCDF	8.73e5	1.20	NO	1.0920	10.000	34.42	1.000	87.8	0.146	87.8	
14	1,2,3,7,8,9-HxCDF	6.78e5	1.22	NO	1.0258	10.000	35.29	1.001	85.3	0.219	85.3	
15	1,2,3,4,6,7,8-HpCDF	5.91e5	1.00	NO	1.0483	10.000	36.99	1.001	85.2	0.244	85.2	



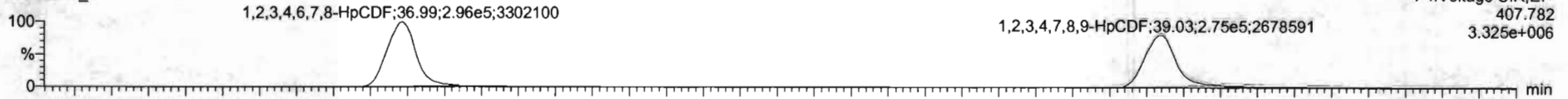
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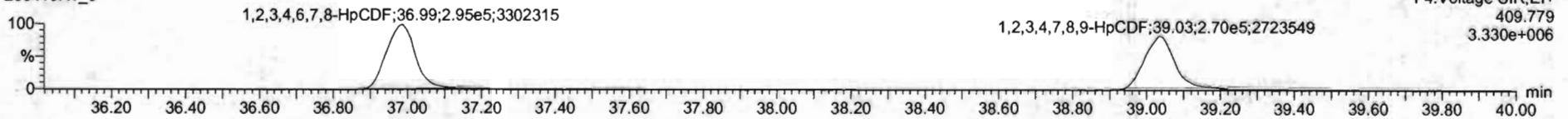
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1,2,3,4,6,7,8-HpCDF

200410R1_3



200410R1_3

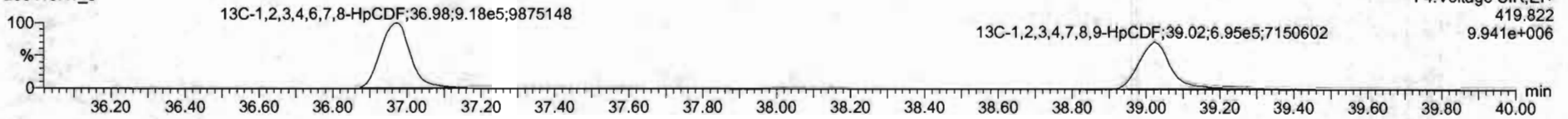


13C-1,2,3,4,6,7,8-HpCDF

200410R1_3

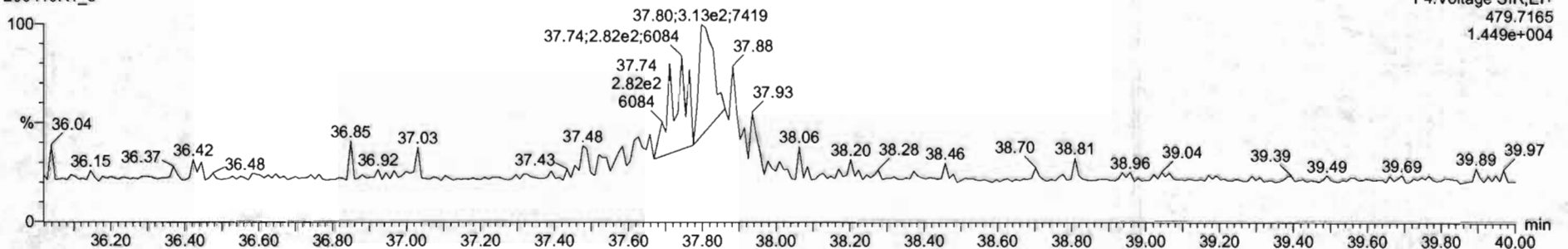


200410R1_3



DPE4

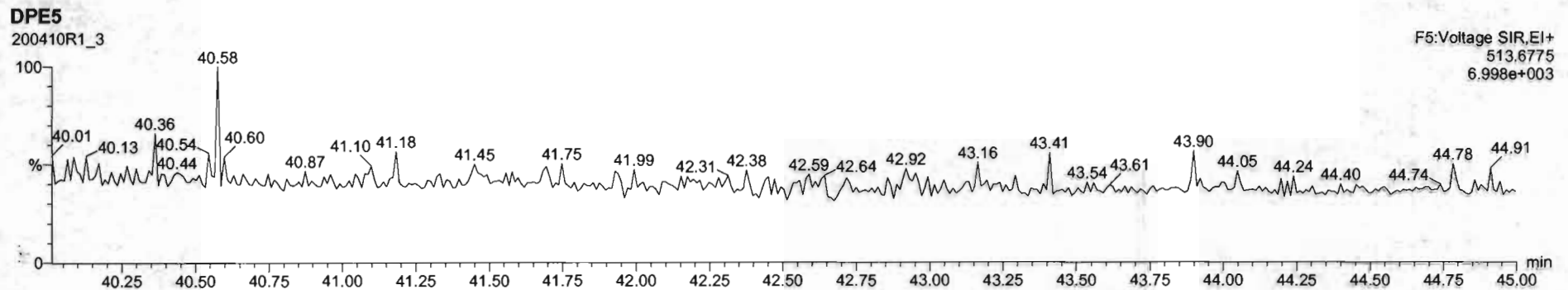
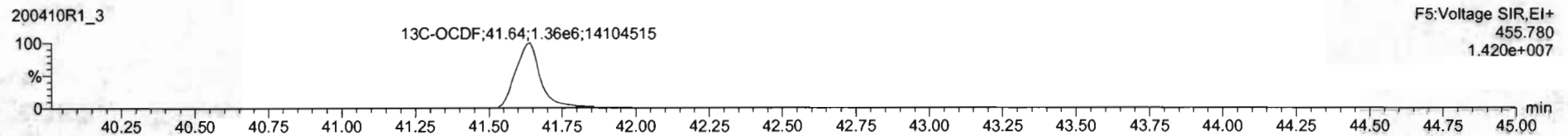
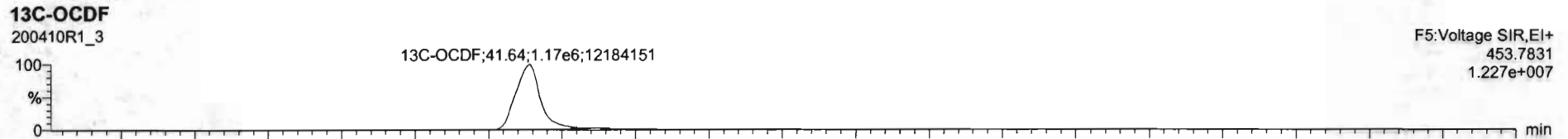
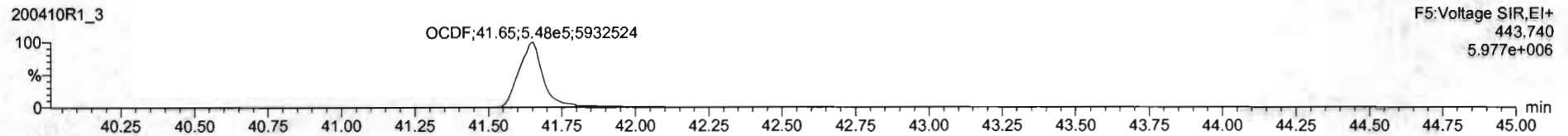
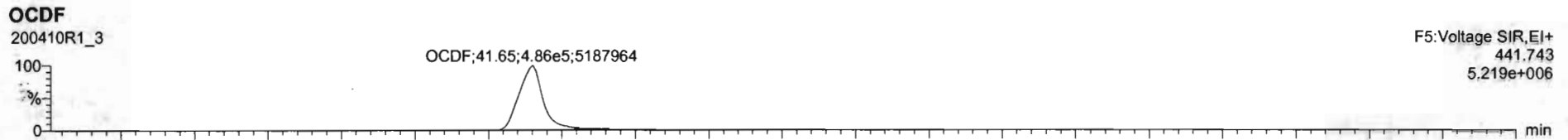
200410R1_3



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Last Altered: Monday, April 13, 2020 07:46:58 Pacific Daylight Time
Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

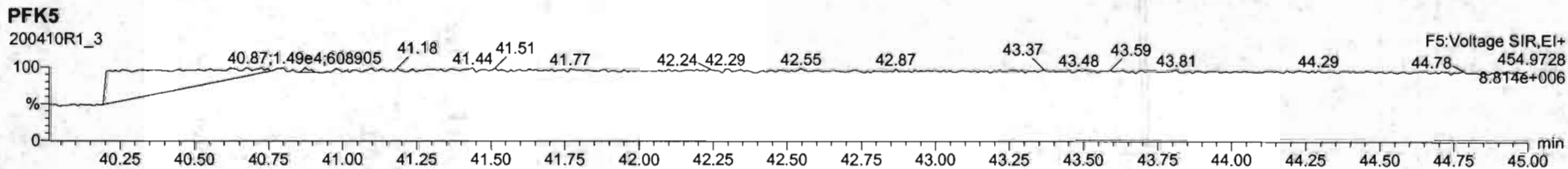
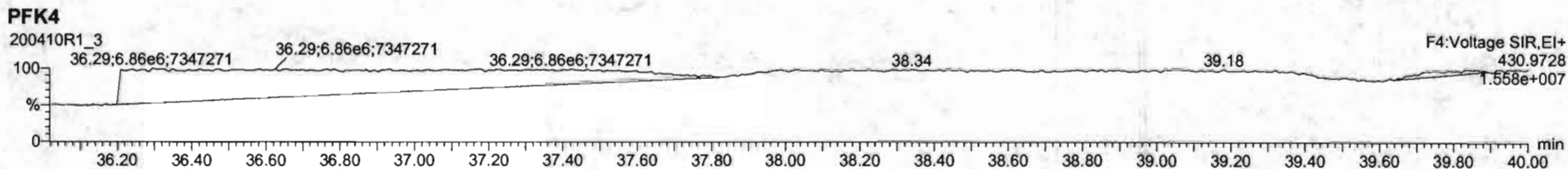
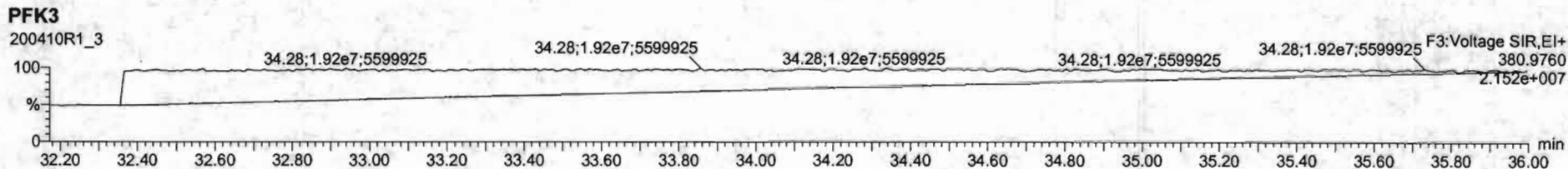
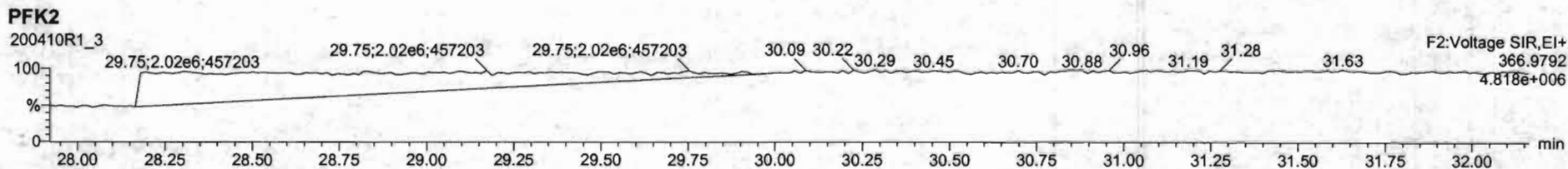
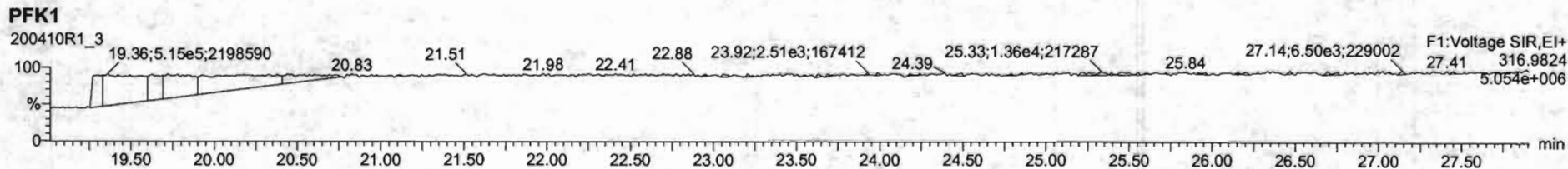
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Last Altered: Monday, April 13, 2020 07:46:58 Pacific Daylight Time
Printed: Monday, April 13, 2020 07:47:02 Pacific Daylight Time

Name: 200410R1_3, Date: 10-Apr-2020, Time: 11:04:09, ID: B0D0081-BS1 OPR 10, Description: OPR



Dataset: U:\VG12.PRO\Results\200410R2\200410R2-7.qld

Last Altered: Tuesday, April 14, 2020 09:20:45 Pacific Daylight Time
Printed: Tuesday, April 14, 2020 09:21:20 Pacific Daylight Time

GRB 04/14/2020

C7 04/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

#	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	1.62e3	0.19	YES	0.983	10.002	25.781	25.75	1.001	1.000	0.13237		0.0280	0.0495
2	2 1,2,3,7,8-PeCDD	4.70e2	0.65	NO	0.921	10.002	31.162	31.14	1.001	1.000	0.056084		0.0496	0.0561
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.002	34.579		1.000				0.0559	
4	4 1,2,3,6,7,8-HxCDD	7.96e2	1.40	NO	0.984	10.002	34.665	34.69	1.000	1.001	0.097596		0.0582	0.0976
5	5 1,2,3,7,8,9-HxCDD	1.06e3	1.31	NO	0.967	10.002	34.941	34.94	1.000	1.000	0.15075		0.0695	0.151
6	6 1,2,3,4,6,7,8-HpCDD	4.20e3	1.14	NO	1.01	10.002	38.383	38.38	1.000	1.000	0.74370		0.0980	0.744
7	7 OCDD	2.25e4	0.87	NO	1.05	10.002	41.471	41.47	1.000	1.000	4.8520		0.106	4.85
8	8 2,3,7,8-TCDF	9.63e2	1.03	YES	0.915	10.002	24.757	24.76	1.001	1.001	0.058521		0.0492	0.0597
9	9 1,2,3,7,8-PeCDF	8.33e2	1.64	NO	0.959	10.002	29.788	29.78	1.001	1.001	0.065368		0.0598	0.0654
10	10 2,3,4,7,8-PeCDF	1.06e3	1.66	NO	1.00	10.002	30.835	30.82	1.001	1.001	0.083436		0.0589	0.0834
11	11 1,2,3,4,7,8-HxCDF	8.90e2	1.15	NO	1.04	10.002	33.717	33.72	1.000	1.000	0.10223		0.0298	0.102
12	12 1,2,3,6,7,8-HxCDF	7.38e2	1.23	NO	1.01	10.002	33.844	33.83	1.000	1.000	0.075401		0.0294	0.0754
13	13 2,3,4,6,7,8-HxCDF	6.15e2	1.21	NO	1.09	10.002	34.433	34.41	1.001	1.000	0.067400		0.0327	0.0674
14	14 1,2,3,7,8,9-HxCDF			NO	1.03	10.002	35.272		1.000				0.0479	
15	15 1,2,3,4,6,7,8-HpCDF	2.74e3	0.96	NO	1.05	10.002	37.013	36.97	1.001	1.000	0.43796		0.0796	0.438
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.002	39.042		1.000				0.100	
17	17 OCDF	2.57e3	0.93	NO	0.947	10.002	41.641	41.67	1.000	1.001	0.56496		0.0721	0.565
18	18 13C-2,3,7,8-TCDD	2.49e6	0.78	NO	1.18	10.002	25.720	25.75	1.029	1.030	179.19	89.6	0.138	
19	19 13C-1,2,3,7,8-PeCDD	1.82e6	0.63	NO	0.864	10.002	30.900	31.14	1.236	1.246	179.71	89.9	0.196	
20	20 13C-1,2,3,4,7,8-HxCDD	1.29e6	1.26	NO	0.754	10.002	34.575	34.57	1.014	1.014	162.24	81.1	0.268	
21	21 13C-1,2,3,6,7,8-HxCDD	1.66e6	1.27	NO	0.925	10.002	34.684	34.67	1.017	1.017	169.41	84.7	0.218	
22	22 13C-1,2,3,7,8,9-HxCDD	1.45e6	1.26	NO	0.829	10.002	34.947	34.93	1.025	1.024	165.36	82.7	0.243	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.12e6	1.06	NO	0.598	10.002	38.418	38.37	1.127	1.125	177.43	88.7	0.419	
24	24 13C-OCDD	1.76e6	0.89	NO	0.571	10.002	41.579	41.47	1.219	1.216	291.57	72.9	0.285	
25	25 13C-2,3,7,8-TCDF	3.07e6	0.77	NO	1.09	10.002	24.742	24.73	0.990	0.989	164.56	82.3	0.200	
26	26 13C-1,2,3,7,8-PeCDF	2.65e6	1.58	NO	0.876	10.002	29.572	29.77	1.183	1.191	176.89	88.5	0.358	
27	27 13C-2,3,4,7,8-PeCDF	2.53e6	1.58	NO	0.844	10.002	30.582	30.80	1.223	1.232	174.82	87.4	0.372	
28	28 13C-1,2,3,4,7,8-HxCDF	1.68e6	0.51	NO	1.00	10.002	33.719	33.72	0.989	0.989	158.61	79.3	0.257	
29	29 13C-1,2,3,6,7,8-HxCDF	1.93e6	0.51	NO	1.12	10.002	33.828	33.83	0.992	0.992	163.67	81.9	0.230	
30	30 13C-2,3,4,6,7,8-HxCDF	1.67e6	0.51	NO	1.04	10.002	34.411	34.40	1.009	1.009	152.62	76.3	0.248	
31	31 13C-1,2,3,7,8,9-HxCDF	1.47e6	0.50	NO	0.873	10.002	35.288	35.27	1.035	1.034	159.61	79.8	0.294	

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-7.qld

Last Altered: Tuesday, April 14, 2020 09:20:45 Pacific Daylight Time
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Name: 200410R2_7, Date: 14-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.20e6	0.43	NO	0.771	10.002	37.010	36.98	1.085	1.084	146.74	73.4	0.323	
33	13C-1,2,3,4,7,8,9-HpCDF	8.57e5	0.43	NO	0.519	10.002	39.104	39.04	1.147	1.145	156.10	78.1	0.479	
34	13C-OCDF	1.92e6	0.87	NO	0.696	10.002	41.760	41.64	1.225	1.221	261.51	65.4	0.238	
35	37Cl-2,3,7,8-TCDD	9.95e5			1.17	10.002	25.730	25.78	1.029	1.031	72.271	90.4	0.0388	
36	13C-1,2,3,4-TCDD	2.34e6	0.79	NO	1.00	10.002	25.050	25.00	1.000	1.000	199.96	100	0.164	
37	13C-1,2,3,4-TCDF	3.42e6	0.78	NO	1.00	10.002	23.190	23.03	1.000	1.000	199.96	100	0.217	
38	13C-1,2,3,4,6,9-HxCDF	2.11e6	0.51	NO	1.00	10.002	34.040	34.10	1.000	1.000	199.96	100	0.257	
39	Total Tetra-Dioxins				0.983	10.002	24.620		0.000		0.40768		0.0380	0.457
40	Total Penta-Dioxins				0.921	10.002	29.960		0.000		0.33042		0.0496	0.451
41	Total Hexa-Dioxins				0.984	10.002	33.635		0.000		1.2509		0.0633	1.25
42	Total Hepta-Dioxins				1.01	10.002	37.640		0.000		1.6867		0.0980	1.69
43	Total Tetra-Furans				0.915	10.002	23.610		0.000		1.5179		0.0482	1.70
44	1st Func. Penta-Furans				0.959	10.002	27.090		0.000		0.00000		0.00466	0.0891
45	Total Penta-Furans				0.959	10.002	29.275		0.000		0.59874		0.0607	0.634
46	Total Hexa-Furans				1.09	10.002	33.555		0.000		0.56677		0.0328	0.567
47	Total Hepta-Furans				1.05	10.002	37.835		0.000		0.43796		0.0948	0.438

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-7.qld

Last Altered: Tuesday, April 14, 2020 09:20:45 Pacific Daylight Time
 Printed: Tuesday, April 14, 2020 09:21:20 Pacific Daylight Time

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 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.38	1.045e4	1.050e4	8.035e2	9.455e2	0.85	NO	1.749e3	0.14299	0.14299	0.0380
2	Total Tetra-Dioxins	21.75	8.677e3	8.868e3	6.772e2	7.759e2	0.87	NO	1.453e3	0.11880	0.11880	0.0380
3	Total Tetra-Dioxins	23.24	8.240e3	1.330e4	7.639e2	1.021e3	0.75	NO	1.785e3	0.14589	0.14589	0.0380
4	2,3,7,8-TCDD	25.75	3.678e3	1.607e4	2.636e2	1.356e3	0.19	YES	1.619e3	0.00000	0.049532	0.0380

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.79	6.118e3	7.484e3	3.361e2	6.084e2	0.55	NO	9.445e2	0.11260	0.11260	0.0496
2	Total Penta-Dioxins	29.31	4.118e3	8.434e3	2.924e2	4.259e2	0.69	NO	7.183e2	0.085637	0.085637	0.0496
3	Total Penta-Dioxins	29.84	4.907e3	6.975e3	2.624e2	3.759e2	0.70	NO	6.383e2	0.076097	0.076097	0.0496
4	Total Penta-Dioxins	30.32	2.618e3	4.582e3	9.100e1	2.339e2	0.39	YES	0.000e0	0.00000	0.028069	0.0496
5	Total Penta-Dioxins	30.38	3.601e3	3.962e3	1.935e2	1.800e2	1.08	YES	0.000e0	0.00000	0.034984	0.0496
6	Total Penta-Dioxins	30.71	3.206e3	3.470e3	1.244e2	1.483e2	0.84	YES	0.000e0	0.00000	0.028826	0.0496
7	1,2,3,7,8-PeCDD	31.14	3.318e3	5.170e3	1.848e2	2.856e2	0.65	NO	4.704e2	0.056084	0.056084	0.0496
8	Total Penta-Dioxins	31.54	3.346e3	3.753e3	1.214e2	1.468e2	0.83	YES	0.000e0	0.00000	0.028522	0.0496

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.11	3.804e4	3.003e4	2.051e3	1.627e3	1.26	NO	3.678e3	0.50938	0.50938	0.0633
2	Total Hexa-Dioxins	33.66	1.043e4	1.004e4	6.637e2	6.055e2	1.10	NO	1.269e3	0.17580	0.17580	0.0633
3	Total Hexa-Dioxins	33.93	1.752e4	1.686e4	1.249e3	1.043e3	1.20	NO	2.291e3	0.31740	0.31740	0.0633
4	1,2,3,6,7,8-HxCDD	34.69	6.420e3	6.588e3	4.647e2	3.314e2	1.40	NO	7.961e2	0.097596	0.097596	0.0582
5	1,2,3,7,8,9-HxCDD	34.94	9.196e3	6.535e3	6.004e2	4.568e2	1.31	NO	1.057e3	0.15075	0.15075	0.0695

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-7.qld

Last Altered: Tuesday, April 14, 2020 09:20:45 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 09:21:20 Pacific Daylight Time

Name: 200410R2_7, Date: 14-Apr-2020, Time: 09:21:09, ID: 2000727-01, PDI: 064SC-A-04-05-190929.17.72, Description: PDI-064SC-A-04-05-190929

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.36	3.171e4	3.032e4	2.631e3	2.692e3	0.98	NO	5.323e3	0.94298	0.94298	0.0980
2	1,2,3,4,6,7,8-HpCDD	38.38	2.305e4	2.022e4	2.234e3	1.964e3	1.14	NO	4.198e3	0.74370	0.74370	0.0980

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.39	5.559e3	7.713e3	3.921e2	5.584e2	0.70	NO	9.505e2	0.067645	0.067645	0.0482
2	Total Tetra-Furans	19.90	2.976e3	3.966e3	2.513e2	3.606e2	0.70	NO	6.119e2	0.043546	0.043546	0.0482
3	Total Tetra-Furans	20.47	1.774e4	2.597e4	1.803e3	2.434e3	0.74	NO	4.238e3	0.30159	0.30159	0.0482
4	Total Tetra-Furans	20.84	3.962e3	5.418e3	3.683e2	4.896e2	0.75	NO	8.579e2	0.061057	0.061057	0.0482
5	Total Tetra-Furans	20.93	8.911e3	1.352e4	9.423e2	1.270e3	0.74	NO	2.212e3	0.15744	0.15744	0.0482
6	Total Tetra-Furans	21.36	5.377e3	7.581e3	6.313e2	9.131e2	0.69	NO	1.544e3	0.10991	0.10991	0.0482
7	Total Tetra-Furans	21.78	4.544e3	5.736e3	3.771e2	4.527e2	0.83	NO	8.298e2	0.059055	0.059055	0.0482
8	Total Tetra-Furans	21.92	3.153e3	4.112e3	2.592e2	3.577e2	0.72	NO	6.169e2	0.043903	0.043903	0.0482
9	Total Tetra-Furans	22.11	4.133e3	4.991e3	3.140e2	4.461e2	0.70	NO	7.601e2	0.054095	0.054095	0.0482
10	Total Tetra-Furans	22.59	4.328e3	5.918e3	3.226e2	3.978e2	0.81	NO	7.204e2	0.051272	0.051272	0.0482
11	Total Tetra-Furans	22.73	5.456e3	7.483e3	4.627e2	6.125e2	0.76	NO	1.075e3	0.076522	0.076522	0.0482
12	Total Tetra-Furans	22.91	4.557e3	5.931e3	3.472e2	4.290e2	0.81	NO	7.761e2	0.055234	0.055234	0.0482
13	Total Tetra-Furans	23.06	7.291e3	1.048e4	8.526e2	1.161e3	0.73	NO	2.013e3	0.14328	0.14328	0.0482
14	Total Tetra-Furans	23.65	6.326e3	7.686e3	6.514e2	9.053e2	0.72	NO	1.557e3	0.11079	0.11079	0.0482
15	Total Tetra-Furans	24.00	3.431e3	5.776e3	3.513e2	4.901e2	0.72	NO	8.414e2	0.059881	0.059881	0.0482
16	Total Tetra-Furans	24.24	3.284e3	4.932e3	3.990e2	4.313e2	0.93	YES	0.000e0	0.00000	0.054334	0.0482
17	Total Tetra-Furans	24.49	4.042e3	7.038e3	2.234e2	4.114e2	0.54	YES	0.000e0	0.00000	0.036552	0.0482
18	Total Tetra-Furans	24.66	4.099e3	3.968e3	2.408e2	2.544e2	0.95	YES	0.000e0	0.00000	0.032045	0.0482
19	2,3,7,8-TCDF	24.76	7.771e3	6.052e3	4.889e2	4.739e2	1.03	YES	9.628e2	0.00000	0.059694	0.0482
20	Total Tetra-Furans	25.20	8.113e3	1.266e4	6.888e2	1.035e3	0.67	NO	1.723e3	0.12265	0.12265	0.0482

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	26.99	9.376e3	9.228e3	6.727e2	6.293e2	1.07	YES	0.000e0	0.00000	0.089062	0.0110

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-7.qld

Last Altered: Tuesday, April 14, 2020 09:20:45 Pacific Daylight Time

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Sample Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.56	1.418e4	8.425e3	9.986e2	6.232e2	1.60	NO	1.622e3	0.13051	0.13051	0.0607
2	Total Penta-Furans	28.74	1.194e4	8.655e3	1.047e3	6.624e2	1.58	NO	1.709e3	0.13755	0.13755	0.0607
3	Total Penta-Furans	28.78	5.153e3	4.114e3	2.684e2	2.103e2	1.28	YES	0.000e0	0.00000	0.035533	0.0607
4	1,2,3,7,8-PeCDF	29.78	1.194e4	5.060e3	5.168e2	3.157e2	1.64	NO	8.325e2	0.065368	0.065368	0.0598
5	Total Penta-Furans	30.03	8.724e3	9.904e3	7.319e2	5.309e2	1.38	NO	1.263e3	0.10162	0.10162	0.0607
6	Total Penta-Furans	30.71	1.068e4	8.837e3	5.876e2	4.096e2	1.43	NO	9.972e2	0.080247	0.080247	0.0607
7	2,3,4,7,8-PeCDF	30.82	1.034e4	7.900e3	6.597e2	3.976e2	1.66	NO	1.057e3	0.083436	0.083436	0.0589

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.52	6.943e3	4.659e3	3.383e2	2.754e2	1.23	NO	6.138e2	0.066567	0.066567	0.0328
2	Total Hexa-Furans	32.69	1.564e4	1.231e4	8.790e2	6.638e2	1.32	NO	1.543e3	0.16733	0.16733	0.0328
3	Total Hexa-Furans	33.64	8.080e3	6.927e3	4.569e2	3.529e2	1.29	NO	8.098e2	0.087832	0.087832	0.0328
4	1,2,3,4,7,8-HxCDF	33.72	8.593e3	6.555e3	4.761e2	4.138e2	1.15	NO	8.899e2	0.10223	0.10223	0.0298
5	1,2,3,6,7,8-HxCDF	33.83	7.481e3	6.572e3	4.078e2	3.305e2	1.23	NO	7.383e2	0.075401	0.075401	0.0294
6	2,3,4,6,7,8-HxCDF	34.41	5.250e3	5.711e3	3.361e2	2.786e2	1.21	NO	6.147e2	0.067400	0.067400	0.0327

Hepta-Furans

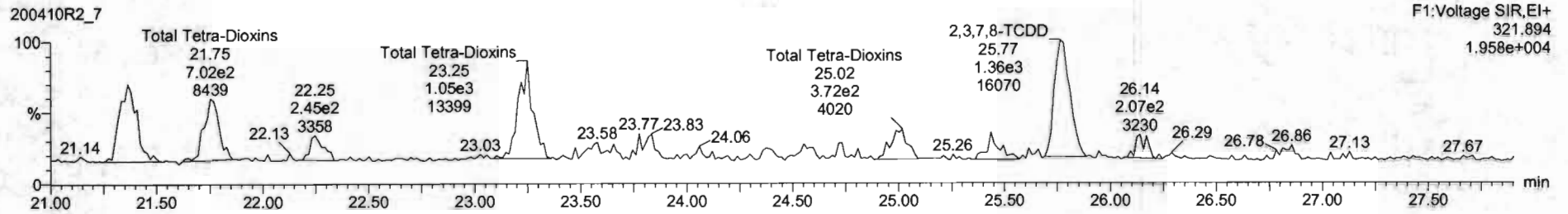
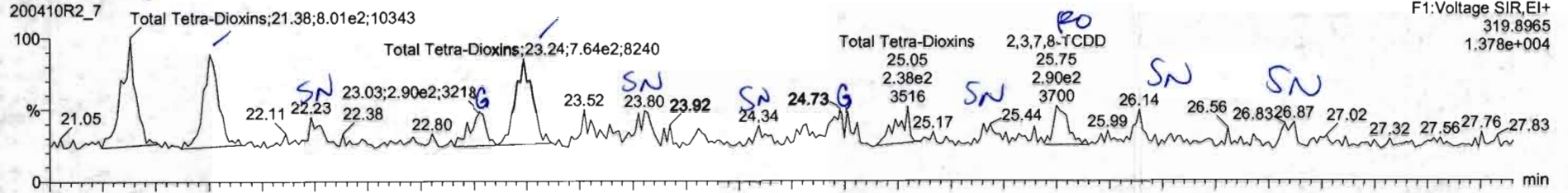
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.97	1.498e4	1.852e4	1.346e3	1.399e3	0.96	NO	2.745e3	0.43796	0.43796	0.0796

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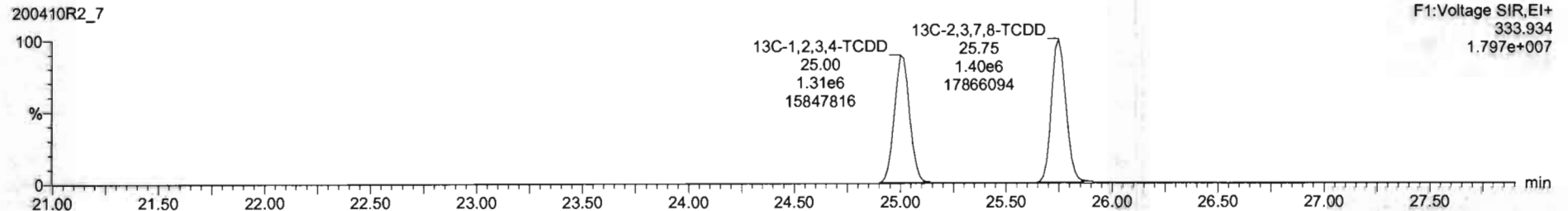
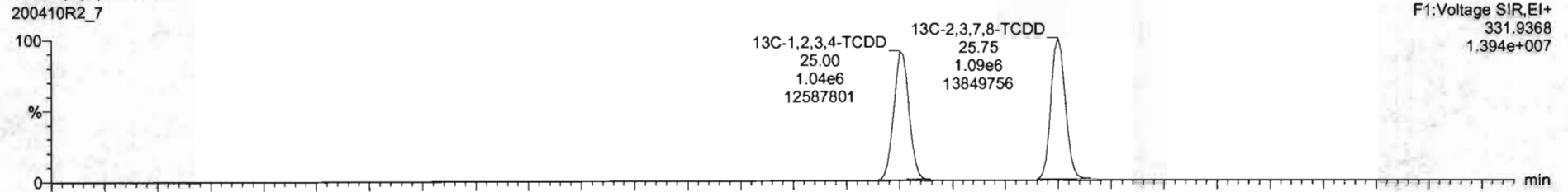
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Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

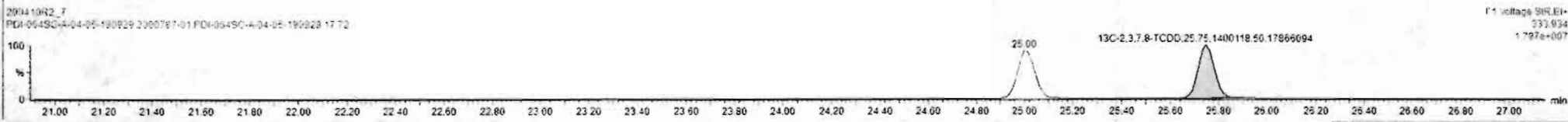
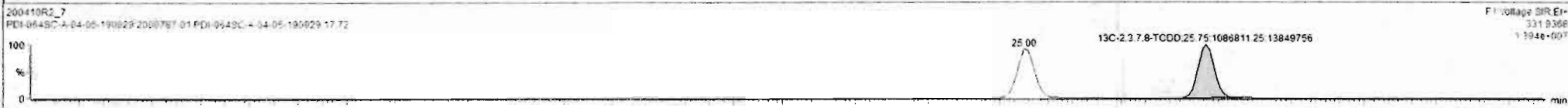
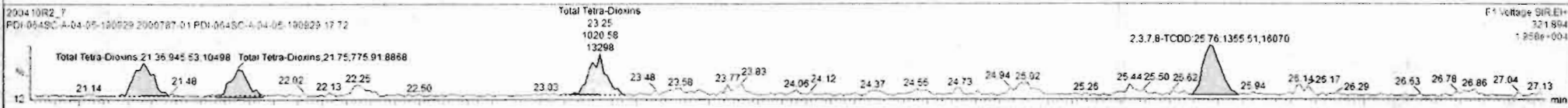
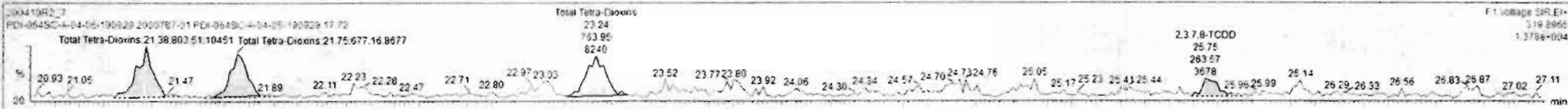
2,3,7,8-TCDD



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



Name	Resp	RA	nty	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.002			0.408	0.0380	0.457	
40 Total Penta-Dioxins				0.9212	10.002			0.287	0.0496	0.326	
41 Total Hexa-Dioxins				0.9644	10.002			0.784	0.0633	1.114	
42 Total Hepta-Dioxins				1.0061	10.002			1.65	0.0980	1.69	
43 Total Tetra-Furans				0.9154	10.002			0.797	0.0482	1.51	
44 1st Func. Penta-Furans				0.9594	10.002			0.000	0.0046	0.0955	
45 Total Penta-Furans				0.9594	10.002			0.168	0.0607	0.437	
46 Total Hexa-Furans				1.0520	10.002			0.170	0.0328	0.504	
47 Total Hepta-Furans				1.0483	10.002			0.563	0.0648	0.582	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



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200410R2_7 CAP NUM

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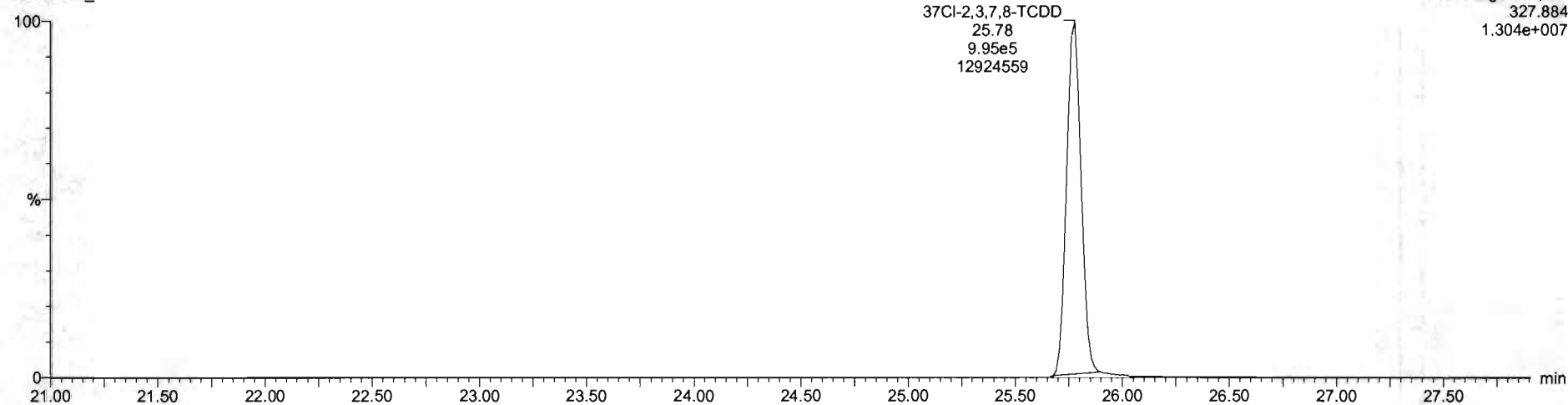
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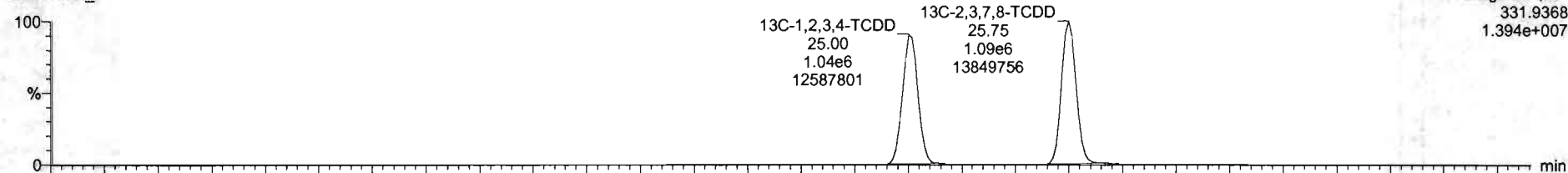
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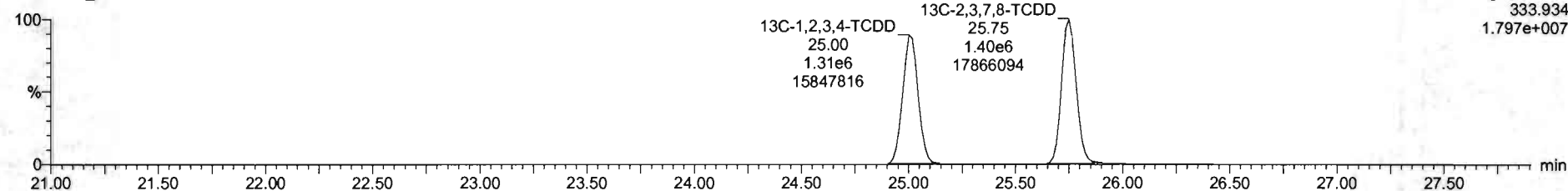


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200410R2_7



200410R2_7



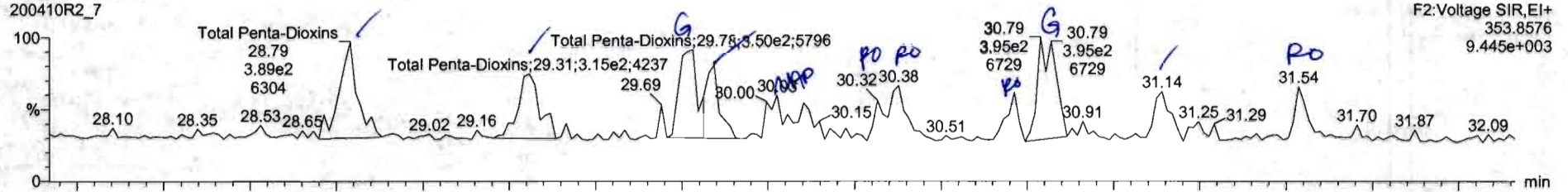
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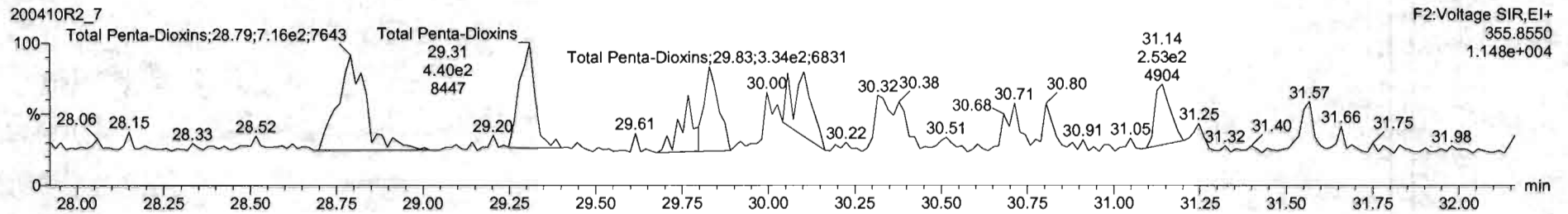
1,2,3,7,8-PeCDD

200410R2_7



F2:Voltage SIR,EI+
353.8576
9.445e+003

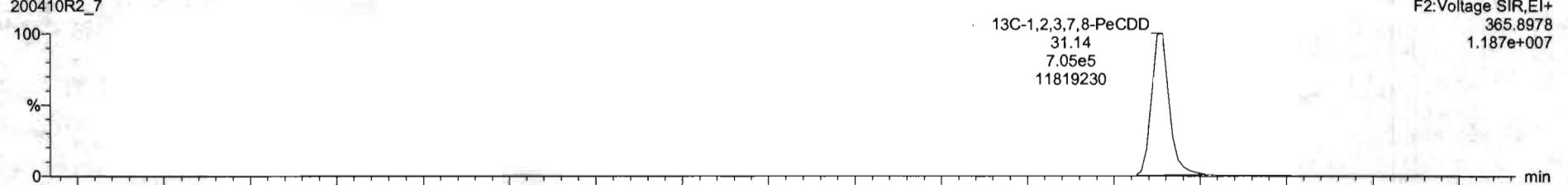
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F2:Voltage SIR,EI+
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1.148e+004

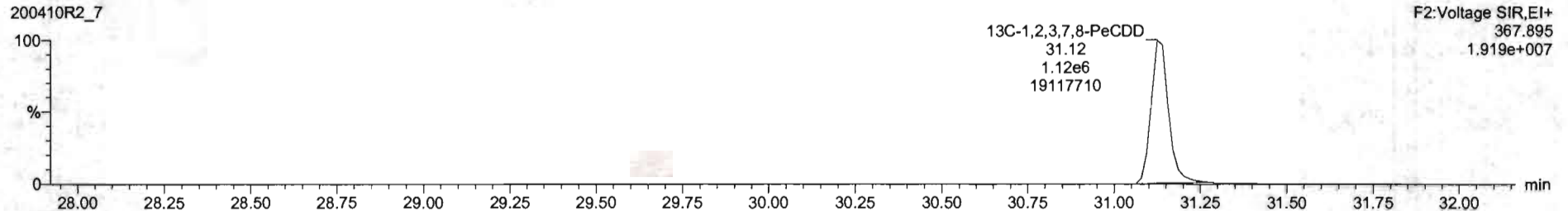
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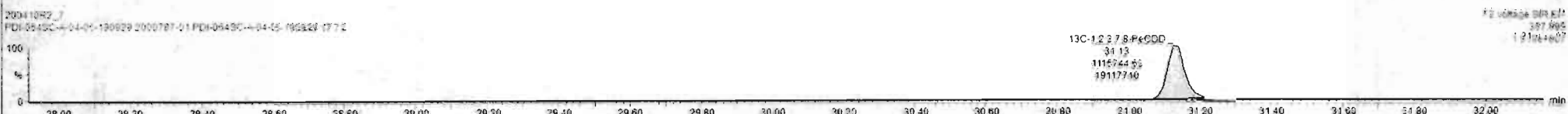
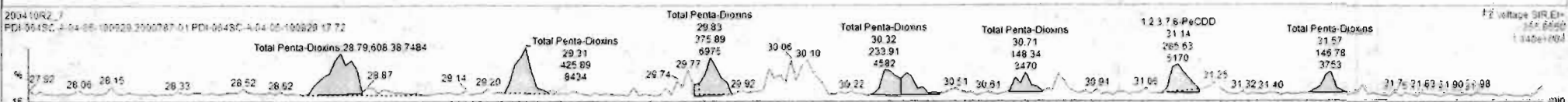
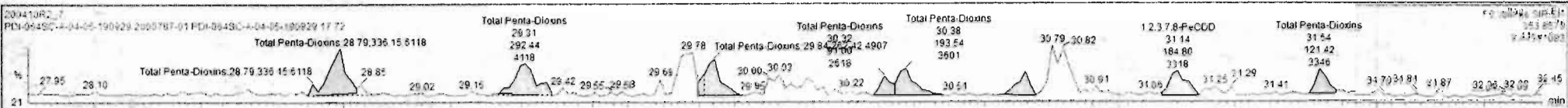
F2:Voltage SIR,EI+
365.8978
1.187e+007

200410R2_7



F2:Voltage SIR,EI+
367.895
1.919e+007

Name	Resp	RA	nty	RF	wtVol	RT	RRT	Conc	%Rec	DL	LMPC
39 Total Tetra-Dioxins				0.9035	10.002			0.408	0.0360	0.457	
40 Total Penta-Dioxins				0.9212	10.002			0.330	0.0486	0.451	
41 Total Hexa-Dioxins				0.9644	10.002			0.784	0.0623	1.14	
42 Total Hepta-Dioxins				1.0051	10.002			1.65	0.0960	1.65	
43 Total Tetra-Furans				0.9154	10.002			0.797	0.0482	1.51	
44 1st Func. Penta-Furans				0.9594	10.002			0.000	0.00466	0.0955	
45 Total Penta-Furans				0.9594	10.002			0.168	0.0067	0.427	
46 Total Hexa-Furans				1.0920	10.002			0.170	0.0328	0.594	
47 Total Hepta-Furans				1.0482	10.002			0.563	0.0548	0.562	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



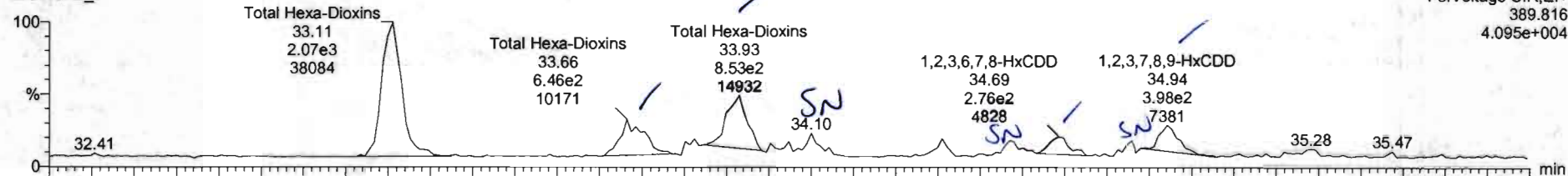
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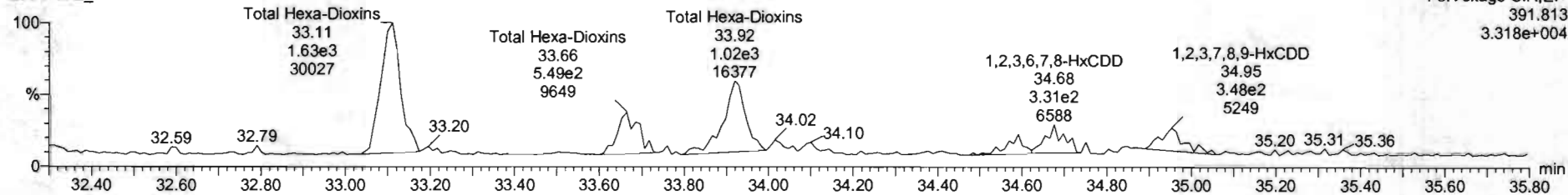
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1,2,3,4,7,8-HxCDD

200410R2_7

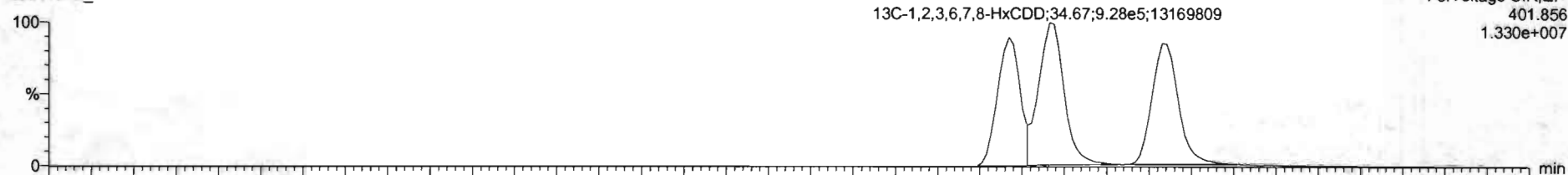


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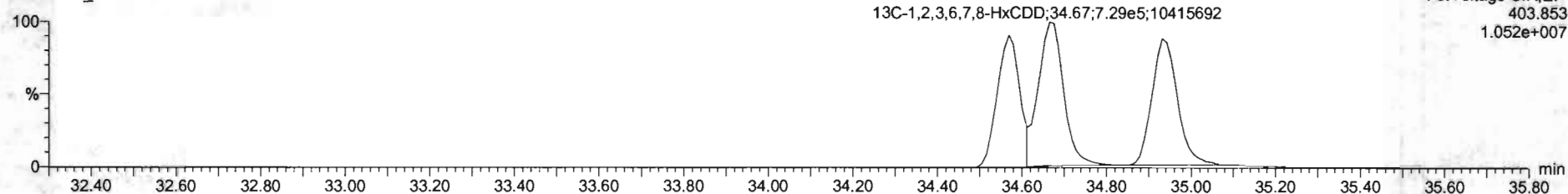


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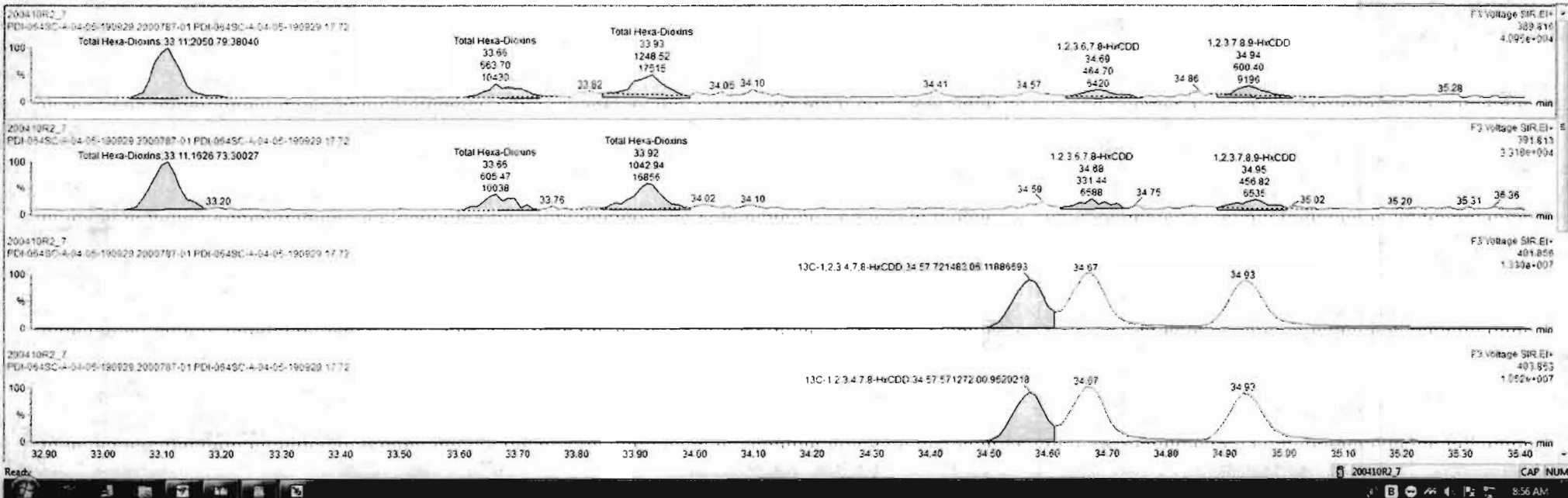
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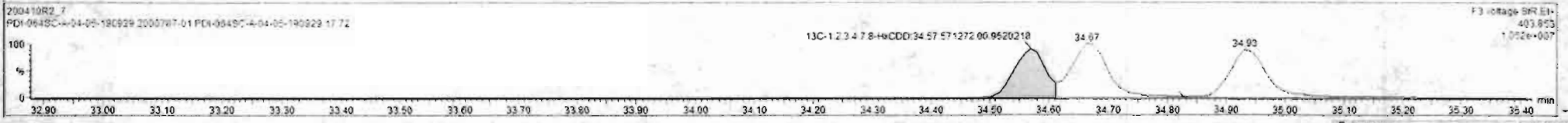
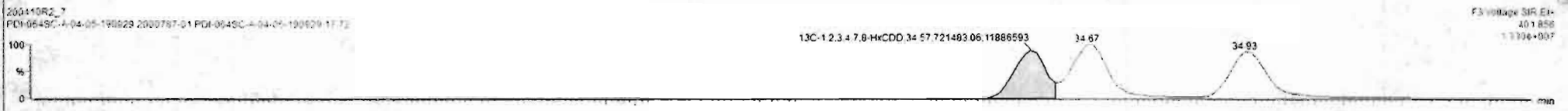
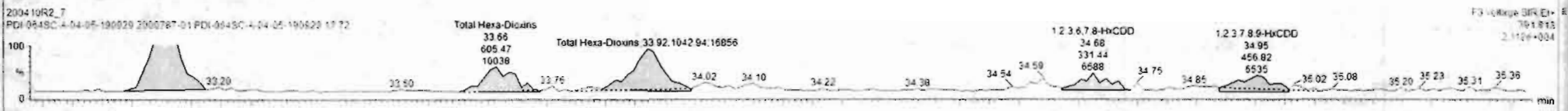
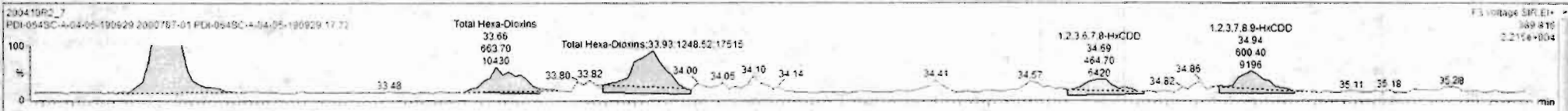
200410R2_7



#	Name	Resp	RA	ny	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9875	10.002			0.408	0.0380	0.457	
40	Total Penta-Dioxins				0.9212	10.002			0.230	0.0496	0.451	
41	Total Hexa-Dioxins				0.9644	10.002			1.25	0.0633	1.25	
42	Total Hepta-Dioxins				1.0061	10.002			1.65	0.0660	1.86	
43	Total Tetra-Furans				0.9154	10.002			0.797	0.0482	1.51	
44	1st Func. Penta-Furans				0.5554	10.002			0.000	0.00466	0.2955	
45	Total Penta-Furans				0.9594	10.002			0.165	0.0607	0.437	
46	Total Hexa-Furans				1.0920	10.002			0.170	0.0328	0.594	
47	Total Hepta-Furans				1.0483	10.002			0.563	0.0548	0.563	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											



Name	Resp	RA	nly	KRF	wtAve	RT	RRT	Conc	%Rec	EL	EMPC
39 Total Tetra-Dioxins				0.9825	10.002			0.408	0.0380	0.457	
40 Total Penta-Dioxins				0.9212	10.002			0.330	0.0496	0.451	
41 Total Hexa-Dioxins				0.9644	10.002			1.25	0.0633	1.25	
42 Total Hepta-Dioxins				1.0081	10.002			1.69	0.0980	1.89	
43 Total Tetra-Furans				0.9154	10.002			0.797	0.0482	1.51	
44 1st Func Penta-Furans				0.9594	10.002			0.000	0.00466	0.0955	
45 Total Penta-Furans				0.9594	10.002			0.168	0.0607	0.437	
46 Total Hexa-Furans				1.0920	10.002			0.170	0.0328	0.594	
47 Total Hepta-Furans				1.0483	10.002			0.563	0.0548	0.563	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



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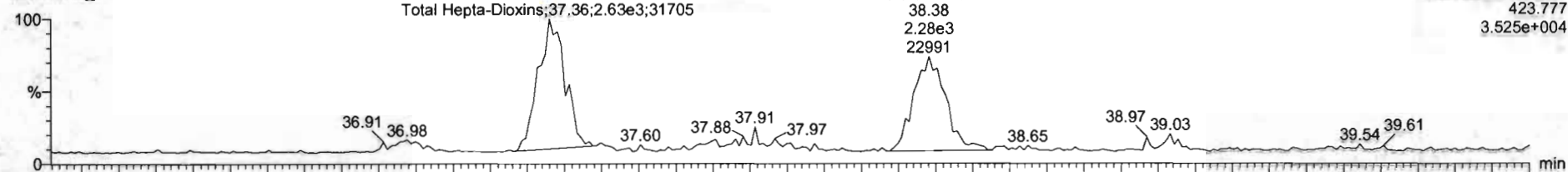
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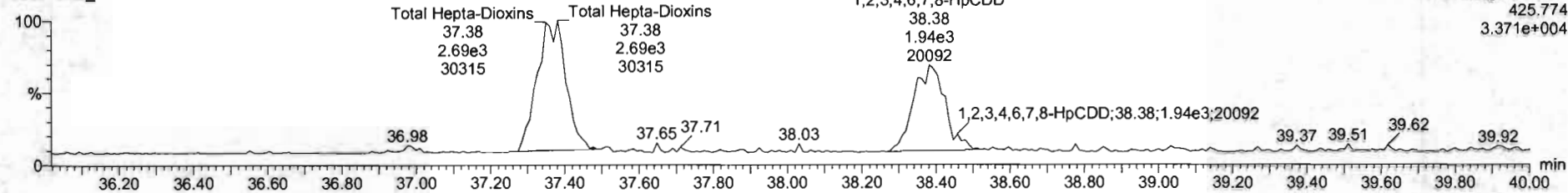
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1,2,3,4,6,7,8-HpCDD

200410R2_7

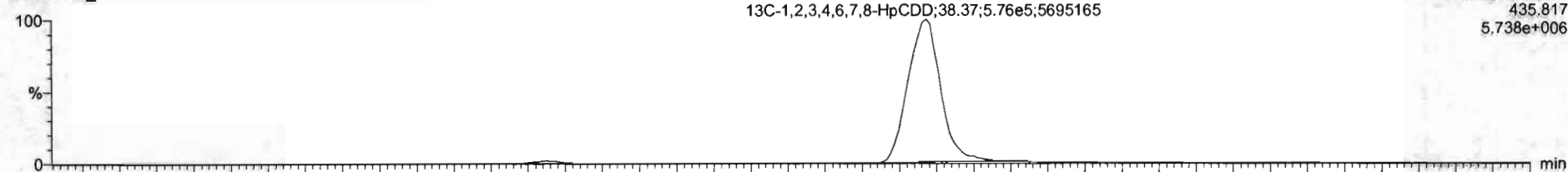


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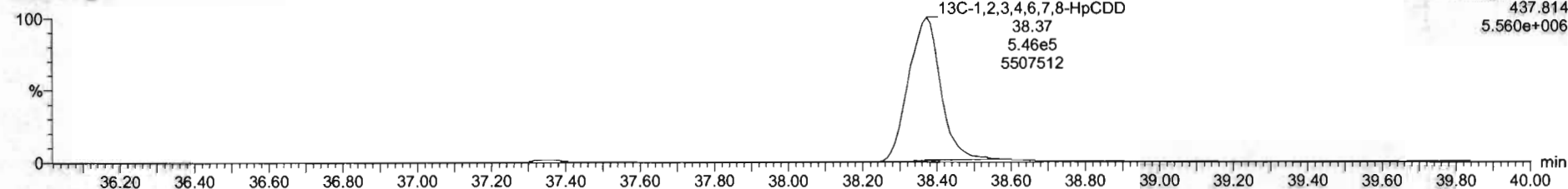


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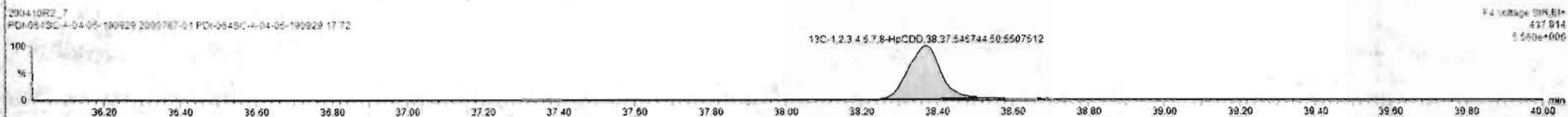
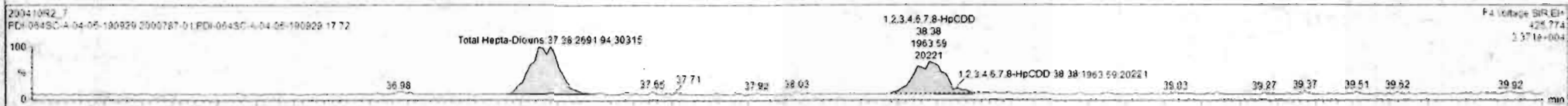
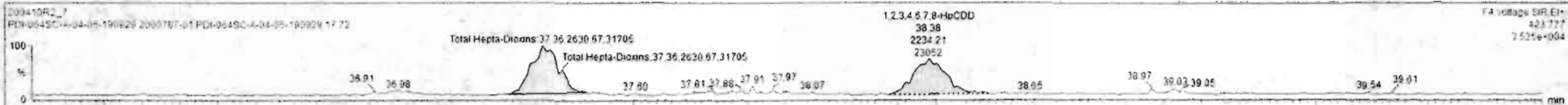
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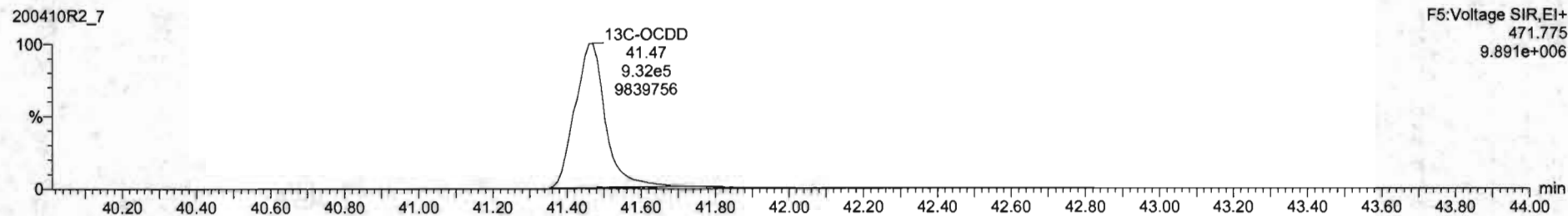
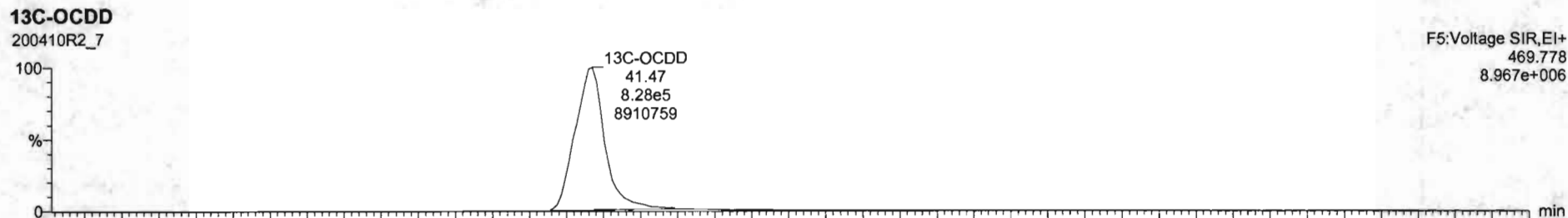
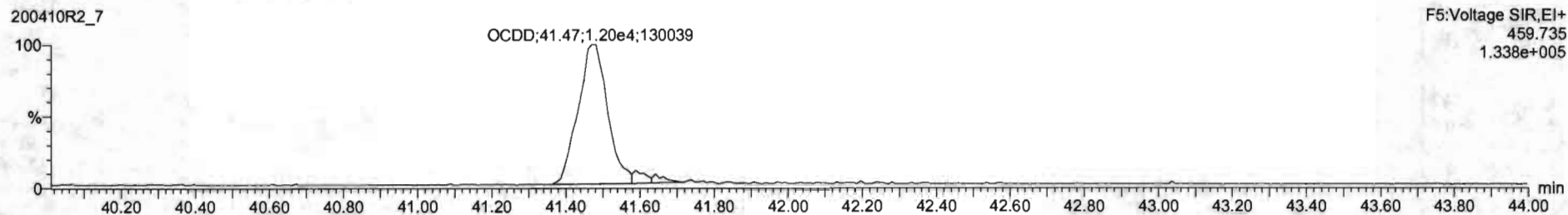
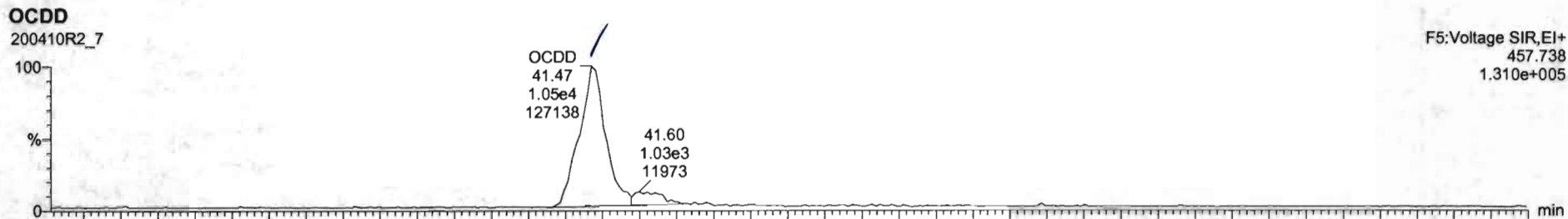
Name	Resp	RA	nly	RRF	wtdvl	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.002			0.408	0.0380	0.457	
40 Total Penta-Dioxins				0.9212	10.002			0.330	0.0496	0.451	
41 Total Hexa-Dioxins				0.9544	10.002			1.25	0.0533	1.25	
42 Total Hepta-Dioxins				1.0061	10.002			1.89	0.0680	1.89	
43 Total Tetra-Furans				0.9154	10.002			0.797	0.0482	1.51	
44 1st Func. Penta-Furans				0.9594	10.002			0.000	0.00466	0.2956	
45 Total Penta-Furans				0.9594	10.002			0.168	0.0607	0.427	
46 Total Hexa-Furans				1.0920	10.002			0.170	0.0328	0.594	
47 Total Hepta-Furans				1.0483	10.002			0.583	0.0548	0.583	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Dataset: Untitled

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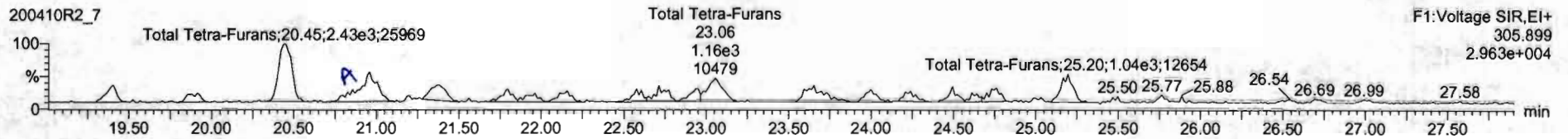
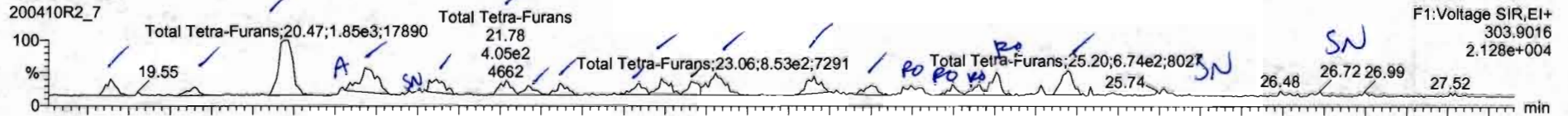


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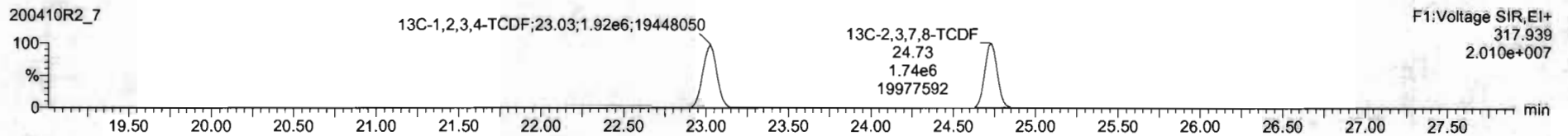
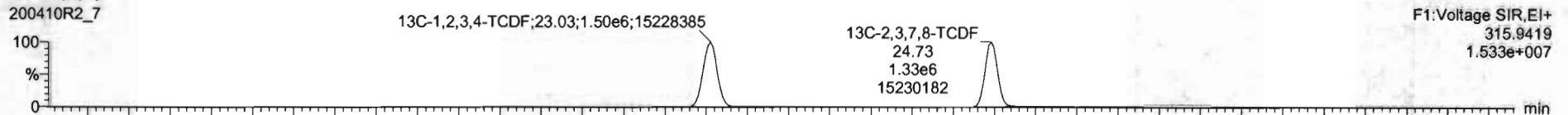
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Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

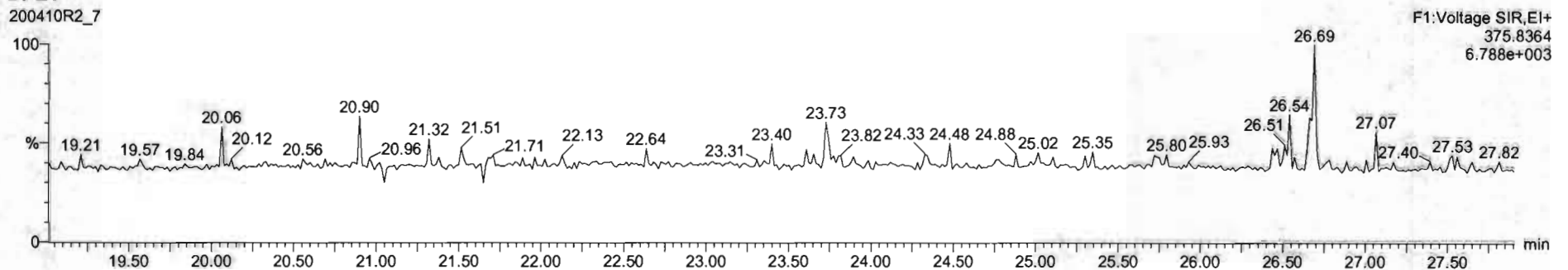
2,3,7,8-TCDF



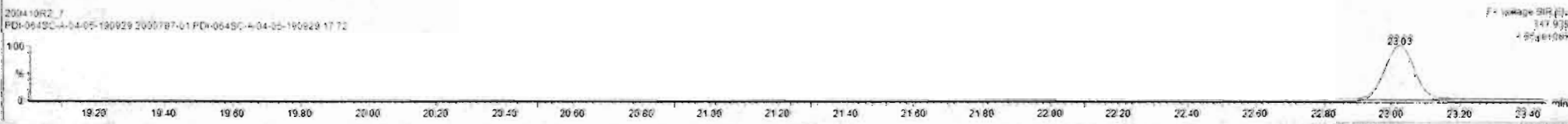
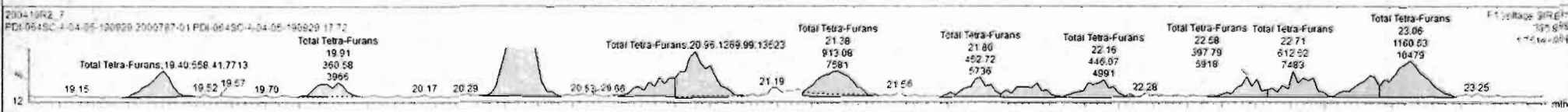
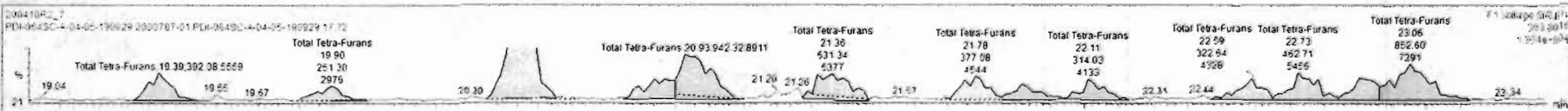
13C-2,3,7,8-TCDF

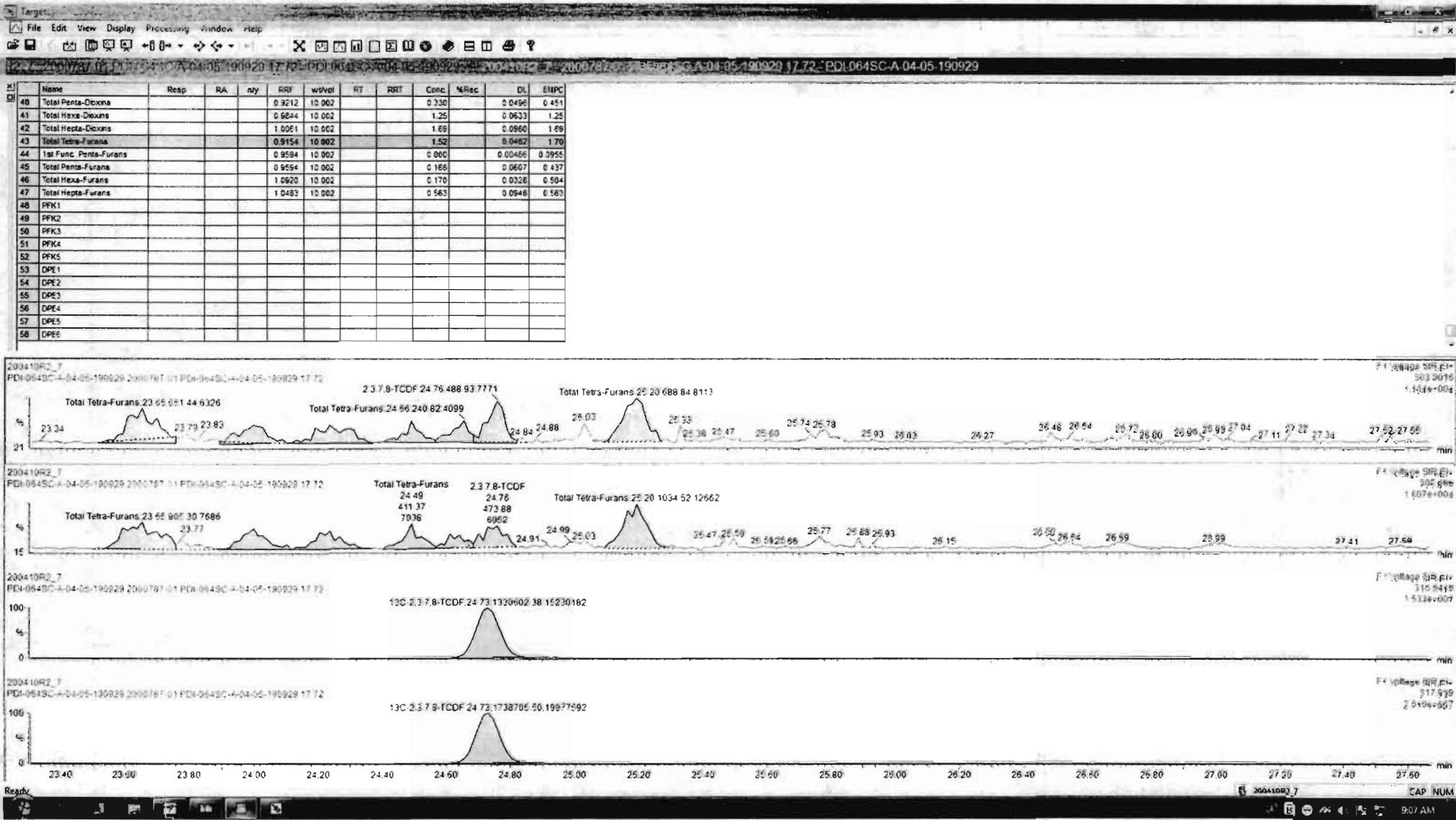


DPE1



Name	Resp	RA	rvy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.002			0.330	0.0456	0.451	
41 Total Hexa-Dioxins				0.9844	10.002			1.25	0.0633	1.25	
42 Total Hepta-Dioxins				1.0061	10.002			1.65	0.0960	1.69	
43 Total Tetra-Furans				0.9154	10.002			1.22	0.0482	1.60	
44 1st Func. Penta-Furans				0.9594	10.002			0.000	0.00466	0.0655	
45 Total Penta-Furans				0.9594	10.002			0.168	0.0607	0.437	
46 Total Hexa-Furans				1.0920	10.002			0.170	0.0328	0.604	
47 Total Hepta-Furans				1.0483	10.002			0.563	0.0648	0.563	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											





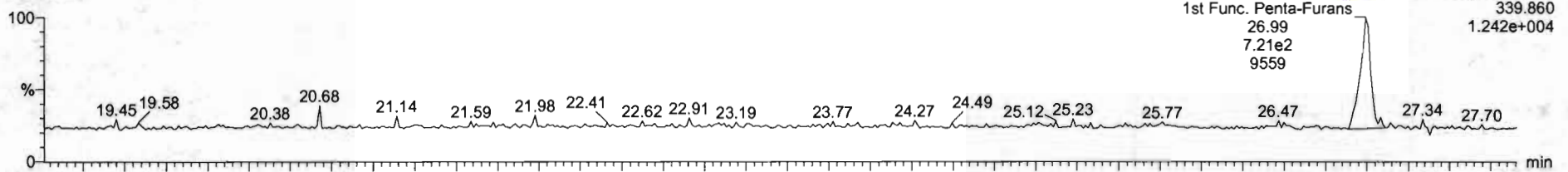
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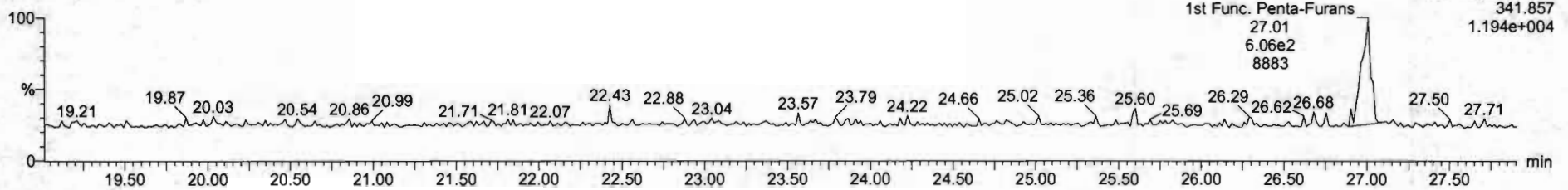
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1st Func. Penta-Furans

200410R2_7

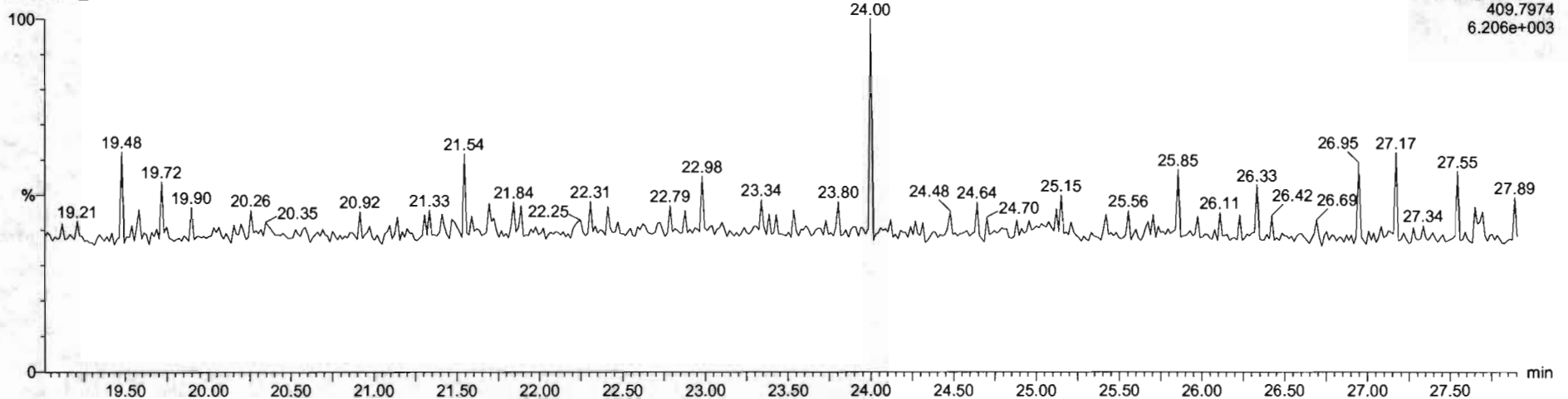


200410R2_7

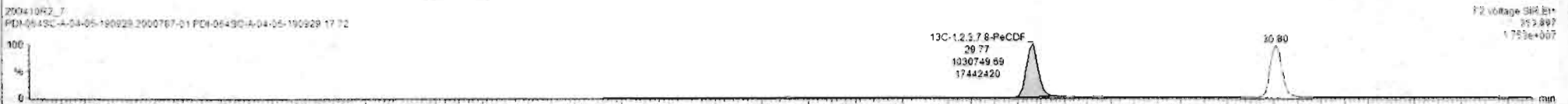


DPE6

200410R2_7



Name	Resp	RA	ntf	RRF	wtvol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.002			0.330	0.0496	0.451	
41 Total Hexa-Dioxins				0.0844	10.002			1.25	0.0633	1.25	
42 Total Hepta-Dioxins				1.0261	10.002			1.89	0.0960	1.89	
43 Total Tetra-Furans				0.9154	10.002			1.52	0.0482	1.70	
44 1st Func. Penta-Furans				0.8594	10.002			0.000	0.00466	0.0591	
45 Total Penta-Furans				0.9554	10.002			0.166	0.0607	0.437	
46 Total Hexa-Furans				1.0920	10.002			0.170	0.0326	0.504	
47 Total Hepta-Furans				1.0483	10.002			0.563	0.0948	0.563	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

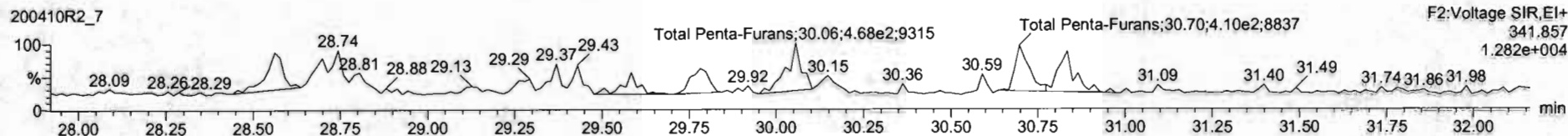
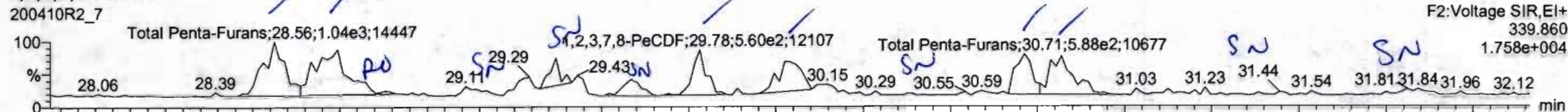


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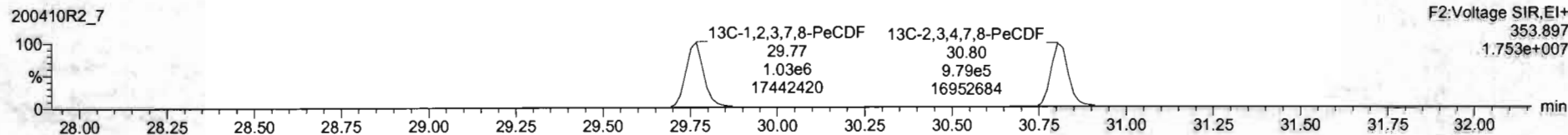
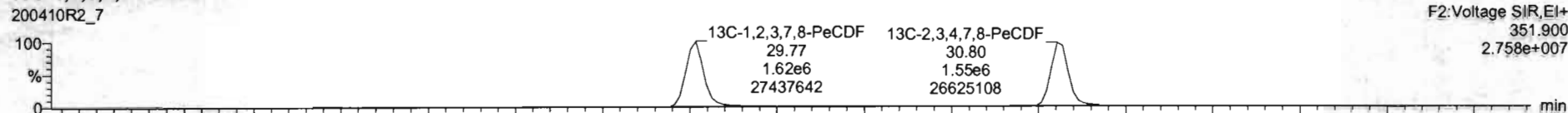
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Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

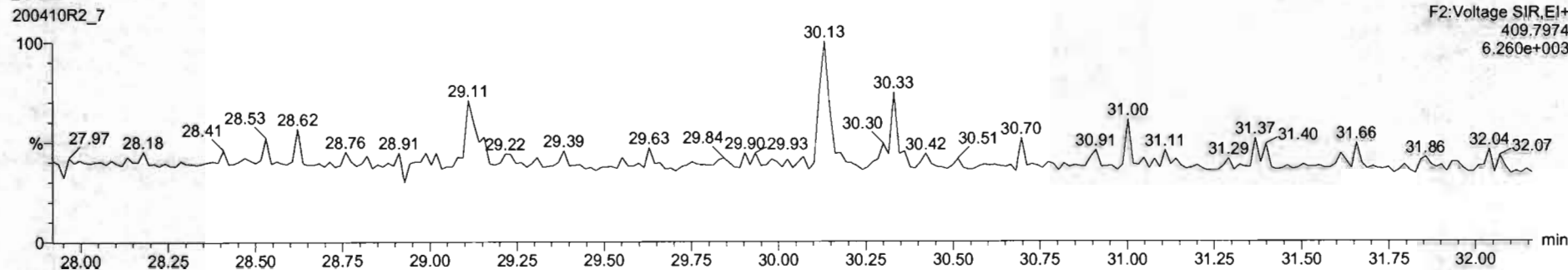
1,2,3,7,8-PeCDF



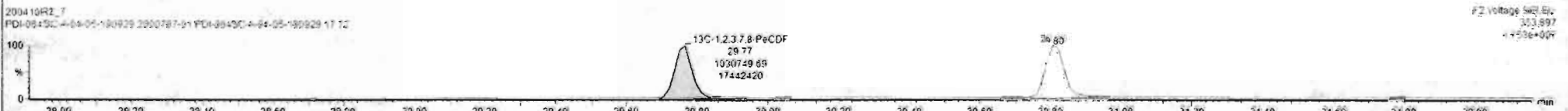
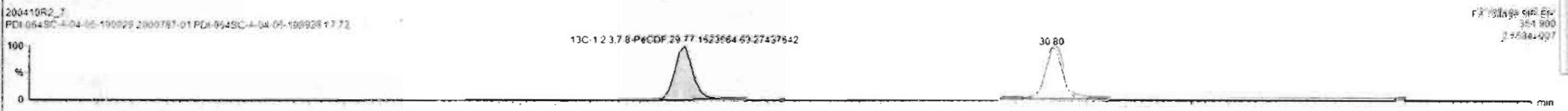
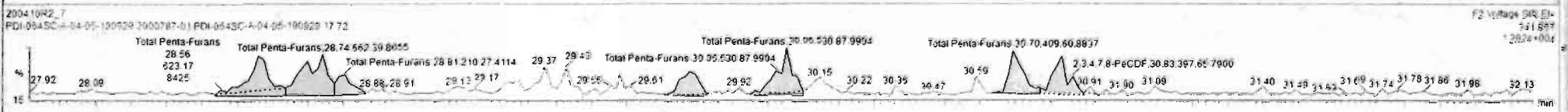
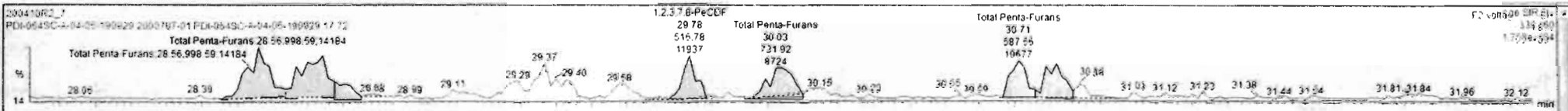
13C-1,2,3,7,8-PeCDF



DPE2



Name	Resp	RA	nty	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.002			0.330	0.0456	0.451	
41 Total Hexa-Dioxins				0.8844	10.002			1.25	0.0623	1.25	
42 Total Hepta-Dioxins				1.0051	10.002			1.69	0.0960	1.69	
43 Total Tetra-Furans				0.9154	10.002			1.52	0.0482	1.70	
44 1st Func Penta-Furans				0.9594	10.002			0.000	0.00466	0.0891	
45 Total Penta-Furans				0.9384	10.002			0.599	0.0607	0.634	
46 Total Hexa-Furans				1.0920	10.002			0.170	0.0328	0.594	
47 Total Hepta-Furans				1.0483	10.002			0.563	0.0948	0.563	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

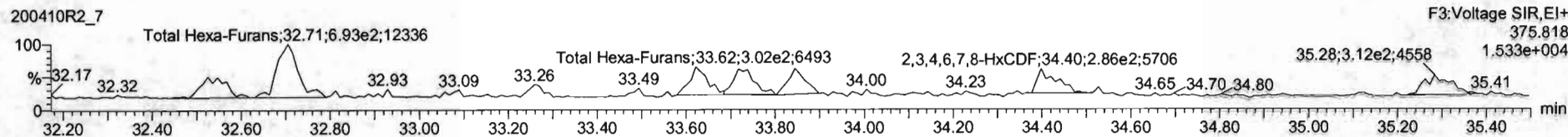
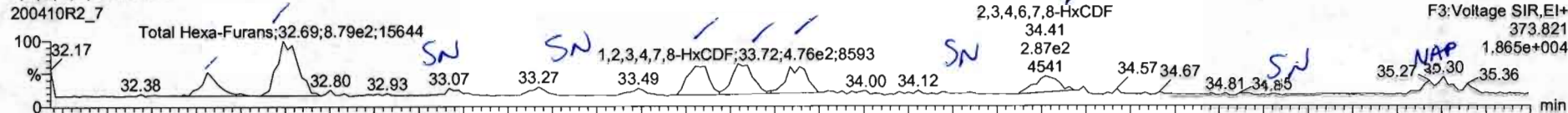


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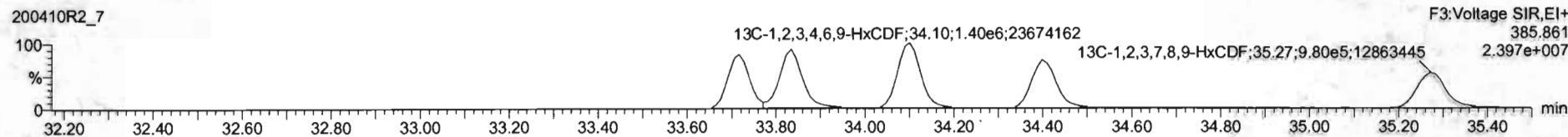
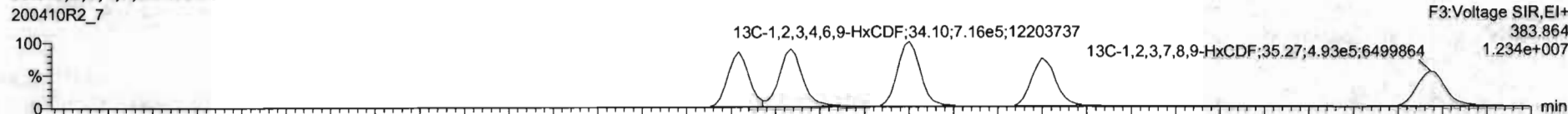
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Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929

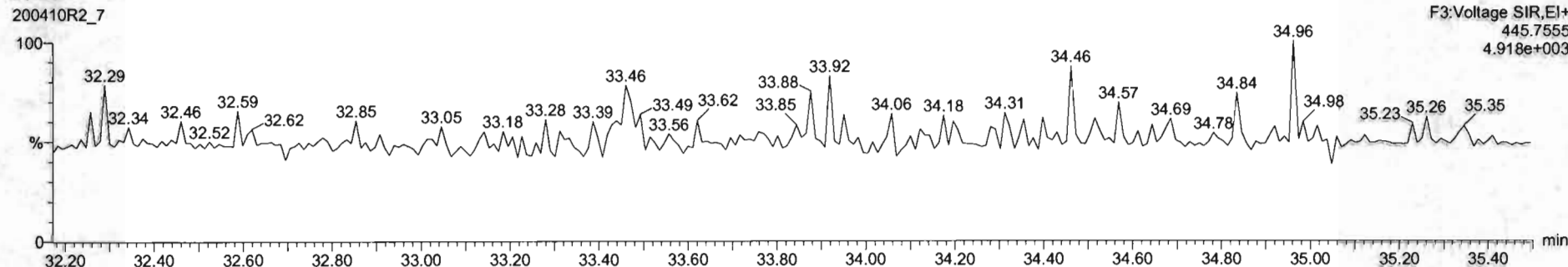
1,2,3,4,7,8-HxCDF



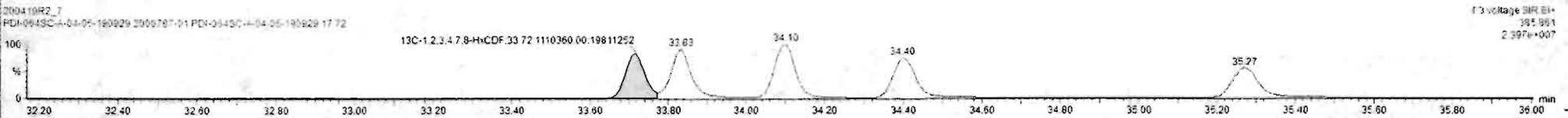
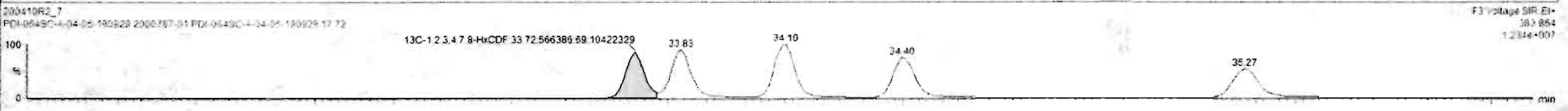
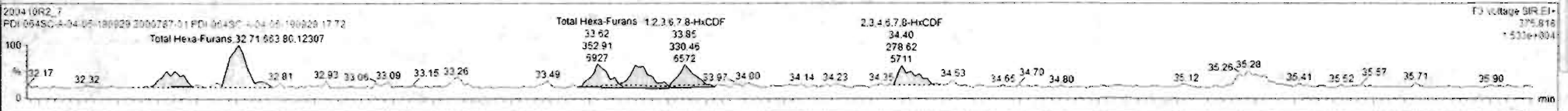
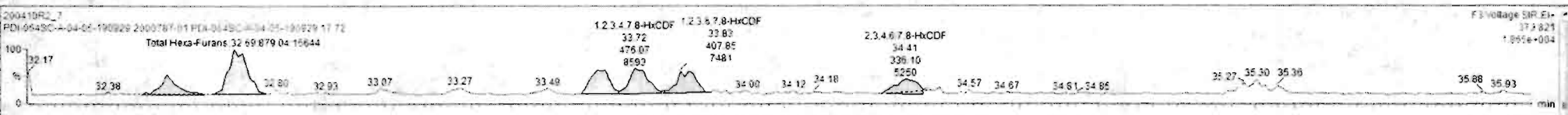
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	nly	RRF	w/wvol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.002			0.330		0.0496	0.451
41 Total Hexa-Dioxins				0.9844	10.002			1.25		0.0633	1.25
42 Total Hepta-Dioxins				1.0051	10.002			1.89		0.0960	1.89
43 Total Tetra-Furans				0.9154	10.002			1.52		0.0482	1.70
44 1st Func. Penta-Furans				0.9594	10.002			0.000		0.00466	0.0891
45 Total Penta-Furans				0.5554	10.002			0.599		0.0507	0.634
46 Total Hexa-Furane				1.0920	10.002			0.479		0.0328	0.587
47 Total Hepta-Furans				1.0483	10.002			0.563		0.0646	0.563
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



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200410R2_7 CAP NUM

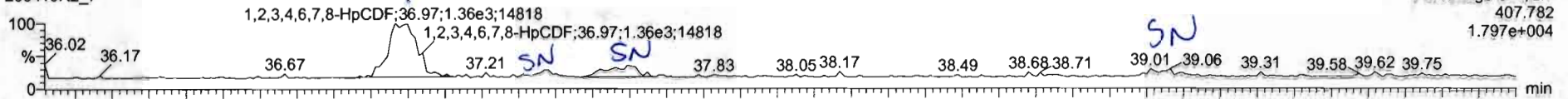
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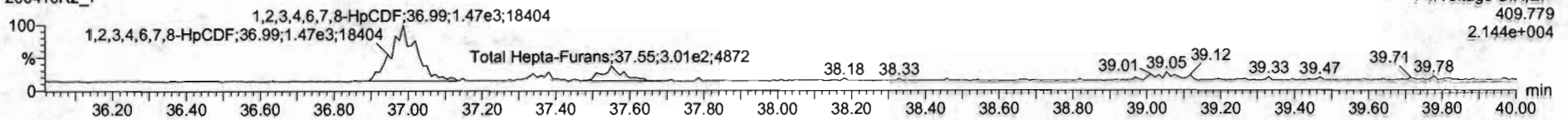
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1,2,3,4,6,7,8-HpCDF

200410R2_7

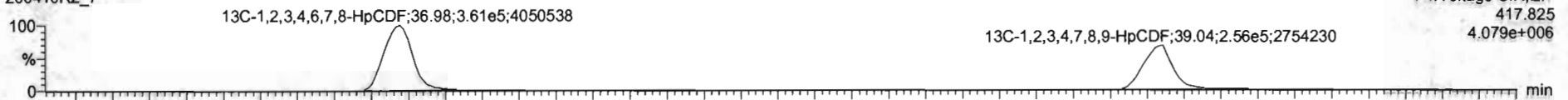


200410R2_7

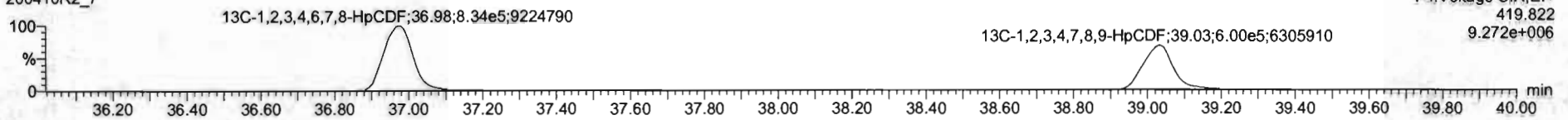


13C-1,2,3,4,6,7,8-HpCDF

200410R2_7

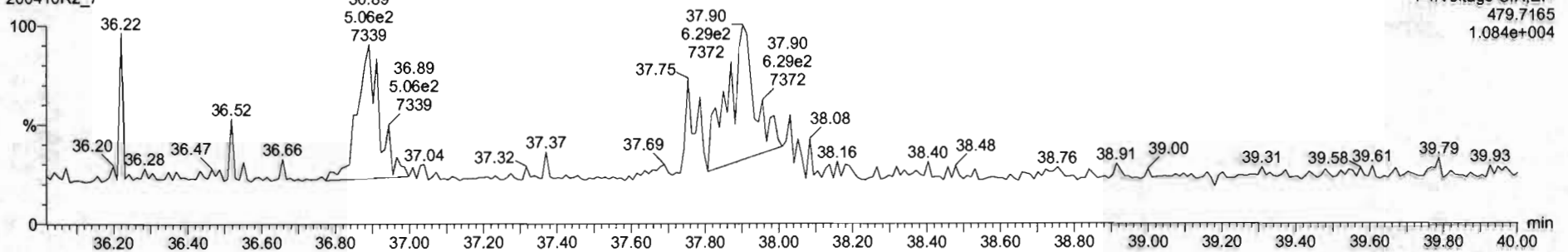


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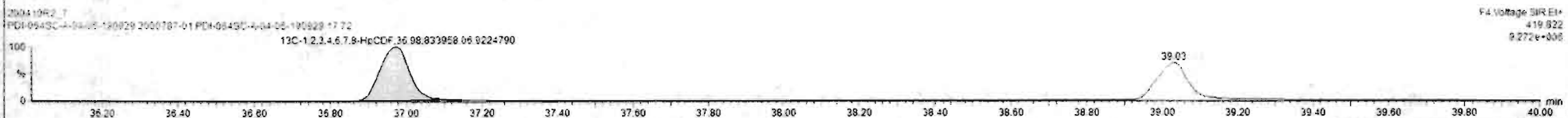
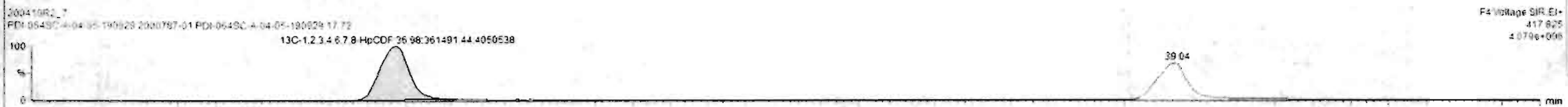


DPE4

200410R2_7



Name	Resp	RA	ntv	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.002			0.330	0.0496	0.451	
41 Total Hexa-Dioxins				0.9844	10.002			1.25	0.0633	1.25	
42 Total Hepta-Dioxins				1.0261	10.002			1.69	0.0660	1.69	
43 Total Tetra-Furans				0.9154	10.002			1.52	0.0482	1.70	
44 1st Func. Penta-Furans				0.9594	10.002			0.000	0.00466	0.0691	
45 Total Penta-Furans				0.9594	10.002			0.599	0.0607	0.634	
46 Total Hexa-Furans				1.0920	10.002			0.567	0.0328	0.567	
47 Total Hepta-Furans				1.0463	10.002			0.438	0.0648	0.438	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

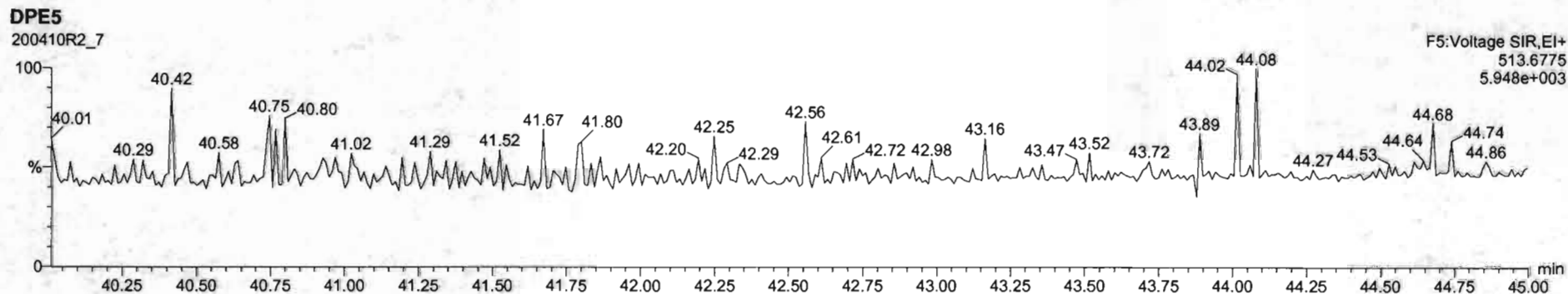
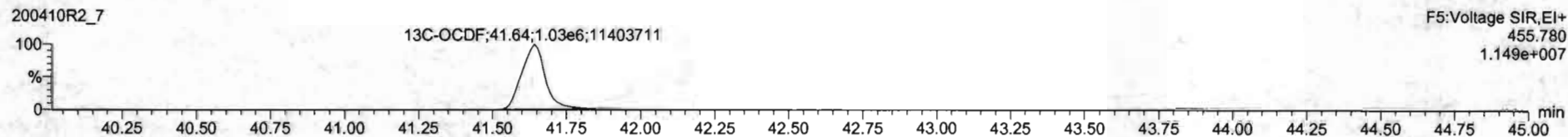
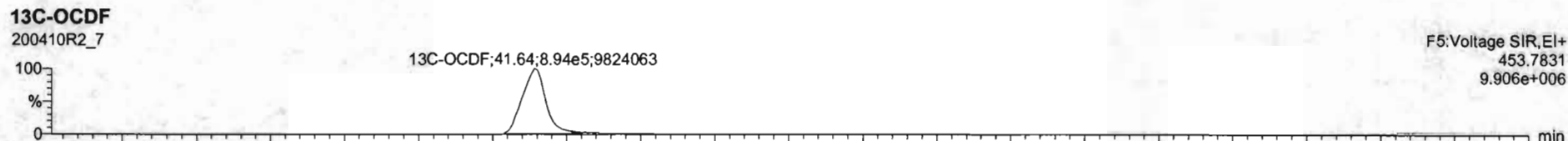
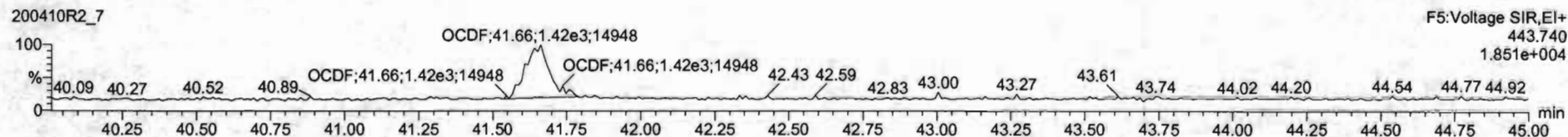
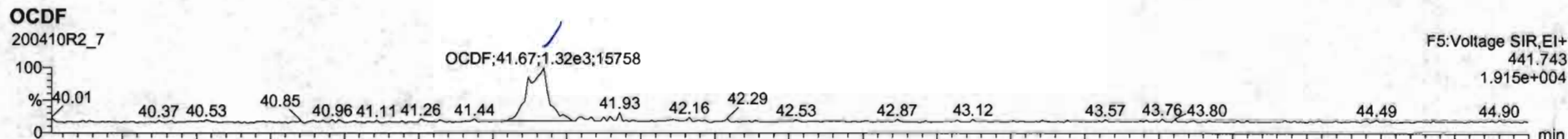


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Name: 200410R2_7, Date: 11-Apr-2020, Time: 01:31:09, ID: 2000787-01 PDI-064SC-A-04-05-190929 17.72, Description: PDI-064SC-A-04-05-190929



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200410R2_7 PDI-0645C-A-04-05-190929 2000787-01 PDI-0645C-A-04-05-190929 200410R2_7 PDI-0645C-A-04-05-190929 17 72 - PDI-0645C-A-04-05-190929

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.66e3	0.21	YES	0.9835	10.002	25.75	1.000	0.135		0.0380	0.0545
2 1,2,3,7,8-PeCDD			NO	0.9212	10.002					0.0496	
3 1,2,3,4,7,8-HxCDD			NO	1.1125	10.002					0.0559	
4 1,2,3,6,7,8-HxCDD	6.07e2	0.83	YES	0.9844	10.002	34.89	1.001	0.0745		0.0582	0.0611
5 1,2,3,7,8,9-HxCDD	7.46e2	1.14	NO	0.9574	10.002	34.94	1.000	0.106		0.0695	0.106
6 1,2,3,4,6,7,8-HpCDD	4.22e3	1.18	NO	1.0261	10.002	36.38	1.000	0.746		0.0560	0.746
7 OCDD	2.25e4	0.67	NO	1.0515	10.002	41.47	1.000	4.65		0.106	4.65
8 2,3,7,8-TCDF	9.95e2	0.99	YES	0.9154	10.002	24.76	1.001	0.0708		0.0482	0.0631
9 1,2,3,7,8-PeCDF	8.48e2	1.94	YES	0.9594	10.002	29.78	1.001	0.0666		0.0588	0.0577
10 2,3,4,7,8-PeCDF	1.25e3	1.87	YES	1.0035	10.002	30.82	1.000	0.0969		0.0589	0.0879
11 1,2,3,4,7,8-HxCDF	7.96e2	1.49	YES	1.0361	10.002	32.72	1.000	0.0514		0.0256	0.0823
12 1,2,3,6,7,8-HxCDF	6.60e2	1.82	YES	1.0126	10.002	32.83	1.000	0.0674		0.0294	0.0577
13 2,3,4,6,7,8-HxCDF	5.73e2	1.00	YES	1.0920	10.002	34.41	1.000	0.0626		0.0327	0.0568
14 1,2,3,7,8,9-HxCDF			NO	1.0268	10.002					0.0479	
15 1,2,3,4,6,7,8-HpCDF	2.62e3	0.92	NO	1.0483	10.002	36.97	1.000	0.451		0.0796	0.451
16 1,2,3,4,7,8,9-HpCDF			NO	1.2099	10.002					0.100	
17 OCDF	2.57e3	0.93	NO	0.9488	10.002	41.07	1.001	0.585		0.0721	0.585
18 1,2,3,7,8-TCDF	2.49e6	0.76	NO	1.1842	10.002	25.75	1.030	175	39.6	0.136	
19 1,2,3,7,8-PeCDD	1.52e6	0.83	NO	0.8644	10.002	31.14	1.246	150	85.9	0.196	
20 1,2,3,4,7,8-HxCDD	1.25e6	1.26	NO	0.7529	10.002	34.57	1.014	162	81.1	0.268	

200410R2_7
PDI-0645C-A-04-05-190929 2000787-01 PDI-0645C-A-04-05-190929 17 72

OCDF 41.67.1237.45.15564

40.01 40.27 40.53 40.85 40.95 40.88 41.11 41.25 41.44 41.90 41.93 42.16 42.29 42.52 42.87 43.12 43.57 43.76 43.80 44.49 44.90

FS voltage 50V EI+
441743
1915e-004

200410R2_7
PDI-0645C-A-04-05-190929 2000787-01 PDI-0645C-A-04-05-190929 17 72

OCDF 41.66.1336.61.15147

40.09 40.27 40.52 40.73 40.85 40.89 41.29 41.55 41.74 41.81 41.92 42.23 42.33 42.43 42.59 42.83 43.00 43.16 43.27 43.52 43.81 43.74 44.02 44.20 44.54 44.59 44.77 44.92

FS voltage 50V EI+
443746
1651e-004

200410R2_7
PDI-0645C-A-04-05-190929 2000787-01 PDI-0645C-A-04-05-190929 17 72

13C-OCDF 41.64.894195.69.9824063

40.00 40.20 40.40 40.60 40.80 41.00 41.20 41.40 41.60 41.80 42.00 42.20 42.40 42.60 42.80 43.00 43.20 43.40 43.60 43.80 44.00 44.20 44.40 44.60 44.80 45.00

FS voltage 50V EI+
4517621
8806e-006

200410R2_7
PDI-0645C-A-04-05-190929 2000787-01 PDI-0645C-A-04-05-190929 17 72

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FS voltage 50V EI+
468799
1149e-007

Ready

200410R2_7 CAP_NUM 8:47 AM

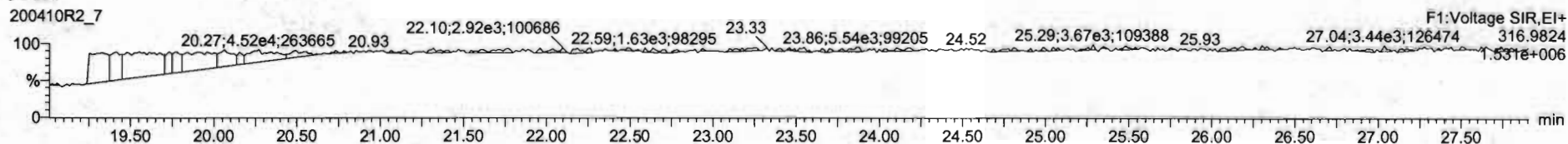
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time

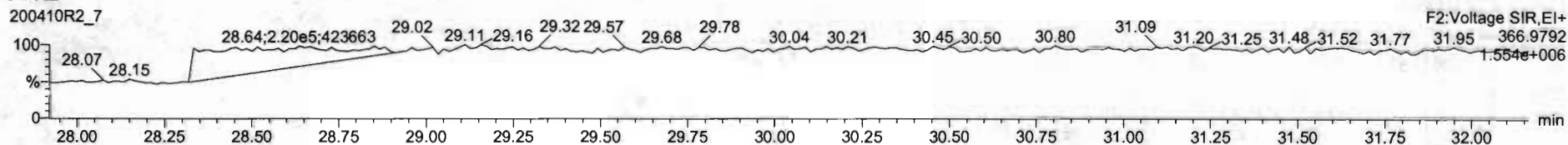
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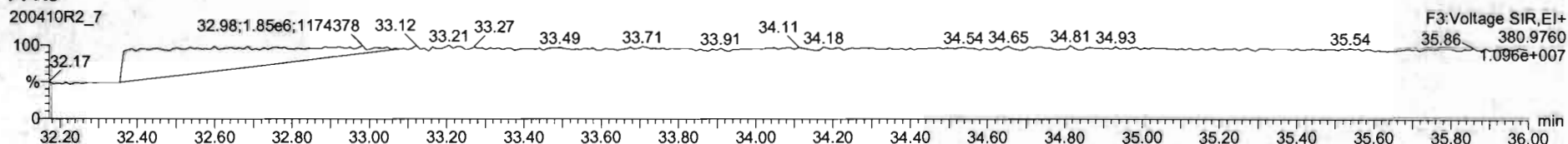
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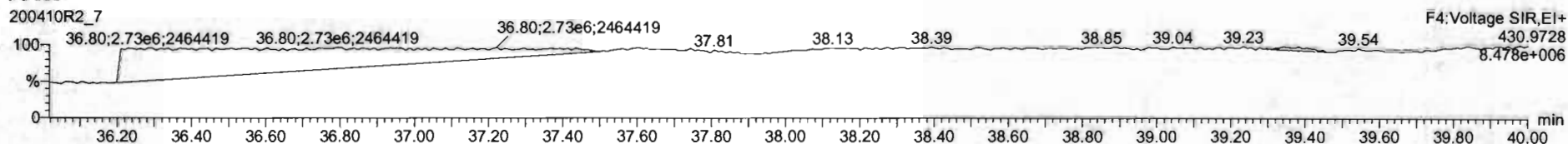
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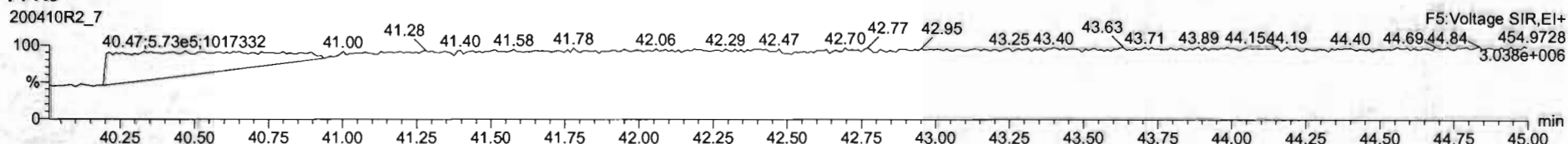
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200410R2\200410R2-6B.qld

Last Altered: Tuesday, April 14, 2020 12:44:41 Pacific Daylight Time
Printed: Tuesday, April 14, 2020 12:45:03 Pacific Daylight Time

GRB 04/14/2020

Method: Untitled 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

CT 04/14/2020

Name: 200410R2_6, Date: 11-Apr-2020, Time: 00:43:19, ID: B0D0081-DUP1 Duplicate 17.78, 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	1.80e3	0.29	YES	0.983	10.036	25.796	25.80	1.001	1.001	0.15120		0.0613	0.0773
2	2 1,2,3,7,8-PeCDD				0.921	10.036	31.177		1.001				0.0377	
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.036	34.601		1.000				0.0520	
4	4 1,2,3,6,7,8-HxCDD	9.02e2	1.18	NO	0.984	10.036	34.697	34.73	1.000	1.001	0.11097		0.0525	0.111
5	5 1,2,3,7,8,9-HxCDD	1.07e3	1.32	NO	0.967	10.036	34.974	34.95	1.000	1.000	0.14513		0.0574	0.145
6	6 1,2,3,4,6,7,8-HpCDD	4.69e3	1.00	NO	1.01	10.036	38.405	38.41	1.000	1.001	0.81110		0.0831	0.811
7	7 OCDD	2.66e4	0.82	NO	1.05	10.036	41.492	41.50	1.000	1.000	5.4705		0.116	5.47
8	8 2,3,7,8-TCDF	2.40e3	0.81	NO	0.915	10.036	24.772	24.78	1.001	1.001	0.17014		0.0374	0.170
9	9 1,2,3,7,8-PeCDF	1.16e3	1.49	NO	0.959	10.036	29.803	29.81	1.001	1.001	0.090032		0.0337	0.0900
10	10 2,3,4,7,8-PeCDF	1.21e3	1.36	NO	1.00	10.036	30.855	30.85	1.001	1.000	0.095120		0.0302	0.0951
11	11 1,2,3,4,7,8-HxCDF	9.01e2	1.14	NO	1.04	10.036	33.739	33.76	1.000	1.001	0.097268		0.0303	0.0973
12	12 1,2,3,6,7,8-HxCDF	6.95e2	1.26	NO	1.01	10.036	33.866	33.87	1.000	1.000	0.068400		0.0299	0.0684
13	13 2,3,4,6,7,8-HxCDF	8.21e2	1.12	NO	1.09	10.036	34.465	34.45	1.001	1.001	0.087228		0.0334	0.0872
14	14 1,2,3,7,8,9-HxCDF			NO	1.03	10.036	35.294		1.000				0.0469	
15	15 1,2,3,4,6,7,8-HpCDF	1.87e3	1.05	NO	1.05	10.036	37.035	37.00	1.001	1.000	0.27639		0.0404	0.276
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.036	39.053		1.000				0.0574	
17	17 OCDF	1.98e3	0.72	YES	0.947	10.036	41.673	41.68	1.000	1.000	0.40926		0.0482	0.363
18	18 13C-2,3,7,8-TCDD	2.42e6	0.77	NO	1.18	10.036	25.735	25.76	1.029	1.030	177.58	89.1	0.144	
19	19 13C-1,2,3,7,8-PeCDD	1.82e6	0.63	NO	0.864	10.036	30.919	31.16	1.236	1.245	183.38	92.0	0.174	
20	20 13C-1,2,3,4,7,8-HxCDD	1.34e6	1.27	NO	0.754	10.036	34.596	34.59	1.014	1.014	169.57	85.1	0.189	
21	21 13C-1,2,3,6,7,8-HxCDD	1.65e6	1.27	NO	0.925	10.036	34.705	34.70	1.017	1.017	169.96	85.3	0.154	
22	22 13C-1,2,3,7,8,9-HxCDD	1.52e6	1.22	NO	0.829	10.036	34.968	34.96	1.025	1.025	175.50	88.1	0.172	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.14e6	1.05	NO	0.598	10.036	38.442	38.39	1.127	1.125	182.91	91.8	0.295	
24	24 13C-OCDD	1.84e6	0.89	NO	0.571	10.036	41.605	41.49	1.219	1.216	308.00	77.3	0.283	
25	25 13C-2,3,7,8-TCDF	3.08e6	0.77	NO	1.09	10.036	24.757	24.75	0.990	0.989	166.75	83.7	0.169	
26	26 13C-1,2,3,7,8-PeCDF	2.67e6	1.59	NO	0.876	10.036	29.590	29.78	1.183	1.190	180.00	90.3	0.293	
27	27 13C-2,3,4,7,8-PeCDF	2.53e6	1.59	NO	0.844	10.036	30.601	30.83	1.223	1.233	177.16	88.9	0.304	
28	28 13C-1,2,3,4,7,8-HxCDF	1.78e6	0.51	NO	1.00	10.036	33.740	33.74	0.989	0.989	169.93	85.3	0.211	
29	29 13C-1,2,3,6,7,8-HxCDF	2.00e6	0.51	NO	1.12	10.036	33.849	33.86	0.992	0.992	171.07	85.8	0.189	
30	30 13C-2,3,4,6,7,8-HxCDF	1.72e6	0.51	NO	1.04	10.036	34.433	34.43	1.009	1.009	158.51	79.5	0.204	
31	31 13C-1,2,3,7,8,9-HxCDF	1.48e6	0.50	NO	0.873	10.036	35.309	35.29	1.035	1.034	162.01	81.3	0.242	

Dataset: U:\WG12.PRO\Results\200410R2\200410R2-6B.qld

Last Altered: Tuesday, April 14, 2020 12:44:41 Pacific Daylight Time

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Name: 200410R2_6, Date: 11-Apr-2020, Time: 00:43:19, ID: B0D0081-DUP1 Duplicate 17.78, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.28e6	0.42	NO	0.771	10.036	37.033	37.00	1.085	1.084	159.14	79.9	0.237	
33	13C-1,2,3,4,7,8,9-HpCDF	8.54e5	0.43	NO	0.519	10.036	39.128	39.05	1.147	1.145	157.25	78.9	0.351	
34	13C-OCDF	2.04e6	0.87	NO	0.696	10.036	41.786	41.67	1.225	1.221	279.52	70.1	0.212	
35	37Cl-2,3,7,8-TCDD	9.31e5			1.17	10.036	25.745	25.80	1.029	1.031	68.960	86.5	0.0366	
36	13C-1,2,3,4-TCDD	2.29e6	0.79	NO	1.00	10.036	25.050	25.02	1.000	1.000	199.28	100	0.170	
37	13C-1,2,3,4-TCDF	3.37e6	0.79	NO	1.00	10.036	23.190	23.03	1.000	1.000	199.28	100	0.184	
38	13C-1,2,3,4,6,9-HxCDF	2.08e6	0.51	NO	1.00	10.036	34.040	34.12	1.000	1.000	199.28	100	0.212	
39	Total Tetra-Dioxins				0.983	10.036	24.620		0.000		1.0903		0.0613	1.52
40	Total Penta-Dioxins				0.921	10.036	29.960		0.000		0.63713		0.0566	1.05
41	Total Hexa-Dioxins				0.984	10.036	33.635		0.000		1.7760		0.0560	1.78
42	Total Hepta-Dioxins				1.01	10.036	37.640		0.000		2.0985		0.0831	2.10
43	Total Tetra-Furans				0.915	10.036	23.610		0.000		3.7810		0.0374	3.78
44	1st Func. Penta-Furans				0.959	10.036	27.090		0.000		0.12733		0.0126	0.127
45	Total Penta-Furans				0.959	10.036	29.275		0.000		1.1196		0.0327	1.27
46	Total Hexa-Furans				1.09	10.036	33.555		0.000		0.56822		0.0329	0.568
47	Total Hepta-Furans				1.05	10.036	37.835		0.000		0.27639		0.0507	0.276

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-6B.qld

Last Altered: Tuesday, April 14, 2020 12:44:41 Pacific Daylight Time

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Method: Untitled 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

ID: B0D0081-DUP1 Duplicate 17.78, 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	21.38	1.759e4	2.625e4	1.592e3	2.305e3	0.69	NO	3.897e3	0.32656	0.32656	0.0613
2	Total Tetra-Dioxins	21.77	1.514e4	1.934e4	1.294e3	1.616e3	0.80	NO	2.910e3	0.24381	0.24381	0.0613
3	Total Tetra-Dioxins	22.26	5.388e3	6.308e3	3.491e2	5.386e2	0.65	YES	0.000e0	0.00000	0.067238	0.0613
4	Total Tetra-Dioxins	23.25	2.265e4	3.055e4	1.953e3	2.489e3	0.78	NO	4.442e3	0.37219	0.37219	0.0613
5	Total Tetra-Dioxins	23.55	4.537e3	4.289e3	6.182e2	6.626e2	0.93	YES	0.000e0	0.00000	0.098269	0.0613
6	Total Tetra-Dioxins	23.83	5.397e3	5.853e3	4.982e2	4.803e2	1.04	YES	0.000e0	0.00000	0.071225	0.0613
7	Total Tetra-Dioxins	24.60	6.082e3	6.027e3	3.601e2	3.806e2	0.95	YES	0.000e0	0.00000	0.056438	0.0613
8	Total Tetra-Dioxins	25.02	5.931e3	6.593e3	4.735e2	5.899e2	0.80	NO	1.063e3	0.089100	0.089100	0.0613
9	2,3,7,8-TCDD	25.80	6.240e3	1.719e4	4.015e2	1.403e3	0.29	YES	1.804e3	0.00000	0.077330	0.0613
10	Total Tetra-Dioxins	26.15	4.570e3	5.663e3	2.944e2	4.559e2	0.65	YES	0.000e0	0.00000	0.056697	0.0613
11	Total Tetra-Dioxins	26.87	5.886e3	6.094e3	3.094e2	3.903e2	0.79	NO	6.997e2	0.058629	0.058629	0.0613

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.81	1.057e4	1.759e4	8.175e2	1.286e3	0.64	NO	2.103e3	0.24959	0.24959	0.0566
2	Total Penta-Dioxins	29.34	8.562e3	1.980e4	5.846e2	1.111e3	0.53	YES	0.000e0	0.00000	0.17949	0.0566
3	Total Penta-Dioxins	29.87	5.681e3	1.268e4	3.985e2	6.645e2	0.60	NO	1.063e3	0.12615	0.12615	0.0566
4	Total Penta-Dioxins	30.04	3.622e3	7.761e3	2.042e2	4.519e2	0.45	YES	0.000e0	0.00000	0.062693	0.0566
5	Total Penta-Dioxins	30.13	7.270e3	1.019e4	4.208e2	4.834e2	0.87	YES	0.000e0	0.00000	0.093500	0.0566
6	Total Penta-Dioxins	30.38	7.146e3	1.095e4	3.483e2	4.233e2	0.82	YES	0.000e0	0.00000	0.081889	0.0566
7	Total Penta-Dioxins	30.42	8.853e3	1.075e4	3.709e2	5.239e2	0.71	NO	8.948e2	0.10619	0.10619	0.0566
8	Total Penta-Dioxins	30.73	6.484e3	6.782e3	2.531e2	3.677e2	0.69	NO	6.209e2	0.073678	0.073678	0.0566
9	Total Penta-Dioxins	31.60	4.232e3	7.422e3	2.562e2	4.308e2	0.59	NO	6.870e2	0.081527	0.081527	0.0566

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-6B.qld

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ID: B0D0081-DUP1 Duplicate 17.78, Description: Duplicate

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.13	6.746e4	5.743e4	3.494e3	2.793e3	1.25	NO	6.287e3	0.84739	0.84739	0.0560
2	Total Hexa-Dioxins	33.71	1.733e4	1.245e4	9.645e2	6.990e2	1.38	NO	1.663e3	0.22421	0.22421	0.0560
3	Total Hexa-Dioxins	33.95	2.724e4	2.234e4	1.911e3	1.414e3	1.35	NO	3.326e3	0.44825	0.44825	0.0560
4	1,2,3,6,7,8-HxCDD	34.73	8.426e3	8.094e3	4.885e2	4.135e2	1.18	NO	9.020e2	0.11097	0.11097	0.0525
5	1,2,3,7,8,9-HxCDD	34.95	9.694e3	9.747e3	6.110e2	4.619e2	1.32	NO	1.073e3	0.14513	0.14513	0.0574

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.39	4.924e4	4.545e4	3.857e3	3.582e3	1.08	NO	7.440e3	1.2874	1.2874	0.0831
2	1,2,3,4,6,7,8-HpCDD	38.41	3.009e4	3.681e4	2.343e3	2.345e3	1.00	NO	4.687e3	0.8111C	0.8111C	0.0831

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-6B.qld

Last Altered: Tuesday, April 14, 2020 12:44:41 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 12:45:03 Pacific Daylight Time

ID: B0D0081-DUP1 Duplicate 17.78, Description: Duplicate

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.37	1.411e4	1.577e4	9.633e2	1.247e3	0.77	NO	2.211e3	0.15644	0.15644	0.0374
2	Total Tetra-Furans	19.87	7.218e3	8.533e3	6.098e2	7.377e2	0.83	NO	1.347e3	0.095360	0.095360	0.0374
3	Total Tetra-Furans	20.45	4.044e4	5.666e4	3.420e3	4.711e3	0.73	NO	8.131e3	0.57540	0.57540	0.0374
4	Total Tetra-Furans	20.83	7.692e3	1.074e4	5.534e2	8.226e2	0.67	NO	1.376e3	0.097373	0.097373	0.0374
5	Total Tetra-Furans	20.93	1.862e4	2.934e4	2.427e3	3.405e3	0.71	NO	5.832e3	0.41269	0.41269	0.0374
6	Total Tetra-Furans	21.22	4.162e3	7.395e3	3.138e2	3.790e2	0.83	NO	6.928e2	0.049030	0.049030	0.0374
7	Total Tetra-Furans	21.38	1.272e4	1.946e4	1.432e3	2.028e3	0.71	NO	3.460e3	0.24488	0.24488	0.0374
8	Total Tetra-Furans	21.77	7.685e3	1.067e4	6.898e2	1.019e3	0.68	NO	1.709e3	0.12092	0.12092	0.0374
9	Total Tetra-Furans	21.92	7.649e3	7.352e3	5.056e2	6.879e2	0.74	NO	1.194e3	0.084464	0.084464	0.0374
10	Total Tetra-Furans	22.13	7.838e3	1.141e4	6.455e2	9.664e2	0.67	NO	1.612e3	0.11407	0.11407	0.0374
11	Total Tetra-Furans	22.59	7.613e3	8.983e3	6.609e2	8.228e2	0.80	NO	1.484e3	0.10500	0.10500	0.0374
12	Total Tetra-Furans	22.71	1.083e4	1.262e4	9.001e2	1.184e3	0.76	NO	2.084e3	0.14751	0.14751	0.0374
13	Total Tetra-Furans	22.95	1.061e4	1.419e4	1.056e3	1.230e3	0.86	NO	2.287e3	0.16183	0.16183	0.0374
14	Total Tetra-Furans	23.06	1.644e4	2.473e4	1.811e3	2.561e3	0.71	NO	4.373e3	0.30944	0.30944	0.0374
15	Total Tetra-Furans	23.66	1.502e4	1.846e4	1.242e3	1.648e3	0.75	NO	2.890e3	0.20450	0.20450	0.0374
16	Total Tetra-Furans	24.03	1.056e4	1.194e4	8.194e2	1.105e3	0.74	NO	1.925e3	0.13620	0.13620	0.0374
17	Total Tetra-Furans	24.30	7.133e3	8.874e3	7.358e2	9.563e2	0.77	NO	1.692e3	0.11975	0.11975	0.0374
18	Total Tetra-Furans	24.49	9.328e3	9.231e3	7.110e2	9.430e2	0.75	NO	1.654e3	0.11705	0.11705	0.0374
19	Total Tetra-Furans	24.63	6.634e3	1.388e4	5.049e2	7.366e2	0.69	NO	1.241e3	0.087858	0.087858	0.0374
20	2,3,7,8-TCDF	24.78	1.370e4	1.499e4	1.079e3	1.325e3	0.81	NO	2.404e3	0.17014	0.17014	0.0374
21	Total Tetra-Furans	25.21	2.125e4	2.821e4	1.600e3	2.231e3	0.72	NO	3.831e3	0.27113	0.27113	0.0374

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	27.02	1.157e4	6.326e3	9.994e2	5.952e2	1.68	NO	1.595e3	0.12733	0.12733	0.0126

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-6B.qld

Last Altered: Tuesday, April 14, 2020 12:44:41 Pacific Daylight Time
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9, ID: B01 Name: 200410R2_6, Date: 11-Apr-2020, Time: 00:43:19, ID: B0D0081-DUP1 Duplicate 17.78, Description: Duplicate

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.59	1.940e4	1.843e4	1.470e3	1.069e3	1.38	NO	2.539e3	0.20273	0.20273	0.0327
2	Total Penta-Furans	28.75	1.955e4	9.731e3	1.615e3	9.727e2	1.66	NO	2.588e3	0.20666	0.20666	0.0327
3	Total Penta-Furans	28.82	9.454e3	4.898e3	3.497e2	2.436e2	1.44	NO	5.933e2	0.047374	0.047374	0.0327
4	Total Penta-Furans	29.29	1.343e4	6.840e3	5.808e2	3.816e2	1.52	NO	9.624e2	0.076850	0.076850	0.0327
5	Total Penta-Furans	29.39	9.906e3	1.180e4	5.604e2	5.892e2	0.95	YES	0.000e0	0.00000	0.073617	0.0327
6	Total Penta-Furans	29.43	1.036e4	7.031e3	6.265e2	3.551e2	1.76	NO	0.000e0	0.00000	0.078378	0.0327
7	Total Penta-Furans	29.60	9.958e3	5.167e3	4.447e2	2.818e2	1.58	NO	7.265e2	0.058010	0.058010	0.0327
8	1,2,3,7,8-PeCDF	29.81	1.088e4	9.152e3	6.933e2	4.647e2	1.49	NO	1.158e3	0.090032	0.090032	0.0337
9	Total Penta-Furans	30.04	1.560e4	1.007e4	1.345e3	9.213e2	1.46	NO	2.266e3	0.18096	0.18096	0.0327
10	Total Penta-Furans	30.73	1.586e4	8.576e3	9.657e2	5.545e2	1.74	NO	1.520e3	0.12138	0.12138	0.0327
11	2,3,4,7,8-PeCDF	30.85	1.737e4	1.268e4	6.993e2	5.130e2	1.36	NO	1.212e3	0.095120	0.095120	0.0302
12	Total Penta-Furans	30.87	1.194e4	6.994e3	3.215e2	1.852e2	1.74	NO	5.067e2	0.040463	0.040463	0.0327

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.56	5.783e3	5.764e3	3.081e2	2.492e2	1.24	NO	5.572e2	0.058315	0.058315	0.0329
2	Total Hexa-Furans	32.73	1.540e4	1.547e4	8.268e2	6.828e2	1.21	NO	1.510e3	0.15798	0.15798	0.0329
3	Total Hexa-Furans	33.65	8.293e3	8.830e3	5.034e2	4.428e2	1.14	NO	9.463e2	0.099029	0.099029	0.0329
4	1,2,3,4,7,8-HxCDF	33.76	8.908e3	7.438e3	4.804e2	4.206e2	1.14	NO	9.010e2	0.097268	0.097268	0.0303
5	1,2,3,6,7,8-HxCDF	33.87	8.590e3	7.009e3	3.874e2	3.079e2	1.26	NO	6.953e2	0.068400	0.068400	0.0299
6	2,3,4,6,7,8-HxCDF	34.45	7.684e3	5.660e3	4.328e2	3.878e2	1.12	NO	8.206e2	0.087228	0.087228	0.0334

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.00	1.347e4	1.188e4	9.548e2	9.109e2	1.05	NO	1.866e3	0.27639	0.27639	0.0404

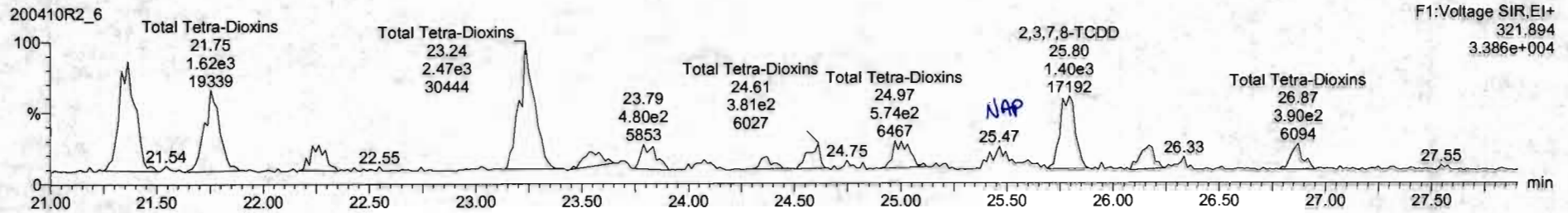
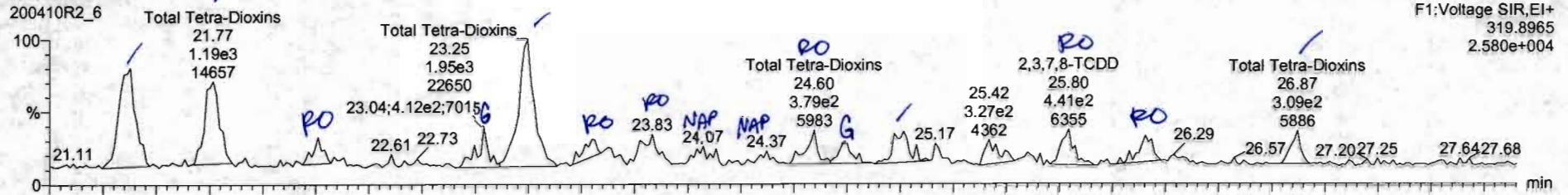
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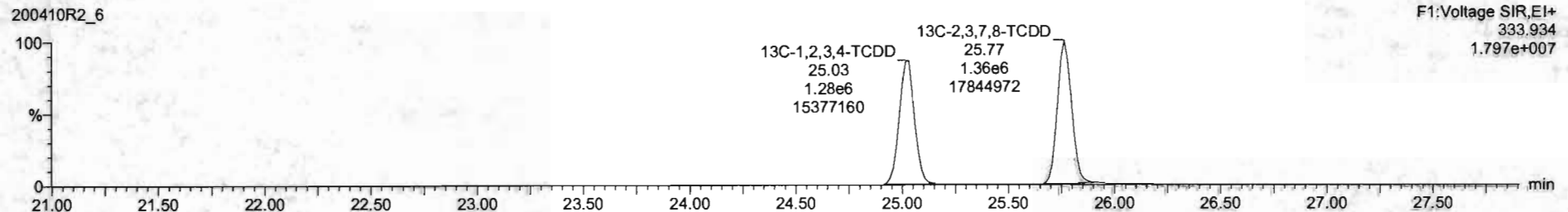
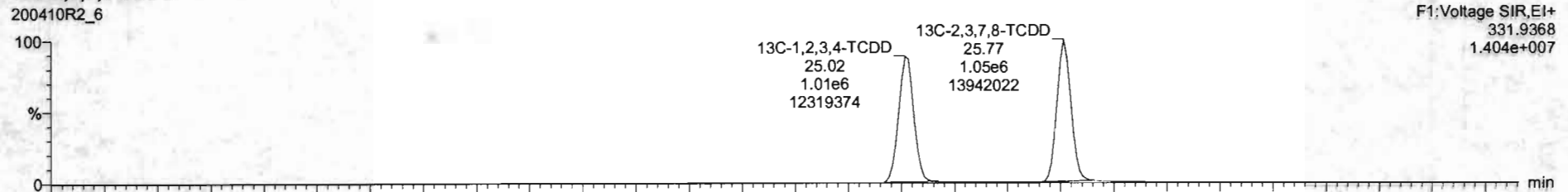
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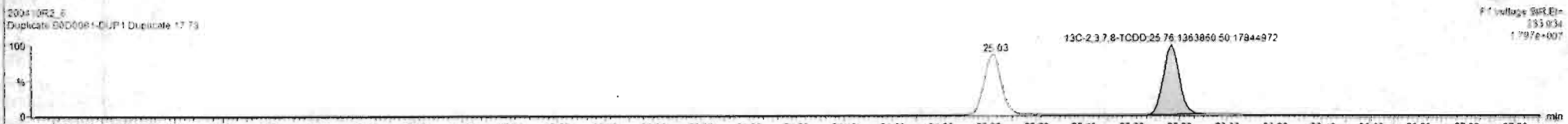
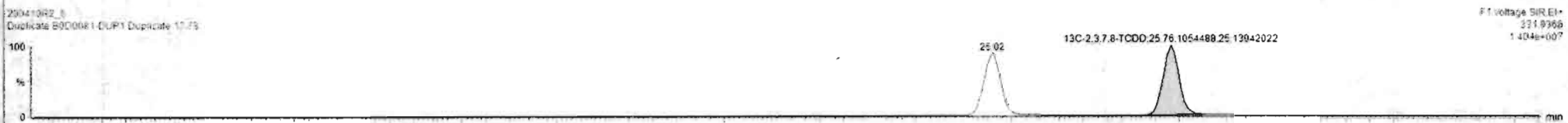
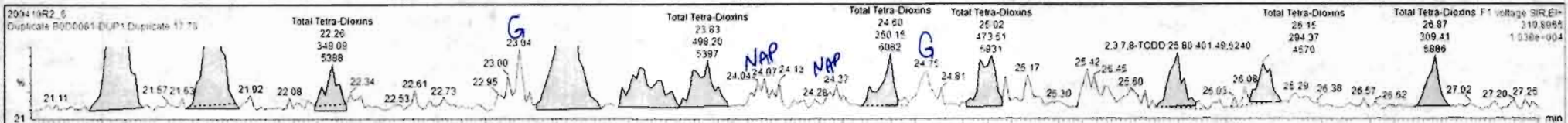
2,3,7,8-TCDD



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



Name	Resp	RA	rvj	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.036			1.09	0.0613	1.52	
40 Total Penta-Dioxins				0.9212	10.036			0.869	0.0566	1.01	
41 Total Hexa-Dioxins				0.9644	10.036			0.873	0.0560	1.84	
42 Total Hepta-Dioxins				1.0061	10.036			2.15	0.0831	2.15	
43 Total Tetra-Furans				0.9154	10.036			2.70	0.0374	3.53	
44 1st Func. Penta-Furans				0.9594	10.036			0.127	0.0126	0.127	
45 Total Penta-Furans				0.9594	10.036			0.950	0.0327	1.26	
46 Total Hexa-Furans				1.0923	10.036			0.567	0.0329	0.587	
47 Total Hepta-Furans				1.0482	10.036			0.277	0.0507	0.277	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											



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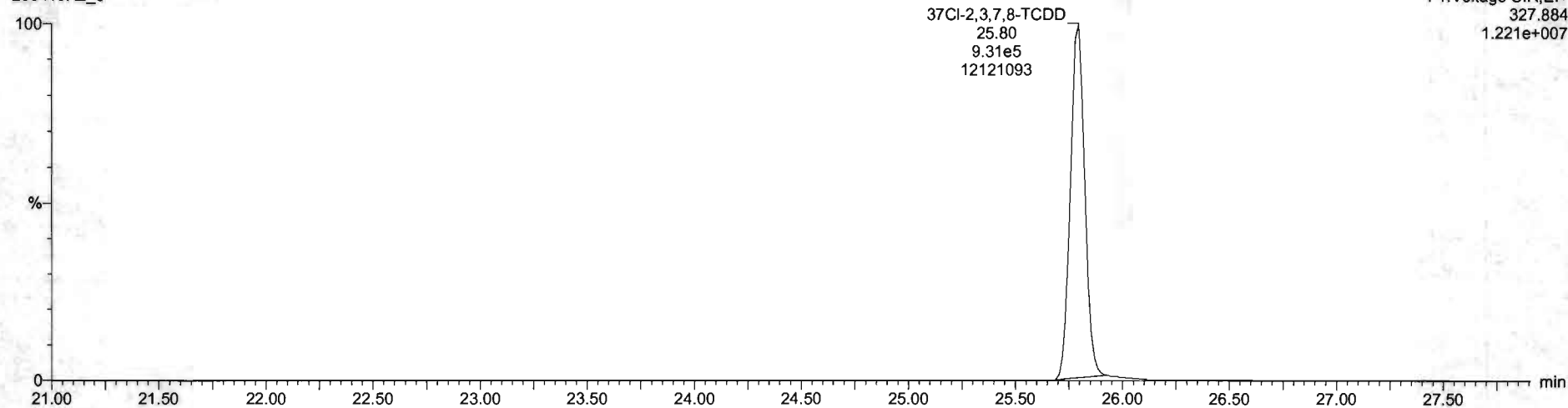
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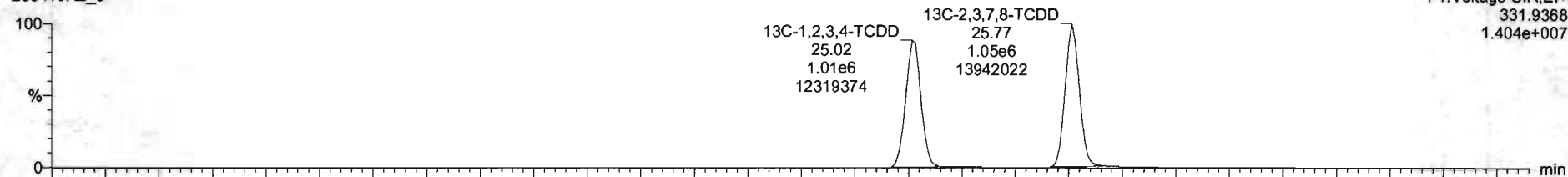
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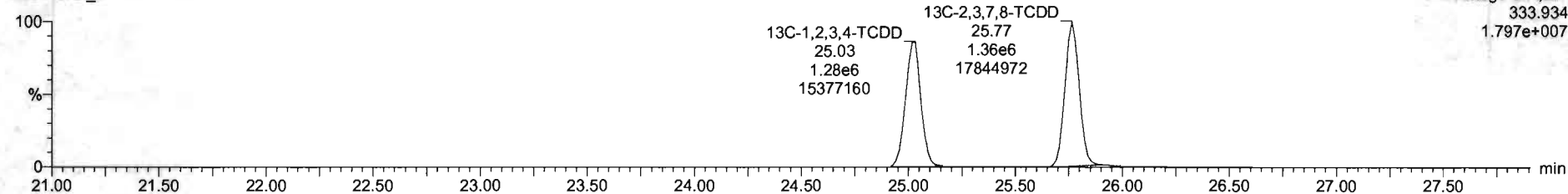


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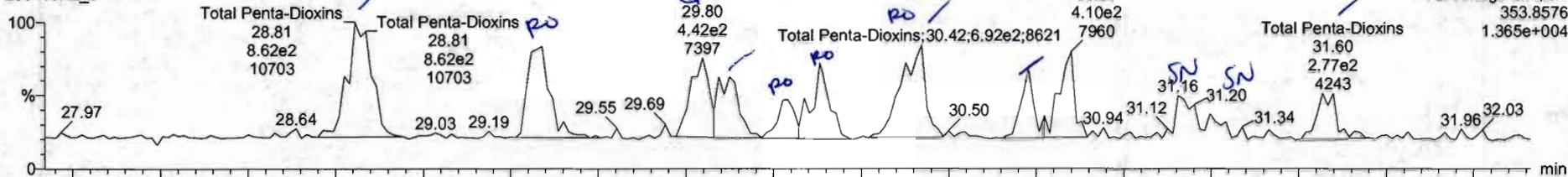
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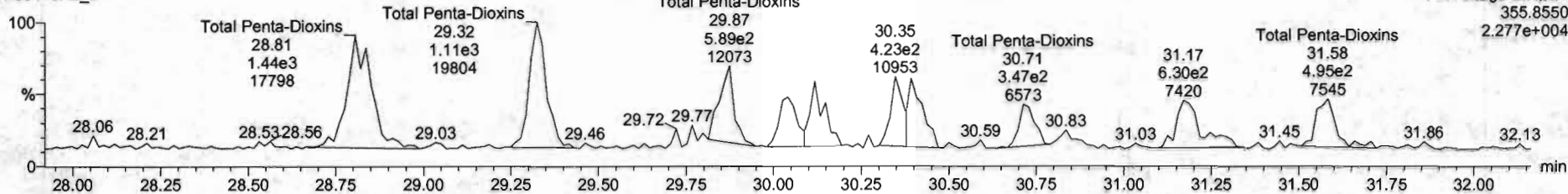
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1.365e+004

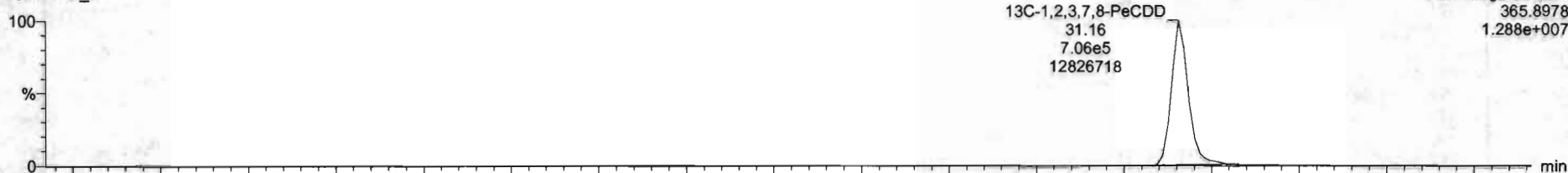
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F2: Voltage SIR, EI+
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2.277e+004

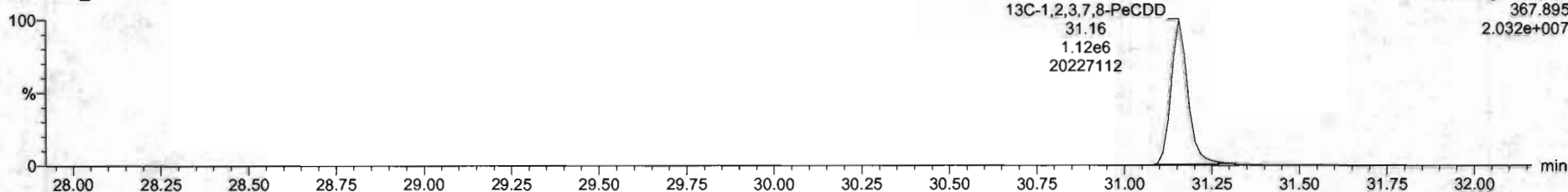
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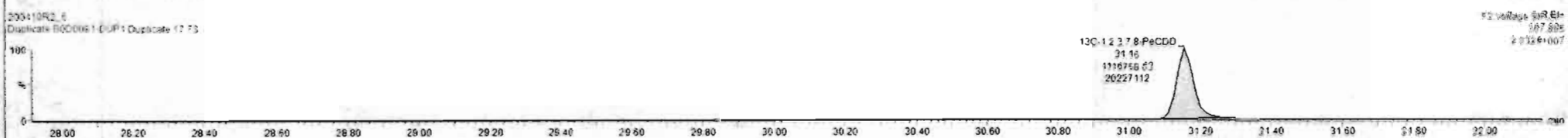
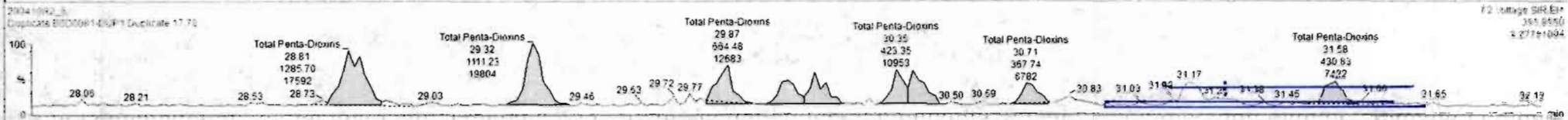
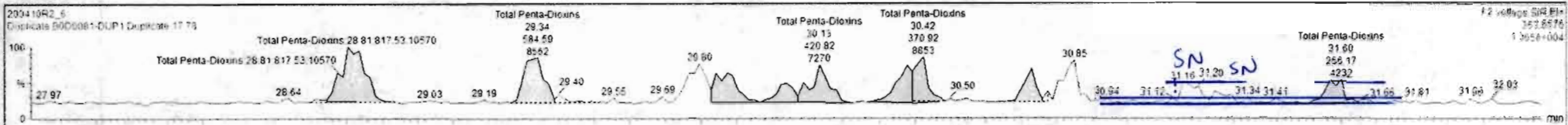
F2: Voltage SIR, EI+
365.8978
1.288e+007

200410R2_6



F2: Voltage SIR, EI+
367.895
2.032e+007

Name	Resp	RA	nty	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.036			1.09		0.0613	1.52
40 Total Penta-Dioxins				0.8212	10.036			0.637		0.0566	1.05
41 Total Hexa-Dioxins				0.9844	10.036			0.873		0.0560	1.54
42 Total Hepta-Dioxins				1.0051	10.036			2.15		0.0621	2.15
43 Total Tetra-Furans				0.9154	10.036			2.70		0.0374	3.53
44 1st Func. Penta-Furans				0.9594	10.036			0.127		0.0126	0.127
45 Total Penta-Furans				0.9594	10.036			0.950		0.0327	1.25
46 Total Hexa-Furans				1.0520	10.036			0.567		0.0329	0.567
47 Total Hepta-Furans				1.0483	10.036			0.277		0.0507	0.277
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											



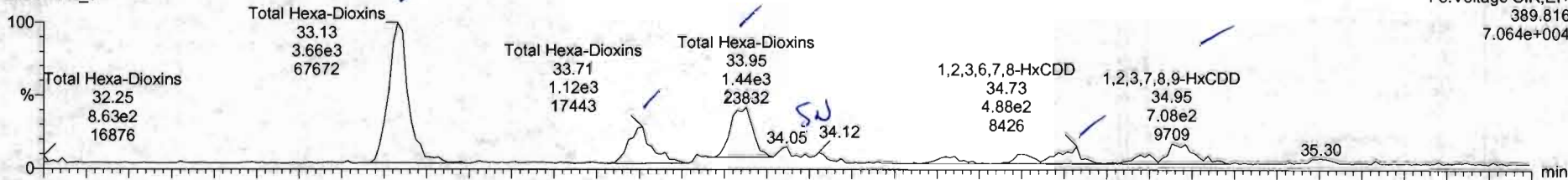
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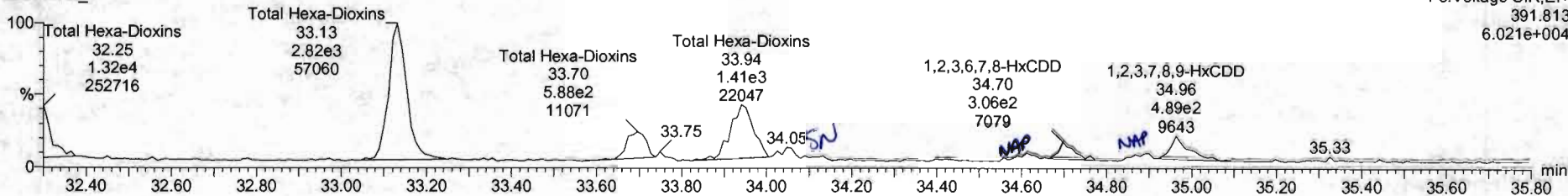
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1,2,3,4,7,8-HxCDD

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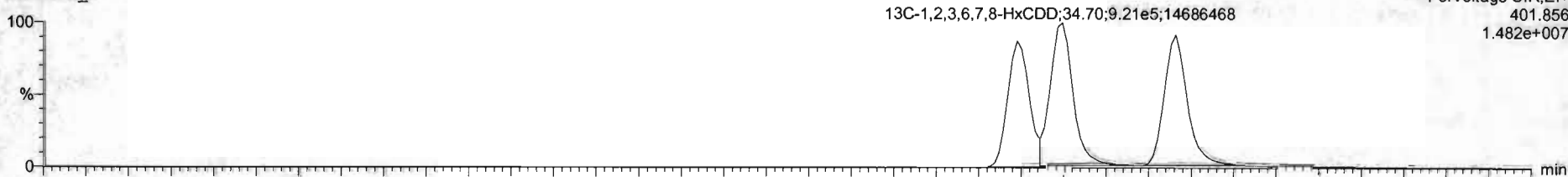


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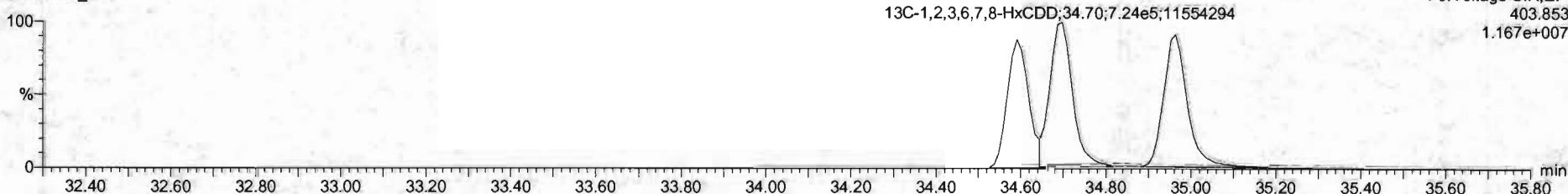


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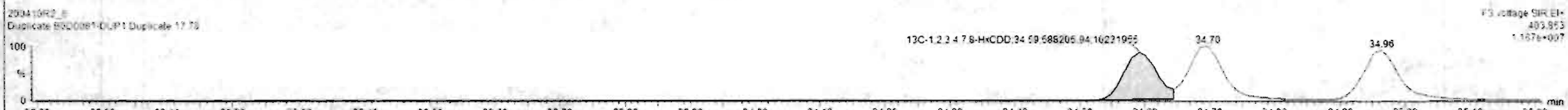
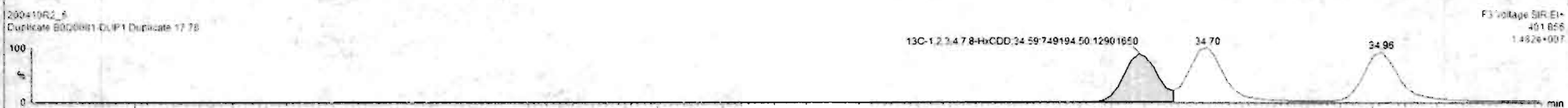
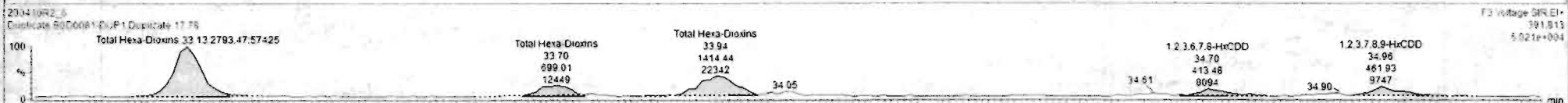
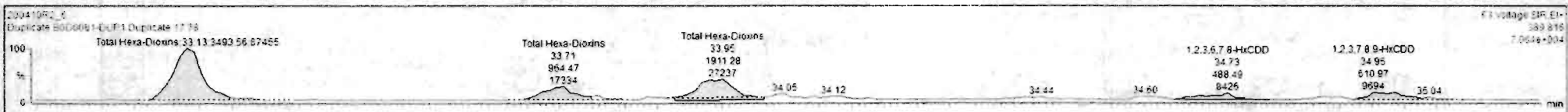
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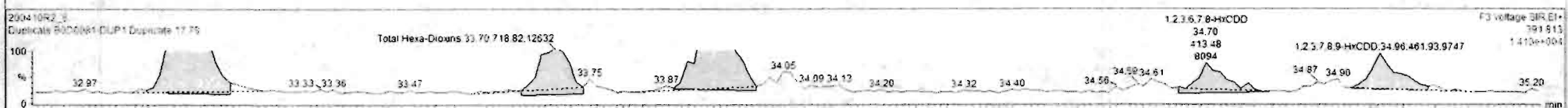
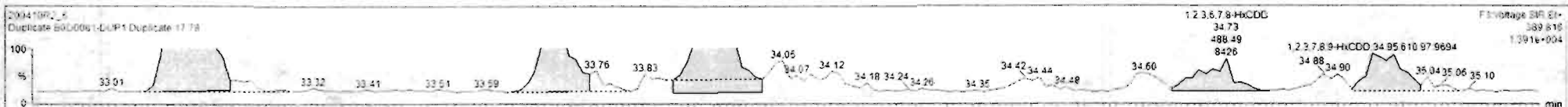
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Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.036			1.05		0.0613	1.52
40 Total Penta-Dioxins				0.9212	10.036			0.837		0.0566	1.95
41 Total Hexa-Dioxins				0.9044	10.036			1.78		0.0560	1.78
42 Total Hepta-Dioxins				1.0061	10.036			2.15		0.0631	2.15
43 Total Tetra-Furans				0.9154	10.036			2.70		0.0374	3.53
44 1st Func. Penta-Furans				0.9564	10.036			0.127		0.0126	0.127
45 Total Penta-Furans				0.9594	10.036			0.950		0.0327	1.25
46 Total Hexa-Furans				1.0520	10.036			0.567		0.0329	0.587
47 Total Hepta-Furans				1.0483	10.036			0.277		0.0507	0.277
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.036			1.06		0.0613	1.52
40 Total Penta-Dioxins				0.9212	10.036			0.837		0.0566	1.05
41 Total Hexa-Dioxins				0.9844	10.036			1.78		0.0560	1.78
42 Total Hepta-Dioxins				1.0521	10.036			2.15		0.0831	2.15
43 Total Tetra-Furans				0.9154	10.036			2.70		0.0374	3.52
44 1st Func. Penta-Furans				0.9594	10.036			0.127		0.0126	0.127
45 Total Penta-Furans				0.9594	10.036			0.950		0.0327	1.25
46 Total Hexa-Furans				1.0520	10.036			0.567		0.0329	0.567
47 Total Hepta-Furans				1.0452	10.036			0.277		0.0507	0.277
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
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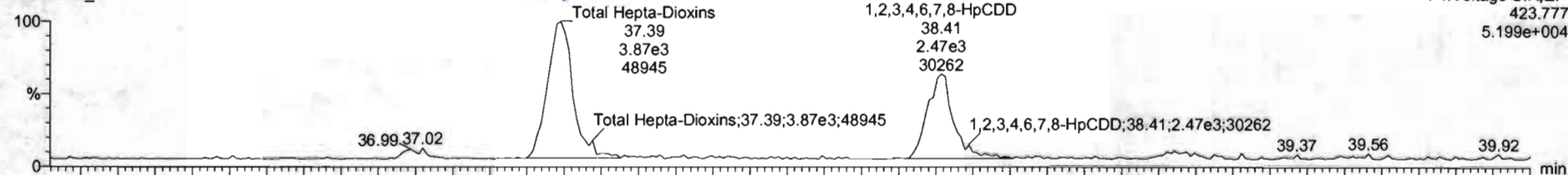
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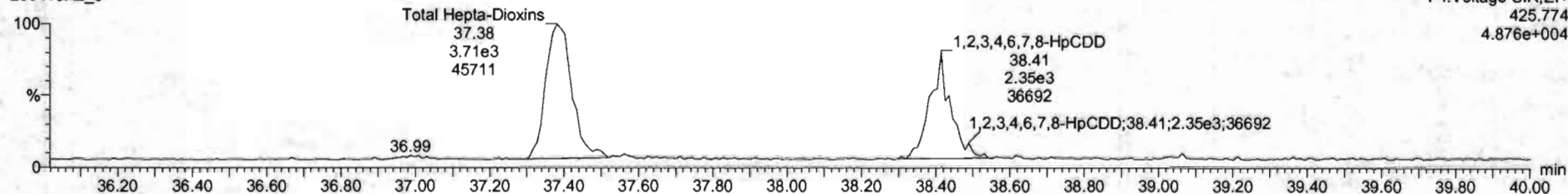
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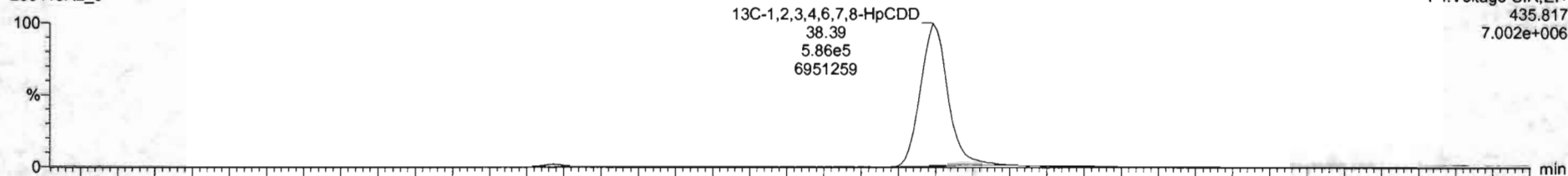


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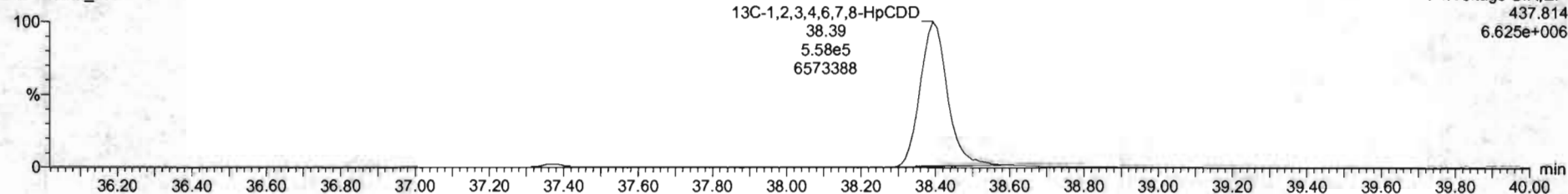


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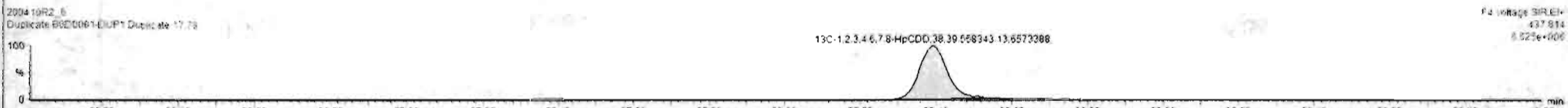
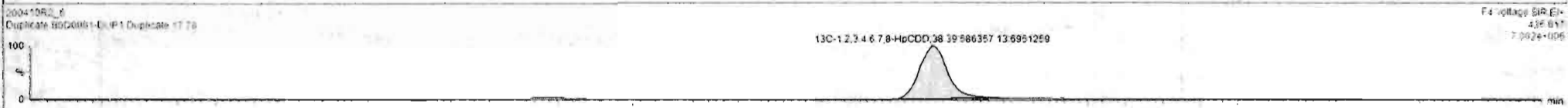
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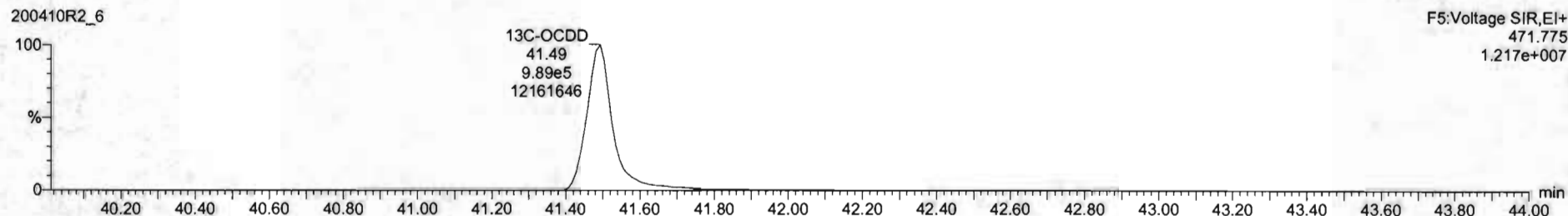
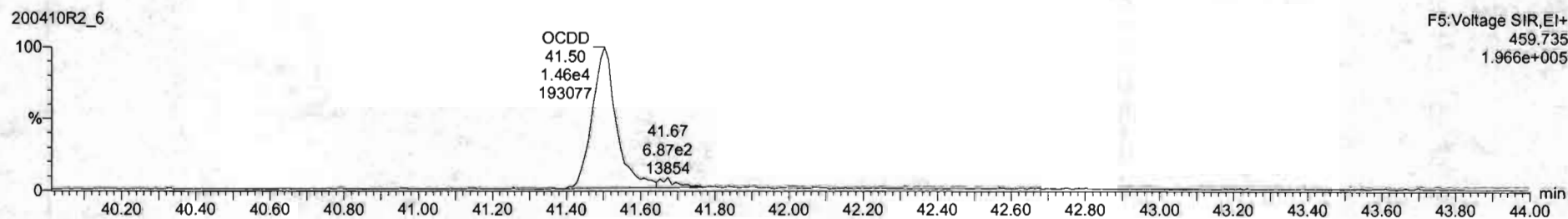
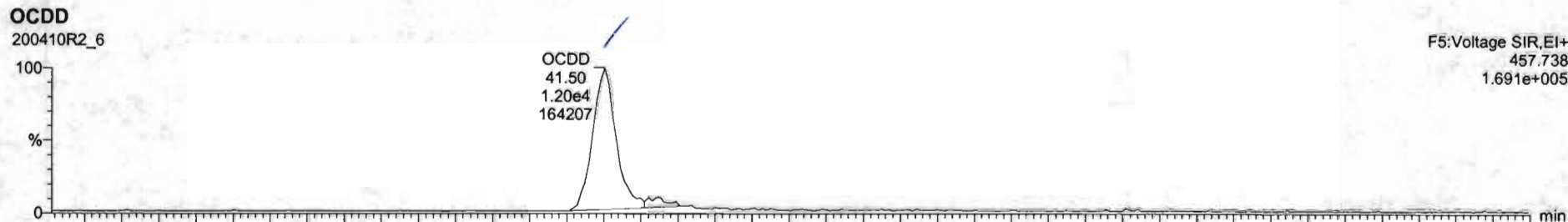
Name	Resp	RA	ny	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.036			1.69		0.0613	1.52
40 Total Penta-Dioxins				0.9212	10.036			0.637		0.0566	1.35
41 Total Hexa-Dioxins				0.9844	10.036			1.78		0.0560	1.78
42 Total Hepta-Dioxins				1.0081	10.036			2.10		0.0831	2.10
43 Total Tetra-Furans				0.9154	10.036			2.70		0.0374	3.53
44 1st Func. Penta-Furans				0.9594	10.036			0.127		0.0126	0.127
45 Total Penta-Furans				0.9594	10.036			0.950		0.0327	1.25
46 Total Hexa-Furans				1.0920	10.036			0.587		0.0329	0.587
47 Total Hepta-Furans				1.0483	10.036			0.277		0.0507	0.277
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

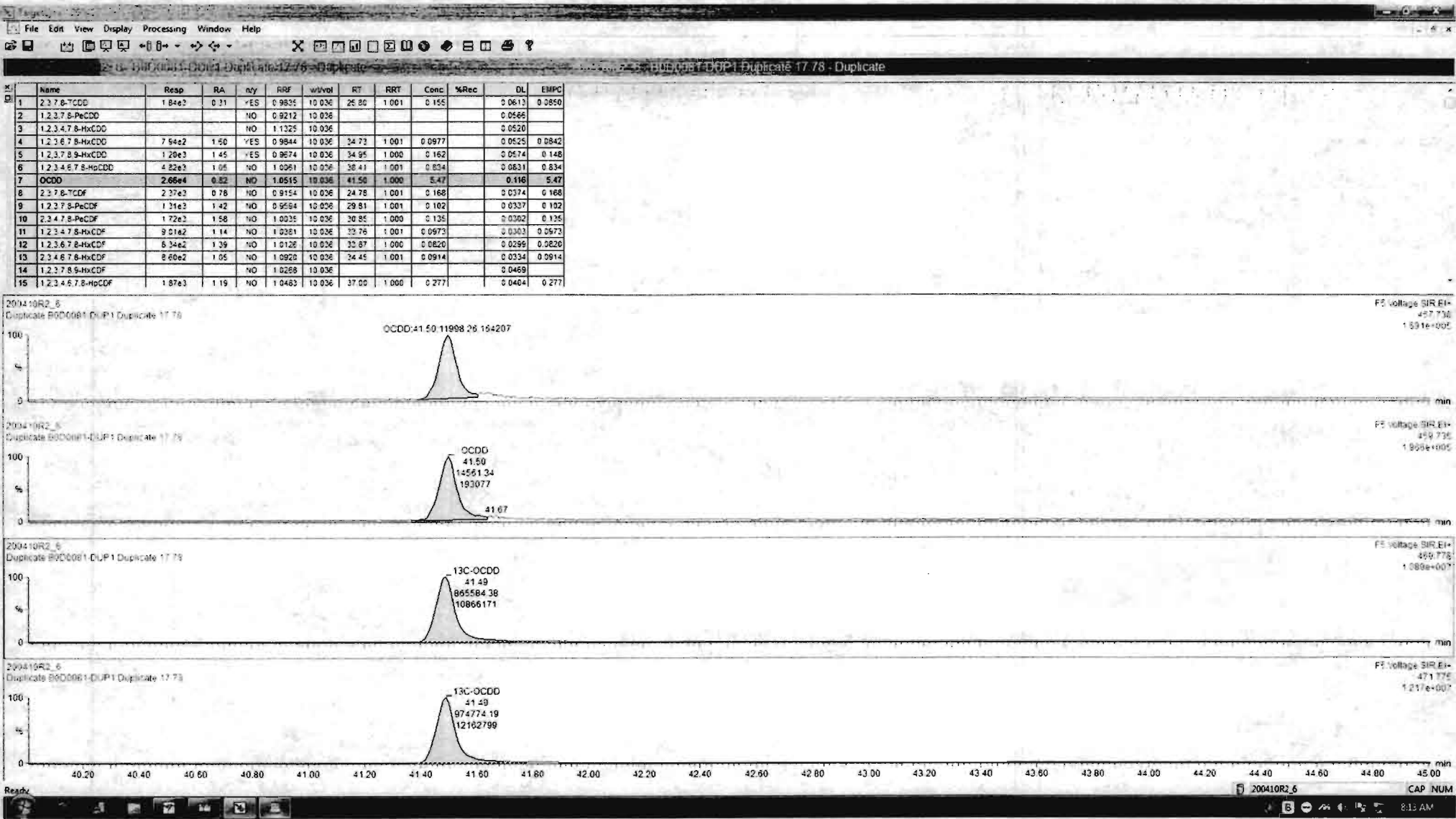


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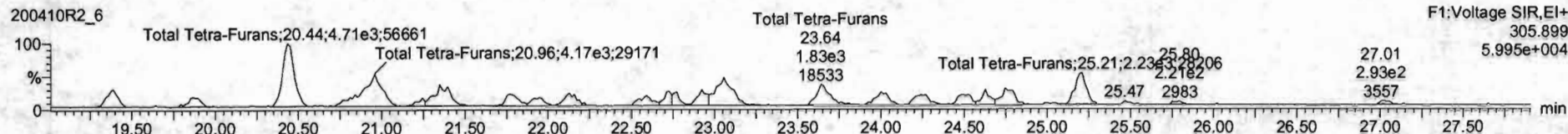
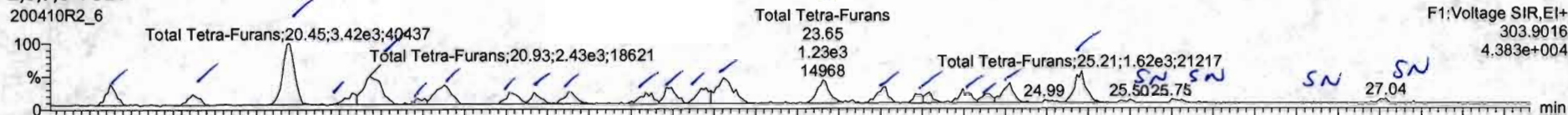


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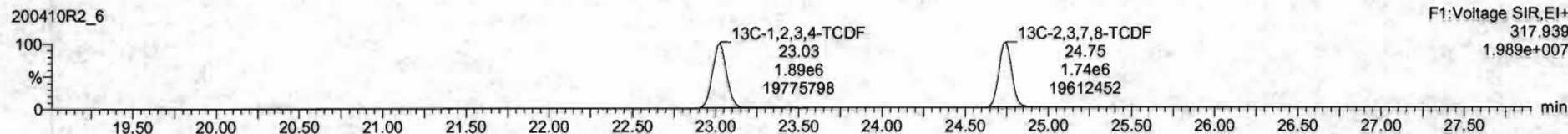
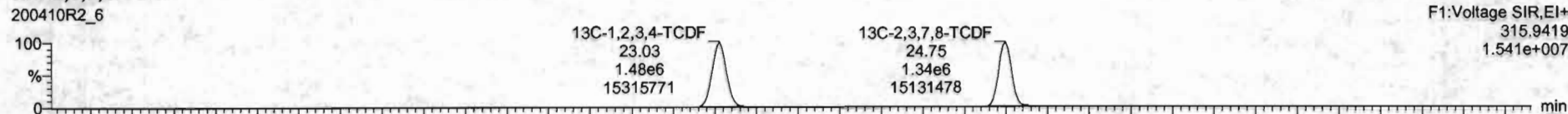
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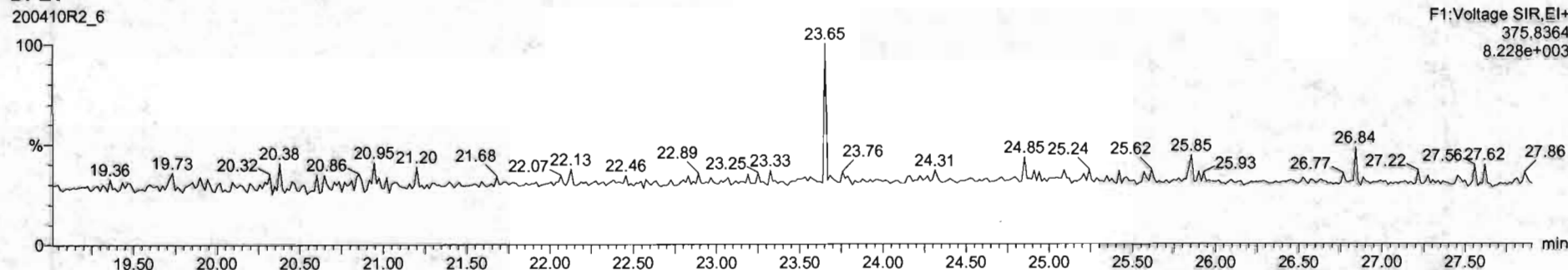
2,3,7,8-TCDF

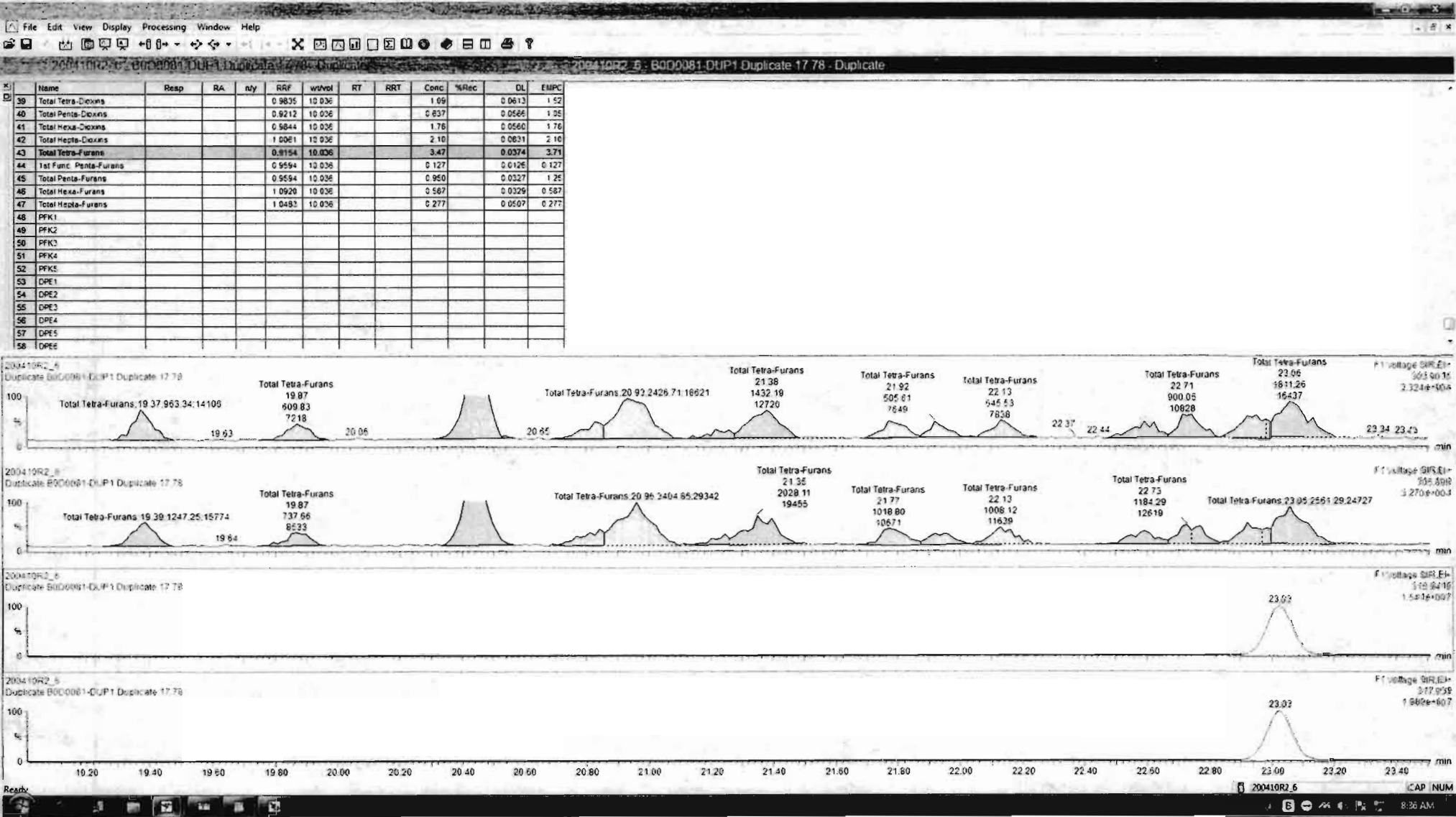


13C-2,3,7,8-TCDF

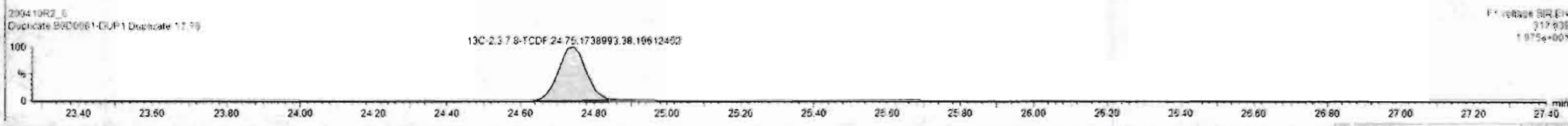
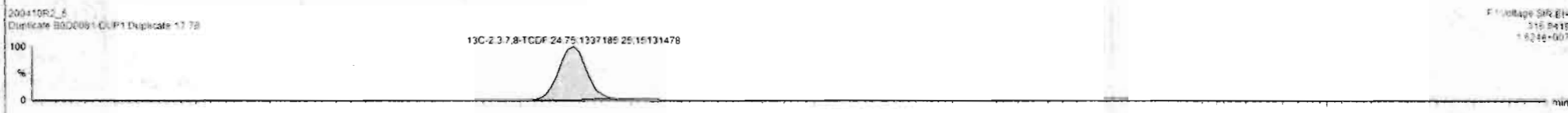
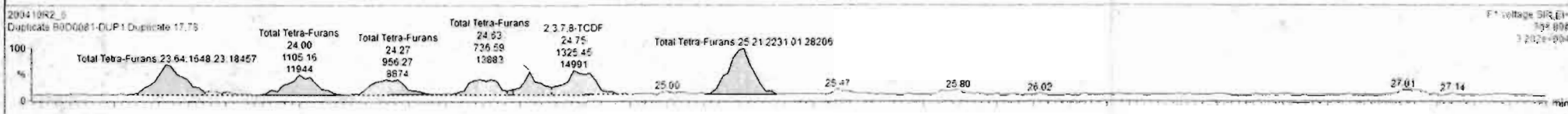
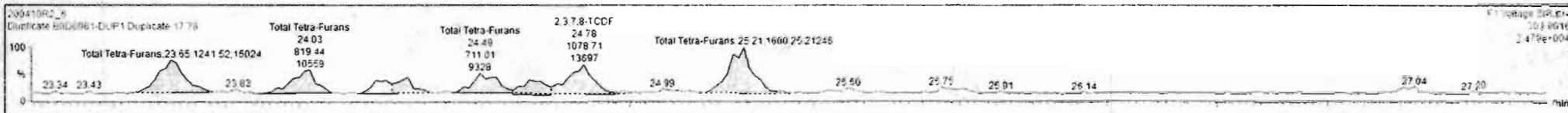


DPE1





Name	Resp	RA	dy	RRF	wtdval	WT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.036			1.05	0.0613	1.52	
40 Total Penta-Dioxins				0.9212	10.036			0.637	0.0566	1.05	
41 Total Hexa-Dioxins				0.9844	10.036			1.76	0.0560	1.78	
42 Total Hepta-Dioxins				1.0061	10.036			2.10	0.0631	2.10	
43 Total Tetra-Furans				0.9154	10.036			3.78	0.0374	3.78	
44 1st Func. Penta-Furans				0.9594	10.036			0.127	0.0126	0.127	
45 Total Penta-Furans				0.9594	10.036			0.950	0.0327	1.25	
46 Total Hexa-Furans				1.0520	10.036			0.587	0.0329	0.587	
47 Total Hepta-Furans				1.0482	10.036			0.277	0.0507	0.277	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



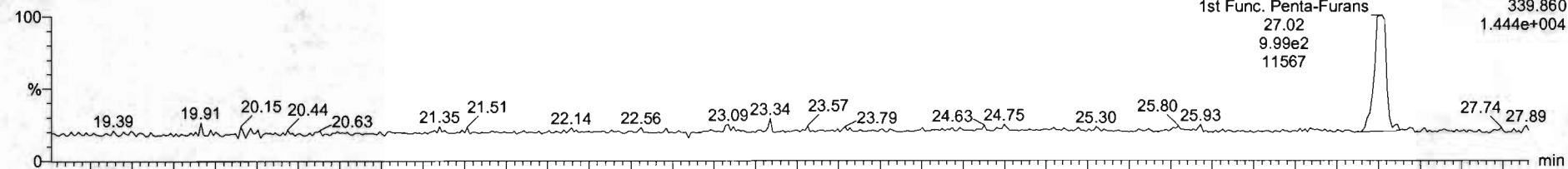
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

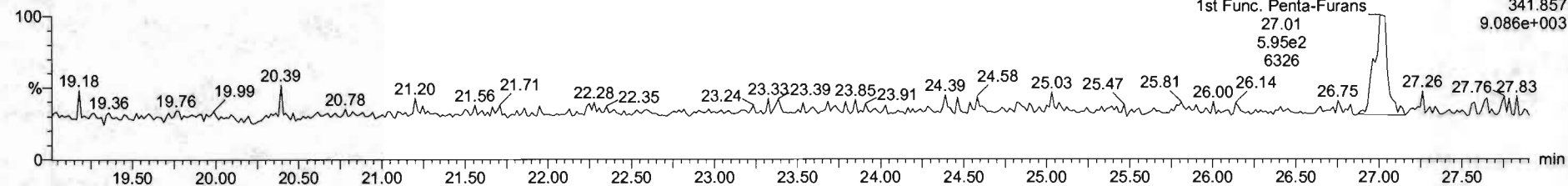
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1st Func. Penta-Furans

200410R2_6

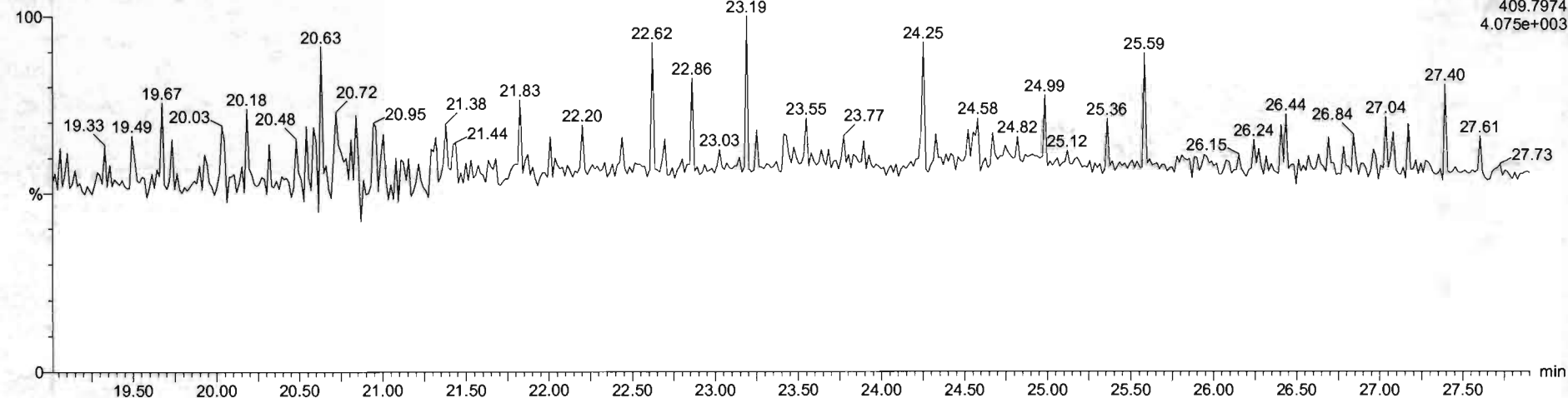


200410R2_6



DPE6

200410R2_6

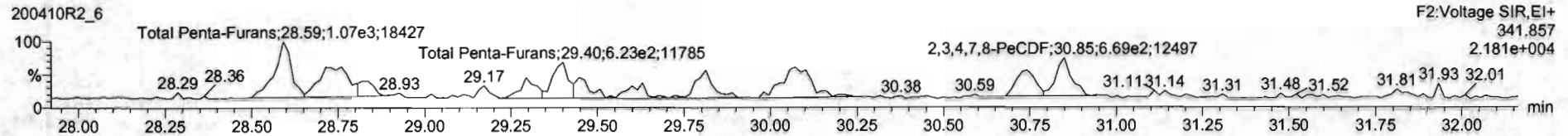
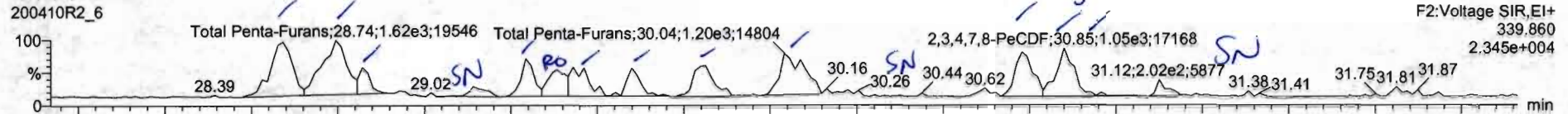


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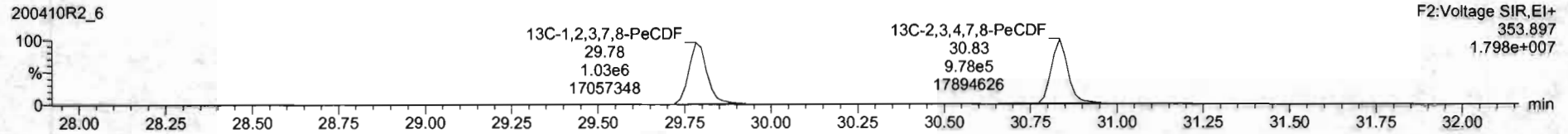
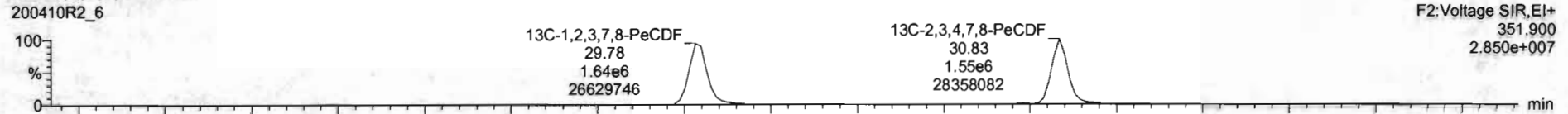
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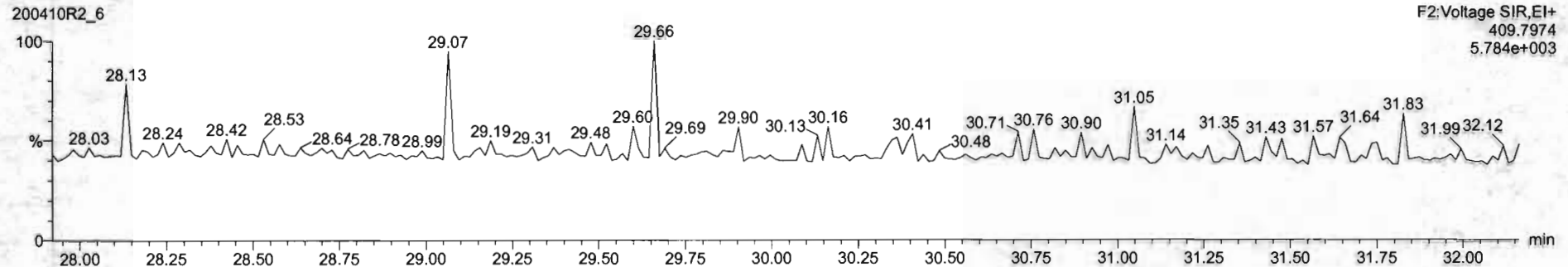
1,2,3,7,8-PeCDF

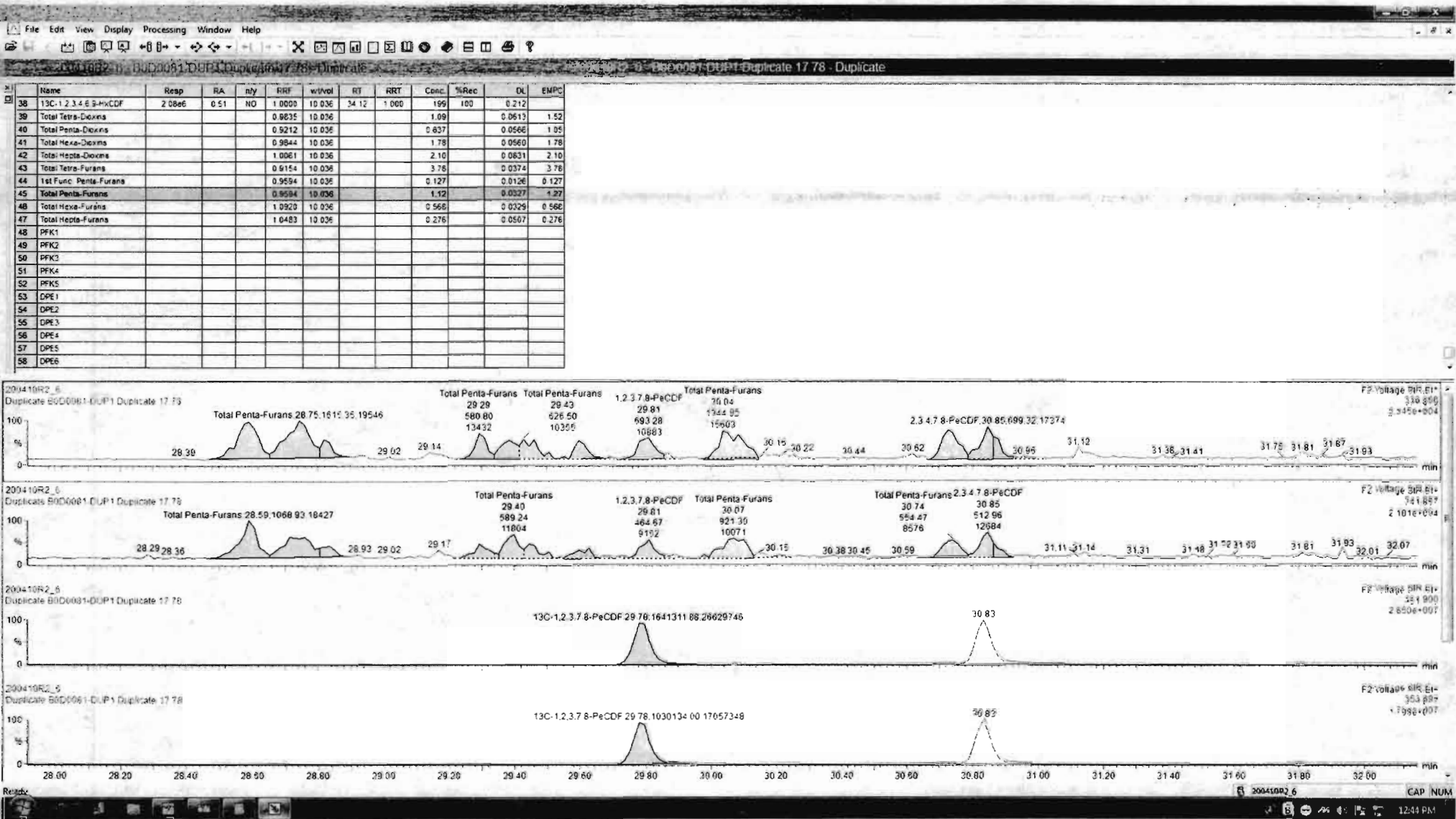


13C-1,2,3,7,8-PeCDF



DPE2



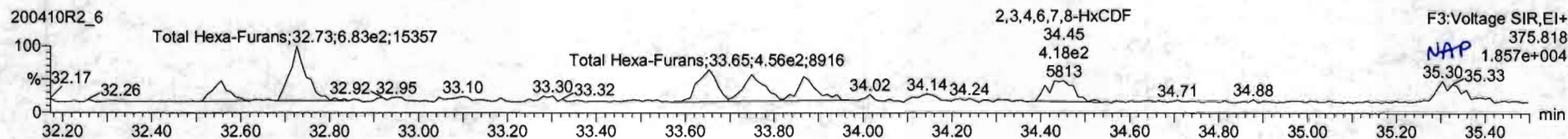
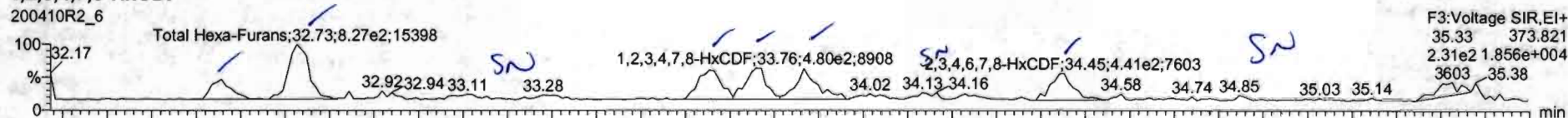


Dataset: Untitled

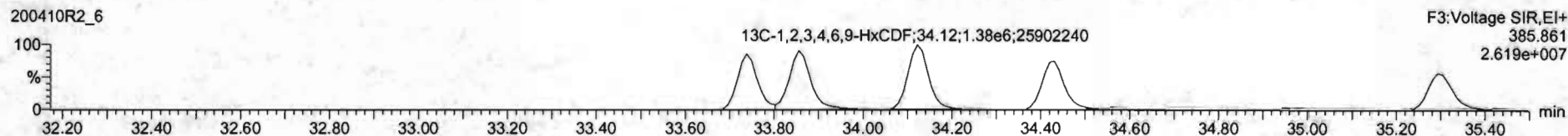
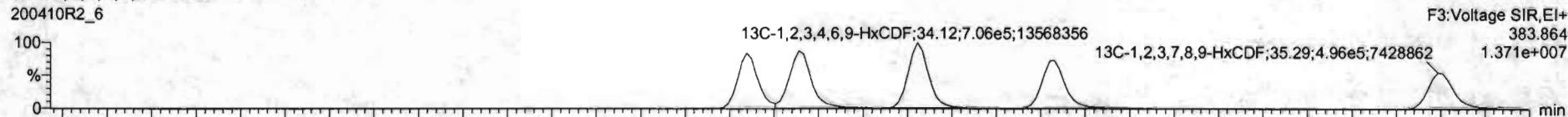
Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
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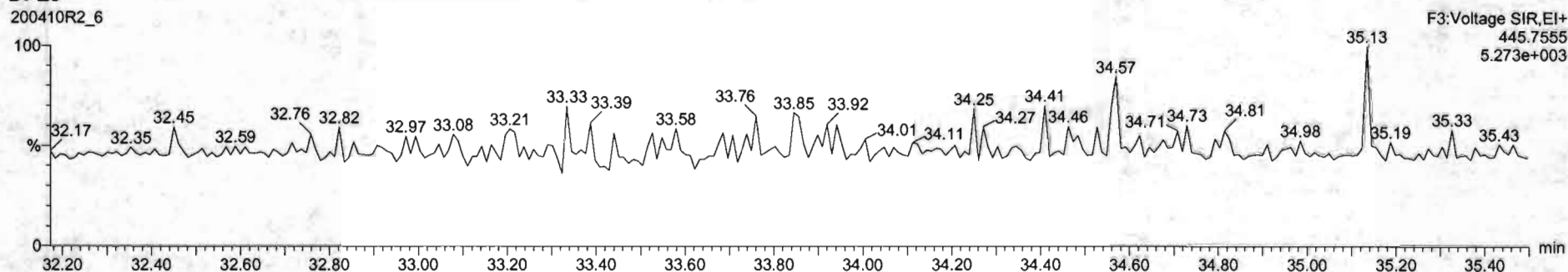
1,2,3,4,7,8-HxCDF



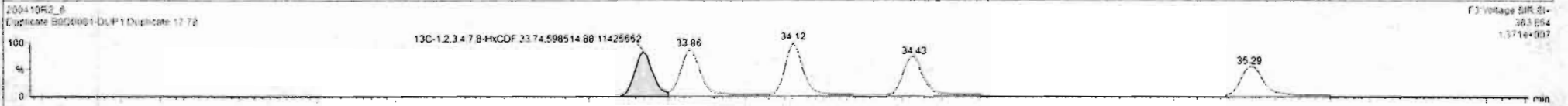
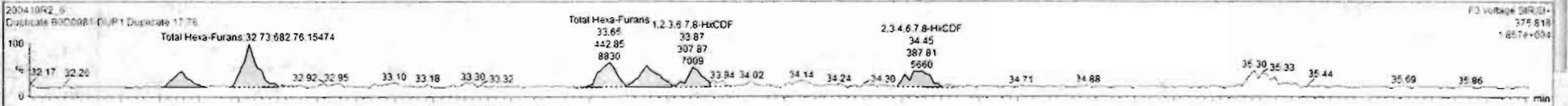
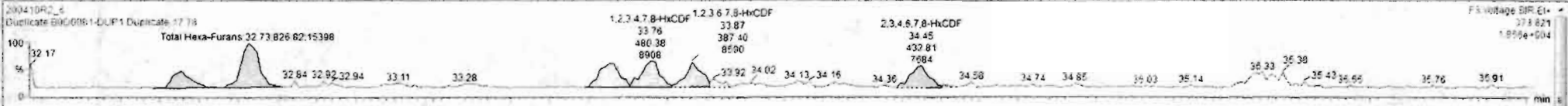
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	ndy	SIF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.036			1.09	0.0612	1.52	
40 Total Penta-Dioxins				0.9212	10.036			0.837	0.0566	1.25	
41 Total Hexa-Dioxins				0.9644	10.036			1.76	0.0560	1.76	
42 Total Hepta-Dioxins				1.0061	10.036			2.10	0.0631	2.10	
43 Total Tetra-Furans				0.9154	10.036			3.78	0.0374	3.78	
44 1st Func. Penta-Furans				0.9594	10.036			0.127	0.0126	0.127	
45 Total Penta-Furans				0.9594	10.036			1.12	0.0327	1.27	
46 Total Hexa-Furans				1.0920	10.036			0.568	0.0329	0.568	
47 Total Hepta-Furans				1.0482	10.036			0.277	0.0507	0.277	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Custom Reporting: Select reports to generate

200410R2_6 CAP NUM

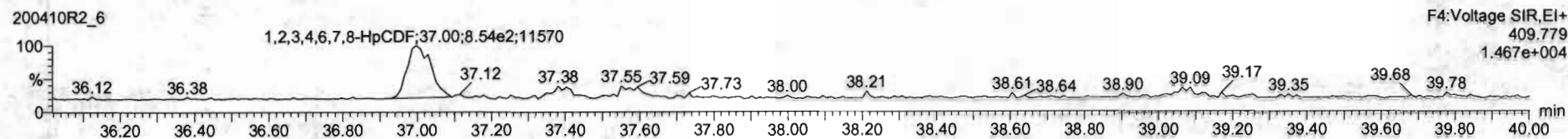
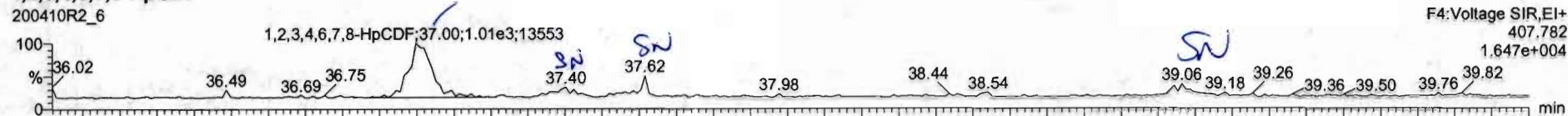
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time

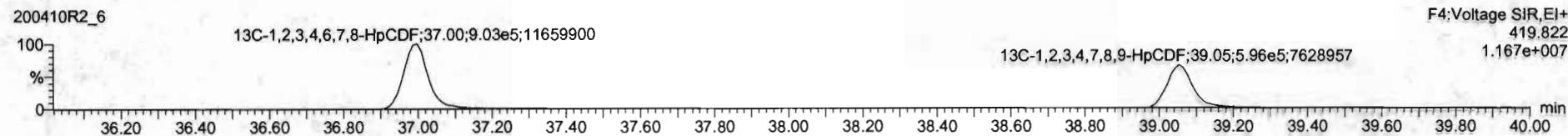
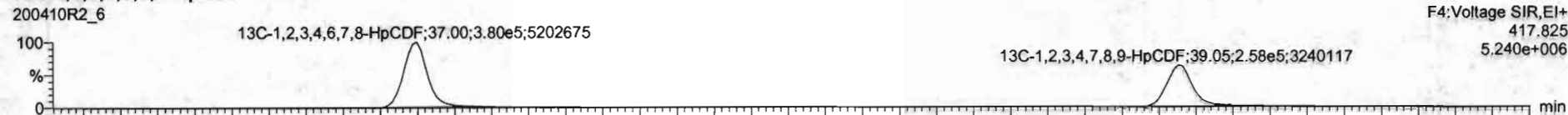
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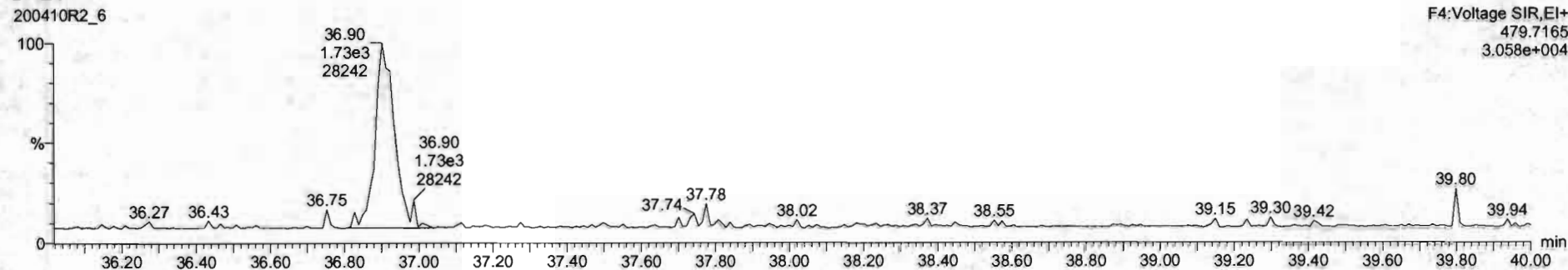
1,2,3,4,6,7,8-HpCDF



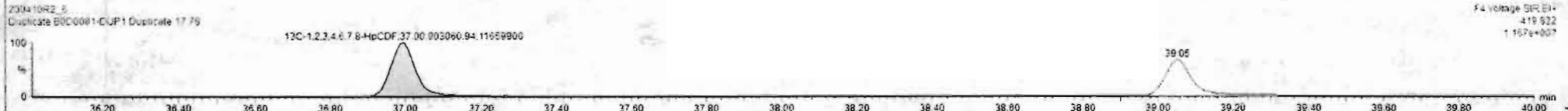
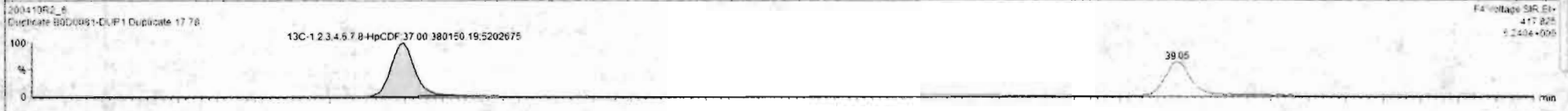
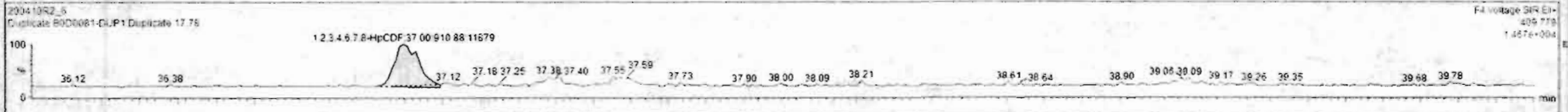
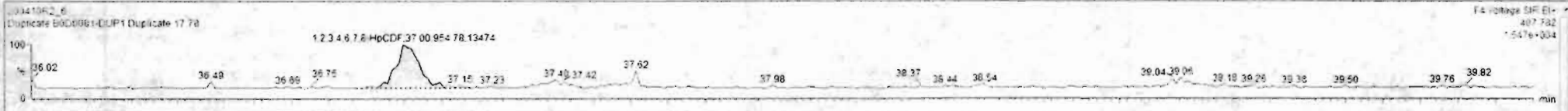
13C-1,2,3,4,6,7,8-HpCDF



DPE4



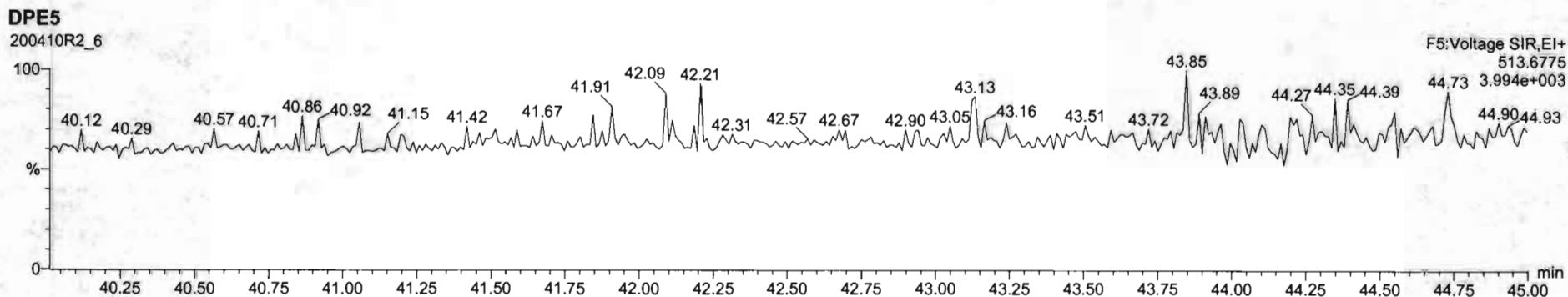
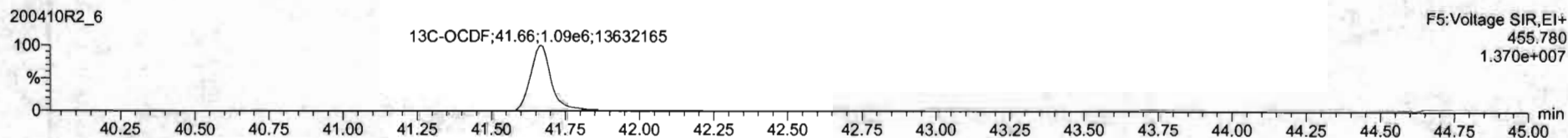
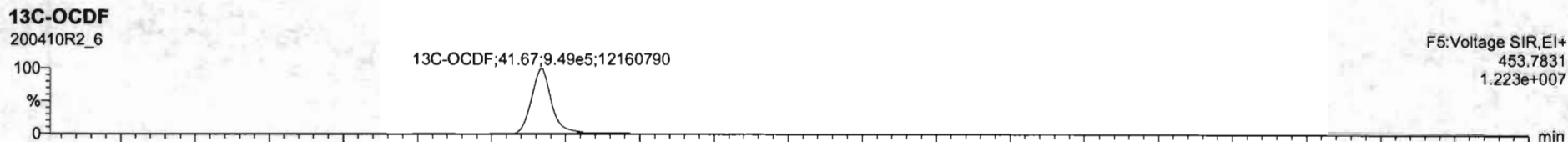
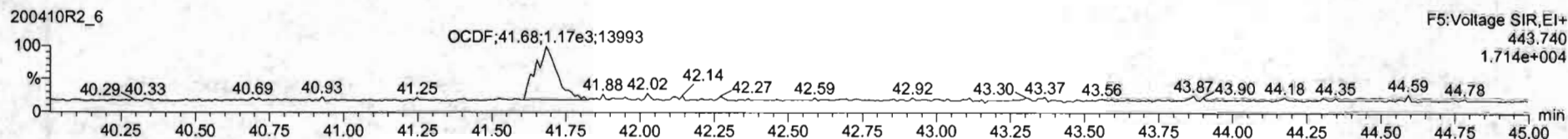
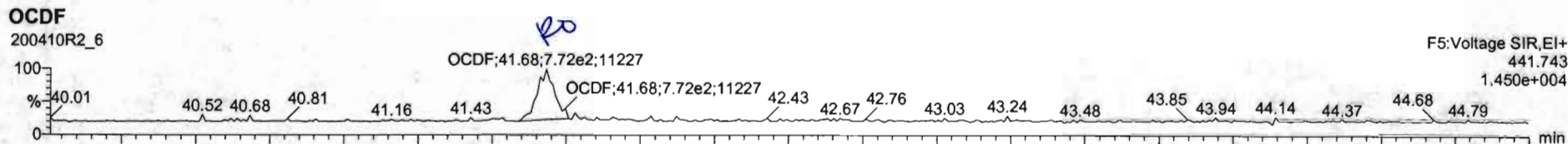
Name	Resp	RA	nly	RRF	w/wot	RT	RRT	Conc	%Rec	DL	EMPC
38 Total Tetra-Dioxins				0.9835	10.036			1.05	0.0613	1.52	
40 Total Penta-Dioxins				0.9212	10.036			0.637	0.0566	1.05	
41 Total Hexa-Dioxins				0.9644	10.036			1.76	0.0560	1.76	
42 Total Hepta-Dioxins				1.0061	10.036			2.10	0.0631	2.10	
43 Total Tetra-Furans				0.9154	10.036			3.76	0.0374	3.76	
44 1st Func. Penta-Furans				0.9554	10.036			0.127	0.0126	6.127	
45 Total Penta-Furans				0.9594	10.036			1.12	0.0327	1.12	
46 Total Hexa-Furans				1.0520	10.036			0.568	0.0329	0.568	
47 Total Hepta-Furans				1.0483	10.036			0.276	0.0507	0.276	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



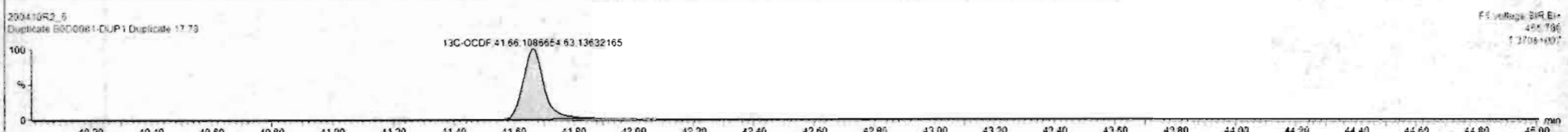
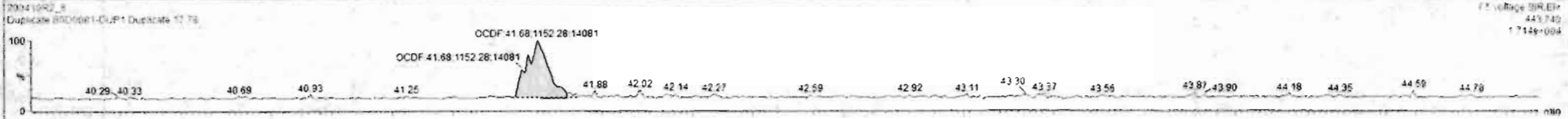
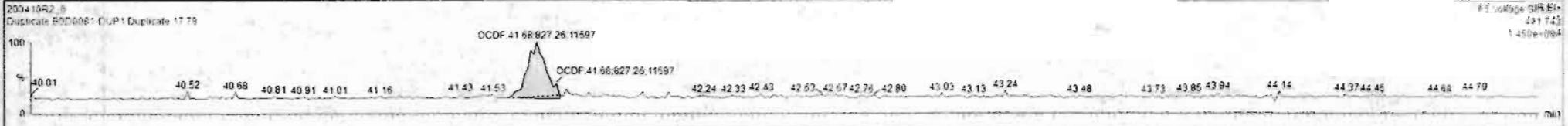
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_6, Date: 11-Apr-2020, Time: 00:43:19, ID: B0D0081-DUP1 Duplicate 17.78, Description: Duplicate



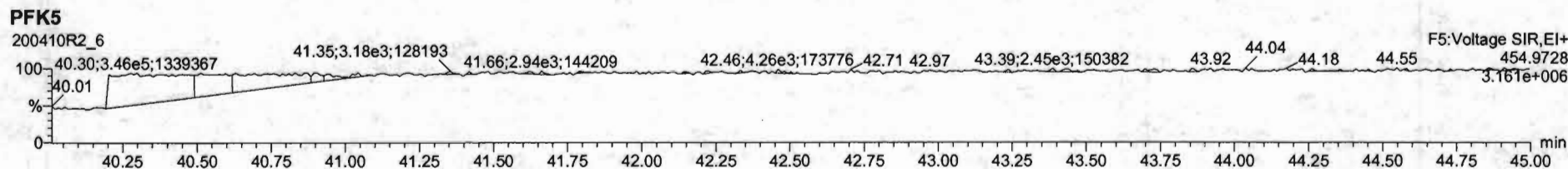
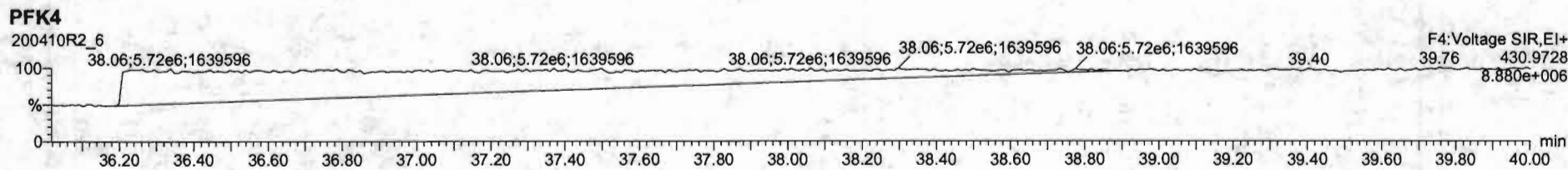
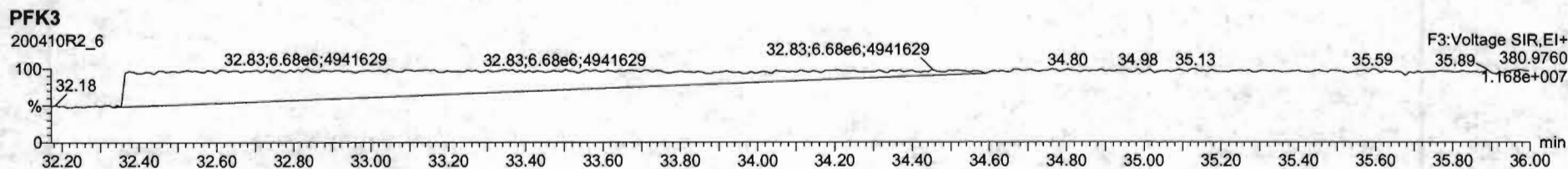
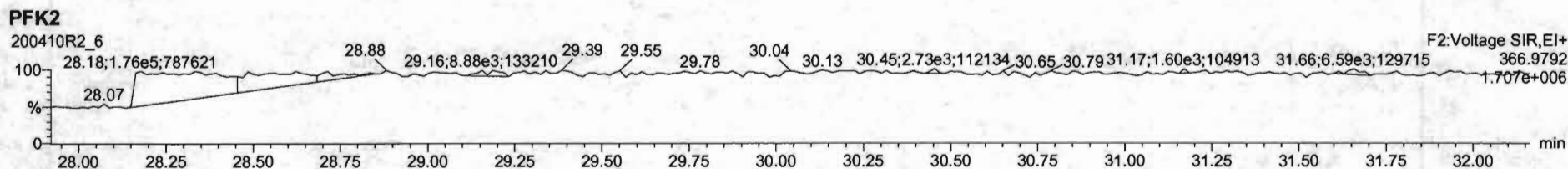
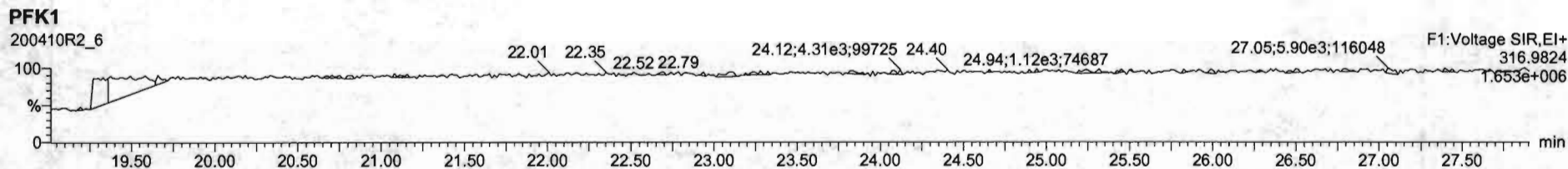
Name	Resp	RA	Int	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
16	1 2 3 4 7 8 9-HxCDF		NO	1.2099	10.036	41.68	1.000			0.0574	
17	OCDF	1.98e3	0.72	YES	0.9468	10.036	41.68	1.000	0.409	0.0482	0.363
18	13C-2 3 7 8-TCDF	2.42e6	0.77	NO	1.1842	10.036	25.76	1.030	178	88.1	0.144
19	13C-1 2 3 7 8-PeCDF	1.82e6	0.63	NO	0.8644	10.036	21.16	1.245	163	92.0	0.174
20	13C-1 2 3 4 7 8-HxCDF	1.34e6	1.27	NO	0.7539	10.036	34.56	1.014	170	85.1	0.189
21	13C-1 2 3 6 7 8-HxCDF	1.65e6	1.27	NO	0.9254	10.036	34.70	1.017	170	85.3	0.154
22	13C-1 2 3 7 8-HxCDF	1.52e6	1.22	NO	0.8294	10.036	34.96	1.025	176	88.1	0.172
23	13C-1 2 3 4 6 7 8-HpCDF	1.14e6	1.05	NO	0.5962	10.036	38.29	1.125	163	91.8	0.295
24	13C-OCDF	1.84e6	0.89	NO	0.5712	10.036	41.49	1.216	308	77.3	0.263
25	13C-2 3 7 8-TCDF	2.08e6	0.77	NO	1.0893	10.036	24.75	0.989	167	83.7	0.169
26	13C-1 2 3 7 8-PeCDF	2.67e6	1.59	NO	0.8783	10.036	29.76	1.190	160	90.3	0.293
27	13C-2 3 4 7 8-PeCDF	2.53e6	1.59	NO	0.8436	10.036	20.82	1.232	177	86.9	0.304
28	13C-1 2 3 4 7 8-HxCDF	1.78e6	0.51	NO	1.0003	10.036	33.74	0.989	170	85.3	0.211
29	13C-1 2 3 6 7 8-HxCDF	2.09e6	0.51	NO	1.1178	10.036	33.86	0.992	171	85.8	0.189
30	13C-2 3 4 6 7 8-HxCDF	1.72e6	0.51	NO	1.0353	10.036	34.43	1.009	159	79.5	0.204



Dataset: Untitled

Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_6, Date: 11-Apr-2020, Time: 00:43:19, ID: B0D0081-DUP1 Duplicate 17.78, Description: Duplicate



Dataset: U:\VG12.PRO\Results\200414R3\200414R3-11.qld

Last Altered: Wednesday, April 15, 2020 08:38:37 Pacific Daylight Time
 Printed: Wednesday, April 15, 2020 08:41:42 Pacific Daylight Time

GRB 04/15/2020

C704(15/2020

Method: Untitled 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

* SEE DIL

Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

#	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	0.983	10.009	25.781		1.001				0.0425	
2	2 1,2,3,7,8-PeCDD			NO	0.921	10.009	31.192		1.001				0.0536	
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.009	34.601		1.000				0.337	
4	4 1,2,3,6,7,8-HxCDD			NO	0.984	10.009	34.697		1.000				0.422	
5	5 1,2,3,7,8,9-HxCDD			NO	0.967	10.009	35.017		1.000				0.295	
6	6 1,2,3,4,6,7,8-HpCDD	3.64e3	0.93	NO	1.01	10.009	38.436	38.45	1.000	1.001	0.81461		0.0857	0.815
7	7 OCDD	1.19e4	0.92	NO	1.05	10.009	41.503	41.51	1.000	1.000	3.8239		0.122	3.82
8	8 2,3,7,8-TCDF	1.04e3	0.73	NO	0.915	10.009	24.758	24.75	1.001	1.001	0.094612		0.0509	0.0946
9	9 1,2,3,7,8-PeCDF	9.77e2	1.49	NO	0.959	10.009	29.803	29.81	1.001	1.001	0.099013		0.0577	0.0990
10	10 2,3,4,7,8-PeCDF	1.03e3	1.32	NO	1.00	10.009	30.855	30.85	1.001	1.000	0.10599		0.0578	0.106
11	11 1,2,3,4,7,8-HxCDF	9.87e2	1.09	NO	1.04	10.009	33.771	33.80	1.000	1.001	0.13734		0.0834	0.137
12	12 1,2,3,6,7,8-HxCDF	9.32e2	1.23	NO	1.01	10.009	33.898	33.90	1.000	1.000	0.12256		0.0833	0.123
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.009	34.551		1.001				0.134	
14	14 1,2,3,7,8,9-HxCDF			NO	1.03	10.009	35.347		1.000				0.367	
15	15 1,2,3,4,6,7,8-HpCDF	2.71e3	1.03	NO	1.05	10.009	37.109	37.07	1.001	1.000	0.52535		0.0505	0.525
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.009	39.075		1.000				0.0665	
17	17 OCDF	2.00e3	0.80	NO	0.947	10.009	41.684	41.68	1.000	1.000	0.65023		0.0805	0.650
18	18 13C-2,3,7,8-TCDD	1.87e6	0.79	NO	1.18	10.009	25.720	25.75	1.029	1.030	166.06	83.1	0.119	
19	19 13C-1,2,3,7,8-PeCDD	1.41e6	0.63	NO	0.864	10.009	30.900	31.17	1.236	1.247	171.19	85.7	0.199	
20	20 13C-1,2,3,4,7,8-HxCDD	2.49e5	1.28	NO	0.754	10.009	34.629	34.59	1.014	1.013	35.153	17.6 I*	0.237	
21	21 13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.925	10.009	34.738	34.70	1.017	1.016	42.763	21.4 I*	0.193	
22	22 13C-1,2,3,7,8,9-HxCDD	3.96e5	1.22	NO	0.829	10.009	35.001	35.01	1.025	1.025	50.895	25.5	0.216	
23	23 13C-1,2,3,4,6,7,8-HpCDD	8.88e5	1.04	NO	0.598	10.009	38.478	38.42	1.127	1.125	158.24	79.2	0.382	
24	24 13C-OCDD	1.19e6	0.85	NO	0.571	10.009	41.644	41.50	1.219	1.215	221.37	55.4	0.299	
25	25 13C-2,3,7,8-TCDF	2.39e6	0.77	NO	1.09	10.009	24.742	24.73	0.990	0.989	158.12	79.1	0.157	
26	26 13C-1,2,3,7,8-PeCDF	2.05e6	1.59	NO	0.876	10.009	29.572	29.78	1.183	1.191	169.00	84.6	0.306	
27	27 13C-2,3,4,7,8-PeCDF	1.93e6	1.58	NO	0.844	10.009	30.832	30.83	1.233	1.233	165.11	82.6	0.318	
28	28 13C-1,2,3,4,7,8-HxCDF	1.38e6	0.50	NO	1.00	10.009	33.771	33.77	0.989	0.989	147.43	73.8	0.298	
29	29 13C-1,2,3,6,7,8-HxCDF	1.50e6	0.51	NO	1.12	10.009	33.881	33.89	0.992	0.992	143.11	71.6	0.266	
30	30 13C-2,3,4,6,7,8-HxCDF	1.29e6	0.51	NO	1.04	10.009	34.465	34.52	1.009	1.011	132.78	66.4 I*	0.287	
31	31 13C-1,2,3,7,8,9-HxCDF	4.64e5	0.51	NO	0.873	10.009	35.343	35.35	1.035	1.035	56.622	28.3 I*	0.341	

Dataset: U:\WG12.PRO\Results\200414R3\200414R3-11.qld

Last Altered: Wednesday, April 15, 2020 08:38:37 Pacific Daylight Time
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File Name: 200414R3_01, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

#	Name	Resp	RA	n/y	RRF	wt/wt	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	9.83e5	0.43	NO	0.771	10.009	37.067	37.07	1.085	1.085	135.95	68.0	0.401	
33	13C-1,2,3,4,7,8,9-HpCDF	6.78e5	0.42	NO	0.519	10.009	39.164	39.08	1.147	1.144	139.08	69.6	0.596	
34	13C-OCDF	1.30e6	0.88	NO	0.696	10.009	41.825	41.68	1.225	1.220	198.70	49.7	0.276	
35	37Cl-2,3,7,8-TCDD	7.11e5			1.17	10.009	25.730	25.78	1.029	1.031	63.622	79.6	0.0347	
36	13C-1,2,3,4-TCDD	1.90e6	0.80	NO	1.00	10.009	25.050	25.00	1.000	1.000	199.83	100	0.141	
37	13C-1,2,3,4-TCDF	2.77e6	0.79	NO	1.00	10.009	23.190	23.01	1.000	1.000	199.83	100	0.171	
38	13C-1,2,3,4,6,9-HxCDF	1.88e6	0.51	NO	1.00	10.009	34.040	34.15	1.000	1.000	199.83	100	0.298	
39	Total Tetra-Dioxins				0.983	10.009	24.620		0.000		0.69446		0.0425	0.694
40	Total Penta-Dioxins				0.921	10.009	29.960		0.000		0.78855		0.0536	0.789
41	Total Hexa-Dioxins				0.984	10.009	33.635		0.000		5.0363		0.362	5.04
42	Total Hepta-Dioxins				1.01	10.009	37.640		0.000		1.8189		0.0857	1.82
43	Total Tetra-Furans				0.915	10.009	23.610		0.000		2.0995		0.0509	2.46
44	1st Func. Penta-Furans				0.959	10.009	27.090		0.000		0.13192		0.0135	0.132
45	Total Penta-Furans				0.959	10.009	29.275		0.000		1.2338		0.0590	1.23
46	Total Hexa-Furans				1.09	10.009	33.555		0.000		0.82355		0.120	0.824
47	Total Hepta-Furans				1.05	10.009	37.835		0.000		0.52535		0.0612	0.525

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200414R3\200414R3-11.qld

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Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.35	1.735e4	2.387e4	1.559e3	1.974e3	0.79	NO	3.533e3	0.38391	0.38391	0.0425
2	Total Tetra-Dioxins	21.74	9.472e3	1.041e4	7.892e2	1.047e3	0.75	NO	1.837e3	0.19956	0.19956	0.0425
3	Total Tetra-Dioxins	23.21	4.903e3	7.286e3	4.506e2	5.708e2	0.79	NO	1.021e3	0.11099	0.11099	0.0425

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.78	8.767e3	1.304e4	8.207e2	1.171e3	0.70	NO	1.992e3	0.30708	0.30708	0.0536
2	Total Penta-Dioxins	29.34	3.568e3	6.897e3	2.230e2	3.715e2	0.60	NO	5.945e2	0.091650	0.091650	0.0536
3	Total Penta-Dioxins	29.86	1.223e4	1.340e4	5.937e2	8.829e2	0.67	NO	1.477e3	0.22762	0.22762	0.0536
4	Total Penta-Dioxins	30.12	6.705e3	8.783e3	4.299e2	6.223e2	0.69	NO	1.052e3	0.16220	0.16220	0.0536

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.17	1.908e4	1.521e4	1.412e3	1.076e3	1.31	NO	2.488e3	1.4910	1.4910	0.362
2	Total Hexa-Dioxins	33.72	2.491e4	1.828e4	1.997e3	1.622e3	1.23	NO	3.619e3	2.1689	2.1689	0.362
3	Total Hexa-Dioxins	33.97	1.181e4	9.639e3	1.293e3	1.003e3	1.29	NO	2.297e3	1.3764	1.3764	0.362

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.44	4.067e4	3.976e4	2.281e3	2.210e3	1.03	NO	4.491e3	1.0043	1.0043	0.0857
2	1,2,3,4,6,7,8-HpCDD	38.45	2.877e4	2.889e4	1.754e3	1.889e3	0.93	NO	3.643e3	0.81461	0.81461	0.0857

Dataset: U:\VG12.PRO\Results\200414R3\200414R3-11.qld

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Work Order: 2000787 Date: 14-Apr-2020 Time: 22:19:34 ID: 5000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.39	7.360e3	7.635e3	4.755e2	5.500e2	0.86	NO	1.025e3	0.093694	0.093694	0.0509
2	Total Tetra-Furans	19.85	3.932e3	4.199e3	2.845e2	3.685e2	0.77	NO	6.530e2	0.059660	0.059660	0.0509
3	Total Tetra-Furans	20.44	1.662e4	2.096e4	1.271e3	1.681e3	0.76	NO	2.953e3	0.26977	0.26977	0.0509
4	Total Tetra-Furans	20.78	4.384e3	4.461e3	1.347e2	1.930e2	0.70	NO	3.277e2	0.029942	0.029942	0.0509
5	Total Tetra-Furans	20.95	9.907e3	1.549e4	1.391e3	1.899e3	0.73	NO	3.290e3	0.30055	0.30055	0.0509
6	Total Tetra-Furans	21.33	7.453e3	8.274e3	9.107e2	1.308e3	0.70	NO	0.000e0	0.00000	0.20275	0.0509
7	Total Tetra-Furans	21.75	5.018e3	5.153e3	3.856e2	5.027e2	0.77	NO	8.883e2	0.081162	0.081162	0.0509
8	Total Tetra-Furans	21.92	4.899e3	4.356e3	3.122e2	3.618e2	0.86	NO	6.740e2	0.061583	0.061583	0.0509
9	Total Tetra-Furans	22.11	4.121e3	7.122e3	2.840e2	3.992e2	0.71	NO	6.832e2	0.062419	0.062419	0.0509
10	Total Tetra-Furans	22.56	5.867e3	6.264e3	4.196e2	4.821e2	0.87	NO	9.017e2	0.082381	0.082381	0.0509
11	Total Tetra-Furans	22.71	6.241e3	8.202e3	4.815e2	7.206e2	0.67	NO	1.202e3	0.10983	0.10983	0.0509
12	Total Tetra-Furans	22.92	5.408e3	5.706e3	3.360e2	4.893e2	0.69	NO	0.000e0	0.00000	0.075400	0.0509
13	Total Tetra-Furans	23.03	1.041e4	1.366e4	1.136e3	1.654e3	0.69	NO	2.791e3	0.25497	0.25497	0.0509
14	Total Tetra-Furans	23.64	6.745e3	9.822e3	5.691e2	8.389e2	0.68	NO	1.408e3	0.12864	0.12864	0.0509
15	Total Tetra-Furans	24.00	7.709e3	6.674e3	4.805e2	5.951e2	0.81	NO	1.076e3	0.098273	0.098273	0.0509
16	Total Tetra-Furans	24.21	5.099e3	6.340e3	3.698e2	4.940e2	0.75	NO	8.638e2	0.078917	0.078917	0.0509
17	Total Tetra-Furans	24.49	7.610e3	8.976e3	3.902e2	5.869e2	0.66	NO	9.771e2	0.089273	0.089273	0.0509
18	Total Tetra-Furans	24.61	5.459e3	7.632e3	3.577e2	5.278e2	0.68	NO	0.000e0	0.00000	0.080899	0.0509
19	2,3,7,8-TCDF	24.75	6.449e3	8.933e3	4.372e2	5.984e2	0.73	NO	1.036e3	0.094612	0.094612	0.0509
20	Total Tetra-Furans	25.20	9.944e3	1.326e4	9.766e2	1.255e3	0.78	NO	2.231e3	0.20385	0.20385	0.0509

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	27.02	1.008e4	6.877e3	7.453e2	5.172e2	1.44	NO	1.263e3	0.13192	0.13192	0.0135

Dataset: U:\WG12.PRO\Results\200414R3\200414R3-11.qld

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Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.59	1.671e4	1.062e4	1.123e3	8.335e2	1.35	NO	1.957e3	0.20448	0.20448	0.0590
2	Total Penta-Furans	28.74	1.169e4	1.050e4	1.169e3	7.955e2	1.47	NO	1.965e3	0.20532	0.20532	0.0590
3	Total Penta-Furans	29.29	8.322e3	4.958e3	3.750e2	2.719e2	1.38	NO	6.469e2	0.067597	0.067597	0.0590
4	Total Penta-Furans	29.42	1.138e4	5.538e3	1.087e3	6.237e2	1.74	NO	1.711e3	0.17876	0.17876	0.0590
5	Total Penta-Furans	29.60	8.845e3	6.274e3	4.929e2	3.005e2	1.64	NO	7.934e2	0.082904	0.082904	0.0590
6	1,2,3,7,8-PeCDF	29.81	1.114e4	6.348e3	5.842e2	3.925e2	1.49	NO	9.767e2	0.099013	0.099013	0.0577
7	Total Penta-Furans	30.06	9.667e3	5.023e3	7.077e2	4.340e2	1.63	NO	1.142e3	0.11930	0.11930	0.0590
8	Total Penta-Furans	30.74	1.305e4	8.284e3	8.456e2	5.131e2	1.65	NO	1.359e3	0.14198	0.14198	0.0590
9	2,3,4,7,8-PeCDF	30.85	1.213e4	9.645e3	5.853e2	4.431e2	1.32	NO	1.028e3	0.10599	0.10599	0.0578
10	Total Penta-Furans	30.88	7.076e3	5.873e3	1.580e2	1.142e2	1.38	NO	2.721e2	0.028437	0.028437	0.0590

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.57	5.070e3	4.712e3	3.577e2	3.212e2	1.11	NO	6.789e2	0.10713	0.10713	0.120
2	Total Hexa-Furans	32.75	1.462e4	1.305e4	9.838e2	8.917e2	1.10	NO	1.875e3	0.29594	0.29594	0.120
3	Total Hexa-Furans	33.65	7.228e3	6.651e3	5.229e2	4.948e2	1.06	NO	1.018e3	0.16058	0.16058	0.120
4	1,2,3,4,7,8-HxCDF	33.80	6.313e3	8.066e3	5.148e2	4.725e2	1.09	NO	9.873e2	0.13734	0.13734	0.0834
5	1,2,3,6,7,8-HxCDF	33.90	7.367e3	6.374e3	5.145e2	4.177e2	1.23	NO	9.322e2	0.12256	0.12256	0.0833

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.07	2.501e4	2.067e4	1.373e3	1.337e3	1.03	NO	2.710e3	0.52535	0.52535	0.0505

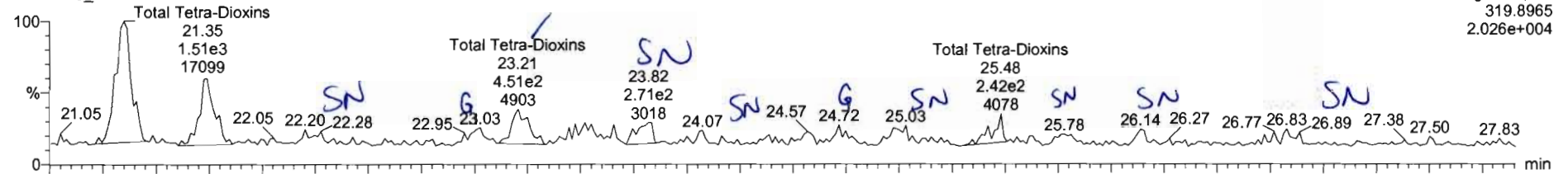
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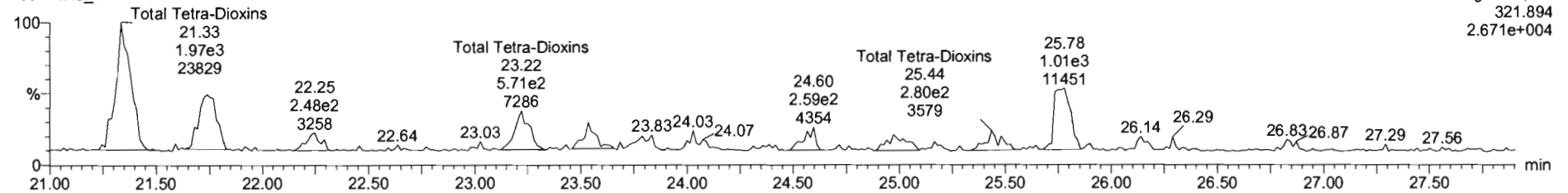
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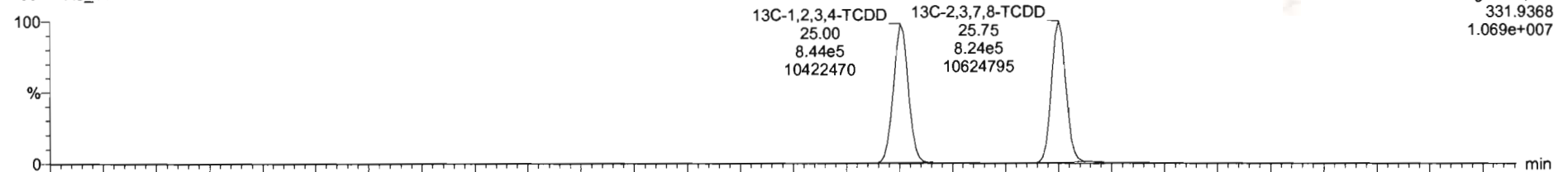


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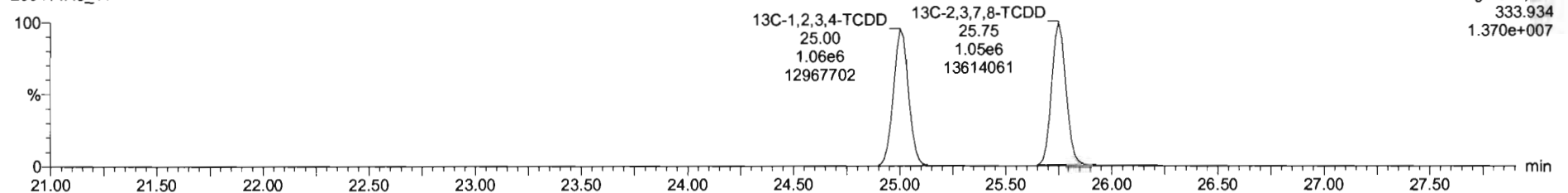


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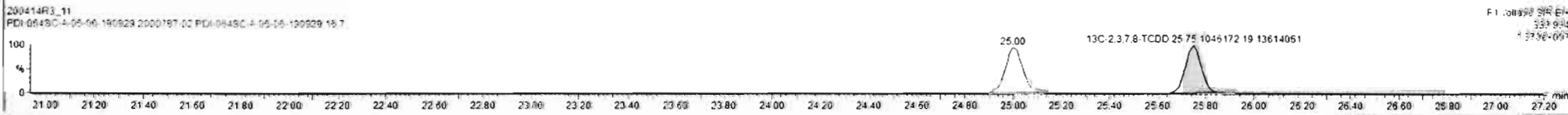
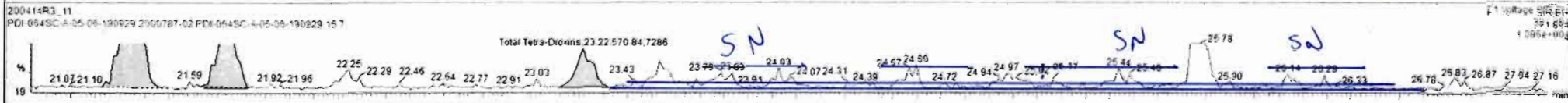
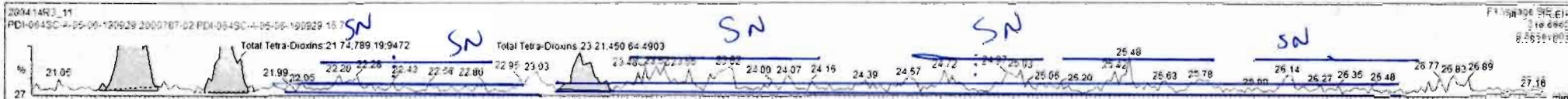
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200414R3_11



Name	Resp	RA	n/y	RRF	wf/vol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,9-HxCDF	1.88e6	0.51	NO	1.0000	10.009	34.15	1.000	260	100	0.296	
39 Total Tetra-Dioxins				0.9835	10.009			0.694		0.0425	0.894
40 Total Penta-Dioxins				0.9212	10.005			0.000		0.0226	0.546
41 Total Hexa-Dioxins				0.9844	10.009			4.16		0.343	5.89
42 Total Hepta-Dioxins				1.0061	10.009			1.80		0.0670	1.80
43 Total Tetra-Furans				0.9154	10.009			1.42		0.0509	2.01
44 1st Func. Penta-Furans				0.9594	10.009			0.271		0.0216	0.271
45 Total Penta-Furans				0.9594	10.009			14.6		0.0944	15.7
46 Total Hexa-Furans				1.0520	10.009			0.581		0.120	0.801
47 Total Hepta-Furans				1.0483	10.009			0.534		0.0612	0.534
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
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57 DPE5											
58 DPE6											



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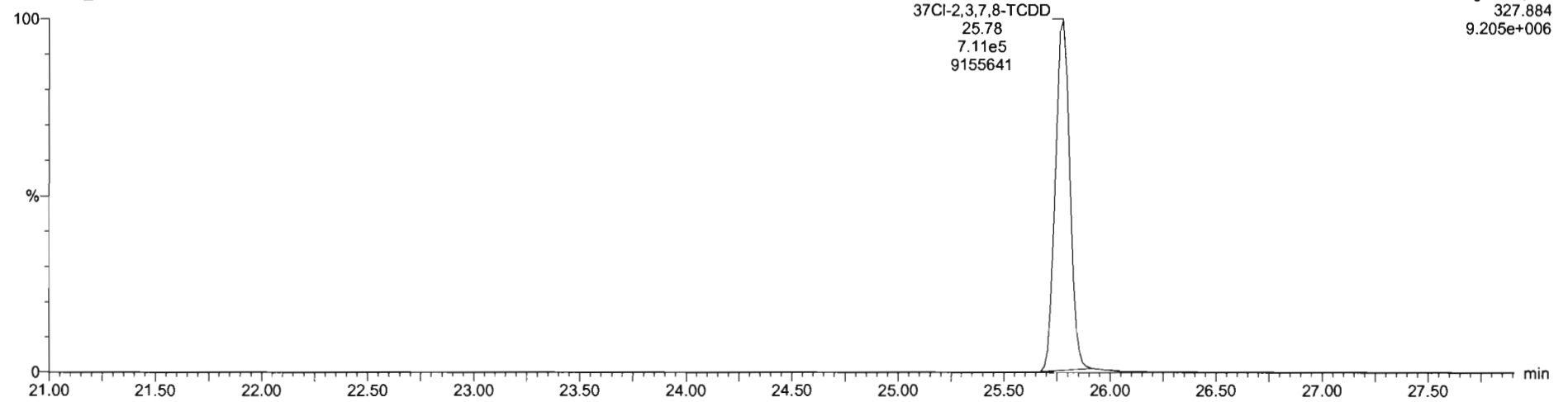
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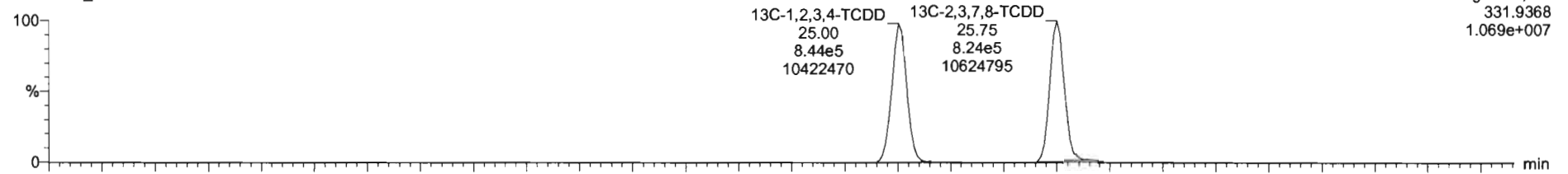
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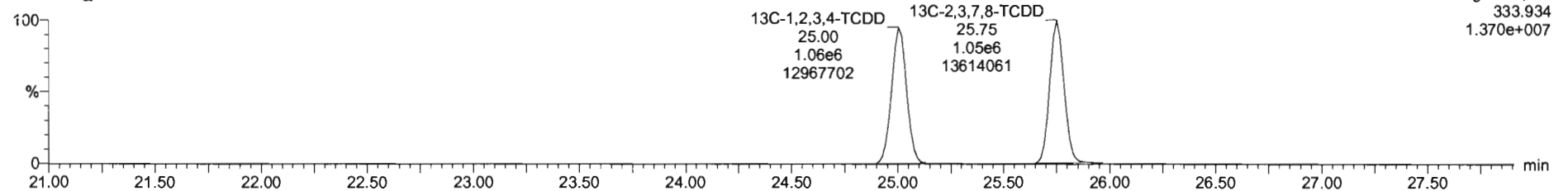


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200414R3_11



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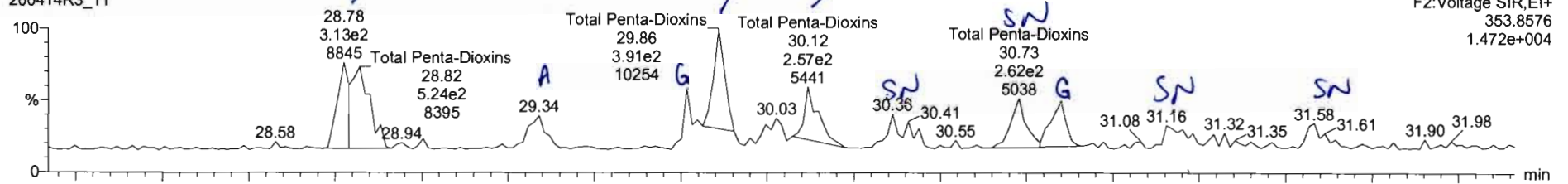
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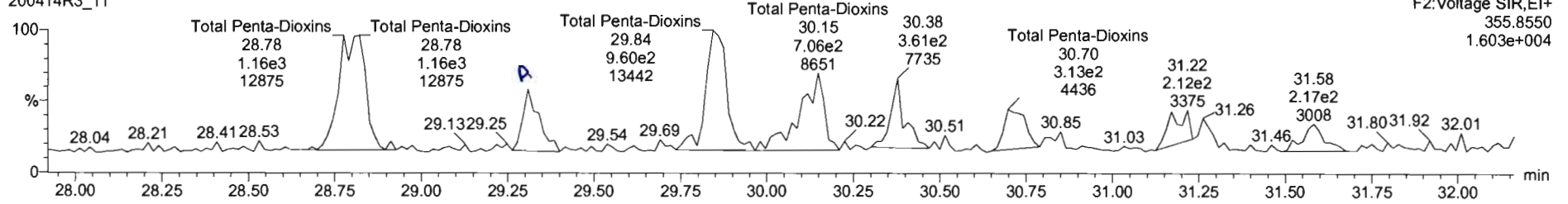
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1,2,3,7,8-PeCDD

200414R3_11

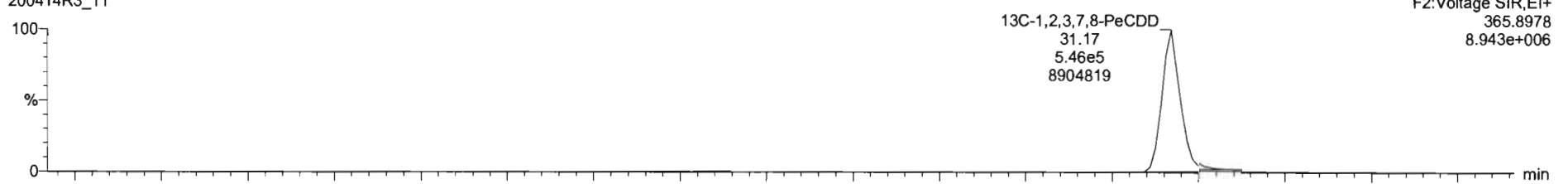


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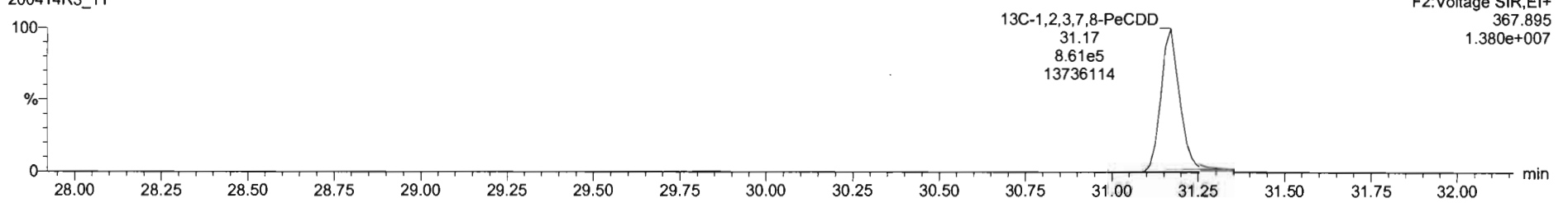


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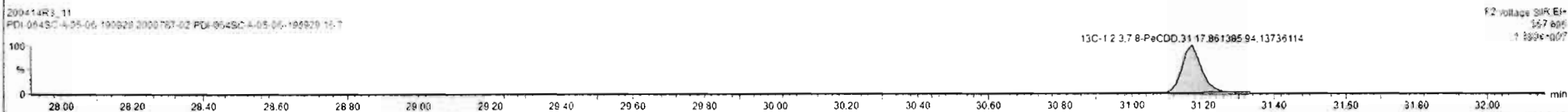
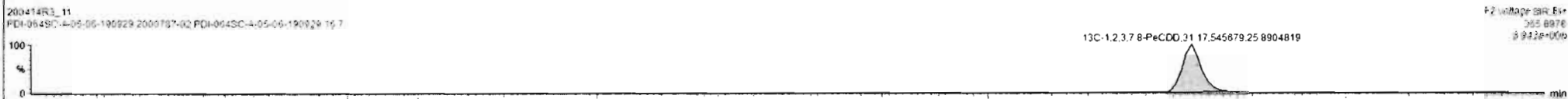
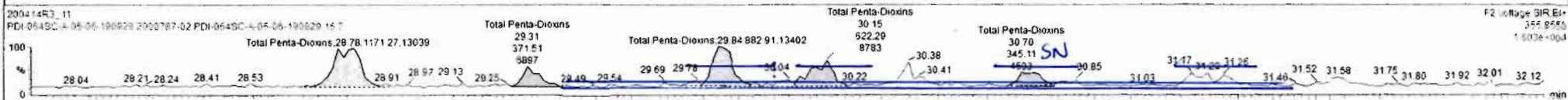
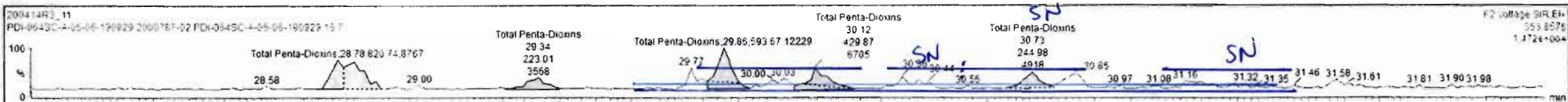
200414R3_11



200414R3_11



Name	Resp	RA	ny	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,5,6-PeCDF	1.88e6	0.51	NO	1.0000	10.009	34.15	1.000	200	100	0.298	
39 Total Tetra-Dioxins				0.9835	10.009			0.894		0.0425	0.694
40 Total Penta-Dioxins				0.8212	10.009			0.880		0.0536	0.680
41 Total Hexa-Dioxins				0.9844	10.009			4.16		0.343	5.89
42 Total Hepta-Dioxins				1.0061	10.009			1.60		0.0870	1.80
43 Total Tetra-Furans				0.5154	10.009			1.42		0.0509	2.01
44 1st Func. Penta-Furans				0.9594	10.009			0.271		0.0216	0.271
45 Total Penta-Furans				0.9594	10.009			14.6		0.0944	15.7
46 Total Hexa-Furans				1.0923	10.009			0.581		0.120	0.801
47 Total Hepta-Furans				1.0423	10.009			0.534		0.0612	0.534
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



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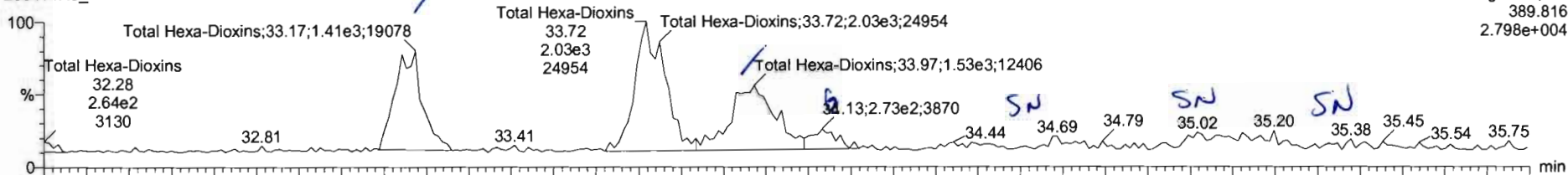
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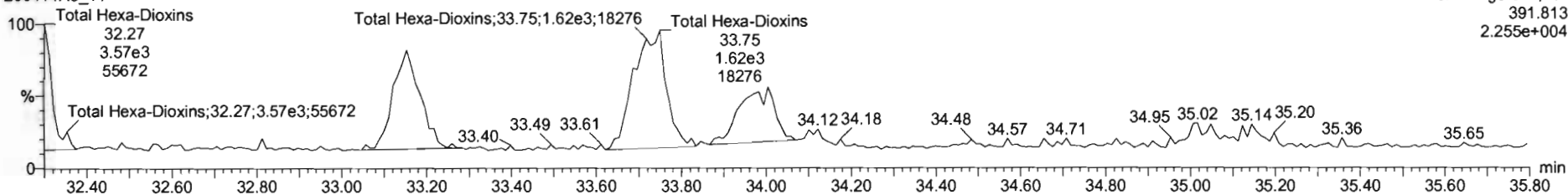
Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

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

200414R3_11

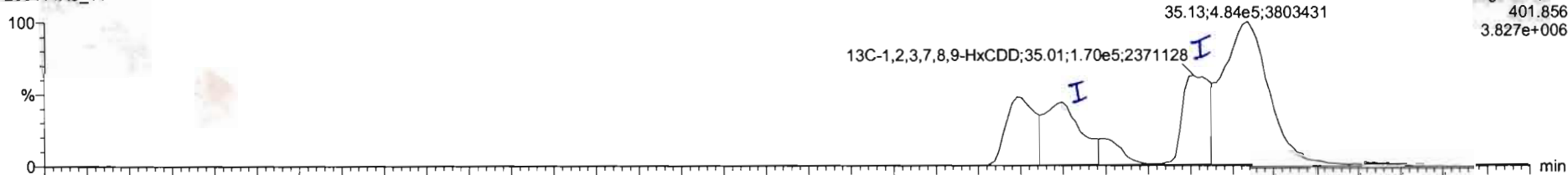


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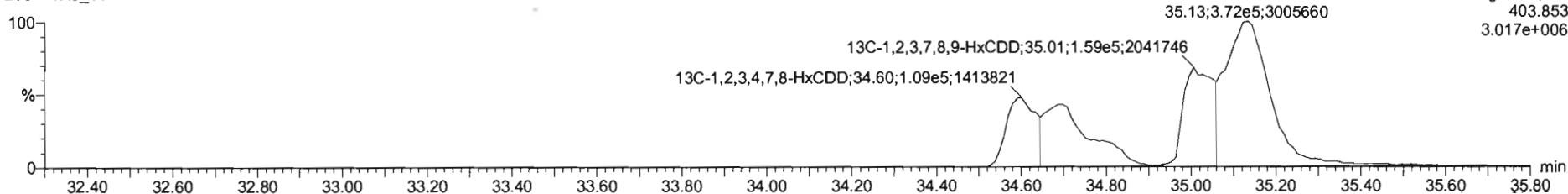


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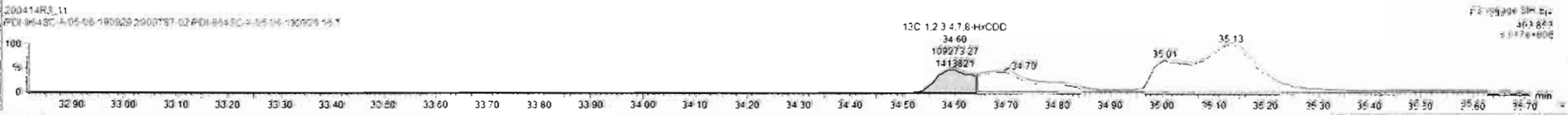
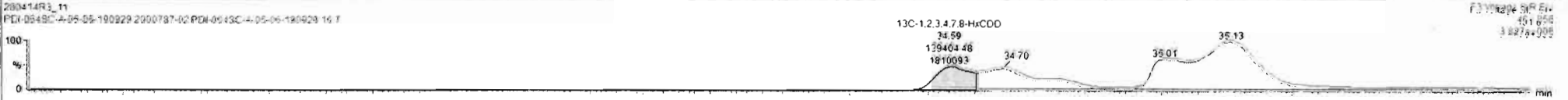
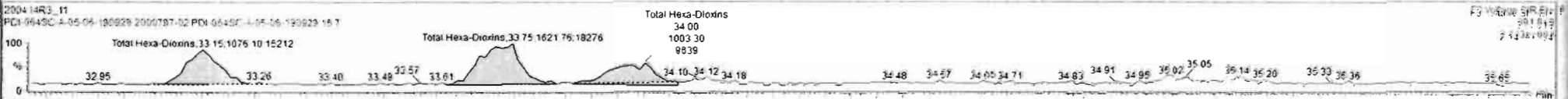
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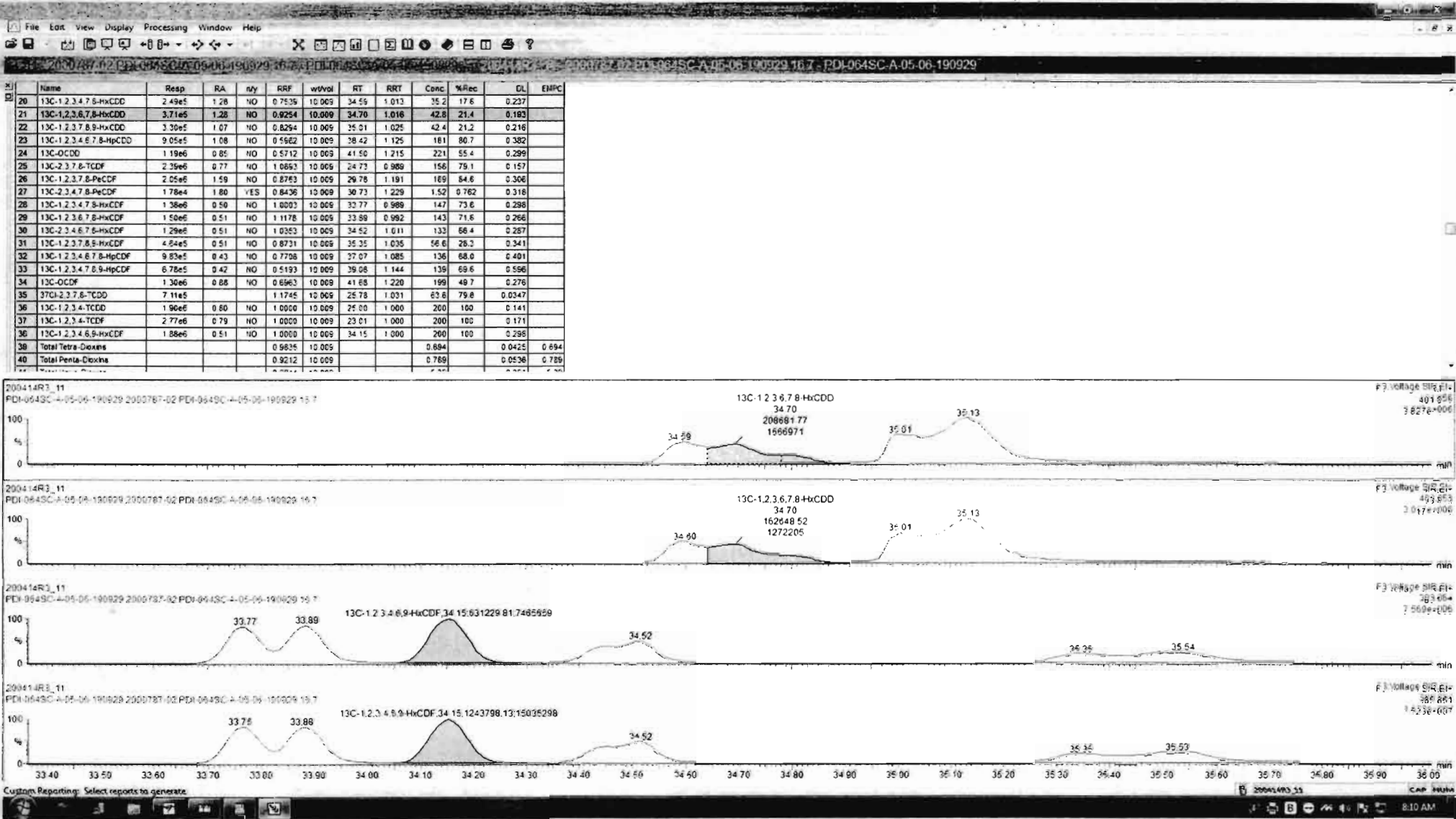


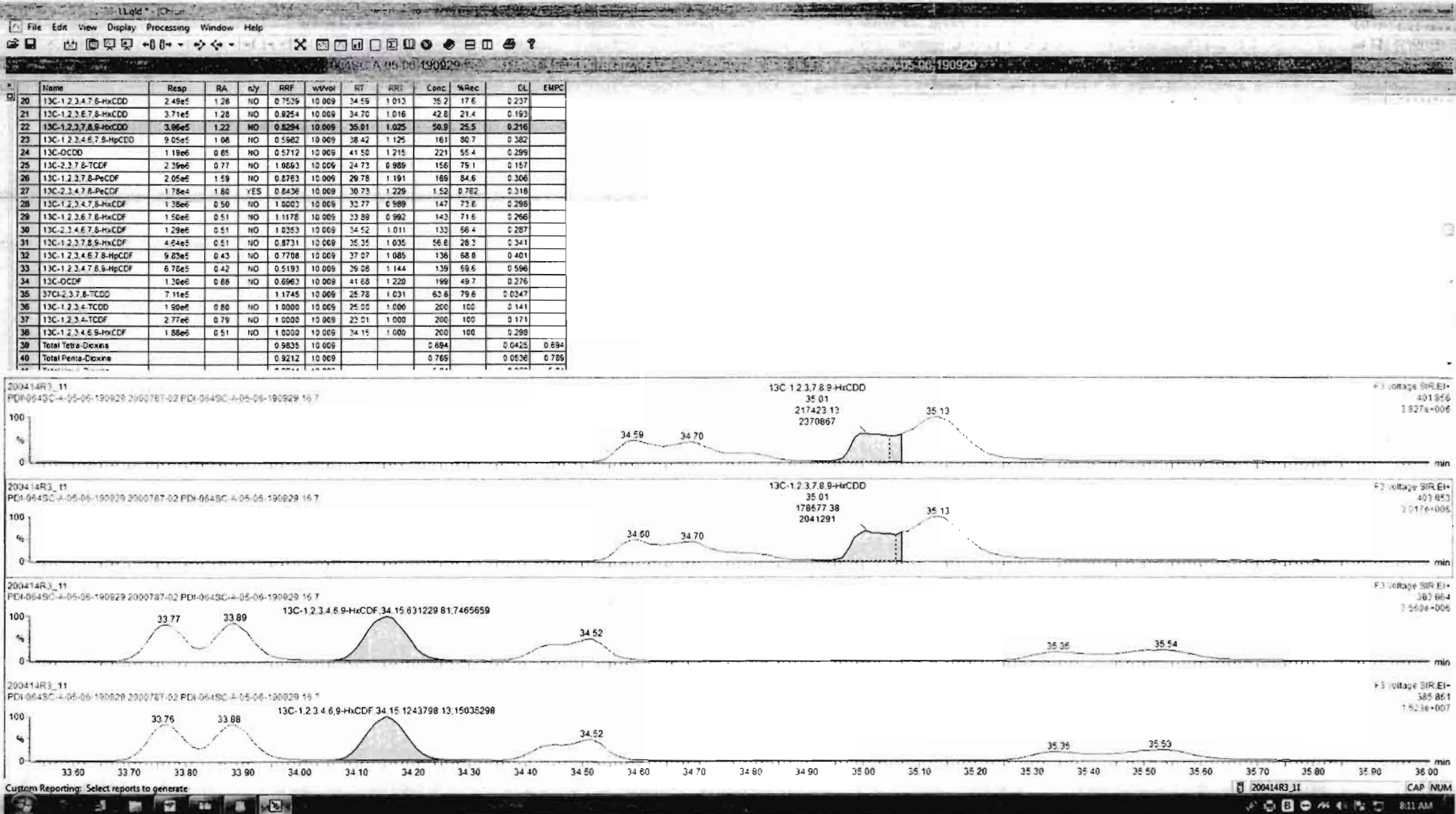
200414R3_11



Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4-E-HxCDF	1.88eE	0.51	NO	1.0500	10.009	34.15	1.000	200	100	0.298	
39 Total Tetra-Dioxins				0.8235	10.009			0.694	0.0425	0.694	
40 Total Penta-Dioxins				0.9212	10.009			0.789	0.0536	0.789	
41 Total Hexa-Dioxins				0.9844	10.009			5.84	0.343	5.84	
42 Total Hepta-Dioxins				1.0061	10.009			1.80	0.0870	1.80	
43 Total Tetra-Furans				0.9154	10.009			1.42	0.0509	2.91	
44 1st Func. Penta-Furans				0.9594	10.009			0.271	0.0216	0.271	
45 Total Penta-Furans				0.9594	10.009			14.6	0.0944	15.7	
46 Total Hexa-Furans				1.0920	10.009			0.581	0.120	0.801	
47 Total Hepta-Furans				1.0483	10.009			0.534	0.0612	0.534	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											







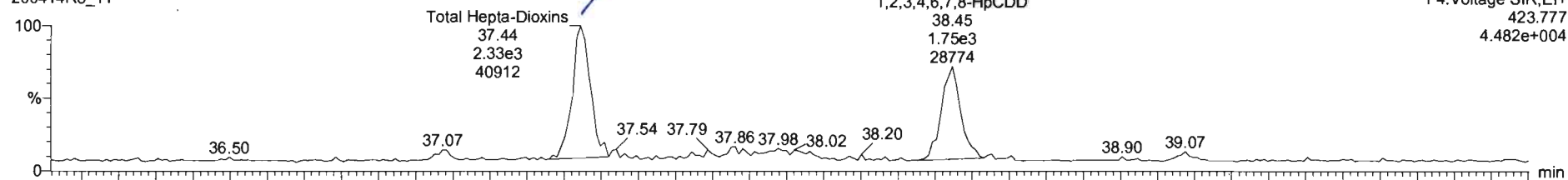
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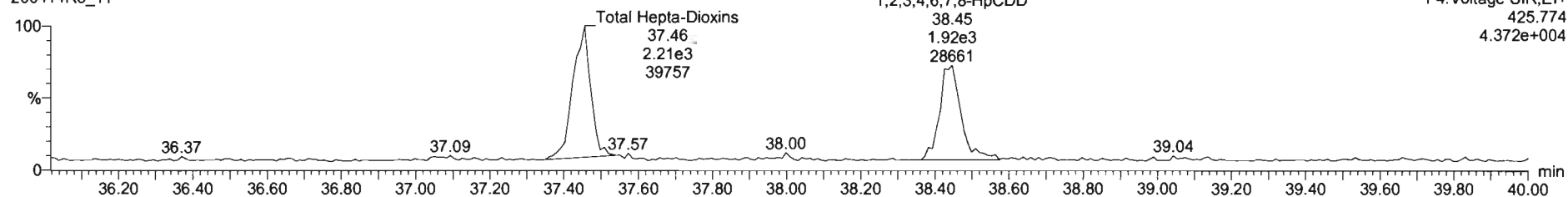
Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

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

200414R3_11

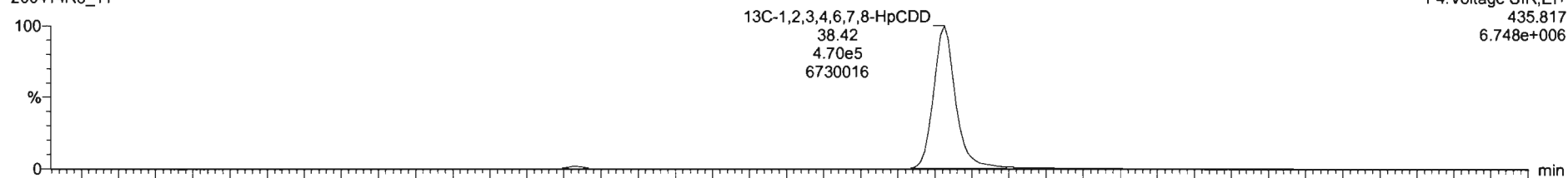


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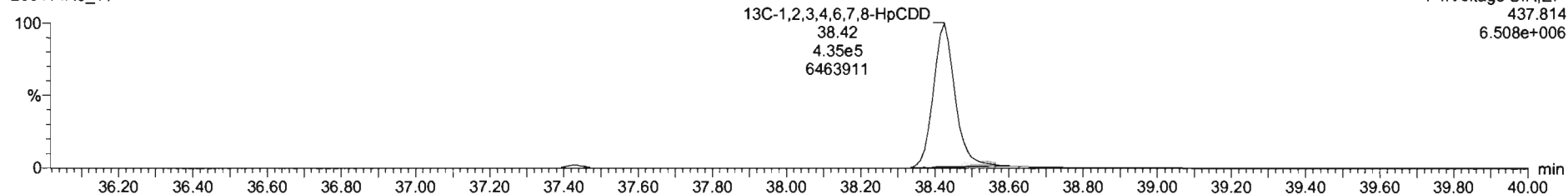


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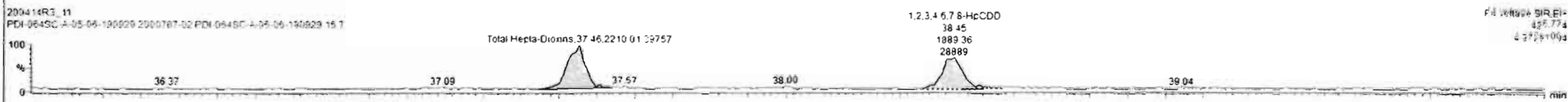
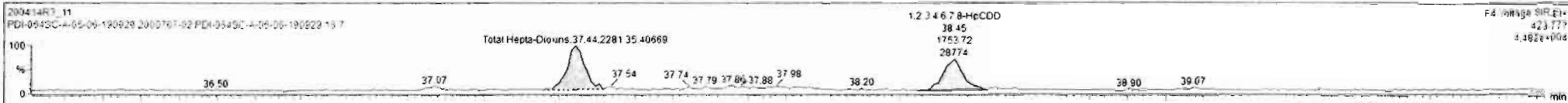
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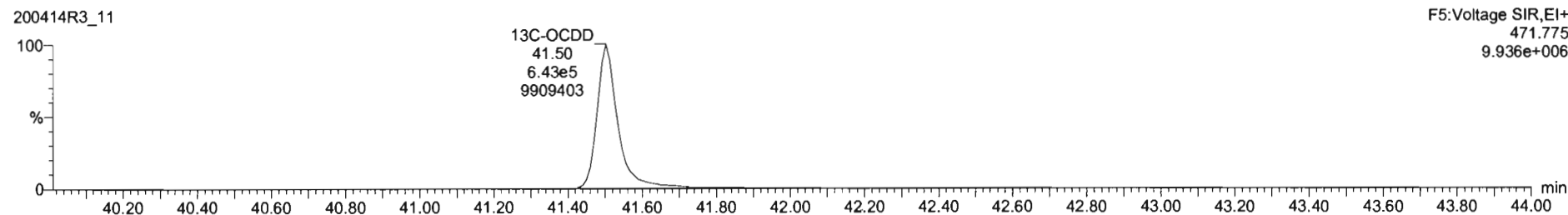
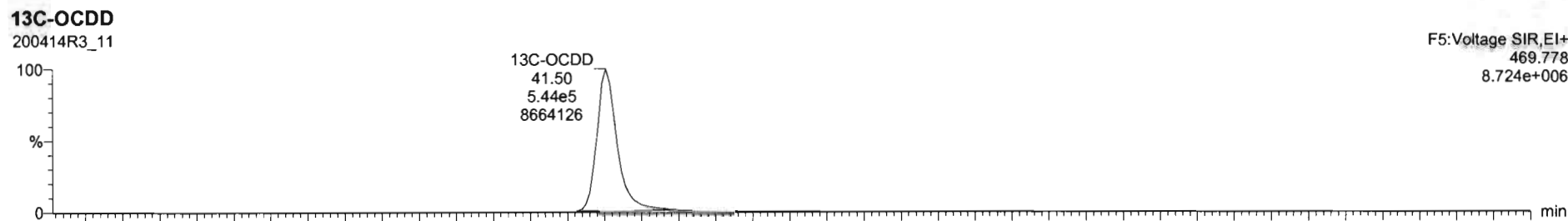
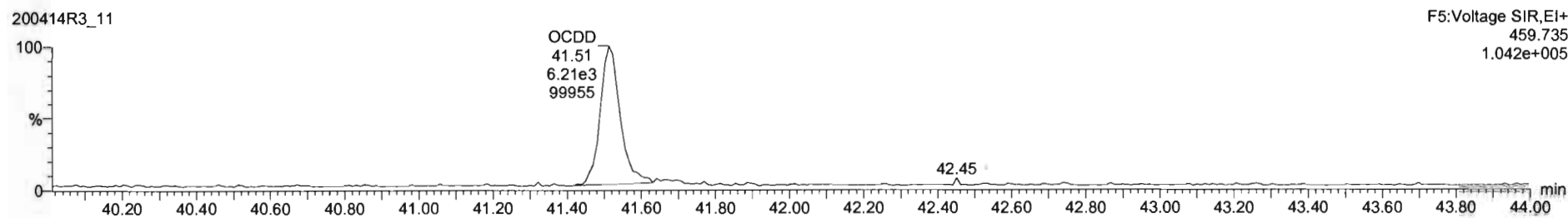
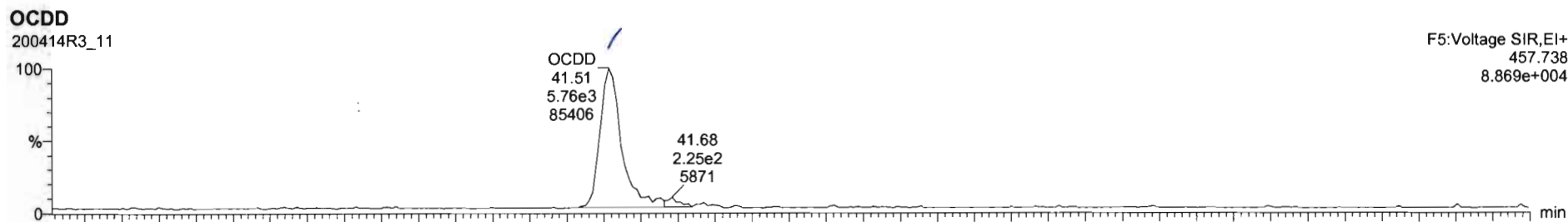
Name	Resp	RA	n/y	RRF	w/wal	RT	RRT	Conc	%Rec	CL	EMPC
29	13C-1,2,3,6,7,8-HxCDF	1.50e6	0.51	NO	1.1178	10.009	23.89	0.992	143	71.6	0.266
30	13C-2,3,4,6,7,8-HxCDF	1.29e6	0.51	NO	1.0263	10.009	34.52	1.011	132	66.4	0.287
31	13C-1,2,3,7,8,9-HxCDF	4.64e5	0.51	NO	0.8731	10.009	35.35	1.035	56.6	28.3	0.341
32	13C-1,2,3,4,6,7,8-HpCDF	9.80e5	0.43	NO	0.7708	10.009	27.07	1.085	136	58.0	0.401
33	13C-1,2,3,4,7,8,9-HpCDF	6.78e5	0.42	NO	0.5193	10.009	39.08	1.144	139	69.6	0.596
34	13C-OCDF	1.30e6	0.68	NO	0.6963	10.009	41.68	1.220	190	49.7	0.276
35	27Cl-2,3,7,8-TCDD	7.11e5			1.1745	10.009	25.78	1.031	63.6	79.6	0.0347
36	13C-1,2,3,4-TCDD	1.90e6	0.80	NO	1.0500	10.009	25.00	1.000	200	100	0.141
37	13C-1,2,3,4,7-CDF	2.77e6	0.79	NO	1.0200	10.009	23.01	1.000	200	100	0.171
38	13C-1,2,3,4,6,9-HxCDF	1.88e6	0.51	NO	1.0000	10.009	34.15	1.000	200	100	0.298
39	Total Tetra-Dioxins				0.9835	10.009		0.694		0.0425	0.694
40	Total Penta-Dioxins				0.9212	10.008		0.789		0.0536	0.789
41	Total Hexa-Dioxins				0.9844	10.009		5.04		0.362	5.04
42	Total Hepta-Dioxins				1.0061	10.009		1.82		0.0857	1.82
43	Total Tetra-Furans				0.9154	10.009		1.42		0.0509	2.01
44	1st Func. Penta-Furans				0.9594	10.006		0.271		0.0216	0.271
45	Total Penta-Furans				0.9594	10.009		14.6		0.0944	15.7
46	Total Hexa-Furans				1.0520	10.008		0.581		0.120	0.801
47	Total Hepta-Furans				1.0483	10.006		0.534		0.0612	0.534
48	PFK1										
49	PFK2										



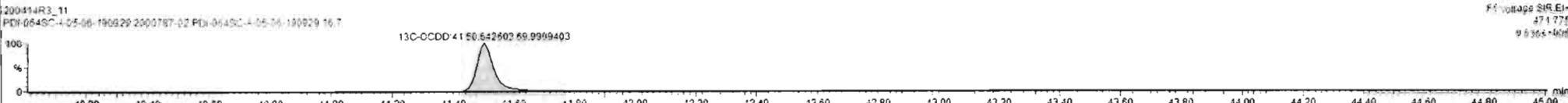
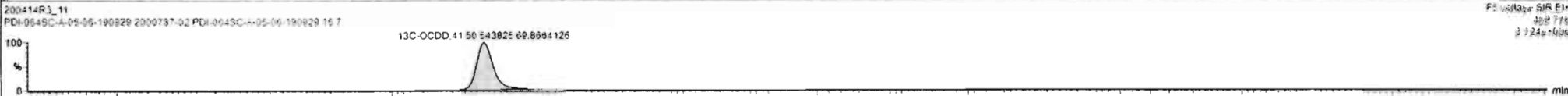
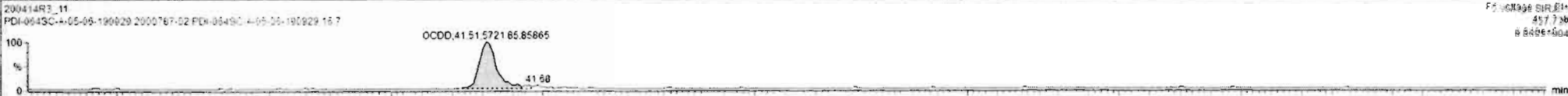
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Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929



#	Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.9835	10.009				0.0425		
2	1,2,3,7,8-PeCDD			NO	0.9212	10.009				0.0536		
3	1,2,3,4,7,8-HxCDD			NO	1.1325	10.009				0.337		
4	1,2,3,6,7,8-HxCDD			NO	0.9844	10.009				0.380		
5	1,2,3,7,8,9-HxCDD			NO	0.9674	10.009				0.277		
6	1,2,3,4,6,7,8-HxCDD	3.68e3	0.91	NO	1.0061	10.009	36.45	1.001	0.607	0.0870	0.697	
7	OCDD	1.19e4	0.92	NO	1.0516	10.009	41.51	1.000	3.82	0.122	3.82	
8	2,3,7,8-TCDF	1.04e3	0.77	NO	0.9154	10.009	24.75	1.001	0.0946	0.0509	0.0546	
9	1,2,3,7,8-PeCDF	1.02e3	1.55	NO	0.9594	10.009	29.81	1.001	0.104	0.0577	0.104	
10	2,3,4,7,8-PeCDF	1.27e3	1.45	NO	1.0035	10.009	30.74	1.000	14.2	4.13	14.2	
11	1,2,3,4,7,8-HxCDF	1.00e3	1.05	YES	1.0381	10.009	33.80	1.001	0.140	0.0634	0.129	
12	1,2,3,6,7,8-HxCDF	9.32e2	1.23	NO	1.0126	10.009	33.80	1.000	0.123	0.0633	0.123	
13	2,3,4,6,7,8-HxCDF			NO	1.0920	10.009				0.134		
14	1,2,3,7,8,9-HxCDF			NO	1.0258	10.009				0.367		
15	1,2,3,4,6,7,8-HxCDF	2.76e3	0.99	NO	1.0483	10.009	37.07	1.000	0.534	0.0595	0.534	
16	1,2,3,4,7,8,9-HxCDF			NO	1.2099	10.009				0.0685		
17	OCDF	2.00e2	0.80	NO	0.9468	10.009	41.58	1.000	0.649	0.0605	0.649	
18	13C-2,3,7,8-TCDD	1.87e6	0.79	NO	1.1842	10.009	25.75	1.030	166	83.1	0.119	
19	13C-1,2,3,7,8-PeCDD	1.41e6	0.83	NO	0.9644	10.009	31.17	1.247	171	65.7	0.199	
20	13C-1,2,3,4,7,8-HxCDD	2.49e5	1.28	NO	0.7539	10.009	34.59	1.013	35.2	17.6	0.237	
21	13C-1,2,3,6,7,8-HxCDD	3.29e5	1.02	YES	0.9254	10.009	34.70	1.016	37.9	19.0	0.193	



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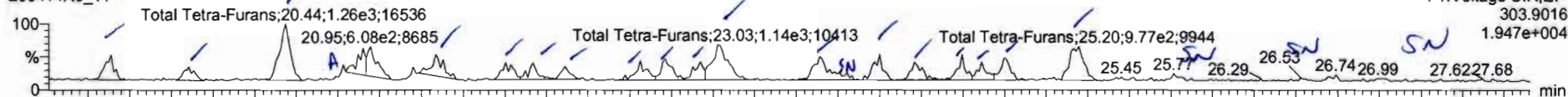
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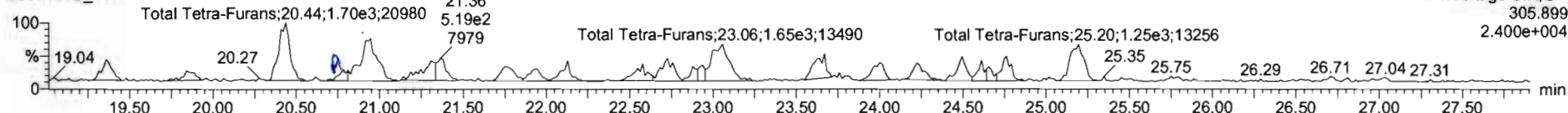
Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

2,3,7,8-TCDF

200414R3_11

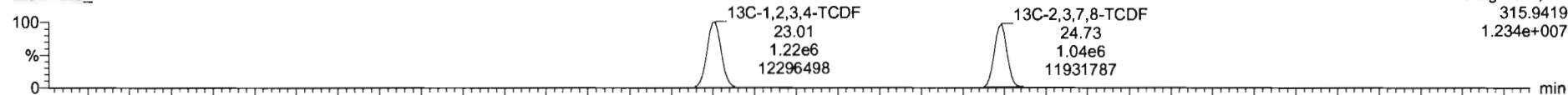


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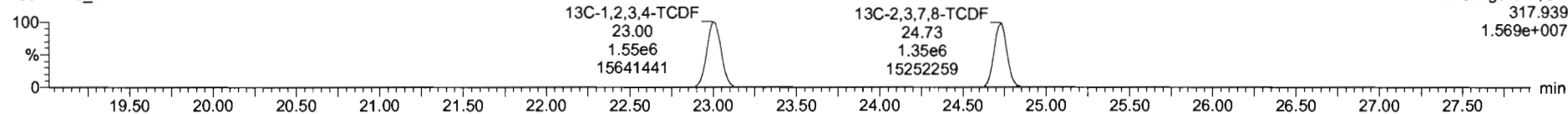


13C-2,3,7,8-TCDF

200414R3_11

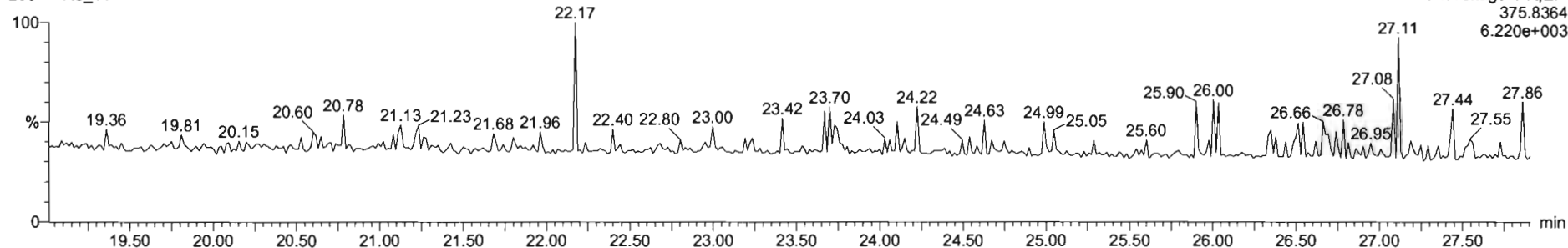


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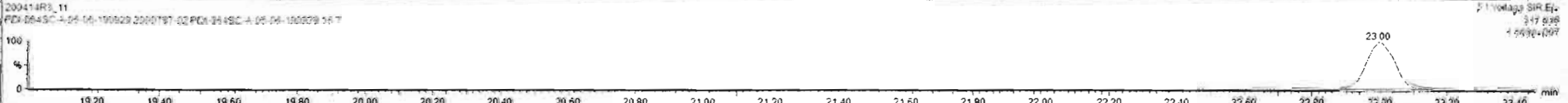
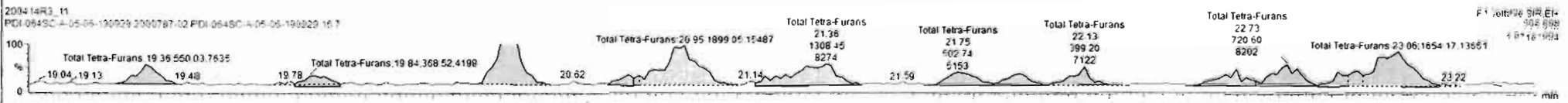
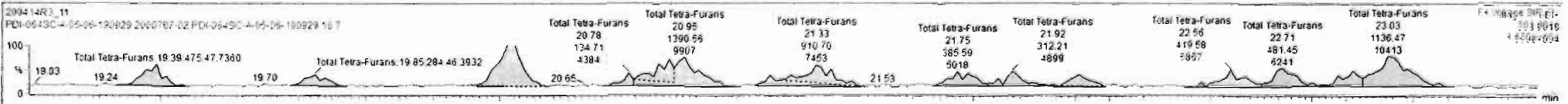


DPE1

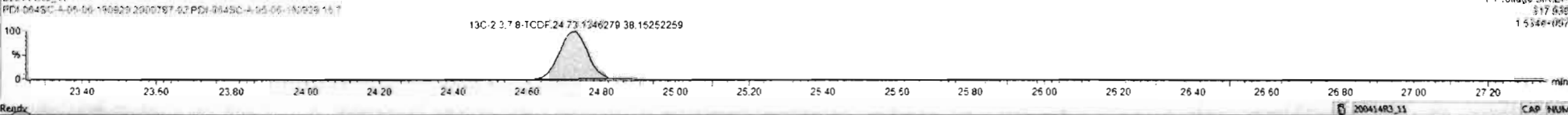
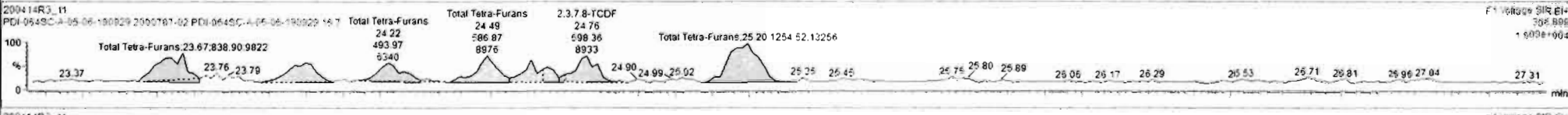
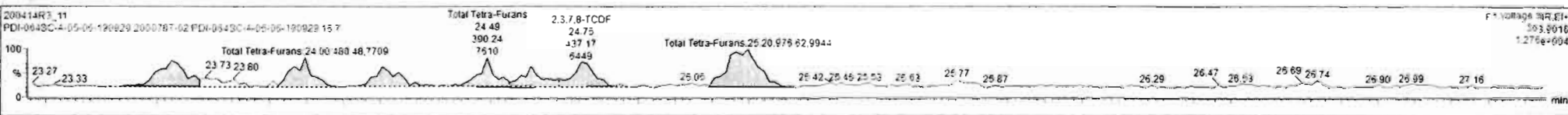
200414R3_11



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
29 13C-1,2,3,6,7,8-HxCDF	1.50e6	0.51	NO	1.1178	10.009	33.85	0.592	143	71.6	0.266	
30 13C-2,3,4,6,7,8-HxCDF	1.29e6	0.51	NO	1.0323	10.009	34.52	1.011	133	86.4	0.287	
31 13C-1,2,3,7,8,9-HxCDF	4.64e5	0.51	NO	0.8721	10.006	35.35	1.035	56.6	28.3	0.341	
32 13C-1,2,3,4,6,7,8-HpCDF	9.82e5	0.43	NO	0.7798	10.009	37.07	1.065	136	56.0	0.401	
33 13C-1,2,3,4,7,8,9-HpCDF	6.78e5	0.42	NO	0.5193	10.009	39.08	1.144	139	69.6	0.596	
34 13C-OCDF	1.30e6	0.68	NO	0.6963	10.006	41.68	1.220	199	49.7	0.276	
35 37Cl-2,3,7,8-TCDD	7.11e5			1.1745	10.009	25.76	1.031	63.6	79.6	0.0347	
36 13C-1,2,3,4-TCDF	1.90e6	0.80	NO	1.0500	10.009	25.00	1.000	200	100	0.141	
37 13C-1,2,3,4-TCDF	2.77e6	0.79	NO	1.0000	10.009	23.01	1.000	200	100	0.171	
38 13C-1,2,3,4,6,9-HxCDF	1.68e5	0.51	NO	1.0000	10.006	24.15	1.000	200	100	0.298	
39 Total Tetra-Dioxins				0.9535	10.009			0.694		0.0425	0.694
40 Total Penta-Dioxins				0.9212	10.009			0.789		0.0536	0.789
41 Total Hexa-Dioxins				0.9844	10.005			5.04		0.362	5.04
42 Total Hepta-Dioxins				1.0061	10.005			1.62		0.0657	1.62
43 Total Tetra-Furans				0.8154	10.009			1.87		0.0509	2.41
44 1st Func. Penta-Furans				0.9594	10.006			0.271		0.0216	0.271
45 Total Penta-Furans				0.9594	10.009			14.6		0.0944	15.7
46 Total Hexa-Furans				1.0920	10.009			0.581		0.120	0.801
47 Total Hepta-Furans				1.0483	10.005			0.534		0.0612	0.534
48 PFK1											
49 PFK2											



Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
29 13C-1,2,3,6,7,8-HxCDF	1.50e6	0.51	NO	1.1178	10.009	33.85	0.992	143	71.6	0.266	
30 13C-2,3,4,6,7,8-HxCDF	1.29e6	0.51	NO	1.0253	10.009	34.52	1.011	133	66.4	0.287	
31 13C-1,2,3,7,8,9-HxCDF	4.64e5	0.51	NO	0.8731	10.009	35.35	1.035	56.6	28.3	0.341	
32 13C-1,2,3,4,6,7,8-HpCDF	9.80e5	0.43	NO	0.7708	10.009	27.07	1.065	136	56.0	0.401	
33 13C-1,2,3,4,7,8,9-HpCDF	6.78e5	0.42	NO	0.5193	10.009	39.08	1.144	139	59.6	0.595	
34 13C-OCDF	1.10e6	0.68	NO	0.6963	10.009	41.88	1.220	199	49.7	0.276	
35 37Cl-2,3,7,8-TCDD	7.11e5			1.1745	10.009	25.78	1.031	63.5	79.6	0.0347	
36 13C-1,2,3,4-TCDD	1.90e6	0.80	NO	1.0500	10.009	25.00	1.000	200	100	0.141	
37 13C-1,2,3,4-TCDF	2.77e6	0.79	NO	1.0000	10.009	23.01	1.000	200	100	0.171	
38 13C-1,2,3,4,6,9-HxCDF	1.88e6	0.51	NO	1.0000	10.009	34.15	1.000	200	100	0.298	
39 Total Tetra-Dioxins				0.9835	10.009			5.694	0.0425	0.694	
40 Total Penta-Dioxins				0.8212	10.009			0.789	0.0536	0.789	
41 Total Hexa-Dioxins				0.9844	10.009			5.04	0.362	5.04	
42 Total Hepta-Dioxins				1.0061	10.009			1.62	0.0657	1.62	
43 Total Tetra-Furans				0.9154	10.009			2.10	0.0509	2.48	
44 1st Func. Penta-Furans				0.9594	10.009			0.271	0.0216	0.271	
45 Total Penta-Furans				0.9594	10.009			14.5	0.0944	15.7	
46 Total Hexa-Furans				1.0920	10.009			5.561	0.120	0.801	
47 Total Hepta-Furans				1.0453	10.009			0.534	0.0612	0.534	
48 PFK1											
49 PFK2											



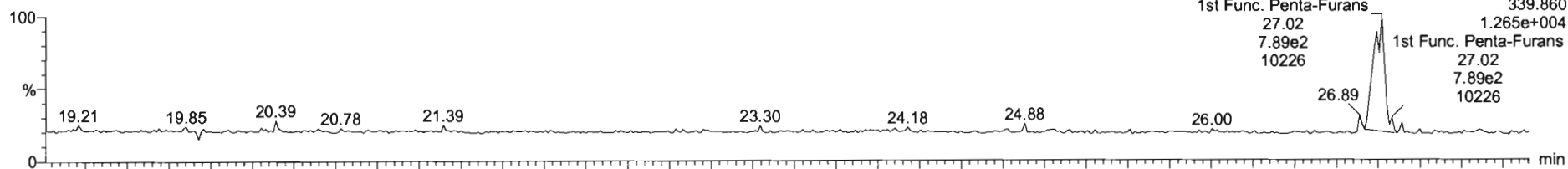
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Printed: Wednesday, April 15, 2020 07:30:51 Pacific Daylight Time

Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

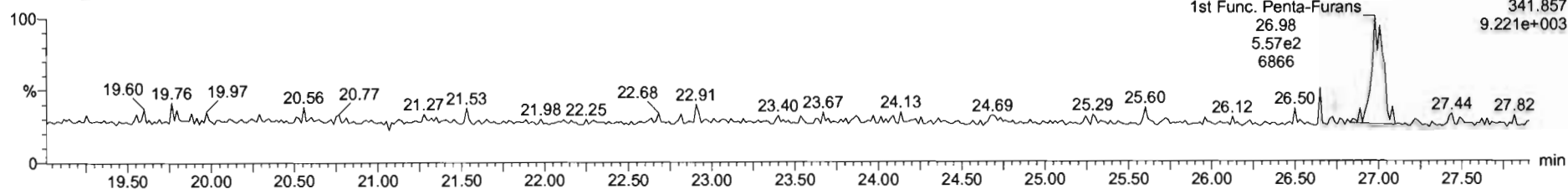
1st Func. Penta-Furans

200414R3_11



F1:Voltage SIR,EI+
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1.265e+004
1st Func. Penta-Furans
27.02
7.89e2
10226

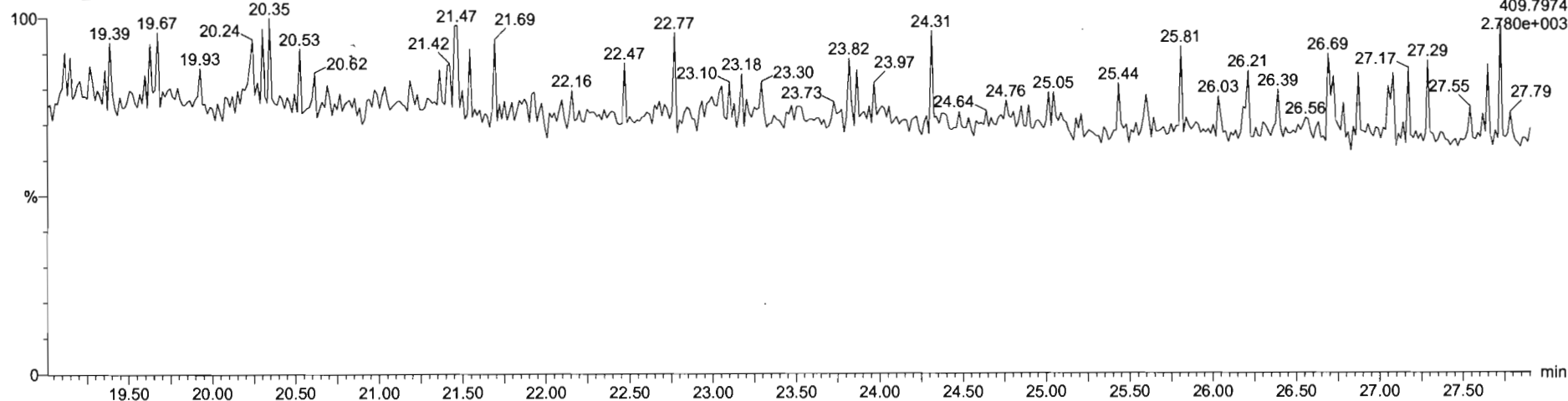
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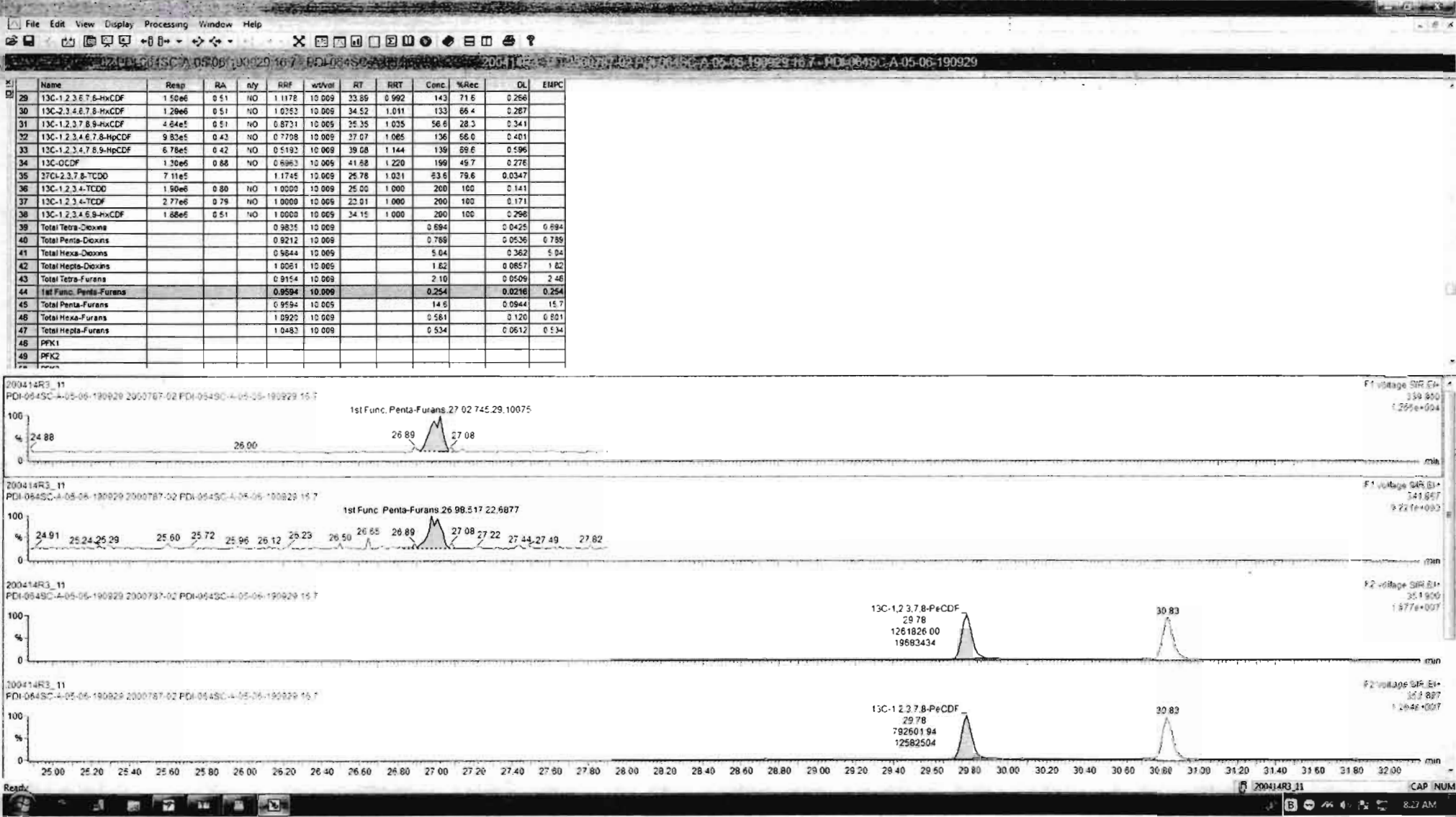
F1:Voltage SIR,EI+
341.857
9.221e+003
1st Func. Penta-Furans
26.98
5.57e2
6866

DPE6

200414R3_11



F1:Voltage SIR,EI+
409.7974
2.780e+003

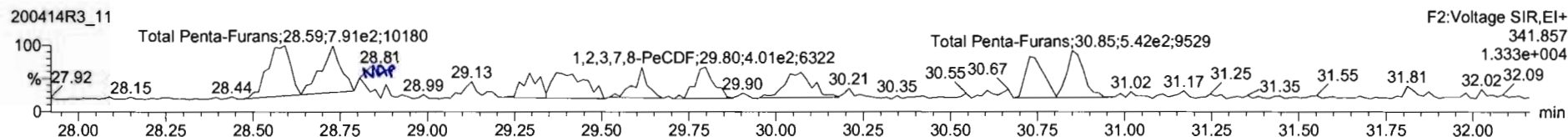
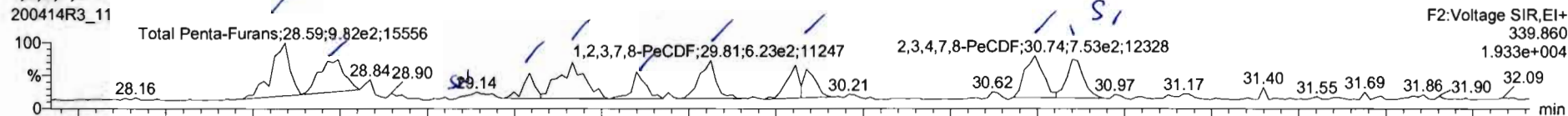


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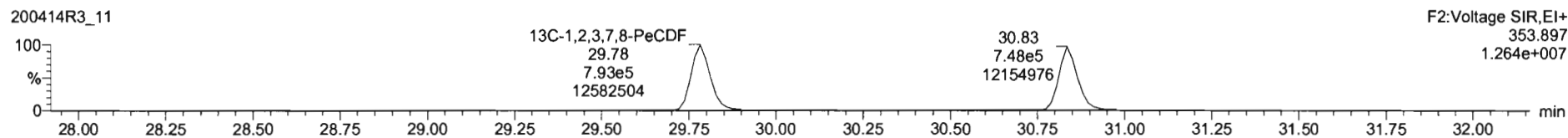
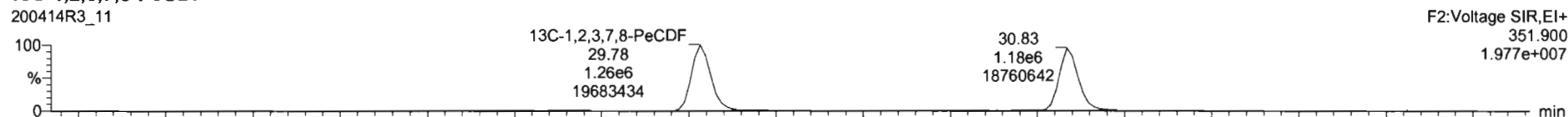
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Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

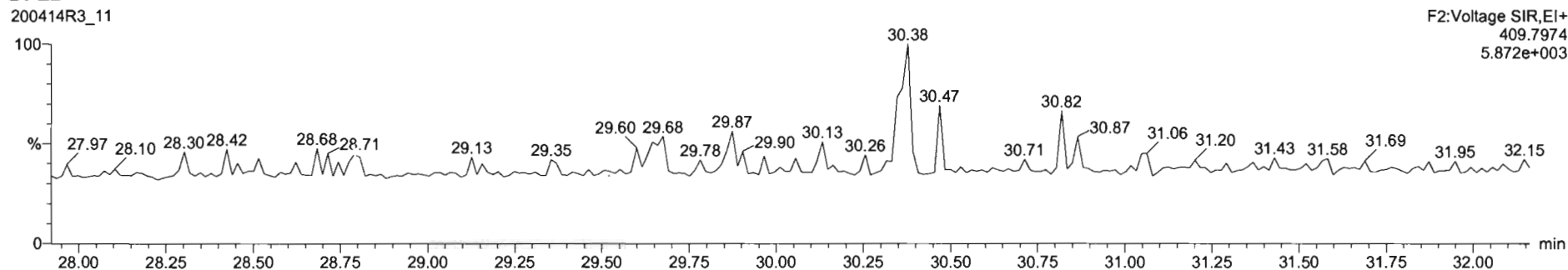
1,2,3,7,8-PeCDF



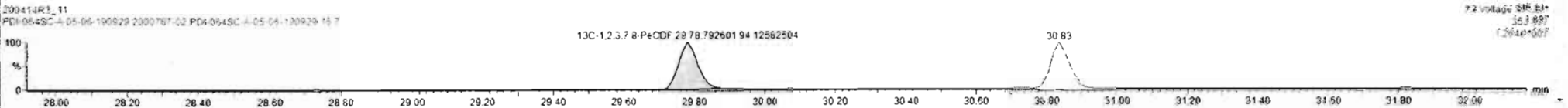
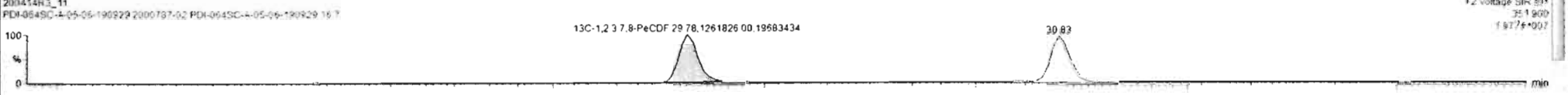
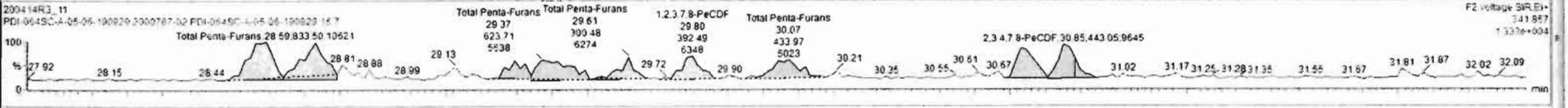
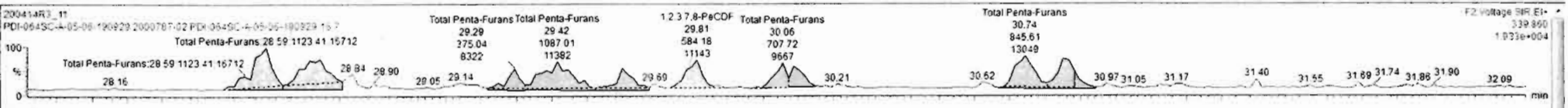
13C-1,2,3,7,8-PeCDF



DPE2



Name	Resp	RA	u/y	RRF	wdval	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4-E-9-HxCDF	1.58eE	0.51	NO	1.0300	10.009	34.15	1.000	200	100	0.296	
39 Total Tetra-Dioxins				0.9835	10.009			0.694		0.0425	0.594
40 Total Penta-Dioxins				0.5212	10.009			0.789		0.0536	0.789
41 Total Hexa-Dioxins				0.9844	10.009			5.04		0.362	5.04
42 Total Hepta-Dioxins				1.0061	10.009			1.82		0.0657	1.82
43 Total Tetra-Furans				0.9154	10.009			2.10		0.0509	2.48
44 1st Func. Penta-Furans				0.9594	10.009			0.132		0.0135	0.132
45 Total Penta-Furans				0.9594	10.009			1.23		0.0580	1.23
46 Total Hexa-Furans				1.0920	10.009			0.581		0.120	0.201
47 Total Hepta-Furans				1.0483	10.009			0.534		0.0612	0.534
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



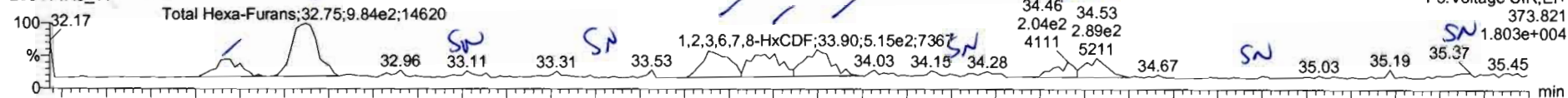
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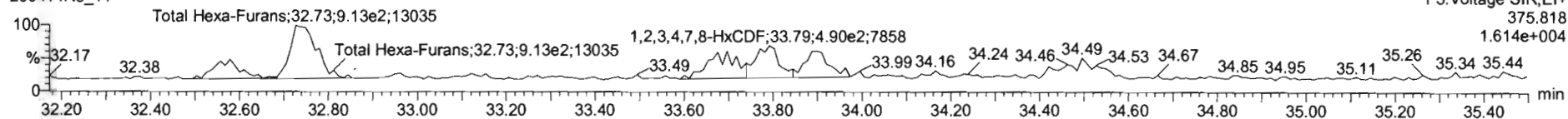
Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

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

200414R3_11

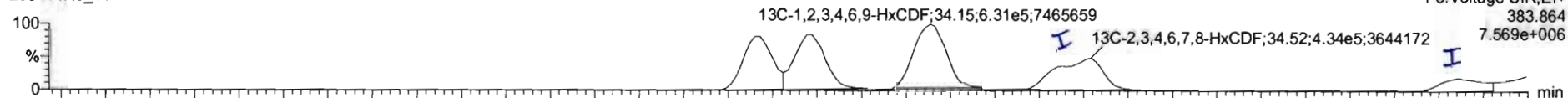


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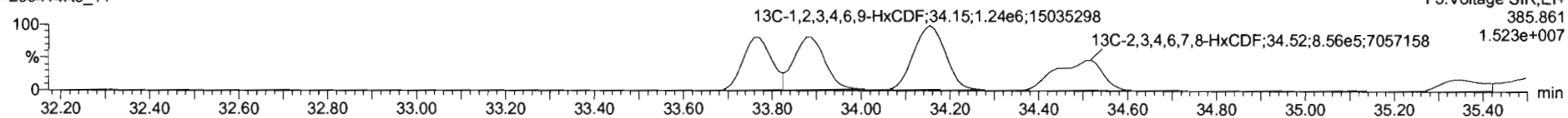


13C-1,2,3,4,7,8-HxCDF

200414R3_11

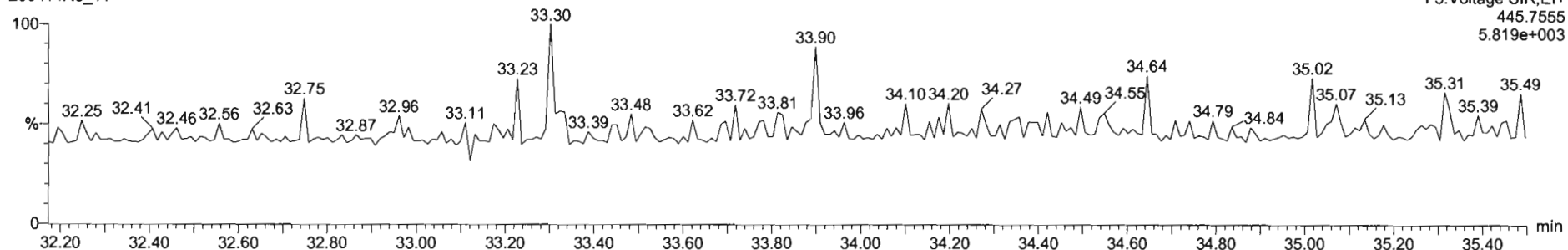


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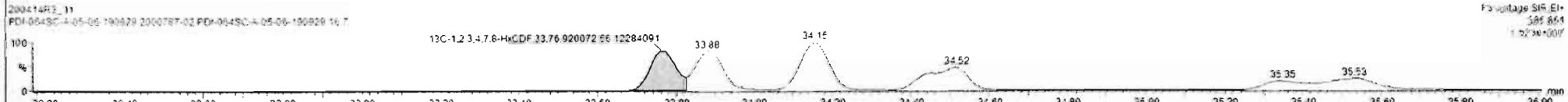
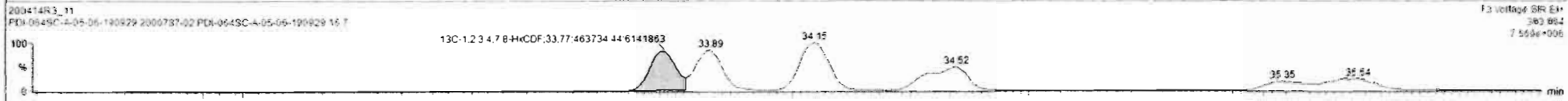
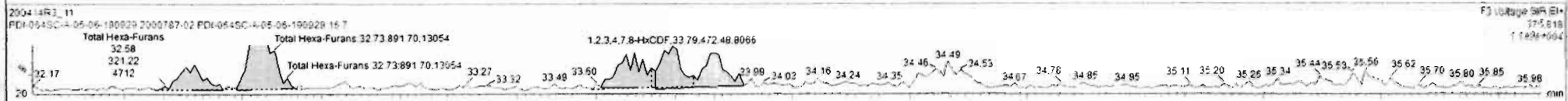
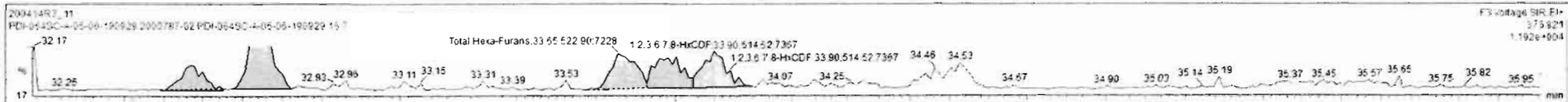


DPE3

200414R3_11



Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	1.58e6	0.51	NO	1.0000	10.009	34.15	1.000	200	100	0.298	
39 Total Tetra-Dioxins				0.9835	10.009			0.694	0.0425	0.694	
40 Total Penta-Dioxins				0.9212	10.009			0.789	0.0536	0.789	
41 Total Hexa-Dioxins				0.9844	10.009			5.04	3.362	5.04	
42 Total Hepta-Dioxins				1.0061	10.009			1.82	0.0857	1.82	
43 Total Tetra-Furans				0.9154	10.009			2.10	0.0509	2.48	
44 1st Func. Penta-Furans				0.9594	10.009			0.132	0.0135	0.132	
45 Total Penta-Furans				0.9594	10.009			1.23	0.0590	1.23	
46 Total Hexa-Furans				1.0920	10.009			0.824	0.120	0.824	
47 Total Hepta-Furans				1.0423	10.009			0.534	0.0612	0.534	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



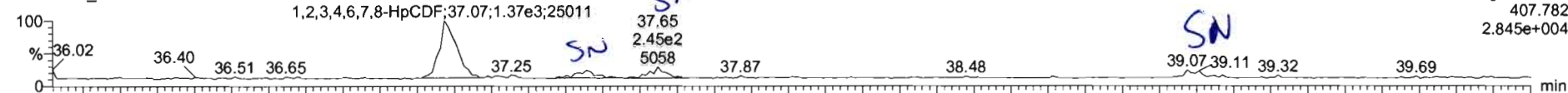
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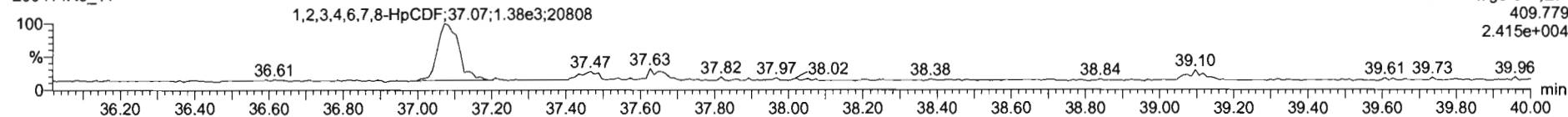
Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

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

200414R3_11

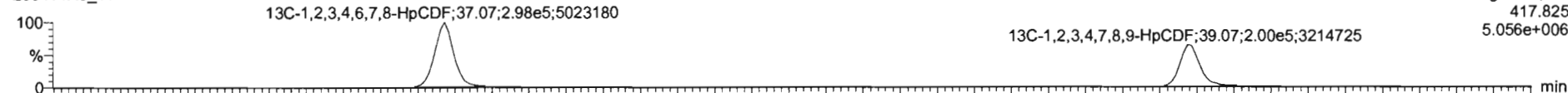


200414R3_11

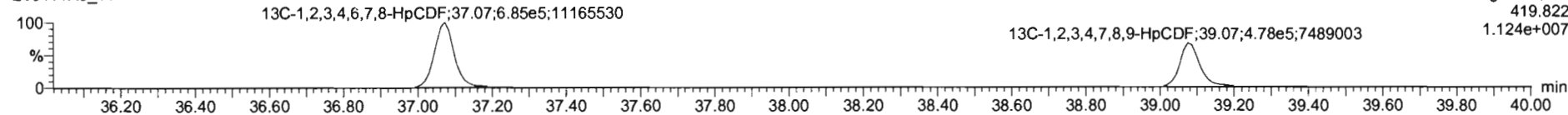


13C-1,2,3,4,6,7,8-HpCDF

200414R3_11

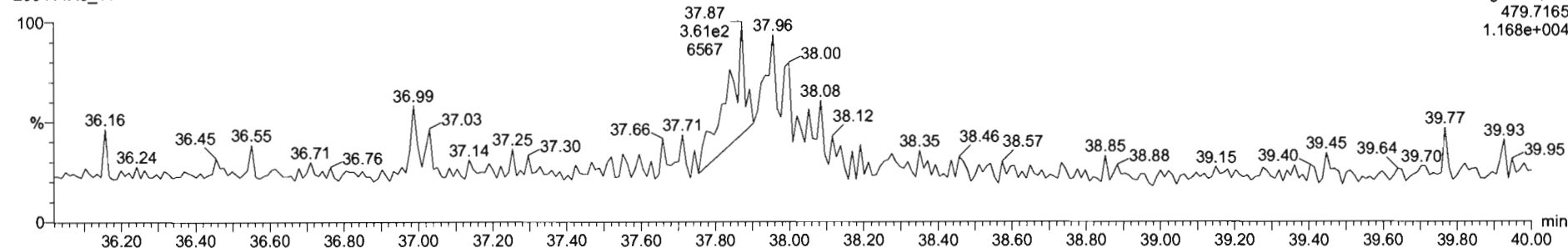


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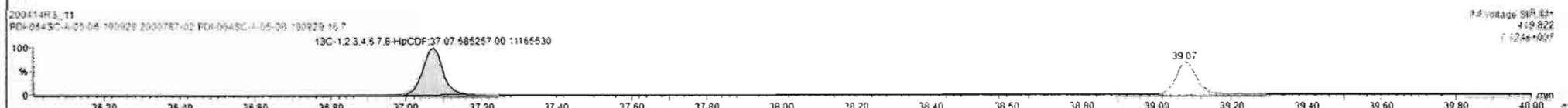
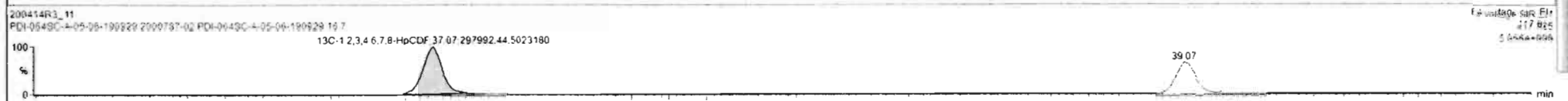
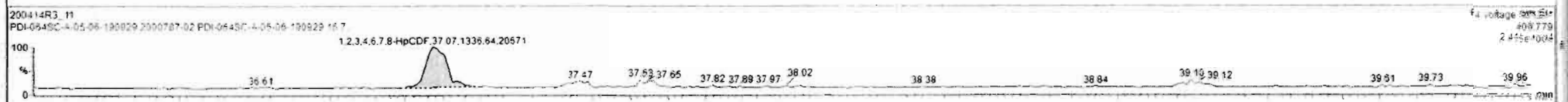
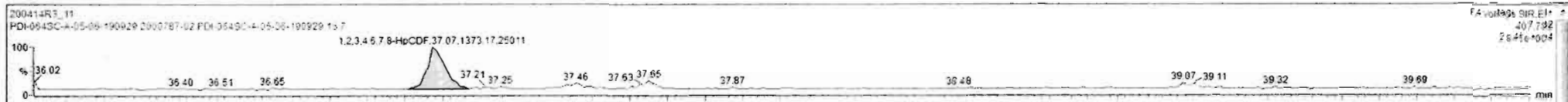


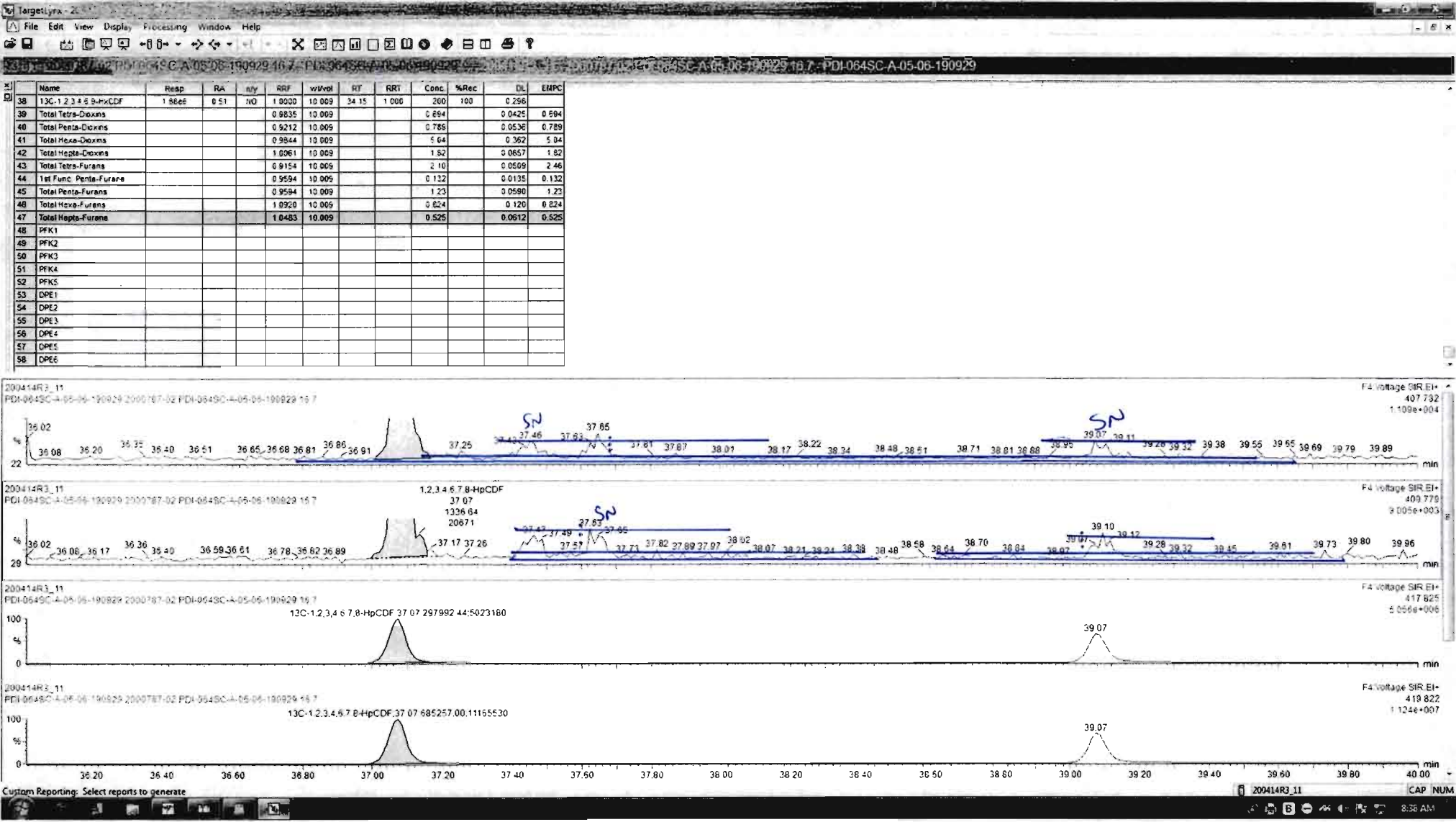
DPE4

200414R3_11



Name	Resp	RA	nly	RRF	wpVol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,9-HxCDF	1.88eE	0.51		1.0000	10.009	34.15	1.000	200	100	0.298	
39 Total Tetra-Dioxins				0.9835	10.009			0.694		0.0425	0.694
40 Total Penta-Dioxins				0.9212	10.009			0.789		0.0536	0.789
41 Total Hexa-Dioxins				0.9844	10.009			5.04		0.362	5.04
42 Total Hepta-Dioxins				1.0261	10.009			1.82		0.0657	1.82
43 Total Tetra-Furans				0.9154	10.009			2.10		0.0509	2.46
44 1st Func. Penta-Furans				0.9594	10.009			0.132		0.0135	0.132
45 Total Penta-Furans				0.9594	10.009			1.23		0.0590	1.23
46 Total Hexa-Furans				1.0920	10.009			0.824		0.120	0.824
47 Total Hepta-Furans				1.0483	10.009			0.525		0.0612	0.525
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

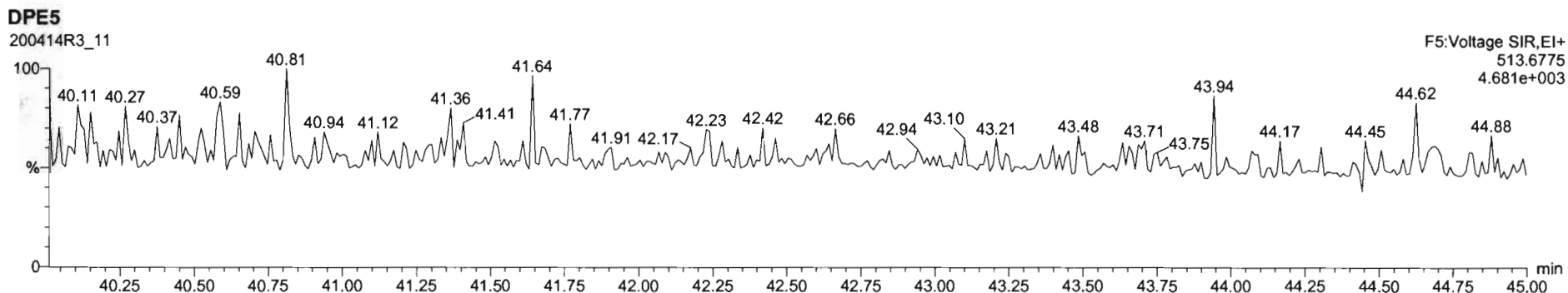
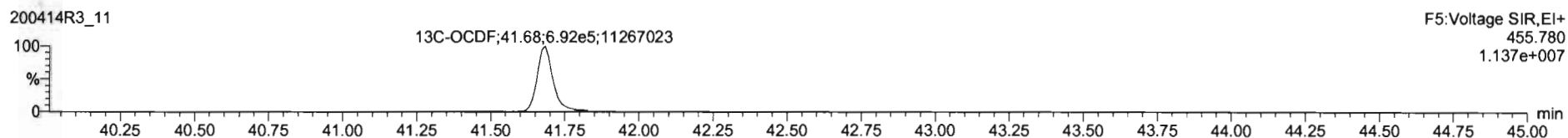
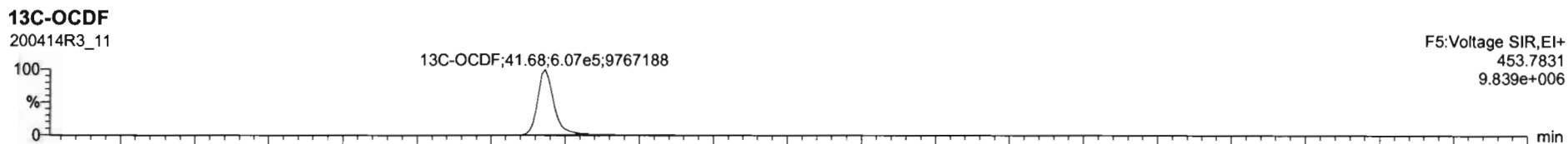
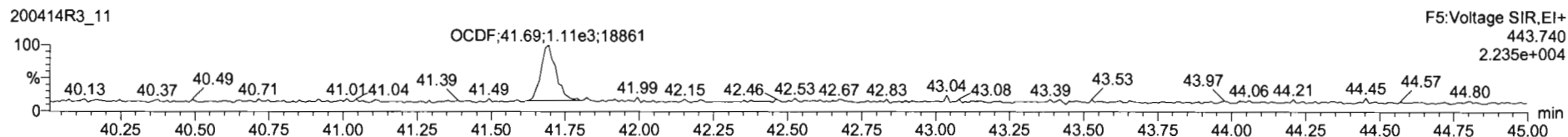
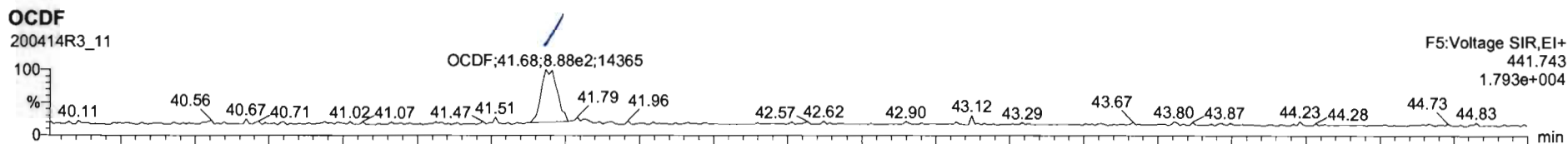




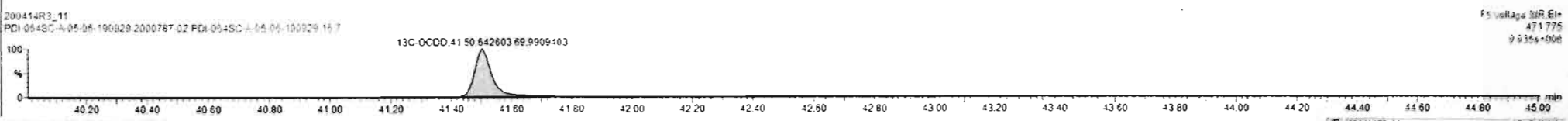
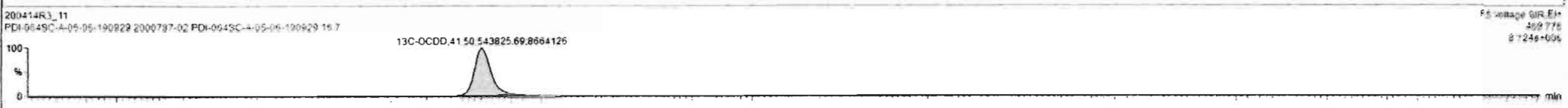
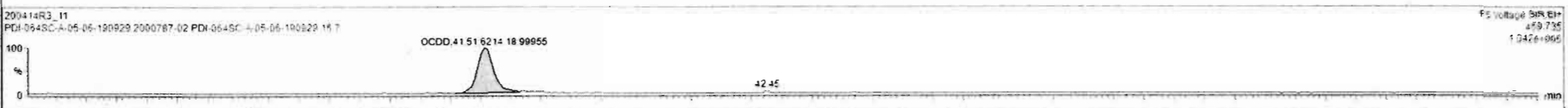
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Printed: Wednesday, April 15, 2020 07:30:51 Pacific Daylight Time

Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929



Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	0.9835	10.069					0.0425	
2 1,2,3,7,8-PeCDD			NO	0.9212	10.069					0.0536	
3 1,2,3,4,7,8-HxCDD			NO	1.1325	10.069					0.337	
4 1,2,3,6,7,8-HxCDD			NO	0.9844	10.069					0.380	
5 1,2,3,7,8,9-HxCDD			NO	0.9574	10.069					0.277	
6 1,2,3,4,6,7,8-HpCDD	3.68e3	0.91	NO	1.0261	10.069	38.45	1.001	0.807		0.0870	0.897
7 OCDD	1.19e4	0.92	NO	1.0515	10.069	41.51	1.000	3.82		0.122	3.82
8 2,3,7,8-TCDF	1.04e3	0.77	NO	0.9154	10.069	24.75	1.001	0.0946		0.0509	0.0946
9 1,2,3,7,8-PeCDF	1.62e3	1.55	NO	0.9594	10.069	29.81	1.001	0.104		0.0577	0.104
10 2,3,4,7,8-PeCDF	1.27e3	1.45	NO	1.0035	10.069	30.74	1.000	14.2		4.13	14.2
11 1,2,3,4,7,8-HxCDF	1.00e3	1.05	YES	1.0381	10.069	33.80	1.001	0.140		0.0634	0.126
12 1,2,3,6,7,8-HxCDF	9.32e2	1.23	NO	1.0126	10.069	33.90	1.000	0.123		0.0633	0.123
13 2,3,4,6,7,8-HxCDF			NO	1.0920	10.069					0.134	
14 1,2,3,7,8,9-HxCDF			NO	1.0288	10.069					0.367	
15 1,2,3,4,6,7,8-HpCDF	2.76e3	0.99	NO	1.0483	10.069	37.07	1.000	0.534		0.0505	0.534
16 1,2,3,4,7,8,9-HpCDF			NO	1.2099	10.069					0.0685	
17 OCDF	2.00e3	0.80	NO	0.9428	10.069	41.65	1.000	0.649		0.0805	0.649
18 13C-2,3,7,8-TCDD	1.87e6	0.75	NO	1.1842	10.069	25.75	1.030	166	83.1	0.119	
19 13C-1,2,3,7,8-PeCDD	1.41e6	0.63	NO	0.9644	10.069	31.17	1.247	171	85.7	0.199	
20 13C-1,2,3,4,7,8-HxCDD	2.49e6	1.28	NO	0.7539	10.069	34.59	1.013	35.2	17.6	0.237	
21 13C-1,2,3,6,7,8-HxCDD	3.29e6	1.02	YES	0.8254	10.069	34.70	1.015	37.9	19.0	0.193	

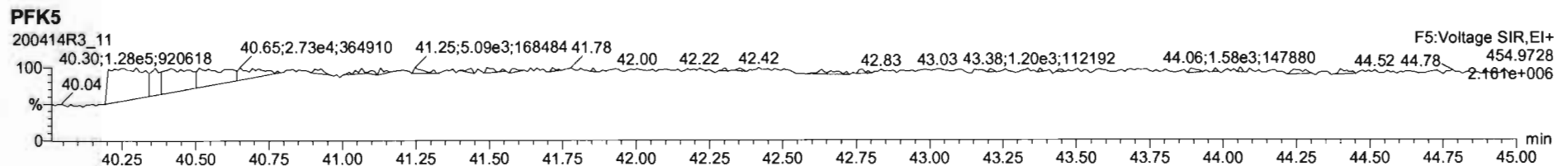
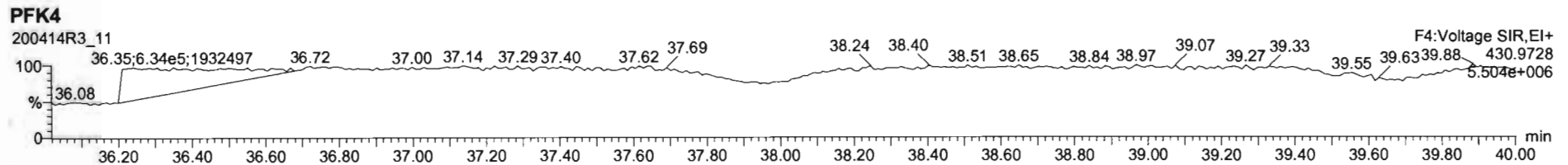
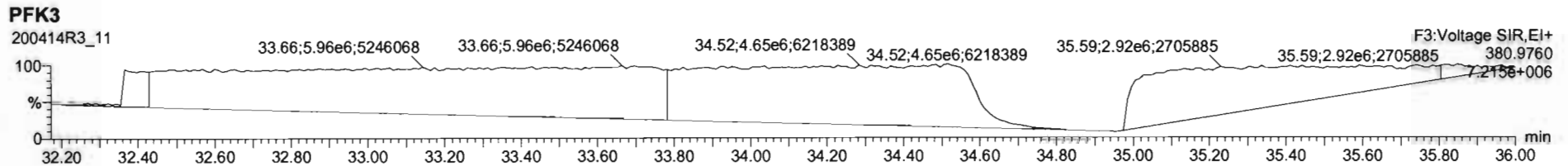
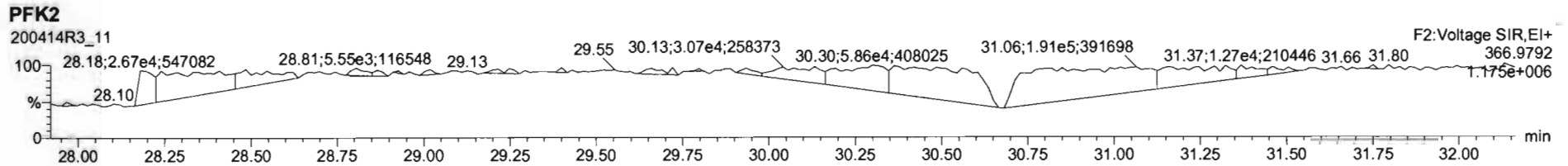
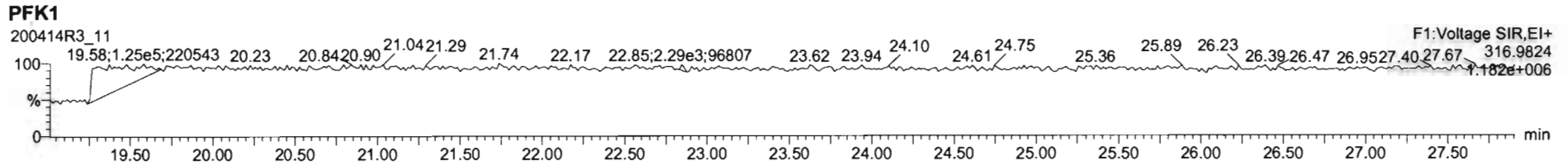


Custom Reporting: Select reports to generate

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Printed: Wednesday, April 15, 2020 07:30:51 Pacific Daylight Time

Name: 200414R3_11, Date: 14-Apr-2020, Time: 22:49:31, ID: 2000787-02 PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929



Dataset: U:\VG12.PRO\Results\200414R3\200414R3-12.qld

Last Altered: Wednesday, April 15, 2020 08:54:09 Pacific Daylight Time
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GRB 04/15/2020

Method: Untitled 01 Apr 2020 15:13:32
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

CT 04/15/2020

Name: 200414R3_12, Date: 14-Apr-2020, Time: 23:37:22, ID: 2000787-02@5X PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

#	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	0.983	10.009	25.781		1.001				0.206	
2	2 1,2,3,7,8-PeCDD			NO	0.921	10.009	31.177		1.001				0.293	
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.009	34.611		1.000				0.327	
4	4 1,2,3,6,7,8-HxCDD			NO	0.984	10.009	34.708		1.000				0.918	
5	5 1,2,3,7,8,9-HxCDD			NO	0.967	10.009	34.984		1.000				0.252	
6	6 1,2,3,4,6,7,8-HpCDD			NO	1.01	10.009	38.415		1.000				0.336	
7	7 OCDD	1.83e3	0.86	NO	1.05	10.009	41.514	41.52	1.000	1.000	4.3175		0.678	4.32
8	8 2,3,7,8-TCDF			NO	0.915	10.009	24.757		1.001				0.202	
9	9 1,2,3,7,8-PeCDF			NO	0.959	10.009	29.803		1.001				0.187	
10	10 2,3,4,7,8-PeCDF			NO	1.00	10.009	30.866		1.001				0.181	
11	11 1,2,3,4,7,8-HxCDF	2.06e2	1.03	YES	1.04	10.009	33.749	33.76	1.000	1.000	0.19252		0.0951	0.176
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	10.009	33.877		1.000				0.168	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.009	34.465		1.001				0.217	
14	14 1,2,3,7,8,9-HxCDF			NO	1.03	10.009	35.326		1.000				0.269	
15	15 1,2,3,4,6,7,8-HpCDF	4.56e2	0.91	NO	1.05	10.009	37.056	37.03	1.001	1.000	0.59782		0.214	0.598
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.009	39.064		1.000				0.328	
17	17 OCDF			NO	0.947	10.009	41.684		1.000				0.409	
18	18 13C-2,3,7,8-TCDD	3.01e5	0.78	NO	1.18	10.009	25.720	25.75	1.029	1.030	165.40	82.8	0.508	
19	19 13C-1,2,3,7,8-PeCDD	2.16e5	0.60	NO	0.864	10.009	30.900	31.16	1.236	1.246	162.96	81.6	0.552	
20	20 13C-1,2,3,4,7,8-HxCDD	1.09e5	1.28	NO	0.754	10.009	34.607	34.60	1.014	1.014	101.94	51.0	1.09	
21	21 13C-1,2,3,6,7,8-HxCDD	7.01e4	1.26	NO	0.925	10.009	34.717	34.71	1.017	1.017	53.542	26.8	0.887	
22	22 13C-1,2,3,7,8,9-HxCDD	2.08e5	1.23	NO	0.829	10.009	34.979	34.97	1.025	1.025	177.41	88.8	0.990	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.30e5	1.02	NO	0.598	10.009	38.454	38.40	1.127	1.125	153.53	76.8	0.718	
24	24 13C-OCDD	1.61e5	0.89	NO	0.571	10.009	41.618	41.51	1.219	1.216	198.96	49.8	0.738	
25	25 13C-2,3,7,8-TCDF	3.90e5	0.77	NO	1.09	10.009	24.742	24.73	0.990	0.989	157.44	78.8	0.710	
26	26 13C-1,2,3,7,8-PeCDF	3.24e5	1.53	NO	0.876	10.009	29.572	29.78	1.183	1.191	162.43	81.3	0.977	
27	27 13C-2,3,4,7,8-PeCDF	3.07e5	1.60	NO	0.844	10.009	30.832	30.83	1.233	1.233	159.70	79.9	1.01	
28	28 13C-1,2,3,4,7,8-HxCDF	2.06e5	0.50	NO	1.00	10.009	33.751	33.75	0.989	0.989	145.83	73.0	0.866	
29	29 13C-1,2,3,6,7,8-HxCDF	2.33e5	0.50	NO	1.12	10.009	33.860	33.87	0.992	0.992	147.27	73.7	0.775	
30	30 13C-2,3,4,6,7,8-HxCDF	1.89e5	0.51	NO	1.04	10.009	34.444	34.43	1.009	1.009	128.97	64.5	0.837	
31	31 13C-1,2,3,7,8,9-HxCDF	1.94e5	0.51	NO	0.873	10.009	35.321	35.33	1.035	1.035	157.26	78.7	0.992	

Dataset: U:\VG12.PRO\Results\200414R3\200414R3-12.qld

Last Altered: Wednesday, April 15, 2020 08:54:09 Pacific Daylight Time

Printed: Wednesday, April 15, 2020 08:55:13 Pacific Daylight Time

Name: 200414R3_12, Date: 15-Apr-2020, Time: 23:37:22, ID: 2000787-02@5X PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.45e5	0.41	NO	0.771	10.009	37.045	37.02	1.085	1.085	133.39	66.8	0.831	
33	13C-1,2,3,4,7,8,9-HpCDF	8.86e4	0.41	NO	0.519	10.009	39.140	39.06	1.147	1.144	120.61	60.4	1.23	
34	13C-OCDF	1.79e5	0.84	NO	0.696	10.009	41.799	41.68	1.225	1.221	181.62	45.4	0.604	
35	37Cl-2,3,7,8-TCDD	1.13e5			1.17	10.009	25.730	25.78	1.029	1.031	62.858	78.6	0.108	
36	13C-1,2,3,4-TCDD	3.07e5	0.78	NO	1.00	10.009	25.050	25.00	1.000	1.000	199.83	100	0.601	
37	13C-1,2,3,4-TCDF	4.55e5	0.77	NO	1.00	10.009	23.190	23.01	1.000	1.000	199.83	100	0.773	
38	13C-1,2,3,4,6,9-HxCDF	2.83e5	0.51	NO	1.00	10.009	34.040	34.13	1.000	1.000	199.83	100	0.866	
39	Total Tetra-Dioxins				0.983	10.009	24.620		0.000		0.45842		0.206	0.458
40	Total Penta-Dioxins				0.921	10.009	29.960		0.000				0.157	
41	Total Hexa-Dioxins				0.984	10.009	33.635		0.000		1.8856		0.405	1.89
42	Total Hepta-Dioxins				1.01	10.009	37.640		0.000		1.1933		0.336	1.19
43	Total Tetra-Furans				0.915	10.009	23.610		0.000				0.0961	
44	1st Func. Penta-Furans				0.959	10.009	27.090		0.000				0.0268	
45	Total Penta-Furans				0.959	10.009	29.275		0.000				0.0984	
46	Total Hexa-Furans				1.09	10.009	33.555		0.000		0.00000		0.105	0.176
47	Total Hepta-Furans				1.05	10.009	37.835		0.000		0.59782		0.276	0.598

Dataset: U:\VG12.PRO\Results\200414R3\200414R3-12.qld

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

200787-02@5X PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.32	3.368e3	4.663e3	2.930e2	3.852e2	0.76	NO	6.782e2	0.45842	0.45842	0.206

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	33.14	4.522e3	4.426e3	2.250e2	1.988e2	1.13	NO	4.238e2	0.66718	0.66718	0.405
2	Total Hexa-Dioxins	33.70	5.423e3	3.045e3	2.520e2	1.882e2	1.34	NO	4.402e2	0.69301	0.69301	0.405
3	Total Hexa-Dioxins	33.93	2.695e3	3.835e3	1.823e2	1.514e2	1.20	NO	3.338e2	0.52542	0.52542	0.405

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.41	6.799e3	5.411e3	4.153e2	3.650e2	1.14	NO	7.803e2	1.1933	1.1933	0.336

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:\WG12.PRO\Results\200414R3\200414R3-12.qld

Last Altered: Wednesday, April 15, 2020 08:54:09 Pacific Daylight Time

Printed: Wednesday, April 15, 2020 08:55:13 Pacific Daylight Time

Name: 200414R3_02, Date: 15-Apr-2020, Time: 20:57:22, ID: 2000787-02@5X PDI-064SC-A-05-06-190929 16.7, Description: PDI-064SC-A-05-06-190929

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	1,2,3,4,7,8-HxCDF	33.76	2.253e3	2.499e3	1.045e2	1.017e2	1.03	YES	2.063e2	0.00000	0.17625	0.0951

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.03	3.899e3	4.467e3	2.168e2	2.392e2	0.91	NO	4.560e2	0.59782	0.59782	0.214

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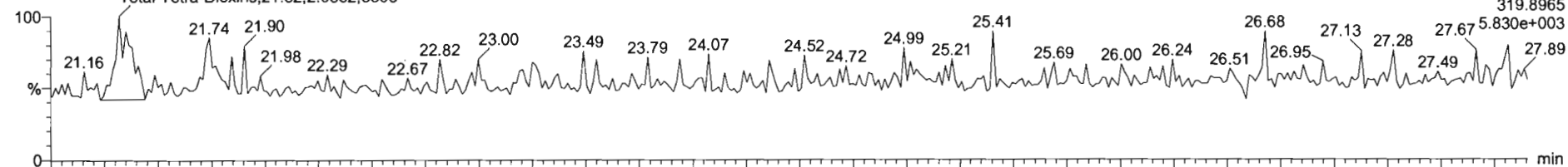
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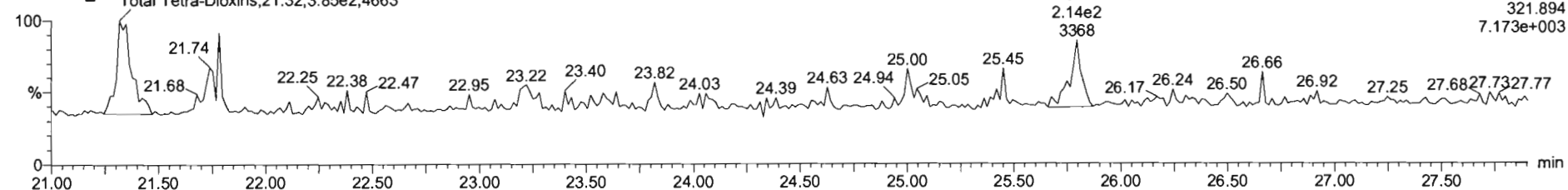
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2,3,7,8-TCDD

200414R3_12 Total Tetra-Dioxins;21.32;2.93e2;3368

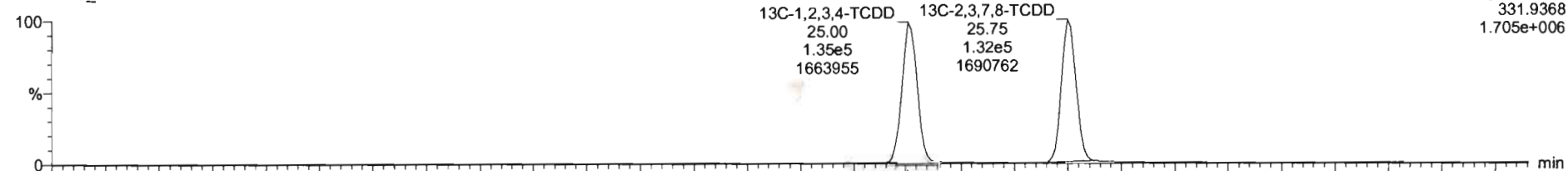


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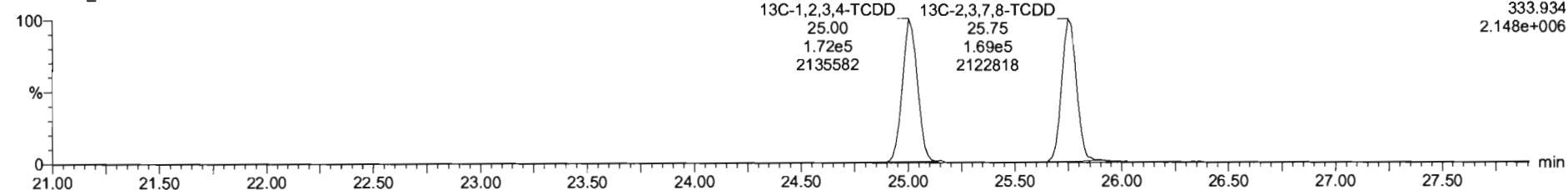


13C-2,3,7,8-TCDD

200414R3_12



200414R3_12



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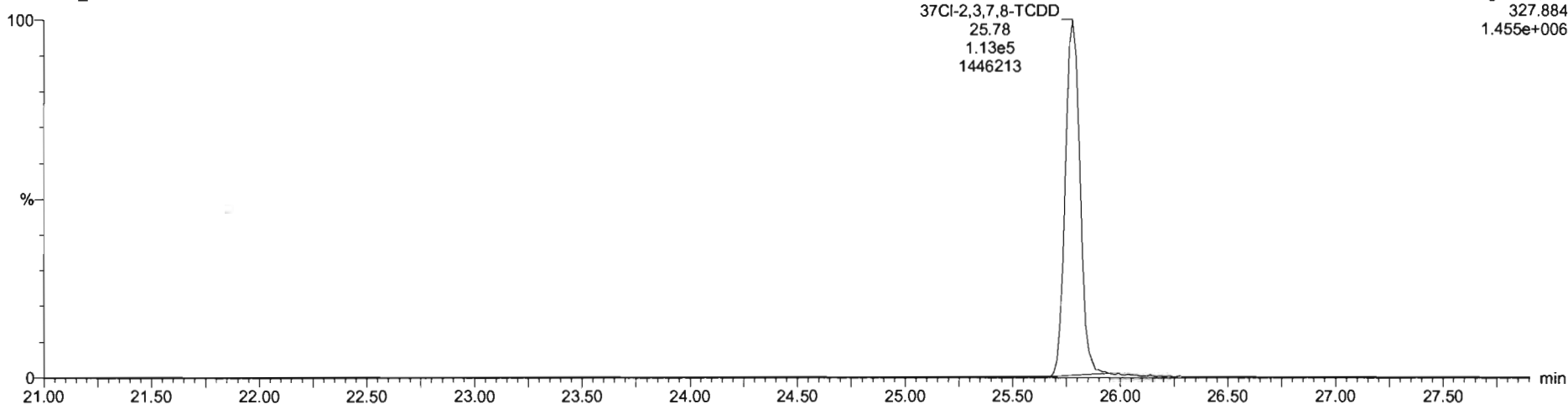
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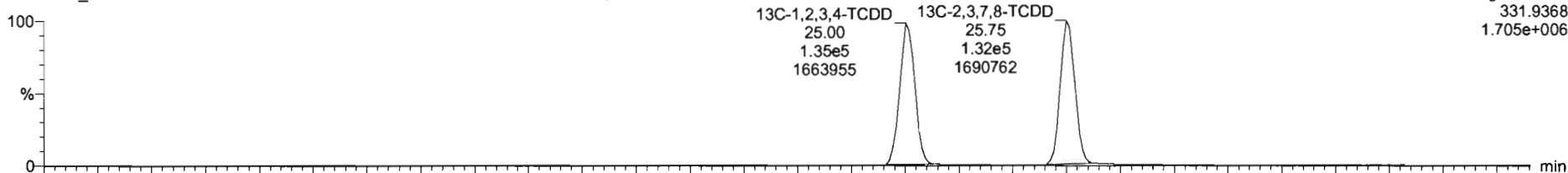
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200414R3_12

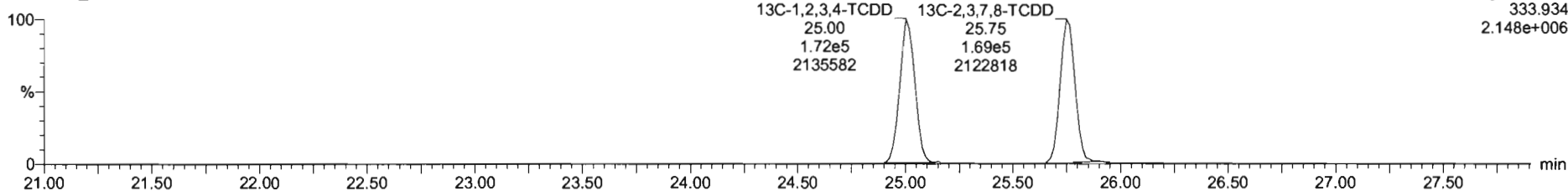


13C-1,2,3,4-TCDD

200414R3_12



200414R3_12



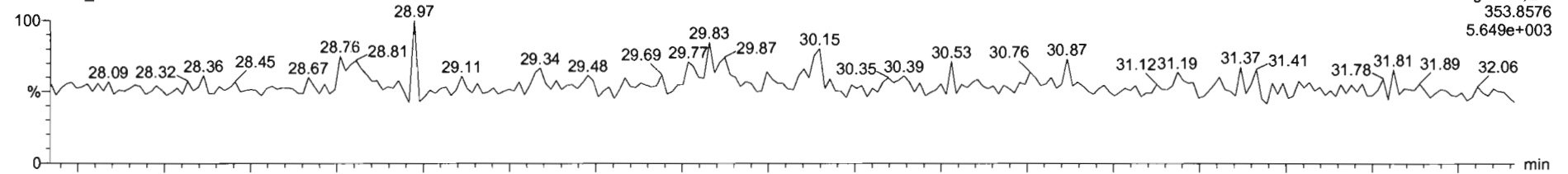
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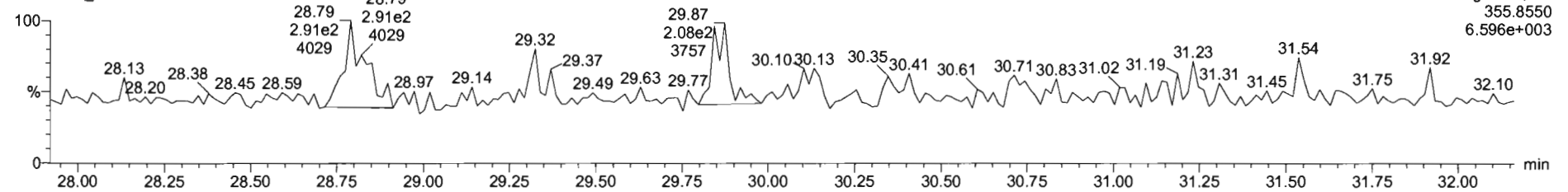
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1,2,3,7,8-PeCDD

200414R3_12

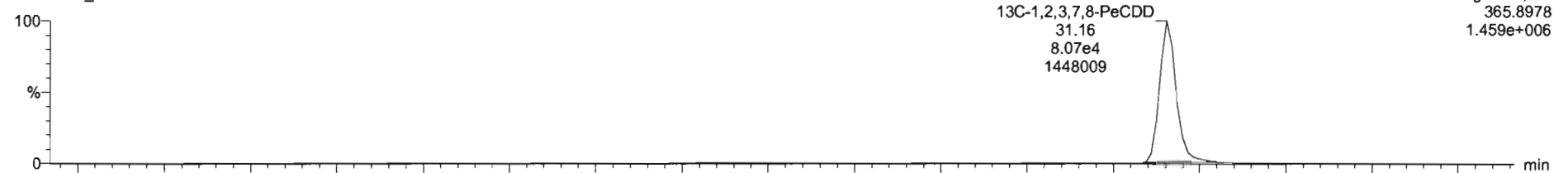


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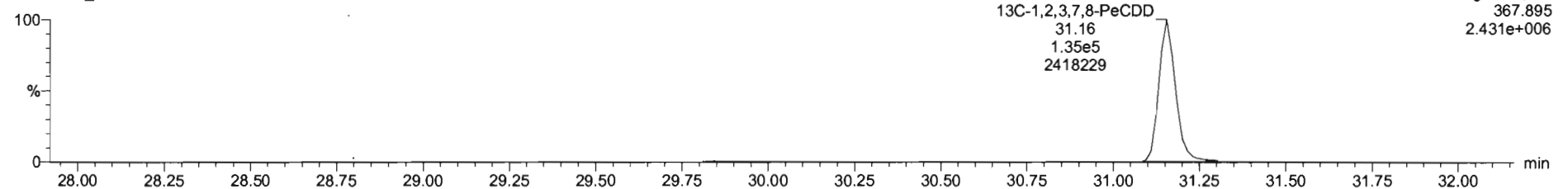


13C-1,2,3,7,8-PeCDD

200414R3_12



200414R3_12

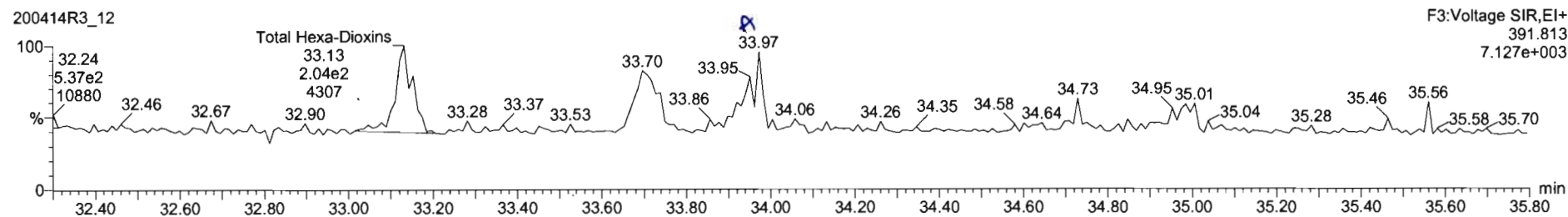
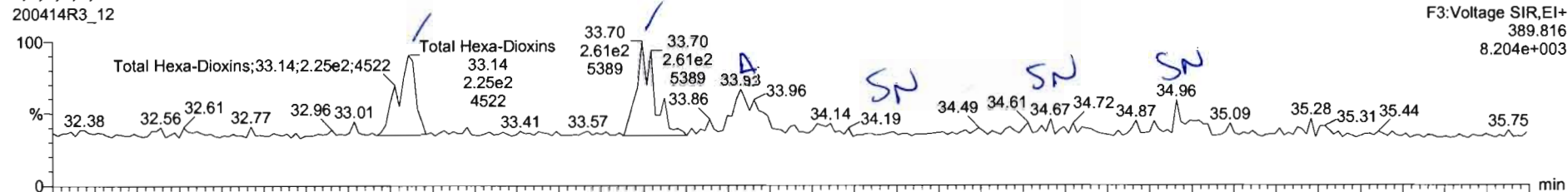


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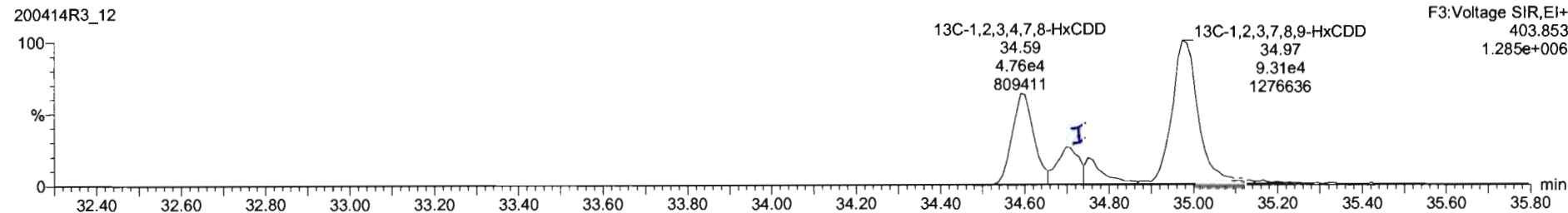
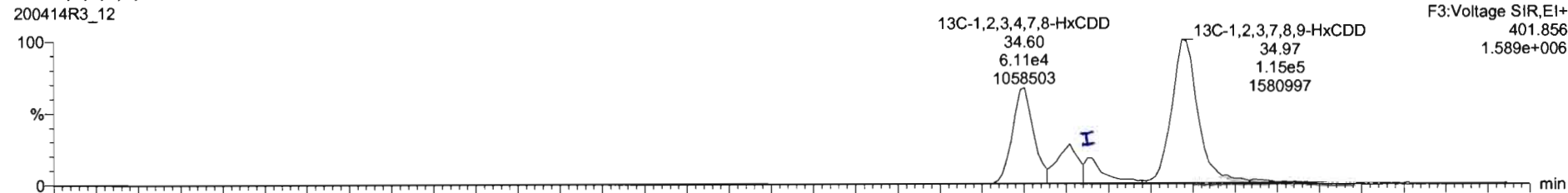
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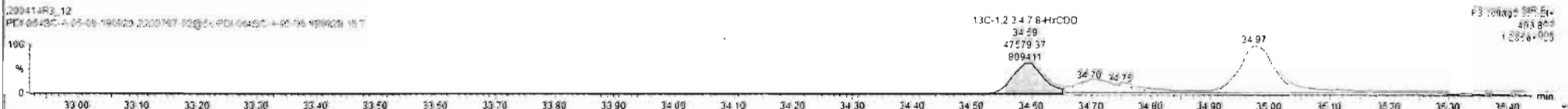
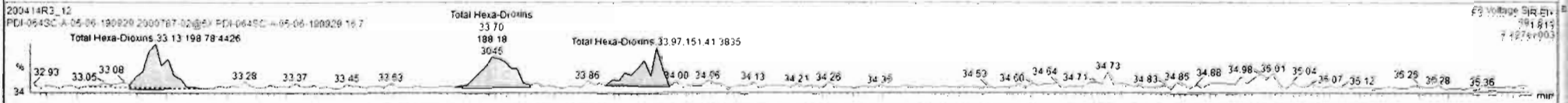
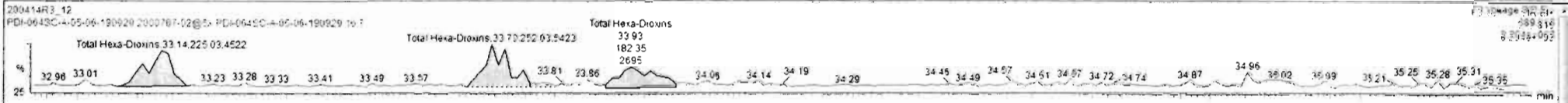
1,2,3,4,7,8-HxCDD



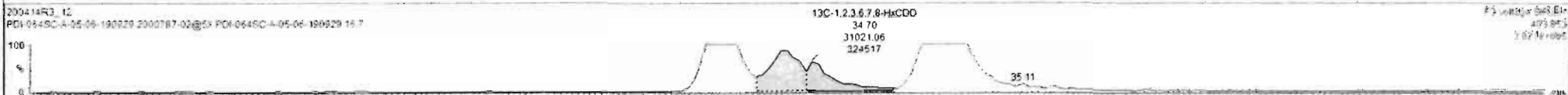
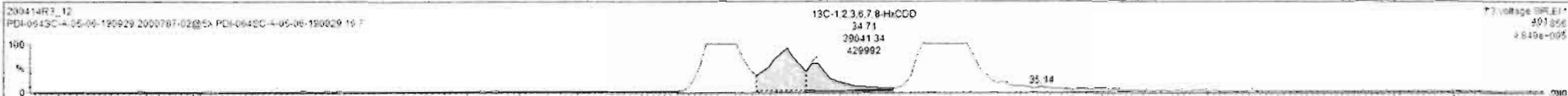
13C-1,2,3,4,7,8-HxCDD



#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	3.24e5	1.53	NO	0.8763	10.009	26.78	1.191	162	81.3	0.977	
27	13C-2,3,4,7,8-PeCDF	3.07e5	1.60	NO	0.8436	10.008	30.63	1.233	160	79.9	1.01	
28	13C-1,2,3,4,7,8-HxCDF	2.06e5	0.50	NO	1.0003	10.009	33.75	0.989	146	73.0	0.866	
29	13C-1,2,3,6,7,8-HxCDF	2.35e5	0.50	NO	1.1178	10.005	33.87	0.992	147	73.7	0.775	
30	13C-2,3,4,6,7,8-HxCDF	1.89e5	0.51	NO	1.0353	10.009	34.43	1.009	129	64.5	0.837	
31	13C-1,2,3,7,8,9-HxCDF	1.94e5	0.51	NO	0.8731	10.005	35.33	1.035	157	78.7	0.992	
32	13C-1,2,3,4,6,7,8-HpCDF	1.45e5	0.41	NO	0.7708	10.005	37.02	1.085	133	66.8	0.631	
33	13C-1,2,3,4,7,8,9-HpCDF	6.86e4	0.41	NO	0.5193	10.008	39.06	1.144	121	60.4	1.23	
34	13C-OCDF	1.79e5	0.64	NO	0.6963	10.008	41.88	1.221	182	45.4	0.604	
35	37Cl-2,3,7,8-TCDD	1.13e5			1.1745	10.005	25.78	1.031	62.9	78.6	0.108	
36	13C-1,2,3,4-TCDD	3.07e5	0.78	NO	1.0008	10.009	25.00	1.000	200	100	0.601	
37	13C-1,2,3,4-TCDF	4.55e5	0.77	NO	1.0008	10.008	23.01	1.000	200	100	0.773	
38	13C-1,2,3,4,6,9-HxCDF	2.83e5	0.51	NO	1.0000	10.005	34.13	1.000	200	100	0.866	
39	Total Tetra-Dioxins				0.9835	10.009			0.458		0.206	0.458
40	Total Penta-Dioxins				0.9212	10.009					0.157	
41	Total Hexa-Dioxins				0.9844	10.009			1.86		0.405	1.86
42	Total Hepta-Dioxins				1.0081	10.005			1.19		0.336	1.19
43	Total Tetra-Furans				0.9154	10.008					0.0661	
44	1st Func. Penta-Furans				0.9594	10.005					0.0288	
45	Total Penta-Furans				0.9594	10.005					0.0864	
46	Total Hexa-Furans				1.0620	10.009					0.105	



Name	Resp	RA	ny	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
6	1.2.3.4.6.7.8-HxCDD		NO	1.0061	10.009					0.336	
7	OCDD	1.83e3	0.86	NO	1.0515	10.009	41.52	1.000	4.32	0.678	4.32
8	2.3.7.8-TCDF		NO	0.9154	10.009					0.202	
9	1.2.3.7.8-PeCDF		NO	0.9594	10.009					0.187	
10	2.3.4.7.8-PeCDF		NO	1.0035	10.009					15.1	
11	1.2.3.4.7.8-HxCDF		NO	1.0381	10.009					0.177	
12	1.2.3.6.7.8-HxCDF		NO	1.0126	10.009					0.168	
13	2.3.4.6.7.8-HxCDF		NO	1.0920	10.009					0.217	
14	1.2.3.7.8.9-HxCDF		NO	1.0260	10.009					0.265	
15	1.2.3.4.6.7.8-HxCDF	4.56e2	0.91	NO	1.0483	10.009	37.03	1.000	0.596	0.214	0.596
16	1.2.3.4.7.8.9-HxCDF		NO	1.2095	10.009					0.326	
17	OCDF		NO	0.9468	10.009					0.409	
18	13C-2.3.7.8-TCDD	3.01e5	0.78	NO	1.1842	10.009	25.75	1.030	165	62.8	0.508
19	13C-1.2.3.7.8-PeCDD	2.16e5	0.60	NO	0.8644	10.009	31.16	1.246	163	51.6	0.552
20	13C-1.2.3.4.7.8-HxCDD	1.09e5	1.28	NO	0.7539	10.009	34.66	1.014	102	51.0	1.09
21	13C-1.2.3.6.7.8-HxCDD	7.01e4	1.26	NO	0.9254	10.009	34.71	1.017	53.5	26.6	0.867
22	13C-1.2.3.7.8.9-HxCDD	2.08e5	1.23	NO	0.8294	10.009	34.97	1.025	177	68.8	0.990
23	13C-1.2.3.4.6.7.8-HpCDD	1.30e5	1.02	NO	0.5962	10.009	38.46	1.125	154	76.8	0.716
24	13C-OCDD	1.61e5	0.89	NO	0.5712	10.009	41.51	1.216	199	49.6	0.738
25	13C-2.3.7.8-TCDF	3.90e5	0.77	NO	1.0893	10.009	24.73	0.989	167	78.6	0.710
26	13C-1.2.3.7.8-PeCDF	3.24e5	1.53	NO	0.8793	10.009	29.78	1.191	162	81.3	0.577



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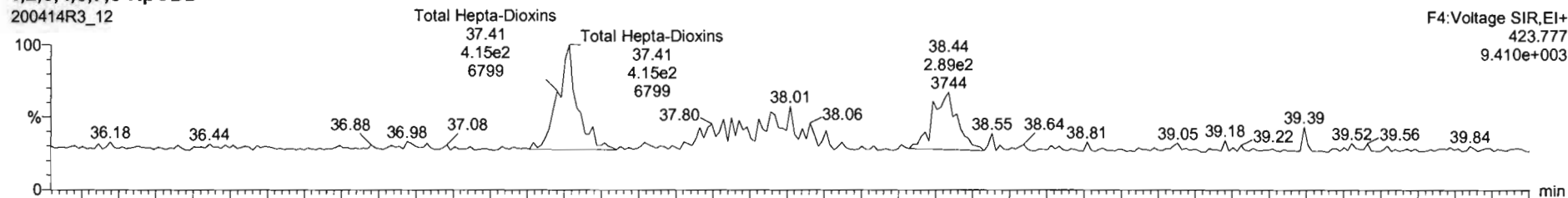
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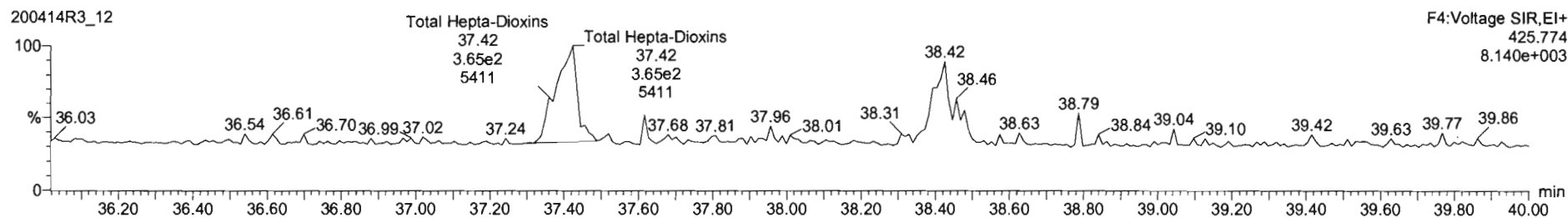
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1,2,3,4,6,7,8-HpCDD

200414R3_12

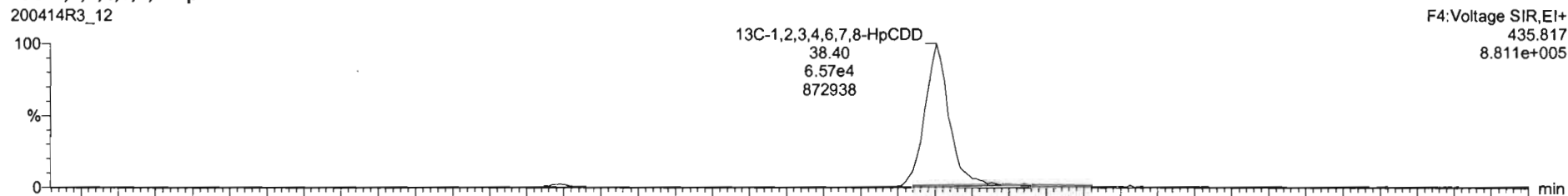


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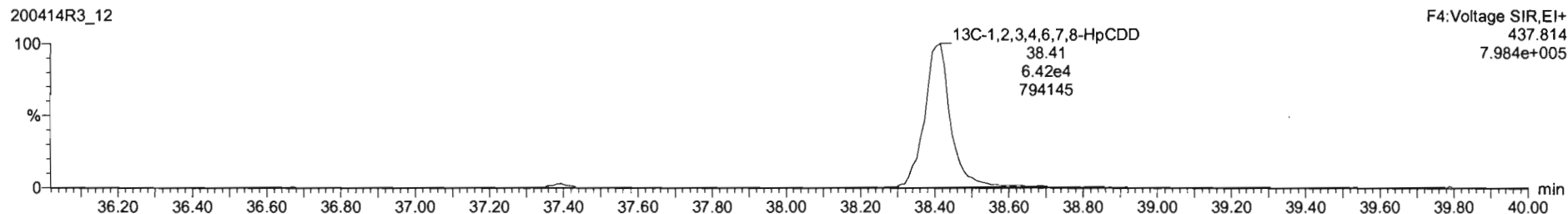


13C-1,2,3,4,6,7,8-HpCDD

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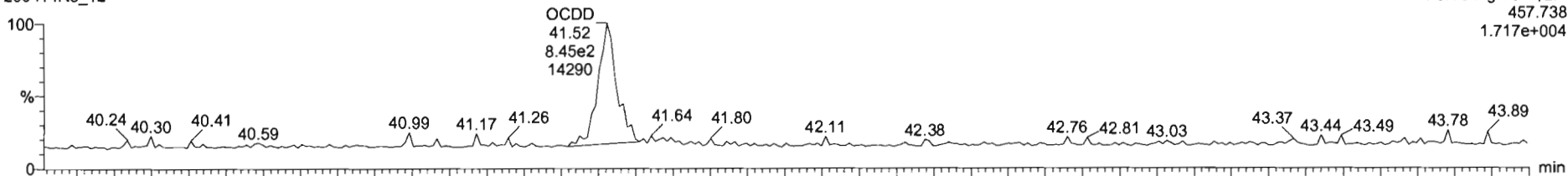
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OCDD

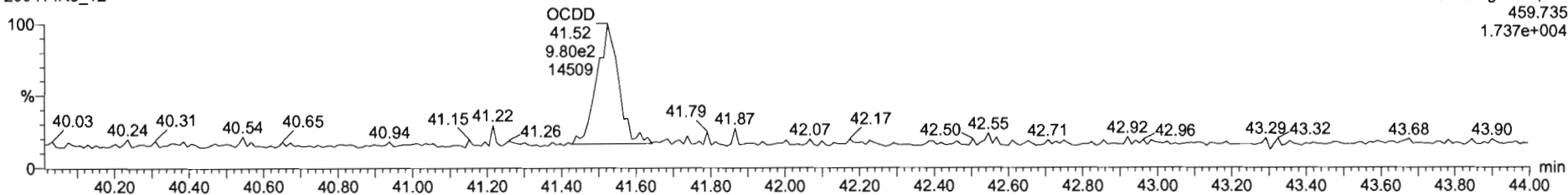
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1.717e+004



200414R3_12

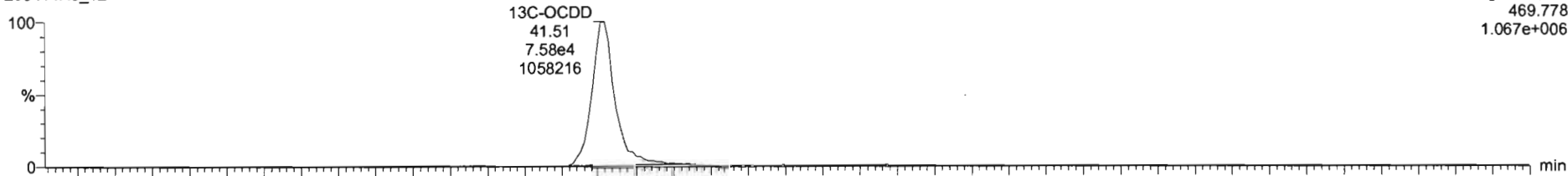
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13C-OCDD

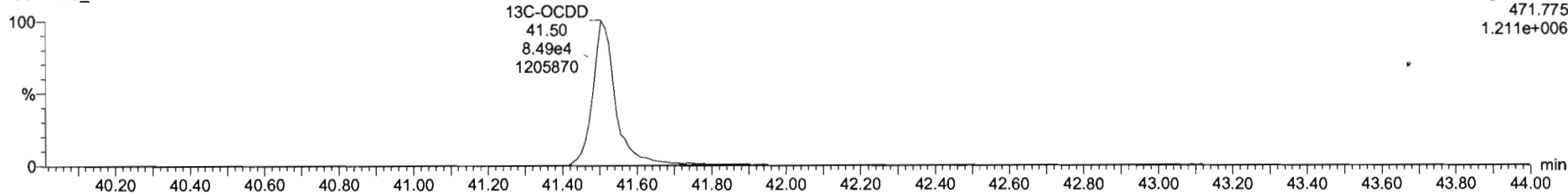
200414R3_12

F5:Voltage SIR,EI+
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200414R3_12

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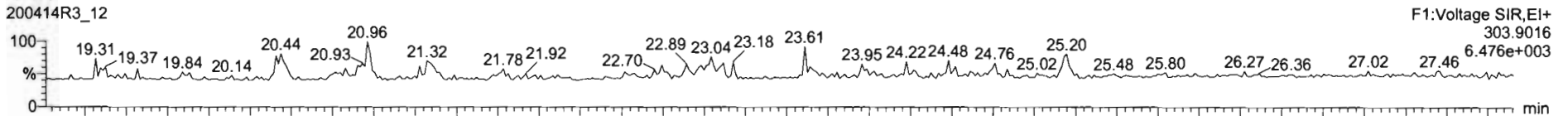
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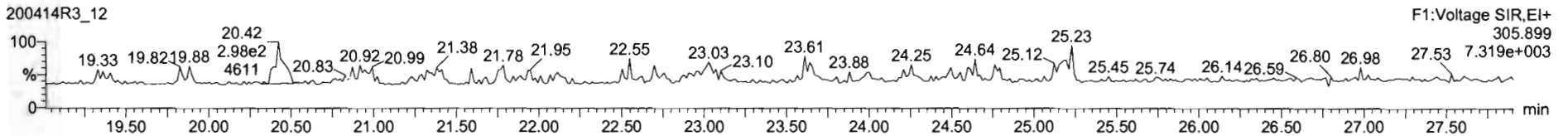
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2,3,7,8-TCDF

200414R3_12

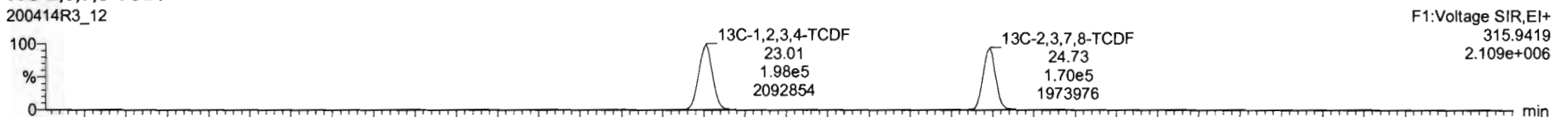


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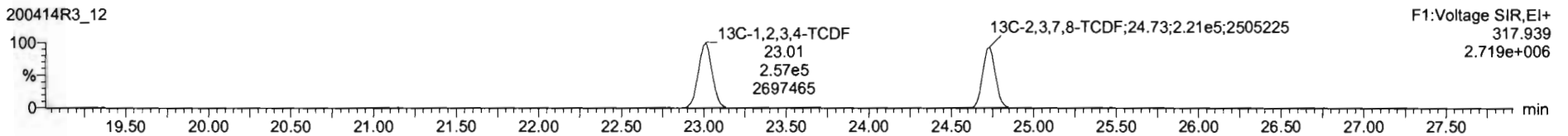


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200414R3_12

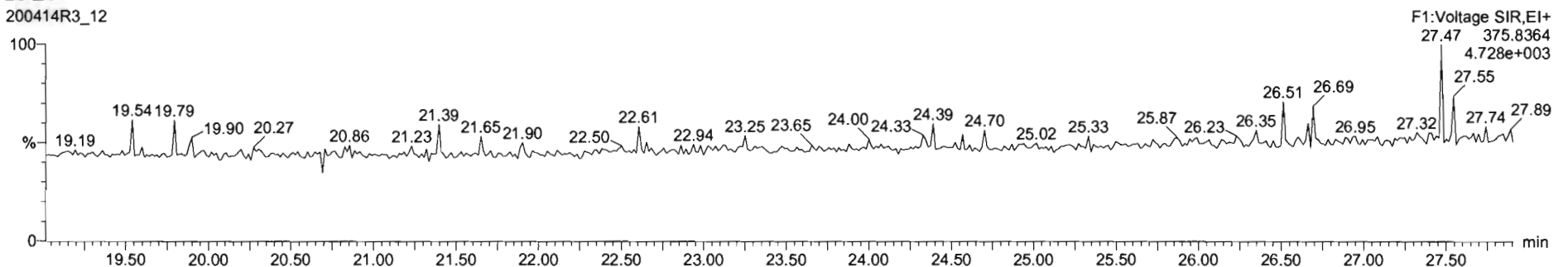


200414R3_12



DPE1

200414R3_12



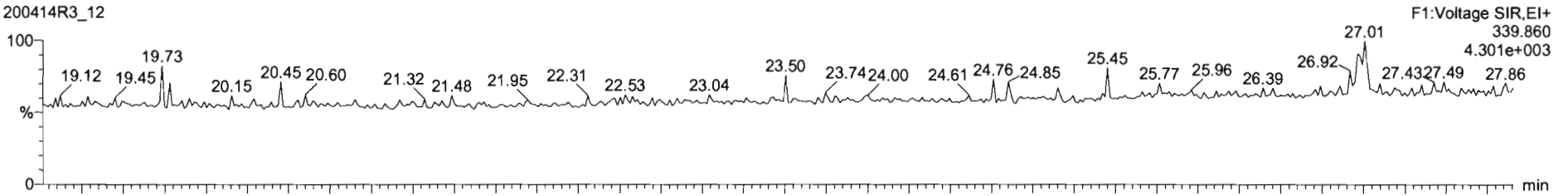
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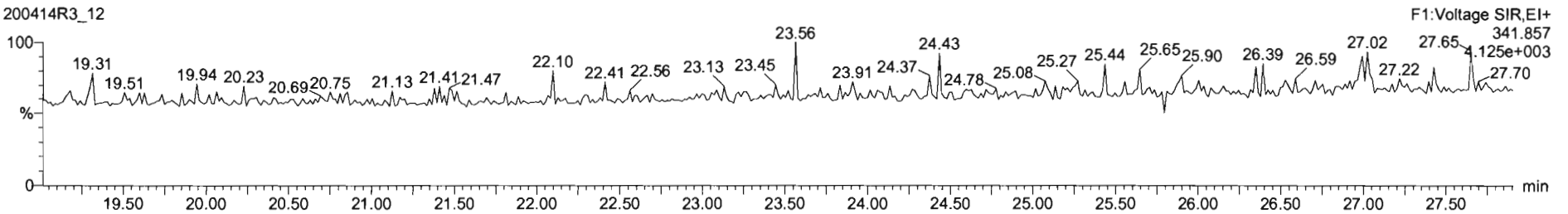
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1st Func. Penta-Furans

200414R3_12

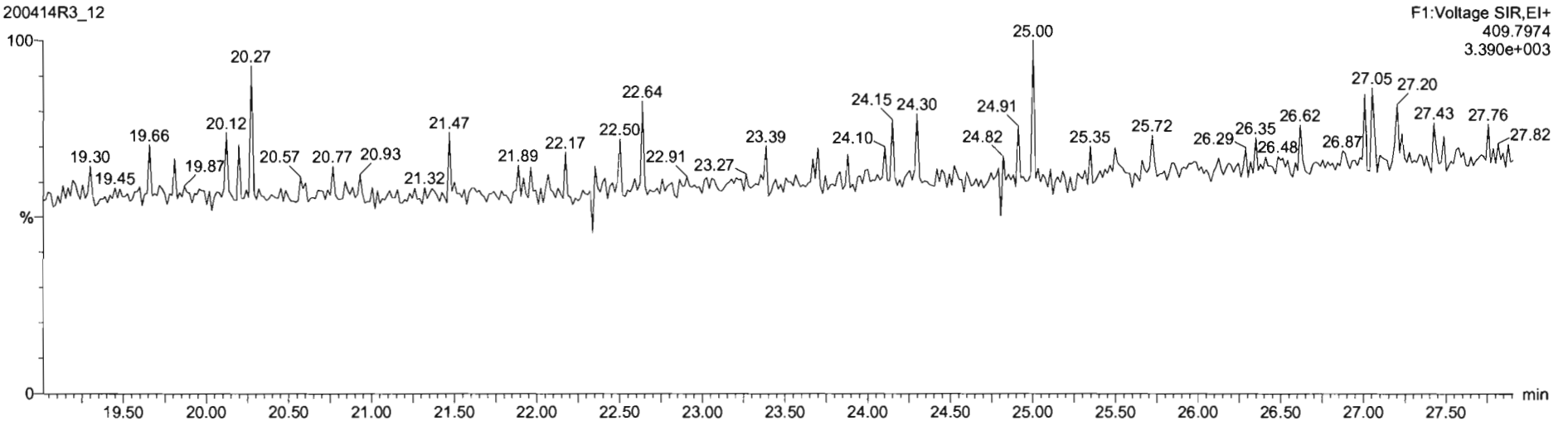


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DPE6

200414R3_12



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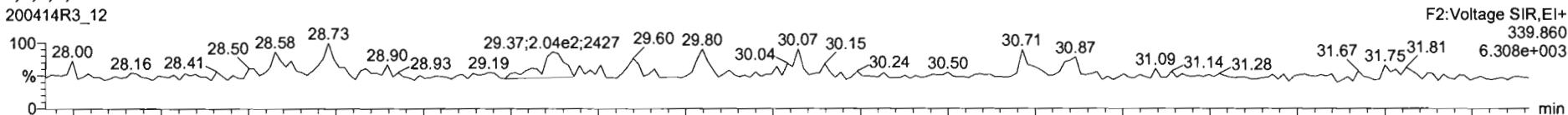
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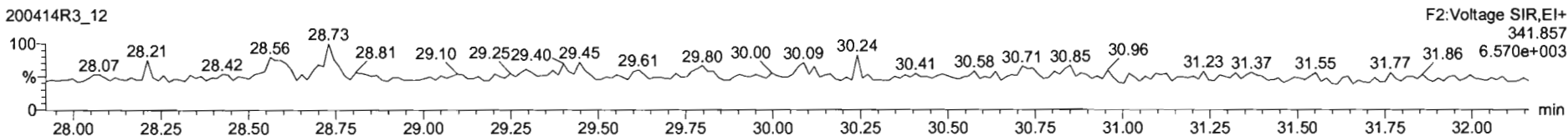
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1,2,3,7,8-PeCDF

200414R3_12

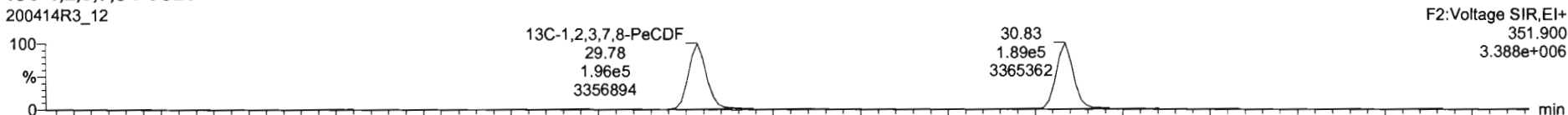


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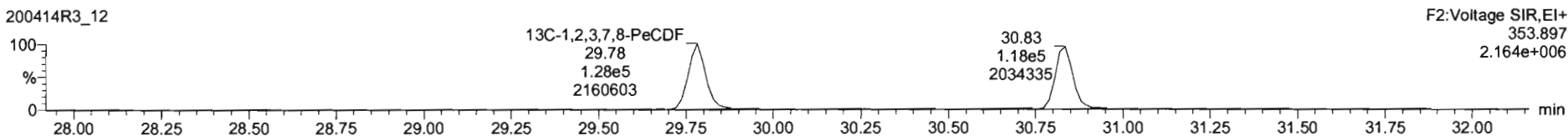


13C-1,2,3,7,8-PeCDF

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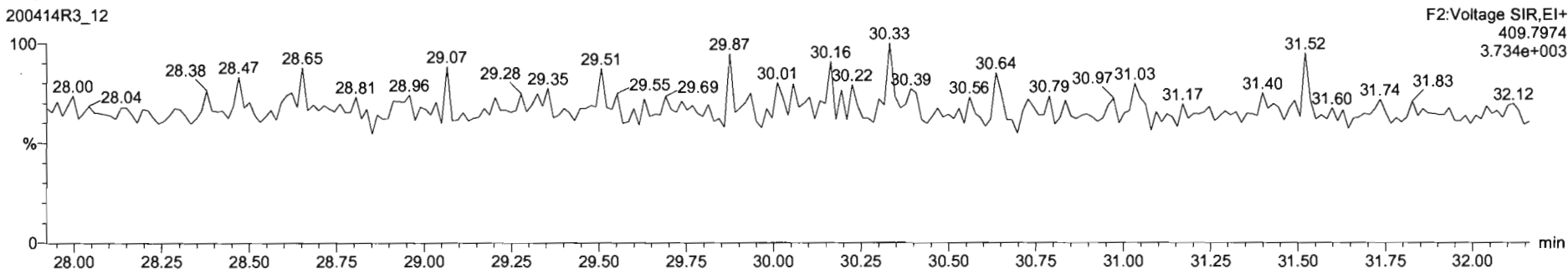


200414R3_12



DPE2

200414R3_12



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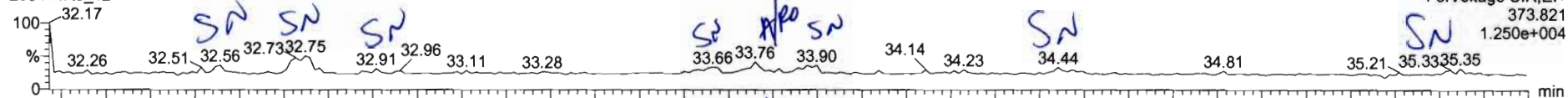
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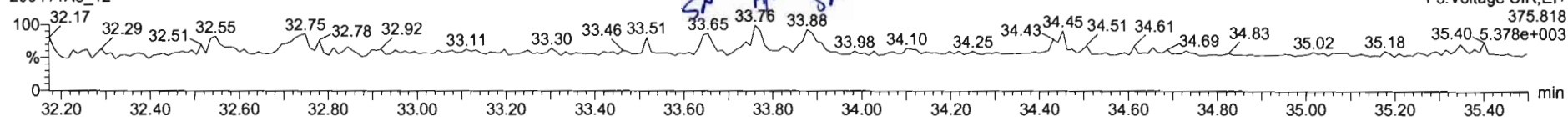
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1,2,3,4,7,8-HxCDF

200414R3_12

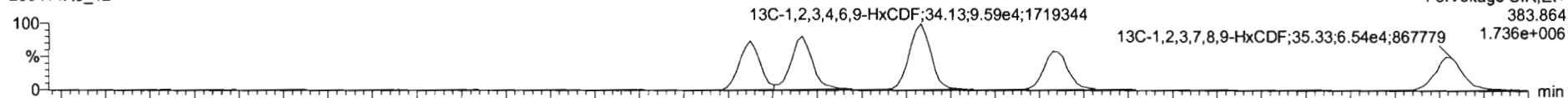


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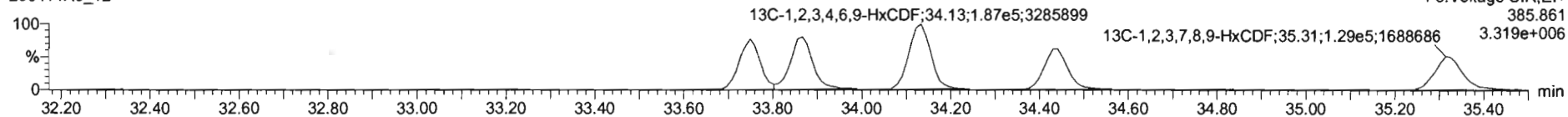


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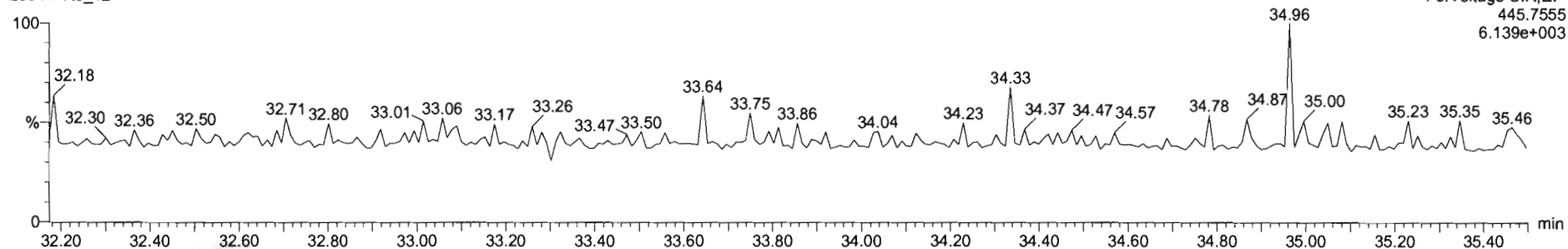


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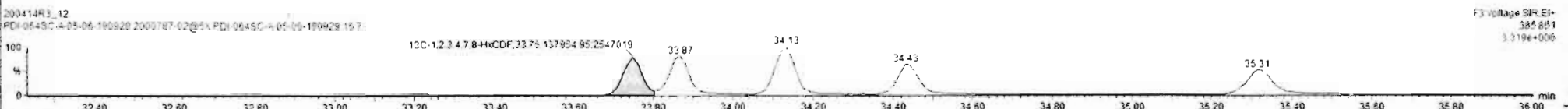
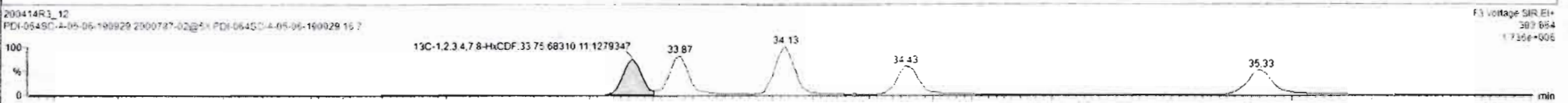
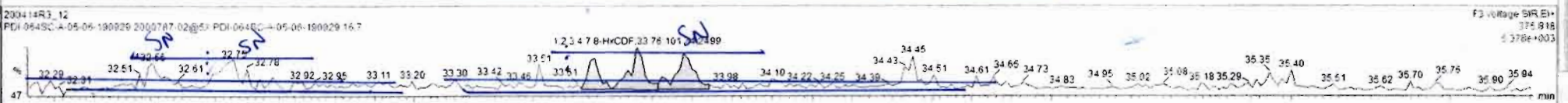
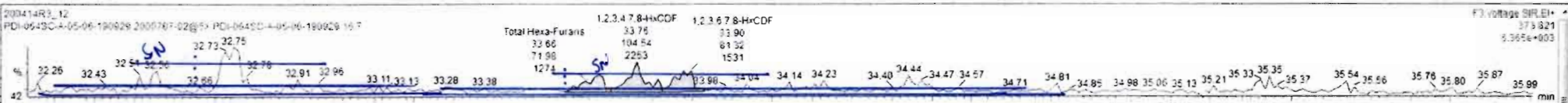


DPE3

200414R3_12



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
26 13C-1,2,3,7,8-PeCDF	3.24e5	1.53	NO	0.8783	10.009	26.78	1.191	162	81.3	0.977	
27 13C-2,3,4,7,8-PeCDF	3.07e5	1.80	NO	0.8438	10.006	30.83	1.233	160	79.9	1.01	
28 13C-1,2,3,4,7,8-HxCDF	2.06e5	0.50	NO	1.0003	10.009	33.75	0.989	146	73.0	0.866	
29 13C-1,2,3,6,7,8-HxCDF	2.33e5	0.50	NO	1.1178	10.009	33.97	0.992	147	73.7	0.775	
30 13C-2,3,4,6,7,8-HxCDF	1.89e5	0.51	NO	1.0353	10.009	34.43	1.009	129	64.4	0.837	
31 13C-1,2,3,7,8-HxCDF	1.94e5	0.51	NO	0.8731	10.009	35.33	1.035	157	78.7	0.592	
32 13C-1,2,3,4,6,7,8-HpCDF	1.45e5	0.41	NO	0.7708	10.009	37.02	1.065	133	58.8	0.831	
33 13C-1,2,3,4,7,8-HpCDF	8.86e4	0.41	NO	0.5193	10.009	39.06	1.144	121	80.4	1.23	
34 13C-OCDF	1.79e5	0.84	NO	0.8963	10.006	41.88	1.221	182	45.4	0.604	
35 27Cl-2,3,7,8-TCDD	1.13e5			1.1745	10.006	25.78	1.031	62.9	78.6	0.108	
36 13C-1,2,3,4-TCDD	3.07e5	0.78	NO	1.0000	10.009	26.00	1.000	200	100	0.601	
37 13C-1,2,3,4-TCDF	4.55e5	0.77	NO	1.0000	10.006	23.01	1.000	200	100	0.773	
38 13C-1,2,3,4,6,9-HxCDF	2.83e5	0.51	NO	1.0000	10.005	34.13	1.000	200	100	0.866	
39 Total Tetra-Dioxins				0.9835	10.009				0.458		0.458
40 Total Penta-Dioxins				0.9212	10.009						0.157
41 Total Hexa-Dioxins				0.9244	10.009			1.89			0.405
42 Total Hepta-Dioxins				1.0061	10.005			1.15			0.336
43 Total Tetra-Furans				0.9154	10.003						0.0961
44 1st Func. Penta-Furans				0.9594	10.009						0.0268
45 Total Penta-Furans				0.9594	10.005						0.0964
46 Total Hexa-Furans				1.0920	10.009			0.117			0.418



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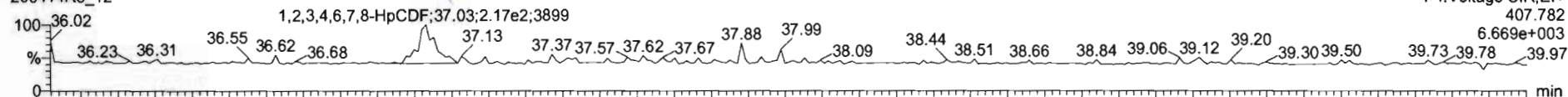
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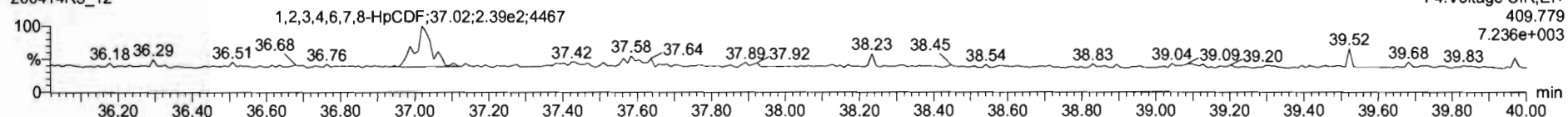
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1,2,3,4,6,7,8-HpCDF

200414R3_12

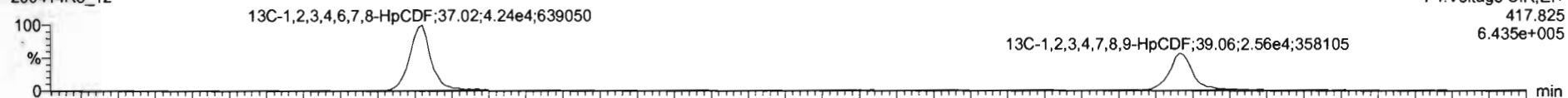


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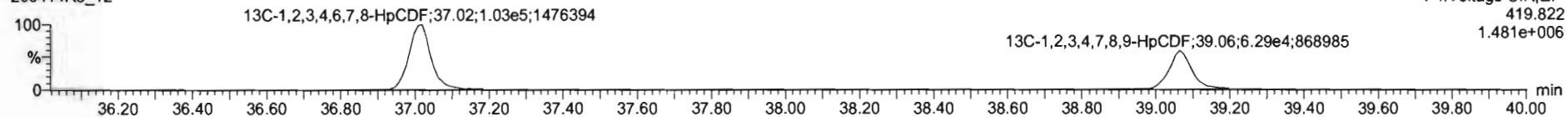


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200414R3_12

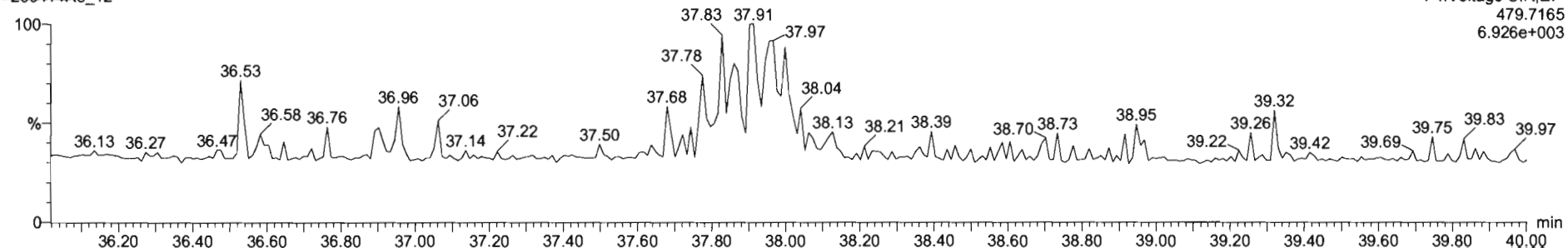


200414R3_12



DPE4

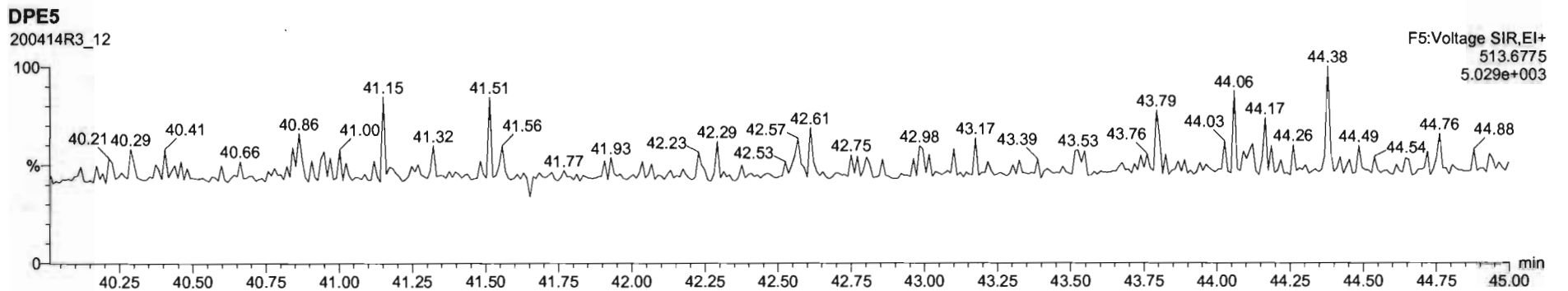
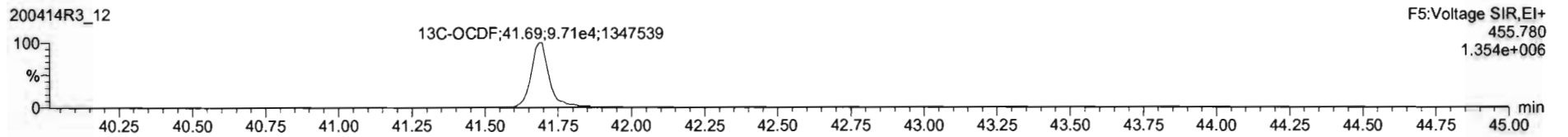
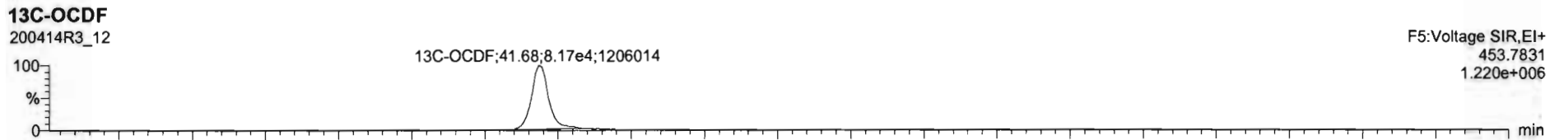
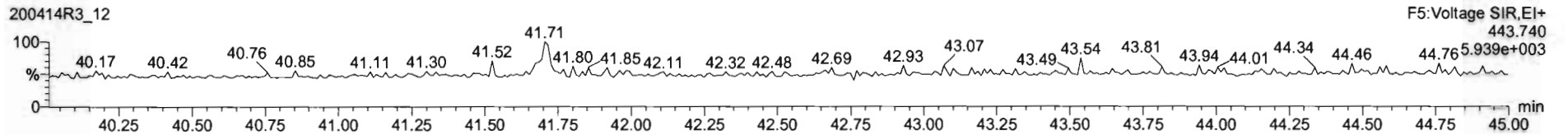
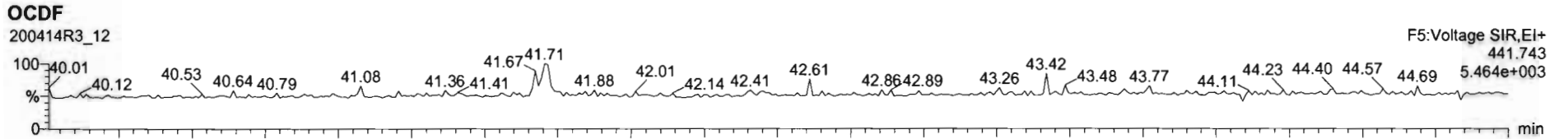
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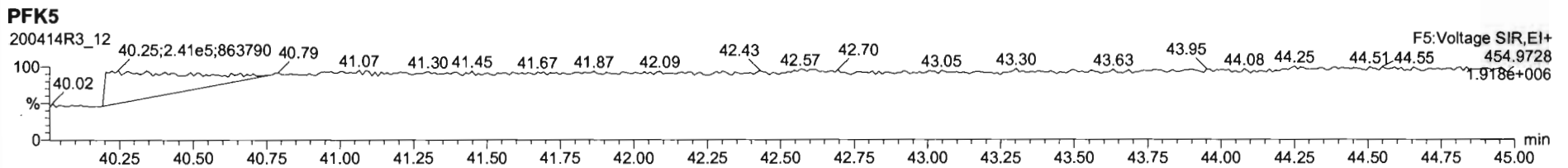
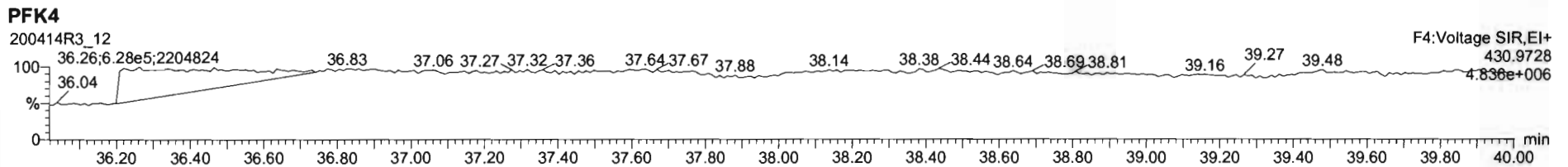
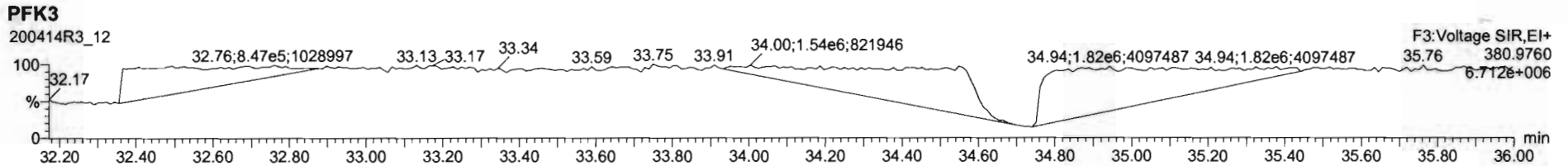
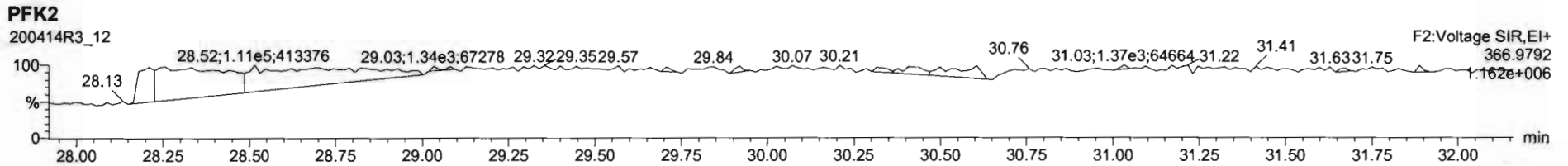
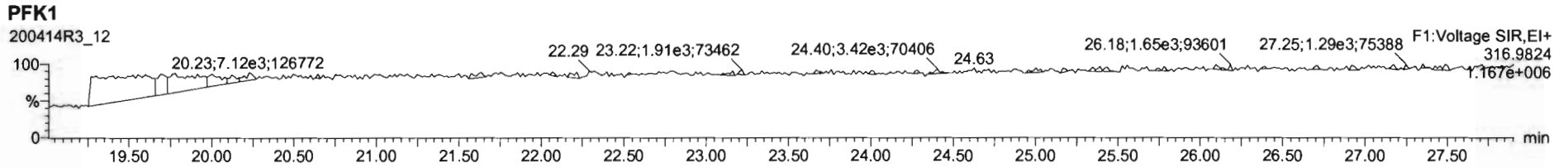


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Dataset: U:\VG12.PRO\Results\200410R2\200410R2-9B.qld

Last Altered: Tuesday, April 14, 2020 12:46:53 Pacific Daylight Time
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GRB 04/14/2020

CT 04/14/2020

Method: Untitled 01 Apr 2020 15:13:32
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

#	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	1.88e3	0.22	YES	0.983	10.048	25.796	25.76	1.001	1.000	0.15049		0.0387	0.0616
2	2 1,2,3,7,8-PeCDD	7.34e2	0.65	NO	0.921	10.048	31.162	31.19	1.001	1.001	0.082161		0.0582	0.0822
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.048	34.590		1.000				0.0427	
4	4 1,2,3,6,7,8-HxCDD			NO	0.984	10.048	34.686		1.000				0.0425	
5	5 1,2,3,7,8,9-HxCDD			NO	0.967	10.048	34.963		1.000				0.0489	
6	6 1,2,3,4,6,7,8-HpCDD	5.40e3	1.02	NO	1.01	10.048	38.405	38.40	1.000	1.000	0.72239		0.176	0.722
7	7 OCDD	3.14e4	0.85	NO	1.05	10.048	41.481	41.49	1.000	1.000	4.8573		0.0691	4.86
8	8 2,3,7,8-TCDF	2.22e3	0.66	NO	0.915	10.048	24.772	24.78	1.001	1.001	0.15030		0.0533	0.150
9	9 1,2,3,7,8-PeCDF	8.68e2	1.54	NO	0.959	10.048	29.803	29.78	1.001	1.000	0.064658		0.0521	0.0647
10	10 2,3,4,7,8-PeCDF	1.12e3	1.65	NO	1.00	10.048	30.850	30.83	1.001	1.001	0.082711		0.0473	0.0827
11	11 1,2,3,4,7,8-HxCDF	6.12e2	1.27	NO	1.04	10.048	33.728	33.75	1.000	1.001	0.059440		0.0200	0.0594
12	12 1,2,3,6,7,8-HxCDF	7.02e2	1.33	NO	1.01	10.048	33.855	33.87	1.000	1.001	0.064677		0.0197	0.0647
13	13 2,3,4,6,7,8-HxCDF	5.00e2	0.90	YES	1.09	10.048	34.454	34.42	1.001	1.000	0.047289		0.0213	0.0405
14	14 1,2,3,7,8,9-HxCDF	7.19e2	1.07	NO	1.03	10.048	35.315	35.33	1.001	1.001	0.082077		0.0312	0.0821
15	15 1,2,3,4,6,7,8-HpCDF	1.15e3	1.01	NO	1.05	10.048	37.024	37.01	1.001	1.001	0.15012		0.0386	0.150
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.048	39.053		1.000				0.0464	
17	17 OCDF	1.03e3	1.09	YES	0.947	10.048	41.662	41.68	1.000	1.001	0.15811		0.0453	0.143
18	18 13C-2,3,7,8-TCDD	2.53e6	0.78	NO	1.18	10.048	25.750	25.76	1.029	1.029	180.02	90.4	0.107	
19	19 13C-1,2,3,7,8-PeCDD	1.93e6	0.64	NO	0.864	10.048	30.937	31.14	1.236	1.244	187.93	94.4	0.188	
20	20 13C-1,2,3,4,7,8-HxCDD	1.54e6	1.27	NO	0.754	10.048	34.585	34.58	1.014	1.014	183.34	92.1	0.221	
21	21 13C-1,2,3,6,7,8-HxCDD	1.86e6	1.26	NO	0.925	10.048	34.694	34.69	1.017	1.017	180.19	90.5	0.180	
22	22 13C-1,2,3,7,8,9-HxCDD	1.71e6	1.23	NO	0.829	10.048	34.957	34.95	1.025	1.025	184.67	92.8	0.201	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.48e6	1.07	NO	0.598	10.048	38.429	38.39	1.127	1.126	222.07	112	0.309	
24	24 13C-OCDD	2.45e6	0.90	NO	0.571	10.048	41.592	41.48	1.219	1.216	385.29	96.8	0.274	
25	25 13C-2,3,7,8-TCDF	3.22e6	0.78	NO	1.09	10.048	24.772	24.75	0.990	0.989	170.85	85.8	0.160	
26	26 13C-1,2,3,7,8-PeCDF	2.78e6	1.58	NO	0.876	10.048	29.608	29.78	1.183	1.190	183.78	92.3	0.278	
27	27 13C-2,3,4,7,8-PeCDF	2.68e6	1.58	NO	0.844	10.048	30.619	30.82	1.223	1.231	184.00	92.4	0.289	
28	28 13C-1,2,3,4,7,8-HxCDF	1.97e6	0.51	NO	1.00	10.048	33.729	33.73	0.989	0.989	177.28	89.1	0.257	
29	29 13C-1,2,3,6,7,8-HxCDF	2.13e6	0.51	NO	1.12	10.048	33.838	33.85	0.992	0.992	171.41	86.1	0.230	
30	30 13C-2,3,4,6,7,8-HxCDF	1.93e6	0.51	NO	1.04	10.048	34.421	34.42	1.009	1.009	167.12	84.0	0.248	
31	31 13C-1,2,3,7,8,9-HxCDF	1.70e6	0.52	NO	0.873	10.048	35.298	35.28	1.035	1.034	174.73	87.8	0.294	

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ID: 200787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.46e6	0.43	NO	0.771	10.048	37.021	36.99	1.085	1.084	169.79	85.3	0.311	
33	13C-1,2,3,4,7,8,9-HpCDF	1.06e6	0.43	NO	0.519	10.048	39.115	39.05	1.147	1.145	183.15	92.0	0.461	
34	13C-OCDF	2.73e6	0.87	NO	0.696	10.048	41.772	41.66	1.225	1.221	352.12	88.4	0.254	
35	37Cl-2,3,7,8-TCDD	9.89e5			1.17	10.048	25.760	25.80	1.029	1.030	70.917	89.1	0.0277	
36	13C-1,2,3,4-TCDD	2.36e6	0.79	NO	1.00	10.048	25.050	25.03	1.000	1.000	199.05	100	0.126	
37	13C-1,2,3,4-TCDF	3.44e6	0.78	NO	1.00	10.048	23.190	23.04	1.000	1.000	199.05	100	0.174	
38	13C-1,2,3,4,6,9-HxCDF	2.22e6	0.51	NO	1.00	10.048	34.040	34.11	1.000	1.000	199.05	100	0.257	
39	Total Tetra-Dioxins				0.983	10.048	24.620		0.000		0.98815		0.0367	1.05
40	Total Penta-Dioxins				0.921	10.048	29.960		0.000		0.54222		0.0582	0.920
41	Total Hexa-Dioxins				0.984	10.048	33.635		0.000		1.2516		0.0463	1.25
42	Total Hepta-Dioxins				1.01	10.048	37.640		0.000		1.6748		0.176	1.67
43	Total Tetra-Furans				0.915	10.048	23.610		0.000		2.3256		0.0533	3.74
44	1st Func. Penta-Furans				0.959	10.048	27.090		0.000		0.10882		0.0115	0.109
45	Total Penta-Furans				0.959	10.048	29.275		0.000		0.89026		0.0508	0.910
46	Total Hexa-Furans				1.09	10.048	33.555		0.000		0.35094		0.0217	0.422
47	Total Hepta-Furans				1.05	10.048	37.835		0.000		0.15012		0.0449	0.150

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.38	1.903e4	2.044e4	1.526e3	1.844e3	0.83	NO	3.370e3	0.26937	0.26937	0.0367
2	Total Tetra-Dioxins	21.80	1.772e4	2.009e4	1.596e3	1.895e3	0.84	NO	3.492e3	0.27909	0.27909	0.0367
3	Total Tetra-Dioxins	22.28	3.909e3	2.995e3	2.496e2	3.312e2	0.75	NO	5.808e2	0.046422	0.046422	0.0367
4	Total Tetra-Dioxins	23.26	1.516e4	2.375e4	1.480e3	1.965e3	0.75	NO	3.445e3	0.27534	0.27534	0.0367
5	Total Tetra-Dioxins	25.00	3.836e3	4.855e3	3.474e2	4.437e2	0.78	NO	7.911e2	0.063234	0.063234	0.0367
6	2,3,7,8-TCDD	25.76	5.514e3	2.017e4	3.353e2	1.548e3	0.22	YES	1.883e3	0.00000	0.061597	0.0367
7	Total Tetra-Dioxins	26.14	4.731e3	6.265e3	2.872e2	3.972e2	0.72	NO	6.844e2	0.054701	0.054701	0.0367

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.84	1.036e4	1.114e4	7.064e2	1.008e3	0.70	NO	0.000e0	0.00000	0.19194	0.0582
2	Total Penta-Dioxins	29.32	9.227e3	1.389e4	4.922e2	9.032e2	0.54	NO	1.395e3	0.15625	0.15625	0.0582
3	Total Penta-Dioxins	29.86	6.440e3	1.095e4	3.753e2	5.683e2	0.66	NO	9.437e2	0.10567	0.10567	0.0582
4	Total Penta-Dioxins	30.01	5.287e3	5.444e3	2.264e2	2.664e2	0.85	YES	0.000e0	0.00000	0.048629	0.0582
5	Total Penta-Dioxins	30.10	6.449e3	6.476e3	2.820e2	4.142e2	0.68	NO	6.963e2	0.077966	0.077966	0.0582
6	Total Penta-Dioxins	30.33	4.196e3	6.987e3	2.044e2	3.784e2	0.54	NO	5.827e2	0.065251	0.065251	0.0582
7	Total Penta-Dioxins	30.38	7.826e3	8.448e3	2.793e2	3.228e2	0.87	YES	0.000e0	0.00000	0.058925	0.0582
8	Total Penta-Dioxins	30.71	4.858e3	5.573e3	2.382e2	3.113e2	0.77	YES	0.000e0	0.00000	0.056822	0.0582
9	1,2,3,7,8-PeCDD	31.19	4.348e3	8.431e3	2.884e2	4.453e2	0.65	NO	7.337e2	0.082161	0.082161	0.0582
10	Total Penta-Dioxins	31.23	5.374e3	3.070e3	1.461e2	1.174e2	1.24	YES	0.000e0	0.00000	0.021423	0.0582
11	Total Penta-Dioxins	31.55	2.995e3	6.236e3	1.856e2	3.048e2	0.61	NO	4.904e2	0.054916	0.054916	0.0582

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.11	5.272e4	4.610e4	3.027e3	2.656e3	1.14	NO	5.683e3	0.67581	0.67581	0.0463
2	Total Hexa-Dioxins	33.70	1.419e4	1.130e4	9.440e2	8.111e2	1.16	NO	1.755e3	0.20871	0.20871	0.0463
3	Total Hexa-Dioxins	33.93	2.143e4	1.830e4	1.692e3	1.395e3	1.21	NO	3.087e3	0.36710	0.36710	0.0463

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Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.38	4.148e4	4.060e4	3.446e3	3.674e3	0.94	NO	7.120e3	0.95240	0.95240	0.176
2	1,2,3,4,6,7,8-HpCDD	38.40	3.331e4	3.013e4	2.734e3	2.667e3	1.02	NO	5.401e3	0.72239	0.72239	0.176

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.42	1.413e4	1.871e4	9.971e2	1.430e3	0.70	NO	2.427e3	0.16402	0.16402	0.0533
2	Total Tetra-Furans	19.93	6.323e3	7.078e3	4.738e2	6.685e2	0.71	NO	1.142e3	0.077205	0.077205	0.0533
3	Total Tetra-Furans	20.47	7.175e4	9.316e4	6.039e3	7.747e3	0.78	NO	1.379e4	0.93173	0.93173	0.0533
4	Total Tetra-Furans	20.89	8.516e3	1.072e4	6.340e2	8.170e2	0.78	NO	0.000e0	0.00000	0.098066	0.0533
5	Total Tetra-Furans	20.99	2.140e4	2.522e4	2.189e3	2.965e3	0.74	NO	0.000e0	0.00000	0.34836	0.0533
6	Total Tetra-Furans	21.41	1.486e4	1.877e4	1.559e3	2.082e3	0.75	NO	0.000e0	0.00000	0.24607	0.0533
7	Total Tetra-Furans	21.80	8.127e3	1.064e4	6.378e2	9.295e2	0.69	NO	1.567e3	0.10593	0.10593	0.0533
8	Total Tetra-Furans	21.96	5.419e3	7.532e3	5.142e2	7.487e2	0.69	NO	0.000e0	0.00000	0.085359	0.0533
9	Total Tetra-Furans	22.17	6.240e3	9.644e3	5.999e2	9.146e2	0.66	NO	1.515e3	0.10236	0.10236	0.0533
10	Total Tetra-Furans	22.62	9.002e3	1.041e4	7.098e2	9.606e2	0.74	NO	0.000e0	0.00000	0.11289	0.0533
11	Total Tetra-Furans	22.77	8.530e3	1.320e4	7.559e2	1.136e3	0.67	NO	1.892e3	0.12786	0.12786	0.0533
12	Total Tetra-Furans	22.95	8.159e3	1.350e4	6.442e2	8.746e2	0.74	NO	0.000e0	0.00000	0.10266	0.0533
13	Total Tetra-Furans	23.07	1.139e4	1.772e4	1.896e3	2.226e3	0.85	NO	0.000e0	0.00000	0.27857	0.0533
14	Total Tetra-Furans	23.68	1.217e4	1.752e4	1.232e3	1.743e3	0.71	NO	2.975e3	0.20104	0.20104	0.0533
15	Total Tetra-Furans	24.01	8.998e3	9.001e3	7.493e2	9.715e2	0.77	NO	1.721e3	0.11630	0.11630	0.0533
16	Total Tetra-Furans	24.28	5.801e3	9.006e3	5.996e2	7.508e2	0.80	NO	1.350e3	0.091269	0.091269	0.0533
17	Total Tetra-Furans	24.52	6.064e3	1.008e4	5.164e2	7.105e2	0.73	NO	0.000e0	0.00000	0.082916	0.0533
18	Total Tetra-Furans	24.64	5.995e3	9.587e3	4.221e2	4.972e2	0.85	NO	0.000e0	0.00000	0.062134	0.0533
19	2,3,7,8-TCDF	24.78	1.229e4	1.721e4	8.881e2	1.336e3	0.66	NO	2.224e3	0.15030	0.15030	0.0533
20	Total Tetra-Furans	25.18	1.530e4	2.018e4	1.427e3	1.940e3	0.74	NO	3.367e3	0.22754	0.22754	0.0533
21	Total Tetra-Furans	27.02	3.125e3	3.738e3	1.908e2	2.542e2	0.75	NO	4.451e2	0.030080	0.030080	0.0533

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	27.01	9.883e3	6.973e3	8.676e2	5.664e2	1.53	NO	1.434e3	0.10882	0.10882	0.0115

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Name: 200410R2_9, Date: 7-14-Apr-2020, Time: 09:06:49, ID: 2000787-03, PD1-064SC-A-06-07-190929 18.4, Description: PD1-064SC-A-06-07-190929, Time: 03:09:40, ID: 2000787-03

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.58	1.301e4	1.190e4	1.049e3	6.841e2	1.53	NO	1.733e3	0.13149	0.13149	0.0508
2	Total Penta-Furans	28.73	1.748e4	1.251e4	1.381e3	9.446e2	1.46	NO	2.326e3	0.17652	0.17652	0.0508
3	Total Penta-Furans	28.81	8.668e3	3.474e3	2.978e2	2.057e2	1.45	NO	5.035e2	0.038206	0.038206	0.0508
4	Total Penta-Furans	29.28	5.514e3	5.285e3	3.743e2	2.363e2	1.58	NO	6.106e2	0.046339	0.046339	0.0508
5	Total Penta-Furans	29.39	8.070e3	5.572e3	8.187e2	5.127e2	1.60	NO	1.331e3	0.10104	0.10104	0.0508
6	Total Penta-Furans	29.60	5.384e3	2.672e3	3.032e2	2.063e2	1.47	NO	5.095e2	0.038664	0.038664	0.0508
7	1,2,3,7,8-PeCDF	29.78	8.745e3	5.326e3	5.261e2	3.416e2	1.54	NO	8.677e2	0.064658	0.064658	0.0521
8	Total Penta-Furans	30.09	1.145e4	6.464e3	9.511e2	5.796e2	1.64	NO	1.531e3	0.11616	0.11616	0.0508
9	Total Penta-Furans	30.71	1.496e4	9.927e3	7.697e2	4.753e2	1.62	NO	1.245e3	0.094481	0.094481	0.0508
10	2,3,4,7,8-PeCDF	30.83	1.526e4	7.393e3	6.974e2	4.215e2	1.65	NO	1.119e3	0.082711	0.082711	0.0473
11	Total Penta-Furans	30.87	6.388e3	5.011e3	1.594e2	1.925e2	0.83	YES	0.000e0	0.00000	0.019904	0.0508

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.55	5.595e3	2.930e3	2.629e2	1.468e2	1.79	YES	0.000e0	0.00000	0.031013	0.0217
2	Total Hexa-Furans	32.72	1.142e4	1.034e4	5.396e2	4.539e2	1.19	NO	9.935e2	0.093682	0.093682	0.0217
3	Total Hexa-Furans	33.64	4.881e3	4.006e3	3.141e2	2.274e2	1.38	NO	5.415e2	0.051063	0.051063	0.0217
4	1,2,3,4,7,8-HxCDF	33.75	6.656e3	4.859e3	3.429e2	2.691e2	1.27	NO	6.120e2	0.059440	0.059440	0.0200
5	1,2,3,6,7,8-HxCDF	33.87	7.186e3	6.383e3	4.002e2	3.017e2	1.33	NO	7.019e2	0.064677	0.064677	0.0197
6	2,3,4,6,7,8-HxCDF	34.42	3.916e3	4.690e3	2.368e2	2.630e2	0.90	YES	4.998e2	0.00000	0.040474	0.0213
7	1,2,3,7,8,9-HxCDF	35.33	6.198e3	6.442e3	3.721e2	3.470e2	1.07	NO	7.191e2	0.082077	0.082077	0.0312

Hepta-Furans

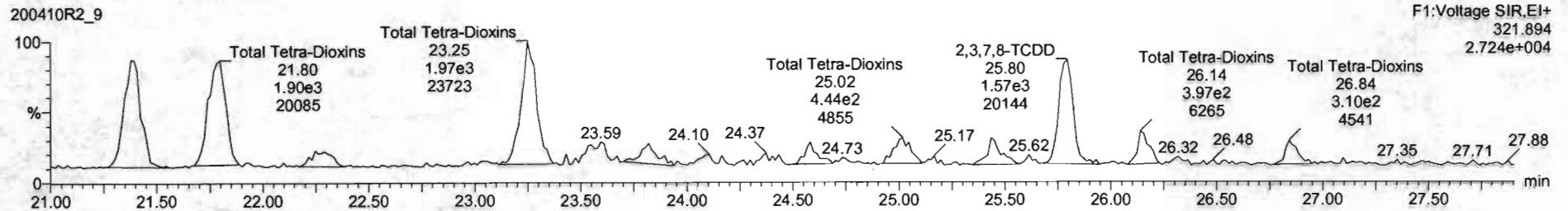
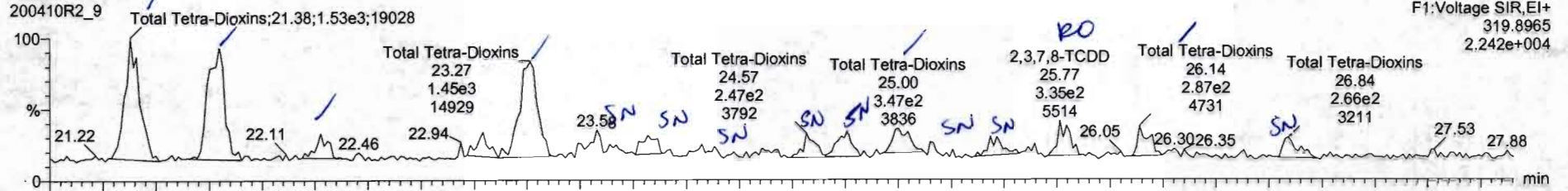
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.01	7.618e3	7.035e3	5.786e2	5.734e2	1.01	NO	1.152e3	0.15012	0.15012	0.0386

Dataset: Untitled

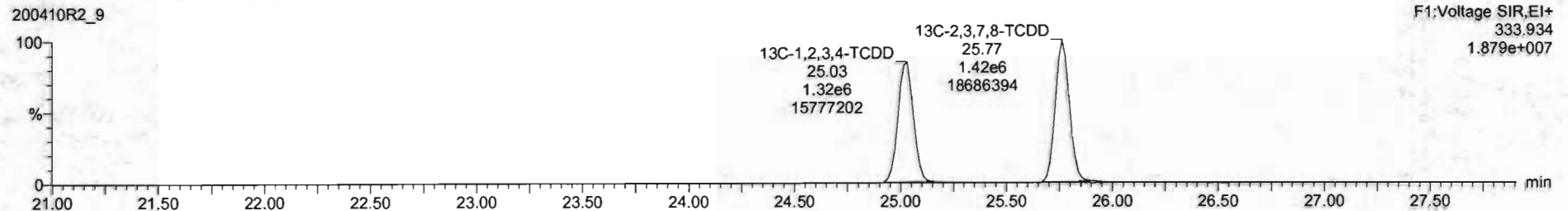
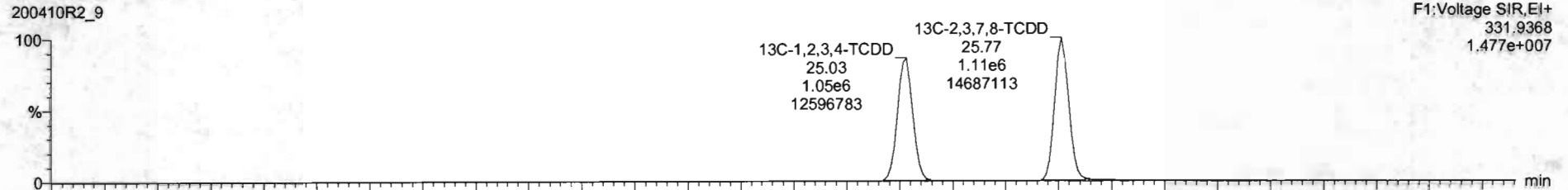
Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

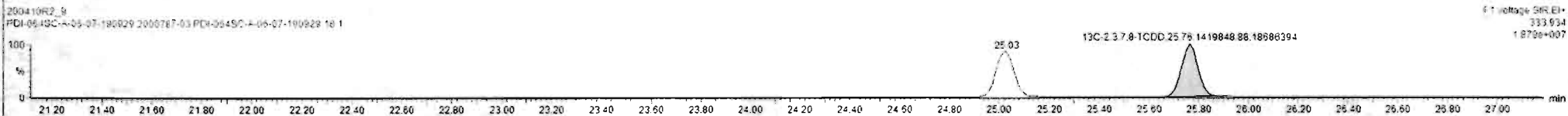
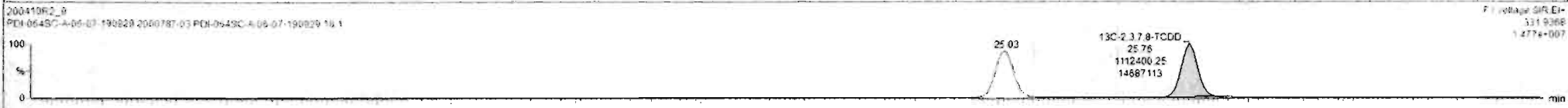
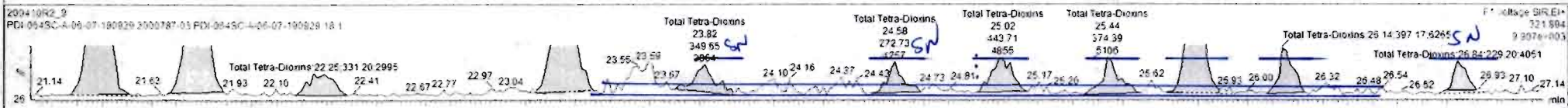
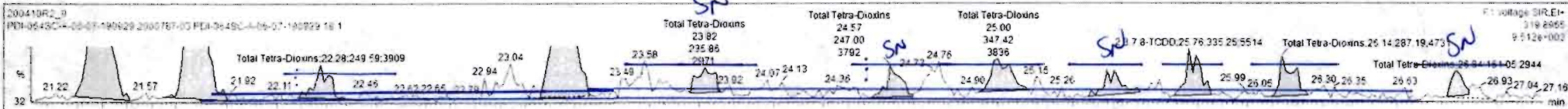
2,3,7,8-TCDD



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



Name	Resp	RA	nty	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.048			1.07		0.0367	1.21
40 Total Penta-Dioxins				0.9212	10.048			0.0651		0.0582	0.801
41 Total Hexa-Dioxins				0.9644	10.048			0.771		0.0463	1.61
42 Total Hepta-Dioxins				1.0061	10.048			1.69		0.176	1.66
43 Total Tetra-Furans				0.9154	10.048			1.66		0.0533	3.17
44 1st Func. Penta-Furans				0.9594	10.048			0.109		0.0115	0.129
45 Total Penta-Furans				0.9594	10.048			0.582		0.0508	0.824
46 Total Hexa-Furans				1.0920	10.048			0.204		0.0217	0.391
47 Total Hepta-Furans				1.0482	10.048			0.006		0.0235	0.122
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



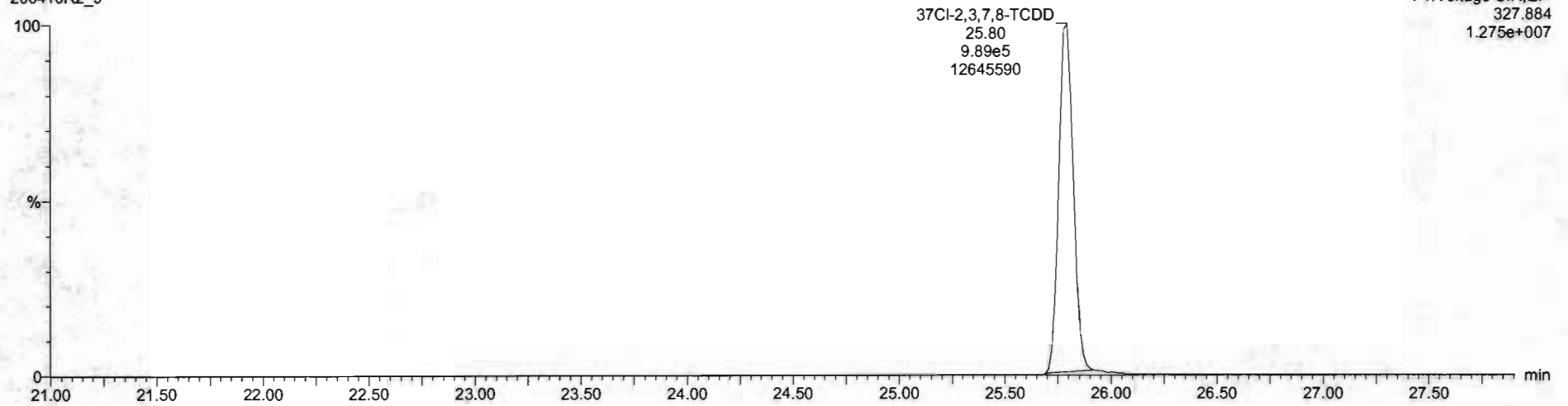
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

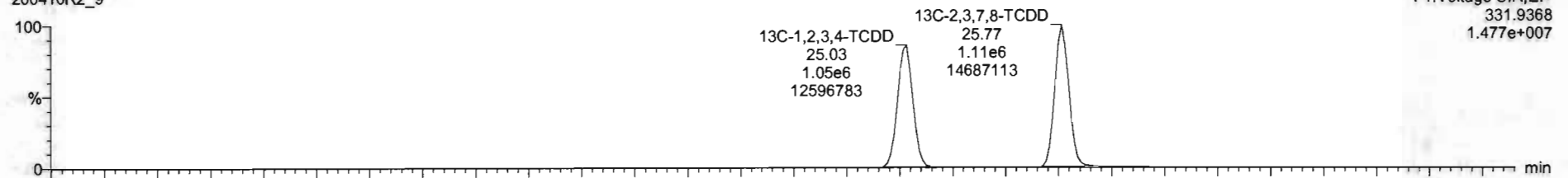
37Cl-2,3,7,8-TCDD

200410R2_9

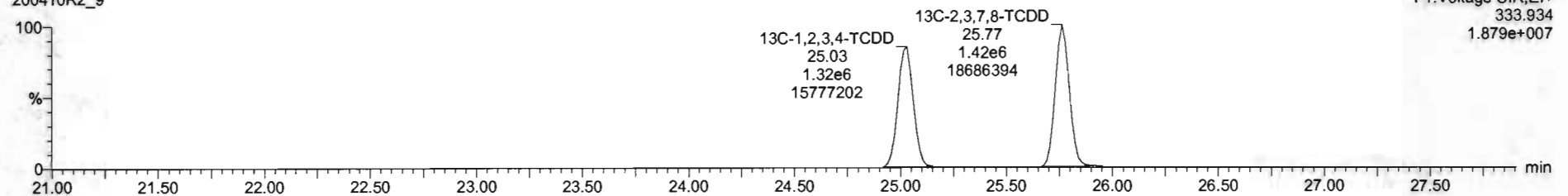


13C-1,2,3,4-TCDD

200410R2_9



200410R2_9

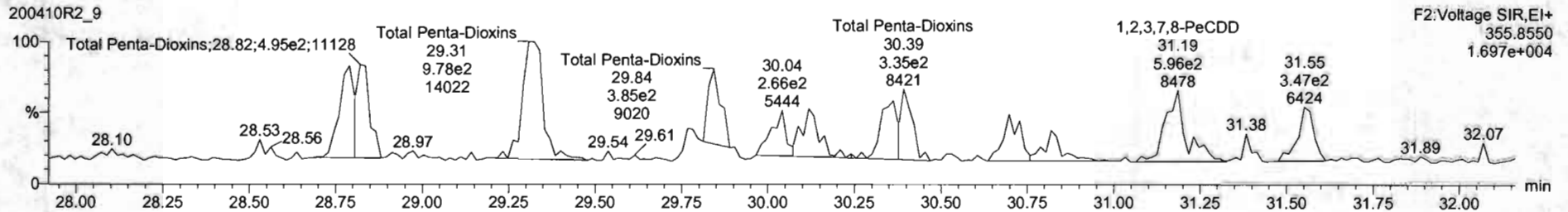
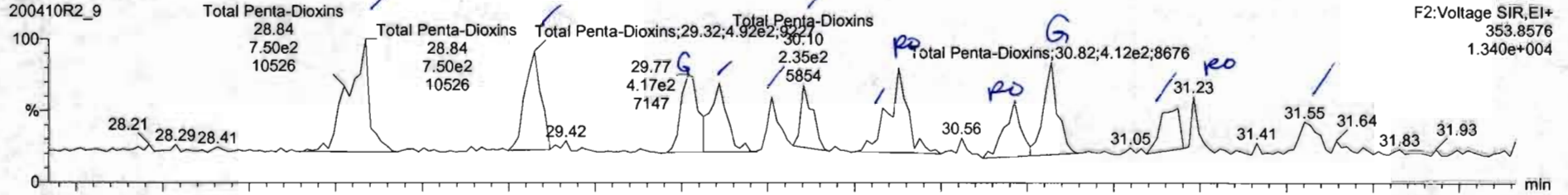


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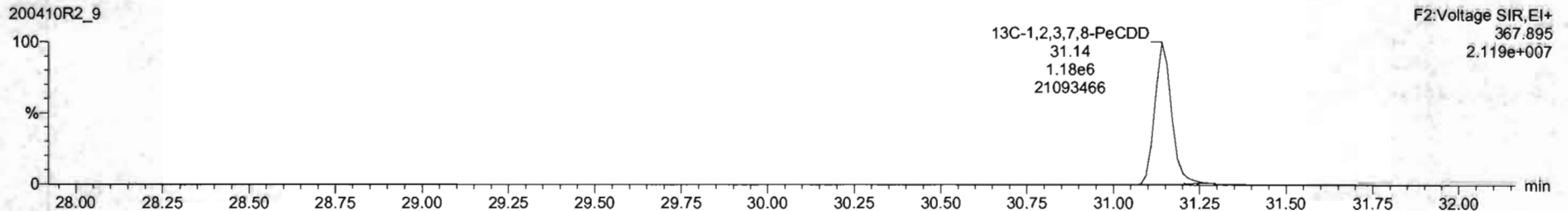
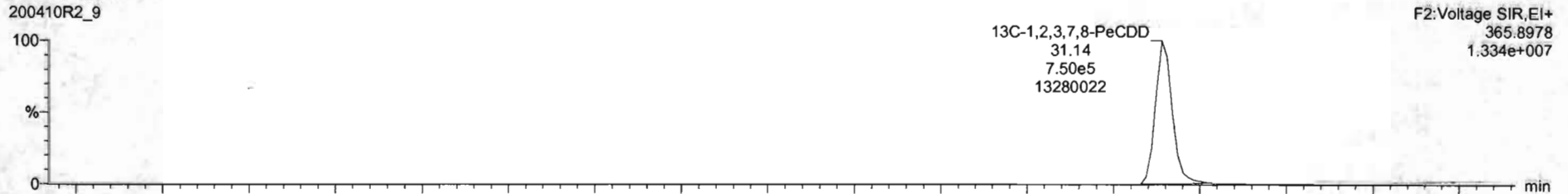
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Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

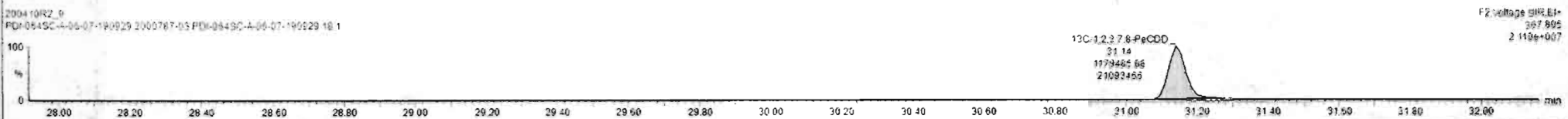
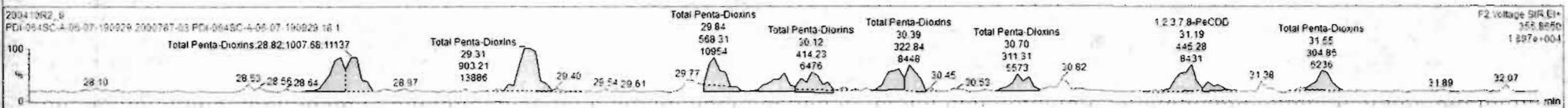
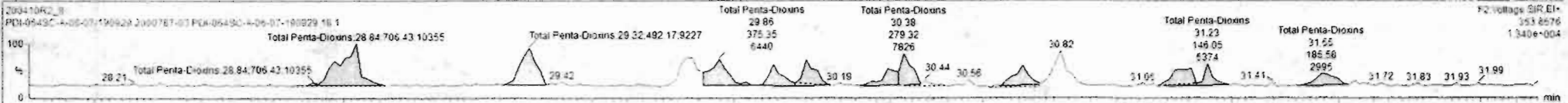
1,2,3,7,8-PeCDD



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



Name	Resp	RA	nty	RRF	wtdvol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.048			0.968		0.0367	1.95
40 Total Penta-Dioxins				0.0212	10.048			0.538		0.0582	0.529
41 Total Hexa-Dioxins				0.9844	10.048			0.771		0.0462	1.61
42 Total Hepta-Dioxins				1.0081	10.048			1.69		0.176	1.69
43 Total Tetra-Furans				0.9154	10.048			1.66		0.0523	2.17
44 1st Func. Penta-Furans				0.9594	10.048			0.109		0.0115	0.199
45 Total Penta-Furans				0.9594	10.048			0.582		0.0506	0.834
46 Total Hexa-Furans				1.0920	10.048			0.204		0.0217	0.191
47 Total Hepta-Furans				1.0483	10.048			0.000		0.0229	0.122
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



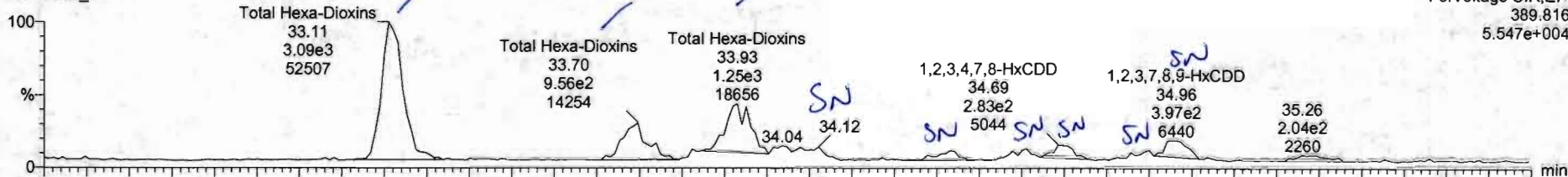
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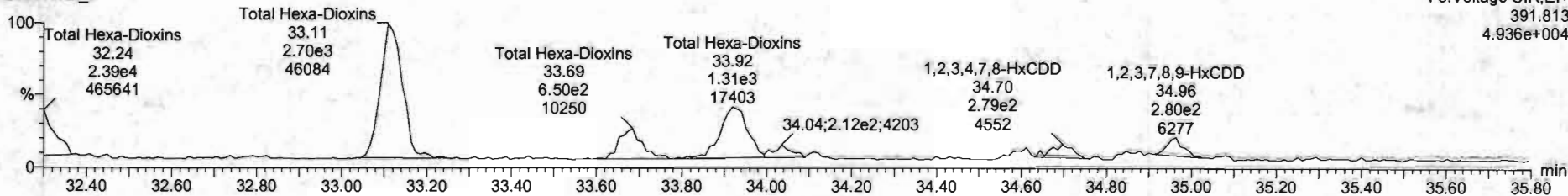
Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

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

200410R2_9

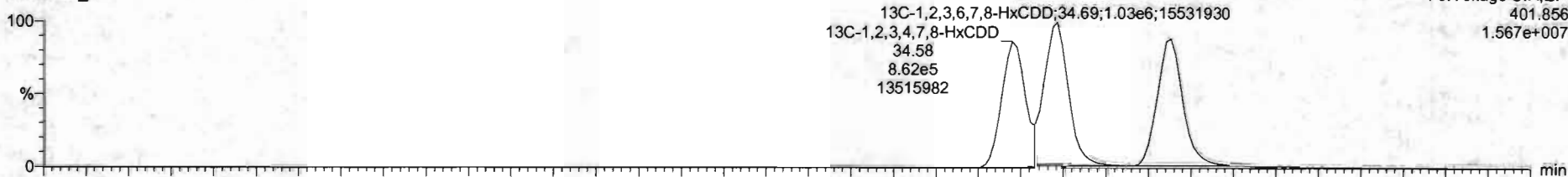


200410R2_9

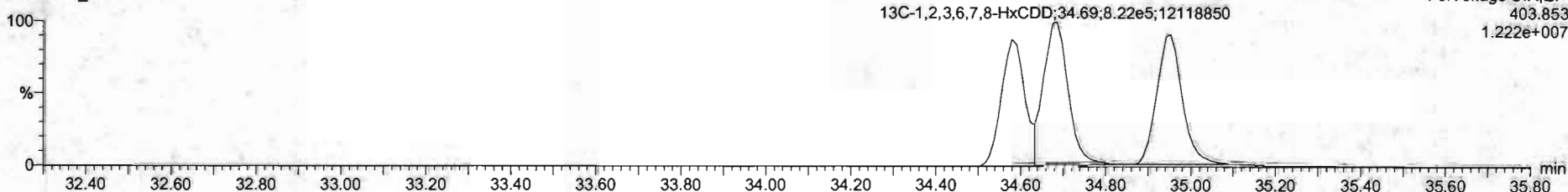


13C-1,2,3,4,7,8-HxCDD

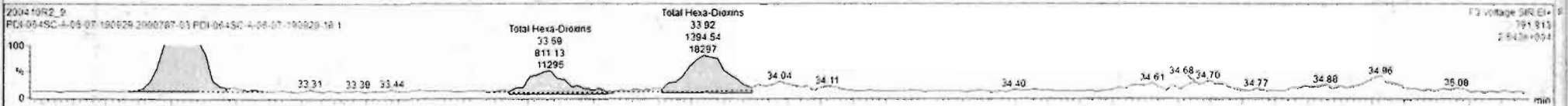
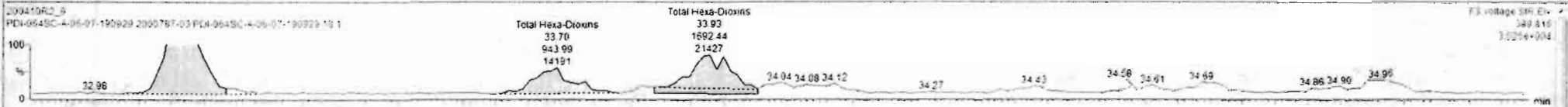
200410R2_9



200410R2_9



Name	Resp	RA	nty	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.048			0.968	0.0367	1.05	
40 Total Penta-Dioxins				0.9212	10.048			0.538	0.0582	0.929	
41 Total Hexa-Dioxins				0.9844	10.048			1.25	0.0463	1.25	
42 Total Hepta-Dioxins				1.0051	10.048			1.69	0.178	1.69	
43 Total Tetra-Furans				0.9154	10.048			1.66	0.0533	3.17	
44 1st Func. Penta-Furans				0.9594	10.048			0.109	0.0115	0.109	
45 Total Penta-Furans				0.9594	10.048			0.582	0.0508	0.824	
46 Total Hexa-Furans				1.0525	10.048			0.204	0.0217	0.391	
47 Total Hepta-Furans				1.0482	10.048			0.000	0.0239	0.122	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Dataset: Untitled

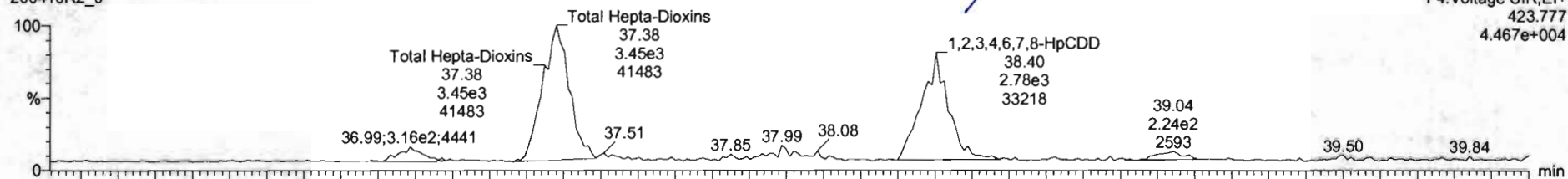
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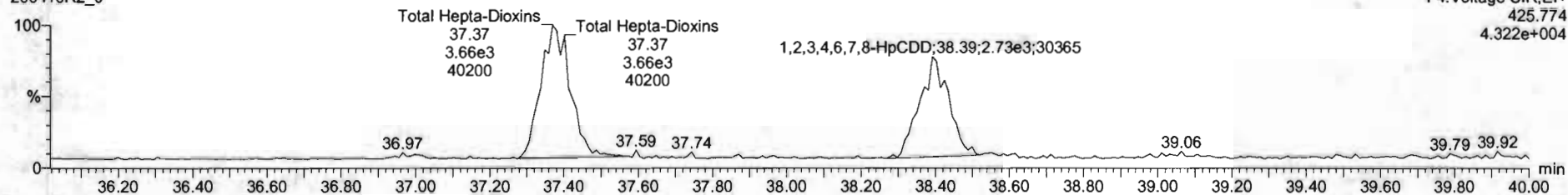
Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

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

200410R2_9

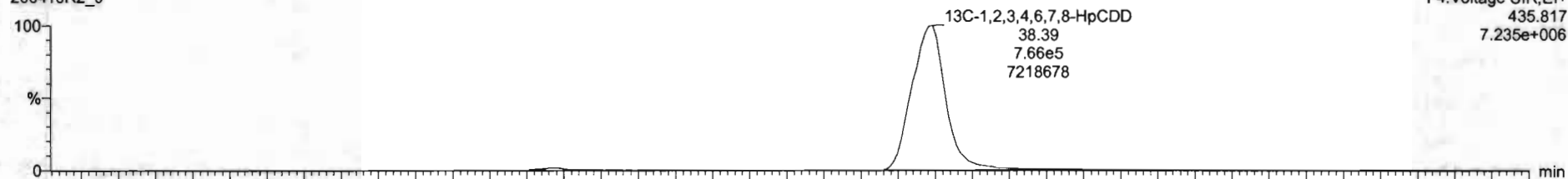


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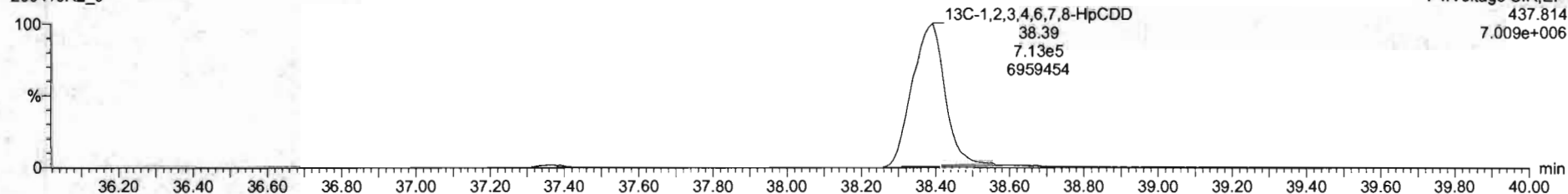


13C-1,2,3,4,6,7,8-HpCDD

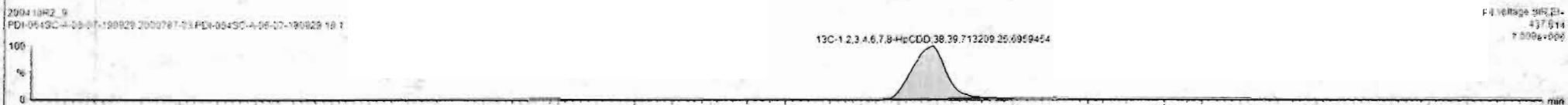
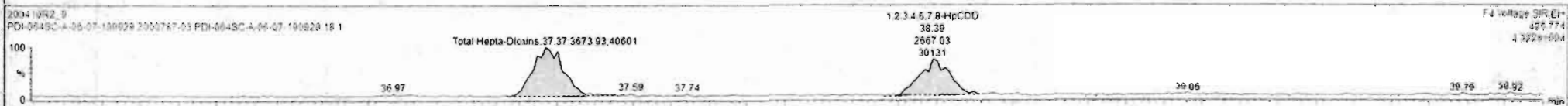
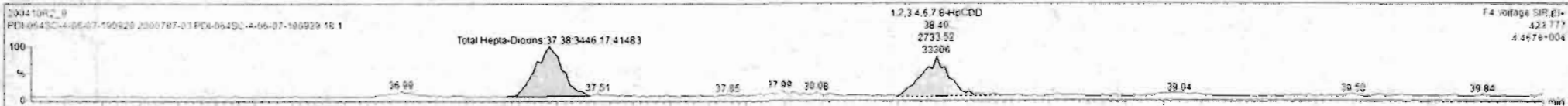
200410R2_9



200410R2_9



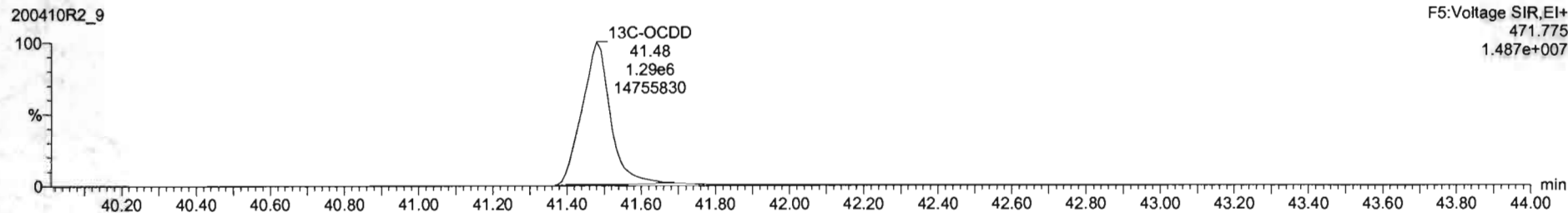
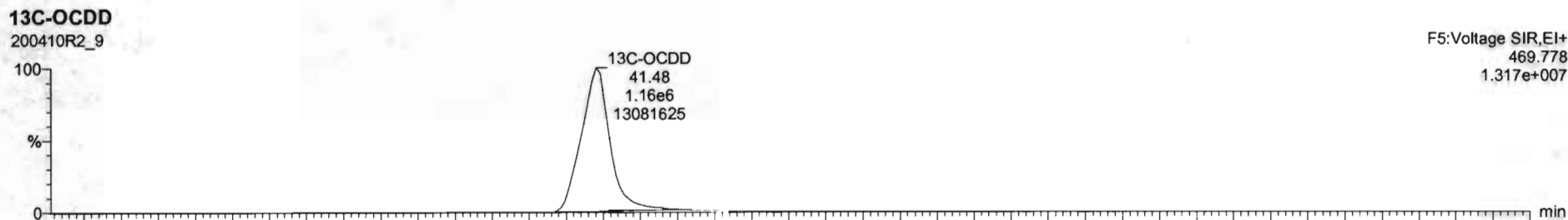
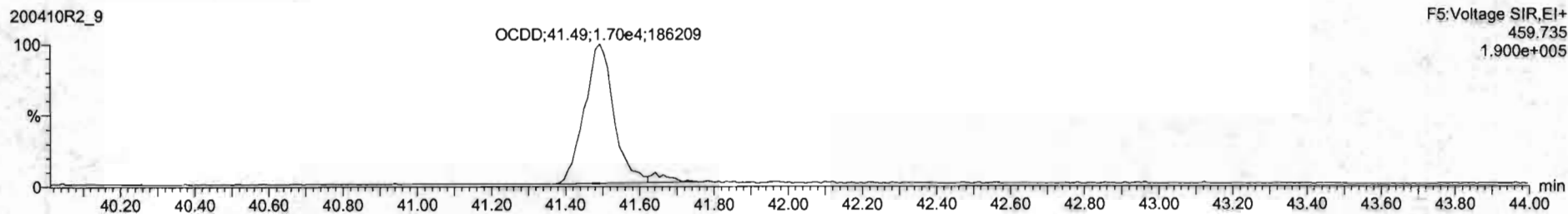
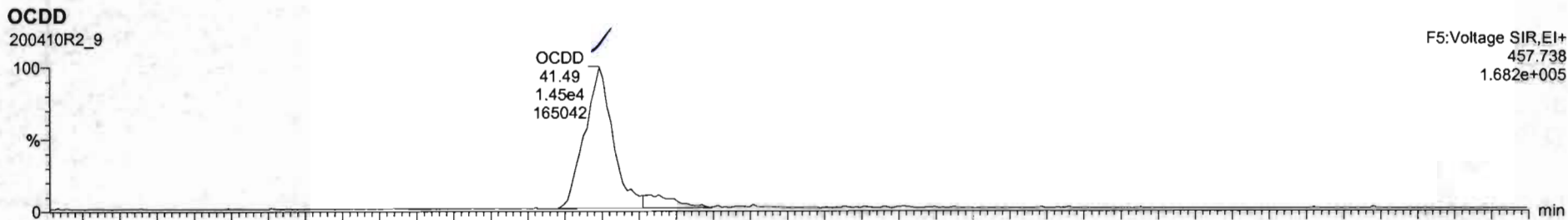
Name	Resp	RA	nty	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.048			0.968	0.0367	1.05	
40 Total Penta-Dioxins				0.9212	10.048			0.538	0.0582	0.929	
41 Total Hexa-Dioxins				0.9544	10.048			1.25	0.0463	1.25	
42 Total Hepta-Dioxins				1.0061	10.048			1.67	0.176	1.67	
43 Total Tetra-Furans				0.9154	10.048			1.66	0.0533	3.17	
44 1st Func. Penta-Furans				0.9594	10.048			0.109	0.0115	0.139	
45 Total Penta-Furans				0.9594	10.048			0.582	0.0508	0.824	
46 Total Hexa-Furans				1.0520	10.048			0.264	0.0217	0.391	
47 Total Hepta-Furans				1.0483	10.048			0.000	0.0239	0.122	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Dataset: Untitled

Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
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Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

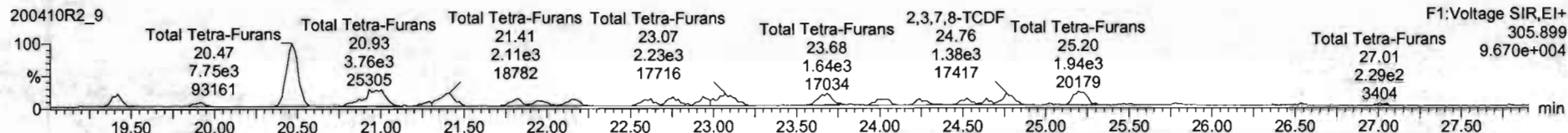
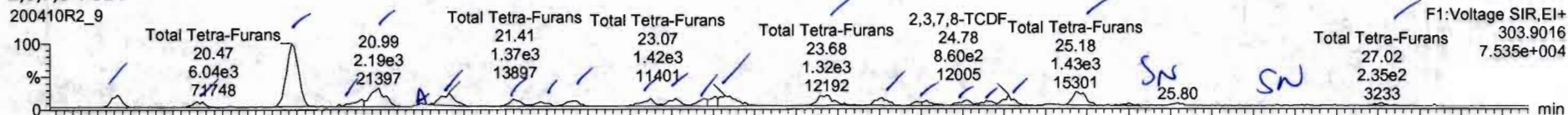


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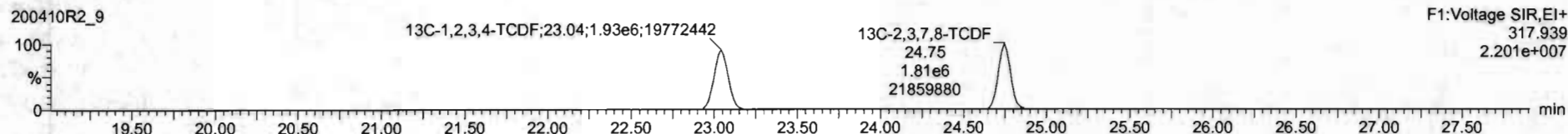
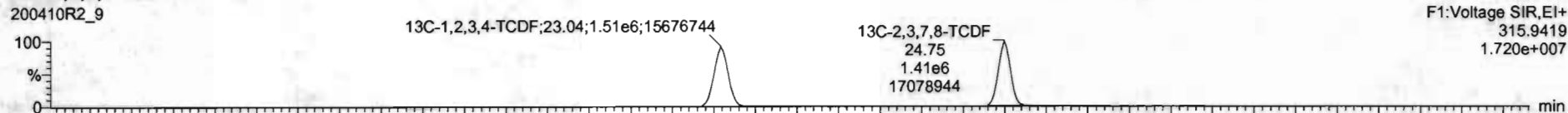
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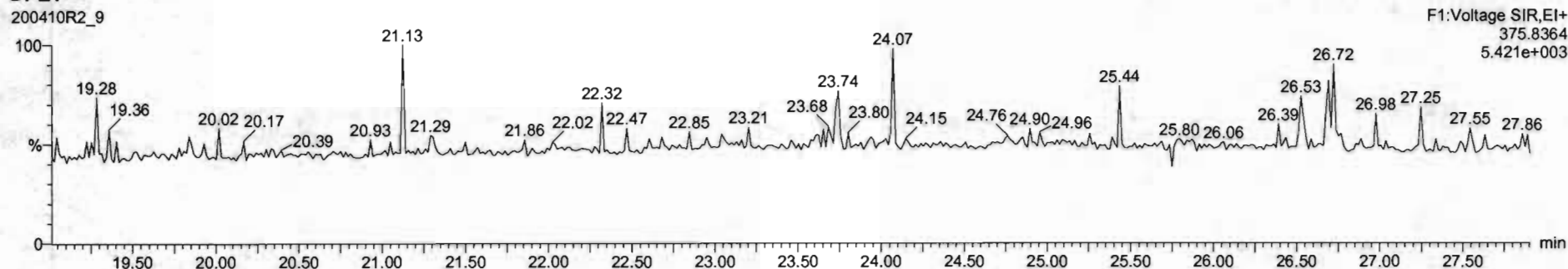
2,3,7,8-TCDF



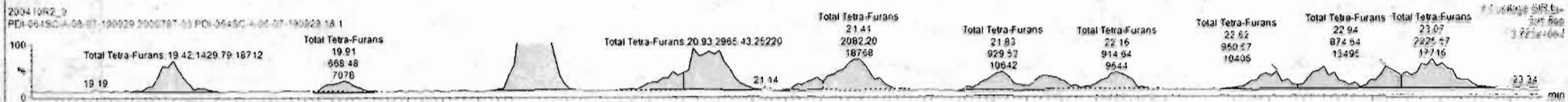
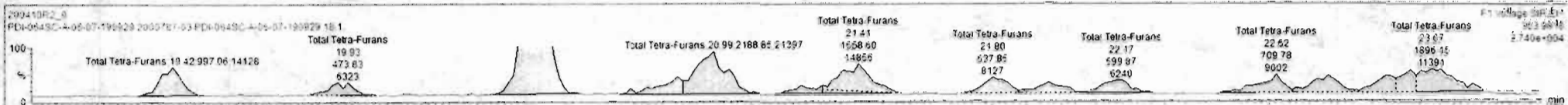
13C-2,3,7,8-TCDF



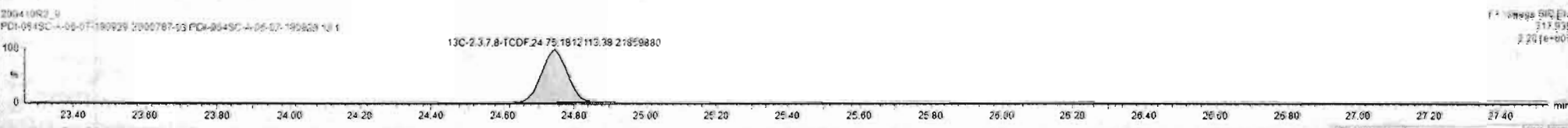
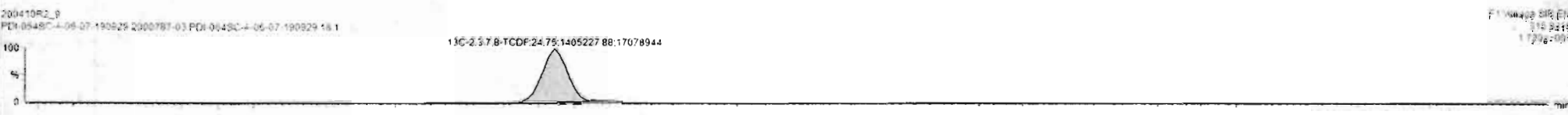
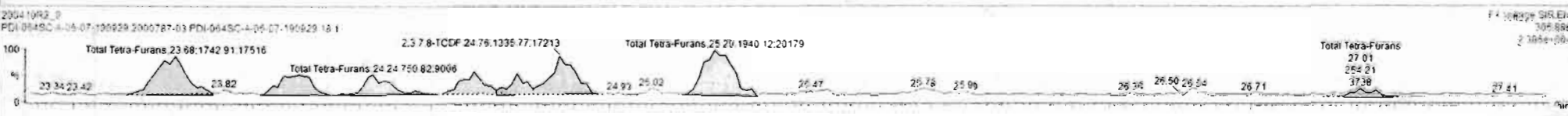
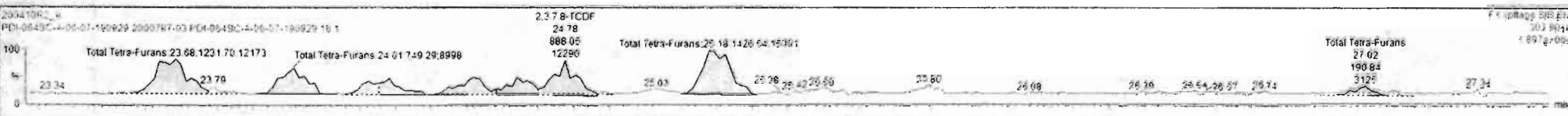
DPE1



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.048			0.538	0.0582	0.576	
41 Total Hexa-Dioxins				0.9844	10.048			1.25	0.0463	1.25	
42 Total Hepta-Dioxins				1.0921	10.048			1.67	0.178	1.67	
43 Total Tetra-Furans				0.9154	10.048			2.05	0.0523	3.70	
44 1st Func Penta-Furans				0.9594	10.048			0.109	0.115	0.109	
45 Total Penta-Furans				0.9594	10.048			0.582	0.0568	0.816	
46 Total Hexa-Furans				1.0920	10.048			0.204	0.0217	0.391	
47 Total Hepta-Furans				1.0483	10.048			0.000	0.0239	0.122	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.048			0.538		0.0582	0.939
41 Total Hexa-Dioxins				0.9844	10.048			1.25		0.0463	1.25
42 Total Hepta-Dioxins				1.0061	10.048			1.67		0.176	1.67
43 Total Tetra-Furans				0.9154	10.048			2.33		0.0533	3.79
44 1st Func. Penta-Furans				0.9534	10.048			0.109		0.0115	0.109
45 Total Penta-Furans				0.9554	10.048			0.582		0.0508	0.216
46 Total Hexa-Furans				1.0920	10.048			0.204		0.0217	0.391
47 Total Hepta-Furans				1.0483	10.048			0.000		0.0239	0.122
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



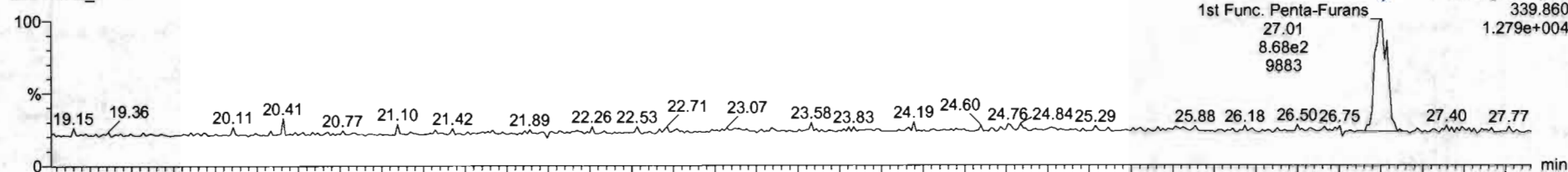
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

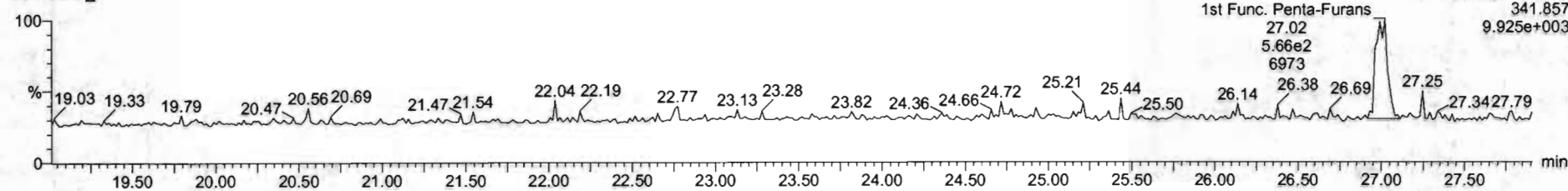
1st Func. Penta-Furans

200410R2_9



F1: Voltage SIR, EI+
339.860
1.279e+004

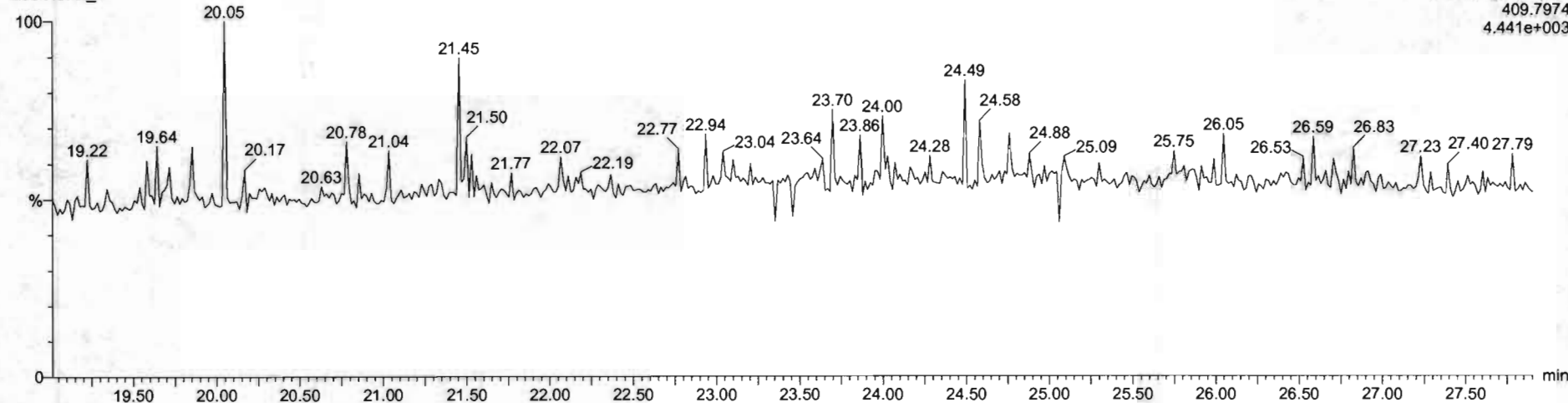
200410R2_9



F1: Voltage SIR, EI+
341.857
9.925e+003

DPE6

200410R2_9



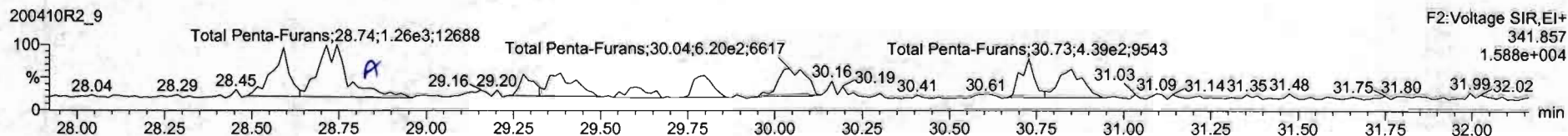
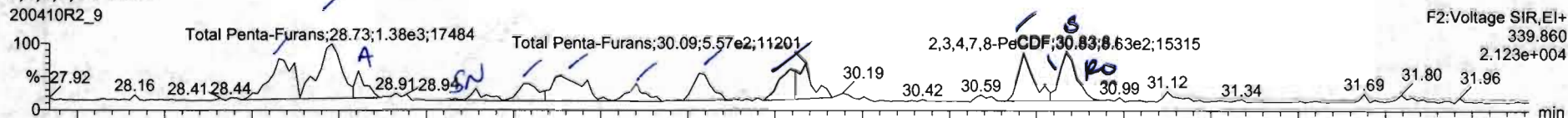
F1: Voltage SIR, EI+
409.7974
4.441e+003

Dataset: Untitled

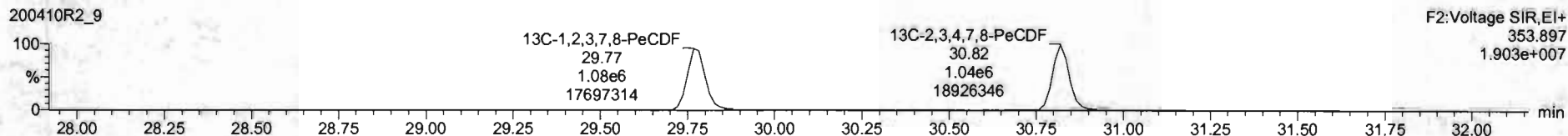
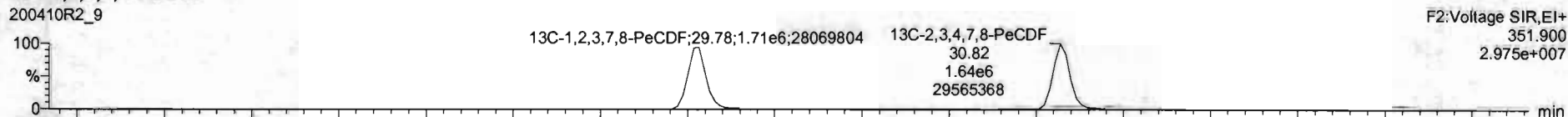
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Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

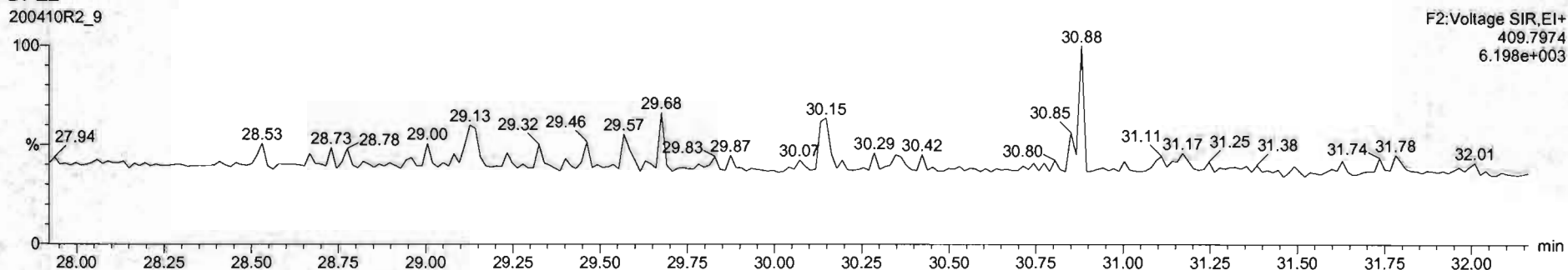
1,2,3,7,8-PeCDF

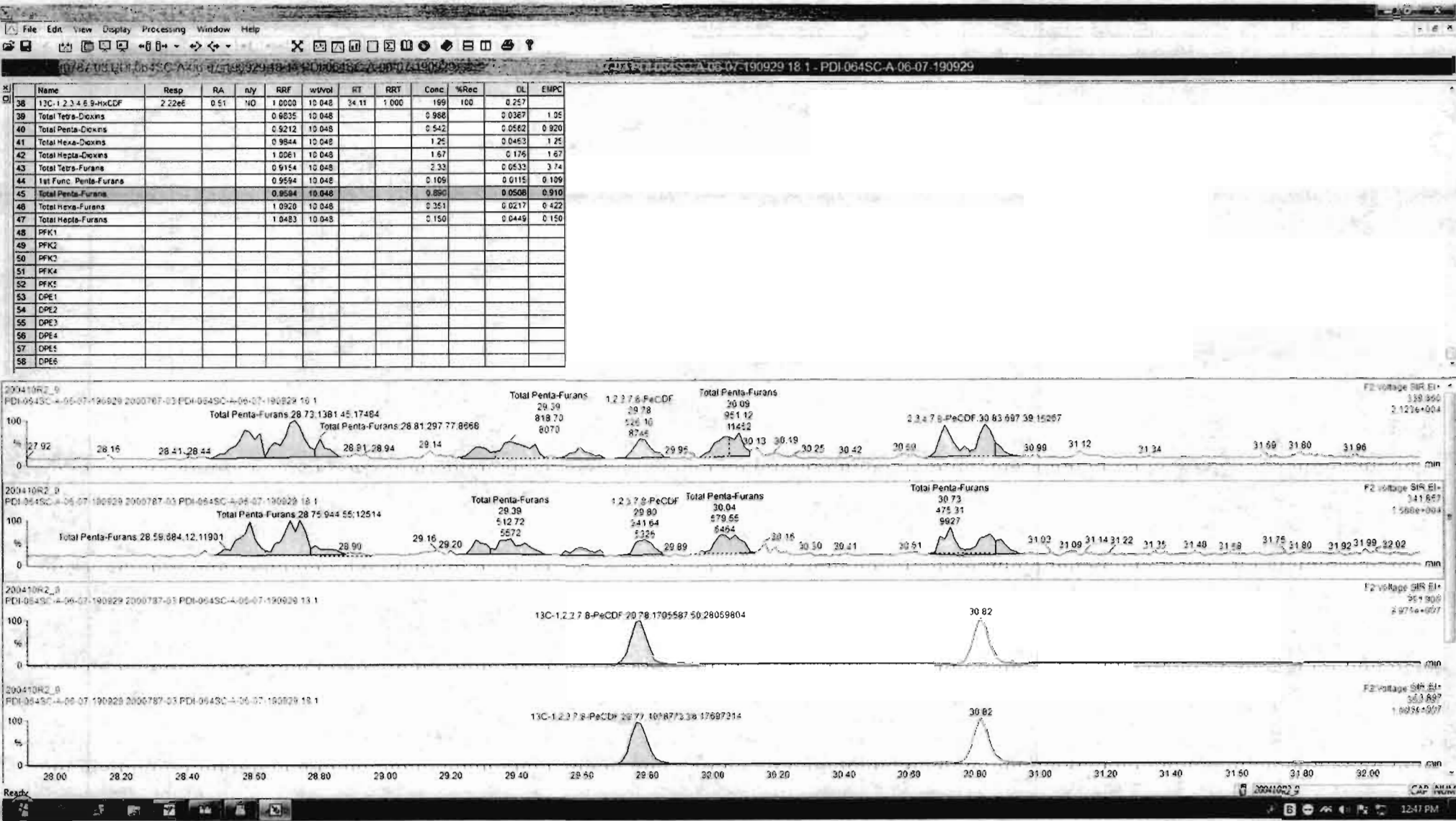


13C-1,2,3,7,8-PeCDF



DPE2





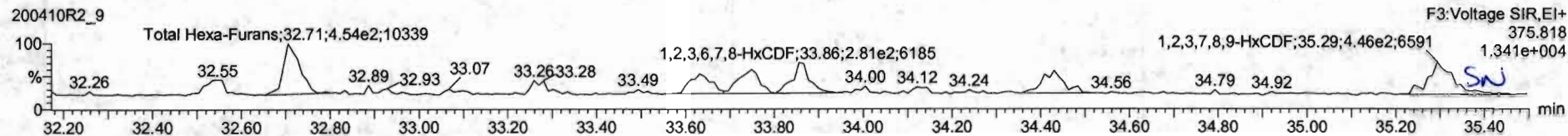
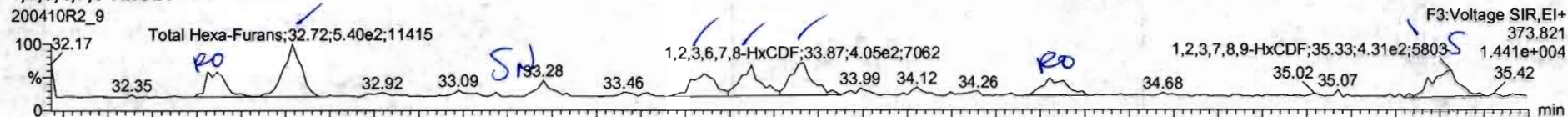
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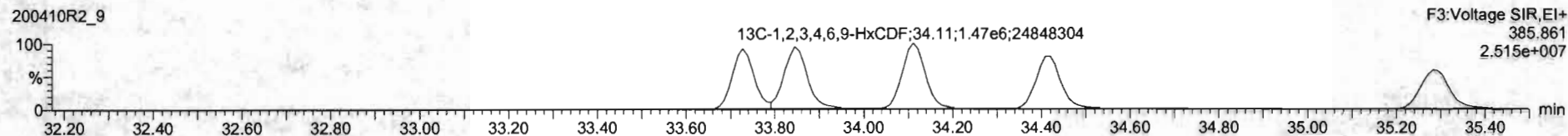
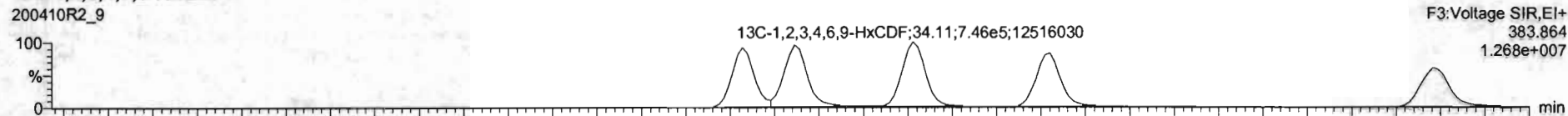
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

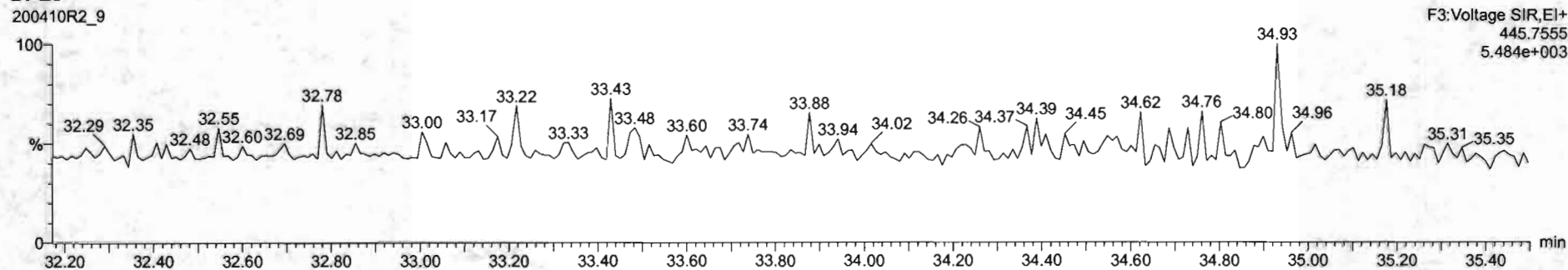
1,2,3,4,7,8-HxCDF



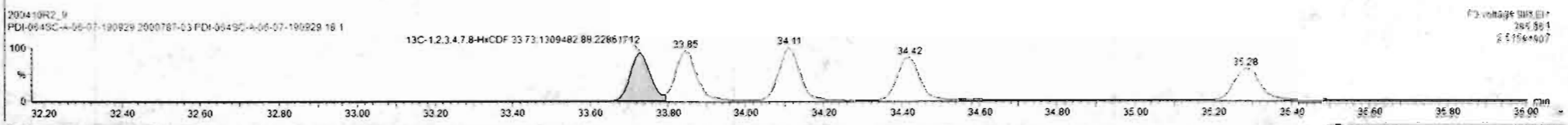
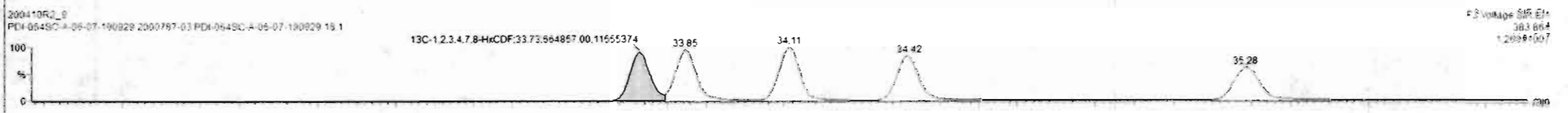
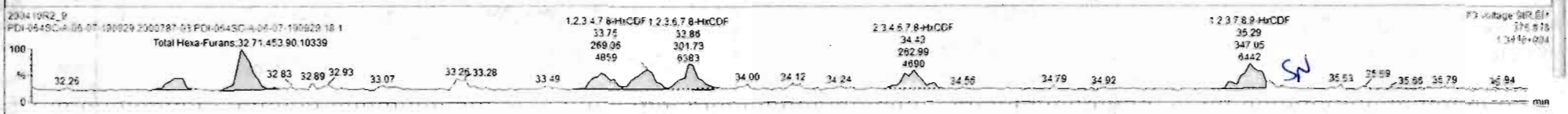
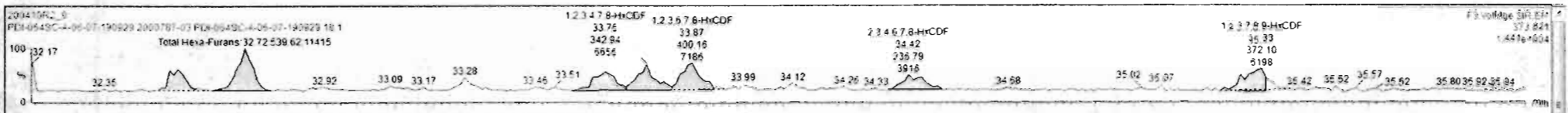
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	aly	RRF	w/vol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.048			0.542	0.9582	0.520	
41 Total Hexa-Dioxins				0.9844	10.048			1.25	0.0483	1.25	
42 Total Hepta-Dioxins				1.0061	10.048			1.67	0.176	1.67	
43 Total Tetra-Furans				0.9154	10.048			2.33	0.0533	3.74	
44 1st Func. Penta-Furans				0.9594	10.048			0.109	0.1115	0.199	
45 Total Penta-Furans				0.9594	10.048			0.890	0.0508	0.890	
46 Total Hexa-Furans				1.0920	10.048			0.351	0.0217	0.422	
47 Total Hepta-Furans				1.0483	10.048			0.060	0.0229	0.122	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

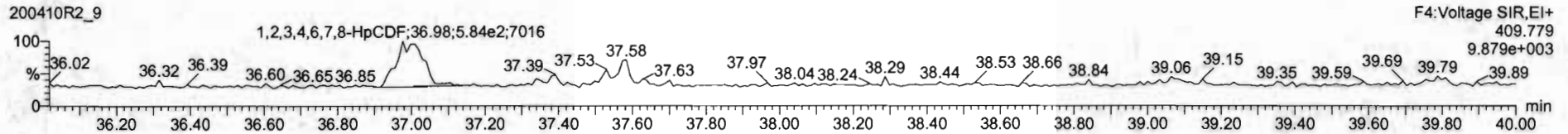
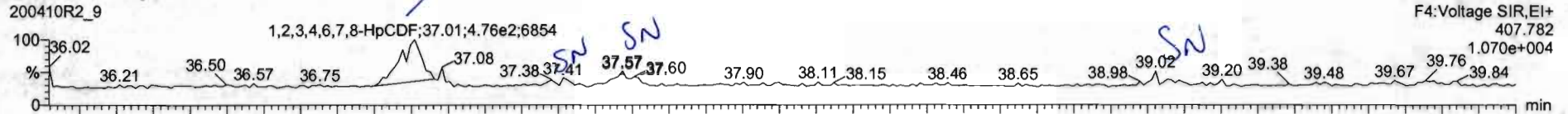


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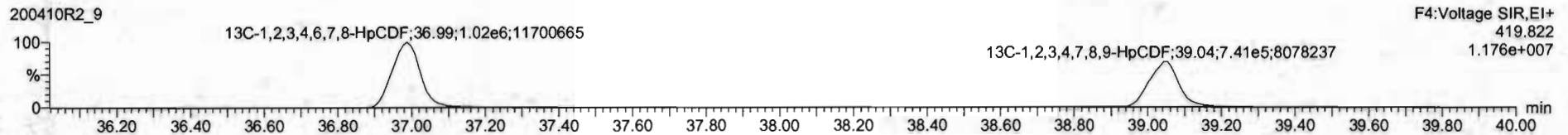
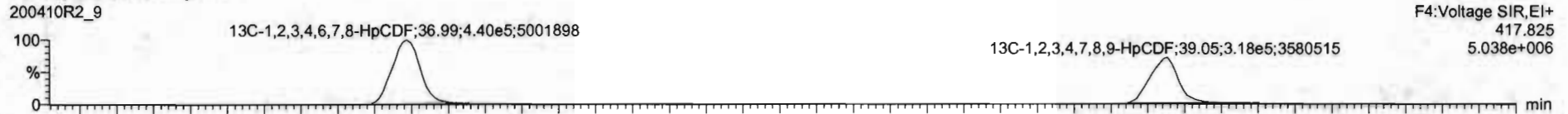
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Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929

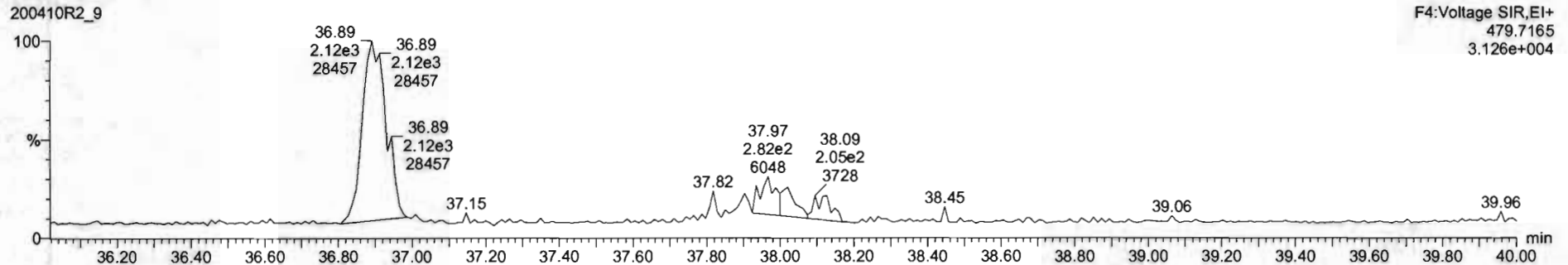
1,2,3,4,6,7,8-HpCDF



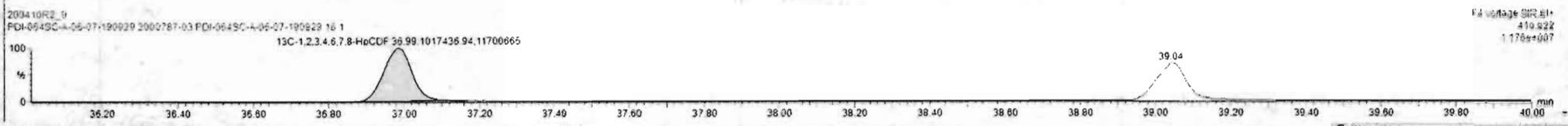
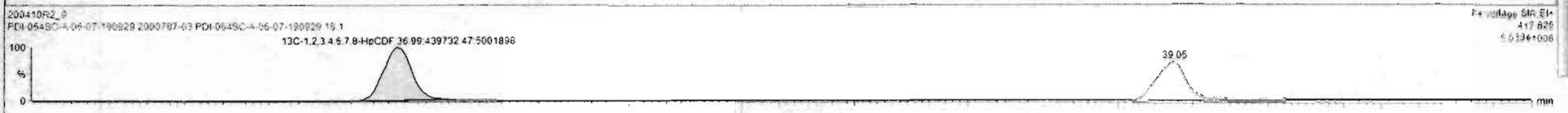
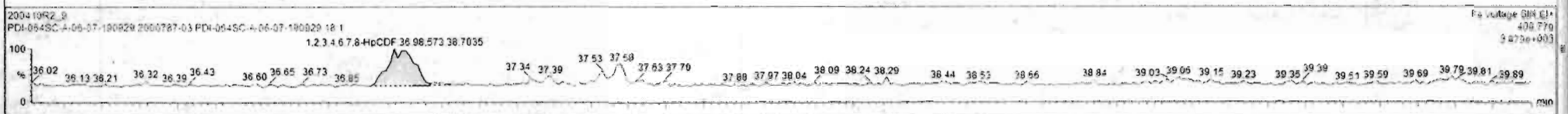
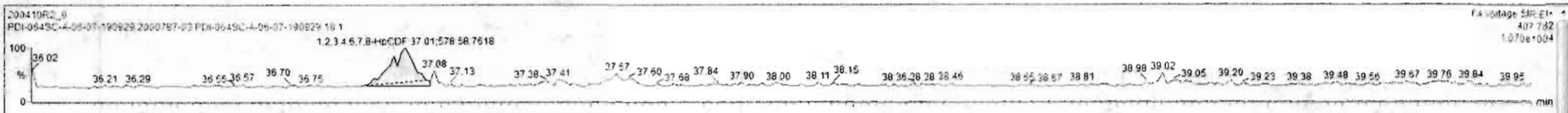
13C-1,2,3,4,6,7,8-HpCDF



DPE4



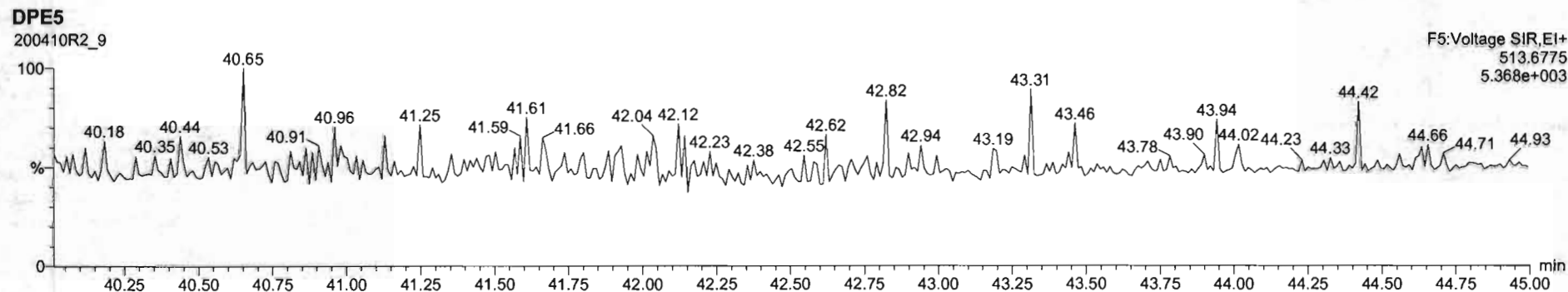
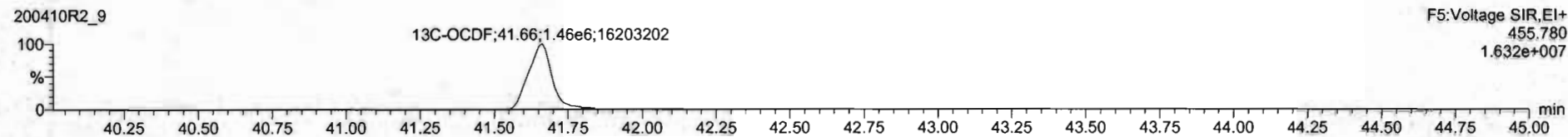
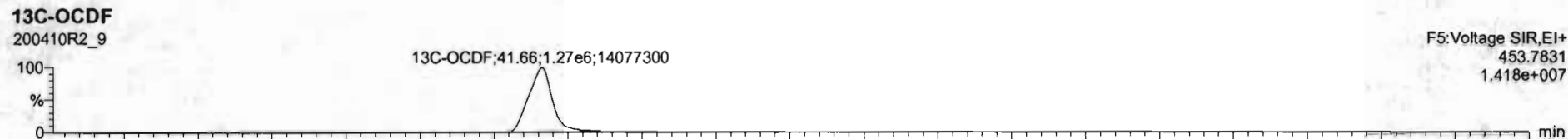
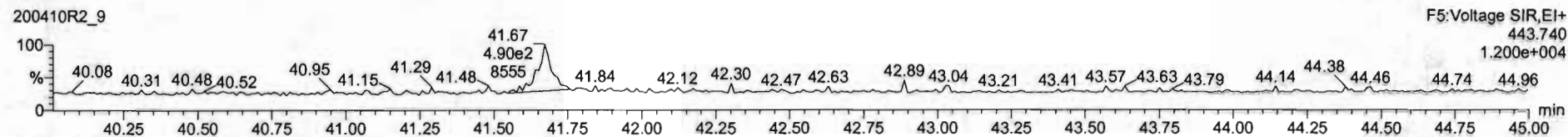
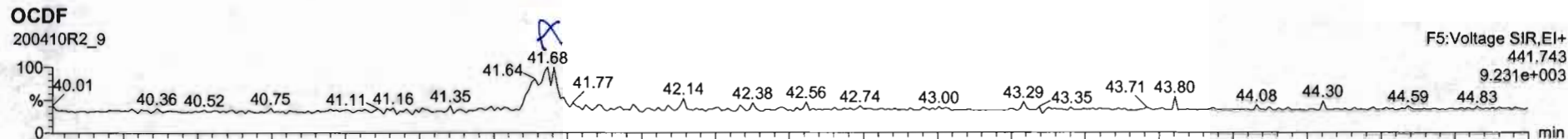
Name	Resp	RA	nfy	RHF	WtWgt	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9212	10.048			0.542	0.0582	0.520	
41 Total Hexa-Dioxins				0.9844	10.048			1.25	0.0463	1.25	
42 Total Hepta-Dioxins				1.0061	10.048			1.67	0.176	1.67	
43 Total Tetra-Furans				0.9154	10.048			2.33	0.0533	3.74	
44 1st Func. Penta-Furans				0.9594	10.048			0.109	0.0115	0.109	
45 Total Penta-Furans				0.9594	10.048			0.850	0.0508	0.850	
46 Total Hexa-Furans				1.0920	10.048			0.351	0.0217	0.422	
47 Total Hepta-Furans				1.0483	10.048			0.150	0.0449	0.150	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



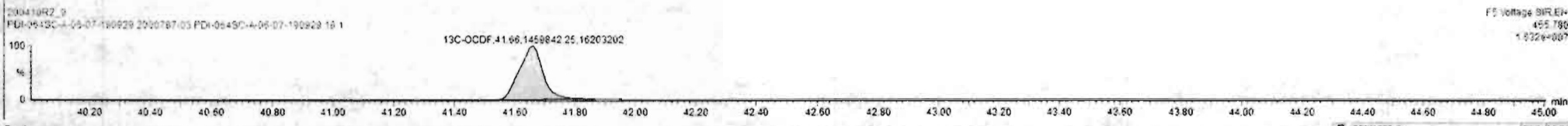
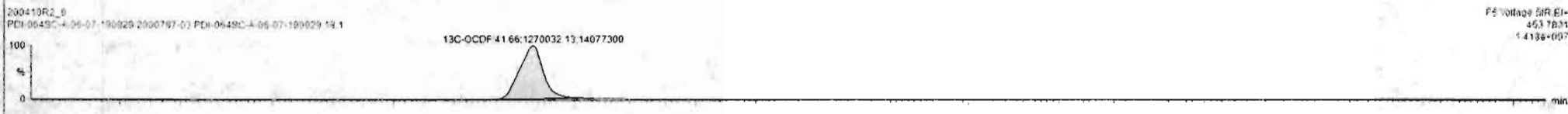
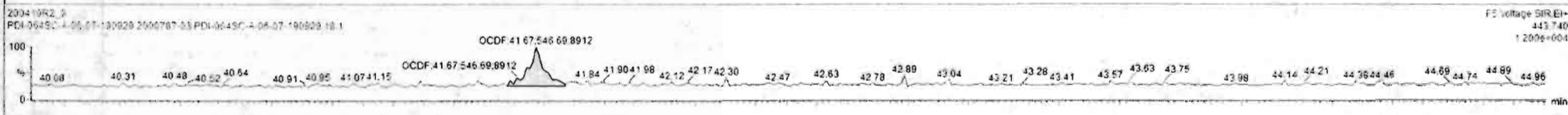
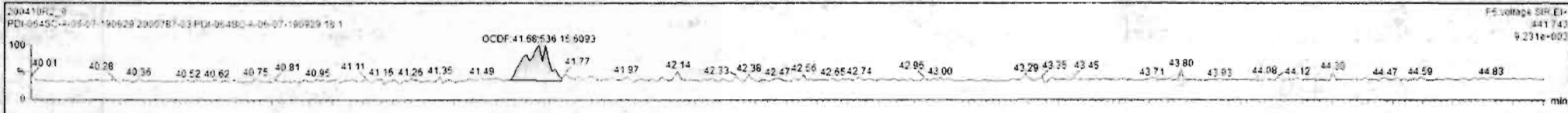
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Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929



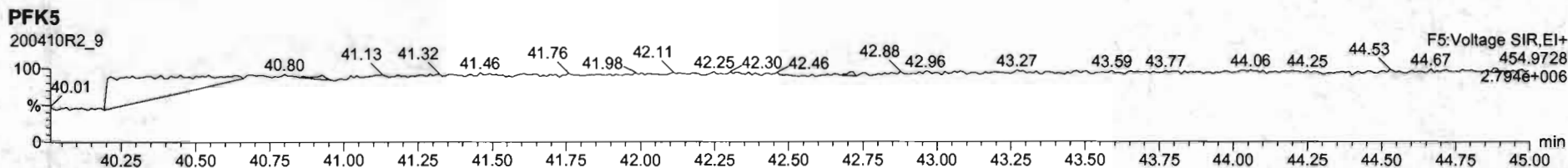
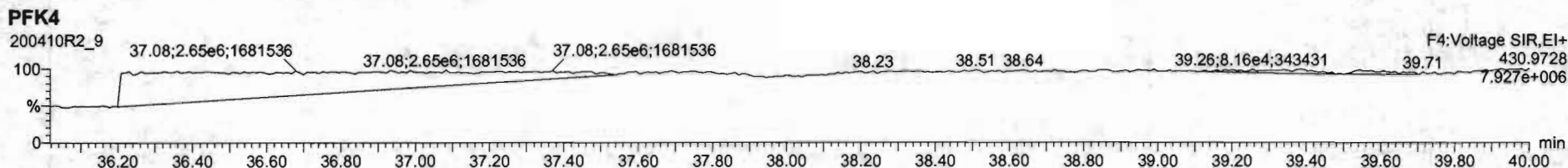
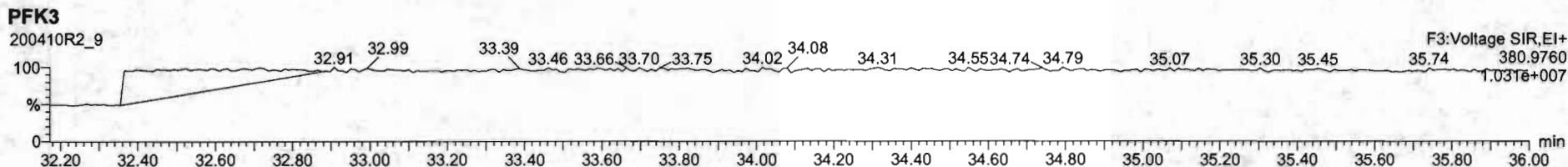
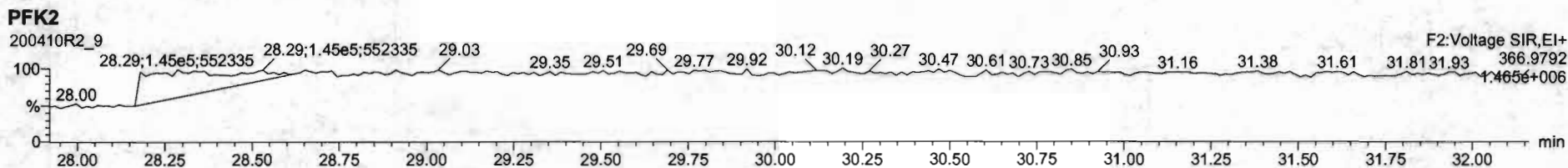
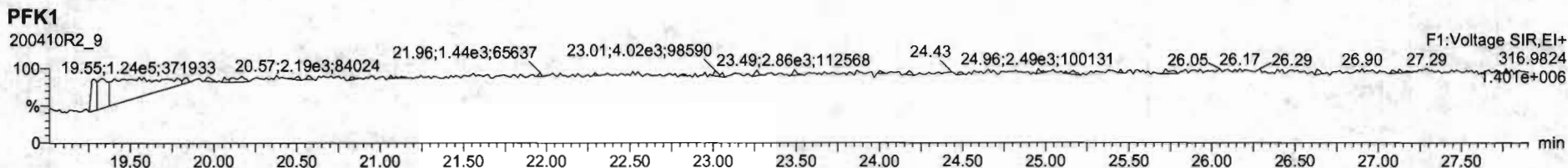
Name	Resp	RA	nly	RRF	w/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2.3.7.8-TCDD	1.91e3	0.21	YES	0.9835	10.048	25.76	1.000	0.153		0.0367	0.0616
2 1.2.3.7.8-PeCDD	8.56e2	0.43	YES	0.9212	10.048	31.19	1.001	0.0952		0.0582	0.0737
3 1.2.3.4.7.8-HxCDD	5.82e2	1.01	YES	1.1325	10.048	24.69	1.003	0.0641		0.0427	0.0583
4 1.2.3.6.7.8-HxCDD			NO	0.9844	10.048					0.0425	
5 1.2.3.7.8.9-HxCDD	6.77e2	1.42	NO	0.9674	10.048	34.95	1.000	0.0817		0.0469	0.0817
6 1.2.3.4.6.7.8-HpCDD	5.51e3	1.02	NO	1.0351	10.048	36.40	1.000	0.736		0.176	0.736
7 OCDD	3.14e4	0.85	NO	1.0515	10.048	41.49	1.000	4.86		0.0691	4.86
8 2.3.7.8-TCDF	2.24e3	0.82	YES	0.9154	10.048	24.78	1.001	0.151		0.0533	0.134
9 1.2.3.7.8-PeCDF	9.58e2	1.54	NO	0.9554	10.048	29.78	1.000	0.0847		0.0521	0.0947
10 2.3.4.7.8-PeCDF	1.43e3	1.52	NO	1.0035	10.048	30.82	1.001	0.106		0.0473	0.106
11 1.2.3.4.7.8-HxCDF	6.12e2	1.27	NO	1.0381	10.048	32.75	1.001	0.0594		0.0200	0.0594
12 1.2.3.6.7.8-HxCDF	6.86e2	1.44	YES	1.0126	10.048	32.87	1.001	0.0632		0.0197	0.0580
13 2.3.4.6.7.8-HxCDF	5.00e2	0.90	YES	1.0920	10.048	34.42	1.000	0.0473		0.0212	0.0405
14 1.2.3.7.8.9-HxCDF	8.77e2	0.96	YES	1.0288	10.048	35.33	1.001	0.100		0.0312	0.0868
15 1.2.3.4.6.7.8-HpCDF	1.06e3	0.81	YES	1.0483	10.048	37.01	1.001	0.138		0.0386	0.122
16 1.2.3.4.7.8.9-HpCDF			NO	1.2059	10.048					0.0464	
17 OCDF	1.08e3	0.98	NO	0.9488	10.048	41.66	1.001	0.167		0.0453	0.167
18 13C-2.3.7.8-TCDD	2.53e6	0.78	NO	1.1842	10.048	25.76	1.029	160	50.4		0.107
19 13C-1.2.3.7.8-PeCDD	1.93e6	0.84	NO	0.8644	10.048	31.14	1.244	186	94.4		0.168
20 13C-1.2.3.4.7.8-HxCDD	1.54e6	1.27	NO	0.7539	10.048	24.58	1.014	163	92.1		0.221



Dataset: Untitled

Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_9, Date: 11-Apr-2020, Time: 03:06:49, ID: 2000787-03 PDI-064SC-A-06-07-190929 18.1, Description: PDI-064SC-A-06-07-190929



Dataset: U:\VG12.PRO\Results\200410R2\200410R2-10.qld

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 Printed: Tuesday, April 14, 2020 10:51:55 Pacific Daylight Time

GPB 04/14/2020

C. 04/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_10, Date: 11-Apr-2020, Time: 03:54:39, ID: 2000787-04 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929

#	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	0.983	10.077	25.781		1.001				0.0423	
2	2 1,2,3,7,8-PeCDD	6.93e2	0.57	NO	0.921	10.077	31.162	31.17	1.001	1.001	0.090281		0.0385	0.0903
3	3 1,2,3,4,7,8-HxCDD	8.35e2	1.31	NO	1.13	10.077	34.590	34.69	1.000	1.003	0.11499		0.0407	0.115
4	4 1,2,3,6,7,8-HxCDD			NO	0.984	10.077	34.676		1.000				0.0425	
5	5 1,2,3,7,8,9-HxCDD	1.11e3	1.10	NO	0.967	10.077	34.952	34.95	1.000	1.000	0.16571		0.0478	0.166
6	6 1,2,3,4,6,7,8-HpCDD	4.66e3	0.96	NO	1.01	10.077	38.394	38.40	1.000	1.001	0.80819		0.0646	0.808
7	7 OCDD	3.04e4	0.85	NO	1.05	10.077	41.471	41.48	1.000	1.000	5.7350		0.0705	5.74
8	8 2,3,7,8-TCDF	1.70e3	0.66	NO	0.915	10.077	24.743	24.75	1.001	1.001	0.13789		0.0430	0.138
9	9 1,2,3,7,8-PeCDF	1.06e3	1.68	NO	0.959	10.077	29.803	29.78	1.001	1.000	0.092289		0.0328	0.0923
10	10 2,3,4,7,8-PeCDF	8.63e2	1.49	NO	1.00	10.077	30.851	30.85	1.001	1.001	0.074386		0.0296	0.0744
11	11 1,2,3,4,7,8-HxCDF	6.90e2	1.31	NO	1.04	10.077	33.728	33.73	1.000	1.000	0.083254		0.0207	0.0833
12	12 1,2,3,6,7,8-HxCDF	6.33e2	1.15	NO	1.01	10.077	33.855	33.86	1.000	1.000	0.070627		0.0188	0.0706
13	13 2,3,4,6,7,8-HxCDF	5.83e2	1.24	NO	1.09	10.077	34.444	34.42	1.001	1.000	0.066091		0.0205	0.0661
14	14 1,2,3,7,8,9-HxCDF	7.23e2	1.07	NO	1.03	10.077	35.283	35.28	1.000	1.000	0.10091		0.0293	0.101
15	15 1,2,3,4,6,7,8-HpCDF	7.97e2	0.73	YES	1.05	10.077	37.014	37.00	1.001	1.001	0.12886		0.0354	0.107
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.077	39.043		1.000				0.0442	
17	17 OCDF	9.47e2	0.76	NO	0.947	10.077	41.652	41.65	1.000	1.000	0.17886		0.0418	0.179
18	18 13C-2,3,7,8-TCDD	2.10e6	0.78	NO	1.18	10.077	25.720	25.75	1.029	1.030	175.92	88.6	0.164	
19	19 13C-1,2,3,7,8-PeCDD	1.65e6	0.63	NO	0.864	10.077	30.900	31.14	1.236	1.246	190.04	95.8	0.222	
20	20 13C-1,2,3,4,7,8-HxCDD	1.27e6	1.27	NO	0.754	10.077	34.585	34.58	1.014	1.014	185.57	93.5	0.238	
21	21 13C-1,2,3,6,7,8-HxCDD	1.53e6	1.28	NO	0.925	10.077	34.694	34.68	1.017	1.017	181.99	91.7	0.194	
22	22 13C-1,2,3,7,8,9-HxCDD	1.38e6	1.22	NO	0.829	10.077	34.957	34.94	1.025	1.024	182.64	92.0	0.217	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.14e6	1.01	NO	0.598	10.077	38.429	38.38	1.127	1.125	209.07	105	0.287	
24	24 13C-OCDD	2.00e6	0.86	NO	0.571	10.077	41.592	41.47	1.219	1.216	385.64	97.2	0.330	
25	25 13C-2,3,7,8-TCDF	2.67e6	0.76	NO	1.09	10.077	24.742	24.72	0.990	0.989	163.64	82.4	0.220	
26	26 13C-1,2,3,7,8-PeCDF	2.38e6	1.59	NO	0.876	10.077	29.572	29.78	1.183	1.191	180.78	91.1	0.301	
27	27 13C-2,3,4,7,8-PeCDF	2.29e6	1.57	NO	0.844	10.077	30.582	30.82	1.223	1.233	181.30	91.3	0.313	
28	28 13C-1,2,3,4,7,8-HxCDF	1.58e6	0.51	NO	1.00	10.077	33.729	33.73	0.989	0.989	174.00	87.7	0.298	
29	29 13C-1,2,3,6,7,8-HxCDF	1.76e6	0.51	NO	1.12	10.077	33.838	33.85	0.992	0.992	172.58	87.0	0.266	
30	30 13C-2,3,4,6,7,8-HxCDF	1.60e6	0.51	NO	1.04	10.077	34.421	34.41	1.009	1.009	170.23	85.8	0.288	
31	31 13C-1,2,3,7,8,9-HxCDF	1.39e6	0.53	NO	0.873	10.077	35.298	35.28	1.035	1.034	174.35	87.8	0.341	

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-10.qld

Last Altered: Tuesday, April 14, 2020 10:51:26 Pacific Daylight Time

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Sample Name: 200410R2_10, Date: 14-Apr-2020, Time: 03:54:39, ID: 2000787-04 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.17e6	0.44	NO	0.771	10.077	37.021	36.98	1.085	1.084	166.90	84.1	0.321	
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.32e5	0.43	NO	0.519	10.077	39.115	39.04	1.147	1.145	176.10	88.7	0.477	
34	34 13C-OCDF	2.22e6	0.87	NO	0.696	10.077	41.772	41.65	1.225	1.221	350.25	88.2	0.281	
35	35 37Cl-2,3,7,8-TCDD	8.21e5			1.17	10.077	25.730	25.78	1.029	1.031	69.399	87.4	0.0343	
36	36 13C-1,2,3,4-TCDD	2.00e6	0.79	NO	1.00	10.077	25.050	25.00	1.000	1.000	198.47	100	0.194	
37	37 13C-1,2,3,4-TCDF	2.98e6	0.78	NO	1.00	10.077	23.190	23.00	1.000	1.000	198.47	100	0.240	
38	38 13C-1,2,3,4,6,9-HxCDF	1.81e6	0.51	NO	1.00	10.077	34.040	34.11	1.000	1.000	198.47	100	0.298	
39	39 Total Tetra-Dioxins				0.983	10.077	24.620		0.000		1.6372		0.0423	1.64
40	40 Total Penta-Dioxins				0.921	10.077	29.960		0.000		1.2131		0.0385	1.21
41	41 Total Hexa-Dioxins				0.984	10.077	33.635		0.000		2.3177		0.0453	2.32
42	42 Total Hepta-Dioxins				1.01	10.077	37.640		0.000		1.9135		0.0646	1.91
43	43 Total Tetra-Furans				0.915	10.077	23.610		0.000		2.0081		0.0430	2.07
44	44 1st Func. Penta-Furans				0.959	10.077	27.090		0.000		0.00000		0.00668	0.0479
45	45 Total Penta-Furans				0.959	10.077	29.275		0.000		0.24225		0.0319	0.314
46	46 Total Hexa-Furans				1.09	10.077	33.555		0.000		0.39506		0.0210	0.432
47	47 Total Hepta-Furans				1.05	10.077	37.835		0.000		0.00000		0.0195	0.107

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-10.qld

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Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_10, Date: 11-Apr-2020, Time: 03:54:39, ID: 2000787-04 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.35	4.797e4	5.546e4	4.140e3	5.091e3	0.81	NO	9.232e3	0.88827	0.88827	0.0423
2	Total Tetra-Dioxins	21.72	2.691e4	3.681e4	2.347e3	3.199e3	0.73	NO	5.546e3	0.53359	0.53359	0.0423
3	Total Tetra-Dioxins	23.19	1.188e4	1.237e4	1.045e3	1.193e3	0.88	NO	2.238e3	0.21538	0.21538	0.0423

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.81	1.380e4	2.630e4	1.185e3	2.170e3	0.55	NO	3.354e3	0.43695	0.43695	0.0385
2	Total Penta-Dioxins	29.31	6.173e3	1.005e4	3.343e2	5.635e2	0.59	NO	8.978e2	0.11696	0.11696	0.0385
3	Total Penta-Dioxins	29.84	1.814e4	2.293e4	7.594e2	1.214e3	0.63	NO	1.974e3	0.25712	0.25712	0.0385
4	Total Penta-Dioxins	30.12	1.593e4	1.907e4	7.282e2	1.065e3	0.68	NO	1.794e3	0.23366	0.23366	0.0385
5	Total Penta-Dioxins	30.71	4.425e3	7.005e3	2.399e2	3.598e2	0.67	NO	5.996e2	0.078112	0.078112	0.0385
6	1,2,3,7,8-PeCDD	31.17	5.149e3	9.197e3	2.518e2	4.413e2	0.57	NO	6.930e2	0.090281	0.090281	0.0385

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.11	3.861e4	3.323e4	2.067e3	1.696e3	1.22	NO	3.763e3	0.54399	0.54399	0.0453
2	Total Hexa-Dioxins	33.69	8.591e4	6.605e4	4.388e3	3.599e3	1.22	NO	7.987e3	1.1546	1.1546	0.0453
3	Total Hexa-Dioxins	33.93	2.278e4	1.532e4	1.246e3	1.095e3	1.14	NO	2.341e3	0.33836	0.33836	0.0453
4	1,2,3,4,7,8-HxCDD	34.69	9.067e3	7.065e3	4.738e2	3.615e2	1.31	NO	8.353e2	0.11499	0.11499	0.0407
5	1,2,3,7,8,9-HxCDD	34.95	1.011e4	8.317e3	5.833e2	5.300e2	1.10	NO	1.113e3	0.16571	0.16571	0.0478

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.38	4.543e4	4.695e4	3.115e3	3.262e3	0.95	NO	6.377e3	1.1053	1.1053	0.0646
2	1,2,3,4,6,7,8-HpCDD	38.40	3.372e4	3.061e4	2.280e3	2.383e3	0.96	NO	4.662e3	0.80819	0.80819	0.0646

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-10.qld

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Name: 200410R2_10, Date: 14-Apr-2020, Time: 20:51:39, ID: 2000787-04, PDI: 064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.34	8.822e3	1.162e4	6.129e2	8.272e2	0.74	NO	1.440e3	0.11681	0.11681	0.0430
2	Total Tetra-Furans	19.85	2.740e3	4.955e3	2.222e2	3.393e2	0.65	NO	5.616e2	0.045551	0.045551	0.0430
3	Total Tetra-Furans	20.42	3.396e4	4.215e4	2.810e3	3.559e3	0.79	NO	6.369e3	0.51663	0.51663	0.0430
4	Total Tetra-Furans	20.83	4.099e3	4.494e3	2.262e2	3.013e2	0.75	NO	5.275e2	0.042791	0.042791	0.0430
5	Total Tetra-Furans	20.92	1.211e4	1.477e4	1.077e3	1.496e3	0.72	NO	2.573e3	0.20869	0.20869	0.0430
6	Total Tetra-Furans	21.30	1.023e4	1.068e4	7.885e2	1.179e3	0.67	NO	1.967e3	0.15957	0.15957	0.0430
7	Total Tetra-Furans	21.74	4.309e3	4.862e3	3.971e2	4.768e2	0.83	NO	8.739e2	0.070889	0.070889	0.0430
8	Total Tetra-Furans	21.89	3.093e3	4.604e3	2.373e2	3.275e2	0.72	NO	5.648e2	0.045816	0.045816	0.0430
9	Total Tetra-Furans	22.10	3.499e3	5.305e3	2.907e2	4.148e2	0.70	NO	7.054e2	0.057220	0.057220	0.0430
10	Total Tetra-Furans	22.56	2.960e3	4.805e3	2.783e2	4.059e2	0.69	NO	6.843e2	0.055505	0.055505	0.0430
11	Total Tetra-Furans	22.71	5.070e3	5.200e3	3.986e2	4.742e2	0.84	NO	8.728e2	0.070797	0.070797	0.0430
12	Total Tetra-Furans	22.91	5.999e3	6.507e3	4.691e2	6.531e2	0.72	NO	1.122e3	0.091029	0.091029	0.0430
13	Total Tetra-Furans	23.03	1.007e4	7.972e3	7.795e2	9.154e2	0.85	NO	1.695e3	0.13748	0.13748	0.0430
14	Total Tetra-Furans	23.64	8.796e3	7.571e3	6.373e2	7.540e2	0.85	NO	1.391e3	0.11285	0.11285	0.0430
15	Total Tetra-Furans	23.95	3.917e3	4.758e3	3.406e2	5.249e2	0.65	YES	0.000e0	0.00000	0.063503	0.0430
16	2,3,7,8-TCDF	24.75	7.899e3	1.206e4	6.729e2	1.027e3	0.66	NO	1.700e3	0.13789	0.13789	0.0430
17	Total Tetra-Furans	25.17	8.337e3	1.301e4	7.583e2	9.505e2	0.80	NO	1.709e3	0.13860	0.13860	0.0430

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	26.99	5.157e3	4.753e3	3.283e2	3.236e2	1.01	YES	0.000e0	0.00000	0.047866	0.0131

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.58	7.682e3	8.047e3	3.960e2	2.957e2	1.34	NO	6.918e2	0.061300	0.061300	0.0319
2	Total Penta-Furans	28.74	5.575e3	4.653e3	5.666e2	3.164e2	1.79	YES	0.000e0	0.00000	0.071502	0.0319
3	1,2,3,7,8-PeCDF	29.78	1.275e4	7.678e3	6.638e2	3.961e2	1.68	NO	1.060e3	0.092289	0.092289	0.0328
4	2,3,4,7,8-PeCDF	30.85	1.058e4	7.596e3	5.155e2	3.470e2	1.49	NO	8.625e2	0.074386	0.074386	0.0296
5	Total Penta-Furans	30.87	5.743e3	4.807e3	9.237e1	6.876e1	1.34	NO	1.611e2	0.014278	0.014278	0.0319

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-10.qld

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Name: 200410R2_10, Date: 14 Apr 2020, Time: 09:54:39, ID: 2000797-34 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.53	2.397e3	3.500e3	1.026e2	9.613e1	1.07	NO	1.987e2	0.022828	0.022828	0.0210
2	Total Hexa-Furans	32.71	5.223e3	2.985e3	2.508e2	1.962e2	1.28	NO	4.470e2	0.051355	0.051355	0.0210
3	Total Hexa-Furans	33.64	2.625e3	1.959e3	1.221e2	8.530e1	1.43	YES	0.000e0	0.00000	0.021953	0.0210
4	1,2,3,4,7,8-HxCDF	33.73	7.531e3	6.318e3	3.909e2	2.987e2	1.31	NO	6.896e2	0.083254	0.083254	0.0207
5	1,2,3,6,7,8-HxCDF	33.86	6.183e3	6.166e3	3.388e2	2.938e2	1.15	NO	6.325e2	0.070627	0.070627	0.0188
6	2,3,4,6,7,8-HxCDF	34.42	6.385e3	4.302e3	3.230e2	2.601e2	1.24	NO	5.831e2	0.066091	0.066091	0.0205
7	1,2,3,7,8,9-HxCDF	35.28	7.127e3	4.712e3	3.737e2	3.494e2	1.07	NO	7.231e2	0.10091	0.10091	0.0293
8	Total Hexa-Furans	35.35	4.155e3	1.936e3	1.054e2	5.799e1	1.82	YES	0.000e0	0.00000	0.014925	0.0210

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.00	6.412e3	7.225e3	3.366e2	4.601e2	0.73	YES	7.966e2	0.00000	0.10678	0.0354

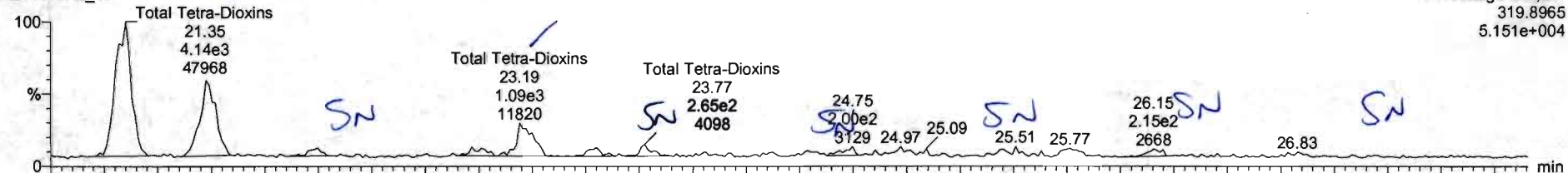
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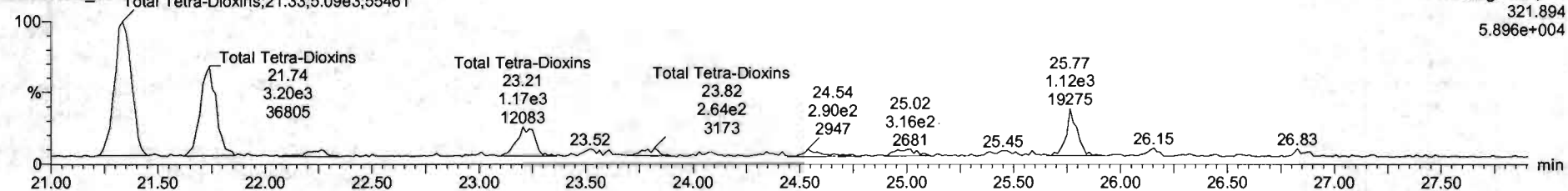
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2,3,7,8-TCDD

200410R2_10

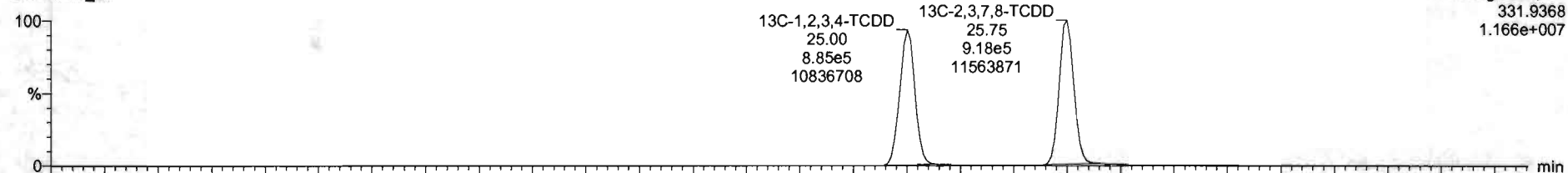


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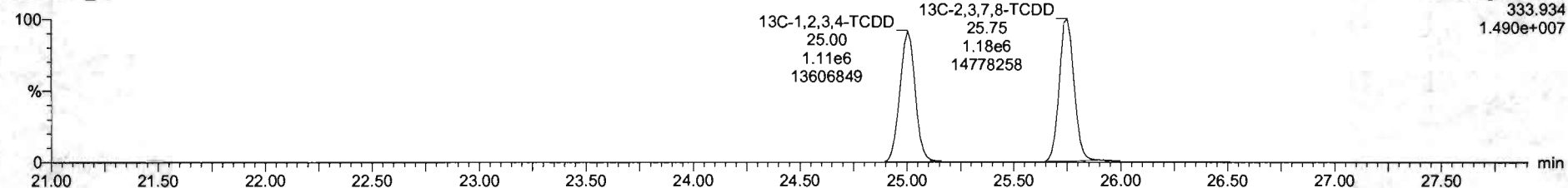


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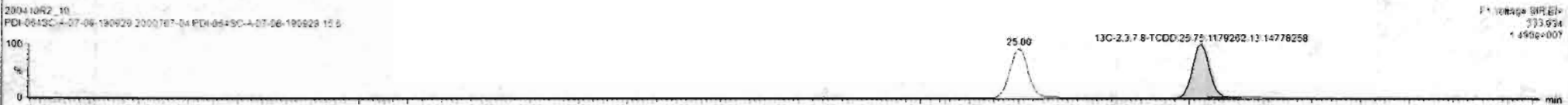
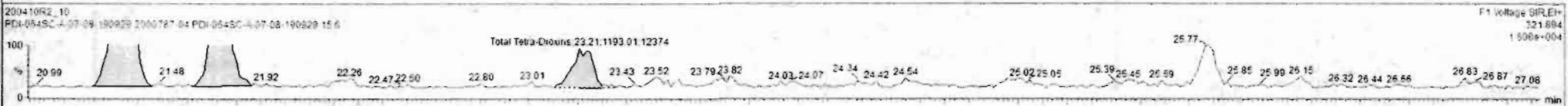
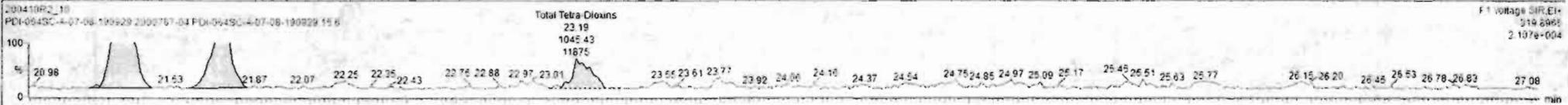
200410R2_10



200410R2_10



Name	Resp	RA	Qty	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.077			1.64	0.0423	1.64	
40 Total Penta-Dioxins				0.9212	10.077			0.686	0.0385	1.12	
41 Total Hexa-Dioxins				0.9844	10.077			1.95	0.0453	2.40	
42 Total Hepta-Dioxins				1.0061	10.077			1.94	0.0646	1.94	
43 Total Tetra-Furans				0.9154	10.077			1.40	0.0430	1.62	
44 1st Func. Penta-Furans				0.9594	10.077			0.000	0.00668	0.0515	
45 Total Penta-Furans				0.9594	10.077			0.256	0.0319	0.326	
46 Total Hexa-Furans				1.0920	10.077			0.335	0.0210	0.335	
47 Total Hepta-Furans				1.0483	10.077			0.000	0.0195	0.112	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



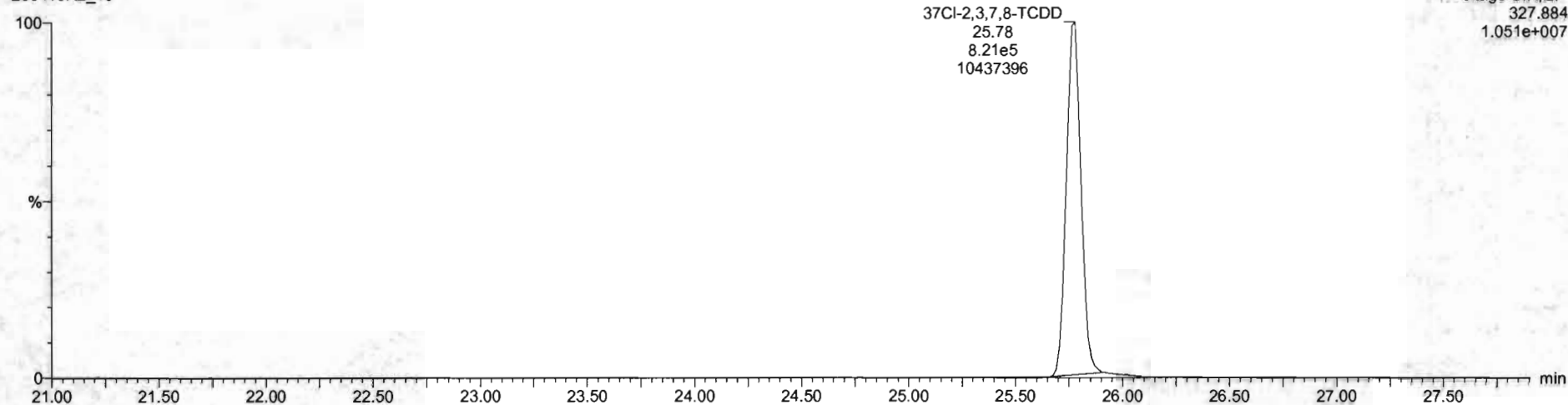
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Name: 200410R2_10, Date: 11-Apr-2020, Time: 03:54:39, ID: 2000787-04 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929

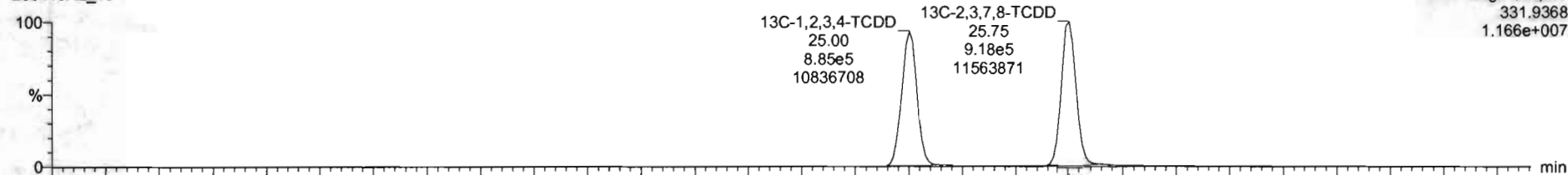
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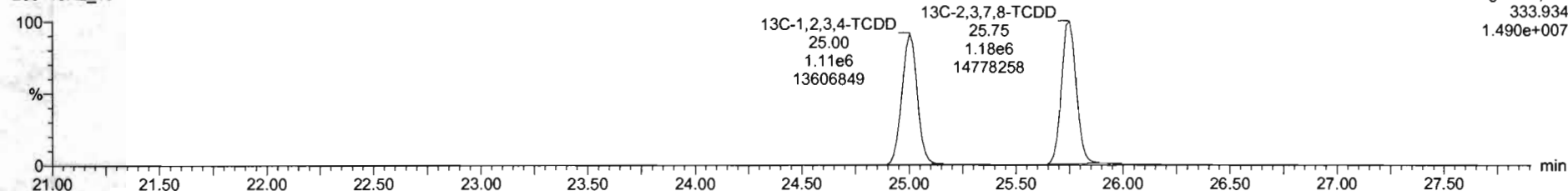


13C-1,2,3,4-TCDD

200410R2_10



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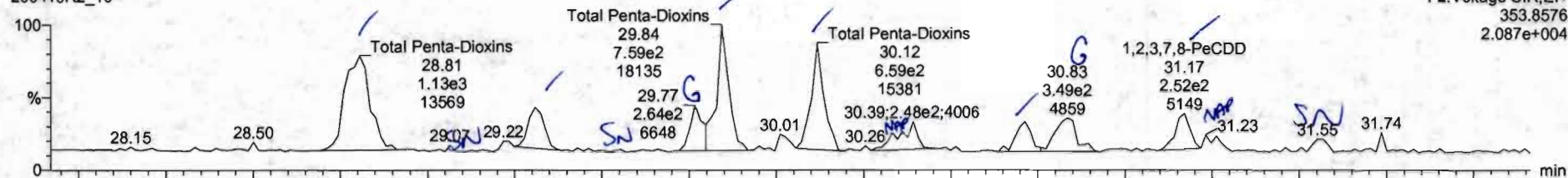
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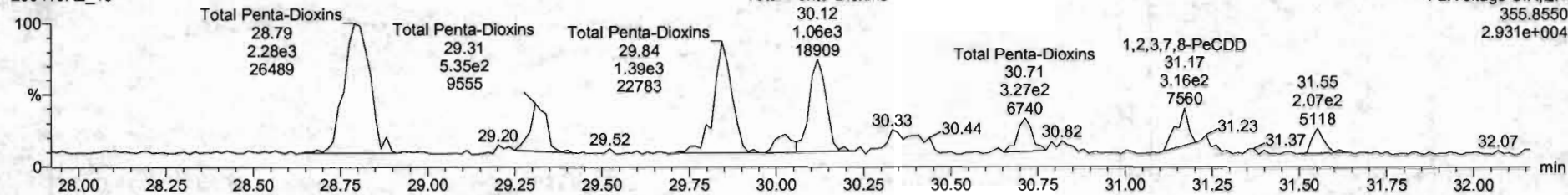
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1,2,3,7,8-PeCDD

200410R2_10

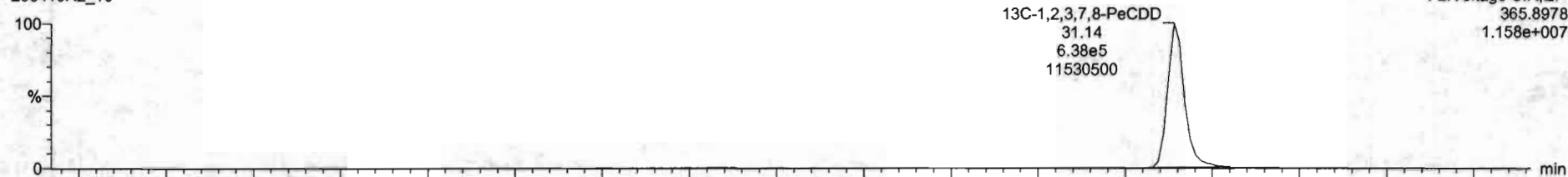


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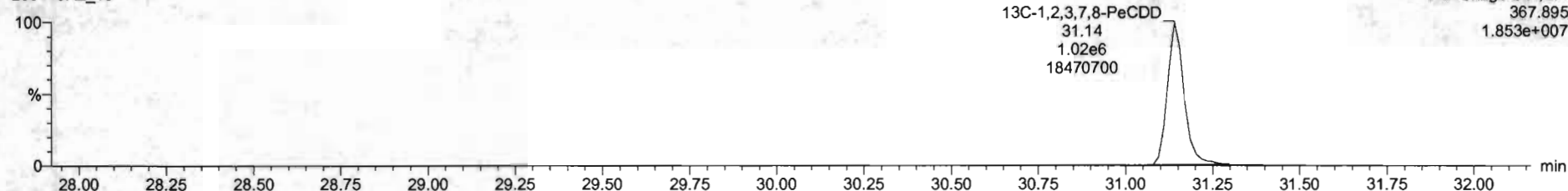


13C-1,2,3,7,8-PeCDD

200410R2_10



200410R2_10



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2006/3704 PDI-064SC-A-07-08-190929 15.6 - PDI-064SC-A-07-08-190929 15.6 - PDI-064SC-A-07-08-190929 15.6 - PDI-064SC-A-07-08-190929 15.6 - PDI-064SC-A-07-08-190929 15.6 - PDI-064SC-A-07-08-190929 15.6

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.077			1.64		0.0423	1.64
40 Total Penta-Dioxins				0.9212	10.077			1.21		0.0385	1.21
41 Total Hexa-Dioxins				0.9644	10.077			1.99		0.0453	2.40
42 Total Hepta-Dioxins				1.0061	10.077			1.94		0.0646	1.94
43 Total Tetra-Furans				0.9154	10.077			1.40		0.0430	1.62
44 1st Func. Penta-Furans				0.9594	10.077			0.000		0.00668	0.2515
45 Total Penta-Furans				0.9594	10.077			0.256		0.0319	0.326
46 Total Hexa-Furans				1.0920	10.077			0.335		0.0210	0.336
47 Total Hepta-Furans				1.0483	10.077			0.000		0.0195	0.113
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

200410R2_10
PDI-064SC-A-07-08-190929 2000787-04 PDI-064SC-A-07-08-190929 15.6

200410R2_10
PDI-064SC-A-07-08-190929 2000787-04 PDI-064SC-A-07-08-190929 15.6

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200410R2_10
PDI-064SC-A-07-08-190929 2000787-04 PDI-064SC-A-07-08-190929 15.6

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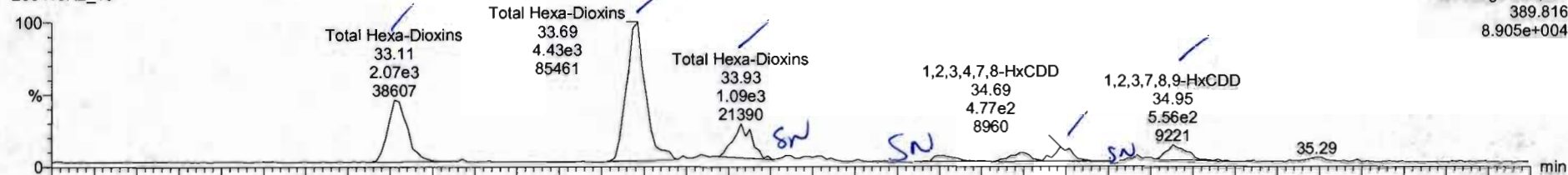
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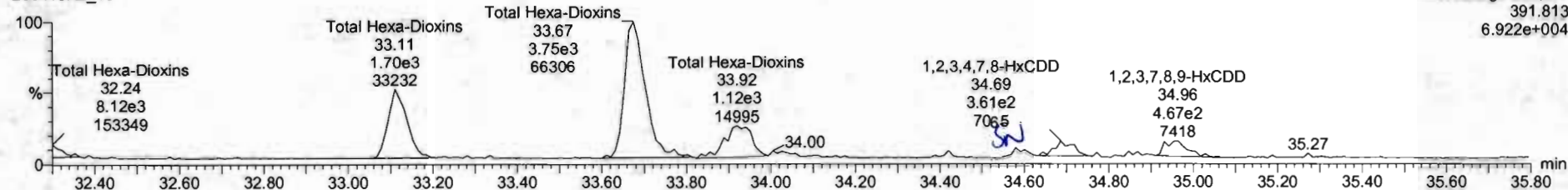
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1,2,3,4,7,8-HxCDD

200410R2_10

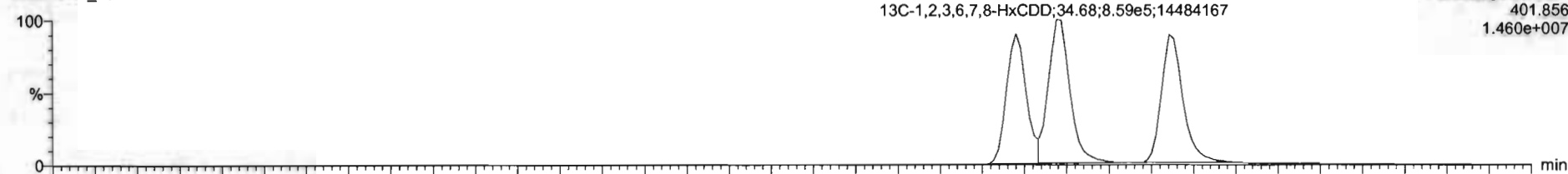


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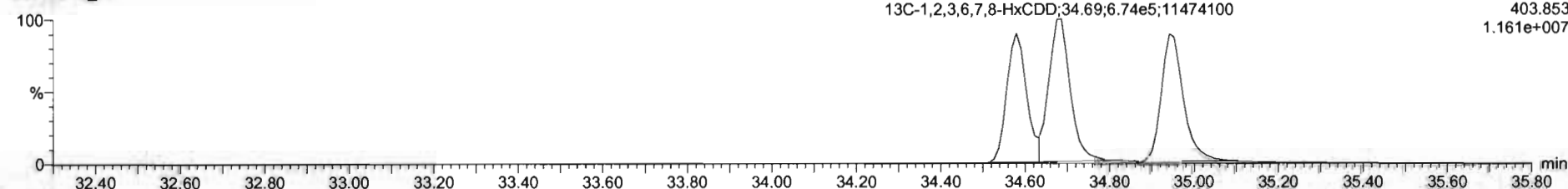


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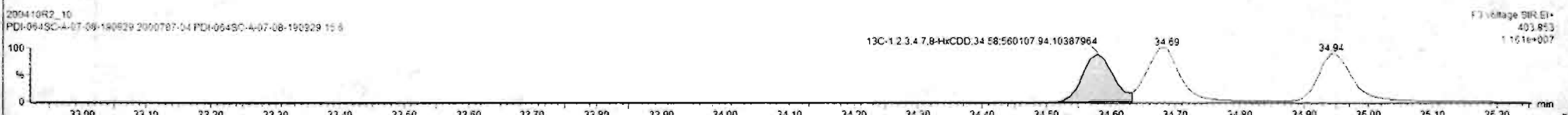
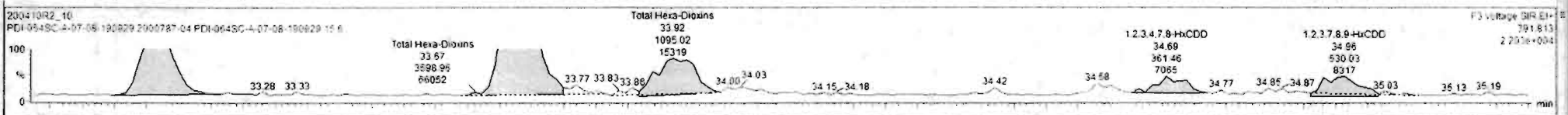
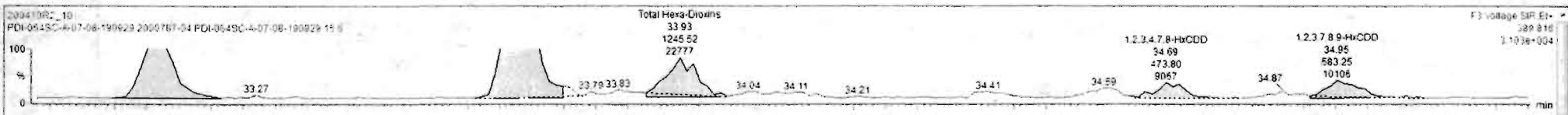
200410R2_10



200410R2_10



Name	Resp	RA	nly	RRF	w/wal	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.077			1.64	0.0423	1.64	
40 Total Penta-Dioxins				0.9212	10.077			1.21	0.0365	1.21	
41 Total Hexa-Dioxins				0.9844	10.077			2.32	0.0453	2.32	
42 Total Hepta-Dioxins				1.0061	10.077			1.94	0.0648	1.94	
43 Total Tetra-Furans				0.9154	10.077			1.40	0.0430	1.63	
44 1st Func. Penta-Furans				0.9594	10.077			0.800	0.00688	0.0515	
45 Total Penta-Furans				0.9594	10.077			0.255	0.0319	0.325	
46 Total Hexa-Furans				1.0920	10.077			0.335	0.0210	0.335	
47 Total Hepta-Furans				1.0483	10.077			0.000	0.0195	0.113	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



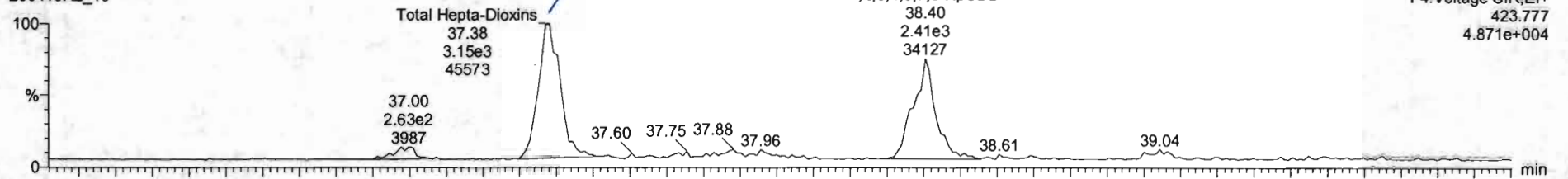
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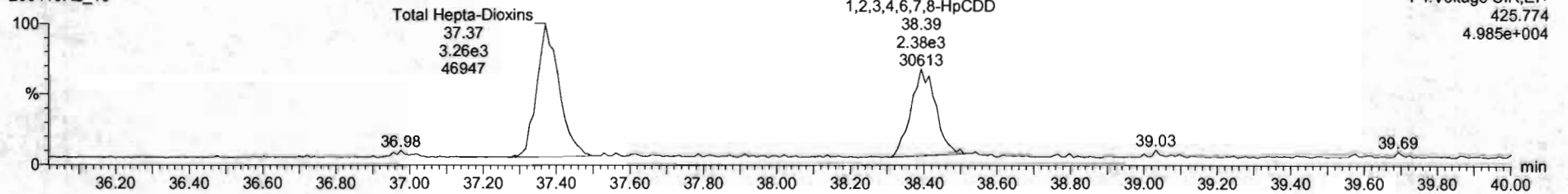
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1,2,3,4,6,7,8-HpCDD

200410R2_10

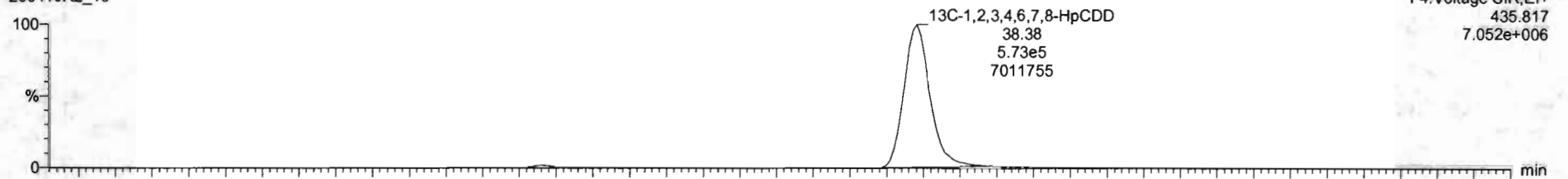


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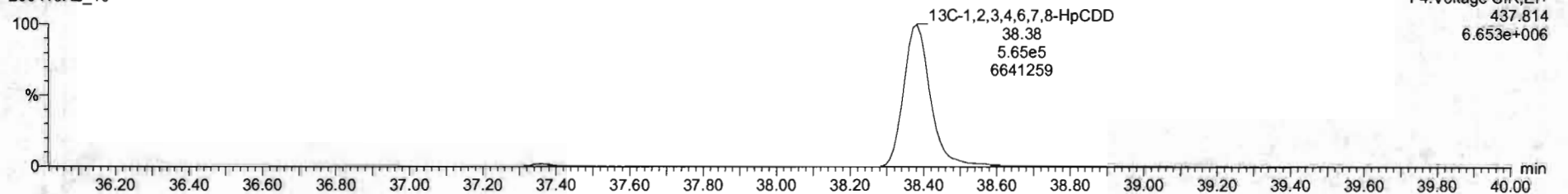


13C-1,2,3,4,6,7,8-HpCDD

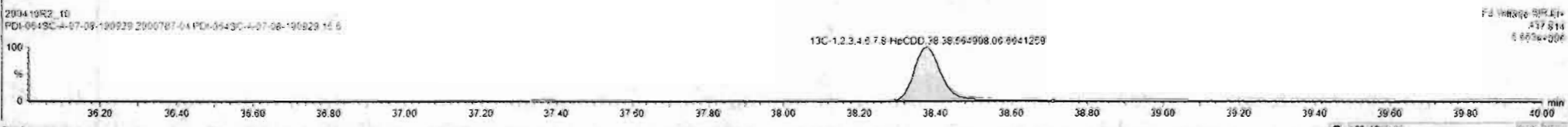
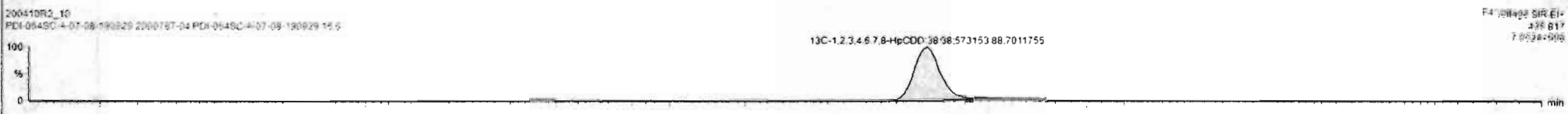
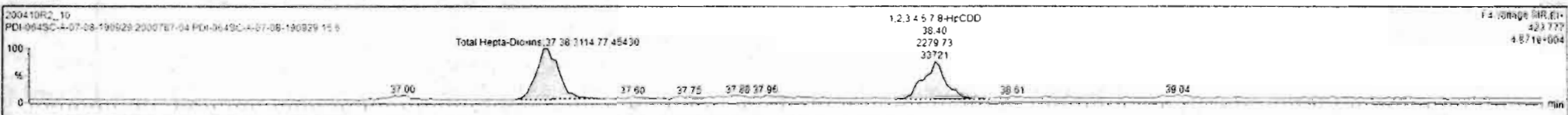
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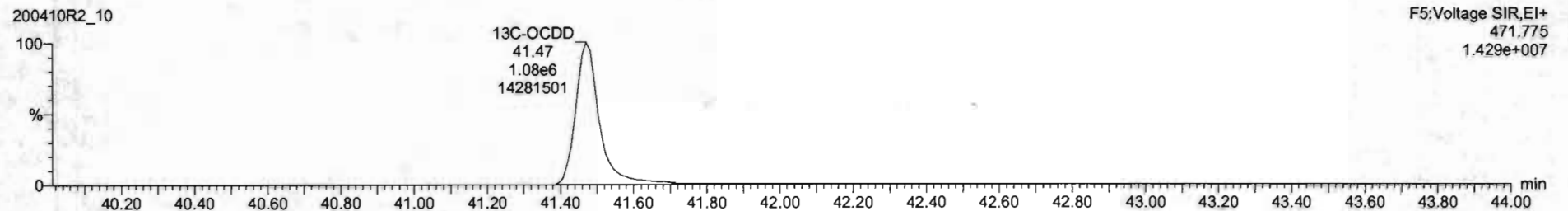
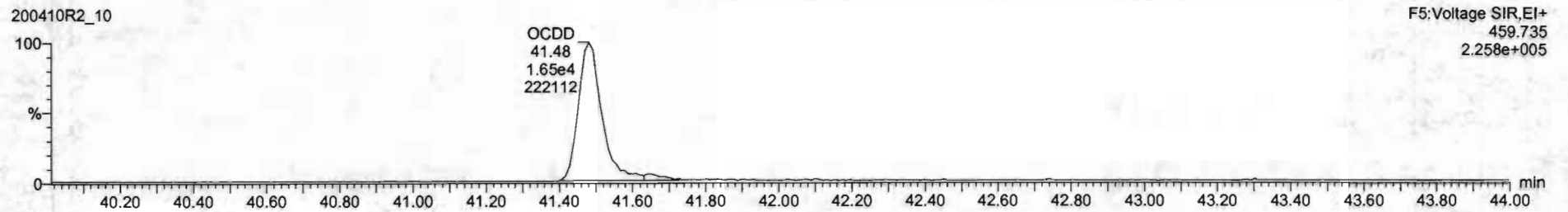
Name	Resp	RA	ndy	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9825	10.077			1.64	0.0423	1.64	
40 Total Penta-Dioxins				0.8212	10.077			1.21	0.0385	1.21	
41 Total Hexa-Dioxins				0.9844	10.077			2.32	0.0453	2.32	
42 Total Hepta-Dioxins				1.0061	10.077			1.91	0.0646	1.91	
43 Total Tetra-Furans				0.9154	10.077			1.40	0.0430	1.40	
44 1st Func. Penta-Furans				0.9554	10.077			0.000	0.00668	0.0515	
45 Total Penta-Furans				0.9554	10.077			0.256	0.0319	0.325	
46 Total Hexa-Furans				1.0920	10.077			0.335	0.0210	0.335	
47 Total Hepta-Furans				1.0483	10.077			0.000	0.0192	0.112	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



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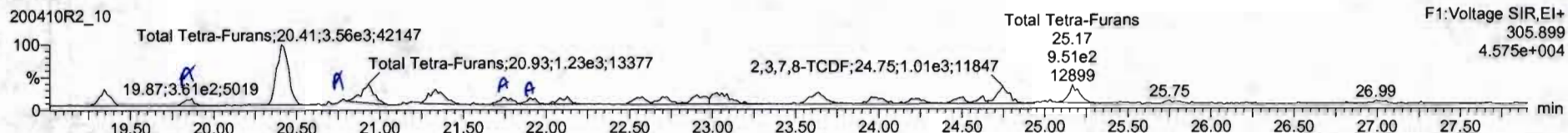
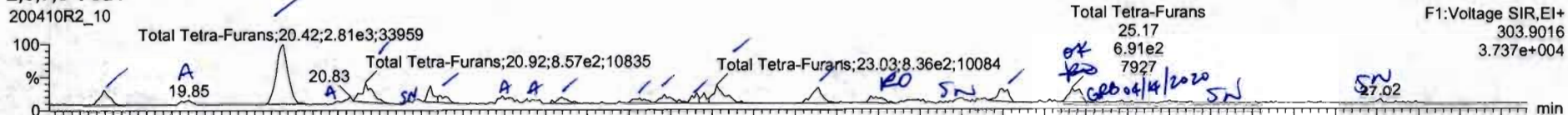


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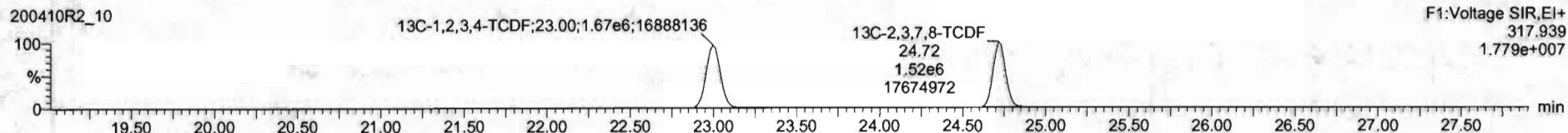
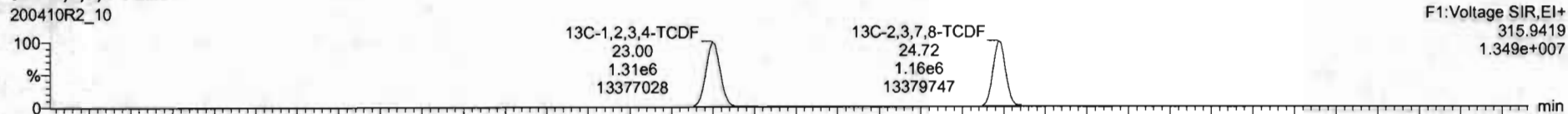
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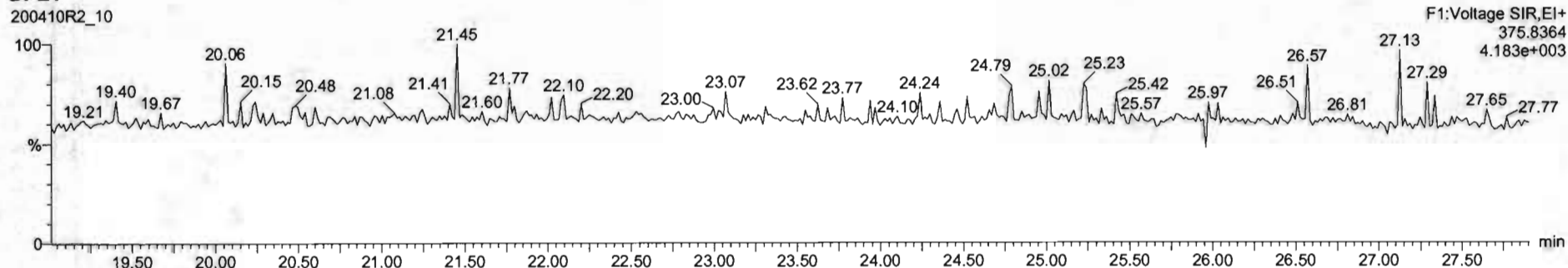
2,3,7,8-TCDF



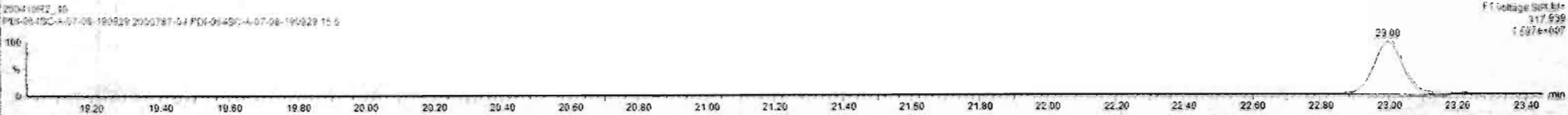
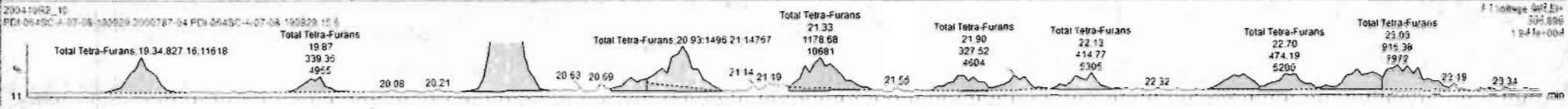
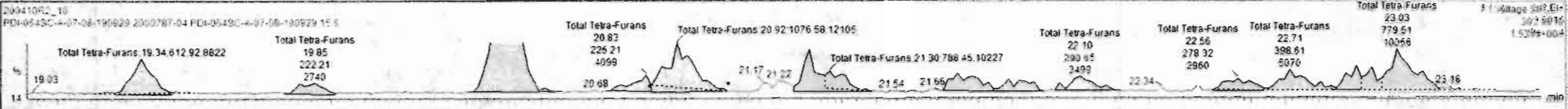
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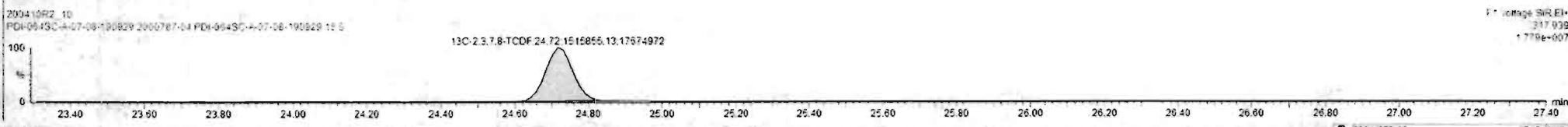
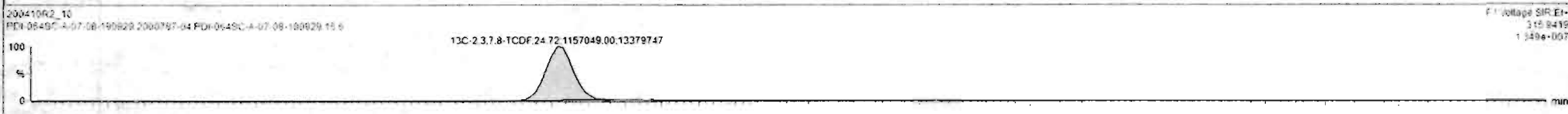
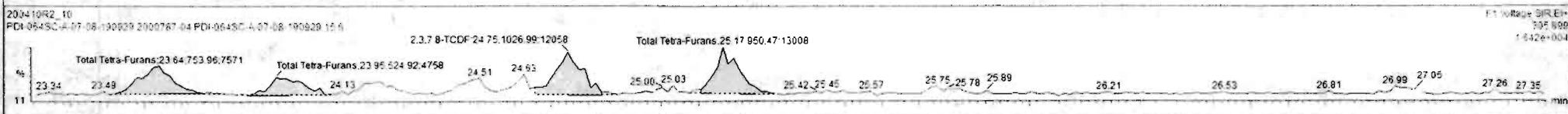
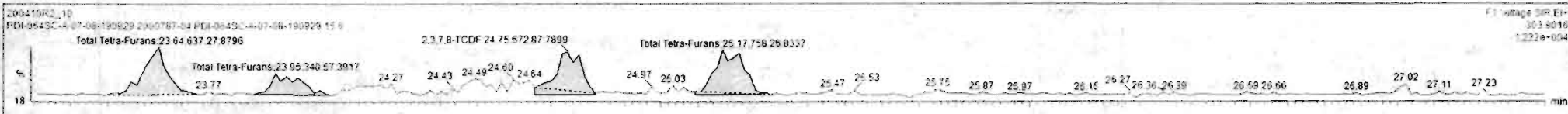
DPE1



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.077			1.64	0.0423	1.64	
40 Total Penta-Dioxins				0.9212	10.077			1.21	0.0385	1.21	
41 Total Hexa-Dioxins				0.9844	10.077			2.32	0.0453	2.32	
42 Total Hepta-Dioxins				1.0061	10.077			1.91	0.0548	1.91	
43 Total Tetra-Furans				0.9154	10.077			1.94	0.0430	2.04	
44 1st Func. Penta-Furans				0.9594	10.077			0.000	0.00668	0.2515	
45 Total Penta-Furans				0.9594	10.077			0.255	0.0319	0.325	
46 Total Hexa-Furans				1.0920	10.077			0.335	0.0210	0.335	
47 Total Hepta-Furans				1.0482	10.077			0.600	0.0195	0.113	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.077			1.84	0.0423	1.84	
40 Total Penta-Dioxins				0.9212	10.077			1.21	0.0365	1.21	
41 Total Hexa-Dioxins				0.9844	10.077			2.32	0.0453	2.32	
42 Total Hepta-Dioxins				1.0061	10.077			1.91	0.0646	1.91	
43 Total Tetra-Furans				0.9154	10.077			2.01	0.0430	2.07	
44 1st Func. Penta-Furans				0.9594	10.077			0.060	0.00668	0.0515	
45 Total Penta-Furans				0.9594	10.077			0.256	0.0319	0.326	
46 Total Hexa-Furans				1.0929	10.077			0.336	0.0210	0.336	
47 Total Hepta-Furans				1.0482	10.077			0.000	0.0195	0.113	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



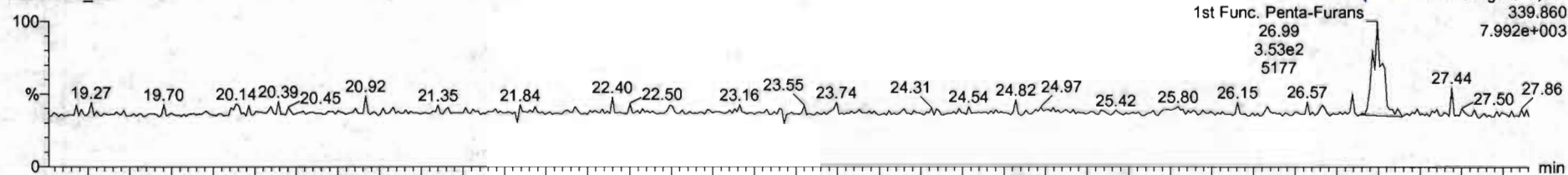
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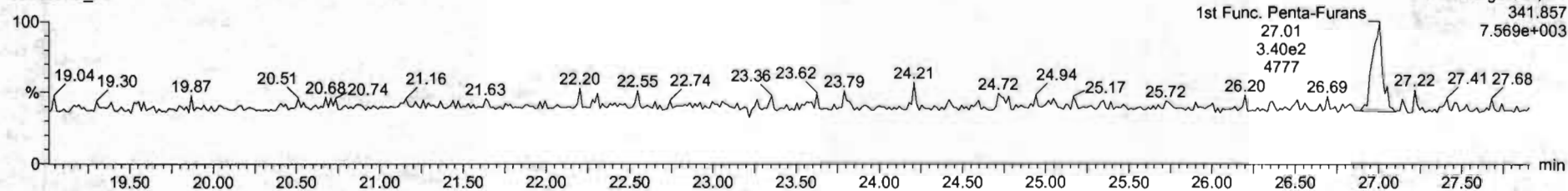
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1st Func. Penta-Furans

200410R2_10

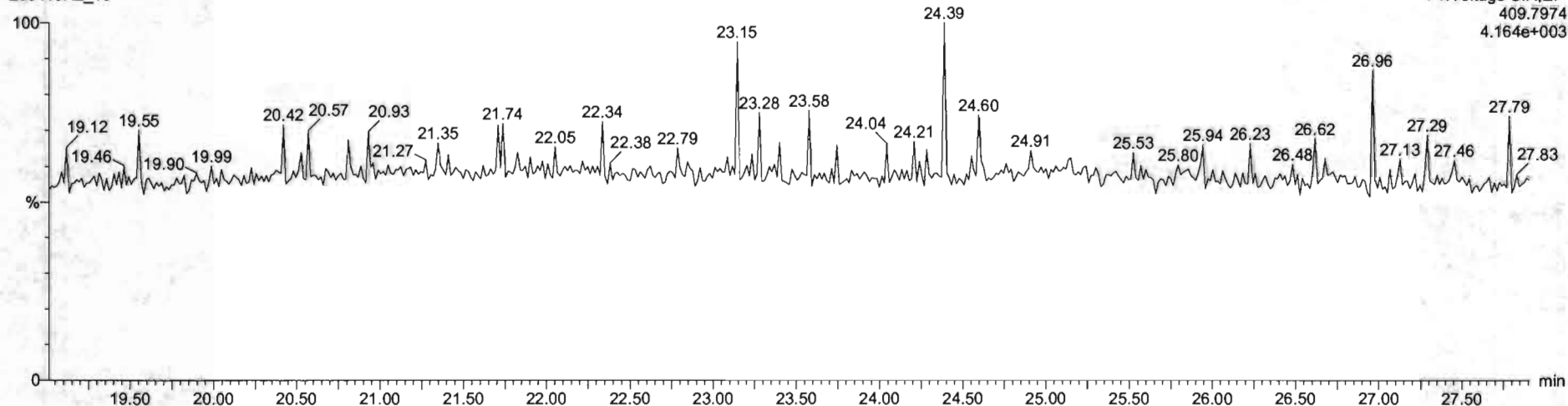


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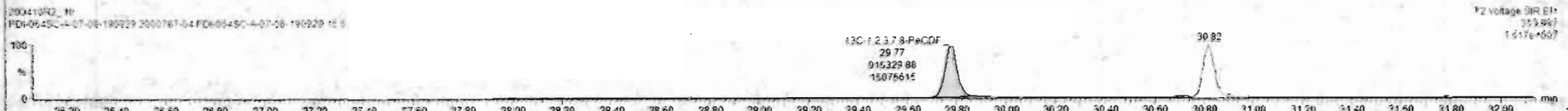


DPE6

200410R2_10



Name	Resp	RA	nly	RRF	wtVof	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9835	10.077			1.64	0.0423	1.64	
40 Total Penta-Dioxins				0.9212	10.077			1.21	0.0385	1.21	
41 Total Hexa-Dioxins				0.9644	10.077			2.32	0.0453	2.32	
42 Total Hepta-Dioxins				1.0061	10.077			1.91	0.0646	1.91	
43 Total Tetra-Furans				0.9154	10.077			2.01	0.0430	2.07	
44 1st Func. Penta-Furans				0.9594	10.077			0.000	0.00568	0.0479	
45 Total Penta-Furans				0.9594	10.077			0.256	0.0319	0.325	
46 Total Hexa-Furans				1.0520	10.077			0.335	0.0210	0.335	
47 Total Hepta-Furans				1.0483	10.077			0.000	0.0195	0.113	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



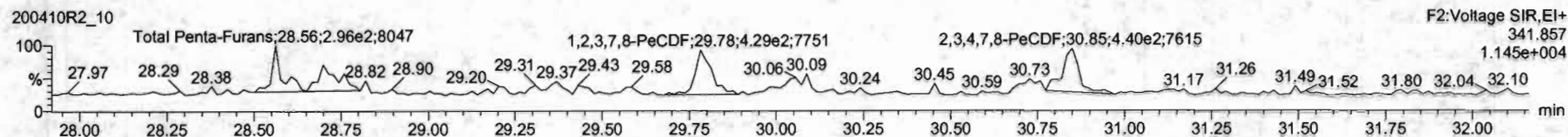
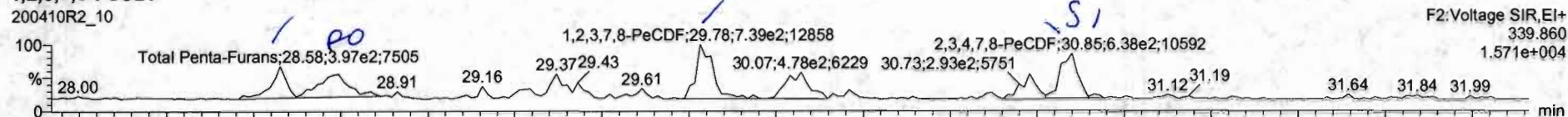
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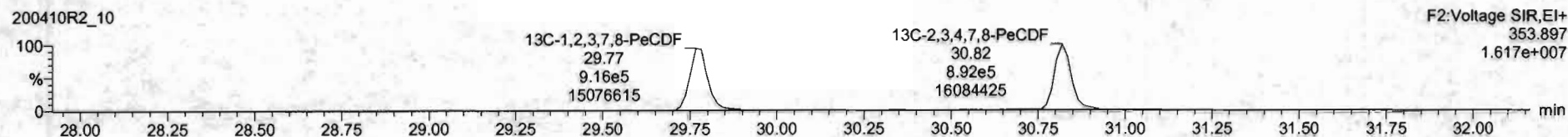
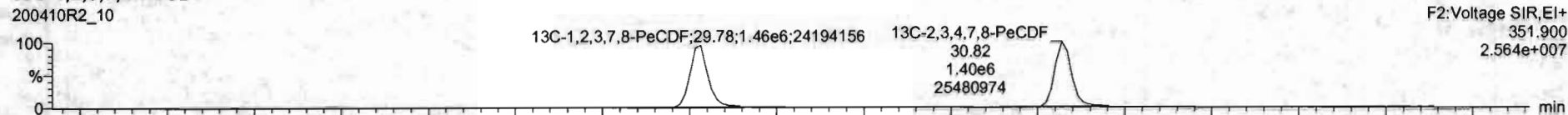
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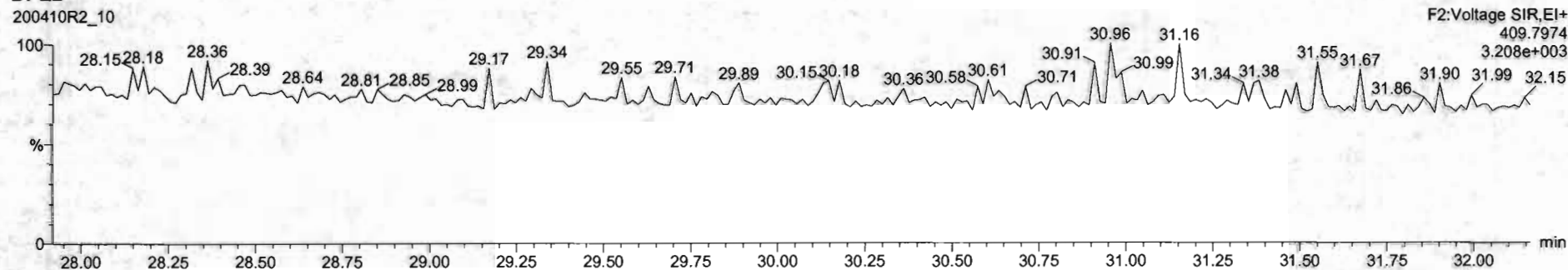
1,2,3,7,8-PeCDF



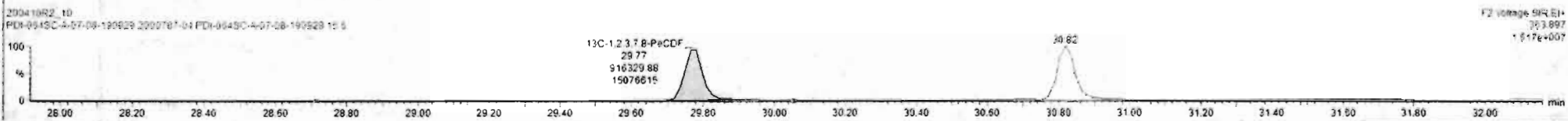
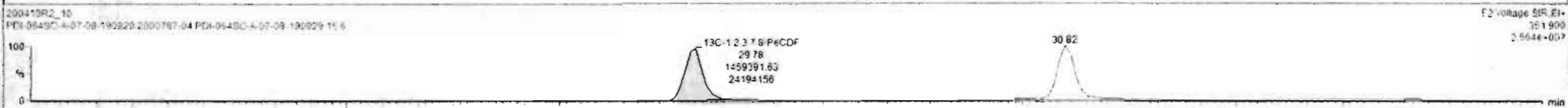
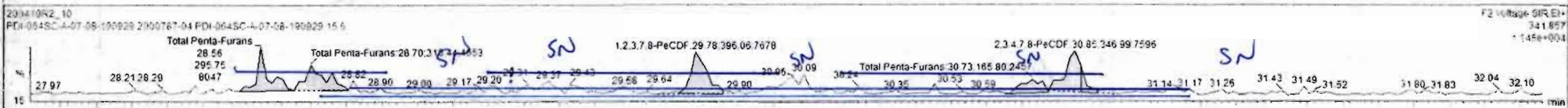
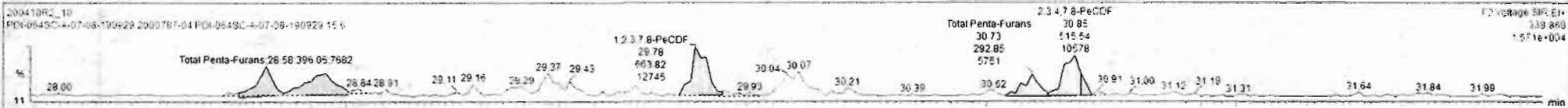
13C-1,2,3,7,8-PeCDF



DPE2



#	Name	Resp	RA	ntz	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9835	10.077			1.64		0.0423	1.64
40	Total Penta-Dioxins				0.9212	10.077			1.21		0.0385	1.21
41	Total Hexa-Dioxins				0.9644	10.077			2.32		0.0453	2.32
42	Total Hepta-Dioxins				1.0061	10.077			1.91		0.0646	1.91
43	Total Tetra-Furans				0.9154	10.077			2.61		0.0430	2.61
44	1st Func. Penta-Furans				0.9594	10.077			0.000		0.00668	0.0479
45	Total Penta-Furans				0.9594	10.077			0.283		0.0318	0.354
46	Total Hexa-Furans				1.0520	10.077			0.335		0.0210	0.335
47	Total Hepta-Furans				1.0483	10.077			0.000		0.0195	0.113
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											



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200410R2_10 CAP NUM

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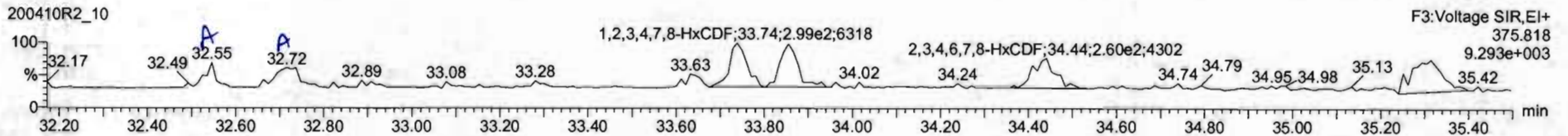
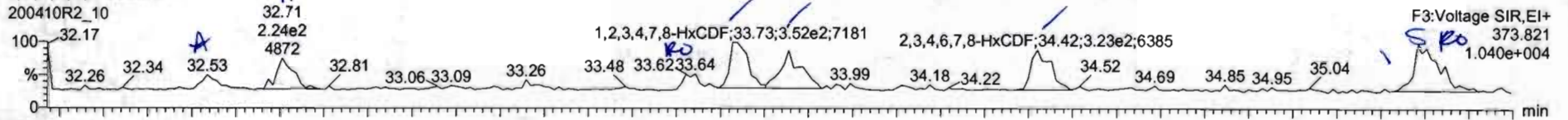
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time

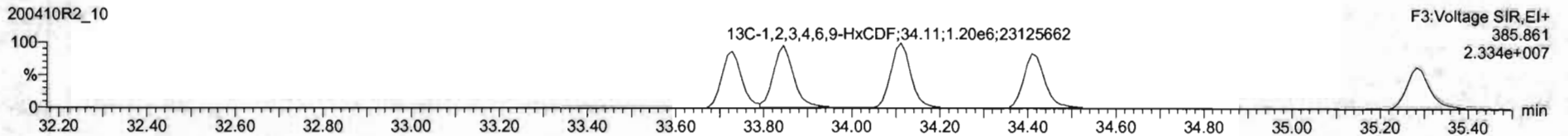
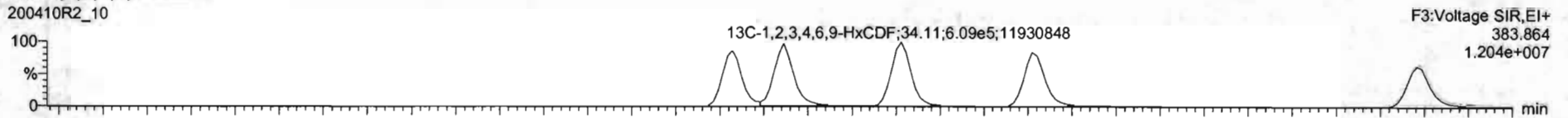
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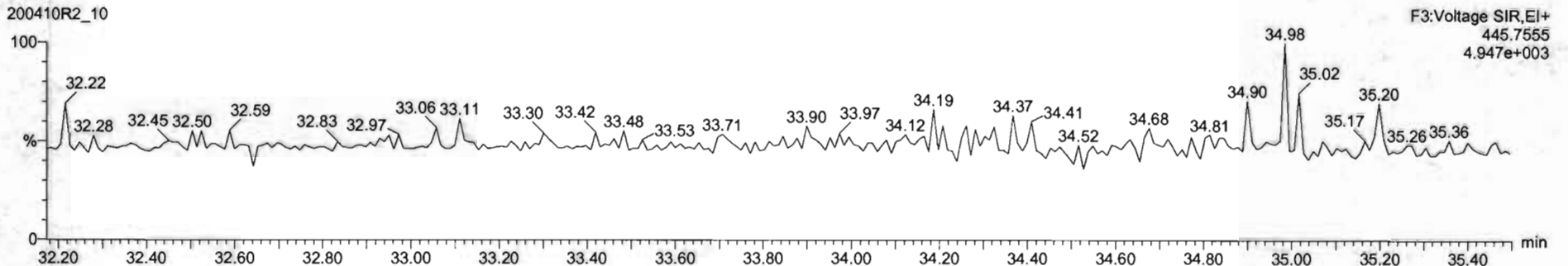
1,2,3,4,7,8-HxCDF



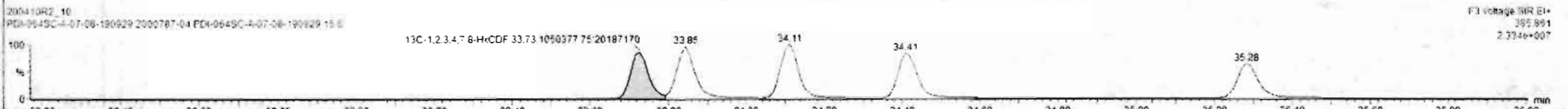
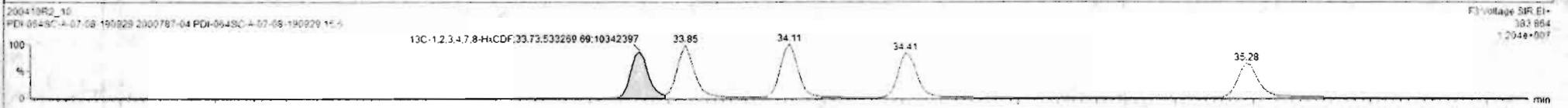
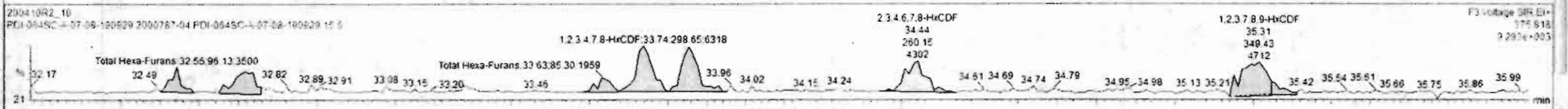
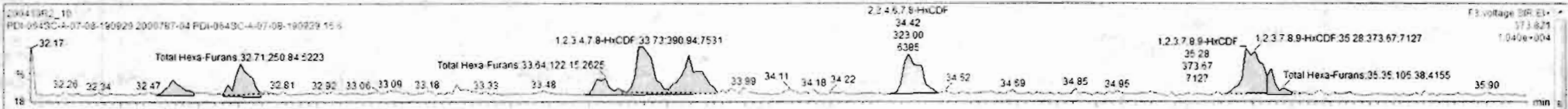
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	nty	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9826	10.077			1.64	0.0423	1.64	
40 Total Penta-Dioxins				0.9212	10.077			1.21	0.0385	1.21	
41 Total Hexa-Dioxins				0.9844	10.077			2.32	0.0453	2.32	
42 Total Hepta-Dioxins				1.0061	10.077			1.91	0.0646	1.91	
43 Total Tetra-Furans				0.9154	10.077			2.01	0.0420	2.97	
44 1st Func. Penta-Furans				0.9564	10.077			0.900	0.00668	0.9479	
45 Total Penta-Furans				0.9594	10.077			0.242	0.0319	0.314	
46 Total Hexa-Furans				1.0920	10.077			0.395	0.0210	0.432	
47 Total Hepta-Furans				1.0482	10.077			0.060	0.0195	0.112	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

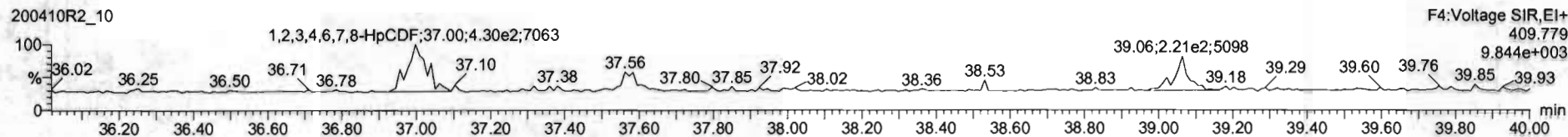
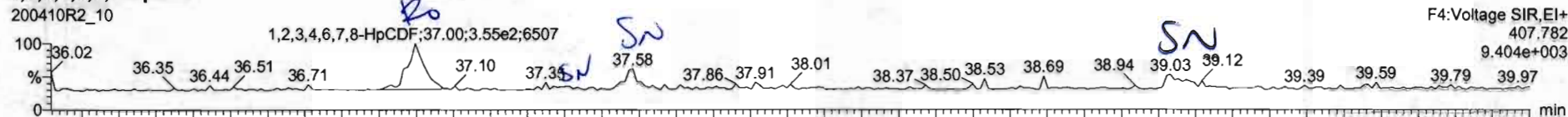


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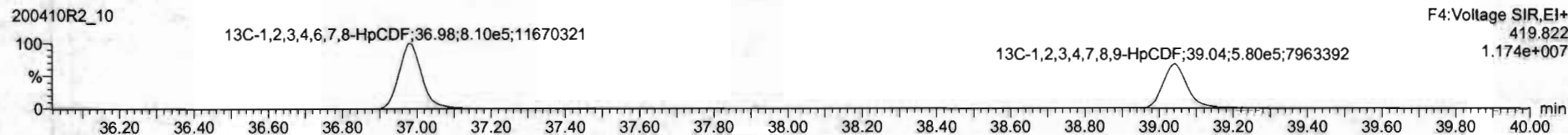
Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
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Name: 200410R2_10, Date: 11-Apr-2020, Time: 03:54:39, ID: 2000787-04 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929

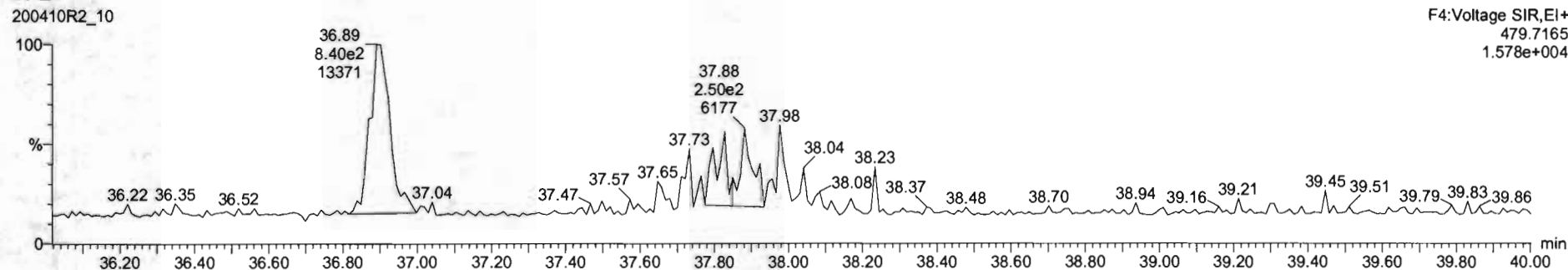
1,2,3,4,6,7,8-HpCDF



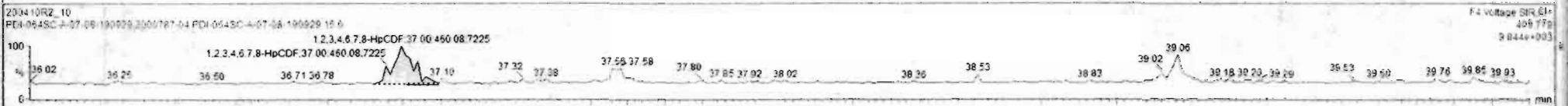
13C-1,2,3,4,6,7,8-HpCDF



DPE4



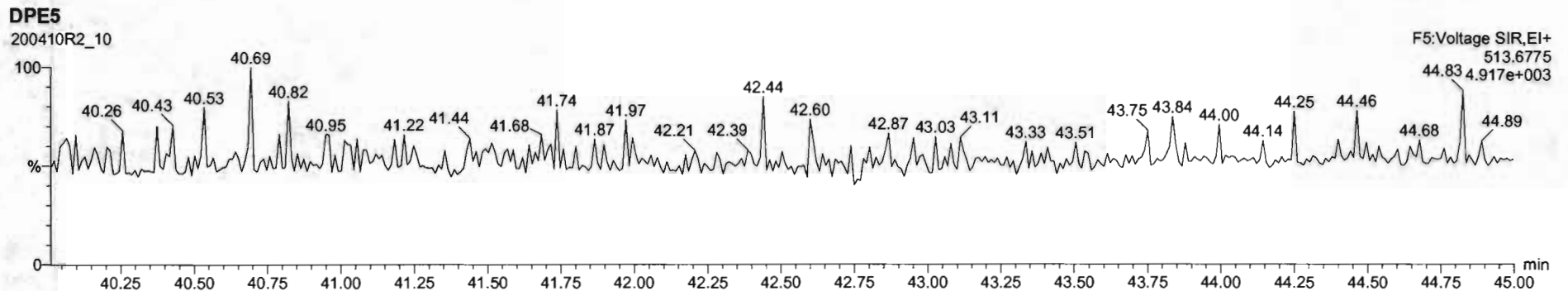
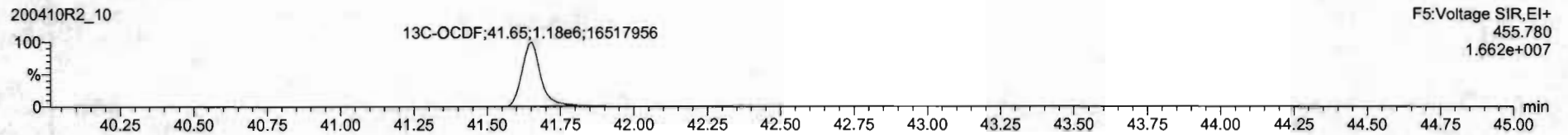
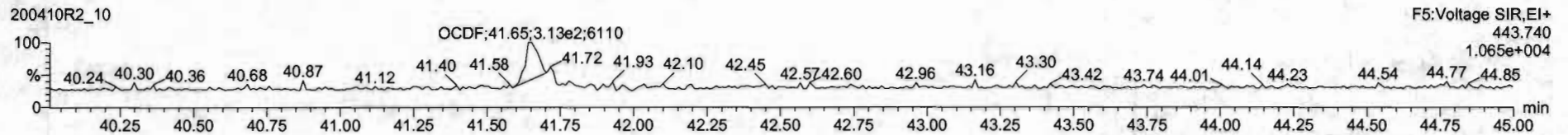
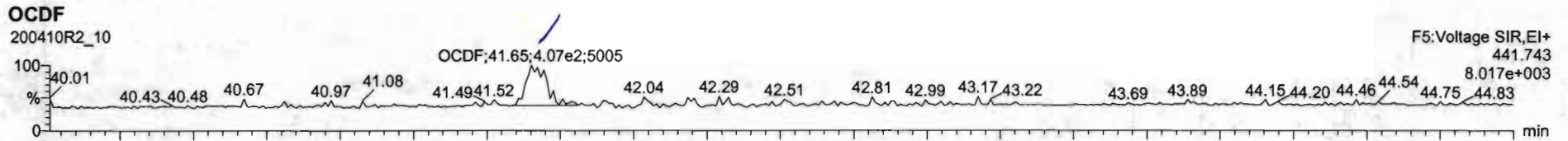
#	Name	Resp	RA	nly	RRF	wVof	RT	RRT	Conc	%Rec	DL	EMPC
38	Total Tetra-Dioxins				0.9835	10.077			1.64		0.0423	1.64
40	Total Penta-Dioxins				0.9212	10.077			1.21		0.0385	1.21
41	Total Hexa-Dioxins				0.9844	10.077			2.32		0.0453	2.32
42	Total Hepta-Dioxins				1.0051	10.077			1.91		0.0648	1.91
43	Total Tetra-Furans				0.9154	10.077			2.01		0.0430	2.07
44	1st Func. Penta-Furans				0.9594	10.077			0.000		0.00668	0.0479
45	Total Penta-Furans				0.9594	10.077			0.242		0.0319	0.314
46	Total Hexa-Furans				1.0920	10.077			0.395		0.0210	0.432
47	Total Hepta-Furans				1.0483	10.077			0.000		0.0195	0.107
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											



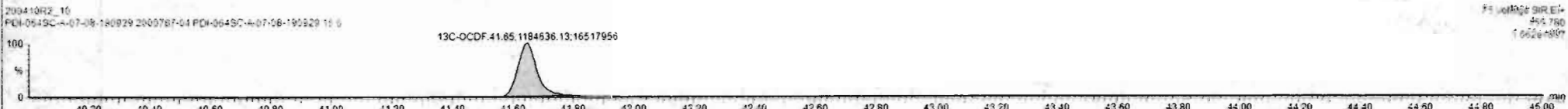
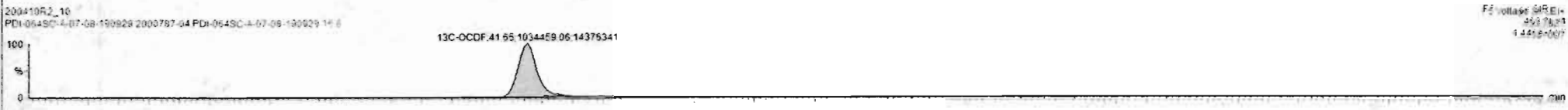
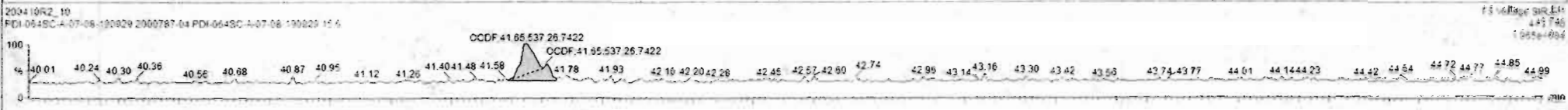
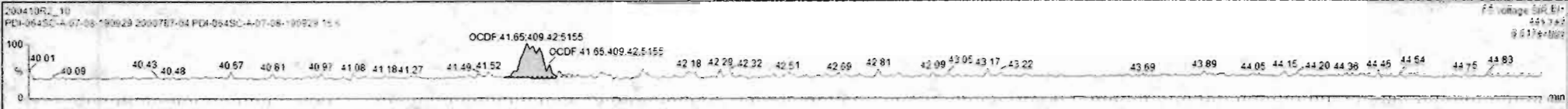
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_10, Date: 11-Apr-2020, Time: 03:54:39, ID: 2000787-04 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929



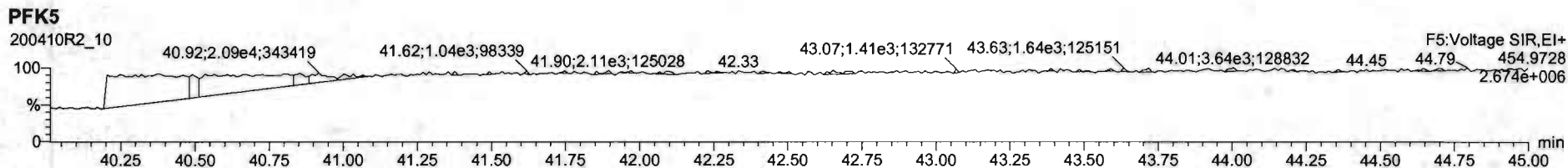
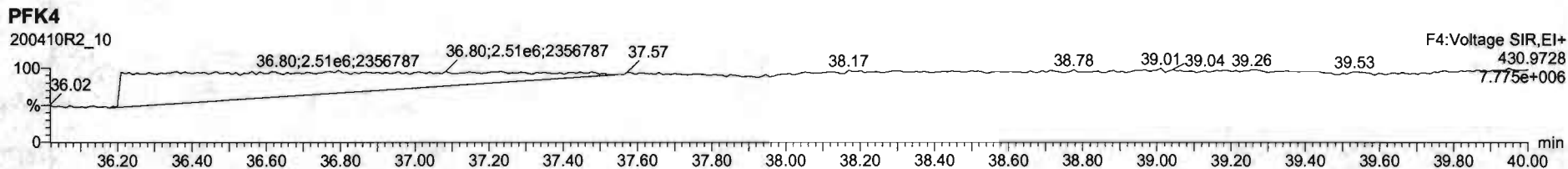
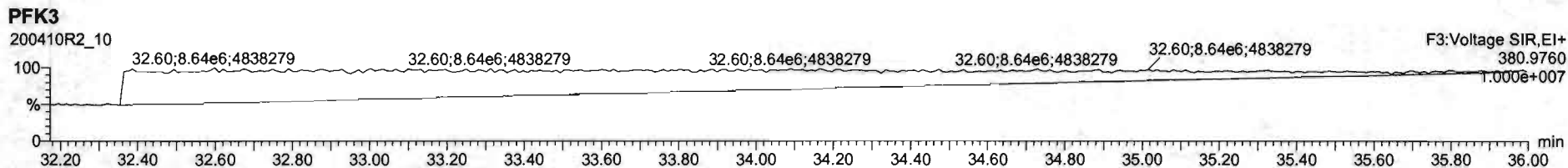
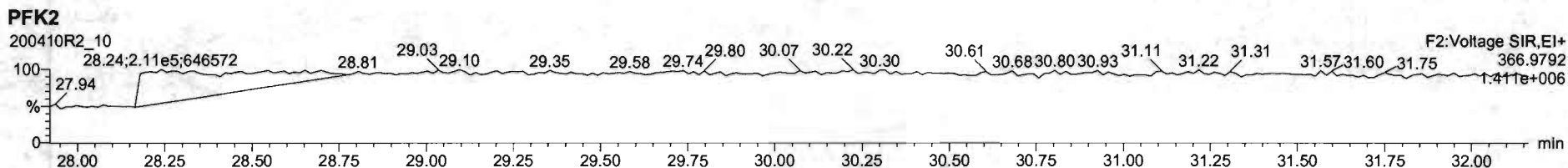
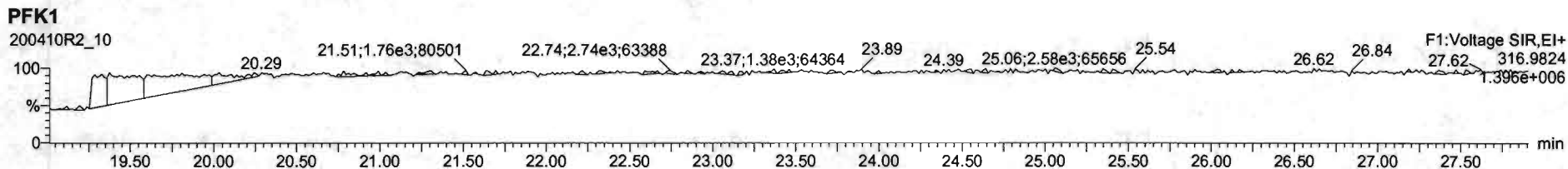
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	3.04e4	0.85	NO	1.0515	10.077	41.48	1.000	5.74	0.0705	5.74
8	2,3,7,8-TCDF	1.54e3	0.53	YES	0.9154	10.077	24.75	1.001	0.125	0.0430	0.100
9	1,2,3,7,8-PeCDF	1.17e3	1.72	NO	0.9594	10.077	29.78	1.000	0.102	0.0328	0.102
10	2,3,4,7,8-PeCDF	1.09e3	1.45	NO	1.0035	10.077	30.65	1.001	0.0929	0.0296	0.0929
11	1,2,3,4,7,8-HxCDF	6.51e2	1.18	NO	1.0381	10.077	32.73	1.000	0.0786	0.0207	0.0786
12	1,2,3,6,7,8-HxCDF	6.15e2	1.09	NO	1.0126	10.077	33.66	1.000	0.0687	0.0168	0.0687
13	2,3,4,6,7,8-HxCDF	5.83e2	1.24	NO	1.0920	10.077	34.42	1.000	0.0661	0.0205	0.0661
14	1,2,3,7,8,9-HxCDF	6.69e2	1.28	NO	1.0268	10.077	35.28	1.000	0.121	0.0293	0.121
15	1,2,3,4,6,7,8-HpCDF	7.85e2	0.83	YES	1.0483	10.077	37.00	1.001	0.127	0.0354	0.113
16	1,2,3,4,7,8,9-HpCDF			NO	1.2059	10.077				0.0442	
17	OCDF	9.47e2	0.76	NO	0.9468	10.077	41.85	1.000	0.179	0.0416	0.179
18	13C-2,3,7,8-TCDD	2.10e6	0.78	NO	1.1842	10.077	25.75	1.030	176	88.8	0.164
19	13C-1,2,3,7,8-PeCDD	1.65e6	0.63	NO	0.8644	10.077	31.14	1.246	190	95.8	0.222
20	13C-1,2,3,4,7,8-HxCDD	1.27e6	1.27	NO	0.7529	10.077	34.58	1.014	166	93.5	0.238
21	13C-1,2,3,6,7,8-HxCDD	1.53e6	1.28	NO	0.9254	10.077	34.65	1.017	162	91.7	0.194
22	13C-1,2,3,7,8,9-HxCDD	1.38e6	1.22	NO	0.8254	10.077	34.94	1.024	183	92.0	0.217
23	13C-1,2,3,4,6,7,8-HpCDD	1.14e6	1.01	NO	0.5982	10.077	38.36	1.125	209	105	0.287
24	13C-OCDD	2.00e6	0.86	NO	0.5712	10.077	41.47	1.216	366	97.2	0.330
25	13C-2,3,7,8-TCDF	2.67e6	0.76	NO	1.0663	10.077	24.72	0.989	164	62.4	0.220
26	13C-1,2,3,7,8-PeCDF	2.36e6	1.59	NO	0.8763	10.077	29.76	1.191	181	91.1	0.301



Dataset: Untitled

Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_10, Date: 11-Apr-2020, Time: 03:54:39, ID: 2000787-04 PDI-064SC-A-07-08-190929 15.6, Description: PDI-064SC-A-07-08-190929



Dataset: U:\VG12.PRO\Results\200410R2\200410R2-11.qld

Last Altered: Tuesday, April 14, 2020 11:26:23 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 11:26:57 Pacific Daylight Time

GRB 04/14/2020

CT 04/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929

#	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	0.983	10.071	25.796		1.001				0.0344	
2	2 1,2,3,7,8-PeCDD			NO	0.921	10.071	31.162		1.001				0.0402	
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.071	34.590		1.000				0.0328	
4	4 1,2,3,6,7,8-HxCDD			NO	0.984	10.071	34.687		1.000				0.0326	
5	5 1,2,3,7,8,9-HxCDD			NO	0.967	10.071	34.963		1.000				0.0377	
6	6 1,2,3,4,6,7,8-HpCDD	2.33e3	1.05	NO	1.01	10.071	38.395	38.39	1.000	1.000	0.33339		0.0735	0.333
7	7 OCDD	1.27e4	0.86	NO	1.05	10.071	41.493	41.50	1.000	1.000	1.9799		0.0780	1.98
8	8 2,3,7,8-TCDF	9.07e2	0.77	NO	0.915	10.071	24.772	24.75	1.001	1.000	0.061641		0.0331	0.0616
9	9 1,2,3,7,8-PeCDF			NO	0.959	10.071	29.803		1.001				0.0253	
10	10 2,3,4,7,8-PeCDF			NO	1.00	10.071	30.851		1.001				0.0238	
11	11 1,2,3,4,7,8-HxCDF			NO	1.04	10.071	33.728		1.000				0.0208	
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	10.071	33.856		1.000				0.0202	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.071	34.455		1.001				0.0219	
14	14 1,2,3,7,8,9-HxCDF	3.85e2	0.90	YES	1.03	10.071	35.294	35.30	1.000	1.000	0.045492		0.0309	0.0389
15	15 1,2,3,4,6,7,8-HpCDF	4.92e2	0.90	NO	1.05	10.071	37.024	37.00	1.001	1.000	0.066859		0.0196	0.0669
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.071	39.043		1.000				0.0408	
17	17 OCDF	6.93e2	0.82	NO	0.947	10.071	41.674	41.69	1.000	1.001	0.10792		0.0368	0.108
18	18 13C-2,3,7,8-TCDD	2.55e6	0.79	NO	1.18	10.071	25.735	25.76	1.029	1.030	188.54	94.9	0.140	
19	19 13C-1,2,3,7,8-PeCDD	1.93e6	0.63	NO	0.864	10.071	30.919	31.14	1.236	1.245	195.67	98.5	0.198	
20	20 13C-1,2,3,4,7,8-HxCDD	1.47e6	1.26	NO	0.754	10.071	34.586	34.58	1.014	1.014	190.12	95.7	0.226	
21	21 13C-1,2,3,6,7,8-HxCDD	1.81e6	1.26	NO	0.925	10.071	34.695	34.69	1.017	1.017	191.72	96.5	0.184	
22	22 13C-1,2,3,7,8,9-HxCDD	1.64e6	1.25	NO	0.829	10.071	34.958	34.95	1.025	1.025	193.48	97.4	0.205	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.38e6	1.05	NO	0.598	10.071	38.431	38.38	1.127	1.125	225.43	114	0.337	
24	24 13C-OCDD	2.43e6	0.93	NO	0.571	10.071	41.593	41.49	1.219	1.216	415.54	105	0.288	
25	25 13C-2,3,7,8-TCDF	3.19e6	0.77	NO	1.09	10.071	24.757	24.75	0.990	0.989	173.62	87.4	0.166	
26	26 13C-1,2,3,7,8-PeCDF	2.77e6	1.59	NO	0.876	10.071	29.590	29.78	1.183	1.190	187.13	94.2	0.241	
27	27 13C-2,3,4,7,8-PeCDF	2.67e6	1.60	NO	0.844	10.071	30.601	30.82	1.223	1.232	187.34	94.3	0.250	
28	28 13C-1,2,3,4,7,8-HxCDF	1.84e6	0.51	NO	1.00	10.071	33.730	33.73	0.989	0.989	180.12	90.7	0.333	
29	29 13C-1,2,3,6,7,8-HxCDF	2.08e6	0.51	NO	1.12	10.071	33.839	33.85	0.992	0.992	182.23	91.8	0.298	
30	30 13C-2,3,4,6,7,8-HxCDF	1.92e6	0.53	NO	1.04	10.071	34.422	34.42	1.009	1.009	181.39	91.3	0.322	
31	31 13C-1,2,3,7,8,9-HxCDF	1.64e6	0.52	NO	0.873	10.071	35.299	35.29	1.035	1.035	183.51	92.4	0.382	

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-11.qld

Last Altered: Tuesday, April 14, 2020 11:26:23 Pacific Daylight Time

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Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.39e6	0.43	NO	0.771	10.071	37.022	36.99	1.085	1.084	176.91	89.1	0.277	
33	13C-1,2,3,4,7,8,9-HpCDF	1.03e6	0.44	NO	0.519	10.071	39.116	39.04	1.147	1.145	194.38	97.9	0.411	
34	13C-OCDF	2.69e6	0.86	NO	0.696	10.071	41.774	41.67	1.225	1.222	378.25	95.2	0.250	
35	37Cl-2,3,7,8-TCDD	9.67e5			1.17	10.071	25.745	25.78	1.029	1.030	72.173	90.9	0.0306	
36	13C-1,2,3,4-TCDD	2.27e6	0.80	NO	1.00	10.071	25.050	25.02	1.000	1.000	198.59	100	0.166	
37	13C-1,2,3,4-TCDF	3.35e6	0.78	NO	1.00	10.071	23.190	23.03	1.000	1.000	198.59	100	0.181	
38	13C-1,2,3,4,6,9-HxCDF	2.03e6	0.50	NO	1.00	10.071	34.040	34.11	1.000	1.000	198.59	100	0.333	
39	Total Tetra-Dioxins				0.983	10.071	24.620		0.000		0.13373		0.0344	0.134
40	Total Penta-Dioxins				0.921	10.071	29.960		0.000		0.00000		0.0180	0.0369
41	Total Hexa-Dioxins				0.984	10.071	33.635		0.000		0.32330		0.0356	0.323
42	Total Hepta-Dioxins				1.01	10.071	37.640		0.000		0.70961		0.0735	0.710
43	Total Tetra-Furans				0.915	10.071	23.610		0.000		0.17648		0.0331	0.317
44	1st Func. Penta-Furans				0.959	10.071	27.090		0.000		0.033991		0.00372	0.0340
45	Total Penta-Furans				0.959	10.071	29.275		0.000				0.00948	
46	Total Hexa-Furans				1.09	10.071	33.555		0.000		0.00000		0.0115	0.0560
47	Total Hepta-Furans				1.05	10.071	37.835		0.000		0.066859		0.0235	0.0669

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-11.qld

Last Altered: Tuesday, April 14, 2020 11:26:23 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 11:26:57 Pacific Daylight Time

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Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.35	4.471e3	6.556e3	3.895e2	5.248e2	0.74	NO	9.143e2	0.072481	0.072481	0.0344
2	Total Tetra-Dioxins	23.27	4.053e3	5.289e3	3.497e2	4.228e2	0.83	NO	7.726e2	0.061244	0.061244	0.0344

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.78	6.680e3	5.774e3	2.944e2	2.028e2	1.45	YES	0.000e0	0.00000	0.036939	0.0402

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.11	1.530e4	1.384e4	8.615e2	7.369e2	1.17	NO	1.598e3	0.19658	0.19658	0.0356
2	Total Hexa-Dioxins	33.93	1.066e4	7.041e3	5.556e2	4.748e2	1.17	NO	1.030e3	0.12672	0.12672	0.0356

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.36	1.786e4	1.507e4	1.390e3	1.238e3	1.12	NO	2.628e3	0.37622	0.37622	0.0735
2	1,2,3,4,6,7,8-HpCDD	38.39	1.276e4	1.201e4	1.191e3	1.138e3	1.05	NO	2.329e3	0.33339	0.33339	0.0735

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.39	4.668e3	6.454e3	3.661e2	4.701e2	0.78	NO	8.361e2	0.056840	0.056840	0.0331
2	Total Tetra-Furans	20.45	9.930e3	1.813e4	9.005e2	1.513e3	0.60	YES	0.000e0	0.00000	0.14072	0.0331
3	Total Tetra-Furans	23.65	5.054e3	5.109e3	3.512e2	5.020e2	0.70	NO	8.531e2	0.057995	0.057995	0.0331
4	2,3,7,8-TCDF	24.75	4.378e3	6.236e3	3.952e2	5.116e2	0.77	NO	9.068e2	0.061641	0.061641	0.0331

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-11.qld

Last Altered: Tuesday, April 14, 2020 11:26:23 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 11:26:57 Pacific Daylight Time

Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929

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	26.99	5.675e3	1.975e3	2.742e2	1.720e2	1.59	NO	4.462e2	0.033991	0.033991	0.00372

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	35.30	5.264e3	4.059e3	1.825e2	2.029e2	0.90	YES	3.854e2	0.00000	0.038911	0.0309
2	Total Hexa-Furans	35.33	5.758e3	1.945e3	1.711e2	7.870e1	2.17	YES	0.000e0	0.00000	0.017135	0.0221

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.00	3.393e3	3.433e3	2.335e2	2.586e2	0.90	NO	4.921e2	0.066859	0.066859	0.0196

25
5

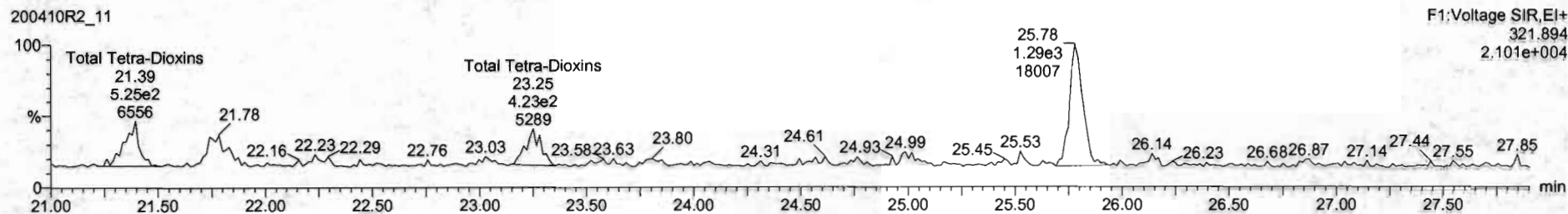
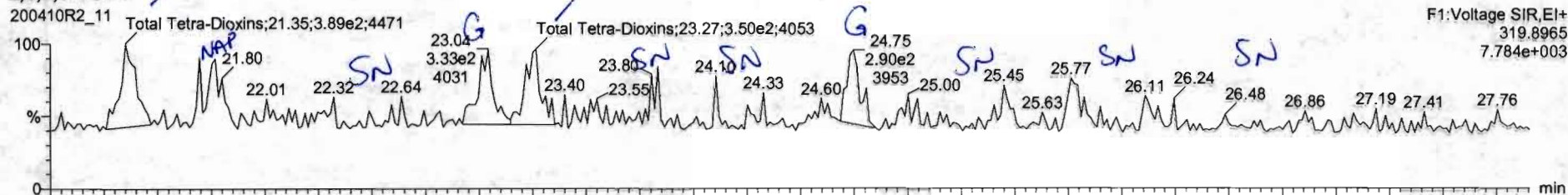
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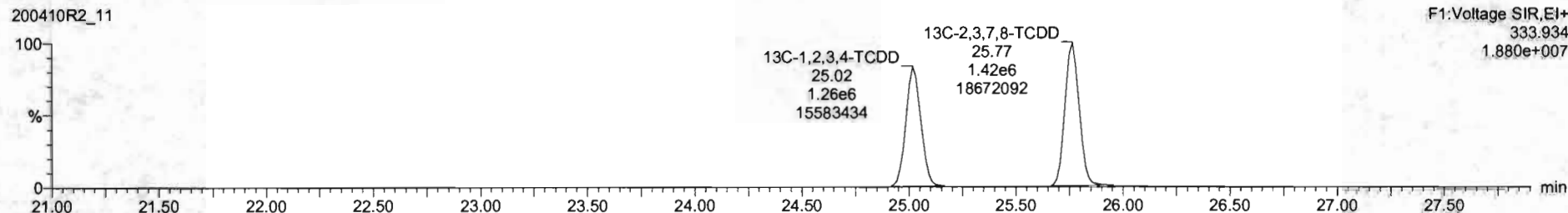
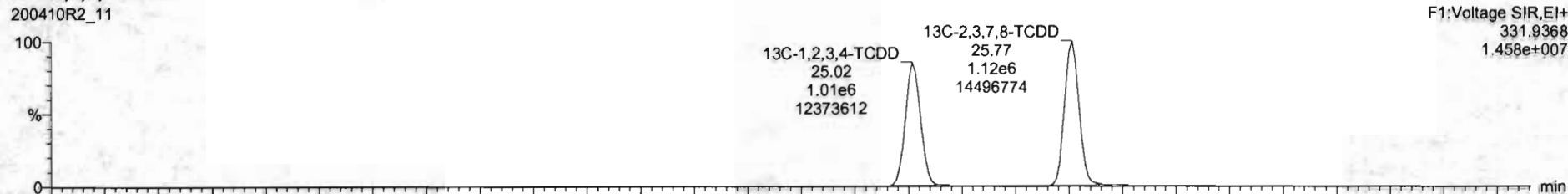
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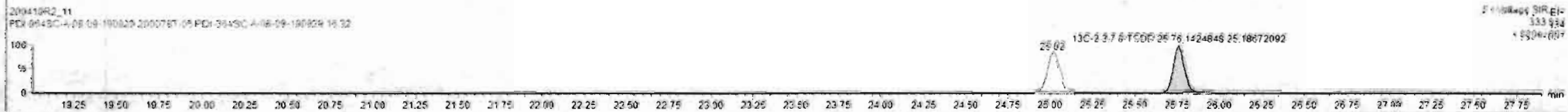
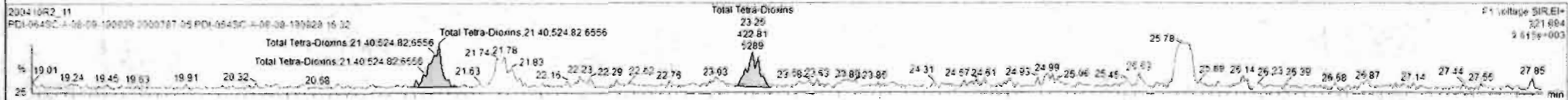
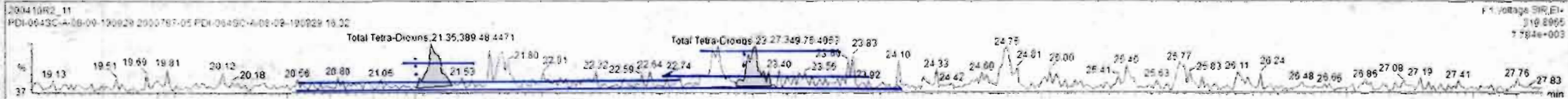
2,3,7,8-TCDD



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



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	ELMPC
38 13C-1,2,3,4,6,9-HxCDF	2.02e6	0.50	NO	1.0000	10.071	34.11	1.000	199	100	0.333	
39 Total Tetra-Dioxins				0.9835	10.071			0.134		0.0344	0.134
40 Total Penta-Dioxins				0.9212	10.071			0.000		0.0160	0.0389
41 Total Hexa-Dioxins				0.9844	10.071			0.254		0.0356	0.343
42 Total Hepta-Dioxins				1.0061	10.071			0.721		0.0735	0.721
43 Total Tetra-Furans				0.9154	10.071			0.121		0.0331	0.251
44 1st Func. Penta-Furans				0.9594	10.071					0.00372	
45 Total Penta-Furans				0.9594	10.071					0.00946	
46 Total Hexa-Furans				1.0920	10.071			0.0735		0.0221	0.0735
47 Total Hepta-Furans				1.0483	10.071					0.0235	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
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56 DPE4											
57 DPE5											
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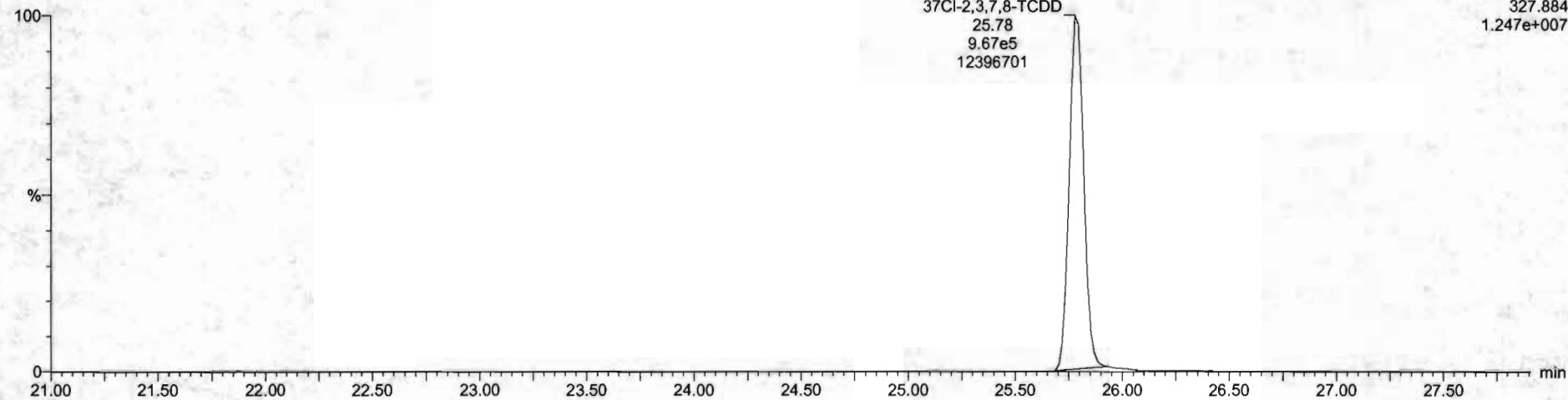
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Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929

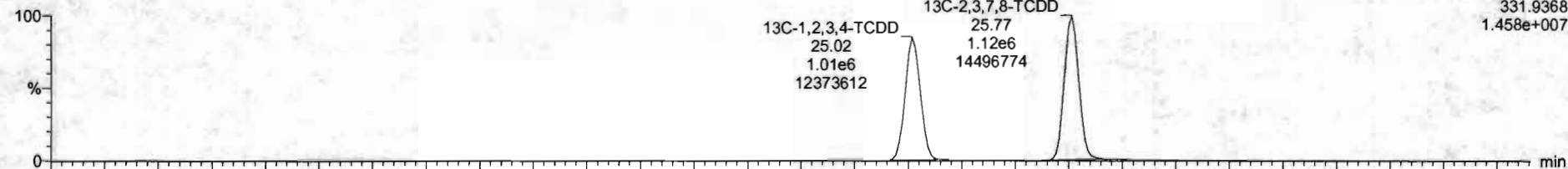
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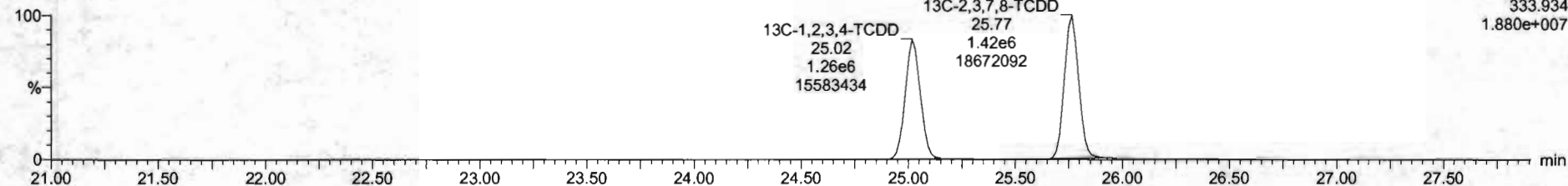


13C-1,2,3,4-TCDD

200410R2_11



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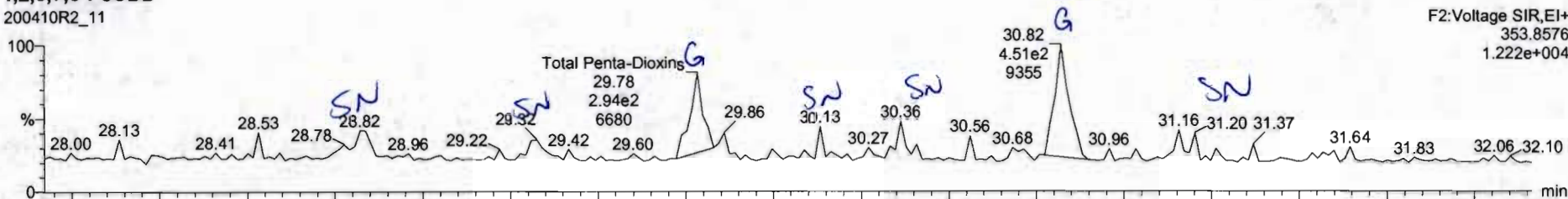
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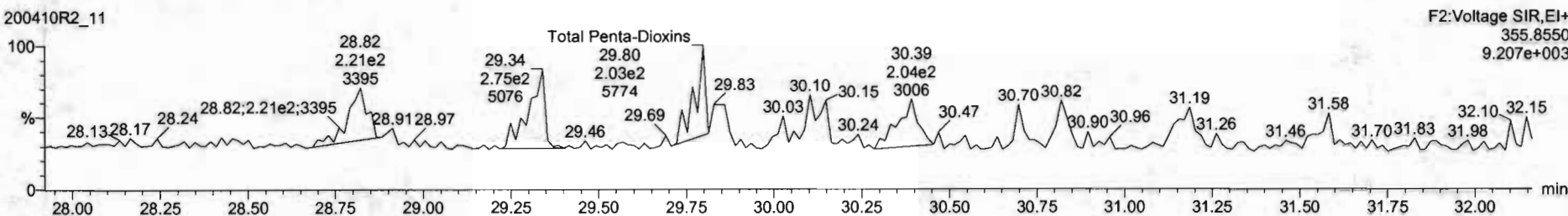
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1,2,3,7,8-PeCDD

200410R2_11

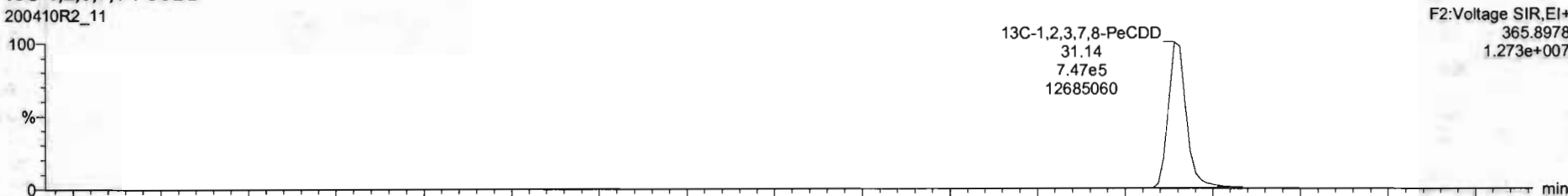


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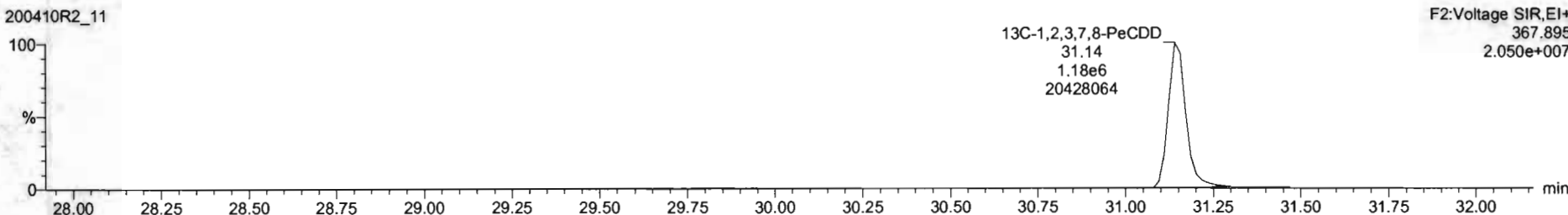


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200410R2_11



200410R2_11



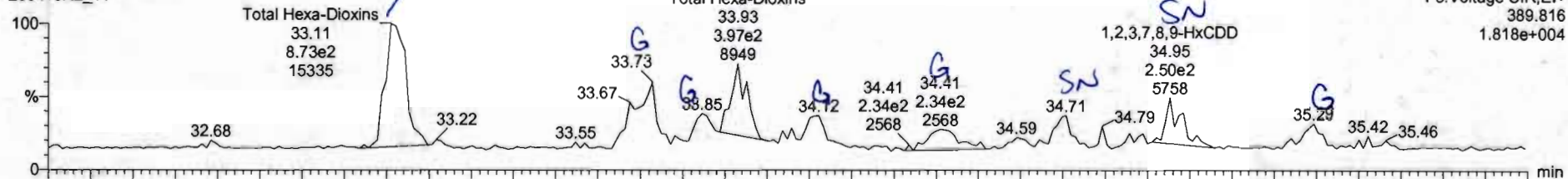
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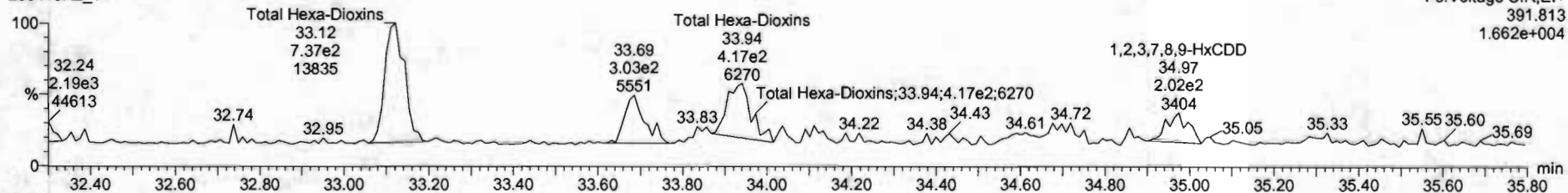
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1,2,3,4,7,8-HxCDD

200410R2_11

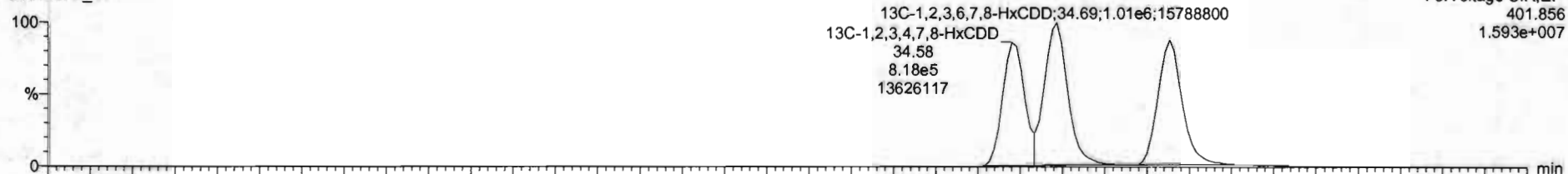


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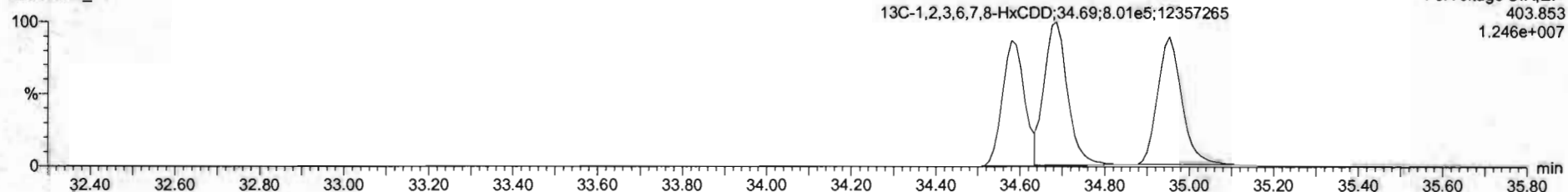


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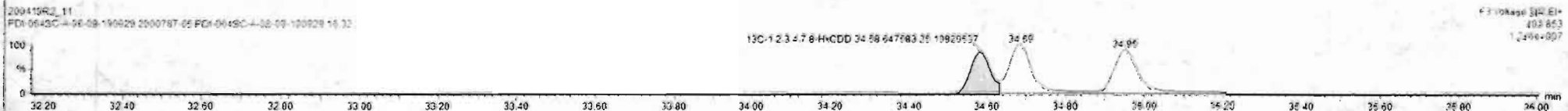
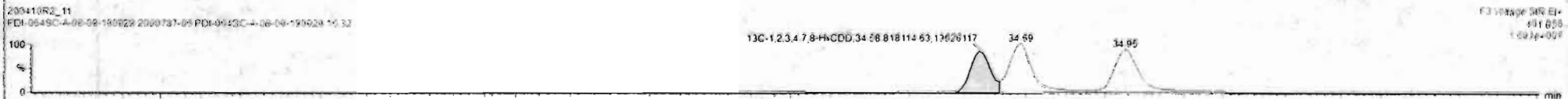
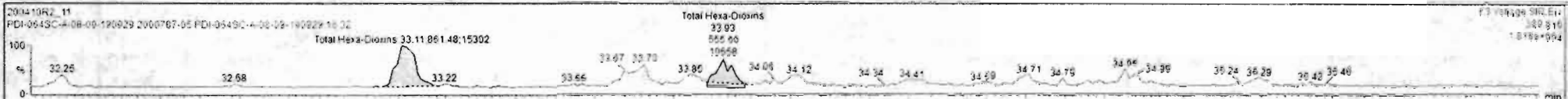
200410R2_11



200410R2_11



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	2.01e5	0.50	N0	1.0000	10.071	34.11	1.000	199	100	0.333	
39 Total Tetra-Dioxins				0.9835	10.071			0.134		0.0344	0.134
40 Total Penta-Dioxins				0.5212	10.071			0.000		0.0180	0.0369
41 Total Hexa-Dioxins				0.9844	10.071			0.323		0.0358	0.323
42 Total Hepta-Dioxins				1.0061	10.071			0.721		0.0735	0.721
43 Total Tetra-Furans				0.9154	10.071			0.121		0.0331	0.351
44 1st Func. Penta-Furans				0.9594	10.071					0.00372	
45 Total Penta-Furans				0.9594	10.071					0.00848	
46 Total Hexa-Furans				1.0920	10.071			0.0735		0.0221	0.0735
47 Total Hepta-Furans				1.0403	10.071					0.0235	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



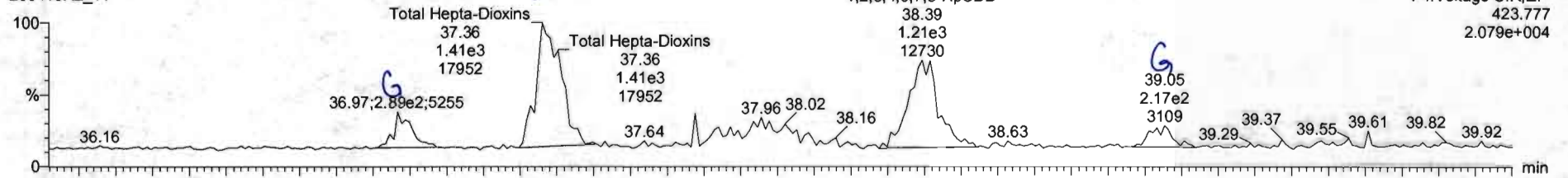
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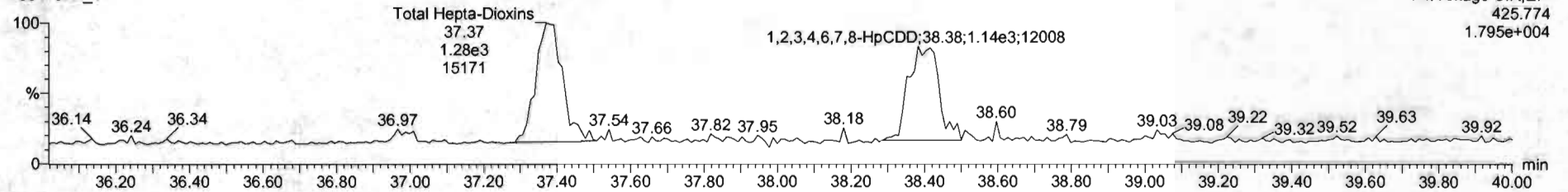
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1,2,3,4,6,7,8-HpCDD

200410R2_11

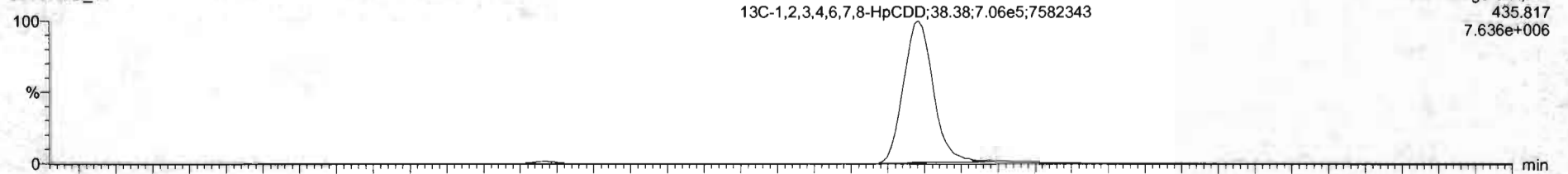


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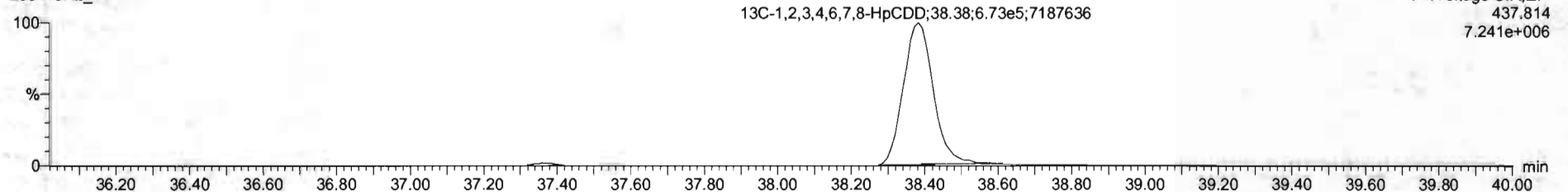


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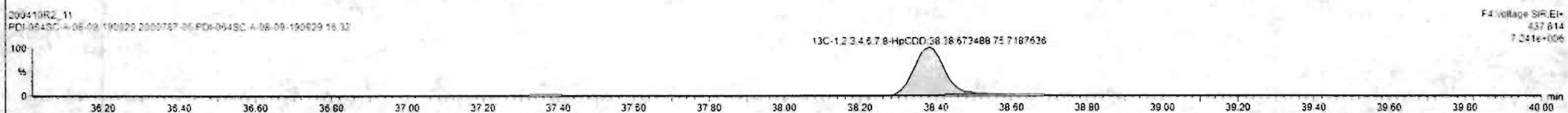
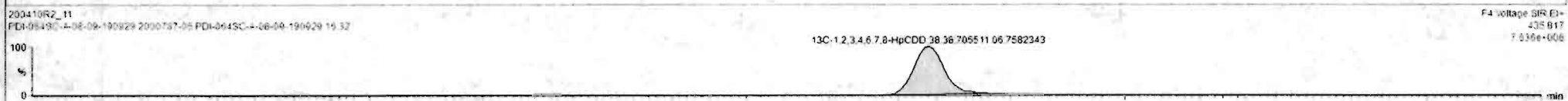
200410R2_11



200410R2_11



Name	Resp	RA	ndy	RRF	wtdVol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,7,8-HxCDF	2.03e6	0.50	NO	1.0000	10.071	34.11	1.000	195	100	0.333	
39 Total Tetra-Dioxins				0.9825	10.071			0.134		0.0344	0.134
40 Total Penta-Dioxins				0.9212	10.071			0.000		0.0160	0.0369
41 Total Hexa-Dioxins				0.9844	10.071			0.323		0.0358	0.323
42 Total Hepta-Dioxins				1.0061	10.071			0.710		0.0735	0.710
43 Total Tetra-Furans				0.9154	10.071			0.121		0.0331	0.351
44 1st Func. Penta-Furans				0.9594	10.071					0.00372	
45 Total Penta-Furans				0.9594	10.071					0.00948	
46 Total Hexa-Furans				1.0920	10.071			0.0735		0.0221	0.0735
47 Total Hepta-Furans				1.0423	10.071					0.0235	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
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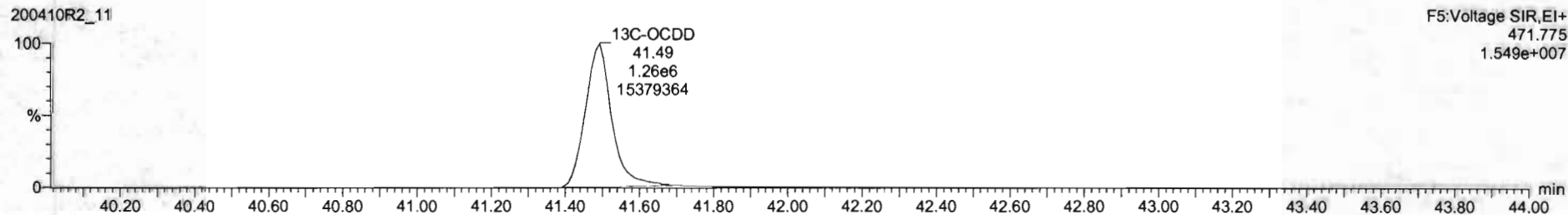
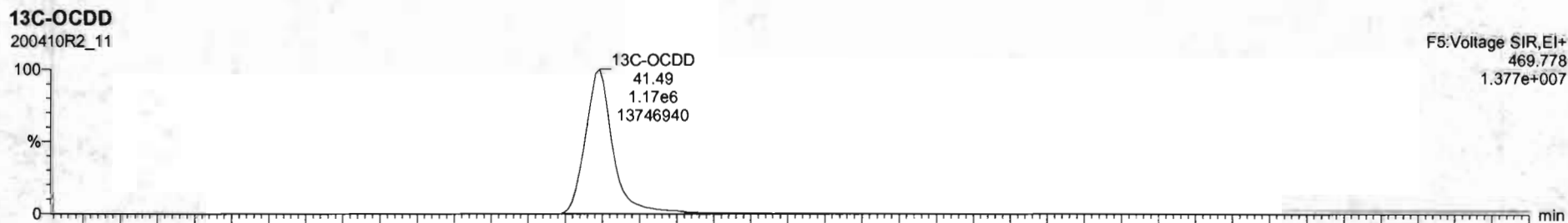
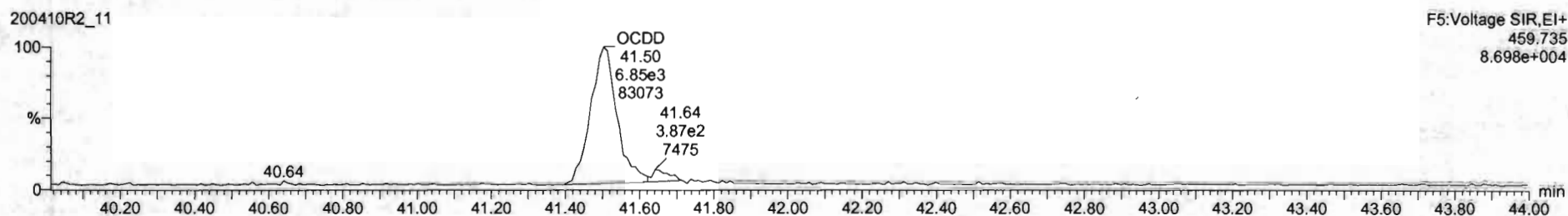
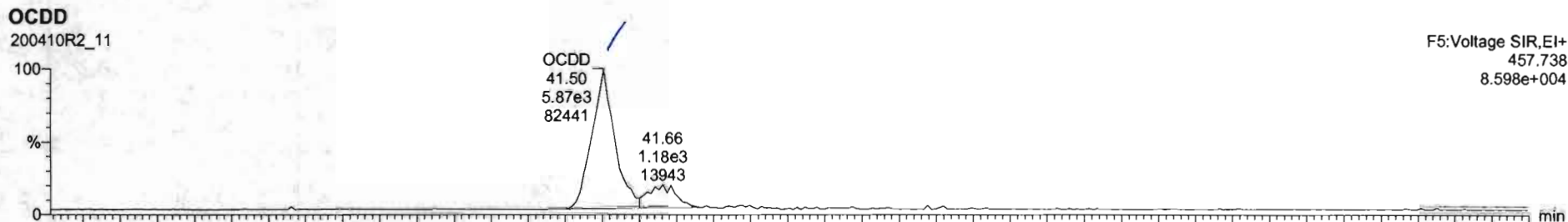


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Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929

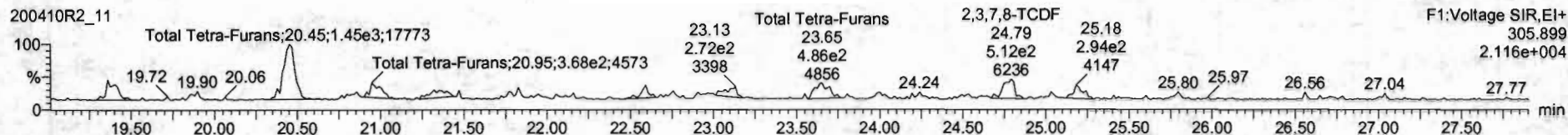
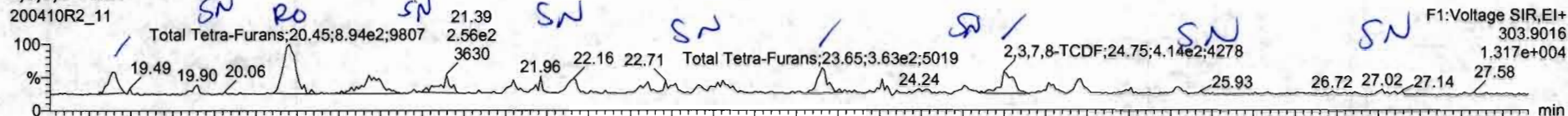


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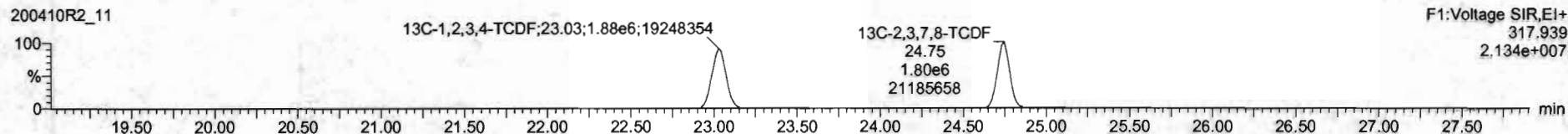
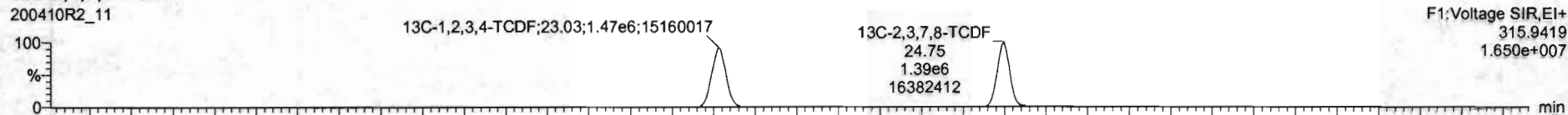
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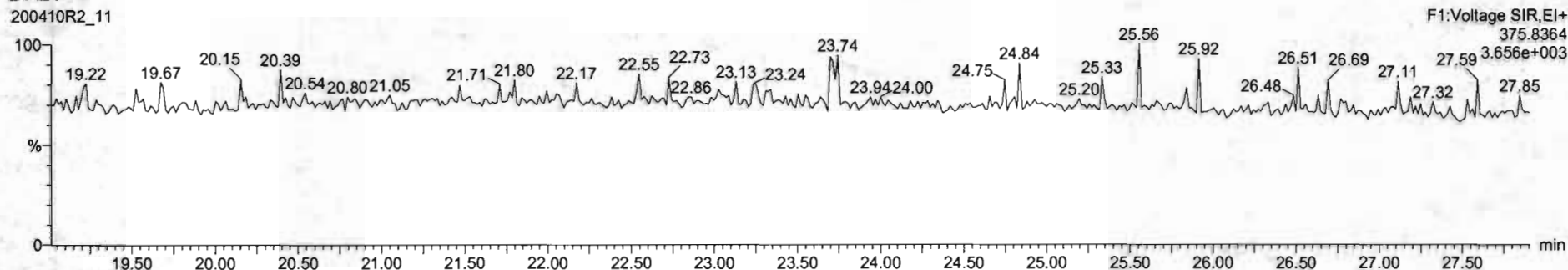
2,3,7,8-TCDF



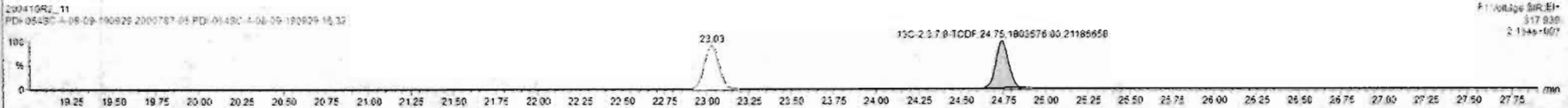
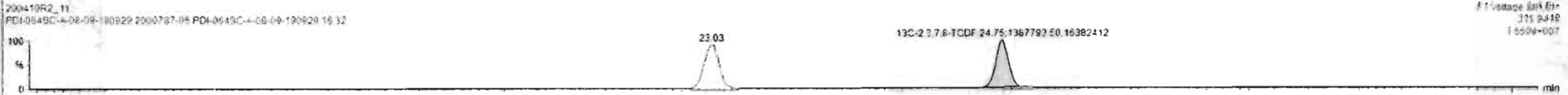
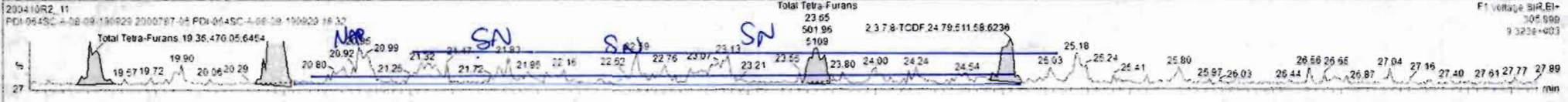
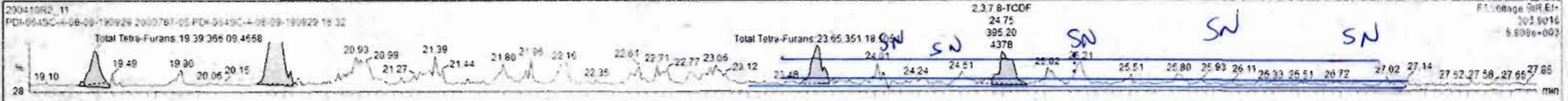
13C-2,3,7,8-TCDF



DPE1



Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,9-HxCDF	2.02e6	0.50	10	1.0000	10.071	34.11	1.000	199	100	0.333	
39 Total Tetra-Dioxins				0.9835	10.071			0.134		0.0344	0.134
40 Total Penta-Dioxins				0.5212	10.071			0.000		0.0160	0.0369
41 Total Hexa-Dioxins				0.9844	10.071			0.323		0.0356	0.323
42 Total Hepta-Dioxins				1.0061	10.071			0.710		0.0735	0.710
43 Total Tetra-Furans				0.9154	10.071			0.176		0.0331	0.317
44 1st Func. Penta-Furans				0.9594	10.071					0.0072	
45 Total Penta-Furans				0.9594	10.071					0.00948	
46 Total Hexa-Furans				1.0920	10.071			0.0735		0.0221	0.0735
47 Total Hepta-Furans				1.0423	10.071					0.0276	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



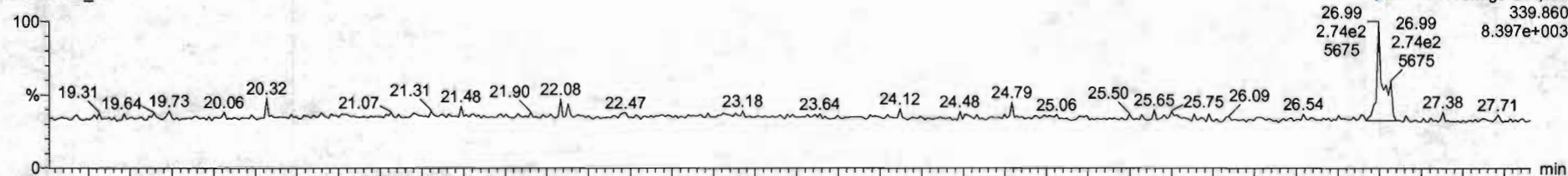
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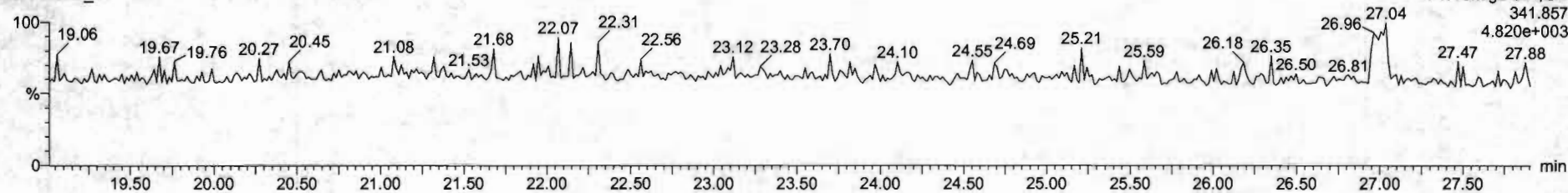
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1st Func. Penta-Furans

200410R2_11

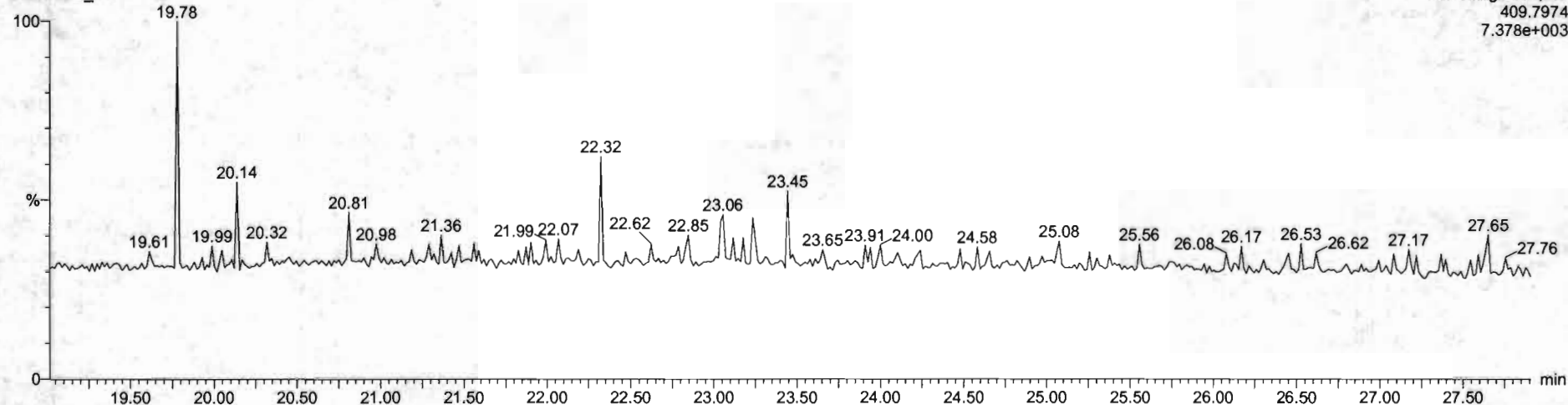


200410R2_11

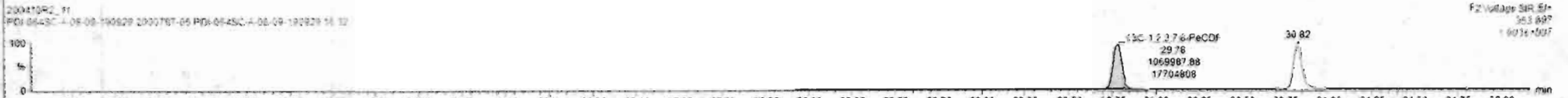
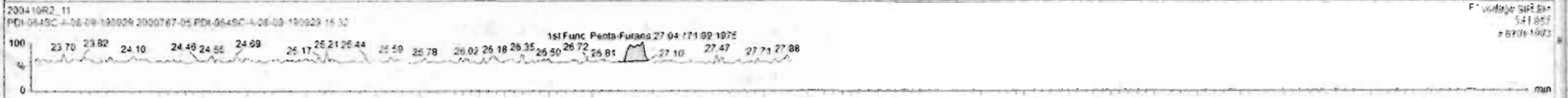
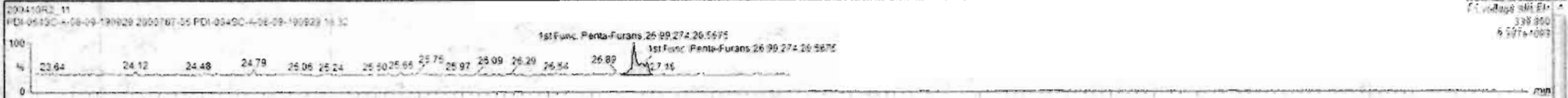


DPE6

200410R2_11



KL	Name	Resp	RA	nly	RRF	wtAvt	RT	RRT	Conc.	%Rec	DL	EMPC
38	13C-1,2,3,4,6,5-HxCDF	2.02e6	0.50	NO	1.0000	10.071	24.11	1.000	199	100	0.333	
39	Total Tetra-Dioxins				0.9835	10.071			0.134		0.0344	0.134
40	Total Penta-Dioxins				0.5212	10.071			0.060		0.0160	0.0369
41	Total Hexa-Dioxins				0.9844	10.071			0.323		0.0356	0.323
42	Total Hepta-Dioxins				1.0061	10.071			0.710		0.0735	0.710
43	Total Tetra-Furans				0.5154	10.071			0.176		0.0331	0.317
44	1st Func. Penta-Furans				0.9594	10.071			0.0340		0.00372	0.0340
45	Total Penta-Furans				0.9594	10.071					0.00948	
46	Total Hexa-Furans				1.0920	10.071			0.0735		0.0221	0.0735
47	Total Hepta-Furans				1.0423	10.071					0.0235	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											



Custom Reporting: Select reports to generate

200410R2_11

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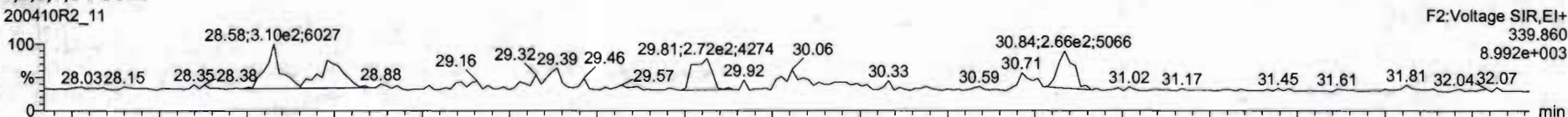
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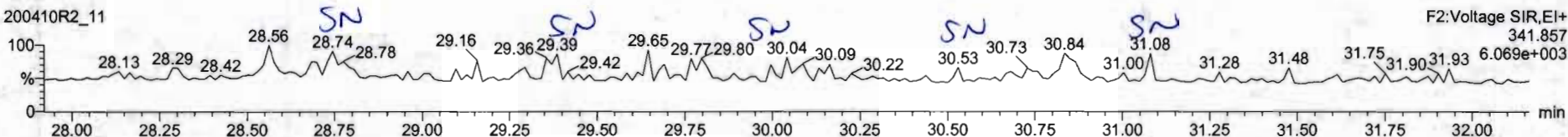
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1,2,3,7,8-PeCDF

200410R2_11

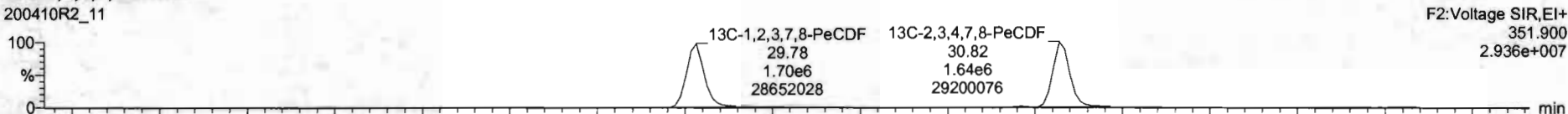


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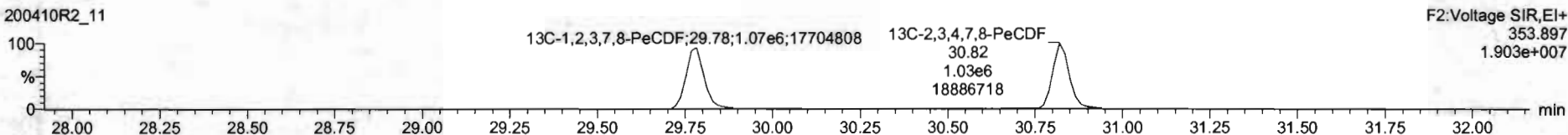


13C-1,2,3,7,8-PeCDF

200410R2_11

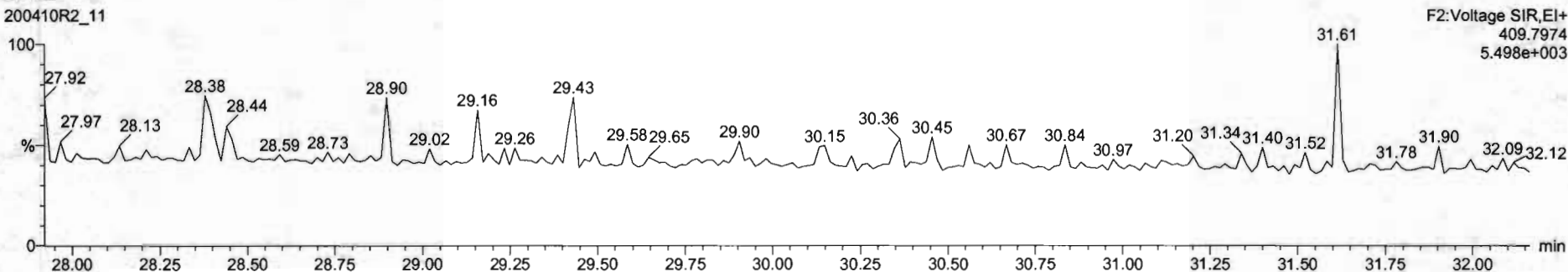


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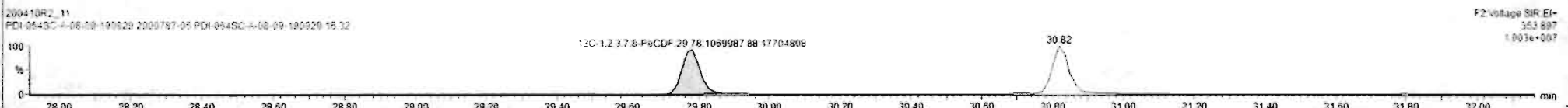
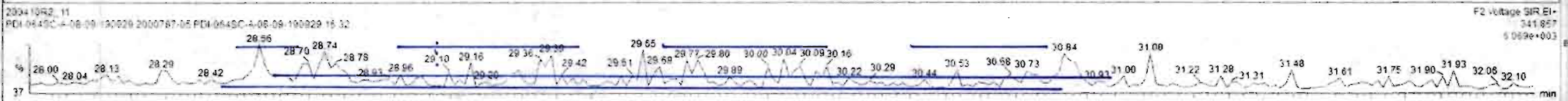
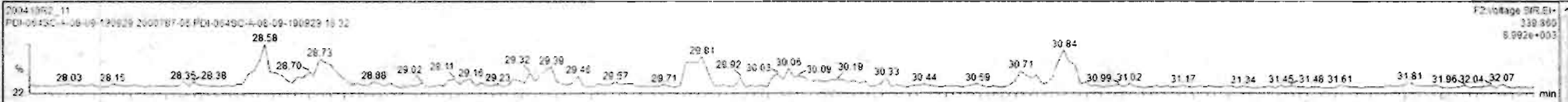


DPE2

200410R2_11



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,6,8-HxCDF	2.03e6	0.50	NO	1.0000	10.071	34.11	1.000	199	100	0.333	
39 Total Tetra-Dioxins				0.9835	10.071			0.134		0.0344	0.134
40 Total Penta-Dioxins				0.9212	10.071			0.060		0.0180	0.0369
41 Total Hexa-Dioxins				0.9844	10.071			0.323		0.0366	0.323
42 Total Hepta-Dioxins				1.0061	10.071			0.710		0.0735	0.710
43 Total Tetra-Furans				0.9154	10.071			0.176		0.0331	0.317
44 1st Func. Penta-Furans				0.9594	10.071			0.0340		0.00372	0.0340
45 Total Penta-Furans				0.9594	10.071					0.00946	
46 Total Hexa-Furans				1.0920	10.071			0.0735		0.0221	0.0735
47 Total Hepta-Furans				1.0483	10.071					0.0225	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

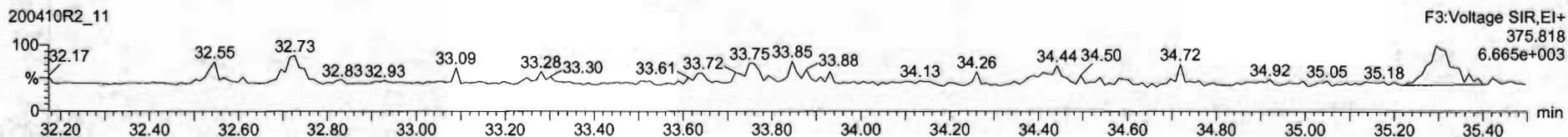


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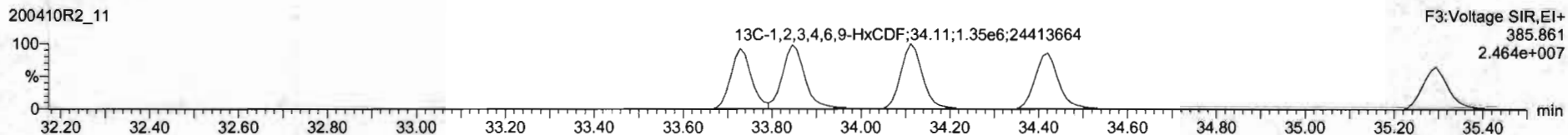
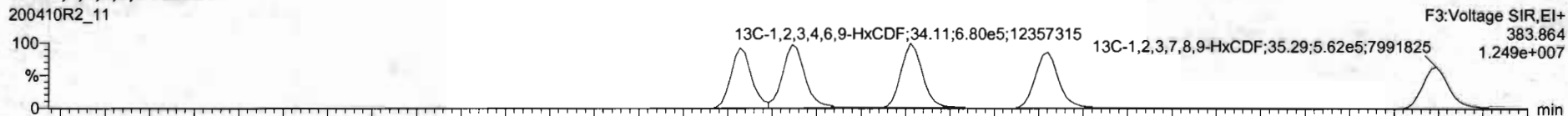
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Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929

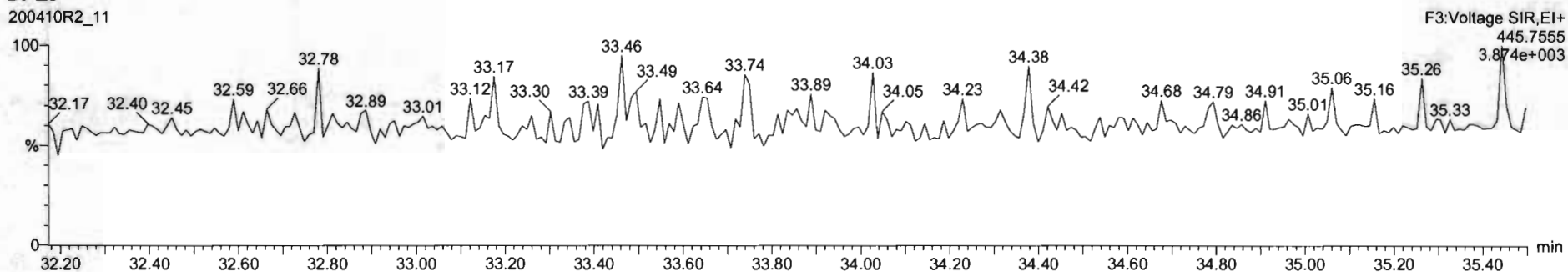
1,2,3,4,7,8-HxCDF



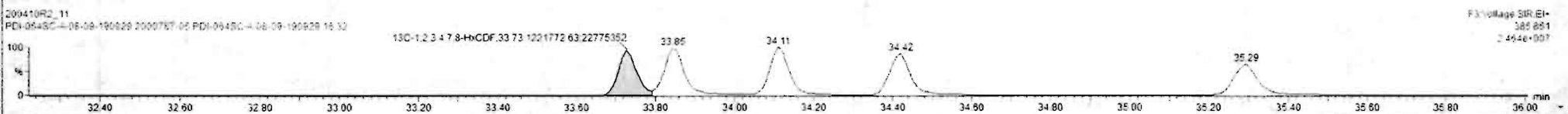
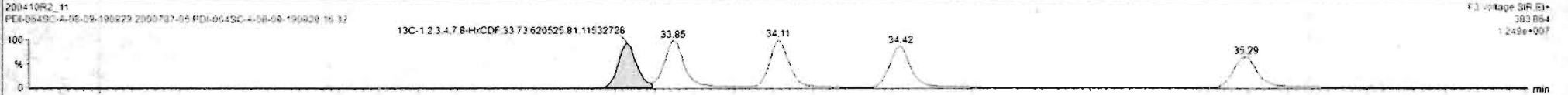
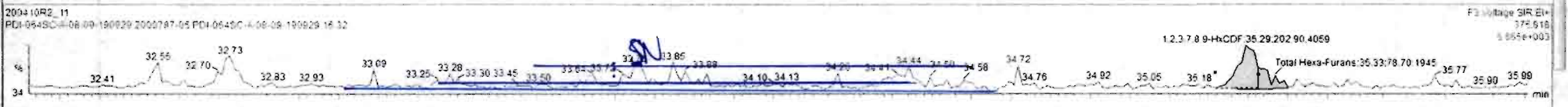
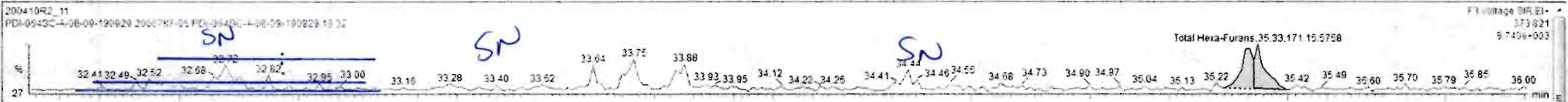
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	2.03e6	0.50	NO	1.0000	10.071	34.11	1.000	195	100	0.333	
39 Total Tetra-Dioxins				0.9835	10.071			0.134		0.0344	0.134
40 Total Penta-Dioxins				0.9212	10.071			0.000		0.0160	0.0369
41 Total Hexa-Dioxins				0.9844	10.071			0.323		0.0366	0.323
42 Total Hepta-Dioxins				1.0061	10.071			0.710		0.0735	0.710
43 Total Tetra-Furans				0.9154	10.071			0.176		0.0331	0.217
44 1st Func. Penta-Furans				0.9594	10.071			0.0340		0.00372	0.0340
45 Total Penta-Furans				0.9594	10.071					0.00946	
46 Total Hexa-Furans				1.0920	10.071			0.000		0.0115	0.0560
47 Total Hepta-Furans				1.0483	10.071					0.0235	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



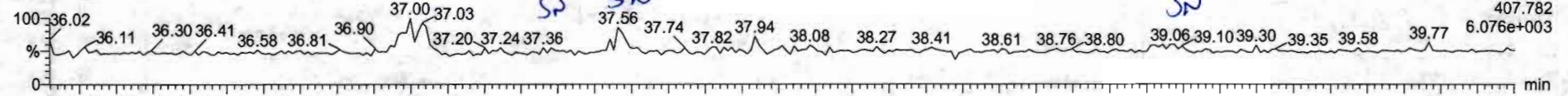
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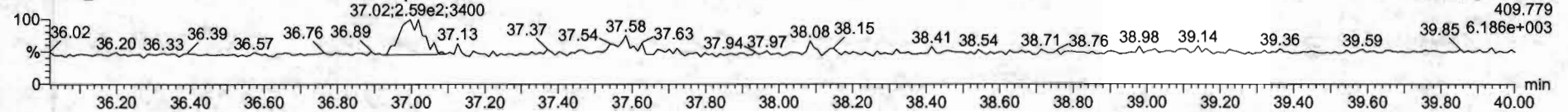
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1,2,3,4,6,7,8-HpCDF

200410R2_11



200410R2_11

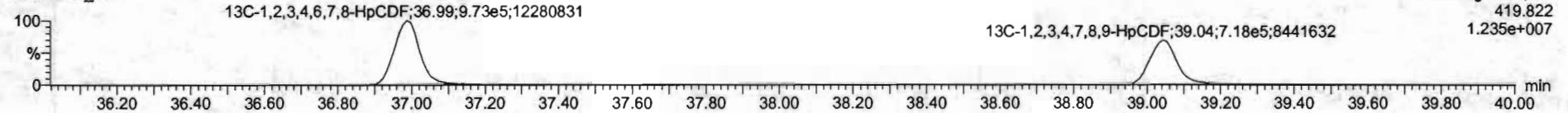


13C-1,2,3,4,6,7,8-HpCDF

200410R2_11

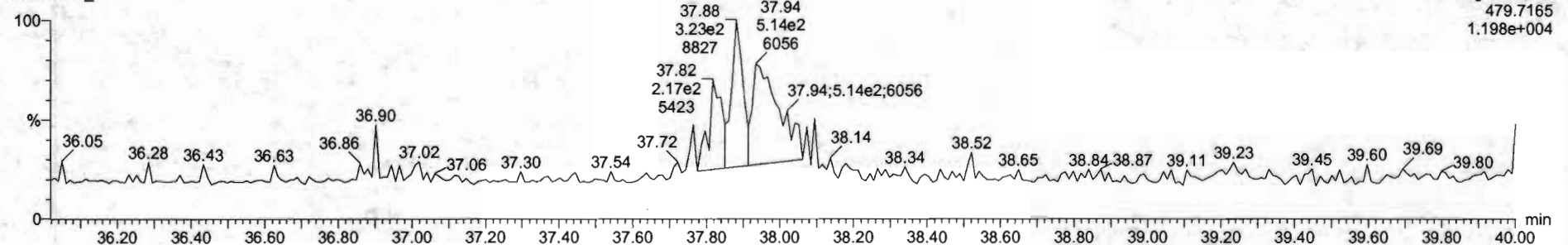


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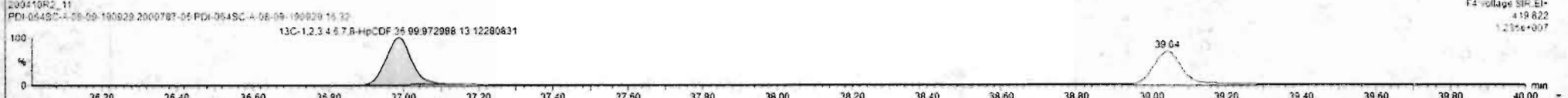
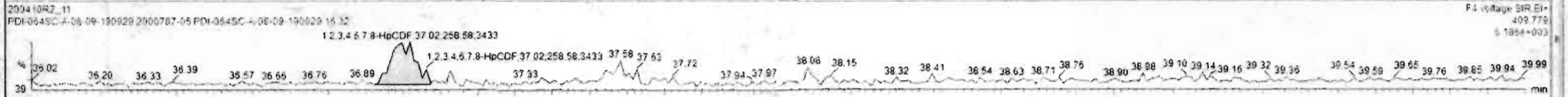


DPE4

200410R2_11



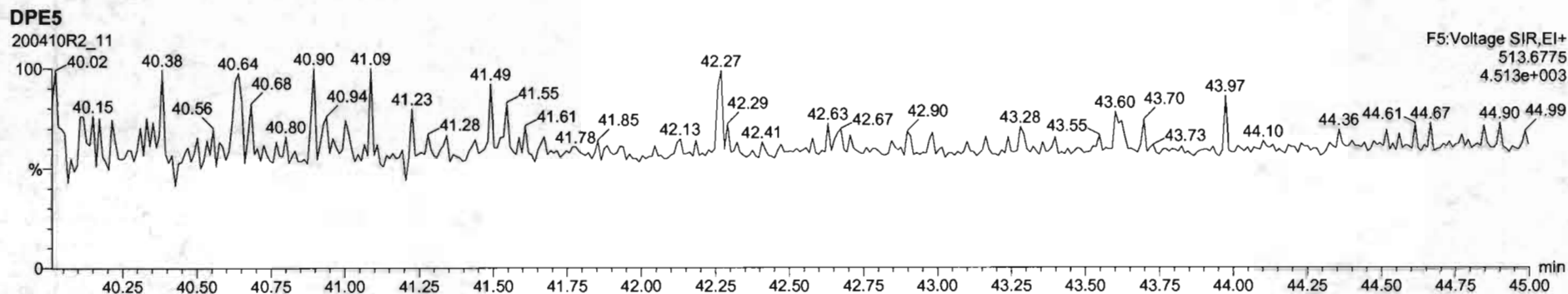
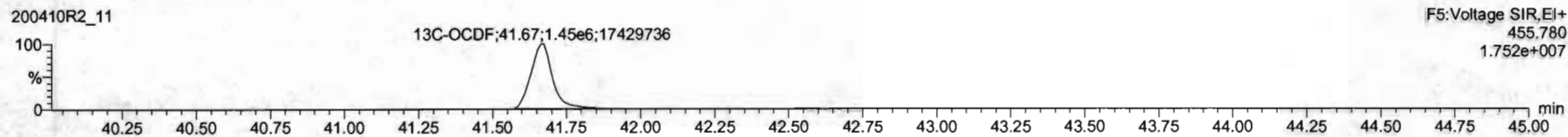
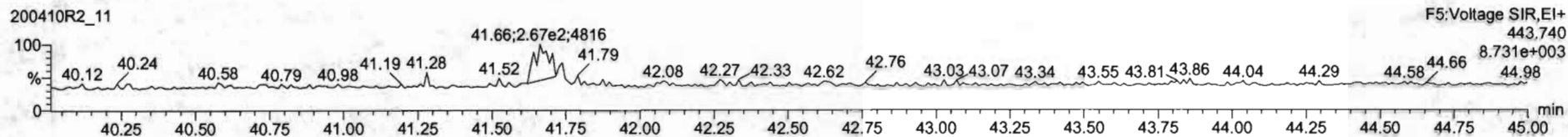
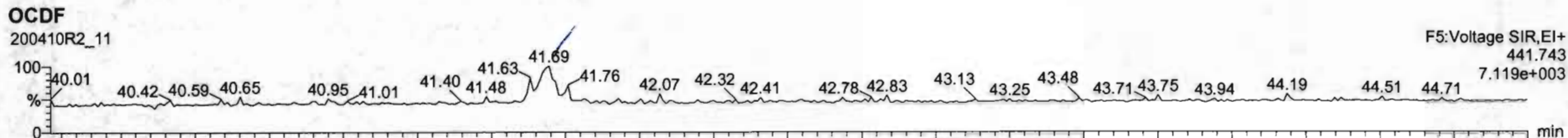
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38 13C-1,2,3,4,6,8-HxCDF	2 03e6	0 50	NO	1 0000	10 071	34 11	1 000	199	100	0 333	
39 Total Tetra-Dioxins				0 9835	10 071			0 134		0 0344	0 134
40 Total Penta-Dioxins				0 5212	10 071			0 000		0 0160	0 0369
41 Total Hexa-Dioxins				0 9844	10 071			0 323		0 0356	0 323
42 Total Hepta-Dioxins				1 0061	10 071			0 710		0 0735	0 710
43 Total Tetra-Furans				0 5154	10 071			0 178		0 0231	0 217
44 1st Func Penta-Furans				0 9594	10 071			0 0340		0 00372	0 0340
45 Total Penta-Furans				0 9594	10 071					0 00946	
46 Total Hexa-Furans				1 0929	10 071			0 000		0 0115	0 0560
47 Total Hepta-Furans				1 0483	10 071			0 0069		0 0236	0 0669
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



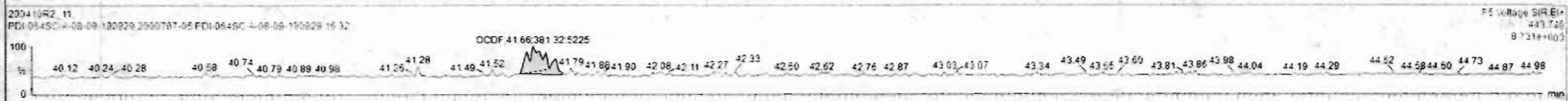
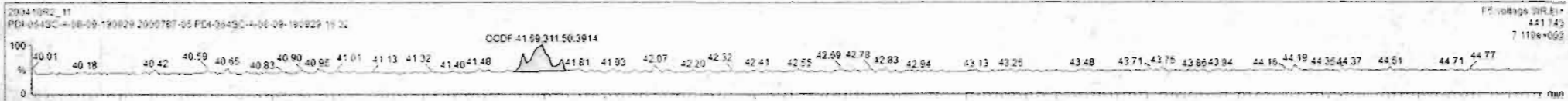
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Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929



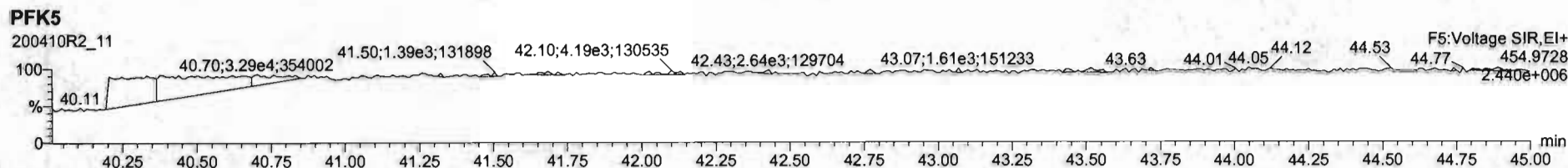
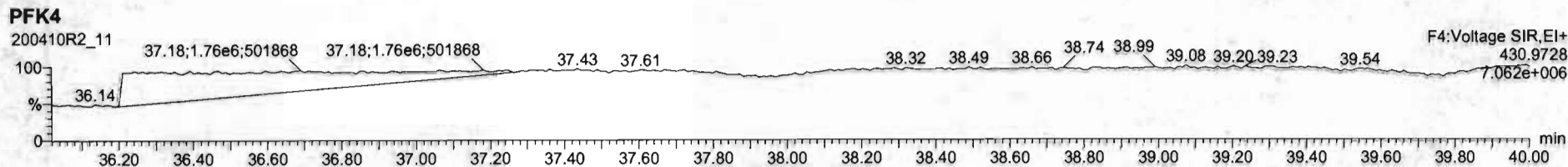
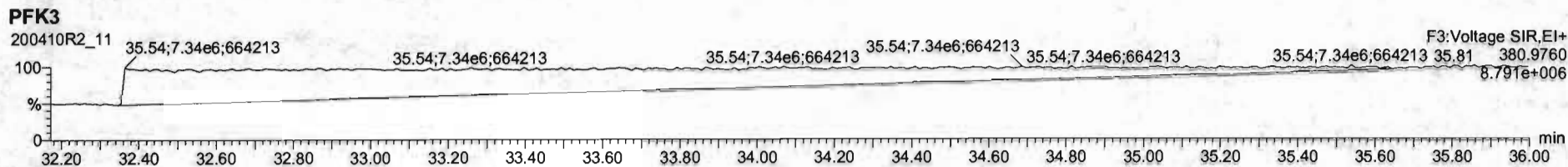
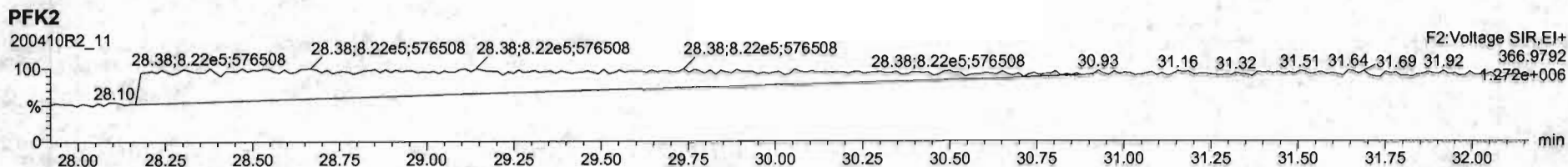
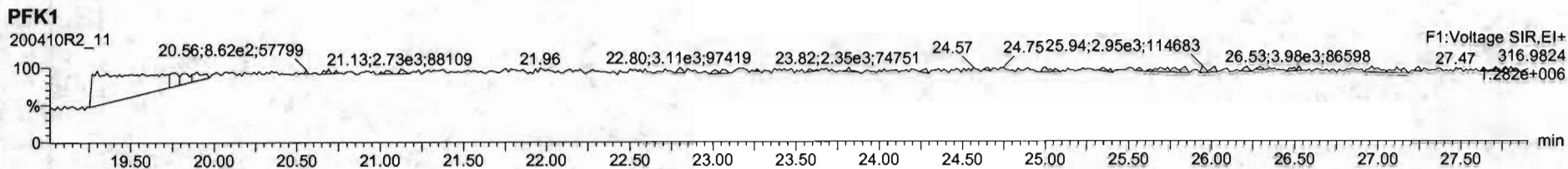
Name	Resp	RA	nBy	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.9835	10.071				0.0344	
2	1,2,3,7,8-PeCDD			NO	0.9212	10.071				0.0402	
3	1,2,3,4,7,8-HxCDD			NO	1.1325	10.071				0.0328	
4	1,2,3,6,7,8-HxCDD			NO	0.9844	10.071				0.0326	
5	1,2,3,7,8,9-HxCDD	4.51e2	1.24	NO	0.9674	10.071	34.95	1.000	0.0564	0.0377	0.0564
6	1,2,3,4,6,7,8-HpCDD	2.35e3	1.07	NO	1.0061	10.071	36.39	1.000	0.336	0.0735	0.336
7	OCDD	1.27e4	0.96	NO	1.0515	10.071	41.50	1.000	1.98	0.0780	1.98
8	2,3,7,8-TCDF	9.25e2	0.81	NO	0.9154	10.071	24.75	1.000	0.0629	0.0331	0.0629
9	1,2,3,7,8-PeCDF			NO	0.9594	10.071				0.0253	
10	2,3,4,7,8-PeCDF			NO	1.0025	10.071				0.0238	
11	1,2,3,4,7,8-HxCDF			NO	1.0381	10.071				0.0206	
12	1,2,3,6,7,8-HxCDF			NO	1.0126	10.071				0.0202	
13	2,3,4,6,7,8-HxCDF			NO	1.0920	10.071				0.0219	
14	1,2,3,7,8,9-HxCDF	6.22e2	1.32	NO	1.0258	10.071	35.33	1.001	0.0735	0.0309	0.0735
15	1,2,3,4,6,7,8-HpCDF			NO	1.0483	10.071				0.0322	
16	1,2,3,4,7,8,9-HpCDF			NO	1.2059	10.071				0.0408	
17	OCDF	6.83e2	0.82	NO	0.9486	10.071	41.60	1.001	0.106	0.0368	0.106
18	13C-2,3,7,8-TCDD	2.55e6	0.79	NO	1.1842	10.071	25.76	1.030	189.94.5	0.140	
19	13C-1,2,3,7,8-PeCDD	1.93e6	0.83	NO	0.8644	10.071	31.14	1.245	196.96.5	0.158	
20	13C-1,2,3,4,7,8-HxCDD	1.47e6	1.26	NO	0.7529	10.071	24.52	1.014	190.96.7	0.226	
21	13C-1,2,3,6,7,8-HxCDD	1.51e6	1.26	NO	0.9254	10.071	34.69	1.017	192.96.5	0.184	



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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_11, Date: 11-Apr-2020, Time: 04:42:28, ID: 2000787-05 PDI-064SC-A-08-09-190929 16.32, Description: PDI-064SC-A-08-09-190929



Dataset: U:\VG12.PRO\Results\200410R2\200410R2-12.qld

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GEO 04/14/2020

CT 04/14/2020

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

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#	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	1.38e3	0.19	YES	0.983	9.999	25.781	25.76	1.001	1.001	0.11258		0.0251	0.0405
2	2 1,2,3,7,8-PeCDD			NO	0.921	9.999	31.162		1.001				0.0463	
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	9.999	34.590		1.000				0.0308	
4	4 1,2,3,6,7,8-HxCDD			NO	0.984	9.999	34.676		1.000				0.0302	
5	5 1,2,3,7,8,9-HxCDD			NO	0.967	9.999	34.952		1.000				0.0356	
6	6 1,2,3,4,6,7,8-HpCDD	4.72e3	1.07	NO	1.01	9.999	38.384	38.39	1.000	1.001	0.70976		0.123	0.710
7	7 OCDD	4.50e4	0.84	NO	1.05	9.999	41.482	41.49	1.000	1.000	7.2546		0.0834	7.25
8	8 2,3,7,8-TCDF			NO	0.915	9.999	24.758		1.001				0.0177	
9	9 1,2,3,7,8-PeCDF	2.12e2	0.85	YES	0.959	9.999	29.788	29.80	1.001	1.001	0.016506		0.00882	0.0124
10	10 2,3,4,7,8-PeCDF	2.47e2	1.32	NO	1.00	9.999	30.851	30.85	1.001	1.001	0.018476		0.00525	0.0185
11	11 1,2,3,4,7,8-HxCDF	3.55e2	1.04	YES	1.04	9.999	33.728	33.75	1.000	1.001	0.037939		0.0153	0.0350
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	9.999	33.855		1.000				0.0147	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	9.999	34.444		1.001				0.0154	
14	14 1,2,3,7,8,9-HxCDF	3.41e2	0.78	YES	1.03	9.999	35.283	35.28	1.000	1.000	0.041795		0.0217	0.0330
15	15 1,2,3,4,6,7,8-HpCDF	3.96e2	0.96	NO	1.05	9.999	37.014	37.01	1.001	1.001	0.056892		0.00922	0.0569
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	9.999	39.043		1.000				0.0264	
17	17 OCDF	6.51e2	0.98	NO	0.947	9.999	41.652	41.66	1.000	1.000	0.10473		0.0296	0.105
18	18 13C-2,3,7,8-TCDD	2.49e6	0.77	NO	1.18	9.999	25.735	25.75	1.029	1.029	186.92	93.5	0.111	
19	19 13C-1,2,3,7,8-PeCDD	1.88e6	0.63	NO	0.864	9.999	30.919	31.14	1.236	1.245	193.49	96.7	0.137	
20	20 13C-1,2,3,4,7,8-HxCDD	1.40e6	1.26	NO	0.754	9.999	34.585	34.58	1.014	1.014	181.04	90.5	0.204	
21	21 13C-1,2,3,6,7,8-HxCDD	1.76e6	1.25	NO	0.925	9.999	34.694	34.68	1.017	1.017	185.38	92.7	0.166	
22	22 13C-1,2,3,7,8,9-HxCDD	1.57e6	1.27	NO	0.829	9.999	34.957	34.94	1.025	1.024	185.59	92.8	0.185	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.32e6	1.06	NO	0.598	9.999	38.429	38.37	1.127	1.125	216.22	108	0.308	
24	24 13C-OCDD	2.36e6	0.89	NO	0.571	9.999	41.592	41.48	1.219	1.216	403.80	101	0.290	
25	25 13C-2,3,7,8-TCDF	3.25e6	0.77	NO	1.09	9.999	24.757	24.73	0.990	0.989	174.90	87.4	0.207	
26	26 13C-1,2,3,7,8-PeCDF	2.68e6	1.58	NO	0.876	9.999	29.590	29.77	1.183	1.190	179.20	89.6	0.366	
27	27 13C-2,3,4,7,8-PeCDF	2.66e6	1.59	NO	0.844	9.999	30.601	30.82	1.223	1.232	185.19	92.6	0.380	
28	28 13C-1,2,3,4,7,8-HxCDF	1.81e6	0.51	NO	1.00	9.999	33.729	33.73	0.989	0.989	176.42	88.2	0.212	
29	29 13C-1,2,3,6,7,8-HxCDF	2.02e6	0.51	NO	1.12	9.999	33.838	33.85	0.992	0.992	176.88	88.4	0.190	
30	30 13C-2,3,4,6,7,8-HxCDF	1.85e6	0.50	NO	1.04	9.999	34.421	34.41	1.009	1.009	175.08	87.5	0.205	
31	31 13C-1,2,3,7,8,9-HxCDF	1.59e6	0.51	NO	0.873	9.999	35.298	35.28	1.035	1.034	178.12	89.1	0.243	

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-12.qld

Last Altered: Tuesday, April 14, 2020 11:57:17 Pacific Daylight Time
Printed: Tuesday, April 14, 2020 11:57:54 Pacific Daylight Time

Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.33e6	0.43	NO	0.771	9.999	37.021	36.98	1.085	1.084	168.58	84.3	0.248	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.01e6	0.43	NO	0.519	9.999	39.115	39.04	1.147	1.145	189.99	95.0	0.368	
34	34 13C-OCDF	2.63e6	0.86	NO	0.696	9.999	41.772	41.65	1.225	1.221	368.72	92.2	0.199	
35	35 37Cl-2,3,7,8-TCDD	9.23e5			1.17	9.999	25.745	25.78	1.029	1.030	69.742	87.2	0.0392	
36	36 13C-1,2,3,4-TCDD	2.25e6	0.80	NO	1.00	9.999	25.050	25.02	1.000	1.000	200.02	100	0.131	
37	37 13C-1,2,3,4-TCDF	3.41e6	0.79	NO	1.00	9.999	23.190	23.01	1.000	1.000	200.02	100	0.226	
38	38 13C-1,2,3,4,6,9-HxCDF	2.05e6	0.51	NO	1.00	9.999	34.040	34.11	1.000	1.000	200.02	100	0.212	
39	39 Total Tetra-Dioxins				0.983	9.999	24.620		0.000		0.35876		0.0351	0.444
40	40 Total Penta-Dioxins				0.921	9.999	29.960		0.000		0.25692		0.0463	0.309
41	41 Total Hexa-Dioxins				0.984	9.999	33.635		0.000		1.0225		0.0334	1.02
42	42 Total Hepta-Dioxins				1.01	9.999	37.640		0.000		2.0443		0.123	2.04
43	43 Total Tetra-Furans				0.915	9.999	23.610		0.000				0.00821	
44	44 1st Func. Penta-Furans				0.959	9.999	27.090		0.000				0.00633	
45	45 Total Penta-Furans				0.959	9.999	29.275		0.000		0.018476		0.00566	0.0309
46	46 Total Hexa-Furans				1.09	9.999	33.555		0.000		0.017759		0.0158	0.0953
47	47 Total Hepta-Furans				1.05	9.999	37.835		0.000		0.056892		0.0108	0.0569

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-12.qld

Last Altered: Tuesday, April 14, 2020 11:57:17 Pacific Daylight Time
 Printed: Tuesday, April 14, 2020 11:57:54 Pacific Daylight Time

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Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.25	4.457e3	3.900e3	3.388e2	3.120e2	1.09	YES	0.000e0	0.00000	0.045040	0.0351
2	Total Tetra-Dioxins	23.22	1.665e4	2.191e4	1.532e3	1.992e3	0.77	NO	3.523e3	0.28739	0.28739	0.0351
3	Total Tetra-Dioxins	24.97	4.916e3	5.715e3	4.001e2	4.749e2	0.84	NO	8.750e2	0.071370	0.071370	0.0351
4	2,3,7,8-TCDD	25.76	3.664e3	1.478e4	2.160e2	1.164e3	0.19	YES	1.380e3	0.00000	0.040502	0.0351

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.82	5.602e3	8.217e3	3.791e2	6.644e2	0.57	NO	1.044e3	0.12027	0.12027	0.0463
2	Total Penta-Dioxins	29.32	8.622e3	1.196e4	4.926e2	6.931e2	0.71	NO	1.186e3	0.13665	0.13665	0.0463
3	Total Penta-Dioxins	30.41	4.666e3	7.050e3	2.021e2	2.778e2	0.73	YES	0.000e0	0.00000	0.052195	0.0463

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.12	5.819e4	4.403e4	2.906e3	2.174e3	1.34	NO	5.080e3	0.65506	0.65506	0.0334
2	Total Hexa-Dioxins	33.92	2.329e4	2.014e4	1.560e3	1.289e3	1.21	NO	2.849e3	0.36743	0.36743	0.0334

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.37	6.202e4	5.915e4	4.555e3	4.328e3	1.05	NO	8.883e3	1.3345	1.3345	0.123
2	1,2,3,4,6,7,8-HpCDD	38.39	3.161e4	2.874e4	2.438e3	2.287e3	1.07	NO	4.725e3	0.70976	0.70976	0.123

Tetra-Furans

	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\200410R2\200410R2-12.qld

Last Altered: Tuesday, April 14, 2020 11:57:17 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 11:57:54 Pacific Daylight Time

Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929

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	1,2,3,7,8-PeCDF	29.80	2.509e3	2.523e3	9.718e1	1.149e2	0.85	YES	2.121e2	0.00000	0.012441	0.00582
2	2,3,4,7,8-PeCDF	30.85	4.288e3	2.633e3	1.407e2	1.064e2	1.32	NO	2.470e2	0.018476	0.018476	0.00525

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.72	2.681e3	1.891e3	9.195e1	8.437e1	1.09	NO	1.763e2	0.017759	0.017759	0.0158
2	1,2,3,4,7,8-HxCDF	33.75	3.600e3	3.128e3	1.814e2	1.741e2	1.04	YES	3.555e2	0.00000	0.034965	0.0153
3	1,2,3,7,8,9-HxCDF	35.28	4.130e3	3.377e3	1.493e2	1.920e2	0.78	YES	3.414e2	0.00000	0.033029	0.0217
4	Total Hexa-Furans	35.31	3.046e3	1.076e3	1.161e2	4.235e1	2.74	YES	0.000e0	0.00000	0.00955...	0.0158

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.01	3.579e3	3.148e3	1.937e2	2.027e2	0.96	NO	3.964e2	0.056892	0.056892	0.00922

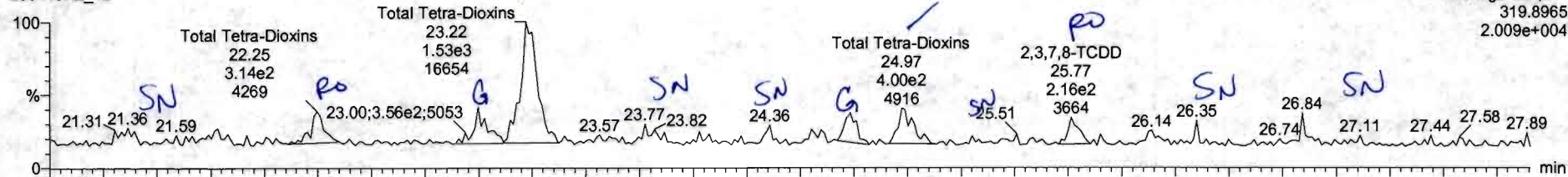
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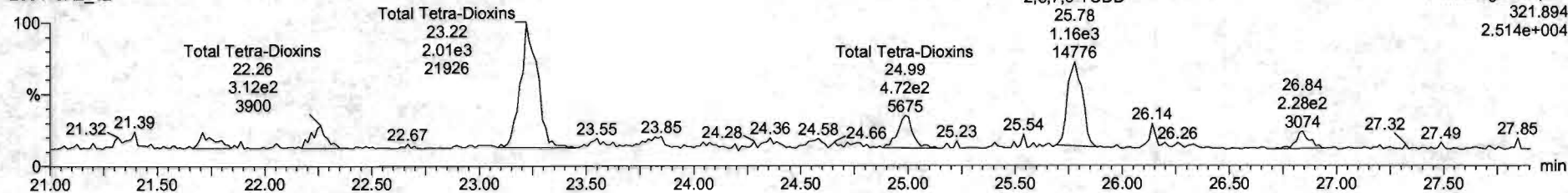
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2,3,7,8-TCDD

200410R2_12

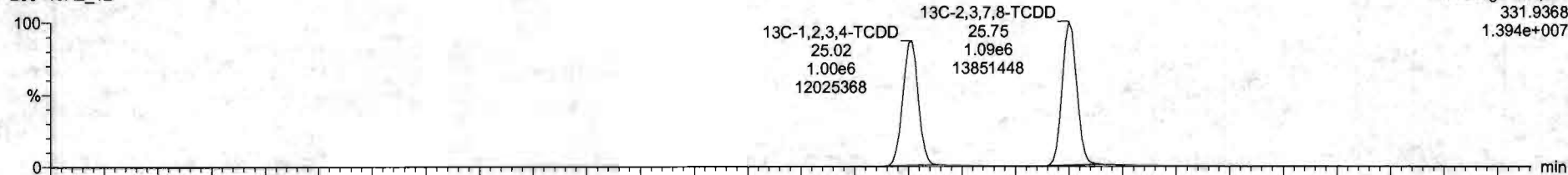


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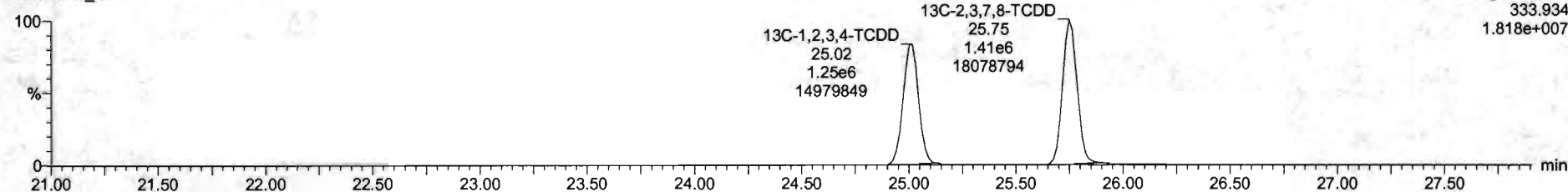


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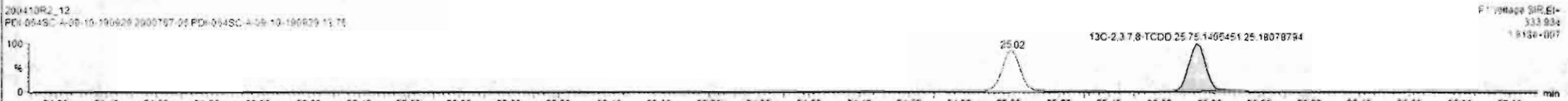
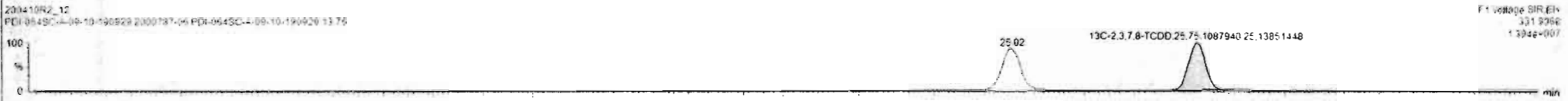
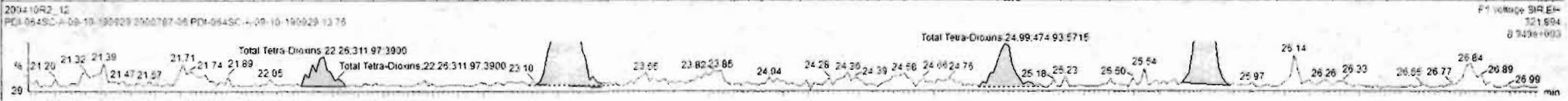
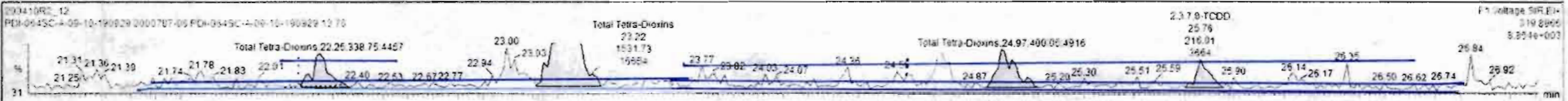
200410R2_12



200410R2_12



SI	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4-E,S-HxCDF	2.05e6	0.51	NO	1.0020	9.959	34.11	1.000	200	100	0.212	
39	Total Tetra-Dioxins				0.9835	9.999			0.350		0.0351	0.444
40	Total Penta-Dioxins				0.9212	9.999			0.256		0.0463	0.256
41	Total Hexa-Dioxins				0.9844	9.959			0.655		0.0374	1.32
42	Total Hepta-Dioxins				1.0061	9.959			2.04		0.123	2.04
43	Total Tetra-Furans				0.9154	9.959					0.00821	
44	1st Func. Penta-Furans				0.9594	9.959					0.00633	
45	Total Penta-Furans				0.9594	9.959					0.00564	
46	Total Hexa-Furans				1.0920	9.959			0.0814		0.0158	0.0614
47	Total Hepta-Furans				1.0453	9.959					0.0168	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											



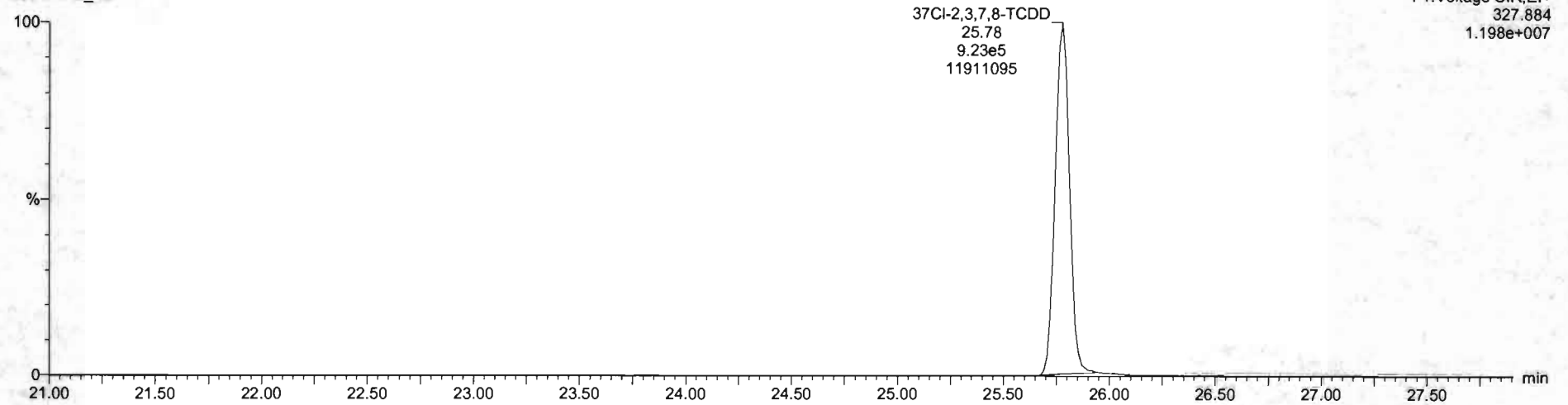
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Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929

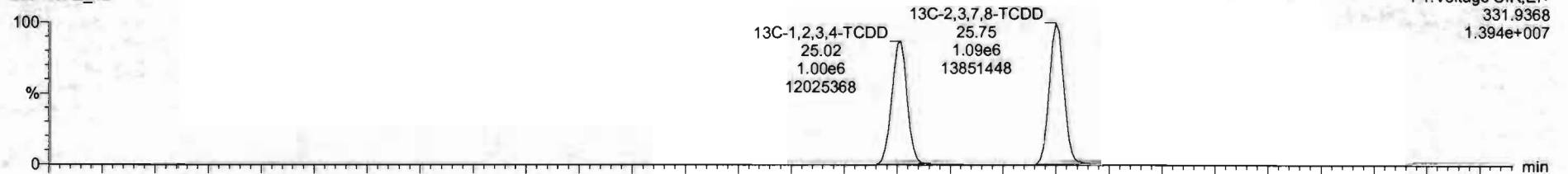
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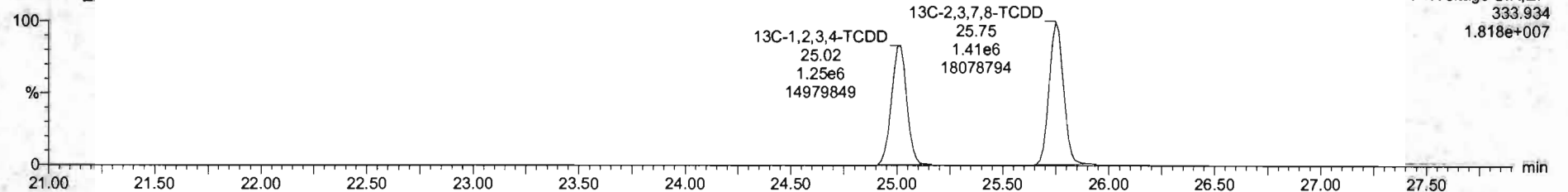


13C-1,2,3,4-TCDD

200410R2_12



200410R2_12



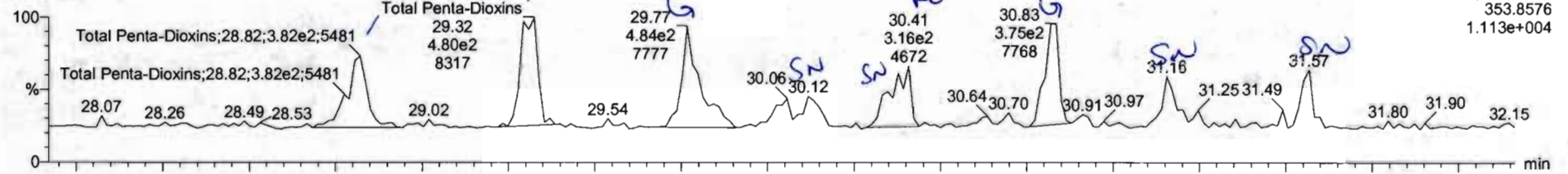
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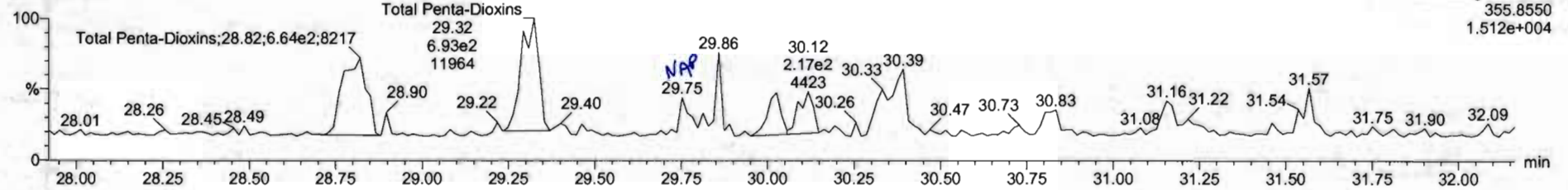
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200410R2_12



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353.8576
1.113e+004

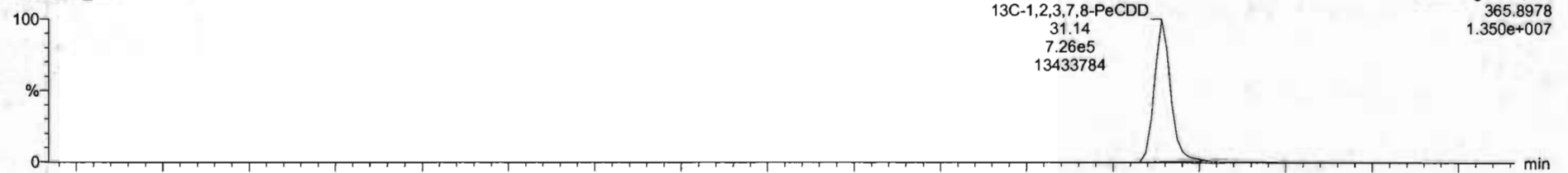
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355.8550
1.512e+004

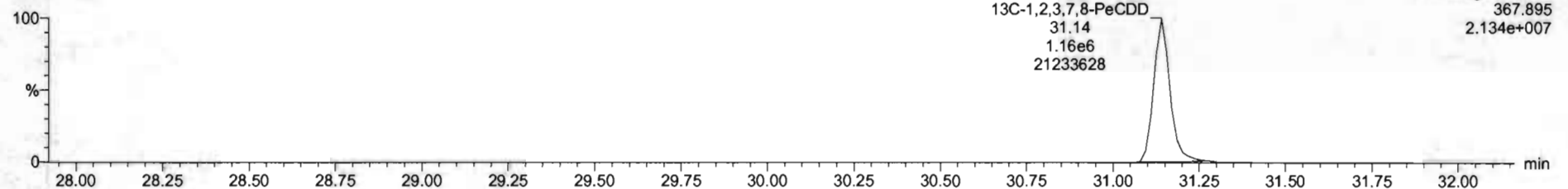
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200410R2_12



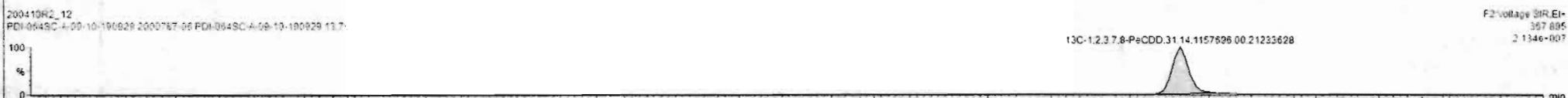
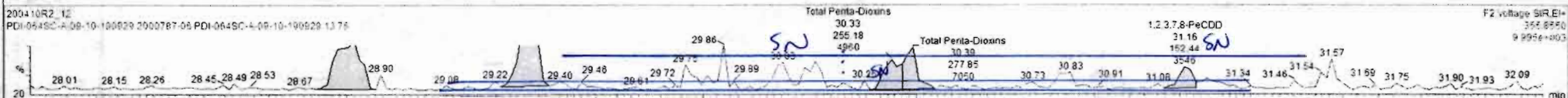
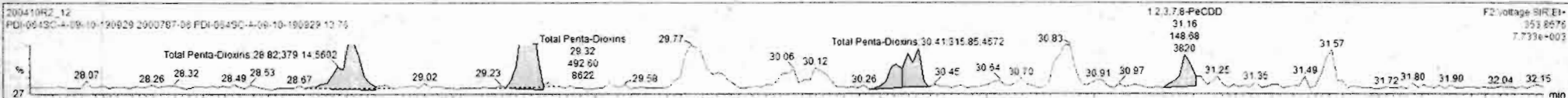
F2:Voltage SIR,EI+
365.8978
1.350e+007

200410R2_12



F2:Voltage SIR,EI+
367.895
2.134e+007

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	2.05eE	0.51	NO	1.0000	9.999	34.11	1.000	200	100	0.212	
39 Total Tetra-Dioxins				0.0835	9.999			0.359		0.0351	0.444
40 Total Penta-Dioxins				0.0212	9.999			0.257		0.0463	0.374
41 Total Hexa-Dioxins				0.9844	9.999			0.655		0.0334	1.02
42 Total Hepta-Dioxins				1.0061	9.999			2.04		0.123	2.94
43 Total Tetra-Furans				0.9154	9.999					0.00821	
44 1st Func. Penta-Furans				0.9594	9.999					0.00633	
45 Total Penta-Furans				0.9594	9.999					0.00566	
46 Total Hexa-Furans				1.0920	9.999			0.0614		0.0158	0.0614
47 Total Hepta-Furans				1.0483	9.999					0.0108	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Custom Reporting: Select reports to generate

200410R2_12

CAP NUM

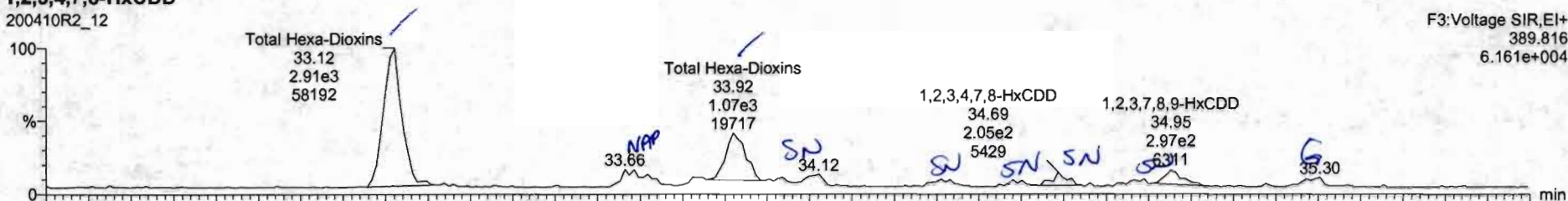
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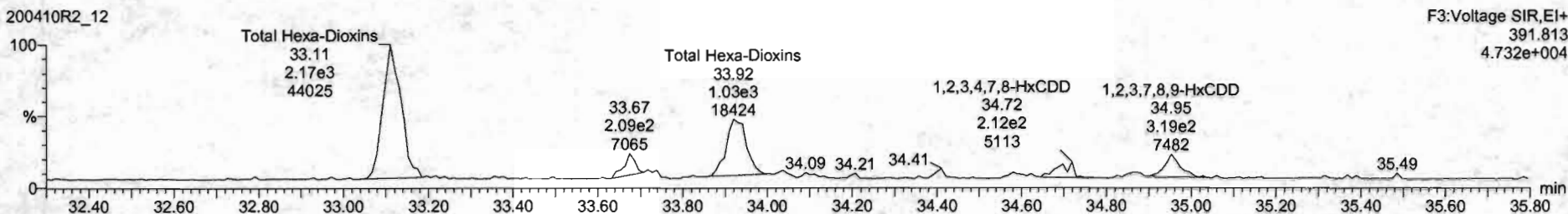
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1,2,3,4,7,8-HxCDD

200410R2_12

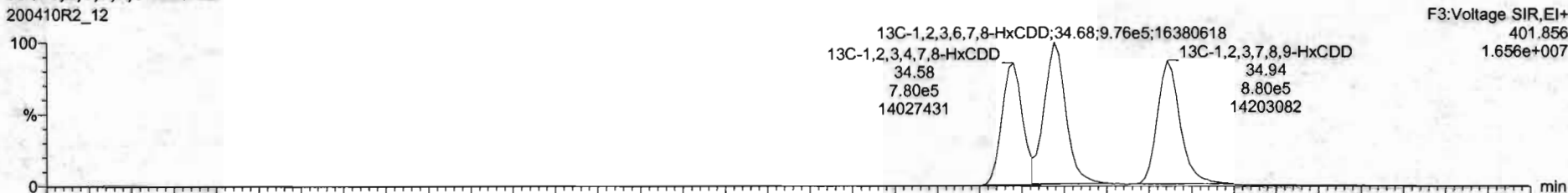


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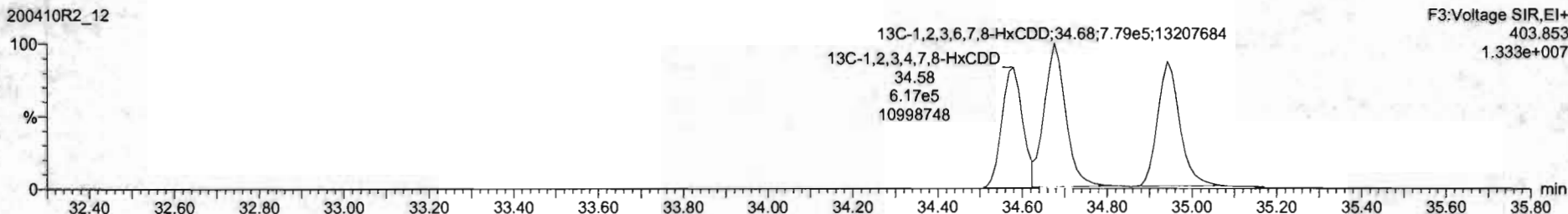


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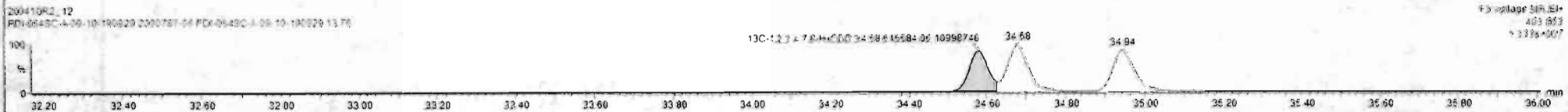
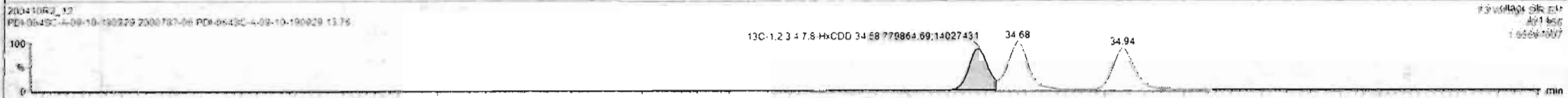
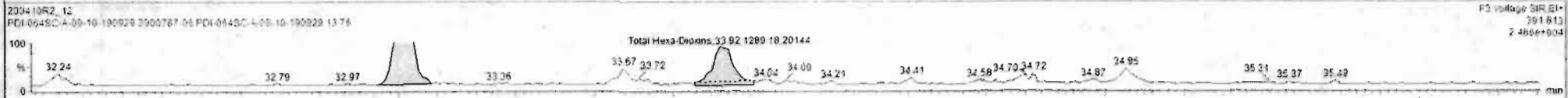
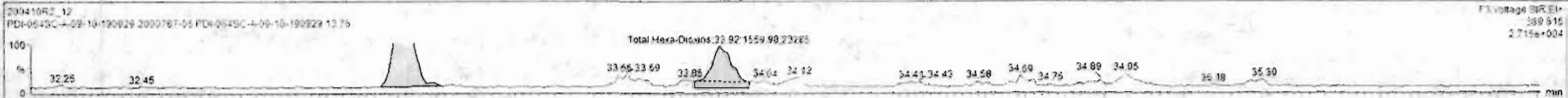
200410R2_12



200410R2_12



Name	Resp	RA	aly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,9-HxCDF	2.0e6	0.51	NO	1.0000	9.999	34.11	1.000	200	100	0.212	
39 Total Tetra-Dioxins				0.9835	9.999			0.359		0.0351	0.444
40 Total Penta-Dioxins				0.9212	9.999			0.257		0.0463	0.309
41 Total Hexa-Dioxins				0.9844	9.999			1.02		0.0334	1.02
42 Total Hepta-Dioxins				1.0061	9.999			2.04		0.123	2.04
43 Total Tetra-Furans				0.9154	9.995					0.00821	
44 1st Func. Penta-Furans				0.9594	9.999					0.00633	
45 Total Penta-Furans				0.9564	9.999					0.00566	
46 Total Hexa-Furans				1.0920	9.995			0.0614		0.0158	0.0614
47 Total Hepta-Furans				1.0483	9.999					0.0108	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



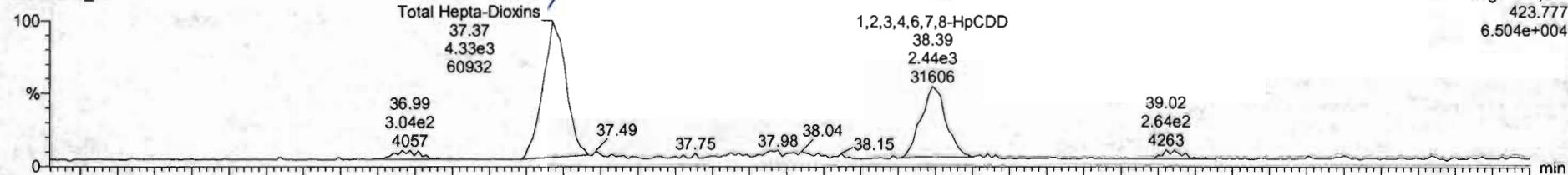
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Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

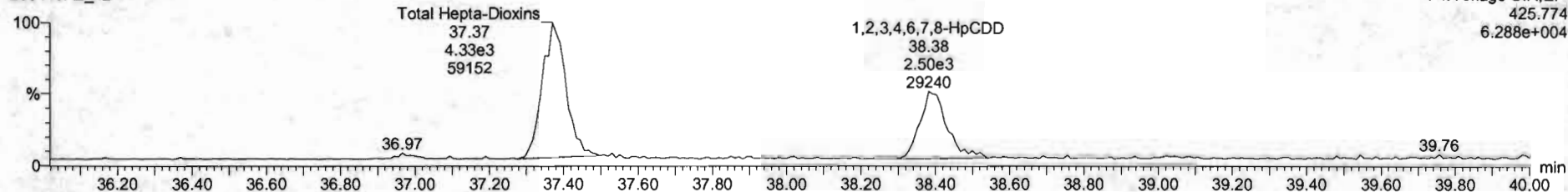
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1,2,3,4,6,7,8-HpCDD

200410R2_12

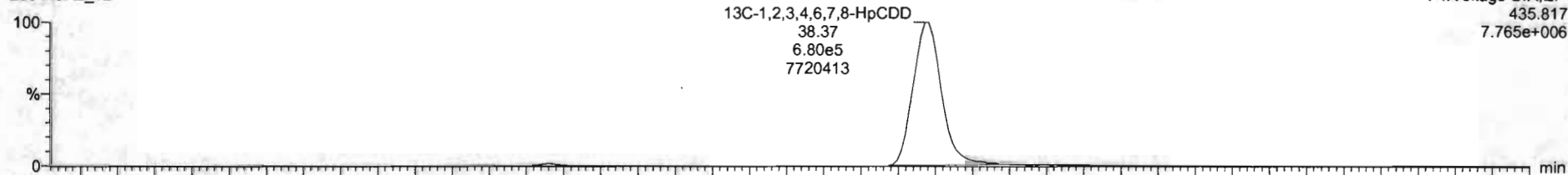


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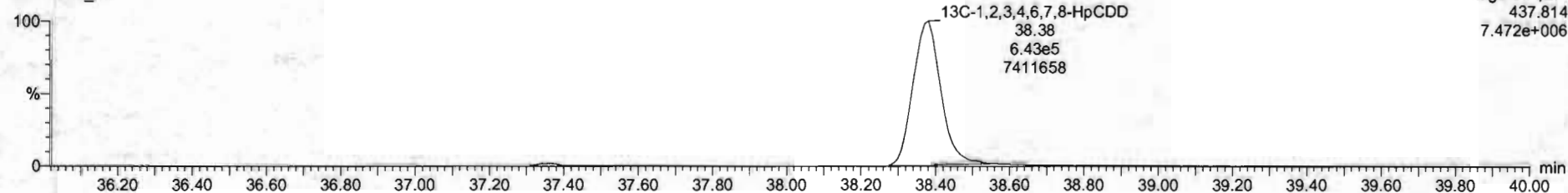


13C-1,2,3,4,6,7,8-HpCDD

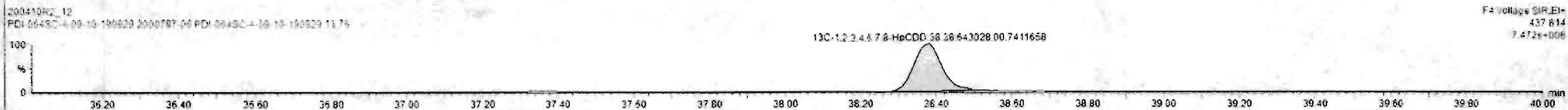
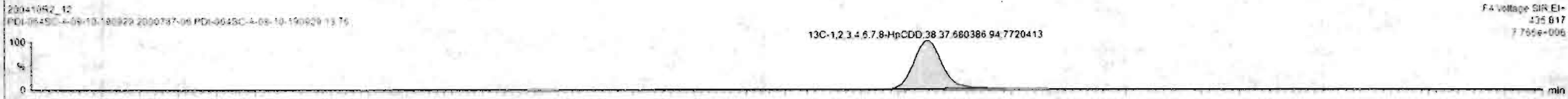
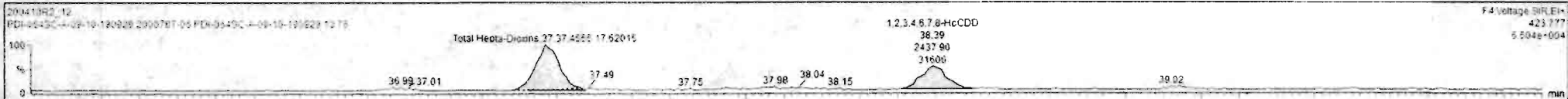
200410R2_12



200410R2_12



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	2.05eE	0.61	NO	1.0000	9.999	34.11	1.000	200	100	0.212	
39 Total Tetra-Dioxins				0.9635	9.999			0.359		0.0351	0.444
40 Total Penta-Dioxins				0.9212	9.999			0.257		0.0462	0.309
41 Total Hexa-Dioxins				0.9844	9.999			1.02		0.0334	1.02
42 Total Hepta-Dioxins				1.0061	9.999			2.04		0.123	2.04
43 Total Tetra-Furans				0.9154	9.999					0.00821	
44 1st Func. Penta-Furans				0.9594	9.999					0.00633	
45 Total Penta-Furans				0.9594	9.999					0.00586	
46 Total Hexa-Furans				1.0920	9.999			0.0614		0.0158	0.0614
47 Total Hepta-Furans				1.0483	9.999					0.0108	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

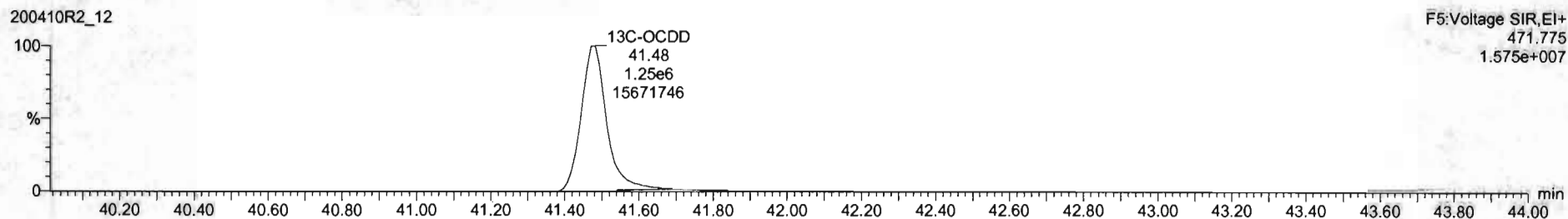
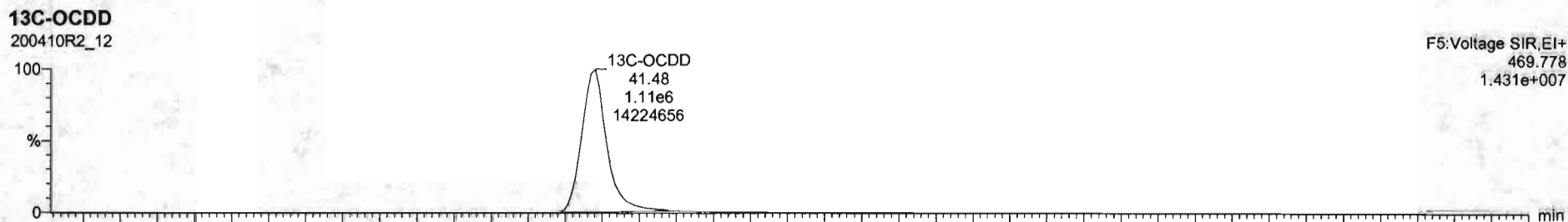
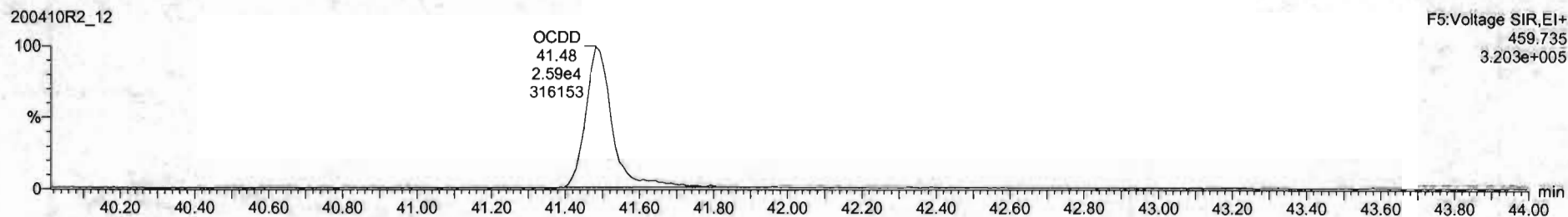
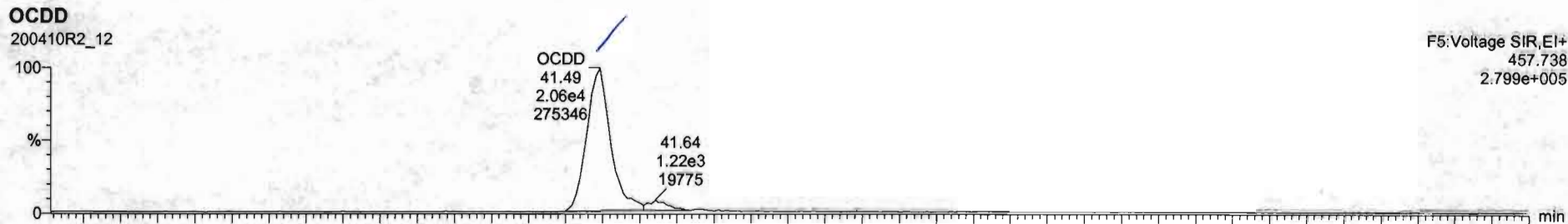


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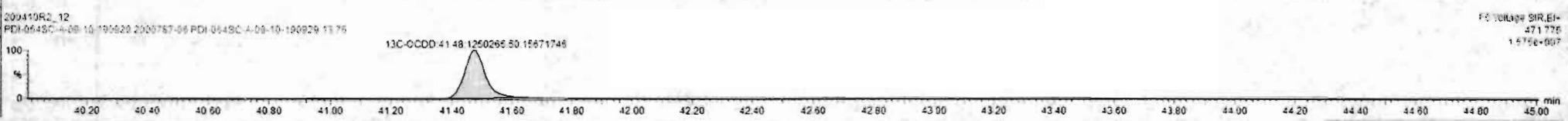
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Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929



Name	Resp	RA	ny	RRF	wtvol	RT	RR1	Conc	%Rec	DL	EMPC
2,3,7,8-TCDD	1.18e3	0.19	YES	0.9825	9.999	25.76	1.001	0.112	0.0351	0.0405	
1,2,3,7,8-PeCDD			NO	0.9212	9.999				0.0463		
1,2,3,4,7,8-HxCDD	4.17e2	0.97	YES	1.1325	9.999	34.89	1.003	0.0527	0.0308	0.0469	
1,2,3,6,7,8-HxCDD			NO	0.9844	9.999				0.0302		
1,2,3,7,8,9-HxCDD	6.15e2	0.93	YES	0.9674	9.999	34.95	1.000	0.0808	0.0356	0.0794	
1,2,3,4,6,7,8-HpCDD	4.93e2	0.98	NO	1.0061	9.999	38.39	1.001	0.741	0.125	0.741	
OCDD	4.50e4	0.84	NO	1.051E	9.999	41.49	1.000	7.25	0.0834	7.25	
2,3,7,8-TCDF			NO	0.9154	9.999				0.0177		
1,2,3,7,8-PeCDF			NO	0.9594	9.999				0.0186		
2,3,4,7,8-PeCDF			NO	1.0035	9.999				0.0152		
1,2,3,4,7,8-HxCDF			NO	1.0381	9.999				0.0153		
1,2,3,6,7,8-HxCDF			NO	1.0128	9.999				0.0147		
2,3,4,6,7,8-HpCDF			NO	1.0820	9.999				0.0154		
1,2,3,7,8,9-HxCDF	5.01e2	1.27	NO	1.0258	9.999	35.28	1.000	0.0614	0.0217	0.0614	
1,2,3,4,6,7,8-HpCDF			NO	1.0482	9.999				0.0217		
1,2,3,4,7,8,9-HxCDF			NO	1.2099	9.999				0.0264		
OCDF	6.24e2	0.79	NO	0.9489	9.999	41.66	1.000	5.100	0.0296	0.100	
13C-2,3,7,8-TCDD	2.49e6	0.77	NO	1.1842	9.999	25.75	1.029	187	93.5	0.111	
13C-1,2,3,7,8-PeCDD	1.88e6	0.63	NO	0.8644	9.999	31.14	1.245	193	96.7	0.137	
13C-1,2,3,4,7,8-HxCDD	1.40e6	1.26	NO	0.7536	9.999	34.58	1.014	181	90.4	0.204	
13C-1,2,3,6,7,8-HxCDD	1.76e6	1.25	NO	0.9254	9.999	34.68	1.017	185	92.1	0.168	

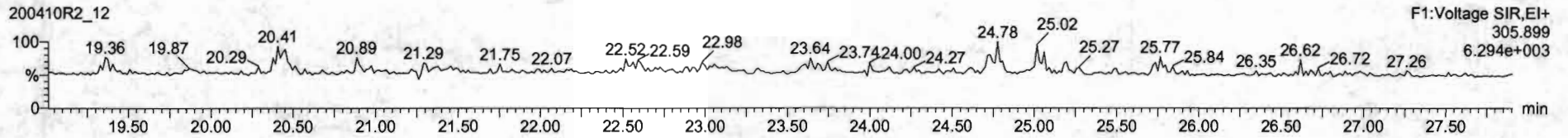
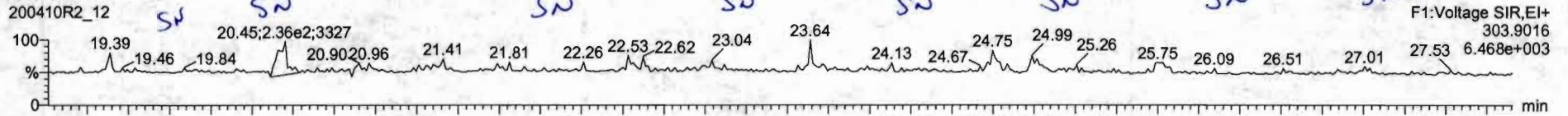


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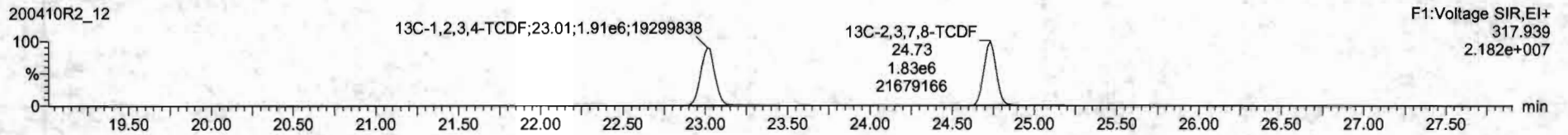
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Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929

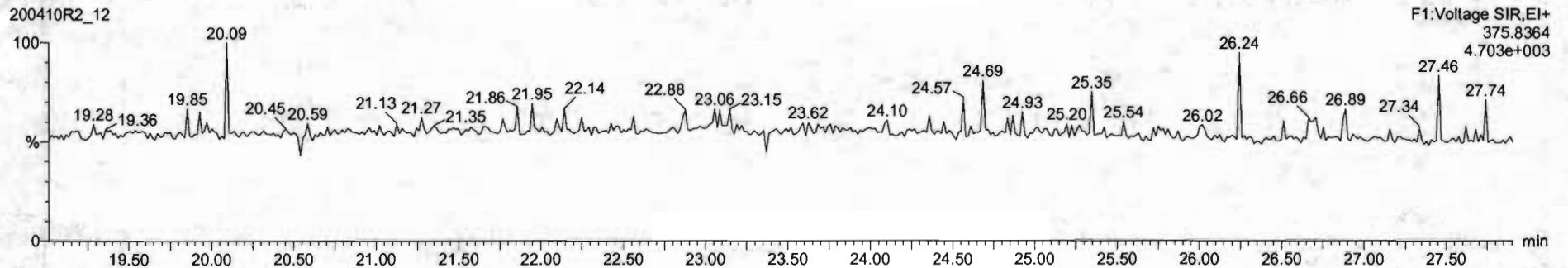
2,3,7,8-TCDF



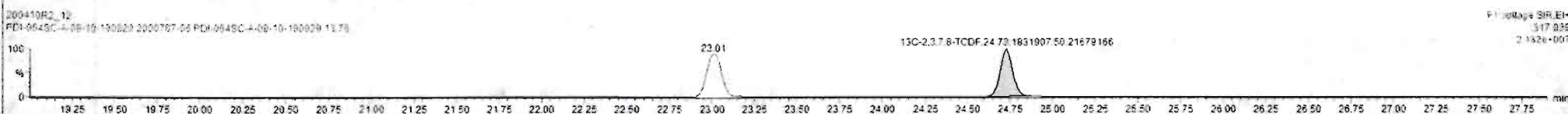
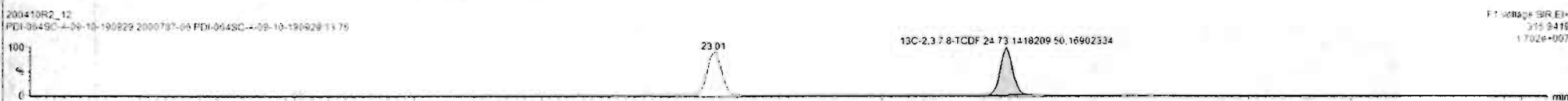
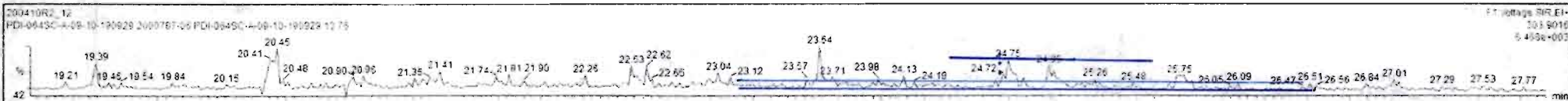
13C-2,3,7,8-TCDF



DPE1



Name	Resp	RA	nty	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	2.05e	0.51	NO	1.0000	9.999	24.11	1.000	200	100	0.212	
39 Total Tetra-Dioxins				0.9835	9.999			0.359		0.0351	0.444
40 Total Penta-Dioxins				0.9212	9.999			0.257		0.0463	0.309
41 Total Hexa-Dioxins				0.9844	9.999			1.02		0.0334	1.02
42 Total Hepta-Dioxins				1.0061	9.999			2.04		0.123	2.04
43 Total Tetra-Furans				0.9154	9.999					0.00821	
44 1st Func. Penta-Furans				0.9594	9.999					0.00633	
45 Total Penta-Furans				0.9594	9.999					0.00586	
46 Total Hexa-Furans				1.0920	9.999			0.0614		0.0153	0.0610
47 Total Hepta-Furans				1.0483	9.999					0.0108	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



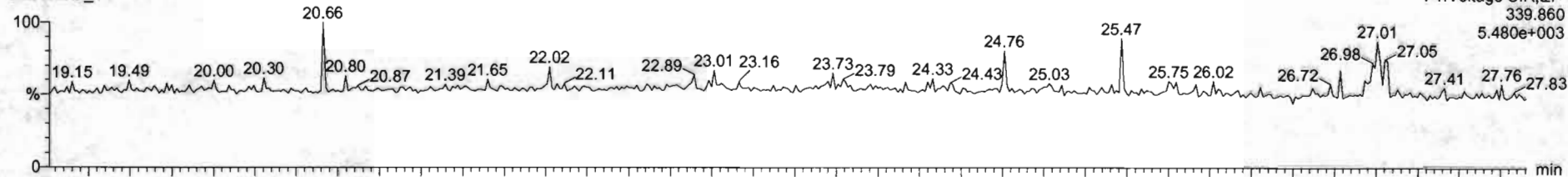
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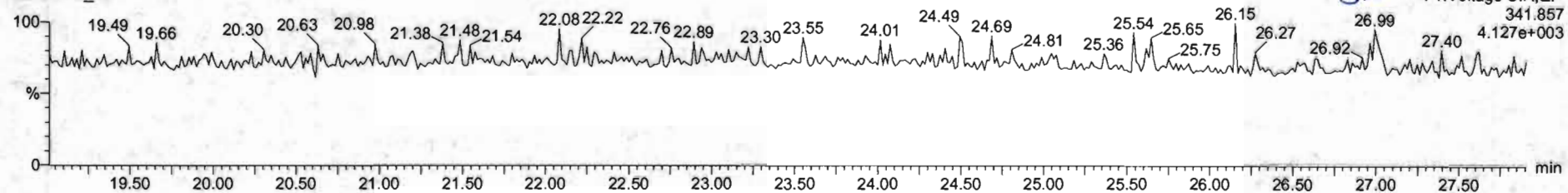
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1st Func. Penta-Furans

200410R2_12

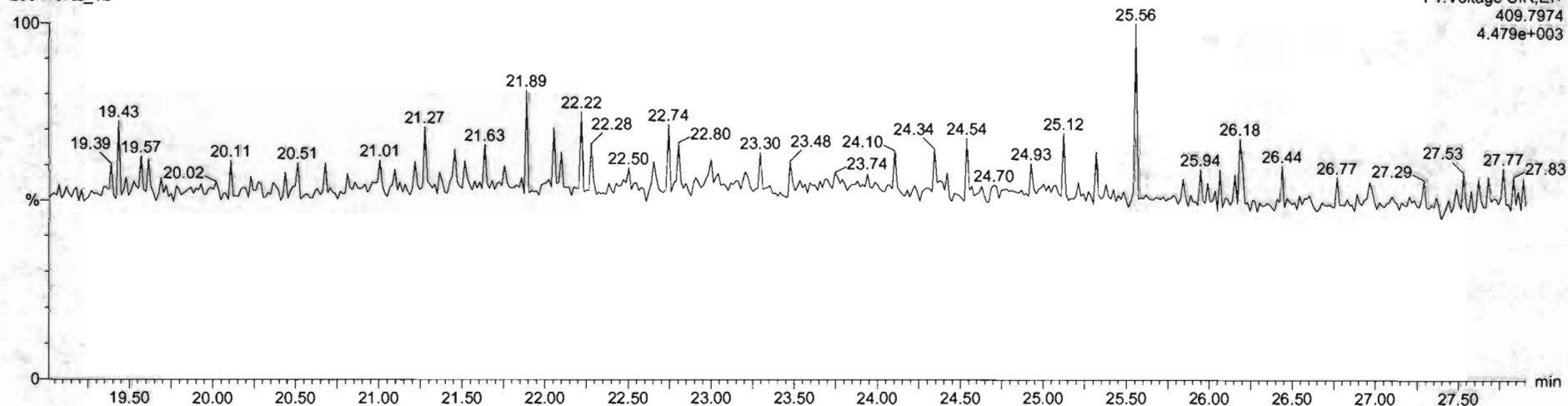


200410R2_12



DPE6

200410R2_12



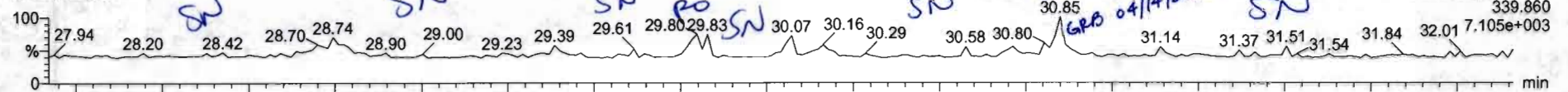
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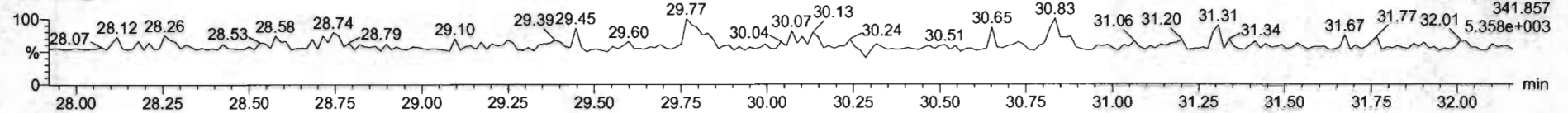
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1,2,3,7,8-PeCDF

200410R2_12

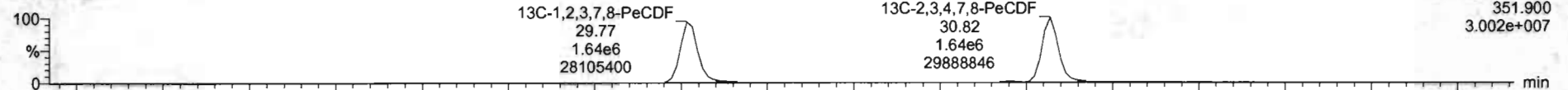


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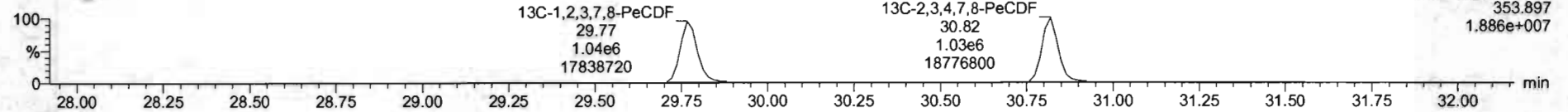


13C-1,2,3,7,8-PeCDF

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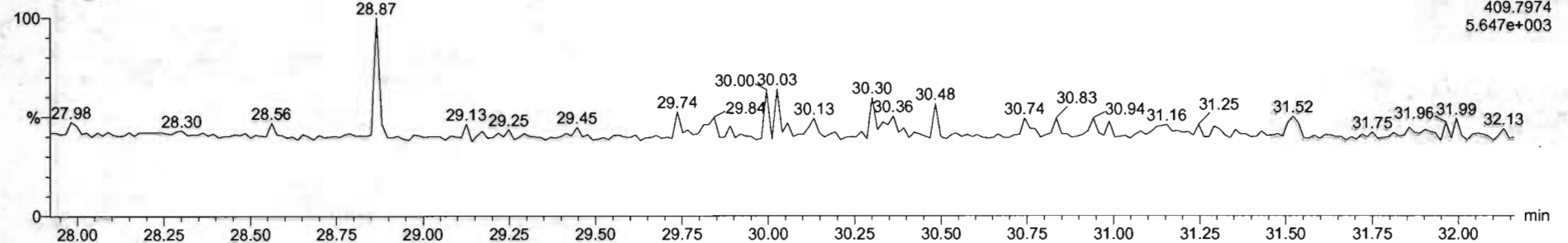


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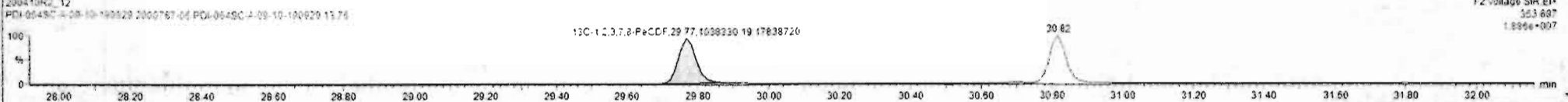
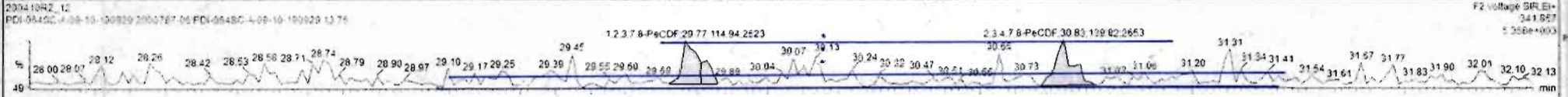
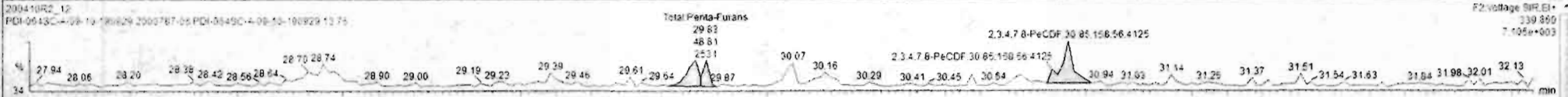


DPE2

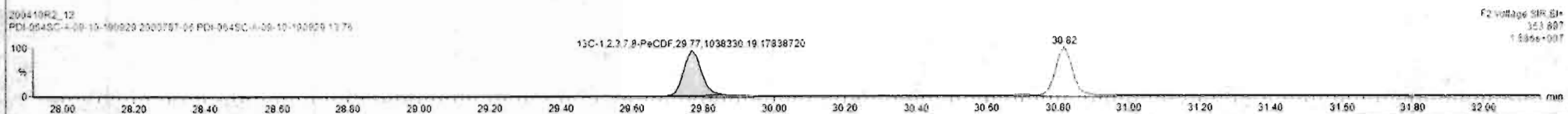
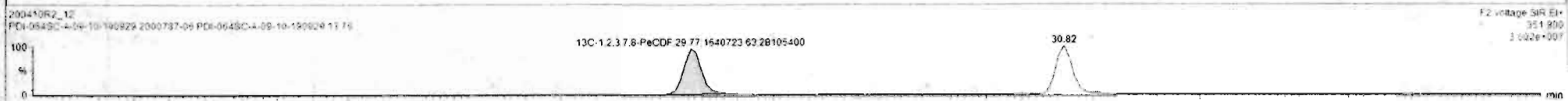
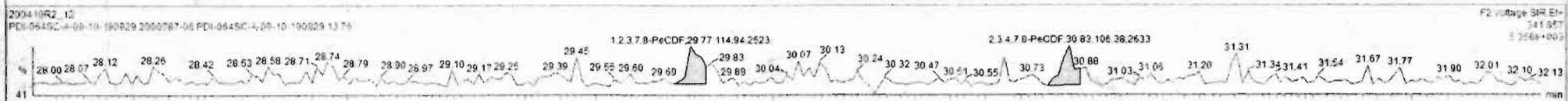
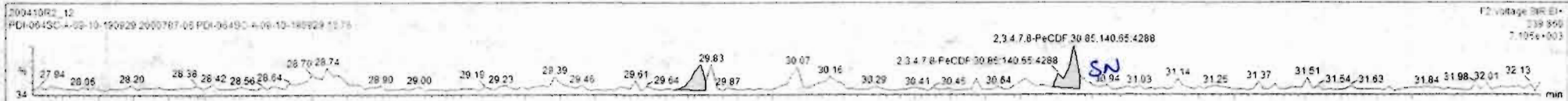
200410R2_12



Name	Resp	RA	nty	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	2.05e6	0.51	NO	1.0000	9.999	34.11	1.000	200	100	0.212	
39 Total Tetra-Dioxins				0.6835	9.999			0.358		0.0361	0.444
40 Total Penta-Dioxins				0.5212	9.999			0.257		0.0463	0.309
41 Total Hexa-Dioxins				0.9844	9.999			1.02		0.0334	1.02
42 Total Hepta-Dioxins				1.0061	9.999			2.04		0.123	2.04
43 Total Tetra-Furans				0.9154	9.995					0.00821	
44 1st Func. Penta-Furane				0.9594	9.999					0.00633	
45 Total Penta-Furans				0.9594	9.999			0.000		0.00566	0.0382
46 Total Hexa-Furans				1.0920	9.995			0.0614		0.0158	0.0614
47 Total Hepta-Furans				1.0483	9.999					0.0108	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Name	Resp	RA	ny	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	2.05e6	0.51	NO	1.0000	9.999	34.11	1.000	200	100	0.212	
39 Total Tetra-Dioxins				0.9235	9.999			0.369		0.0351	0.444
40 Total Penta-Dioxins				0.9212	9.999			0.257		0.0463	0.399
41 Total Hexa-Dioxins				0.9844	9.999			1.02		0.0334	1.02
42 Total Hepta-Dioxins				1.0061	9.999			2.04		0.123	2.04
43 Total Tetra-Furans				0.9154	9.999					0.00821	
44 1st Func. Penta-Furans				0.9584	9.999					0.00632	
45 Total Penta-Furans				0.9584	9.999			0.0185		0.00568	0.0309
46 Total Hexa-Furans				1.0520	9.999			0.0814		0.0153	0.0814
47 Total Hepta-Furans				1.0482	9.999					0.0108	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
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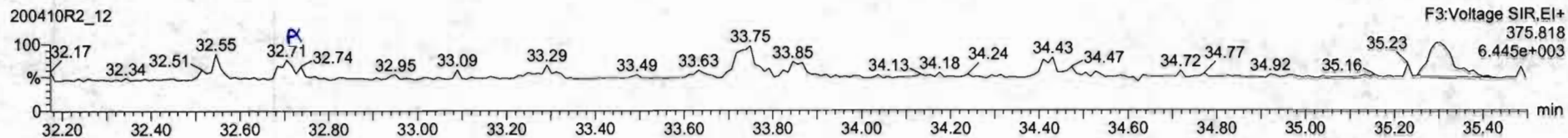
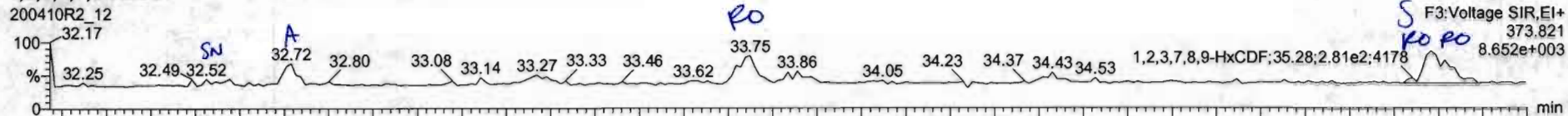


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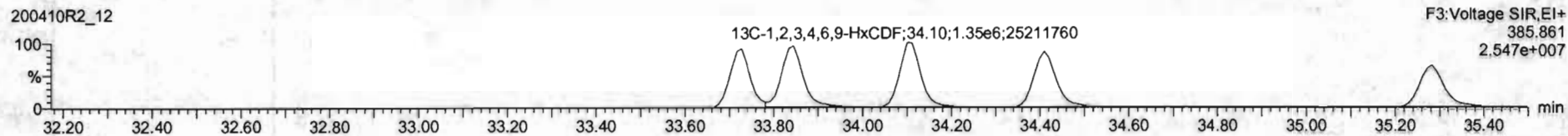
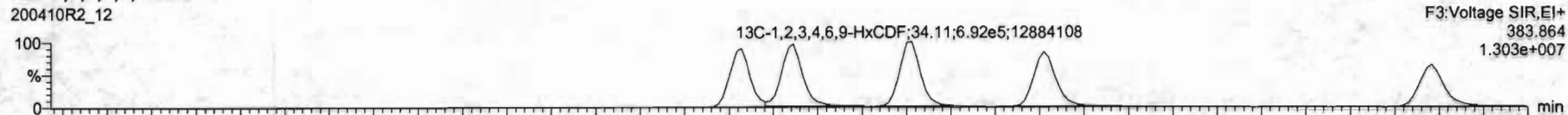
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Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929

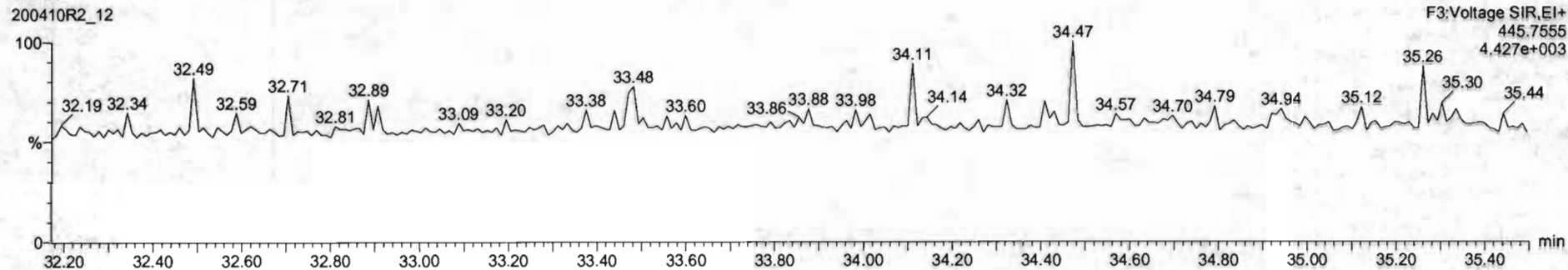
1,2,3,4,7,8-HxCDF



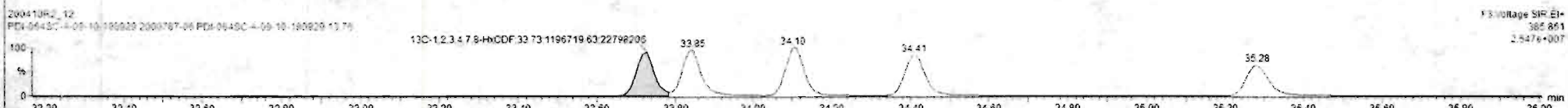
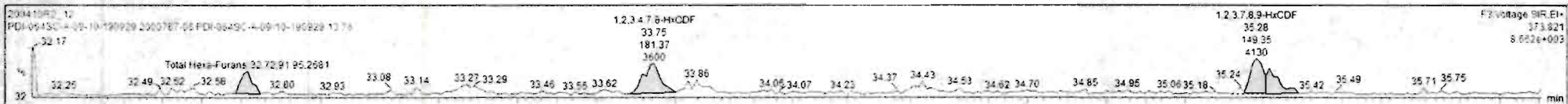
13C-1,2,3,4,7,8-HxCDF



DPE3



ID#	Name	Resp	RA	inj	RRF	wiVol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	2.0Sec	0.51	NO	1.0000	9.999	34.11	1.000		200	100	0.212
39	Total Tetra-Dioxins				0.9835	9.999			0.269		0.0351	0.444
40	Total Penta-Dioxins				0.9212	9.999			0.257		0.0463	0.309
41	Total Hexa-Dioxins				0.9844	9.999			1.02		0.0334	1.02
42	Total Hepta-Dioxins				1.0061	9.999			2.04		0.123	2.04
43	Total Tetra-Furans				0.9154	9.999					0.00821	
44	1st Func. Penta-Furans				0.9594	9.999					0.00633	
45	Total Penta-Furans				0.9594	9.999			0.0185		0.00566	0.0209
46	Total Hexa-Furans				1.0920	9.999			0.0178		0.0158	0.0953
47	Total Hepta-Furans				1.0423	9.999					0.0108	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
53	DPE1											
54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											



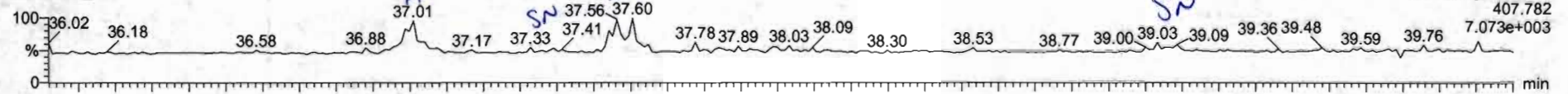
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Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

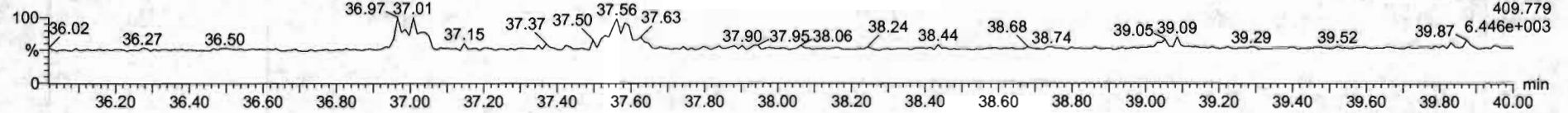
Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929

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

200410R2_12

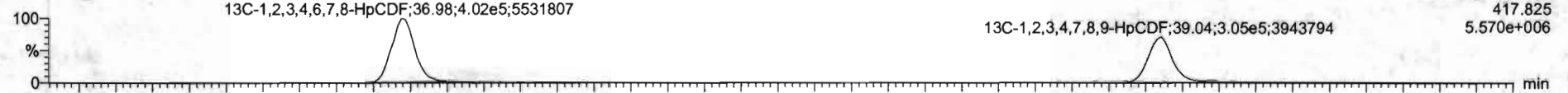


200410R2_12

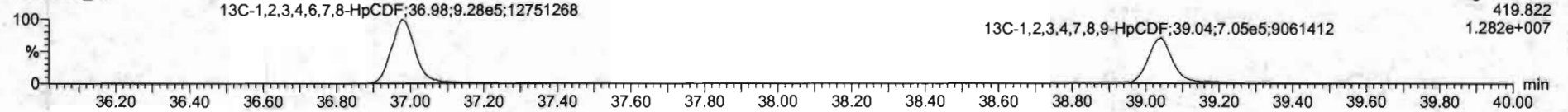


13C-1,2,3,4,6,7,8-HpCDF

200410R2_12

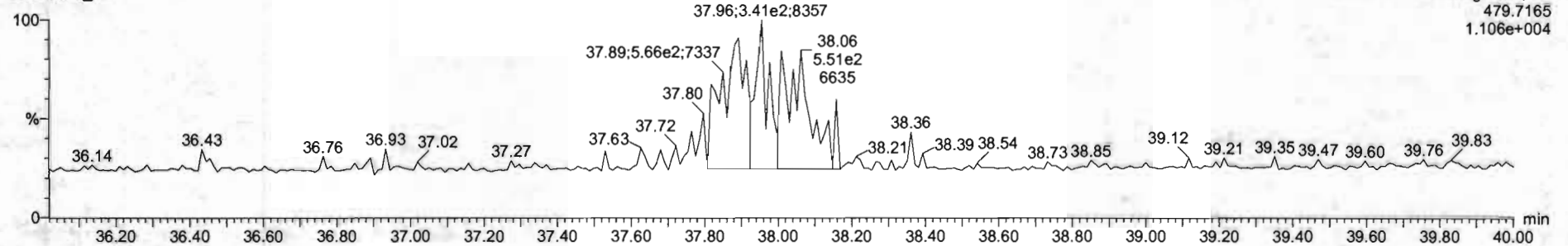


200410R2_12

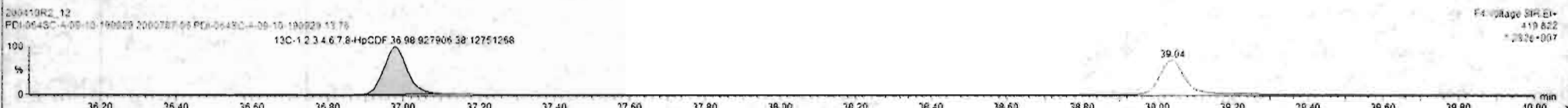
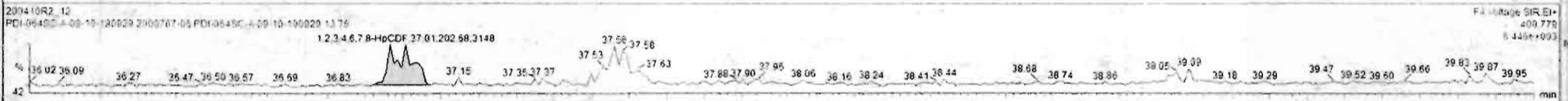
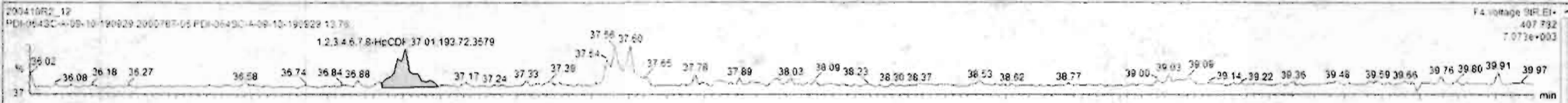


DPE4

200410R2_12



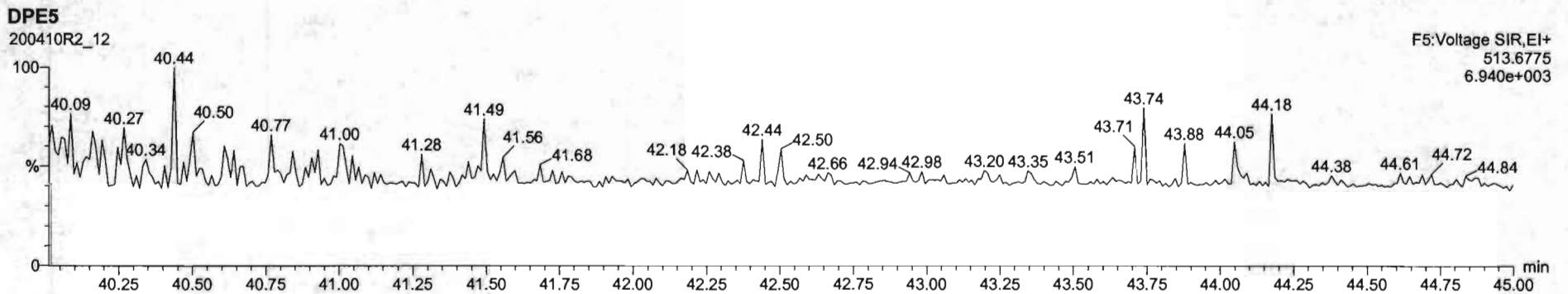
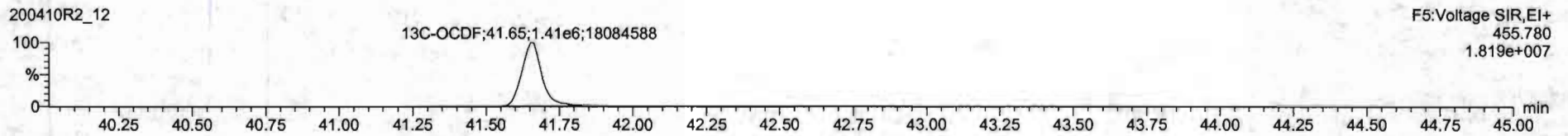
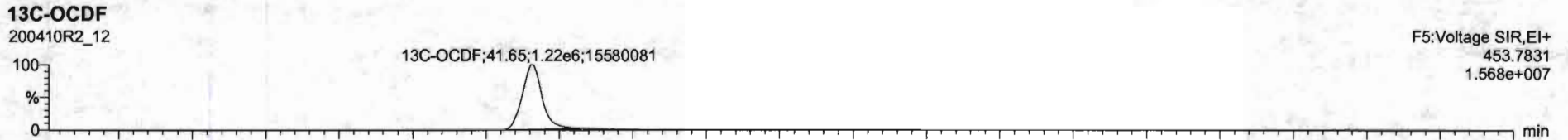
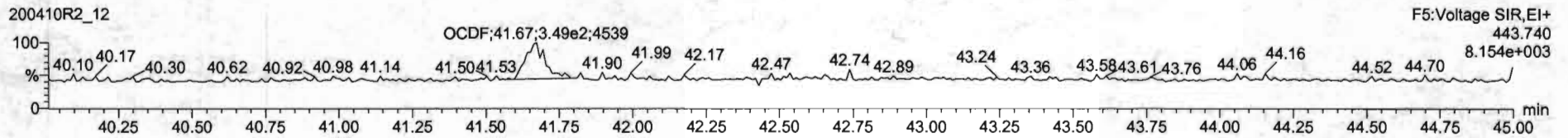
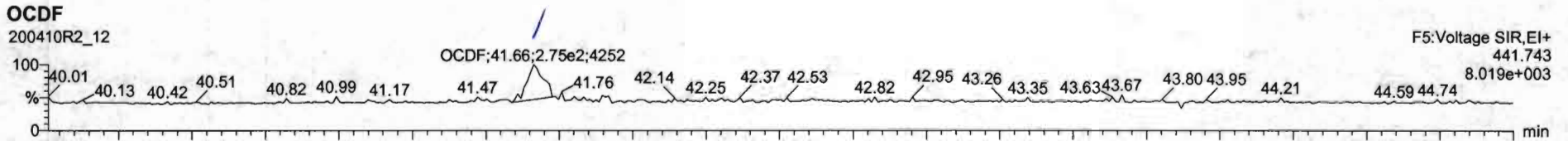
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,7,8-HpCDF	2.05e6	0.51	NO	1.0000	9.999	34.11	1.000	260	100	0.212
39	Total Tetra-Dioxins				0.9235	9.999			0.359		0.444
40	Total Penta-Dioxins				0.5212	9.999			0.257		0.309
41	Total Hexa-Dioxins				0.9844	9.999			1.02		1.02
42	Total Hepta-Dioxins				1.0061	9.999			2.04		2.04
43	Total Tetra-Furans				0.9154	9.999				0.00821	
44	1st Func. Penta-Furans				0.9594	9.999				0.00633	
45	Total Penta-Furans				0.9594	9.999		0.0165		0.00566	0.0309
46	Total Hexa-Furans				1.0920	9.999		0.0178		0.0156	0.0953
47	Total Hepta-Furans				1.0483	9.999		0.0569		0.0108	0.0569
48	PFK1										
49	PFK2										
50	PFK3										
51	PFK4										
52	PFK5										
53	DPE1										
54	DPE2										
55	DPE3										
56	DPE4										
57	DPE5										
58	DPE6										



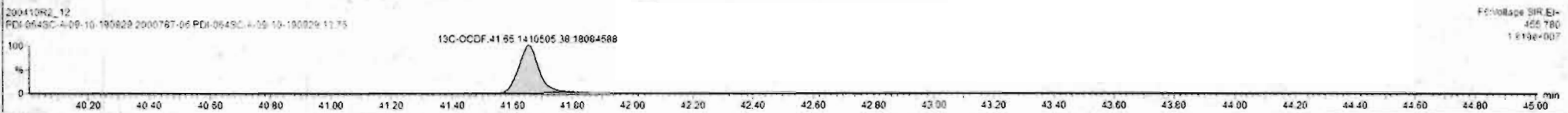
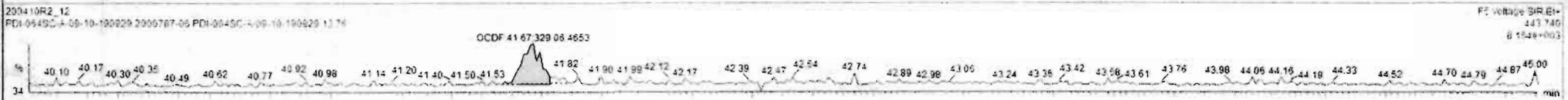
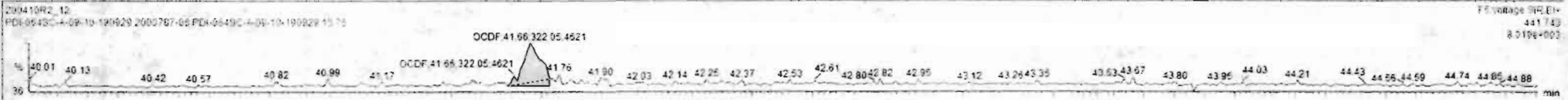
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929



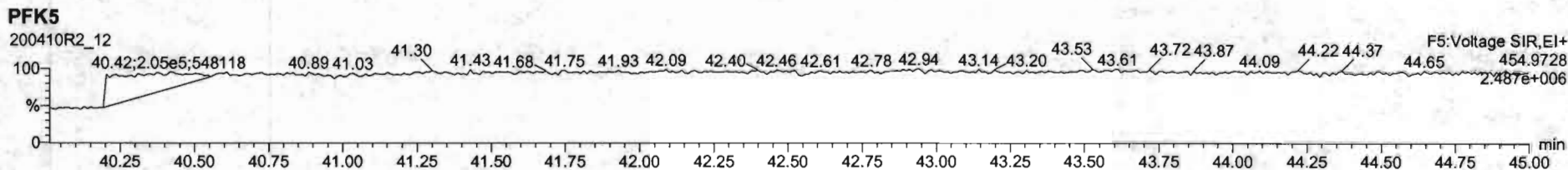
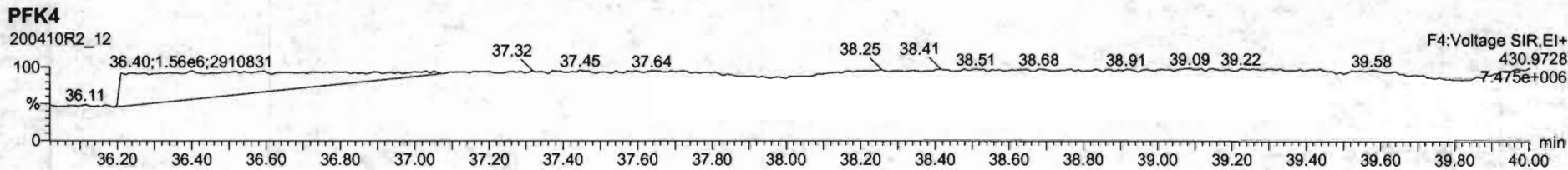
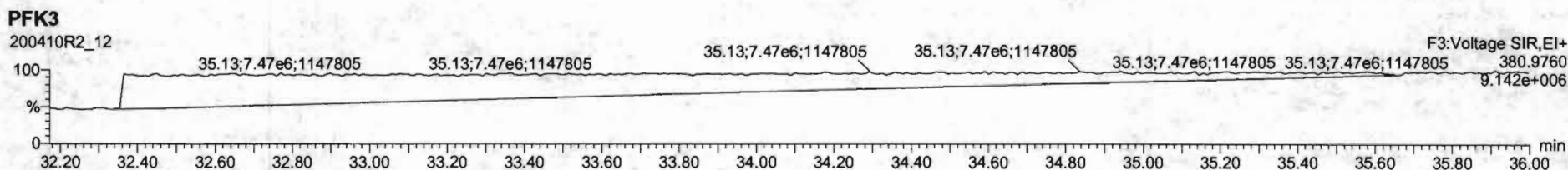
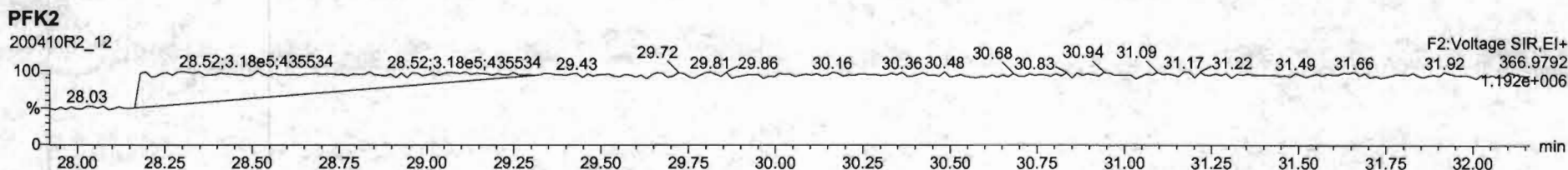
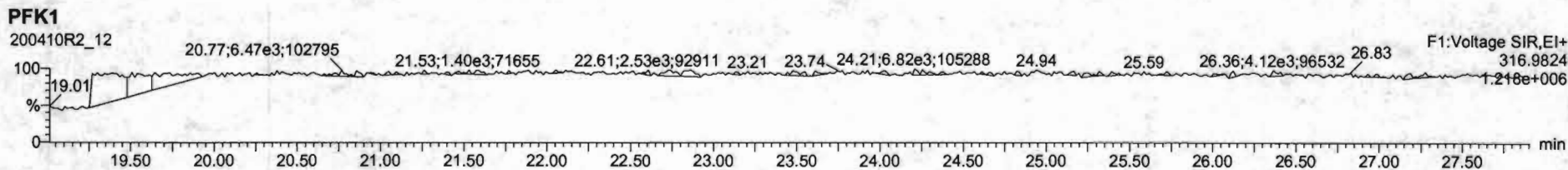
Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.38e3	0.19	YES	0.9835	9.999	25.76	1.001	0.113		0.0351	0.0435
2 1,2,3,7,8-PeCDD			NO	0.9212	9.999					0.0463	
3 1,2,3,4,7,8-HxCDD	4.17e2	0.97	YES	1.1325	9.996	34.69	1.003	0.0527		0.0368	0.0469
4 1,2,3,6,7,8-HxCDD			NO	0.9844	9.999					0.0302	
5 1,2,3,7,8,9-HxCDD	6.15e2	0.93	YES	0.9674	9.999	34.95	1.000	0.0800		0.0356	0.0734
6 1,2,3,4,6,7,8-HpCDD	4.92e3	0.98	NO	1.0061	9.996	38.39	1.001	0.741		0.123	0.741
7 OCDD	4.50e4	0.84	NO	1.0515	9.999	41.48	1.000	7.25		0.0834	7.25
8 2,3,7,8-TCDF			NO	0.9154	9.999					0.0177	
9 1,2,3,7,8-PeCDF			NO	0.9594	9.999					0.0169	
10 2,3,4,7,8-PeCDF			NO	1.0035	9.999					0.0152	
11 1,2,3,4,7,8-HxCDF			NO	1.0381	9.999					0.0153	
12 1,2,3,6,7,8-HxCDF			NO	1.0126	9.999					0.0147	
13 2,3,4,6,7,8-HxCDF			NO	1.0920	9.999					0.0154	
14 1,2,3,7,8,9-HxCDF	5.01e2	1.27	NO	1.0288	9.999	35.25	1.000	0.0614		0.0217	0.0614
15 1,2,3,4,6,7,8-HpCDF			NO	1.0483	9.999					0.0217	
16 1,2,3,4,7,8,9-HpCDF			NO	1.2099	9.999					0.0264	
17 OCDF	8.51e2	0.98	NO	0.9486	9.999	41.66	1.000	0.105		0.0296	0.105
18 13C-2,3,7,8-TCDD	2.49e6	0.77	NO	1.1842	9.999	25.75	1.029	187.93	5	0.111	
19 13C-1,2,3,7,8-PeCDD	1.88e6	0.87	NO	0.9544	9.999	31.14	1.245	193.96	7	0.137	
20 13C-1,2,3,4,7,8-HxCDD	1.40e6	1.26	NO	0.7539	9.996	34.58	1.014	181.90	5	0.204	
21 13C-1,2,3,6,7,8-HxCDD	1.75e6	1.25	NO	0.9254	9.999	34.66	1.017	165.92	7	0.158	



Dataset: Untitled

Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
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Name: 200410R2_12, Date: 11-Apr-2020, Time: 05:30:17, ID: 2000787-06 PDI-064SC-A-09-10-190929 13.76, Description: PDI-064SC-A-09-10-190929



Dataset: U:\VG12.PRO\Results\200410R2\200410R2-13.qld

Last Altered: Tuesday, April 14, 2020 12:15:54 Pacific Daylight Time

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GRB 04/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

CT 04/14/2020

Name: 200410R2_13, Date: 11-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929

#	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	0.983	10.001	25.781		1.001				0.0348	
2	2 1,2,3,7,8-PeCDD	5.32e2	0.90	YES	0.921	10.001	31.162	31.16	1.001	1.000	0.065781		0.0860	0.0563
3	3 1,2,3,4,7,8-HxCDD			NO	1.13	10.001	34.590		1.000				0.0374	
4	4 1,2,3,6,7,8-HxCDD	6.42e2	1.46	YES	0.984	10.001	34.687	34.70	1.000	1.000	0.078899		0.0361	0.0720
5	5 1,2,3,7,8,9-HxCDD	1.23e3	1.31	NO	0.967	10.001	34.963	34.96	1.000	1.000	0.16833		0.0438	0.168
6	6 1,2,3,4,6,7,8-HpCDD	8.73e3	1.06	NO	1.01	10.001	38.394	38.40	1.000	1.001	1.3607		0.0802	1.36
7	7 OCDD	8.65e4	0.86	NO	1.05	10.001	41.471	41.47	1.000	1.000	14.534		0.0860	14.5
8	8 2,3,7,8-TCDF			NO	0.915	10.001	24.743		1.001				0.0182	
9	9 1,2,3,7,8-PeCDF			NO	0.959	10.001	29.788		1.001				0.0237	
10	10 2,3,4,7,8-PeCDF			NO	1.00	10.001	30.851		1.001				0.0212	
11	11 1,2,3,4,7,8-HxCDF			NO	1.04	10.001	33.728		1.000				0.0183	
12	12 1,2,3,6,7,8-HxCDF			NO	1.01	10.001	33.855		1.000				0.0179	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.001	34.454		1.001				0.0187	
14	14 1,2,3,7,8,9-HxCDF	2.29e2	0.91	YES	1.03	10.001	35.294	35.28	1.000	1.000	0.029931		0.0186	0.0258
15	15 1,2,3,4,6,7,8-HpCDF	3.25e2	1.04	NO	1.05	10.001	37.024	37.01	1.001	1.001	0.048198		0.0141	0.0482
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.21	10.001	39.032		1.000				0.0264	
17	17 OCDF			NO	0.947	10.001	41.641		1.000				0.0270	
18	18 13C-2,3,7,8-TCDD	2.24e6	0.78	NO	1.18	10.001	25.720	25.75	1.029	1.030	183.53	91.8	0.151	
19	19 13C-1,2,3,7,8-PeCDD	1.76e6	0.63	NO	0.864	10.001	30.900	31.14	1.236	1.246	197.50	98.8	0.122	
20	20 13C-1,2,3,4,7,8-HxCDD	1.37e6	1.26	NO	0.754	10.001	34.585	34.58	1.014	1.014	193.58	96.8	0.314	
21	21 13C-1,2,3,6,7,8-HxCDD	1.65e6	1.27	NO	0.925	10.001	34.694	34.69	1.017	1.017	190.41	95.2	0.256	
22	22 13C-1,2,3,7,8,9-HxCDD	1.51e6	1.25	NO	0.829	10.001	34.957	34.95	1.025	1.025	194.38	97.2	0.285	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.28e6	1.02	NO	0.598	10.001	38.429	38.38	1.127	1.125	227.63	114	0.381	
24	24 13C-OCDD	2.27e6	0.90	NO	0.571	10.001	41.592	41.47	1.219	1.216	423.55	106	0.349	
25	25 13C-2,3,7,8-TCDF	2.81e6	0.78	NO	1.09	10.001	24.742	24.72	0.990	0.989	165.96	83.0	0.213	
26	26 13C-1,2,3,7,8-PeCDF	2.51e6	1.60	NO	0.876	10.001	29.572	29.77	1.183	1.191	184.46	92.2	0.260	
27	27 13C-2,3,4,7,8-PeCDF	2.43e6	1.58	NO	0.844	10.001	30.582	30.82	1.223	1.233	185.14	92.6	0.271	
28	28 13C-1,2,3,4,7,8-HxCDF	1.75e6	0.51	NO	1.00	10.001	33.729	33.73	0.989	0.989	187.14	93.6	0.314	
29	29 13C-1,2,3,6,7,8-HxCDF	1.93e6	0.51	NO	1.12	10.001	33.838	33.85	0.992	0.992	184.54	92.3	0.281	
30	30 13C-2,3,4,6,7,8-HxCDF	1.75e6	0.51	NO	1.04	10.001	34.421	34.42	1.009	1.009	180.35	90.2	0.303	
31	31 13C-1,2,3,7,8,9-HxCDF	1.49e6	0.51	NO	0.873	10.001	35.298	35.29	1.035	1.035	182.02	91.0	0.360	

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-13.qld

Last Altered: Tuesday, April 14, 2020 12:15:54 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 12:16:32 Pacific Daylight Time

ID: 200 Name: 200410R2_13, Date: 14-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.29e6	0.43	NO	0.771	10.001	37.021	36.99	1.085	1.084	178.48	89.2	0.295	
33	33 13C-1,2,3,4,7,8,9-HpCDF	9.65e5	0.45	NO	0.519	10.001	39.115	39.03	1.147	1.144	198.54	99.3	0.438	
34	34 13C-OCDF	2.54e6	0.87	NO	0.696	10.001	41.772	41.64	1.225	1.221	389.00	97.3	0.231	
35	35 37Cl-2,3,7,8-TCDD	8.62e5			1.17	10.001	25.730	25.78	1.029	1.031	71.362	89.2	0.0315	
36	36 13C-1,2,3,4-TCDD	2.06e6	0.79	NO	1.00	10.001	25.050	25.00	1.000	1.000	199.98	100	0.179	
37	37 13C-1,2,3,4-TCDF	3.11e6	0.78	NO	1.00	10.001	23.190	23.00	1.000	1.000	199.98	100	0.232	
38	38 13C-1,2,3,4,6,9-HxCDF	1.87e6	0.51	NO	1.00	10.001	34.040	34.11	1.000	1.000	199.98	100	0.314	
39	39 Total Tetra-Dioxins				0.983	10.001	24.620		0.000		0.27522		0.0348	0.275
40	40 Total Penta-Dioxins				0.921	10.001	29.960		0.000		0.18877		0.0360	0.553
41	41 Total Hexa-Dioxins				0.984	10.001	33.635		0.000		2.0181		0.0412	2.09
42	42 Total Hepta-Dioxins				1.01	10.001	37.640		0.000		3.7207		0.0802	3.72
43	43 Total Tetra-Furans				0.915	10.001	23.610		0.000		0.022738		0.00765	0.0227
44	44 1st Func. Penta-Furans				0.959	10.001	27.090		0.000				0.00485	
45	45 Total Penta-Furans				0.959	10.001	29.275		0.000				0.00989	
46	46 Total Hexa-Furans				1.09	10.001	33.555		0.000		0.017882		0.00986	0.0837
47	47 Total Hepta-Furans				1.05	10.001	37.835		0.000		0.048198		0.0164	0.0482

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-13.qld

Last Altered: Tuesday, April 14, 2020 12:15:54 Pacific Daylight Time

Printed: Tuesday, April 14, 2020 12:16:32 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_13, Date: 11-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	23.22	1.720e4	1.516e4	1.397e3	1.630e3	0.86	NO	3.027e3	0.27522	0.27522	0.0348

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.81	6.005e3	9.993e3	3.863e2	6.398e2	0.60	NO	1.026e3	0.12682	0.12682	0.0360
2	Total Penta-Dioxins	29.29	8.355e3	1.602e4	5.071e2	9.814e2	0.52	YES	0.000e0	0.00000	0.16216	0.0360
3	Total Penta-Dioxins	30.36	5.413e3	1.036e4	2.806e2	7.513e2	0.37	YES	0.000e0	0.00000	0.089715	0.0360
4	Total Penta-Dioxins	30.41	6.074e3	9.377e3	1.749e2	3.263e2	0.54	NO	5.013e2	0.061951	0.061951	0.0360
5	1,2,3,7,8-PeCDD	31.16	4.562e3	6.269e3	2.529e2	2.794e2	0.90	YES	5.323e2	0.00000	0.056285	0.0360
6	Total Penta-Dioxins	31.55	5.034e3	4.651e3	2.462e2	2.781e2	0.89	YES	0.000e0	0.00000	0.056027	0.0360

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.12	9.339e4	6.833e4	4.430e3	3.547e3	1.25	NO	7.977e3	1.0741	1.0741	0.0412
2	Total Hexa-Dioxins	33.69	1.331e4	1.024e4	8.171e2	6.538e2	1.25	NO	1.471e3	0.19804	0.19804	0.0412
3	Total Hexa-Dioxins	33.92	3.587e4	2.978e4	2.427e3	1.862e3	1.30	NO	4.290e3	0.57760	0.57760	0.0412
4	1,2,3,6,7,8-HxCDD	34.70	7.654e3	5.158e3	3.806e2	2.610e2	1.46	YES	6.417e2	0.00000	0.071990	0.0381
5	1,2,3,7,8,9-HxCDD	34.96	1.239e4	1.011e4	6.963e2	5.330e2	1.31	NO	1.229e3	0.16833	0.16833	0.0438

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.37	9.840e4	9.658e4	7.488e3	7.651e3	0.98	NO	1.514e4	2.3600	2.3600	0.0802
2	1,2,3,4,6,7,8-HpCDD	38.40	5.789e4	5.892e4	4.484e3	4.245e3	1.06	NO	8.729e3	1.3607	1.3607	0.0802

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-13.qld

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200410R2-13.qld, Date: 14-Apr-2020, Time: 02:18:00, ID: 2000787-07, PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.42	1.836e3	2.380e3	1.185e2	1.742e2	0.68	NO	2.926e2	0.022738	0.022738	0.00765

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	32.51	2.085e3	1.855e3	8.846e1	8.049e1	1.10	NO	1.689e2	0.017882	0.017882	0.00986
2	Total Hexa-Furans	32.73	3.450e3	3.463e3	1.418e2	1.694e2	0.84	YES	0.000e0	0.00000	0.027116	0.00986
3	1,2,3,7,8,9-HxCDF	35.28	3.412e3	3.777e3	1.093e2	1.194e2	0.91	YES	2.287e2	0.00000	0.025830	0.0136
4	Total Hexa-Furans	35.33	3.904e3	1.866e3	2.440e2	5.440e1	4.49	YES	0.000e0	0.00000	0.012897	0.00986

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.01	3.552e3	2.127e3	1.662e2	1.592e2	1.04	NO	3.255e2	0.048198	0.048198	0.0141

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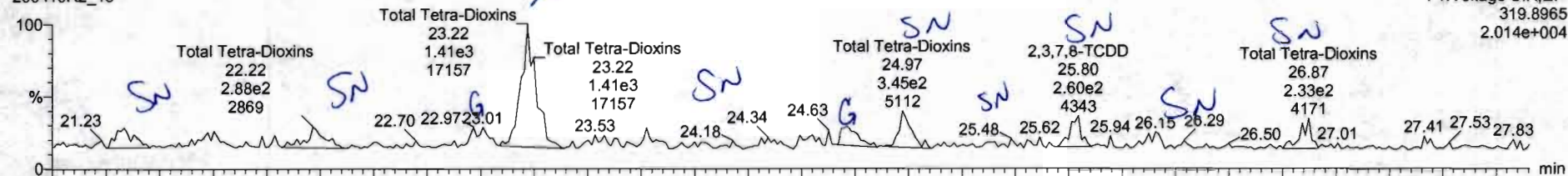
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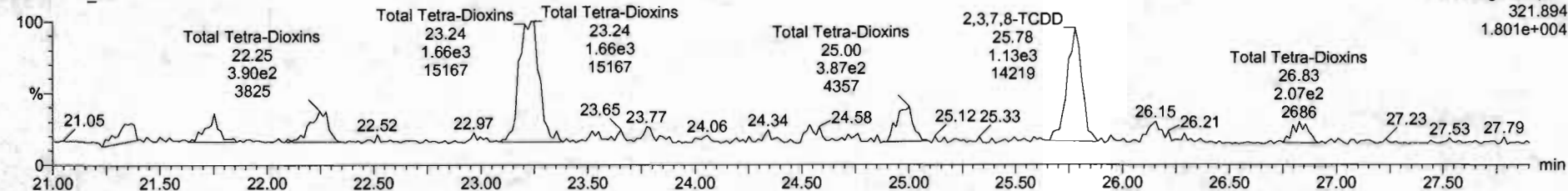
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2,3,7,8-TCDD

200410R2_13

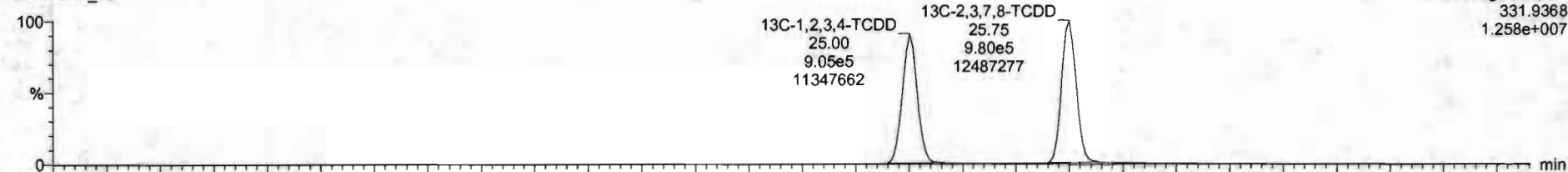


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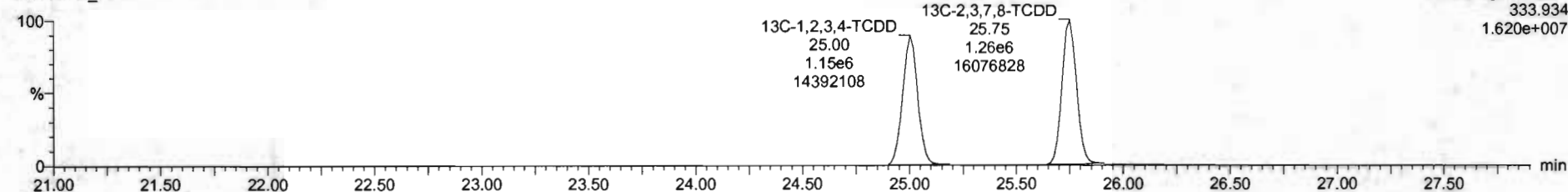


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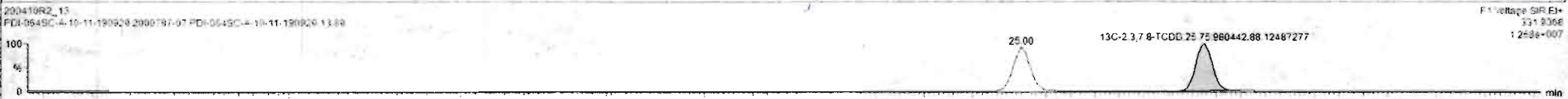
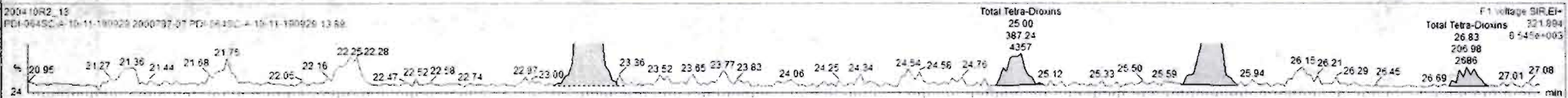
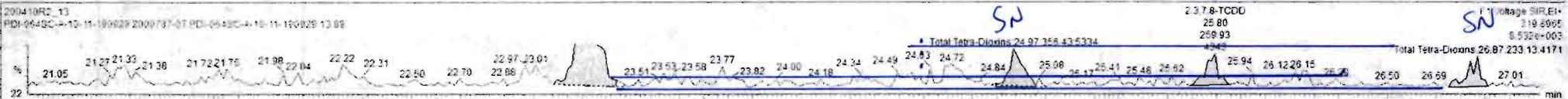
200410R2_13



200410R2_13



KL	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,8-HxCDF	1.87eE	0.51	NO	1.0000	10.001	24.11	1.000	200	100	0.314	
39	Total Tetra-Dioxins				0.9835	10.001			0.275		0.0348	0.425
40	Total Penta-Dioxins				0.9212	10.001			0.127		0.0360	0.396
41	Total Hexa-Dioxins				0.9844	10.001			1.25		0.0412	2.90
42	Total Hepta-Dioxins				1.0061	10.001			3.72		0.0602	3.72
43	Total Tetra-Furans				0.9154	10.001					0.00765	
44	1st Func. Penta-Furans				0.9594	10.001					0.00485	
45	Total Penta-Furans				0.9594	10.001					0.00569	
46	Total Hexa-Furans				1.0920	10.001					0.00466	
47	Total Hepta-Furans				1.0423	10.001					0.0164	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											
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54	DPE2											
55	DPE3											
56	DPE4											
57	DPE5											
58	DPE6											

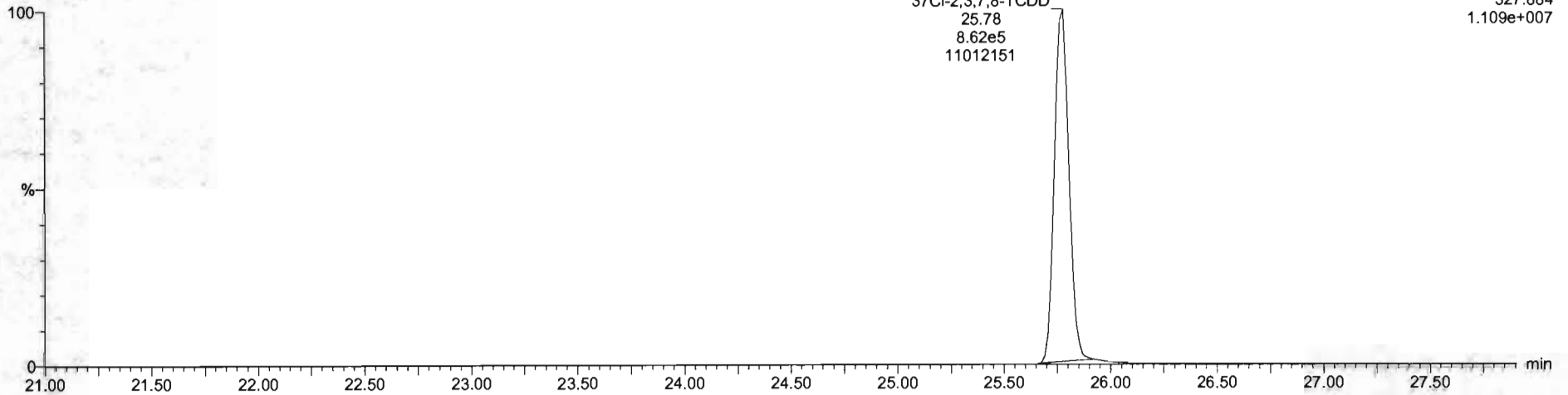


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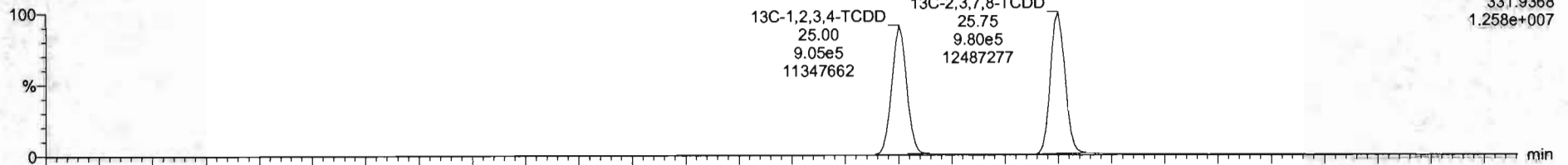
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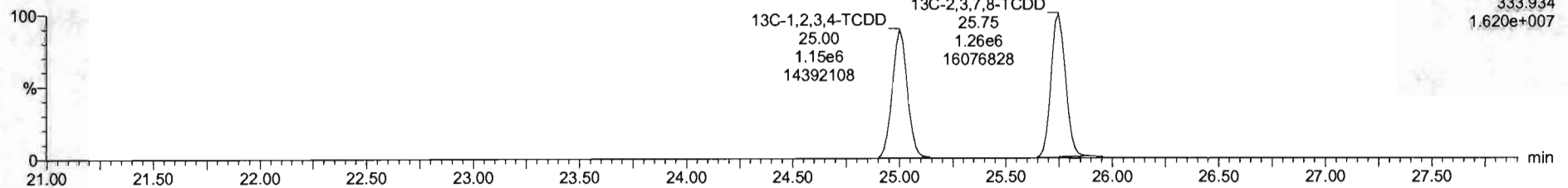
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13C-1,2,3,4-TCDD
200410R2_13



200410R2_13



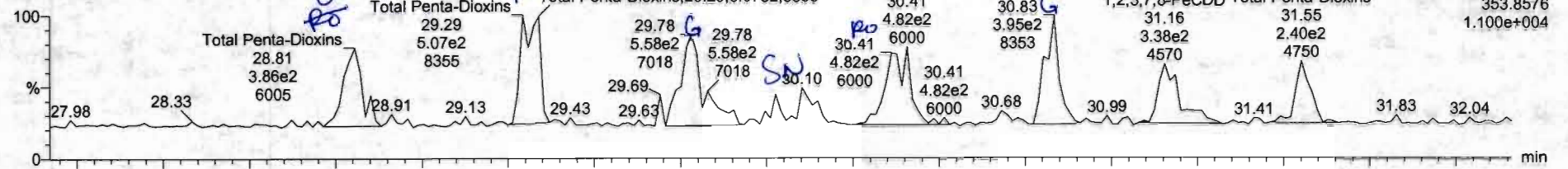
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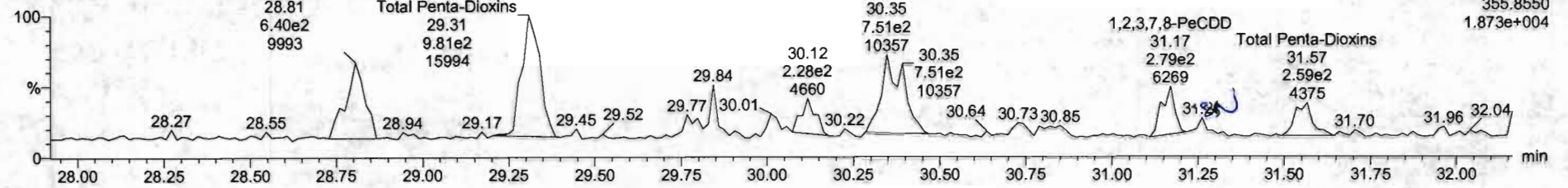
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1,2,3,7,8-PeCDD

200410R2_13

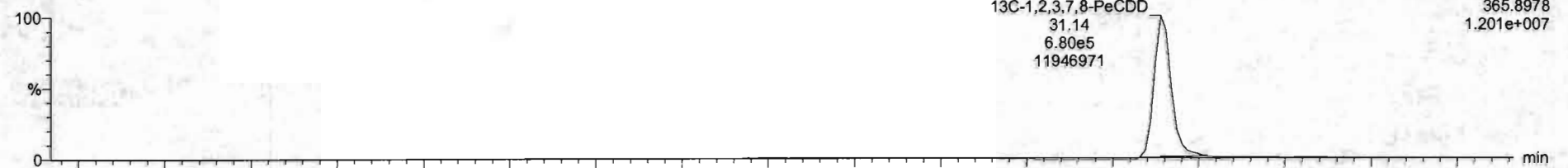


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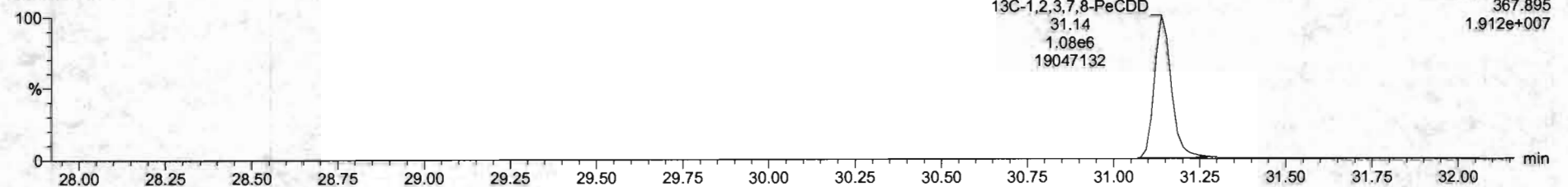


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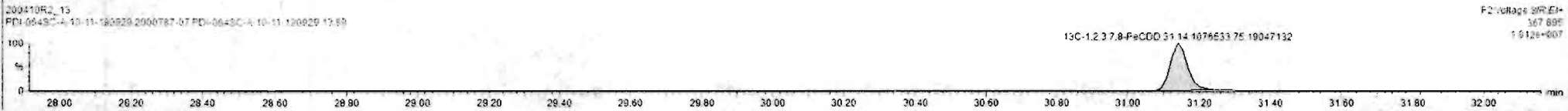
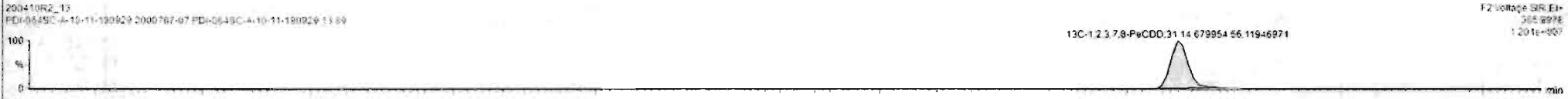
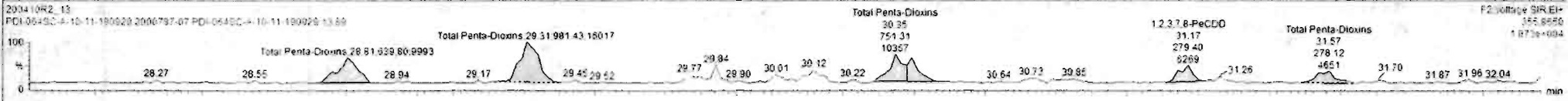
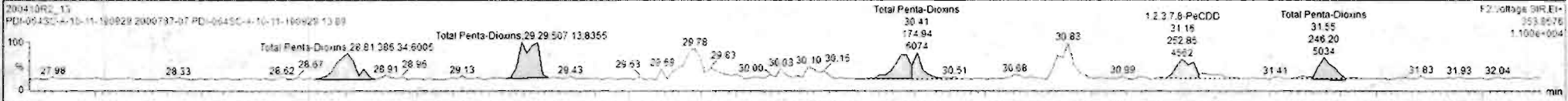
200410R2_13



200410R2_13



Name	Resp	RA	ny	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
38	13C-1,2,3,4,6,9-HxCDF	1.87e6	0.51	NO	1.0003	10.001	34.11	1.000	200	100	0.314
39	Total Tetra-Dioxins				0.9235	10.001			0.275		0.0348 0.275
40	Total Penta-Dioxins				0.9212	10.001			0.189		0.0360 0.553
41	Total Hexa-Dioxins				0.9844	10.001			1.26		0.0412 2.00
42	Total Hepta-Dioxins				1.0261	10.001			3.72		0.0602 3.72
43	Total Tetra-Furans				0.9154	10.001					0.00765
44	1st Func. Penta-Furans				0.9594	10.001					0.00485
45	Total Penta-Furans				0.9594	10.001					0.00989
46	Total Hexa-Furans				1.0523	10.001					0.00966
47	Total Hepta-Furans				1.0423	10.001					0.0164
48	PFK1										
49	PFK2										
50	PFK3										
51	PFK4										
52	PFK5										
53	DPE1										
54	DPE2										
55	DPE3										
56	DPE4										
57	DPE5										
58	DPE6										



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200410R2_13 CAP NUM

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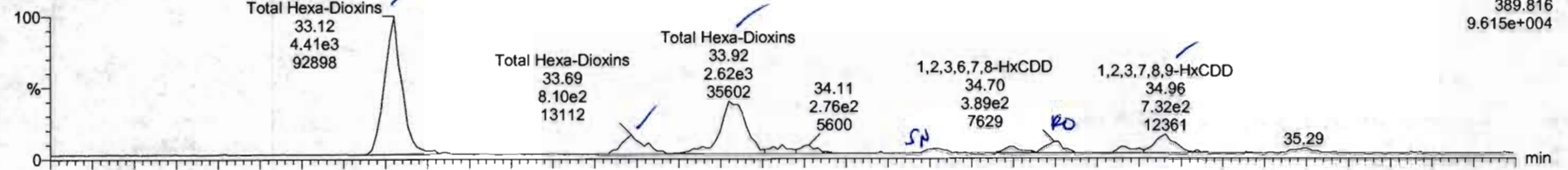
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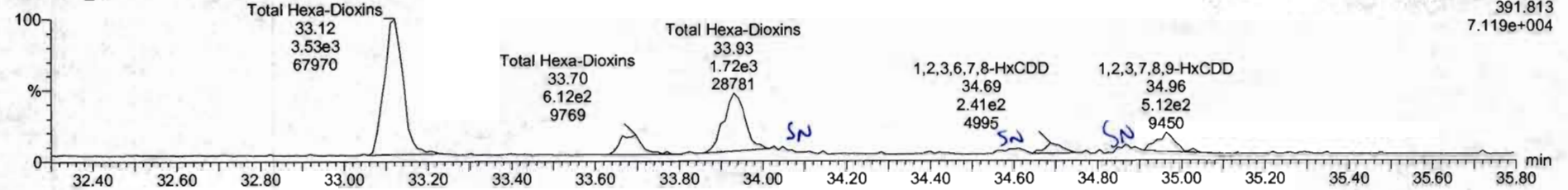
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1,2,3,4,7,8-HxCDD

200410R2_13



200410R2_13

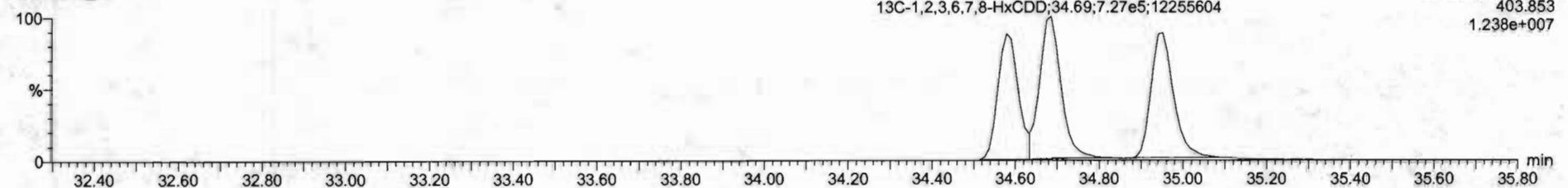


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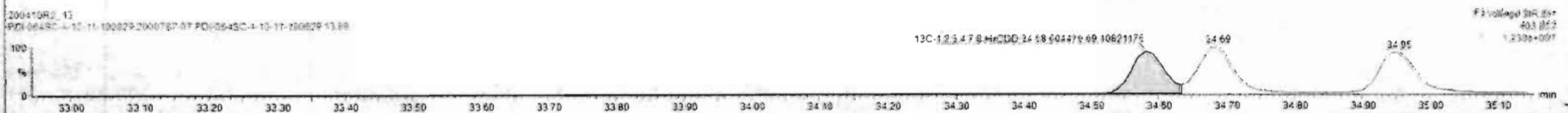
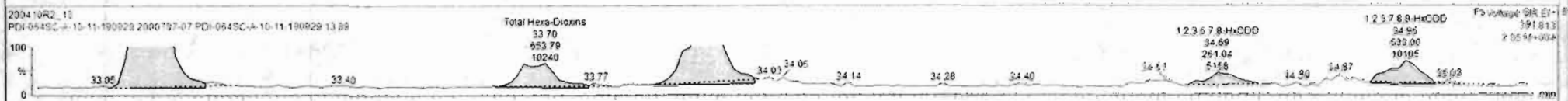
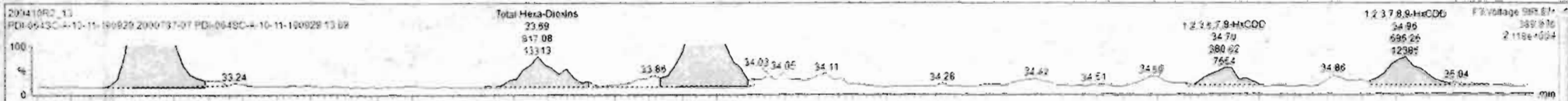
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200410R2_13



Name	Resp	RA	ny	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	1.87e5	0.51	NO	1.0000	10.001	34.11	1.000	260	100	0.314	
39 Total Tetra-Dioxins				0.9235	10.001			0.275		0.0348	0.275
40 Total Penta-Dioxins				0.9212	10.001			0.189		0.0360	0.553
41 Total Hexa-Dioxins				0.9544	10.001			2.02		0.0412	2.09
42 Total Hepta-Dioxins				1.0061	10.001			3.72		0.0602	3.72
43 Total Tetra-Furans				0.9154	10.001					0.00765	
44 1st Func. Penta-Furans				0.9594	10.001					0.00485	
45 Total Penta-Furans				0.9594	10.001					0.00909	
46 Total Hexa-Furans				1.0920	10.001					0.00906	
47 Total Hepta-Furans				1.0483	10.001					0.0164	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



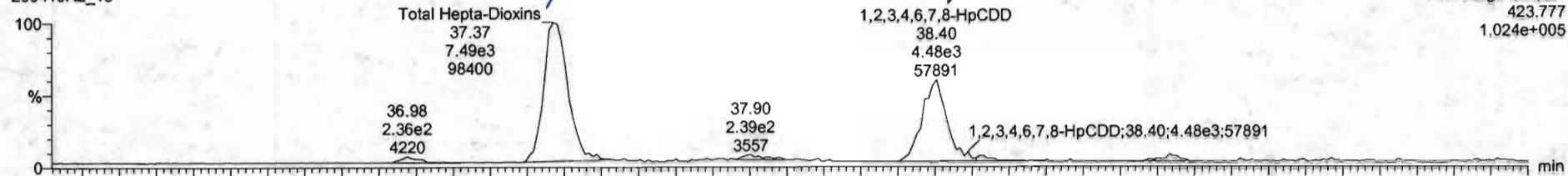
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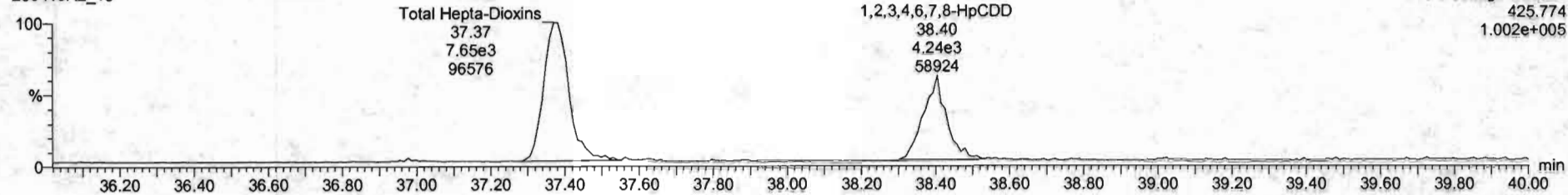
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1,2,3,4,6,7,8-HpCDD

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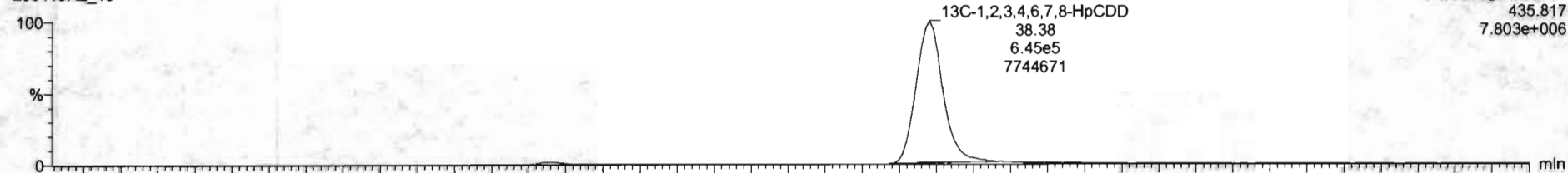


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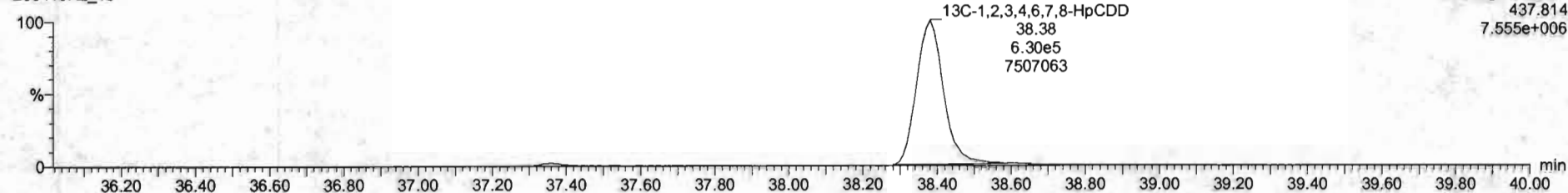


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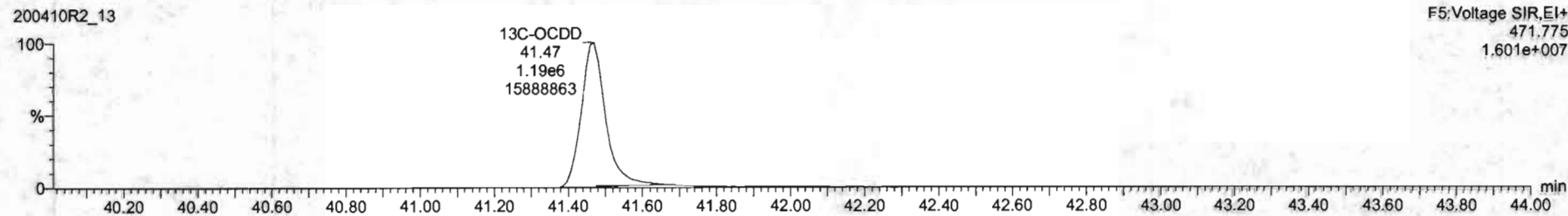
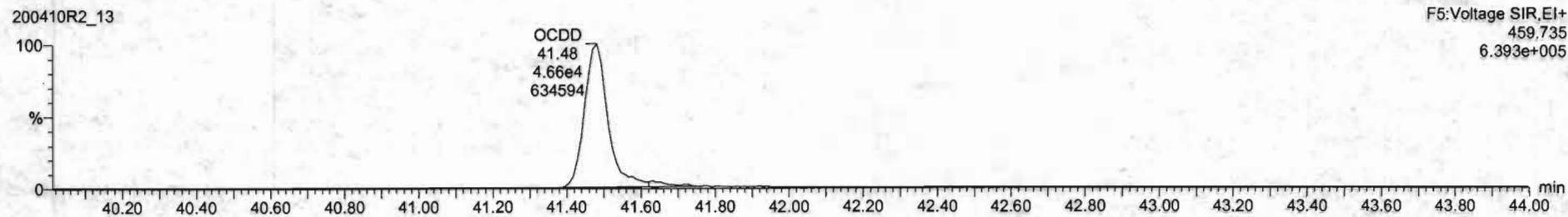
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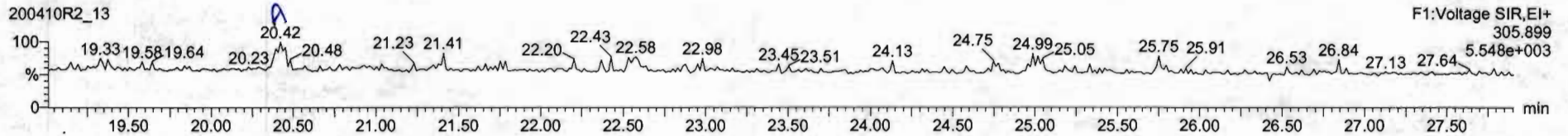
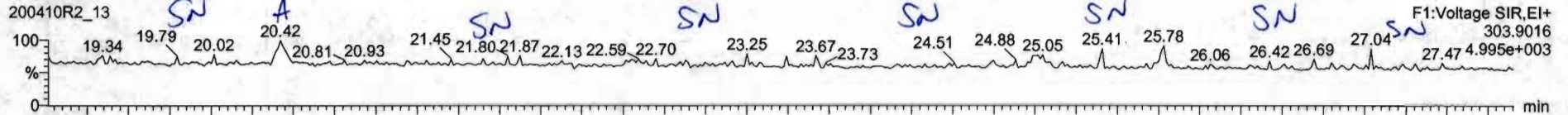


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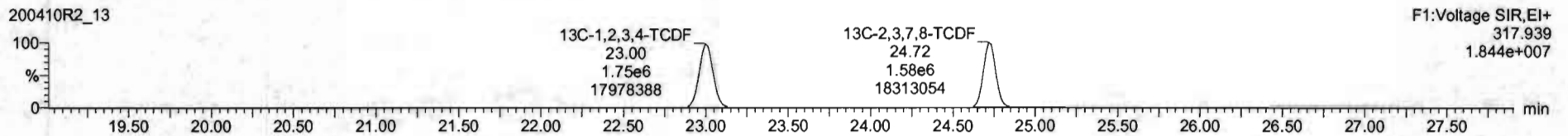
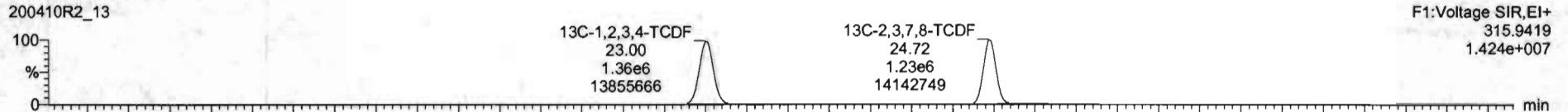
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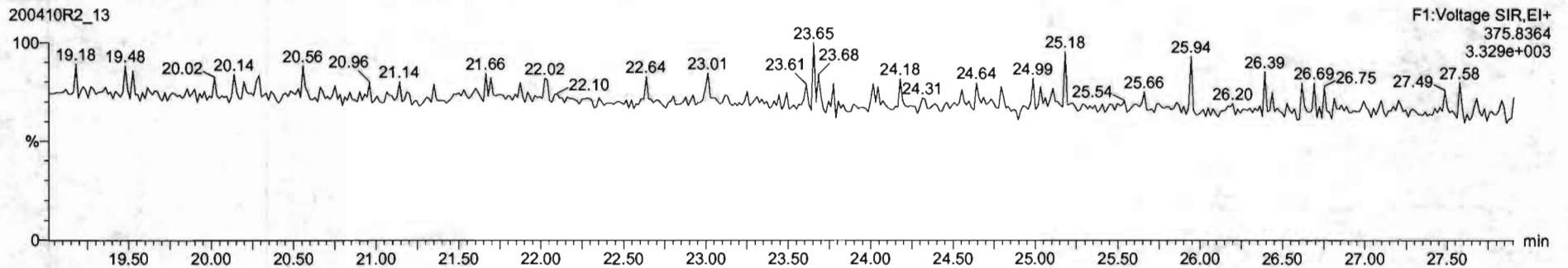
2,3,7,8-TCDF



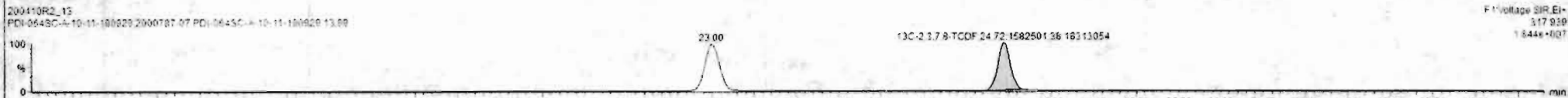
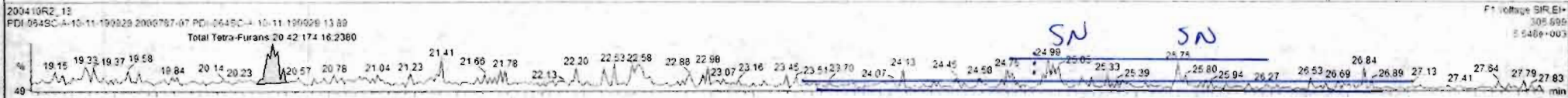
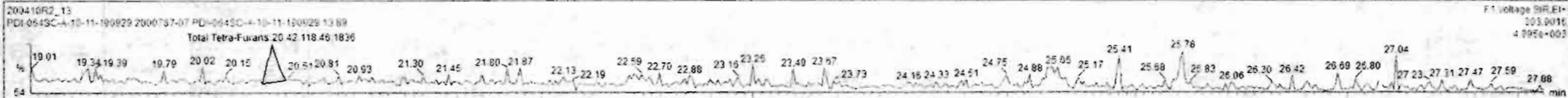
13C-2,3,7,8-TCDF



DPE1



Name	Resp	RA	nby	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	1.87e6	0.51	NO	1.0000	10.001	34.11	1.000	206	100	0.314	
39 Total Tetra-Dioxins				0.9835	10.001			0.275		0.0348	0.275
40 Total Penta-Dioxins				0.9212	10.001			0.189		0.0360	0.553
41 Total Hexa-Dioxins				0.9844	10.001			2.02		0.0412	2.09
42 Total Hepta-Dioxins				1.0661	10.001			3.72		0.0602	3.72
43 Total Tetra-Furans				0.9154	10.001			0.0227		0.00765	0.0227
44 1st Func. Penta-Furans				0.9594	10.001					0.00485	
45 Total Penta-Furans				0.9594	10.001					0.00989	
46 Total Hexa-Furans				1.0920	10.001					0.00966	
47 Total Hepta-Furans				1.0483	10.001					0.0164	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



Custom Reporting: Select reports to generate

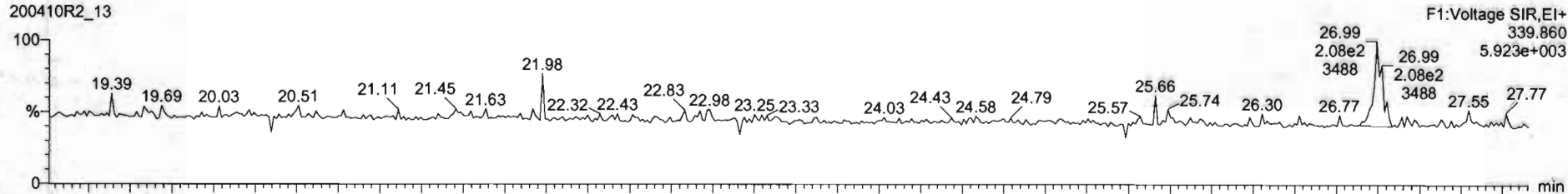
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Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

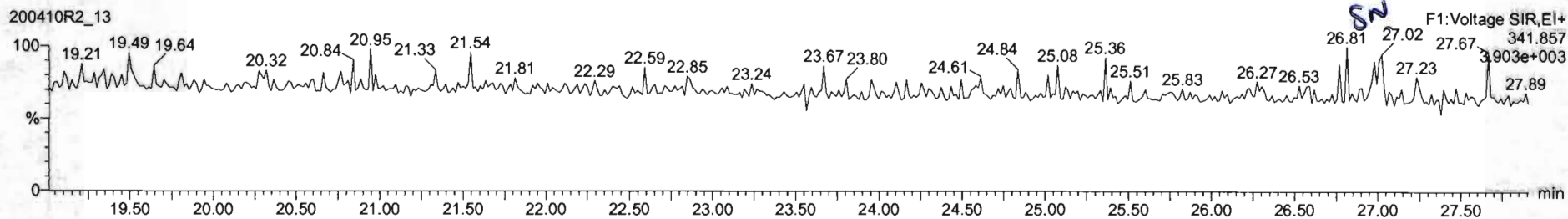
Name: 200410R2_13, Date: 11-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929

1st Func. Penta-Furans

200410R2_13

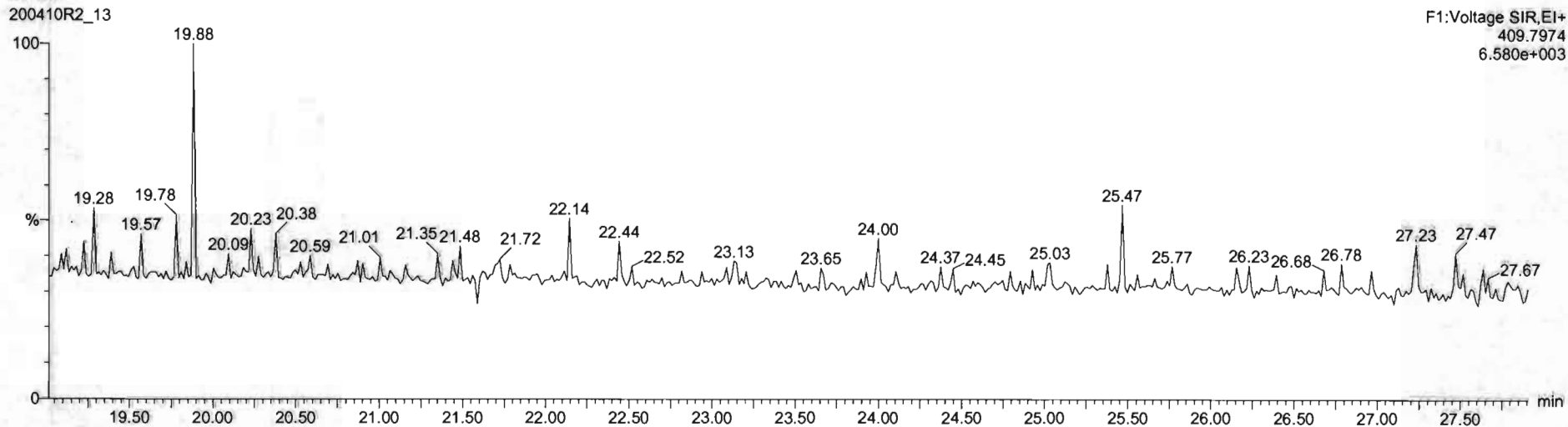


200410R2_13



DPE6

200410R2_13



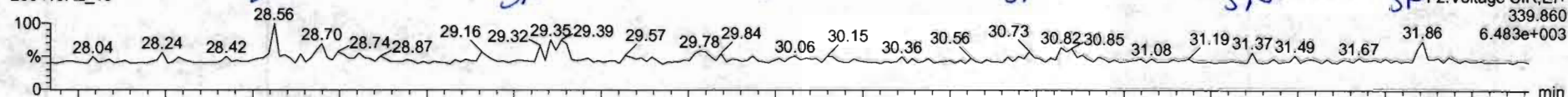
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

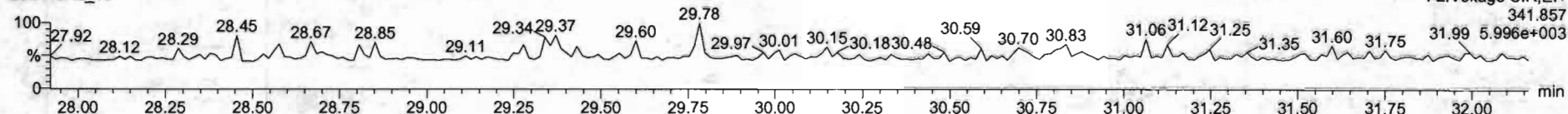
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1,2,3,7,8-PeCDF

200410R2_13

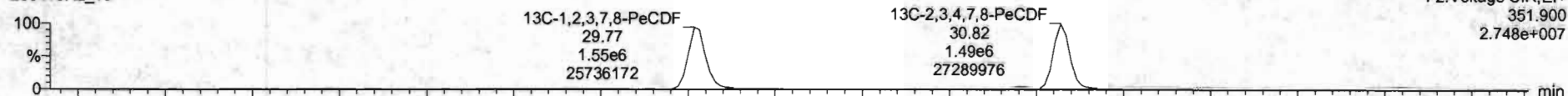


200410R2_13



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

200410R2_13

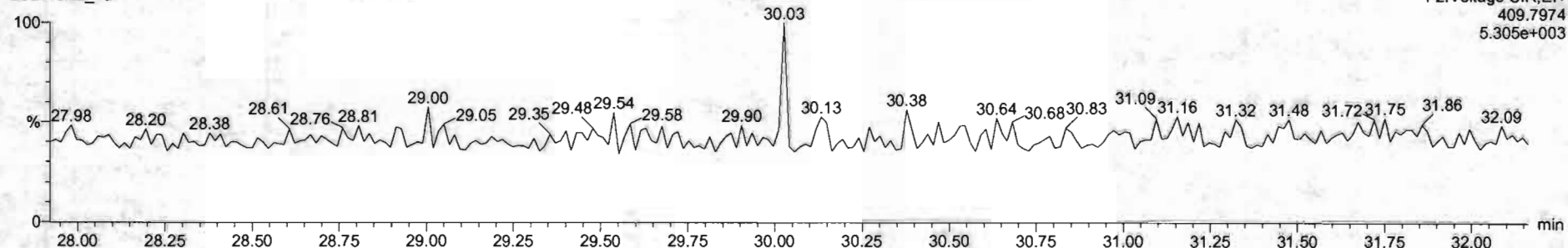


200410R2_13

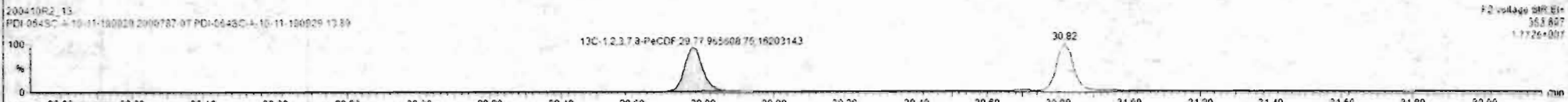
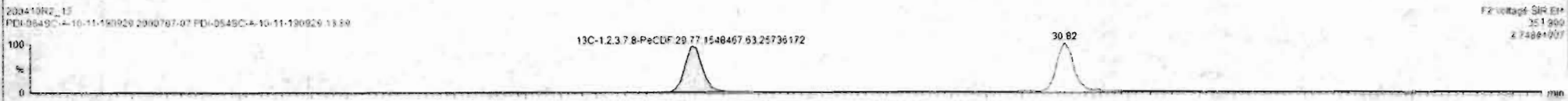
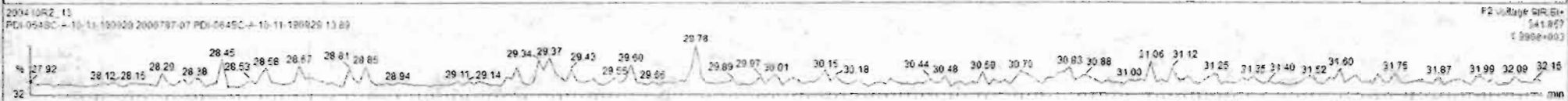
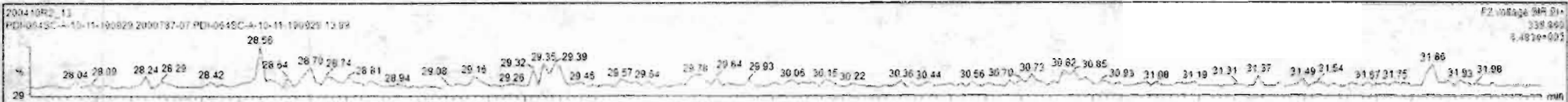


DPE2

200410R2_13



Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4-E-S-HxCDF	1.87e6	0.51	NO	1.0000	10.001	34.11	1.000	260	100	0.314	
39 Total Tetra-Dioxins				0.9835	10.001			0.275		0.0348	0.275
40 Total Penta-Dioxins				0.9212	10.001			3.189		0.0360	0.553
41 Total Hexa-Dioxins				0.9844	10.001			2.02		0.0412	0.396
42 Total Hepta-Dioxins				1.0061	10.001			3.72		0.0602	3.72
43 Total Tetra-Furans				0.9154	10.001			0.0227		0.00764	0.0227
44 1st Func. Penta-Furans				0.9554	10.001					0.00486	
45 Total Penta-Furans				0.9584	10.001					0.00689	
46 Total Hexa-Furans				1.0920	10.001					0.00965	
47 Total Hepta-Furans				1.0423	10.001					0.0164	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



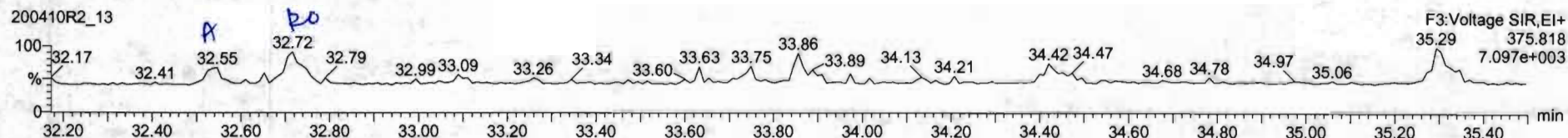
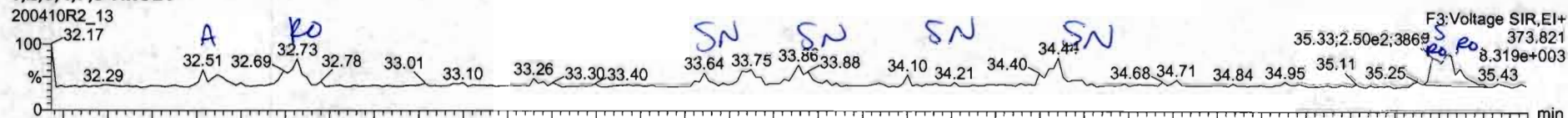
Custom Reporting: Select reports to generate

Dataset: Untitled

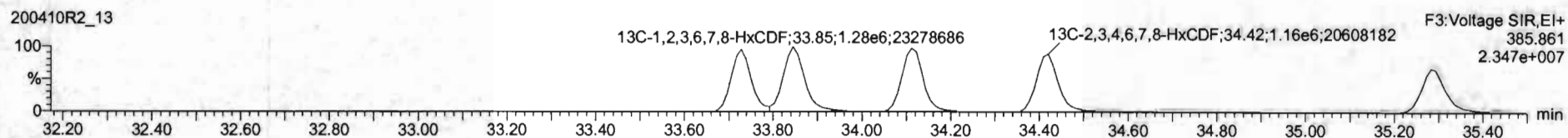
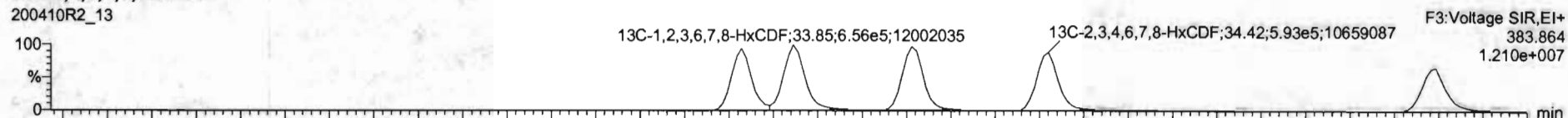
Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_13, Date: 11-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929

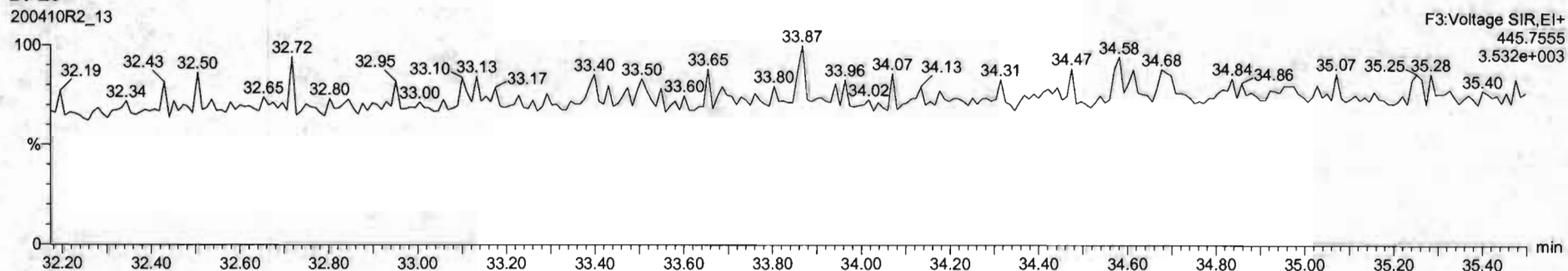
1,2,3,4,7,8-HxCDF



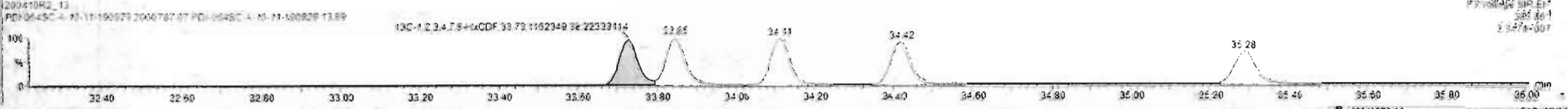
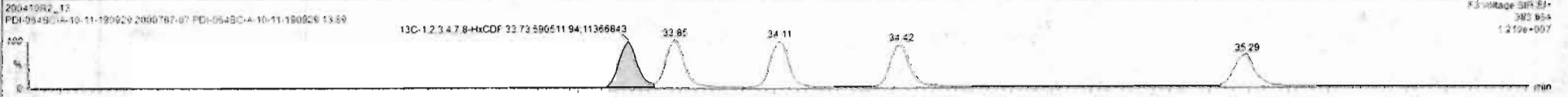
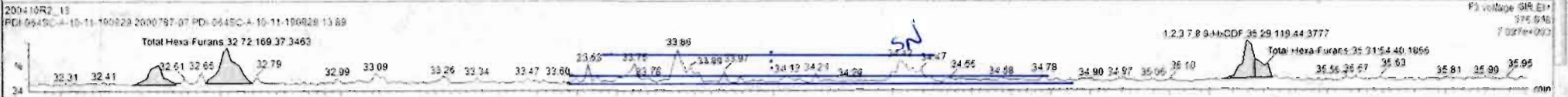
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	ntf	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	1.87eE		NO	1.0000	10.001	34.11	1.000	260	100	0.314	
39 Total Tetra-Dioxins				0.9835	10.001			0.275		0.0348	0.275
40 Total Penta-Dioxins				0.9212	10.001			0.189		0.0260	0.553
41 Total Hexa-Dioxins				0.9844	10.001			2.02		0.0412	2.06
42 Total Hepta-Dioxins				1.0061	10.001			3.72		0.0602	3.72
43 Total Tetra-Furans				0.9154	10.001			0.0227		0.00766	0.0227
44 1st Func. Penta-Furans				0.9594	10.001					0.00455	
45 Total Penta-Furans				0.9594	10.001					0.00969	
46 Total Hexa-Furans				1.0920	10.001			0.0179		0.00986	0.0837
47 Total Hepta-Furans				1.0423	10.001					0.0164	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											

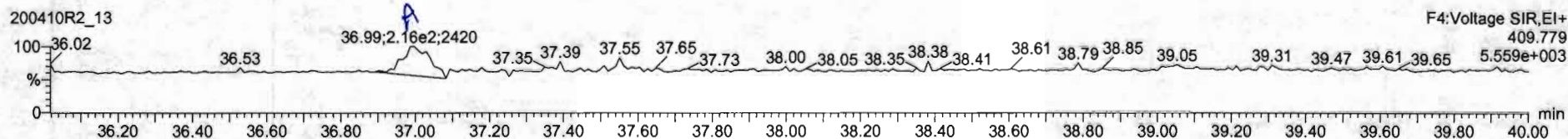
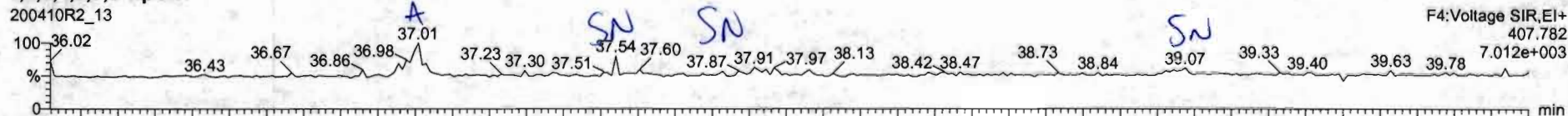


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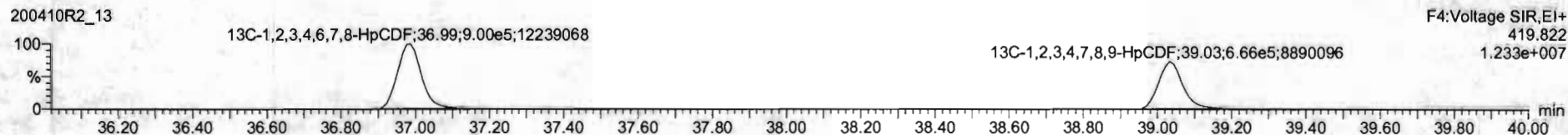
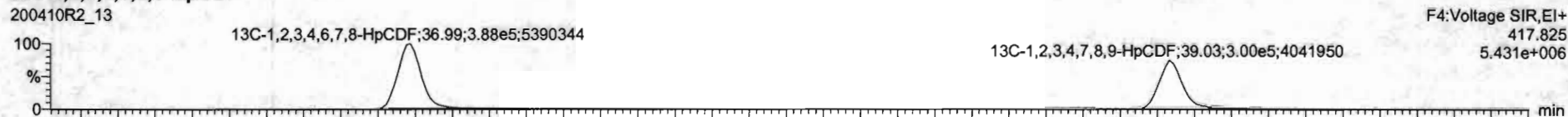
Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_13, Date: 11-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929

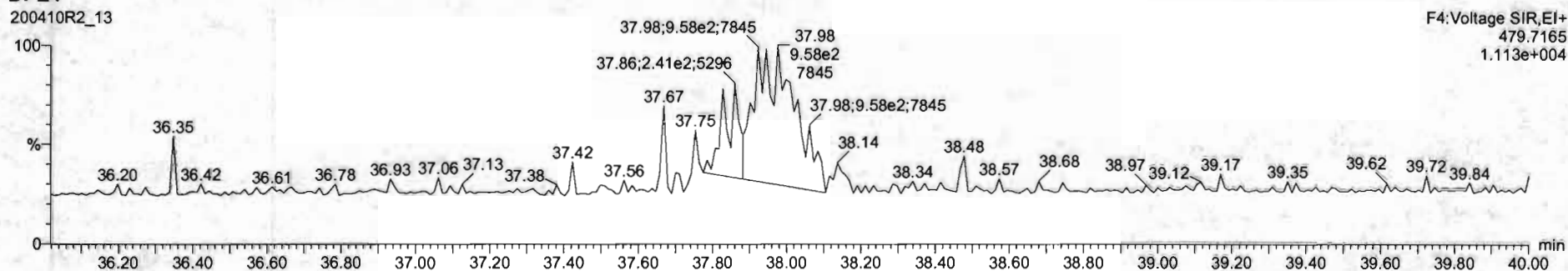
1,2,3,4,6,7,8-HpCDF



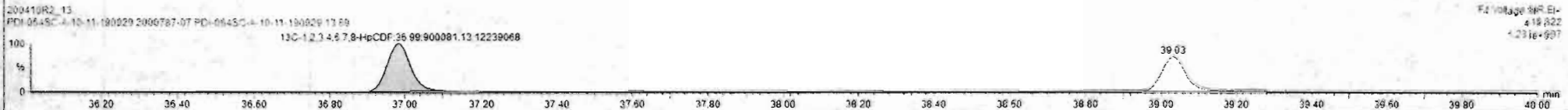
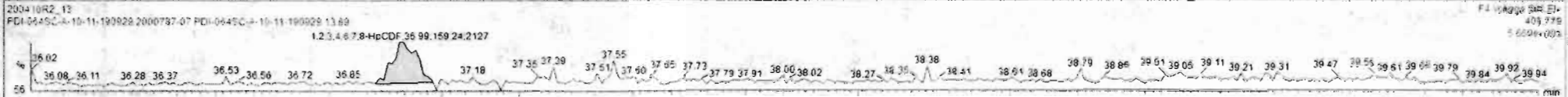
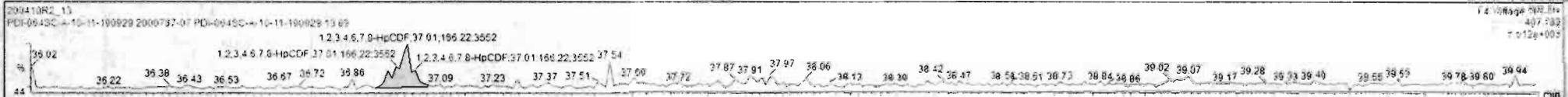
13C-1,2,3,4,6,7,8-HpCDF



DPE4



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	EL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	1.87e	0.51	*0	1.0000	10.001	34.11	1.000	200	100	0.314	
39 Total Tetra-Dioxins				0.8835	10.001			0.275		0.0348	0.275
40 Total Penta-Dioxins				0.9212	10.001			0.189		0.0360	0.553
41 Total Hexa-Dioxins				0.9844	10.001			2.02		0.0412	2.36
42 Total Hepta-Dioxins				1.0261	10.001			3.72		0.0802	3.72
43 Total Tetra-Furans				0.9154	10.001			0.0227		0.00765	0.0227
44 1st Func. Penta-Furans				0.9594	10.001					0.00485	
45 Total Penta-Furans				0.9584	10.001					0.00969	
46 Total Hexa-Furans				1.0920	10.001			0.0179		0.00966	0.0237
47 Total Hepta-Furans				1.0483	10.001			0.0462		0.0164	0.0482
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											
57 DPE5											
58 DPE6											



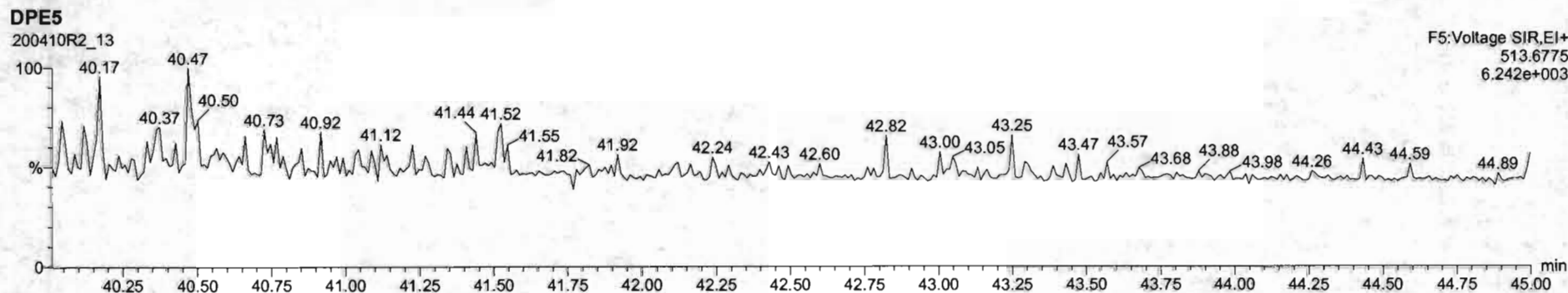
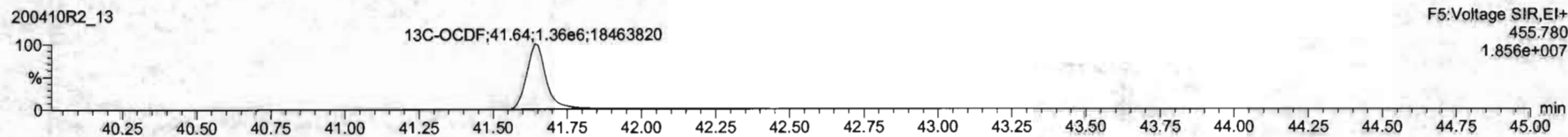
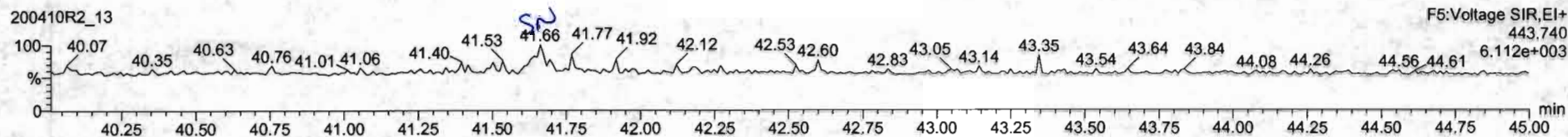
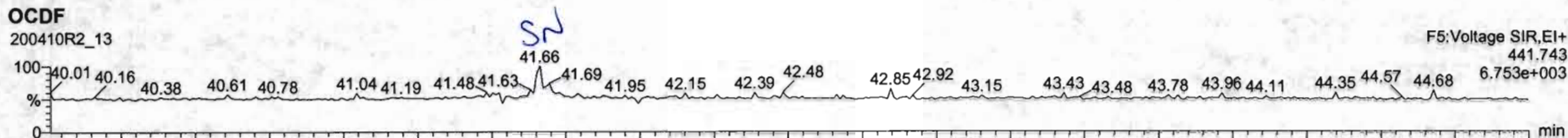
Custom Reporting: Select reports to generate

20041002_13 CAP NUM

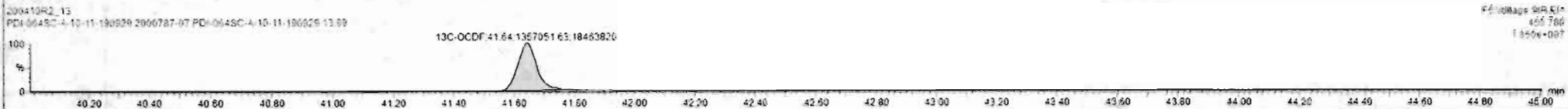
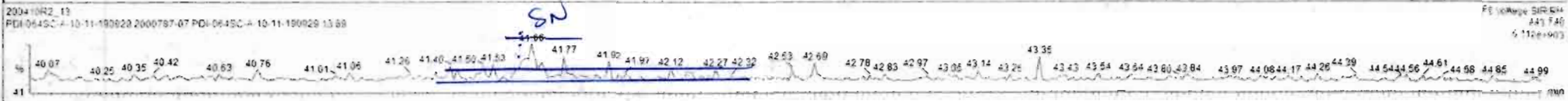
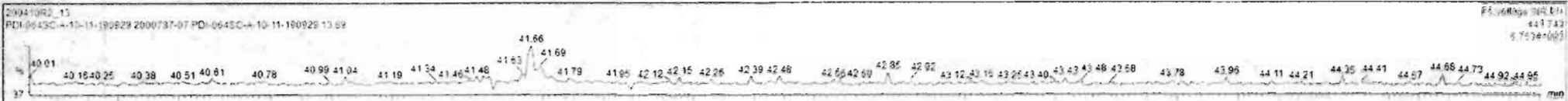
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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time
Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_13, Date: 11-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929



Name	Resp	RA	ntf	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.39e3	0.23	YES	0.9835	10.001	25.90	1.002	0.127		0.0348	0.0540
2 1,2,3,7,8-PeCDD	8.17e2	1.21	YES	0.9212	10.001	21.16	1.000	0.0762		0.0360	0.0560
3 1,2,3,4,7,8-HxCDD			NO	1.1325	10.001					0.0374	
4 1,2,3,6,7,8-HxCDD	6.30e2	1.61	YES	0.9844	10.001	24.70	1.000	0.0776		0.0381	0.0670
5 1,2,3,7,8,9-HxCDD	1.24e3	1.43	YES	0.9674	10.001	34.96	1.000	0.170		0.0438	0.157
6 1,2,3,4,6,7,8-HpCDD	8.73e3	1.06	NO	1.0061	10.001	38.40	1.001	1.36		0.0802	1.36
7 OCDD	8.65e4	0.86	NO	1.0515	10.001	41.47	1.000	14.5		0.0860	14.5
8 2,3,7,8-TCDF			NO	0.9154	10.001					0.0182	
9 1,2,3,7,8-PeCDF			NO	0.9594	10.001					0.0237	
10 2,3,4,7,8-PeCDF			NO	1.0025	10.001					0.0212	
11 1,2,3,4,7,8-HxCDF			NO	1.0351	10.001					0.0183	
12 1,2,3,6,7,8-HxCDF			NO	1.0126	10.001					0.0179	
13 2,3,4,6,7,8-HxCDF			NO	1.0920	10.001					0.0187	
14 1,2,3,7,8,9-HxCDF			NO	1.0268	10.001					0.0264	
15 1,2,3,4,6,7,8-HpCDF			NO	1.0483	10.001					0.0222	
16 1,2,3,4,7,8,9-HpCDF			NO	1.2059	10.001					0.0284	
17 OCDF			NO	0.9469	10.001					0.0270	
18 13C-2,3,7,8-TCDD	2.24e6	0.78	NO	1.1842	10.001	25.75	1.020	164.918		0.151	
19 13C-1,2,3,7,8-PeCDD	1.76e6	0.83	NO	0.9644	10.001	21.14	1.245	197.866		0.122	
20 13C-1,2,3,4,7,8-HxCDD	1.37e6	1.26	NO	0.7539	10.001	24.58	1.014	194.968		0.314	
21 13C-1,2,3,6,7,8-HxCDD	1.65e6	1.27	NO	0.9254	10.001	24.86	1.017	190.962		0.256	

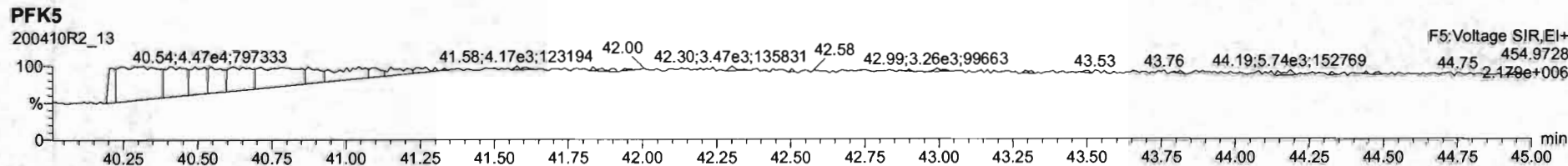
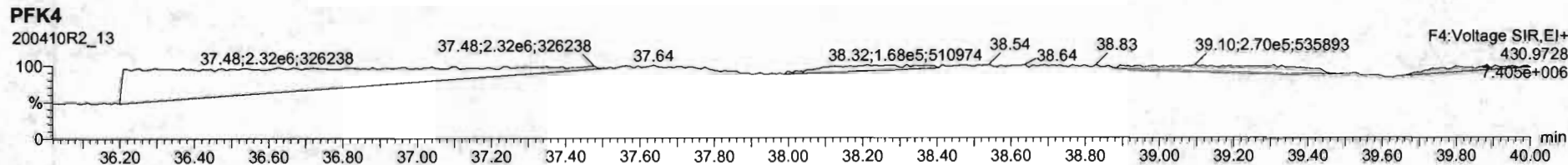
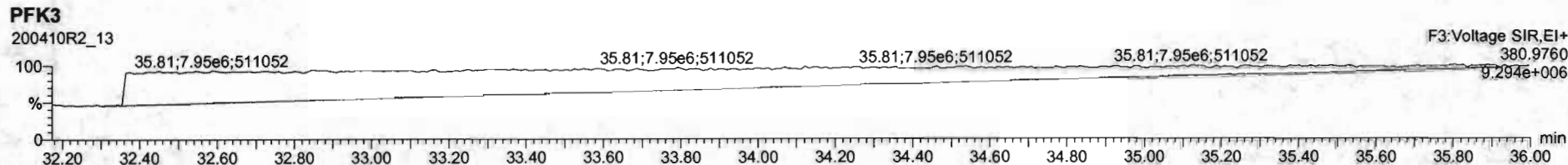
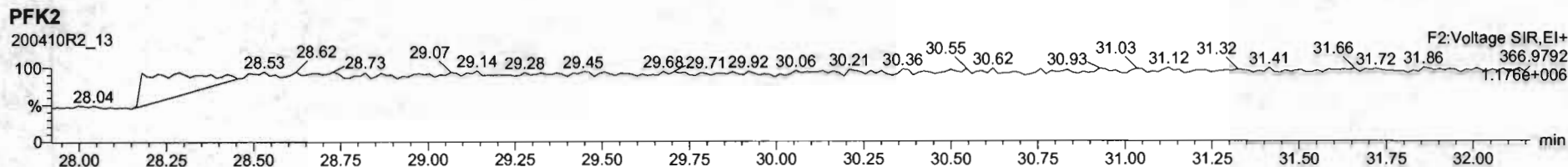
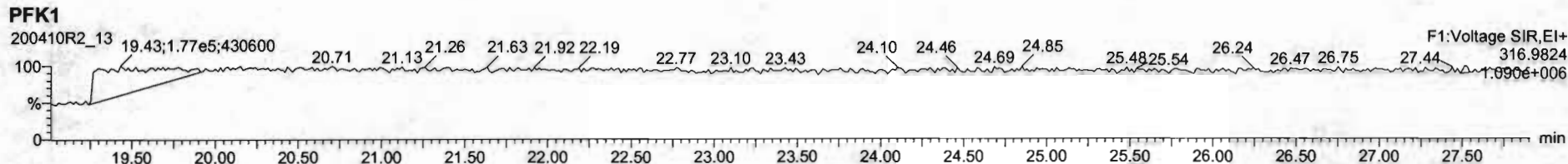


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Last Altered: Monday, April 13, 2020 08:04:03 Pacific Daylight Time

Printed: Monday, April 13, 2020 08:04:22 Pacific Daylight Time

Name: 200410R2_13, Date: 11-Apr-2020, Time: 06:18:08, ID: 2000787-07 PDI-064SC-A-10-11-190929 13.89, Description: PDI-064SC-A-10-11-190929



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200410R1-1

Reviewed By: CM 04/13/2020

Initials & Date

End Calibration ID: ST200410R2-1

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

	<u>Beg.</u> ^(A)	<u>End</u> ^(B)
Mass resolution ≥	<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 checked="" type="checkbox"/>
GC Break <20%	<input type="checkbox"/> NA	
8280 CS1 End Standard:		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input type="checkbox"/> NA	

Comments:

^{GRB 04/13/2020}
 (A) END RES CHECK FOR 200410R1 (END RES CHECK FOR 200410R2)
 HAD PPK DRAIN RESULTING IN SEVERAL MASSES THAT DID NOT CENTROID.

(B) END RES CHECK FOR 200410R2 HAD PPK DRAIN AND SEVERAL MASSES THAT DID NOT CENTROID.
 - MANUAL END RES CHECK PROCESSED W/ NO CHANGES MADE TO TUNING

Dataset: U:\VG12.PRO\Results\200410R1\200410R1-1.qld

Last Altered: Friday, April 10, 2020 10:17:02 Pacific Daylight Time
Printed: Friday, April 10, 2020 13:34:54 Pacific Daylight Time

GRB 04/10/2020

C704/13/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R1_1, Date: 10-Apr-2020, Time: 09:25:55, ID: ST200410R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	2.23e5	2.39e6	0.77	NO	0.983	25.84	25.84	NO	1.001	1.001	9.4696	94.7	NO
2	2 1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.62	NO	0.921	31.19	31.19	NO	1.001	1.000	49.069	98.1	NO
3	3 1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	NO	1.13	34.61	34.61	NO	1.000	1.000	46.028	92.1	NO
4	4 1,2,3,6,7,8-HxCDD	8.50e5	1.86e6	1.25	NO	0.984	34.70	34.71	NO	1.000	1.000	46.380	92.8	NO
5	5 1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.23	NO	0.967	34.97	34.97	NO	1.000	1.000	45.990	92.0	NO
6	6 1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.03	NO	1.01	38.40	38.40	NO	1.000	1.000	43.622	87.2	NO
7	7 OCDD	1.12e6	2.41e6	0.88	NO	1.05	41.47	41.48	NO	1.000	1.000	88.386	88.4	NO
8	8 2,3,7,8-TCDF	2.52e5	3.15e6	0.74	NO	0.915	24.82	24.82	NO	1.001	1.001	8.7548	87.5	NO
9	9 1,2,3,7,8-PeCDF	1.21e6	2.70e6	1.55	NO	0.959	29.83	29.83	NO	1.001	1.000	46.617	93.2	NO
10	10 2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.53	NO	1.00	30.88	30.86	NO	1.001	1.000	46.933	93.9	NO
11	11 1,2,3,4,7,8-HxCDF	8.53e5	1.81e6	1.21	NO	1.04	33.75	33.76	NO	1.000	1.000	45.428	90.9	NO
12	12 1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.21	NO	1.01	33.88	33.88	NO	1.000	1.000	44.968	89.9	NO
13	13 2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.19	NO	1.09	34.47	34.44	NO	1.001	1.000	44.634	89.3	NO
14	14 1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.22	NO	1.03	35.30	35.31	NO	1.000	1.000	45.272	90.5	NO
15	15 1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.01	NO	1.05	37.03	37.01	NO	1.001	1.000	45.386	90.8	NO
16	16 1,2,3,4,7,8,9-HpCDF	5.26e5	9.54e5	1.00	NO	1.21	39.04	39.06	NO	1.000	1.000	45.595	91.2	NO
17	17 OCDF	1.16e6	2.71e6	0.87	NO	0.947	41.64	41.66	NO	1.000	1.000	90.208	90.2	NO
18	18 13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.78	NO	1.18	25.78	25.81	NO	1.029	1.030	97.436	97.4	NO
19	19 13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	NO	0.864	30.97	31.17	NO	1.236	1.244	106.33	106	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.35e6	1.93e6	1.27	NO	0.754	34.61	34.60	NO	1.014	1.014	92.669	92.7	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.86e6	1.93e6	1.27	NO	0.925	34.72	34.70	NO	1.017	1.016	104.23	104	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.58e6	1.93e6	1.25	NO	0.829	34.98	34.96	NO	1.025	1.024	98.502	98.5	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.24e6	1.93e6	1.04	NO	0.598	38.45	38.39	NO	1.127	1.125	107.21	107	NO
24	24 13C-OCDD	2.41e6	1.93e6	0.91	NO	0.571	41.62	41.47	NO	1.219	1.215	218.71	109	NO
25	25 13C-2,3,7,8-TCDF	3.15e6	2.90e6	0.77	NO	1.09	24.80	24.79	NO	0.990	0.989	99.486	99.5	NO
26	26 13C-1,2,3,7,8-PeCDF	2.70e6	2.90e6	1.59	NO	0.876	29.64	29.81	NO	1.183	1.190	106.03	106	NO
27	27 13C-2,3,4,7,8-PeCDF	2.63e6	2.90e6	1.57	NO	0.844	30.66	30.85	NO	1.223	1.231	107.20	107	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.81e6	1.93e6	0.51	NO	1.00	33.75	33.75	NO	0.989	0.989	93.617	93.6	NO
29	29 13C-1,2,3,6,7,8-HxCDF	2.22e6	1.93e6	0.52	NO	1.12	33.86	33.87	NO	0.992	0.992	103.02	103	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.91e6	1.93e6	0.50	NO	1.04	34.44	34.43	NO	1.009	1.009	95.766	95.8	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.53e6	1.93e6	0.50	NO	0.873	35.32	35.30	NO	1.035	1.034	90.488	90.5	NO

Dataset: U:\VG12.PRO\Results\200410R1\200410R1-1.qld

Last Altered: Friday, April 10, 2020 10:17:02 Pacific Daylight Time
Printed: Friday, April 10, 2020 13:34:54 Pacific Daylight Time

Name: 200410R1_1, Date: 10-Apr-2020, Time: 09:25:55, ID: ST200410R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.48e6	1.93e6	0.44	NO	0.771	37.04	37.00	NO	1.085	1.084	99.262	99.3	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	9.54e5	1.93e6	0.44	NO	0.519	39.14	39.04	NO	1.147	1.144	95.095	95.1	NO
34	34 13C-OCDF	2.71e6	1.93e6	0.89	NO	0.696	41.80	41.64	NO	1.225	1.220	201.79	101	NO
35	35 37Cl-2,3,7,8-TCDD	2.29e5	2.07e6			1.17	25.79	25.84	NO	1.029	1.031	9.3946	93.9	NO
36	36 13C-1,2,3,4-TCDD	2.07e6	2.07e6	0.80	NO	1.00	25.05	25.06	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	2.90e6	2.90e6	0.79	NO	1.00	23.19	23.09	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.93e6	1.93e6	0.51	NO	1.00	34.04	34.13	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Dataset: Untitled

Last Altered: Monday, April 13, 2020 07:30:40 Pacific Daylight Time

Printed: Monday, April 13, 2020 07:30:45 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

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

	Name	ID	Acq.Date	Acq.Time
1	200410R1_1	ST200410R1_1 1613 CS3 19L2305	10-Apr-20	09:25:55
2	200410R1_2	B0D0071-BS1 OPR 1	10-Apr-20	10:16:28
3	200410R1_3	B0D0081-BS1 OPR 10	10-Apr-20	11:04:09
4	200410R1_4	SOLVENT BLANK	10-Apr-20	11:50:37
5	200410R1_5	B0D0071-BLK1 Method Blank 1	10-Apr-20	12:38:30
6	200410R1_6	B0D0081-BLK1 Method Blank 10	10-Apr-20	13:26:16
7	200410R1_7	2000757-01 EFFLUENT TAP 0.8854	10-Apr-20	14:14:07
8	200410R1_8	2000780-01 Forebay Composite (24 hr) 0.97832	10-Apr-20	15:01:55
9	200410R1_9	2000591-01RE1 GW-1168 0.97956	10-Apr-20	15:49:45
10	200410R1_10	2000732-02 FB-040120 1.00304	10-Apr-20	16:37:35
11	200410R1_11	2000732-03 ER-040120 1.06791	10-Apr-20	17:25:25
12	200410R1_12	B0D0071-MS1 Matrix Spike 0.98345	10-Apr-20	18:13:15
13	200410R1_13	B0D0071-MSD1 Matrix Spike Dup 0.98734	10-Apr-20	19:01:05
14	200410R1_14	2000515-01@60X 656-55-07 20TS0039 10.37	10-Apr-20	19:48:56
15	200410R2_1	SOLVENT BLANK	10-Apr-20	20:45:41
16	200410R2_2	ST200410R2_1 1613 CS3 19L2305	10-Apr-20	21:31:56

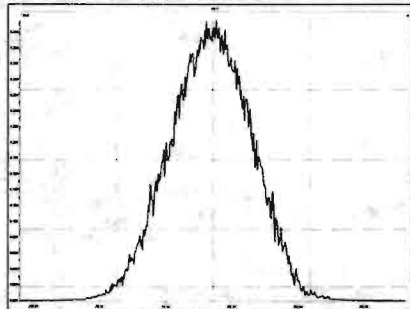
Experiment Calibration Report

MassLynx 4.1 SCN815

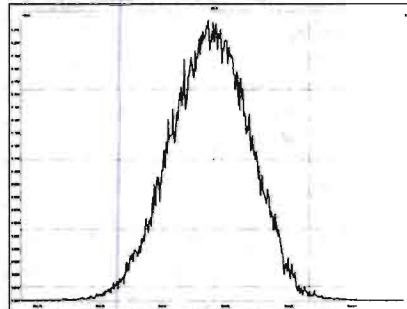
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, April 10, 2020 09:20:20 Pacific Daylight Time

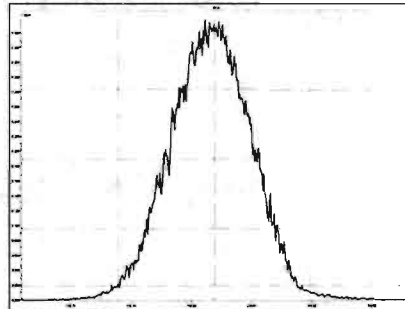
M 292.9824 R 10330



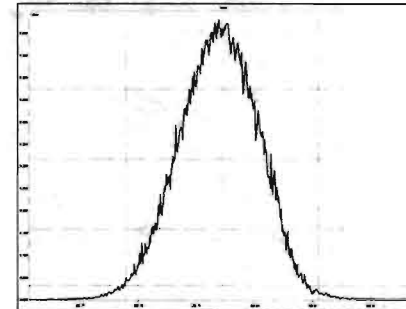
M 304.9824 R 10773



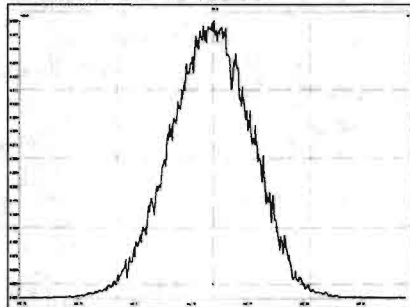
M 318.9792 R 10818



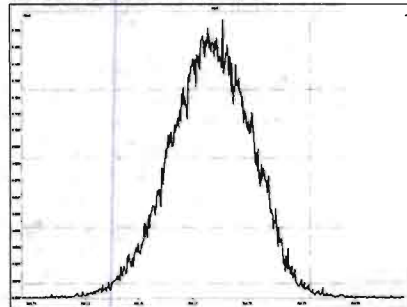
M 330.9792 R 10547



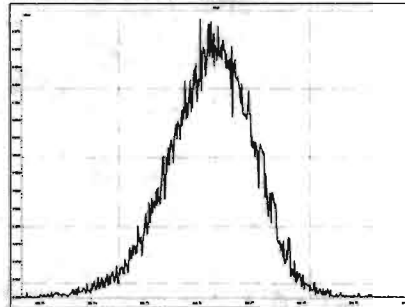
M 342.9792 R 10290



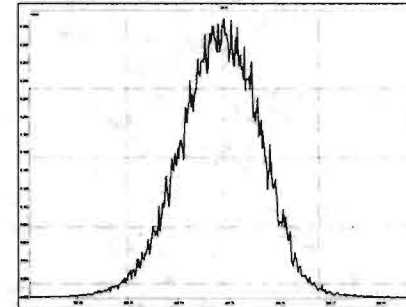
M 354.9792 R 10288



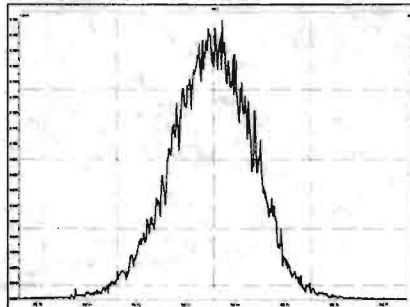
M 366.9792 R 10079



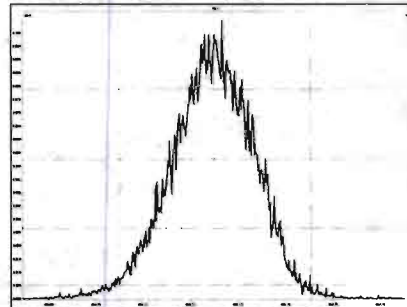
M 380.9760 R 10041



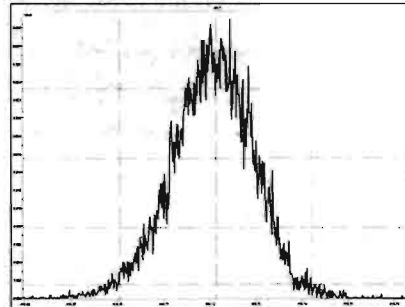
M 392.9760 R 10039



M 404.9760 R 10328



M 416.9760 R 10917



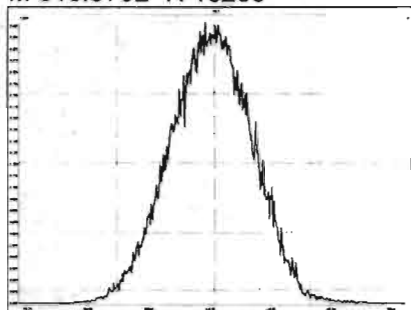
Experiment Calibration Report

MassLynx 4.1 SCN815

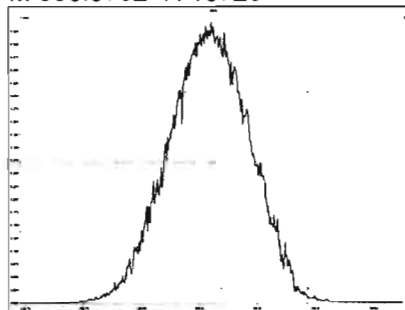
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, April 10, 2020 09:21:48 Pacific Daylight Time

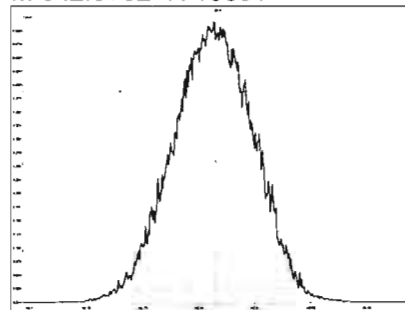
M 318.9792 R 10285



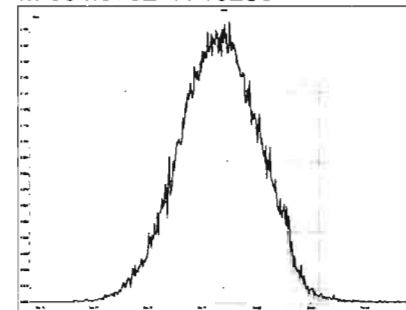
M 330.9792 R 10729



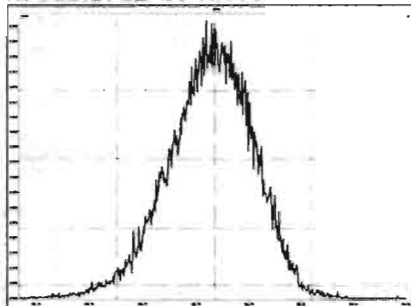
M 342.9792 R 10681



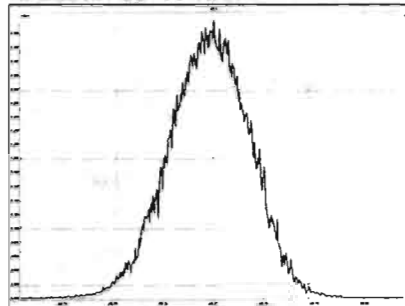
M 354.9792 R 10288



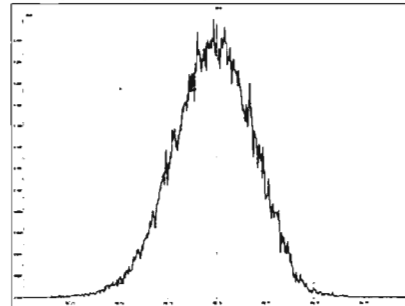
M 366.9792 R 10079



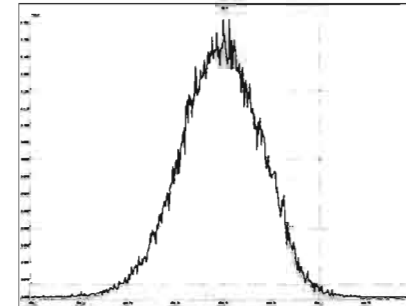
M 380.9760 R 10078



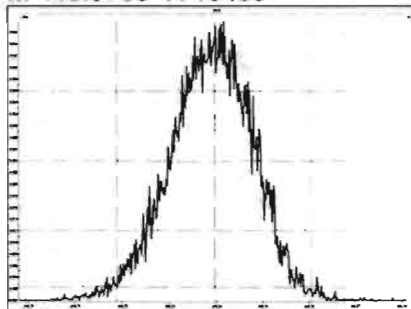
M 392.9760 R 10330



M 404.9760 R 10042



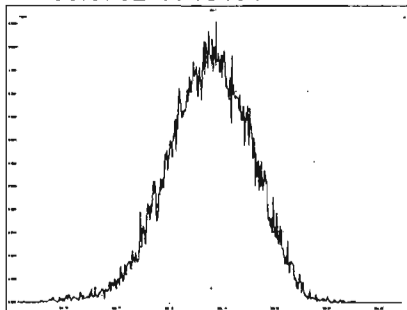
M 416.9760 R 10460



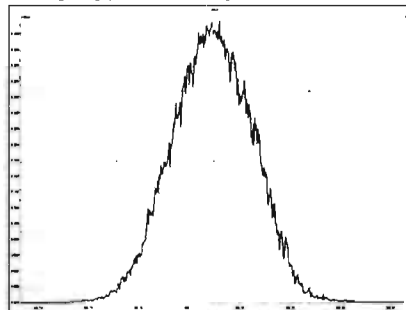
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, April 10, 2020 09:22:54 Pacific Daylight Time

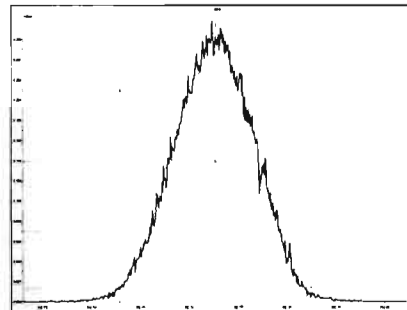
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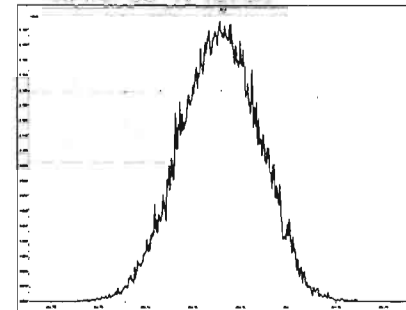
M 380.9760 R 10501



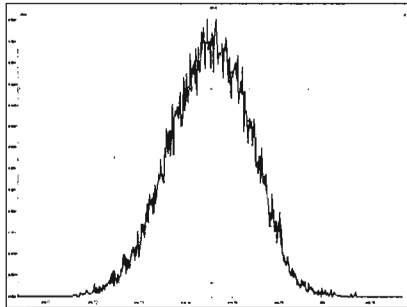
M 392.9760 R 10288



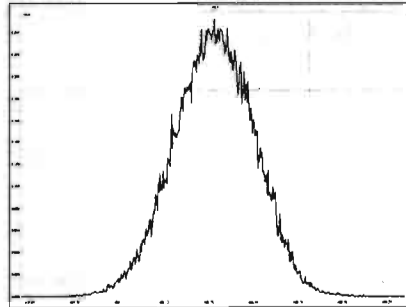
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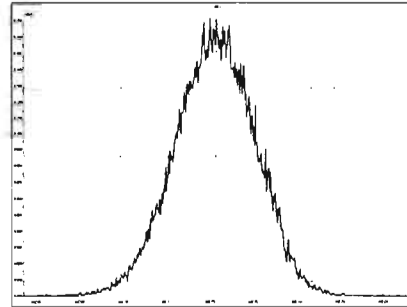
M 416.9760 R 10638



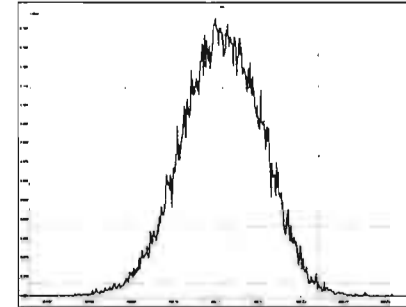
M 430.9728 R 10459



M 442.9728 R 10082



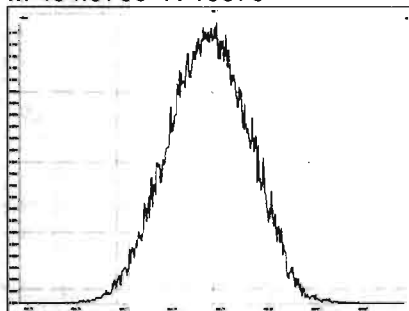
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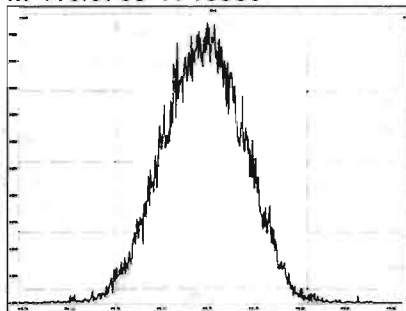
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Printed: Friday, April 10, 2020 09:23:24 Pacific Daylight Time

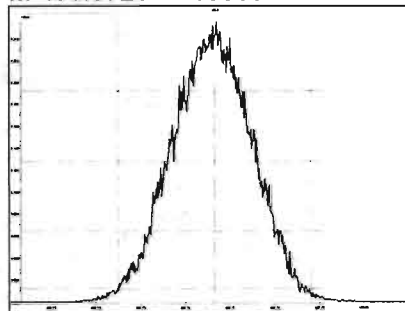
M 404.9760 R 10376



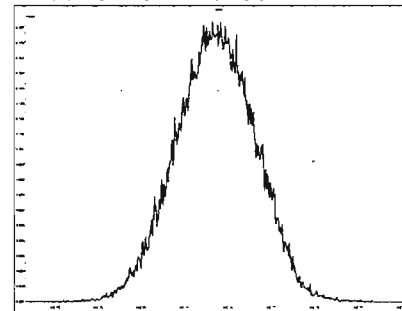
M 416.9760 R 10685



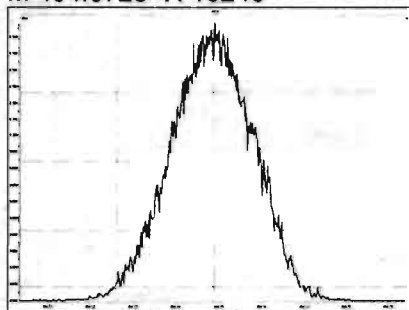
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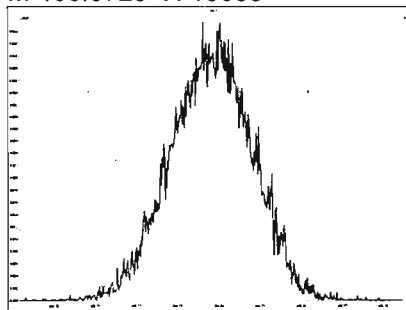
M 442.9728 R 10286



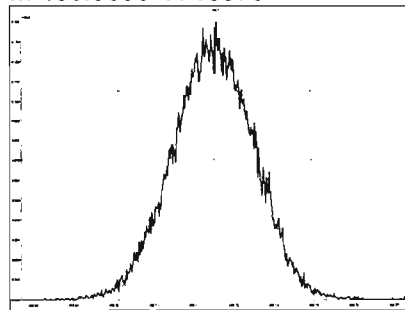
M 454.9728 R 10246



M 466.9728 R 10683



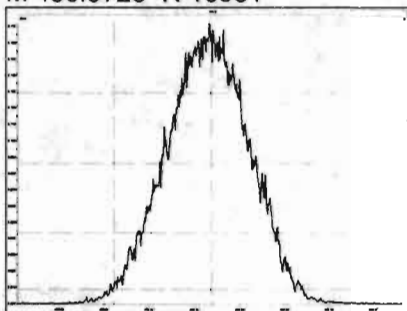
M 480.9696 R 10375



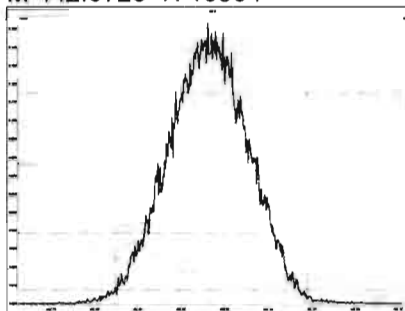
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Printed: Friday, April 10, 2020 09:23:52 Pacific Daylight Time

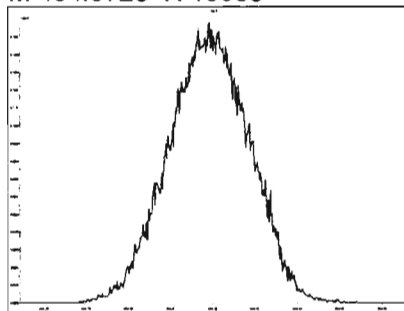
M 430.9728 R 10681



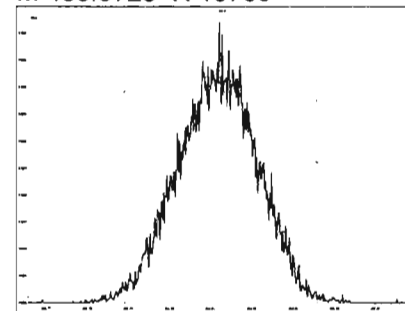
M 442.9728 R 10504



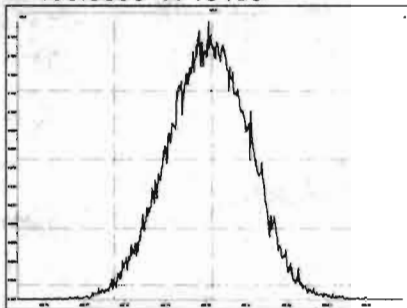
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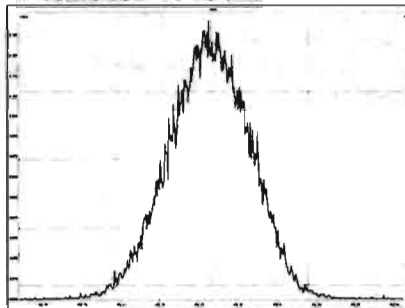
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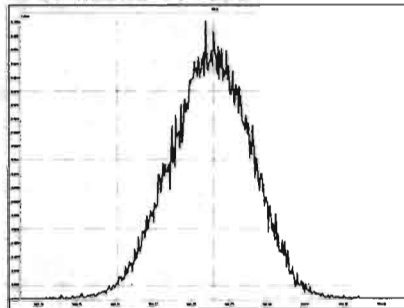
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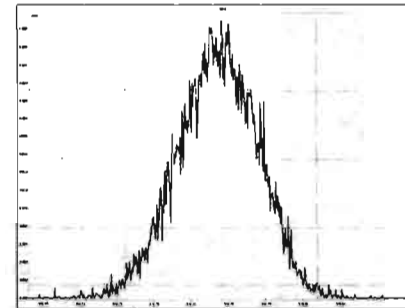
M 492.9696 R 10462



M 504.9696 R 10684



M 516.9697 R 10595



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Last Altered: Friday, April 10, 2020 10:17:58 Pacific Daylight Time

Printed: Friday, April 10, 2020 13:33:18 Pacific Daylight Time

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

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R1_1, Date: 10-Apr-2020, Time: 09:25:55, ID: ST200410R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.42
2	2 1,2,8,9-TCDD (Last)	26.89
3	3 1,2,4,7,9-PeCDD (First)	28.85
4	4 1,2,3,8,9-PeCDD (Last)	31.58
5	5 1,2,4,6,7,9-HxCDD (First)	33.14
6	6 1,2,3,7,8,9-HxCDD (Last)	34.97
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.39
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.40
9	9 1,3,6,8-TCDF (First)	19.43
10	10 1,2,8,9-TCDF (Last)	27.05
11	11 1,3,4,6,8-PeCDF (First)	27.02
12	12 1,2,3,8,9-PeCDF (Last)	31.83
13	13 1,2,3,4,6,8-HxCDF (First)	32.57
14	14 1,2,3,7,8,9-HxCDF (Last)	35.31
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.01
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.06

Dataset: U:\VG12.PRO\Results\200410R1\200410R1-CPSM.qld

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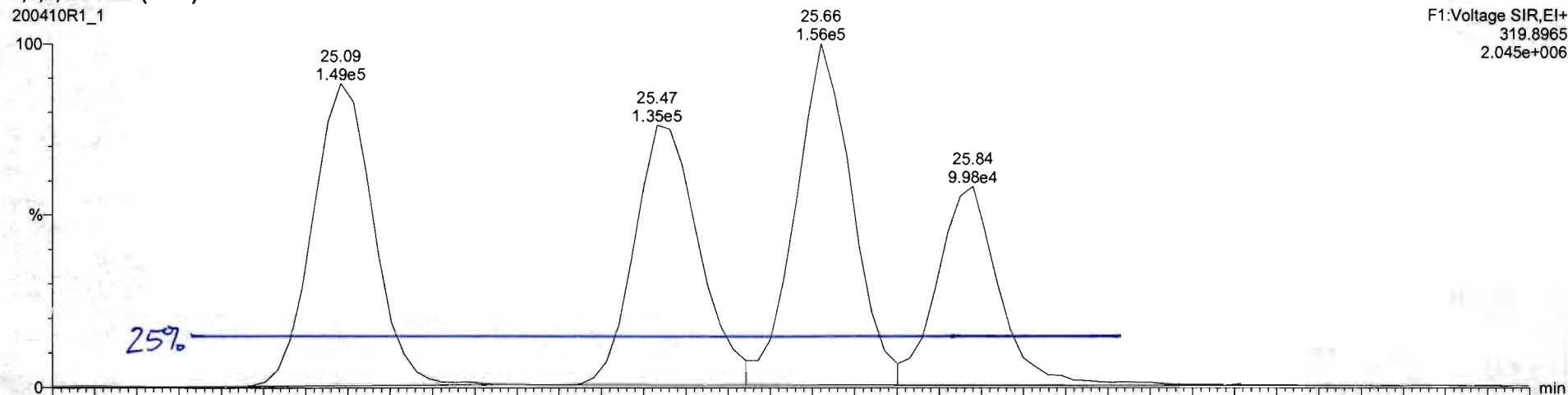
GRB 04/10/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

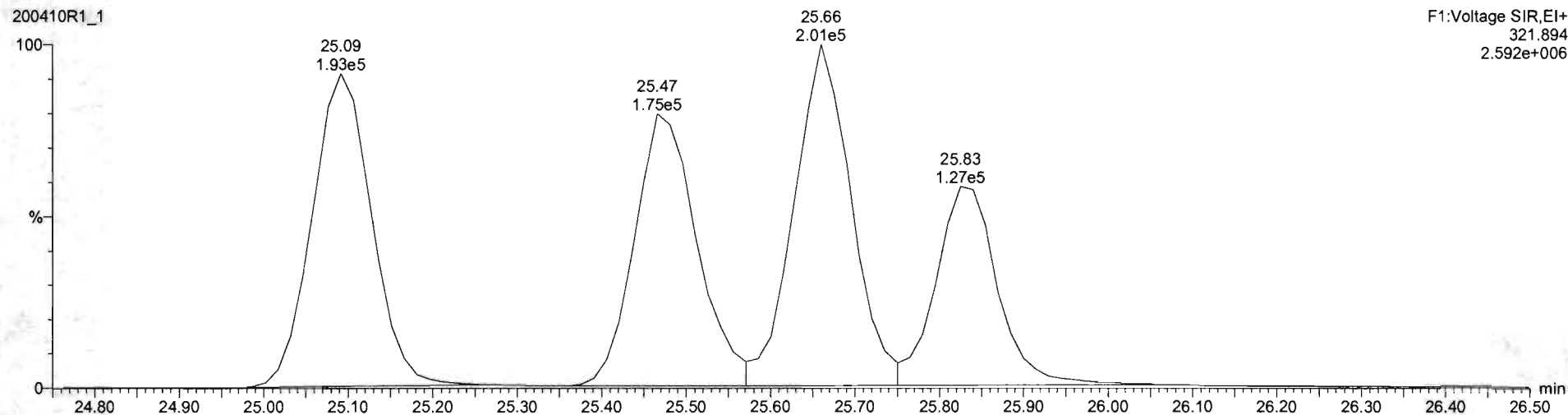
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1,3,6,8-TCDD (First)

200410R1_1



200410R1_1



Dataset: Untitled

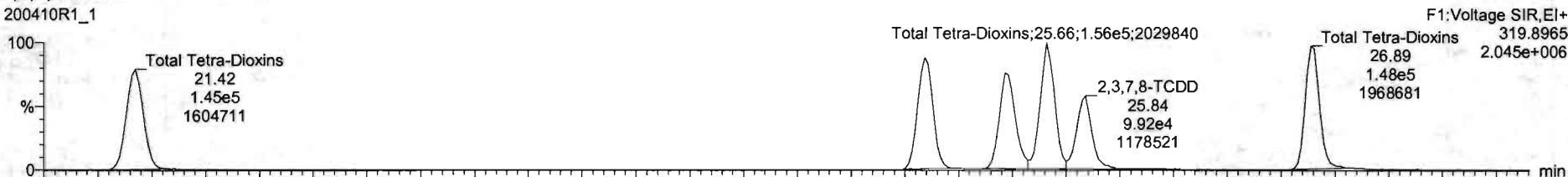
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Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

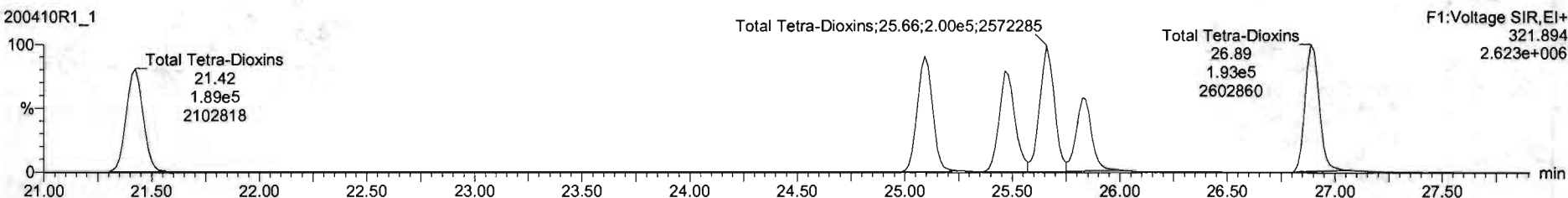
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2,3,7,8-TCDD

200410R1_1

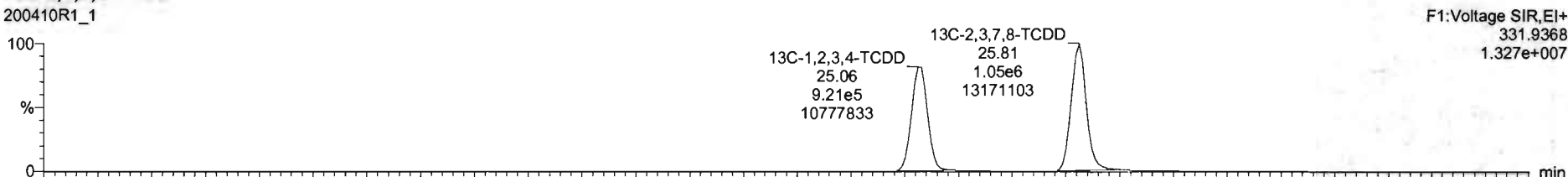


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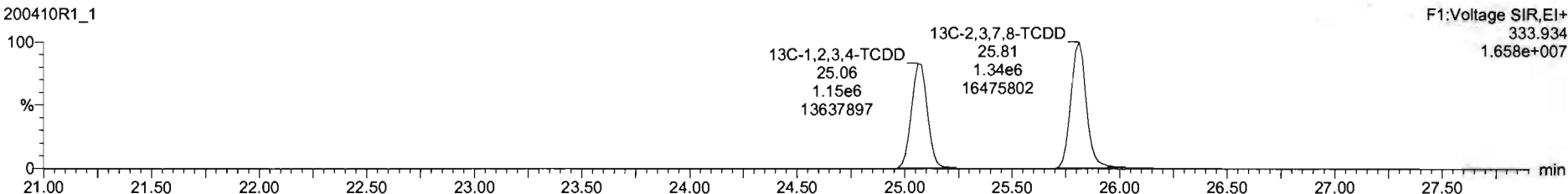


13C-2,3,7,8-TCDD

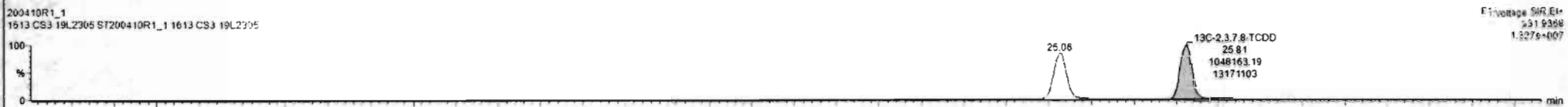
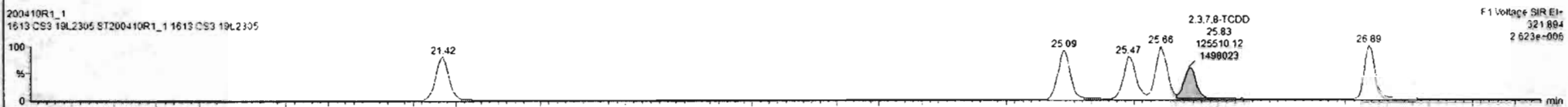
200410R1_1



200410R1_1



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred_RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	2.23e5	2.39e6	0.77	0.77	NO	0.9836	25.64	25.84	NO	1.001	1.001	9.47	94.7	NO
2	1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.63	0.62	NO	0.9212	31.19	31.19	NO	1.001	1.000	48.1	98.1	NO
3	1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	1,2,3,6,7,8-HxCDD	6.50e5	1.86e6	1.24	1.25	NO	0.9844	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	36.40	36.40	NO	1.000	1.000	43.6	87.2	NO
7	OCDD	1.12e6	2.41e6	0.89	0.88	NO	1.0515	41.47	41.48	NO	1.000	1.000	88.4	88.4	NO
8	2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	6.75	87.5	NO
9	1,2,3,7,8-PeCDF	1.21e6	2.70e6	1.55	1.55	NO	0.9594	29.83	29.83	NO	1.001	1.000	46.6	93.2	NO
10	2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.88	30.88	NO	1.001	1.000	46.9	93.9	NO
11	1,2,3,4,7,8-HxCDF	6.53e5	1.81e6	1.24	1.21	NO	1.0381	33.75	33.76	NO	1.000	1.000	45.4	90.9	NO
12	1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0126	33.88	33.88	NO	1.000	1.000	45.0	89.9	NO
13	2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0920	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0268	35.30	35.31	NO	1.000	1.000	45.3	90.5	NO
15	1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	1,2,3,4,7,8,9-HpCDF	5.26e5	9.54e5	1.04	1.00	NO	1.2099	39.04	39.06	NO	1.000	1.000	45.6	91.2	NO
17	OCDF	1.16e6	2.71e6	0.89	0.87	NO	0.9468	41.64	41.66	NO	1.000	1.000	90.2	90.2	NO
18	13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.78	NO	1.1842	25.78	25.81	NO	1.029	1.030	97.4	97.4	NO
19	13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.8644	30.97	31.17	NO	1.236	1.244	106	106	NO



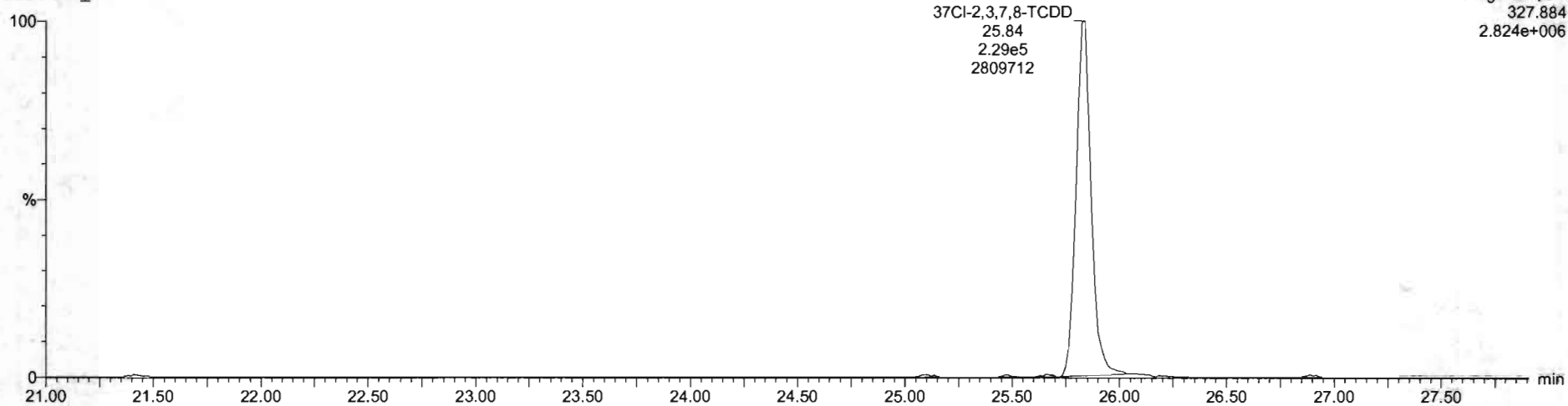
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Printed: Friday, April 10, 2020 13:32:54 Pacific Daylight Time

Name: 200410R1_1, Date: 10-Apr-2020, Time: 09:25:55, ID: ST200410R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

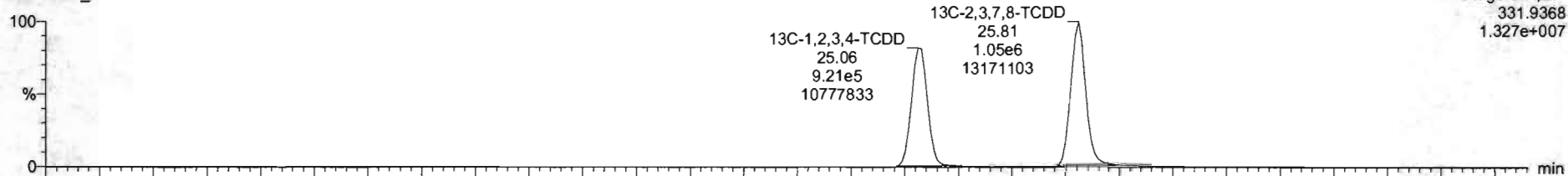
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200410R1_1

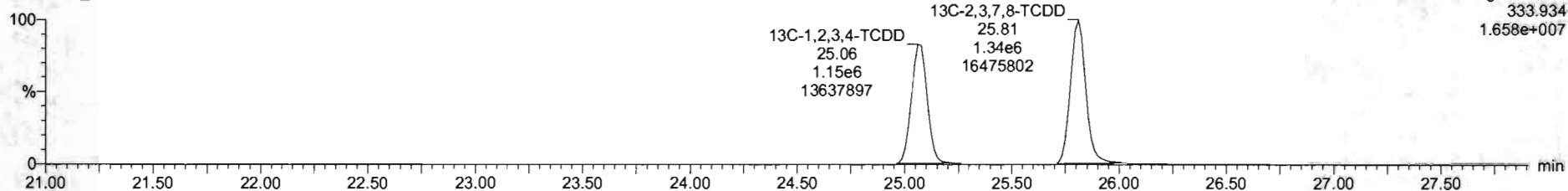


13C-1,2,3,4-TCDD

200410R1_1



200410R1_1



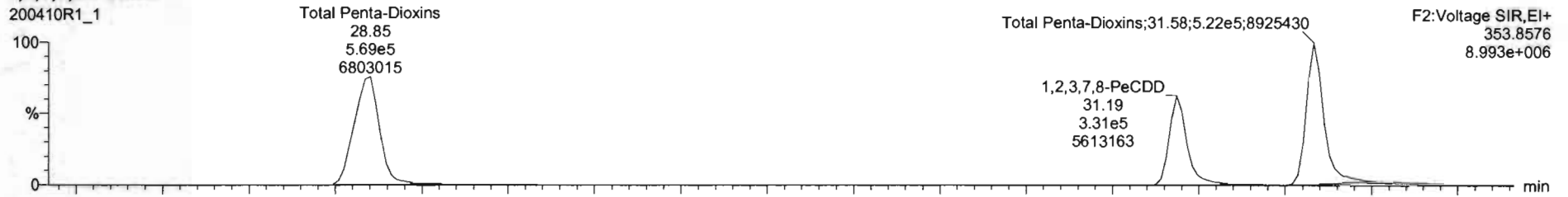
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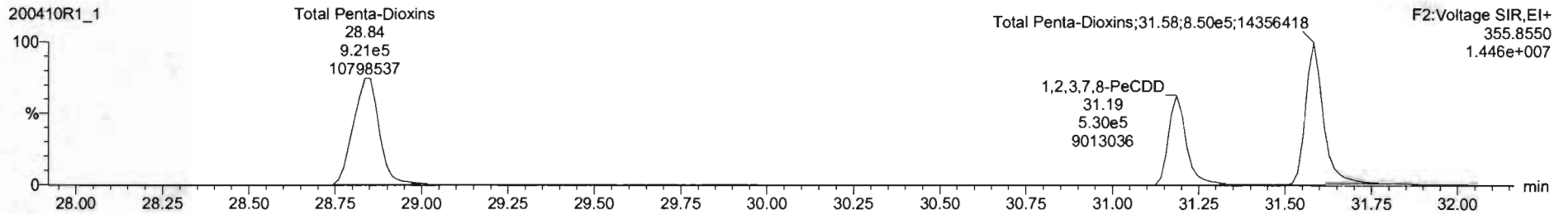
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1,2,3,7,8-PeCDD

200410R1_1

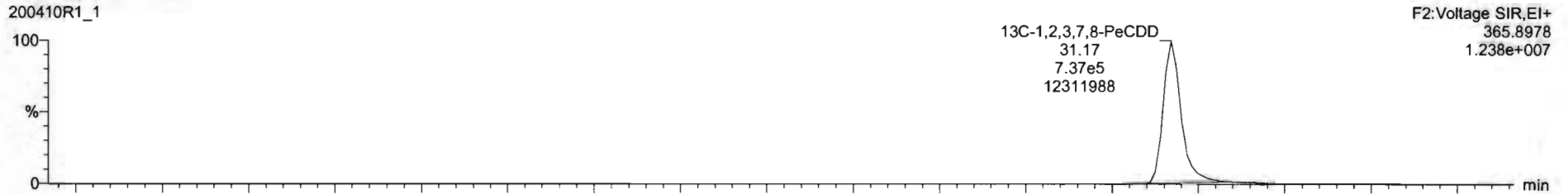


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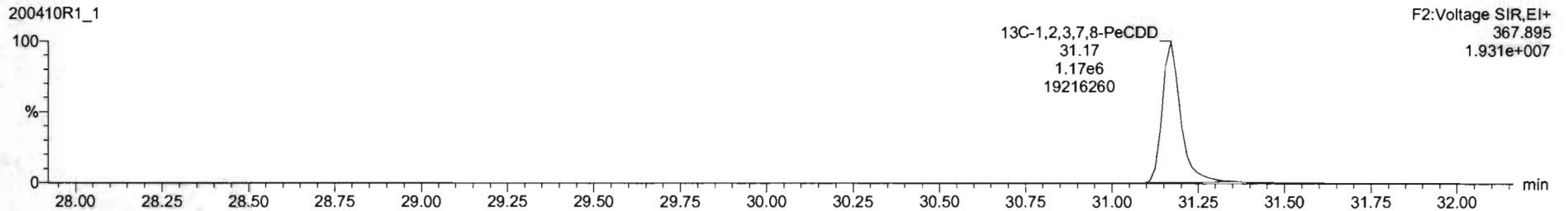


13C-1,2,3,7,8-PeCDD

200410R1_1



200410R1_1



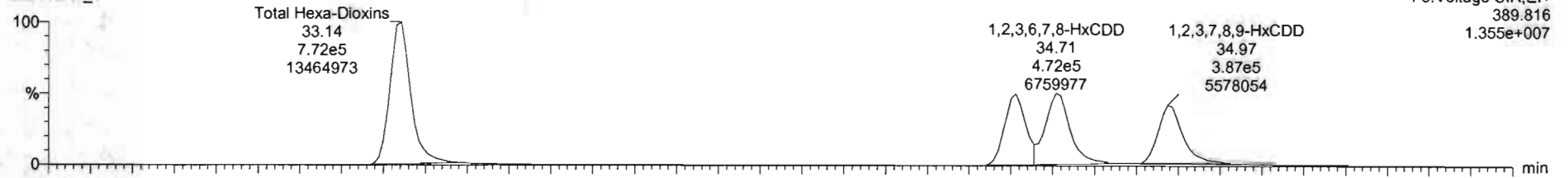
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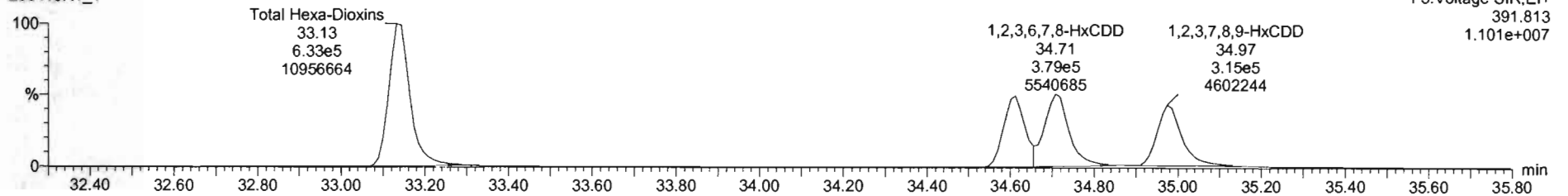
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1,2,3,4,7,8-HxCDD

200410R1_1

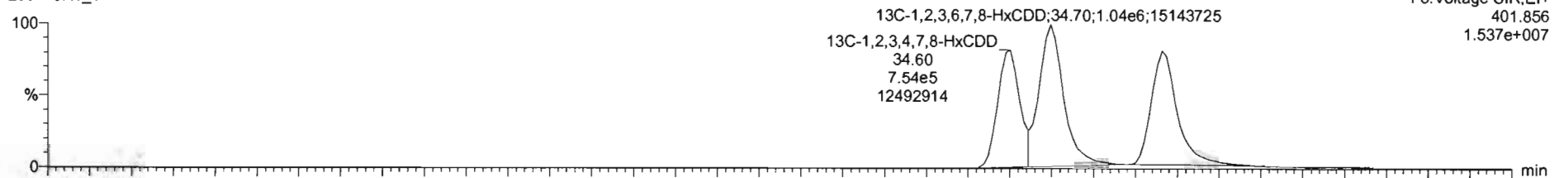


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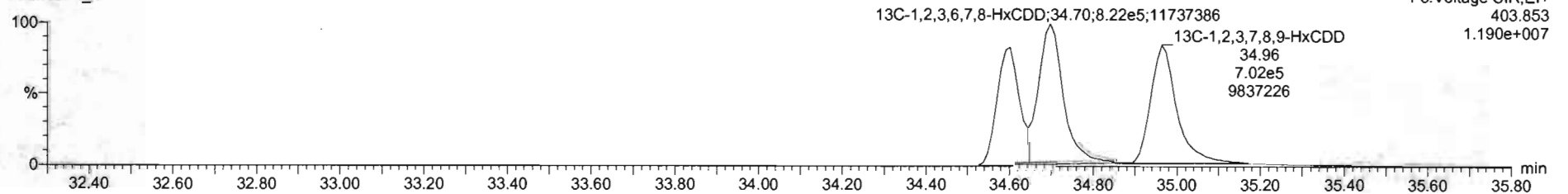


13C-1,2,3,4,7,8-HxCDD

200410R1_1



200410R1_1



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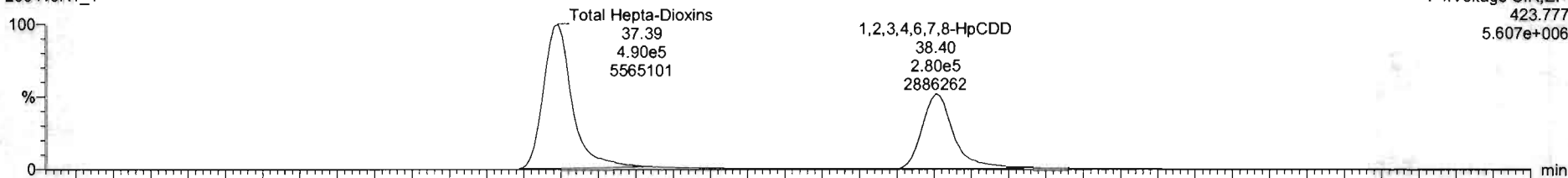
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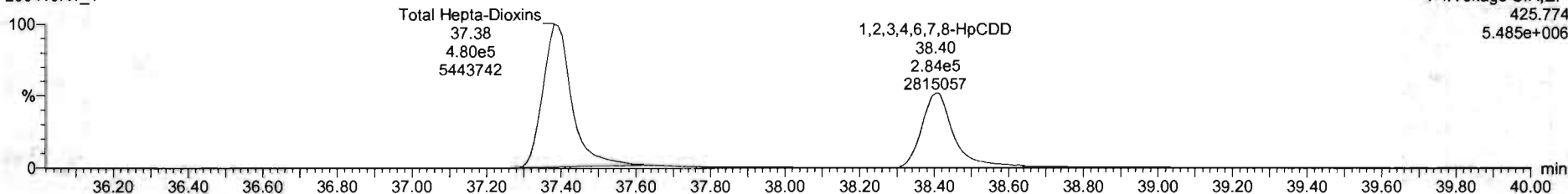
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1,2,3,4,6,7,8-HpCDD

200410R1_1

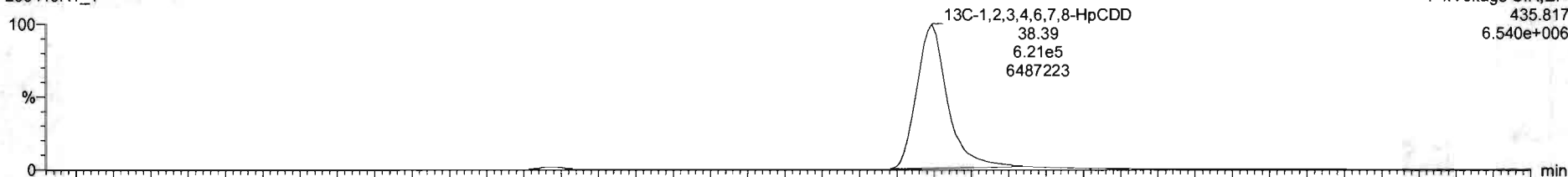


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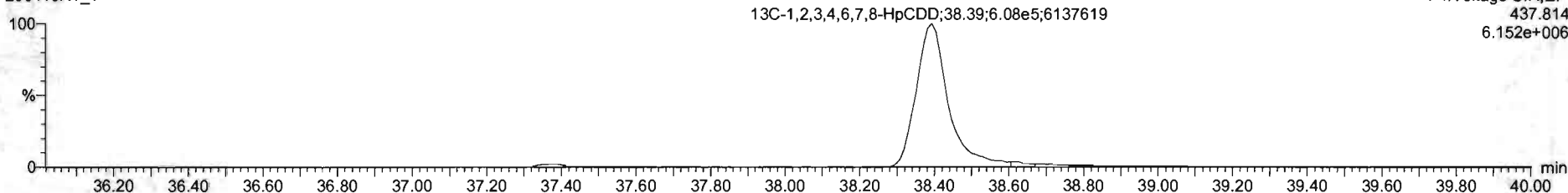


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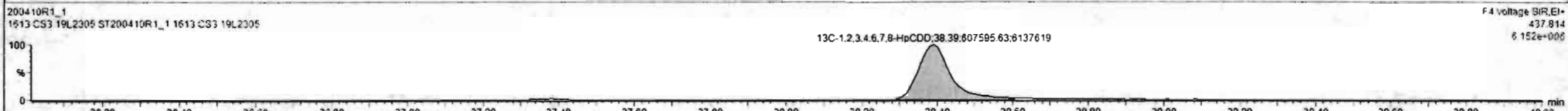
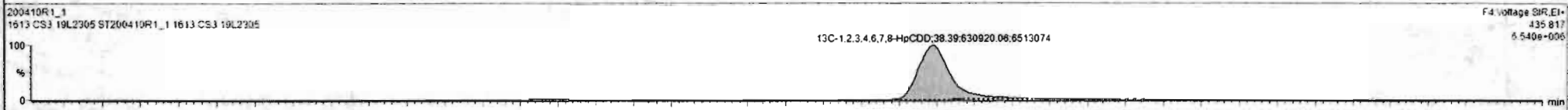
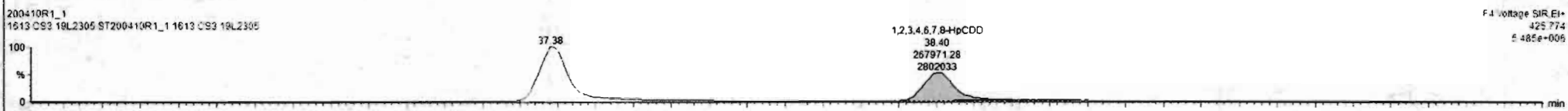
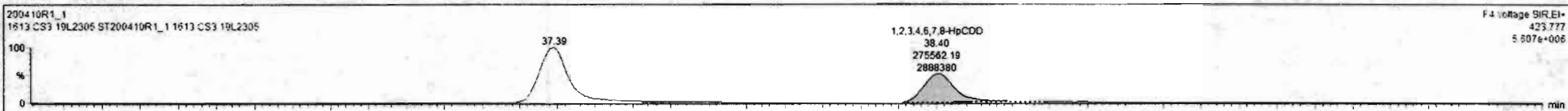
200410R1_1



200410R1_1



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	2.23e5	2.39e6	0.77	0.77	NO	0.9835	25.84	25.84	NO	1.001	1.001	9.47	94.7	NO
2	1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.83	0.62	NO	0.9212	31.19	31.19	NO	1.001	1.000	48.1	98.1	NO
3	1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	1,2,3,6,7,8-HxCDD	6.50e5	1.86e6	1.24	1.25	NO	0.9844	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	38.40	38.40	NO	1.000	1.000	43.6	87.2	NO
7	OCDD	1.12e6	2.41e6	0.89	0.88	NO	1.0515	41.47	41.48	NO	1.000	1.000	88.4	88.4	NO
8	2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	8.75	87.5	NO
9	1,2,3,7,8-PeCDF	1.21e5	2.70e6	1.55	1.55	NO	0.9594	29.83	29.83	NO	1.001	1.000	48.6	93.2	NO
10	2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.88	30.86	NO	1.001	1.000	46.9	93.9	NO
11	1,2,3,4,7,8-HxCDF	6.53e5	1.81e6	1.24	1.21	NO	1.0381	33.75	33.76	NO	1.000	1.000	45.4	90.9	NO
12	1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0126	33.88	33.88	NO	1.000	1.000	45.0	89.9	NO
13	2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0920	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0268	35.30	35.31	NO	1.000	1.000	45.3	90.5	NO
15	1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	1,2,3,4,7,8,9-HpCDF	5.26e5	9.54e5	1.04	1.00	NO	1.2099	39.04	39.06	NO	1.000	1.000	45.6	91.2	NO
17	OCDF	1.16e6	2.71e6	0.89	0.87	NO	0.9468	41.84	41.86	NO	1.000	1.000	90.2	90.2	NO
18	13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.78	NO	1.1842	25.78	25.61	NO	1.029	1.030	97.4	97.4	NO
19	13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.8644	30.97	31.17	NO	1.236	1.244	106	106	NO



Custom Reporting: Select reports to generate

200410R1_1 CAP NUM

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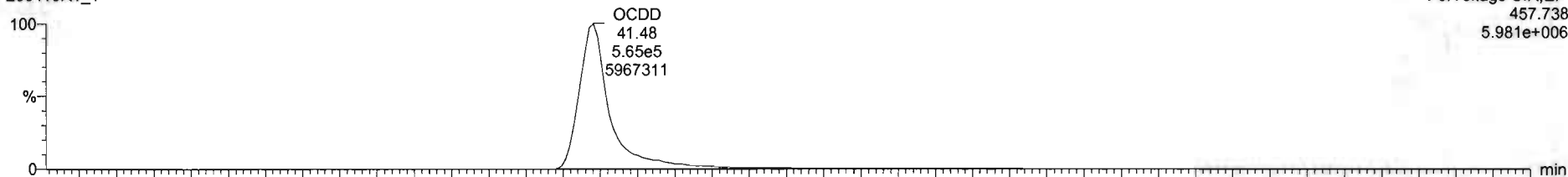
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Printed: Friday, April 10, 2020 13:32:54 Pacific Daylight Time

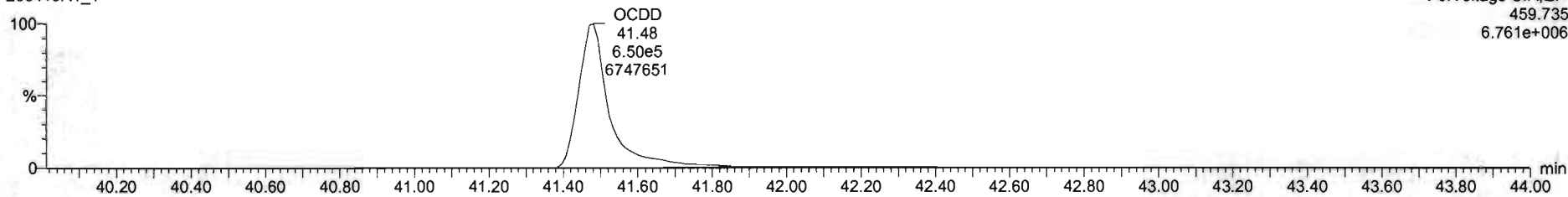
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OCDD

200410R1_1

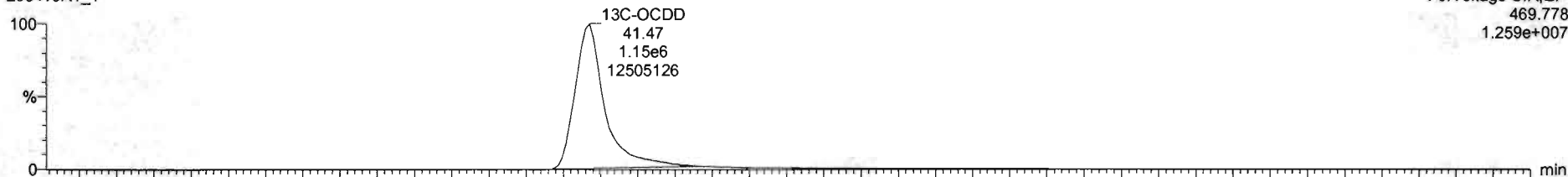


200410R1_1

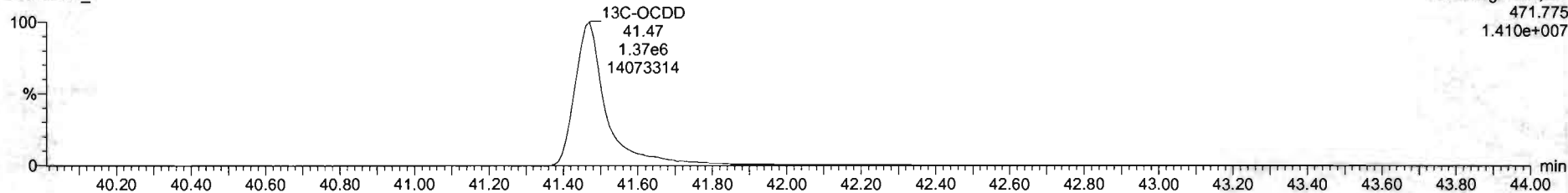


13C-OCDD

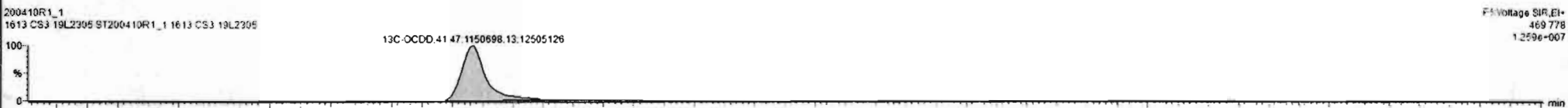
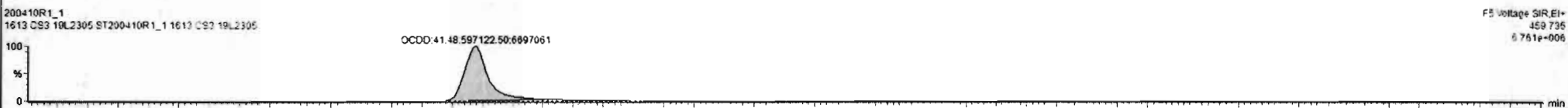
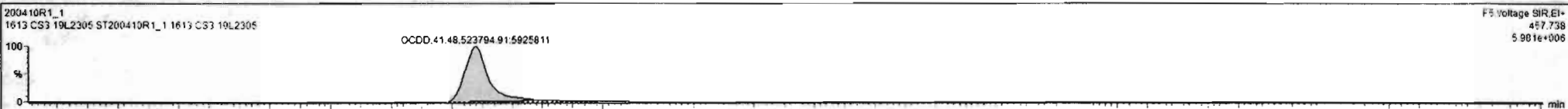
200410R1_1



200410R1_1



#	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	2.23e5	2.39e6	0.77	0.77	NO	0.9835	25.84	25.84	NO	1.001	1.001	9.47	94.7	NO
2	1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.83	0.82	NO	0.9212	31.19	31.19	NO	1.001	1.000	49.1	98.1	NO
3	1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	1,2,3,6,7,8-HxCDD	6.50e5	1.86e6	1.24	1.25	NO	0.9644	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	38.40	38.40	NO	1.000	1.000	43.6	87.2	NO
7	OCDD	1.12e6	2.41e6	0.99	0.88	NO	1.8515	41.67	41.48	NO	1.000	1.000	88.4	88.4	NO
8	2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	8.75	87.5	NO
9	1,2,3,7,8-PeCDF	1.21e6	2.70e6	1.55	1.55	NO	0.9594	29.83	29.83	NO	1.001	1.000	46.6	93.2	NO
10	2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.88	30.86	NO	1.001	1.000	46.9	93.9	NO
11	1,2,3,4,7,8-HxCDF	6.53e5	1.81e6	1.24	1.21	NO	1.0381	33.75	33.76	NO	1.000	1.000	45.4	90.9	NO
12	1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0128	33.88	33.88	NO	1.000	1.000	45.0	89.9	NO
13	2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0920	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0268	35.30	35.31	NO	1.000	1.000	45.3	90.5	NO
15	1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	1,2,3,4,7,8,9-HpCDF	5.28e5	9.54e5	1.04	1.00	NO	1.2099	39.04	39.06	NO	1.000	1.000	45.6	91.2	NO
17	OCDF	1.18e6	2.71e6	0.89	0.87	NO	0.9468	41.64	41.66	NO	1.000	1.000	90.2	90.2	NO
18	13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.78	NO	1.1842	25.78	25.81	NO	1.029	1.030	97.4	97.4	NO
19	13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.8644	30.97	31.17	NO	1.236	1.244	106	106	NO



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200410R1_1

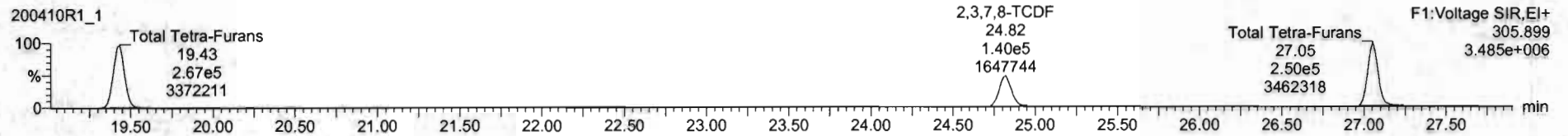
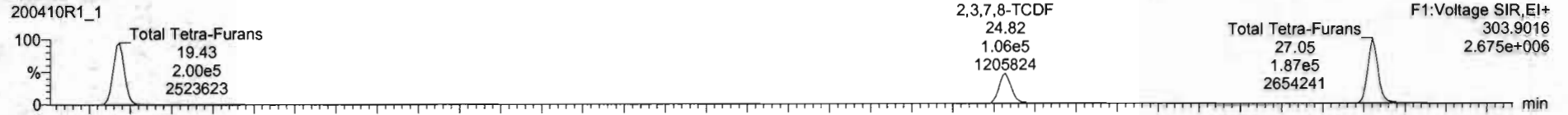
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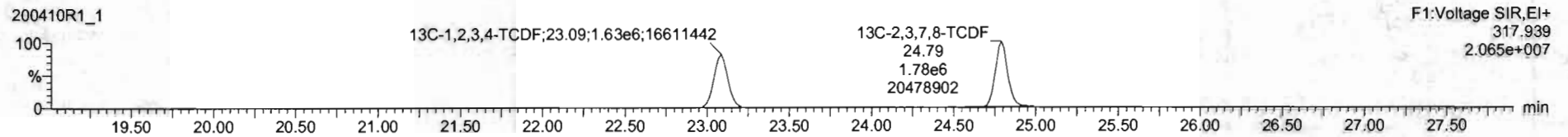
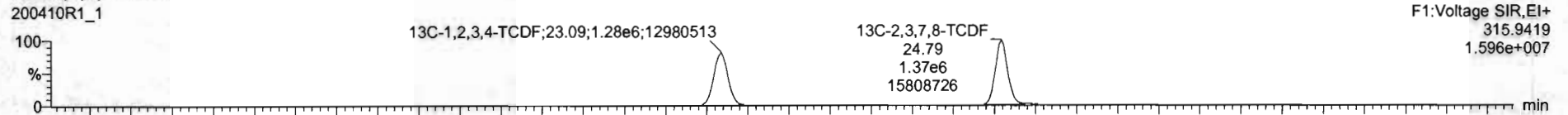
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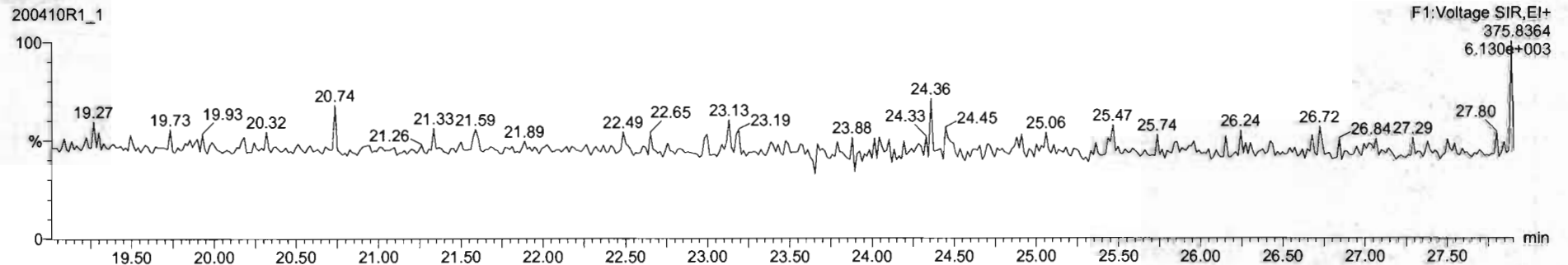
2,3,7,8-TCDF



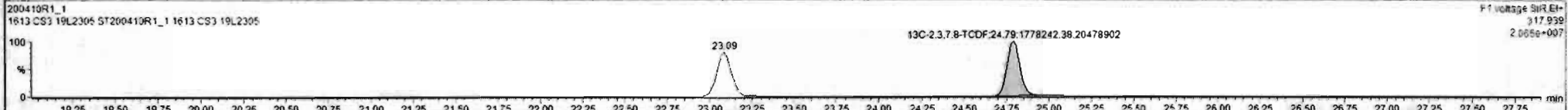
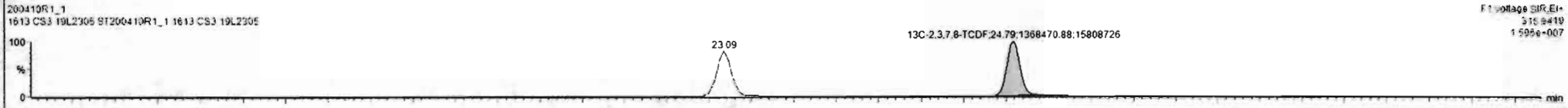
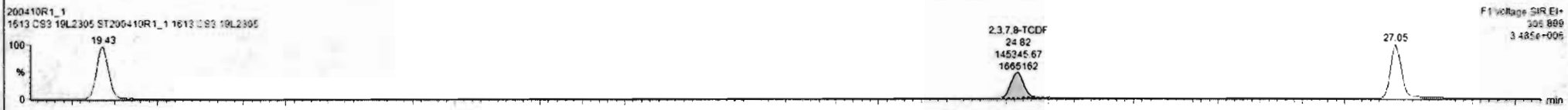
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DPE1



#	Name	Resp	IS Resp	Pred RA	RA	ily	RRF	Pred RT	RT	RT Flag	Pred.RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	2.23e5	2.39e6	0.77	0.77	NO	0.9835	25.84	25.84	NO	1.001	1.001	9.47	94.7	NO
2	1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.63	0.62	NO	0.9212	31.19	31.19	NO	1.001	1.000	49.1	98.1	NO
3	1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	1,2,3,6,7,8-HxCDD	6.50e5	1.86e6	1.24	1.25	NO	0.9844	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	38.40	38.40	NO	1.000	1.000	43.6	87.2	NO
7	OCDD	1.12e6	2.41e6	0.89	0.88	NO	1.0515	41.47	41.48	NO	1.000	1.000	88.4	88.4	NO
8	2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	8.75	87.5	NO
9	1,2,3,7,8-PeCDF	1.21e6	2.70e6	1.55	1.55	NO	0.3594	29.83	29.83	NO	1.001	1.000	46.6	93.2	NO
10	1,2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.88	30.86	NO	1.001	1.000	46.9	93.9	NO
11	1,2,3,4,7,8-HxCDF	8.53e5	1.81e6	1.24	1.21	NO	1.0381	33.75	33.76	NO	1.000	1.000	45.4	90.9	NO
12	1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0126	33.88	33.88	NO	1.000	1.000	45.0	89.9	NO
13	1,2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0820	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0268	35.30	35.31	NO	1.000	1.000	45.2	90.5	NO
15	1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	1,2,3,4,7,8,9-HpCDF	5.26e5	9.54e5	1.04	1.00	NO	1.2099	39.04	39.06	NO	1.000	1.000	45.6	91.2	NO
17	OCDF	1.16e6	2.71e6	0.89	0.87	NO	0.9468	41.64	41.66	NO	1.000	1.000	90.2	90.2	NO
18	13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.76	NO	1.1842	25.78	25.81	NO	1.029	1.030	97.4	97.4	NO
19	13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.9644	30.97	31.17	NO	1.236	1.244	106	106	NO



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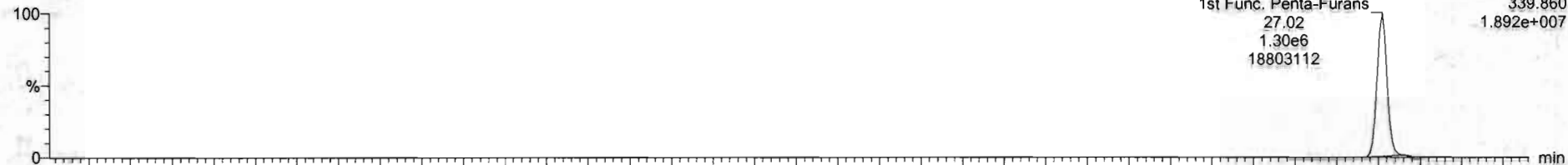
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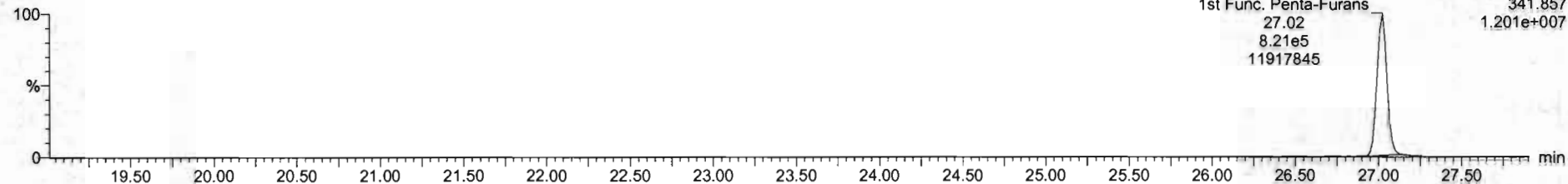
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1st Func. Penta-Furans

200410R1_1

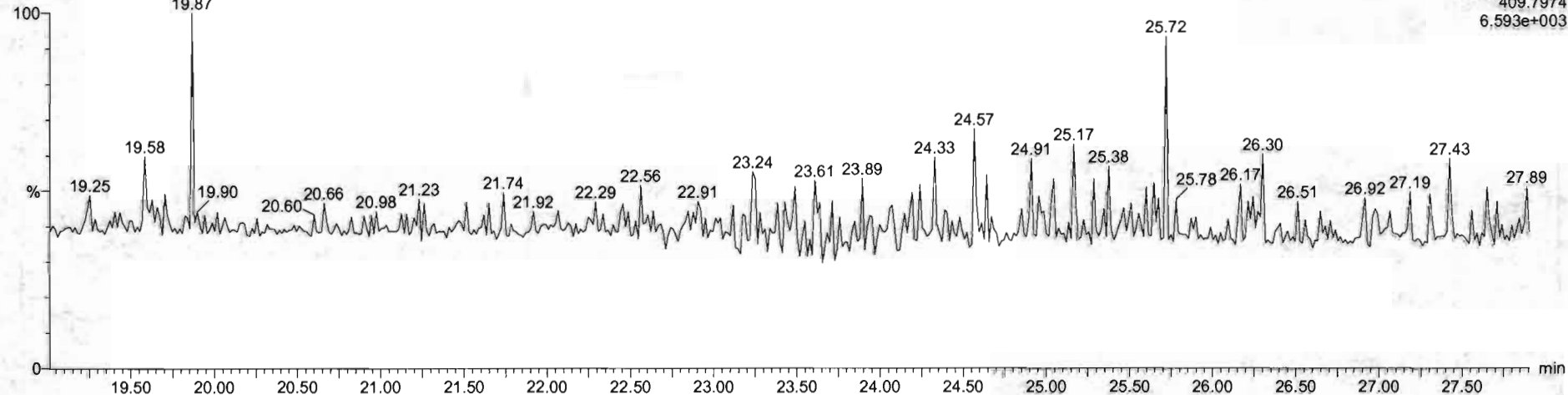


200410R1_1



DPE6

200410R1_1



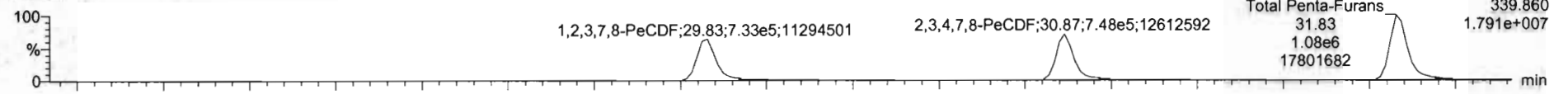
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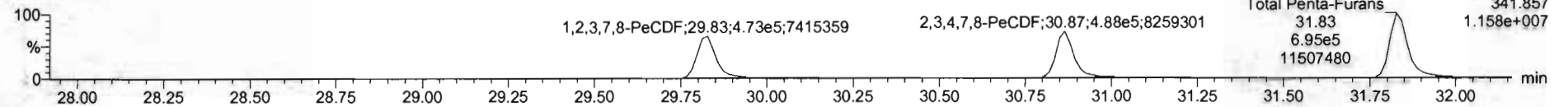
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1,2,3,7,8-PeCDF

200410R1_1

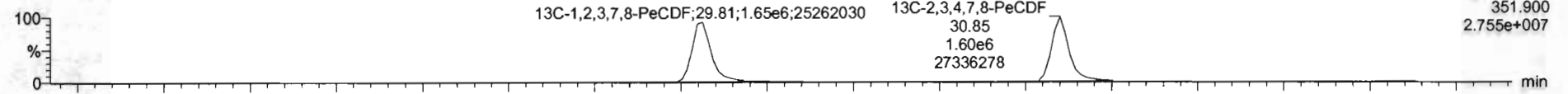


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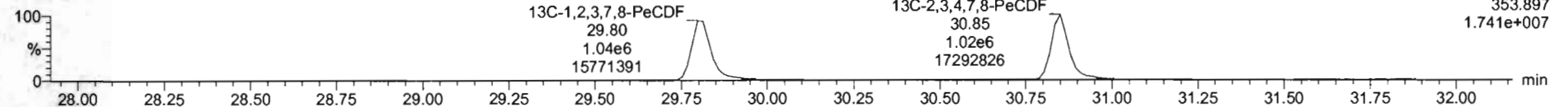


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200410R1_1

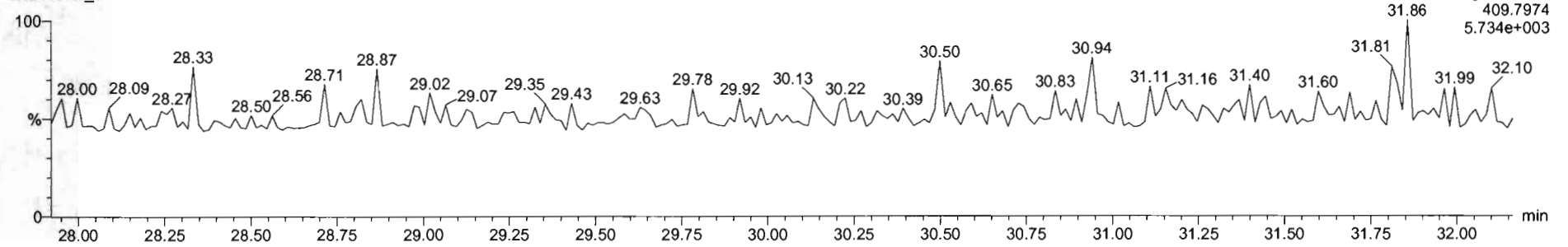


200410R1_1



DPE2

200410R1_1

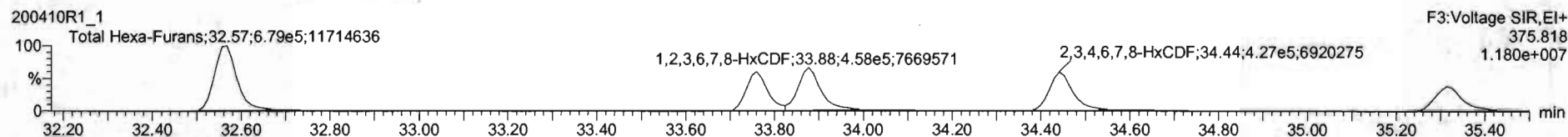
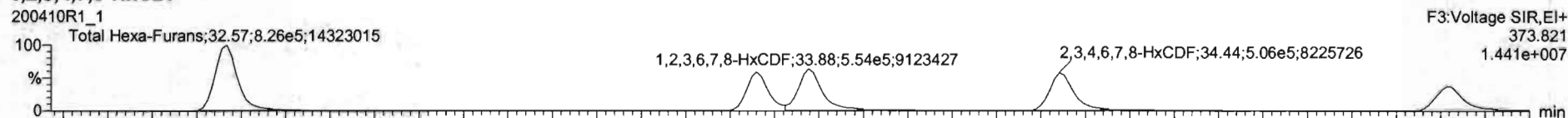


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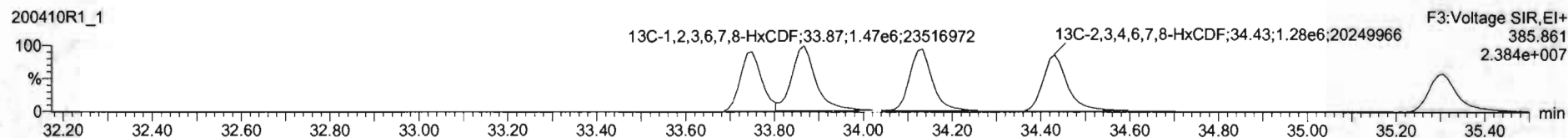
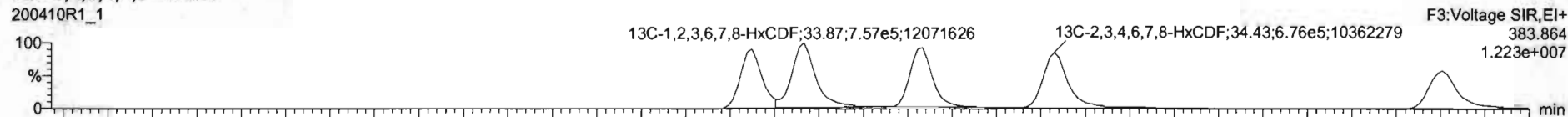
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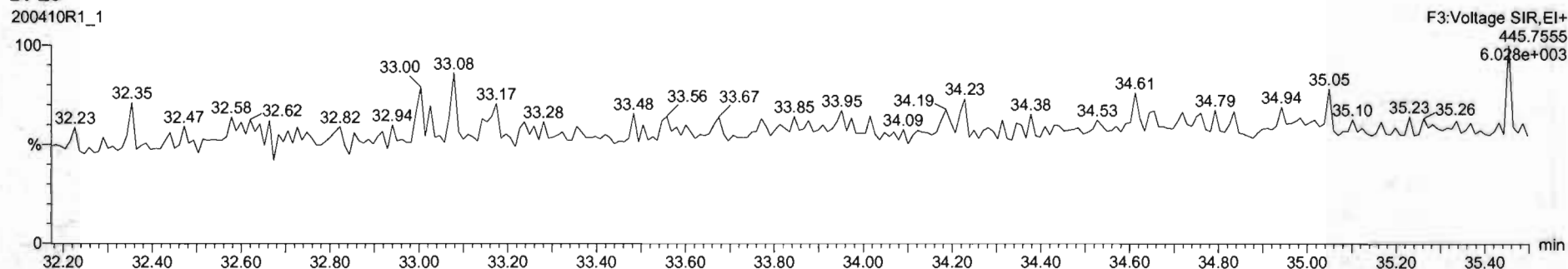
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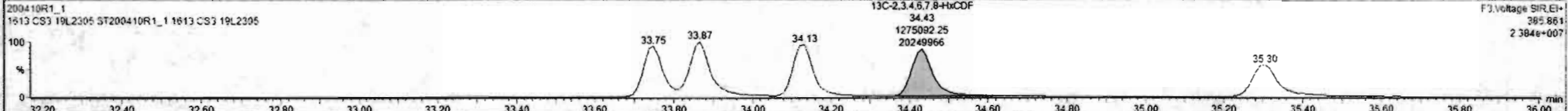
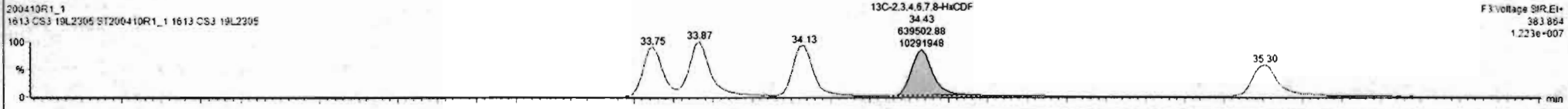
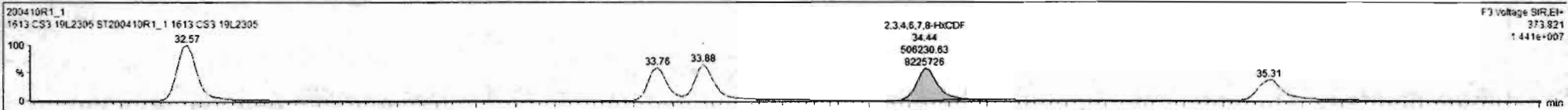
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DPE3



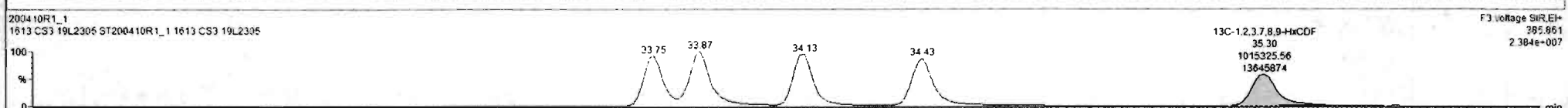
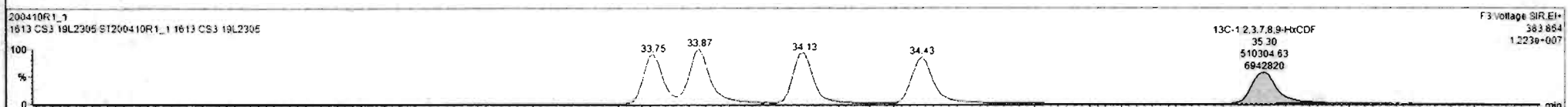
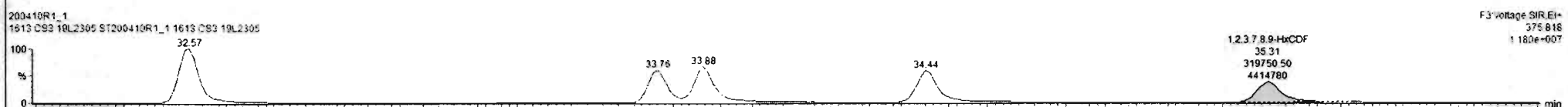
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1	2,3,7,8-TCDD	2.23e5	2.39e6	0.77	0.77	NO	0.6835	25.84	25.84	NO	1.001	1.001	9.47	94.7	NO
2	1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.63	0.62	NO	0.9212	31.19	31.19	NO	1.001	1.000	49.1	98.1	NO
3	1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	1,2,3,6,7,8-HxCDD	8.50e5	1.86e6	1.24	1.25	NO	0.9844	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	38.40	38.40	NO	1.000	1.000	43.6	87.2	NO
7	OCDD	1.12e6	2.41e6	0.89	0.88	NO	1.0515	41.47	41.48	NO	1.000	1.000	88.4	88.4	NO
8	2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	8.75	87.5	NO
9	1,2,3,7,8-PeCDF	1.21e6	2.70e6	1.55	1.55	NO	0.9594	29.83	29.83	NO	1.001	1.000	46.6	93.2	NO
10	1,2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.88	30.86	NO	1.001	1.000	46.9	93.9	NO
11	1,2,3,4,7,8-HxCDF	6.53e5	1.81e6	1.24	1.21	NO	1.0381	33.75	33.76	NO	1.000	1.000	45.4	90.9	NO
12	1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0126	33.88	33.88	NO	1.000	1.000	45.0	89.9	NO
13	2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0920	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0266	35.30	35.31	NO	1.000	1.000	45.3	90.5	NO
15	1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	1,2,3,4,7,8,9-HpCDF	5.26e5	9.54e5	1.04	1.00	NO	1.2999	39.04	39.06	NO	1.000	1.000	45.6	91.2	NO
17	OCDF	1.18e6	2.71e6	0.89	0.87	NO	0.9468	41.64	41.66	NO	1.000	1.000	90.2	90.2	NO
18	13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.76	NO	1.1842	25.78	25.61	NO	1.029	1.030	97.4	97.4	NO
19	13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.8644	30.97	31.17	NO	1.236	1.244	106	106	NO



Custom Reporting: Select reports to generate

200410R1_1 CAP NUM

#	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	2.23e5	2.39e6	0.77	0.77	NO	0.9635	25.84	25.84	NO	1.001	1.001	9.47	94.7	NO
2	1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.63	0.62	NO	0.9212	31.19	31.19	NO	1.001	1.000	49.1	98.1	NO
3	1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	1,2,3,6,7,8-HxCDD	8.50e5	1.86e6	1.24	1.25	NO	0.9844	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	36.40	36.40	NO	1.000	1.000	43.6	87.2	NO
7	OCDD	1.12e6	2.41e6	0.89	0.88	NO	1.0515	41.47	41.48	NO	1.000	1.000	88.4	88.4	NO
8	2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	8.75	87.5	NO
9	1,2,3,7,8-PeCDF	1.21e6	2.70e6	1.55	1.55	NO	0.9594	29.83	29.83	NO	1.001	1.000	46.9	93.2	NO
10	2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.88	30.88	NO	1.001	1.000	46.9	92.9	NO
11	1,2,3,4,7,8-HxCDF	6.53e5	1.81e6	1.24	1.21	NO	1.0381	33.75	33.75	NO	1.000	1.000	45.4	90.9	NO
12	1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0126	33.88	33.88	NO	1.000	1.000	45.0	89.9	NO
13	2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0920	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0268	35.39	35.31	NO	1.000	1.000	45.3	90.5	NO
15	1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	1,2,3,4,7,8,9-HpCDF	5.26e5	9.54e5	1.04	1.00	NO	1.2099	39.04	39.06	NO	1.000	1.000	45.6	91.2	NO
17	OCDF	1.16e6	2.71e6	0.89	0.87	NO	0.9488	41.64	41.68	NO	1.000	1.000	90.2	90.2	NO
18	13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.76	NO	1.1842	25.78	25.81	NO	1.029	1.030	97.4	97.4	NO
19	13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.9644	30.97	31.17	NO	1.236	1.244	106	106	NO



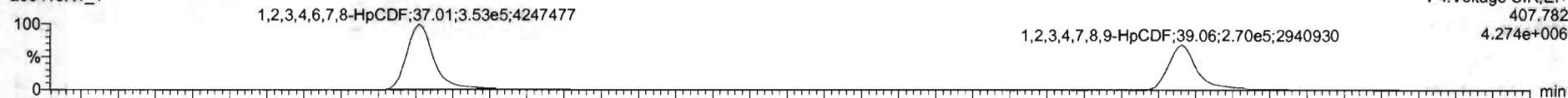
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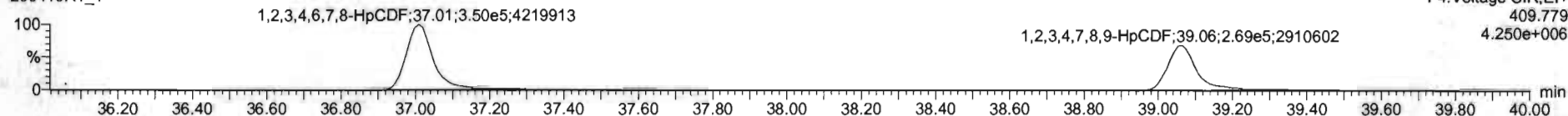
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1,2,3,4,6,7,8-HpCDF

200410R1_1

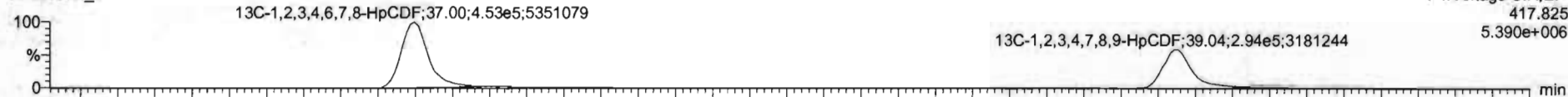


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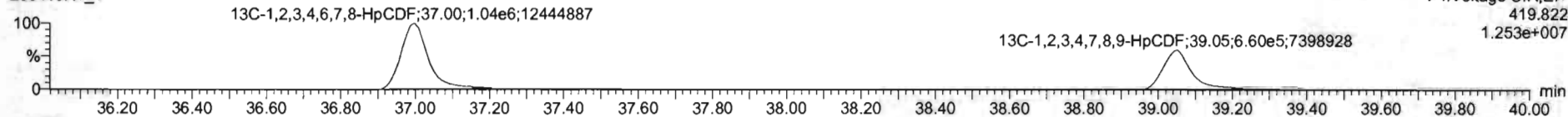


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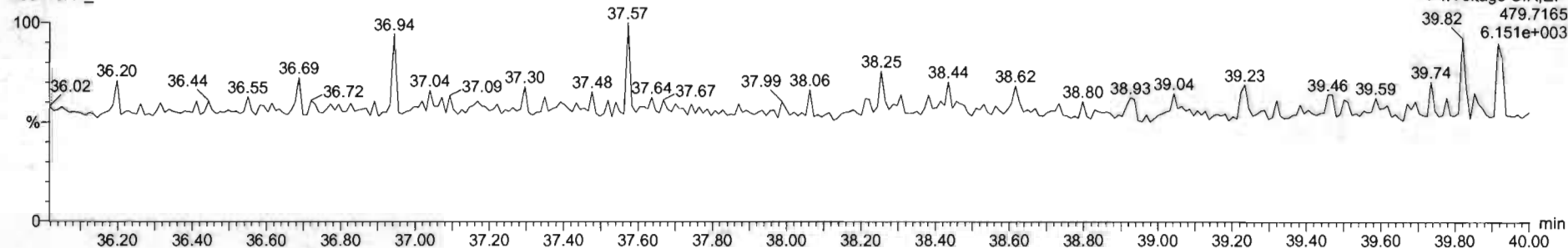


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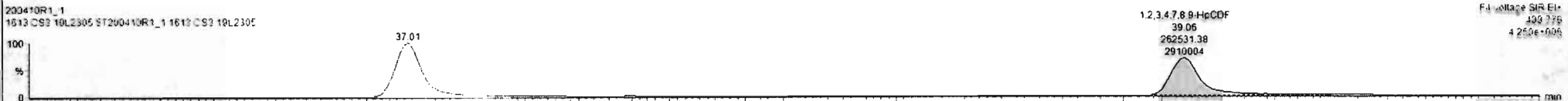


DPE4

200410R1_1



#	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	2.23e5	2.39e6	0.77	0.77	NO	0.9835	25.84	25.84	NO	1.001	1.001	9.47	94.7	NO
2	1,2,3,7,8-PeCDD	8.61e5	1.91e6	0.63	0.62	NO	0.9212	31.19	31.19	NO	1.001	1.000	49.1	98.1	NO
3	1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	1,2,3,6,7,8-HxCDD	6.50e5	1.86e6	1.24	1.25	NO	0.9844	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	1,2,3,7,8,9-HxCDD	7.02e5	1.58e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	36.40	36.40	NO	1.000	1.000	43.6	87.2	NO
7	OCDD	1.12e6	2.41e6	0.89	0.88	NO	1.0515	41.47	41.48	NO	1.000	1.000	88.4	88.4	NO
8	2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	8.75	87.5	NO
9	1,2,3,7,8-PeCDF	1.21e5	2.70e6	1.55	1.55	NO	0.9594	29.83	29.83	NO	1.001	1.000	46.6	93.2	NO
10	1,2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.86	30.86	NO	1.001	1.000	46.9	92.9	NO
11	1,2,3,4,7,8-HxCDF	6.53e5	1.81e6	1.24	1.21	NO	1.0361	33.75	33.76	NO	1.000	1.000	45.4	90.9	NO
12	1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0126	33.86	33.88	NO	1.000	1.000	45.0	89.9	NO
13	1,2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0920	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0262	35.30	35.31	NO	1.000	1.000	45.3	90.5	NO
15	1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	1,2,3,4,7,8,9-HpCDF	5.25e5	9.54e5	1.04	1.00	NO	1.2099	38.04	38.06	NO	1.000	1.000	45.6	91.2	NO
17	OCDF	1.16e6	2.71e6	0.89	0.87	NO	0.9468	41.64	41.66	NO	1.000	1.000	90.2	90.2	NO
18	13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.78	NO	1.1842	25.78	25.81	NO	1.029	1.030	97.4	97.4	NO
19	13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.9644	30.97	31.17	NO	1.236	1.244	106	106	NO



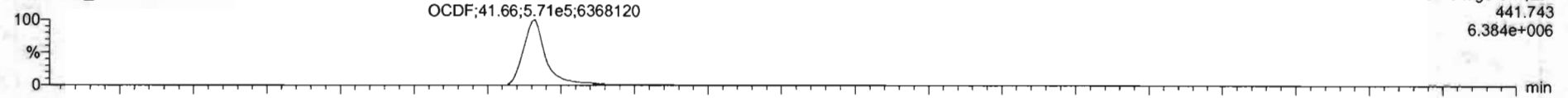
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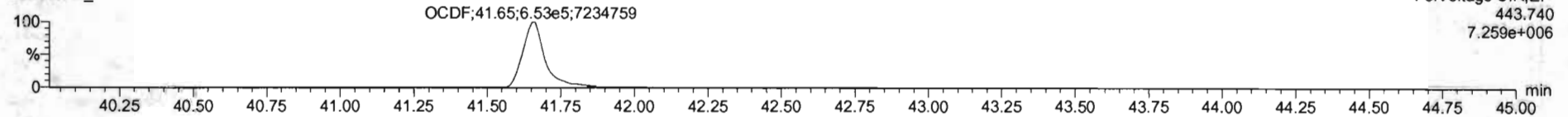
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OCDF

200410R1_1

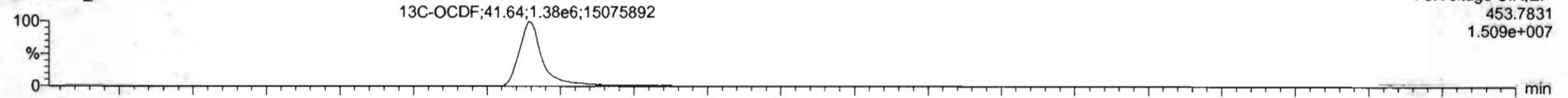


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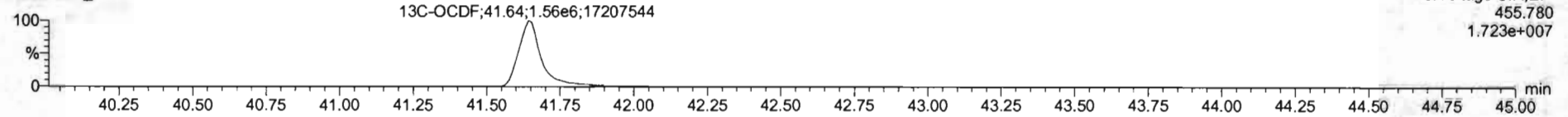


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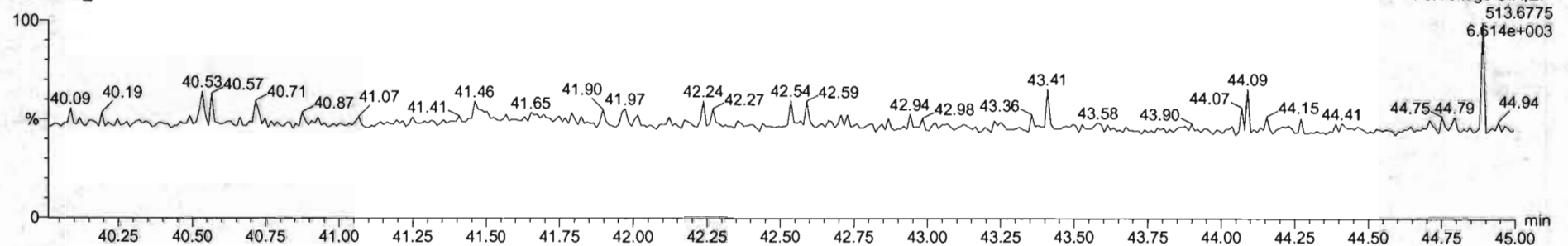


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DPES

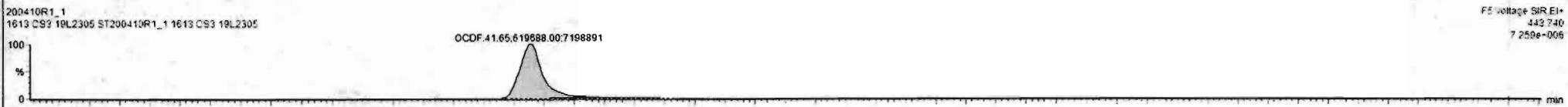
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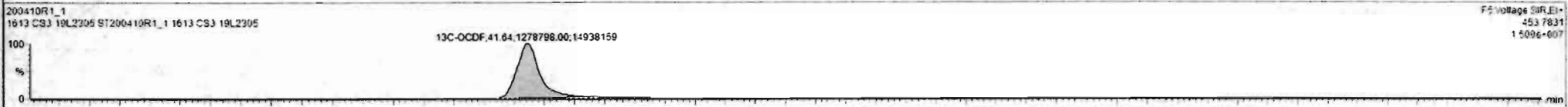
#	Name	Reap	IS Reap	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	2.23e5	2.39e5	0.77	0.77	NO	0.9835	25.84	25.84	NO	1.001	1.001	9.47	94.7	NO
2	2 1,2,3,7,8-PeCDD	6.61e5	1.91e6	0.62	0.62	NO	0.9212	31.19	31.19	NO	1.001	1.000	49.1	98.1	NO
3	3 1,2,3,4,7,8-HxCDD	7.03e5	1.35e6	1.24	1.24	NO	1.1325	34.61	34.61	NO	1.000	1.000	46.0	92.1	NO
4	4 1,2,3,6,7,8-HxCDD	6.50e5	1.86e6	1.24	1.25	NO	0.9844	34.70	34.71	NO	1.000	1.000	46.4	92.8	NO
5	5 1,2,3,7,8,9-HxCDD	7.02e5	1.56e6	1.24	1.23	NO	0.9674	34.97	34.97	NO	1.000	1.000	46.0	92.0	NO
6	6 1,2,3,4,6,7,8-HpCDD	5.44e5	1.24e6	1.04	1.03	NO	1.0061	36.40	36.40	NO	1.000	1.000	43.6	87.2	NO
7	7 OCDD	1.12e6	2.41e6	0.89	0.88	NO	1.0515	41.47	41.48	NO	1.000	1.000	88.4	88.4	NO
8	8 2,3,7,8-TCDF	2.52e5	3.15e6	0.77	0.74	NO	0.9154	24.82	24.82	NO	1.001	1.001	8.75	87.5	NO
9	9 1,2,3,7,8-PeCDF	1.21e6	2.70e6	1.55	1.55	NO	0.9594	29.83	29.83	NO	1.001	1.000	46.6	93.2	NO
10	10 2,3,4,7,8-PeCDF	1.24e6	2.63e6	1.55	1.53	NO	1.0035	30.88	30.86	NO	1.001	1.000	46.9	93.9	NO
11	11 1,2,3,4,7,8-HxCDF	6.53e5	1.81e6	1.24	1.21	NO	1.0381	33.75	33.76	NO	1.000	1.000	45.4	90.9	NO
12	12 1,2,3,6,7,8-HxCDF	1.01e6	2.22e6	1.24	1.21	NO	1.0126	33.88	33.88	NO	1.000	1.000	45.0	89.9	NO
13	13 2,3,4,6,7,8-HxCDF	9.33e5	1.91e6	1.24	1.19	NO	1.0920	34.47	34.44	NO	1.001	1.000	44.6	89.3	NO
14	14 1,2,3,7,8,9-HxCDF	7.09e5	1.53e6	1.24	1.22	NO	1.0262	35.30	35.31	NO	1.000	1.000	45.3	90.5	NO
15	15 1,2,3,4,6,7,8-HpCDF	7.03e5	1.48e6	1.04	1.01	NO	1.0483	37.03	37.01	NO	1.001	1.000	45.4	90.8	NO
16	16 1,2,3,4,7,8,9-HpCDF	5.26e5	9.54e5	1.04	1.00	NO	1.2095	39.04	39.06	NO	1.000	1.000	45.6	91.2	NO
17	17 OCDF	1.16e6	2.71e6	0.89	0.87	NO	0.9468	41.54	41.66	NO	1.000	1.000	90.2	90.2	NO
18	18 13C-2,3,7,8-TCDD	2.39e6	2.07e6	0.77	0.78	NO	1.1842	25.78	25.81	NO	1.029	1.030	97.4	97.4	NO
19	19 13C-1,2,3,7,8-PeCDD	1.91e6	2.07e6	0.63	0.63	NO	0.8644	30.97	31.17	NO	1.236	1.244	106	106	NO



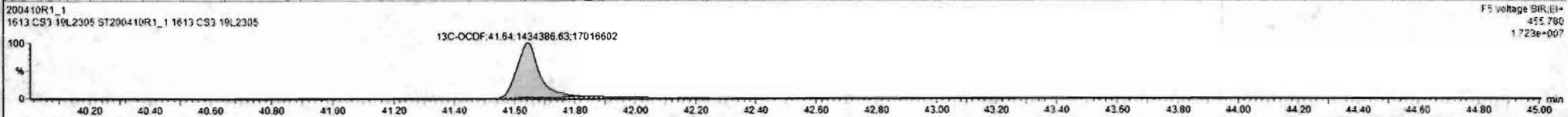
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6.384e+006



F5 voltage SIR.EI+
442.740
7.259e+006



F5 voltage SIR.EI+
453.7831
1.509e+007

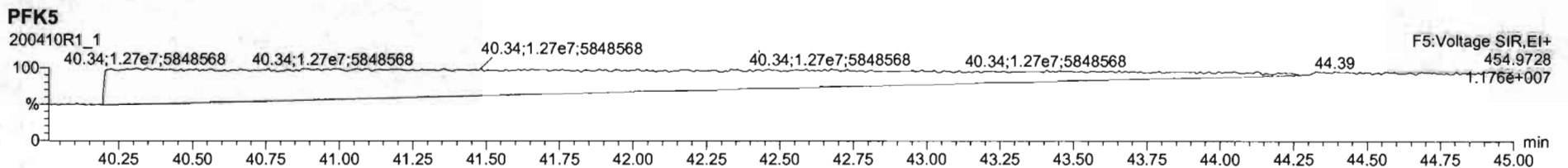
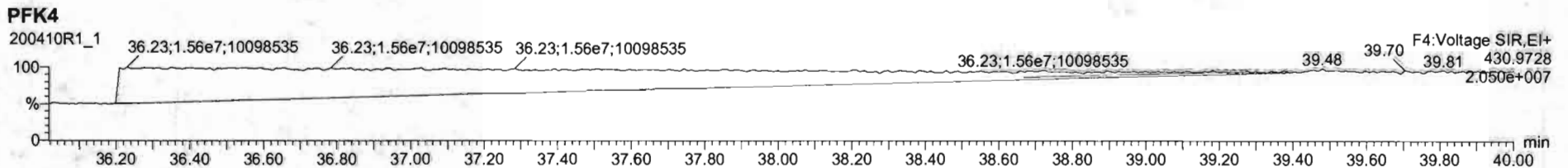
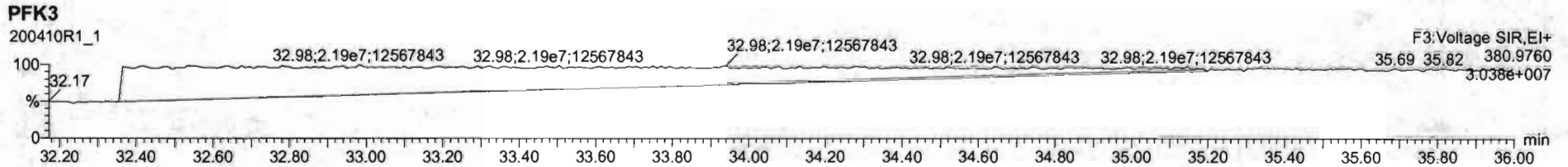
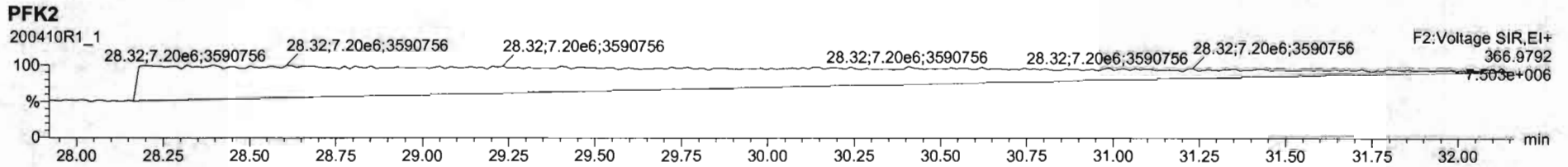
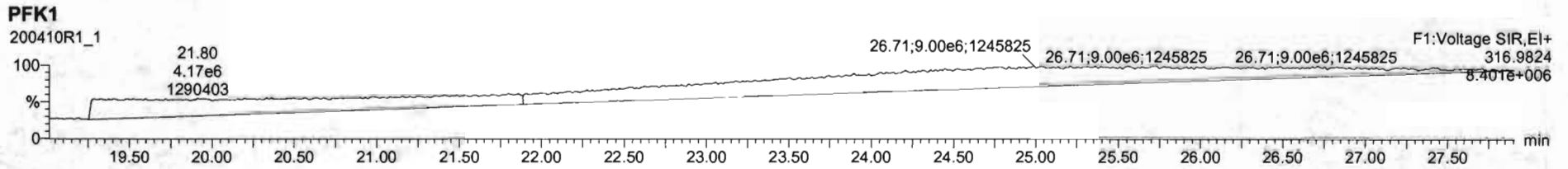


F5 voltage SIR.EI+
455.780
1.723e+007

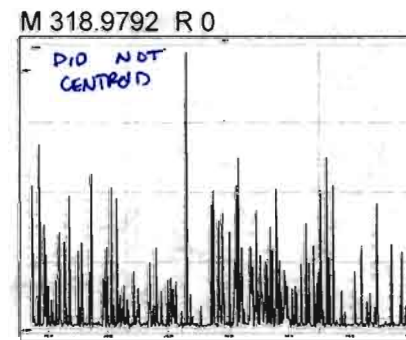
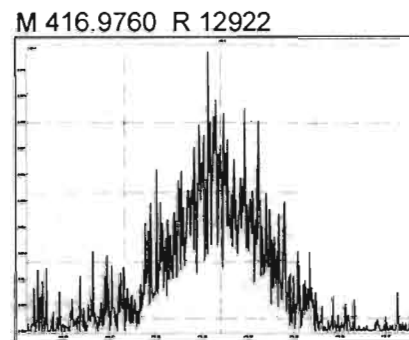
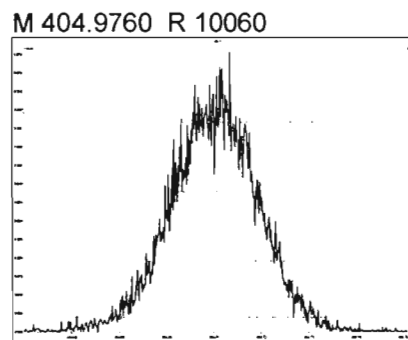
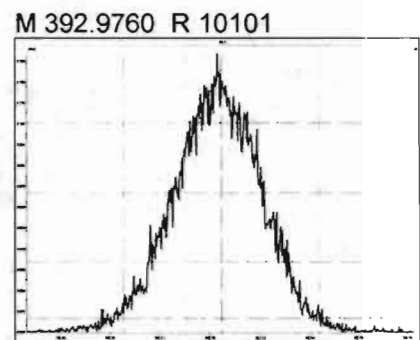
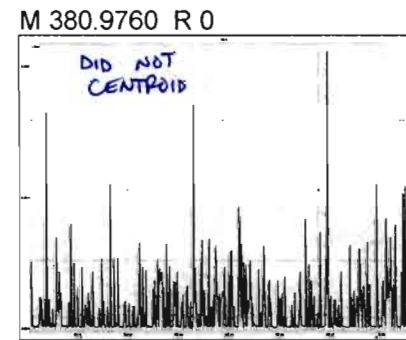
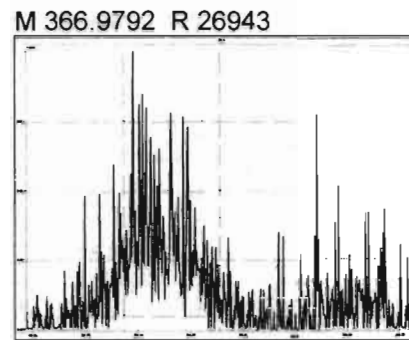
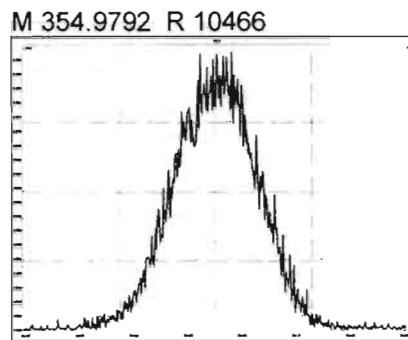
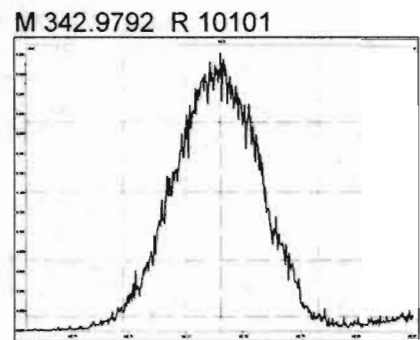
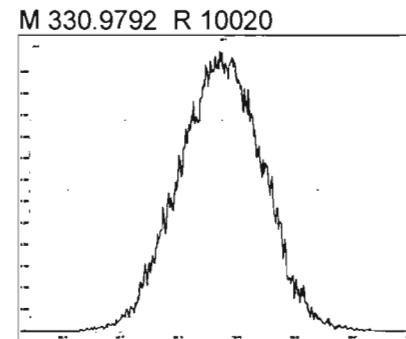
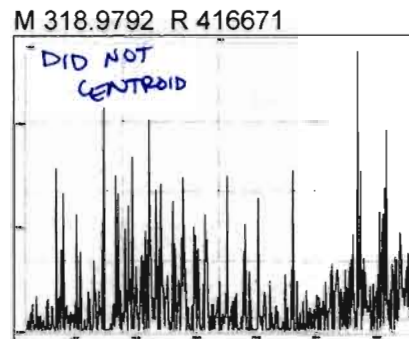
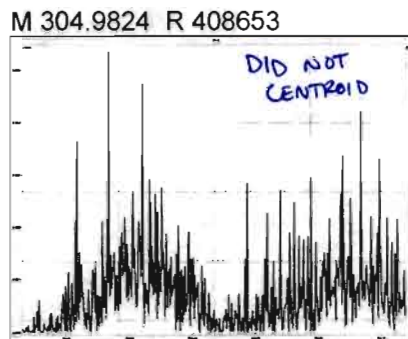
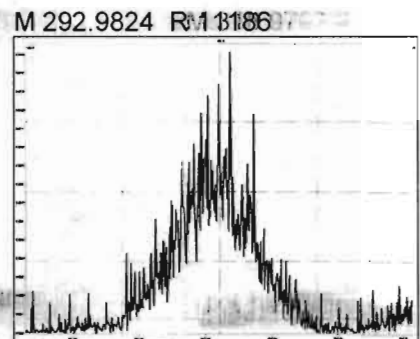
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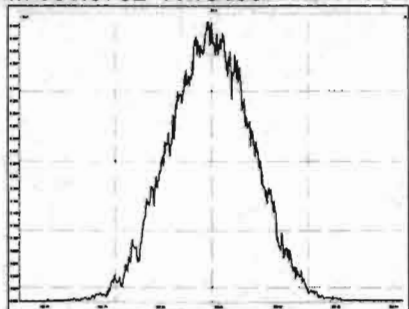


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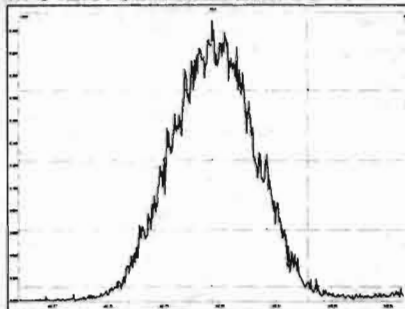


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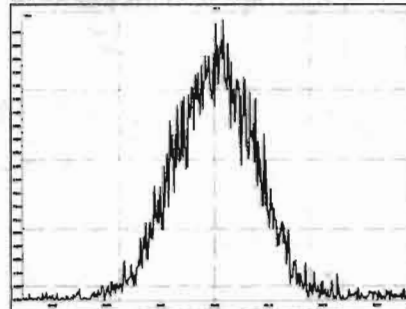
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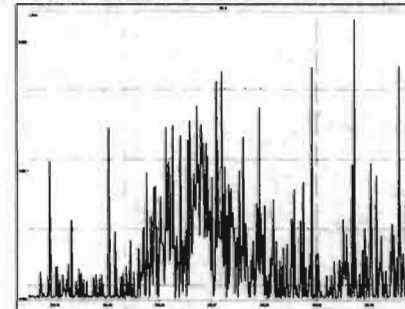
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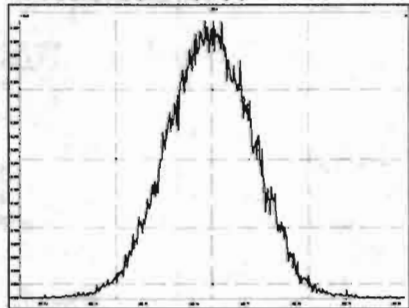
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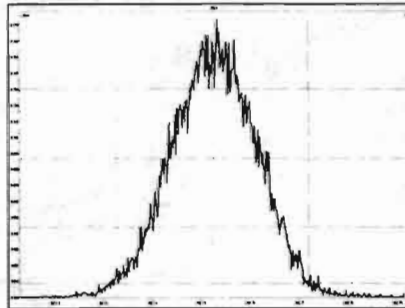
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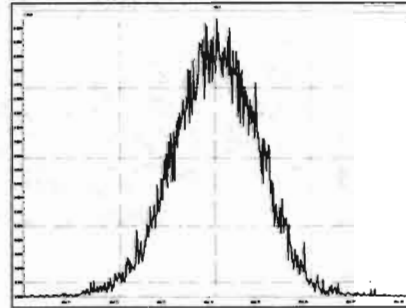
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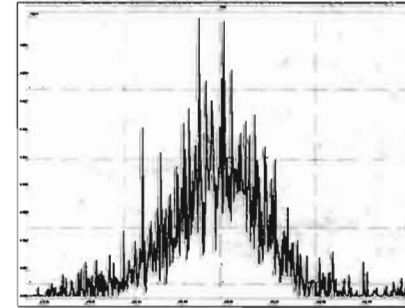
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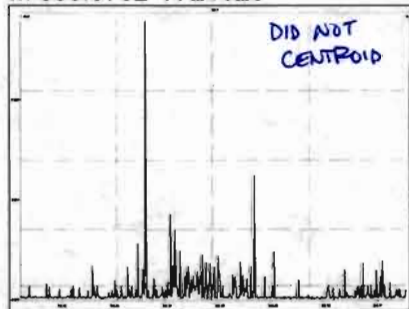
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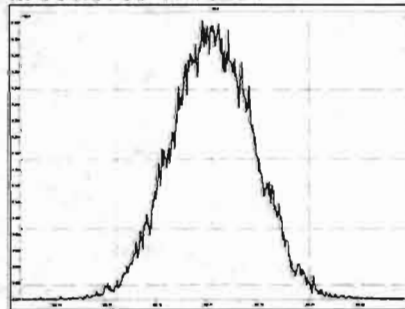
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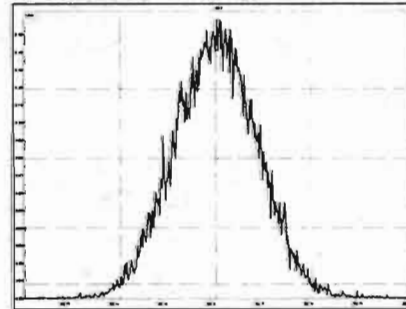
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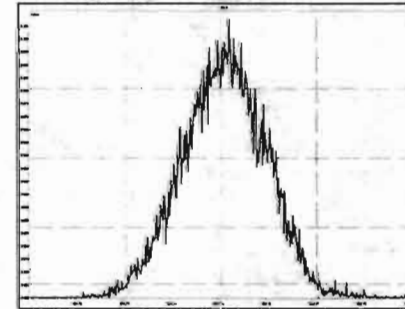
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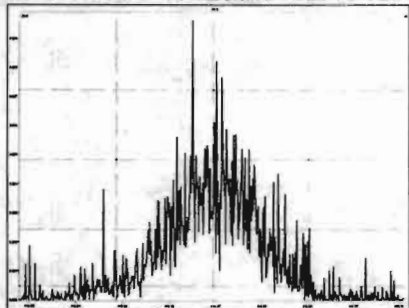


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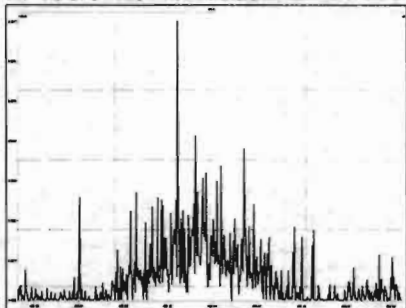


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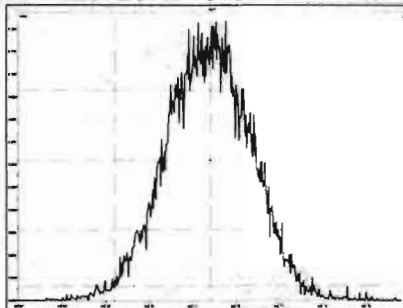
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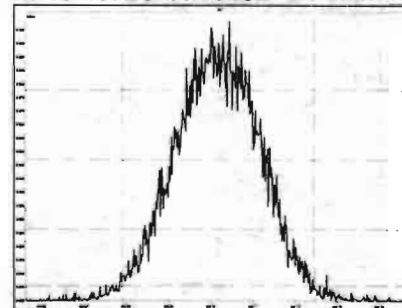
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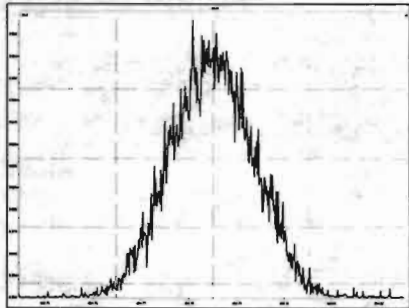
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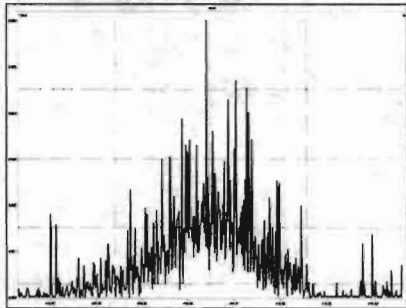
M 454.9728 R 10292



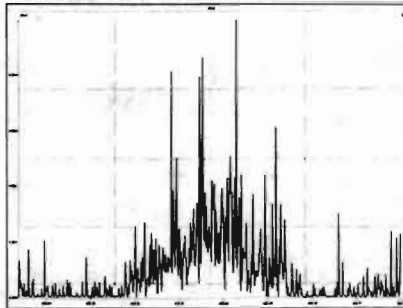
M 404.9760 R 10732



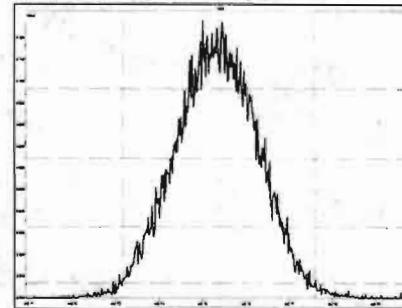
M 416.9760 R 15008



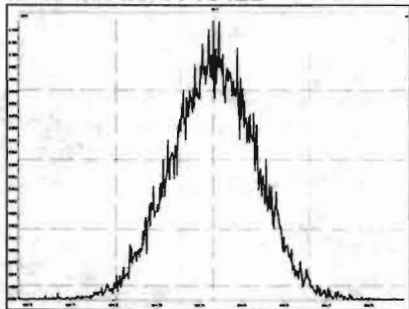
M 430.9728 R 21068



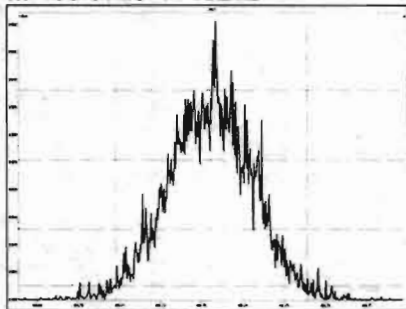
M 442.9728 R 10438



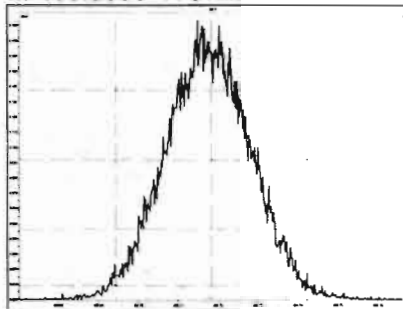
M 454.9728 R 10422



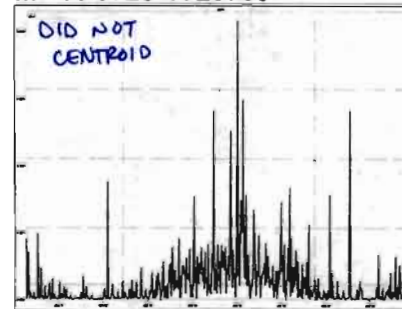
M 466.9728 R 10276



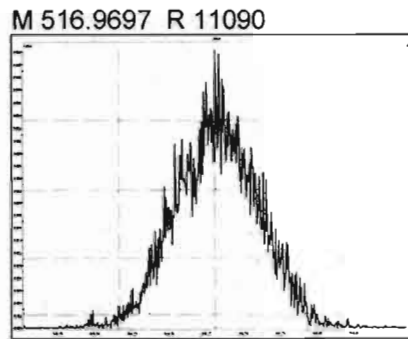
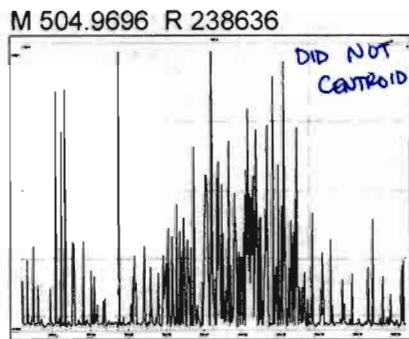
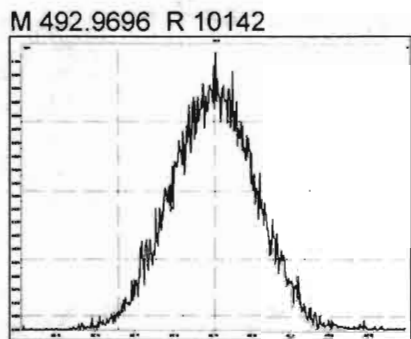
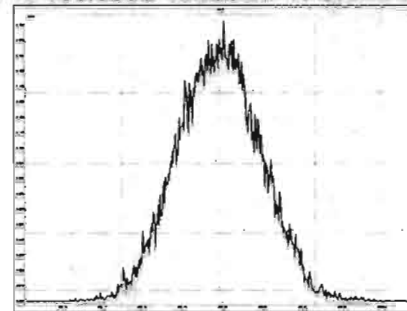
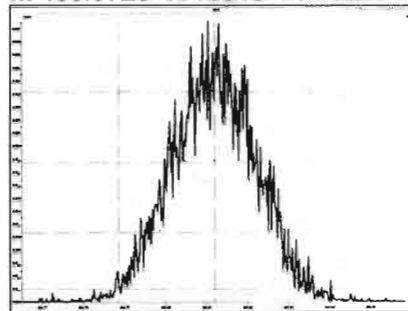
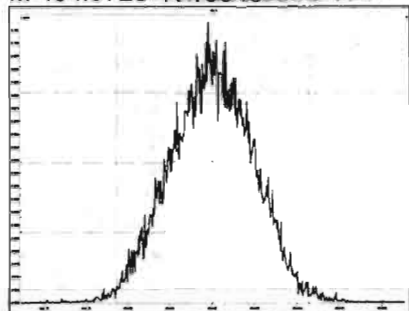
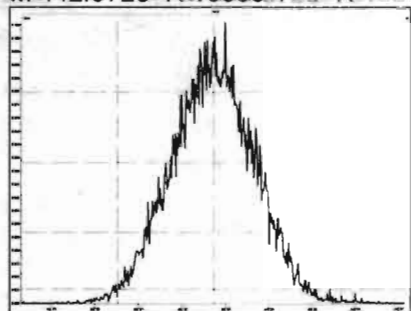
M 480.9696 R 9728



M 430.9728 R 20758



Printed: Friday, April 10, 2020 20:45:39 Pacific Daylight Time



Dataset: U:\VG12.PRO\Results\200410R2\200410R2-2.qld

Last Altered: Monday, April 13, 2020 07:25:42 Pacific Daylight Time

Printed: Monday, April 13, 2020 07:26:21 Pacific Daylight Time

GRB 04/13/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

C704/B/2020

Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.R _i	RT	RT Flag	Pred.RRT	RRT	Conc.	%Ret	STD out
1	1 2,3,7,8-TCDD	2.24e5	2.48e6	0.78	NO	0.983	25.80	25.78	NO	1.001	1.001	9.1732	91.7	NO
2	2 1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.62	NO	0.921	31.18	31.17	NO	1.001	1.000	47.862	95.7	NO
3	3 1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.22	NO	1.13	34.59	34.60	NO	1.000	1.001	47.798	95.6	NO
4	4 1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.23	NO	0.984	34.69	34.70	NO	1.000	1.000	43.868	87.7	NO
5	5 1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.22	NO	0.967	34.96	34.96	NO	1.000	1.000	45.642	91.3	NO
6	6 1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.02	NO	1.01	38.39	38.39	NO	1.000	1.000	45.141	90.3	NO
7	7 OCDD	1.07e6	2.28e6	0.89	NO	1.05	41.48	41.49	NO	1.000	1.000	89.196	89.2	NO
8	8 2,3,7,8-TCDF	2.53e5	3.25e6	0.75	NO	0.915	24.76	24.76	NO	1.001	1.001	8.5059	85.1	NO
9	9 1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	NO	0.959	29.80	29.80	NO	1.001	1.001	45.965	91.9	NO
10	10 2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	NO	1.00	30.85	30.84	NO	1.001	1.000	47.189	94.4	NO
11	11 1,2,3,4,7,8-HxCDF	8.02e5	1.71e6	1.20	NO	1.04	33.73	33.75	NO	1.000	1.001	45.129	90.3	NO
12	12 1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.21	NO	1.01	33.87	33.87	NO	1.000	1.000	45.162	90.3	NO
13	13 2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.20	NO	1.09	34.45	34.43	NO	1.001	1.000	45.261	90.5	NO
14	14 1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.21	NO	1.03	35.29	35.30	NO	1.000	1.000	46.037	92.1	NO
15	15 1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.00	NO	1.05	37.02	37.00	NO	1.001	1.000	45.374	90.7	NO
16	16 1,2,3,4,7,8,9-HpCDF	4.99e5	9.11e5	0.99	NO	1.21	39.04	39.05	NO	1.000	1.000	45.255	90.5	NO
17	17 OCDF	1.07e6	2.58e6	0.87	NO	0.947	41.65	41.66	NO	1.000	1.000	87.581	87.6	NO
18	18 13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.79	NO	1.18	25.73	25.77	NO	1.029	1.030	97.483	97.5	NO
19	19 13C-1,2,3,7,8-PeCDD	1.86e6	2.15e6	0.62	NO	0.864	30.92	31.16	NO	1.236	1.245	99.888	99.9	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.27	NO	0.754	34.59	34.58	NO	1.014	1.014	98.141	98.1	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.26	NO	0.925	34.69	34.69	NO	1.017	1.017	104.90	105	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.54e6	1.78e6	1.22	NO	0.829	34.96	34.95	NO	1.025	1.025	104.39	104	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.20e6	1.78e6	1.05	NO	0.598	38.43	38.38	NO	1.127	1.125	112.96	113	NO
24	24 13C-OCDD	2.28e6	1.78e6	0.89	NO	0.571	41.59	41.48	NO	1.219	1.216	225.21	113	NO
25	25 13C-2,3,7,8-TCDF	3.25e6	3.01e6	0.77	NO	1.09	24.76	24.73	NO	0.990	0.989	98.902	98.9	NO
26	26 13C-1,2,3,7,8-PeCDF	2.71e6	3.01e6	1.57	NO	0.876	29.59	29.78	NO	1.183	1.190	102.61	103	NO
27	27 13C-2,3,4,7,8-PeCDF	2.55e6	3.01e6	1.57	NO	0.844	30.60	30.82	NO	1.223	1.232	100.42	100	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.71e6	1.78e6	0.51	NO	1.00	33.73	33.73	NO	0.989	0.989	96.370	96.4	NO
29	29 13C-1,2,3,6,7,8-HxCDF	2.04e6	1.78e6	0.51	NO	1.12	33.84	33.86	NO	0.992	0.993	102.58	103	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.79e6	1.78e6	0.51	NO	1.04	34.42	34.42	NO	1.009	1.009	97.240	97.2	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.50e6	1.78e6	0.51	NO	0.873	35.30	35.29	NO	1.035	1.035	96.498	96.5	NO

Dataset: U:\VG12.PRO\Results\200410R2\200410R2-2.qld

Last Altered: Monday, April 13, 2020 07:25:42 Pacific Daylight Time

Printed: Monday, April 13, 2020 07:26:21 Pacific Daylight Time

Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.36e6	1.78e6	0.44	NO	0.771	37.02	36.99	NO	1.085	1.084	99.592	99.6	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	9.11e5	1.78e6	0.43	NO	0.519	39.12	39.04	NO	1.147	1.145	98.769	98.8	NO
34	34 13C-OCDF	2.58e6	1.78e6	0.87	NO	0.696	41.77	41.65	NO	1.225	1.221	208.46	104	NO
35	35 37Cl-2,3,7,8-TCDD	2.35e5	2.15e6			1.17	25.74	25.78	NO	1.029	1.031	9.2856	92.9	NO
36	36 13C-1,2,3,4-TCDD	2.15e6	2.15e6	0.81	NO	1.00	25.05	25.02	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	3.01e6	3.01e6	0.78	NO	1.00	23.19	23.03	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.78e6	1.78e6	0.51	NO	1.00	34.04	34.11	NO	1.000	1.000	100.00	100	YES

Dataset: Untitled

Last Altered: Monday, April 13, 2020 07:31:33 Pacific Daylight Time

Printed: Monday, April 13, 2020 07:31:36 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

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

	Name	ID	Acq.Date	Acq.Time
1	200410R2_1	SOLVENT BLANK	10-Apr-20	20:45:41
2	200410R2_2	ST200410R2_1 1613 CS3 19L2305	10-Apr-20	21:31:56
3	200410R2_3	SOLVENT BLANK	10-Apr-20	22:19:45
4	200410R2_4	2000771-01 Final Effluent 0.97948	10-Apr-20	23:07:40
5	200410R2_5	2000772-01 Downstream 0.98275	10-Apr-20	23:55:31
6	200410R2_6	B0D0081-DUP1 Duplicate 17.78	11-Apr-20	00:43:19
7	200410R2_7	2000787-01 PDI-064SC-A-04-05-190929 17.72	11-Apr-20	01:31:09
8	200410R2_8	2000787-02 PDI-064SC-A-05-06-190929 16.7	11-Apr-20	02:18:59
9	200410R2_9	2000787-03 PDI-064SC-A-06-07-190929 18.1	11-Apr-20	03:06:49
10	200410R2_10	2000787-04 PDI-064SC-A-07-08-190929 15.6	11-Apr-20	03:54:39
11	200410R2_11	2000787-05 PDI-064SC-A-08-09-190929 16.32	11-Apr-20	04:42:28
12	200410R2_12	2000787-06 PDI-064SC-A-09-10-190929 13.76	11-Apr-20	05:30:17
13	200410R2_13	2000787-07 PDI-064SC-A-10-11-190929 13.89	11-Apr-20	06:18:08
14	200410R2_14	SOLVENT BLANK	11-Apr-20	07:14:51

Dataset: Untitled

Last Altered: Monday, April 13, 2020 07:26:43 Pacific Daylight Time

Printed: Monday, April 13, 2020 07:27:04 Pacific Daylight Time

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

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	21.36
2	1,2,8,9-TCDD (Last)	26.86
3	1,2,4,7,9-PeCDD (First)	28.82
4	1,2,3,8,9-PeCDD (Last)	31.57
5	1,2,4,6,7,9-HxCDD (First)	33.12
6	1,2,3,7,8,9-HxCDD (Last)	34.96
7	1,2,3,4,6,7,9-HpCDD (First)	37.38
8	1,2,3,4,6,7,8-HpCDD (Last)	38.39
9	1,3,6,8-TCDF (First)	19.37
10	1,2,8,9-TCDF (Last)	27.01
11	1,3,4,6,8-PeCDF (First)	26.98
12	1,2,3,8,9-PeCDF (Last)	31.81
13	1,2,3,4,6,8-HxCDF (First)	32.55
14	1,2,3,7,8,9-HxCDF (Last)	35.30
15	1,2,3,4,6,7,8-HpCDF (First)	37.00
16	1,2,3,4,7,8,9-HpCDF (Last)	39.05

Dataset: Untitled

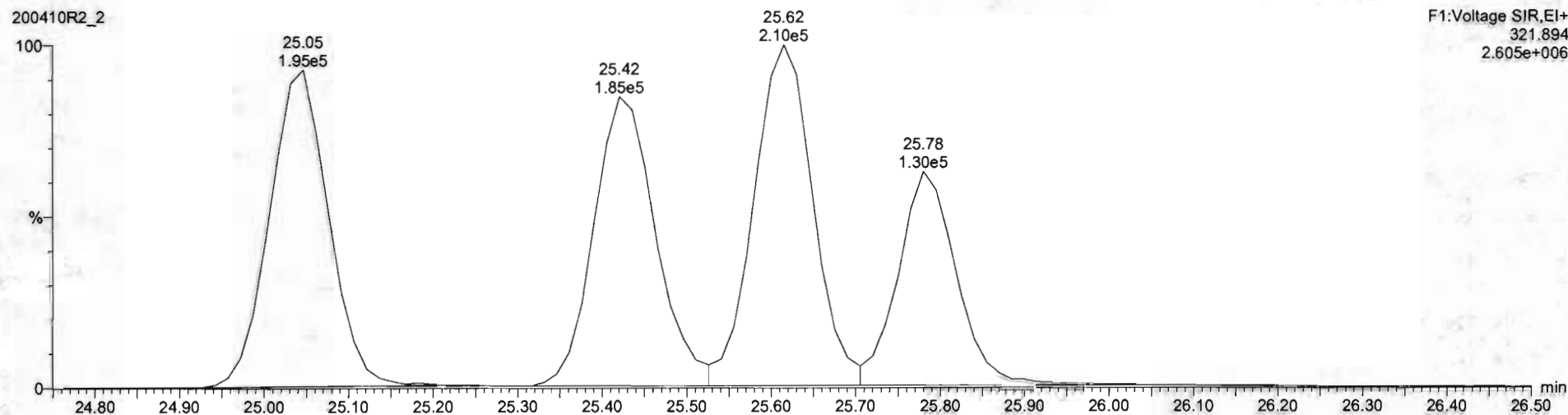
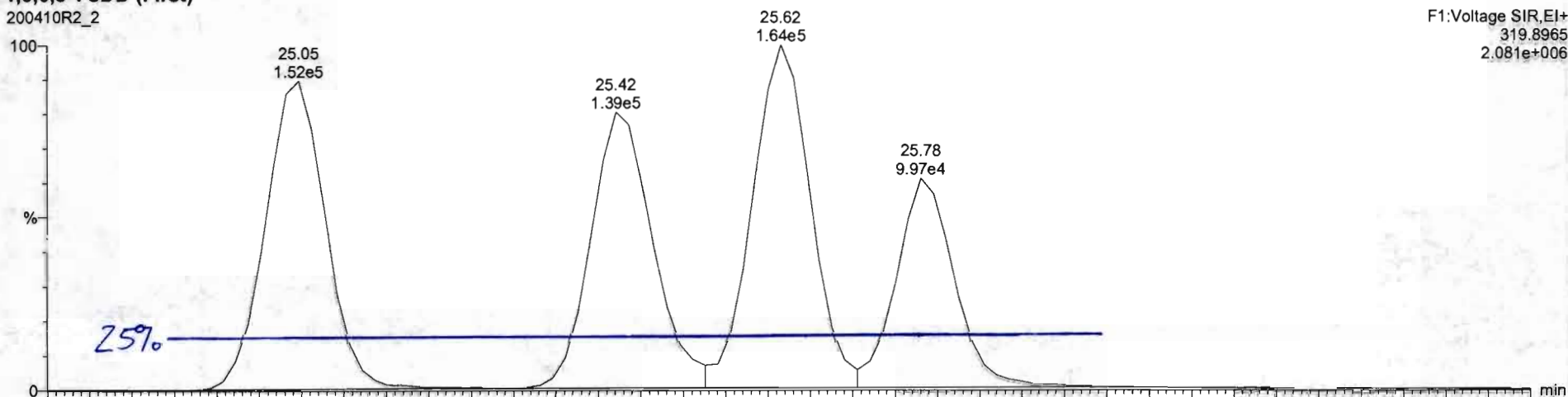
Last Altered: Monday, April 13, 2020 07:26:43 Pacific Daylight Time
Printed: Monday, April 13, 2020 07:27:04 Pacific Daylight Time

GRB 04/13/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)
200410R2_2



Dataset: Untitled

Last Altered: Monday, April 13, 2020 07:26:26 Pacific Daylight Time

Printed: Monday, April 13, 2020 07:26:35 Pacific Daylight Time

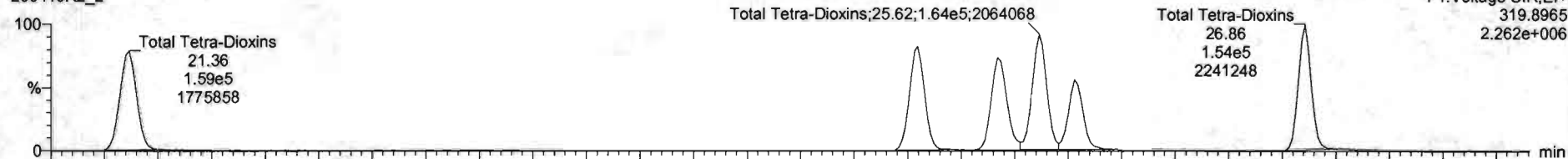
Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

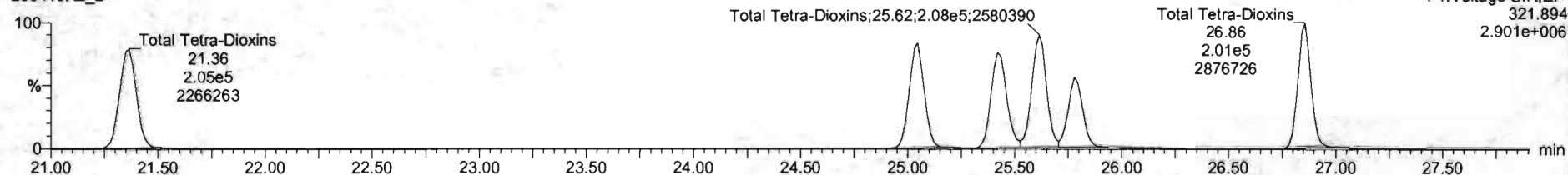
Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD

200410R2_2

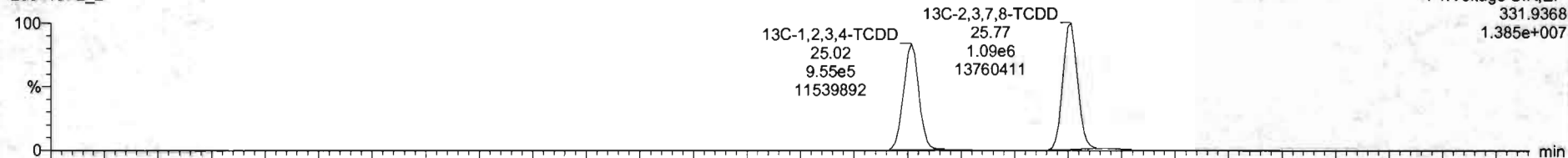


200410R2_2

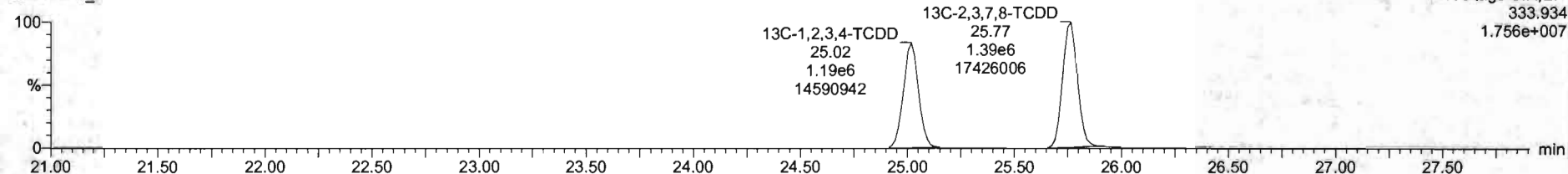


13C-2,3,7,8-TCDD

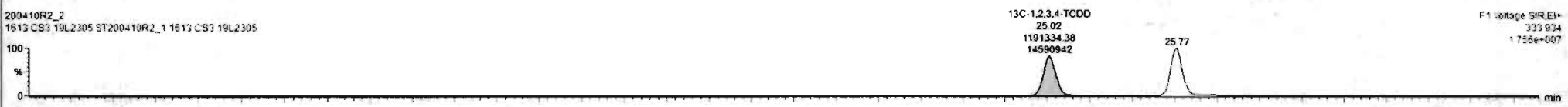
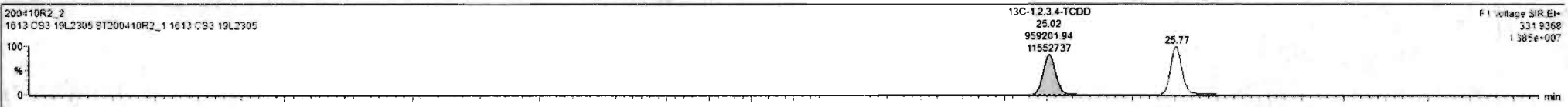
200410R2_2



200410R2_2



#	Name	Reap	S Resp	Pred RA	RA	nly	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc	%Rec	STD out
18	13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.86e6	2.15e6	0.63	0.62	NO	0.8844	30.92	31.18	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.26	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO
22	13C-1,2,3,7,8,9-HxCDD	1.54e6	1.78e6	1.24	1.22	NO	0.8294	34.96	34.95	NO	1.025	1.025	104	104	NO
23	13C-1,2,3,4,6,7,8-HpCDD	1.20e6	1.78e6	1.04	1.05	NO	0.5962	36.43	38.38	NO	1.127	1.125	113	113	NO
24	13C-OCDD	2.28e6	1.78e6	0.89	0.89	NO	0.5712	41.59	41.48	NO	1.219	1.216	225	113	NO
25	13C-2,3,7,8-TCDF	3.25e6	3.01e6	0.77	0.77	NO	1.0893	24.76	24.73	NO	0.990	0.989	98.9	98.9	NO
26	13C-1,2,3,7,8-PeCDF	2.71e6	3.01e6	1.55	1.57	NO	0.8763	29.59	29.78	NO	1.183	1.190	103	103	NO
27	13C-2,3,4,7,8-PeCDF	2.55e6	3.01e6	1.55	1.57	NO	0.8436	30.60	30.82	NO	1.223	1.232	100	100	NO
28	13C-1,2,3,4,7,8-HxCDF	1.71e6	1.78e6	0.51	0.51	NO	1.0003	33.73	33.73	NO	0.989	0.989	96.4	96.4	NO
29	13C-1,2,3,6,7,8-HxCDF	2.04e6	1.78e6	0.51	0.51	NO	1.1178	33.84	33.86	NO	0.982	0.983	103	103	NO
30	13C-2,3,4,6,7,8-HxCDF	1.79e6	1.78e6	0.51	0.51	NO	1.0353	34.42	34.42	NO	1.009	1.009	97.2	97.2	NO
31	13C-1,2,3,7,8,9-HxCDF	1.50e6	1.78e6	0.51	0.51	NO	0.8731	35.30	35.29	NO	1.035	1.035	96.5	96.5	NO
32	13C-1,2,3,4,6,7,8-HpCDF	1.36e6	1.78e6	0.44	0.44	NO	0.7708	37.02	36.99	NO	1.085	1.084	99.6	99.6	NO
33	13C-1,2,3,4,7,8,9-HxCDF	9.11e5	1.78e6	0.44	0.43	NO	0.5193	39.12	39.04	NO	1.147	1.145	96.8	98.8	NO
34	13C-OCDF	2.58e6	1.78e6	0.89	0.87	NO	0.6962	41.77	41.65	NO	1.225	1.221	208	104	NO
35	37C-2,3,7,8-TCDD	2.35e5	2.15e6			NO	1.1745	25.74	25.78	NO	1.029	1.031	9.29	92.9	NO
36	13C-1,2,3,4-TCDD	2.15e6	2.15e6	0.77	0.81	NO	1.0000	25.05	25.02	NO	1.000	1.000	100	100	NO
37	13C-1,2,3,4-TCDF	3.01e6	3.01e6	0.77	0.78	NO	1.0000	23.19	23.03	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.76e6	1.78e6	0.51	0.51	NO	1.0000	34.04	34.11	NO	1.000	1.000	100	100	YES



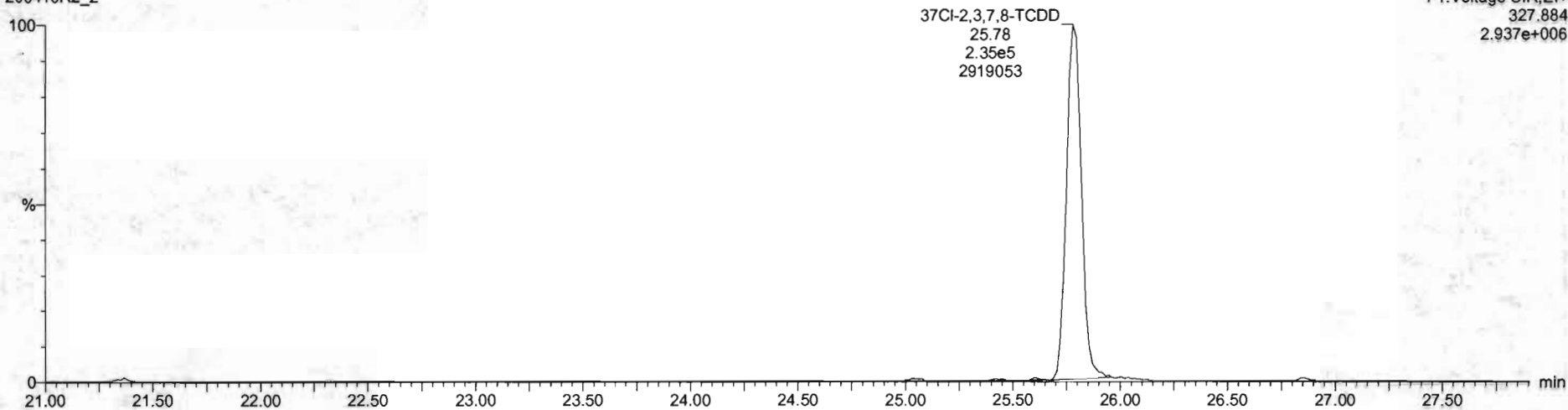
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Printed: Monday, April 13, 2020 07:26:35 Pacific Daylight Time

Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

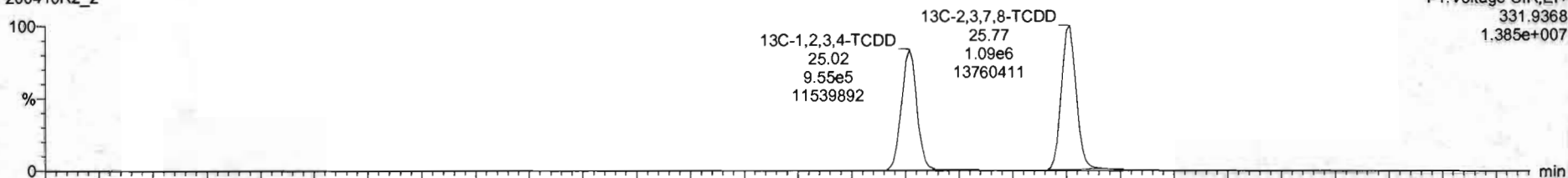
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200410R2_2

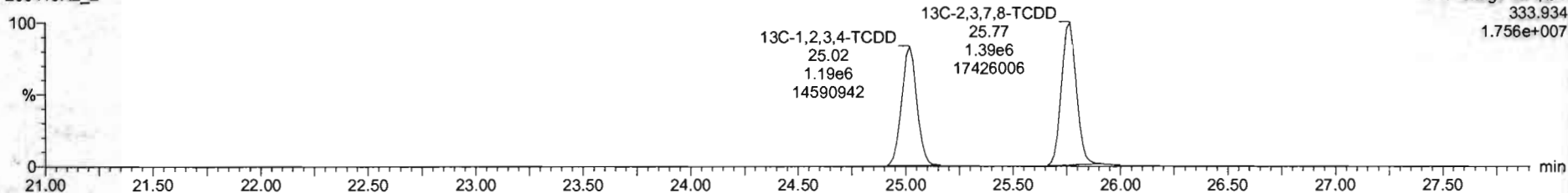


13C-1,2,3,4-TCDD

200410R2_2



200410R2_2



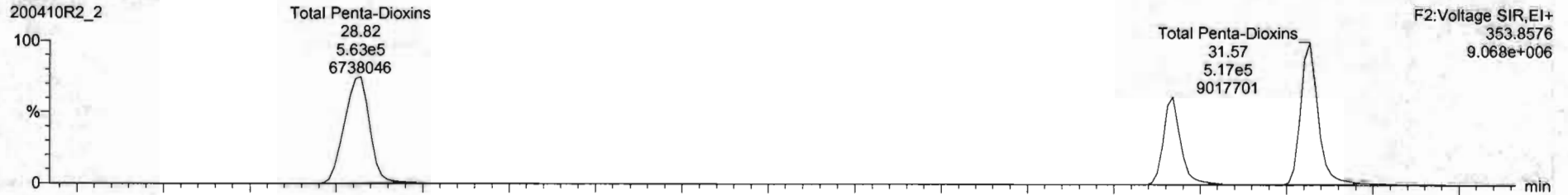
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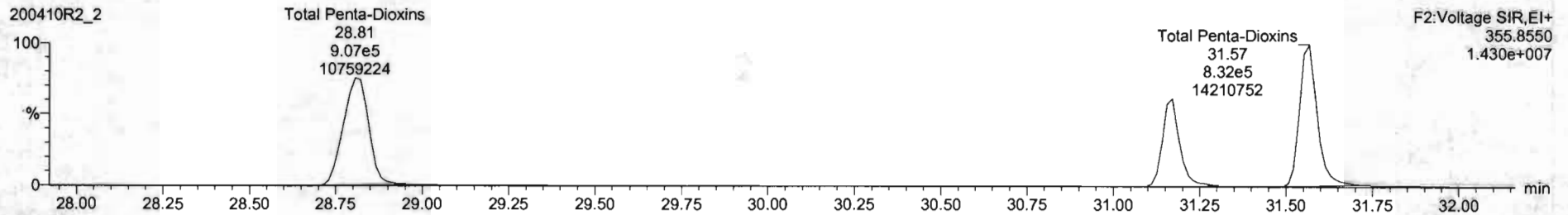
Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200410R2_2

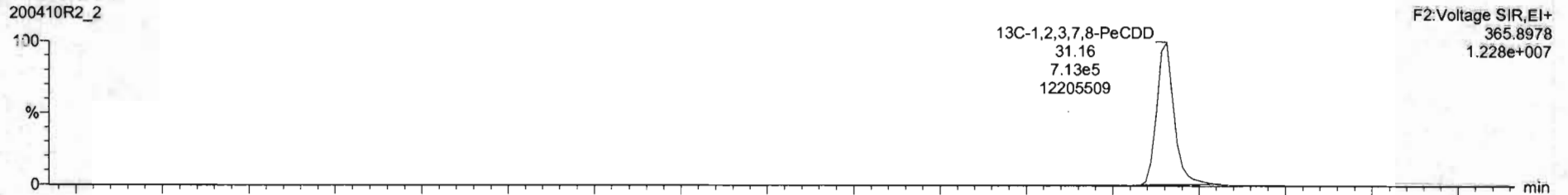


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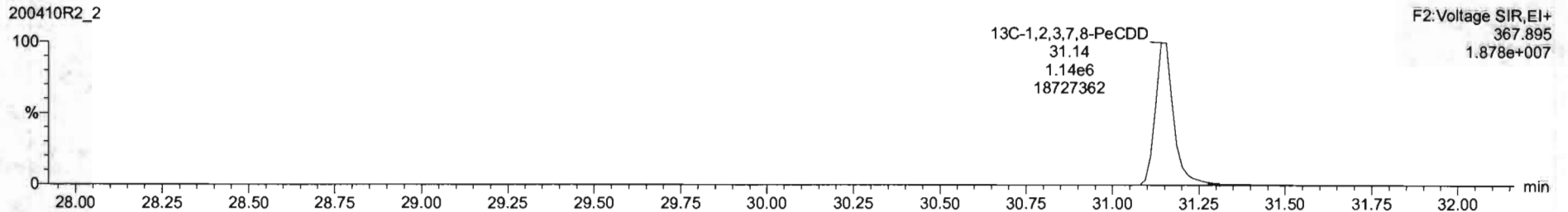


13C-1,2,3,7,8-PeCDD

200410R2_2



200410R2_2



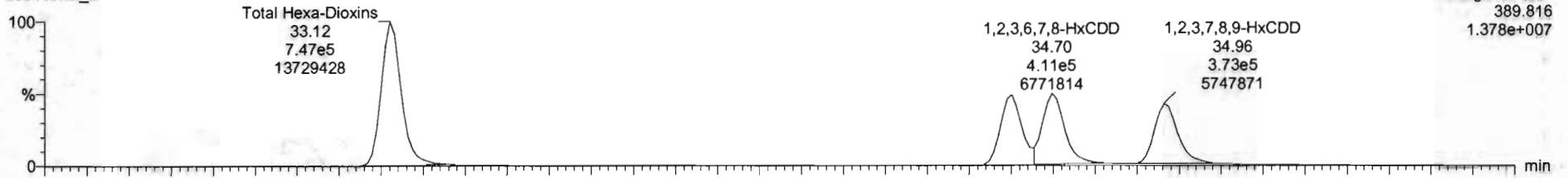
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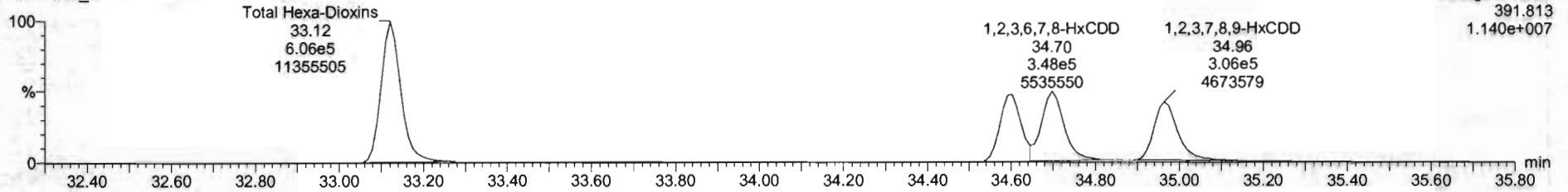
1,2,3,4,7,8-HxCDD

200410R2_2



F3:Voltage SIR,EI+
389.816
1.378e+007

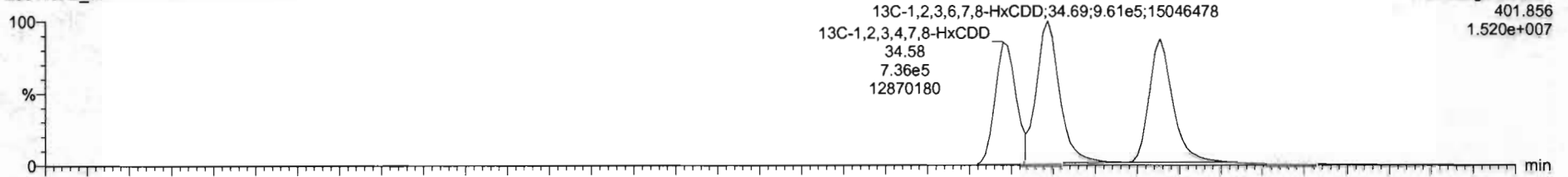
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1.140e+007

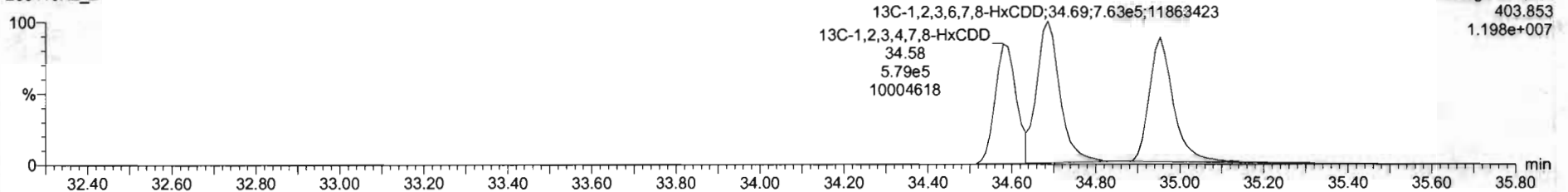
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200410R2_2

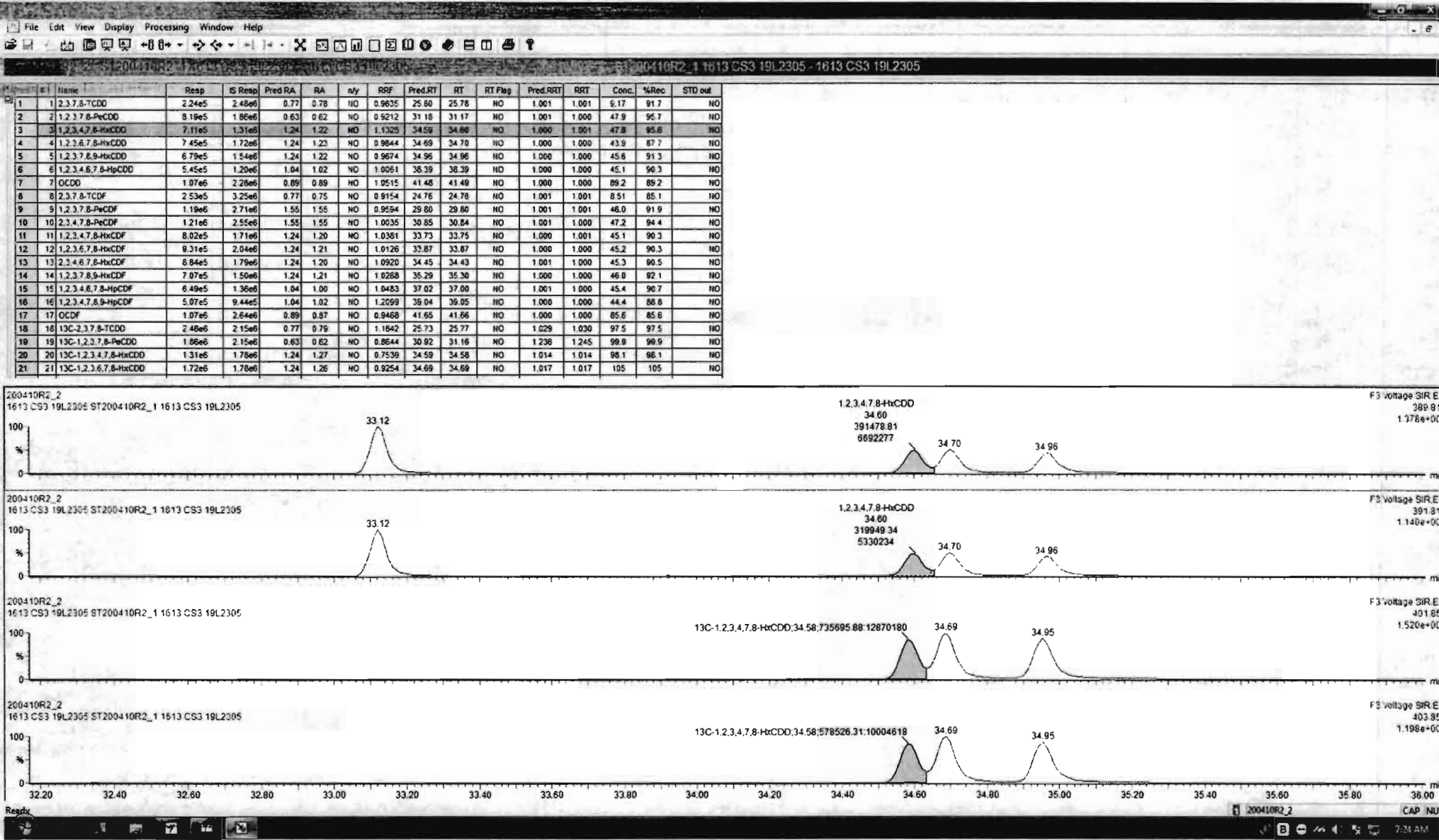


F3:Voltage SIR,EI+
401.856
1.520e+007

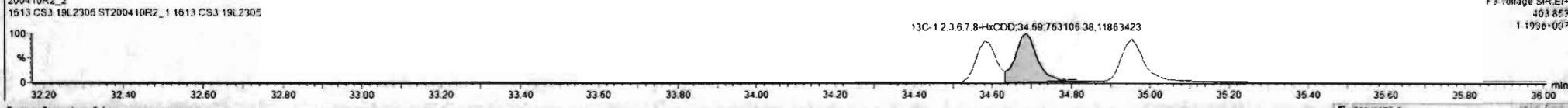
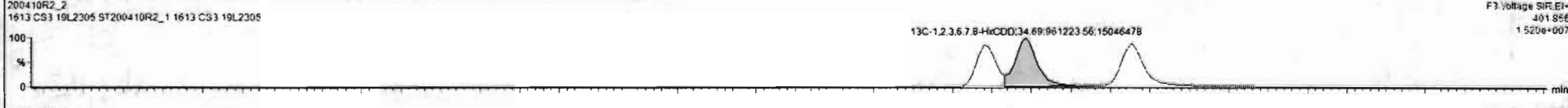
200410R2_2



F3:Voltage SIR,EI+
403.853
1.198e+007



#	Name	Resp	S Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9835	25.80	25.75	NO	1.001	1.001	9.17	91.7	NO
2	1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.63	0.62	NO	0.9212	31.12	31.17	NO	1.001	1.000	47.9	96.7	NO
3	1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.69	34.70	NO	1.000	1.000	43.9	87.7	NO
5	1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	36.39	36.39	NO	1.000	1.000	45.1	90.3	NO
7	OCDD	1.07e6	2.22e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.76	NO	1.001	1.001	8.51	85.1	NO
9	1,2,3,7,8-PeCDF	1.15e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	46.0	91.9	NO
10	2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	1,2,3,4,7,8-HxCDF	8.02e5	1.71e6	1.24	1.20	NO	1.0381	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	1,2,3,4,6,7,8-HpCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0463	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	1,2,3,4,7,8,9-HpCDF	5.07e5	9.44e5	1.04	1.02	NO	1.2095	39.04	39.05	NO	1.000	1.000	44.4	88.8	NO
17	OCDF	1.07e6	2.64e6	0.89	0.87	NO	0.9468	41.65	41.66	NO	1.000	1.000	85.6	85.6	NO
18	13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.86e6	2.15e6	0.63	0.62	NO	0.9644	30.92	31.16	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.70e6	1.24	1.26	NO	0.9254	34.69	34.89	NO	1.017	1.017	105	105	NO



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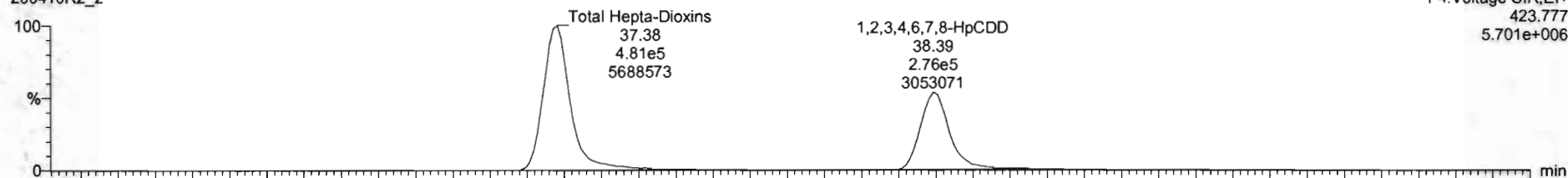
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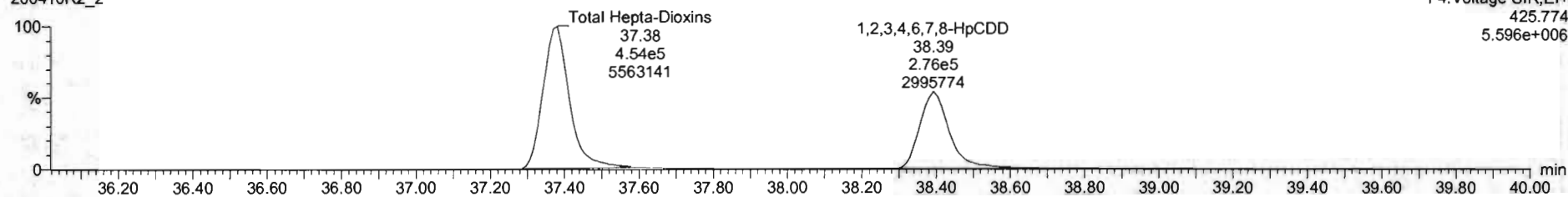
Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200410R2_2

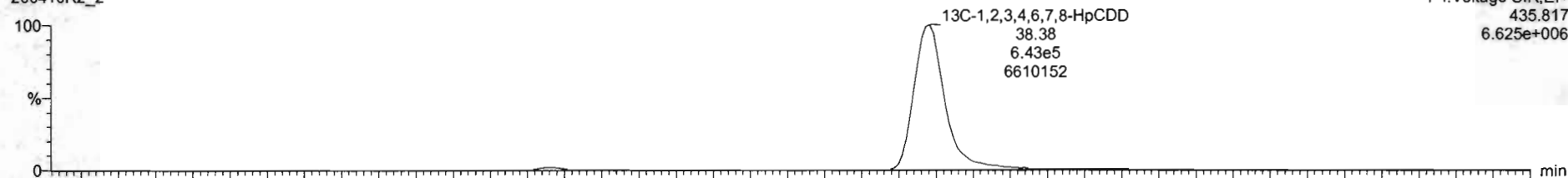


200410R2_2

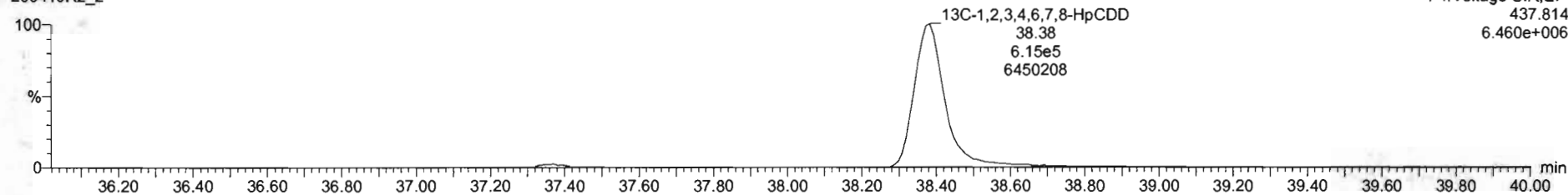


13C-1,2,3,4,6,7,8-HpCDD

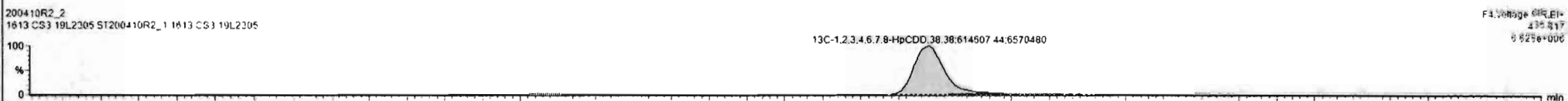
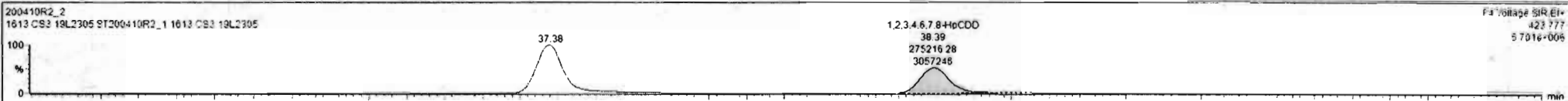
200410R2_2



200410R2_2



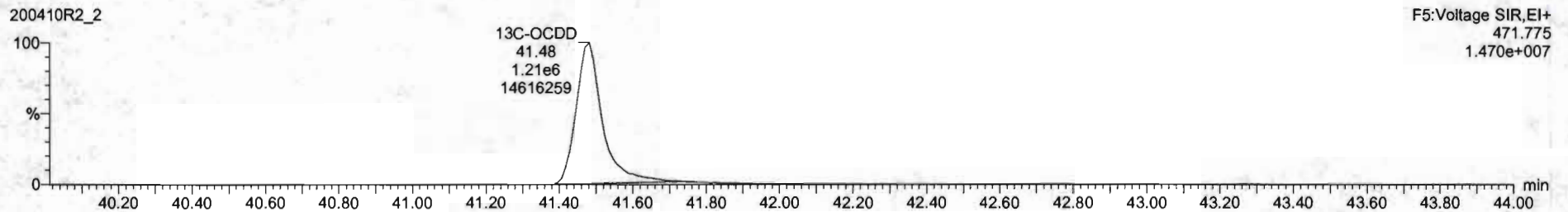
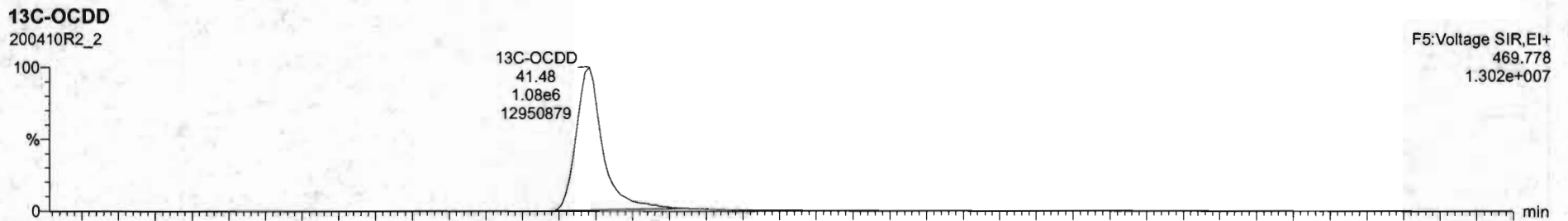
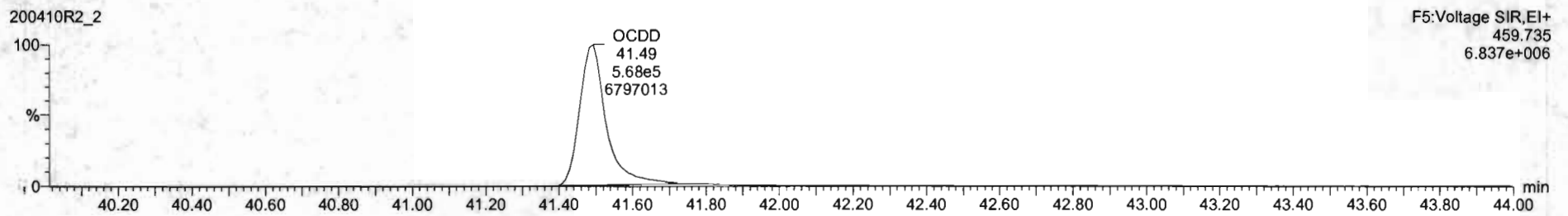
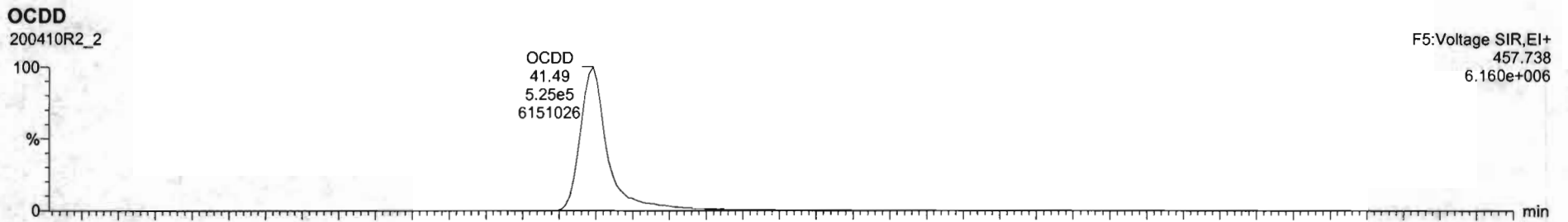
#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Cnc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9835	25.80	25.78	NO	1.001	1.001	9.17	91.7	NO
2	1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.82	0.82	NO	0.9212	31.18	31.17	NO	1.001	1.000	47.9	96.7	NO
3	1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.69	34.70	NO	1.000	1.000	42.9	87.7	NO
5	1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	1,2,3,4,6,7,8-HpCDD	5.45e5	1.29e6	1.04	1.02	NO	1.0961	38.39	38.39	NO	1.000	1.000	45.1	90.3	NO
7	OCDD	1.07e6	2.28e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.78	24.78	NO	1.001	1.001	6.51	85.1	NO
9	1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	46.0	91.9	NO
10	1,2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0935	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	1,2,3,4,7,8-HxCDF	6.02e5	1.71e6	1.24	1.20	NO	1.0381	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	1,2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	1,2,3,4,7,8,9-HpCDF	5.07e5	9.44e5	1.04	1.02	NO	1.2099	39.04	39.05	NO	1.000	1.000	44.4	88.8	NO
17	OCDF	1.07e6	2.64e6	0.89	0.87	NO	0.9468	41.85	41.66	NO	1.000	1.000	85.8	85.6	NO
18	13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.05e6	2.15e6	0.63	0.62	NO	0.8644	30.82	31.16	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.28	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO



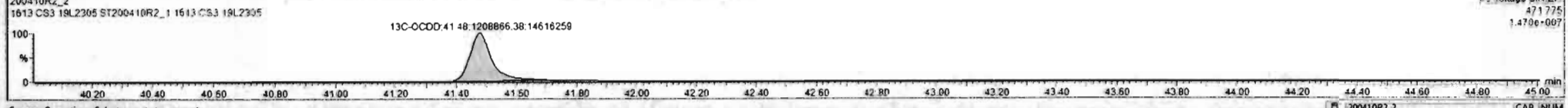
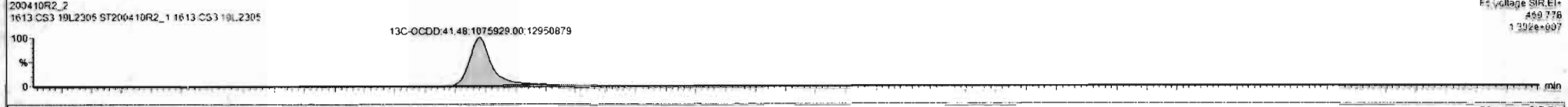
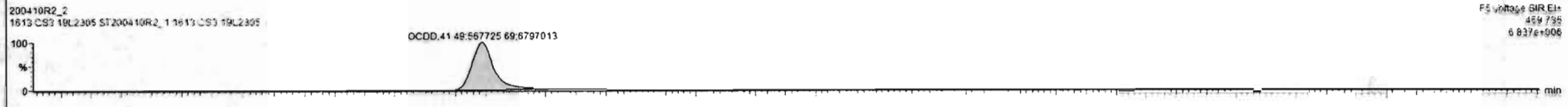
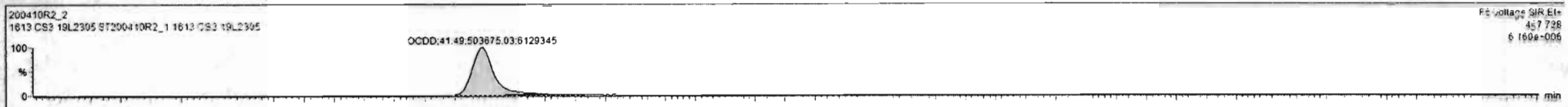
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Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9635	25.80	25.78	NO	1.001	1.001	9.17	91.7	NO
2	1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.83	0.82	NO	0.9212	31.1E	31.17	NO	1.001	1.000	47.9	95.7	NO
3	1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.89	34.70	NO	1.000	1.000	43.9	87.7	NO
5	1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	36.39	36.39	NO	1.000	1.000	45.1	90.3	NO
7	OCDD	1.07e6	2.23e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.76	NO	1.001	1.001	8.51	85.1	NO
9	1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	46.0	91.9	NO
10	2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	1,2,3,4,7,8-HxCDF	8.02e5	1.71e6	1.24	1.20	NO	1.0381	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	1,2,3,6,7,8-HxCDF	9.21e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	1,2,3,4,7,8,9-HpCDF	5.07e5	9.44e5	1.04	1.02	NO	1.2099	39.04	39.05	NO	1.000	1.000	44.4	88.8	NO
17	OCDF	1.07e6	2.84e6	0.89	0.87	NO	0.9468	41.85	41.85	NO	1.000	1.000	85.6	85.6	NO
18	13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.06e6	2.15e6	0.63	0.62	NO	0.8644	30.92	31.16	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	96.1	96.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.26	NO	0.9254	34.89	34.89	NO	1.017	1.017	105	105	NO

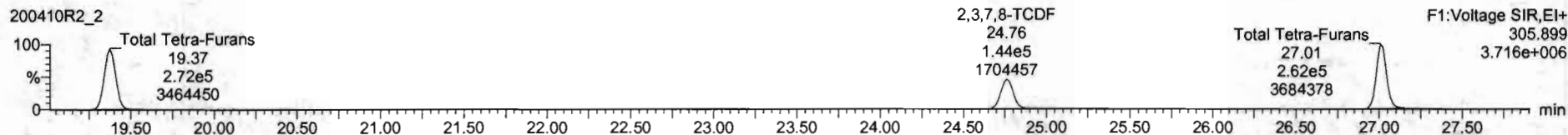


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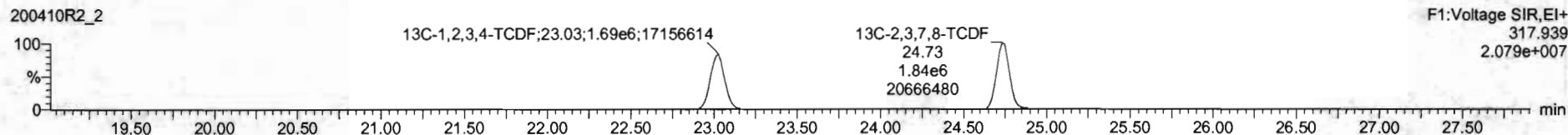
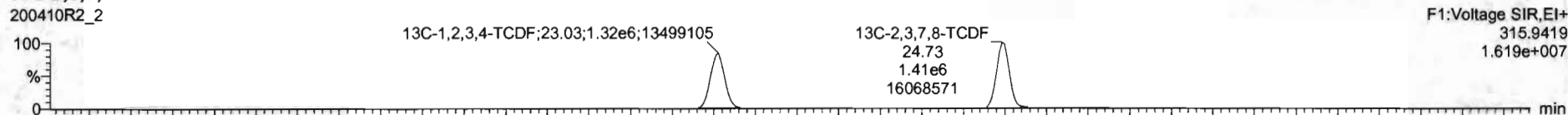
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Printed: Monday, April 13, 2020 07:26:35 Pacific Daylight Time

Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

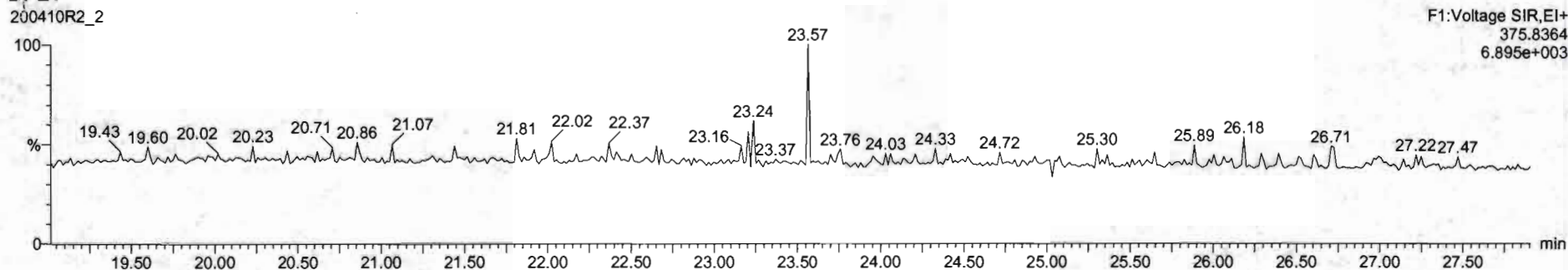
2,3,7,8-TCDF



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



DPE1



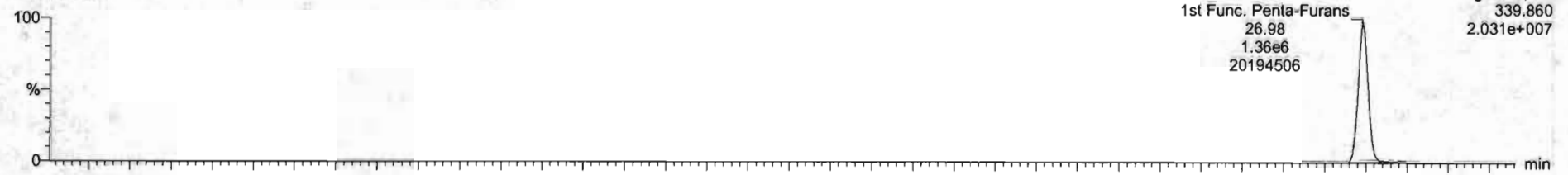
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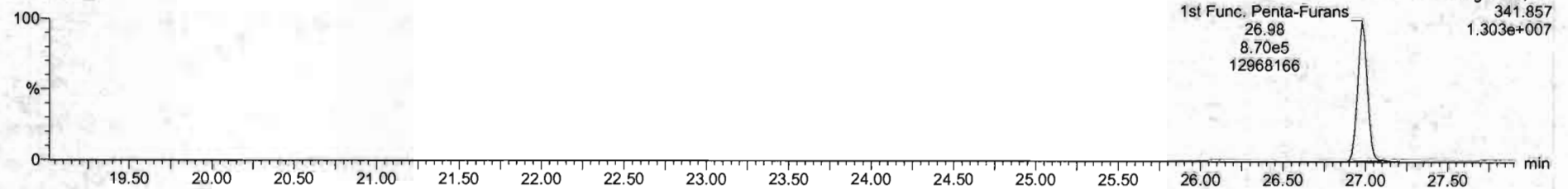
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1st Func. Penta-Furans

200410R2_2

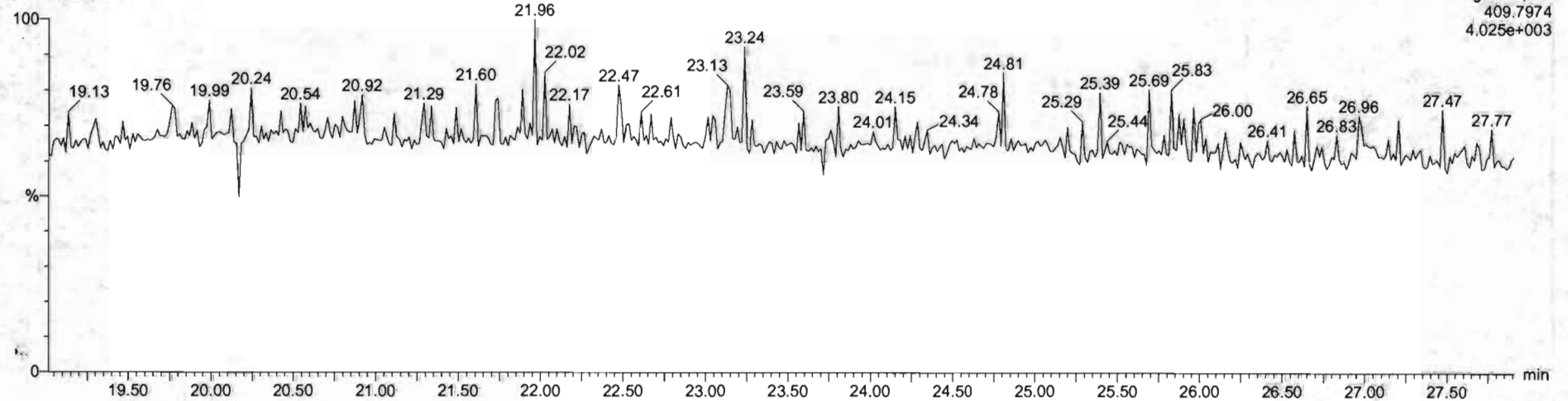


200410R2_2



DPE6

200410R2_2



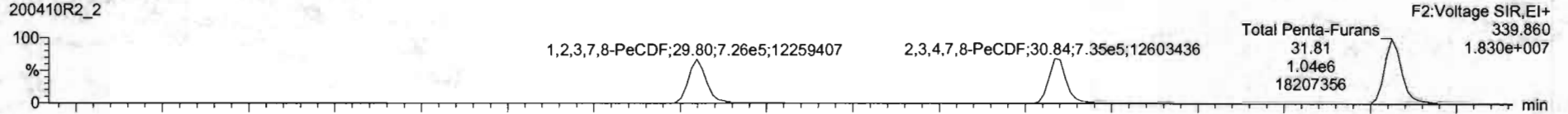
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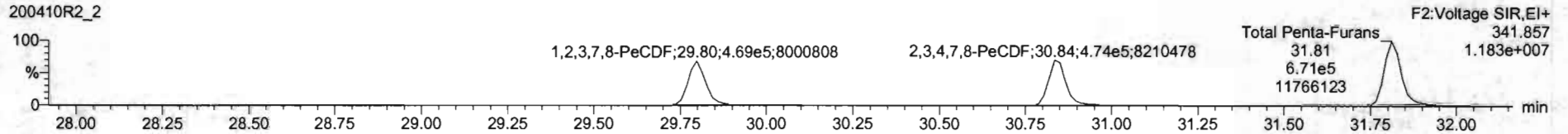
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1,2,3,7,8-PeCDF

200410R2_2



200410R2_2

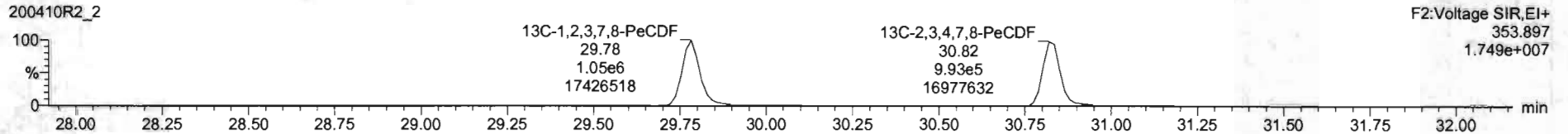


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200410R2_2

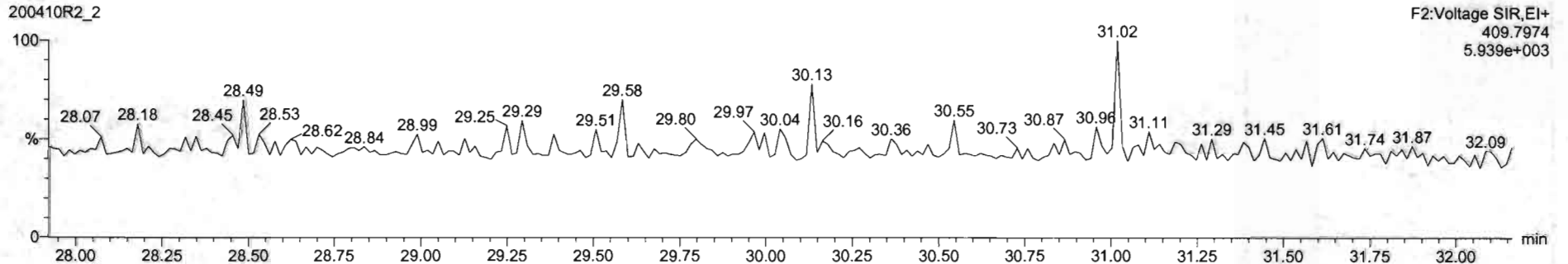


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DPE2

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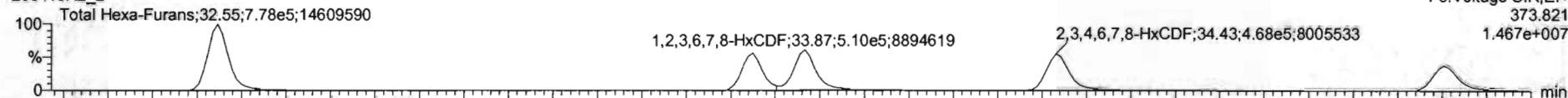
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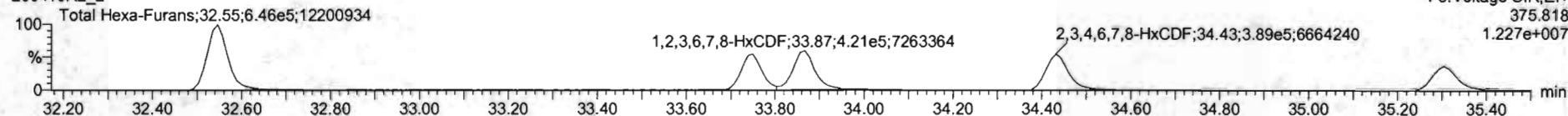
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1,2,3,4,7,8-HxCDF

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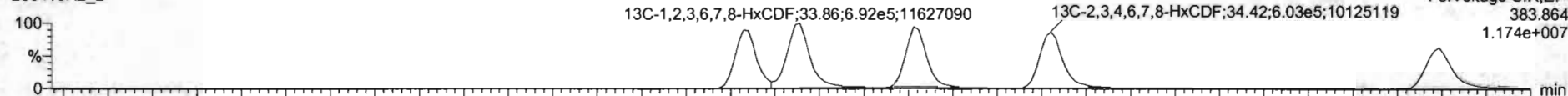


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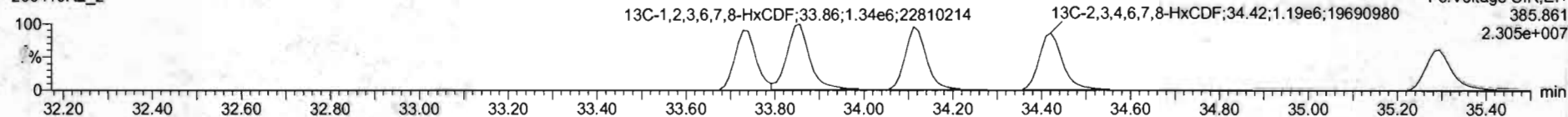


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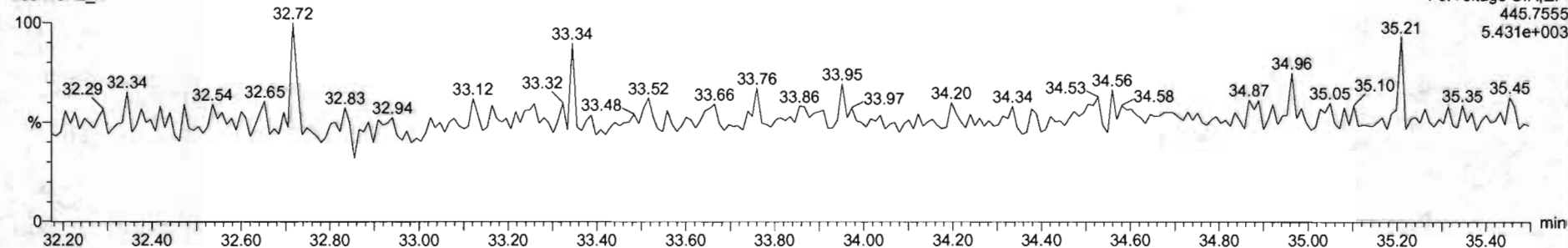


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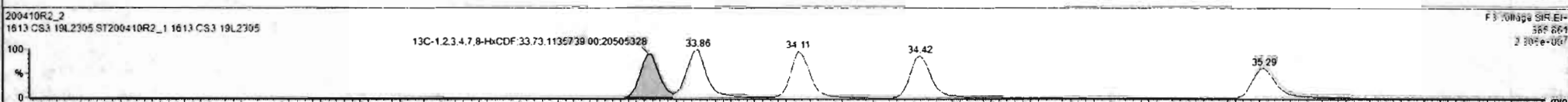
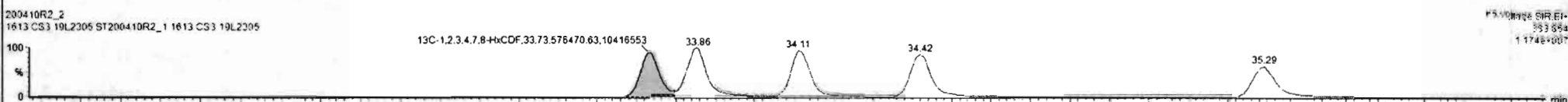


DPE3

200410R2_2



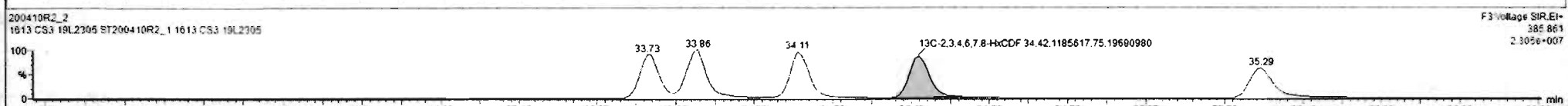
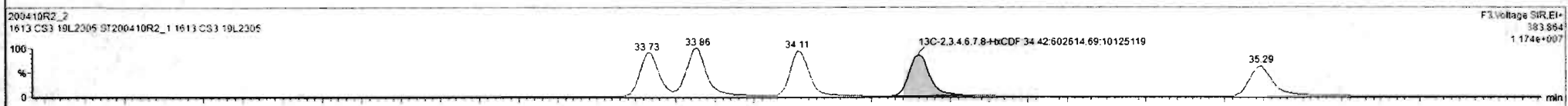
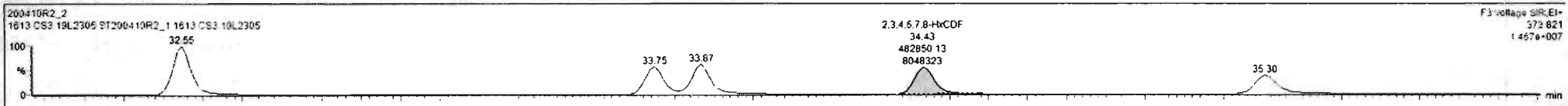
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1	1 2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9835	25.80	25.78	NO	1.001	1.001	9.17	91.7	NO
2	2 1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.63	0.62	NO	0.9212	31.12	31.17	NO	1.001	1.000	47.9	95.7	NO
3	3 1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	4 1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.69	34.70	NO	1.000	1.000	43.9	87.7	NO
5	5 1,2,3,7,8-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	6 1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	36.39	36.39	NO	1.000	1.000	45.1	90.3	NO
7	7 OCDD	1.07e6	2.28e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	8 2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.76	NO	1.001	1.001	8.51	85.1	NO
9	9 1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	26.80	NO	1.001	1.001	46.0	91.9	NO
10	10 2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	11 1,2,3,4,7,8-HxCDF	8.02e5	1.71e6	1.24	1.20	NO	1.0381	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	12 1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	13 2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	14 1,2,3,7,8-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	15 1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	16 1,2,3,4,7,8,9-HpCDF	5.07e5	9.44e5	1.04	1.02	NO	1.2096	39.04	39.05	NO	1.000	1.000	44.4	88.8	NO
17	17 OCDF	1.07e6	2.84e6	0.89	0.87	NO	0.9468	41.65	41.66	NO	1.000	1.000	85.6	85.6	NO
18	18 13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	19 13C-1,2,3,7,8-PeCDD	1.86e6	2.15e6	0.63	0.62	NO	0.8644	30.92	31.16	NO	1.236	1.245	99.9	99.9	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.26	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO



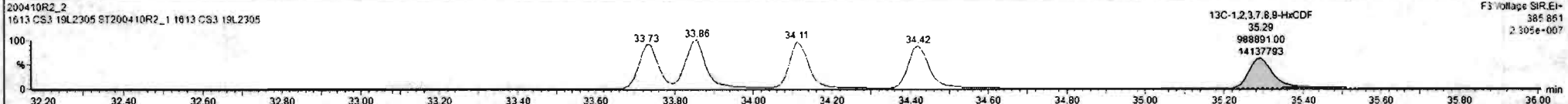
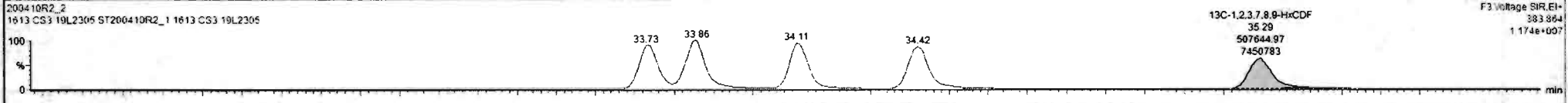
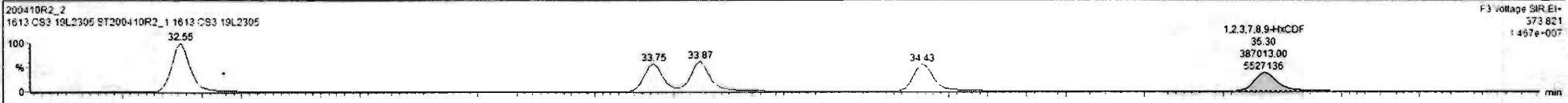
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AP NUM

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9835	25.89	25.78	NO	1.001	1.001	9.17	91.7	NO
2	1,2,3,7,8-PeCDD	8.19e5	1.26e6	0.63	0.62	NO	0.9212	31.12	31.17	NO	1.001	1.000	47.9	95.7	NO
3	1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.69	NO	1.000	1.001	47.8	95.6	NO
4	1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.69	34.76	NO	1.000	1.000	43.9	87.7	NO
5	1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	36.39	36.39	NO	1.000	1.000	45.1	90.3	NO
7	OCDD	1.07e6	2.22e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.78	NO	1.001	1.001	8.51	85.1	NO
9	1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	46.0	91.9	NO
10	2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	1,2,3,4,7,8-HxCDF	8.02e5	1.71e6	1.24	1.20	NO	1.0381	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	1,2,3,4,7,8,9-HpCDF	5.07e5	9.44e5	1.04	1.02	NO	1.2099	39.04	39.05	NO	1.000	1.000	44.4	88.8	NO
17	OCDF	1.07e6	2.64e6	0.89	0.87	NO	0.9468	41.65	41.66	NO	1.000	1.000	85.6	85.6	NO
18	13C-2,3,7,8-TCDD	2.46e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.65e6	2.15e6	0.63	0.62	NO	0.8644	30.92	31.16	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.26	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9835	25.80	25.78	NO	1.001	1.001	9.17	91.7	NO
2	1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.63	0.62	NO	0.9212	31.12	31.17	NO	1.001	1.000	47.9	95.7	NO
3	1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.69	34.70	NO	1.000	1.000	43.9	87.7	NO
5	1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	36.39	36.38	NO	1.000	1.000	45.1	90.3	NO
7	OCDD	1.07e6	2.22e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.76	NO	1.001	1.001	8.51	85.1	NO
9	1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	46.0	91.9	NO
10	1,2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	1,2,3,4,7,8-HxCDF	8.02e5	1.71e6	1.24	1.20	NO	1.0361	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	1,2,3,4,7,8,9-HpCDF	5.07e5	9.44e5	1.04	1.02	NO	1.2099	39.04	39.05	NO	1.000	1.000	44.4	88.8	NO
17	OCDF	1.07e6	2.64e6	0.89	0.87	NO	0.9468	41.65	41.66	NO	1.000	1.000	85.6	85.6	NO
18	13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1642	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.06e6	2.15e6	0.63	0.62	NO	0.9644	30.92	31.16	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.26	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO



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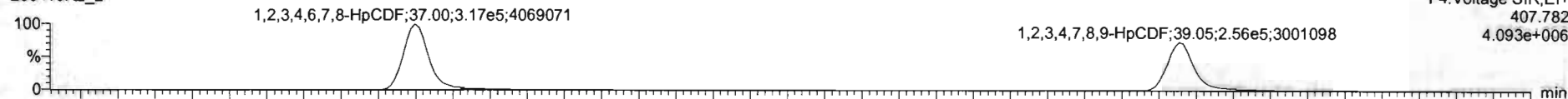
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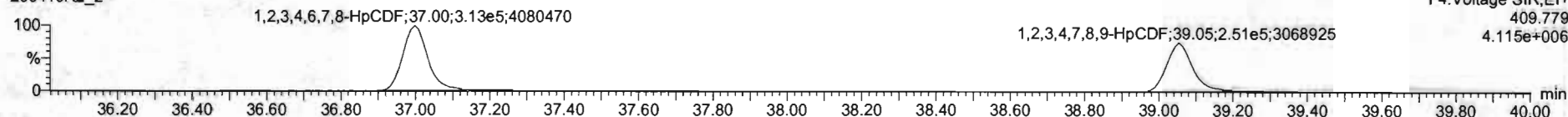
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1,2,3,4,6,7,8-HpCDF

200410R2_2

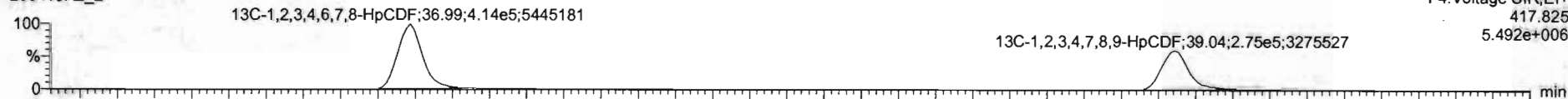


200410R2_2

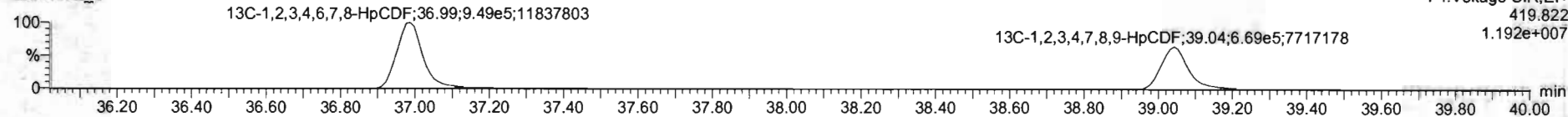


13C-1,2,3,4,6,7,8-HpCDF

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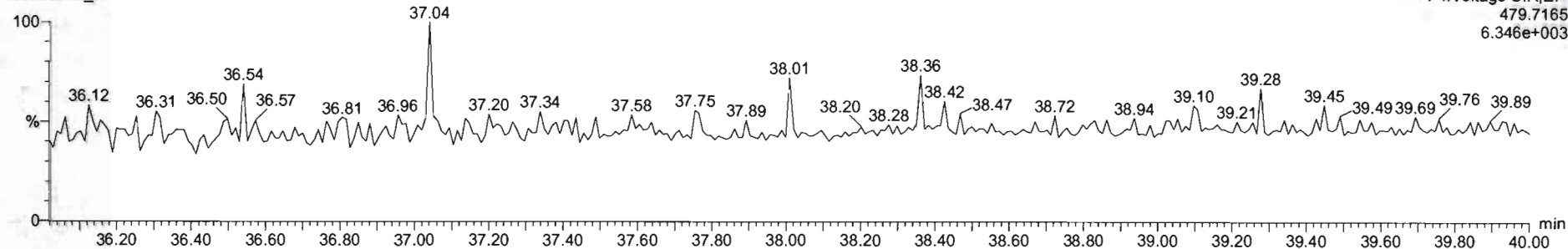


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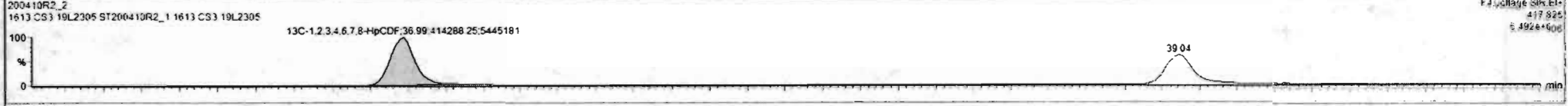
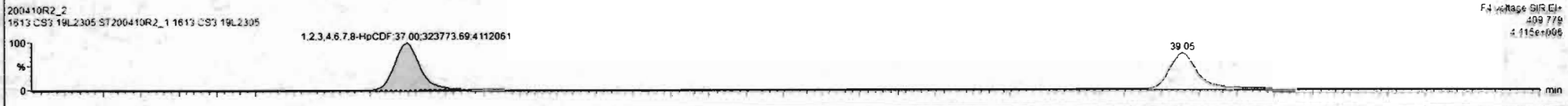


DPE4

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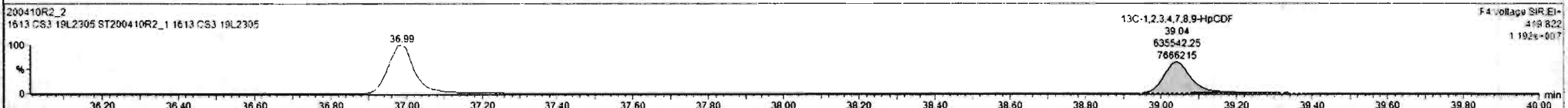
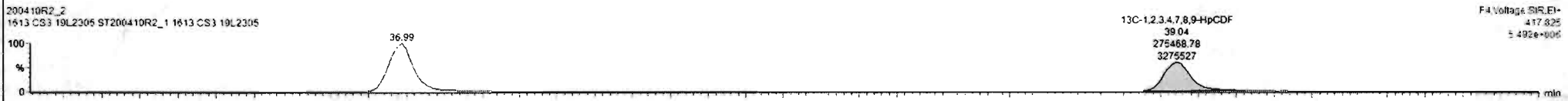
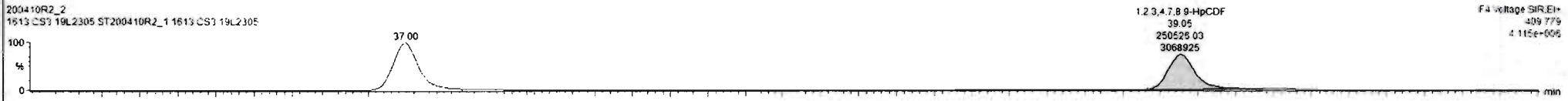
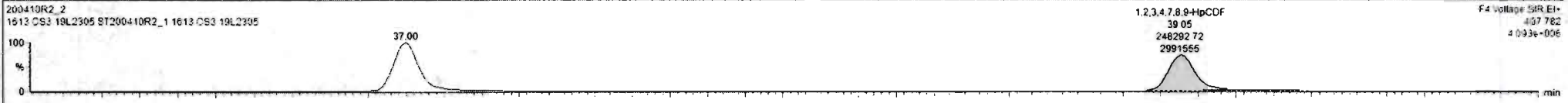


#	Name	Resp	S Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9835	25.50	25.78	NO	1.001	1.001	9.17	91.7	NO
2	1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.63	0.62	NO	0.9212	31.12	31.17	NO	1.001	1.000	47.9	95.7	NO
3	1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.69	34.70	NO	1.000	1.000	43.9	87.7	NO
5	1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	36.39	36.38	NO	1.000	1.000	45.1	90.3	NO
7	OCDD	1.07e6	2.28e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.78	NO	1.001	1.001	8.51	85.1	NO
9	1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	46.0	91.9	NO
10	1,2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	1,2,3,4,7,8-HxCDF	8.02e5	1.71e6	1.24	1.26	NO	1.0381	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	1,2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	1,2,3,4,7,8,9-HpCDF	5.07e5	9.44e5	1.04	1.02	NO	1.2096	39.04	39.05	NO	1.000	1.000	44.4	88.8	NO
17	OCDF	1.07e6	2.64e6	0.89	0.87	NO	0.9468	41.65	41.65	NO	1.000	1.000	85.6	85.6	NO
18	13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.86e6	2.15e6	0.63	0.62	NO	0.8644	30.52	31.16	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.26	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO



Custom Reporting: Select reports to generate

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	2.24e5	2.48e6	0.77	0.78	NO	0.9835	25.80	25.78	NO	1.001	1.001	9.17	91.7	NO
2	2 1,2,3,7,8-PeCDD	5.19e5	1.86e6	0.63	0.62	NO	0.9212	31.12	31.17	NO	1.001	1.000	47.9	95.7	NO
3	3 1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	4 1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.69	34.70	NO	1.000	1.000	43.9	87.7	NO
5	5 1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9874	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	6 1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	36.39	36.39	NO	1.000	1.000	45.1	90.3	NO
7	7 OCDD	1.07e6	2.22e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	8 2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.76	NO	1.001	1.001	8.51	85.1	NO
9	9 1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	46.0	91.9	NO
10	10 2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	11 1,2,3,4,7,8-HxCDF	6.02e5	1.71e6	1.24	1.20	NO	1.0381	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	12 1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	13 2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	14 1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0262	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	15 1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	16 1,2,3,4,7,8,9-HpCDF	4.99e5	9.11e5	1.04	0.99	NO	1.2999	39.04	39.05	NO	1.000	1.000	45.3	90.5	NO
17	17 OCDF	1.07e6	2.64e6	0.89	0.87	NO	0.9462	41.65	41.66	NO	1.000	1.000	85.6	85.6	NO
18	18 13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	19 13C-1,2,3,7,8-PeCDD	1.86e6	2.15e6	0.63	0.62	NO	0.8644	36.92	31.16	NO	1.236	1.245	99.9	99.9	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.28	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO

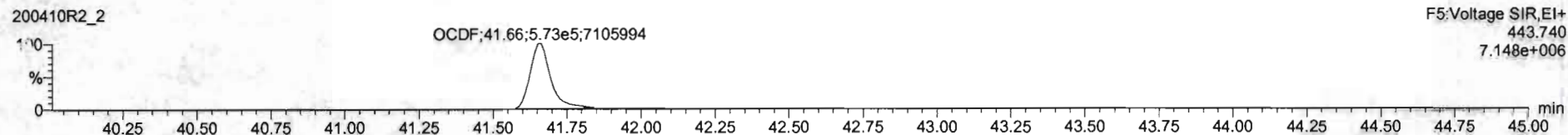
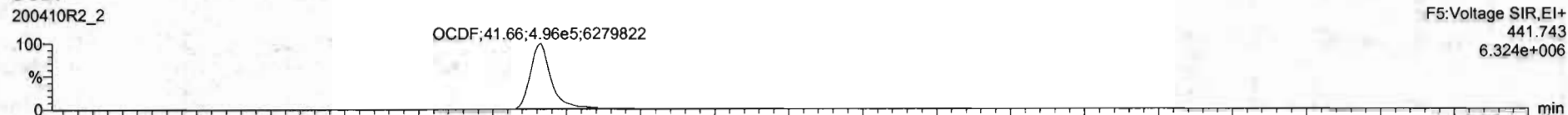


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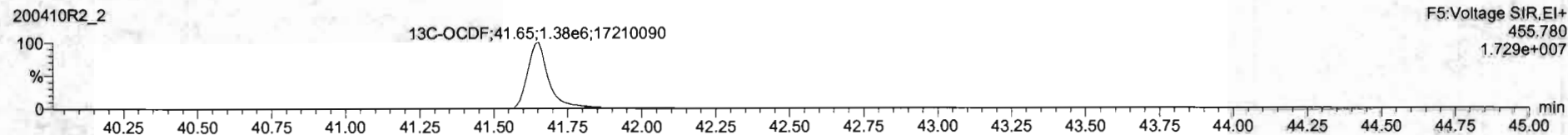
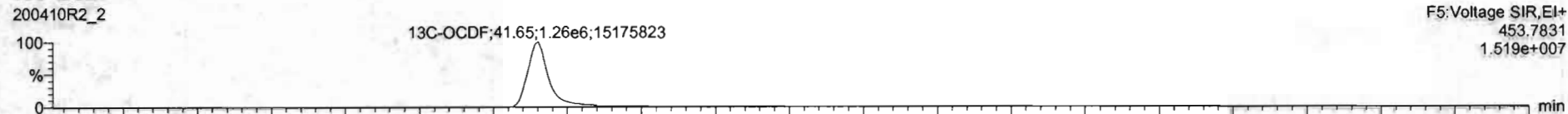
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Printed: Monday, April 13, 2020 07:26:35 Pacific Daylight Time

Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

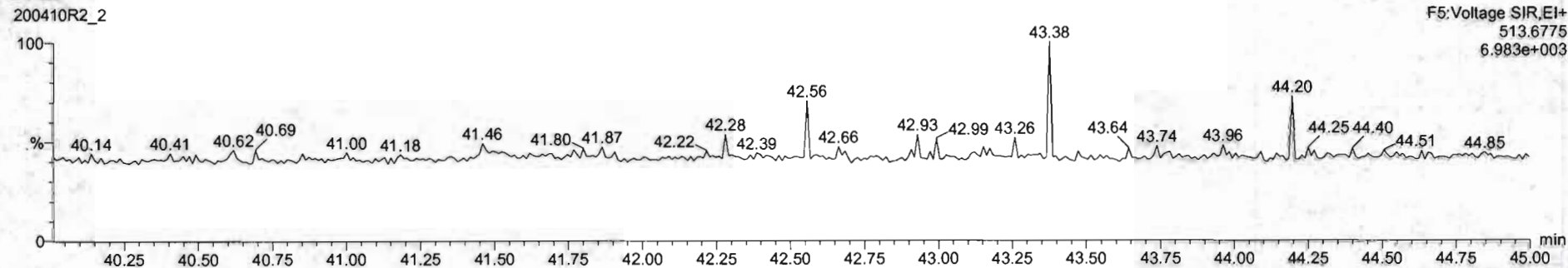
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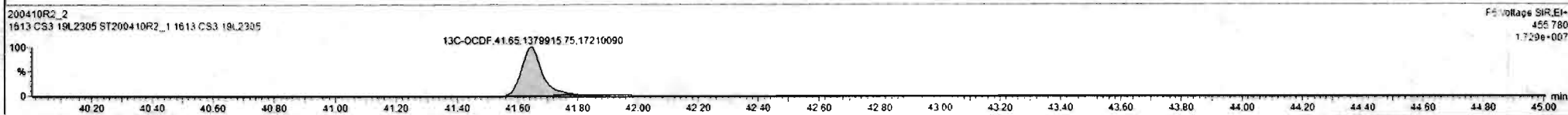
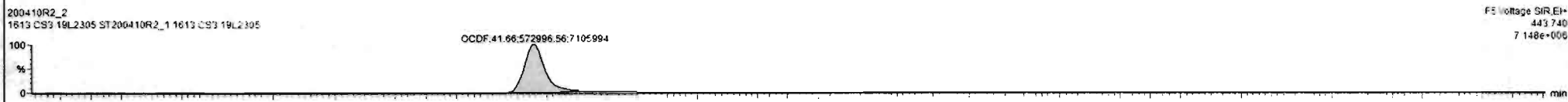
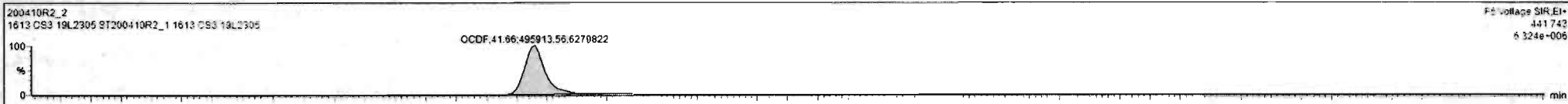
13C-OCDF



DPE5



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.24e5	2.48e5	0.77	0.78	NO	0.9835	25.80	25.78	NO	1.001	1.001	9.17	91.7	NO
2	1,2,3,7,8-PeCDD	8.19e5	1.86e6	0.63	0.62	NO	0.9212	31.18	31.17	NO	1.001	1.000	47.9	95.7	NO
3	1,2,3,4,7,8-HxCDD	7.11e5	1.31e6	1.24	1.22	NO	1.1325	34.59	34.60	NO	1.000	1.001	47.8	95.6	NO
4	1,2,3,6,7,8-HxCDD	7.45e5	1.72e6	1.24	1.23	NO	0.9844	34.89	34.70	NO	1.000	1.000	43.9	87.7	NO
5	1,2,3,7,8,9-HxCDD	6.79e5	1.54e6	1.24	1.22	NO	0.9674	34.96	34.96	NO	1.000	1.000	45.6	91.3	NO
6	1,2,3,4,6,7,8-HpCDD	5.45e5	1.20e6	1.04	1.02	NO	1.0061	38.39	38.39	NO	1.000	1.000	45.1	90.3	NO
7	OCDD	1.07e6	2.28e6	0.89	0.89	NO	1.0515	41.48	41.49	NO	1.000	1.000	89.2	89.2	NO
8	2,3,7,8-TCDF	2.53e5	3.25e6	0.77	0.75	NO	0.9154	24.76	24.76	NO	1.001	1.001	8.51	85.1	NO
9	1,2,3,7,8-PeCDF	1.19e6	2.71e6	1.55	1.55	NO	0.9594	29.80	29.80	NO	1.001	1.001	48.0	91.9	NO
10	2,3,4,7,8-PeCDF	1.21e6	2.55e6	1.55	1.55	NO	1.0035	30.85	30.84	NO	1.001	1.000	47.2	94.4	NO
11	1,2,3,4,7,8-HxCDF	6.02e5	1.71e6	1.24	1.20	NO	1.0281	33.73	33.75	NO	1.000	1.001	45.1	90.3	NO
12	1,2,3,6,7,8-HxCDF	9.31e5	2.04e6	1.24	1.21	NO	1.0126	33.87	33.87	NO	1.000	1.000	45.2	90.3	NO
13	2,3,4,6,7,8-HxCDF	8.84e5	1.79e6	1.24	1.20	NO	1.0920	34.45	34.43	NO	1.001	1.000	45.3	90.5	NO
14	1,2,3,7,8,9-HxCDF	7.07e5	1.50e6	1.24	1.21	NO	1.0268	35.29	35.30	NO	1.000	1.000	46.0	92.1	NO
15	1,2,3,4,6,7,8-HpCDF	6.49e5	1.36e6	1.04	1.00	NO	1.0483	37.02	37.00	NO	1.001	1.000	45.4	90.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.95e5	9.11e5	1.04	0.99	NO	1.2099	39.04	39.05	NO	1.000	1.000	45.3	90.5	NO
17	OCDF	1.07e6	2.58e6	0.89	0.87	NO	0.9468	41.85	41.88	NO	1.000	1.000	87.8	87.8	NO
18	13C-2,3,7,8-TCDD	2.48e6	2.15e6	0.77	0.79	NO	1.1842	25.73	25.77	NO	1.029	1.030	97.5	97.5	NO
19	13C-1,2,3,7,8-PeCDD	1.85e6	2.15e6	0.63	0.62	NO	0.8644	30.92	31.16	NO	1.236	1.245	99.9	99.9	NO
20	13C-1,2,3,4,7,8-HxCDD	1.31e6	1.78e6	1.24	1.27	NO	0.7539	34.59	34.58	NO	1.014	1.014	98.1	98.1	NO
21	13C-1,2,3,6,7,8-HxCDD	1.72e6	1.78e6	1.24	1.28	NO	0.9254	34.69	34.69	NO	1.017	1.017	105	105	NO

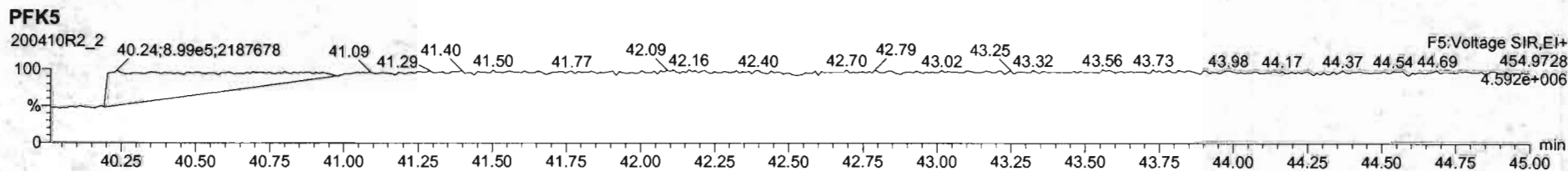
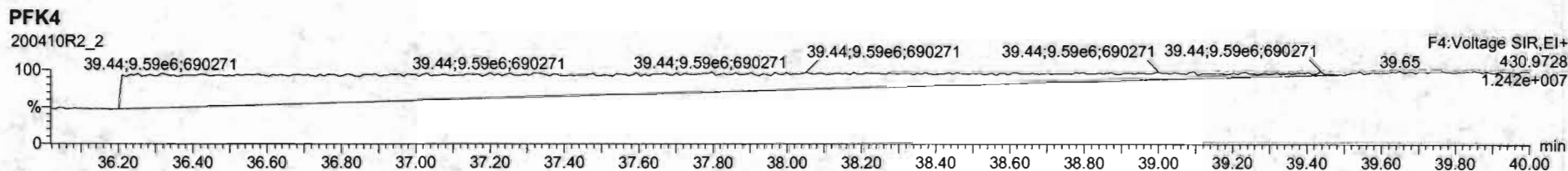
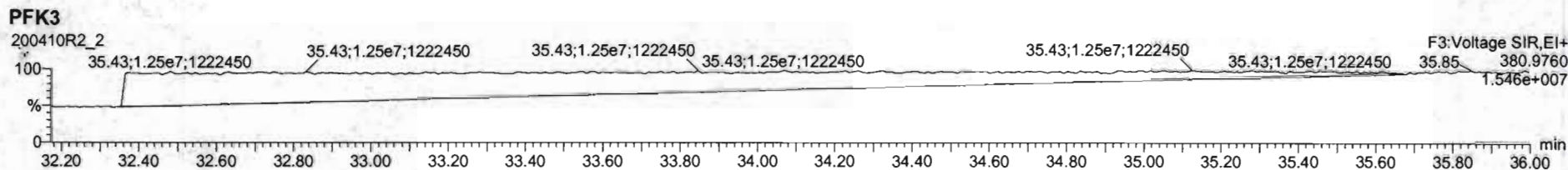
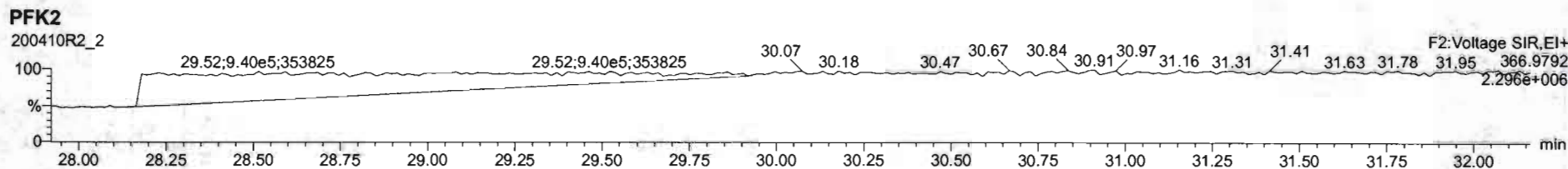
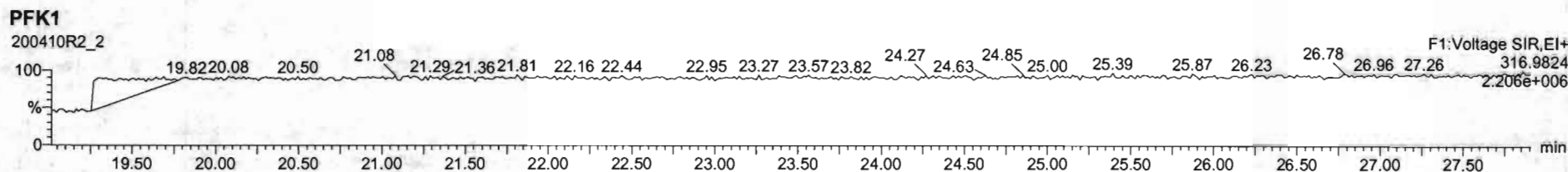


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Last Altered: Monday, April 13, 2020 07:26:26 Pacific Daylight Time

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Name: 200410R2_2, Date: 10-Apr-2020, Time: 21:31:56, ID: ST200410R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



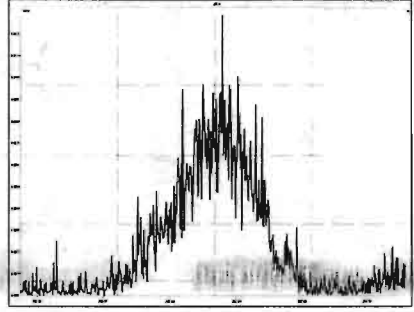
Resolution Check Report

MassLynx 4.1 SCN815

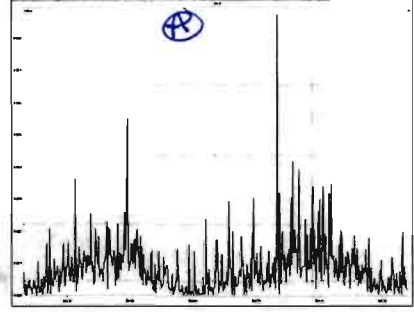
PFK DRAIN
⊗ DID NOT
CENTROID

Printed: Saturday, April 11, 2020 07:14:49 Pacific Daylight Time

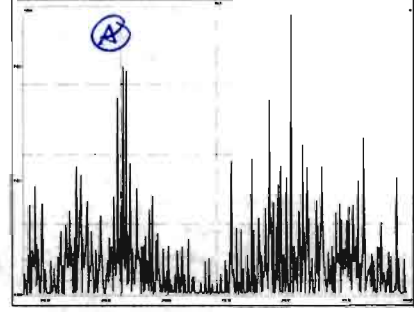
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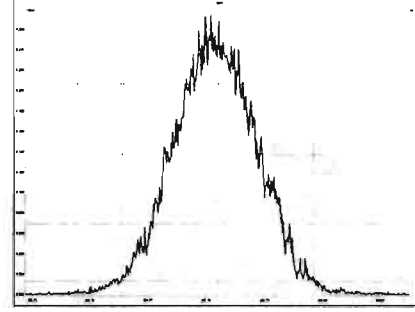
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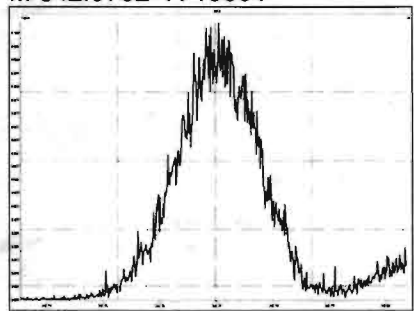
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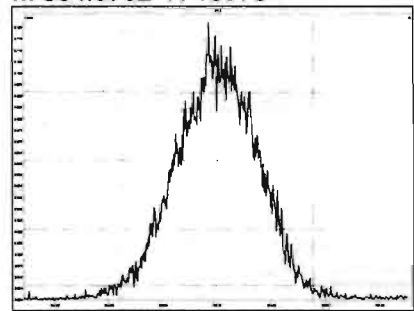
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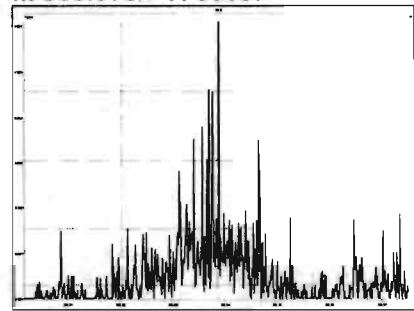
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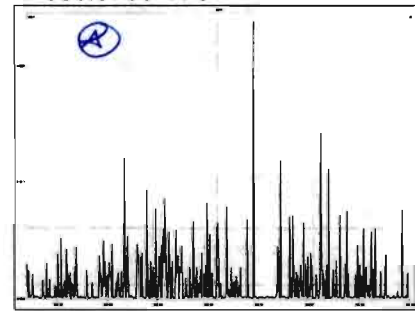
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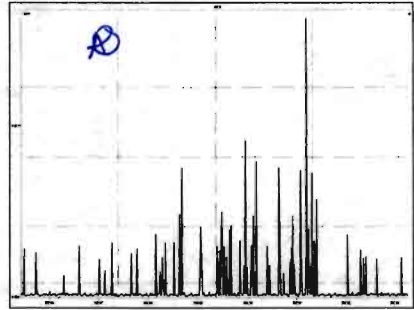
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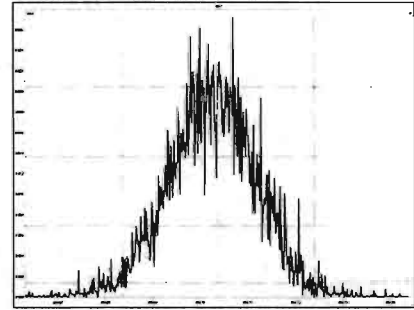
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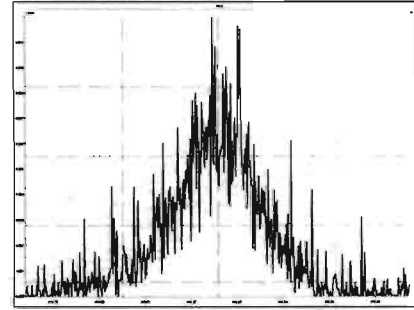
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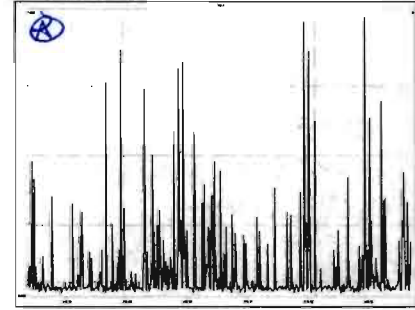
M 404.9760 R 11218



M 416.9760 R 11168

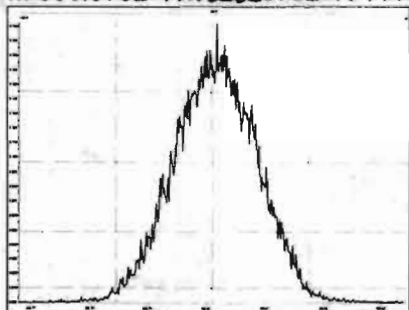


M 318.9792 R 0

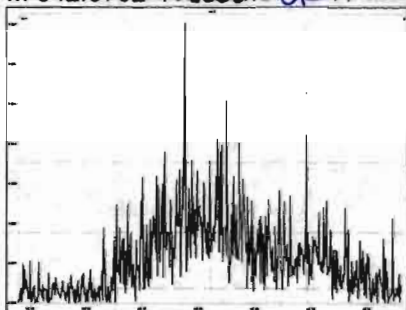


Printed: Saturday, April 11, 2020 07:14:49 Pacific Daylight Time

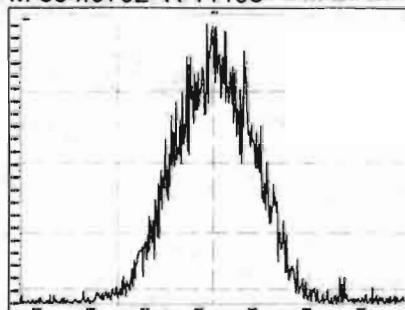
M 330.9792 R 10266



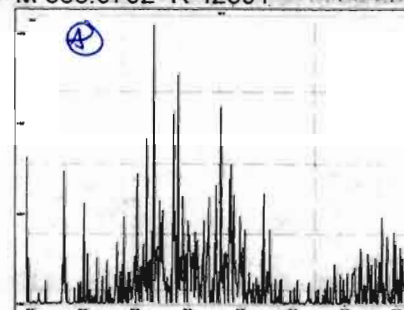
M 342.9792 R 9068 ok



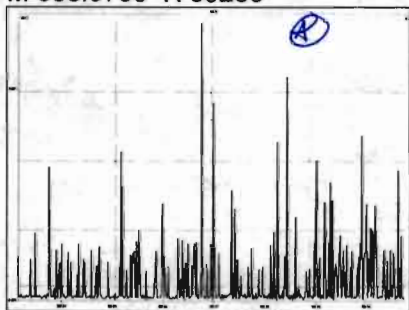
M 354.9792 R 11198



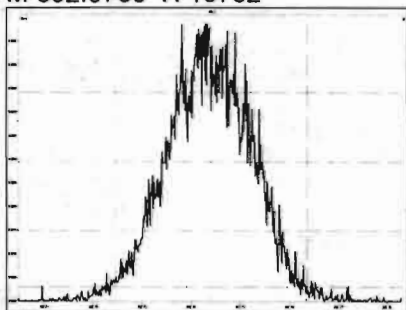
M 366.9792 R 42391



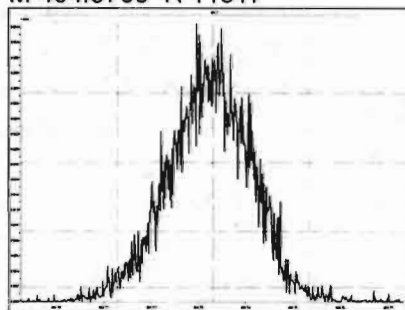
M 380.9760 R 89286



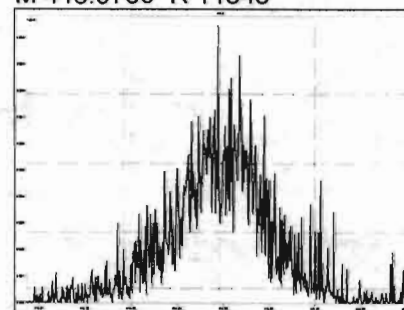
M 392.9760 R 10732



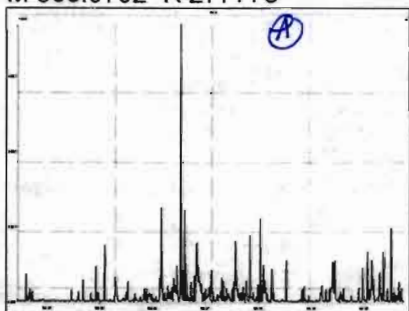
M 404.9760 R 11317



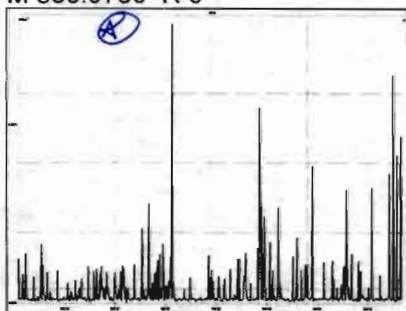
M 416.9760 R 11848



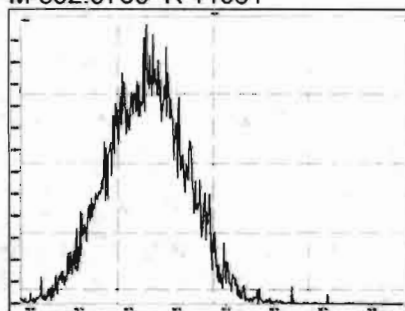
M 366.9792 R 27775



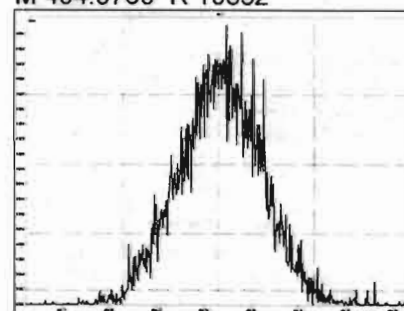
M 380.9760 R 0



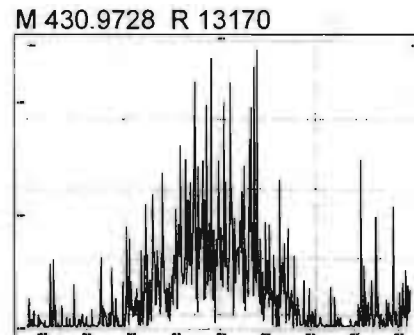
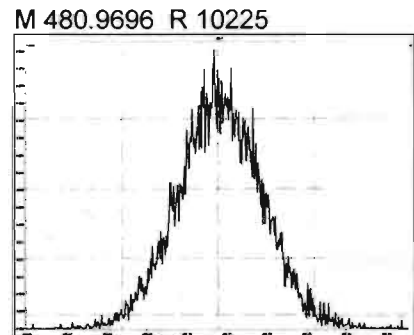
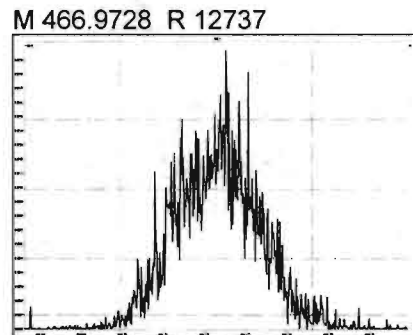
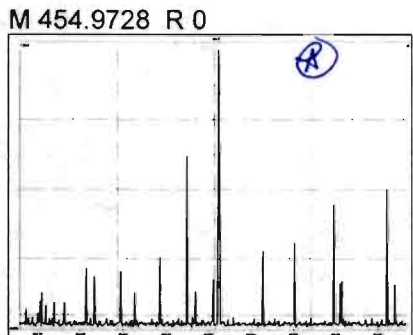
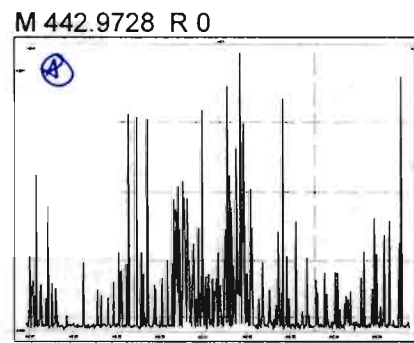
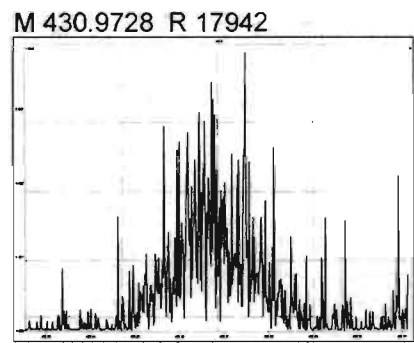
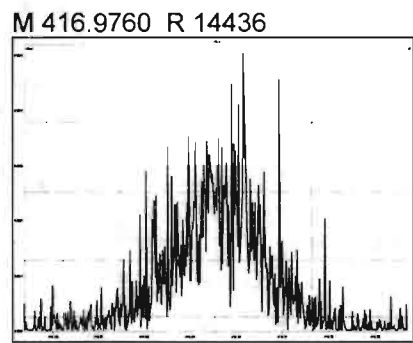
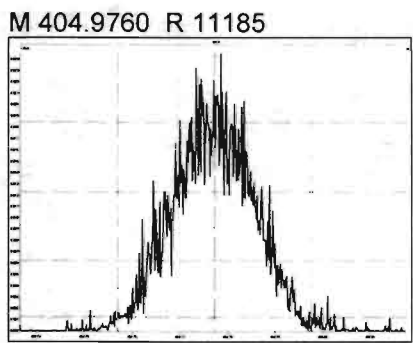
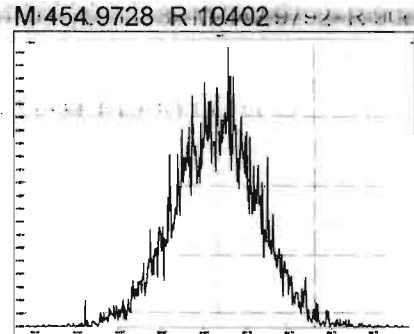
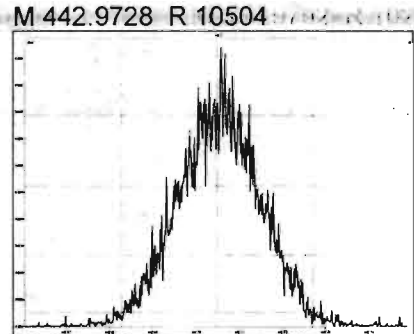
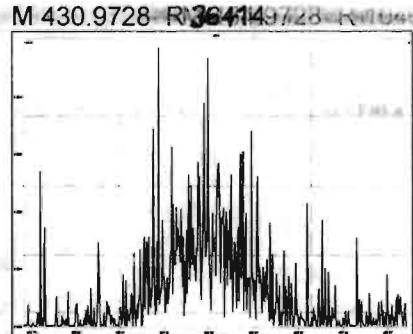
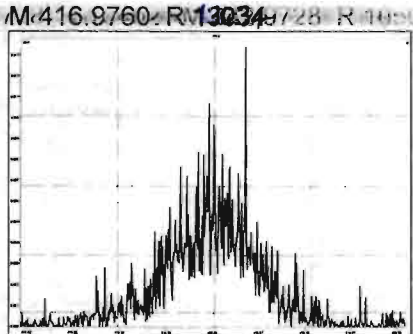
M 392.9760 R 11061



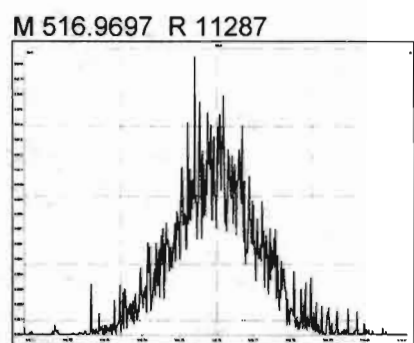
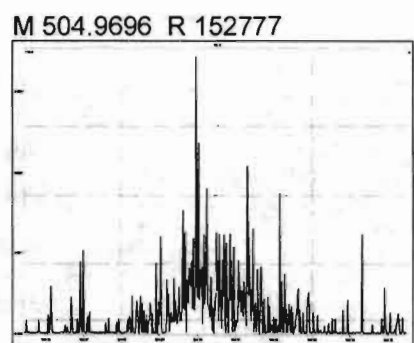
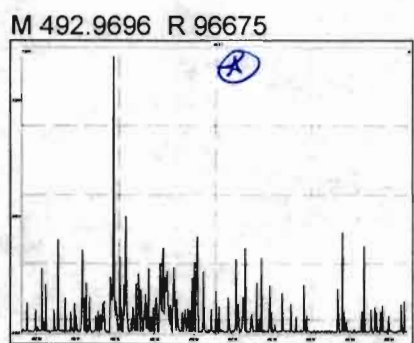
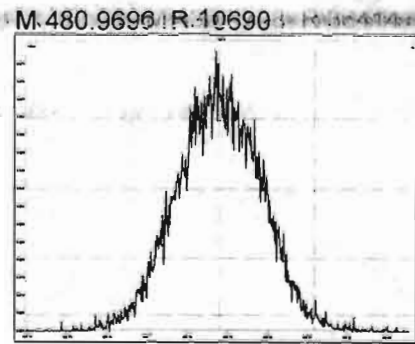
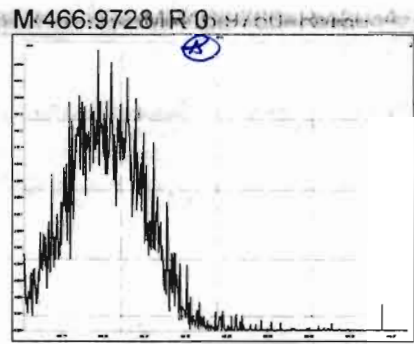
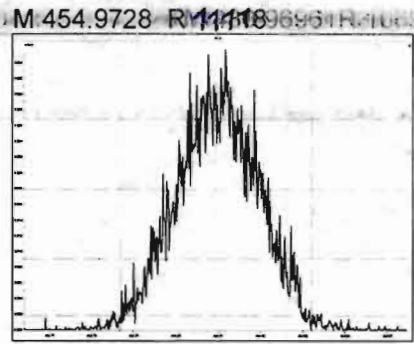
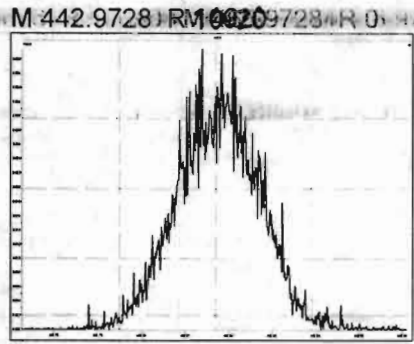
M 404.9760 R 10352



Printed: Saturday, April 11, 2020 07:14:49 Pacific Daylight Time



Printed: Saturday, April 11, 2020 07:14:49 Pacific Daylight Time



Experiment Calibration Report

MassLynx 4.1 SCN815

MANUAL RES CHECK:

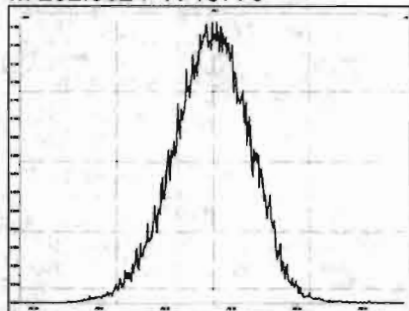
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

- SMALL AMOUNT OF PFK ADDED

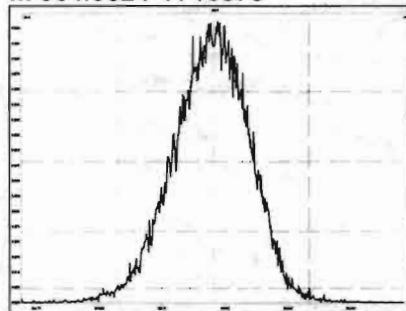
Printed: Monday, April 13, 2020 07:15:40 Pacific Daylight Time

- NO CHANGES MADE TO TUNING

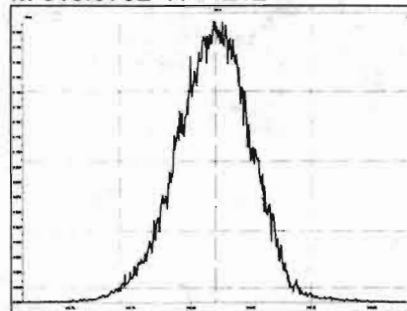
M 292.9824 R 10776



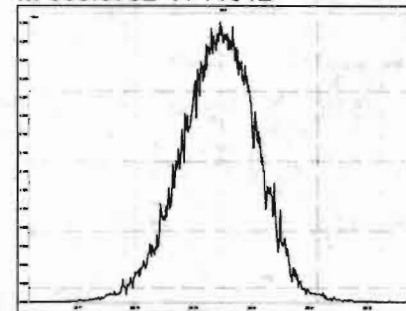
M 304.9824 R 10873



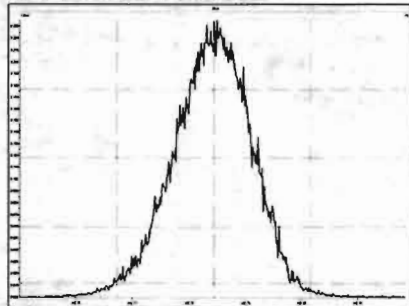
M 318.9792 R 11212



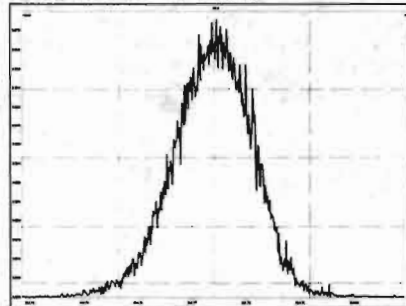
M 330.9792 R 11012



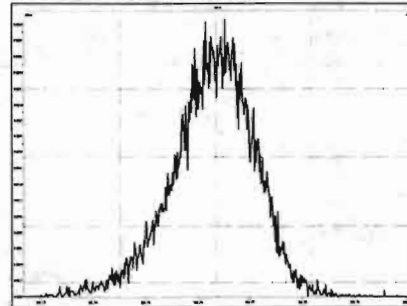
M 342.9792 R 10332



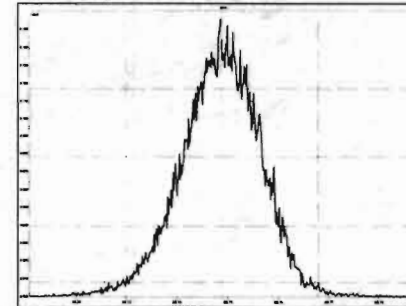
M 354.9792 R 11013



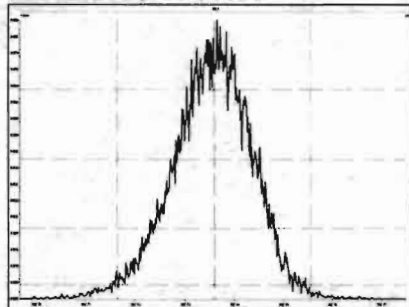
M 366.9792 R 10867



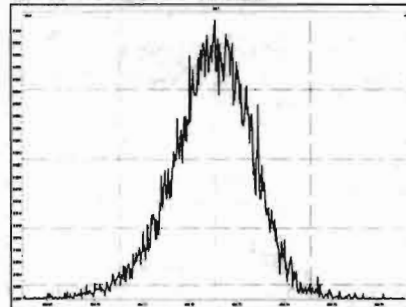
M 380.9760 R 11014



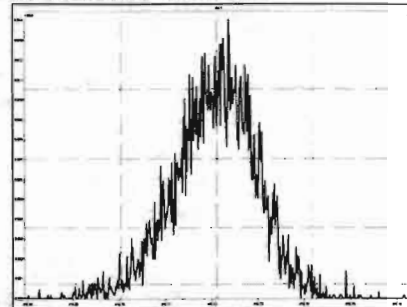
M 392.9760 R 11159



M 404.9760 R 10820



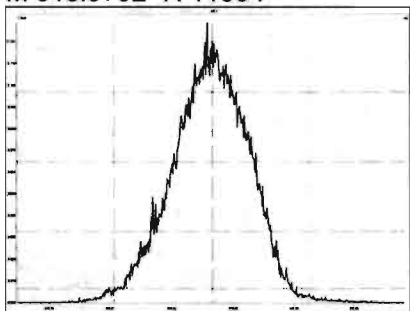
M 416.9760 R 10964



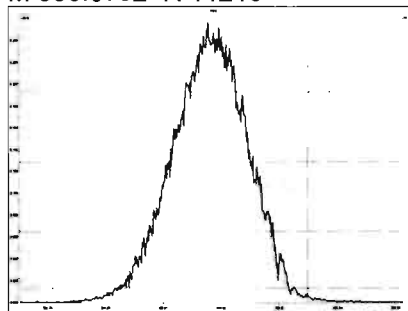
Reference: P File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, April 13, 2020 07:16:19 Pacific Daylight Time

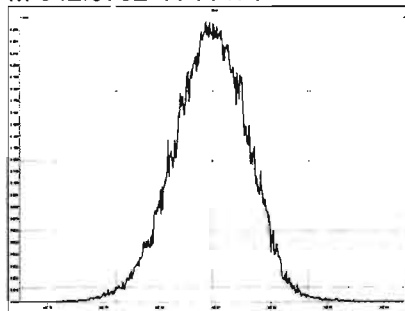
M 318.9792 R 11064



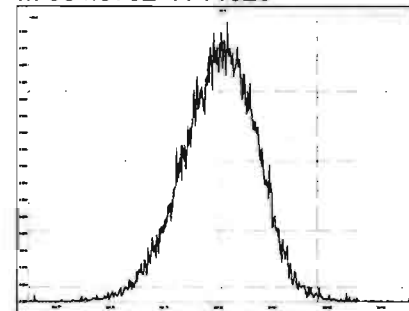
M 330.9792 R 11210



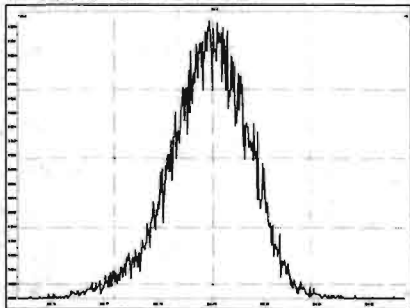
M 342.9792 R 11471



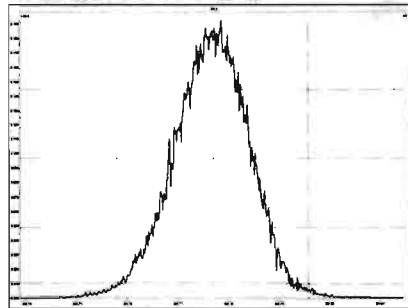
M 354.9792 R 11623



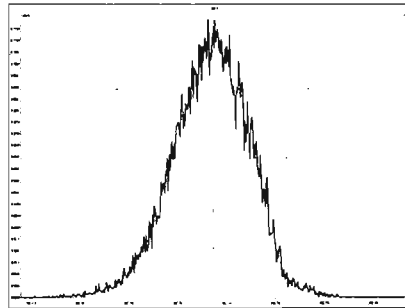
M 366.9792 R 10821



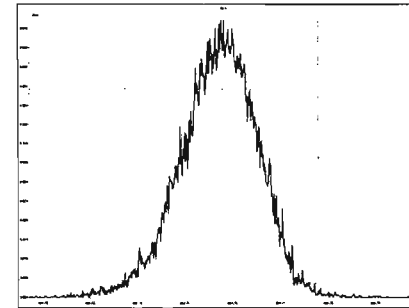
M 380.9760 R 11212



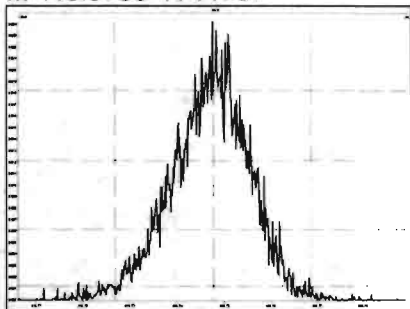
M 392.9760 R 11520



M 404.9760 R 11684



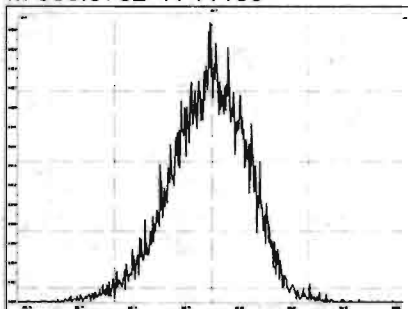
M 416.9760 R 11737



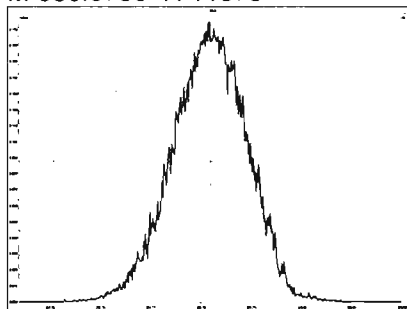
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, April 13, 2020 07:16:58 Pacific Daylight Time

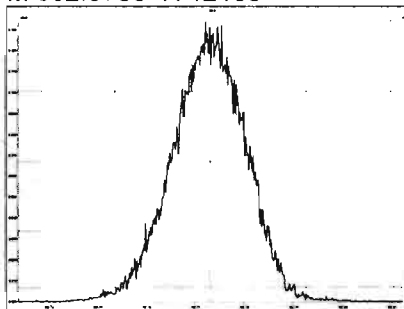
M 366.9792 R 11159



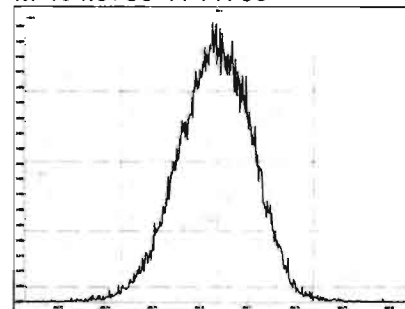
M 380.9760 R 11576



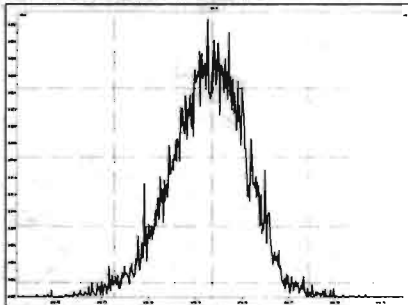
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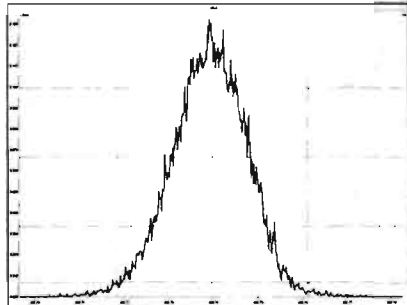
M 404.9760 R 11739



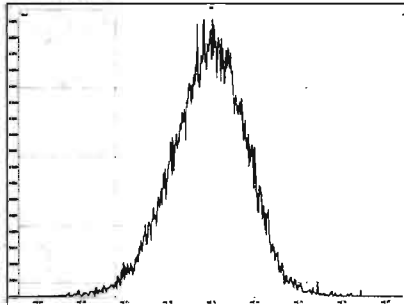
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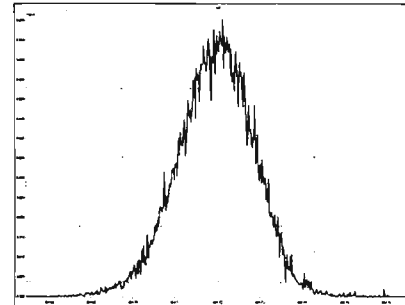
M 430.9728 R 11363



M 442.9728 R 11734



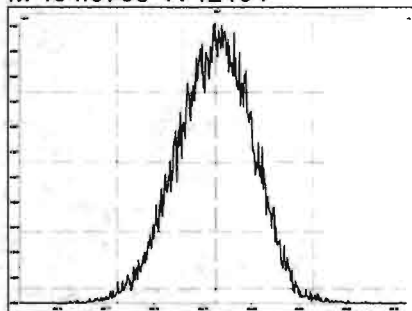
M 454.9728 R 11013



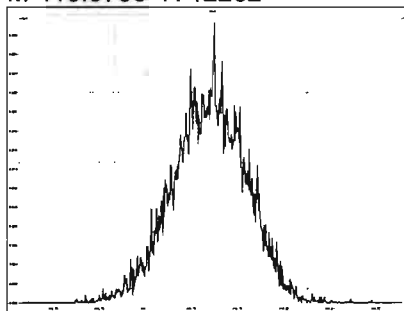
Reference: File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, April 13, 2020 07:17:31 Pacific Daylight Time

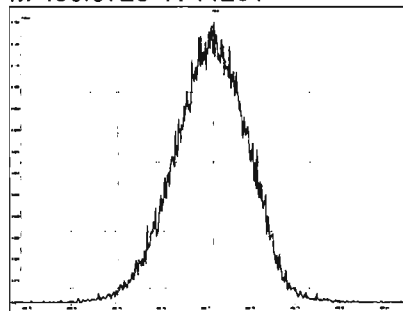
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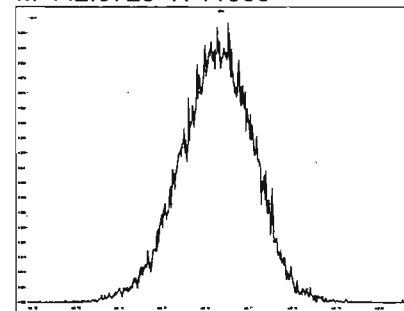
M 416.9760 R 12252



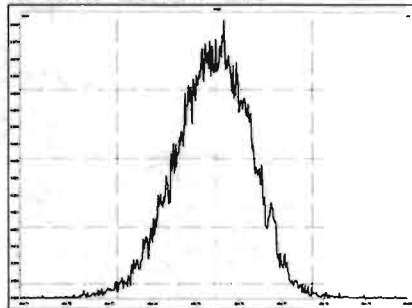
M 430.9728 R 11261



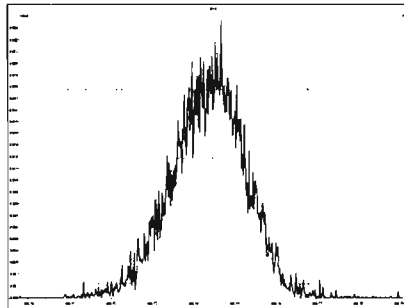
M 442.9728 R 11680



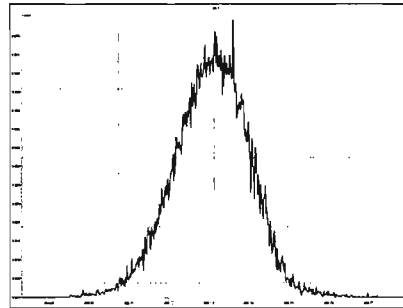
M 454.9728 R 11262



M 466.9728 R 13020



M 480.9696 R 11112



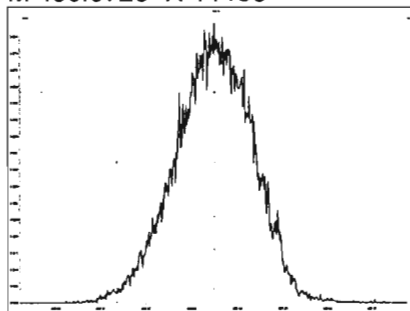
Experiment Calibration Report

MassLynx 4.1 SCN815

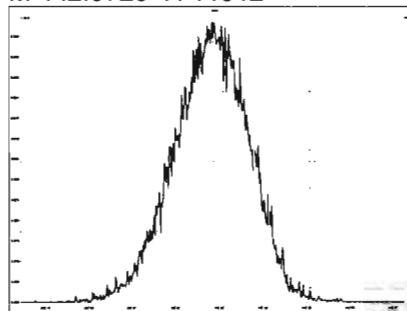
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, April 13, 2020 07:18:09 Pacific Daylight Time

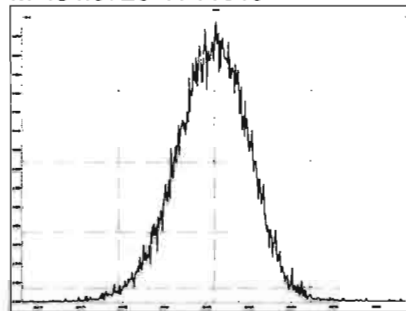
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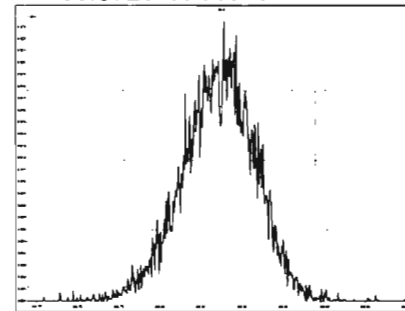
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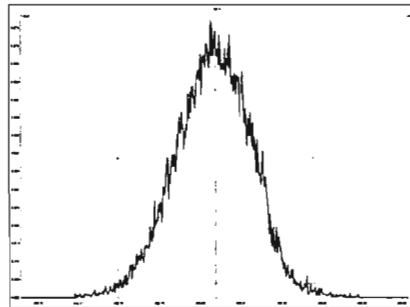
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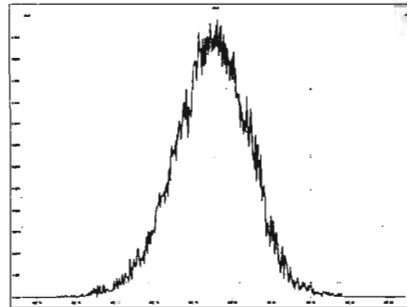
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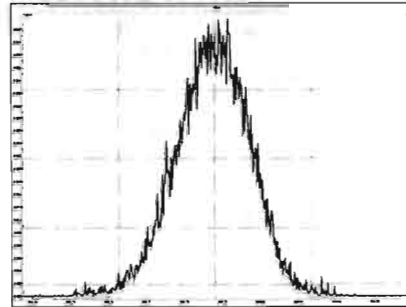
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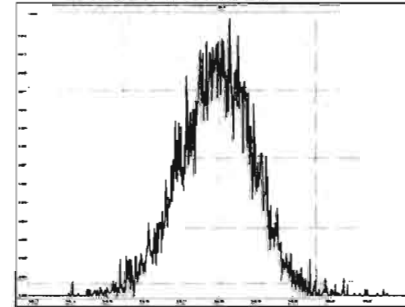
M 492.9696 R 11414



M 504.9696 R 11364



M 516.9697 R 11900



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200414R3-1

Reviewed By: C7 04/15/2020
Initials & Date

End Calibration ID: NA

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

Mass resolution >

- 5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20% NA

8280 CS1 End Standard:

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

Comments:

Dataset: U:\VG12.PRO\Results\200414R3\200414R3-1.qld

Last Altered: Wednesday, April 15, 2020 07:19:06 Pacific Daylight Time
Printed: Wednesday, April 15, 2020 07:24:55 Pacific Daylight Time

GRE 04/15/2020

C7 04/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200414R3_1, Date: 14-Apr-2020, Time: 14:49:27, ID: ST200414R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.55e5	1.60e6	0.75	NO	0.983	25.80	25.80	NO	1.001	1.001	9.8314	98.3	NO
2	2 1,2,3,7,8-PeCDD	5.23e5	1.18e6	0.63	NO	0.921	31.18	31.17	NO	1.001	1.000	48.037	96.1	NO
3	3 1,2,3,4,7,8-HxCDD	4.57e5	8.28e5	1.21	NO	1.13	34.61	34.61	NO	1.000	1.000	48.698	97.4	NO
4	4 1,2,3,6,7,8-HxCDD	6.13e5	1.35e6	1.23	NO	0.984	34.71	34.72	NO	1.000	1.000	46.100	92.2	NO
5	5 1,2,3,7,8,9-HxCDD	4.73e5	1.11e6	1.10	NO	0.967	34.97	34.99	NO	1.000	1.001	44.099	88.2	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.78e5	8.41e5	1.01	NO	1.01	38.42	38.41	NO	1.000	1.000	44.655	89.3	NO
7	7 OCDD	7.08e5	1.51e6	0.87	NO	1.05	41.49	41.50	NO	1.000	1.000	89.242	89.2	NO
8	8 2,3,7,8-TCDF	1.84e5	2.31e6	0.78	NO	0.915	24.77	24.76	NO	1.001	1.001	8.7252	87.3	NO
9	9 1,2,3,7,8-PeCDF	8.28e5	1.80e6	1.57	NO	0.959	29.82	29.80	NO	1.001	1.000	47.992	96.0	NO
10	10 2,3,4,7,8-PeCDF	8.36e5	1.74e6	1.57	NO	1.00	30.87	30.85	NO	1.001	1.000	47.856	95.7	NO
11	11 1,2,3,4,7,8-HxCDF	5.85e5	1.21e6	1.22	NO	1.04	33.75	33.76	NO	1.000	1.000	46.712	93.4	NO
12	12 1,2,3,6,7,8-HxCDF	7.55e5	1.59e6	1.21	NO	1.01	33.88	33.88	NO	1.000	1.000	47.042	94.1	NO
13	13 2,3,4,6,7,8-HxCDF	6.45e5	1.33e6	1.21	NO	1.09	34.47	34.45	NO	1.001	1.001	44.491	89.0	NO
14	14 1,2,3,7,8,9-HxCDF	5.09e5	1.08e6	1.22	NO	1.03	35.30	35.33	NO	1.000	1.001	45.763	91.5	NO
15	15 1,2,3,4,6,7,8-HpCDF	4.75e5	9.99e5	1.01	NO	1.05	37.03	37.02	NO	1.001	1.001	45.359	90.7	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.73e5	6.81e5	1.01	NO	1.21	39.06	39.08	NO	1.000	1.000	45.333	90.7	NO
17	17 OCDF	7.59e5	1.77e6	0.88	NO	0.947	41.67	41.68	NO	1.000	1.000	90.766	90.8	NO
18	18 13C-2,3,7,8-TCDD	1.60e6	1.36e6	0.80	NO	1.18	25.74	25.76	NO	1.029	1.030	98.929	98.9	NO
19	19 13C-1,2,3,7,8-PeCDD	1.18e6	1.36e6	0.63	NO	0.864	30.92	31.16	NO	1.236	1.245	100.09	100	NO
20	20 13C-1,2,3,4,7,8-HxCDD	8.28e5	1.28e6	1.27	NO	0.754	34.61	34.60	NO	1.014	1.014	86.059	86.1	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.35e6	1.28e6	1.26	NO	0.925	34.72	34.71	NO	1.017	1.017	114.26	114	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.11e6	1.28e6	1.27	NO	0.829	34.98	34.96	NO	1.025	1.024	104.81	105	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	8.41e5	1.28e6	1.06	NO	0.598	38.45	38.40	NO	1.127	1.125	110.10	110	NO
24	24 13C-OCDD	1.51e6	1.28e6	0.91	NO	0.571	41.62	41.49	NO	1.219	1.216	206.91	103	NO
25	25 13C-2,3,7,8-TCDF	2.31e6	2.22e6	0.78	NO	1.09	24.76	24.75	NO	0.990	0.989	95.480	95.5	NO
26	26 13C-1,2,3,7,8-PeCDF	1.80e6	2.22e6	1.60	NO	0.876	29.59	29.80	NO	1.183	1.191	92.547	92.5	NO
27	27 13C-2,3,4,7,8-PeCDF	1.74e6	2.22e6	1.60	NO	0.844	30.60	30.83	NO	1.223	1.233	93.072	93.1	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.21e6	1.28e6	0.52	NO	1.00	33.75	33.75	NO	0.989	0.989	94.466	94.5	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.59e6	1.28e6	0.53	NO	1.12	33.86	33.87	NO	0.992	0.992	111.13	111	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.33e6	1.28e6	0.51	NO	1.04	34.44	34.43	NO	1.009	1.009	100.42	100	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.08e6	1.28e6	0.52	NO	0.873	35.32	35.30	NO	1.035	1.034	97.101	97.1	NO

Dataset: U:\VG12.PRO\Results\200414R3\200414R3-1.qld

Last Altered: Wednesday, April 15, 2020 07:19:06 Pacific Daylight Time

Printed: Wednesday, April 15, 2020 07:23:39 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200414R3_1, Date: 14-Apr-2020, Time: 14:49:27, ID: ST200414R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	32 13C-1,2,3,4,6,7,8-HpCDF	9.99e5	1.28e6	0.44	NO	0.771	37.04	37.00	NO	1.085	1.084	101.57	102	NO
2	33 13C-1,2,3,4,7,8,9-HpCDF	6.81e5	1.28e6	0.43	NO	0.519	39.14	39.06	NO	1.147	1.145	102.67	103	NO
3	34 13C-OCDF	1.77e6	1.28e6	0.88	NO	0.696	41.80	41.67	NO	1.225	1.221	198.85	99.4	NO
4	35 37Cl-2,3,7,8-TCDD	1.49e5	1.36e6			1.17	25.75	25.78	NO	1.029	1.031	9.3201	93.2	NO
5	36 13C-1,2,3,4-TCDD	1.36e6	1.36e6	0.80	NO	1.00	25.05	25.02	NO	1.000	1.000	100.00	100	NO
6	37 13C-1,2,3,4-TCDF	2.22e6	2.22e6	0.79	NO	1.00	23.19	23.01	NO	1.000	1.000	100.00	100	NO
7	38 13C-1,2,3,4,6,9-HxCDF	1.28e6	1.28e6	0.52	NO	1.00	34.04	34.13	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Dataset: Untitled

Last Altered: Wednesday, April 15, 2020 07:21:13 Pacific Daylight Time

Printed: Wednesday, April 15, 2020 07:21:38 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-01-20.mdb 01 Apr 2020 15:13:32

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

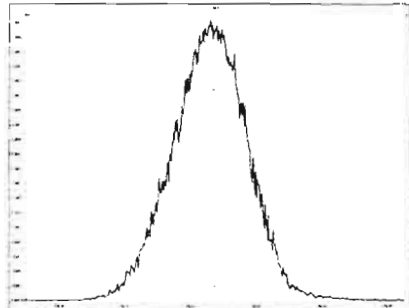
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200414R3_1	ST200414R3_1 1613 CS3 19L2305	14-Apr-20	14:49:27
2	200414R3_2	B0D0041-BS1 OPR 1	14-Apr-20	15:40:31
3	200414R3_3	SOLVENT BLANK	14-Apr-20	16:26:47
4	200414R3_4	B0D0041-BLK1 Method Blank 1	14-Apr-20	17:14:34
5	200414R3_5	B0D0097-BLK1 Method Blank 1	14-Apr-20	18:02:24
6	200414R3_6	B0C0363-BLK1 Method Blank 1	14-Apr-20	18:50:15
7	200414R3_7	B0C0304-BLK1 Method Blank 10	14-Apr-20	19:38:05
8	200414R3_8	2000722-01 Bleach Plant Effluent 0.87058	14-Apr-20	20:25:54
9	200414R3_9	2000571-01 Camas-S1-S4-20200312 85.33	14-Apr-20	21:13:50
10	200414R3_10	2000571-02 Camas-P1-N-W-20200312 20.07	14-Apr-20	22:01:40
11	200414R3_11	2000787-02 PDI-064SC-A-05-06-190929 16.7	14-Apr-20	22:49:31
12	200414R3_12	2000787-02@5X PDI-064SC-A-05-06-190929 ...	14-Apr-20	23:37:22

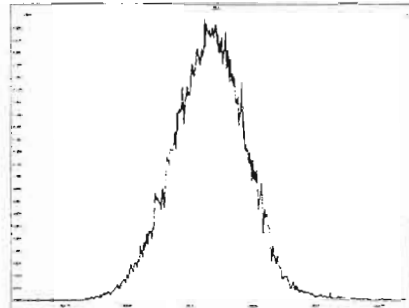
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, April 14, 2020 14:40:56 Pacific Daylight Time

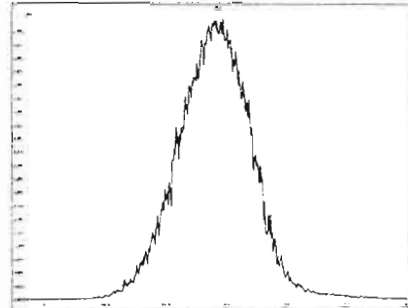
M 292.9824 R 11312



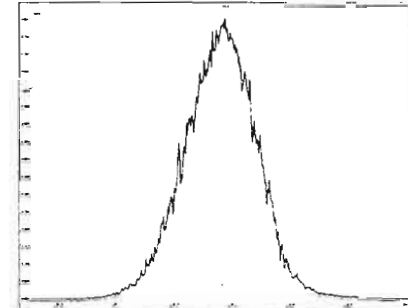
M 304.9824 R 11361



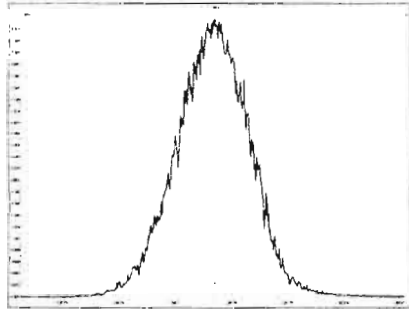
M 318.9792 R 11469



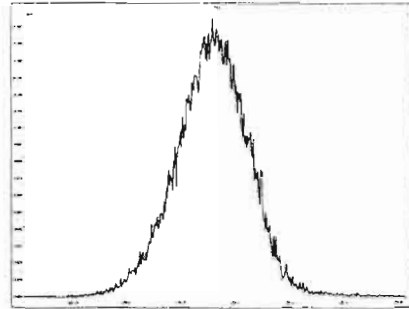
M 330.9792 R 11414



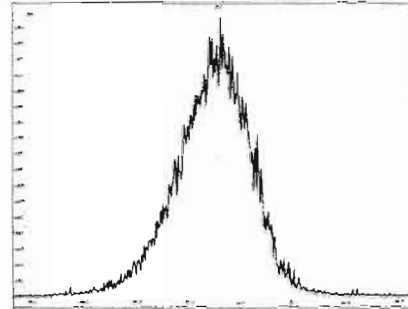
M 342.9792 R 11739



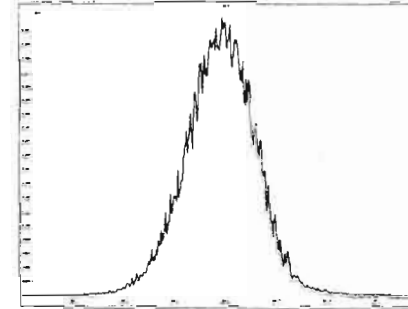
M 354.9792 R 11467



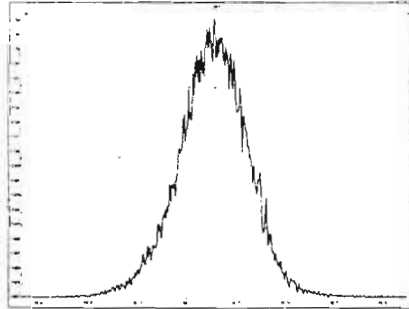
M 366.9792 R 11158



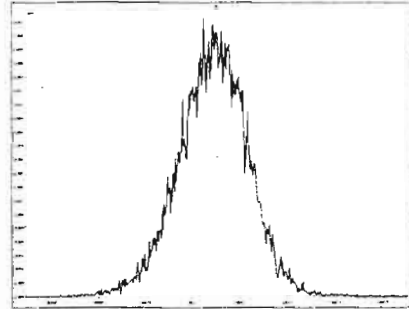
M 380.9760 R 11575



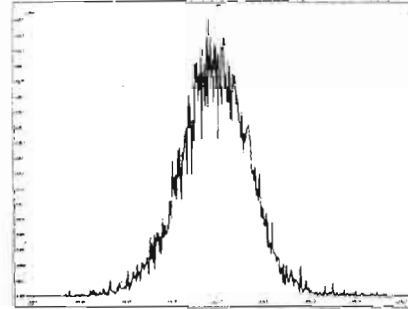
M 392.9760 R 12258



M 404.9760 R 11789



M 416.9760 R 12499



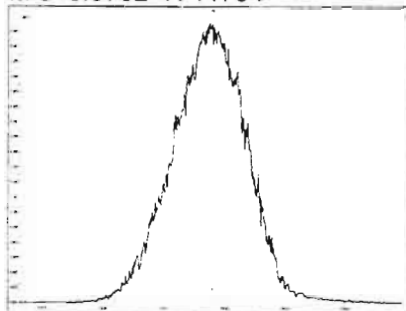
Experiment Calibration Report

MassLynx 4.1 SCN815

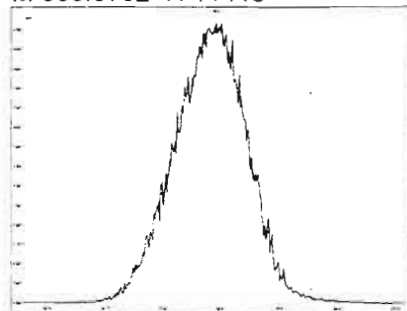
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, April 14, 2020 14:41:47 Pacific Daylight Time

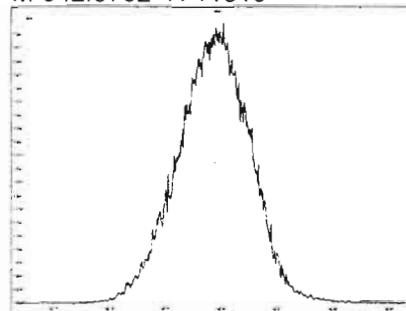
M 318.9792 R 11794



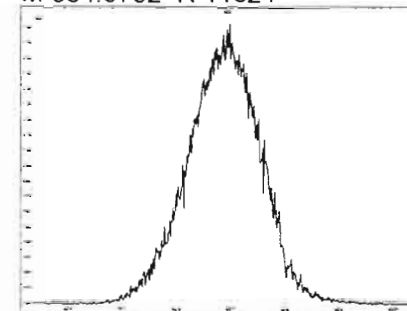
M 330.9792 R 11415



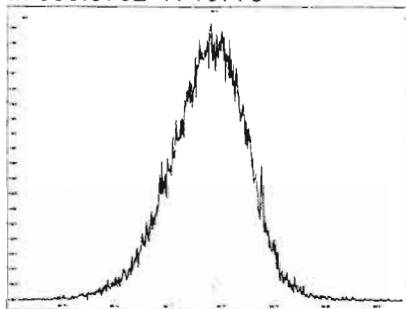
M 342.9792 R 11310



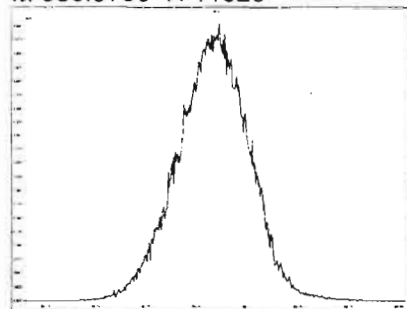
M 354.9792 R 11521



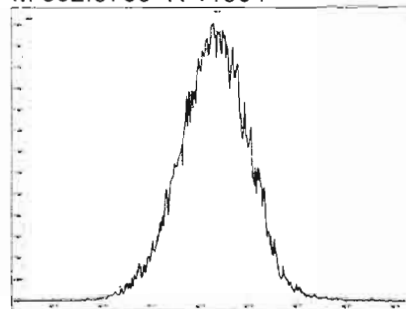
M 366.9792 R 10779



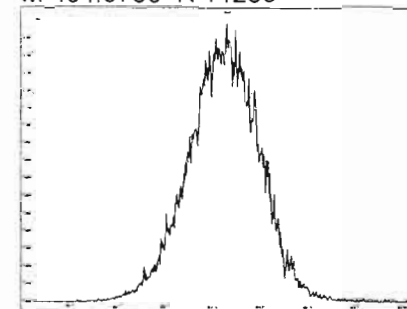
M 380.9760 R 11629



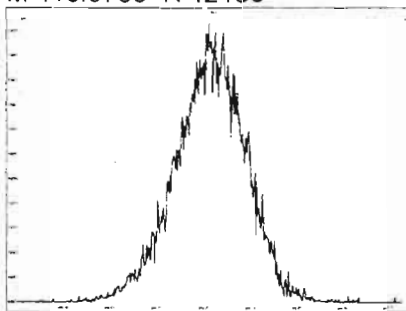
M 392.9760 R 11904



M 404.9760 R 11263



M 416.9760 R 12136



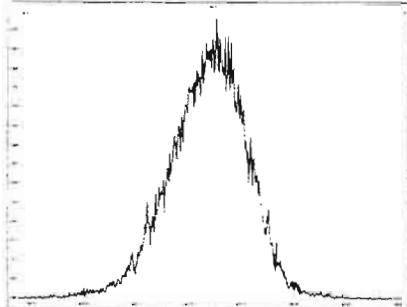
Experiment Calibration Report

MassLynx 4.1 SCN815

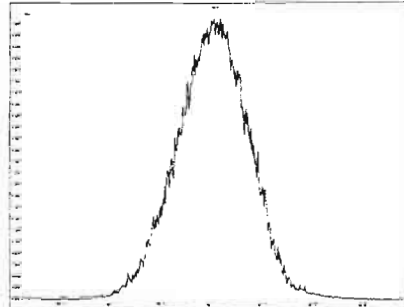
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, April 14, 2020 14:42:21 Pacific Daylight Time

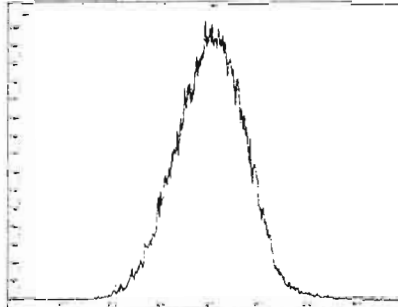
M 366.9792 R 11159



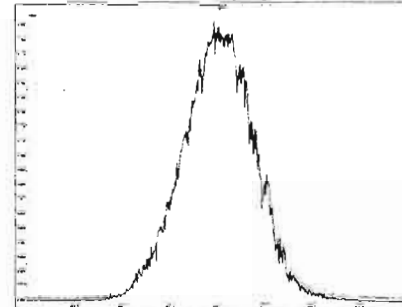
M 380.9760 R 11789



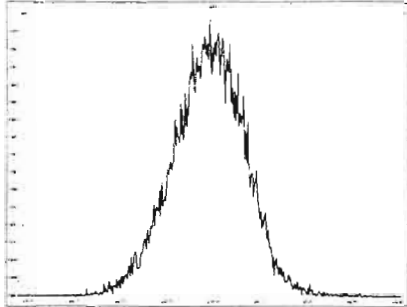
M 392.9760 R 11904



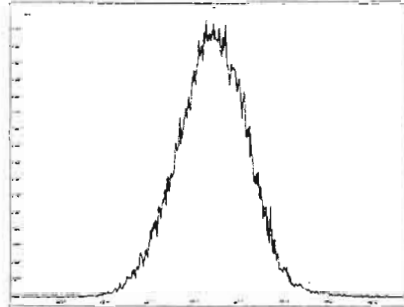
M 404.9760 R 11518



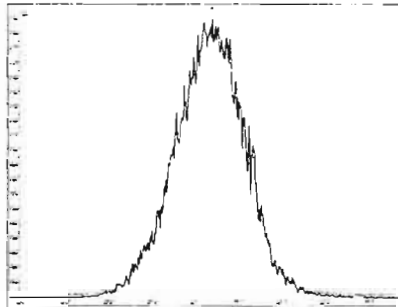
M 416.9760 R 11521



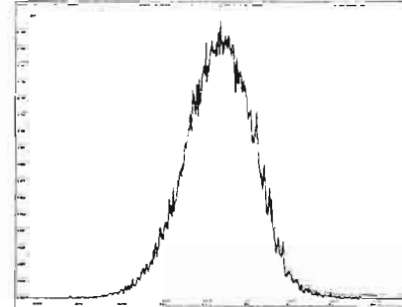
M 430.9728 R 11631



M 442.9728 R 12192



M 454.9728 R 11736



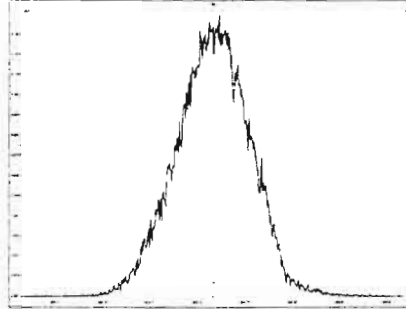
Experiment Calibration Report

MassLynx 4.1 SCN815

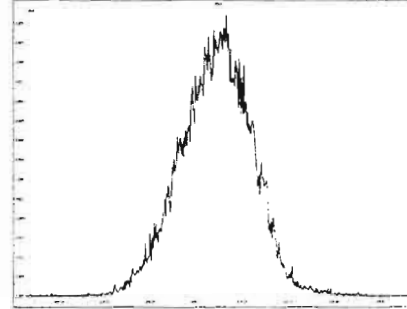
Reference: P-File: 100 Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, April 14, 2020 14:42:55 Pacific Daylight Time

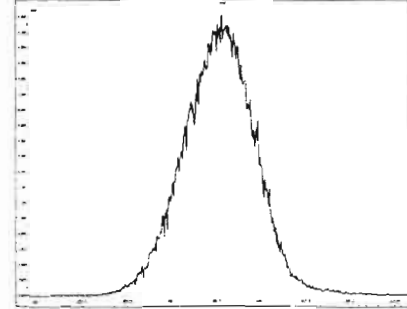
M 404.9760 R 11366



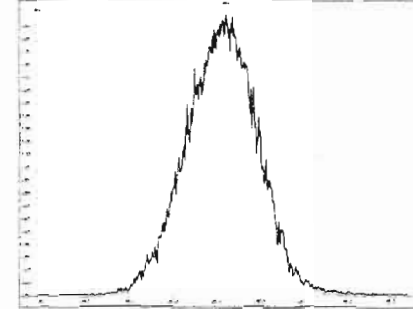
M 416.9760 R 11683



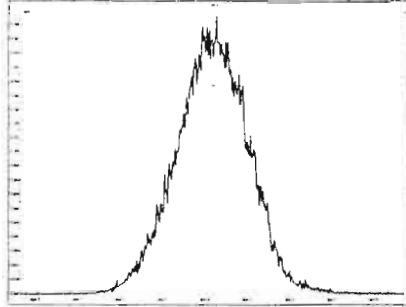
M 430.9728 R 11468



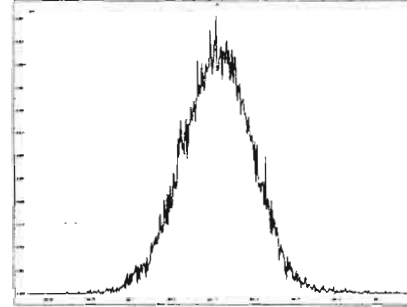
M 442.9728 R 11630



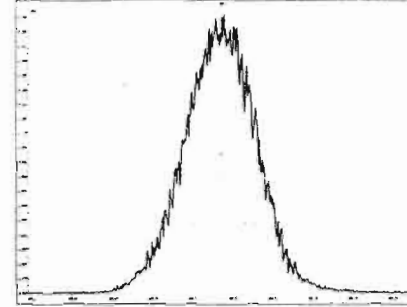
M 454.9728 R 11624



M 466.9728 R 12080



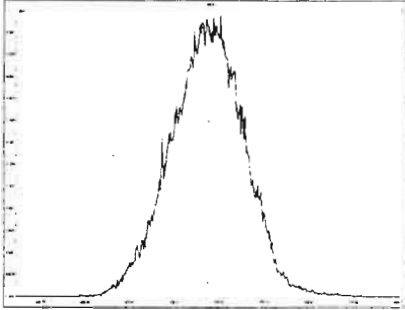
M 480.9696 R 11259



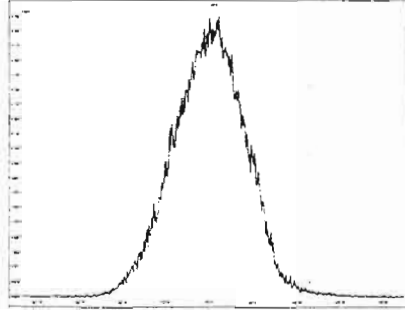
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, April 14, 2020 14:43:24 Pacific Daylight Time

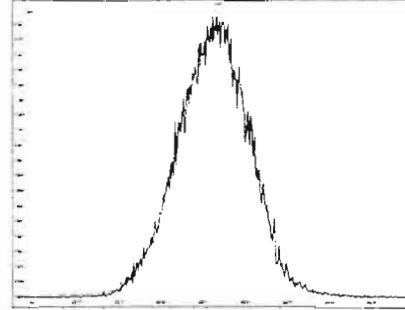
M 430.9728 R 11413



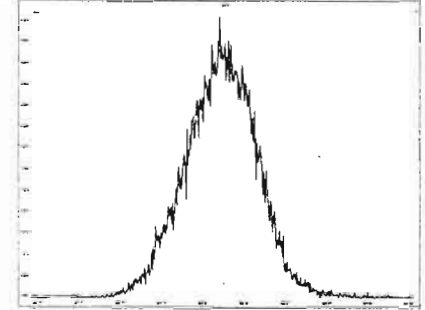
M 442.9728 R 11961



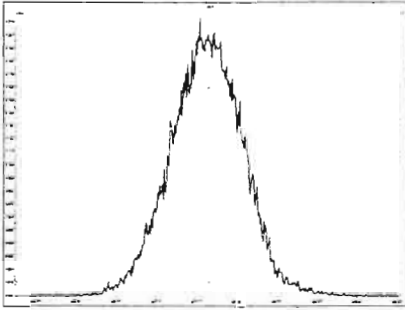
M 454.9728 R 11523



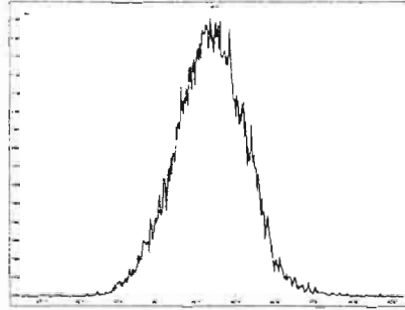
M 466.9728 R 12377



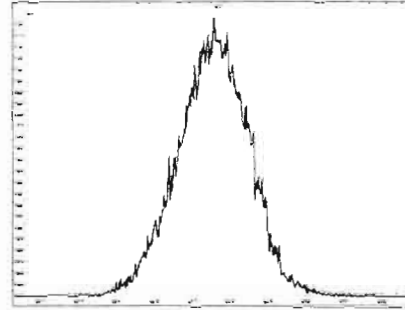
M 480.9696 R 12080



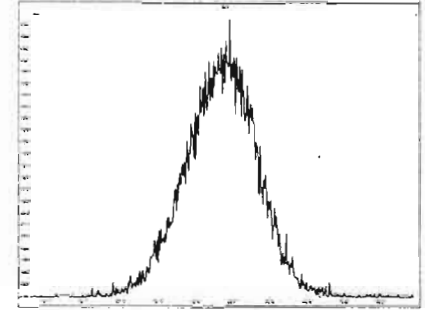
M 492.9696 R 11413



M 504.9696 R 11905



M 516.9697 R 11739



Dataset: Untitled

Last Altered: Wednesday, April 15, 2020 07:20:38 Pacific Daylight Time

Printed: Wednesday, April 15, 2020 07:20:47 Pacific Daylight Time

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

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200414R3_1, Date: 14-Apr-2020, Time: 14:49:27, ID: ST200414R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.36
2	2 1,2,8,9-TCDD (Last)	26.86
3	3 1,2,4,7,9-PeCDD (First)	28.82
4	4 1,2,3,8,9-PeCDD (Last)	31.58
5	5 1,2,4,6,7,9-HxCDD (First)	33.14
6	6 1,2,3,7,8,9-HxCDD (Last)	34.98
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.39
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.41
9	9 1,3,6,8-TCDF (First)	19.37
10	10 1,2,8,9-TCDF (Last)	27.02
11	11 1,3,4,6,8-PeCDF (First)	26.99
12	12 1,2,3,8,9-PeCDF (Last)	31.83
13	13 1,2,3,4,6,8-HxCDF (First)	32.56
14	14 1,2,3,7,8,9-HxCDF (Last)	35.33
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.02
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.07

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Printed: Wednesday, April 15, 2020 07:20:47 Pacific Daylight Time

GPB 04/15/2020

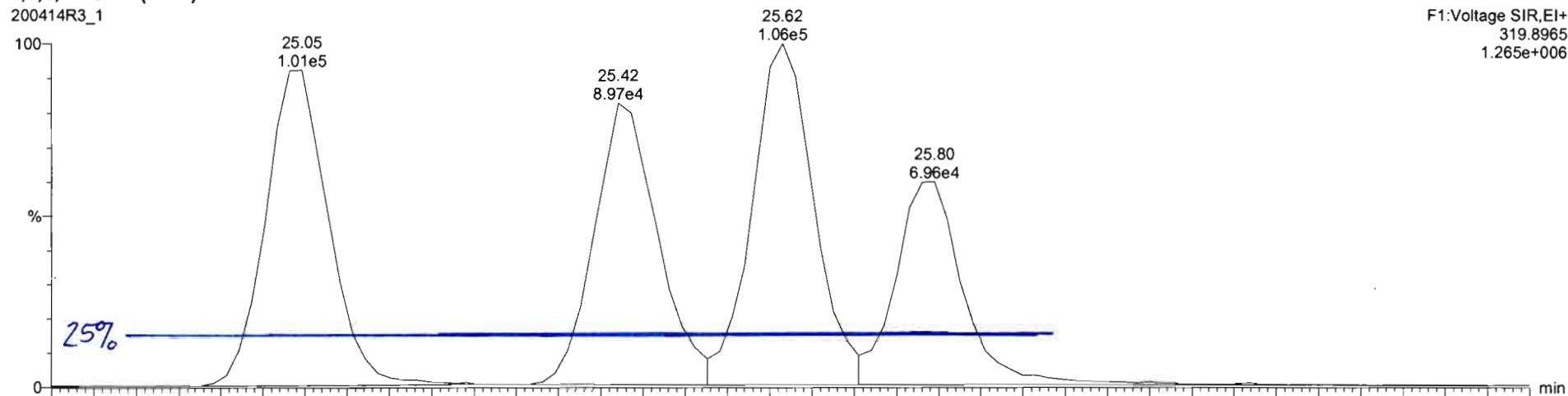
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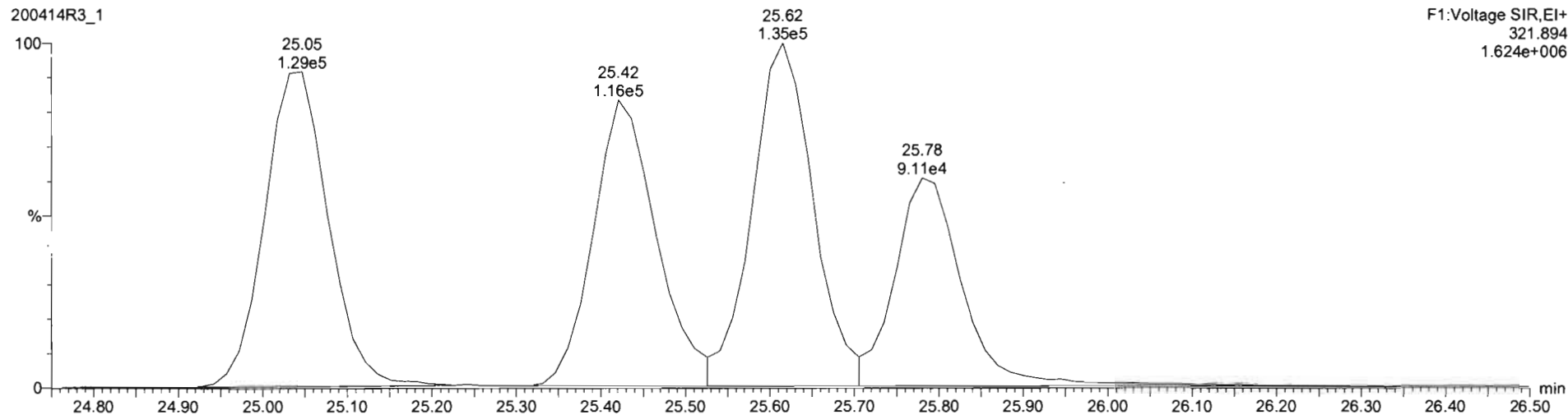
Name: 200414R3_1, Date: 14-Apr-2020, Time: 14:49:27, ID: ST200414R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200414R3_1



200414R3_1



Dataset: Untitled

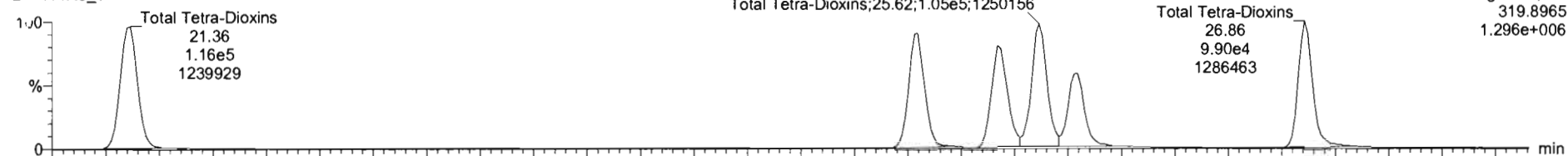
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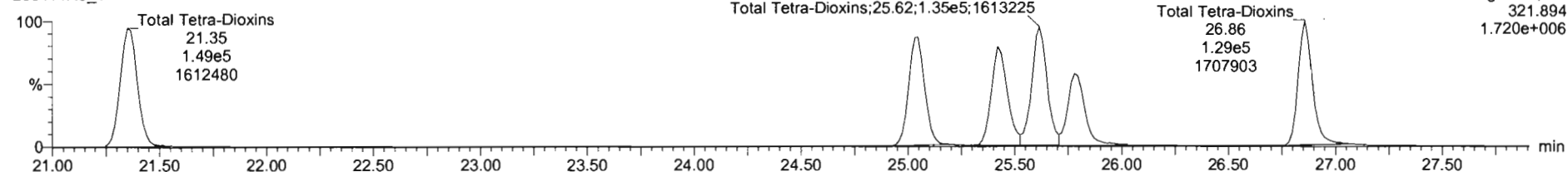
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2,3,7,8-TCDD

200414R3_1

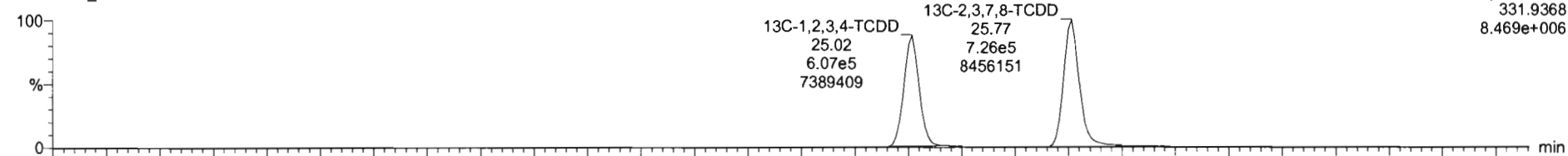


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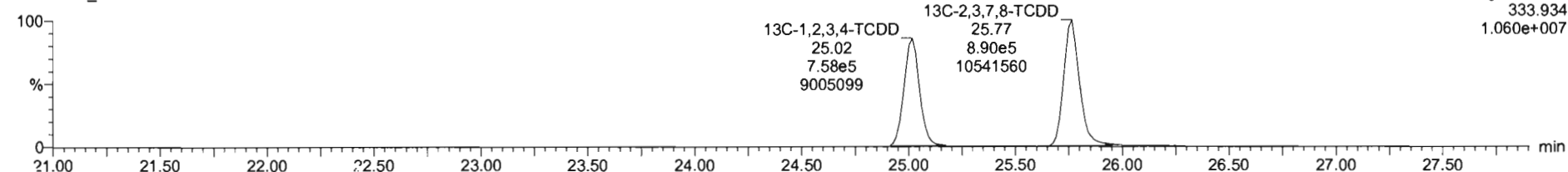


13C-2,3,7,8-TCDD

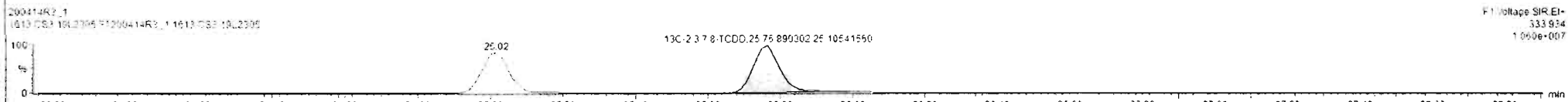
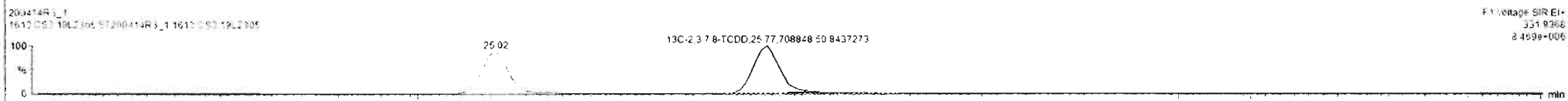
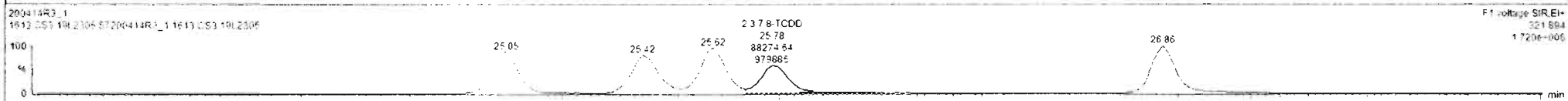
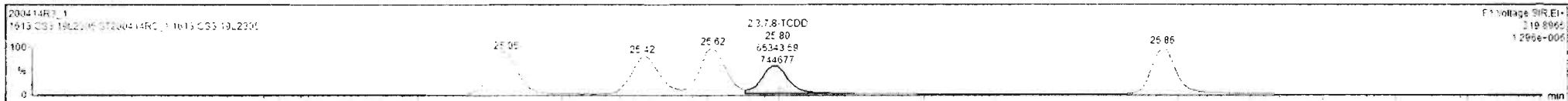
200414R3_1



200414R3_1



Name	Resp	RA	ny	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.55e5	0.75	NO	0.8835	1.000	25.80	1.001	9.83	98.3	0.0586	9.83
2 1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3 1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	24.61	1.000	48.7	97.4	0.120	48.7
4 1,2,3,6,7,8-HxCDD	6.12e5	1.23	NO	0.9844	1.000	24.72	1.000	46.1	92.2	0.118	46.1
5 1,2,3,7,8,9-HxCDD	4.82e5	1.09	NO	0.9574	1.000	34.99	1.001	43.5	87.1	0.153	43.5
6 1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	26.41	1.000	44.7	89.3	0.254	44.7
7 OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	89.2	98.2	0.230	89.2
8 2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9 1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9594	1.000	29.80	1.000	48.0	96.0	0.0919	48.0
10 2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0025	1.000	30.85	1.000	47.9	96.7	0.0774	47.9
11 1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12 1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	33.68	1.000	47.0	94.1	0.161	47.0
13 2,3,4,6,7,8-HxCDF	6.25e5	1.21	NO	1.0920	1.000	24.45	1.001	44.5	89.0	0.173	44.5
14 1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.5	0.264	45.8
15 1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16 1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.00	1.000	45.3	90.7	0.164	45.3
17 OCDF	7.59e5	0.88	NO	0.9468	1.000	41.68	1.000	90.8	90.8	0.159	90.8
18 13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.030	98.5	98.5	0.134	
19 13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20 13C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	24.60	1.014	96.1	96.1	0.186	
21 13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	24.71	1.017	114	114	0.136	



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200414R3_1 CAP NUM

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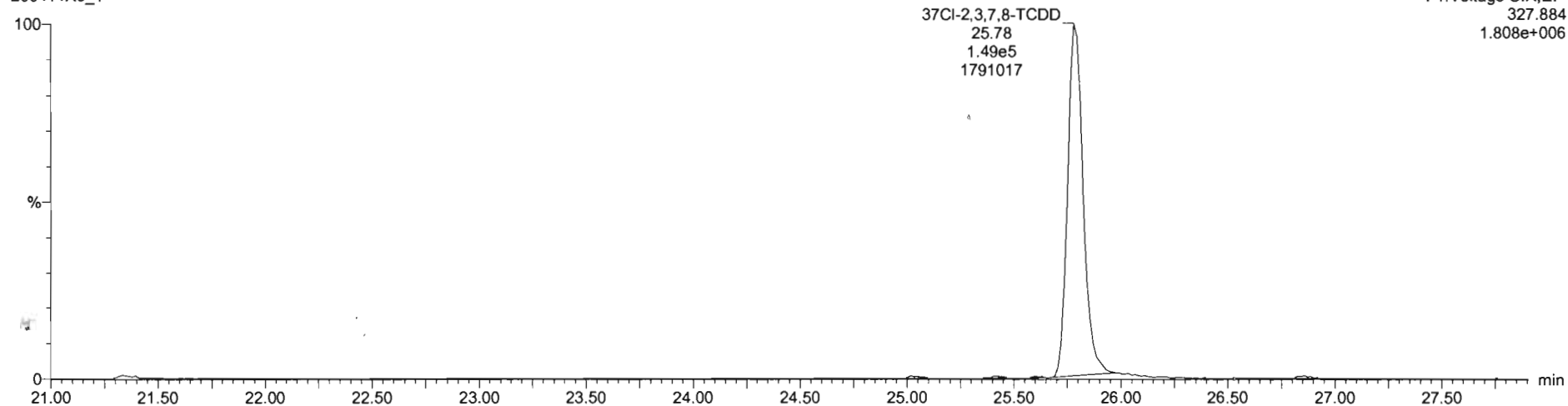
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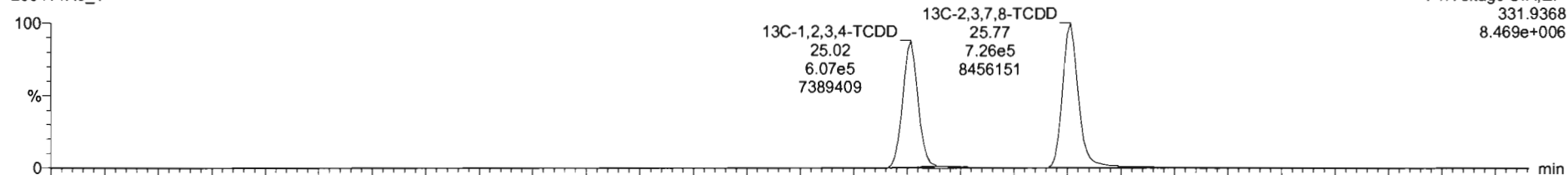
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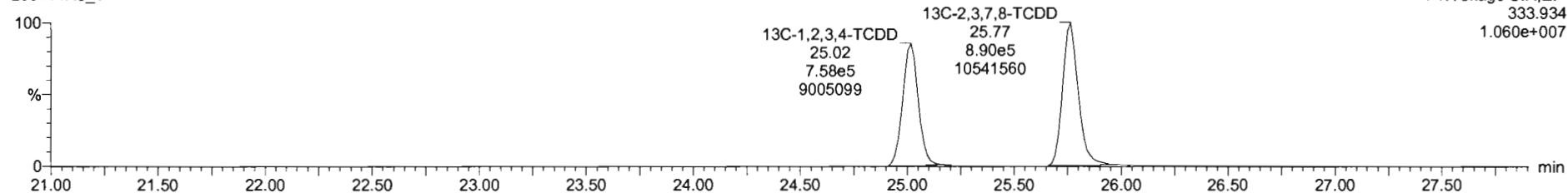


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200414R3_1



200414R3_1



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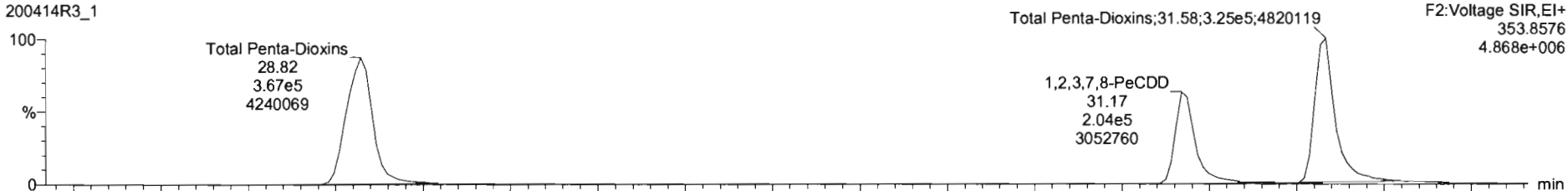
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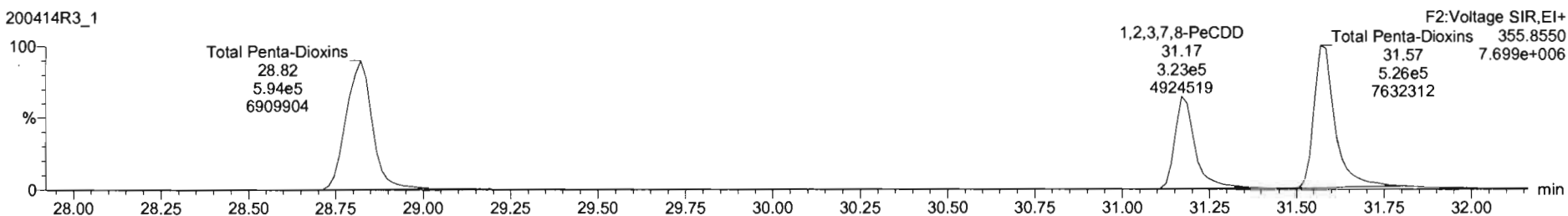
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1,2,3,7,8-PeCDD

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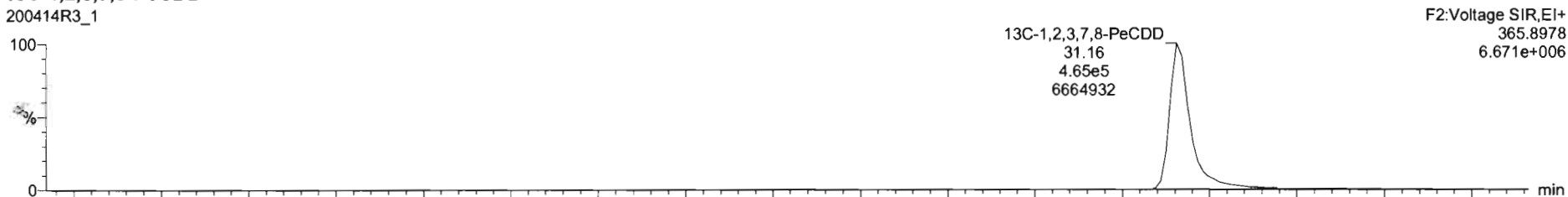


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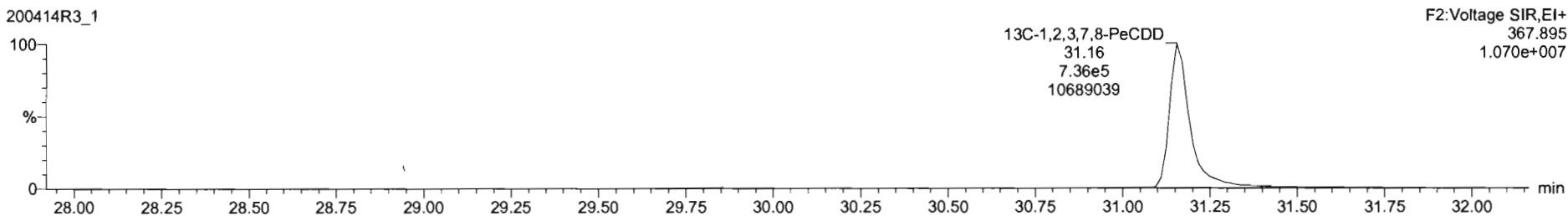


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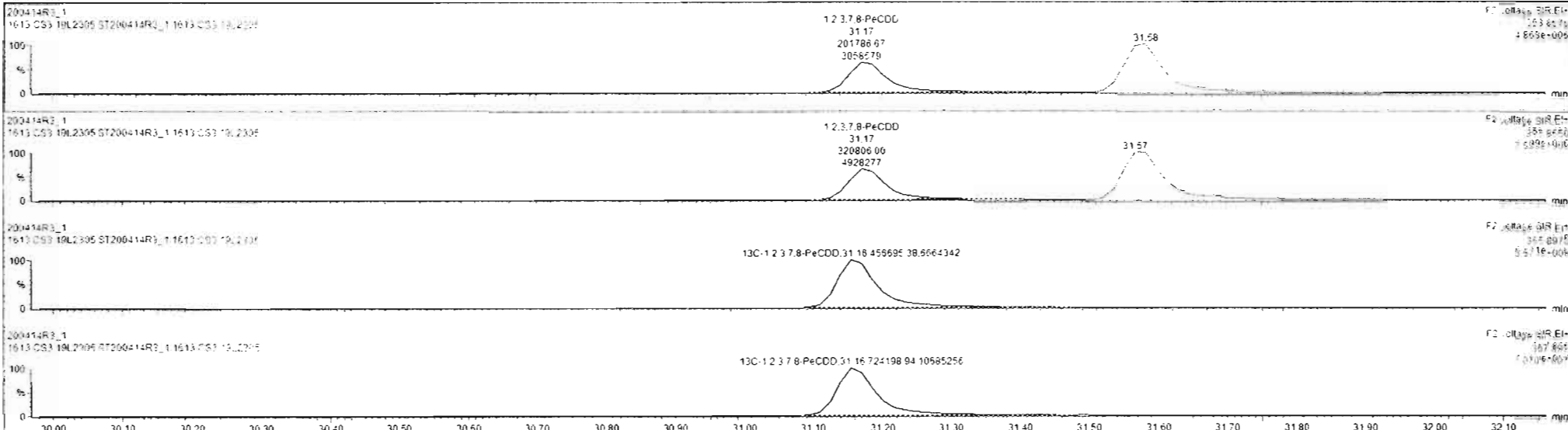
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200414R3_1



Name	Resp	RA	dy	RF	Vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.80	1.001	5.62	96.3	0.0586	5.82
2 1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3 1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.81	1.000	48.7	97.4	0.120	48.7
4 1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.118	46.1
5 1,2,3,7,8,9-HxCDD	4.82e5	1.05	NO	0.9674	1.000	34.99	1.001	43.5	87.1	0.153	43.5
6 1,2,3,4,7,8,9-HpCDD	3.78e5	1.01	NO	1.0061	1.000	36.41	1.000	44.7	89.3	0.254	44.7
7 OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	89.2	89.2	0.230	89.2
8 2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9 1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9594	1.000	29.80	1.000	48.0	95.0	0.0919	48.0
10 2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0035	1.000	30.85	1.000	47.9	95.7	0.0774	47.9
11 1,2,3,4,7,8-HxCDF	5.86e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12 1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	33.88	1.000	47.0	94.1	0.161	47.0
13 2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14 1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.5	0.264	45.8
15 1,2,3,4,7,8,9-HpCDF	4.75e5	1.01	NO	1.0463	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16 1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17 OCDF	7.59e5	0.88	NO	0.9465	1.000	41.56	1.000	92.6	90.8	0.159	90.6
18 13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.030	98.9	98.5	0.134	
19 13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20 13C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	34.60	1.014	86.1	86.1	0.166	
21 13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



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200414R3_1 CAP NUM

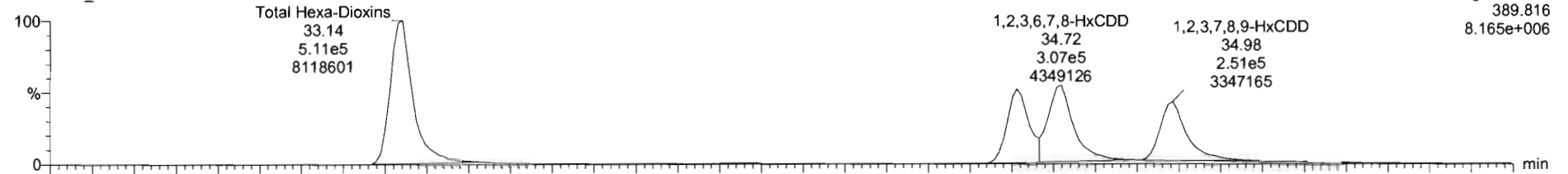
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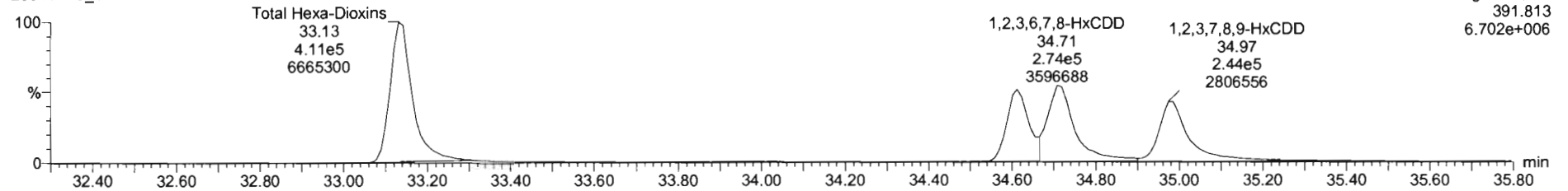
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200414R3_1

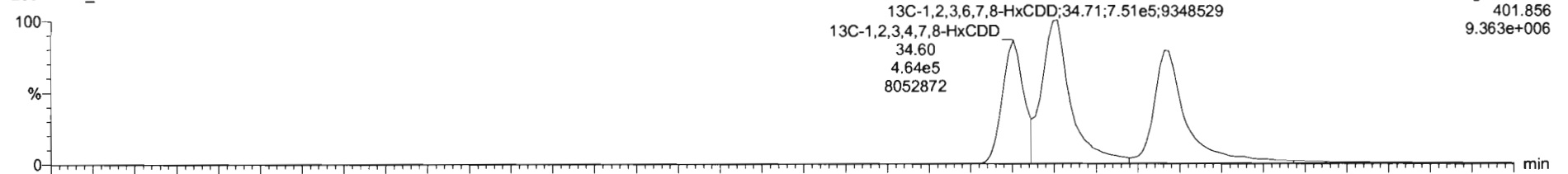


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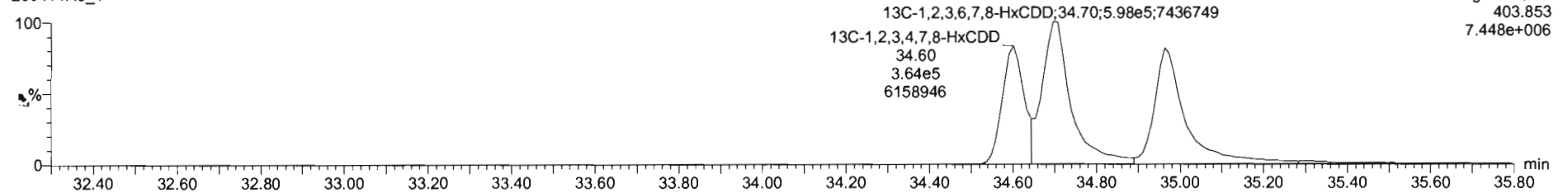


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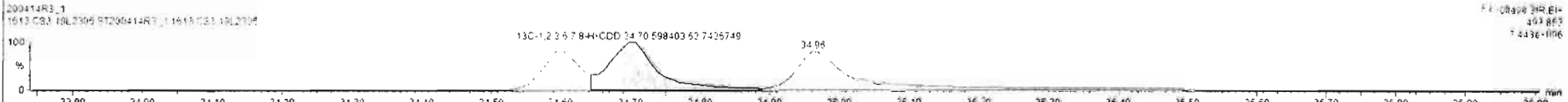
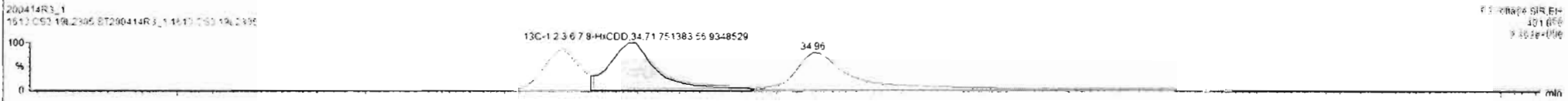
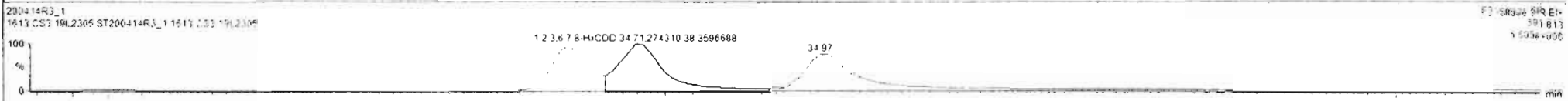
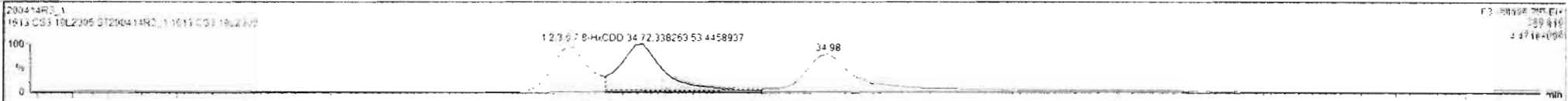
200414R3_1



200414R3_1



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.55e5	0.75	NO	0.9825	1.000	26.80	1.001	9.83	96.3	0.0586	9.83
2	1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	46.0	96.1	0.103	48.0
3	1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4	1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.118	46.1
5	1,2,3,7,8,9-HxCDD	4.82e5	1.09	NO	0.9674	1.000	34.95	1.001	43.5	87.1	0.153	43.5
6	1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	36.41	1.000	44.7	88.3	0.254	44.7
7	OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	59.2	89.2	0.230	59.2
8	2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9	1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9594	1.000	29.80	1.000	48.0	95.0	0.0919	48.0
10	2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0025	1.000	20.85	1.000	47.9	95.7	0.0774	47.9
11	1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12	1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	33.88	1.000	47.0	94.1	0.161	47.0
13	2,3,4,6,7,8-HpCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14	1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.5	0.264	45.8
15	1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0482	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16	1,2,3,4,7,8,9-HpCDF	2.73e5	1.02	NO	1.2099	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17	OCDF	7.59e5	0.88	NO	0.9468	1.000	41.68	1.000	90.6	90.8	0.159	90.8
18	13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.020	98.9	98.9	0.134	
19	13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.15	1.245	100	100	0.120	
20	13C-1,2,3,4,7,8-HxCDD	2.28e6	1.27	NO	0.7529	1.000	34.60	1.014	86.1	86.1	0.196	
21	13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	

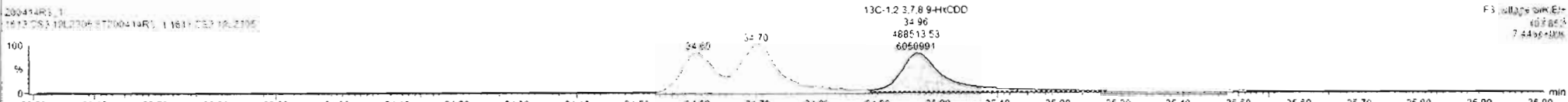
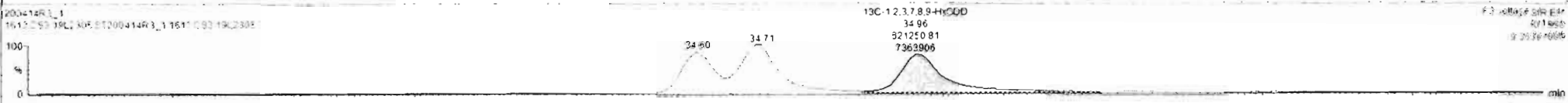
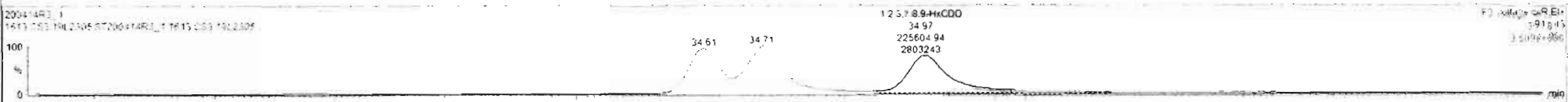
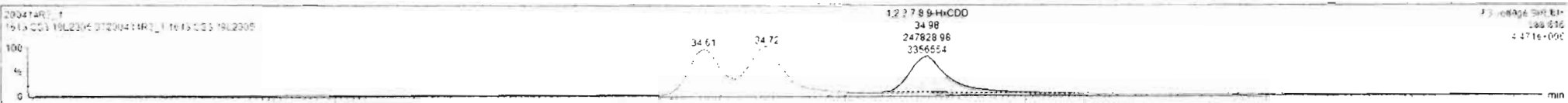


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200414R3_1

CAP_NUM

Name	Resp	RA	ntf	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.56e5	0.75	NO	0.9835	1.000	25.80	1.001	9.83	96.3	0.0586	9.83
2 1,2,3,7,8-PeCDD	5.23e5	0.83	NO	0.9212	1.000	31.17	1.000	46.0	96.1	0.103	46.0
3 1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	24.61	1.000	48.7	97.4	0.120	48.7
4 1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.118	46.1
5 1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9874	1.000	34.98	1.001	44.1	86.2	0.153	44.1
6 1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	38.41	1.000	44.7	86.3	0.254	44.7
7 OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	86.2	89.2	0.230	86.2
8 2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9 1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9594	1.000	29.80	1.000	48.0	96.0	0.0919	48.0
10 2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0035	1.000	30.85	1.000	47.9	95.7	0.0774	47.9
11 1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12 1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	32.88	1.000	47.0	94.1	0.161	47.0
13 2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14 1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0258	1.000	35.33	1.001	45.8	91.5	0.264	45.8
15 1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16 1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17 OCDF	7.59e5	0.88	NO	0.9458	1.000	41.58	1.000	90.5	90.6	0.159	90.6
18 13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.000	98.8	96.5	0.134	98.8
19 13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.126	100
20 13C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	24.60	1.014	86.1	86.1	0.166	86.1
21 13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	114



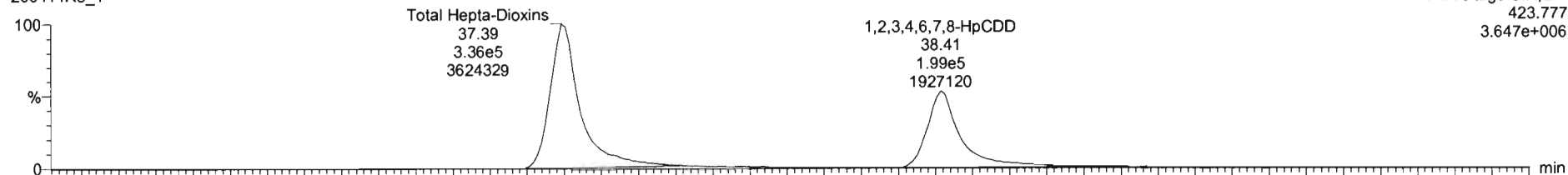
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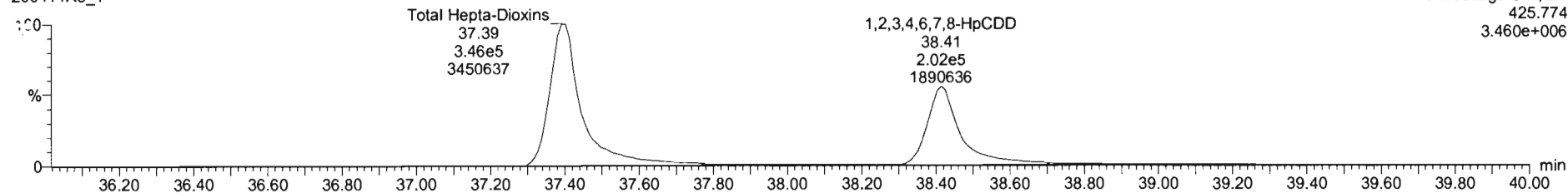
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200414R3_1

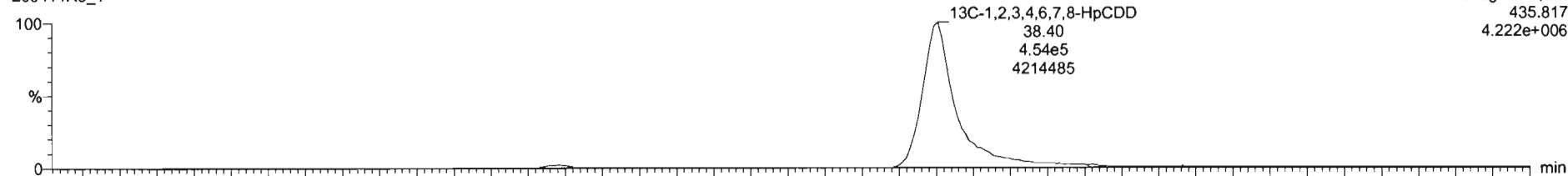


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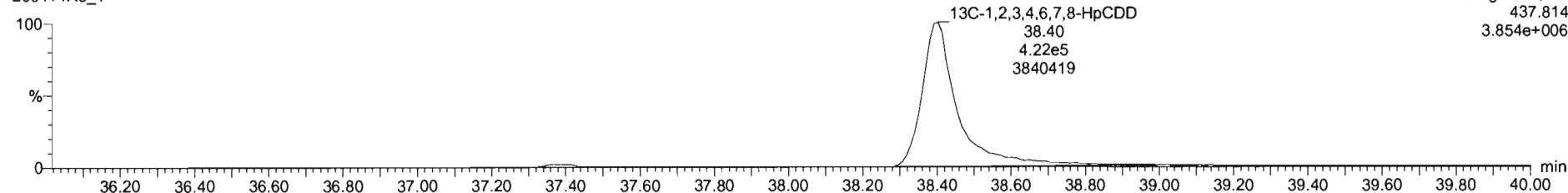


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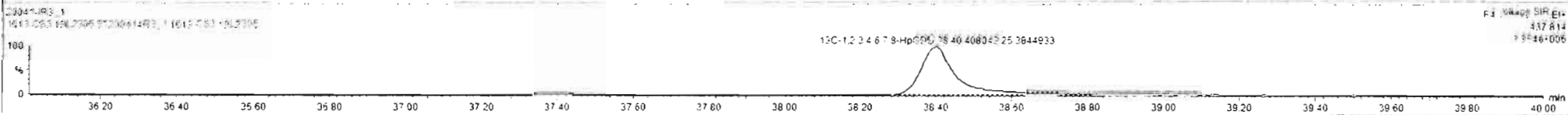
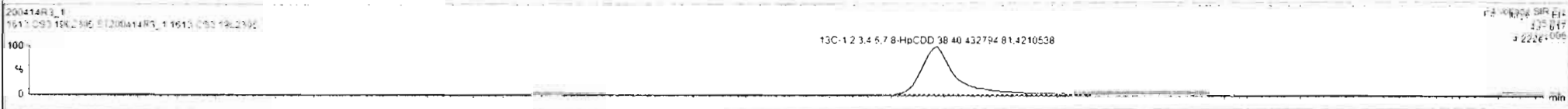
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200414R3_1



Name	Resp	RA	n/y	RRF	w/wgt	RT	RRT	Conc	%Rec	DL	ELPC
1 2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.85	1.001	9.83	98.3	0.0586	9.83
2 1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3 1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4 1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.116	46.1
5 1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9574	1.000	34.98	1.001	44.1	86.2	0.153	44.1
6 1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0081	1.000	36.41	1.000	44.7	89.3	0.254	44.7
7 OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	89.2	89.2	0.230	89.2
8 2,3,7,8-TCDF	1.64e5	0.76	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9 1,2,3,7,8-PeCDF	6.28e5	1.57	NO	0.9554	1.000	29.80	1.000	49.0	96.0	0.0619	49.0
10 2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0035	1.000	30.85	1.000	47.6	95.7	0.0774	47.9
11 1,2,3,4,7,8-HxCDF	5.65e5	1.22	NO	1.0361	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12 1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0120	1.000	33.88	1.000	47.0	94.1	0.161	47.0
13 2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14 1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.9	91.5	0.264	45.8
15 1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16 1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2059	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17 OCDF	7.59e5	0.68	NO	0.9488	1.000	41.66	1.000	90.6	90.6	0.159	90.6
18 13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1542	1.000	25.77	1.030	98.9	96.9	0.134	
19 13C-1,2,3,7,8-PeCDD	1.18e5	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20 13C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	34.80	1.014	86.1	86.1	0.166	
21 13C-1,2,3,6,7,8-HxCDD	1.35e5	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	

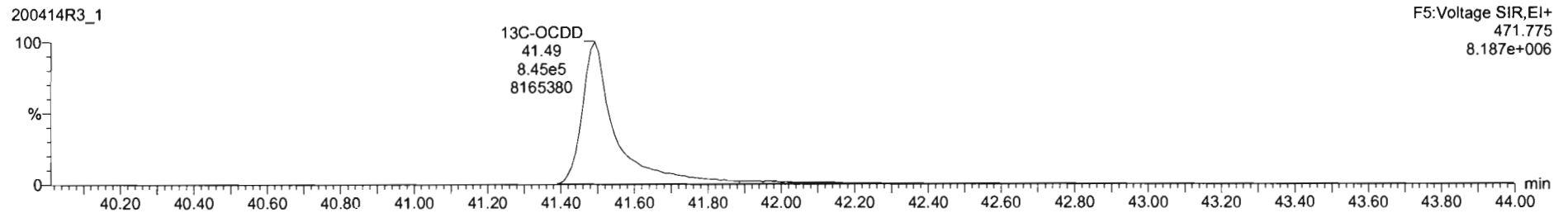
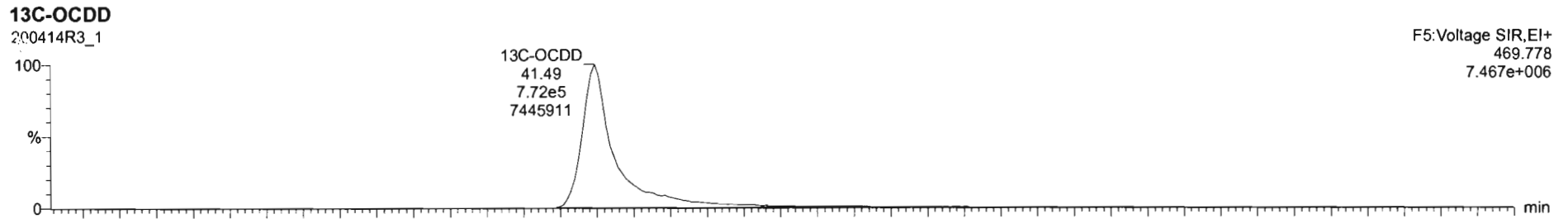
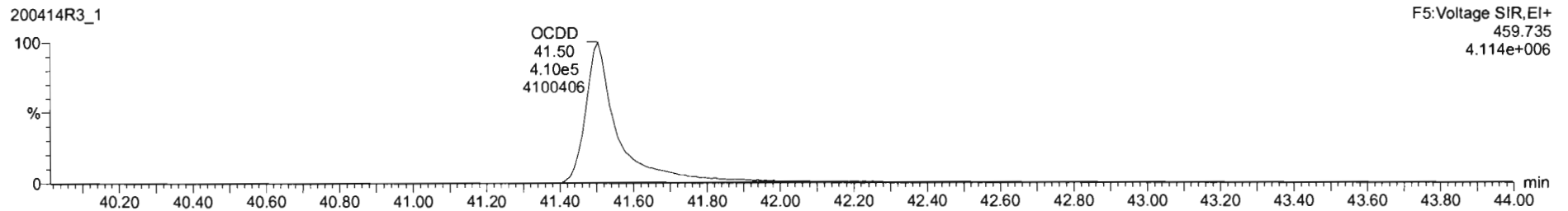
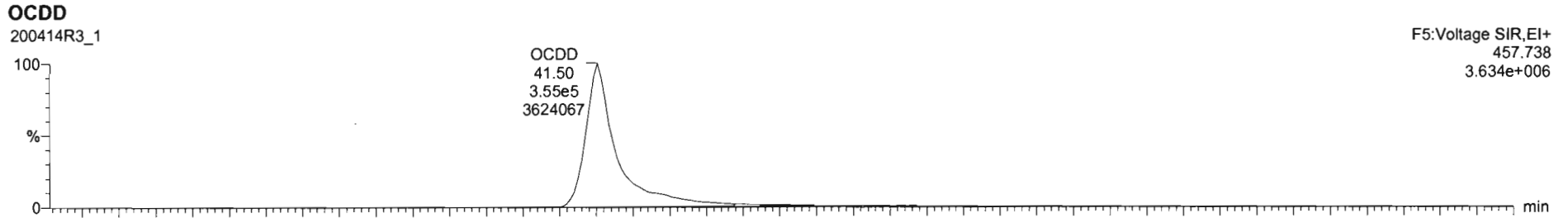


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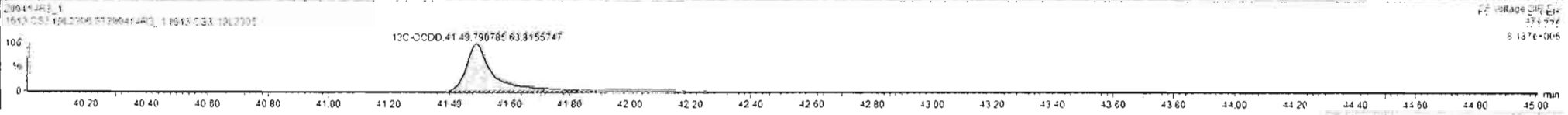
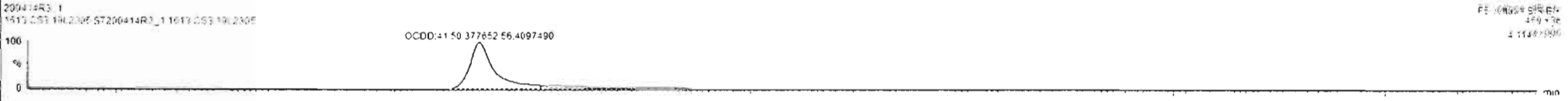
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Name: 200414R3_1, Date: 14-Apr-2020, Time: 14:49:27, ID: ST200414R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.80	1.001	9.82	98.3	0.0586	9.83
2 1,2,3,7,8-PeCDD	5.23e5	0.83	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3 1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4 1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.118	46.1
5 1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9674	1.000	34.98	1.001	44.1	86.2	0.153	44.1
6 1,2,3,4,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	36.41	1.000	44.7	89.3	0.254	44.7
7 OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	80.2	88.2	0.230	80.2
8 2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.2	0.0416	8.73
9 1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9594	1.000	29.80	1.000	48.0	96.0	0.0519	48.0
10 2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0035	1.000	30.85	1.000	47.9	95.7	0.0774	47.9
11 1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12 1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	33.88	1.000	47.0	94.1	0.161	47.0
13 2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	88.0	0.173	44.5
14 1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0288	1.000	35.33	1.001	45.8	91.5	0.264	45.8
15 1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16 1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17 OCDF	7.59e5	0.86	NO	0.9458	1.000	41.68	1.000	90.6	90.6	0.159	90.6
18 1,3C-2,3,7,8-TCDD	1.60e8	0.80	NO	1.1842	1.000	25.77	1.030	95.9	96.9	0.134	
19 1,3C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20 1,3C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	34.60	1.014	56.1	56.1	0.166	
21 1,3C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.176	



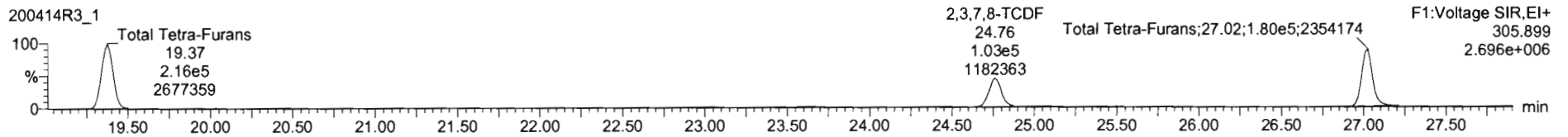
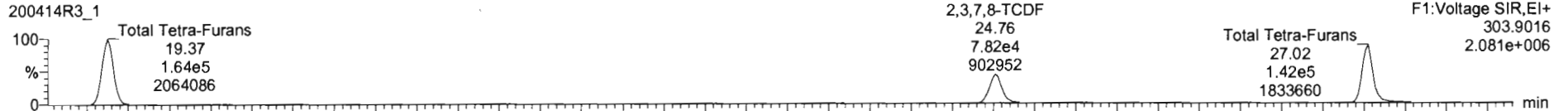
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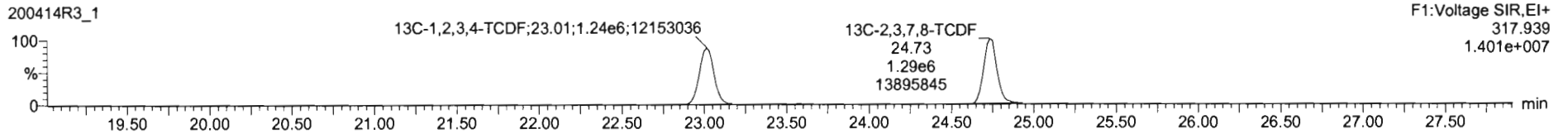
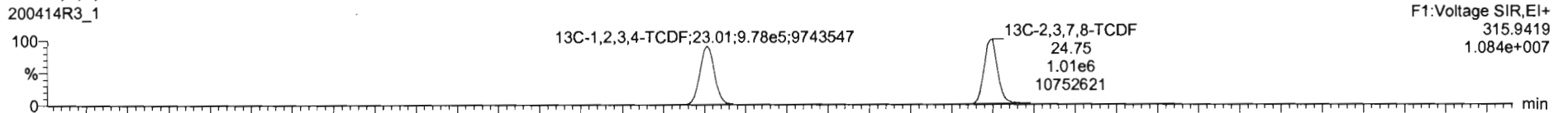
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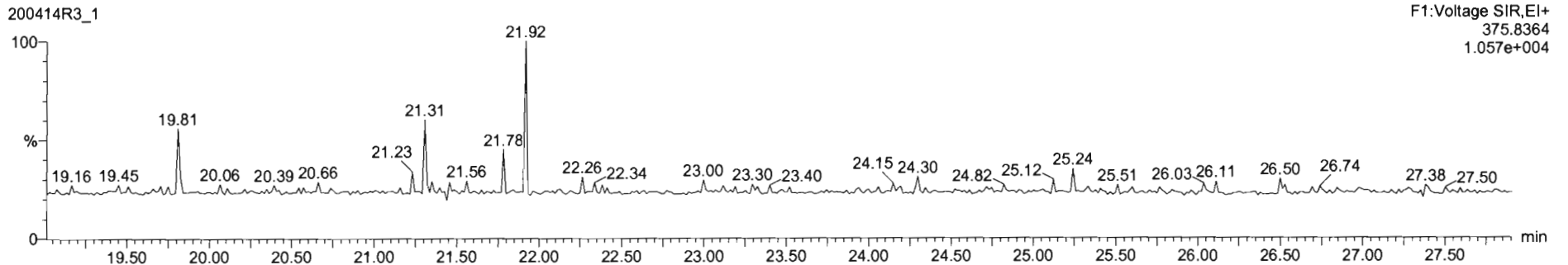
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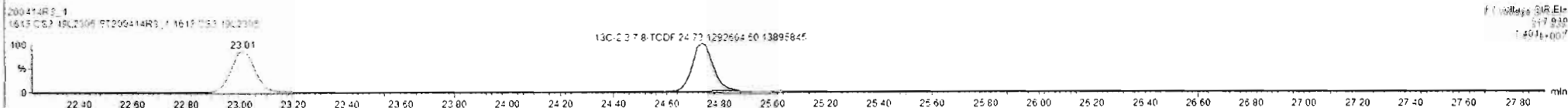
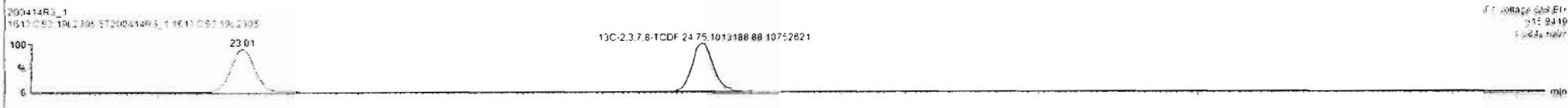
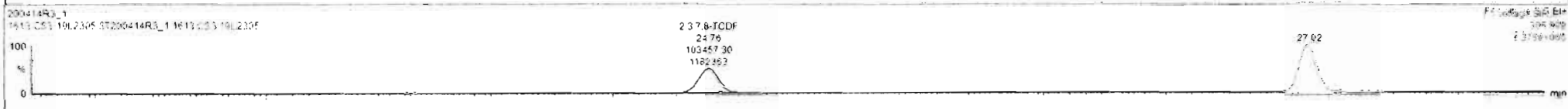
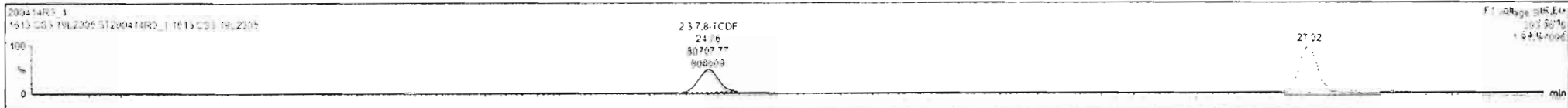
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DPE1



SI	Name	Resp	RA	n/y	RIR	w/ret	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.80	1.001	9.63	96.3	0.0586	5.83
2	1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3	1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	24.61	1.000	48.7	97.4	0.120	48.7
4	1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.116	46.1
5	1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9674	1.000	34.98	1.001	44.1	88.2	0.153	44.1
6	1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	36.41	1.000	44.7	89.3	0.254	44.7
7	OCDD	7.08e5	0.87	NO	1.0615	1.000	41.50	1.000	89.2	89.2	0.230	89.2
8	2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	6.73	67.3	0.0418	6.73
9	1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9564	1.000	29.80	1.000	48.0	96.0	0.0919	48.0
10	2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0335	1.000	20.55	1.000	47.9	95.7	0.0774	47.9
11	1,2,3,4,7,8-HxCDF	5.65e5	1.22	NO	1.0381	1.000	23.76	1.000	46.7	93.4	0.165	46.7
12	1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	33.88	1.000	47.0	94.1	0.161	47.0
13	2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14	1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.23	1.001	45.8	91.5	0.264	45.8
15	1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16	1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17	OCDF	7.59e5	0.88	NO	0.9466	1.000	41.68	1.000	90.8	90.8	0.159	90.8
18	13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.030	50.9	96.9	0.134	
19	13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20	13C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	24.60	1.014	86.1	86.1	0.166	
21	13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



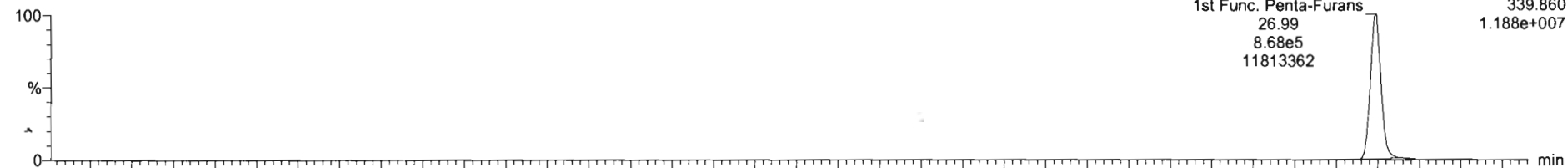
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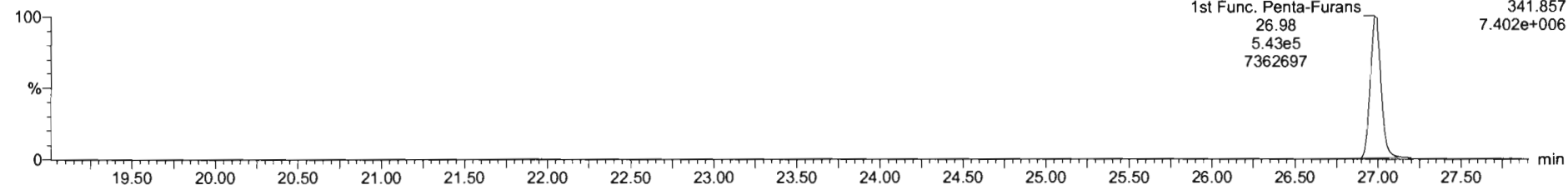
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200414R3_1

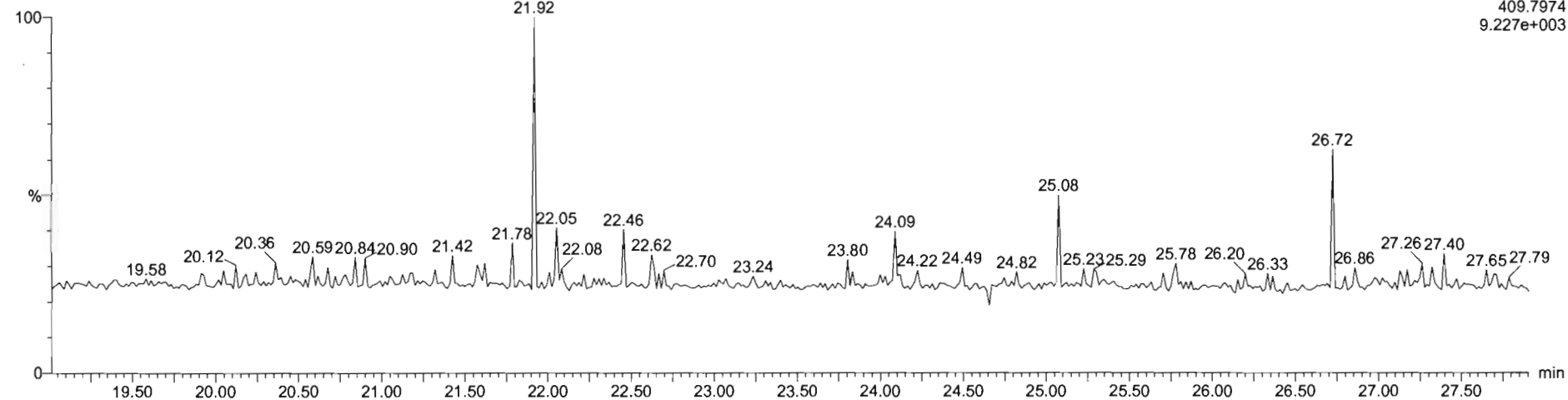


200414R3_1



DPE6

200414R3_1



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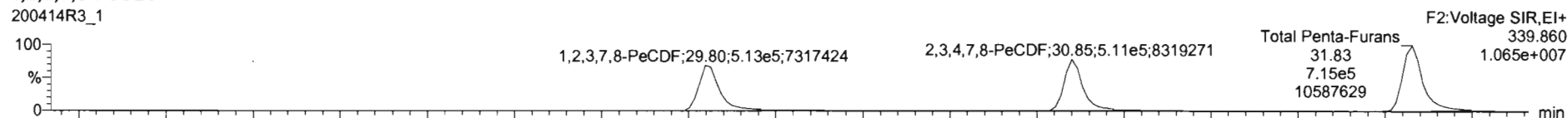
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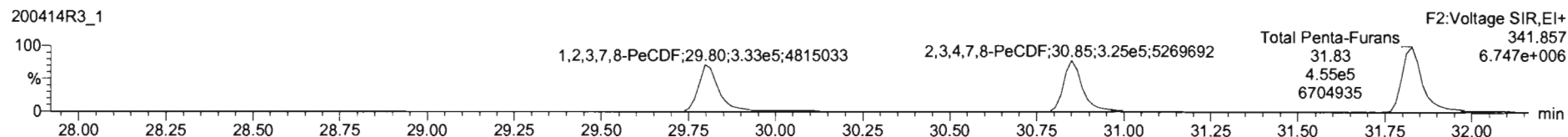
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1,2,3,7,8-PeCDF

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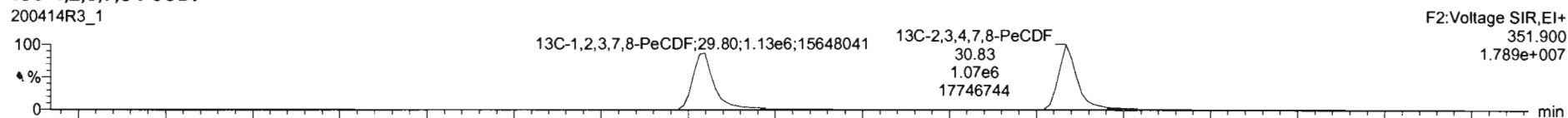


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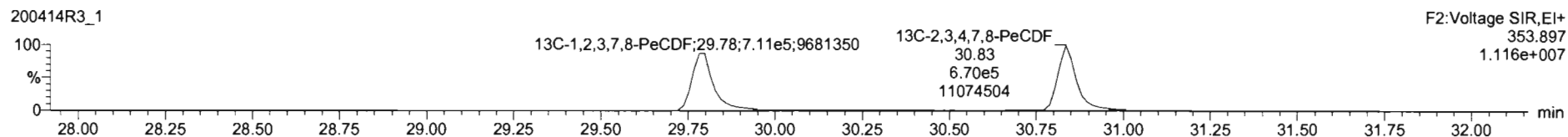


13C-1,2,3,7,8-PeCDF

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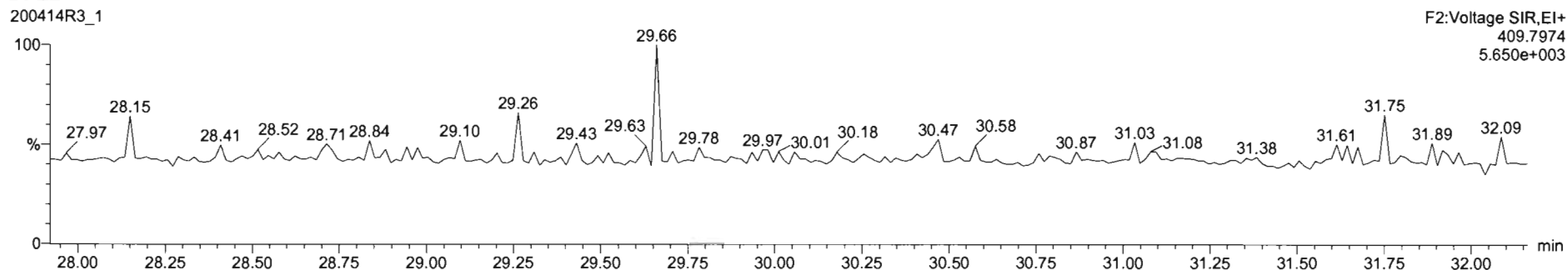


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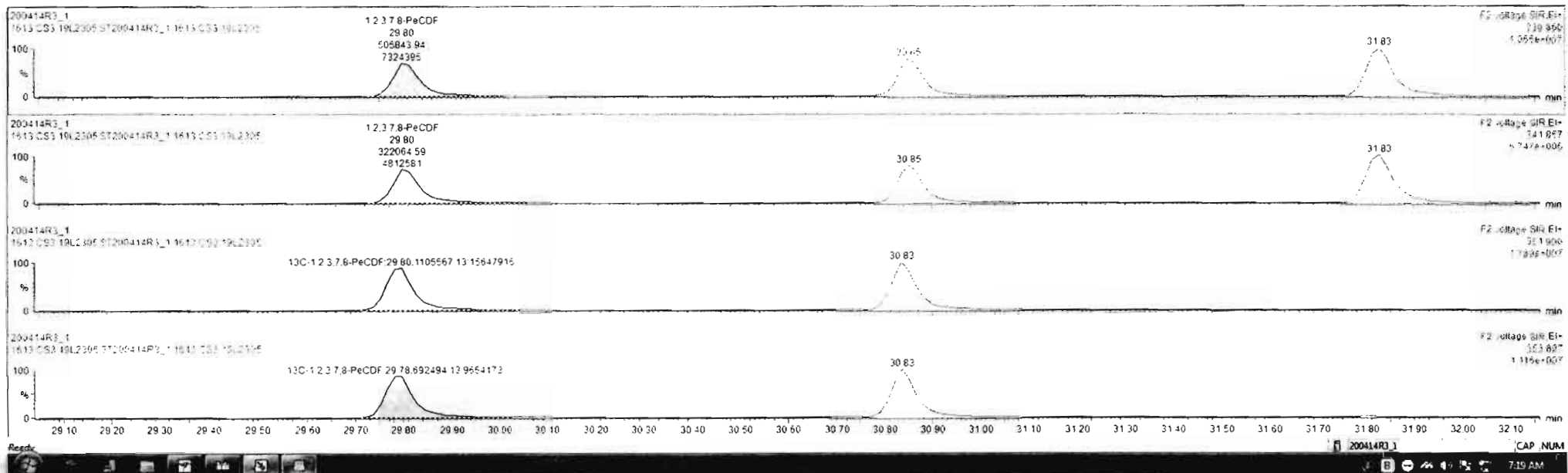


DPE2

200414R3_1



ID	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.80	1.001	9.83	96.2	0.0586	5.83
2	1,2,3,7,8-PeCDF	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3	1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4	1,2,3,6,7,8-HxCDD	6.13e5	1.23	NO	0.9844	1.000	24.72	1.000	46.1	92.2	0.118	46.1
5	1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9674	1.000	34.98	1.001	44.1	85.2	0.153	44.1
6	1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0561	1.000	36.41	1.000	44.7	89.3	0.254	44.7
7	OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	89.2	89.2	0.230	89.2
8	2,3,7,8-TCDF	1.64e5	0.78	NO	0.9154	1.000	24.76	1.001	5.73	87.3	0.0416	8.73
9	1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9594	1.000	29.80	1.000	48.0	96.0	0.0919	48.0
10	2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0035	1.000	20.85	1.000	47.9	95.7	0.0774	47.9
11	1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	23.76	1.000	46.7	93.4	0.165	46.7
12	1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	32.68	1.000	47.0	94.1	0.161	47.0
13	2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14	1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.1	0.264	45.8
15	1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16	1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2059	1.000	39.03	1.000	45.3	90.7	0.164	45.3
17	OCDF	7.59e5	0.88	NO	0.9488	1.000	41.58	1.000	99.8	96.6	0.159	99.8
18	13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.030	98.9	96.6	0.124	
19	13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.126	
20	13C-1,2,3,4,7,8-HxCDD	8.28e5	1.21	NO	0.7539	1.000	24.65	1.014	86.1	86.1	0.166	
21	13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



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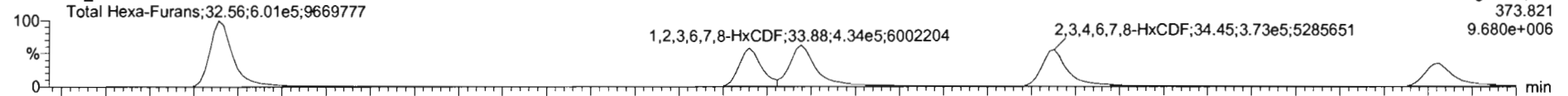
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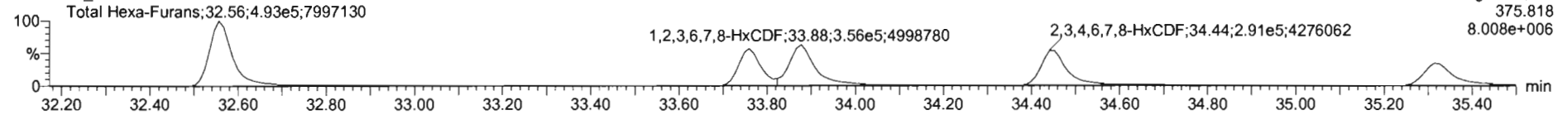
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1,2,3,4,7,8-HxCDF

200414R3_1

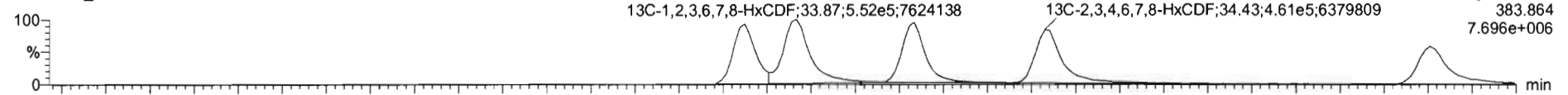


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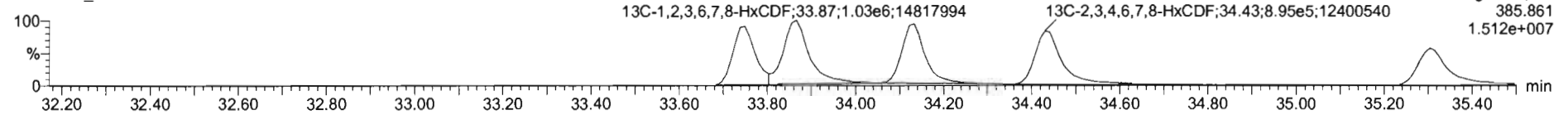


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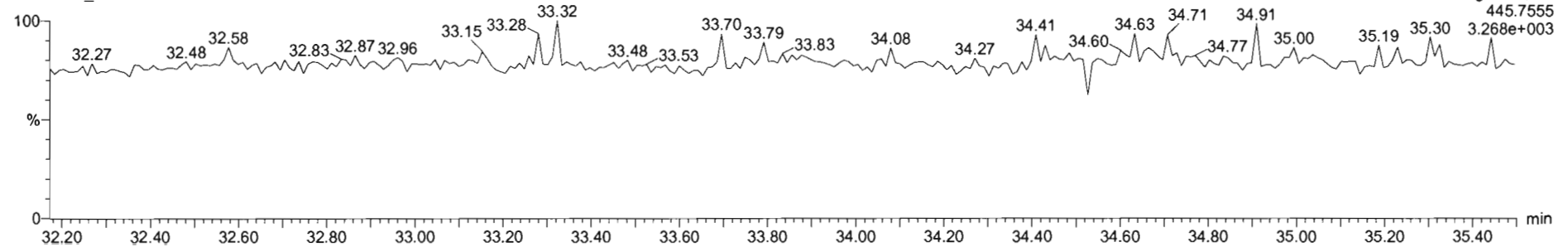


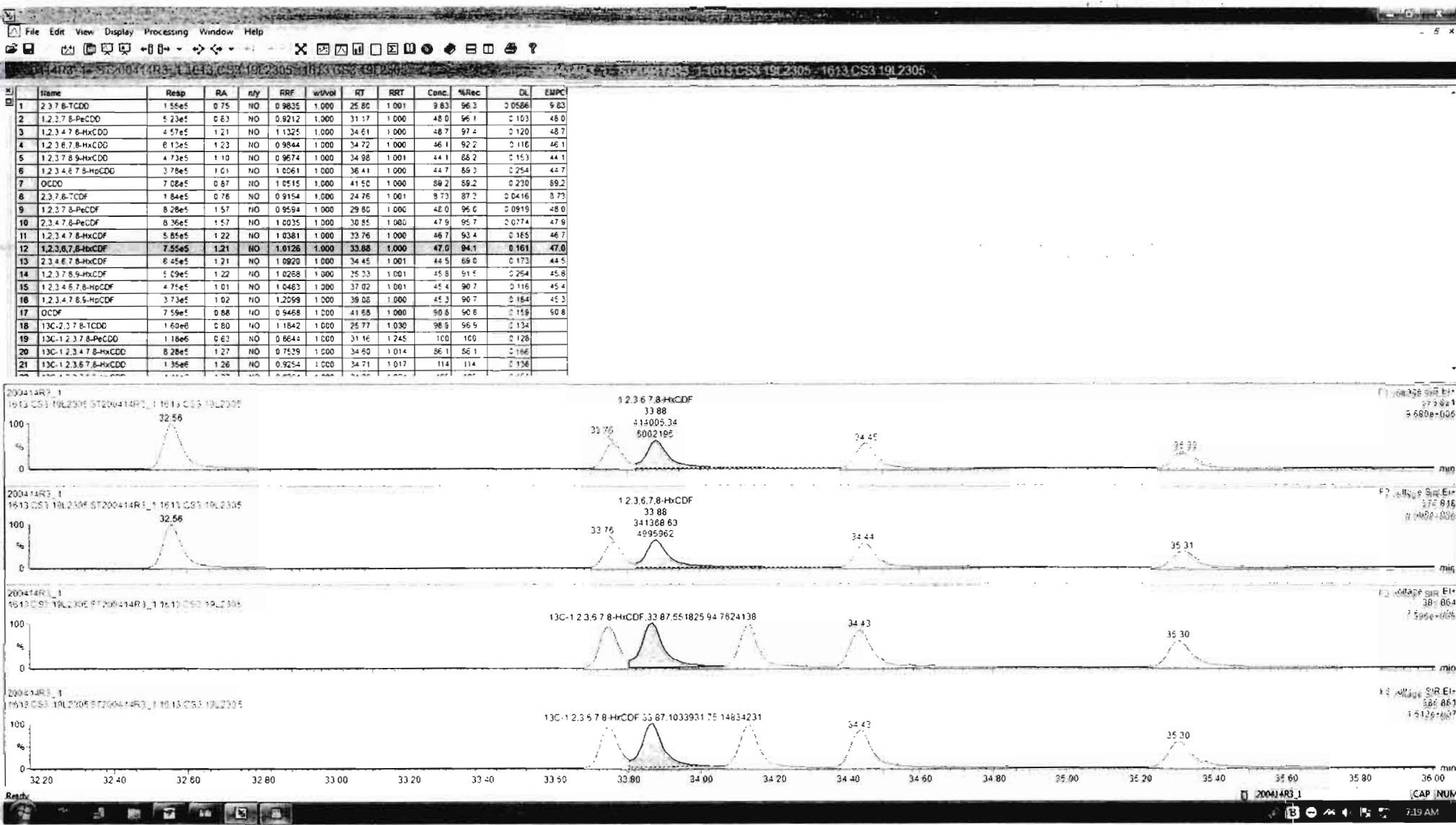
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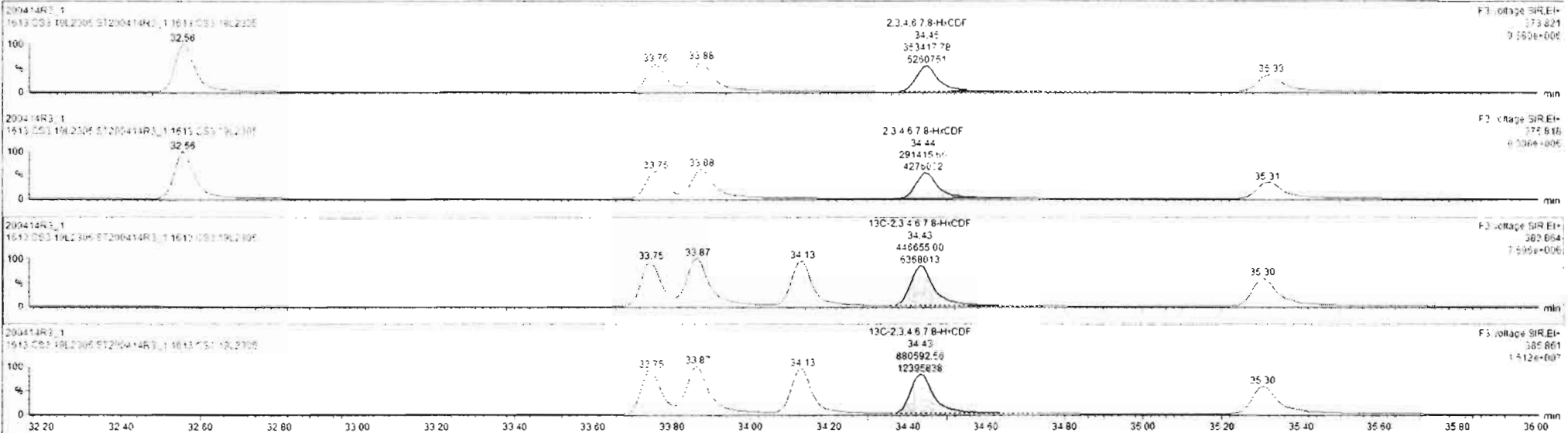
DPE3

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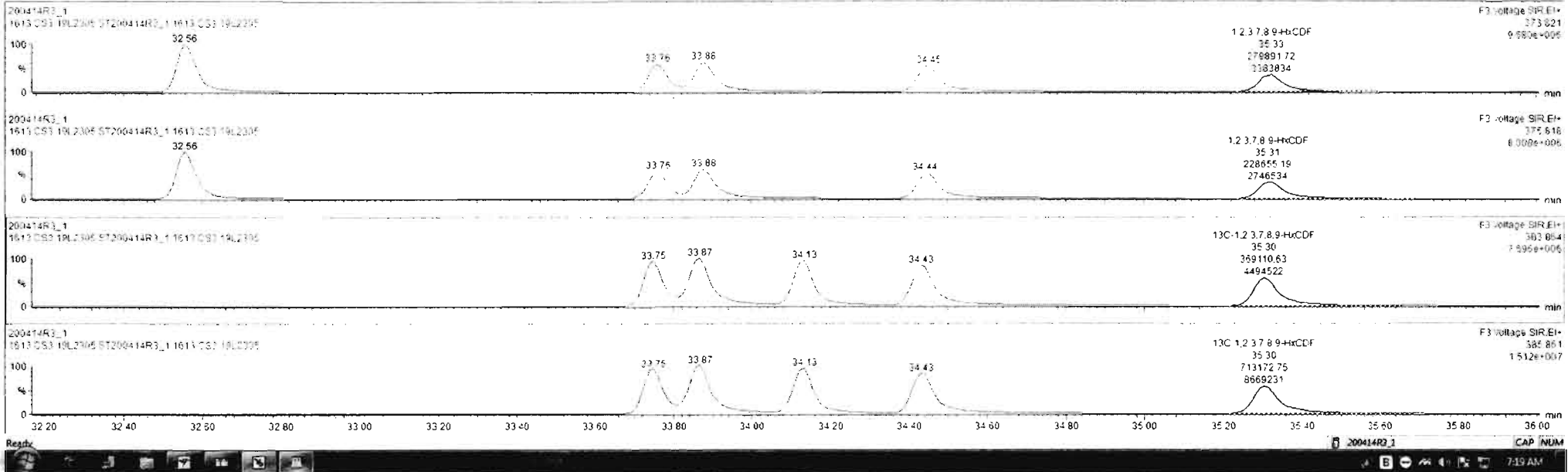
Name	Resp	RA	n/y	RRF	wt/wgt	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.56e5	0.75	NO	0.9835	1.000	25.80	1.001	9.83	98.3	0.0586	9.83
2 1,2,3,7,8-PeCDD	5.23e5	0.83	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3 1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4 1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.116	46.1
5 1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9574	1.000	34.93	1.001	44.1	88.2	0.153	44.1
6 1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	36.41	1.000	44.7	89.3	0.254	44.7
7 OCDD	7.08e5	0.87	NO	1.0115	1.000	41.50	1.000	86.2	89.2	0.230	89.2
8 2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9 1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9554	1.000	29.80	1.000	48.0	96.0	0.0915	48.0
10 2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0025	1.000	29.55	1.000	47.9	95.7	0.0774	47.9
11 1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.185	46.7
12 1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	33.88	1.000	47.0	94.1	0.181	47.0
13 2,3,4,6,7,8-HpCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14 1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.5	0.254	45.8
15 1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16 1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.02	1.000	45.3	90.7	0.164	45.3
17 OCDF	7.59e5	0.88	NO	0.9468	1.000	41.88	1.000	90.8	90.8	0.159	90.8
18 13C-2,3,7,8-TCDD	1.60e8	0.80	NO	1.1842	1.000	25.77	1.030	98.9	98.9	0.134	
19 13C-1,2,3,7,8-PeCDD	1.18e6	0.83	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20 13C-1,2,3,4,7,8-HxCDD	2.28e5	1.27	NO	0.7538	1.000	34.80	1.014	66.1	66.1	0.166	
21 13C-1,2,3,6,7,8-HxCDD	1.35e5	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



Custom Reporting: Select reports to generate

200414R3_1 CAP NUM

Name	Resp	RA	nty	RRF	wtVcl	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.80	1.001	9.83	98.3	0.0586	9.83
2 1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3 1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4 1,2,3,6,7,8-HxCDD	6.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.118	46.1
5 1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9674	1.000	34.98	1.001	44.1	88.2	0.153	44.1
6 1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	36.41	1.000	44.7	86.3	0.254	44.7
7 OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	86.2	89.2	0.230	86.2
8 2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9 1,2,3,7,8-PeCDF	8.26e5	1.57	NO	0.8594	1.000	29.80	1.000	48.0	96.0	0.0915	48.0
10 2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0025	1.000	30.85	1.000	47.9	95.7	0.0774	47.9
11 1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0361	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12 1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	33.88	1.000	47.0	94.1	0.161	47.0
13 2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14 1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.5	0.264	45.8
15 1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16 1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2059	1.000	39.08	1.000	45.3	90.7	0.184	45.3
17 OCDF	7.59e5	0.88	NO	0.9468	1.000	41.68	1.000	90.8	90.8	0.159	90.8
18 13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.030	98.9	96.5	0.134	
19 13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20 13C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7529	1.000	24.60	1.014	86.1	86.1	0.166	
21 13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



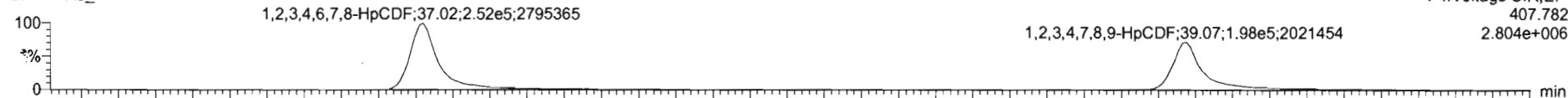
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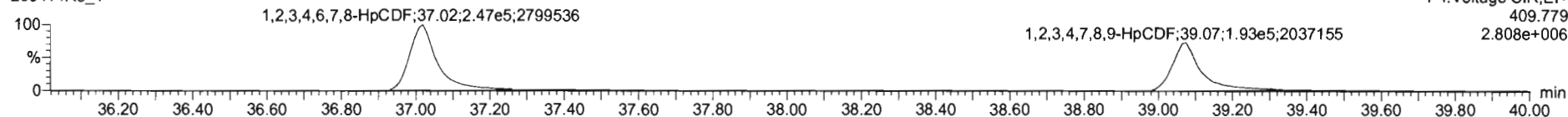
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2.804e+006

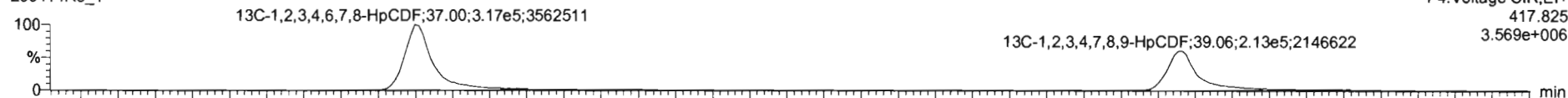
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2.808e+006

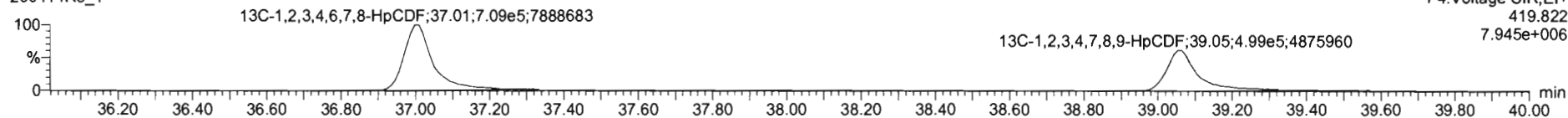
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F4: Voltage SIR, EI+
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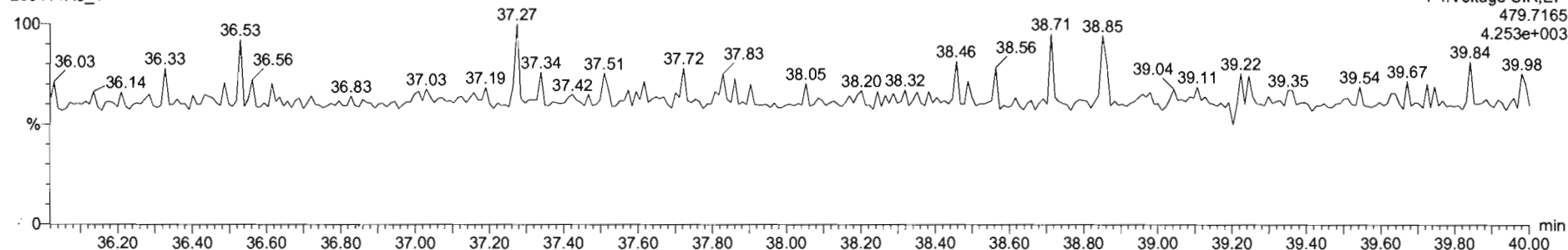
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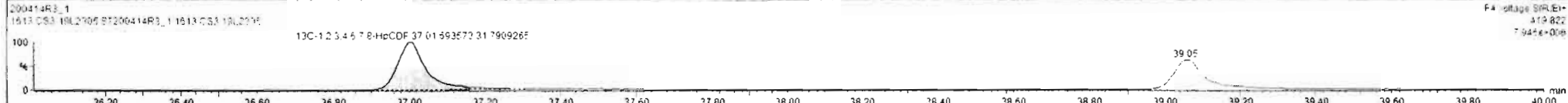
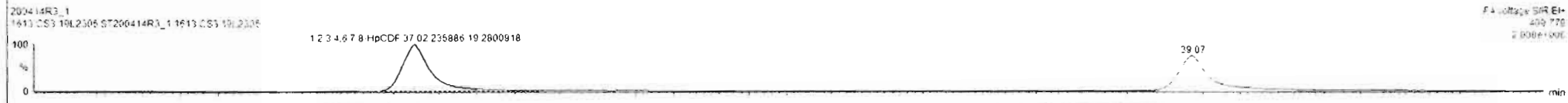
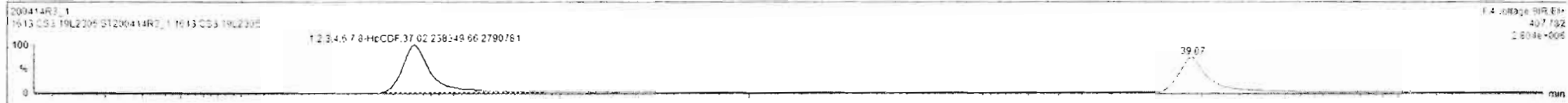
DPE4

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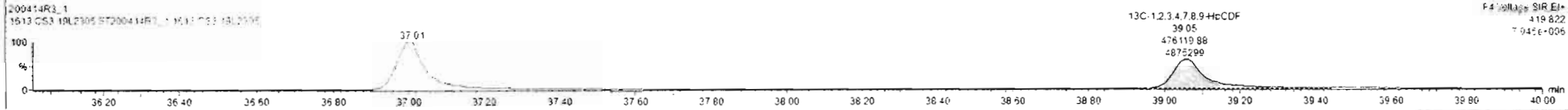
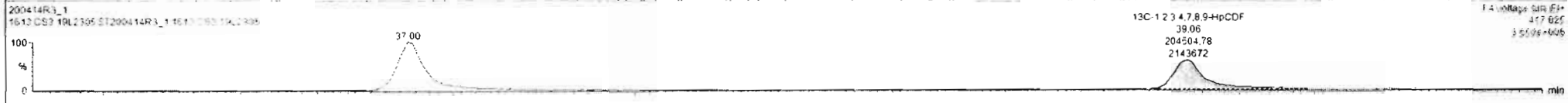


F4: Voltage SIR, EI+
479.7165
4.253e+003

N	Name	Resp	RA	n/y	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.80	1.001	9.63	96.3	0.0586	5.83
2	1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3	1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4	1,2,3,6,7,8-HxCDD	6.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.116	46.1
5	1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9674	1.000	34.98	1.001	44.1	88.2	0.153	44.1
6	1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	38.41	1.000	44.7	95.3	0.254	44.7
7	OCDD	7.06e5	0.87	NO	1.0515	1.000	41.50	1.000	89.2	89.2	0.230	89.2
8	2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.78	1.001	8.73	87.3	0.0416	8.73
9	1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9564	1.000	29.90	1.000	48.0	96.0	0.0919	48.0
10	2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0025	1.000	30.85	1.000	47.9	95.7	0.0774	47.9
11	1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0301	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12	1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	32.88	1.000	47.0	94.1	0.161	47.0
13	2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	99.0	0.173	44.5
14	1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.23	1.001	45.8	91.5	0.264	45.8
15	1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16	1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.08	1.000	45.3	90.7	0.184	45.3
17	OCDF	7.59e5	0.88	NO	0.9458	1.000	41.58	1.000	90.8	90.8	0.159	90.8
18	1,3C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.030	98.9	96.5	0.134	
19	1,3C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20	1,3C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	34.90	1.014	58.1	86.1	0.166	
21	1,3C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



SI	Name	Resp	RA	n/y	RRF	wVot	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.55e5	0.75	NO	0.9835	1.000	25.80	1.001	9.63	96.3	0.0586	5.83
2	1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3	1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4	1,2,3,6,7,8-HxCDD	6.17e5	1.23	NO	0.9844	1.000	34.72	1.000	48.1	92.2	0.116	48.1
5	1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9674	1.000	34.98	1.001	44.1	88.2	0.153	44.1
6	1,2,3,4,6,7,8-HpCDD	3.76e5	1.01	NO	1.0061	1.000	36.41	1.000	44.7	89.3	0.254	44.7
7	OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	89.2	89.2	0.230	89.2
8	2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9	1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9564	1.000	29.80	1.000	48.0	96.0	0.0919	48.0
10	2,3,4,7,8-PeCDF	6.36e5	1.57	NO	1.0025	1.000	30.85	1.000	47.9	95.7	0.0774	47.9
11	1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.155	46.7
12	1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0128	1.000	33.88	1.000	47.0	94.1	0.161	47.0
13	2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14	1,2,3,7,8,9-HxCDF	5.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.5	0.264	45.8
15	1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0482	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16	1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2090	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17	OCDF	7.59e5	0.88	NO	0.9489	1.000	41.68	1.000	90.8	90.8	0.158	90.8
18	13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	25.77	1.030	98.9	98.9	0.134	
19	13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20	13C-1,2,3,4,7,8-HxCDD	8.28e5	1.27	NO	0.7539	1.000	34.60	1.014	86.1	86.1	0.168	
21	13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



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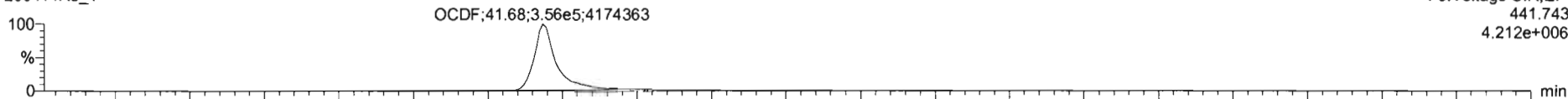
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Printed: Wednesday, April 15, 2020 07:21:04 Pacific Daylight Time

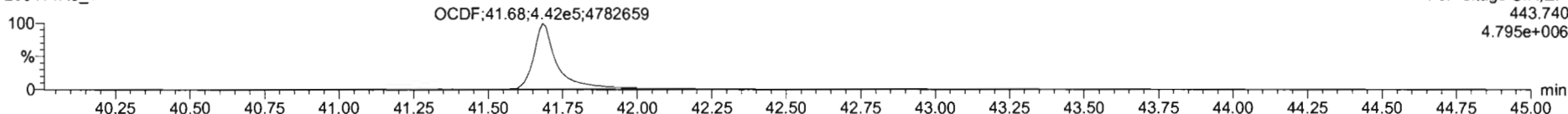
Name: 200414R3_1, Date: 14-Apr-2020, Time: 14:49:27, ID: ST200414R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

OCDF

200414R3_1

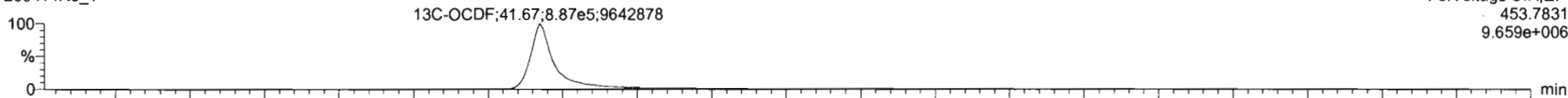


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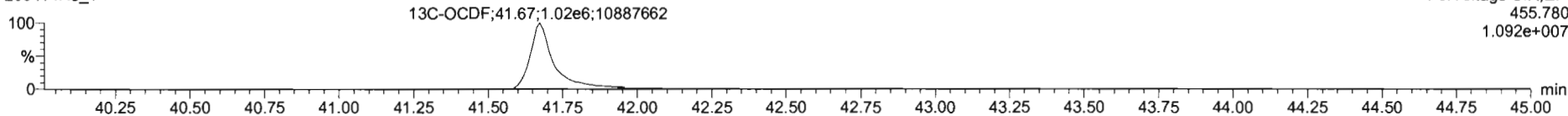


¹³C-OCDF

200414R3_1

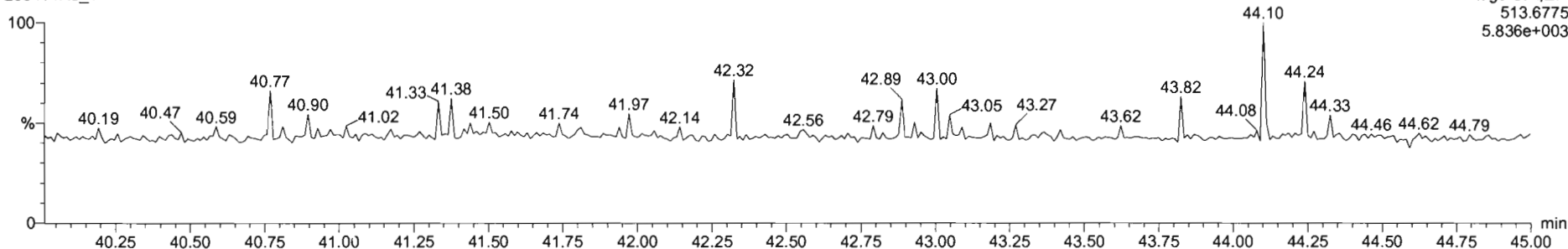


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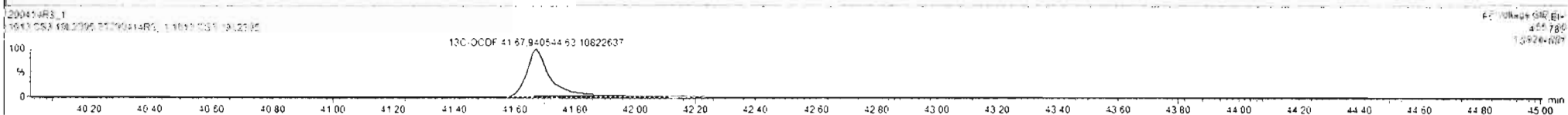
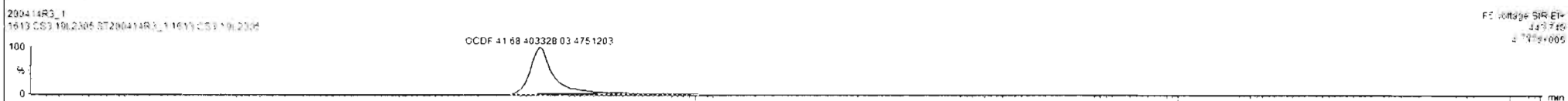


DPE5

200414R3_1



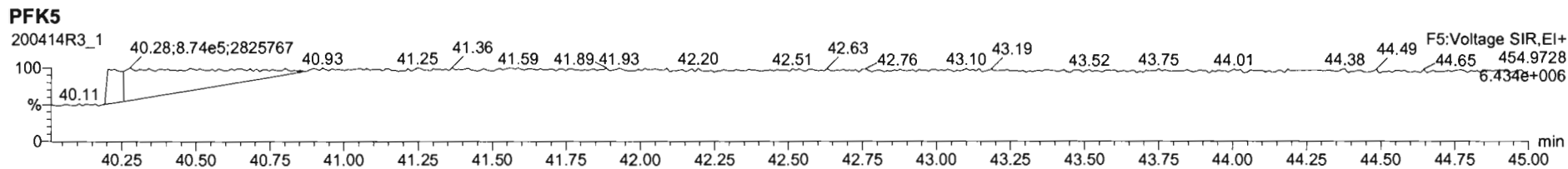
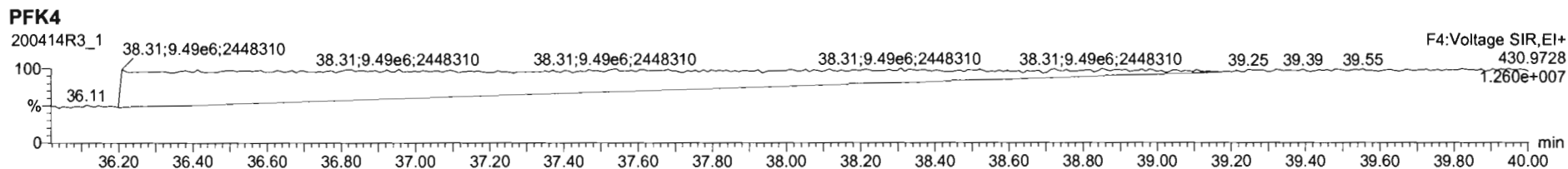
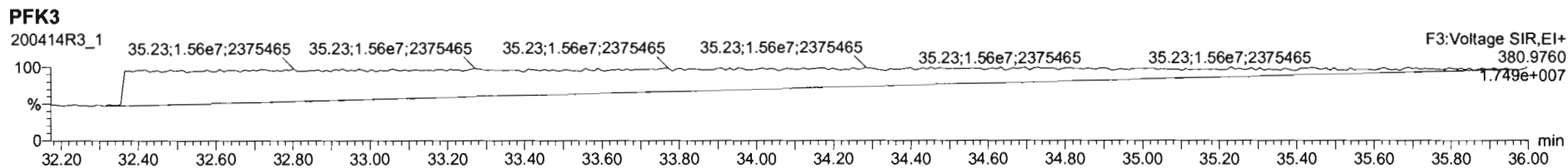
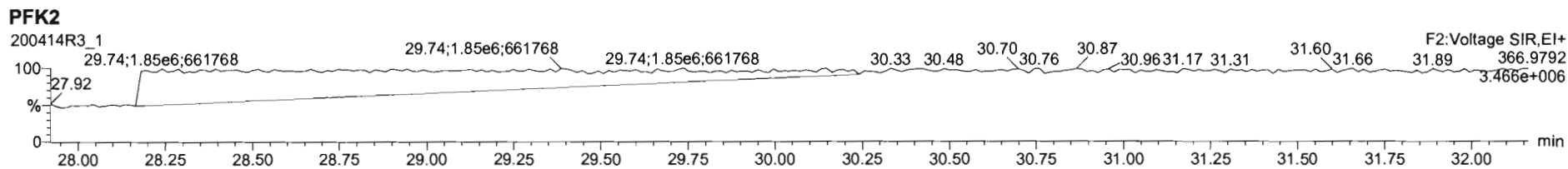
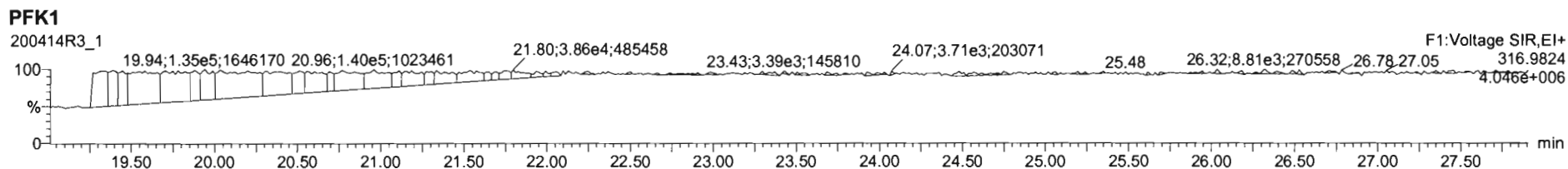
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2	1,2,3,7,8-PeCDD	5.23e5	0.63	NO	0.9212	1.000	31.17	1.000	48.0	96.1	0.103	48.0
3	1,2,3,4,7,8-HxCDD	4.57e5	1.21	NO	1.1325	1.000	34.61	1.000	48.7	97.4	0.120	48.7
4	1,2,3,6,7,8-HxCDD	8.13e5	1.23	NO	0.9844	1.000	34.72	1.000	46.1	92.2	0.116	46.1
5	1,2,3,7,8,9-HxCDD	4.73e5	1.10	NO	0.9674	1.000	34.98	1.001	44.1	88.2	0.153	44.1
6	1,2,3,4,6,7,8-HpCDD	3.78e5	1.01	NO	1.0061	1.000	38.41	1.000	44.7	89.3	0.254	44.7
7	OCDD	7.08e5	0.87	NO	1.0515	1.000	41.50	1.000	89.2	89.2	0.230	89.2
8	2,3,7,8-TCDF	1.84e5	0.78	NO	0.9154	1.000	24.76	1.001	8.73	87.3	0.0416	8.73
9	1,2,3,7,8-PeCDF	8.28e5	1.57	NO	0.9554	1.000	29.80	1.000	48.0	96.0	0.0919	48.0
10	2,3,4,7,8-PeCDF	8.36e5	1.57	NO	1.0035	1.000	30.85	1.000	47.9	95.7	0.0774	47.9
11	1,2,3,4,7,8-HxCDF	5.85e5	1.22	NO	1.0381	1.000	33.76	1.000	46.7	93.4	0.165	46.7
12	1,2,3,6,7,8-HxCDF	7.55e5	1.21	NO	1.0126	1.000	32.88	1.000	47.0	94.1	0.181	47.0
13	2,3,4,6,7,8-HxCDF	6.45e5	1.21	NO	1.0920	1.000	34.45	1.001	44.5	89.0	0.173	44.5
14	1,2,3,7,8,9-HxCDF	4.09e5	1.22	NO	1.0268	1.000	35.33	1.001	45.8	91.1	0.264	45.8
15	1,2,3,4,6,7,8-HpCDF	4.75e5	1.01	NO	1.0483	1.000	37.02	1.001	45.4	90.7	0.116	45.4
16	1,2,3,4,7,8,9-HpCDF	3.73e5	1.02	NO	1.2099	1.000	39.08	1.000	45.3	90.7	0.164	45.3
17	OCDF	7.59e5	0.88	NO	0.9468	1.000	41.68	1.000	90.8	90.8	0.158	90.8
18	13C-2,3,7,8-TCDD	1.60e6	0.80	NO	1.1842	1.000	27.77	1.030	98.9	96.9	0.134	
19	13C-1,2,3,7,8-PeCDD	1.18e6	0.63	NO	0.8644	1.000	31.16	1.245	100	100	0.128	
20	13C-1,2,3,4,7,8-HxCDD	8.26e5	1.27	NO	0.7539	1.000	34.60	1.014	86.1	86.1	0.166	
21	13C-1,2,3,6,7,8-HxCDD	1.35e6	1.26	NO	0.9254	1.000	34.71	1.017	114	114	0.136	



Dataset: Untitled

Last Altered: Wednesday, April 15, 2020 07:20:56 Pacific Daylight Time
Printed: Wednesday, April 15, 2020 07:21:04 Pacific Daylight Time

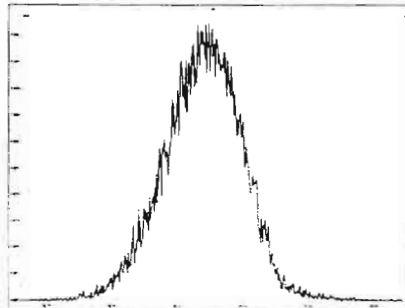
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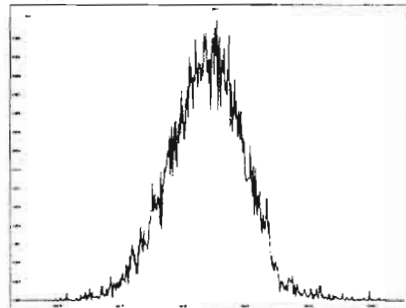
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Printed: Wednesday, April 15, 2020 07:12:52 Pacific Daylight Time

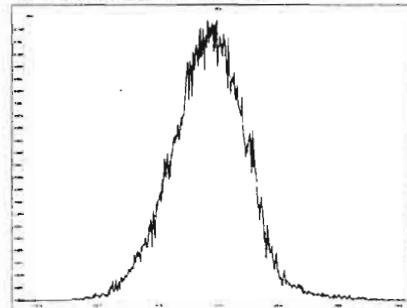
M 292.9824 R 11415



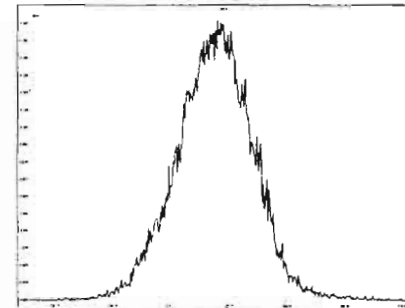
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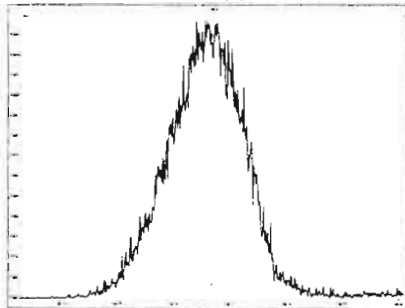
M 318.9792 R 11156



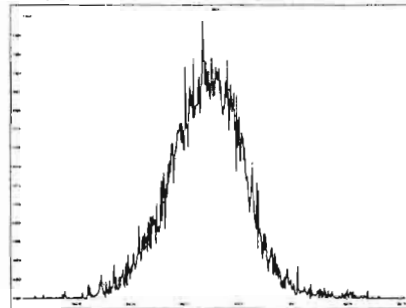
M 330.9792 R 11316



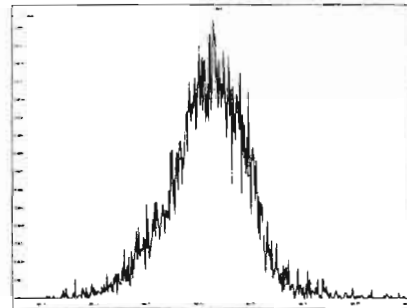
M 342.9792 R 11365



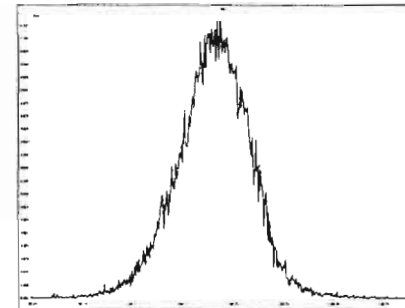
M 354.9792 R 11736



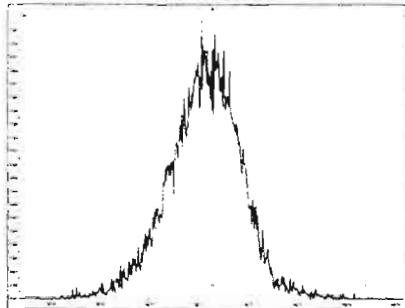
M 366.9792 R 11625



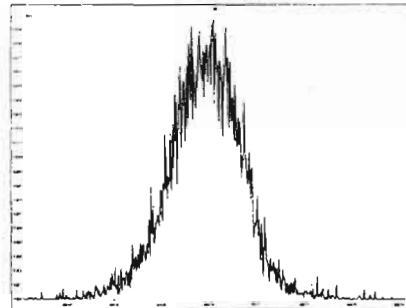
M 380.9760 R 12136



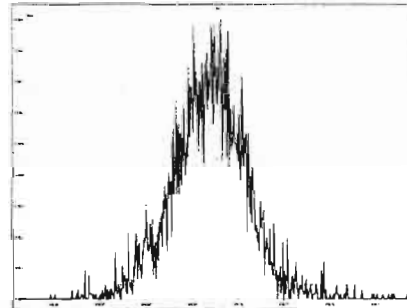
M 392.9760 R 11846



M 404.9760 R 12132



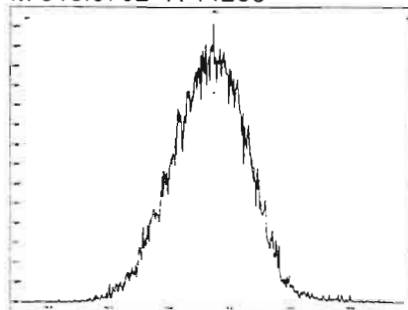
M 416.9760 R 13297



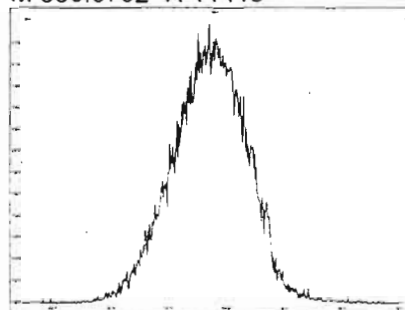
Reference: Pk.ref Function: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

13:17 Pacific Printed: Wednesday, April 15, 2020 07:13:17 Pacific Daylight Time

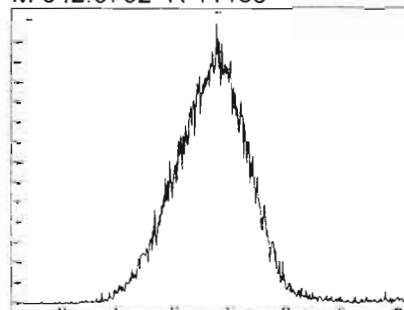
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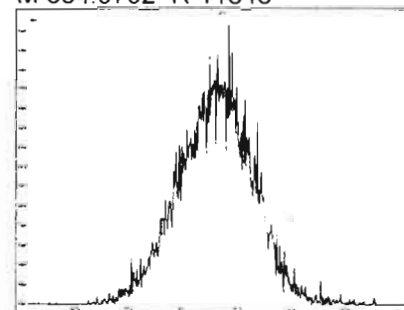
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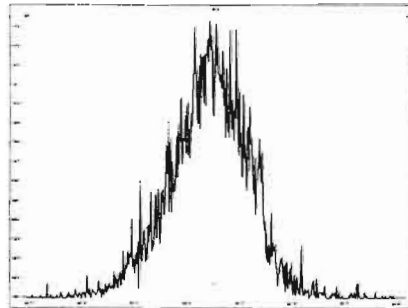
M 342.9792 R 11163



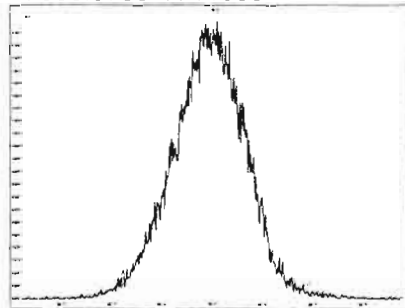
M 354.9792 R 11848



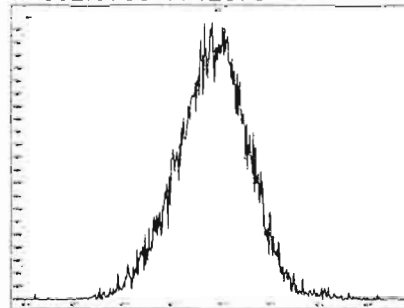
M 366.9792 R 13964



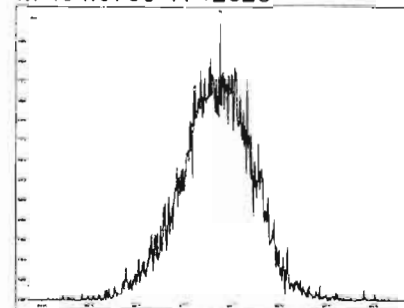
M 380.9760 R 11906



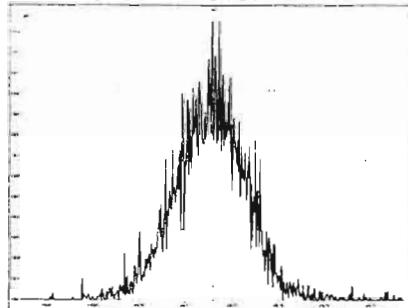
M 392.9760 R 12076



M 404.9760 R 12628



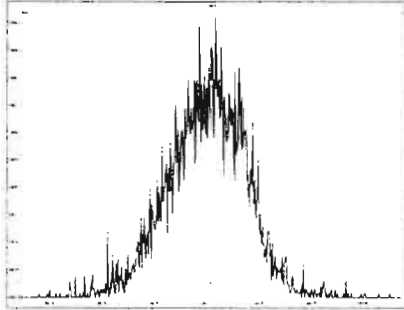
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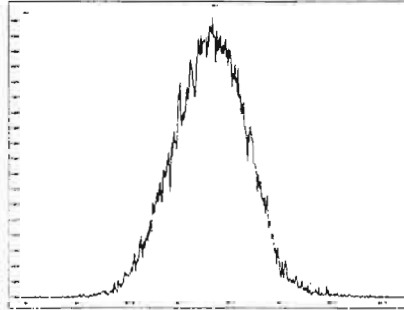
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13:43 Pacific Printed: Wednesday, April 15, 2020 07:13:43 Pacific Daylight Time

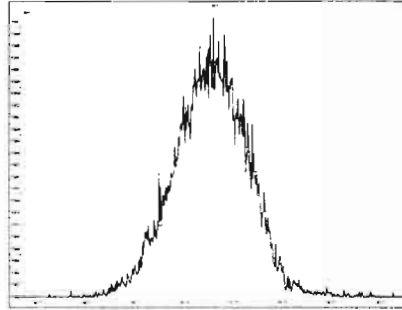
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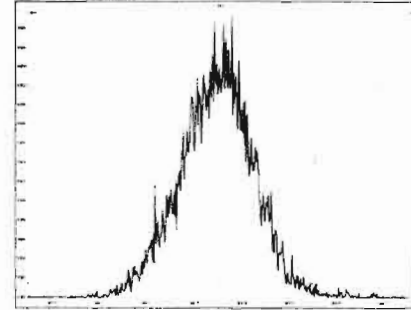
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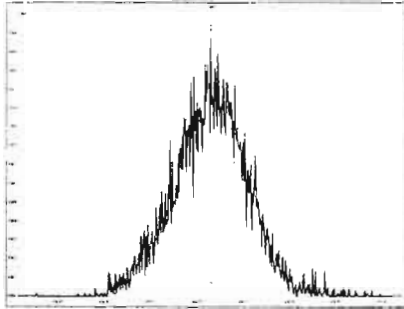
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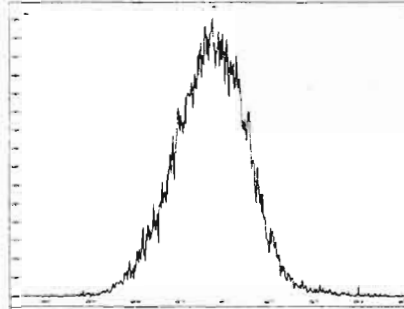
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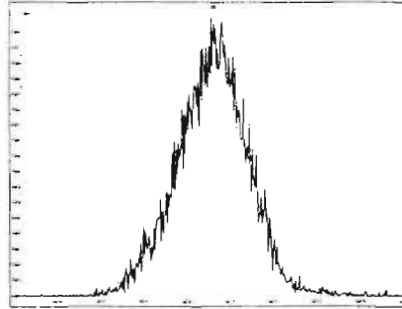
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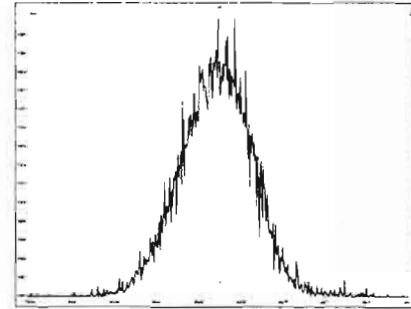
M 430.9728 R 11310



M 442.9728 R 12078



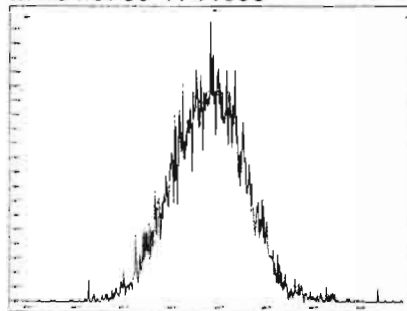
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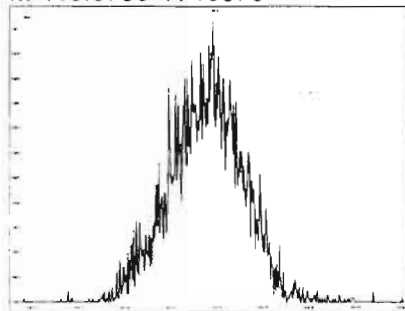
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13:58 Pacific Printed: Wednesday, April 15, 2020 07:13:58 Pacific Daylight Time

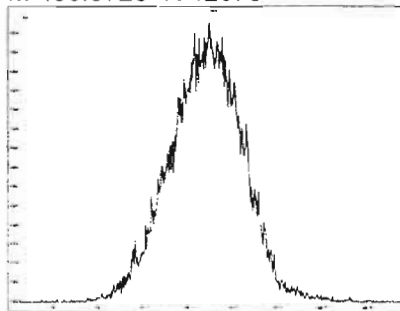
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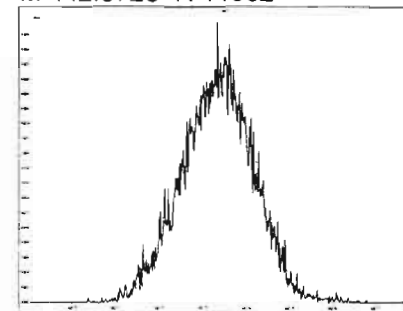
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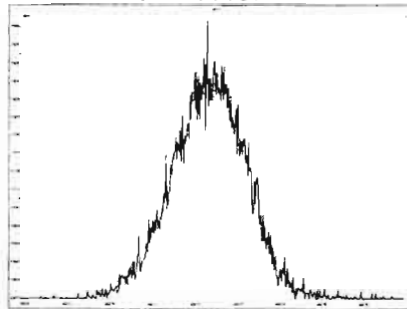
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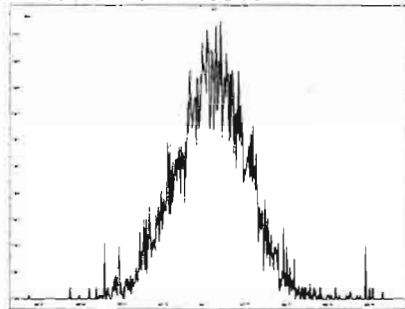
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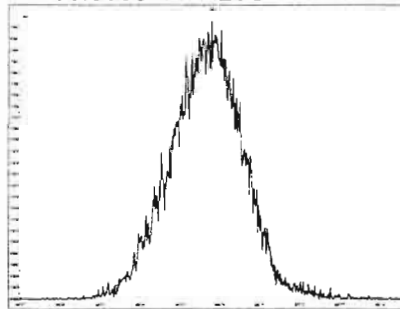
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M 466.9728 R 13019



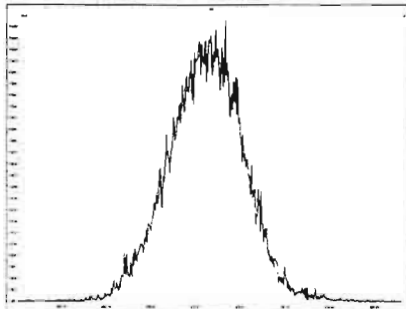
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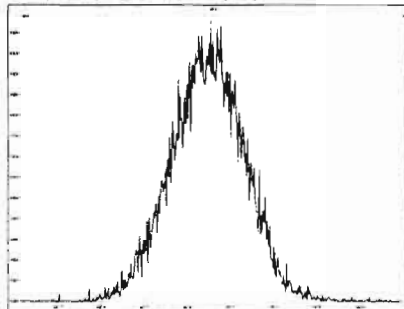
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Printed: Wednesday, April 15, 2020 07:14:14 Pacific Daylight Time

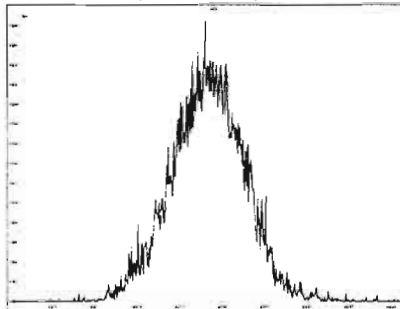
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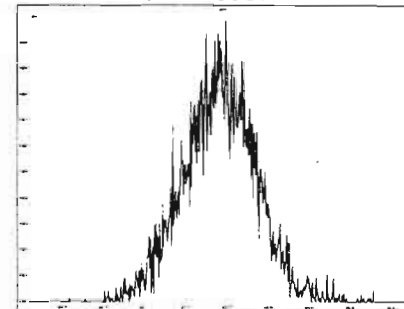
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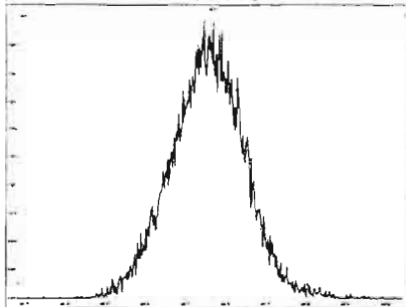
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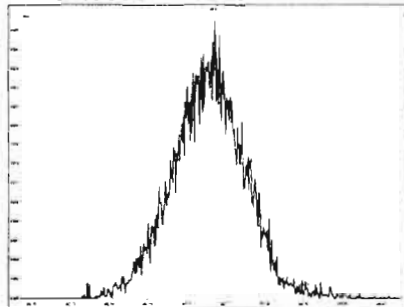
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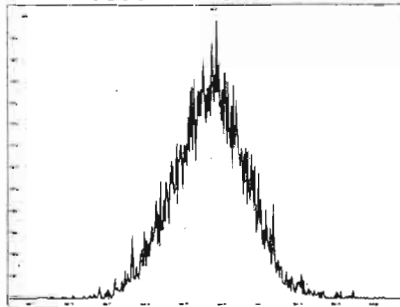
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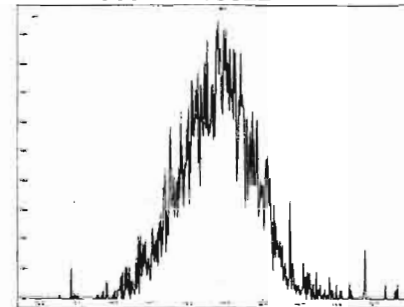
M 492.9696 R 12137



M 504.9696 R 11520



M 516.9697 R 13022



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

Last Altered: Monday, March 09, 2020 08:18:02 Pacific Daylight Time

Printed: Monday, March 09, 2020 08:33:03 Pacific Daylight Time

GRB 03/09/2020

C1 03/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-3-6-20.mdb 06 Mar 2020 11:03:08

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

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

Response Factor: 0.983462

RRF SD: 0.0620764, Relative SD: 6.31202

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	200306R2_1	0.250	0.88	NO	25.83	1.001	2.55e3	1.02e6	0.255	1.8	1.00	MM
2	200306R2_2	0.500	0.79	NO	25.80	1.001	5.56e3	1.04e6	0.545	9.0	1.07	bb
3	200306R2_3	2.00	0.77	NO	25.81	1.001	2.04e4	9.83e5	2.11	5.3	1.04	bb
4	200306R2_4	10.0	0.80	NO	25.81	1.001	1.07e5	1.15e6	9.48	-5.2	0.933	db
5	200306R2_5	40.0	0.77	NO	25.80	1.001	4.79e5	1.30e6	37.6	-5.9	0.925	bb
6	200306R2_6	300	0.79	NO	25.80	1.001	3.75e6	1.34e6	285	-5.0	0.934	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.921241

RRF SD: 0.0620739, Relative SD: 6.73807

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	200306R2_1	1.25	0.68	NO	31.00	1.000	7.57e3	7.13e5	1.15	-7.8	0.849	MM
2	200306R2_2	2.50	0.65	NO	30.97	1.000	1.74e4	6.98e5	2.70	8.2	0.996	bb
3	200306R2_3	10.0	0.68	NO	30.99	1.000	6.63e4	6.63e5	10.8	8.5	0.999	bb
4	200306R2_4	50.0	0.63	NO	30.99	1.000	3.98e5	9.00e5	48.0	-4.0	0.884	bb
5	200306R2_5	200	0.63	NO	30.99	1.000	1.71e6	9.49e5	195	-2.4	0.899	bb
6	200306R2_6	1500	0.63	NO	30.99	1.000	1.46e7	1.08e6	1460	-2.3	0.900	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

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Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.13254

RRF SD: 0.050207, Relative SD: 4.43315

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	200306R2_1	1.25	1.29	NO	34.40	1.001	7.33e3	5.37e5	1.21	-3.6	1.09	bd
2	200306R2_2	2.50	1.25	NO	34.37	1.001	1.58e4	5.23e5	2.66	6.4	1.21	bd
3	200306R2_3	10.0	1.25	NO	34.37	1.000	5.85e4	4.95e5	10.4	4.4	1.18	bd
4	200306R2_4	50.0	1.24	NO	34.38	1.001	3.69e5	6.79e5	48.0	-4.0	1.09	bd
5	200306R2_5	200	1.24	NO	34.37	1.000	1.50e6	6.81e5	194	-3.0	1.10	bd
6	200306R2_6	1500	1.24	NO	34.38	1.000	1.42e7	8.39e5	1500	-0.3	1.13	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.984449

RRF SD: 0.0570908, Relative SD: 5.79927

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	200306R2_1	1.25	1.21	NO	34.49	1.000	7.49e3	6.23e5	1.22	-2.3	0.961	MM
2	200306R2_2	2.50	1.23	NO	34.47	1.000	1.71e4	6.45e5	2.69	7.8	1.06	db
3	200306R2_3	10.0	1.24	NO	34.48	1.000	6.35e4	6.06e5	10.6	6.4	1.05	db
4	200306R2_4	50.0	1.26	NO	34.48	1.000	3.94e5	8.29e5	48.3	-3.4	0.951	db
5	200306R2_5	200	1.25	NO	34.47	1.000	1.68e6	8.67e5	197	-1.6	0.969	db
6	200306R2_6	1500	1.24	NO	34.49	1.001	1.45e7	1.05e6	1400	-6.8	0.917	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.967395

RRF SD: 0.0672904, Relative SD: 6.95583

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	200306R2_1	1.25	1.19	NO	34.76	1.000	6.08e3	5.57e5	1.13	-9.9	0.872	MM
2	200306R2_2	2.50	1.24	NO	34.74	1.001	1.51e4	5.80e5	2.70	7.9	1.04	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-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	200306R2_3	10.0	1.23	NO	34.74	1.000	5.71e4	5.46e5	10.8	8.1	1.05	bb
4	200306R2_4	50.0	1.23	NO	34.74	1.000	3.51e5	7.47e5	48.6	-2.9	0.940	bb
5	200306R2_5	200	1.25	NO	34.74	1.000	1.47e6	7.83e5	194	-2.8	0.940	bb
6	200306R2_6	1500	1.23	NO	34.75	1.000	1.34e7	9.31e5	1490	-0.5	0.963	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 1.00606

RRF SD: 0.0598777, Relative SD: 5.95172

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	200306R2_1	1.25	1.04	NO	38.23	1.000	4.50e3	3.74e5	1.19	-4.5	0.960	MM
2	200306R2_2	2.50	1.03	NO	38.17	1.000	1.17e4	4.34e5	2.69	7.6	1.08	bb
3	200306R2_3	10.0	1.02	NO	38.18	1.000	4.15e4	3.84e5	10.7	7.4	1.08	bb
4	200306R2_4	50.0	1.03	NO	38.21	1.000	2.63e5	5.52e5	47.4	-5.1	0.954	bb
5	200306R2_5	200	1.04	NO	38.21	1.001	1.14e6	5.89e5	192	-3.9	0.967	bb
6	200306R2_6	1500	1.03	NO	38.22	1.001	9.92e6	6.67e5	1480	-1.4	0.992	bb

Compound name: OCDD

Response Factor: 1.05145

RRF SD: 0.114587, Relative SD: 10.898

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	200306R2_1	2.50	0.84	NO	41.25	1.000	1.06e4	7.05e5	2.86	14.2	1.20	MM
2	200306R2_2	5.00	0.98	NO	41.22	1.000	2.24e4	7.62e5	5.60	12.0	1.18	MM
3	200306R2_3	20.0	0.87	NO	41.23	1.000	7.58e4	7.16e5	20.1	0.7	1.06	bb
4	200306R2_4	100	0.90	NO	41.23	1.000	4.62e5	9.75e5	90.2	-9.8	0.948	bb
5	200306R2_5	400	0.89	NO	41.22	1.000	2.22e6	1.17e6	360	-10.0	0.946	bb
6	200306R2_6	3000	0.89	NO	41.24	1.000	2.08e7	1.42e6	2790	-7.1	0.977	MM

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

Response Factor: 0.915401

RRF SD: 0.0583768, Relative SD: 6.37719

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	200306R2_1	0.250	0.84	NO	24.87	1.001	3.09e3	1.43e6	0.235	-5.9	0.861	MM
2	200306R2_2	0.500	0.78	NO	24.82	1.001	7.23e3	1.45e6	0.546	9.2	1.00	bb
3	200306R2_3	2.00	0.78	NO	24.82	1.001	2.69e4	1.38e6	2.14	6.8	0.978	bb
4	200306R2_4	10.0	0.77	NO	24.84	1.001	1.28e5	1.46e6	9.56	-4.4	0.875	bb
5	200306R2_5	40.0	0.77	NO	24.82	1.001	6.19e5	1.74e6	38.8	-3.1	0.887	bb
6	200306R2_6	300	0.77	NO	24.82	1.001	4.83e6	1.81e6	292	-2.7	0.891	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.959427

RRF SD: 0.0433152, Relative SD: 4.51469

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	200306R2_1	1.25	1.49	NO	29.68	1.000	1.28e4	1.13e6	1.18	-5.5	0.906	MM
2	200306R2_2	2.50	1.64	NO	29.63	1.000	2.70e4	1.07e6	2.63	5.3	1.01	bb
3	200306R2_3	10.0	1.54	NO	29.65	1.000	1.01e5	9.93e5	10.6	5.7	1.01	MM
4	200306R2_4	50.0	1.55	NO	29.66	1.001	6.19e5	1.30e6	49.4	-1.1	0.948	bb
5	200306R2_5	200	1.56	NO	29.65	1.000	2.60e6	1.38e6	196	-1.9	0.941	bb
6	200306R2_6	1500	1.53	NO	29.66	1.000	2.21e7	1.58e6	1460	-2.4	0.936	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.00349

RRF SD: 0.0546018, Relative SD: 5.44122

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	200306R2_1	1.25	1.61	NO	30.70	1.000	1.23e4	1.05e6	1.17	-6.4	0.940	MM
2	200306R2_2	2.50	1.54	NO	30.65	1.000	2.75e4	1.02e6	2.70	8.1	1.08	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200306R2_3	10.0	1.56	NO	30.67	1.000	1.02e5	9.68e5	10.5	5.1	1.05	bb
4	200306R2_4	50.0	1.58	NO	30.67	1.000	6.26e5	1.27e6	49.3	-1.4	0.990	bb
5	200306R2_5	200	1.54	NO	30.67	1.000	2.65e6	1.36e6	195	-2.6	0.978	bb
6	200306R2_6	1500	1.53	NO	30.68	1.000	2.24e7	1.53e6	1460	-2.8	0.975	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.03807
 RRF SD: 0.0538106, Relative SD: 5.18374
 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	200306R2_1	1.25	1.12	NO	33.54	1.001	8.84e3	7.10e5	1.20	-4.0	0.996	bd
2	200306R2_2	2.50	1.19	NO	33.51	1.000	1.92e4	6.91e5	2.68	7.2	1.11	bd
3	200306R2_3	10.0	1.26	NO	33.52	1.000	7.18e4	6.52e5	10.6	6.1	1.10	bd
4	200306R2_4	50.0	1.23	NO	33.52	1.000	4.56e5	8.98e5	48.9	-2.2	1.02	dd
5	200306R2_5	200	1.22	NO	33.52	1.001	1.87e6	9.40e5	192	-4.1	0.996	bd
6	200306R2_6	1500	1.22	NO	33.53	1.001	1.65e7	1.09e6	1460	-2.9	1.01	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.0126
 RRF SD: 0.0619783, Relative SD: 6.12071
 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	200306R2_1	1.25	1.20	NO	33.66	1.000	9.19e3	7.80e5	1.16	-6.9	0.943	db
2	200306R2_2	2.50	1.27	NO	33.63	1.000	2.08e4	7.71e5	2.66	6.4	1.08	db
3	200306R2_3	10.0	1.18	NO	33.64	1.000	7.95e4	7.22e5	10.9	8.7	1.10	db
4	200306R2_4	50.0	1.22	NO	33.64	1.000	4.93e5	1.01e6	48.1	-3.7	0.975	db
5	200306R2_5	200	1.22	NO	33.64	1.001	2.10e6	1.05e6	196	-1.8	0.994	db
6	200306R2_6	1500	1.22	NO	33.65	1.000	1.83e7	1.24e6	1460	-2.7	0.986	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.092

RRF SD: 0.0522909, Relative SD: 4.78856

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	200306R2_1	1.25	1.20	NO	34.23	1.001	9.49e3	7.13e5	1.22	-2.5	1.07	bb
2	200306R2_2	2.50	1.18	NO	34.19	1.000	2.08e4	7.13e5	2.68	7.1	1.17	bb
3	200306R2_3	10.0	1.21	NO	34.21	1.001	7.81e4	6.81e5	10.5	5.1	1.15	bb
4	200306R2_4	50.0	1.21	NO	34.21	1.001	4.95e5	9.38e5	48.3	-3.4	1.05	bb
5	200306R2_5	200	1.22	NO	34.20	1.000	2.06e6	9.84e5	192	-3.9	1.05	bb
6	200306R2_6	1500	1.22	NO	34.21	1.000	1.82e7	1.14e6	1460	-2.4	1.07	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.02678

RRF SD: 0.0447492, Relative SD: 4.35823

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	200306R2_1	1.25	1.27	NO	35.11	1.001	7.40e3	5.96e5	1.21	-3.3	0.993	bb
2	200306R2_2	2.50	1.24	NO	35.07	1.000	1.61e4	6.11e5	2.57	2.9	1.06	bb
3	200306R2_3	10.0	1.24	NO	35.08	1.000	6.28e4	5.68e5	10.8	7.6	1.10	bd
4	200306R2_4	50.0	1.25	NO	35.08	1.000	3.95e5	7.83e5	49.1	-1.8	1.01	MM
5	200306R2_5	200	1.23	NO	35.08	1.001	1.63e6	8.17e5	195	-2.7	0.999	bb
6	200306R2_6	1500	1.23	NO	35.10	1.000	1.48e7	9.86e5	1460	-2.7	0.999	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.04827

RRF SD: 0.0494086, Relative SD: 4.71334

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	200306R2_1	1.25	1.07	NO	36.81	1.000	6.78e3	5.13e5	1.26	0.8	1.06	bb
2	200306R2_2	2.50	0.98	NO	36.78	1.000	1.55e4	5.54e5	2.67	6.7	1.12	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

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Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200306R2_3	10.0	1.01	NO	36.79	1.000	5.42e4	4.96e5	10.4	4.2	1.09	bb
4	200306R2_4	50.0	1.00	NO	36.79	1.000	3.53e5	7.08e5	47.5	-5.0	0.996	bb
5	200306R2_5	200	1.00	NO	36.79	1.000	1.46e6	7.21e5	193	-3.6	1.01	bb
6	200306R2_6	1500	1.01	NO	36.80	1.000	1.31e7	8.61e5	1450	-3.2	1.02	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.2099

RRF SD: 0.0633946, Relative SD: 5.23967

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	200306R2_1	1.25	0.94	NO	38.85	1.001	4.87e3	3.35e5	1.20	-3.8	1.16	bb
2	200306R2_2	2.50	0.98	NO	38.82	1.000	1.18e4	3.60e5	2.72	8.8	1.32	bb
3	200306R2_3	10.0	0.98	NO	38.82	1.000	4.25e4	3.38e5	10.4	4.1	1.26	bb
4	200306R2_4	50.0	1.00	NO	38.82	1.000	2.73e5	4.70e5	48.0	-4.0	1.16	bb
5	200306R2_5	200	1.01	NO	38.82	1.000	1.18e6	4.99e5	195	-2.3	1.18	bb
6	200306R2_6	1500	1.01	NO	38.83	1.000	1.06e7	6.02e5	1460	-2.8	1.18	bb

Compound name: OCDF

Response Factor: 0.946773

RRF SD: 0.0474682, Relative SD: 5.01368

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	200306R2_1	2.50	0.83	NO	41.43	1.000	9.98e3	8.40e5	2.51	0.4	0.950	MM
2	200306R2_2	5.00	0.93	NO	41.40	1.000	2.36e4	9.23e5	5.39	7.8	1.02	bb
3	200306R2_3	20.0	0.89	NO	41.40	1.000	8.67e4	8.82e5	20.8	3.9	0.983	bb
4	200306R2_4	100	0.88	NO	41.41	1.000	5.44e5	1.20e6	95.4	-4.6	0.904	bb
5	200306R2_5	400	0.88	NO	41.40	1.000	2.61e6	1.42e6	387	-3.2	0.917	bb
6	200306R2_6	3000	0.89	NO	41.42	1.000	2.37e7	1.75e6	2870	-4.3	0.906	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.18423

RRF SD: 0.101442, Relative SD: 8.56612

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	200306R2_1	100	0.79	NO	25.80	1.028	1.02e6	7.81e5	110	10.3	1.31	MM
2	200306R2_2	100	0.78	NO	25.76	1.028	1.04e6	9.79e5	89.6	-10.4	1.06	bb
3	200306R2_3	100	0.79	NO	25.78	1.028	9.83e5	9.27e5	89.5	-10.5	1.06	bb
4	200306R2_4	100	0.78	NO	25.78	1.028	1.15e6	9.40e5	103	3.3	1.22	bb
5	200306R2_5	100	0.78	NO	25.76	1.028	1.30e6	1.07e6	102	2.0	1.21	bb
6	200306R2_6	100	0.79	NO	25.76	1.028	1.34e6	1.07e6	105	5.2	1.25	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.864397

RRF SD: 0.123368, Relative SD: 14.2722

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	200306R2_1	100	0.64	NO	30.99	1.235	7.13e5	7.81e5	106	5.7	0.914	bb
2	200306R2_2	100	0.63	NO	30.96	1.235	6.98e5	9.79e5	82.5	-17.5	0.713	bb
3	200306R2_3	100	0.64	NO	30.97	1.235	6.63e5	9.27e5	82.7	-17.3	0.715	bb
4	200306R2_4	100	0.62	NO	30.97	1.235	9.00e5	9.40e5	111	10.8	0.958	bb
5	200306R2_5	100	0.64	NO	30.97	1.236	9.49e5	1.07e6	102	2.3	0.884	bb
6	200306R2_6	100	0.63	NO	30.97	1.236	1.08e6	1.07e6	116	16.1	1.00	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.753912

RRF SD: 0.0956829, Relative SD: 12.6915

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	200306R2_1	100	1.25	NO	34.38	1.014	5.37e5	6.43e5	111	10.7	0.835	bd
2	200306R2_2	100	1.28	NO	34.35	1.014	5.23e5	7.96e5	87.2	-12.8	0.657	bd

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

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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	200306R2_3	100	1.28	NO	34.36	1.014	4.95e5	7.60e5	86.4	-13.6	0.652	bd
4	200306R2_4	100	1.27	NO	34.36	1.014	6.79e5	9.06e5	99.5	-0.5	0.750	bd
5	200306R2_5	100	1.26	NO	34.36	1.014	6.81e5	9.24e5	97.8	-2.2	0.738	bd
6	200306R2_6	100	1.28	NO	34.37	1.014	8.39e5	9.40e5	118	18.4	0.892	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.925405

RRF SD: 0.118798, Relative SD: 12.8375

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	200306R2_1	100	1.25	NO	34.49	1.017	6.23e5	6.43e5	105	4.6	0.968	db
2	200306R2_2	100	1.26	NO	34.46	1.017	6.45e5	7.96e5	87.5	-12.5	0.810	db
3	200306R2_3	100	1.25	NO	34.47	1.017	6.06e5	7.60e5	86.2	-13.8	0.797	db
4	200306R2_4	100	1.28	NO	34.47	1.017	8.29e5	9.06e5	98.9	-1.1	0.916	db
5	200306R2_5	100	1.28	NO	34.46	1.017	8.67e5	9.24e5	101	1.4	0.939	db
6	200306R2_6	100	1.27	NO	34.47	1.017	1.05e6	9.40e5	121	21.3	1.12	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.829419

RRF SD: 0.100271, Relative SD: 12.0893

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	200306R2_1	100	1.30	NO	34.75	1.025	5.57e5	6.43e5	104	4.5	0.867	bd
2	200306R2_2	100	1.23	NO	34.72	1.025	5.80e5	7.96e5	87.8	-12.2	0.728	bb
3	200306R2_3	100	1.24	NO	34.73	1.025	5.46e5	7.60e5	86.6	-13.4	0.718	bb
4	200306R2_4	100	1.23	NO	34.73	1.025	7.47e5	9.06e5	99.4	-0.6	0.825	bb
5	200306R2_5	100	1.19	NO	34.73	1.025	7.83e5	9.24e5	102	2.3	0.848	bb
6	200306R2_6	100	1.25	NO	34.74	1.025	9.31e5	9.40e5	119	19.4	0.990	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

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

Response Factor: 0.598232

RRF SD: 0.0717306, Relative SD: 11.9904

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	200306R2_1	100	1.03	NO	38.21	1.127	3.74e5	6.43e5	97.3	-2.7	0.582	bb
2	200306R2_2	100	1.06	NO	38.17	1.127	4.34e5	7.96e5	91.1	-8.9	0.545	bd
3	200306R2_3	100	1.06	NO	38.17	1.126	3.84e5	7.60e5	84.5	-15.5	0.506	bb
4	200306R2_4	100	1.05	NO	38.19	1.127	5.52e5	9.06e5	102	1.9	0.610	bb
5	200306R2_5	100	1.11	NO	38.18	1.127	5.89e5	9.24e5	107	6.6	0.638	bd
6	200306R2_6	100	1.06	NO	38.19	1.127	6.67e5	9.40e5	119	18.6	0.709	bb

Compound name: 13C-OCDD

Response Factor: 0.571169

RRF SD: 0.108174, Relative SD: 18.9391

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	200306R2_1	200	0.90	NO	41.23	1.216	7.05e5	6.43e5	192	-4.0	0.548	bd
2	200306R2_2	200	0.90	NO	41.21	1.216	7.62e5	7.96e5	168	-16.2	0.479	bb
3	200306R2_3	200	0.94	NO	41.22	1.216	7.16e5	7.60e5	165	-17.5	0.471	bd
4	200306R2_4	200	0.85	NO	41.21	1.216	9.75e5	9.06e5	189	-5.7	0.538	bb
5	200306R2_5	200	0.89	NO	41.21	1.216	1.17e6	9.24e5	222	11.0	0.634	bd
6	200306R2_6	200	0.90	NO	41.23	1.217	1.42e6	9.40e5	265	32.5	0.757	bd

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.08928

RRF SD: 0.0987678, Relative SD: 9.06725

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	200306R2_1	100	0.79	NO	24.84	0.990	1.43e6	1.19e6	111	11.0	1.21	bb
2	200306R2_2	100	0.79	NO	24.79	0.989	1.45e6	1.48e6	89.7	-10.3	0.977	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	200306R2_3	100	0.77	NO	24.81	0.989	1.38e6	1.43e6	88.3	-11.7	0.962	bb
4	200306R2_4	100	0.78	NO	24.82	0.990	1.46e6	1.27e6	106	5.6	1.15	bb
5	200306R2_5	100	0.78	NO	24.81	0.990	1.74e6	1.56e6	103	2.7	1.12	bb
6	200306R2_6	100	0.78	NO	24.79	0.989	1.81e6	1.62e6	103	2.7	1.12	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.876347

RRF SD: 0.137914, Relative SD: 15.7373

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	200306R2_1	100	1.55	NO	29.66	1.182	1.13e6	1.19e6	109	8.6	0.952	bb
2	200306R2_2	100	1.60	NO	29.63	1.182	1.07e6	1.48e6	82.5	-17.5	0.723	bb
3	200306R2_3	100	1.58	NO	29.63	1.182	9.93e5	1.43e6	79.2	-20.8	0.694	bb
4	200306R2_4	100	1.60	NO	29.63	1.181	1.30e6	1.27e6	117	17.2	1.03	bb
5	200306R2_5	100	1.57	NO	29.63	1.182	1.38e6	1.56e6	101	1.2	0.887	bb
6	200306R2_6	100	1.57	NO	29.65	1.183	1.58e6	1.62e6	111	11.3	0.976	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.843553

RRF SD: 0.133299, Relative SD: 15.8021

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	200306R2_1	100	1.57	NO	30.68	1.223	1.05e6	1.19e6	105	4.8	0.884	db
2	200306R2_2	100	1.58	NO	30.64	1.222	1.02e6	1.48e6	81.4	-18.6	0.687	db
3	200306R2_3	100	1.58	NO	30.65	1.222	9.68e5	1.43e6	80.2	-19.8	0.677	db
4	200306R2_4	100	1.60	NO	30.65	1.222	1.27e6	1.27e6	118	18.2	0.997	db
5	200306R2_5	100	1.58	NO	30.65	1.223	1.36e6	1.56e6	103	3.2	0.870	db
6	200306R2_6	100	1.60	NO	30.67	1.224	1.53e6	1.62e6	112	12.2	0.947	db

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00027

RRF SD: 0.122541, Relative SD: 12.2508

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	200306R2_1	100	0.52	NO	33.52	0.988	7.10e5	6.43e5	110	10.3	1.10	bd
2	200306R2_2	100	0.51	NO	33.50	0.989	6.91e5	7.96e5	86.8	-13.2	0.869	bd
3	200306R2_3	100	0.52	NO	33.51	0.989	6.52e5	7.60e5	85.8	-14.2	0.858	bd
4	200306R2_4	100	0.51	NO	33.51	0.989	8.98e5	9.06e5	99.1	-0.9	0.992	bd
5	200306R2_5	100	0.52	NO	33.50	0.989	9.40e5	9.24e5	102	1.7	1.02	bd
6	200306R2_6	100	0.52	NO	33.51	0.989	1.09e6	9.40e5	116	16.3	1.16	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.1178

RRF SD: 0.141321, Relative SD: 12.6428

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	200306R2_1	100	0.51	NO	33.65	0.992	7.80e5	6.43e5	108	8.5	1.21	db
2	200306R2_2	100	0.51	NO	33.62	0.992	7.71e5	7.96e5	86.6	-13.4	0.969	db
3	200306R2_3	100	0.53	NO	33.63	0.992	7.22e5	7.60e5	85.0	-15.0	0.951	db
4	200306R2_4	100	0.52	NO	33.63	0.992	1.01e6	9.06e5	99.9	-0.1	1.12	db
5	200306R2_5	100	0.53	NO	33.61	0.992	1.05e6	9.24e5	102	2.1	1.14	db
6	200306R2_6	100	0.52	NO	33.64	0.993	1.24e6	9.40e5	118	17.9	1.32	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.03533

RRF SD: 0.12301, Relative SD: 11.8812

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	200306R2_1	100	0.52	NO	34.21	1.009	7.13e5	6.43e5	107	7.1	1.11	bb
2	200306R2_2	100	0.51	NO	34.18	1.009	7.13e5	7.96e5	86.5	-13.5	0.896	bb

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Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200306R2_3	100	0.52	NO	34.19	1.009	6.81e5	7.60e5	86.6	-13.4	0.896	bb
4	200306R2_4	100	0.53	NO	34.19	1.009	9.38e5	9.06e5	100	0.1	1.04	MM
5	200306R2_5	100	0.52	NO	34.19	1.009	9.84e5	9.24e5	103	2.9	1.07	bb
6	200306R2_6	100	0.52	NO	34.20	1.009	1.14e6	9.40e5	117	16.9	1.21	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.873112

RRF SD: 0.110234, Relative SD: 12.6254

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	200306R2_1	100	0.51	NO	35.08	1.035	5.96e5	6.43e5	106	6.1	0.926	bb
2	200306R2_2	100	0.51	NO	35.06	1.035	6.11e5	7.96e5	87.9	-12.1	0.768	bb
3	200306R2_3	100	0.52	NO	35.07	1.035	5.68e5	7.60e5	85.6	-14.4	0.747	bb
4	200306R2_4	100	0.52	NO	35.07	1.035	7.83e5	9.06e5	99.0	-1.0	0.864	bb
5	200306R2_5	100	0.51	NO	35.06	1.035	8.17e5	9.24e5	101	1.3	0.884	bb
6	200306R2_6	100	0.53	NO	35.08	1.035	9.86e5	9.40e5	120	20.1	1.05	bb

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

Response Factor: 0.770799

RRF SD: 0.0912069, Relative SD: 11.8328

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	200306R2_1	100	0.44	NO	36.80	1.085	5.13e5	6.43e5	104	3.5	0.798	bb
2	200306R2_2	100	0.46	NO	36.77	1.085	5.54e5	7.96e5	90.3	-9.7	0.696	bb
3	200306R2_3	100	0.45	NO	36.78	1.085	4.96e5	7.60e5	84.6	-15.4	0.652	bb
4	200306R2_4	100	0.46	NO	36.78	1.085	7.08e5	9.06e5	101	1.4	0.782	bd
5	200306R2_5	100	0.45	NO	36.78	1.086	7.21e5	9.24e5	101	1.3	0.781	bb
6	200306R2_6	100	0.45	NO	36.79	1.086	8.61e5	9.40e5	119	18.8	0.916	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.519283

RRF SD: 0.0710328, Relative SD: 13.679

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	200306R2_1	100	0.45	NO	38.83	1.145	3.35e5	6.43e5	100	0.2	0.521	bd
2	200306R2_2	100	0.45	NO	38.80	1.145	3.60e5	7.96e5	87.0	-13.0	0.452	bd
3	200306R2_3	100	0.44	NO	38.81	1.145	3.38e5	7.60e5	85.6	-14.4	0.444	bd
4	200306R2_4	100	0.45	NO	38.81	1.145	4.70e5	9.06e5	99.9	-0.1	0.519	bb
5	200306R2_5	100	0.44	NO	38.81	1.145	4.99e5	9.24e5	104	3.9	0.540	bb
6	200306R2_6	100	0.45	NO	38.82	1.145	6.02e5	9.40e5	123	23.3	0.640	bb

Compound name: 13C-OCDF

Response Factor: 0.696311

RRF SD: 0.133796, Relative SD: 19.215

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	200306R2_1	200	0.88	NO	41.42	1.221	8.40e5	6.43e5	188	-6.2	0.653	bb
2	200306R2_2	200	0.90	NO	41.38	1.221	9.23e5	7.96e5	167	-16.7	0.580	bb
3	200306R2_3	200	0.86	NO	41.39	1.221	8.82e5	7.60e5	167	-16.6	0.581	bb
4	200306R2_4	200	0.89	NO	41.40	1.222	1.20e6	9.06e5	191	-4.6	0.664	bb
5	200306R2_5	200	0.89	NO	41.39	1.222	1.42e6	9.24e5	221	10.7	0.771	bb
6	200306R2_6	200	0.89	NO	41.41	1.222	1.75e6	9.40e5	267	33.4	0.929	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.17455

RRF SD: 0.0840795, Relative SD: 7.15847

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	200306R2_1	0.250			25.84	1.030	2.53e3	7.81e5	0.276	10.3	1.30	bb
2	200306R2_2	0.500			25.78	1.029	5.58e3	9.79e5	0.486	-2.9	1.14	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

Last Altered: Monday, March 09, 2020 08:18:02 Pacific Daylight Time

Printed: Monday, March 09, 2020 08:33:03 Pacific Daylight Time

Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200306R2_3	2.00			25.80	1.029	1.94e4	9.27e5	1.78	-11.1	1.04	bb
4	200306R2_4	10.0			25.80	1.029	1.11e5	9.40e5	10.1	0.8	1.18	bb
5	200306R2_5	40.0			25.80	1.029	4.97e5	1.07e6	39.5	-1.4	1.16	bb
6	200306R2_6	200			25.80	1.029	2.63e6	1.07e6	208	4.2	1.22	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	200306R2_1	100	0.81	NO	25.09	1.000	7.81e5	7.81e5	100	0.0	1.00	bb
2	200306R2_2	100	0.80	NO	25.06	1.000	9.79e5	9.79e5	100	0.0	1.00	bb
3	200306R2_3	100	0.80	NO	25.08	1.000	9.27e5	9.27e5	100	0.0	1.00	bb
4	200306R2_4	100	0.78	NO	25.08	1.000	9.40e5	9.40e5	100	0.0	1.00	bb
5	200306R2_5	100	0.81	NO	25.06	1.000	1.07e6	1.07e6	100	0.0	1.00	bb
6	200306R2_6	100	0.79	NO	25.06	1.000	1.07e6	1.07e6	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	200306R2_1	100	0.80	NO	23.24	1.000	1.19e6	1.19e6	100	0.0	1.00	bb
2	200306R2_2	100	0.79	NO	23.21	1.000	1.48e6	1.48e6	100	0.0	1.00	bb
3	200306R2_3	100	0.81	NO	23.21	1.000	1.43e6	1.43e6	100	0.0	1.00	bb
4	200306R2_4	100	0.79	NO	23.22	1.000	1.27e6	1.27e6	100	0.0	1.00	bb
5	200306R2_5	100	0.79	NO	23.21	1.000	1.56e6	1.56e6	100	0.0	1.00	bb
6	200306R2_6	100	0.79	NO	23.19	1.000	1.62e6	1.62e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200306R2\200306R2-CRV.qld

Last Altered: Monday, March 09, 2020 08:18:02 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:33:03 Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200306R2_1	100	0.51	NO	33.91	1.000	6.43e5	6.43e5	100	0.0	1.00	bb
2	200306R2_2	100	0.52	NO	33.88	1.000	7.96e5	7.96e5	100	0.0	1.00	bb
3	200306R2_3	100	0.51	NO	33.89	1.000	7.60e5	7.60e5	100	0.0	1.00	bb
4	200306R2_4	100	0.52	NO	33.89	1.000	9.06e5	9.06e5	100	0.0	1.00	bb
5	200306R2_5	100	0.52	NO	33.88	1.000	9.24e5	9.24e5	100	0.0	1.00	bb
6	200306R2_6	100	0.52	NO	33.89	1.000	9.40e5	9.40e5	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Monday, March 09, 2020 08:43:03 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:45:55 Pacific Daylight Time

Method: U:\VG12.PROMethDB\1613rrt-3-6-20.mdb 06 Mar 2020 12:03:08
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

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

	Name	ID	Acq.Date	Acq.Time
1	200306R2_1	ST200306R2_1 1613 CS0 19L2302	06-Mar-20	13:08:38
2	200306R2_2	ST200306R2_2 1613 CS1 19L2303	06-Mar-20	13:58:25
3	200306R2_3	ST200306R2_3 1613 CS2 19L2304	06-Mar-20	14:44:37
4	200306R2_4	ST200306R2_4 1613 CS3 19L2305	06-Mar-20	15:32:12
5	200306R2_5	ST200306R2_5 1613 CS4 19L2306	06-Mar-20	16:19:37
6	200306R2_6	ST200306R2_6 1613 CS5 19L2307	06-Mar-20	17:07:03
7	200306R2_7	SOLVENT BLANK	06-Mar-20	17:56:11
8	200306R2_8	SS200306R2_1 1613 SSS 19L2308	06-Mar-20	18:42:29
9	200306R2_9	SOLVENT BLANK	06-Mar-20	19:38:48
10	200306R2_10	2000406-09 PDI-049SC-A-04-05-191015 16.98	06-Mar-20	20:25:03
11	200306R2_11	2000406-10 PDI-049SC-A-05-06-191015 16.09	06-Mar-20	21:12:36
12	200306R2_12	2000406-11 PDI-049SC-A-06-07-191015 13.96	06-Mar-20	22:00:09
13	200306R2_13	2000406-12 PDI-049SC-A-07-08-191015 12.78	06-Mar-20	22:47:33
14	200306R2_14	2000406-13 PDI-059SC-A-11-12-191016 13.47	06-Mar-20	23:35:07
15	200306R2_15	2000406-14 PDI-084SC-A-03-04-191002 18.94	07-Mar-20	00:22:31
16	200306R2_16	2000406-15 PDI-084SC-A-04-05-191002 17.76	07-Mar-20	01:09:56

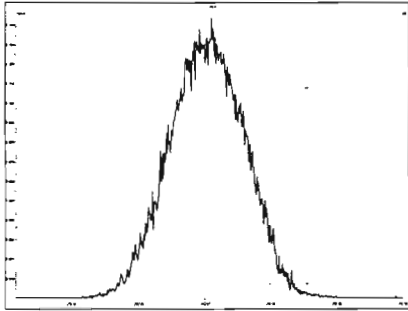
Experiment Calibration Report

MassLynx 4.1 SCN815

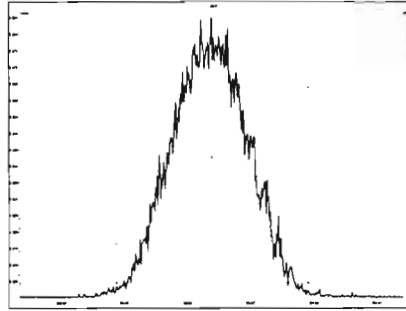
File: Experiment: OCDD_DB5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, March 06, 2020 13:05:44 Pacific Standard Time

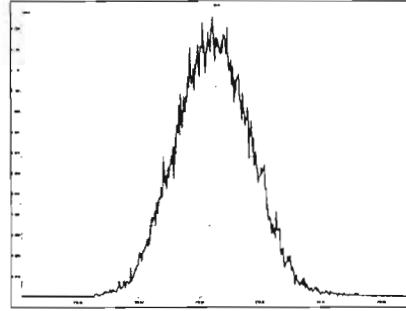
M 292.9824 R 11365



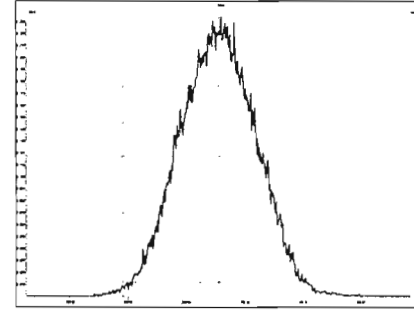
M 304.9824 R 11904



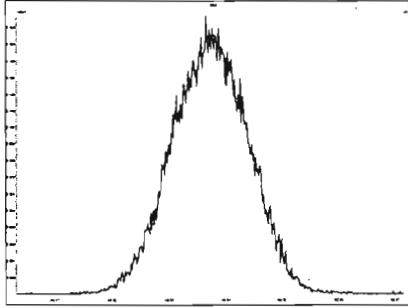
M 318.9792 R 11471



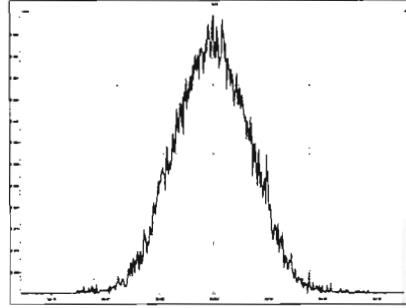
M 330.9792 R 10961



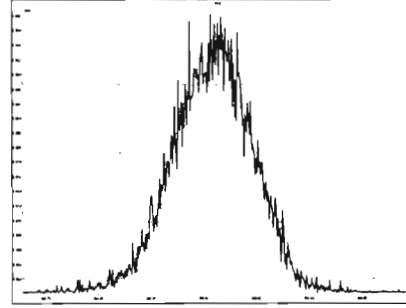
M 342.9792 R 11061



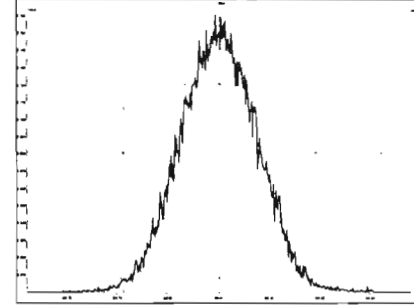
M 354.9792 R 11365



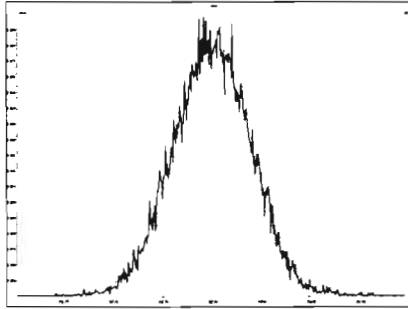
M 366.9792 R 10460



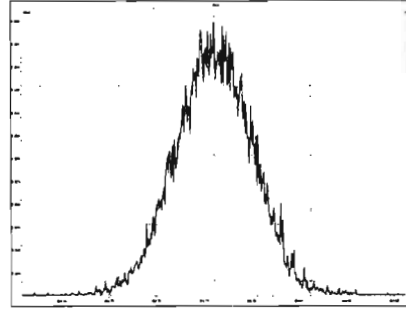
M 380.9760 R 11016



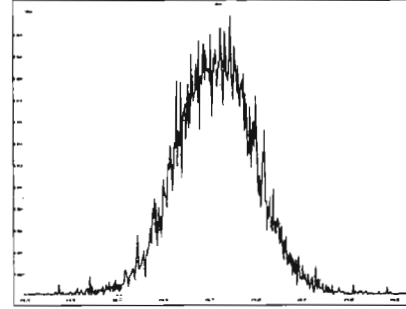
M 392.9760 R 10594



M 404.9760 R 11260



M 416.9760 R 11465



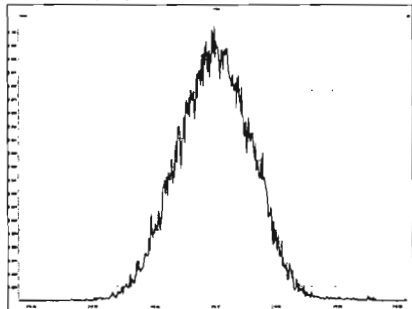
Experiment Calibration Report

MassLynx 4.1 SCN815

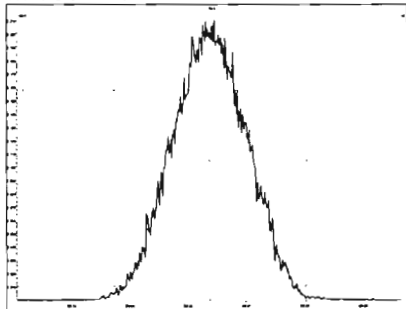
File: Experiment: OCDD_DB5.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, March 06, 2020 13:06:28 Pacific Standard Time

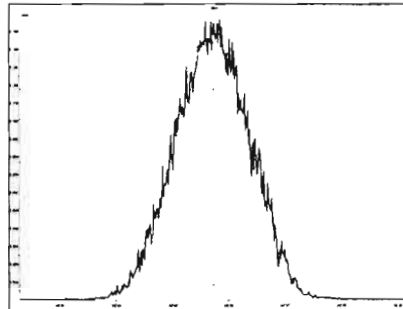
M 318.9792 R 11796



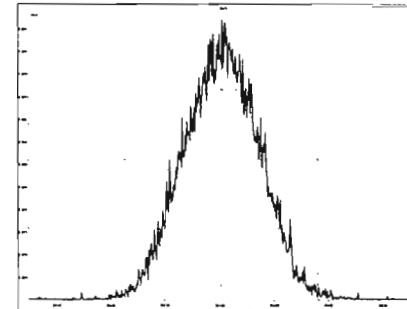
M 330.9792 R 11522



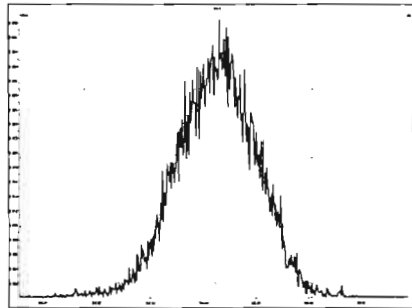
M 342.9792 R 11363



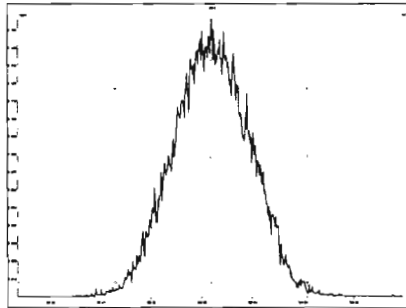
M 354.9792 R 11413



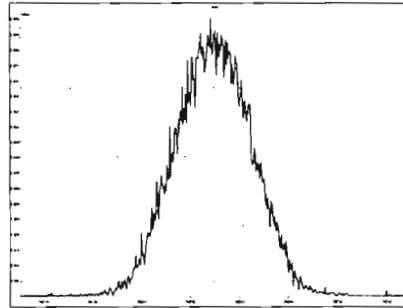
M 366.9792 R 10730



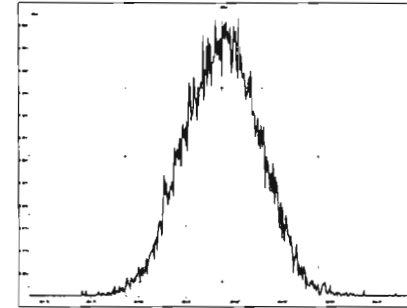
M 380.9760 R 11159



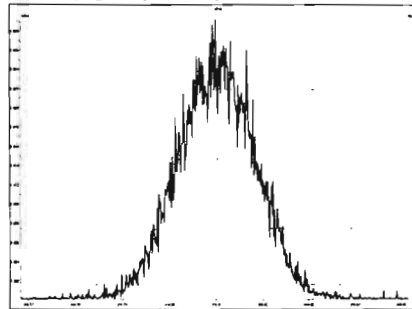
M 392.9760 R 11575



M 404.9760 R 11061



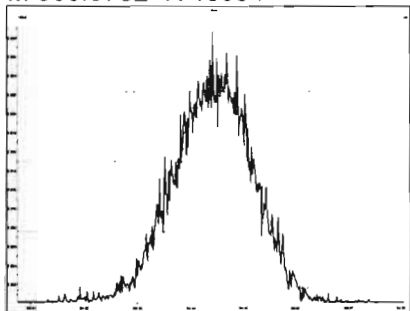
M 416.9760 R 10728



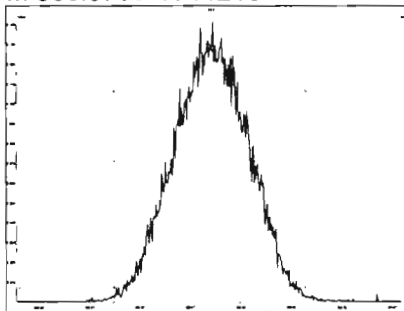
File: Experiment: OCDD_DB5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, March 06, 2020 13:07:06 Pacific Standard Time

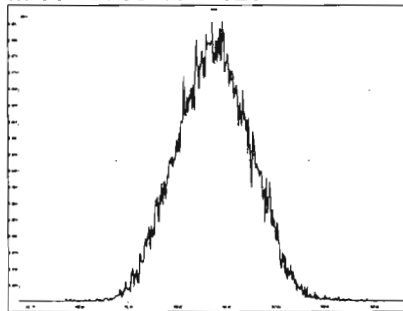
M 366.9792 R 10504



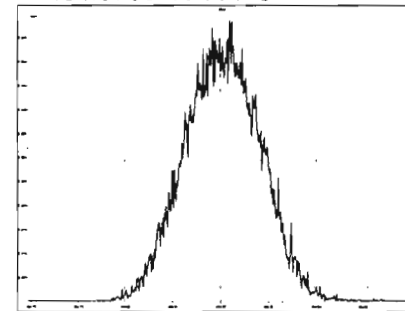
M 380.9760 R 11210



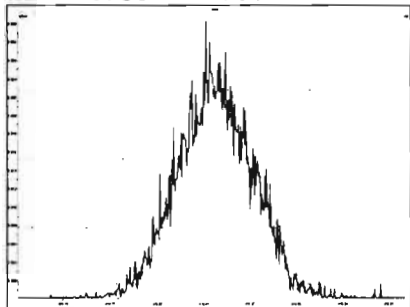
M 392.9760 R 11629



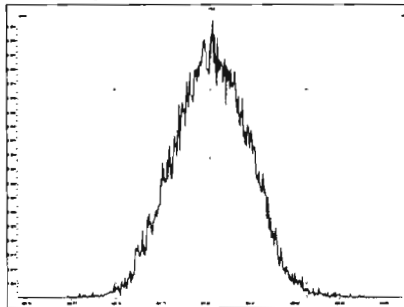
M 404.9760 R 11415



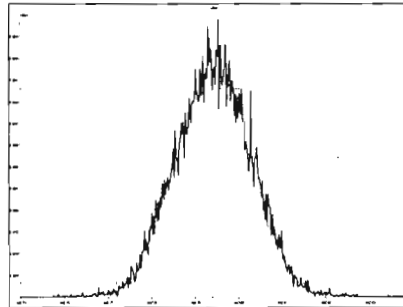
M 416.9760 R 11795



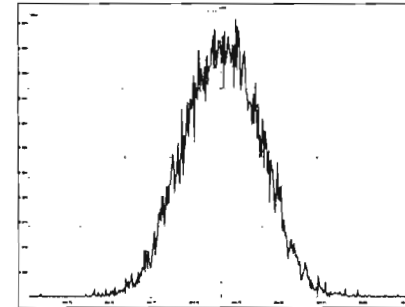
M 430.9728 R 11108



M 442.9728 R 11415



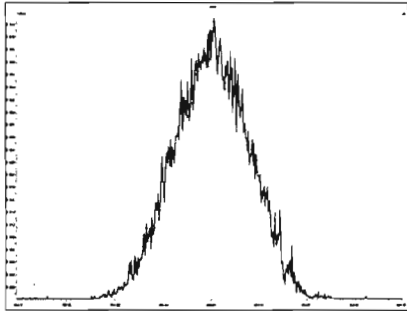
M 454.9728 R 11063



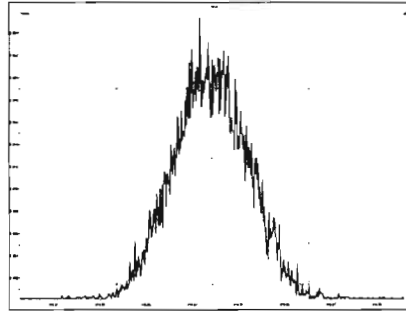
File: Experiment: OCDD_DB5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, March 06, 2020 13:07:43 Pacific Standard Time

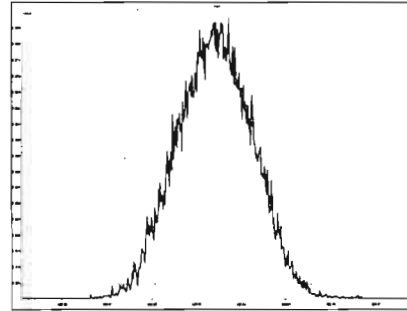
M 404.9760 R 11211



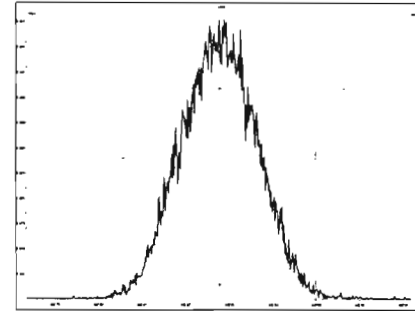
M 416.9760 R 10964



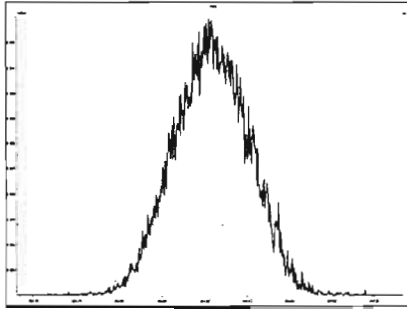
M 430.9728 R 11263



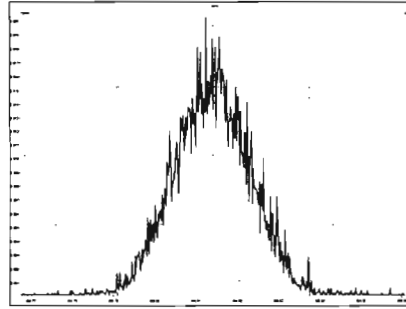
M 442.9728 R 11211



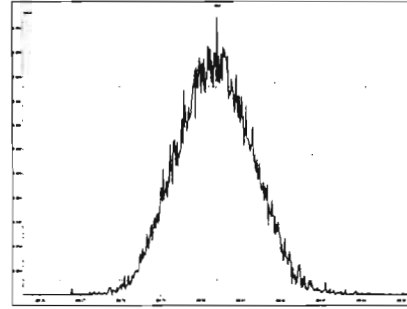
M 454.9728 R 11576



M 466.9728 R 11313



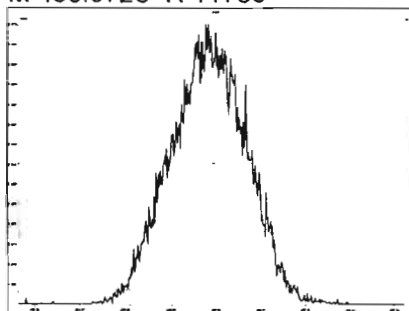
M 480.9696 R 11904



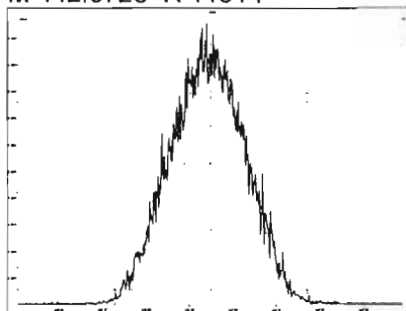
File: Experiment: OCDD_DB5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, March 06, 2020 13:08:16 Pacific Standard Time

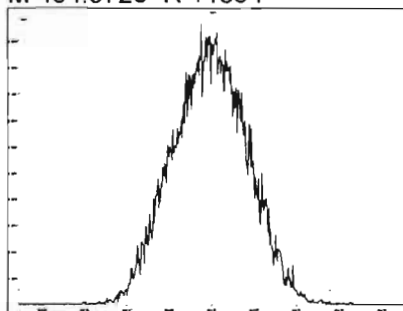
M 430.9728 R 11736



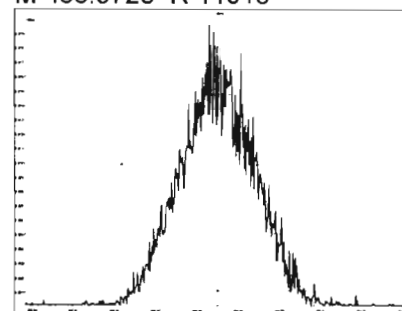
M 442.9728 R 11314



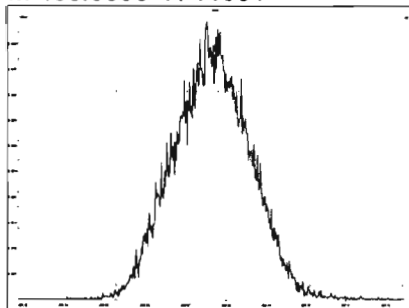
M 454.9728 R 11364



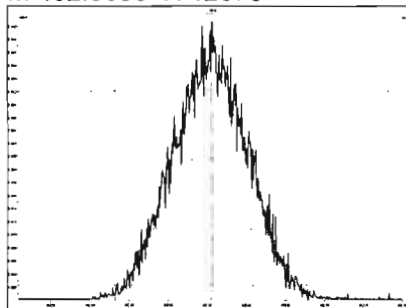
M 466.9728 R 11015



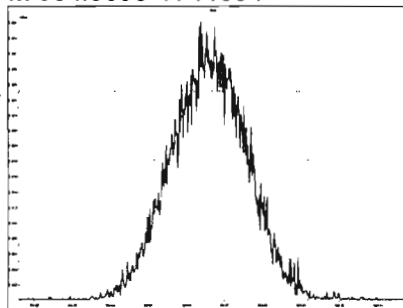
M 480.9696 R 11361



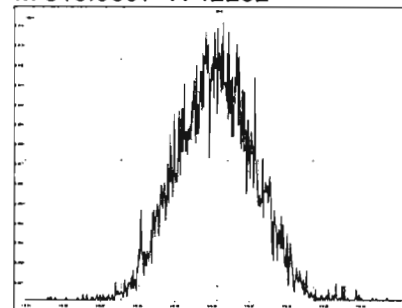
M 492.9696 R 12376



M 504.9696 R 11064



M 516.9697 R 12252



Dataset: Untitled

Last Altered: Monday, March 09, 2020 08:48:00 Pacific Daylight Time

Printed: Monday, March 09, 2020 08:48:29 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 06 Mar 2020 18:12:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200306R2_4, Date: 06-Mar-2020, Time: 15:32:12, ID: ST200306R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.53
2	2 1,2,8,9-TCDD (Last)	26.81
3	3 1,2,4,7,9-PeCDD (First)	28.70
4	4 1,2,3,8,9-PeCDD (Last)	31.38
5	5 1,2,4,6,7,9-HxCDD (First)	32.90
6	6 1,2,3,7,8,9-HxCDD (Last)	34.74
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.17
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.21
9	9 1,3,6,8-TCDF (First)	19.52
10	10 1,2,8,9-TCDF (Last)	26.96
11	11 1,3,4,6,8-PeCDF (First)	26.93
12	12 1,2,3,8,9-PeCDF (Last)	31.63
13	13 1,2,3,4,6,8-HxCDF (First)	32.34
14	14 1,2,3,7,8,9-HxCDF (Last)	35.08
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.79
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.82

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Monday, March 09, 2020 08:48:00 Pacific Daylight Time

Printed: Monday, March 09, 2020 08:48:29 Pacific Daylight Time

GRB 03/09/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 06 Mar 2020 18:12:45

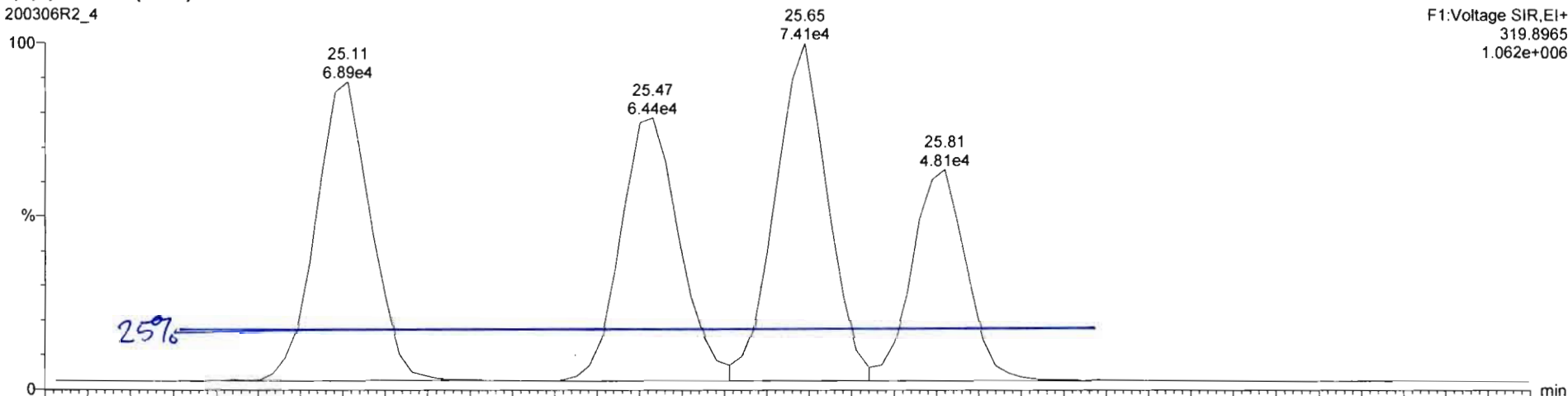
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200306R2_4, Date: 06-Mar-2020, Time: 15:32:12, ID: ST200306R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

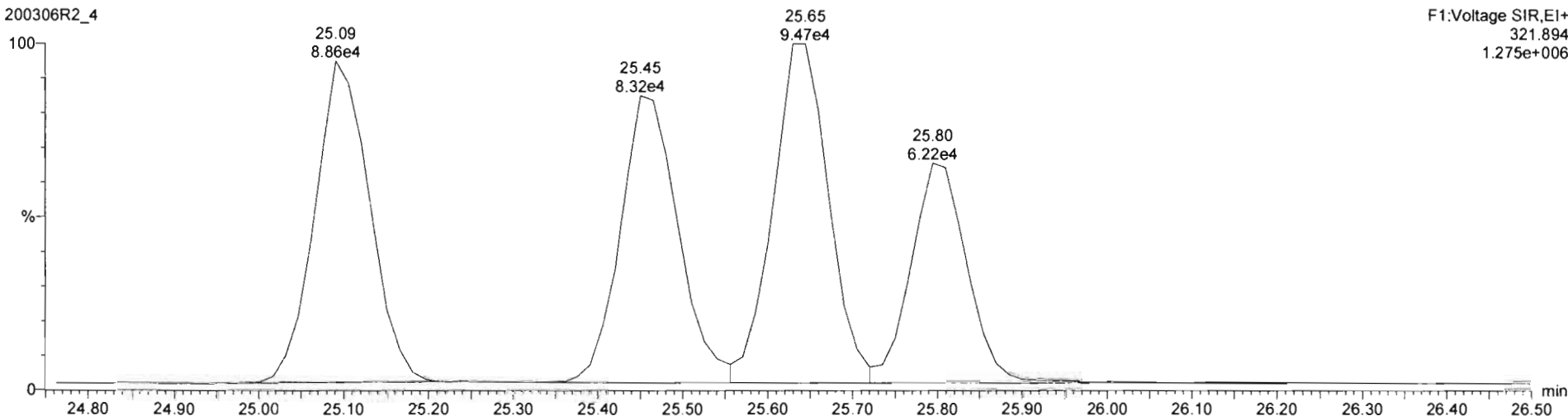
200306R2_4

F1:Voltage SIR,EI+
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1.062e+006



200306R2_4

F1:Voltage SIR,EI+
321.894
1.275e+006



Dataset: Untitled

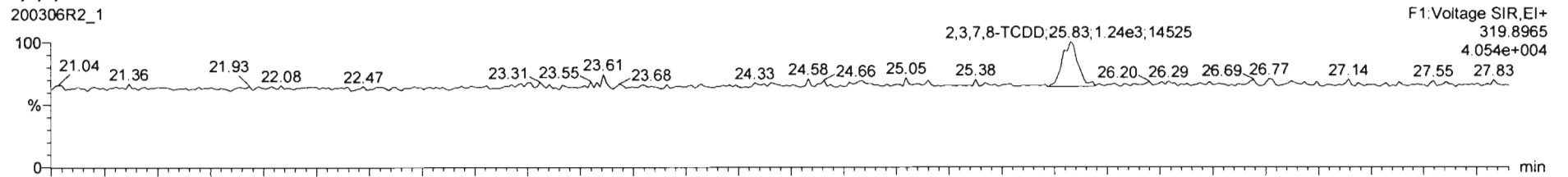
Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-3-6-20.mdb 06 Mar 2020 12:03:08
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

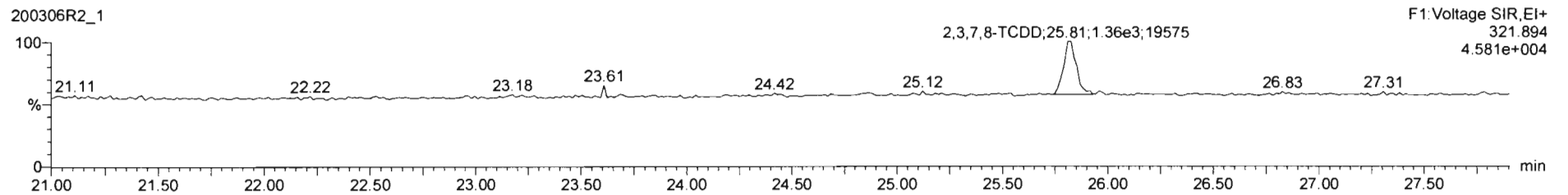
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2,3,7,8-TCDD

200306R2_1

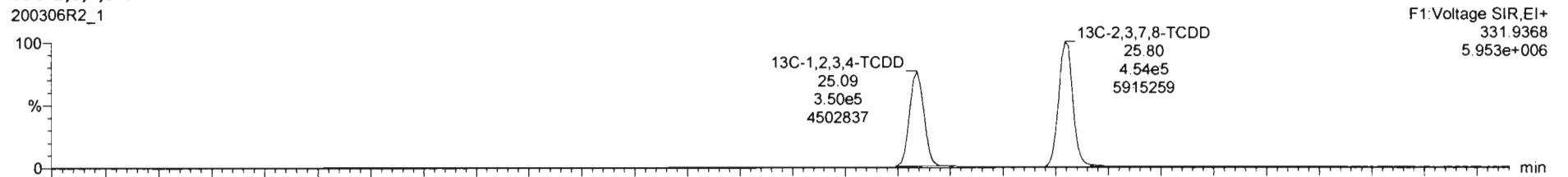


200306R2_1

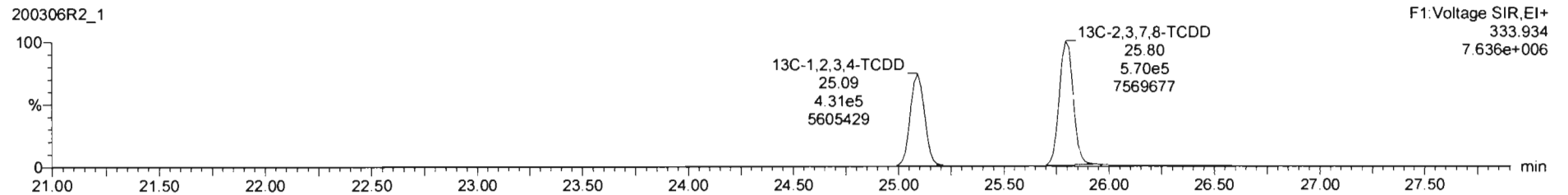


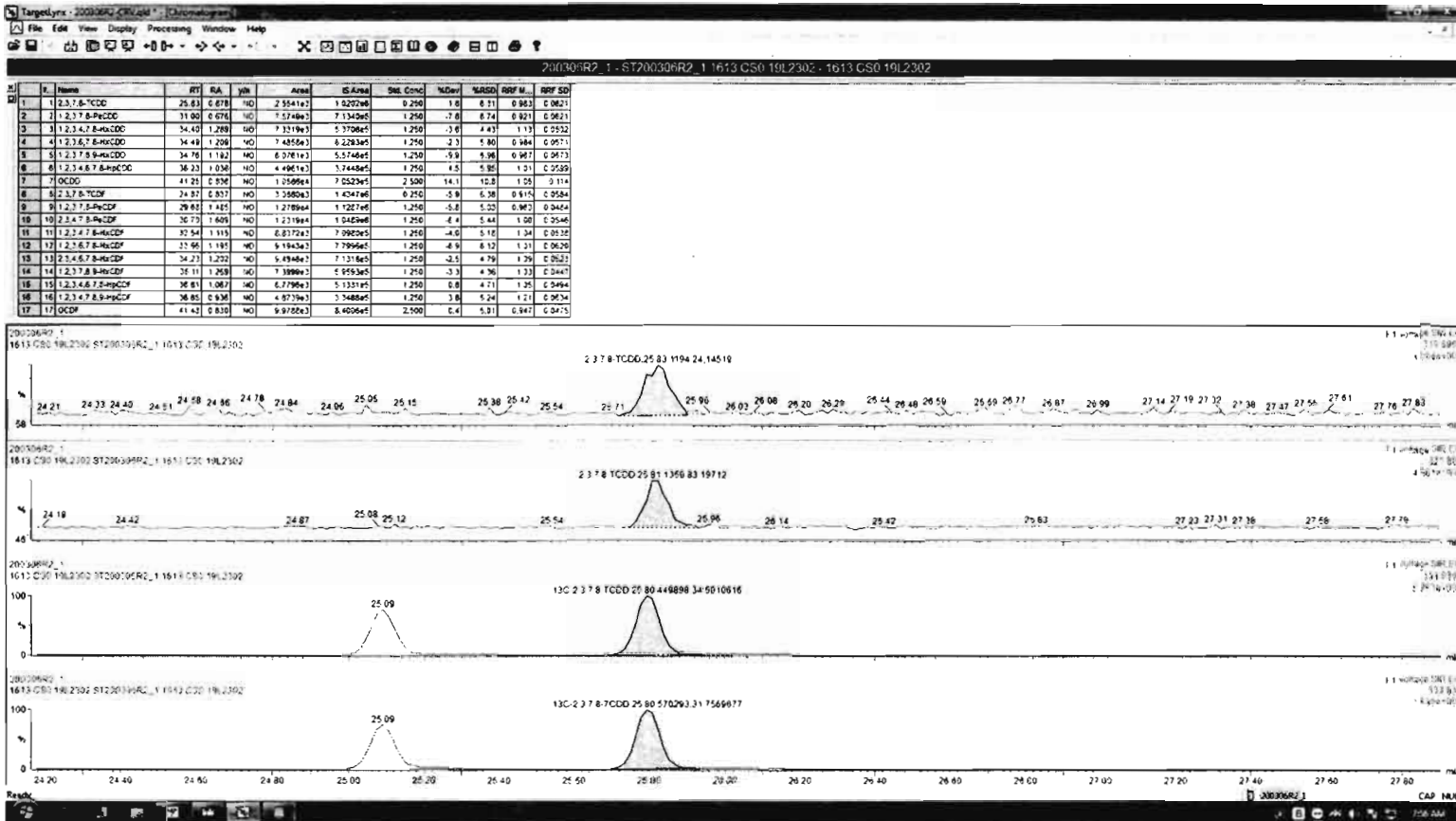
13C-2,3,7,8-TCDD

200306R2_1



200306R2_1





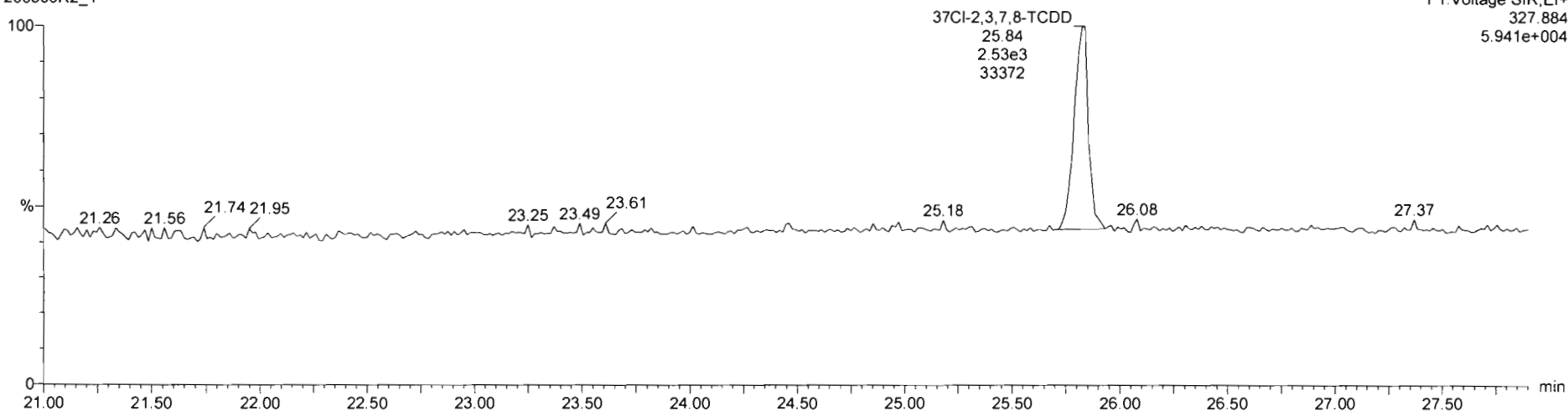
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

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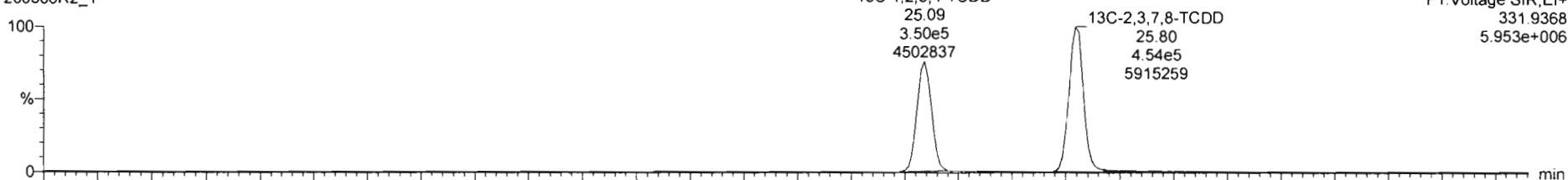
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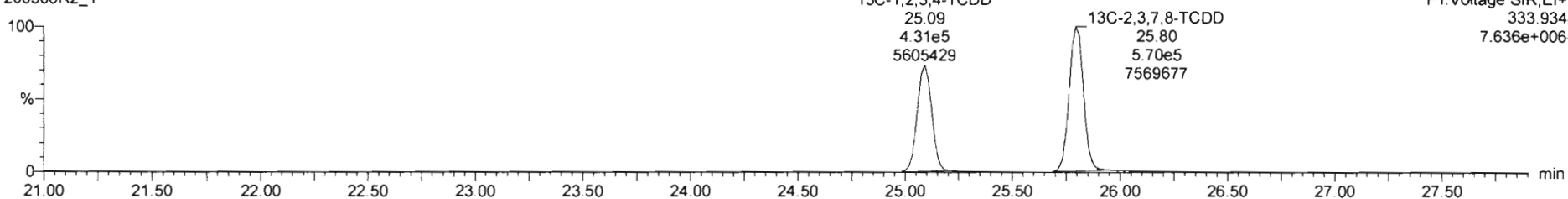


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200306R2_1



200306R2_1



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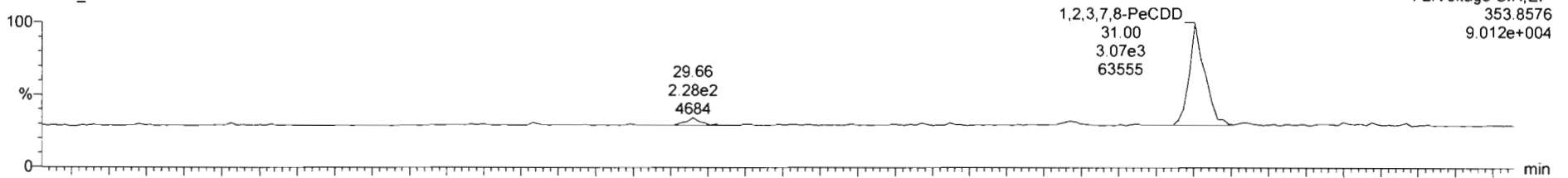
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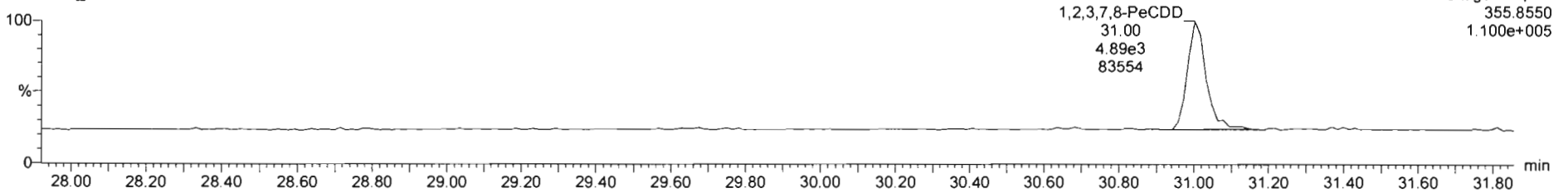
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1,2,3,7,8-PeCDD

200306R2_1

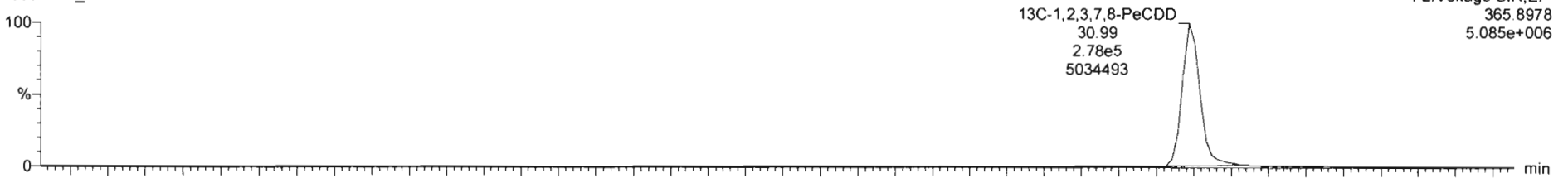


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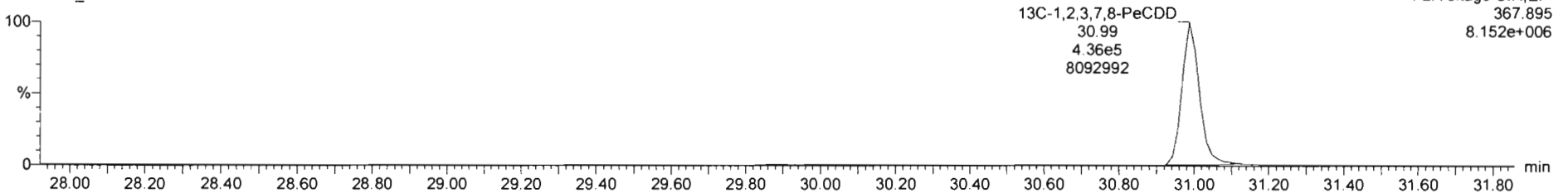


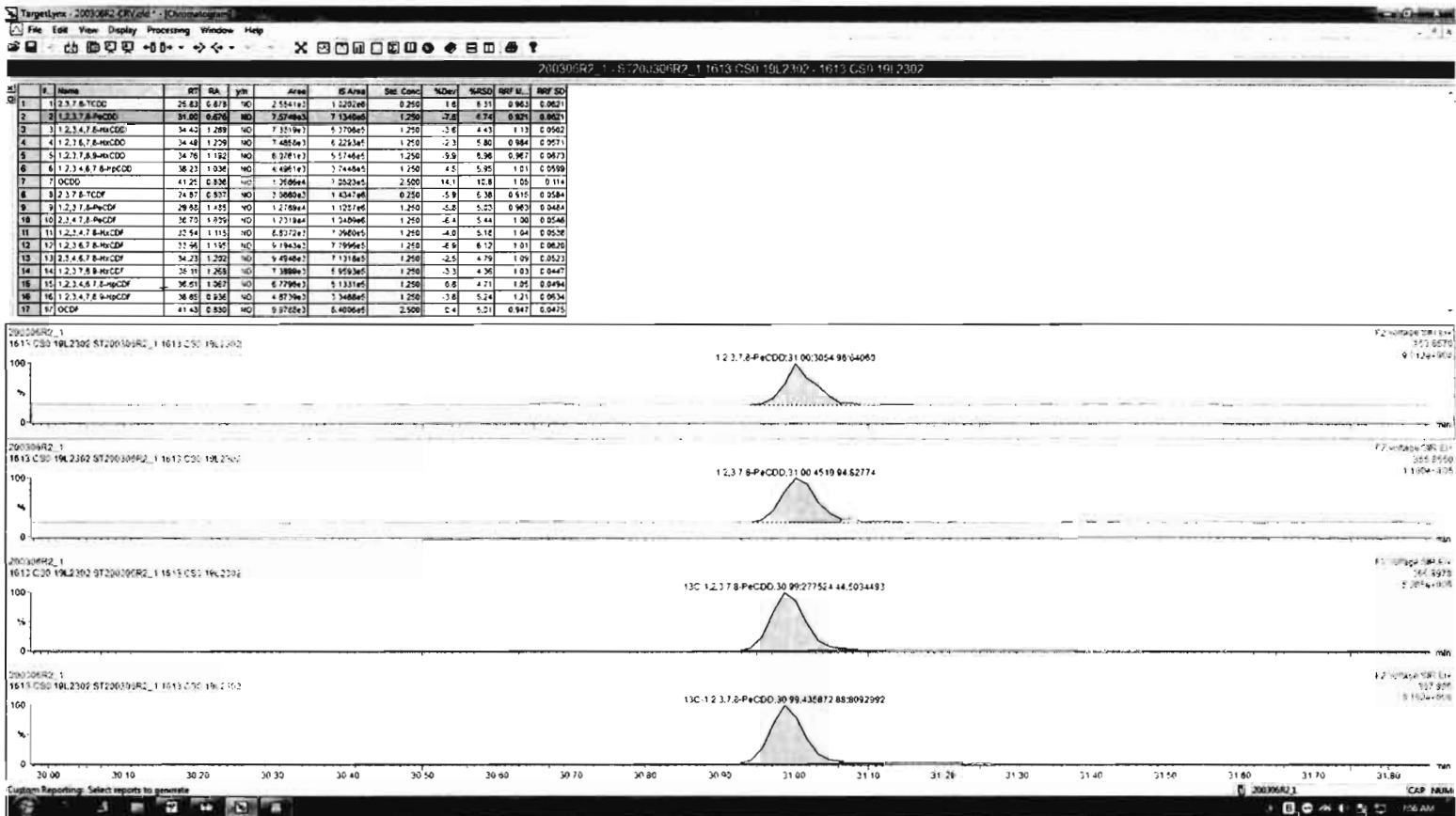
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200306R2_1





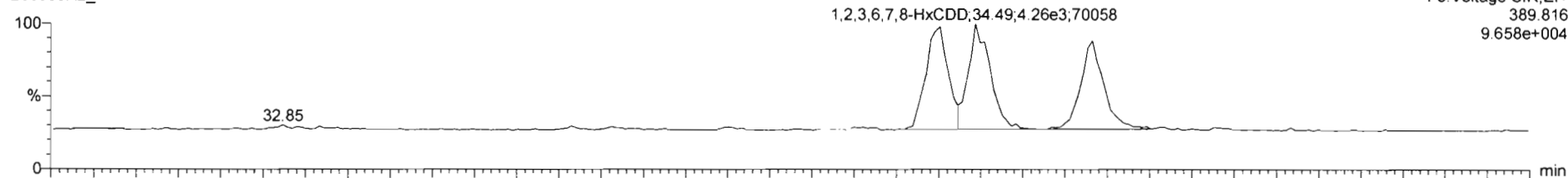
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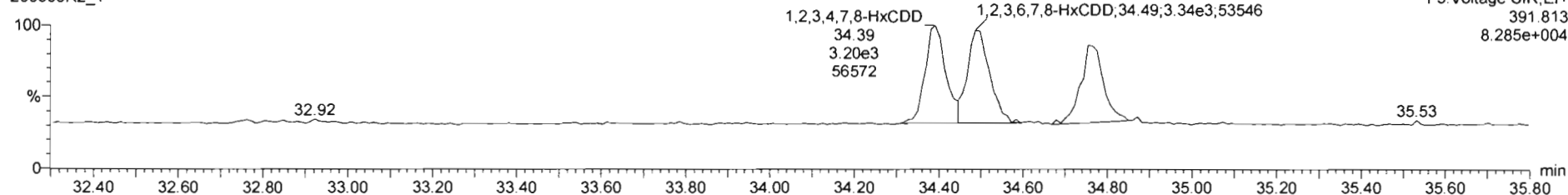
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1,2,3,4,7,8-HxCDD

200306R2_1

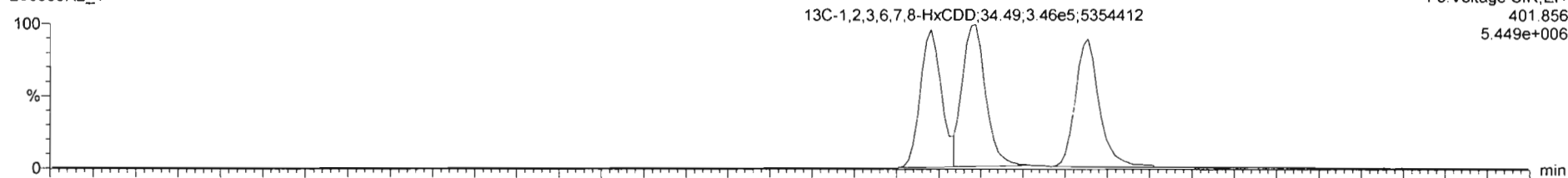


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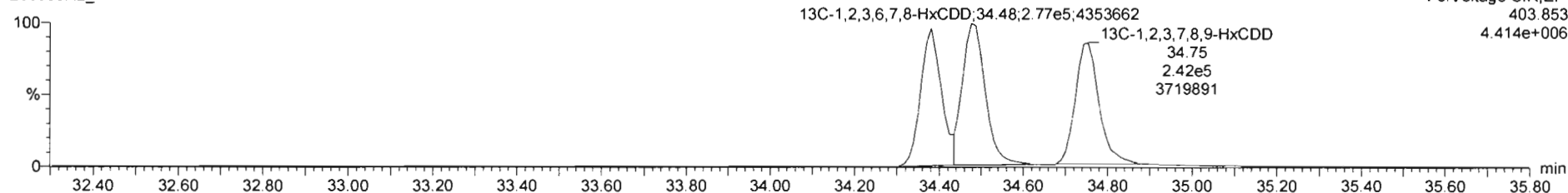


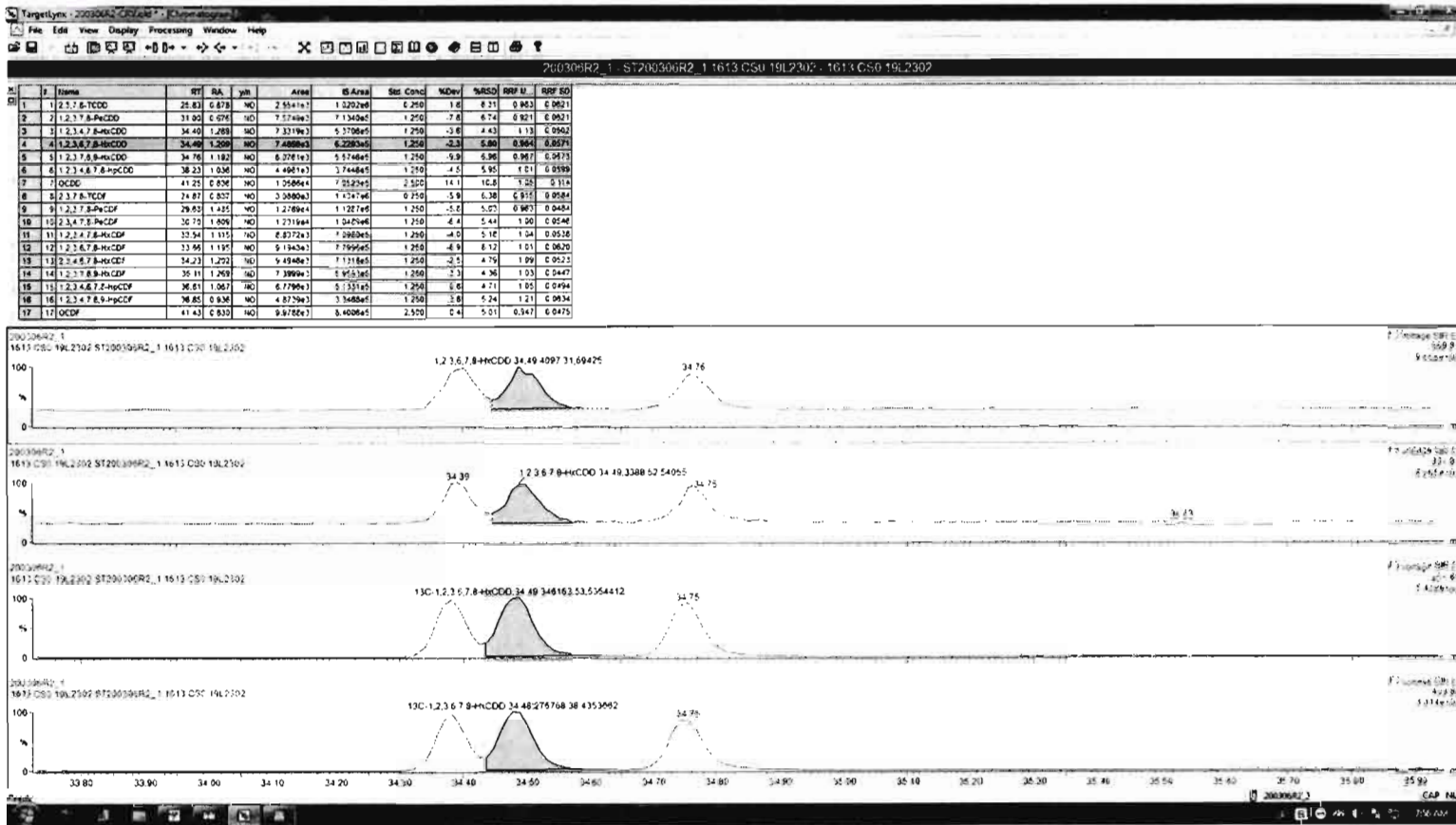
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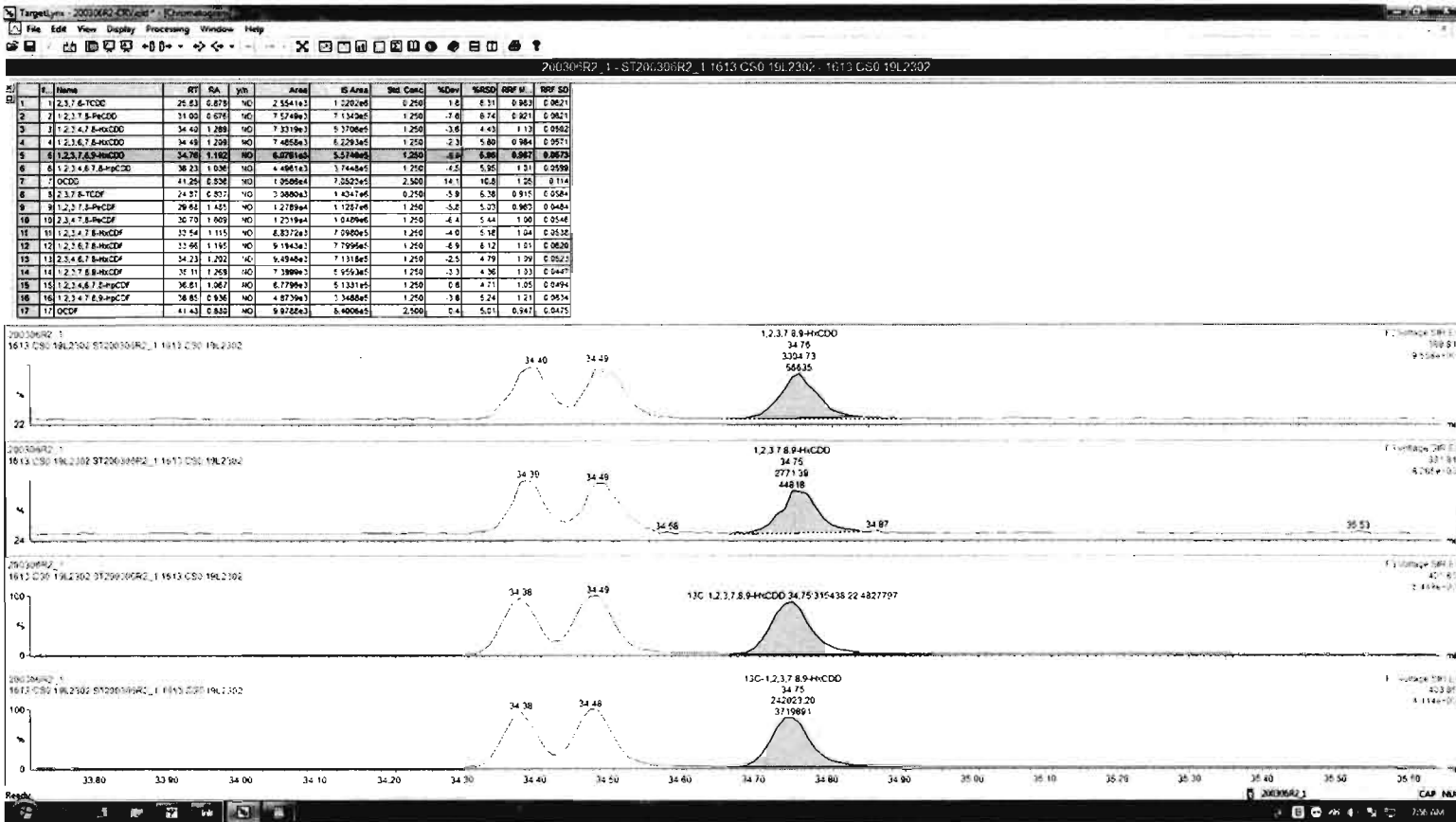
200306R2_1



200306R2_1







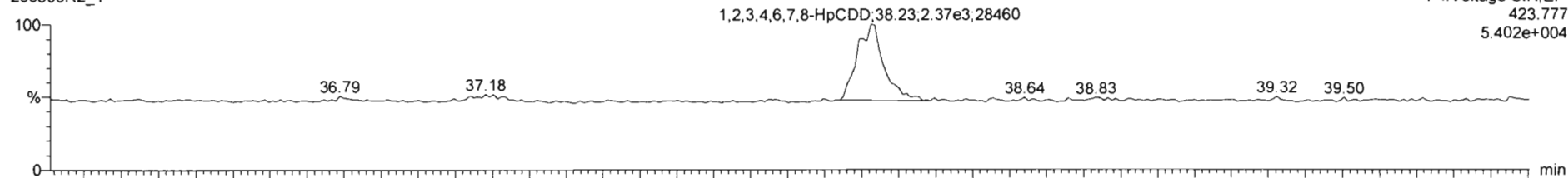
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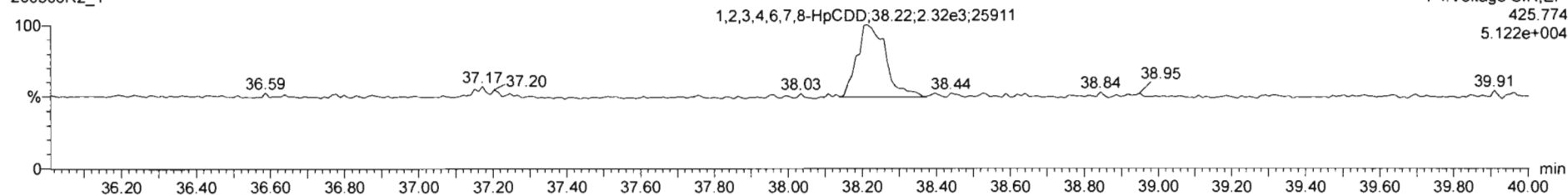
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1,2,3,4,6,7,8-HpCDD

200306R2_1

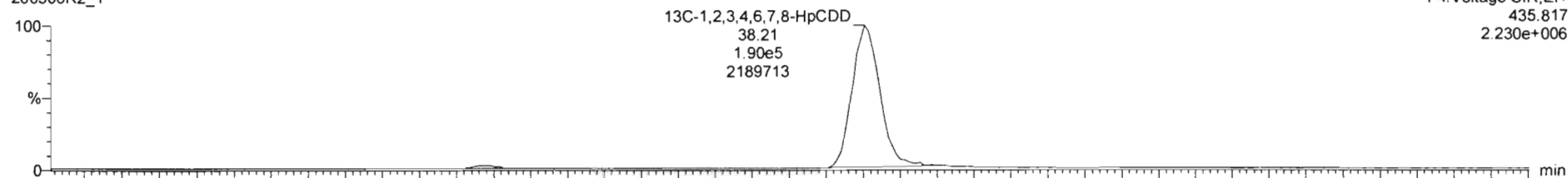


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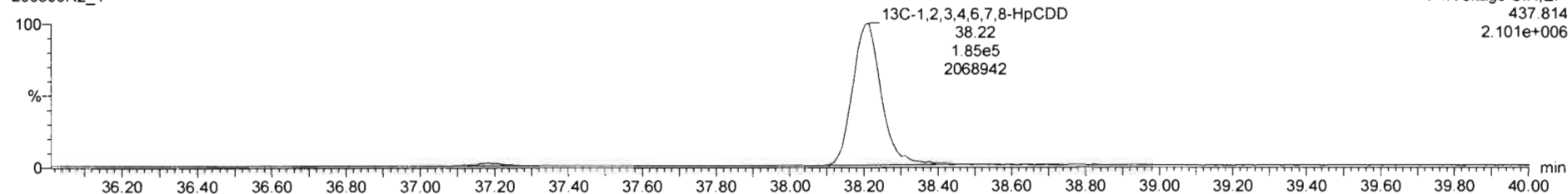


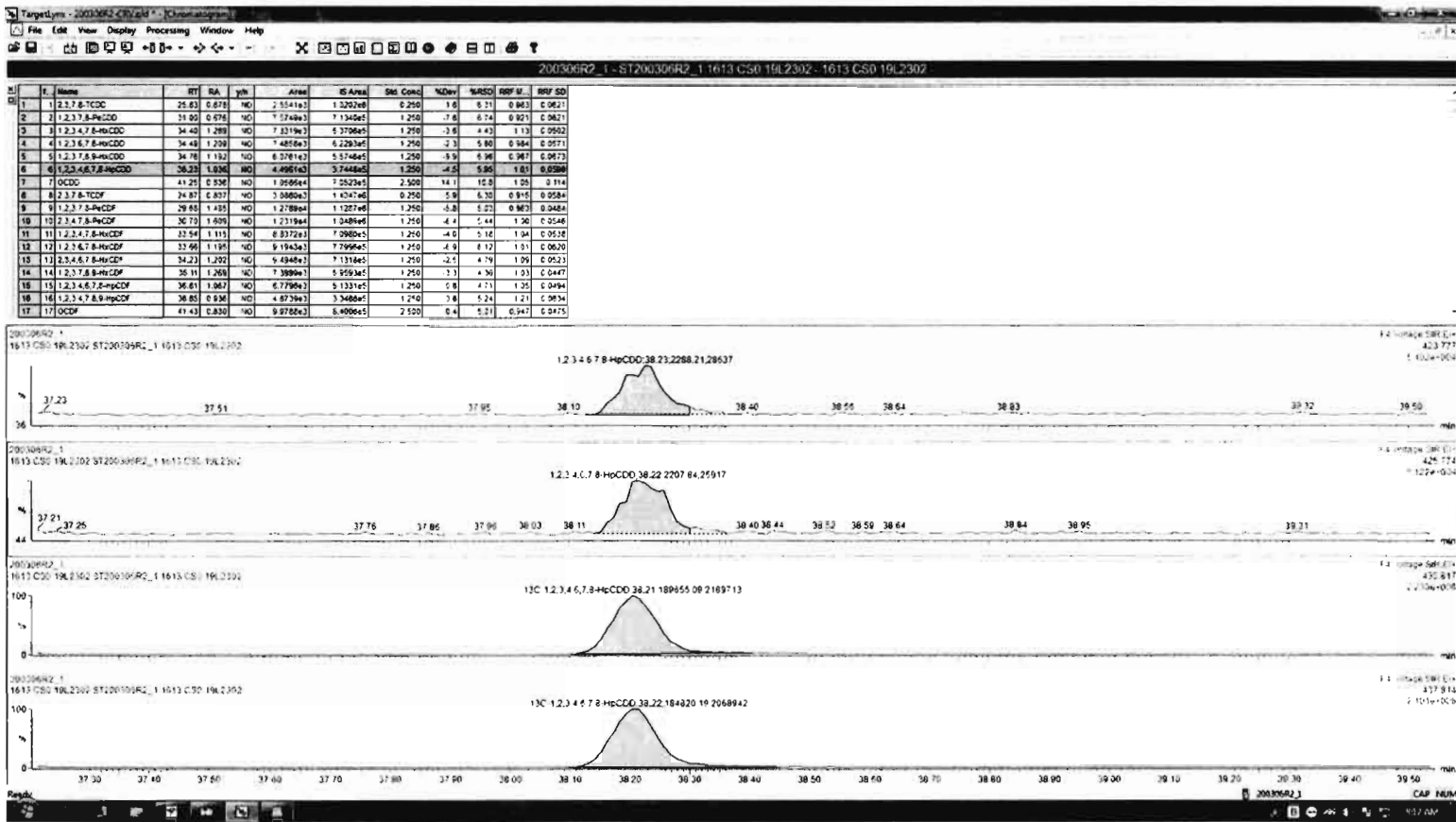
13C-1,2,3,4,6,7,8-HpCDD

200306R2_1



200306R2_1





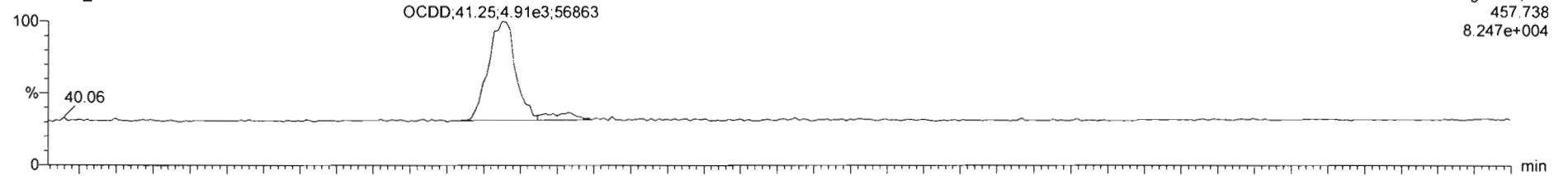
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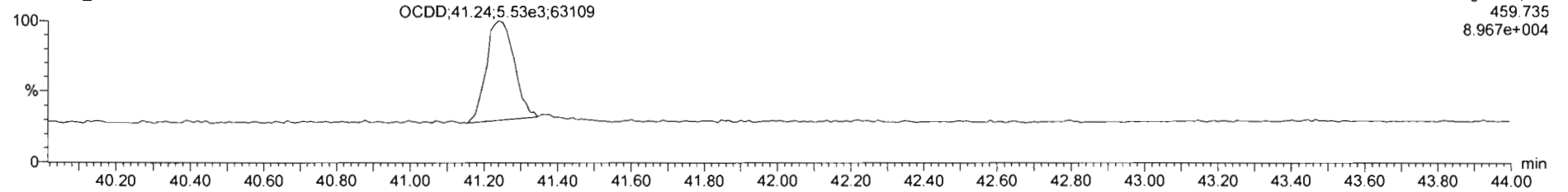
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OCDD

200306R2_1



200306R2_1

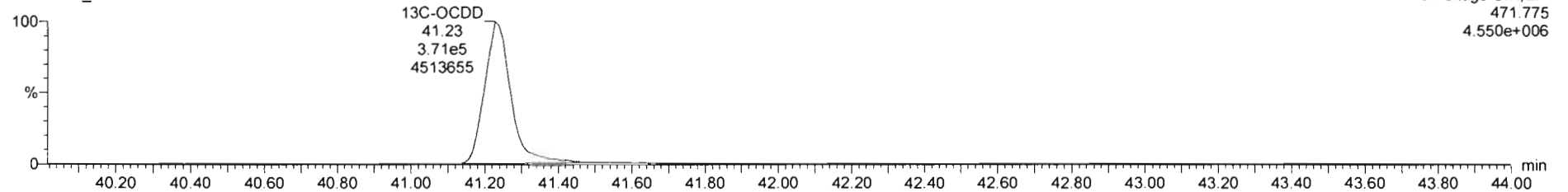


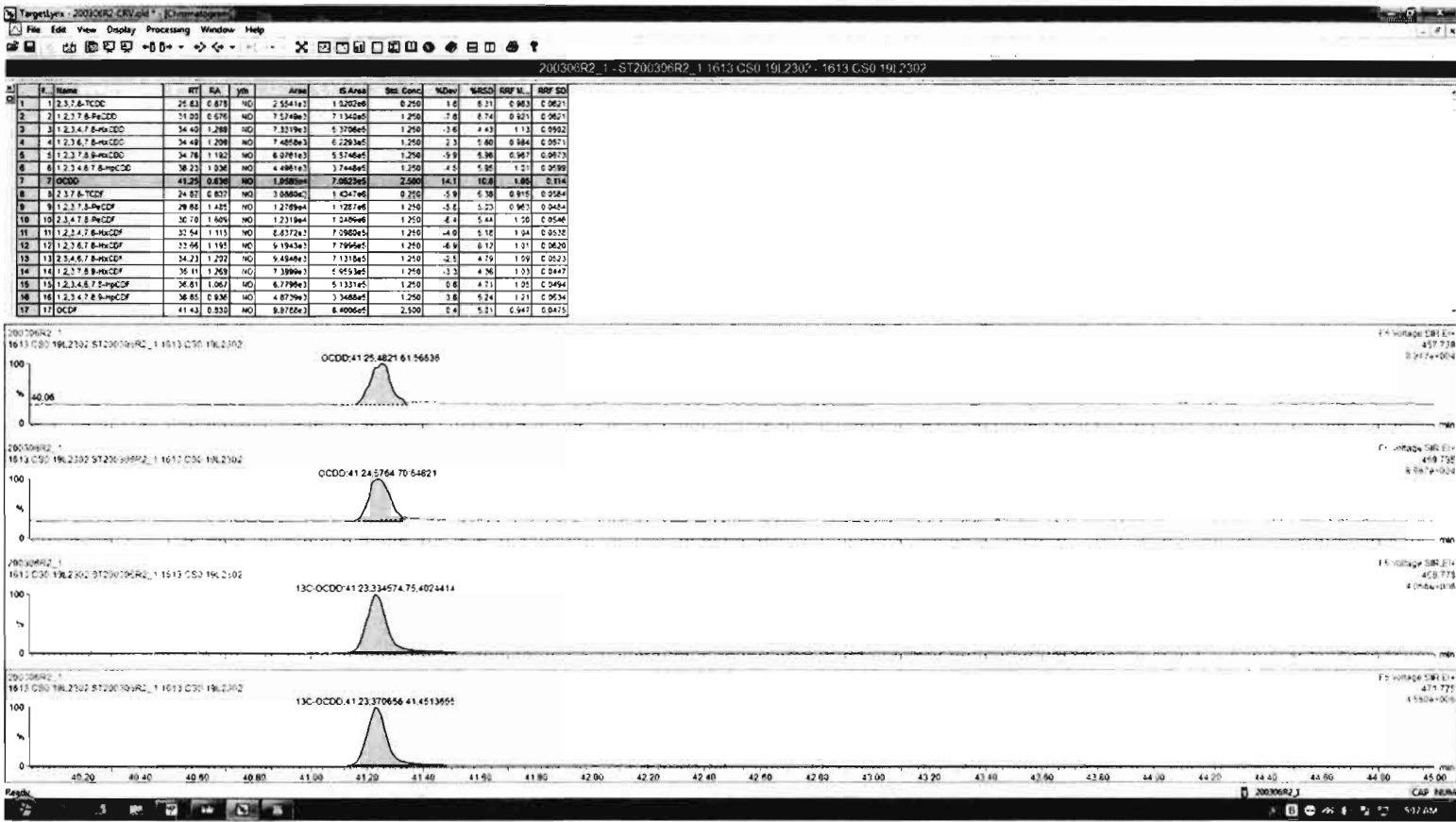
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200306R2_1



200306R2_1





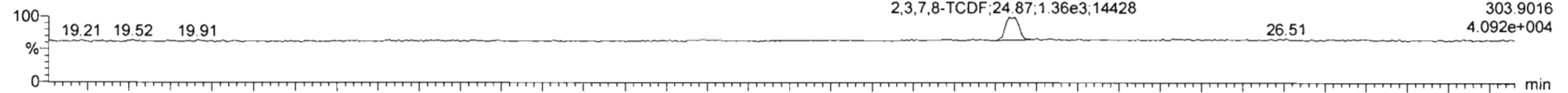
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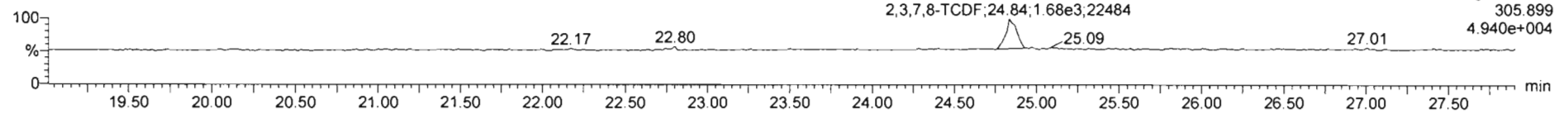
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2,3,7,8-TCDF

200306R2_1

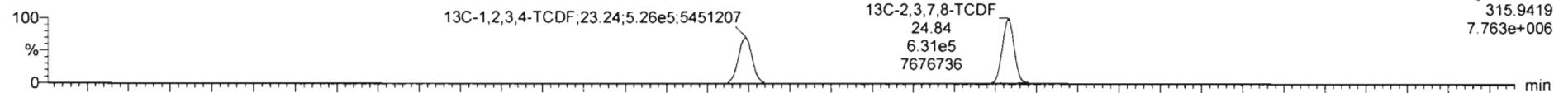


200306R2_1

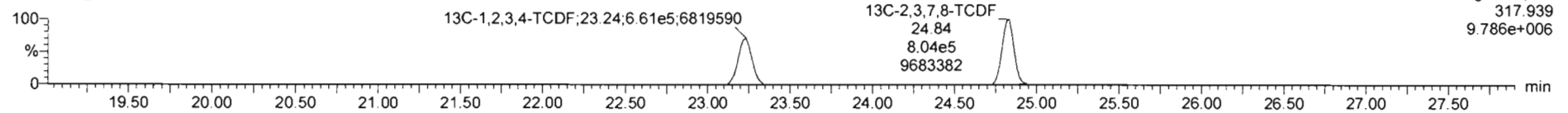


13C-2,3,7,8-TCDF

200306R2_1

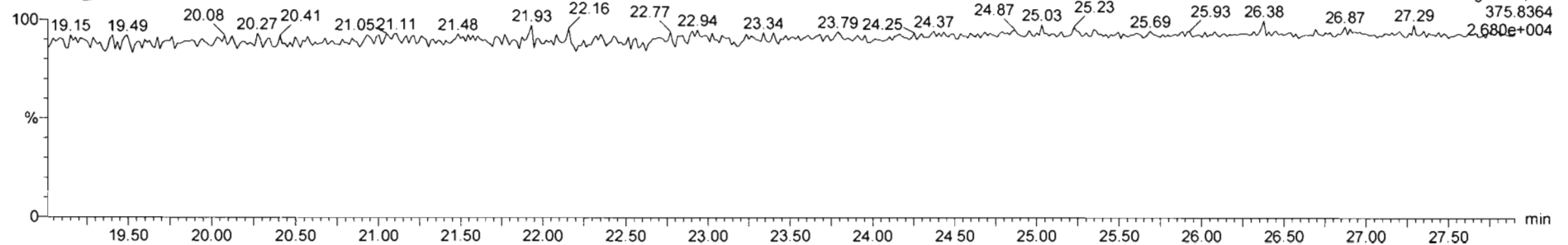


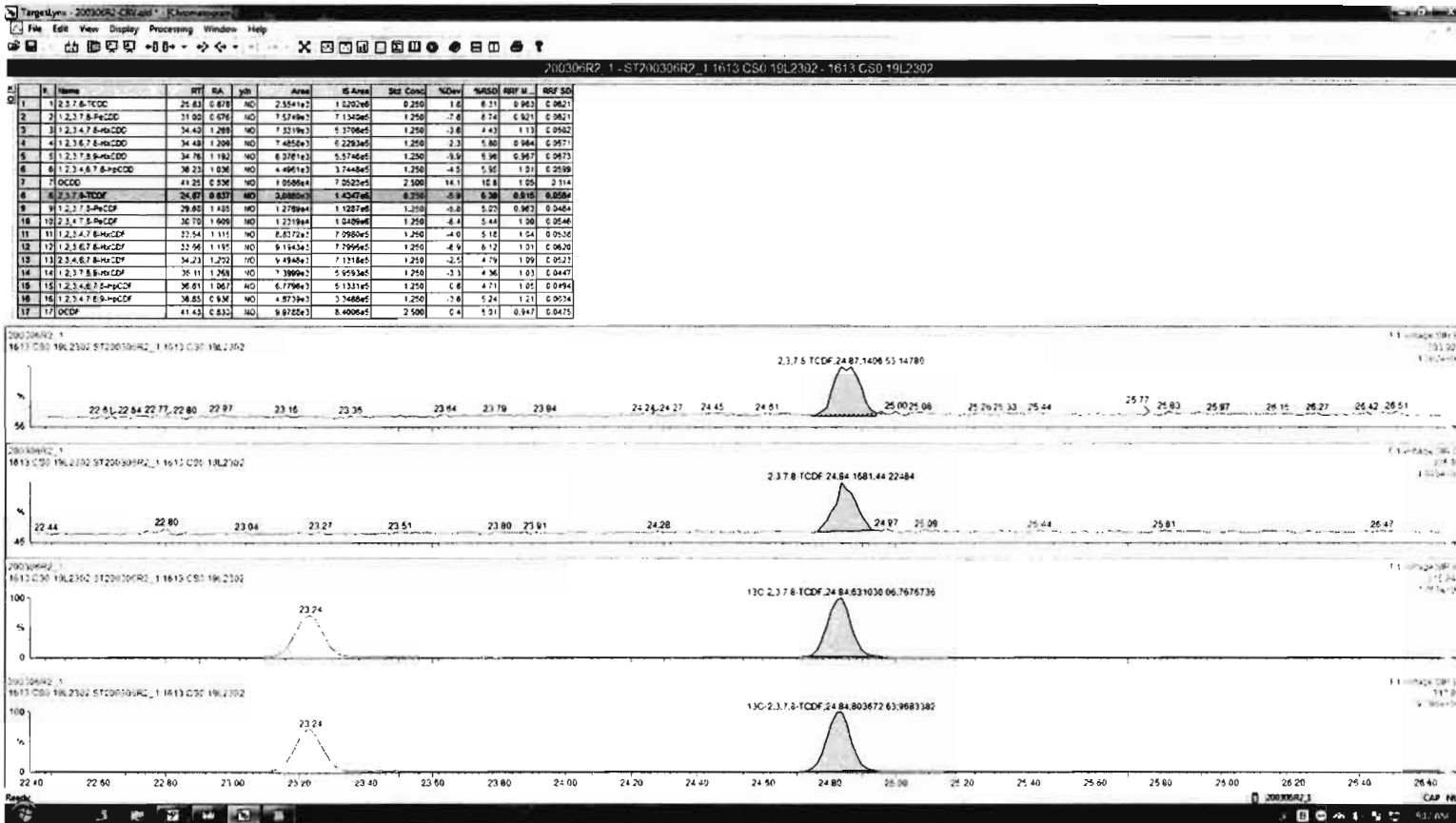
200306R2_1



DPE1

200306R2_1





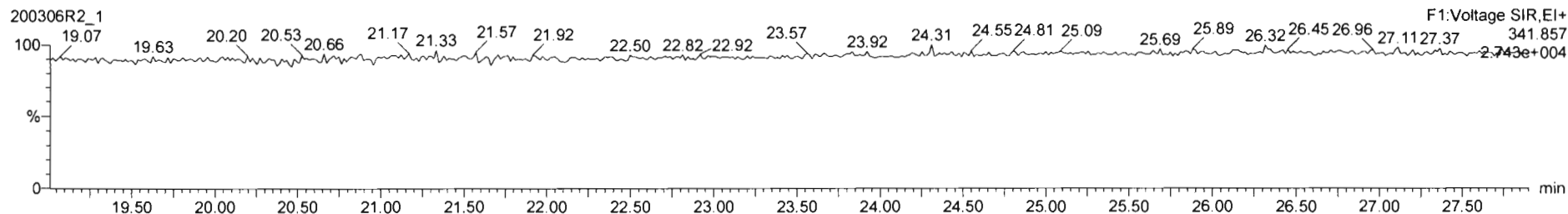
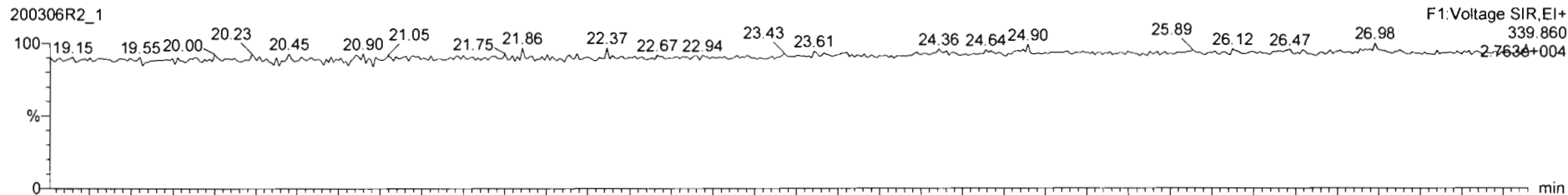
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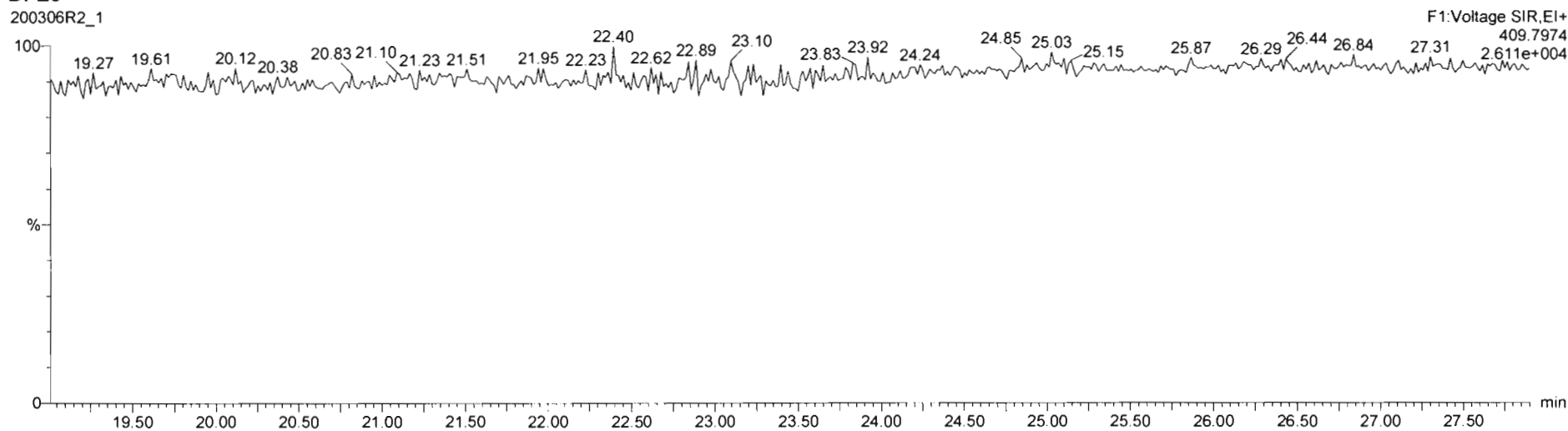
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DPE6



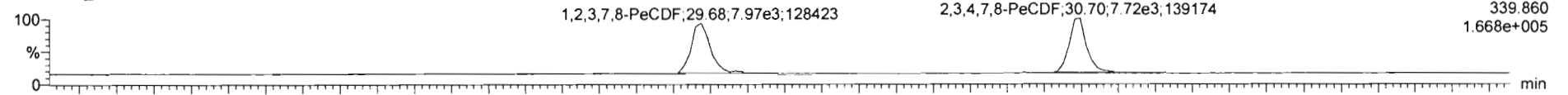
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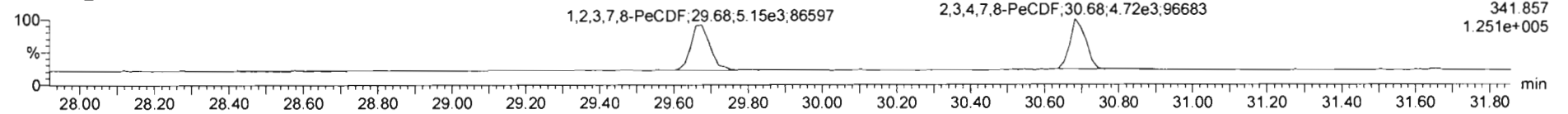
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1,2,3,7,8-PeCDF

200306R2_1

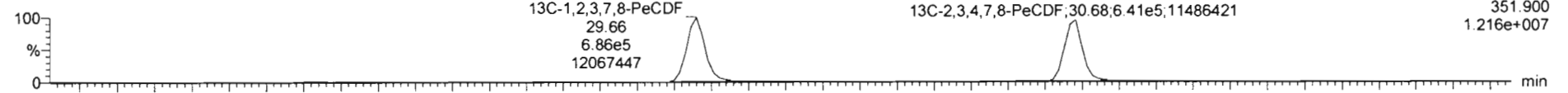


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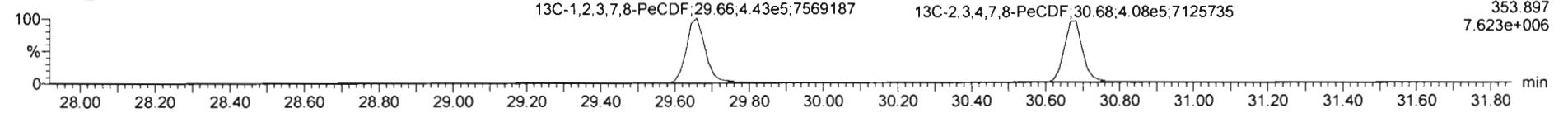


13C-1,2,3,7,8-PeCDF

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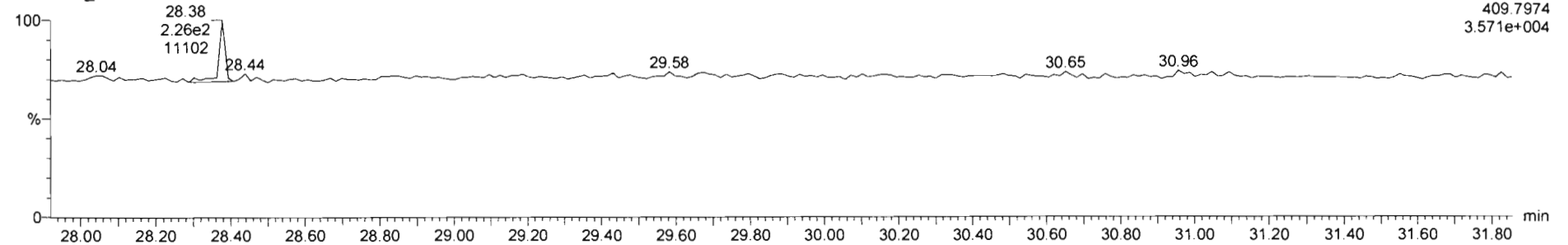


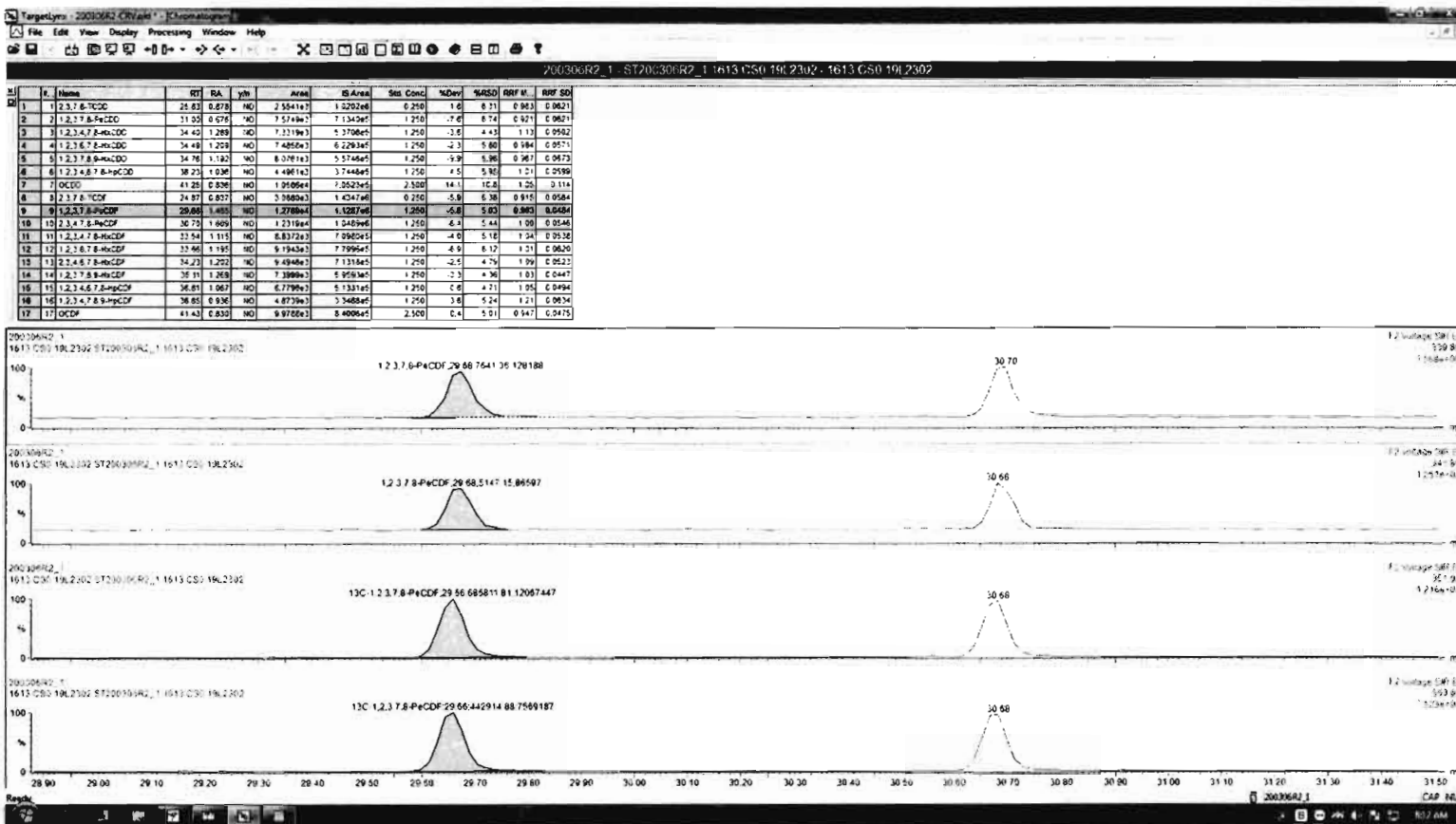
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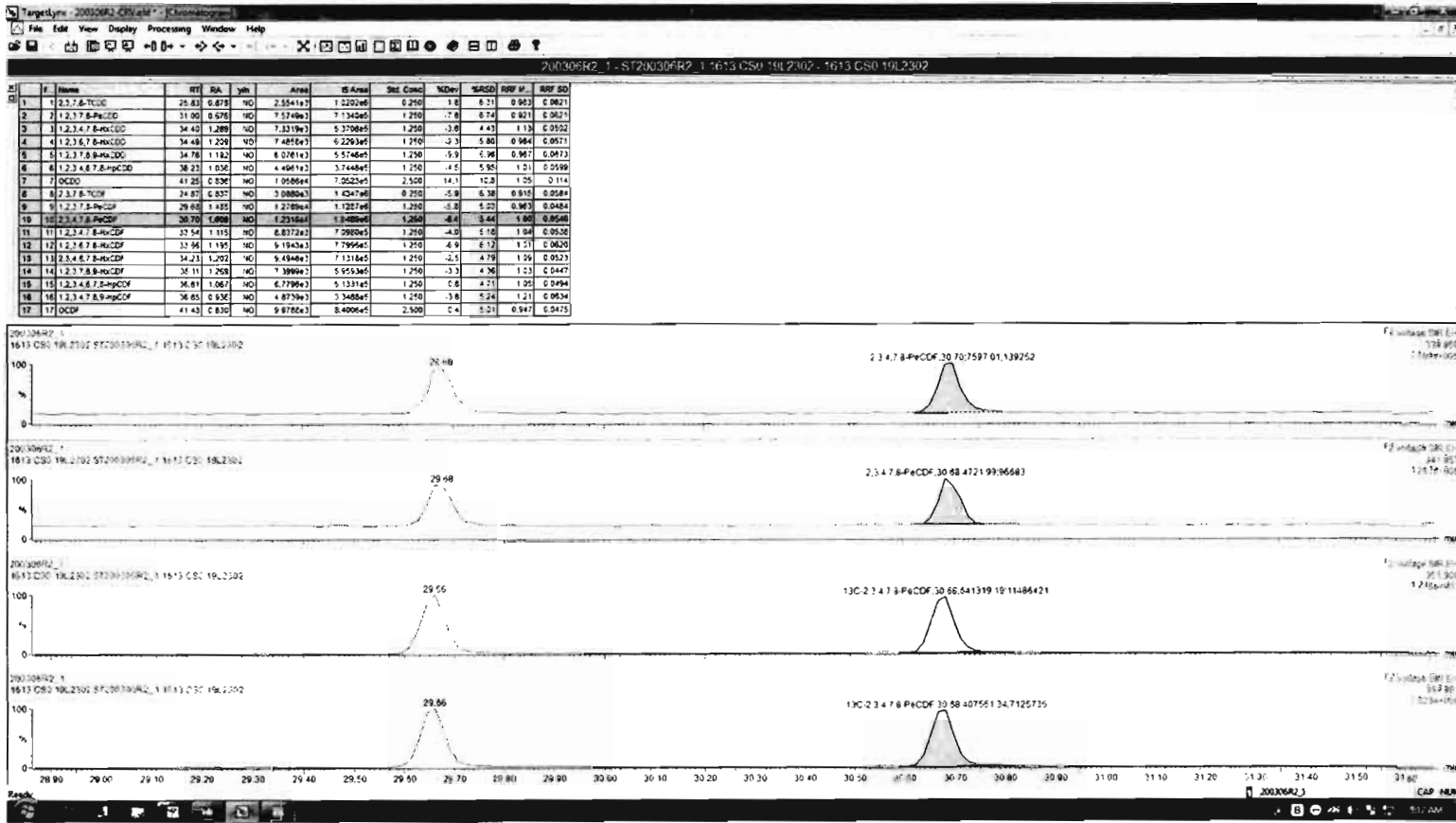


DPE2

200306R2_1







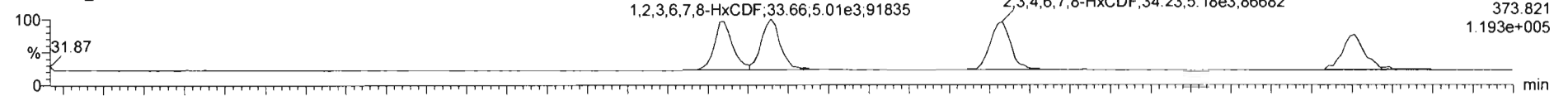
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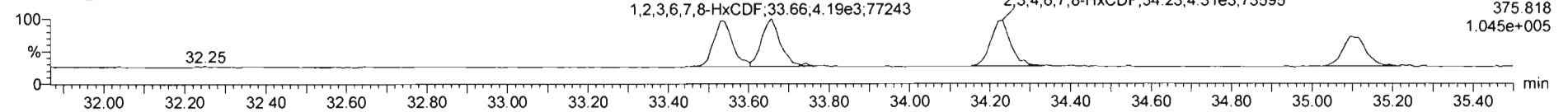
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1,2,3,4,7,8-HxCDF

200306R2_1

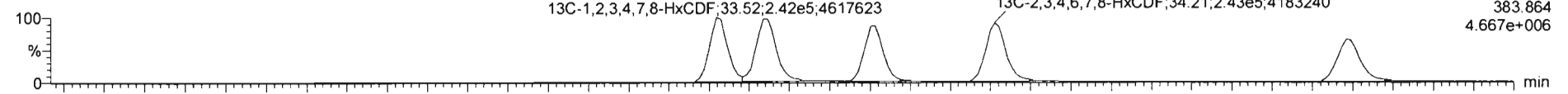


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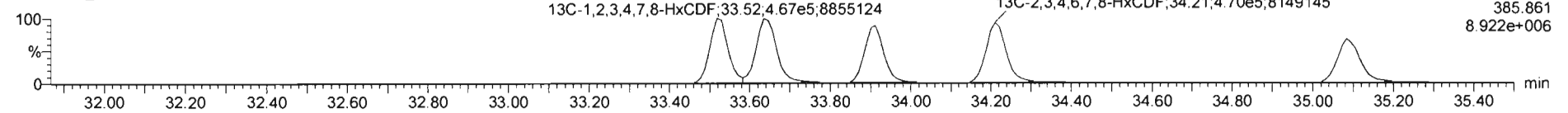


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200306R2_1

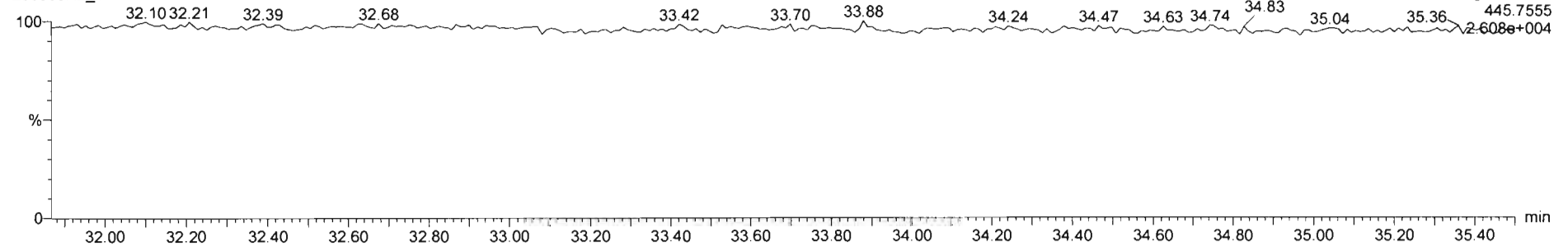


200306R2_1



DPE3

200306R2_1

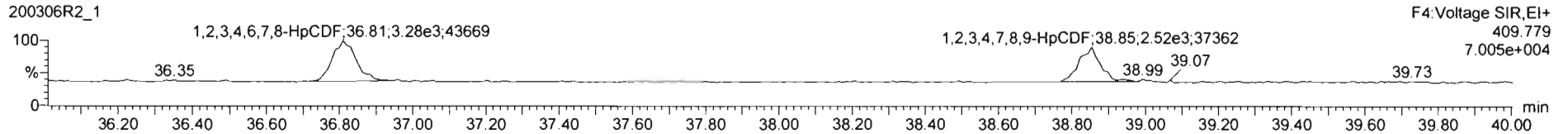
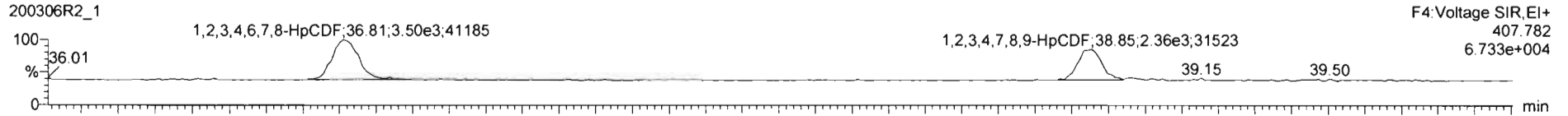


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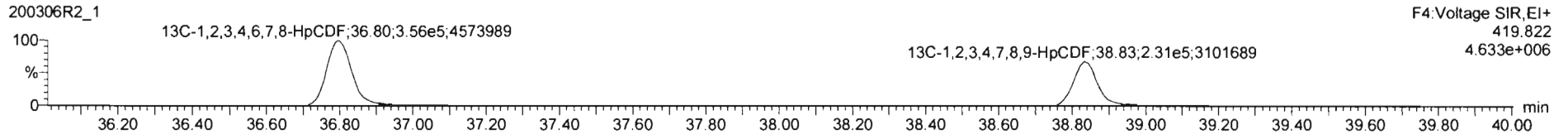
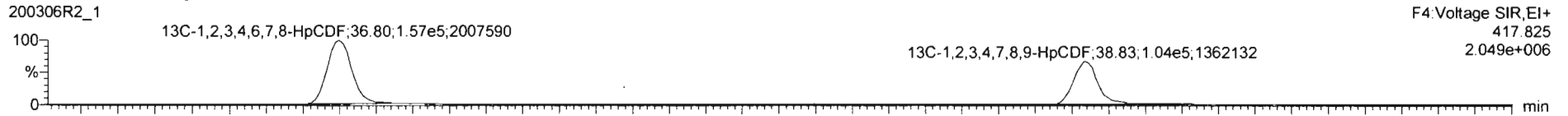
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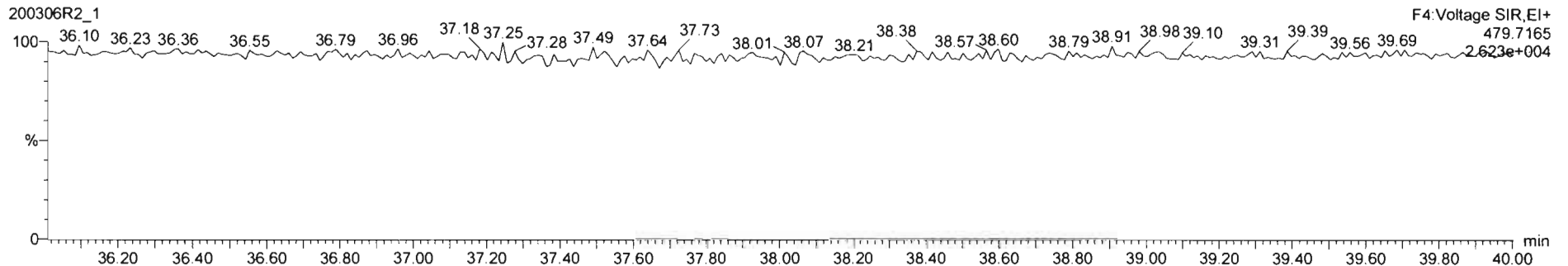
1,2,3,4,6,7,8-HpCDF



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



DPE4

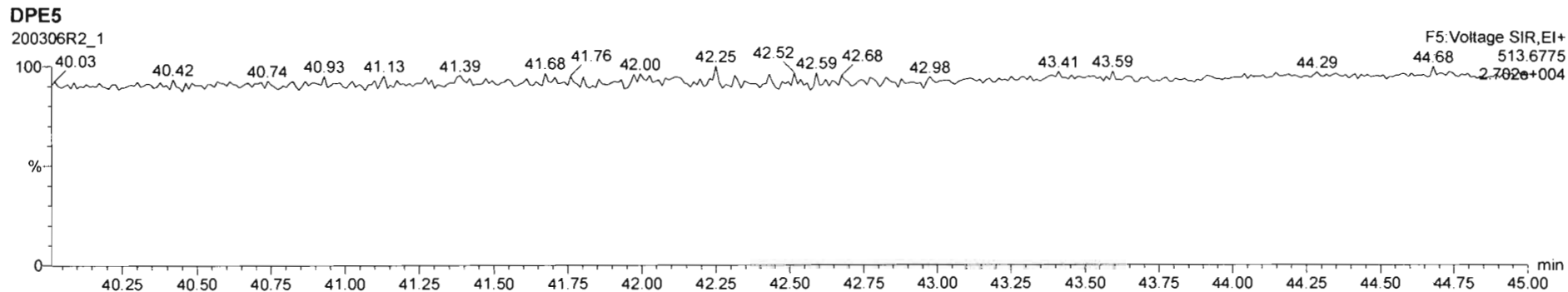
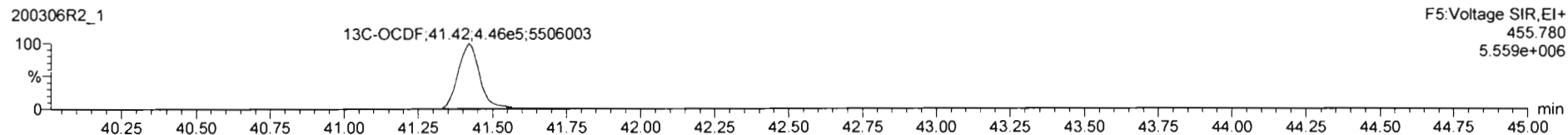
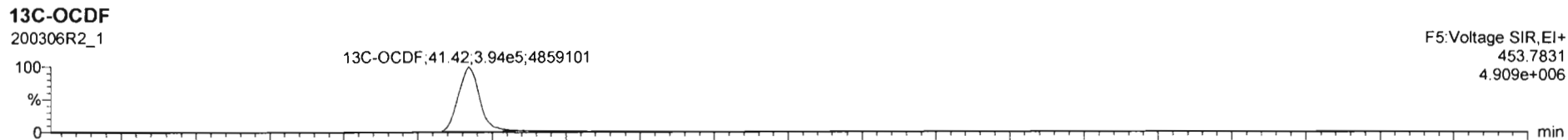
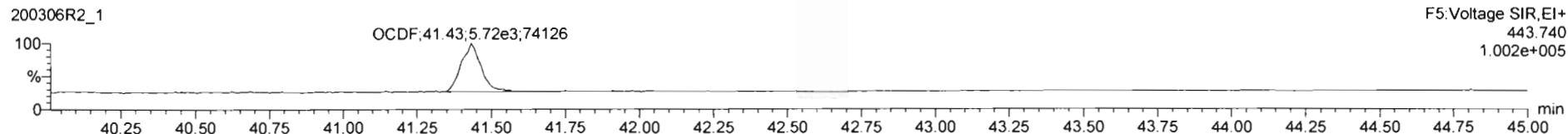
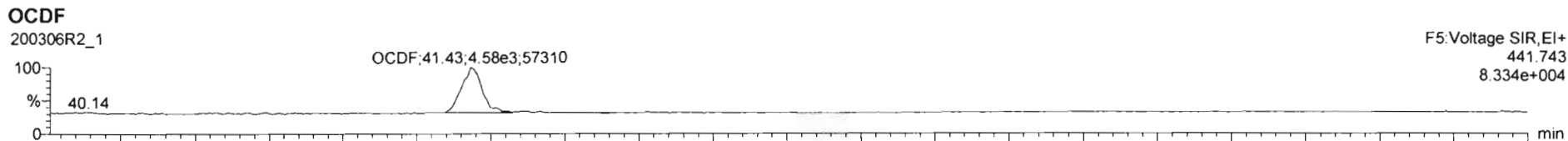


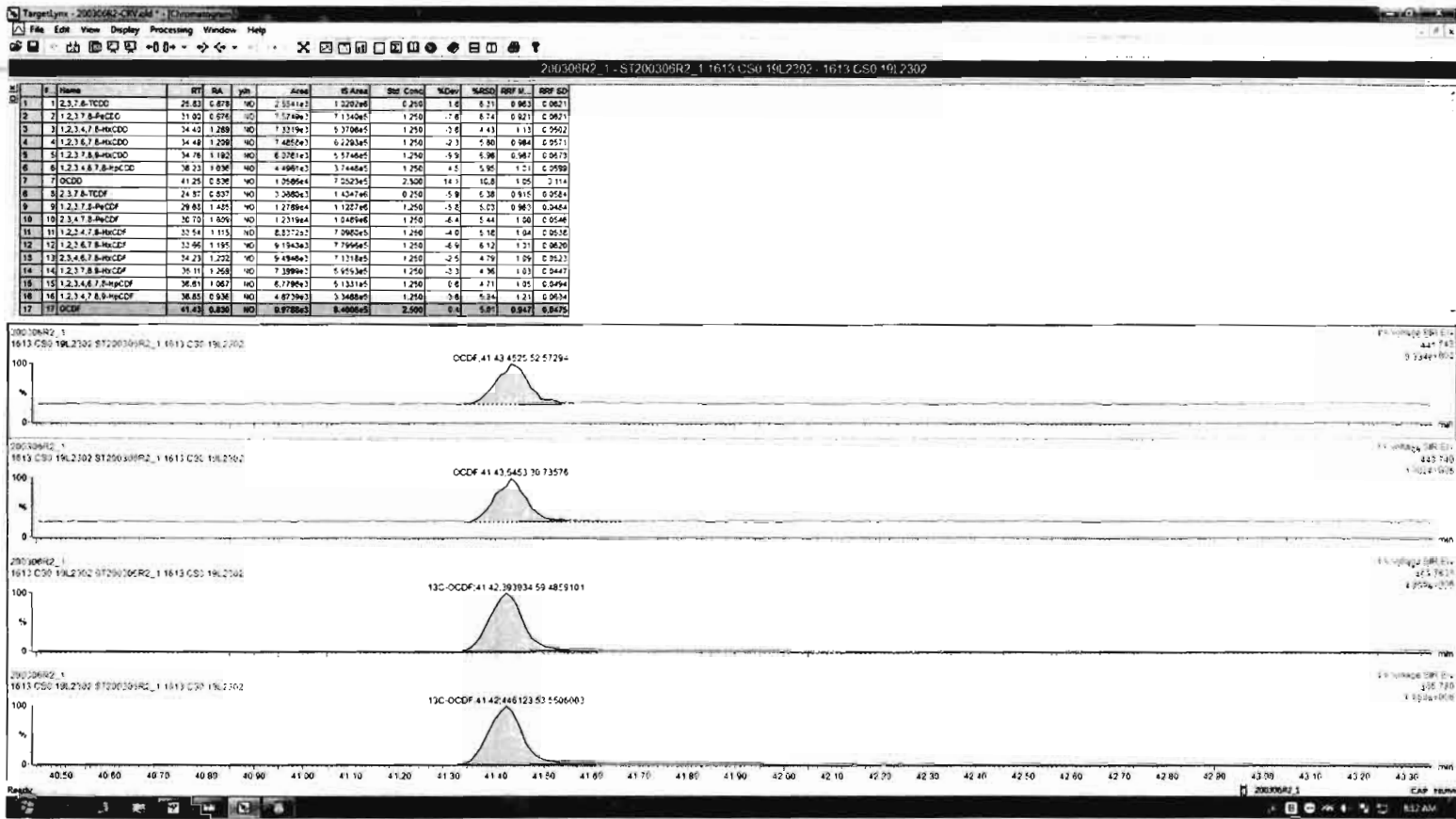
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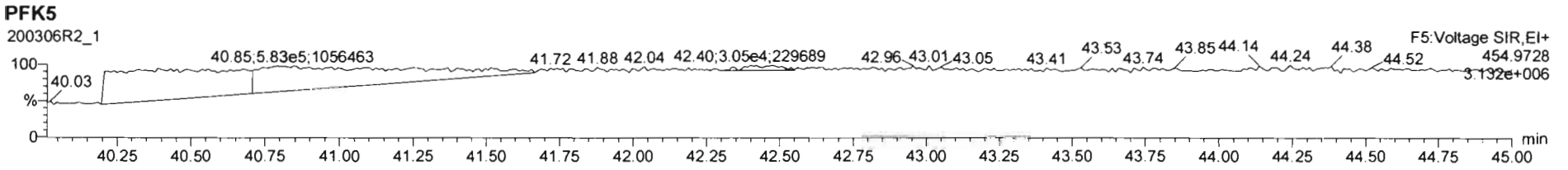
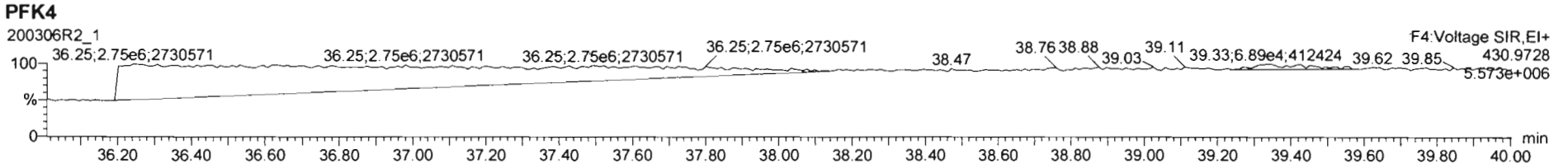
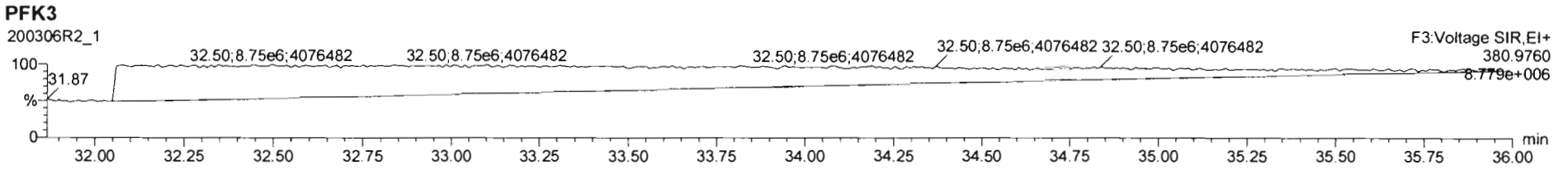
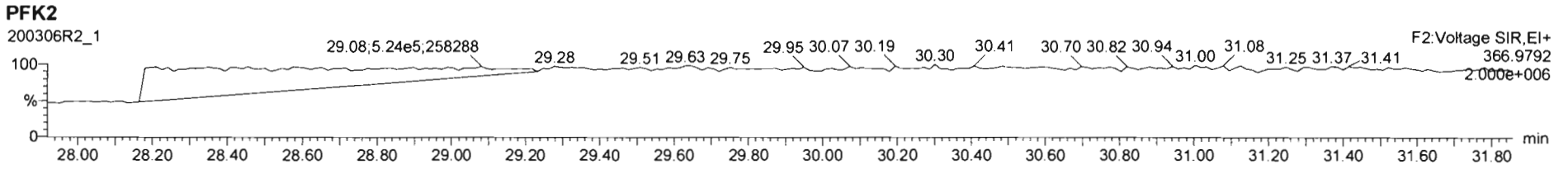
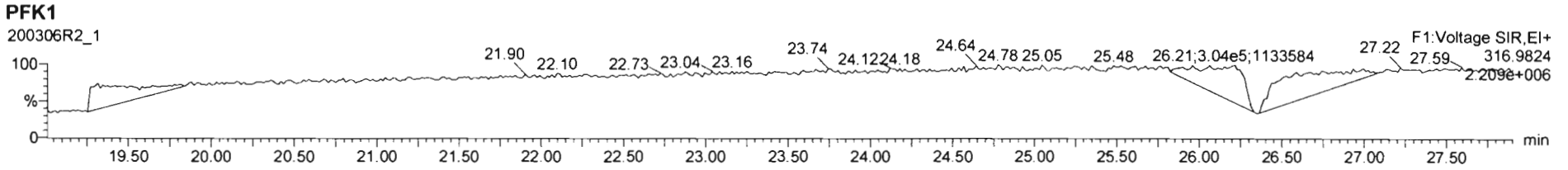




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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

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Dataset: Untitled

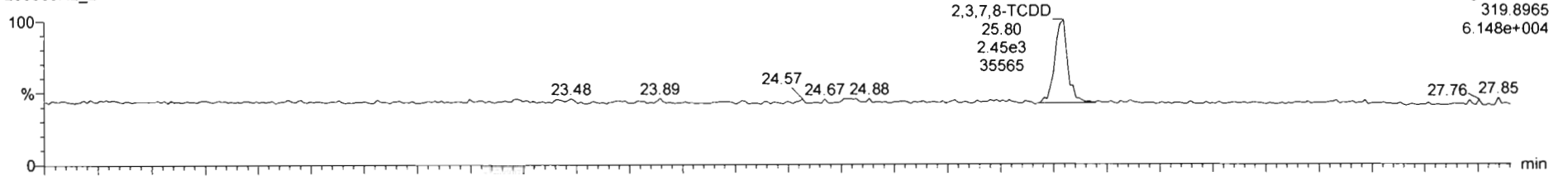
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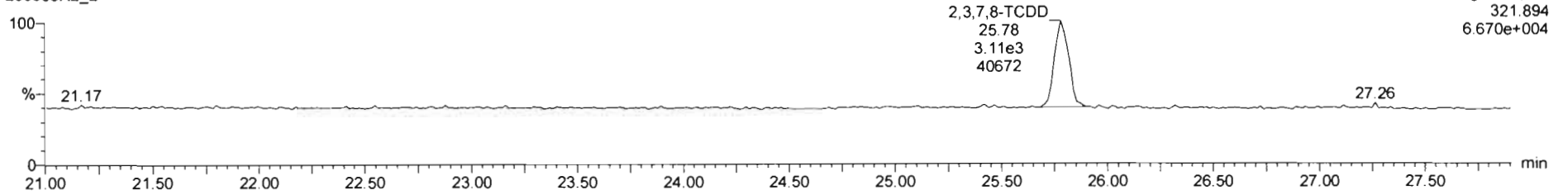
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2,3,7,8-TCDD

200306R2_2

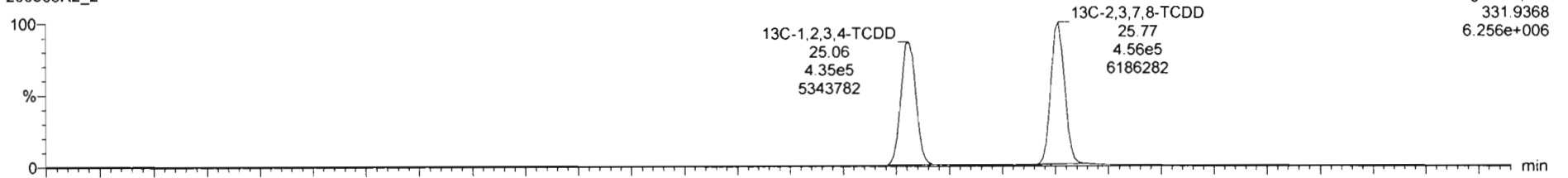


200306R2_2

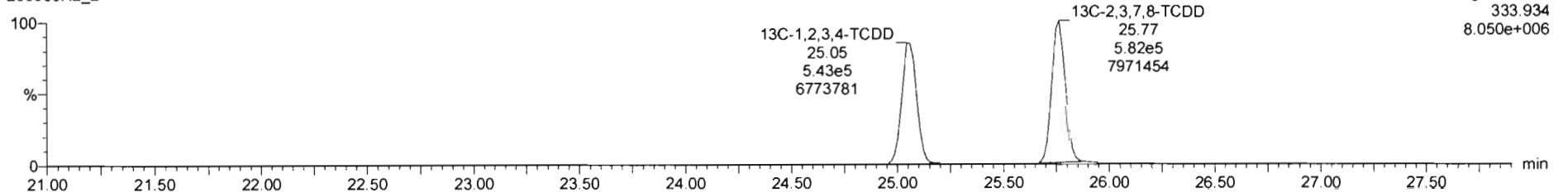


13C-2,3,7,8-TCDD

200306R2_2



200306R2_2



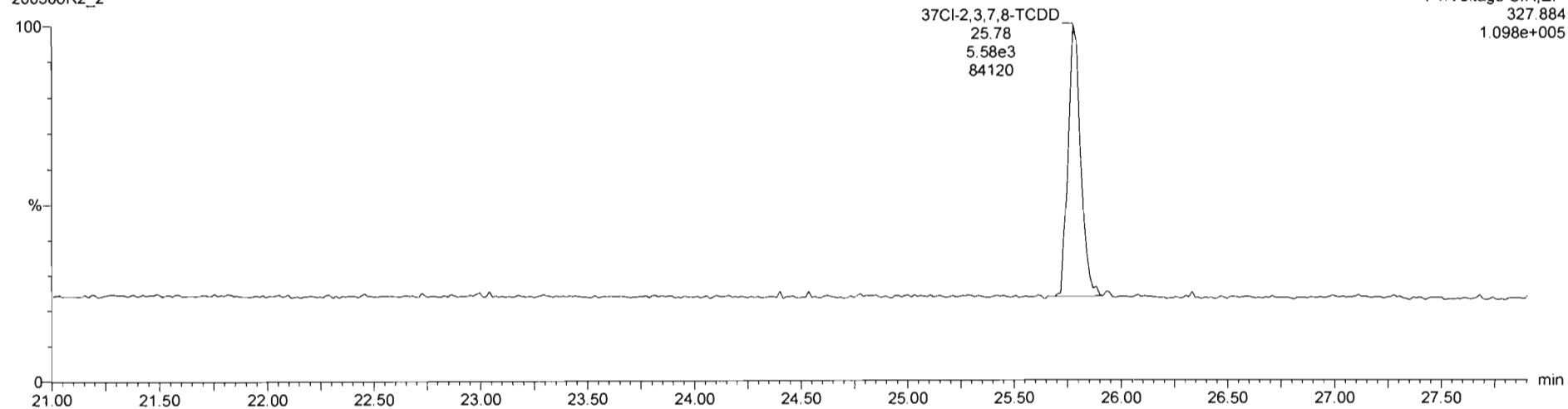
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_2, Date: 06-Mar-2020, Time: 13:58:25, ID: ST200306R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

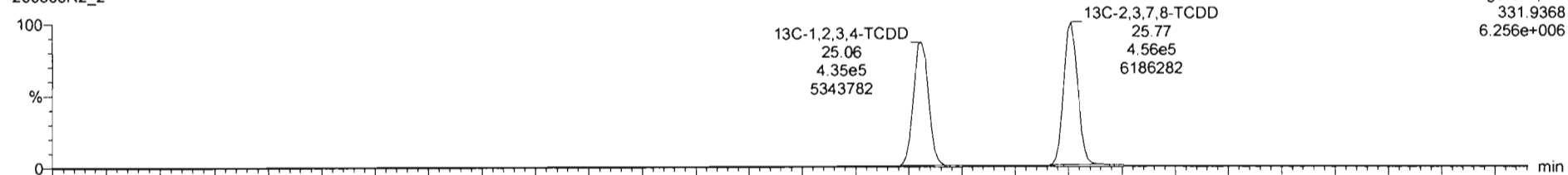
37Cl-2,3,7,8-TCDD

200306R2_2

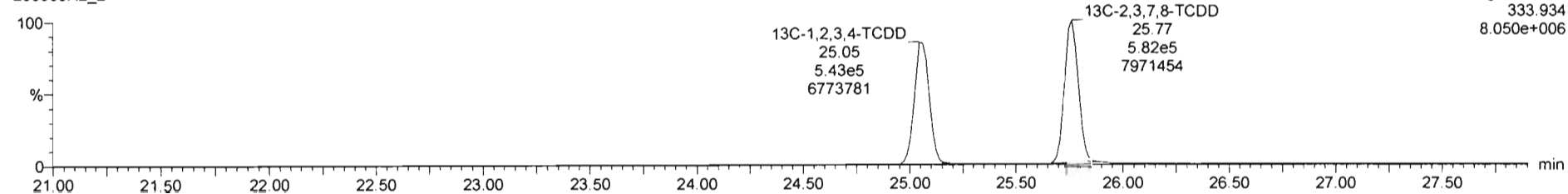


13C-1,2,3,4-TCDD

200306R2_2



200306R2_2



Dataset: Untitled

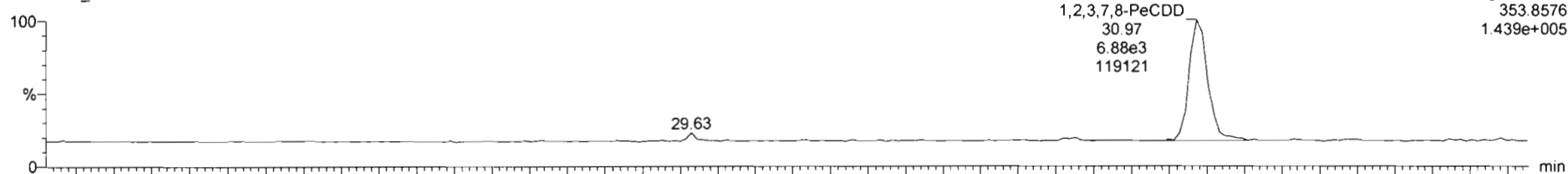
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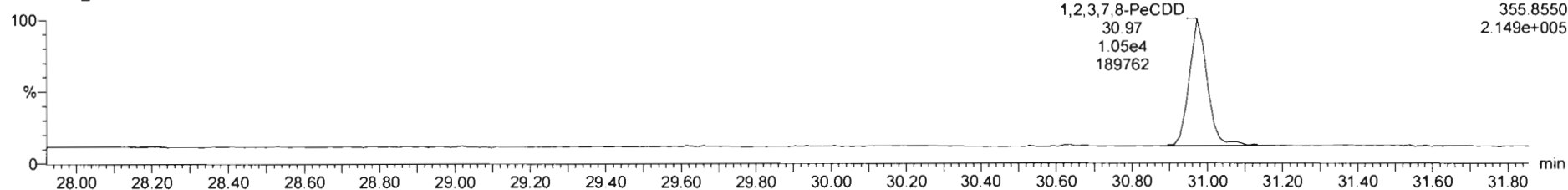
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1,2,3,7,8-PeCDD

200306R2_2

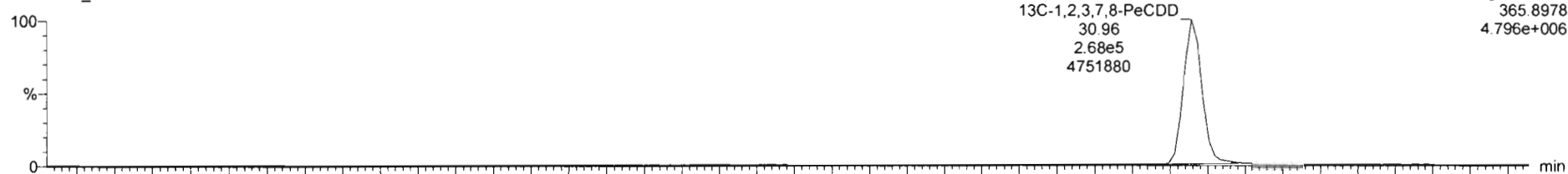


200306R2_2

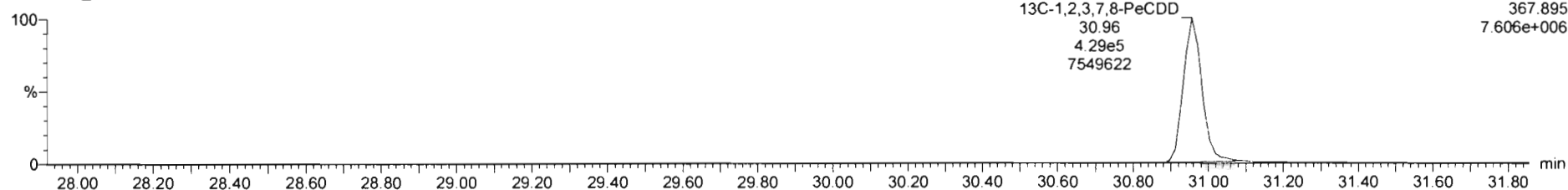


13C-1,2,3,7,8-PeCDD

200306R2_2



200306R2_2



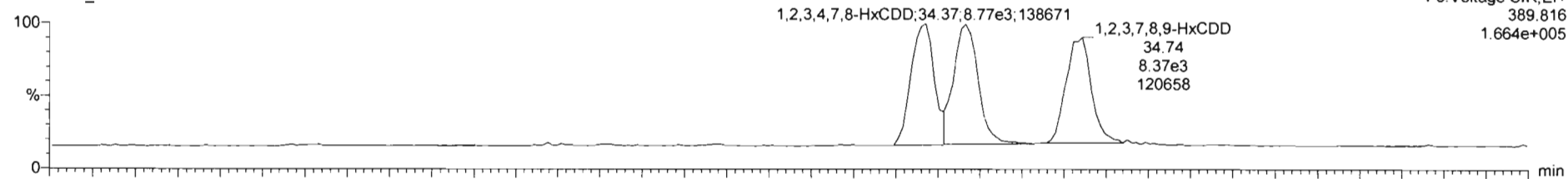
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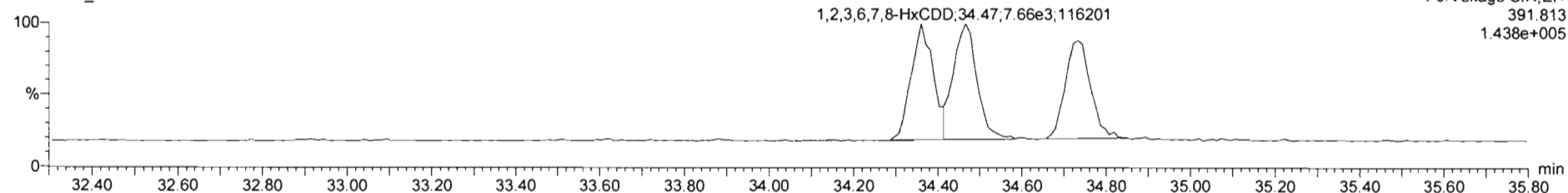
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1,2,3,4,7,8-HxCDD

200306R2_2

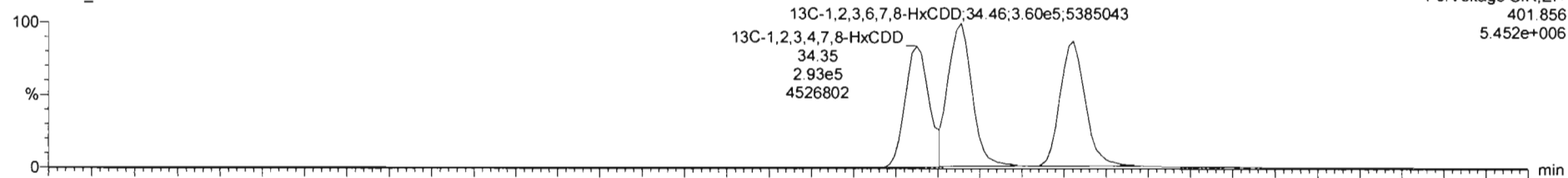


200306R2_2

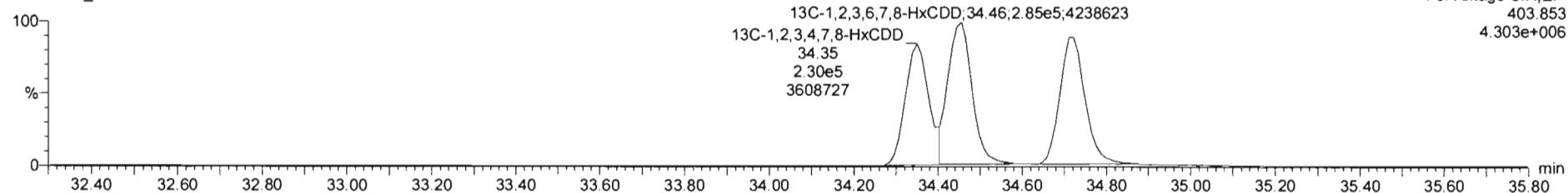


13C-1,2,3,4,7,8-HxCDD

200306R2_2



200306R2_2



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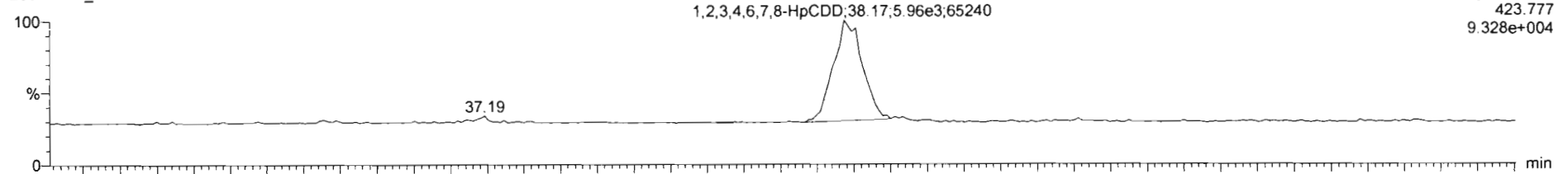
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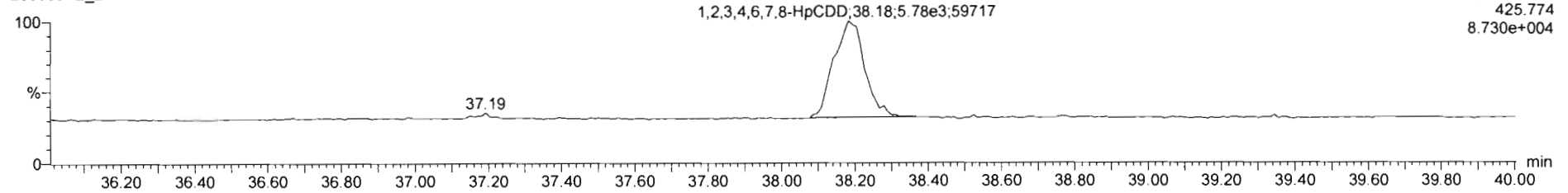
1,2,3,4,6,7,8-HpCDD

200306R2_2



F4: Voltage SIR, EI+
423.777
9.328e+004

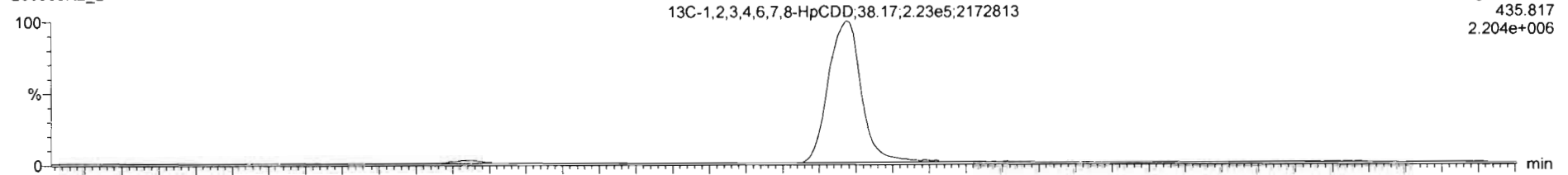
200306R2_2



F4: Voltage SIR, EI+
425.774
8.730e+004

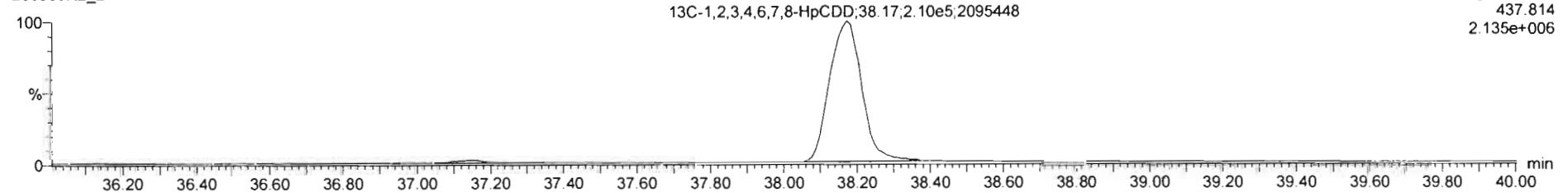
13C-1,2,3,4,6,7,8-HpCDD

200306R2_2



F4: Voltage SIR, EI+
435.817
2.204e+006

200306R2_2



F4: Voltage SIR, EI+
437.814
2.135e+006

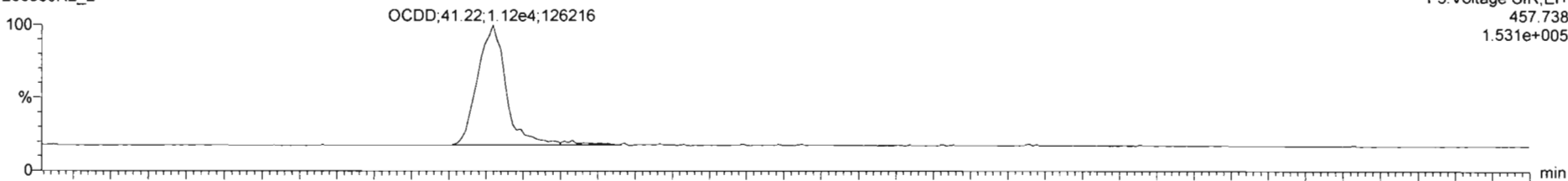
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

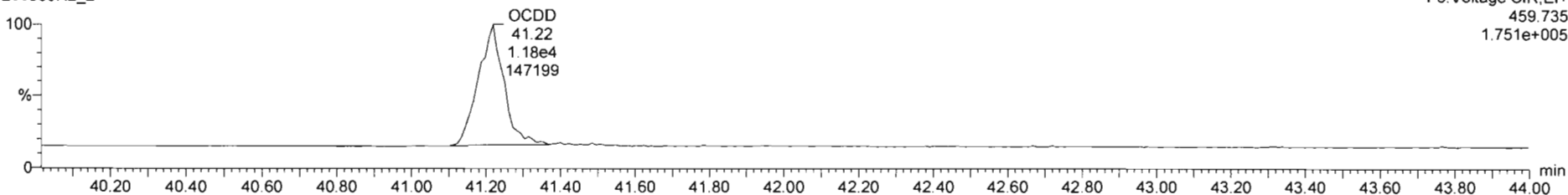
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OCDD

200306R2_2

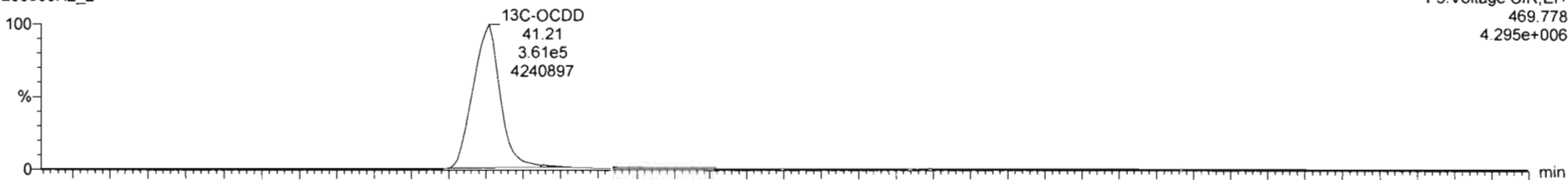


200306R2_2

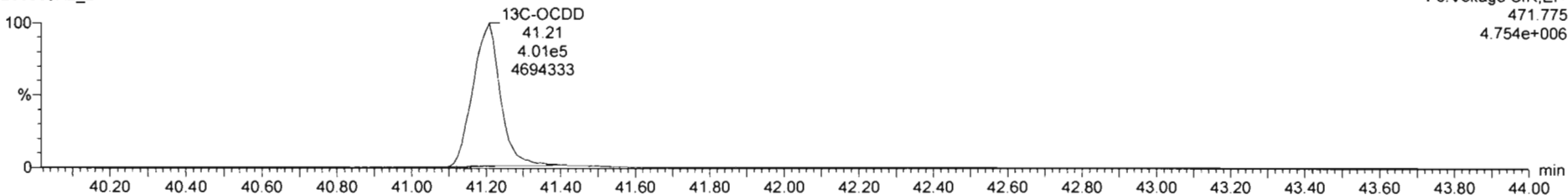


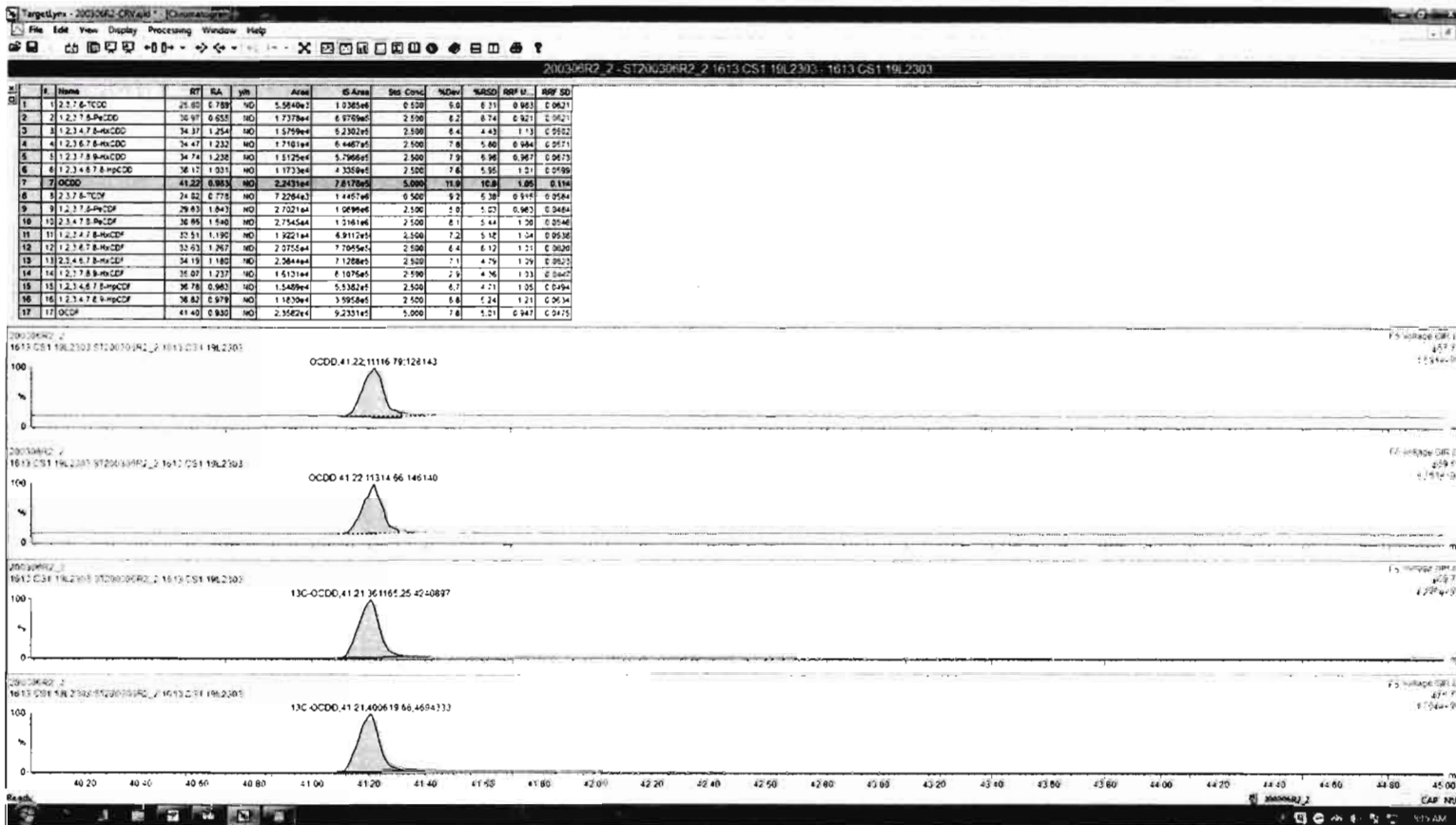
13C-OCDD

200306R2_2



200306R2_2





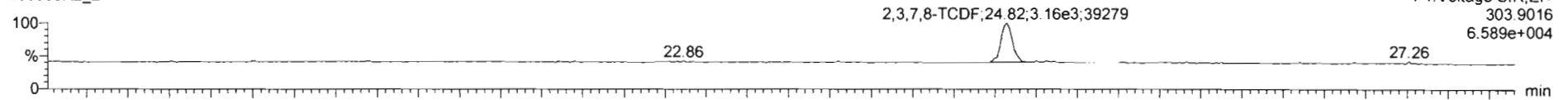
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

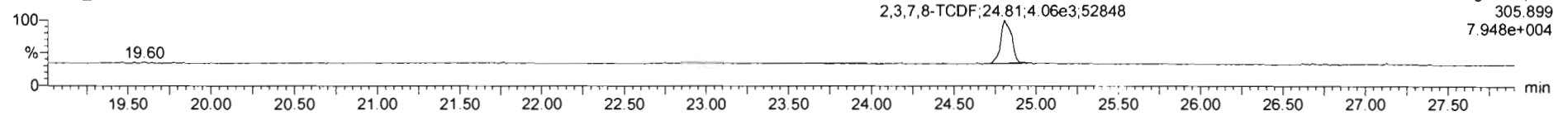
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2,3,7,8-TCDF

200306R2_2

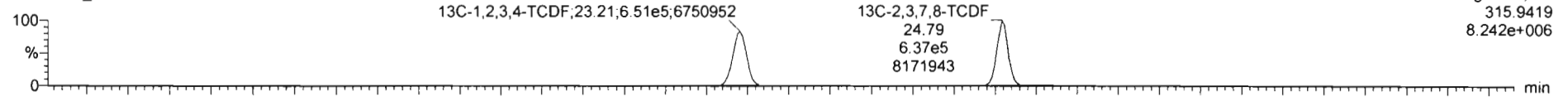


200306R2_2

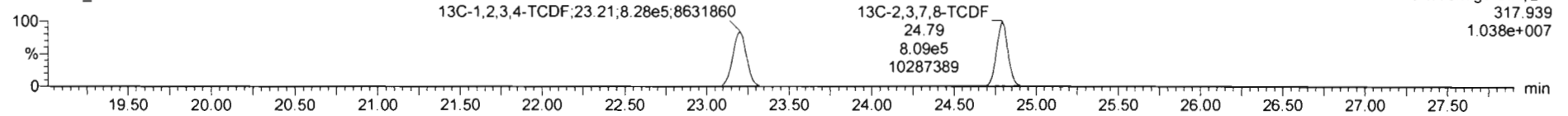


13C-2,3,7,8-TCDF

200306R2_2

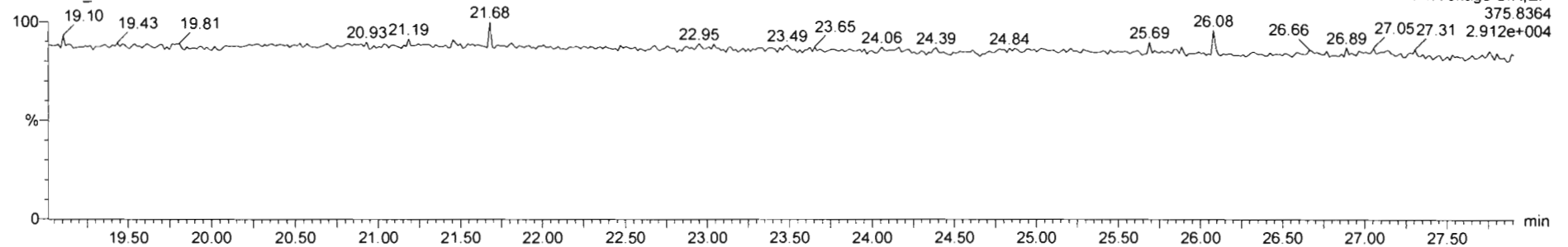


200306R2_2



DPE1

200306R2_2



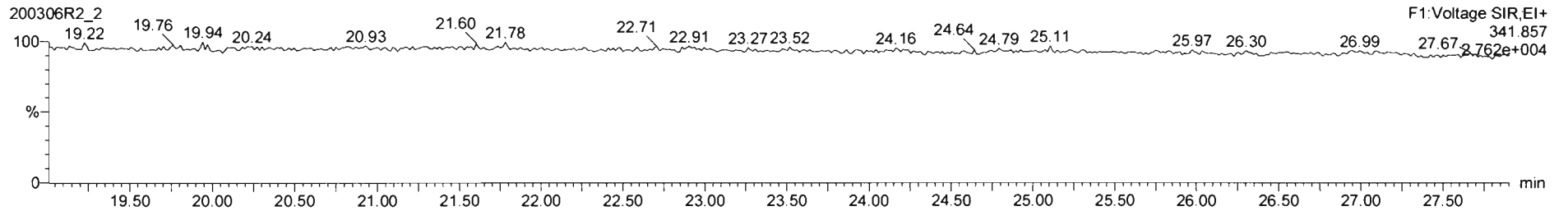
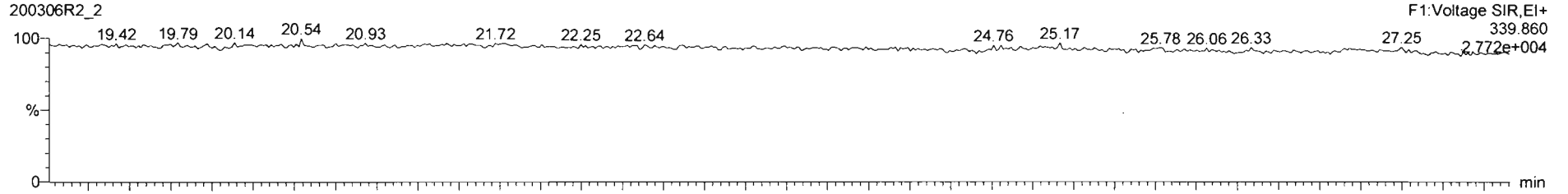
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time

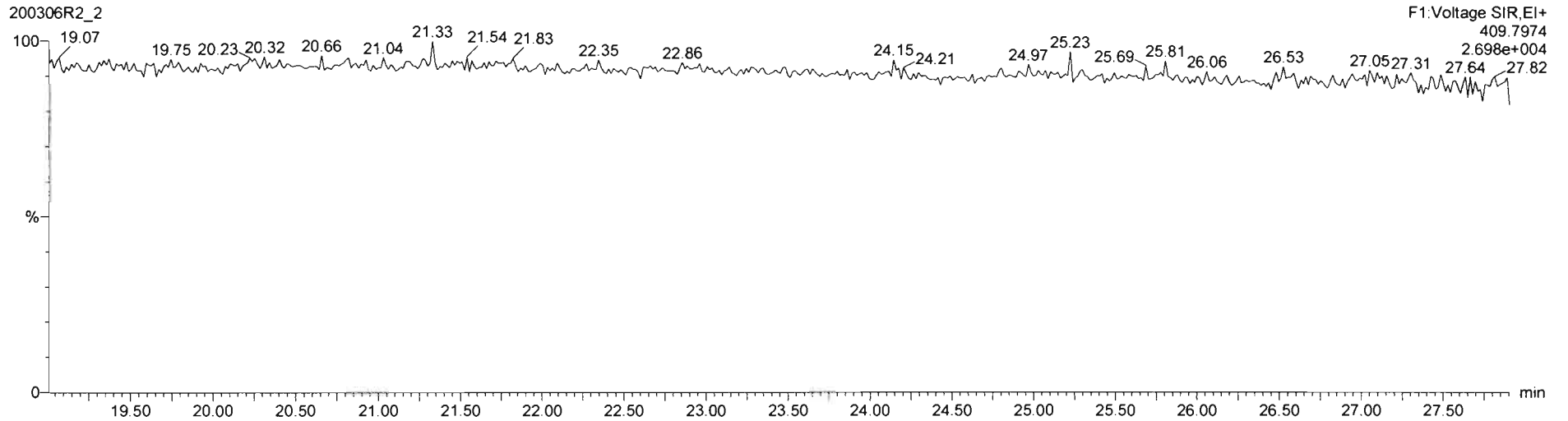
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_2, Date: 06-Mar-2020, Time: 13:58:25, ID: ST200306R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1st Func. Penta-Furans



DPE6



Dataset: Untitled

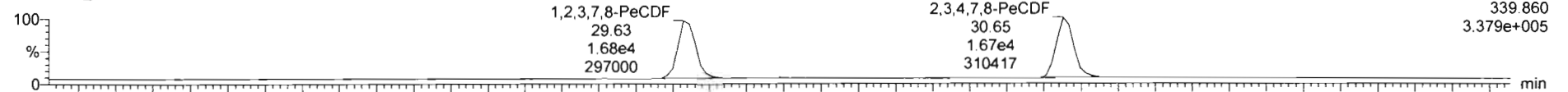
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

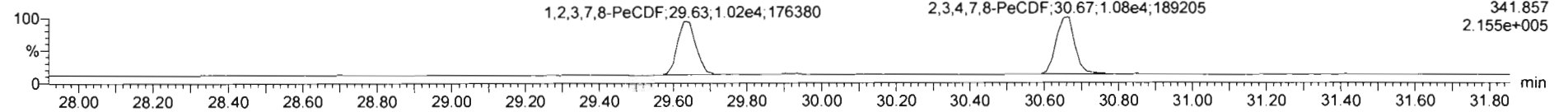
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1,2,3,7,8-PeCDF

200306R2_2

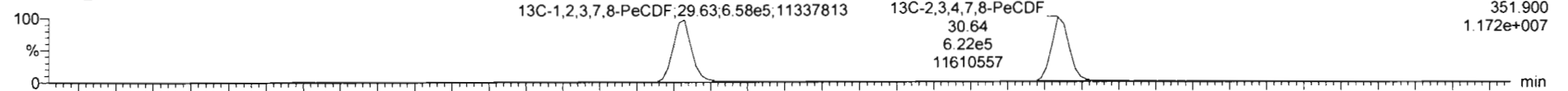


200306R2_2

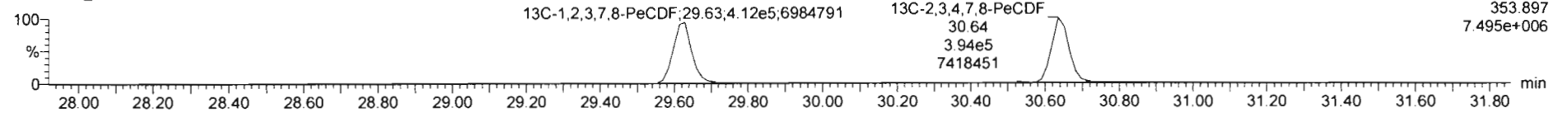


13C-1,2,3,7,8-PeCDF

200306R2_2

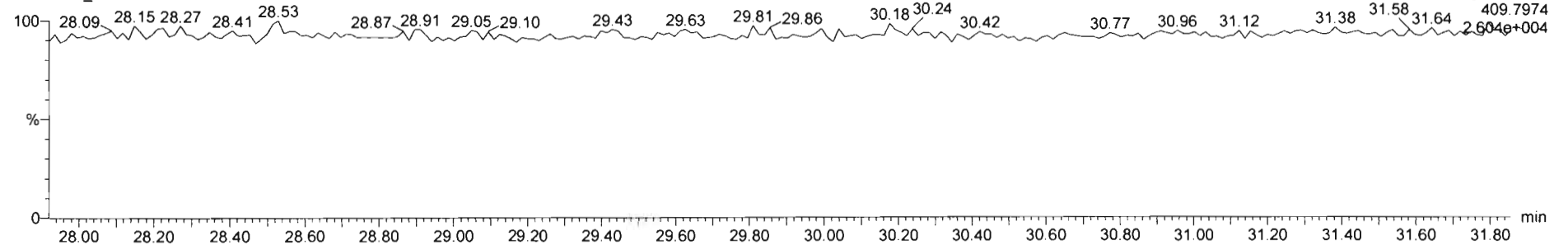


200306R2_2



DPE2

200306R2_2



Dataset: Untitled

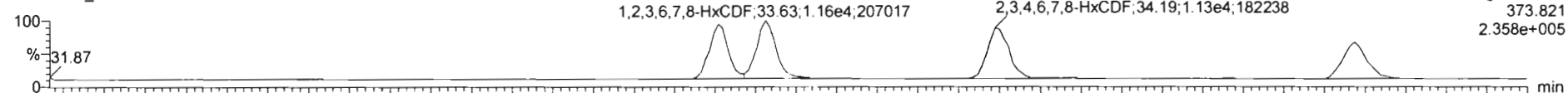
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

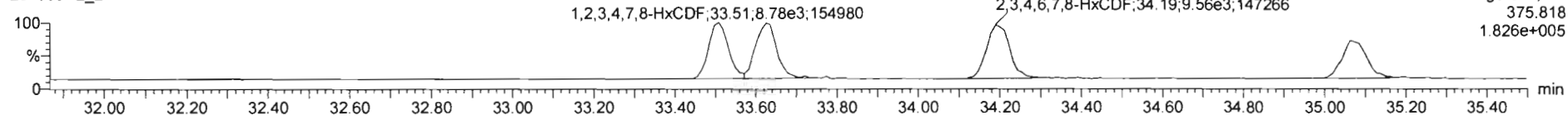
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1,2,3,4,7,8-HxCDF

200306R2_2

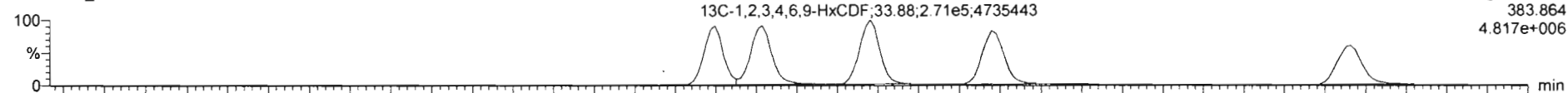


200306R2_2

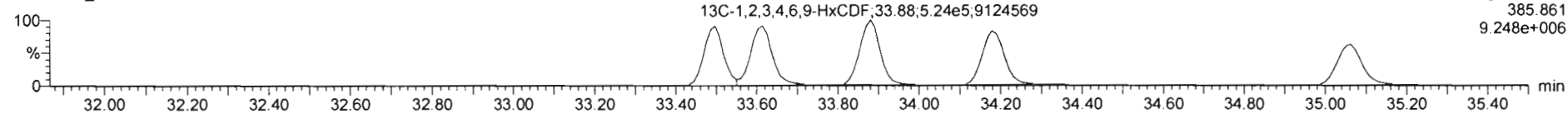


13C-1,2,3,4,7,8-HxCDF

200306R2_2

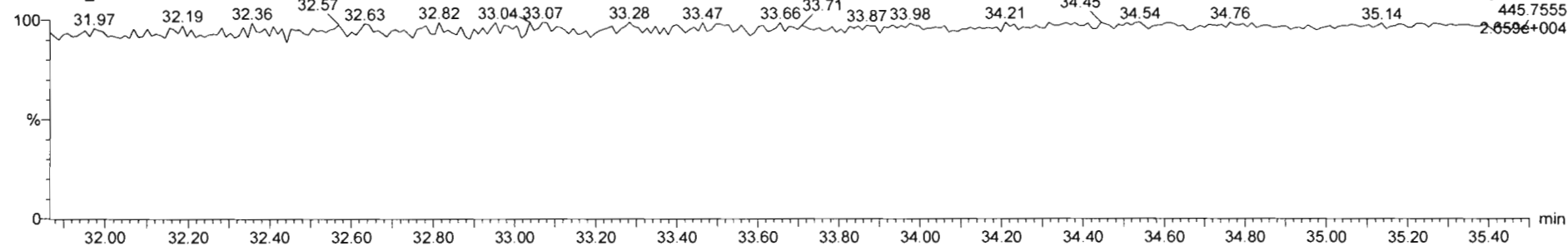


200306R2_2



DPE3

200306R2_2

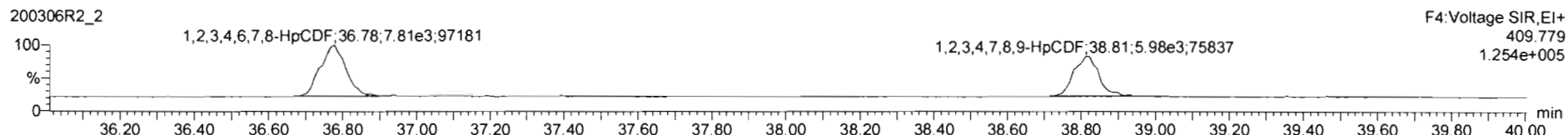
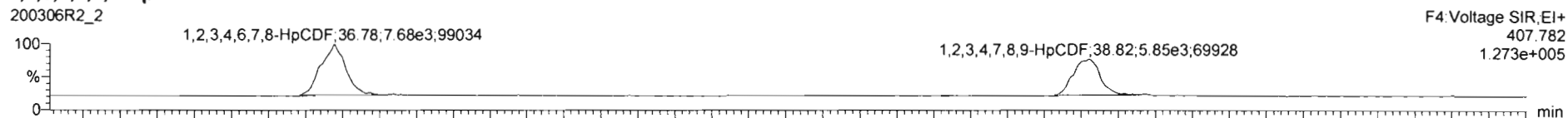


Dataset: Untitled

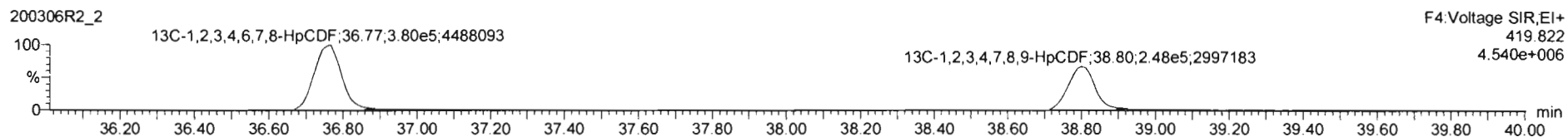
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

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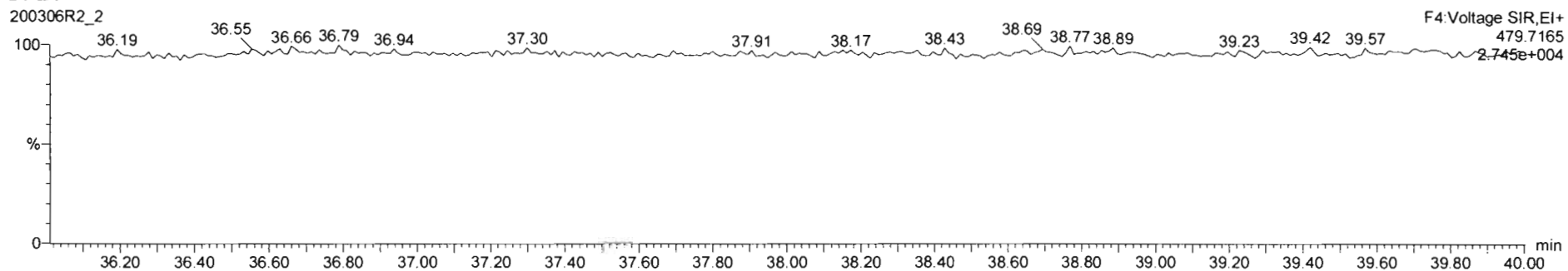
1,2,3,4,6,7,8-HpCDF



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



DPE4



Dataset: Untitled

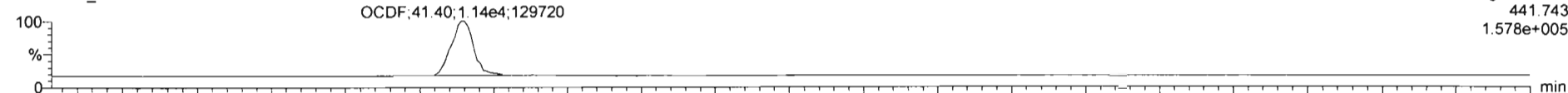
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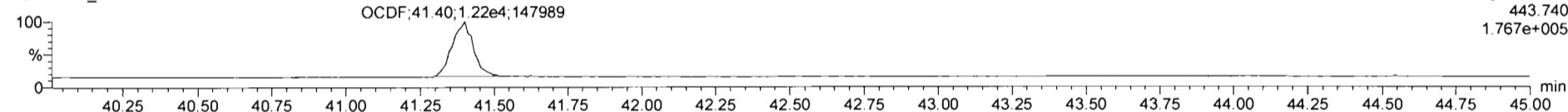
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OCDF

200306R2_2



200306R2_2

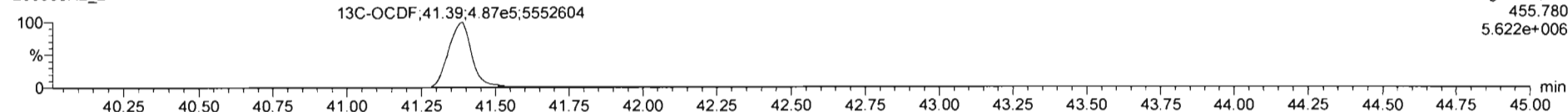


13C-OCDF

200306R2_2

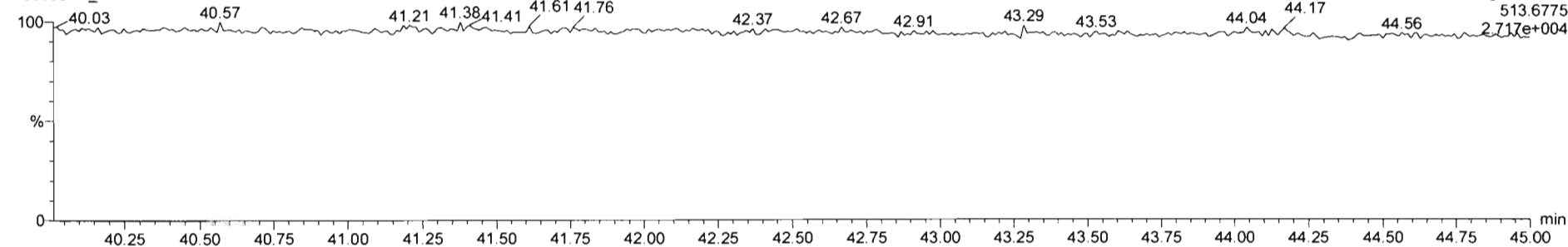


200306R2_2



DPE5

200306R2_2

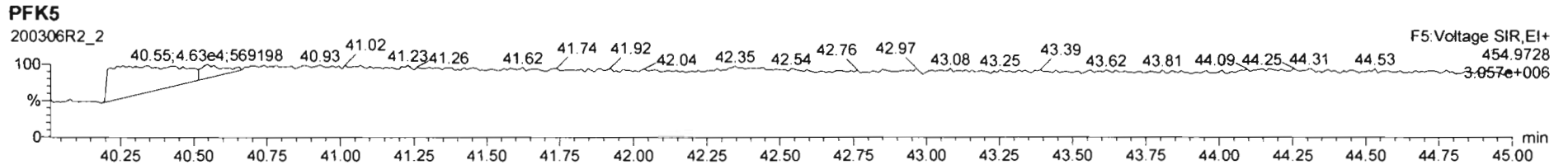
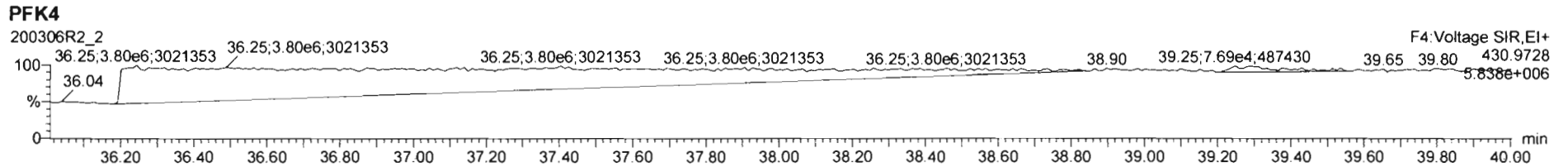
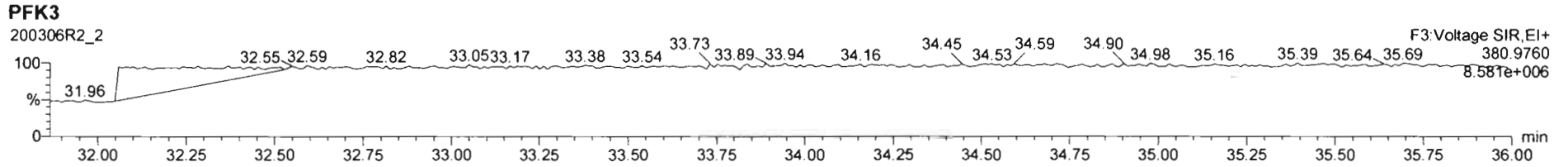
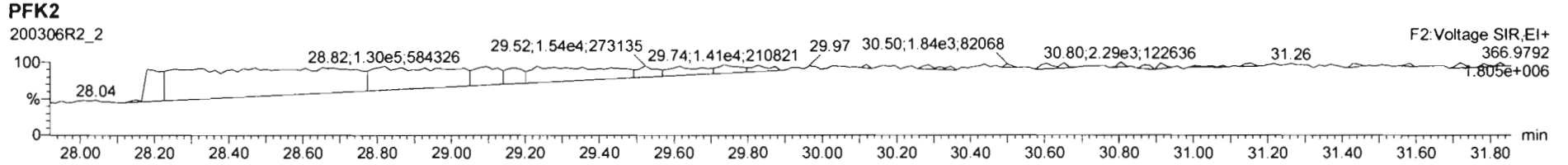
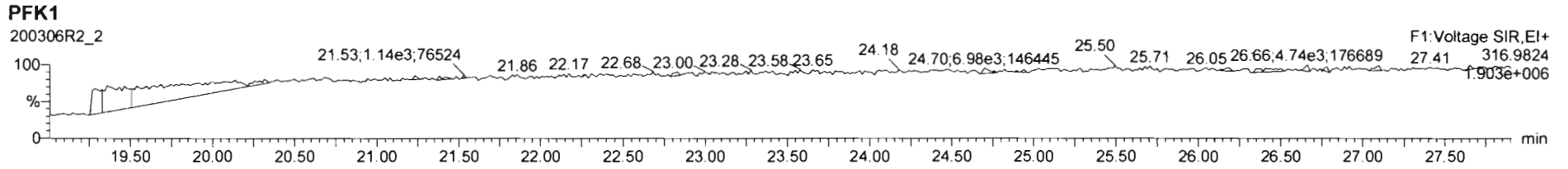


Dataset: Untitled

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Dataset: Untitled

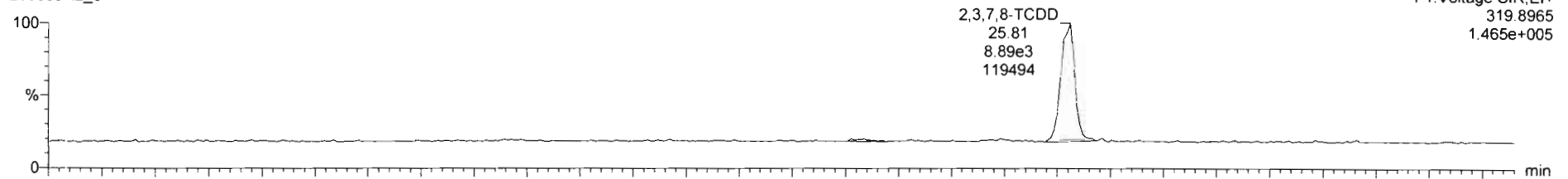
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

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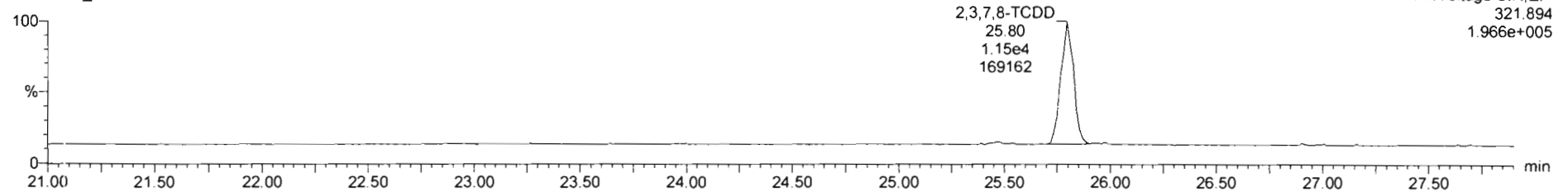
2,3,7,8-TCDD

200306R2_3



F1: Voltage SIR, EI+
319.8965
1.465e+005

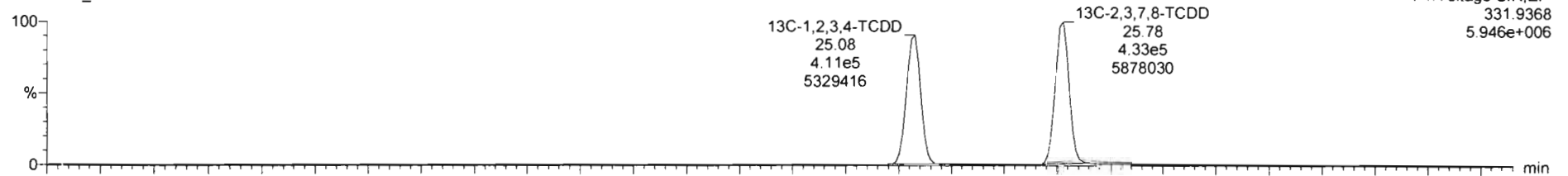
200306R2_3



F1: Voltage SIR, EI+
321.894
1.966e+005

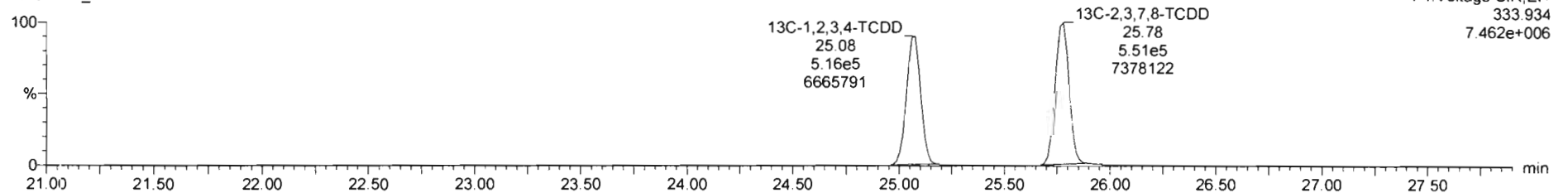
13C-2,3,7,8-TCDD

200306R2_3



F1: Voltage SIR, EI+
331.9368
5.946e+006

200306R2_3



F1: Voltage SIR, EI+
333.934
7.462e+006

Dataset: Untitled

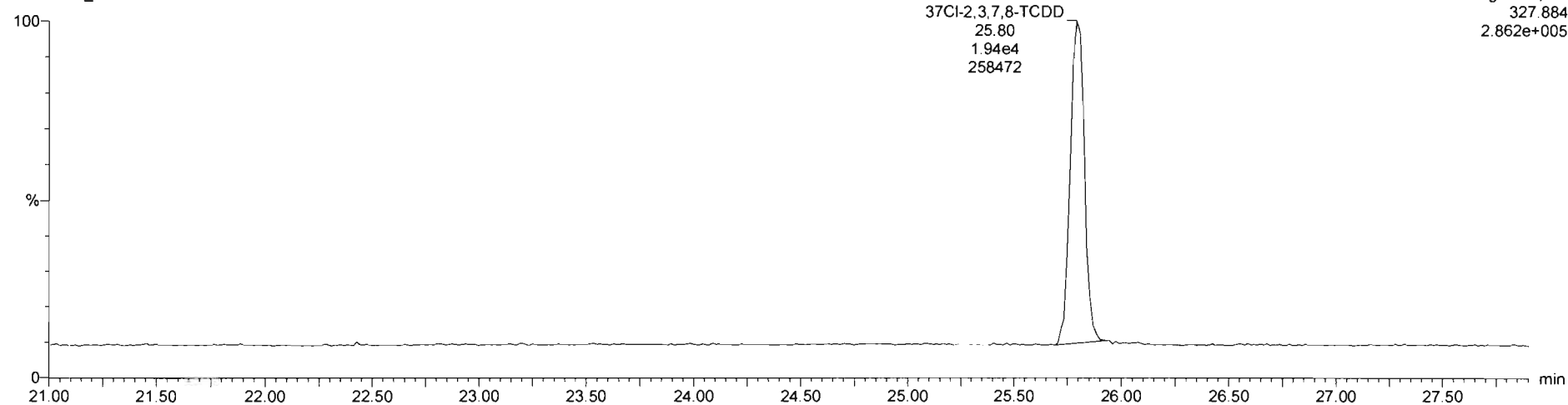
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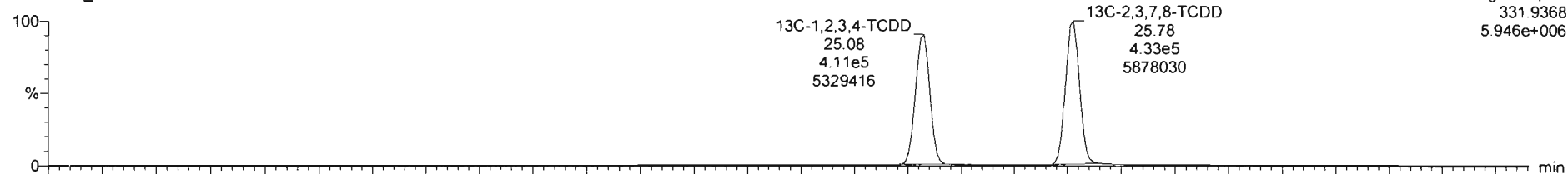
37Cl-2,3,7,8-TCDD

200306R2_3

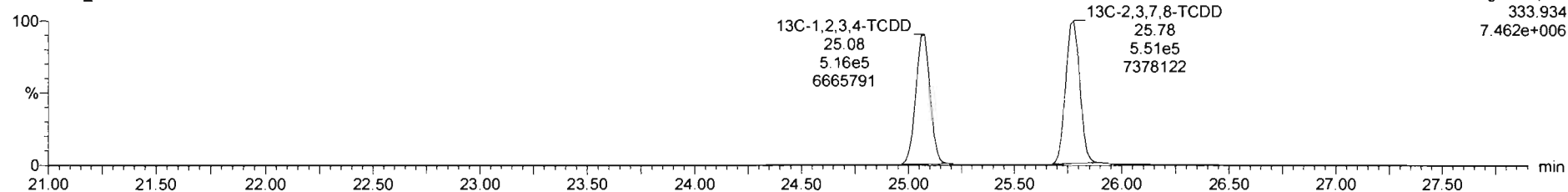


13C-1,2,3,4-TCDD

200306R2_3



200306R2_3



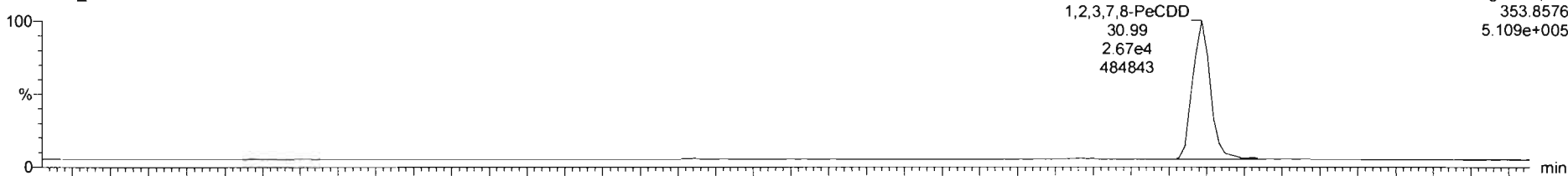
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

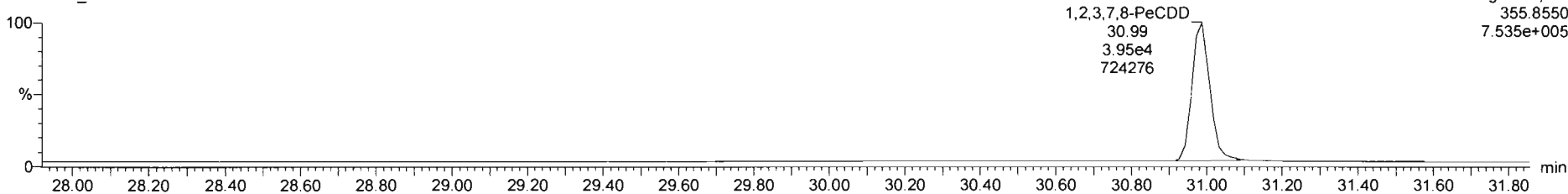
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1,2,3,7,8-PeCDD

200306R2_3



200306R2_3

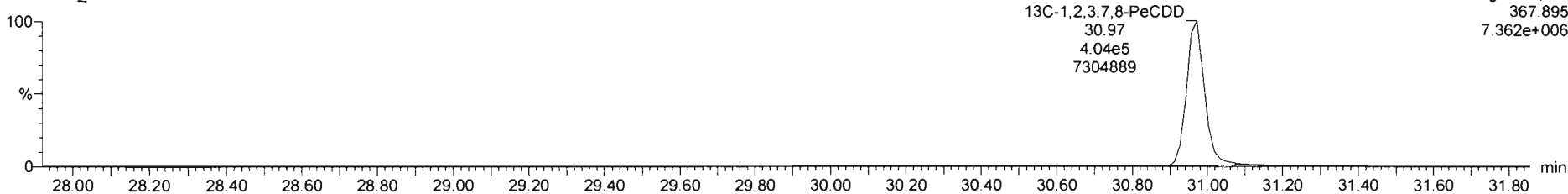


13C-1,2,3,7,8-PeCDD

200306R2_3



200306R2_3



Dataset: Untitled

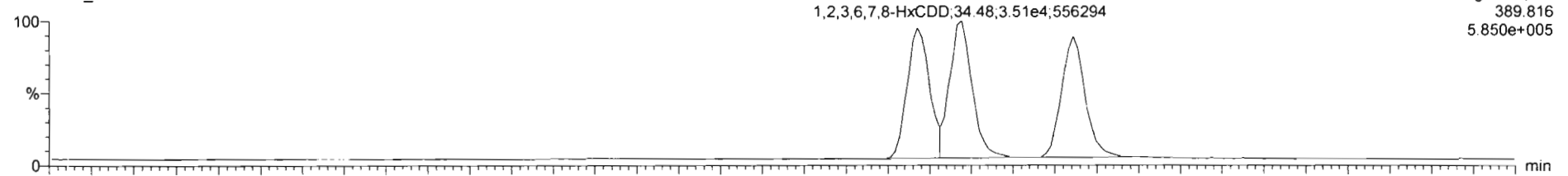
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

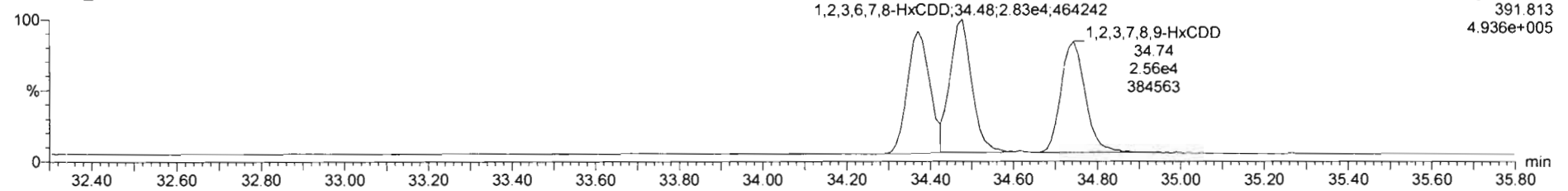
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1,2,3,4,7,8-HxCDD

200306R2_3

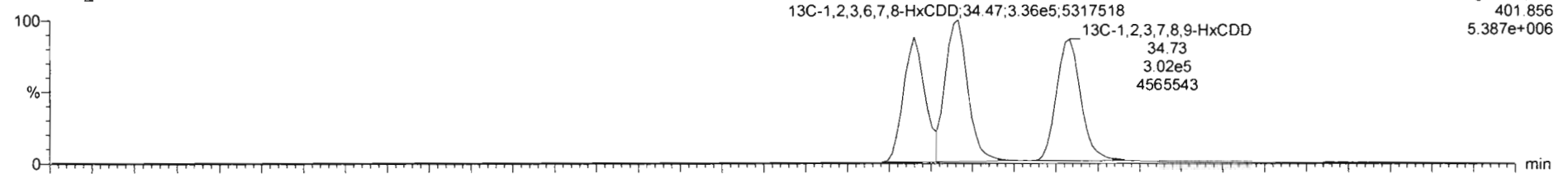


200306R2_3

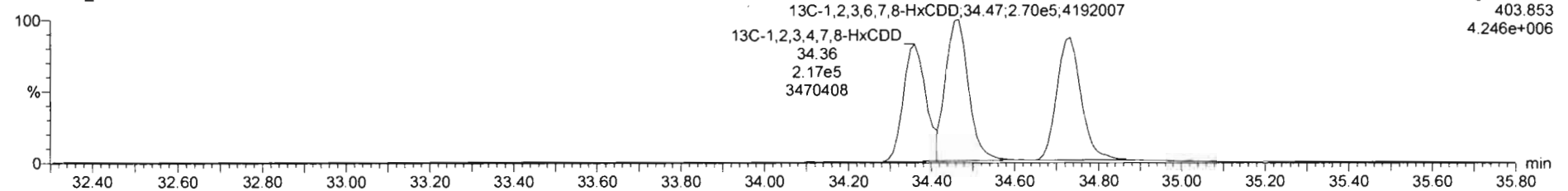


13C-1,2,3,4,7,8-HxCDD

200306R2_3



200306R2_3



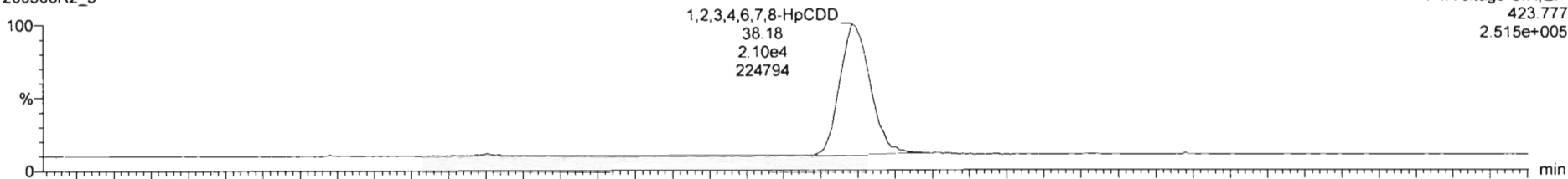
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_3, Date: 06-Mar-2020, Time: 14:44:37, ID: ST200306R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

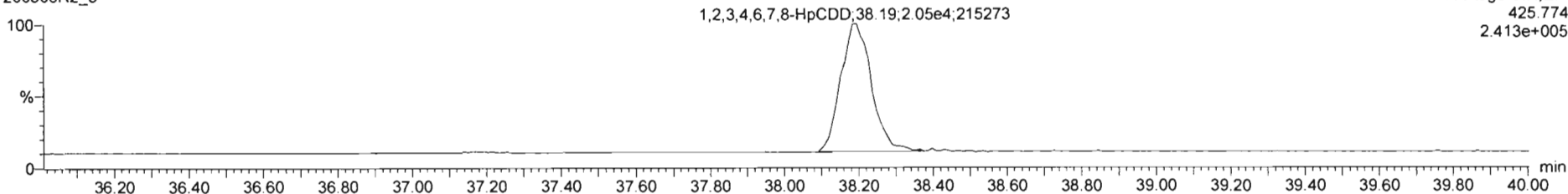
1,2,3,4,6,7,8-HpCDD

200306R2_3



F4: Voltage SIR, EI+
423.777
2.515e+005

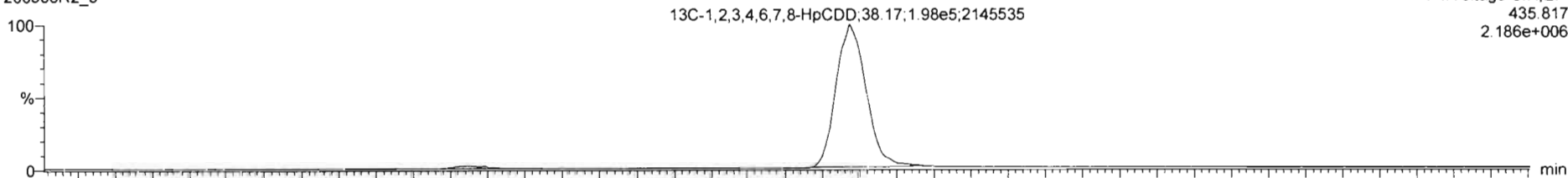
200306R2_3



F4: Voltage SIR, EI+
425.774
2.413e+005

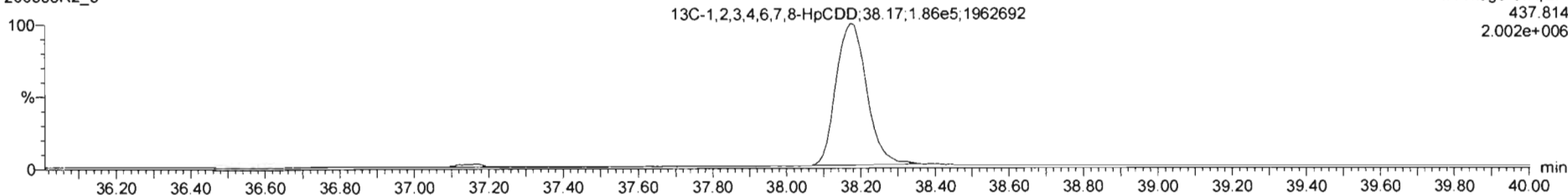
13C-1,2,3,4,6,7,8-HpCDD

200306R2_3



F4: Voltage SIR, EI+
435.817
2.186e+006

200306R2_3



F4: Voltage SIR, EI+
437.814
2.002e+006

Dataset: Untitled

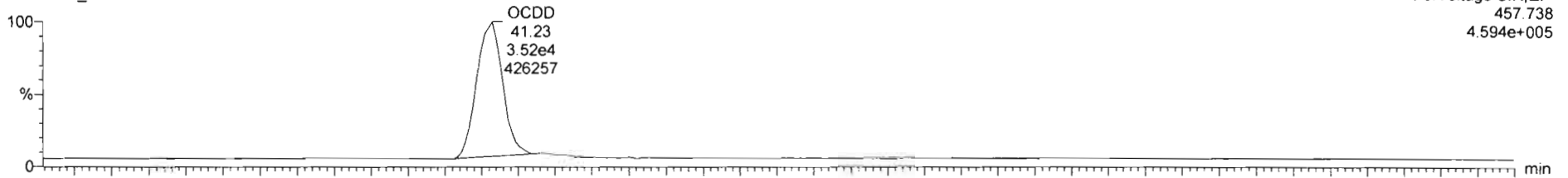
Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time

Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_3, Date: 06-Mar-2020, Time: 14:44:37, ID: ST200306R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

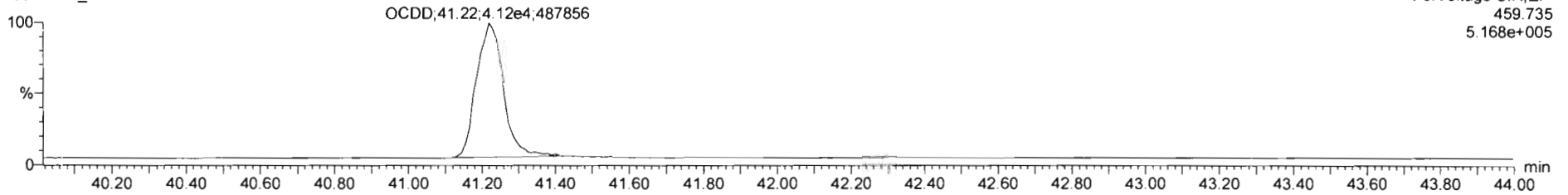
OCDD

200306R2_3



F5:Voltage SIR,EI+
457.738
4.594e+005

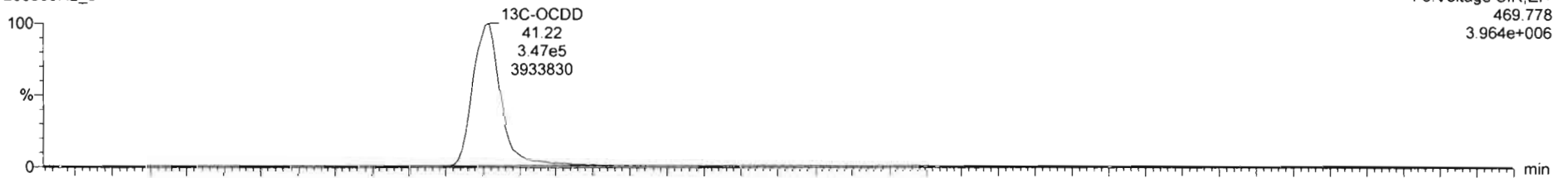
200306R2_3



F5:Voltage SIR,EI+
459.735
5.168e+005

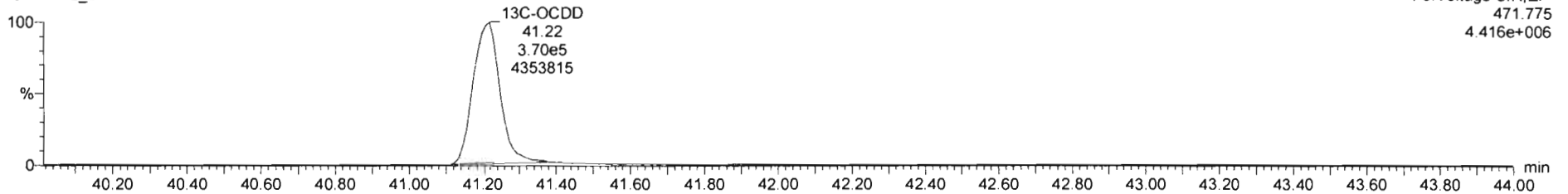
13C-OCDD

200306R2_3



F5:Voltage SIR,EI+
469.778
3.964e+006

200306R2_3



F5:Voltage SIR,EI+
471.775
4.416e+006

Dataset: Untitled

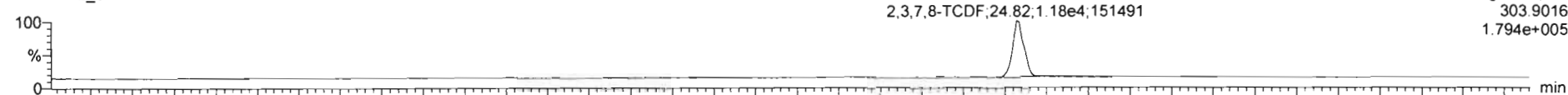
Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time

Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_3, Date: 06-Mar-2020, Time: 14:44:37, ID: ST200306R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

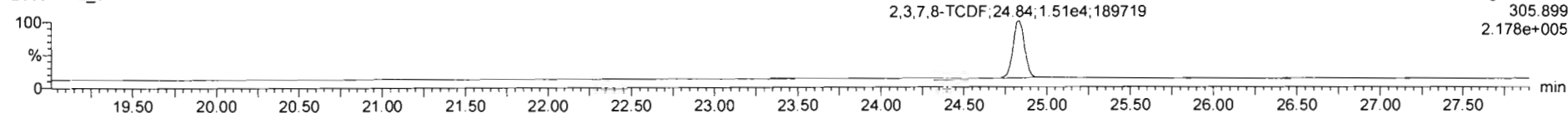
2,3,7,8-TCDF

200306R2_3



F1:Voltage SIR,EI+
303.9016
1.794e+005

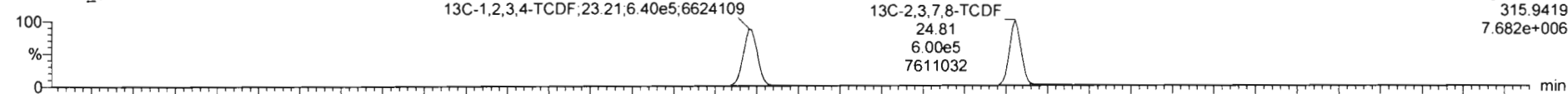
200306R2_3



F1:Voltage SIR,EI+
305.899
2.178e+005

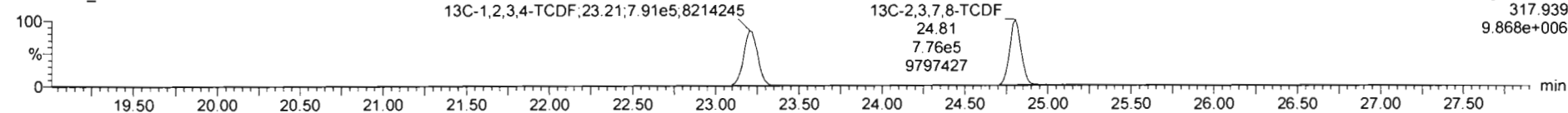
13C-2,3,7,8-TCDF

200306R2_3



F1:Voltage SIR,EI+
315.9419
7.682e+006

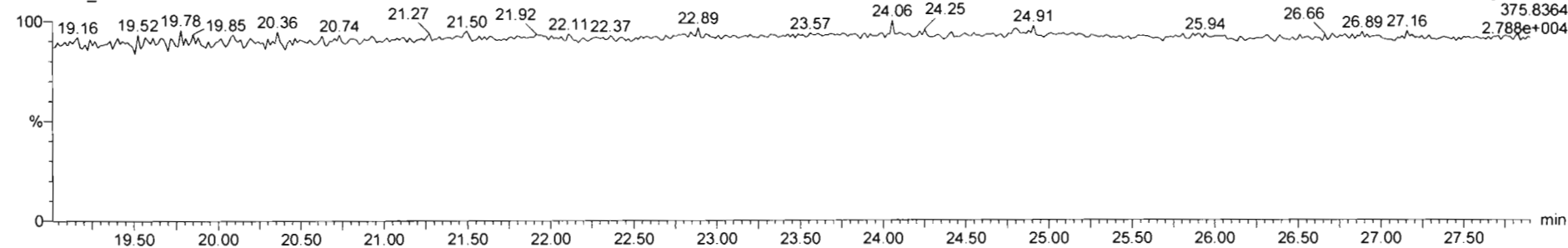
200306R2_3



F1:Voltage SIR,EI+
317.939
9.868e+006

DPE1

200306R2_3



F1:Voltage SIR,EI+
375.8364
2.788e+004

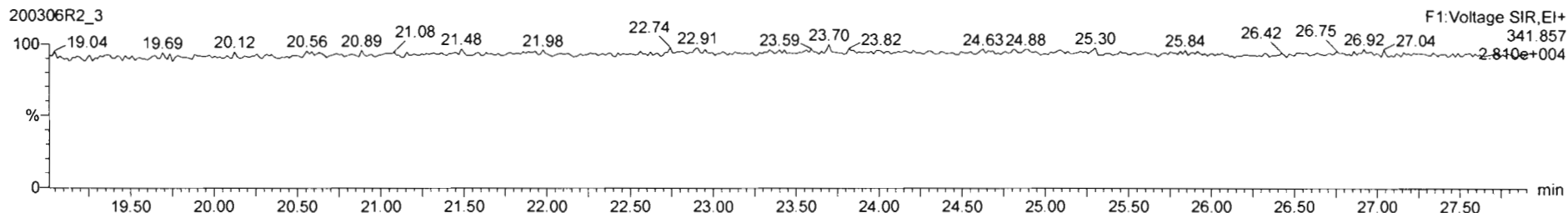
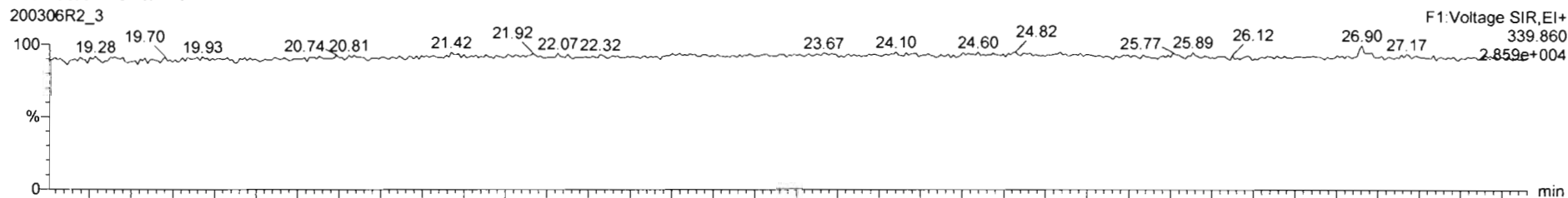
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time

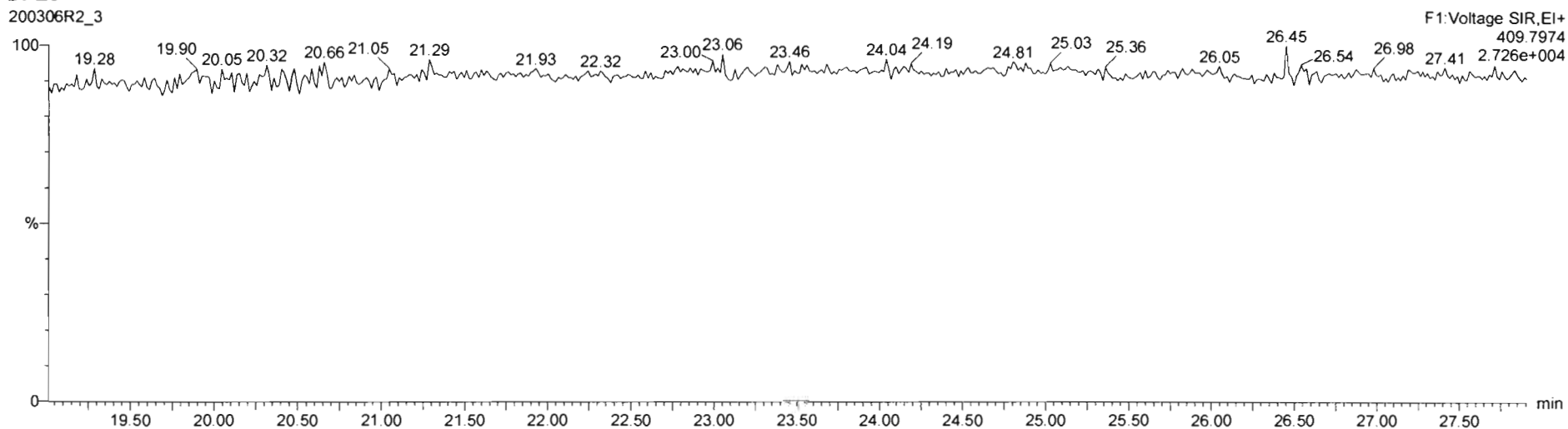
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_3, Date: 06-Mar-2020, Time: 14:44:37, ID: ST200306R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

1st Func. Penta-Furans



DPE6



Dataset: Untitled

Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

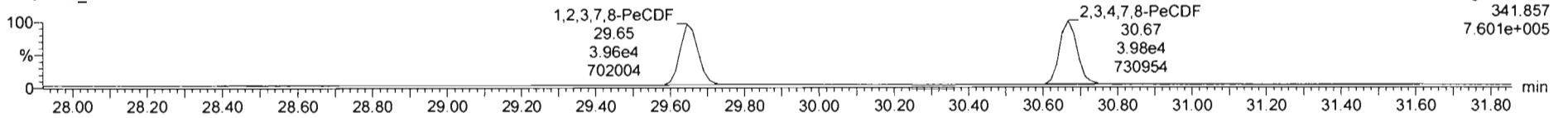
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1,2,3,7,8-PeCDF

200306R2_3

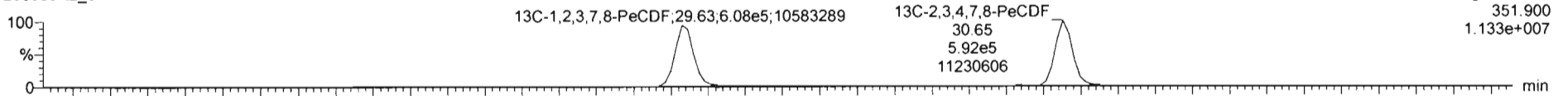


200306R2_3

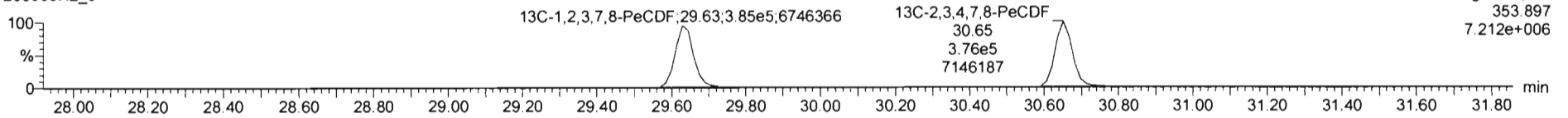


13C-1,2,3,7,8-PeCDF

200306R2_3

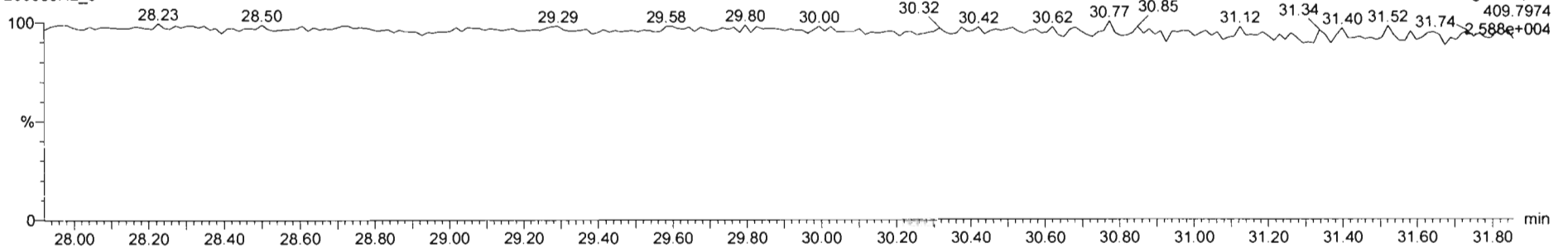


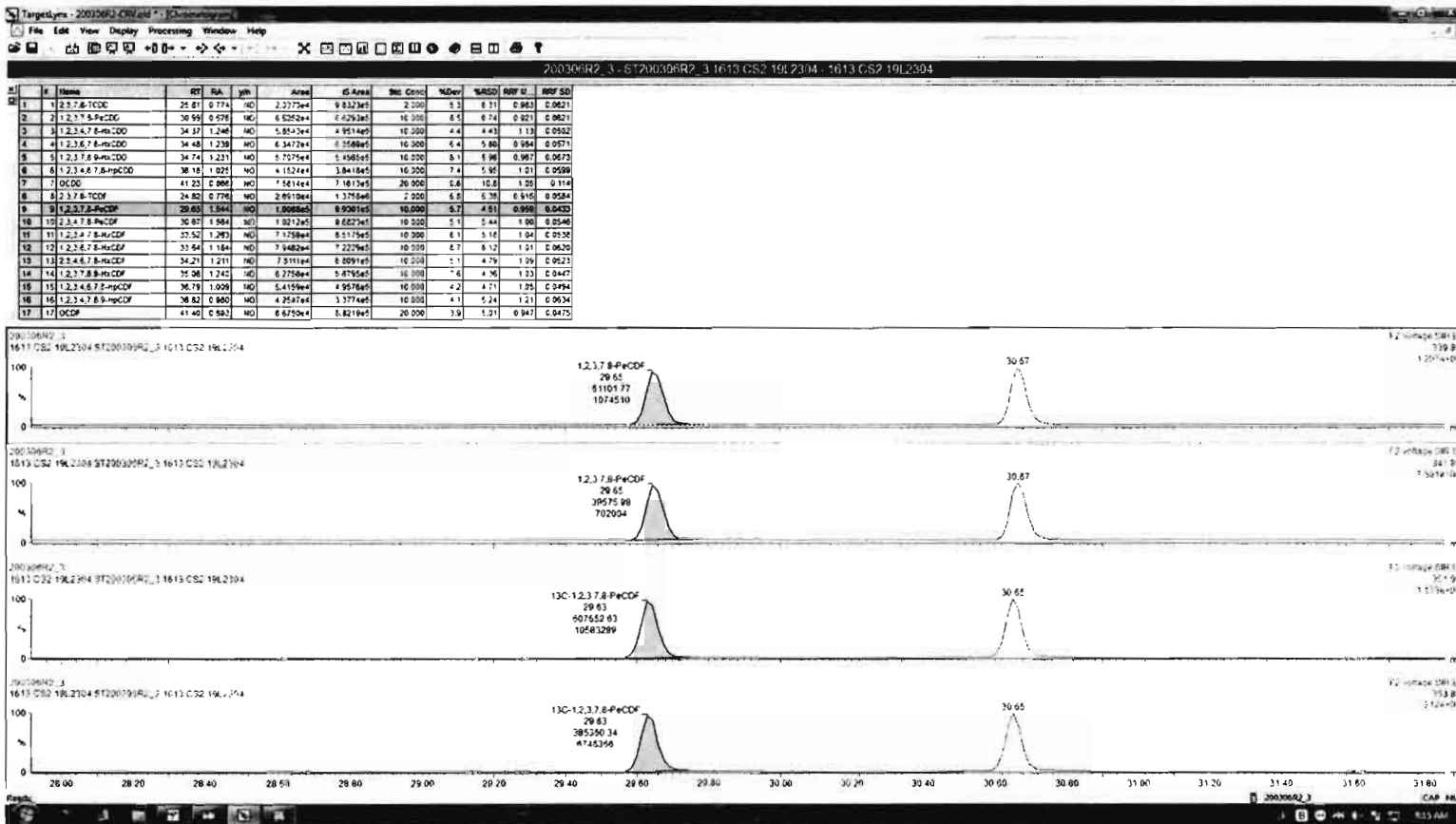
200306R2_3



DPE2

200306R2_3





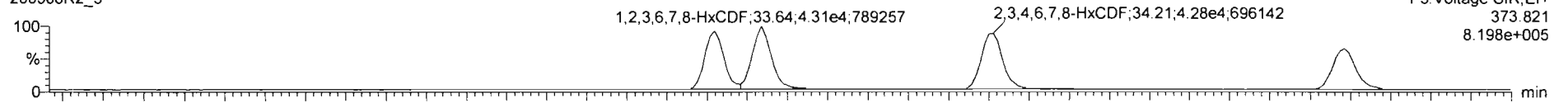
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

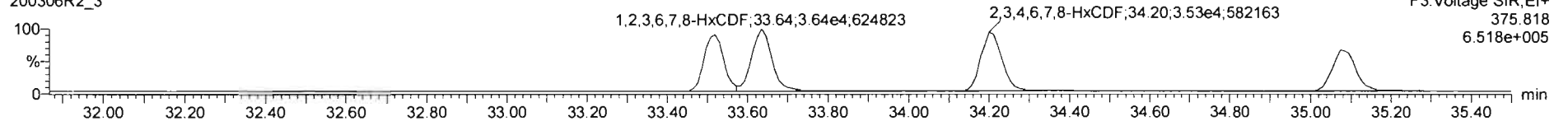
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1,2,3,4,7,8-HxCDF

200306R2_3

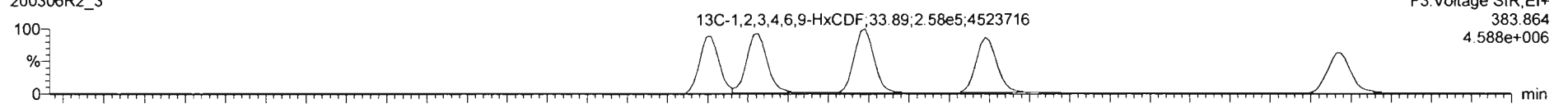


200306R2_3

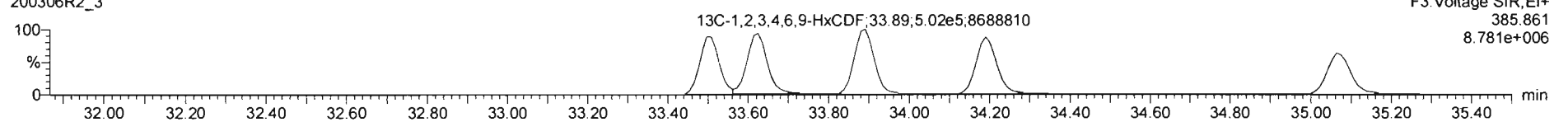


13C-1,2,3,4,7,8-HxCDF

200306R2_3

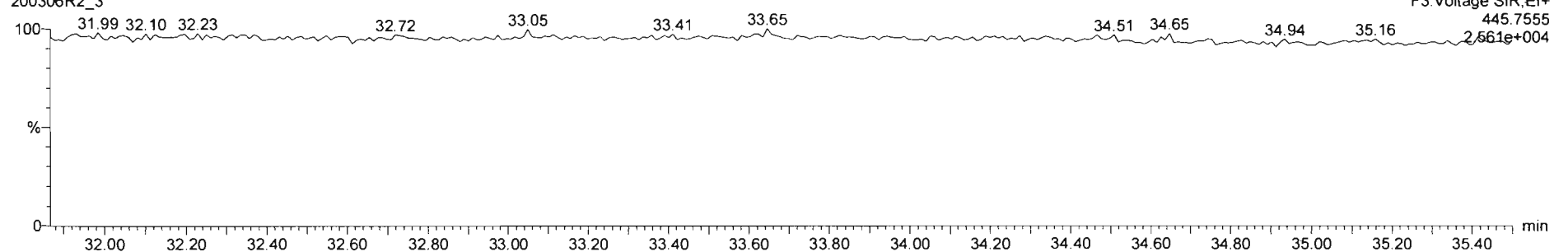


200306R2_3



DPE3

200306R2_3

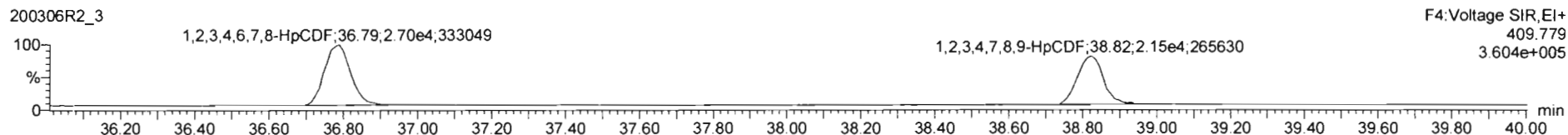
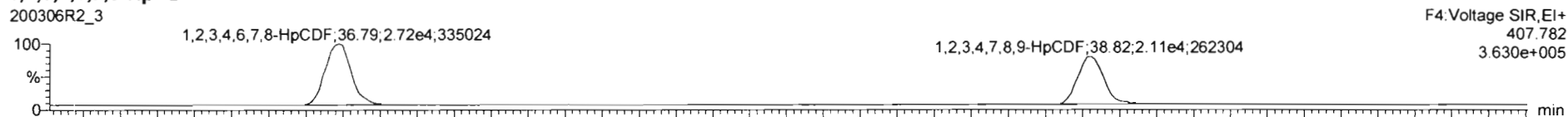


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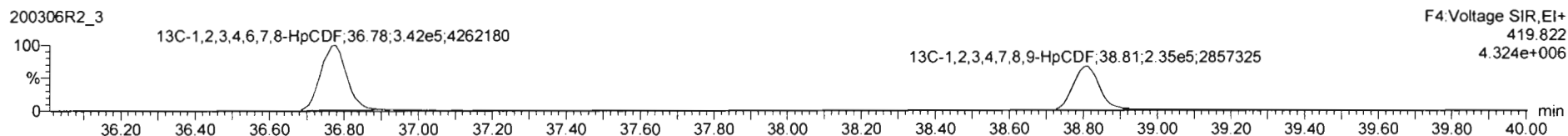
Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_3, Date: 06-Mar-2020, Time: 14:44:37, ID: ST200306R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

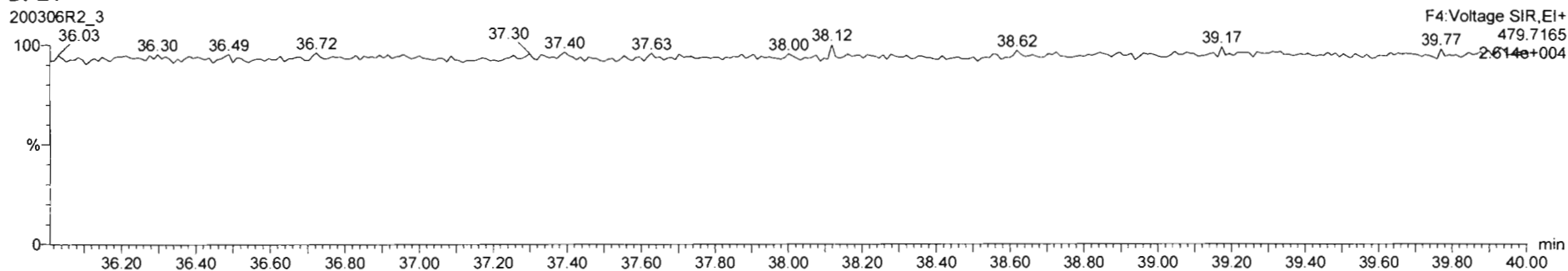
1,2,3,4,6,7,8-HpCDF



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



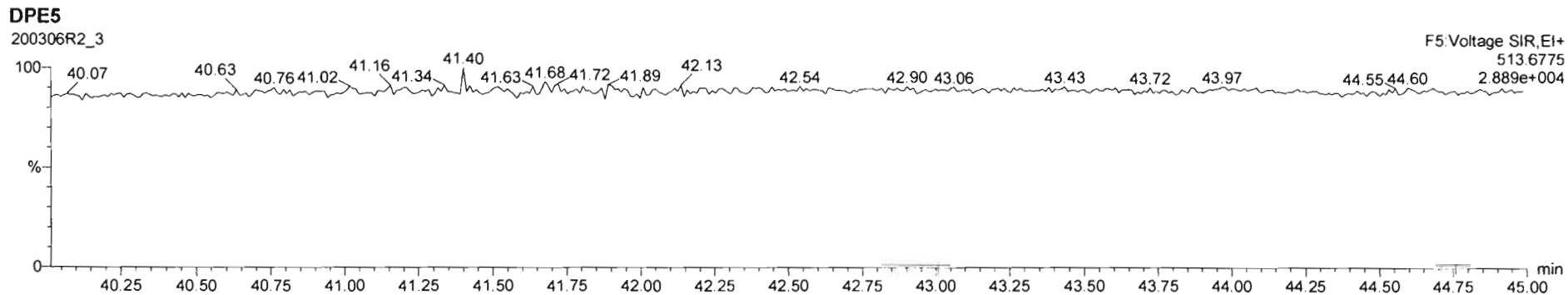
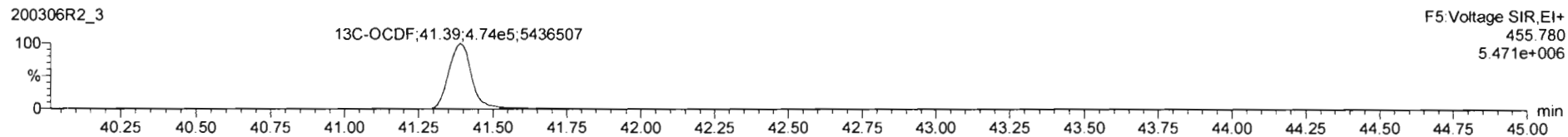
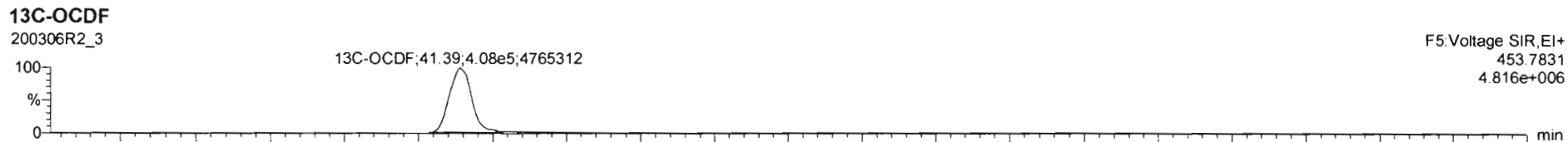
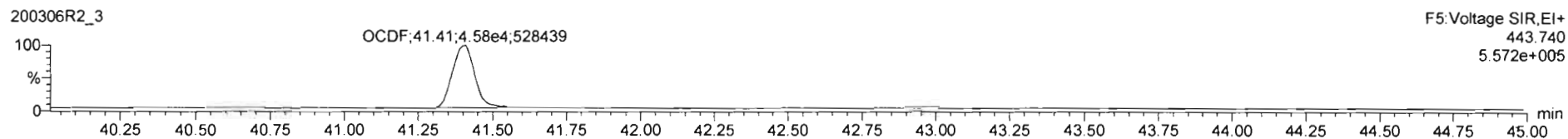
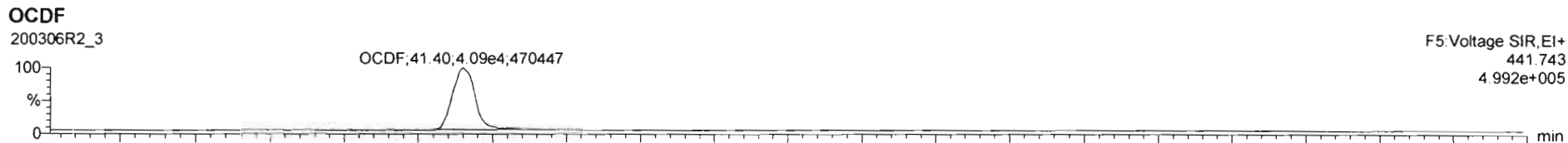
DPE4



Dataset: Untitled

Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

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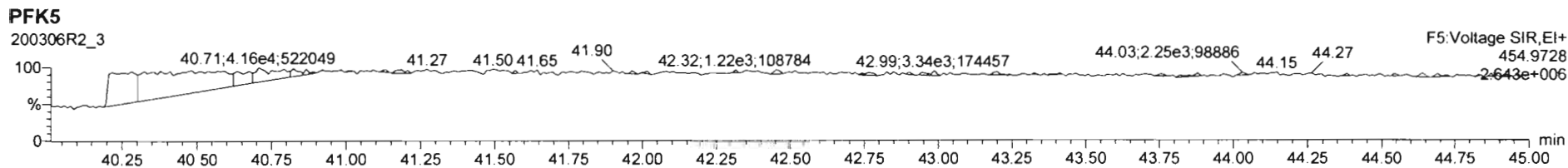
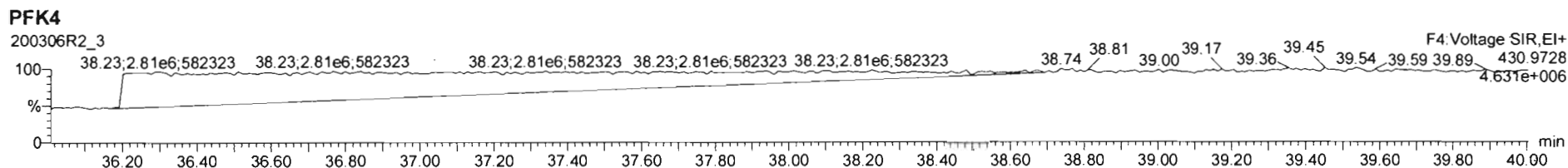
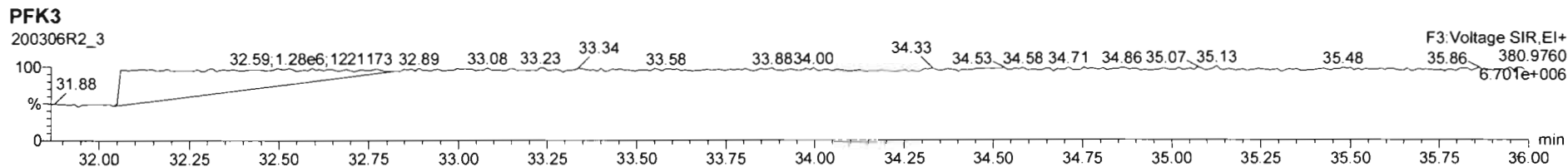
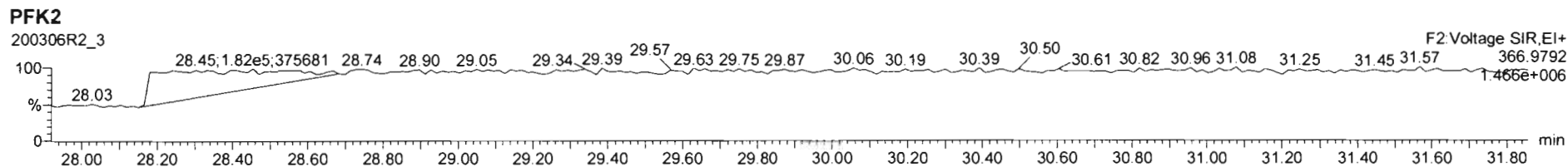
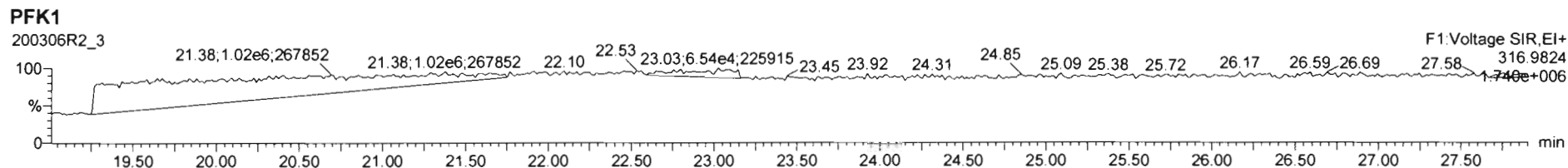


Dataset: Untitled

Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time

Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

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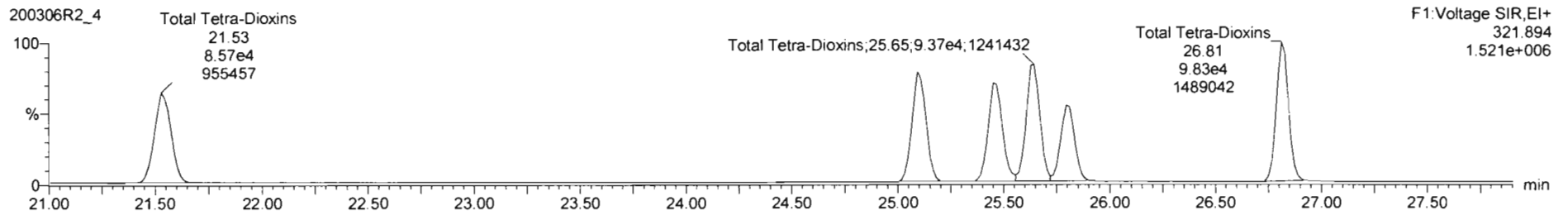
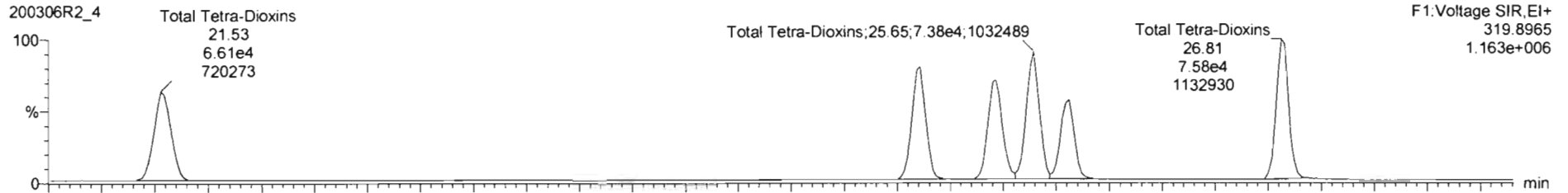


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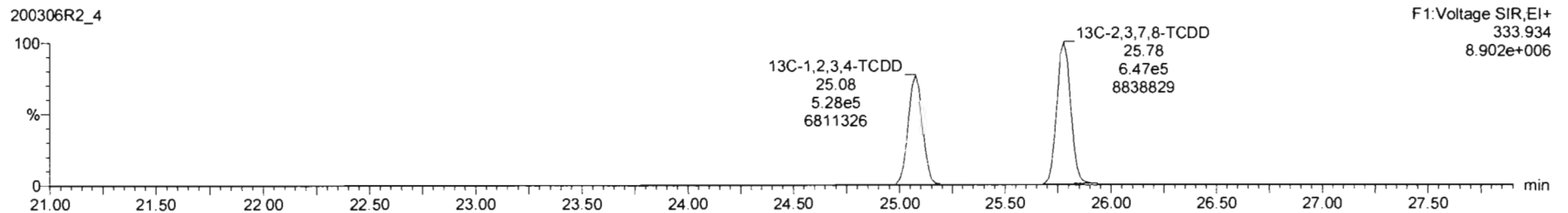
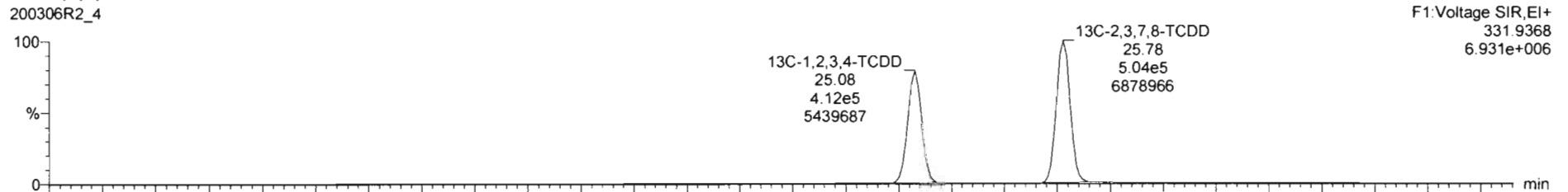
Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_4, Date: 06-Mar-2020, Time: 15:32:12, ID: ST200306R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



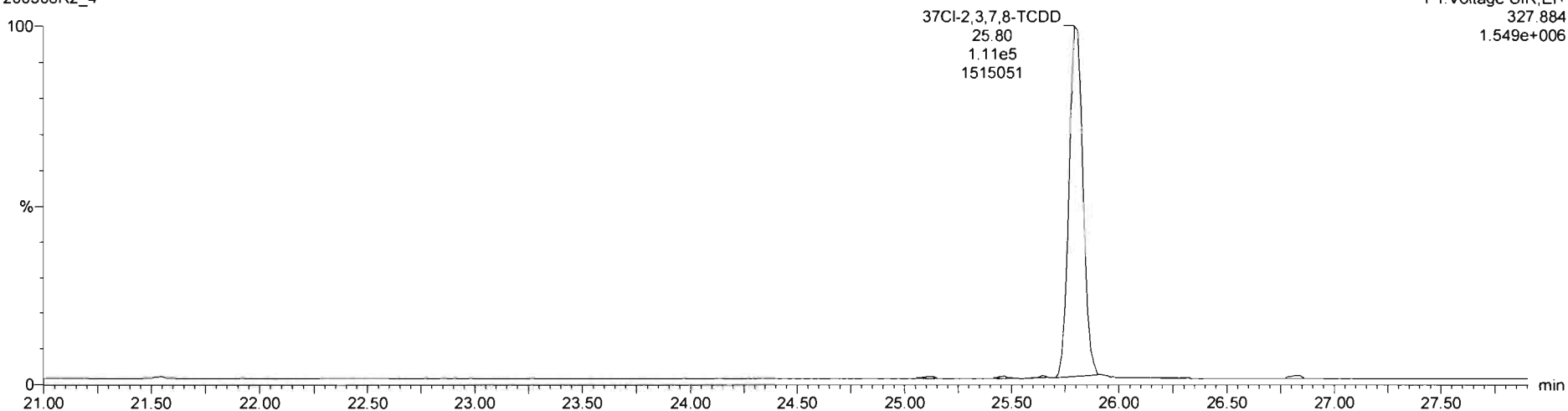
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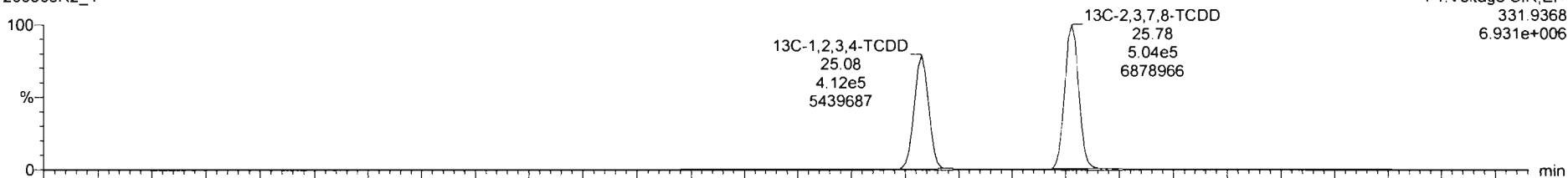
37Cl-2,3,7,8-TCDD

200306R2_4

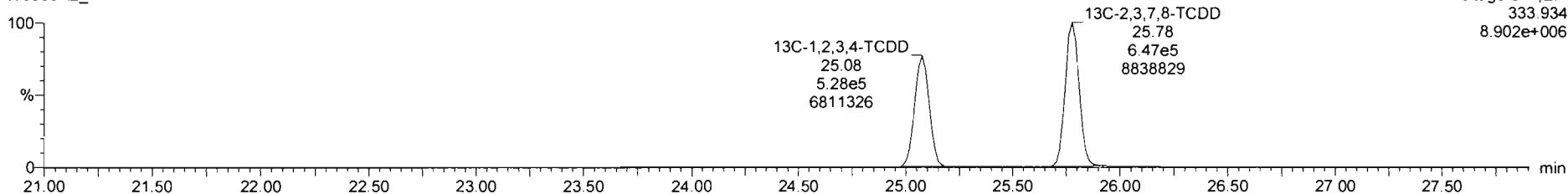


13C-1,2,3,4-TCDD

200306R2_4



200306R2_4



Dataset: Untitled

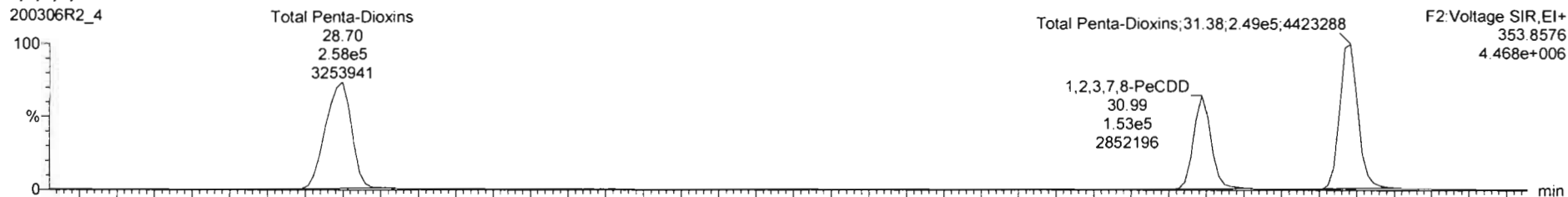
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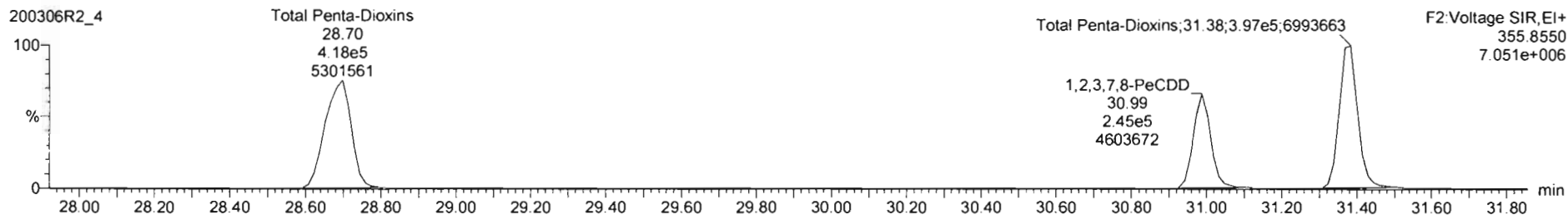
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1,2,3,7,8-PeCDD

200306R2_4

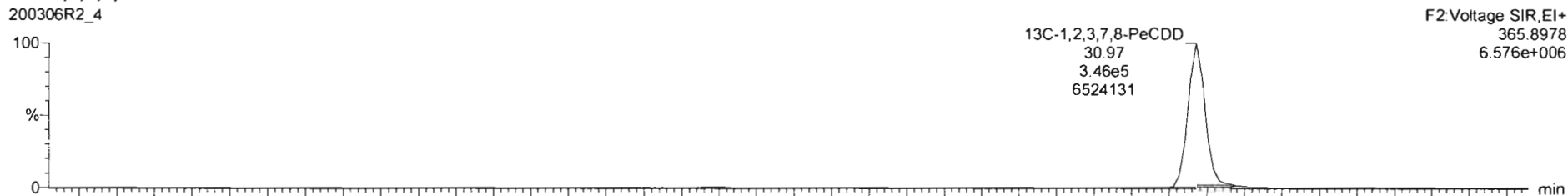


200306R2_4

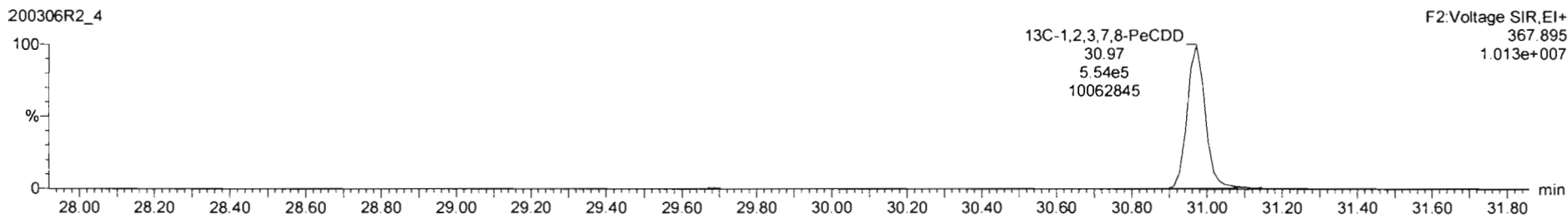


13C-1,2,3,7,8-PeCDD

200306R2_4



200306R2_4



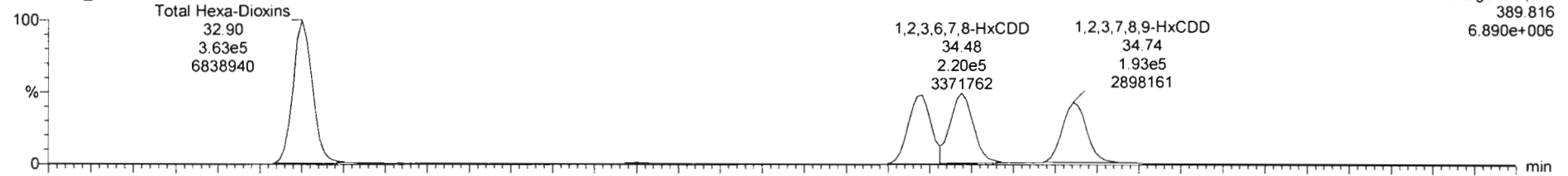
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

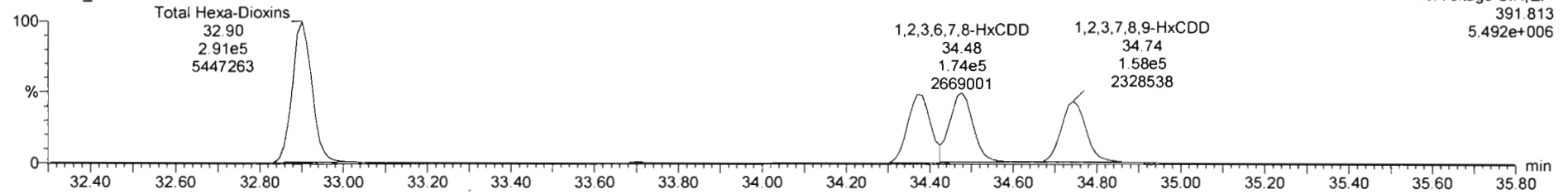
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1,2,3,4,7,8-HxCDD

200306R2_4

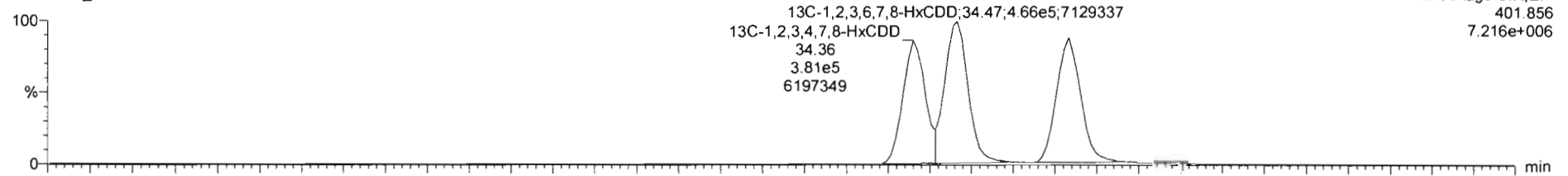


200306R2_4

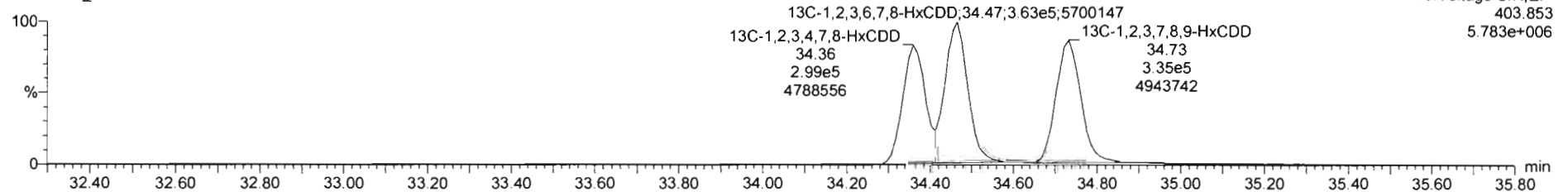


13C-1,2,3,4,7,8-HxCDD

200306R2_4



200306R2_4



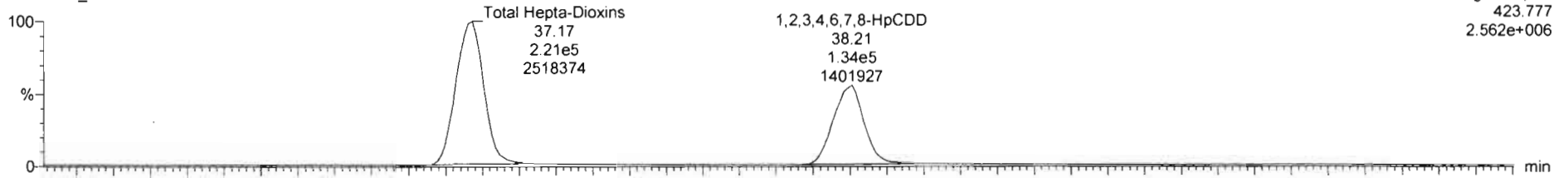
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Last Altered: Monday, March 09, 2020 08:23:06 Pacific Daylight Time
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Name: 200306R2_4, Date: 06-Mar-2020, Time: 15:32:12, ID: ST200306R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

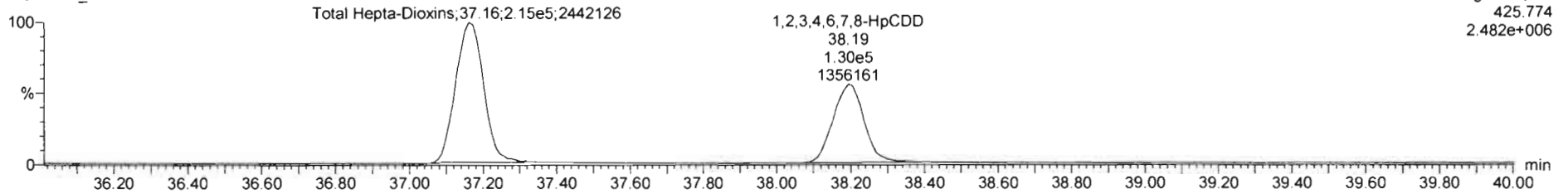
1,2,3,4,6,7,8-HpCDD

200306R2_4



F4: Voltage SIR, EI+
423.777
2.562e+006

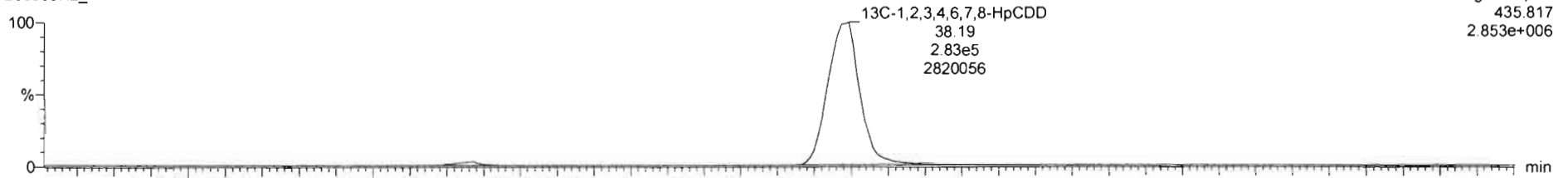
200306R2_4



F4: Voltage SIR, EI+
425.774
2.482e+006

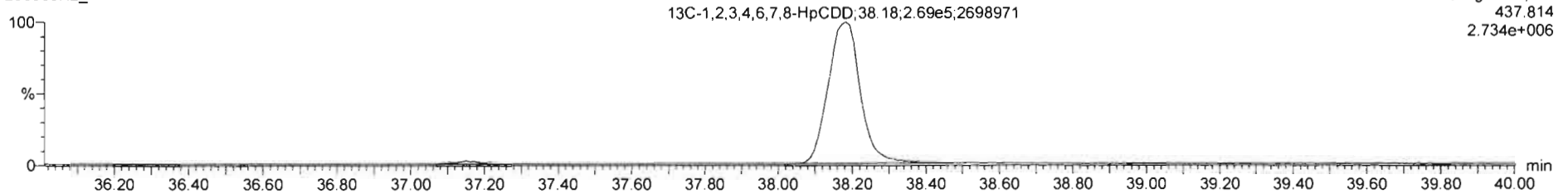
13C-1,2,3,4,6,7,8-HpCDD

200306R2_4



F4: Voltage SIR, EI+
435.817
2.853e+006

200306R2_4

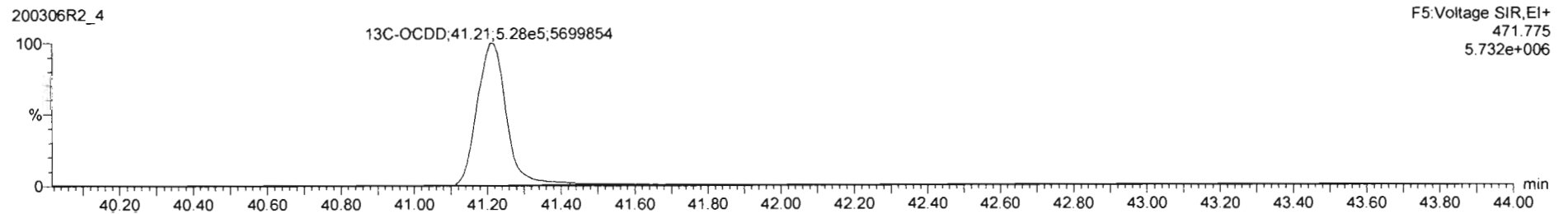
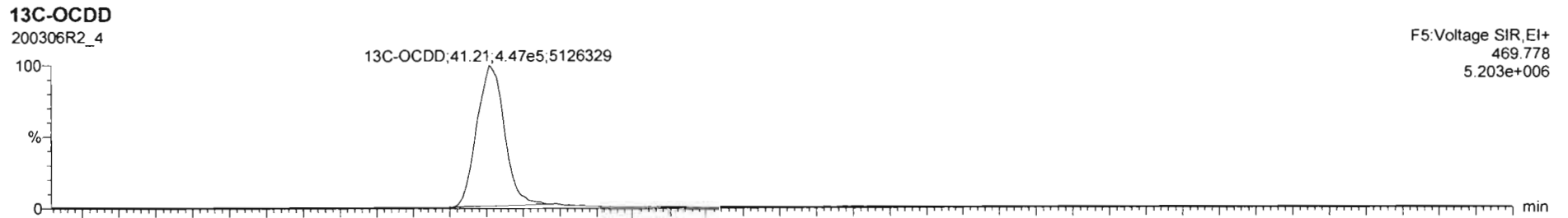
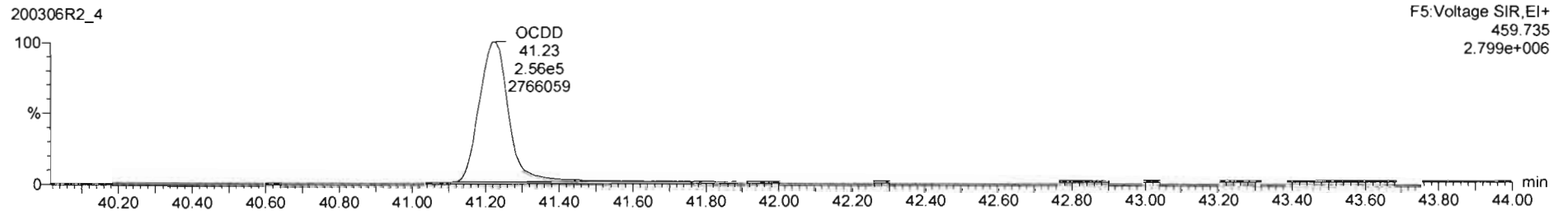
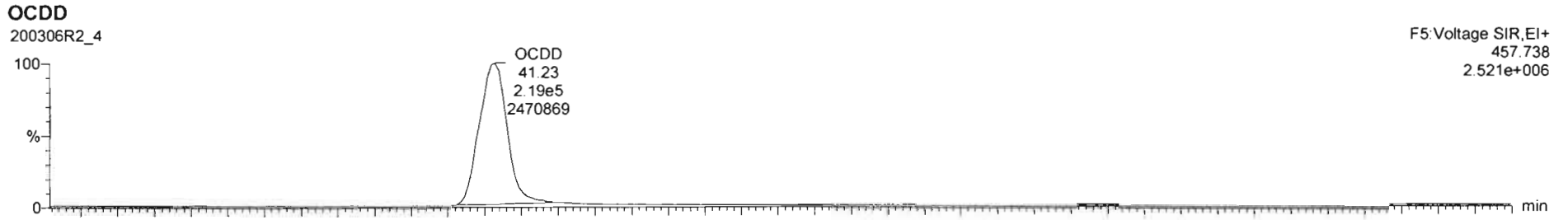


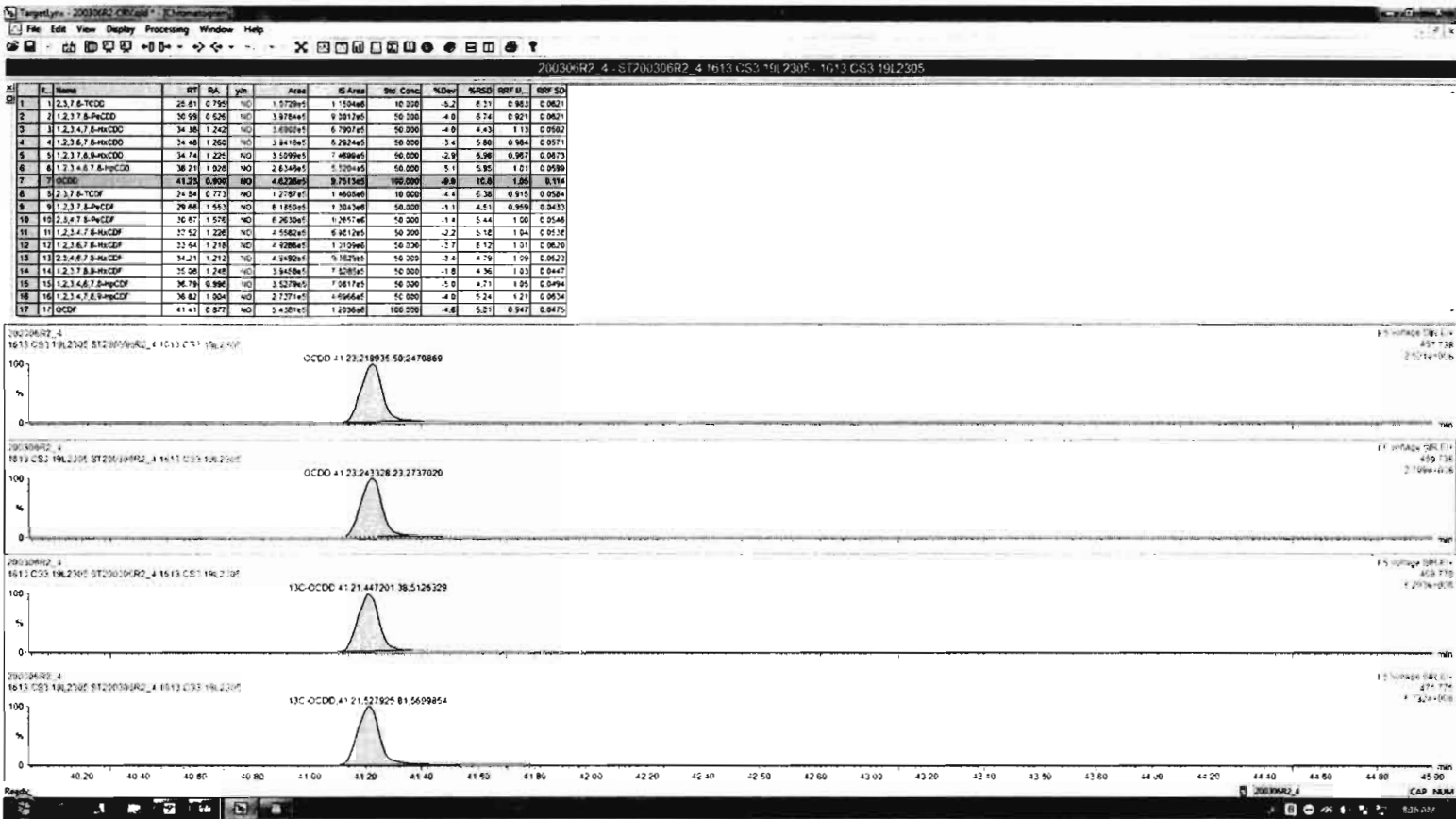
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437.814
2.734e+006

Dataset: Untitled

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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_4, Date: 06-Mar-2020, Time: 15:32:12, ID: ST200306R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305





Dataset: Untitled

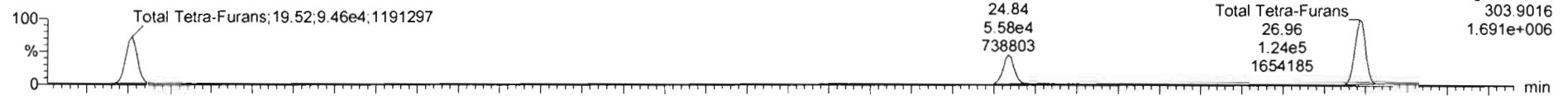
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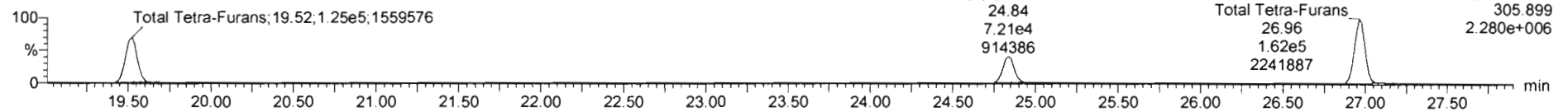
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2,3,7,8-TCDF

200306R2_4

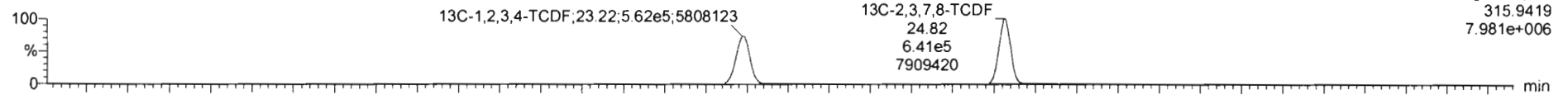


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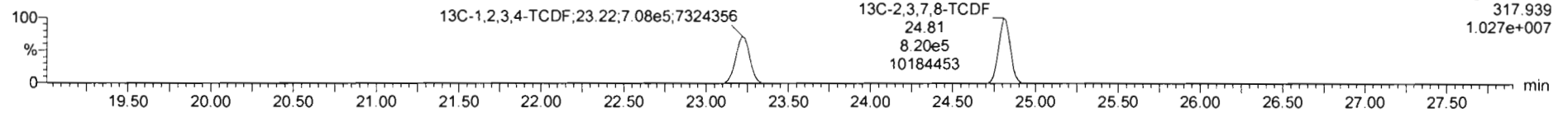


13C-2,3,7,8-TCDF

200306R2_4

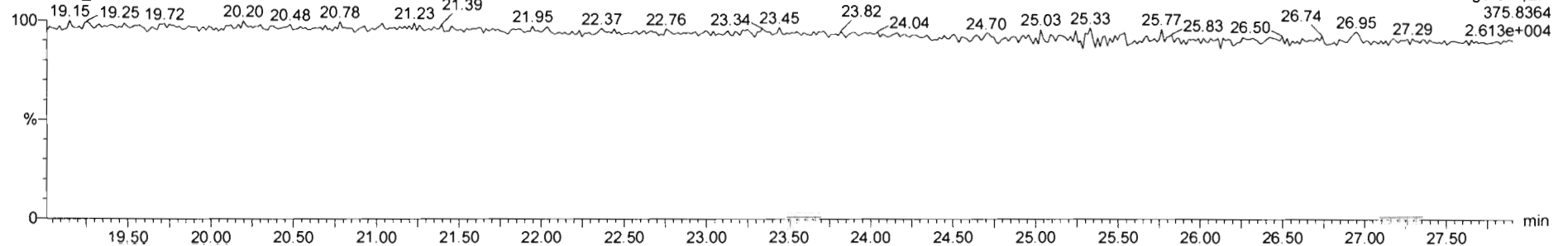


200306R2_4



DPE1

200306R2_4



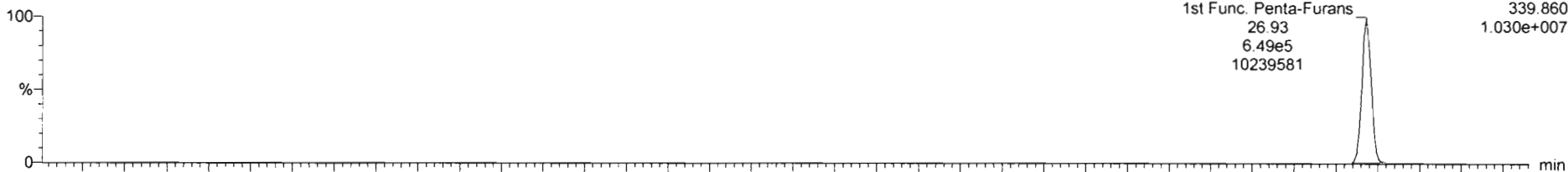
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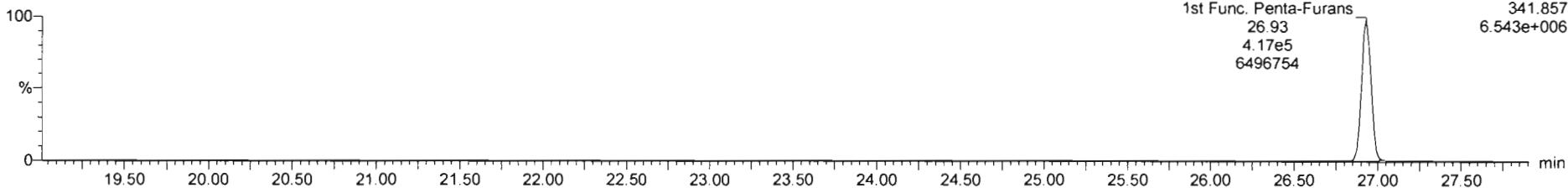
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1st Func. Penta-Furans

200306R2_4

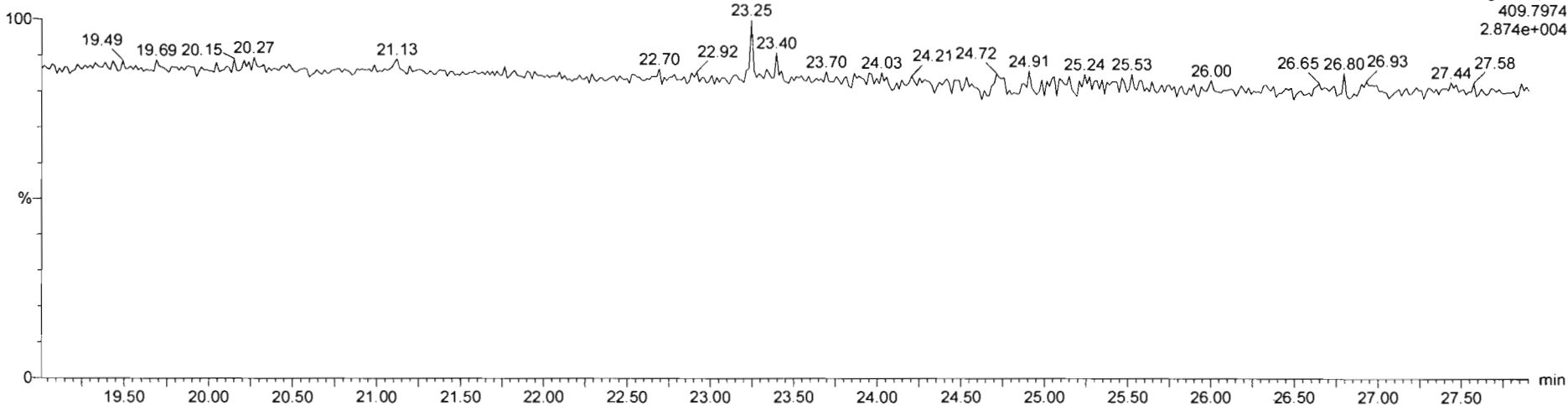


200306R2_4



DPE6

200306R2_4



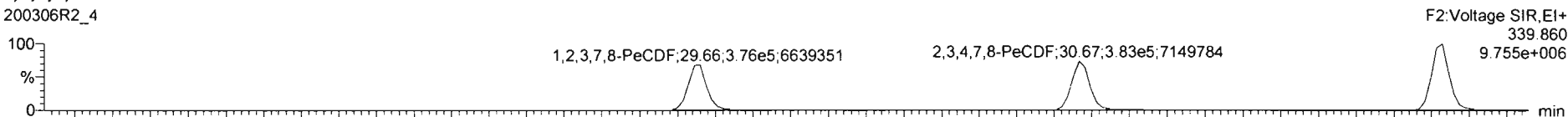
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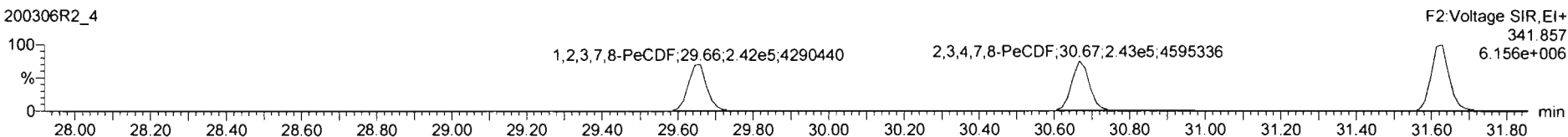
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1,2,3,7,8-PeCDF

200306R2_4

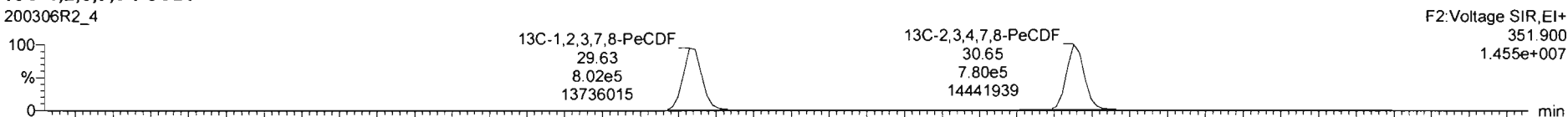


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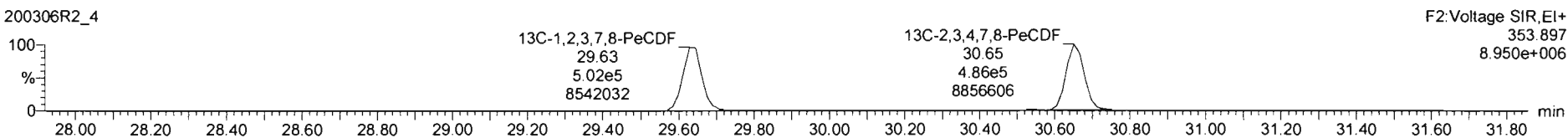


13C-1,2,3,7,8-PeCDF

200306R2_4

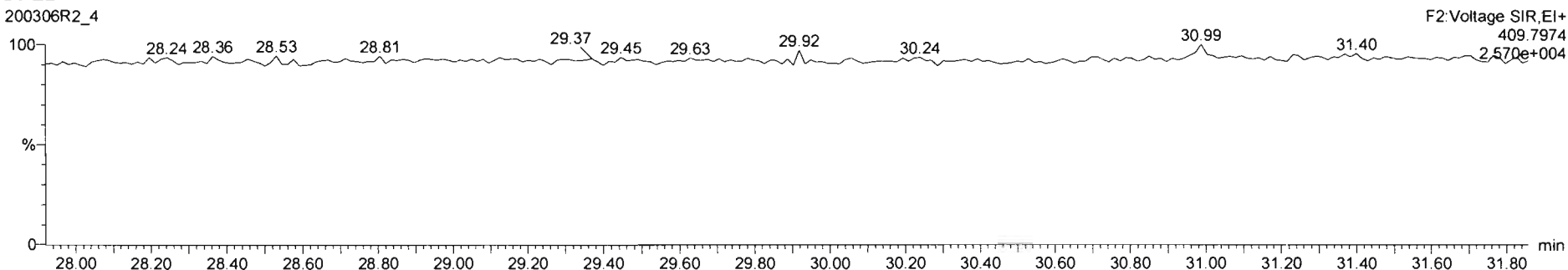


200306R2_4



DPE2

200306R2_4



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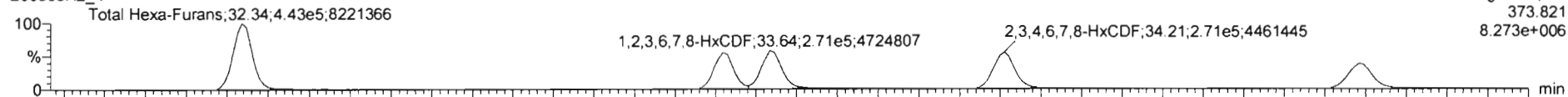
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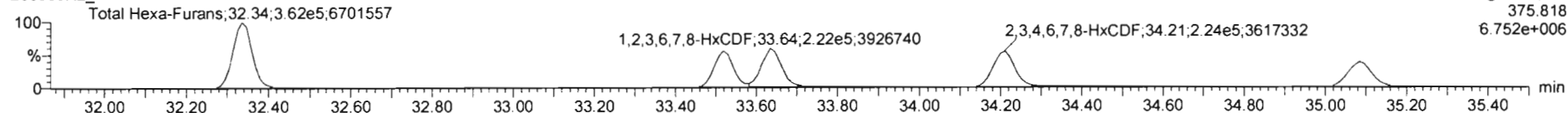
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1,2,3,4,7,8-HxCDF

200306R2_4

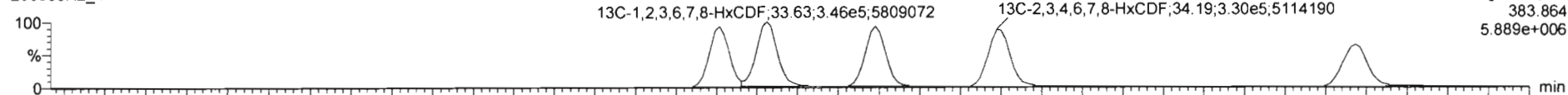


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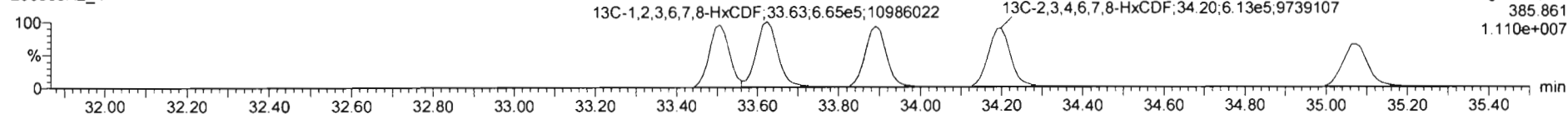


13C-1,2,3,4,7,8-HxCDF

200306R2_4

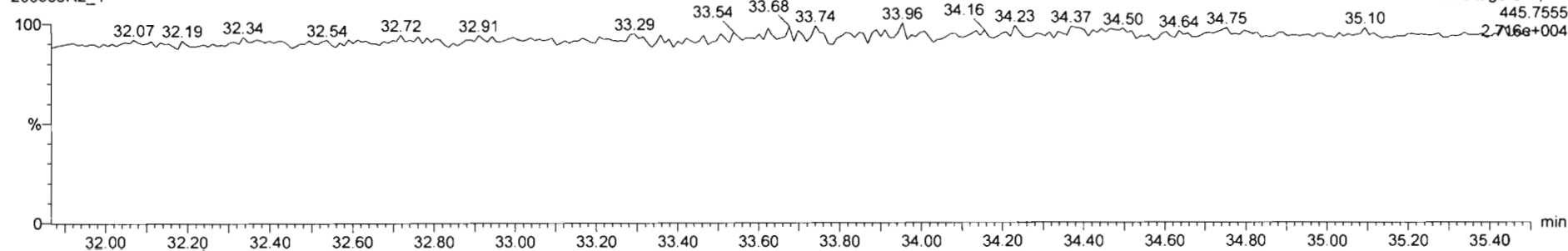


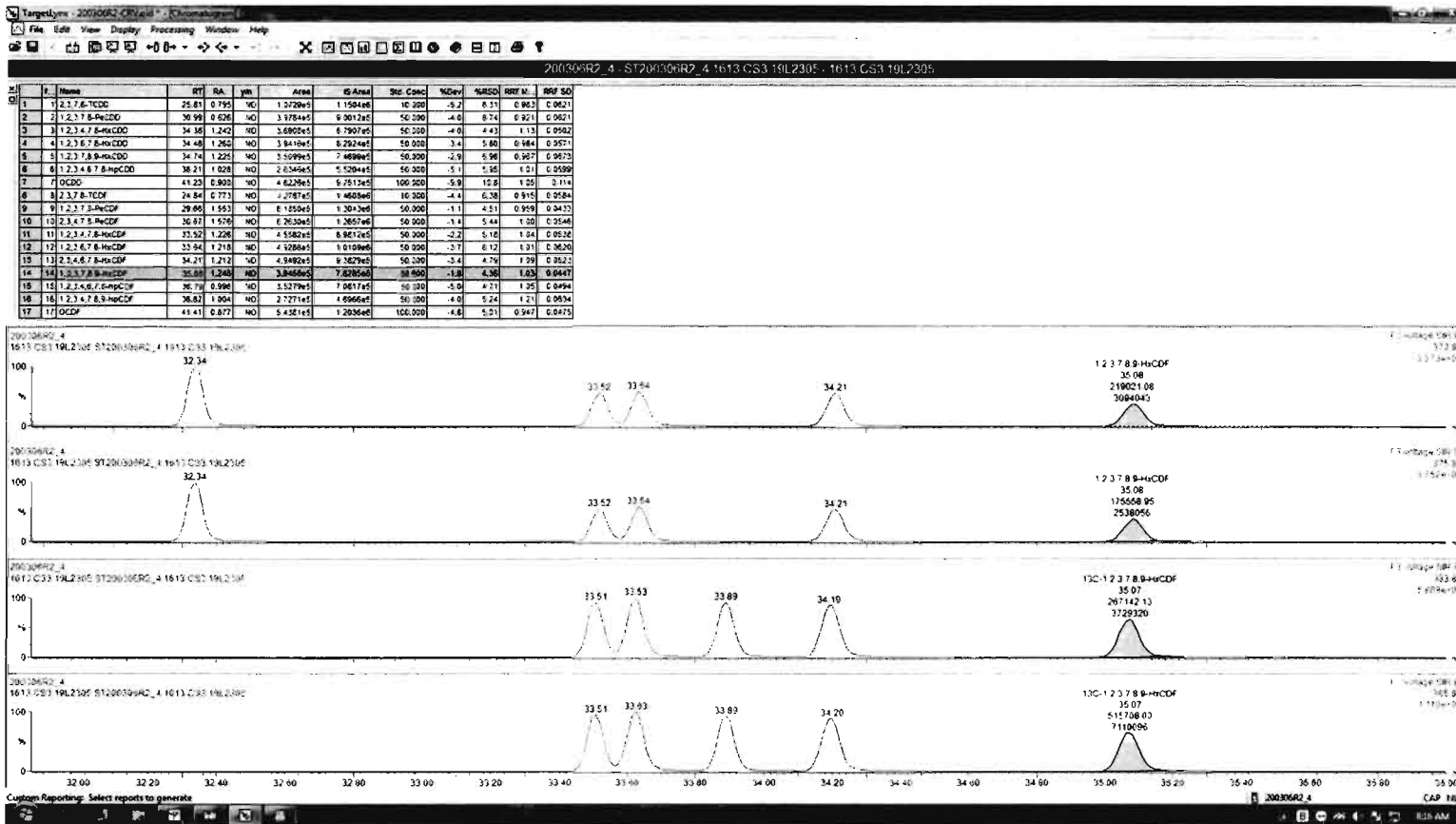
200306R2_4



DPE3

200306R2_4





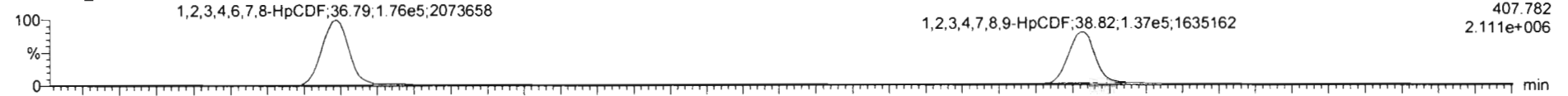
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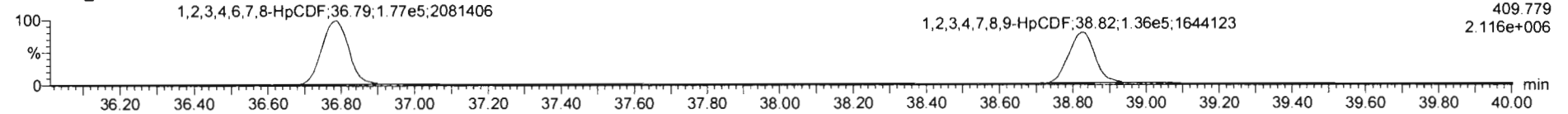
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1,2,3,4,6,7,8-HpCDF

200306R2_4

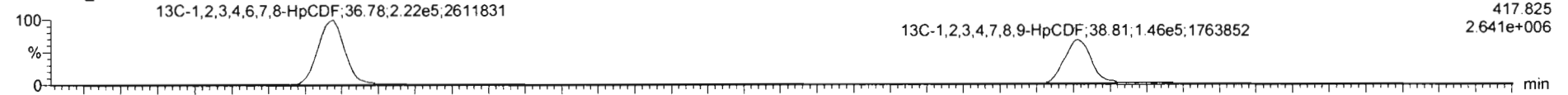


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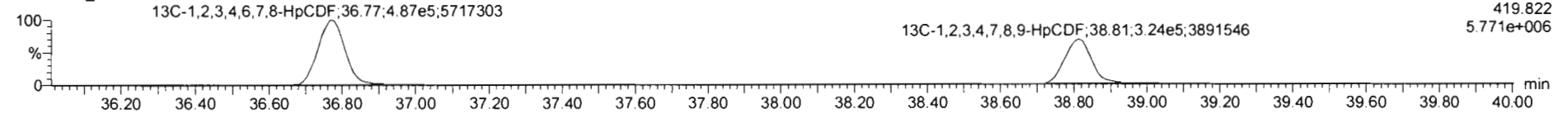


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200306R2_4

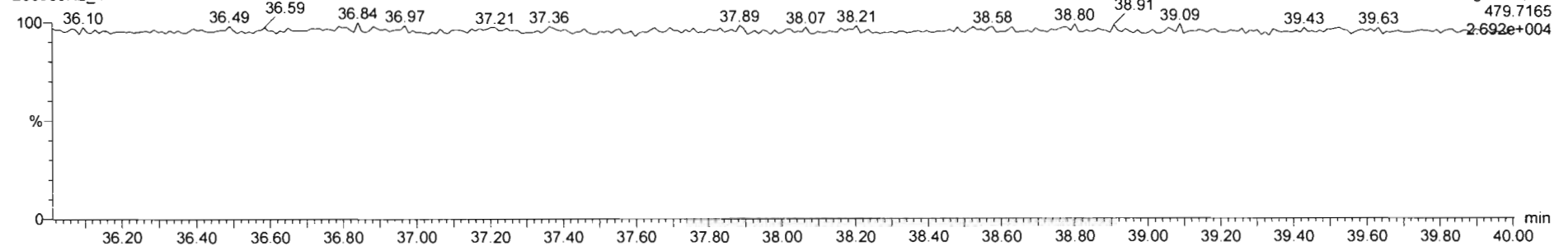


200306R2_4



DPE4

200306R2_4

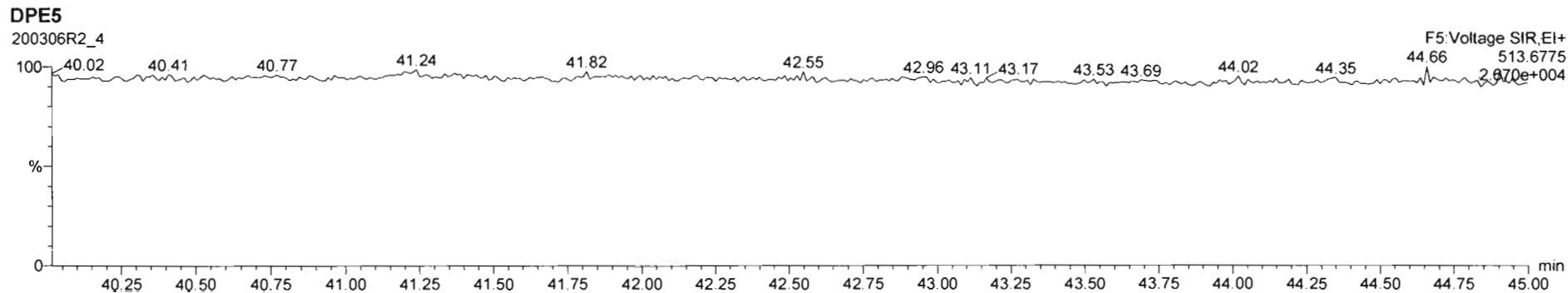
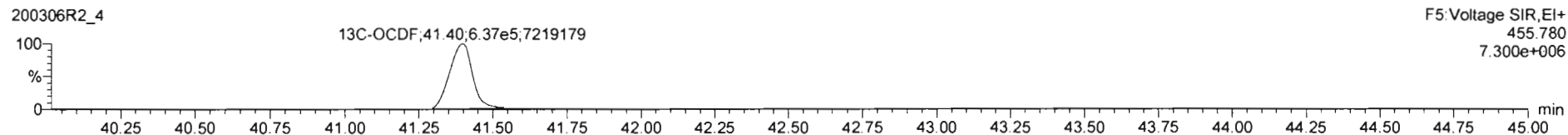
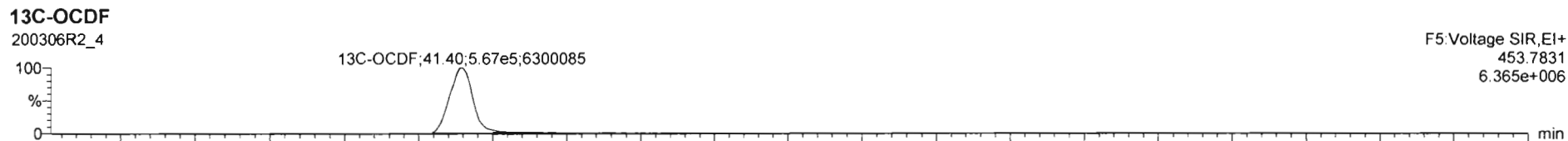
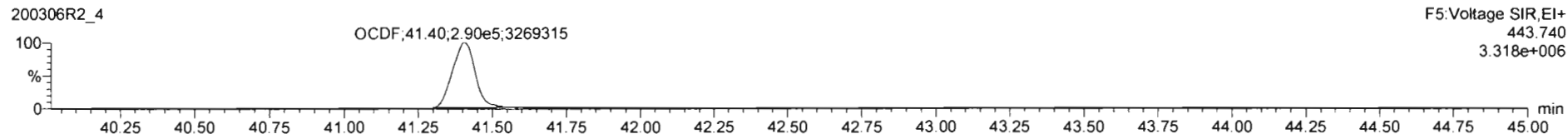
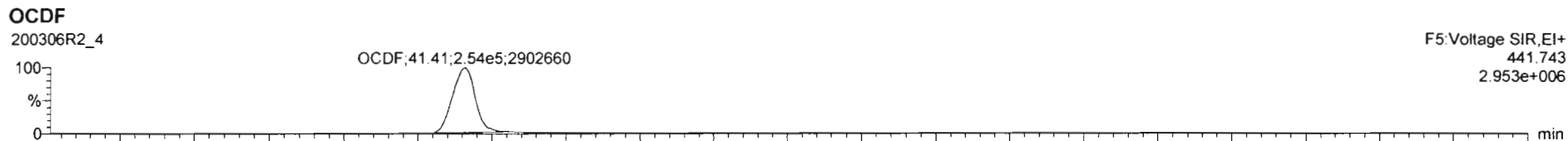


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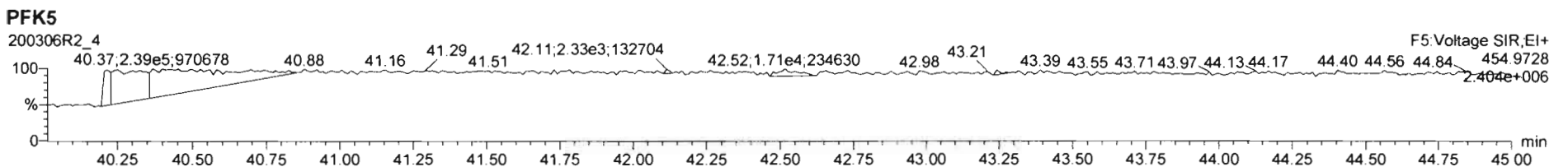
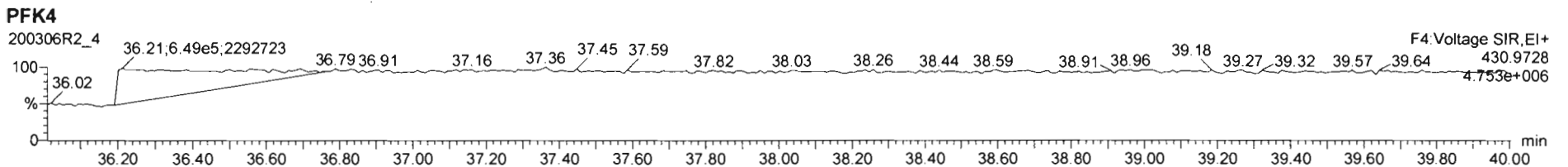
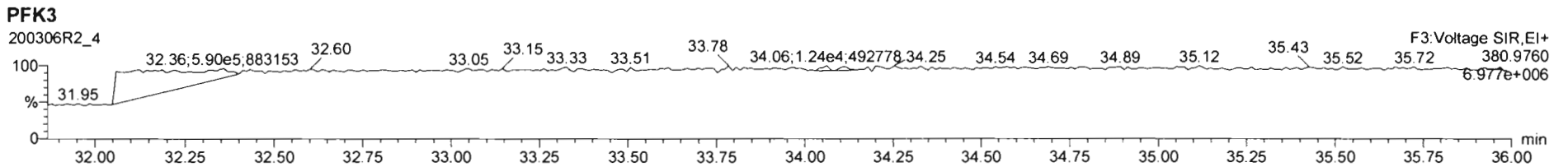
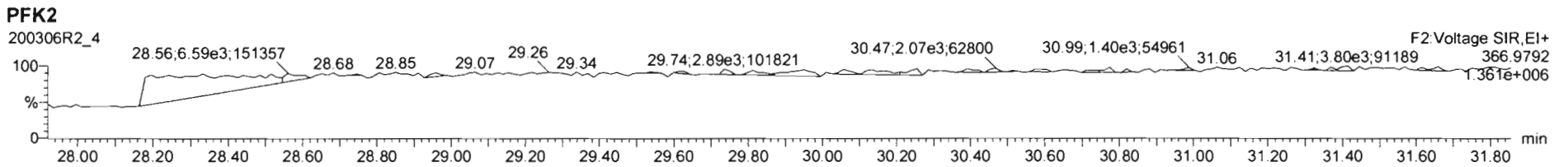
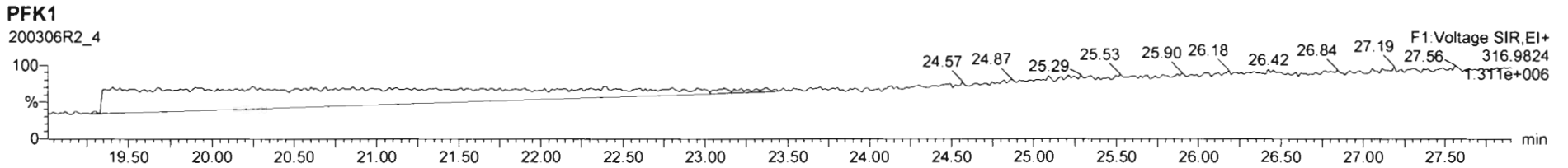
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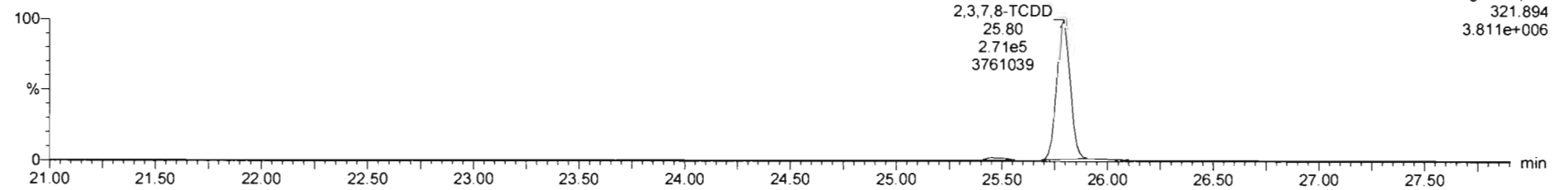
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2,3,7,8-TCDD

200306R2_5

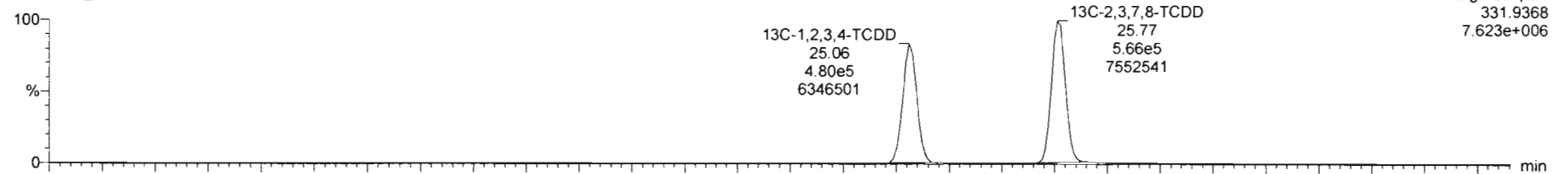


200306R2_5

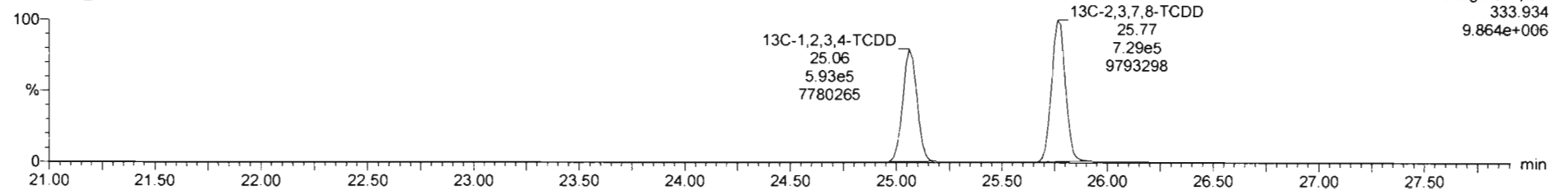


13C-2,3,7,8-TCDD

200306R2_5



200306R2_5



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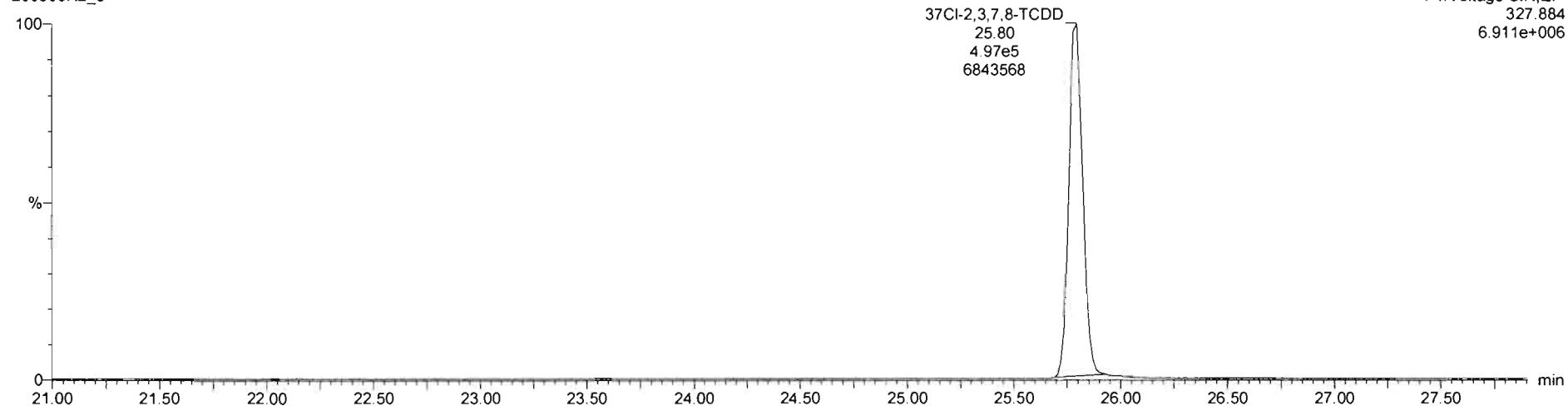
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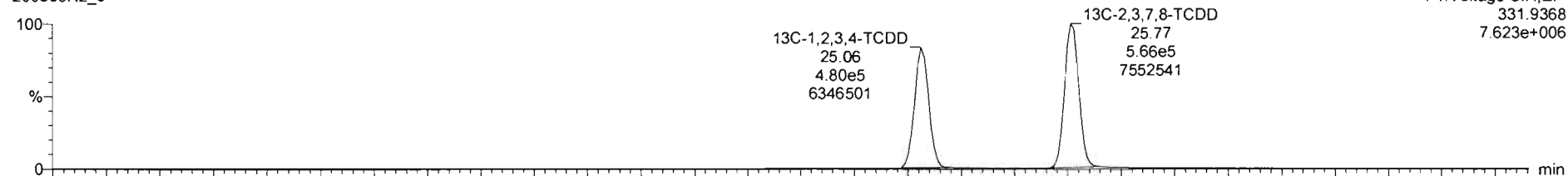
37Cl-2,3,7,8-TCDD

200306R2_5

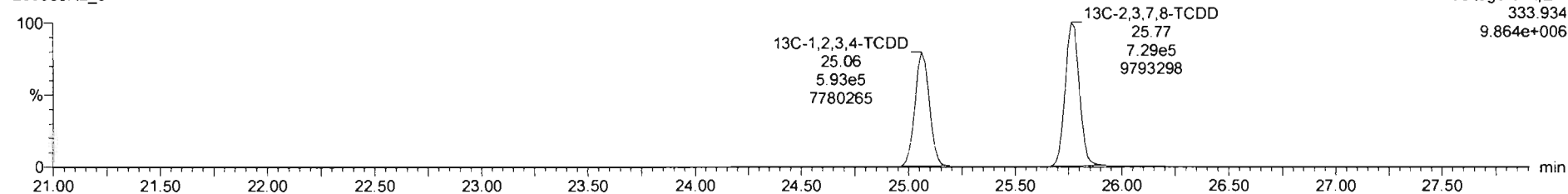


13C-1,2,3,4-TCDD

200306R2_5



200306R2_5



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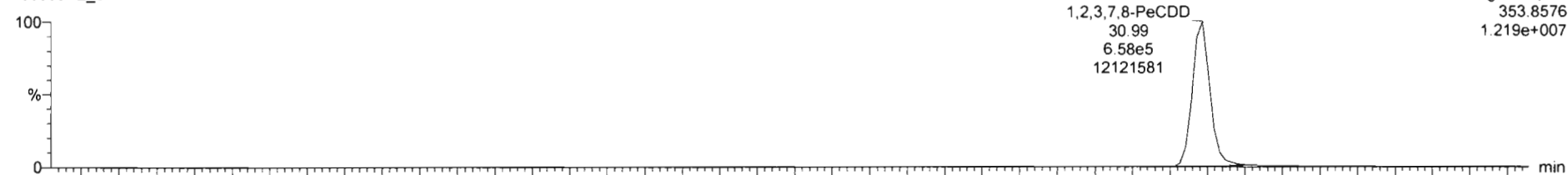
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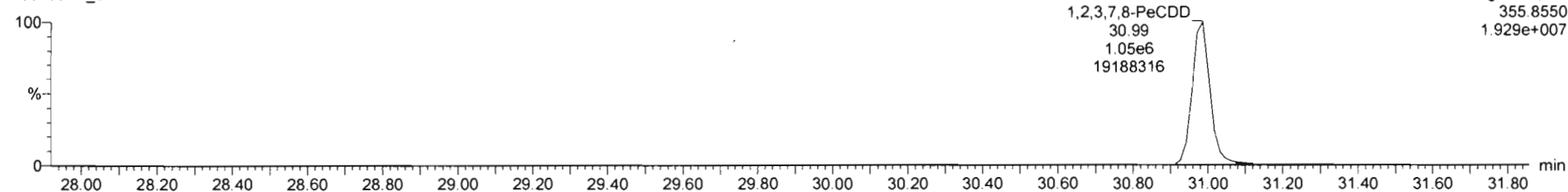
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1,2,3,7,8-PeCDD

200306R2_5

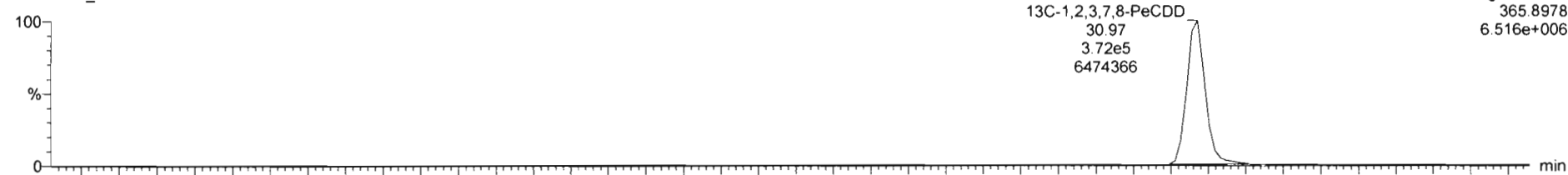


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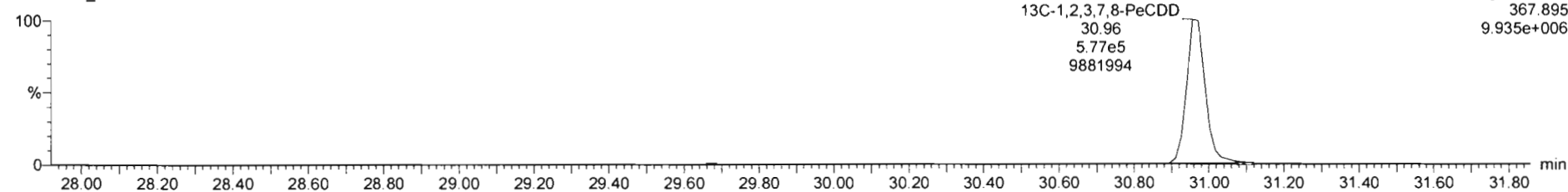


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200306R2_5



200306R2_5



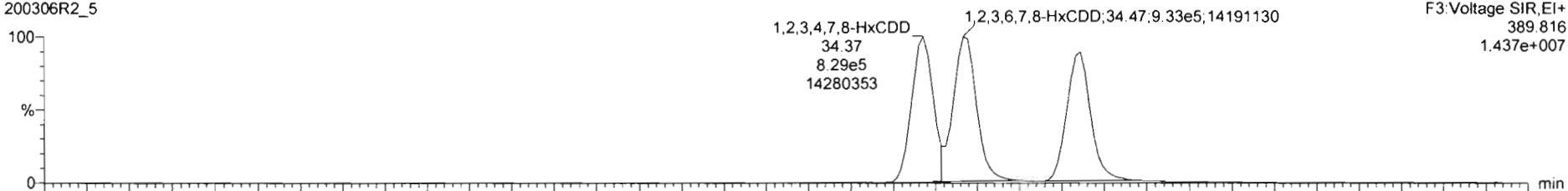
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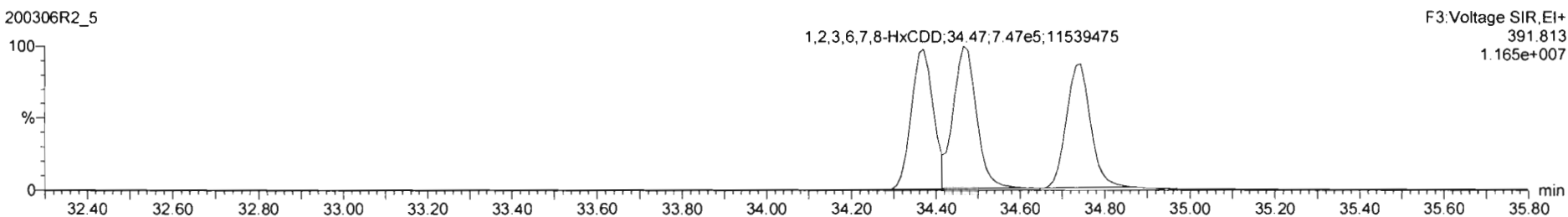
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1,2,3,4,7,8-HxCDD

200306R2_5

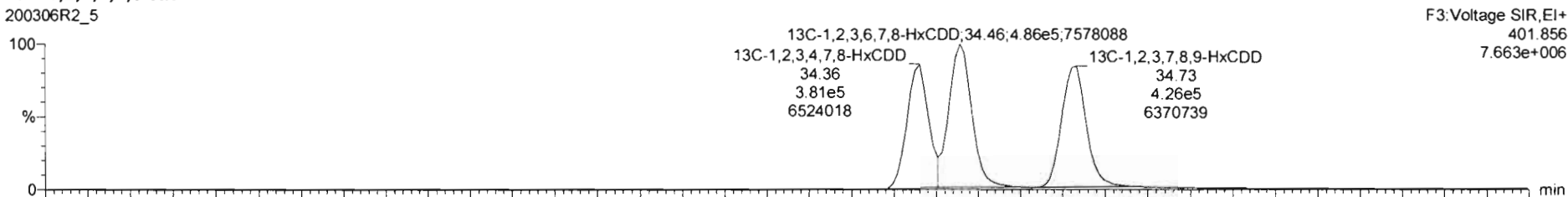


200306R2_5

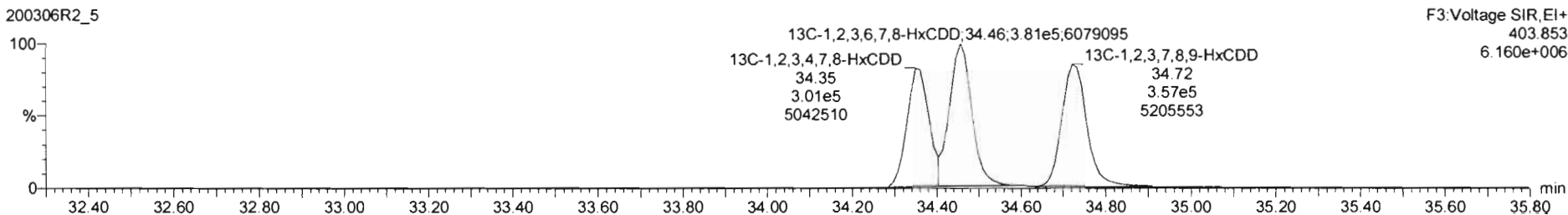


13C-1,2,3,4,7,8-HxCDD

200306R2_5



200306R2_5



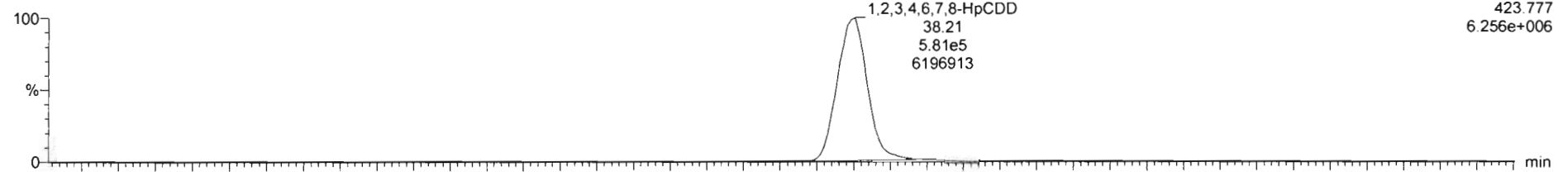
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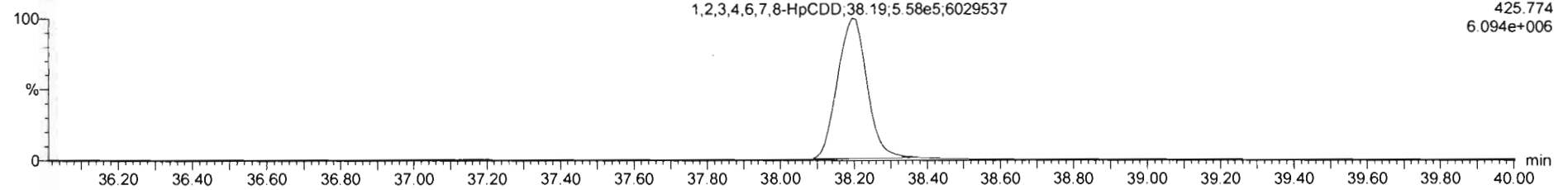
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1,2,3,4,6,7,8-HpCDD

200306R2_5

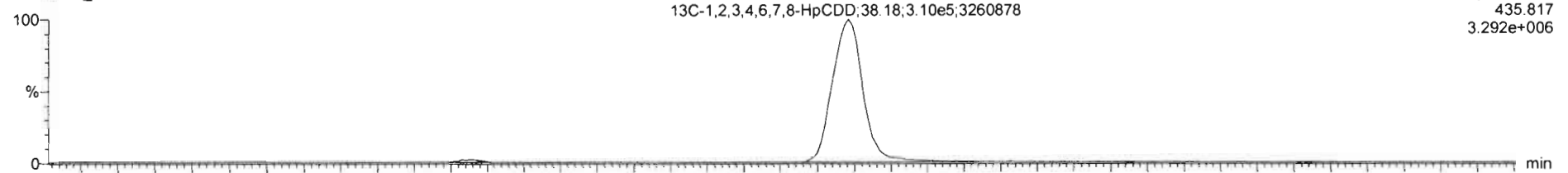


200306R2_5

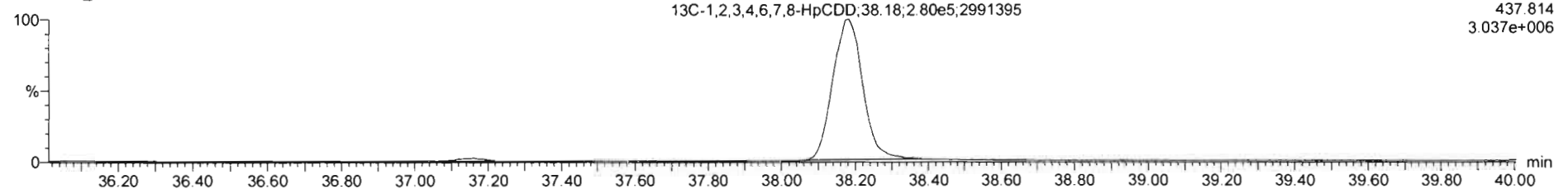


13C-1,2,3,4,6,7,8-HpCDD

200306R2_5



200306R2_5



Dataset: Untitled

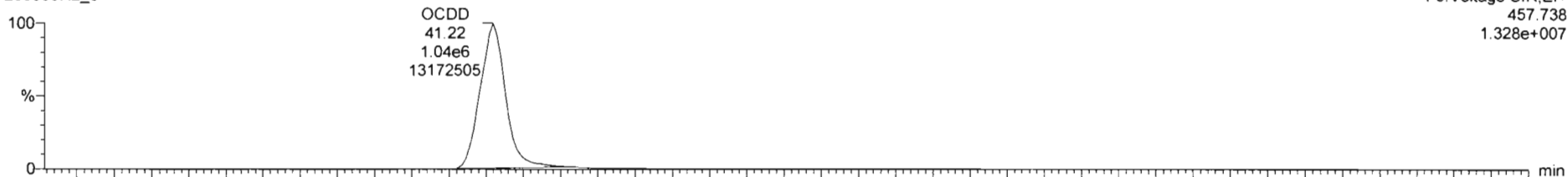
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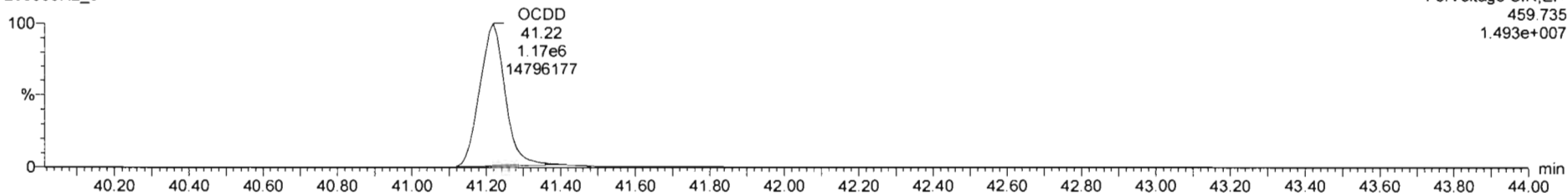
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OCDD

200306R2_5

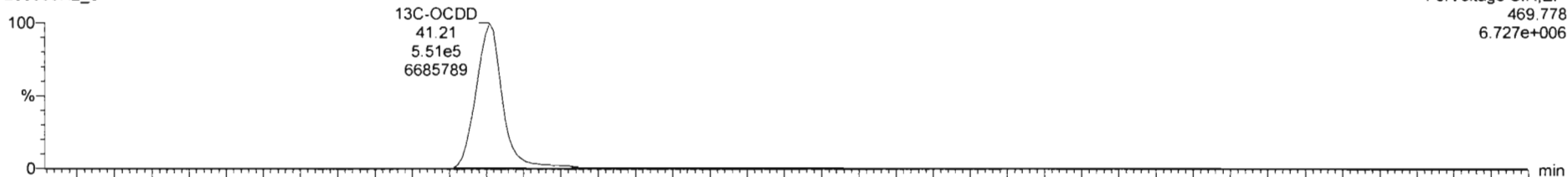


200306R2_5

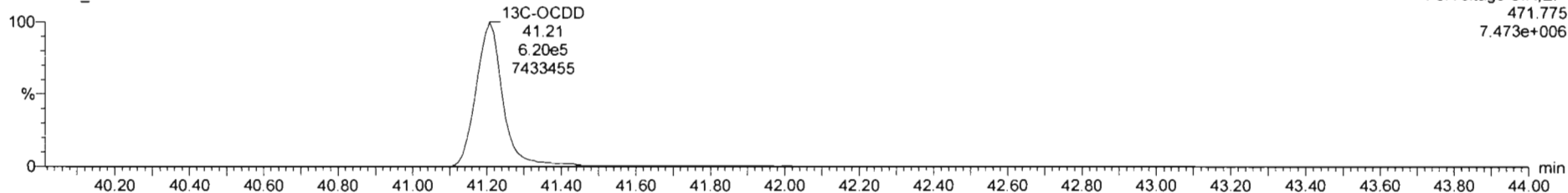


13C-OCDD

200306R2_5



200306R2_5



Dataset: Untitled

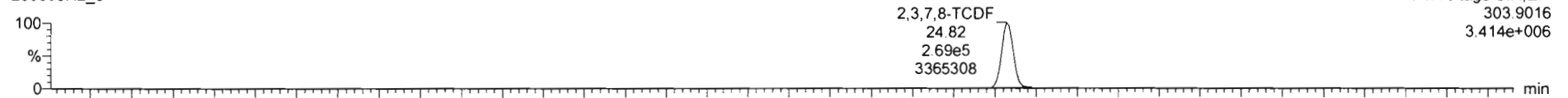
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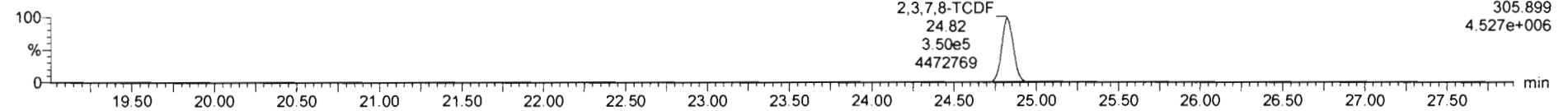
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2,3,7,8-TCDF

200306R2_5

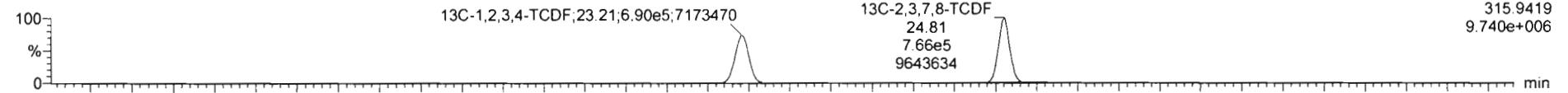


200306R2_5

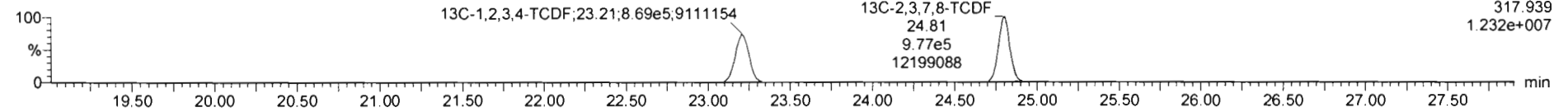


13C-2,3,7,8-TCDF

200306R2_5

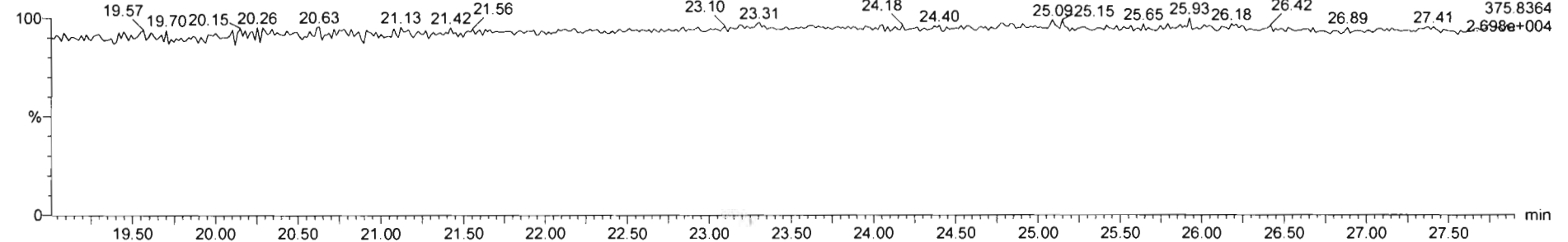


200306R2_5



DPE1

200306R2_5

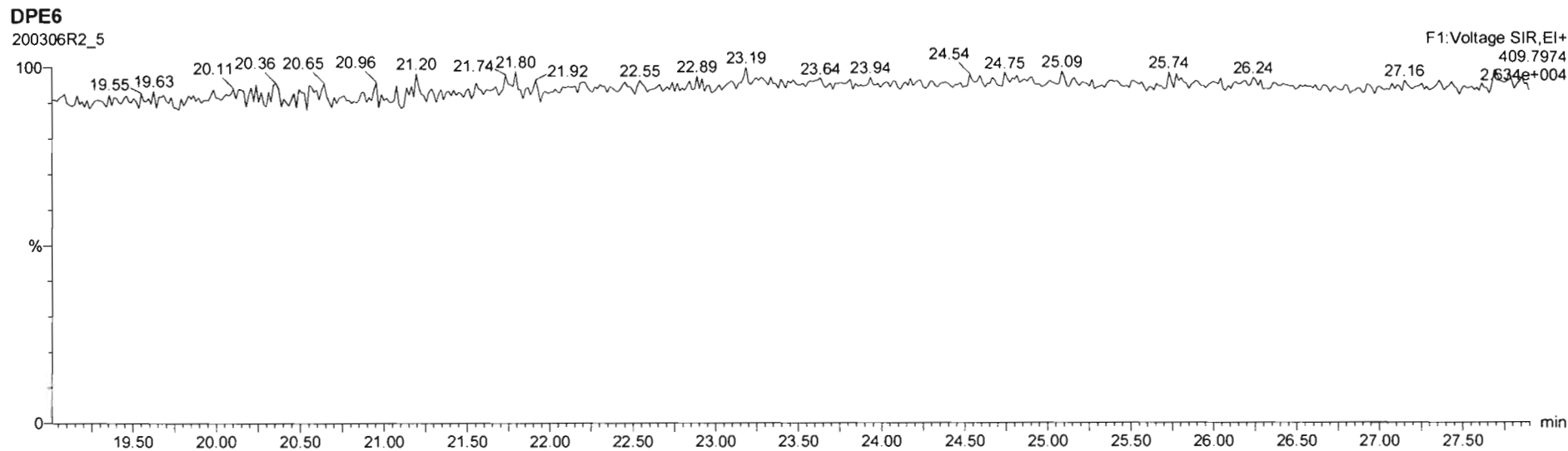
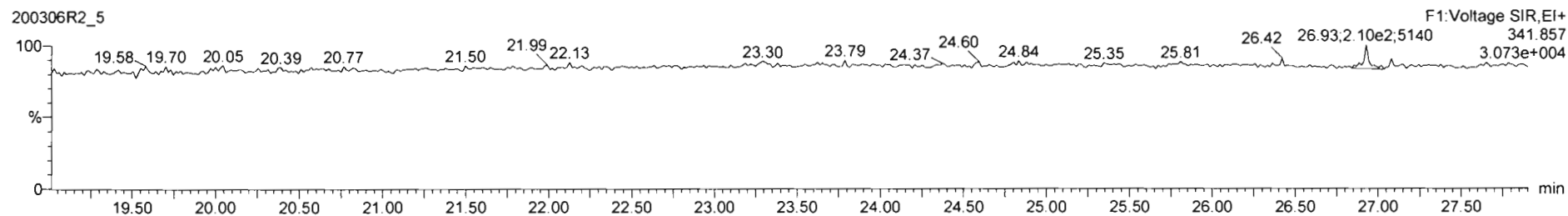
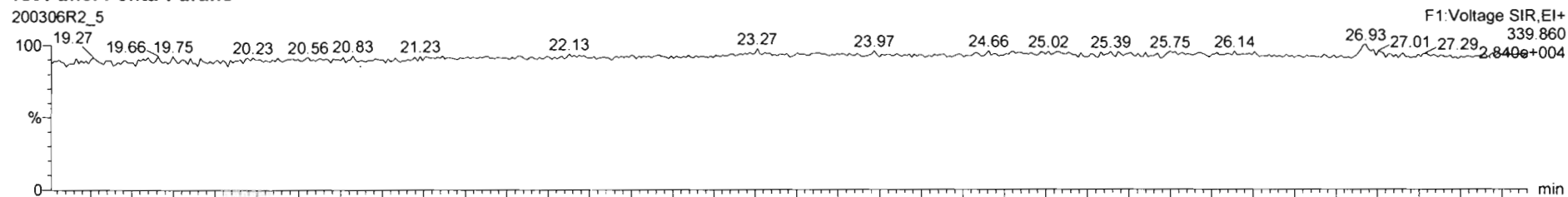


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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

Name: 200306R2_5, Date: 06-Mar-2020, Time: 16:19:37, ID: ST200306R2_5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

1st Func. Penta-Furans



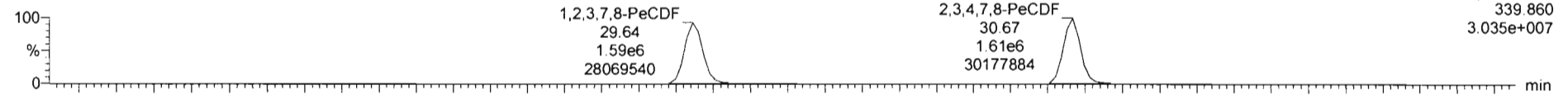
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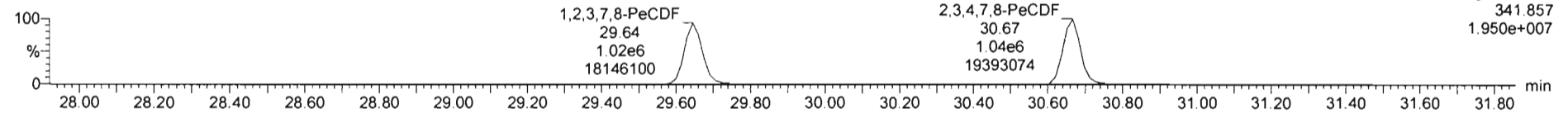
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1,2,3,7,8-PeCDF

200306R2_5

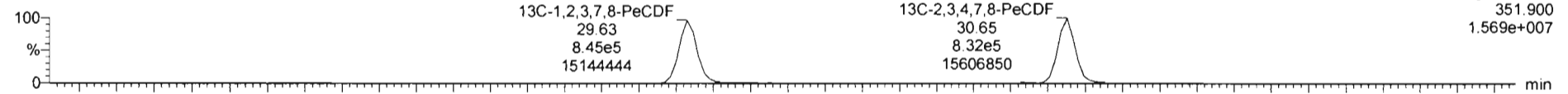


200306R2_5

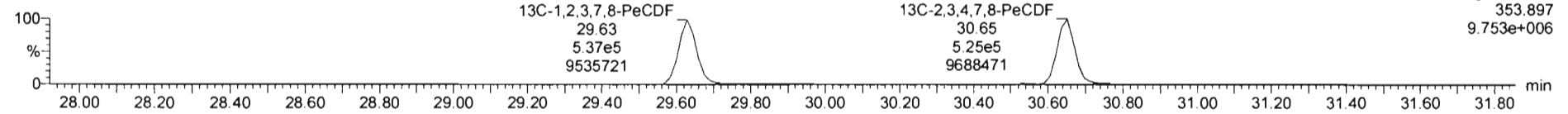


13C-1,2,3,7,8-PeCDF

200306R2_5

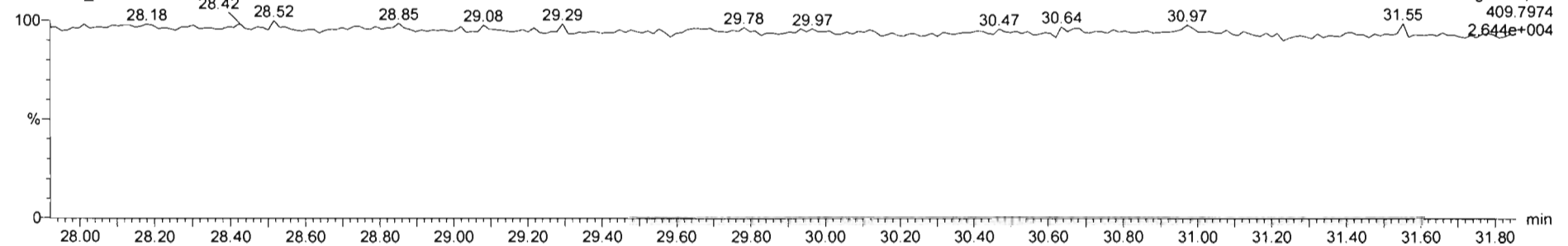


200306R2_5



DPE2

200306R2_5



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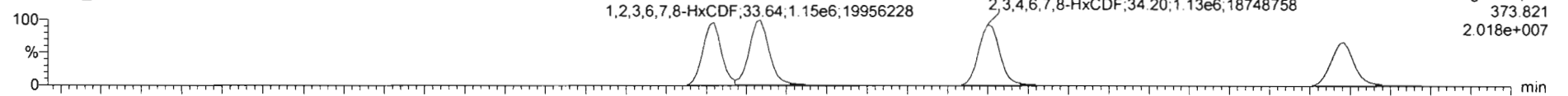
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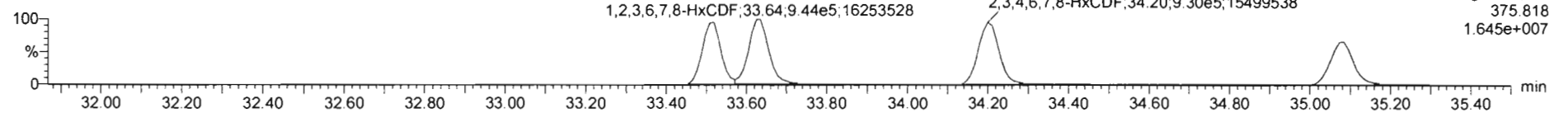
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1,2,3,4,7,8-HxCDF

200306R2_5

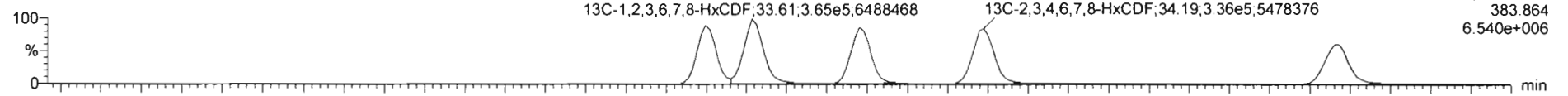


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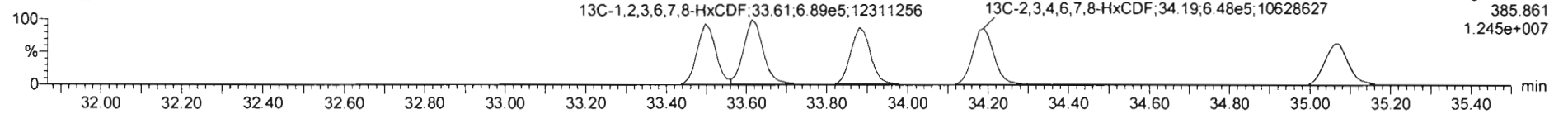


13C-1,2,3,4,7,8-HxCDF

200306R2_5

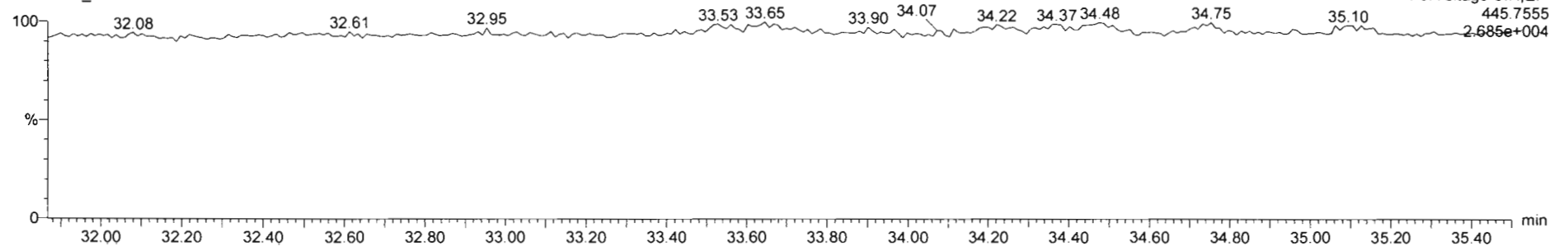


200306R2_5



DPE3

200306R2_5



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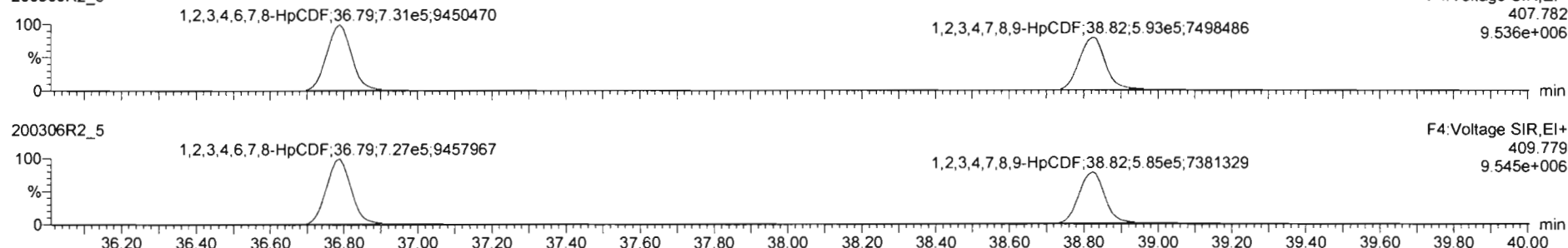
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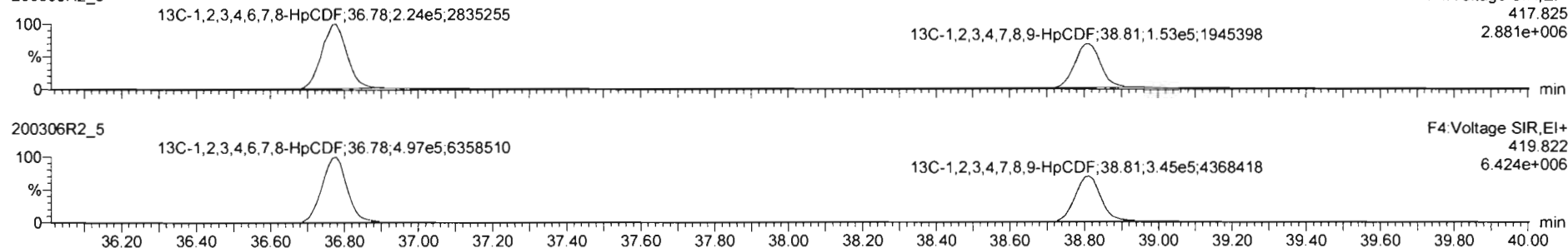
1,2,3,4,6,7,8-HpCDF

200306R2_5



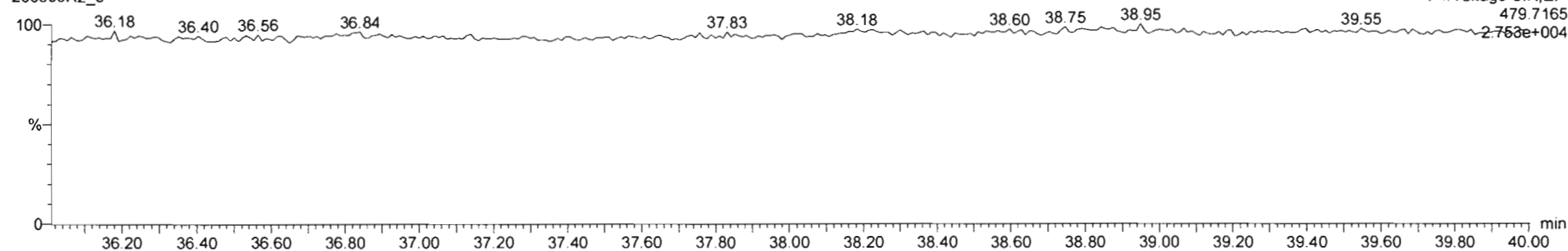
13C-1,2,3,4,6,7,8-HpCDF

200306R2_5



DPE4

200306R2_5



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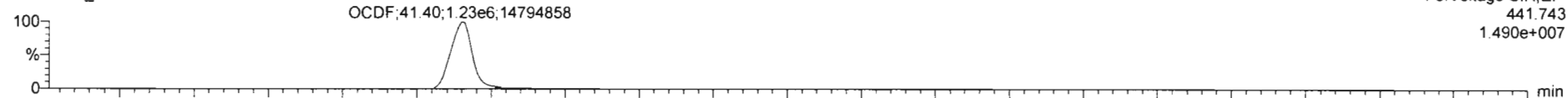
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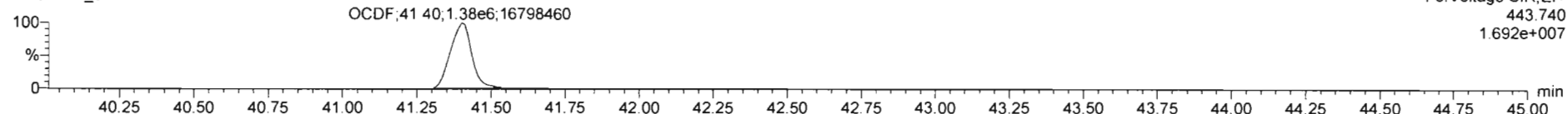
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OCDF

200306R2_5

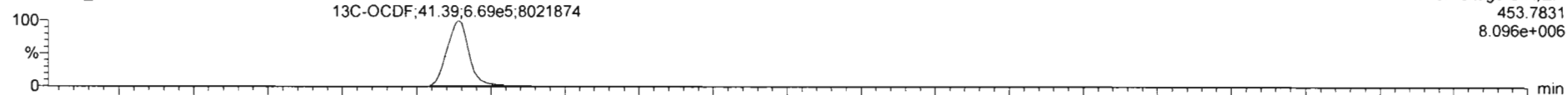


200306R2_5

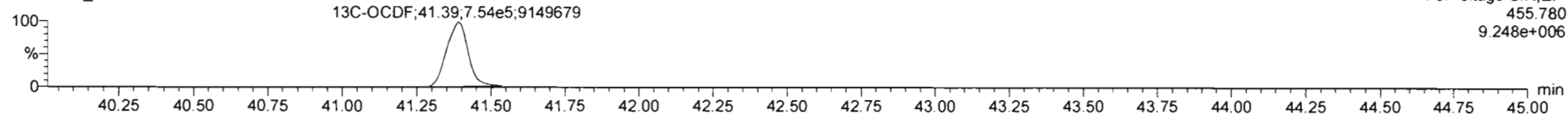


13C-OCDF

200306R2_5

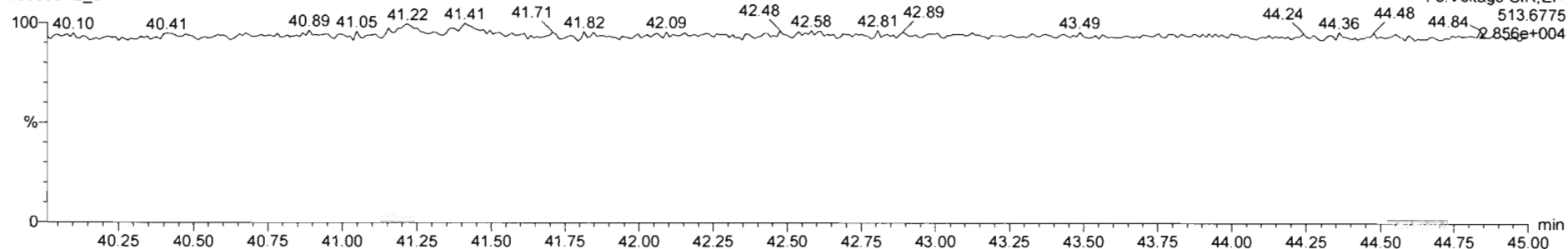


200306R2_5



DPE5

200306R2_5



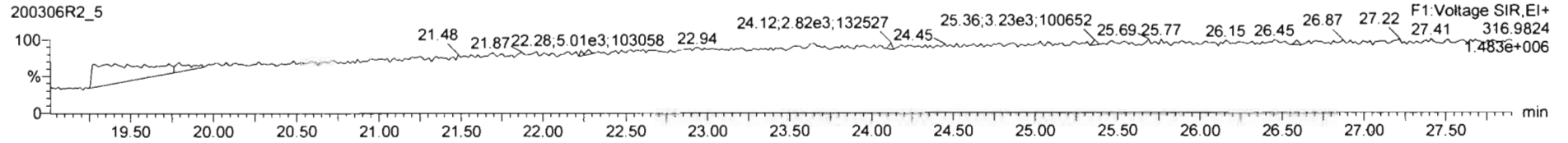
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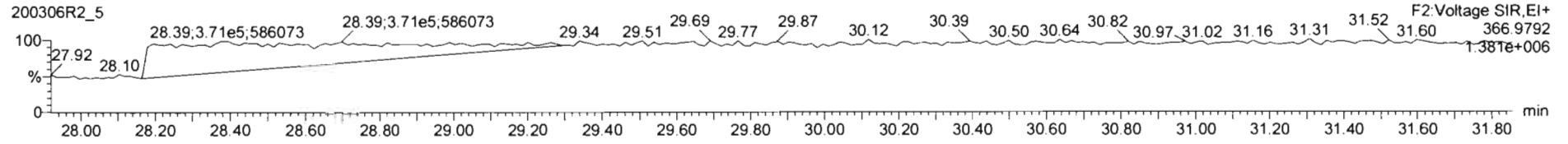
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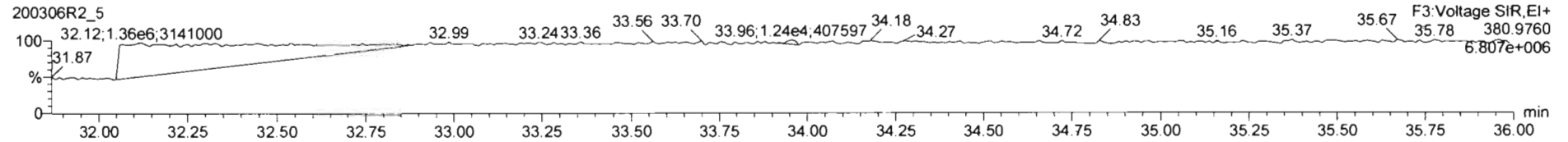
PFK1



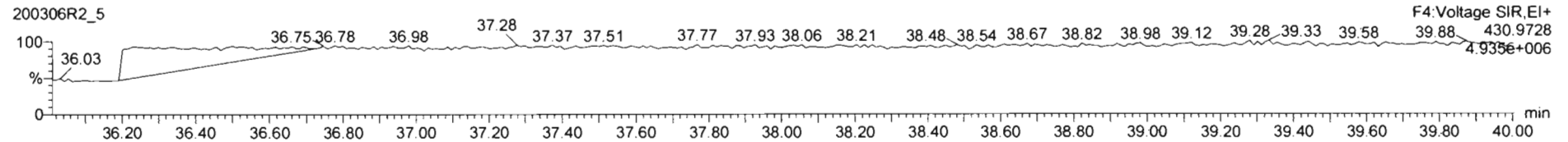
PFK2



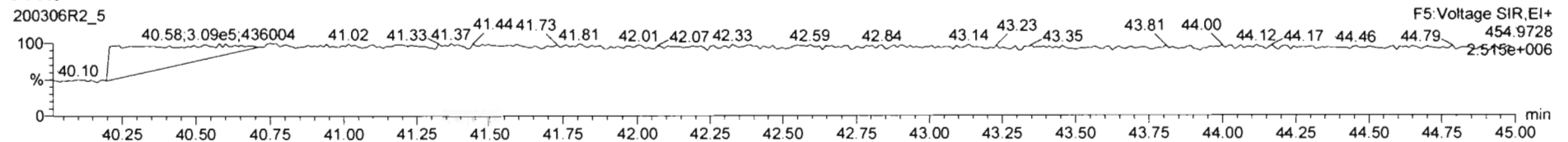
PFK3



PFK4



PFK5



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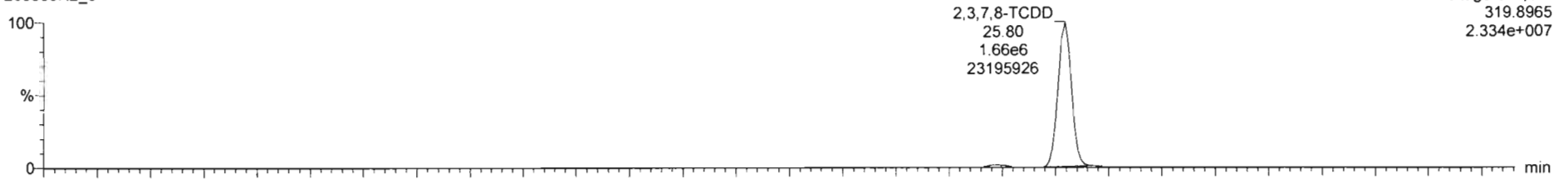
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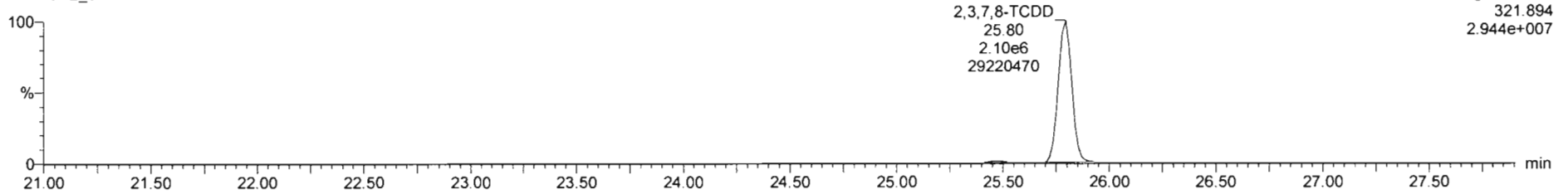
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2,3,7,8-TCDD

200306R2_6

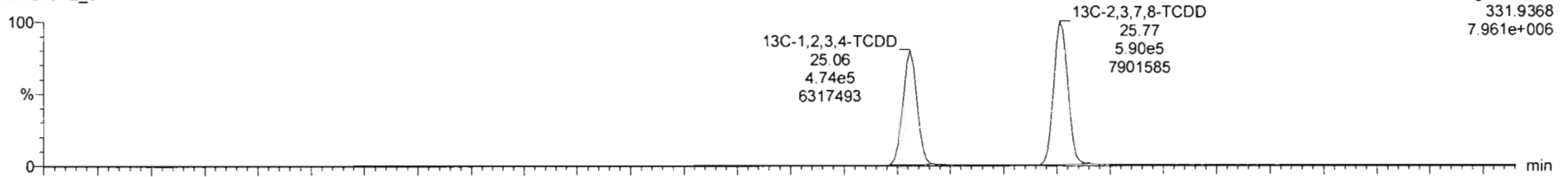


200306R2_6

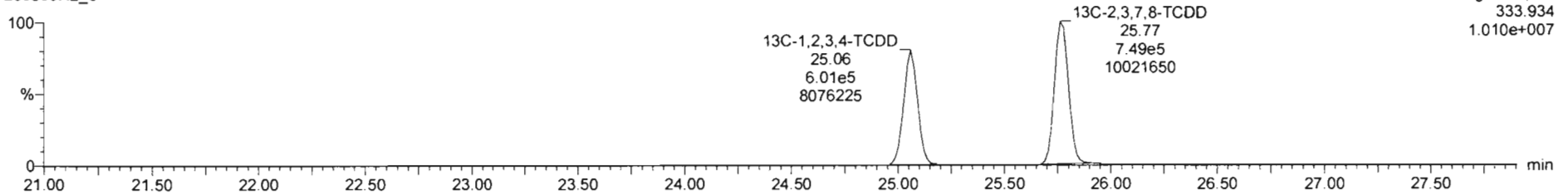


¹³C-2,3,7,8-TCDD

200306R2_6



200306R2_6



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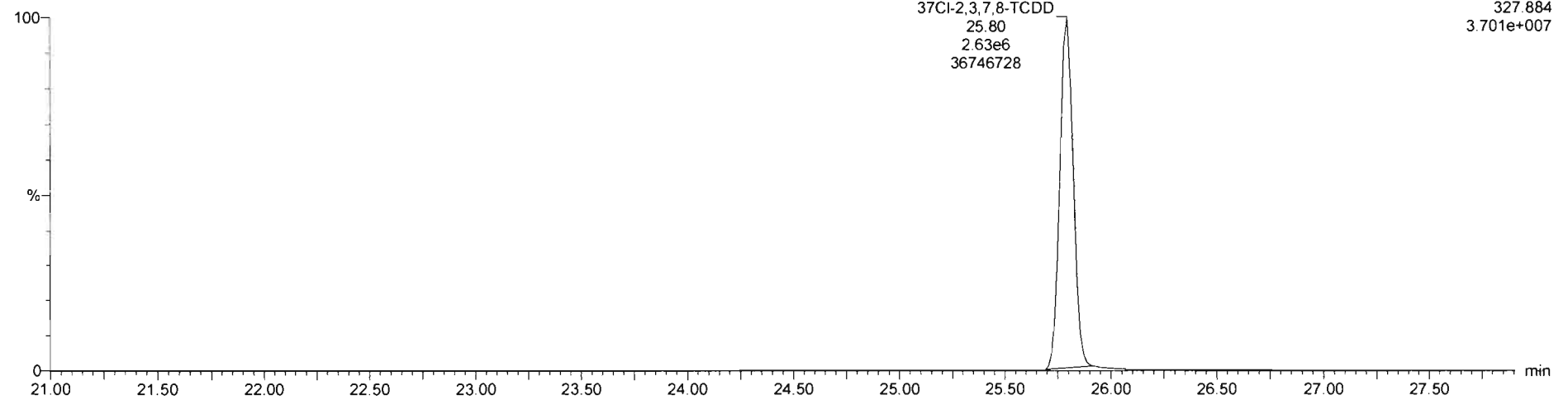
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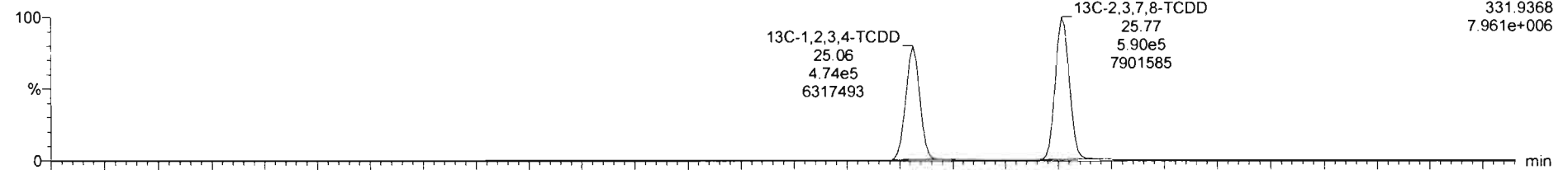
37Cl-2,3,7,8-TCDD

200306R2_6

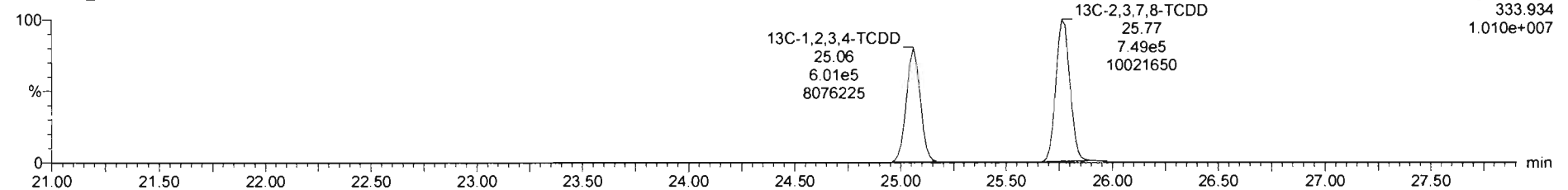


13C-1,2,3,4-TCDD

200306R2_6



200306R2_6



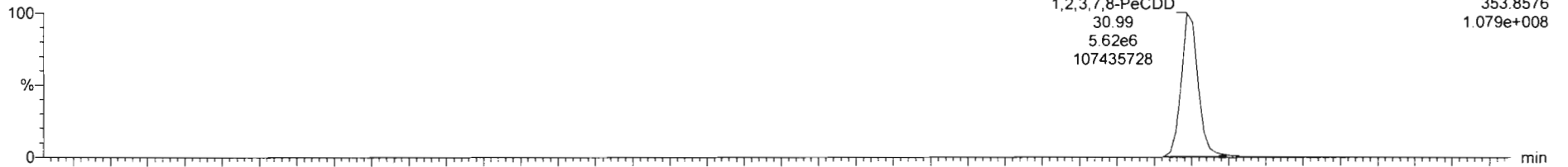
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

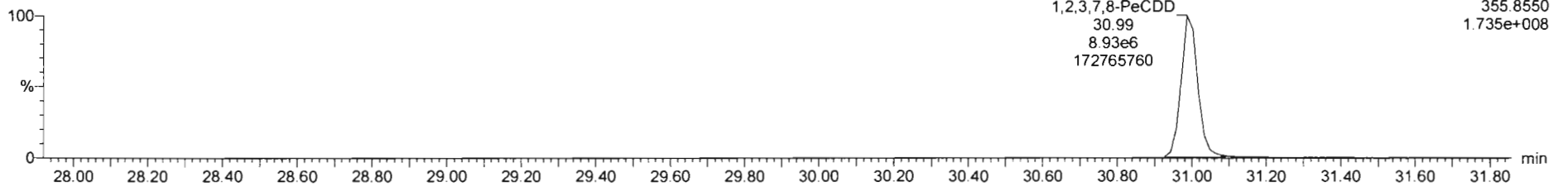
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1,2,3,7,8-PeCDD

200306R2_6

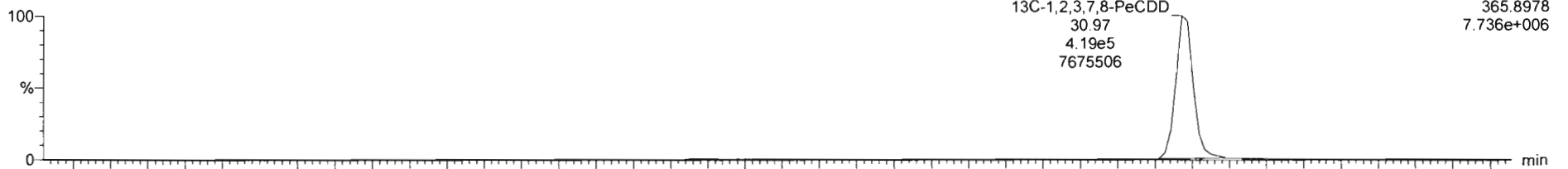


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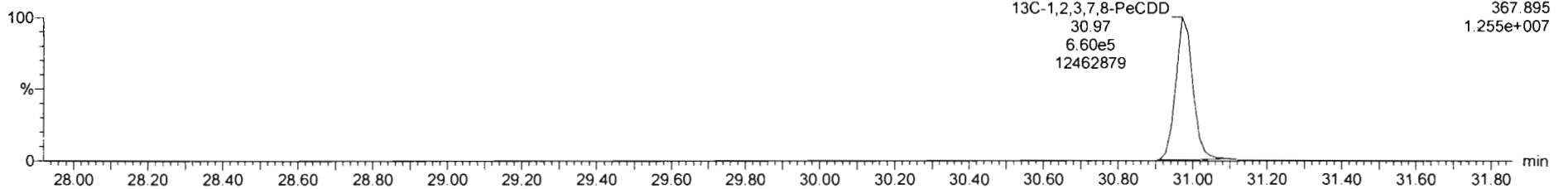


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200306R2_6



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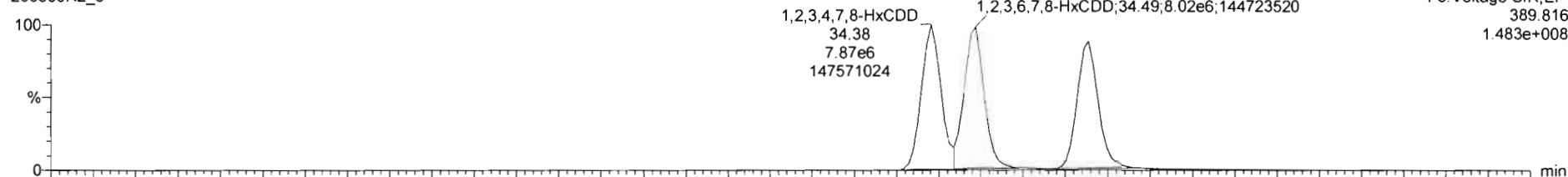
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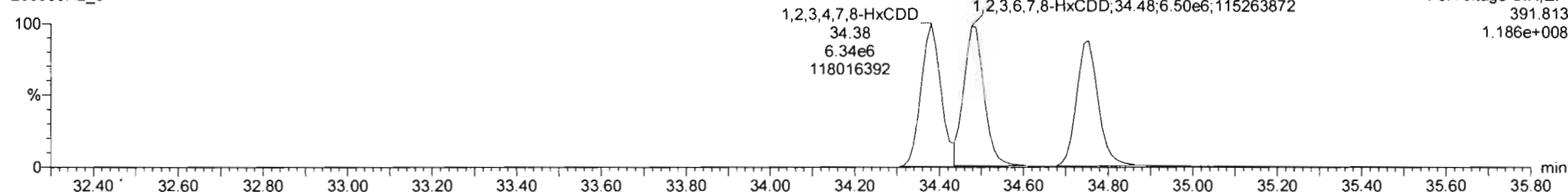
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1,2,3,4,7,8-HxCDD

200306R2_6

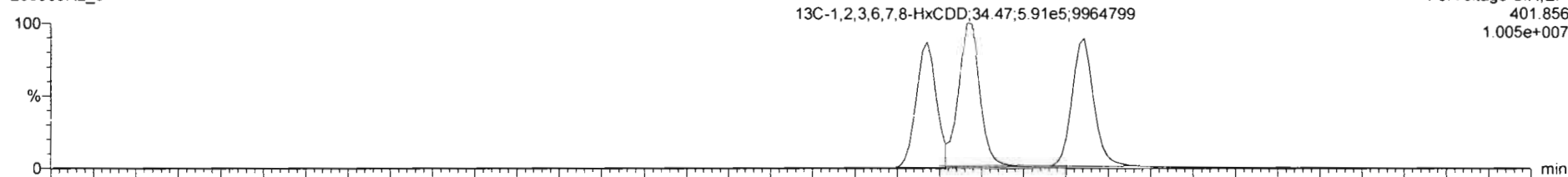


200306R2_6

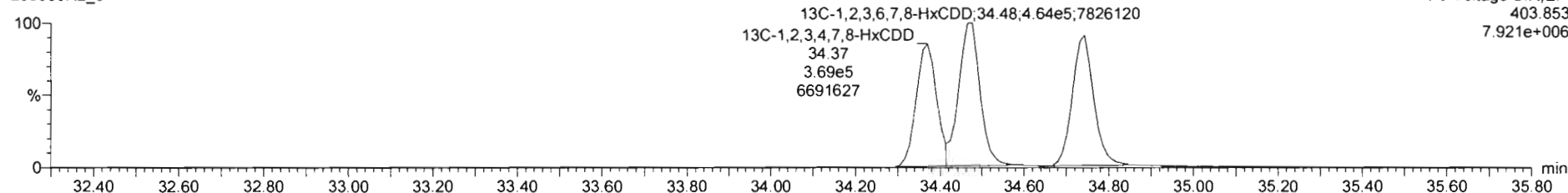


13C-1,2,3,4,7,8-HxCDD

200306R2_6



200306R2_6



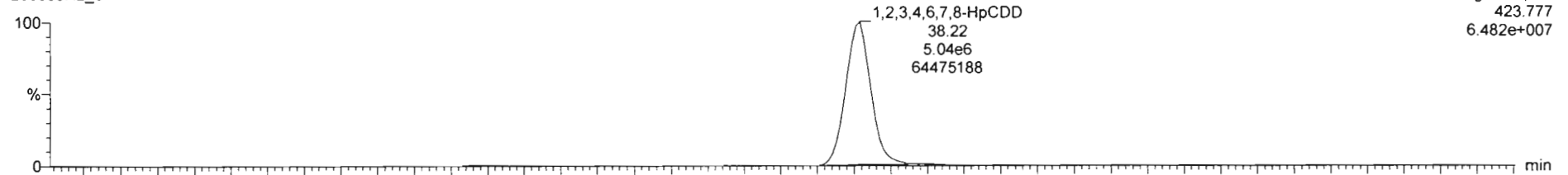
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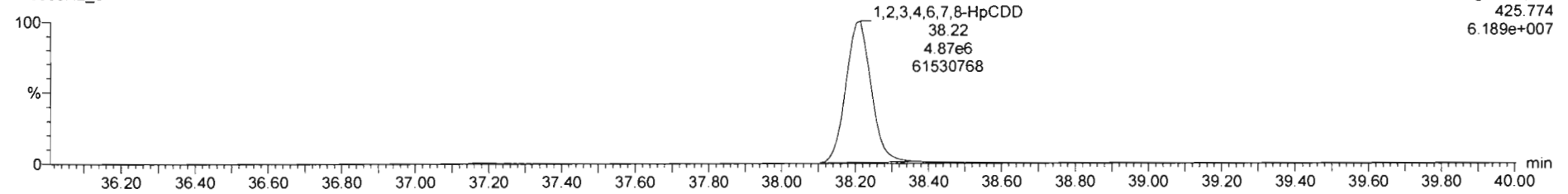
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1,2,3,4,6,7,8-HpCDD

200306R2_6

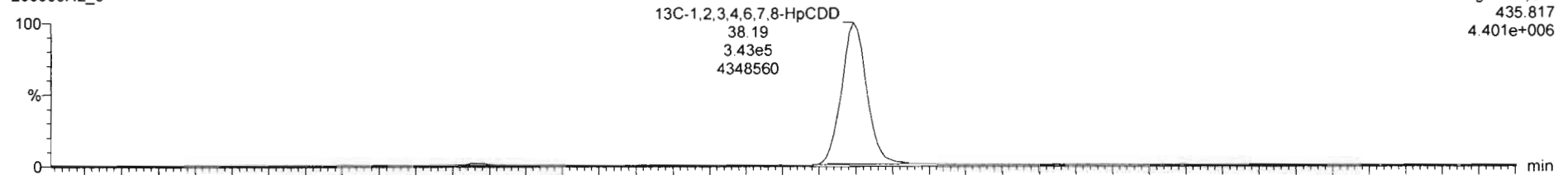


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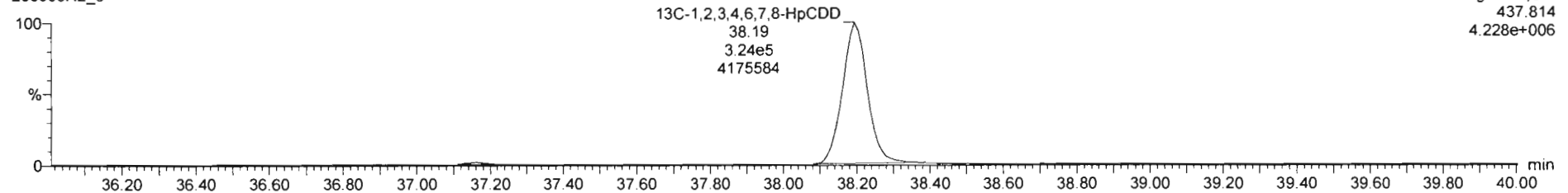


13C-1,2,3,4,6,7,8-HpCDD

200306R2_6



200306R2_6



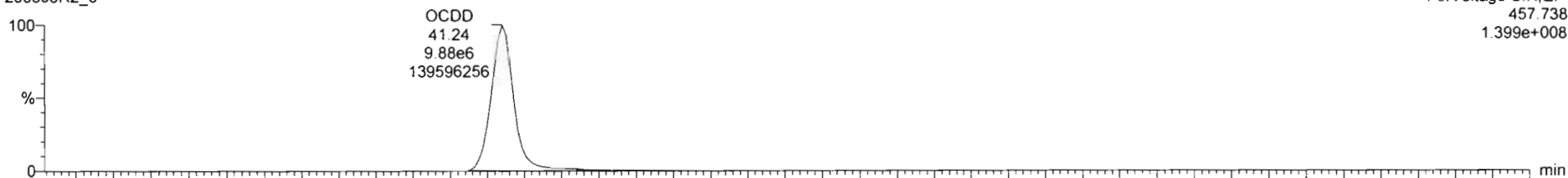
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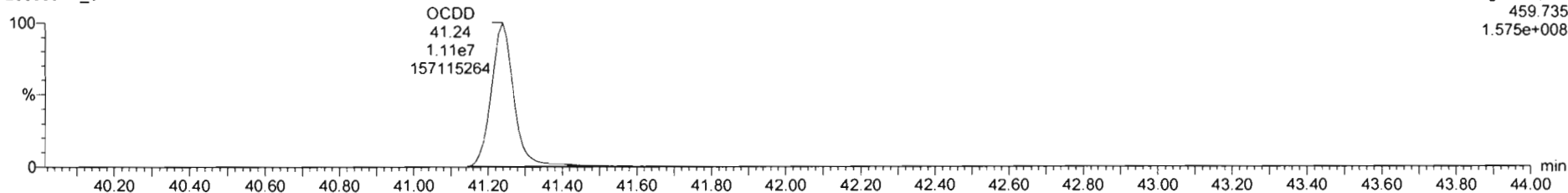
OCDD

200306R2_6



F5:Voltage SIR,EI+
457.738
1.399e+008

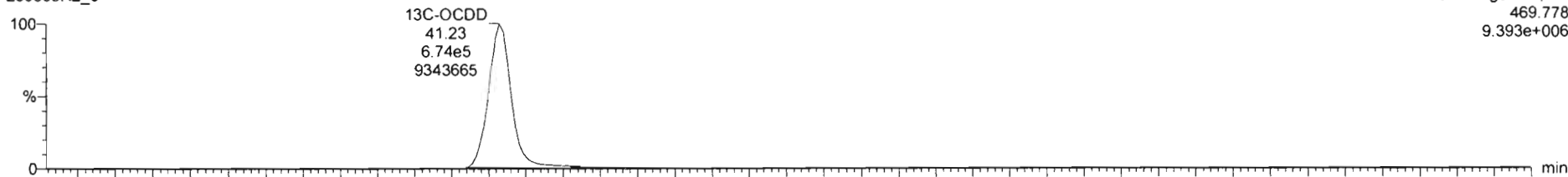
200306R2_6



F5:Voltage SIR,EI+
459.735
1.575e+008

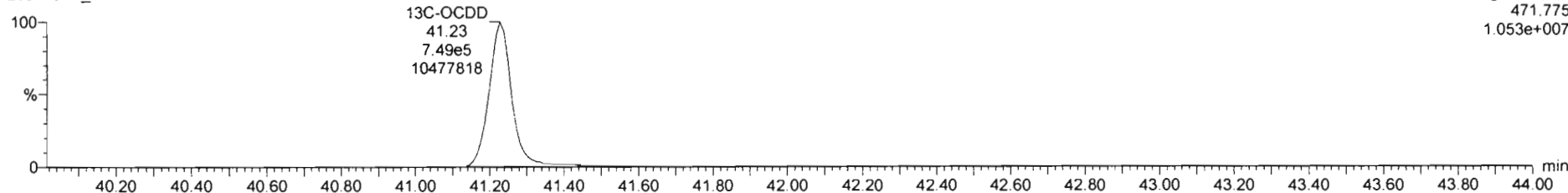
13C-OCDD

200306R2_6

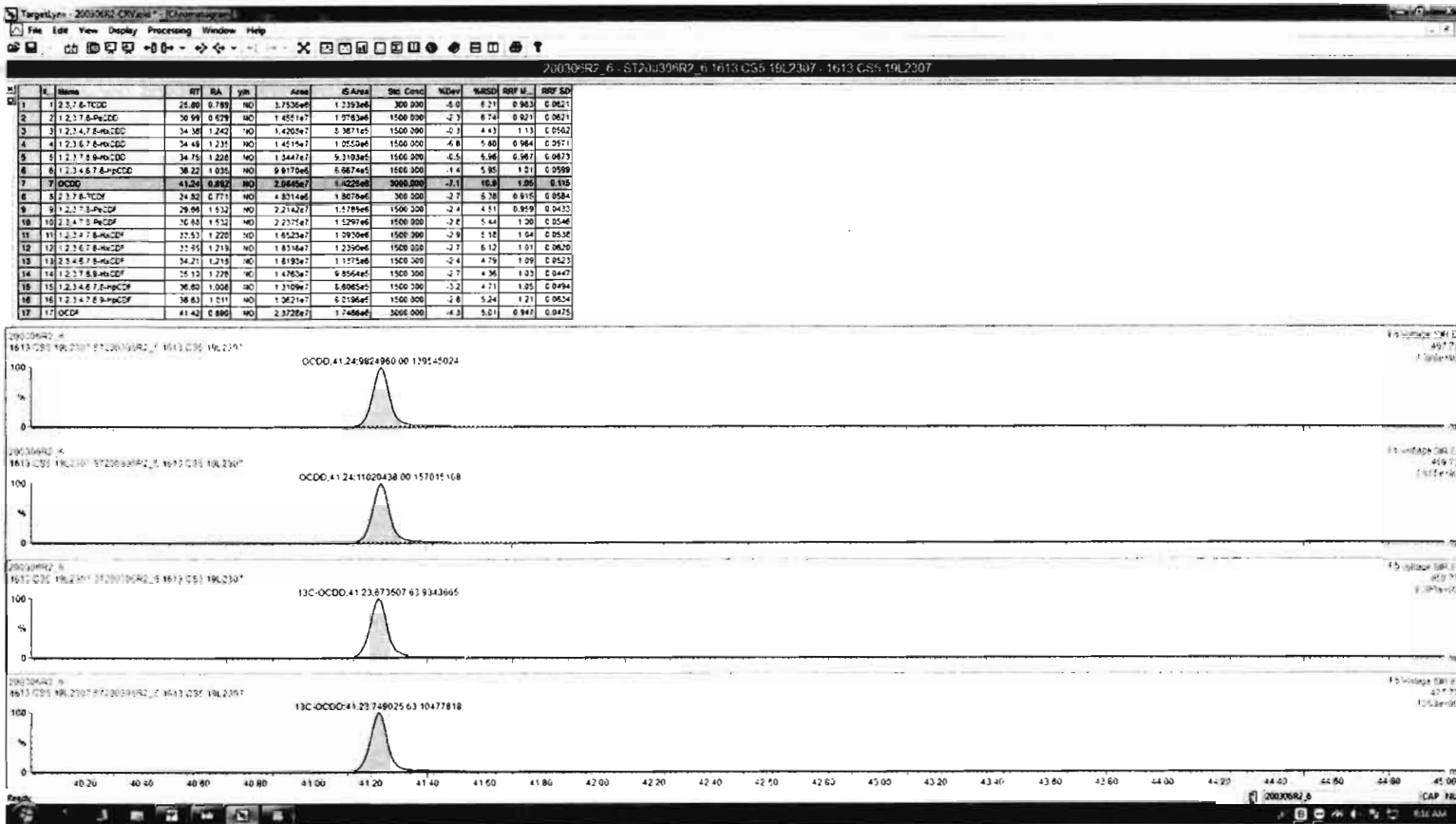


F5:Voltage SIR,EI+
469.778
9.393e+006

200306R2_6



F5:Voltage SIR,EI+
471.775
1.053e+007



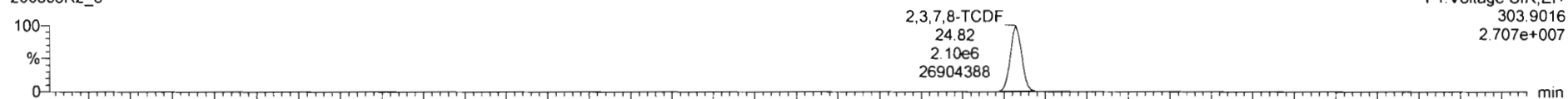
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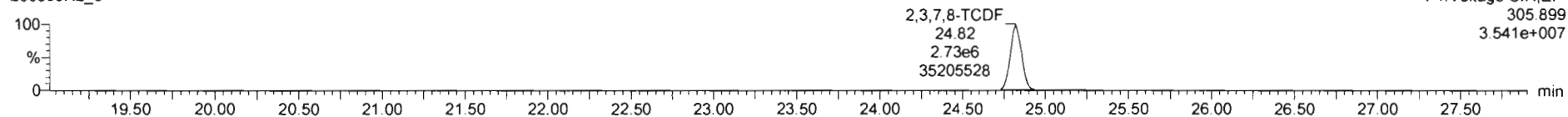
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2,3,7,8-TCDF

200306R2_6

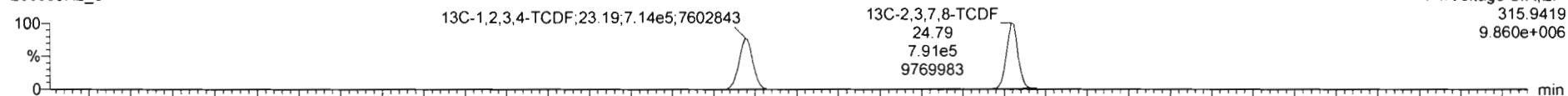


200306R2_6

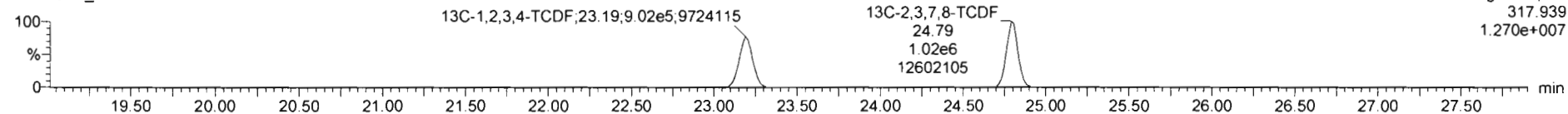


13C-2,3,7,8-TCDF

200306R2_6

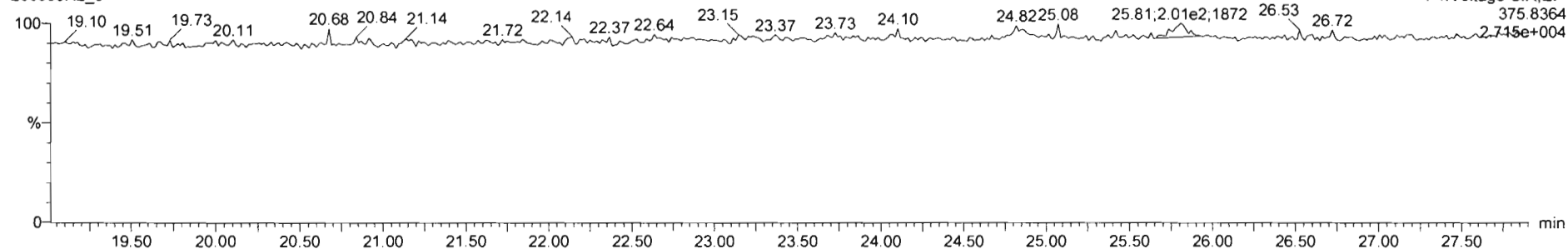


200306R2_6



DPE1

200306R2_6



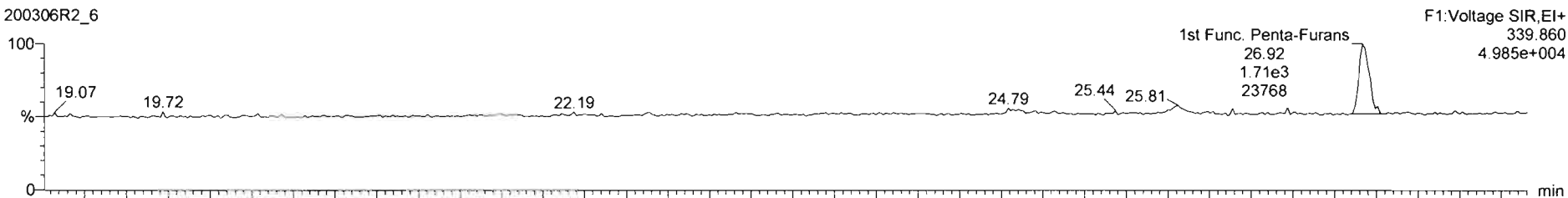
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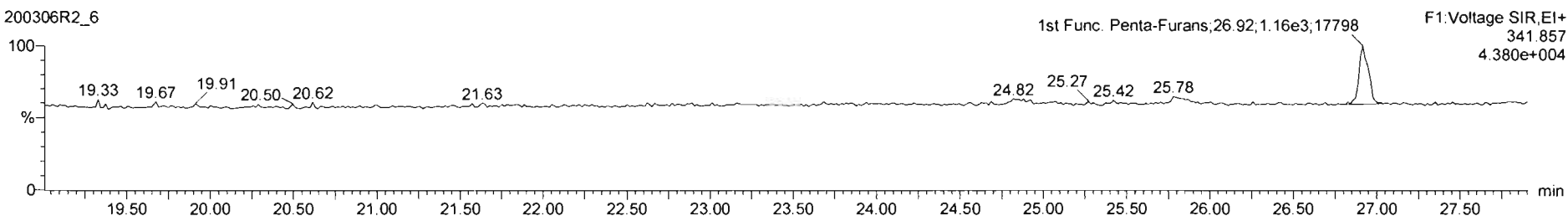
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1st Func. Penta-Furans

200306R2_6

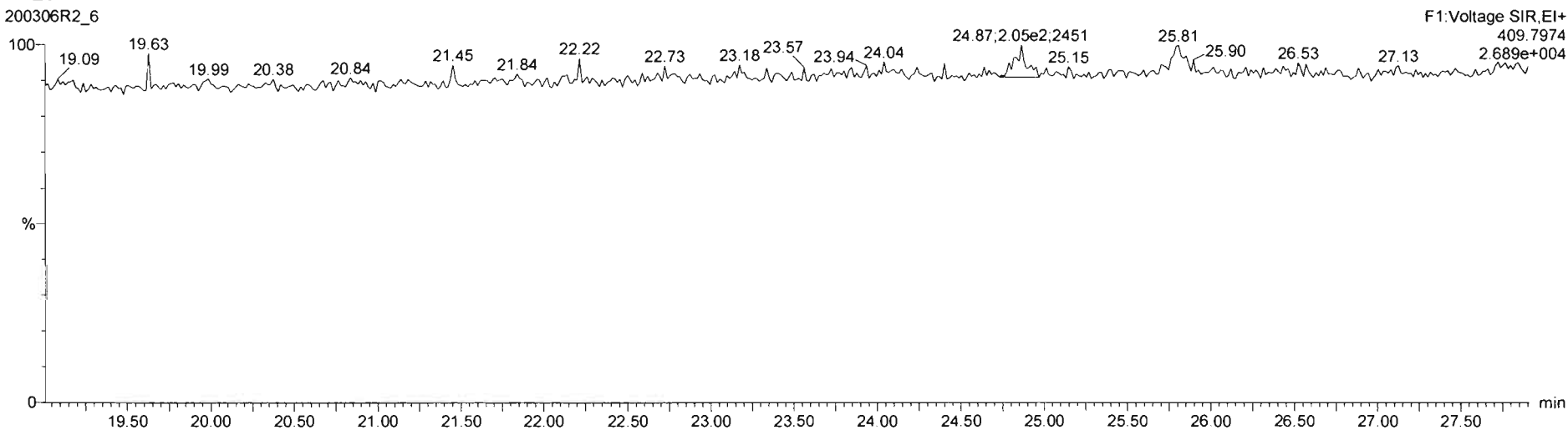


200306R2_6



DPE6

200306R2_6



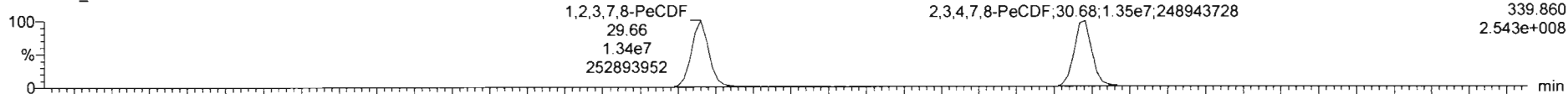
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Printed: Monday, March 09, 2020 08:23:18 Pacific Daylight Time

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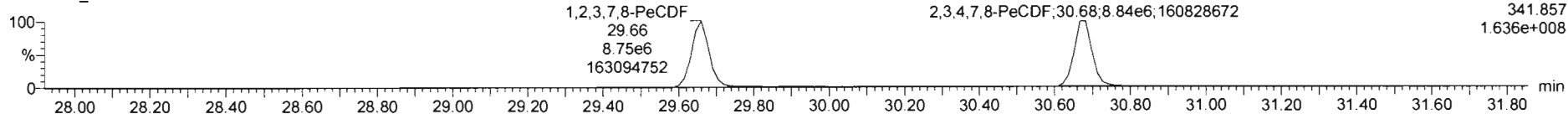
1,2,3,7,8-PeCDF

200306R2_6



F2:Voltage SIR,EI+
339.860
2.543e+008

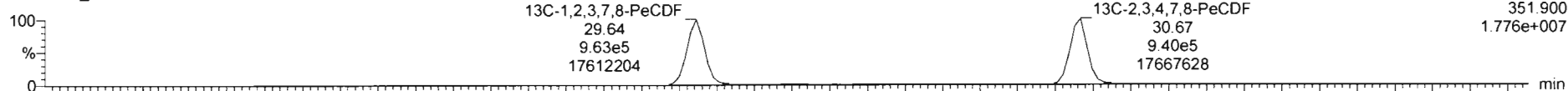
200306R2_6



F2:Voltage SIR,EI+
341.857
1.636e+008

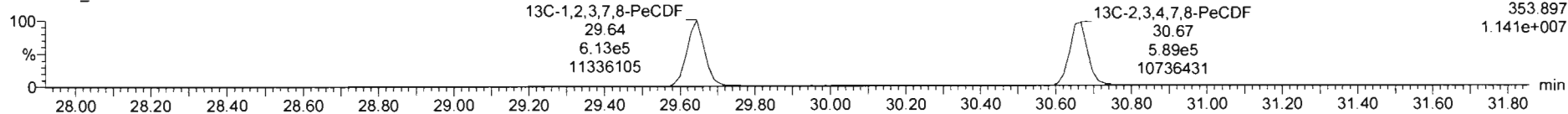
13C-1,2,3,7,8-PeCDF

200306R2_6



F2:Voltage SIR,EI+
351.900
1.776e+007

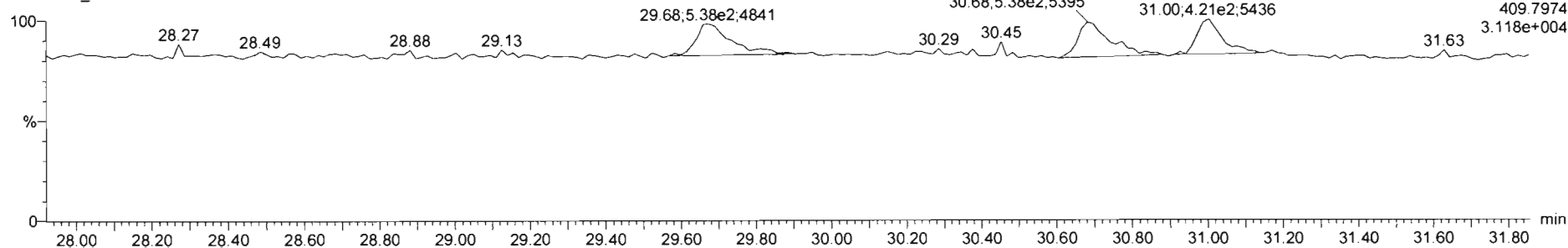
200306R2_6



F2:Voltage SIR,EI+
353.897
1.141e+007

DPE2

200306R2_6



F2:Voltage SIR,EI+
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3.118e+004

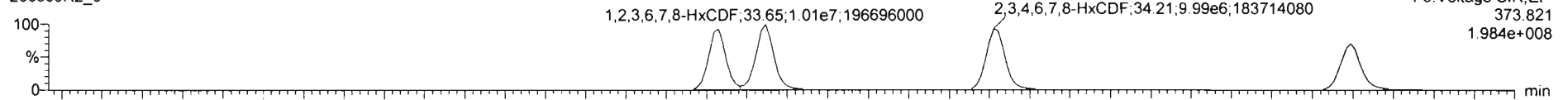
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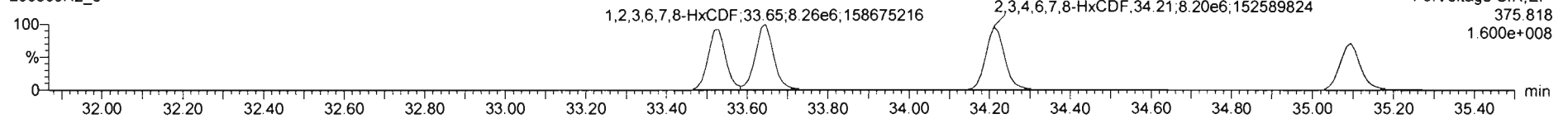
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1,2,3,4,7,8-HxCDF

200306R2_6

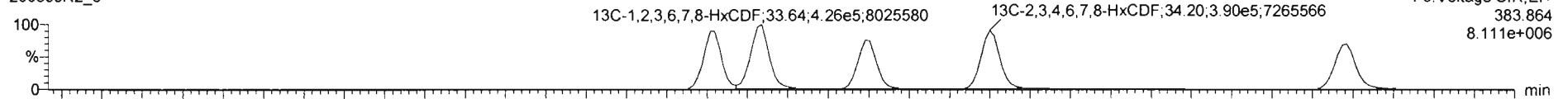


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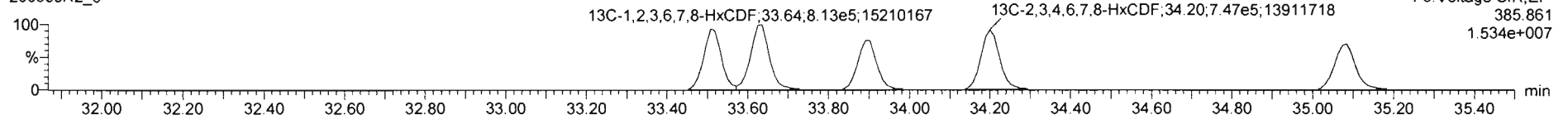


13C-1,2,3,4,7,8-HxCDF

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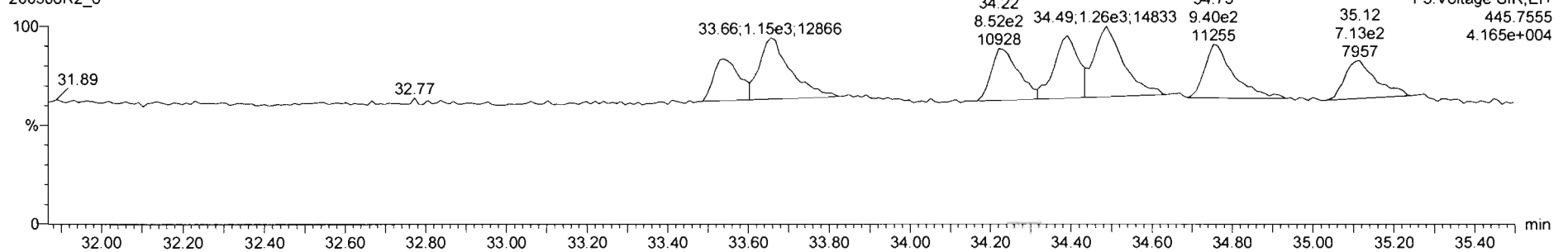


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DPE3

200306R2_6



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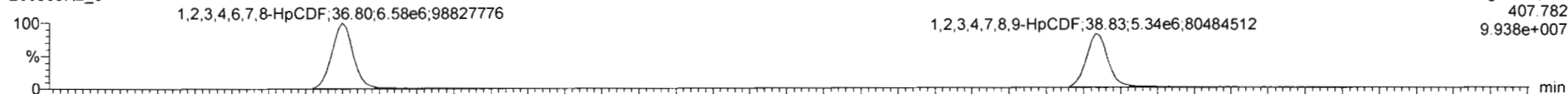
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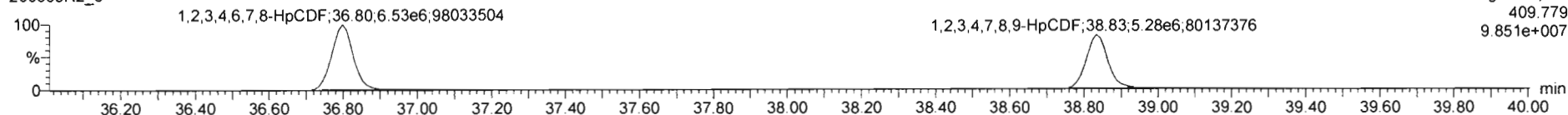
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200306R2_6



200306R2_6

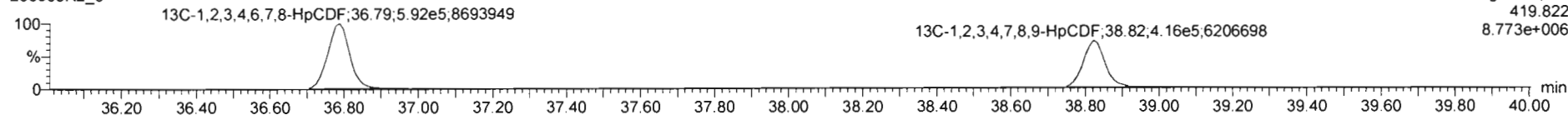


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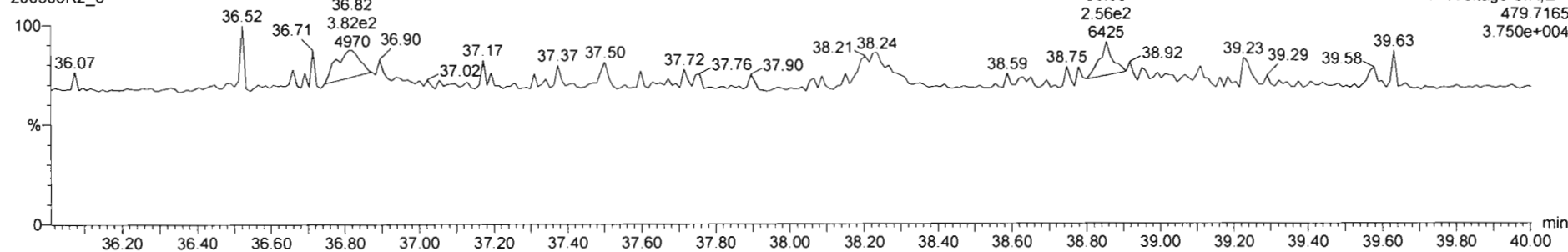


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DPE4

200306R2_6



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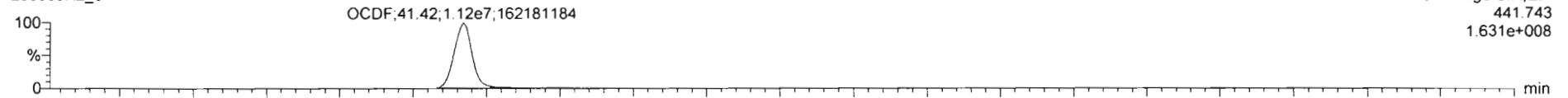
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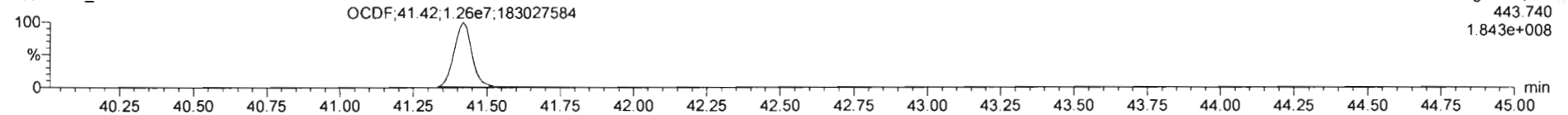
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OCDF

200306R2_6

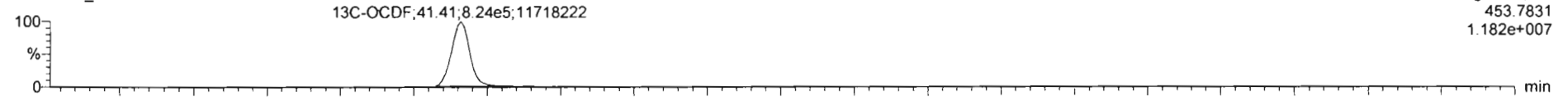


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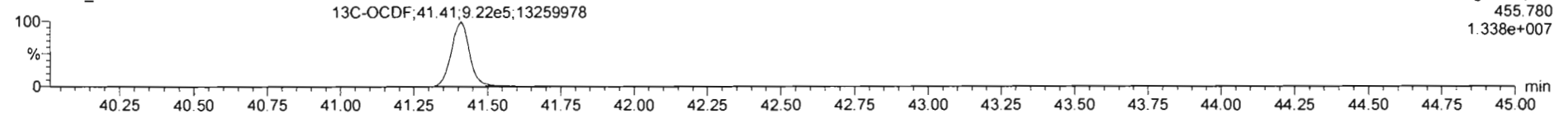


13C-OCDF

200306R2_6

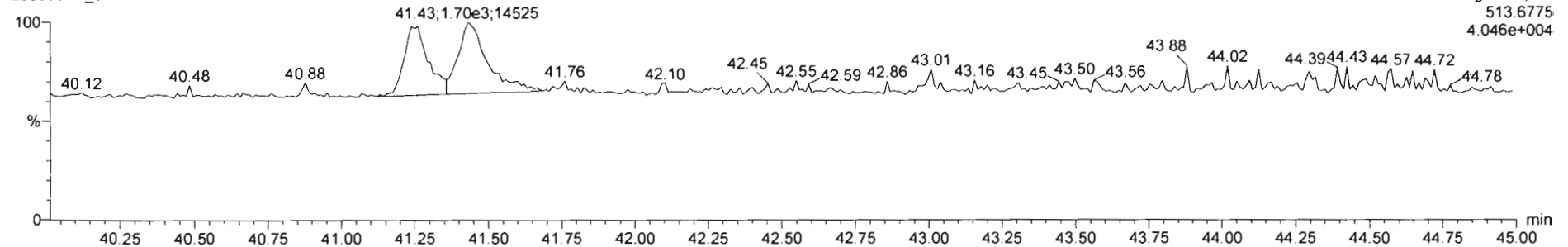


200306R2_6



DPE5

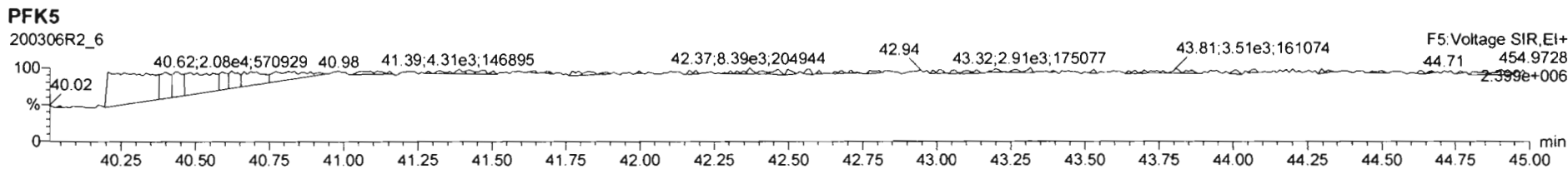
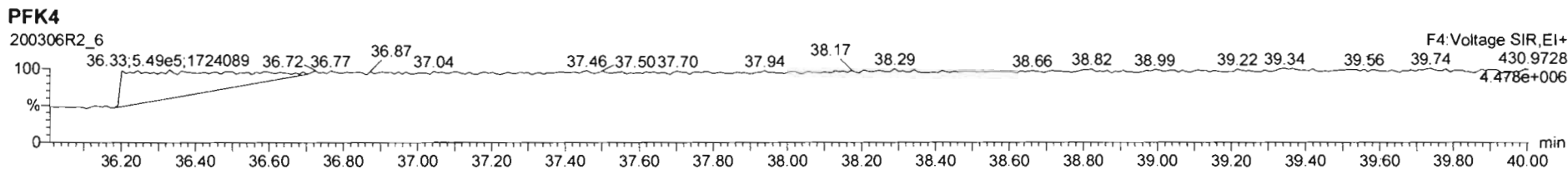
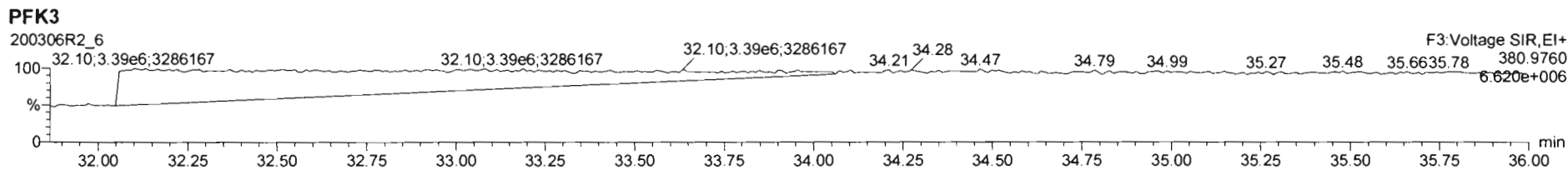
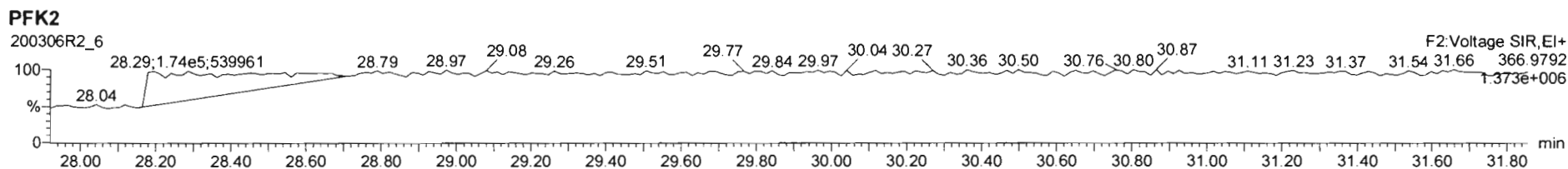
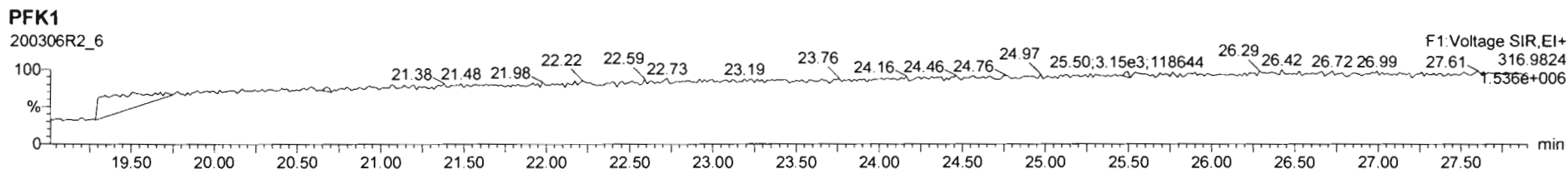
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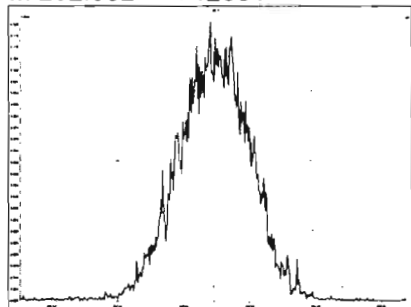
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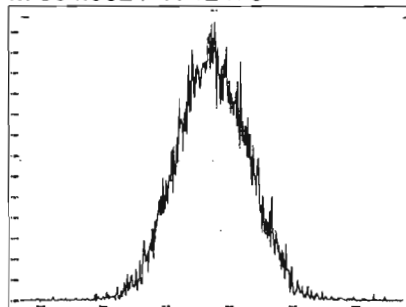


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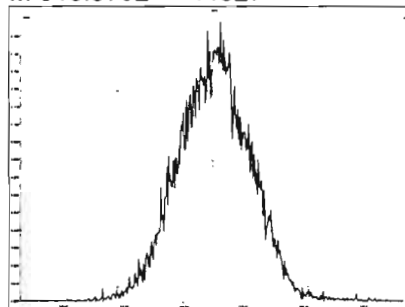
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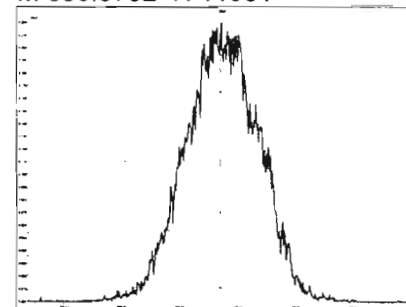
M 304.9824 R 12475



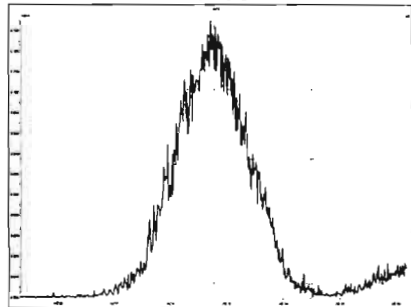
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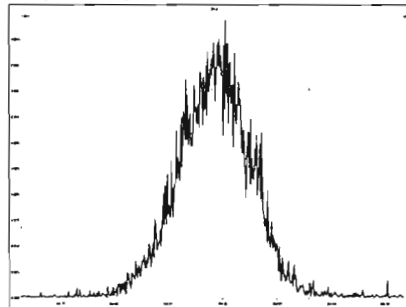
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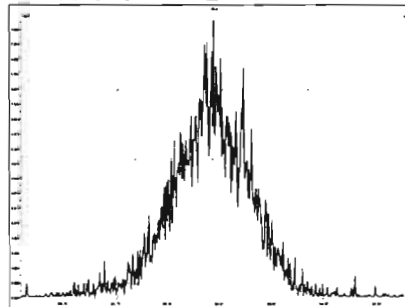
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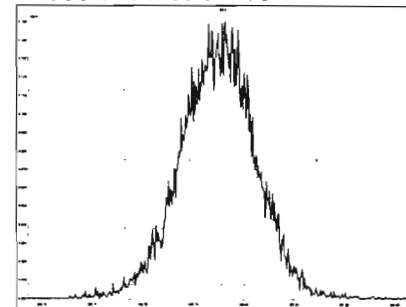
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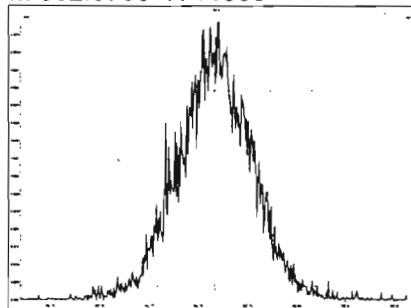
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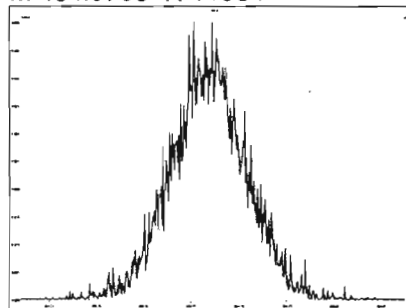
M 380.9760 R 11365



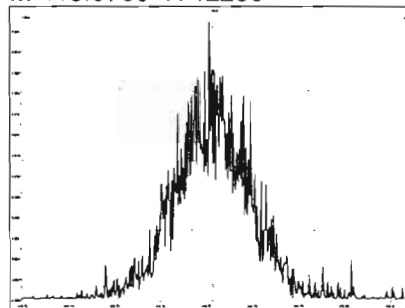
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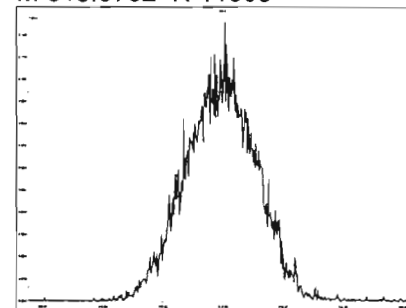
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M 416.9760 R 12269

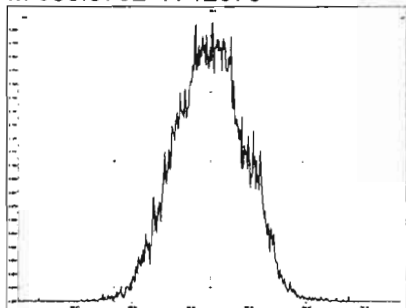


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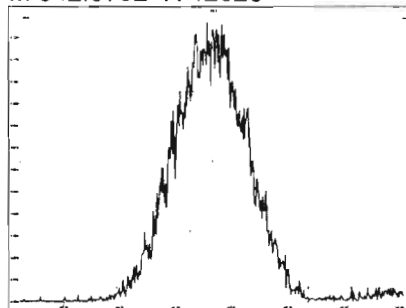


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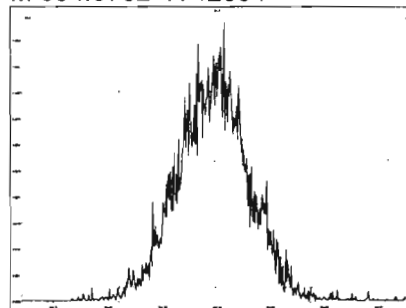
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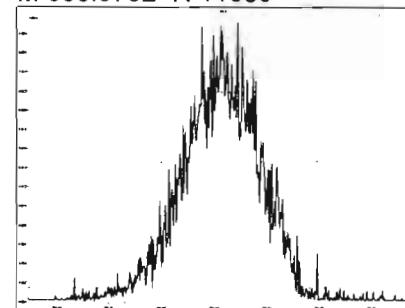
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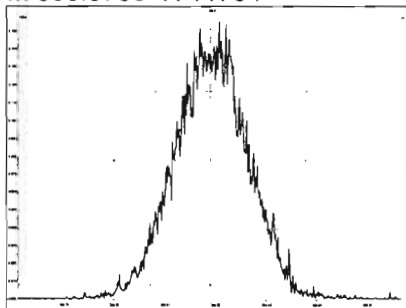
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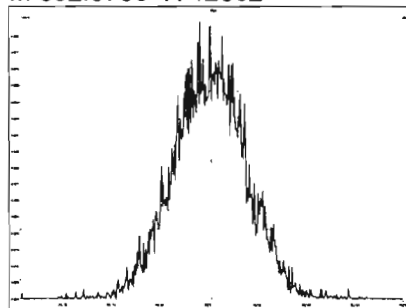
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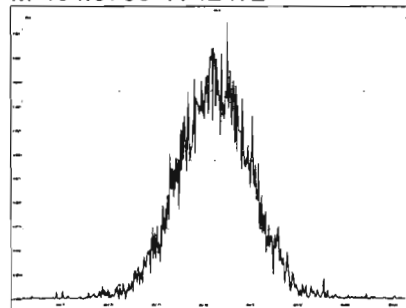
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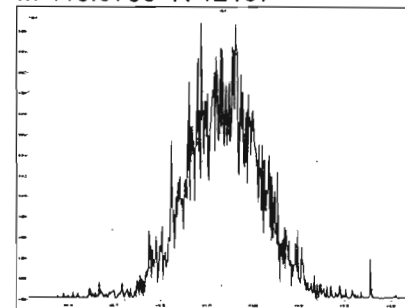
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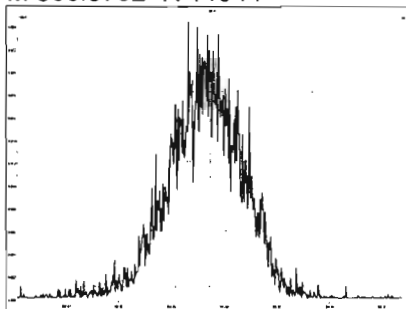
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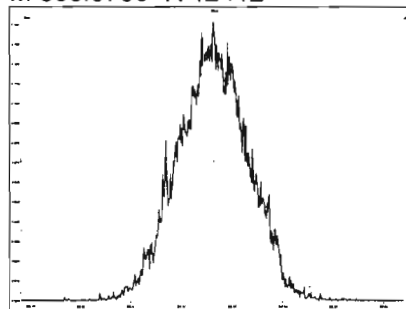
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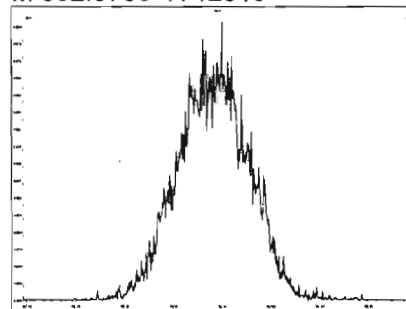
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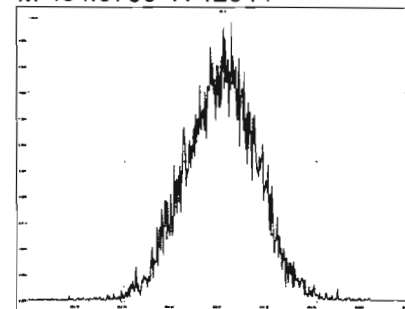
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M 392.9760 R 12319

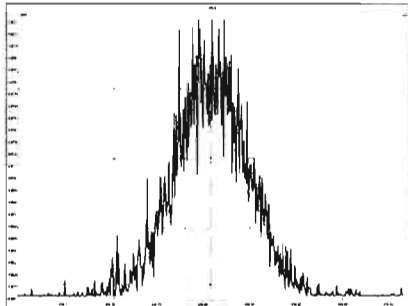


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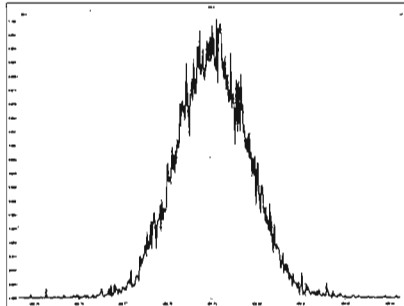


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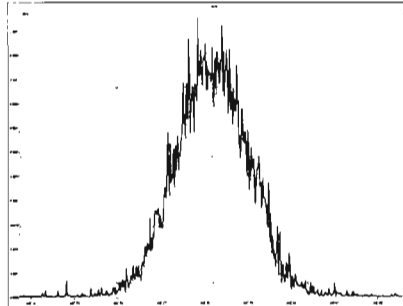
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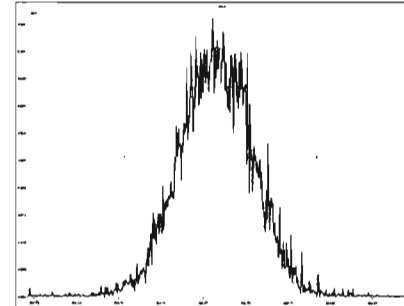
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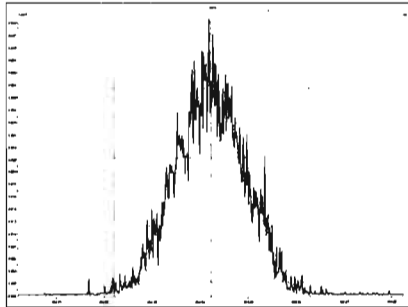
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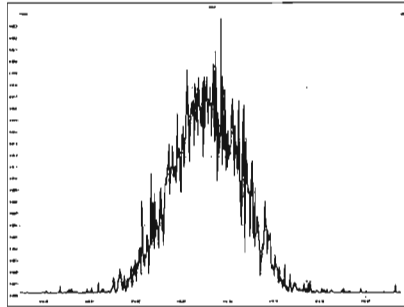
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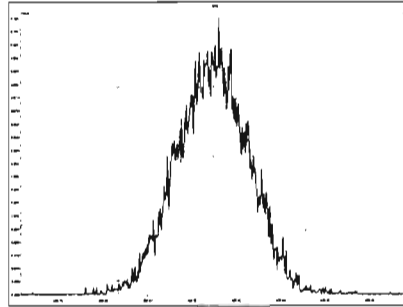
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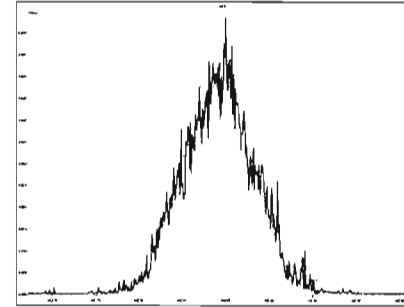
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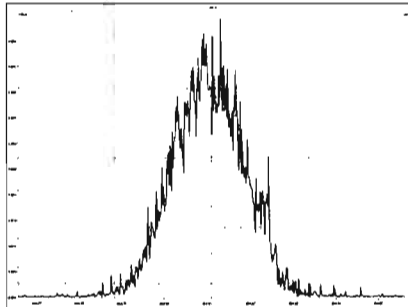
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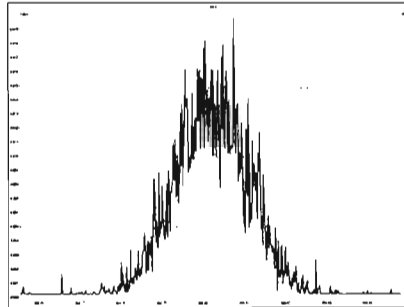
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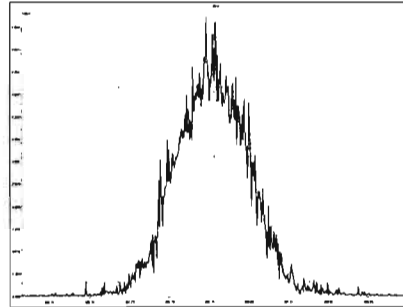
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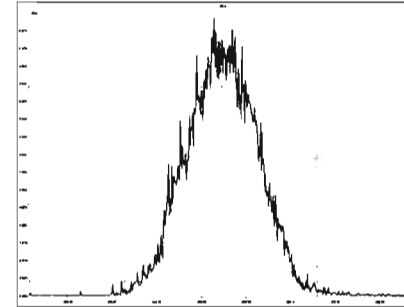
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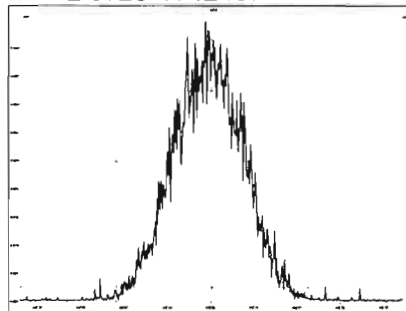


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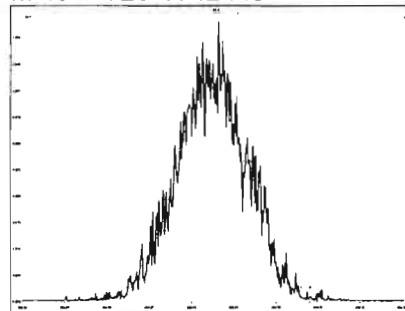


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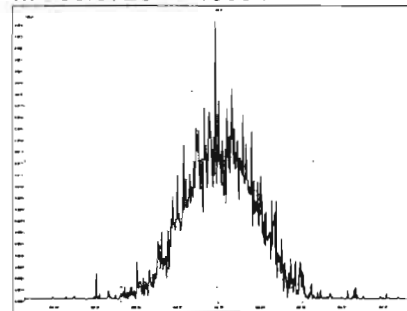
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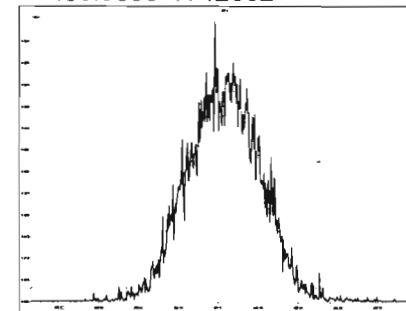
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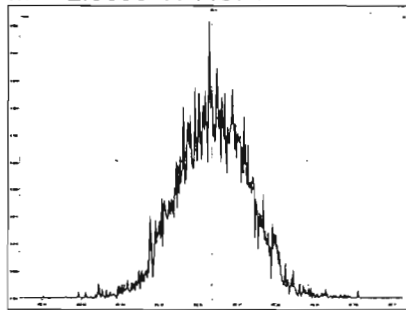
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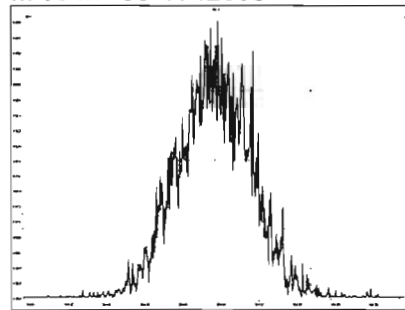
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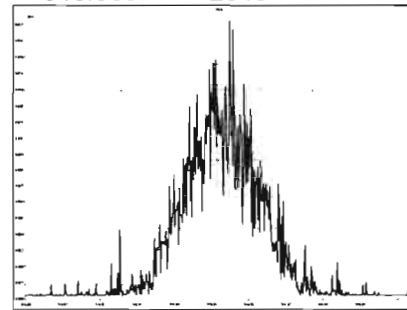
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M 504.9696 R 12658



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Last Altered: Monday, March 09, 2020 09:14:18 Pacific Daylight Time
Printed: Monday, March 09, 2020 09:15:42 Pacific Daylight Time

GRB 03/09/2020

0703/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-3-6-20.mdb 06 Mar 2020 12:03:08
Calibration: U:\VG12.PRO\CurveDB\lb5_1613vg12-3-6-20.cdb 09 Mar 2020 08:18:02

Name: 200306R2_8, Date: 06-Mar-2020, Time: 18:42:29, ID: SS200306R2_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	9.28e4	0.77	NO	0.983	1.000	25.781	25.78	1.001	1.001	10.508	105	0.0462	10.5
2	2 1,2,3,7,8-PeCDD	3.71e5	0.63	NO	0.921	1.000	30.979	30.97	1.001	1.000	54.038	108	0.0655	54.0
3	3 1,2,3,4,7,8-HxCDD	3.32e5	1.24	NO	1.13	1.000	34.349	34.36	1.000	1.001	53.824	108	0.101	53.8
4	4 1,2,3,6,7,8-HxCDD	3.81e5	1.27	NO	0.984	1.000	34.445	34.46	1.000	1.000	57.230	114	0.0994	57.2
5	5 1,2,3,7,8,9-HxCDD	3.33e5	1.22	NO	0.967	1.000	34.722	34.72	1.000	1.000	56.617	113	0.117	56.6
6	6 1,2,3,4,6,7,8-HpCDD	2.52e5	1.04	NO	1.01	1.000	38.184	38.19	1.000	1.001	55.470	111	0.201	55.5
7	7 OCDD	4.61e5	0.91	NO	1.05	1.000	41.208	41.22	1.000	1.000	104.33	104	0.212	104
8	8 2,3,7,8-TCDF	1.19e5	0.80	NO	0.915	1.000	24.817	24.81	1.001	1.001	10.876	109	0.0390	10.9
9	9 1,2,3,7,8-PeCDF	5.58e5	1.55	NO	0.959	1.000	29.635	29.63	1.001	1.001	53.583	107	0.0901	53.6
10	10 2,3,4,7,8-PeCDF	6.50e5	1.53	NO	1.00	1.000	30.667	30.65	1.001	1.000	60.478	121	0.0822	60.5
11	11 1,2,3,4,7,8-HxCDF	4.39e5	1.22	NO	1.04	1.000	33.486	33.50	1.000	1.000	56.277	113	0.116	56.3
12	12 1,2,3,6,7,8-HxCDF	4.83e5	1.22	NO	1.01	1.000	33.614	33.63	1.000	1.001	58.225	116	0.120	58.2
13	13 2,3,4,6,7,8-HxCDF	4.58e5	1.23	NO	1.09	1.000	34.213	34.19	1.001	1.000	53.808	108	0.121	53.8
14	14 1,2,3,7,8,9-HxCDF	3.65e5	1.23	NO	1.03	1.000	35.052	35.06	1.000	1.000	54.692	109	0.173	54.7
15	15 1,2,3,4,6,7,8-HpCDF	3.38e5	1.03	NO	1.05	1.000	36.793	36.78	1.001	1.001	55.962	112	0.171	56.0
16	16 1,2,3,4,7,8,9-HpCDF	2.60e5	1.01	NO	1.21	1.000	38.801	38.81	1.000	1.000	55.091	110	0.218	55.1
17	17 OCDF	5.30e5	0.88	NO	0.947	1.000	41.389	41.40	1.000	1.000	107.93	108	0.154	108
18	18 13C-2,3,7,8-TCDD	8.98e5	0.78	NO	1.18	1.000	25.781	25.75	1.029	1.027	94.504	94.5	0.106	
19	19 13C-1,2,3,7,8-PeCDD	7.45e5	0.64	NO	0.864	1.000	30.974	30.96	1.236	1.235	107.38	107	0.187	
20	20 13C-1,2,3,4,7,8-HxCDD	5.45e5	1.26	NO	0.754	1.000	34.341	34.34	1.014	1.014	85.136	85.1	0.201	
21	21 13C-1,2,3,6,7,8-HxCDD	6.77e5	1.26	NO	0.925	1.000	34.449	34.45	1.017	1.017	86.121	86.1	0.164	
22	22 13C-1,2,3,7,8,9-HxCDD	6.09e5	1.27	NO	0.829	1.000	34.710	34.71	1.025	1.025	86.383	86.4	0.183	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.51e5	1.04	NO	0.598	1.000	38.158	38.17	1.127	1.127	88.689	88.7	0.205	
24	24 13C-OCDD	8.40e5	0.87	NO	0.571	1.000	41.298	41.21	1.219	1.217	173.12	86.6	0.205	
25	25 13C-2,3,7,8-TCDF	1.19e6	0.78	NO	1.09	1.000	24.801	24.79	0.990	0.989	86.829	86.8	0.143	
26	26 13C-1,2,3,7,8-PeCDF	1.09e6	1.58	NO	0.876	1.000	29.643	29.61	1.183	1.182	98.396	98.4	0.243	
27	27 13C-2,3,4,7,8-PeCDF	1.07e6	1.60	NO	0.844	1.000	30.655	30.64	1.223	1.222	100.81	101	0.253	
28	28 13C-1,2,3,4,7,8-HxCDF	7.52e5	0.52	NO	1.00	1.000	33.491	33.49	0.989	0.989	88.441	88.4	0.228	
29	29 13C-1,2,3,6,7,8-HxCDF	8.18e5	0.53	NO	1.12	1.000	33.599	33.60	0.992	0.992	86.171	86.2	0.204	
30	30 13C-2,3,4,6,7,8-HxCDF	7.80e5	0.52	NO	1.04	1.000	34.178	34.18	1.009	1.009	88.698	88.7	0.220	
31	31 13C-1,2,3,7,8,9-HxCDF	6.50e5	0.50	NO	0.873	1.000	35.049	35.05	1.035	1.035	87.589	87.6	0.261	

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Printed: Monday, March 09, 2020 09:15:42 Pacific Daylight Time

Name: 200306R2_8, Date: 06-Mar-2020, Time: 18:42:29, ID: SS200306R2_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	5.76e5	0.45	NO	0.771	1.000	36.759	36.76	1.085	1.085	87.916	87.9	0.211	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.91e5	0.44	NO	0.519	1.000	38.839	38.80	1.147	1.146	88.538	88.5	0.314	
34	34 13C-OCDF	1.04e6	0.90	NO	0.696	1.000	41.477	41.39	1.225	1.222	175.32	87.7	0.183	
35	35 37Cl-2,3,7,8-TCDD	9.59e4			1.17	1.000	25.791	25.78	1.029	1.029	10.173	102	0.0234	
36	36 13C-1,2,3,4-TCDD	8.02e5	0.79	NO	1.00	1.000	25.050	25.06	1.000	1.000	100.00	100	0.126	
37	37 13C-1,2,3,4-TCDF	1.26e6	0.80	NO	1.00	1.000	23.190	23.19	1.000	1.000	100.00	100	0.156	
38	38 13C-1,2,3,4,6,9-HxCDF	8.50e5	0.51	NO	1.00	1.000	33.880	33.87	1.000	1.000	100.00	100	0.228	

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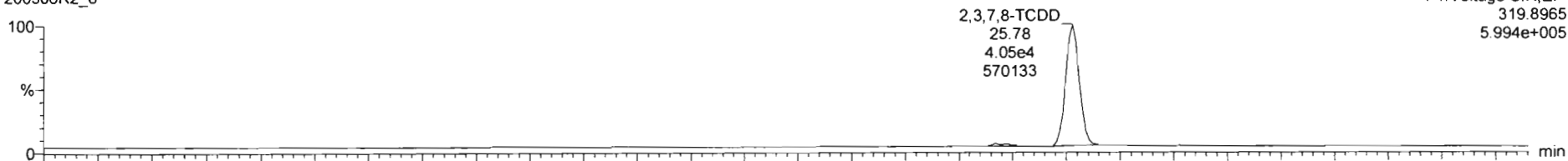
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Printed: Monday, March 09, 2020 09:03:37 Pacific Daylight Time

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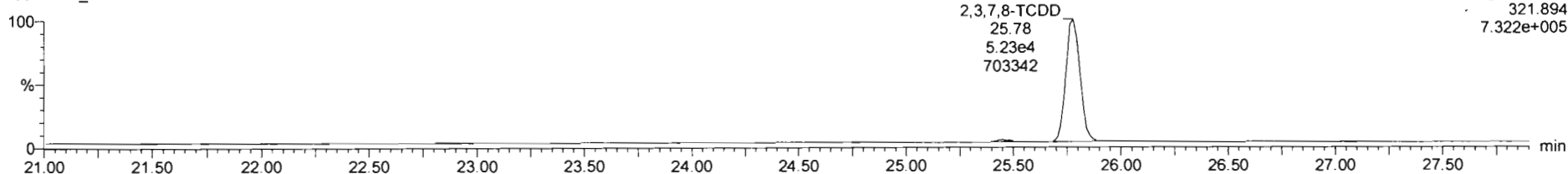
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2,3,7,8-TCDD

200306R2_8

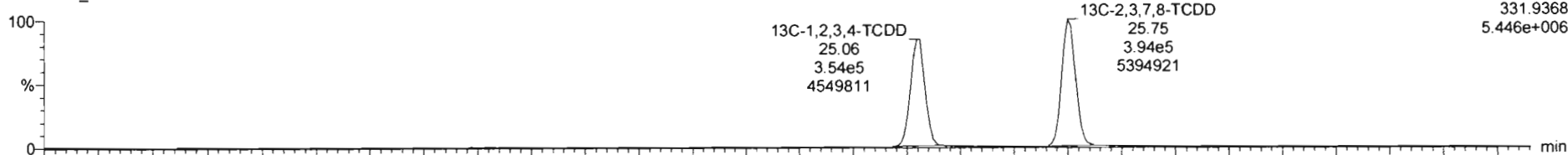


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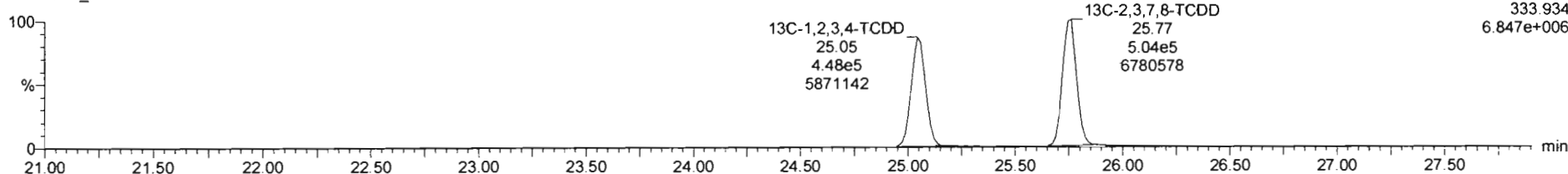


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200306R2_8



200306R2_8



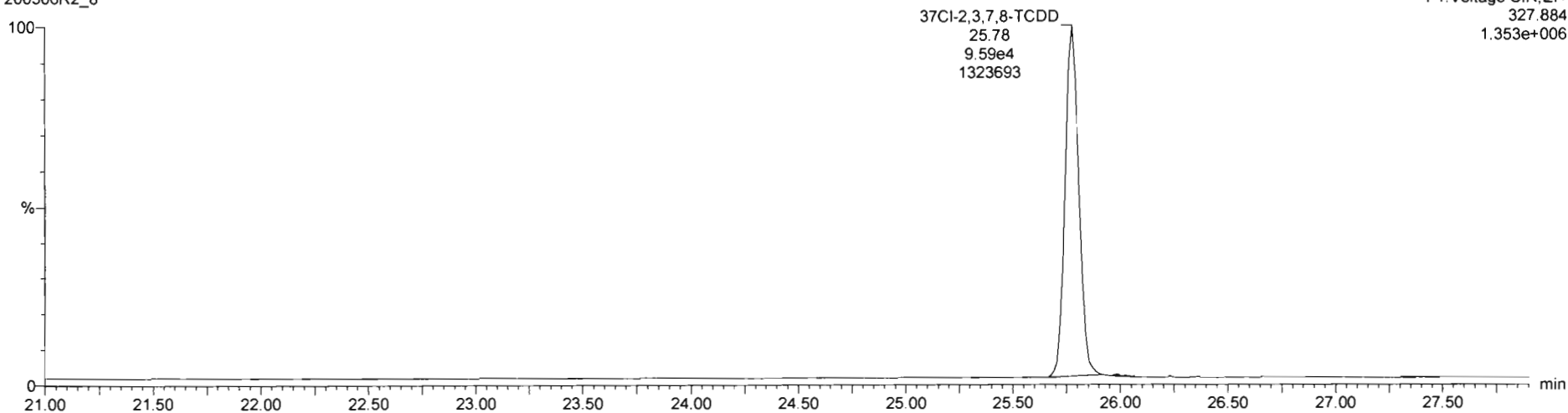
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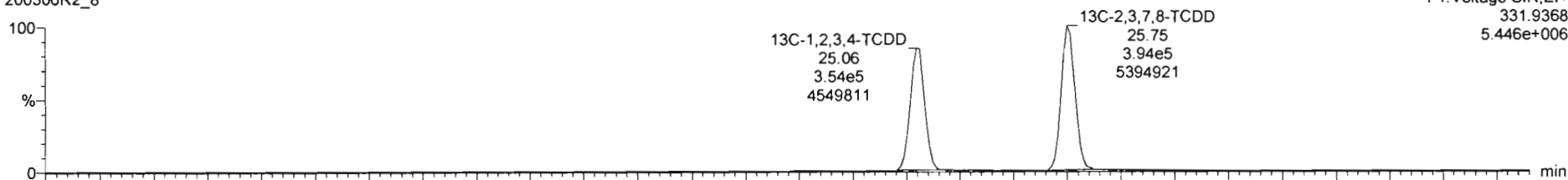
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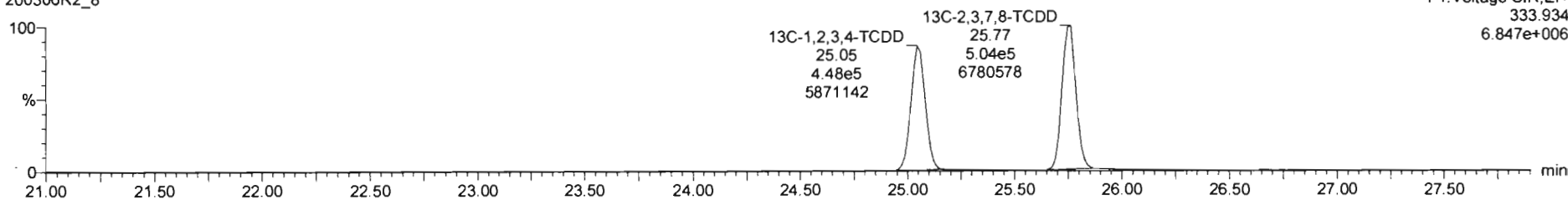


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200306R2_8



200306R2_8



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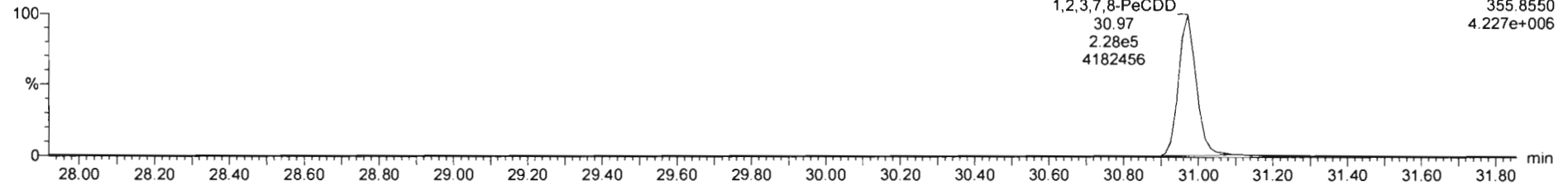
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1,2,3,7,8-PeCDD

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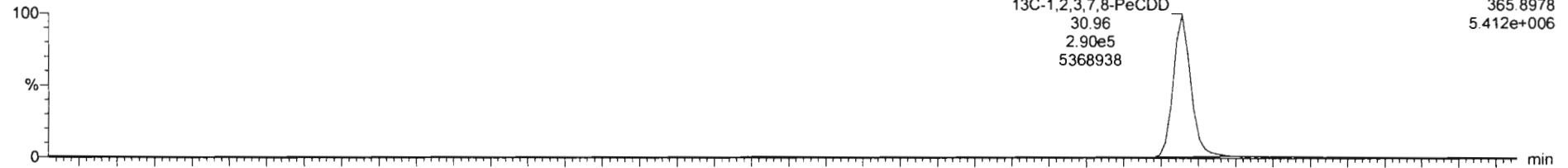


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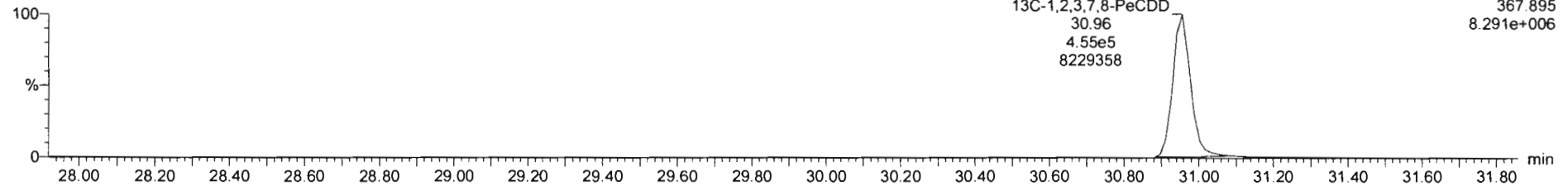


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200306R2_8



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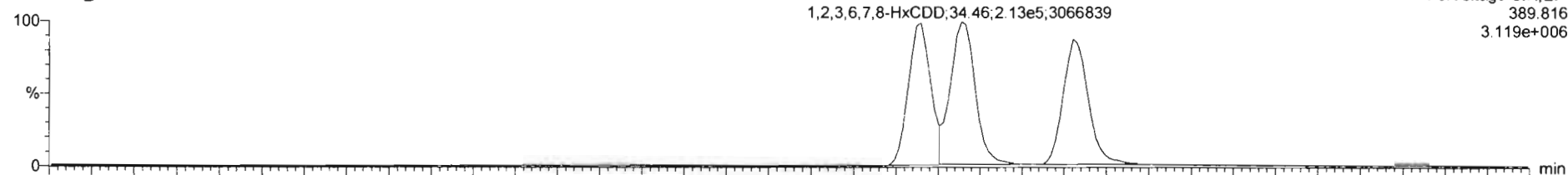
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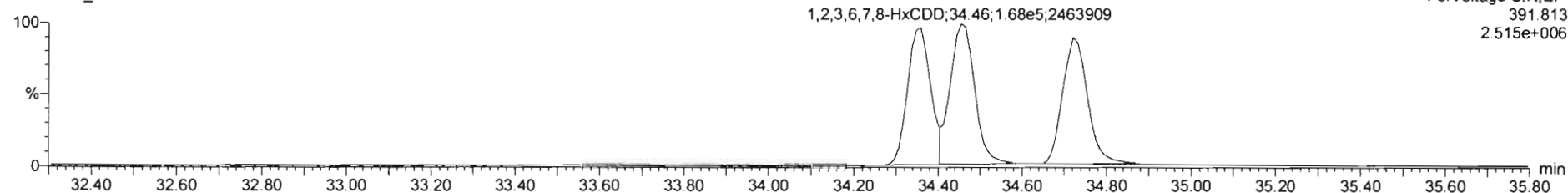
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1,2,3,4,7,8-HxCDD

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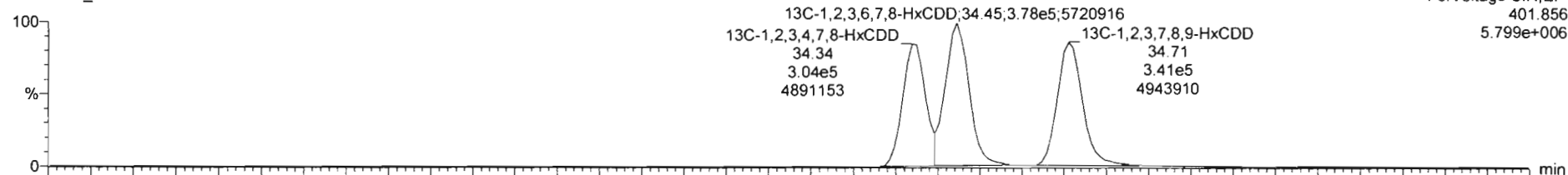


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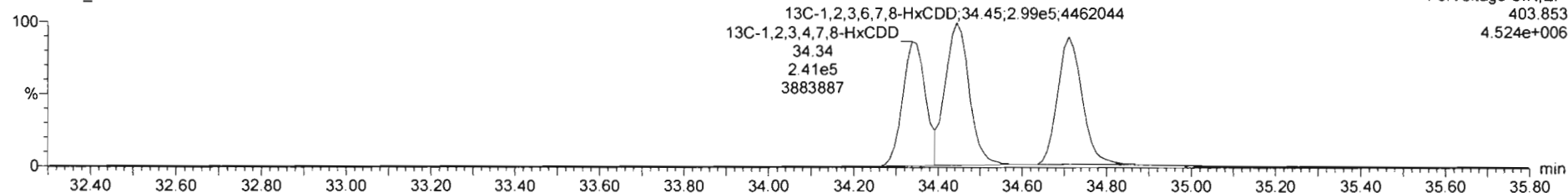


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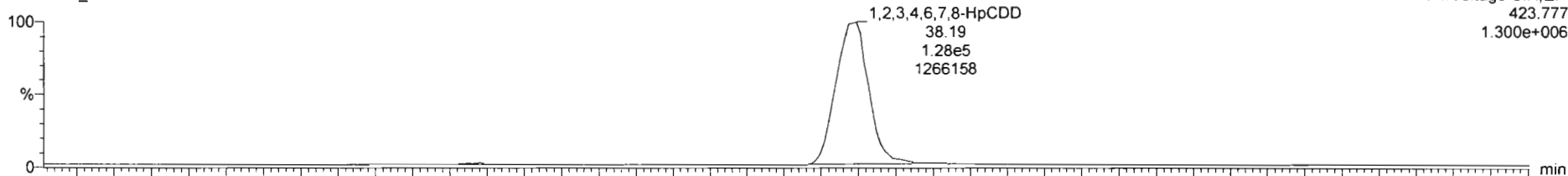
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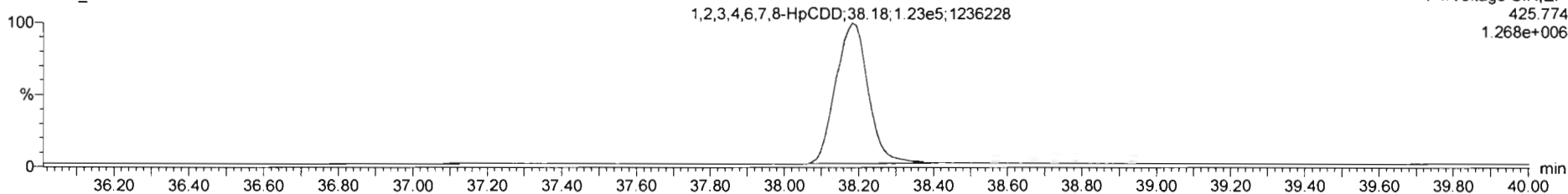
1,2,3,4,6,7,8-HpCDD

200306R2_8



F4: Voltage SIR, EI+
423.777
1.300e+006

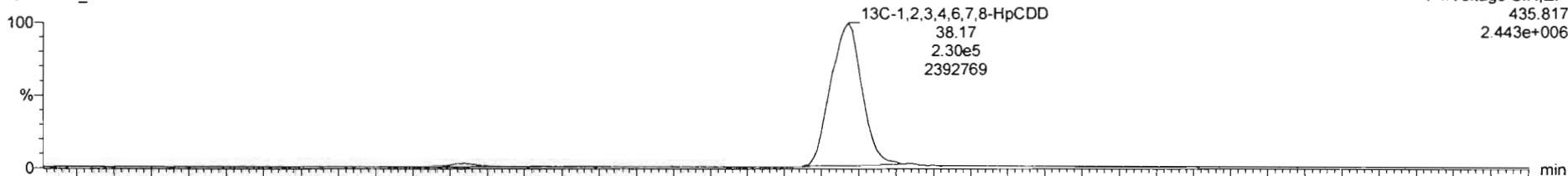
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F4: Voltage SIR, EI+
425.774
1.268e+006

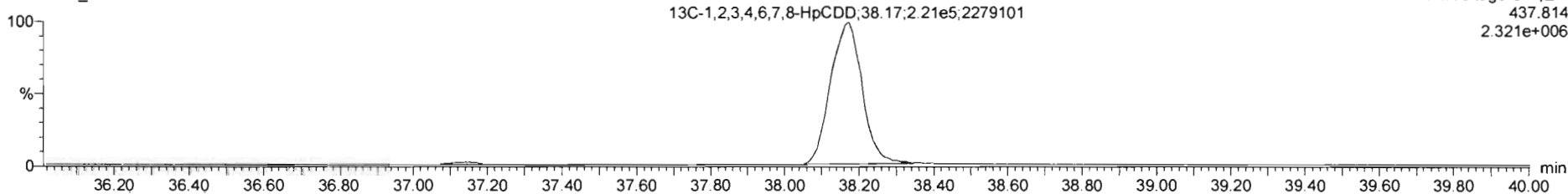
13C-1,2,3,4,6,7,8-HpCDD

200306R2_8



F4: Voltage SIR, EI+
435.817
2.443e+006

200306R2_8

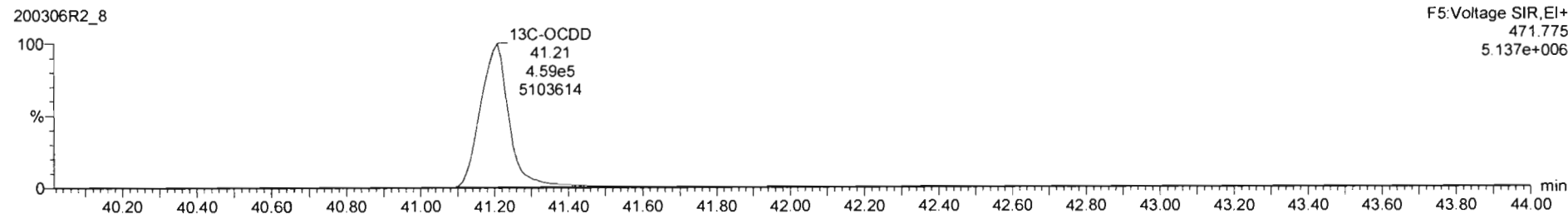
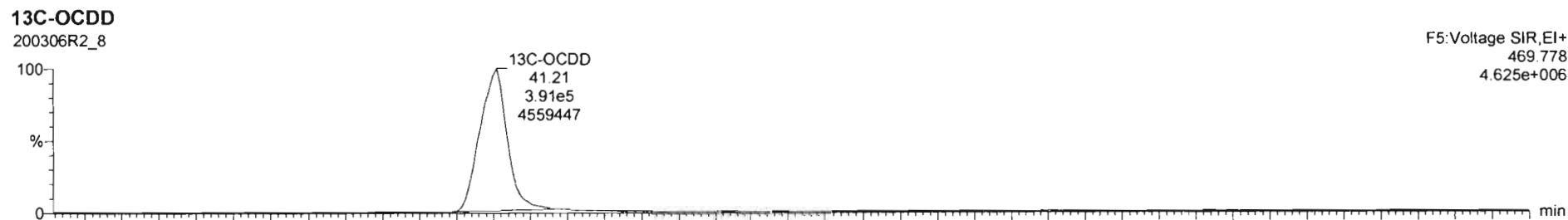
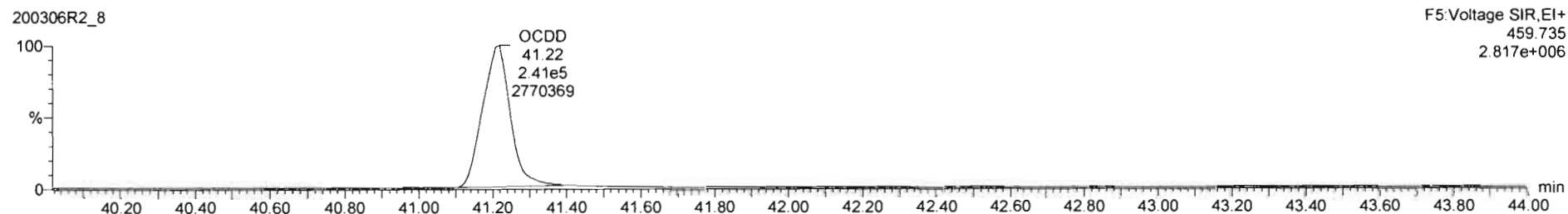
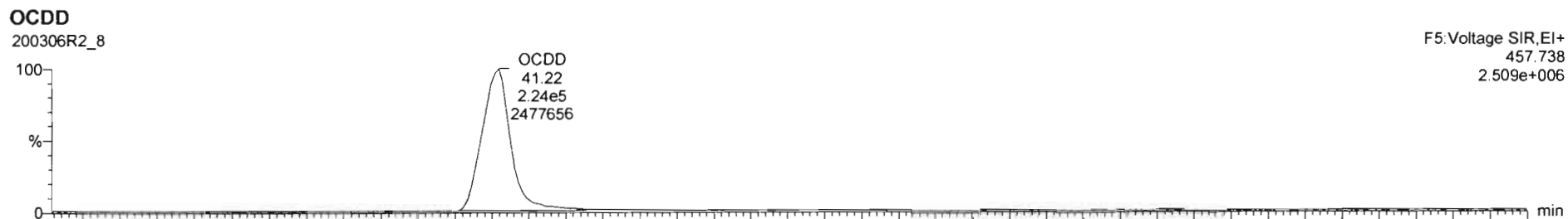


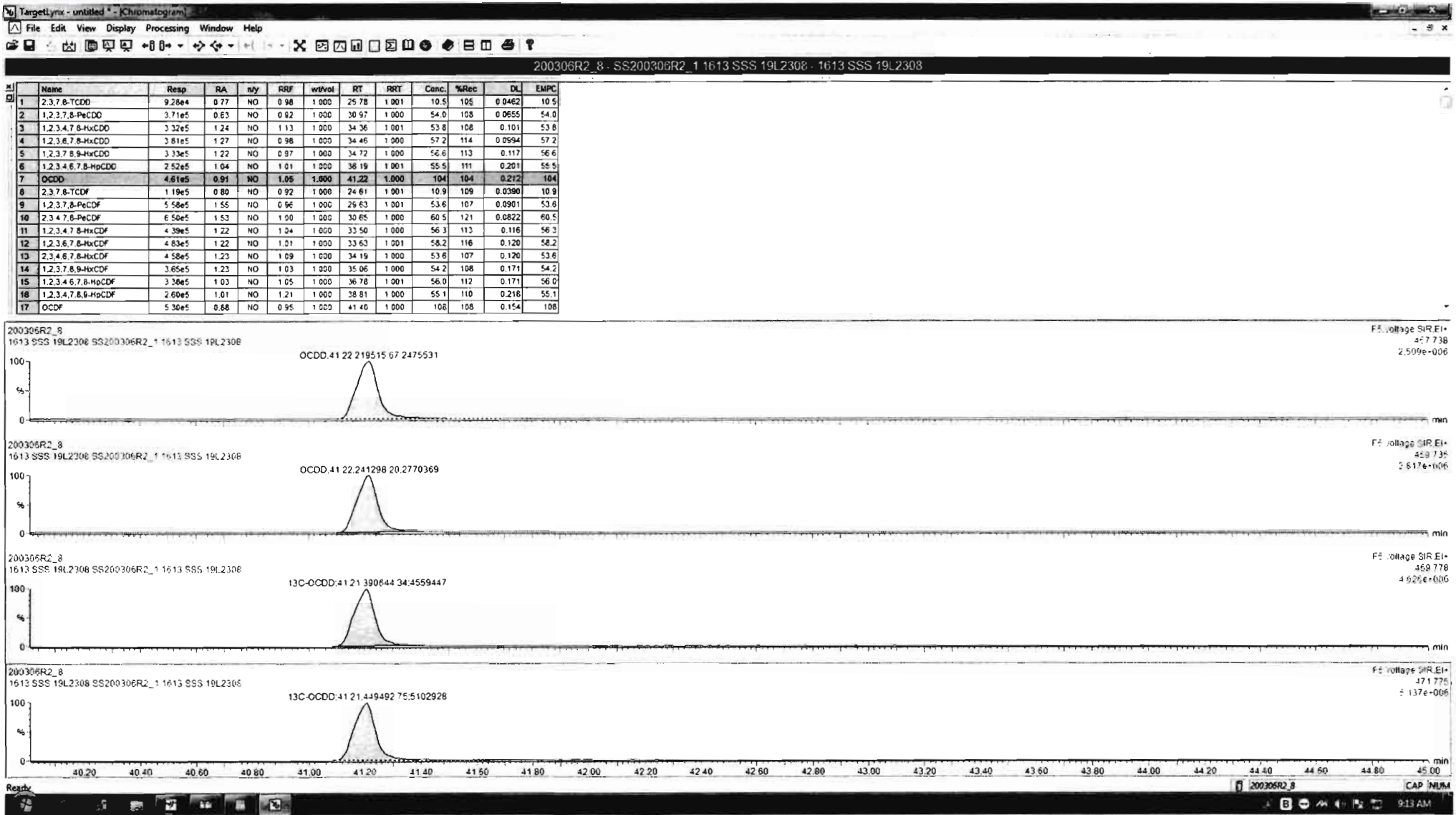
F4: Voltage SIR, EI+
437.814
2.321e+006

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Name: 200306R2_8, Date: 06-Mar-2020, Time: 18:42:29, ID: SS200306R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308





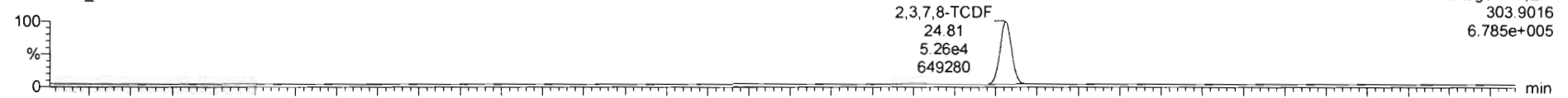
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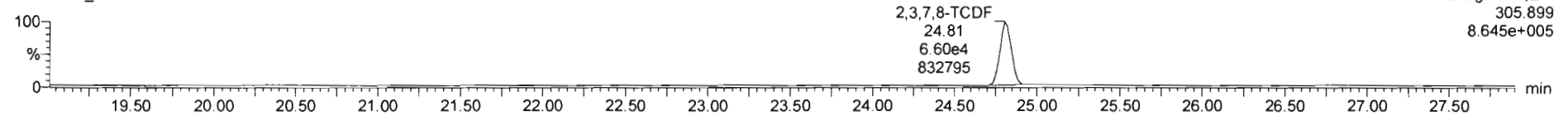
2,3,7,8-TCDF

200306R2_8



F1:Voltage SIR,EI+
303.9016
6.785e+005

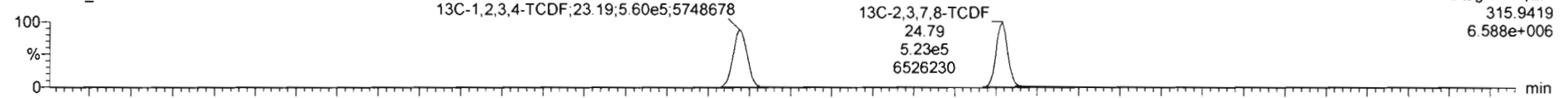
200306R2_8



F1:Voltage SIR,EI+
305.899
8.645e+005

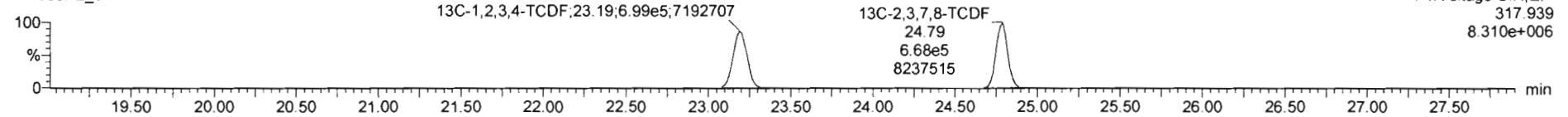
13C-2,3,7,8-TCDF

200306R2_8



F1:Voltage SIR,EI+
315.9419
6.588e+006

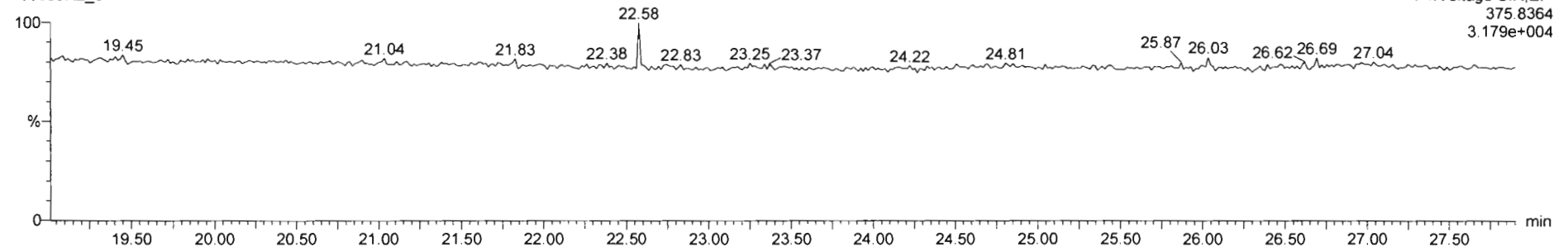
200306R2_8



F1:Voltage SIR,EI+
317.939
8.310e+006

DPE1

200306R2_8



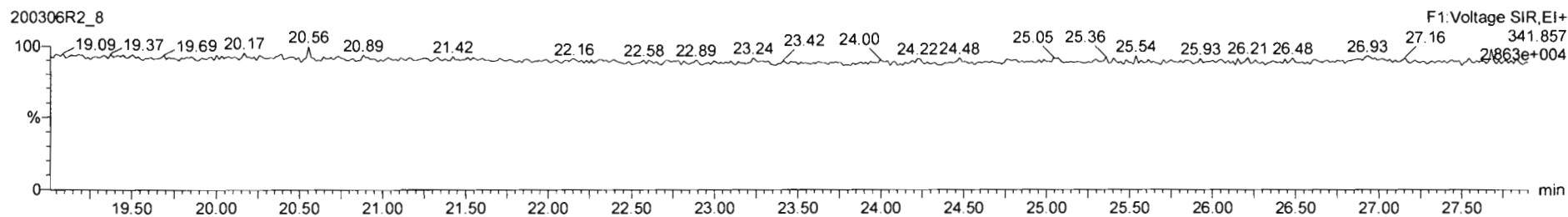
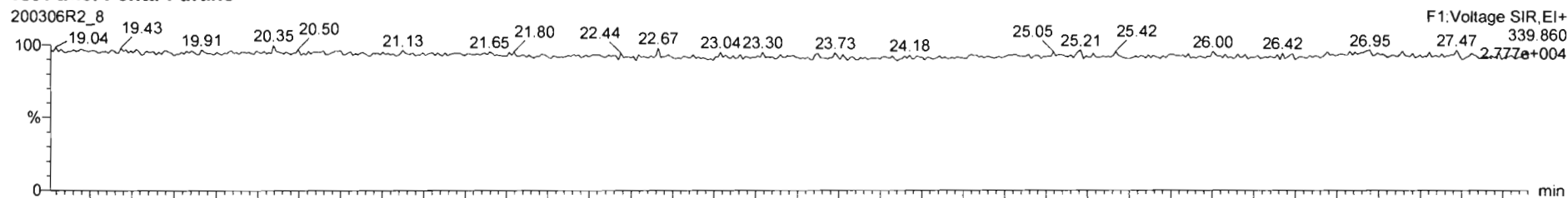
F1:Voltage SIR,EI+
375.8364
3.179e+004

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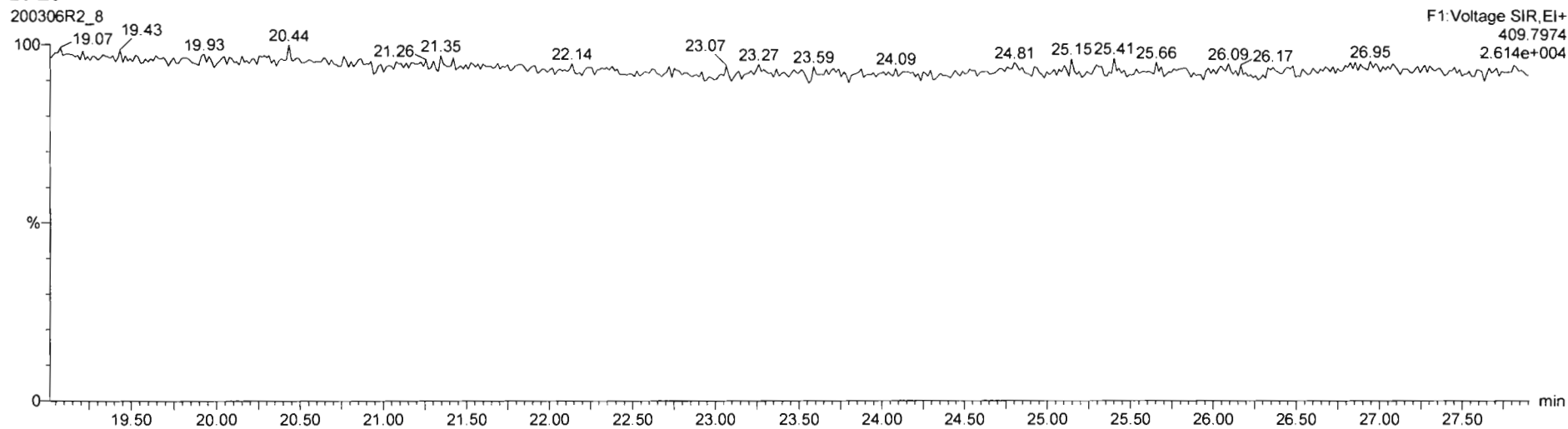
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Name: 200306R2_8, Date: 06-Mar-2020, Time: 18:42:29, ID: SS200306R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

1st Func. Penta-Furans



DPE6



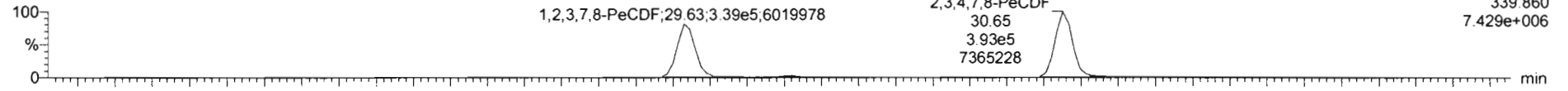
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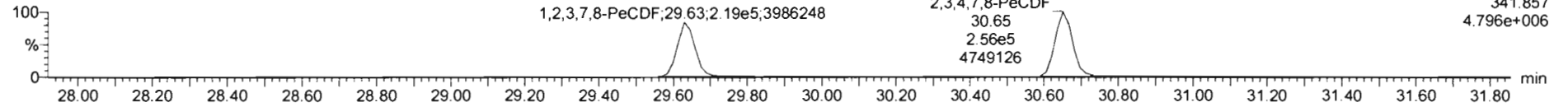
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1,2,3,7,8-PeCDF

200306R2_8

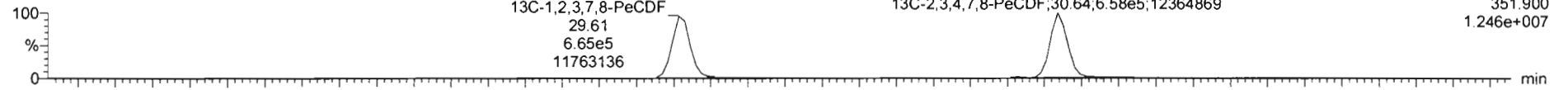


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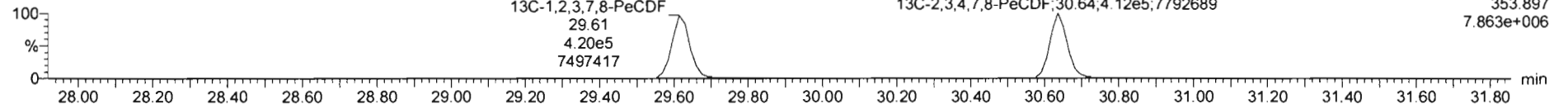


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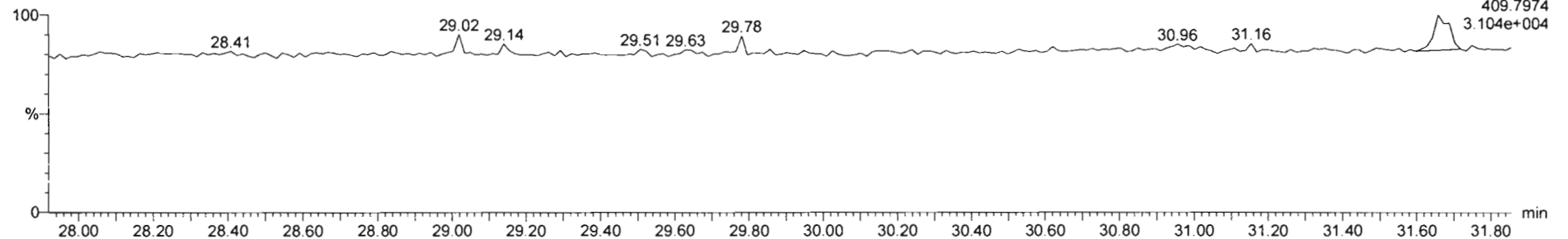


200306R2_8



DPE2

200306R2_8



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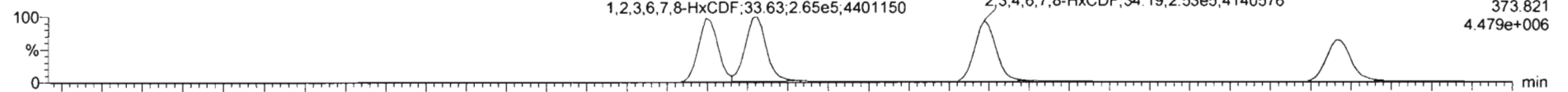
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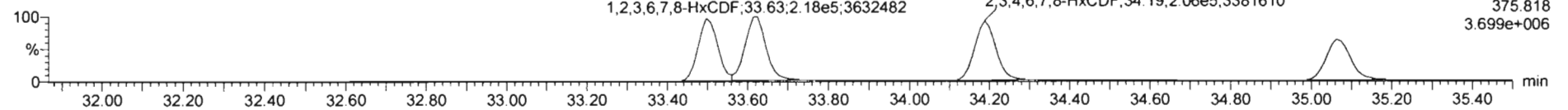
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1,2,3,4,7,8-HxCDF

200306R2_8

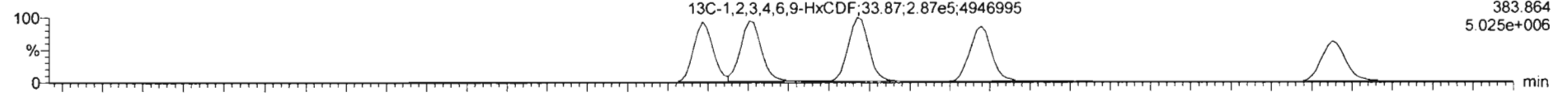


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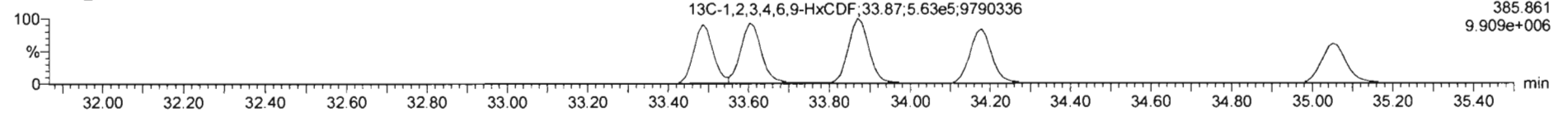


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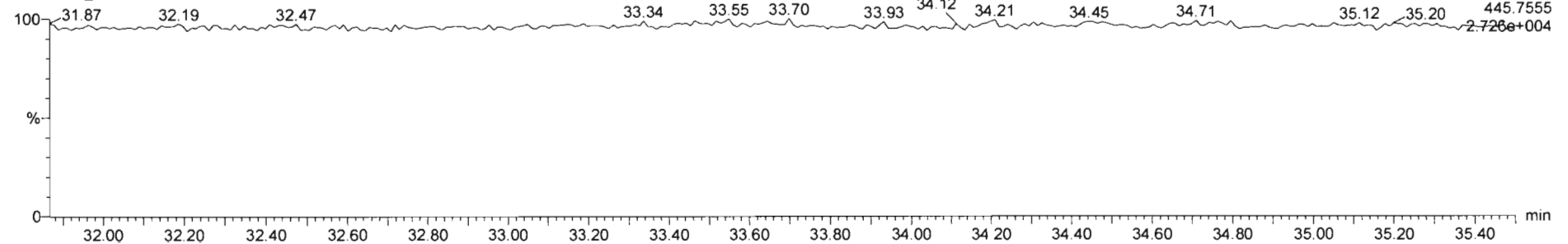


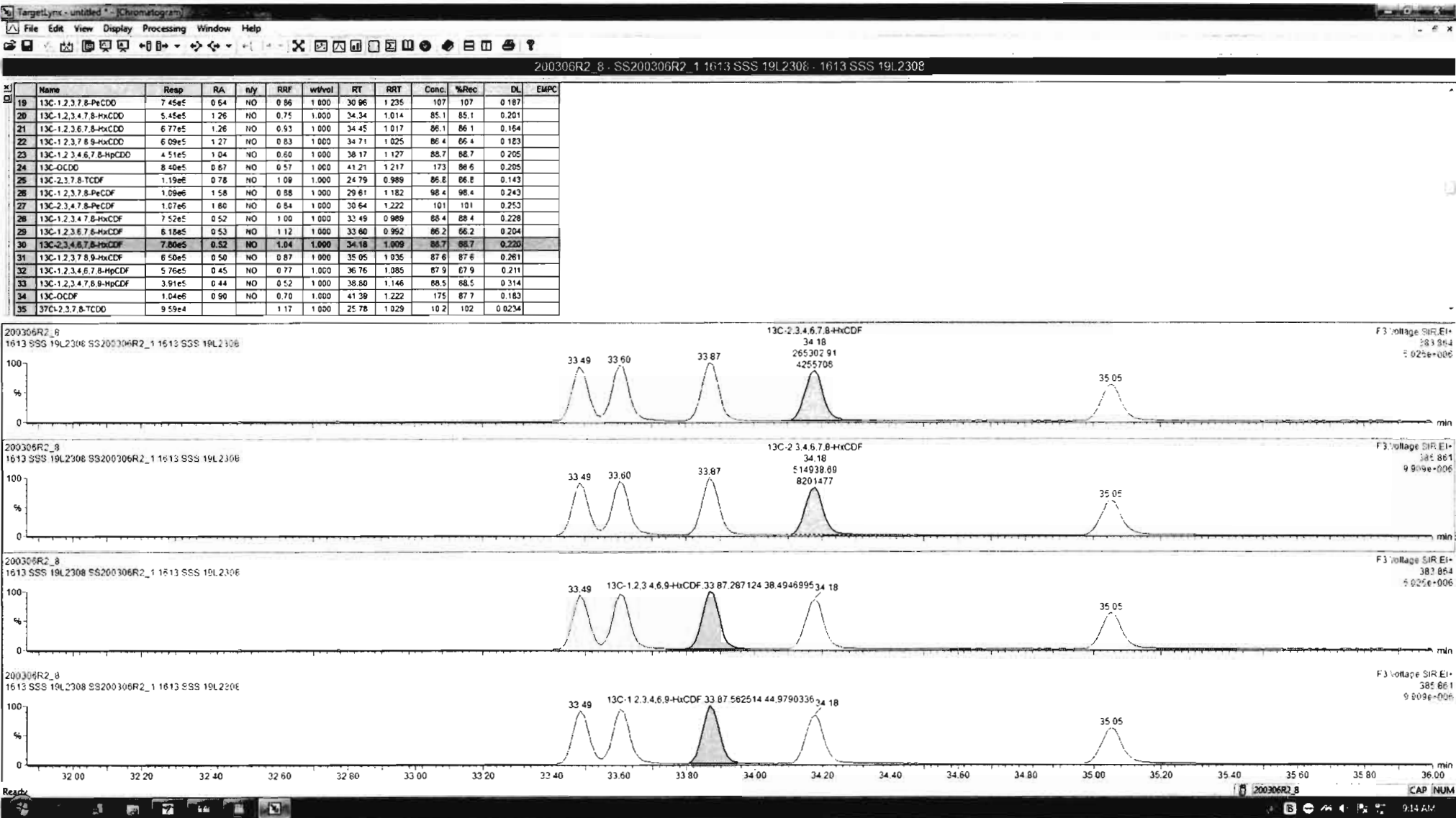
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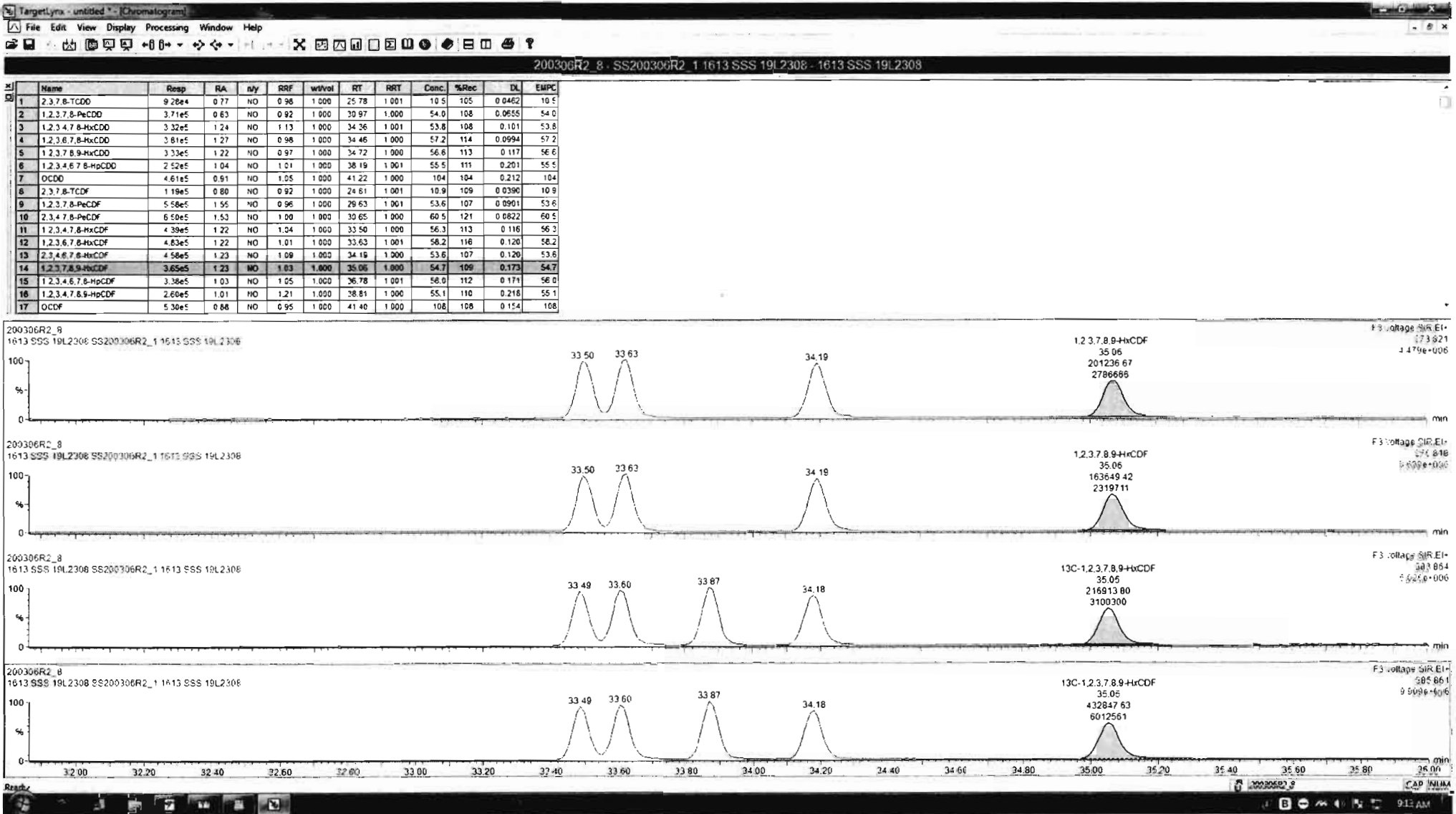


DPE3

200306R2_8







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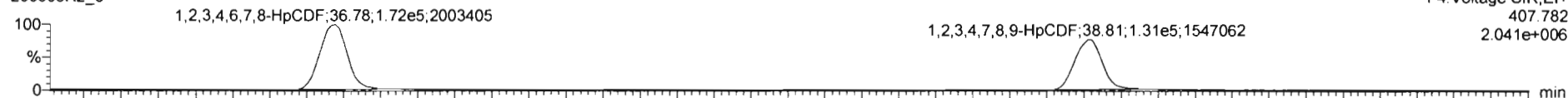
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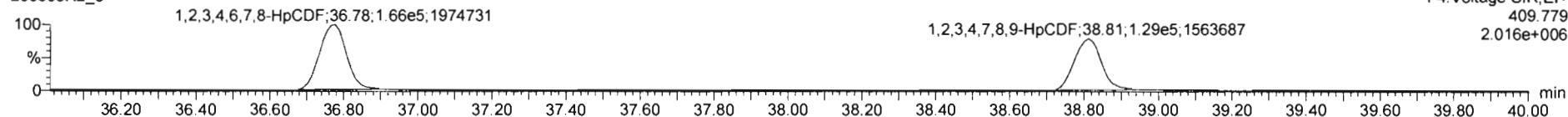
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1,2,3,4,6,7,8-HpCDF

200306R2_8

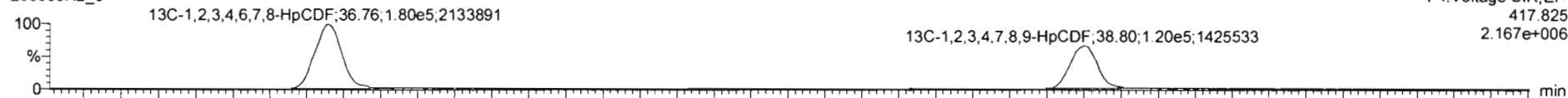


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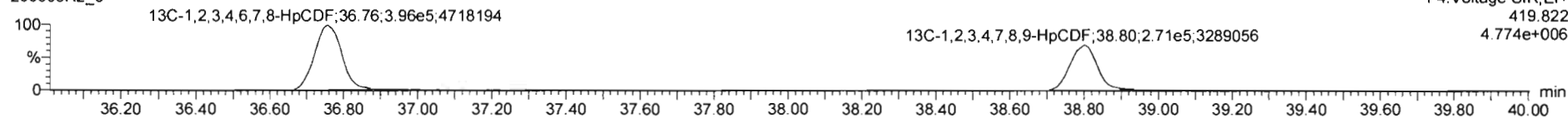


13C-1,2,3,4,6,7,8-HpCDF

200306R2_8

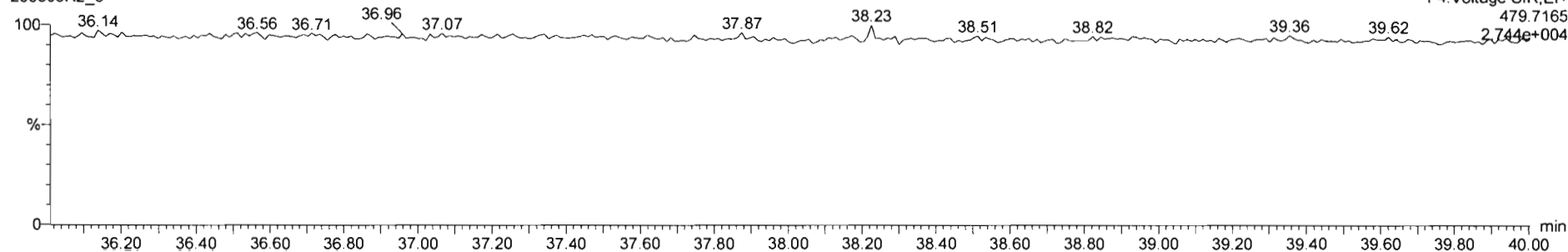


200306R2_8



DPE4

200306R2_8

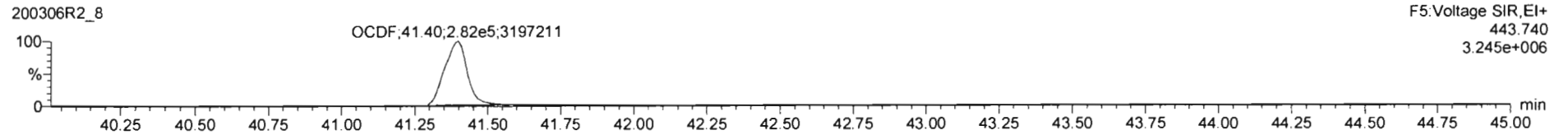
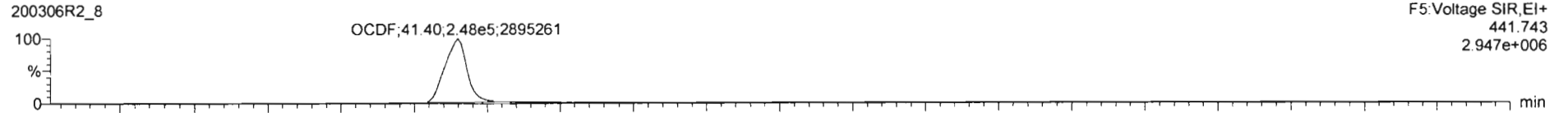


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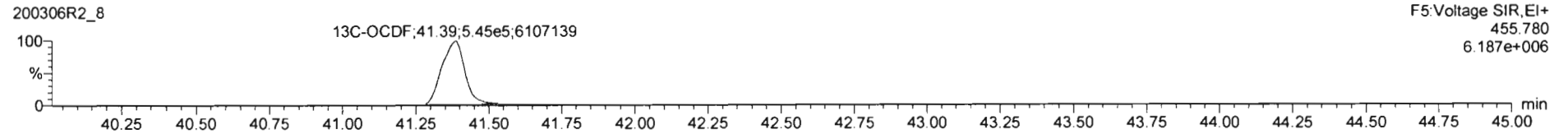
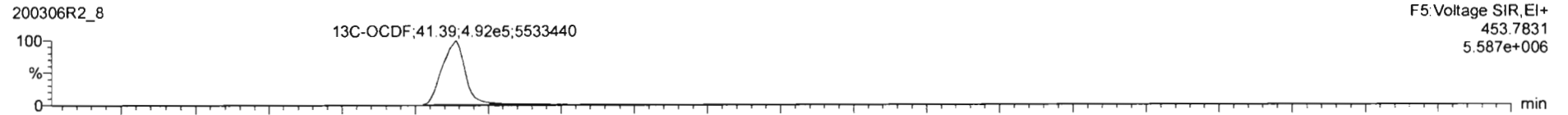
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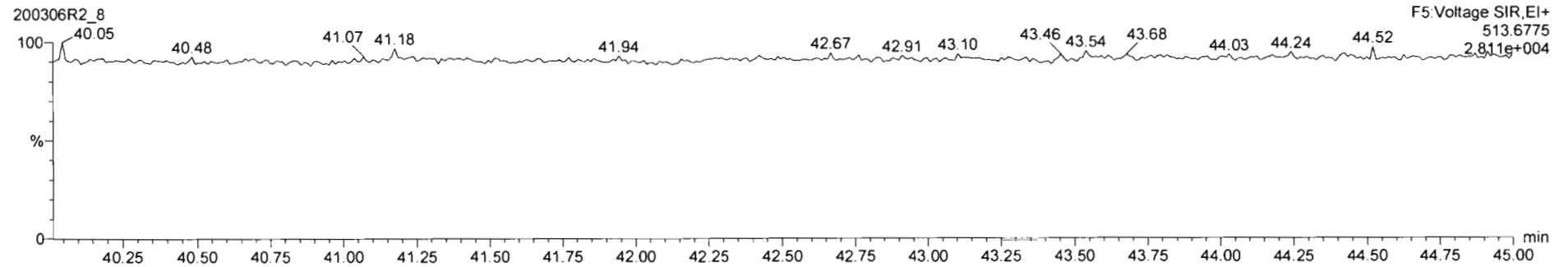
OCDF



13C-OCDF



DPE5

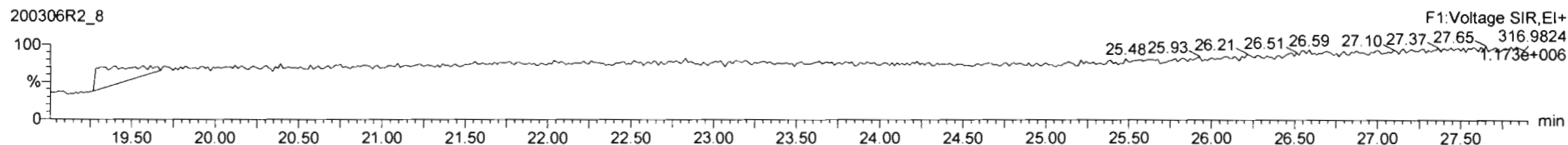


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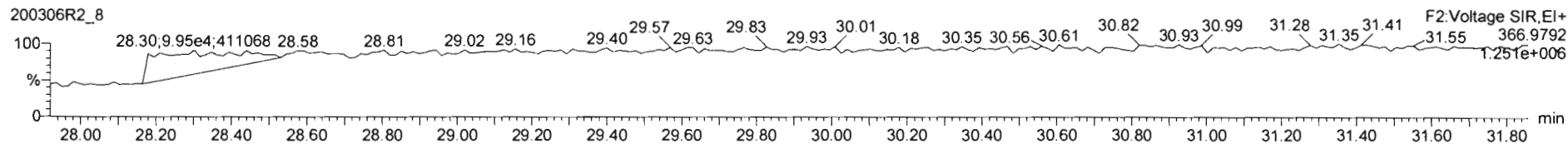
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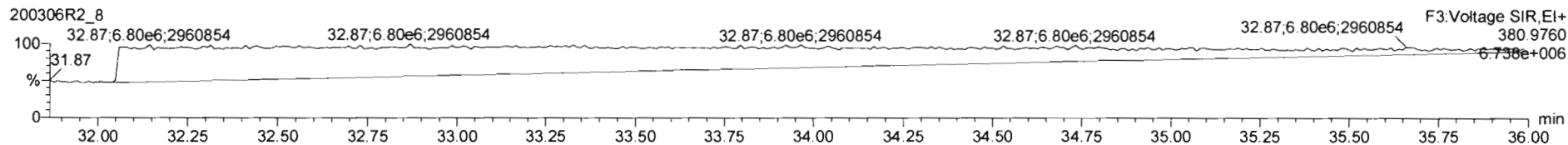
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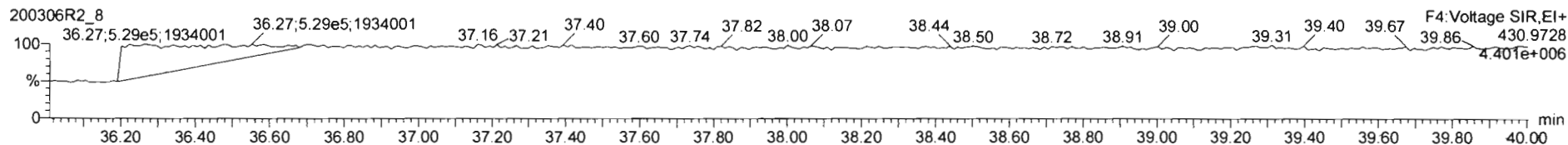
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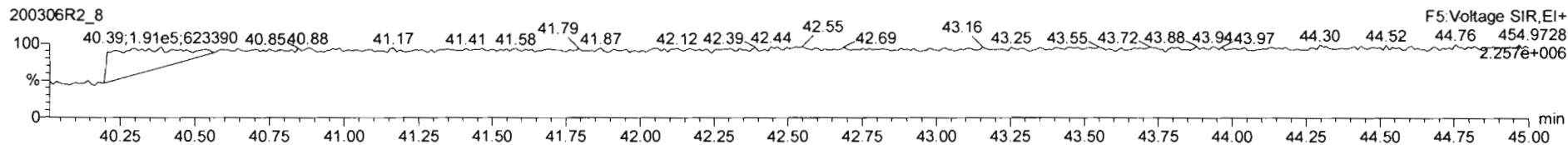
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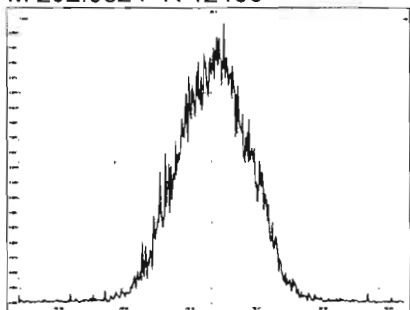


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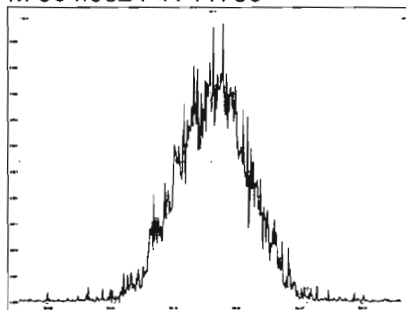


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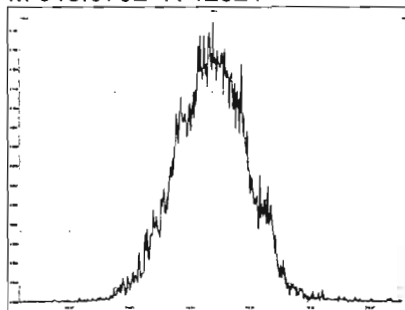
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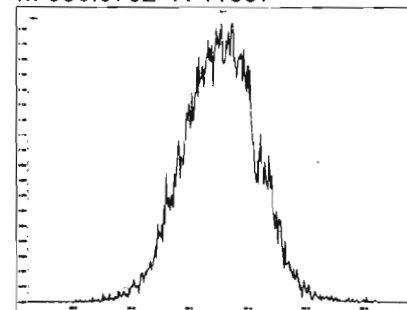
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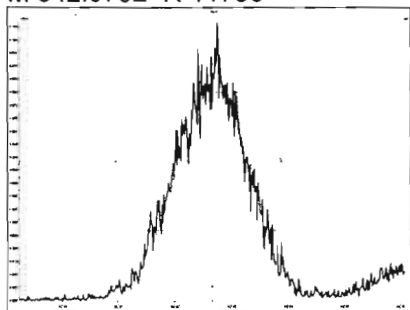
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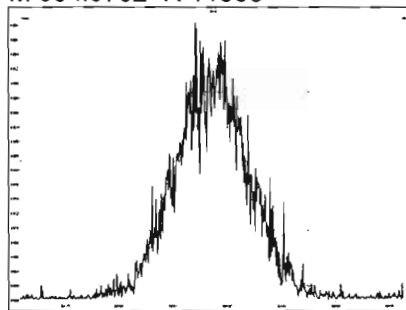
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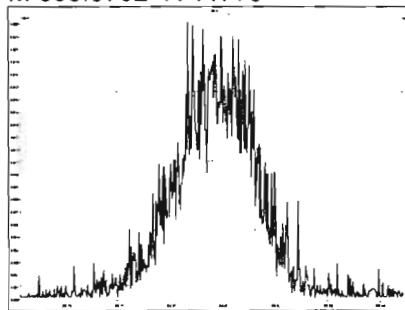
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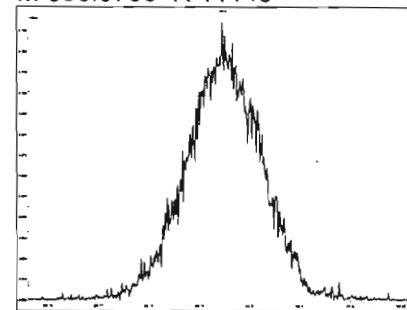
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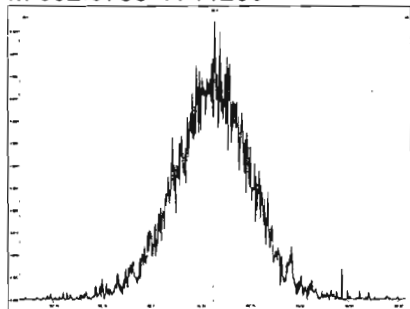
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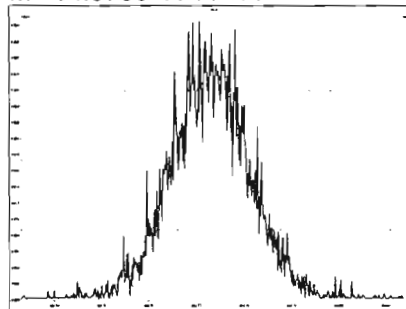
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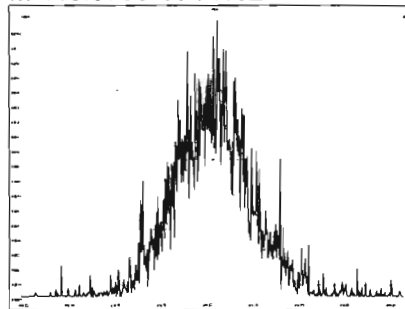
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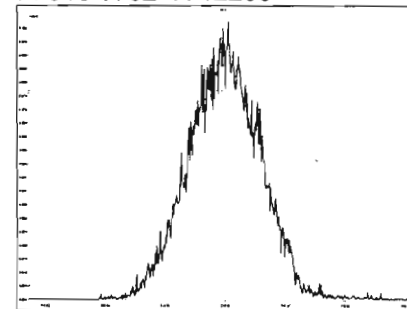
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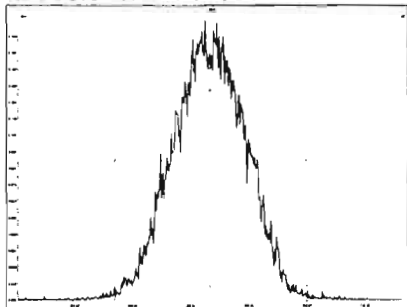


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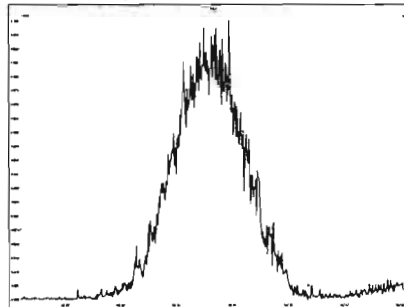


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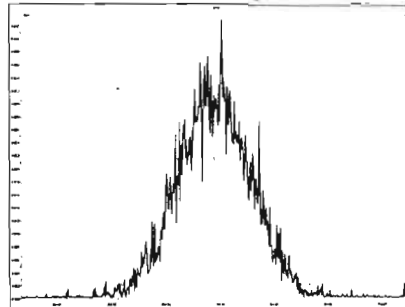
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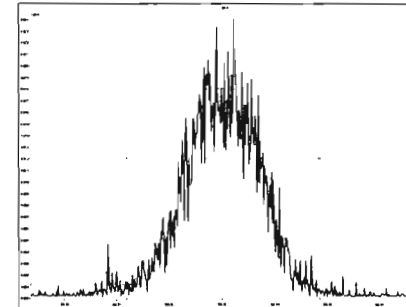
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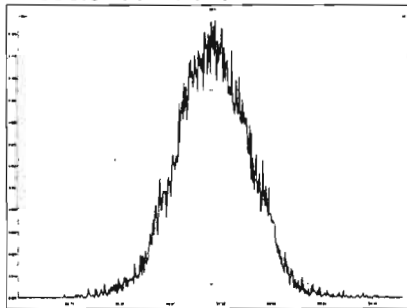
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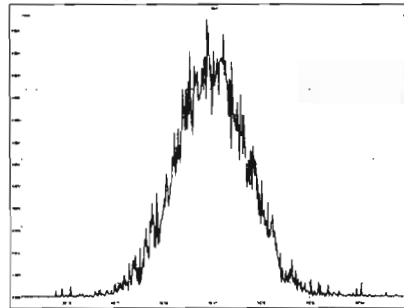
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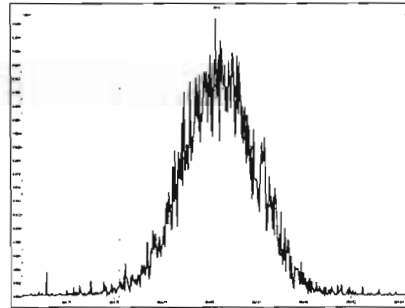
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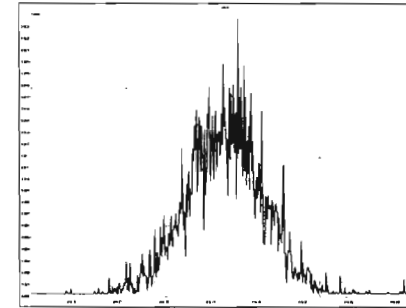
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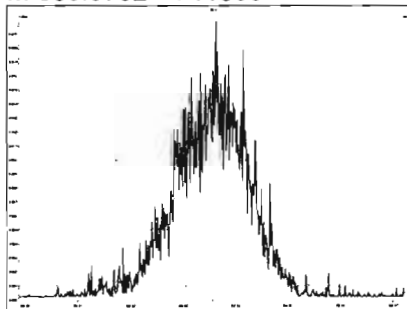
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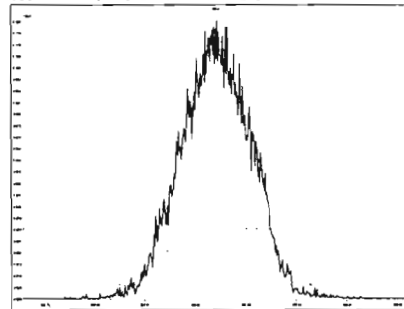
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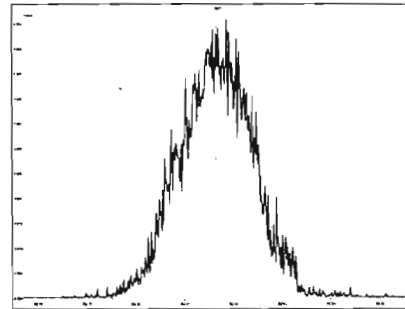
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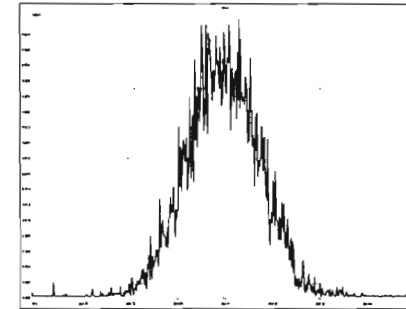
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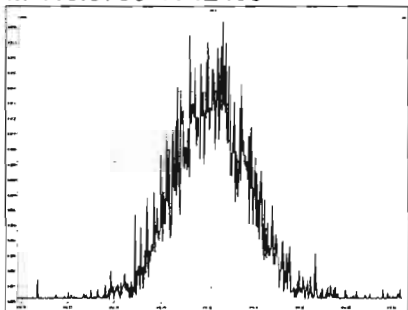


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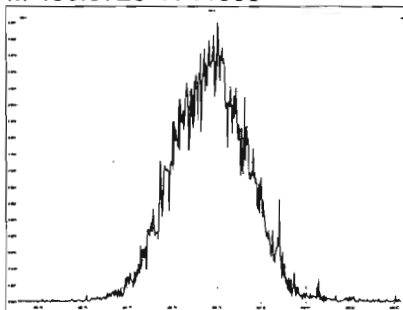


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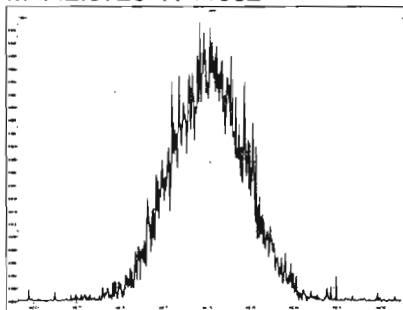
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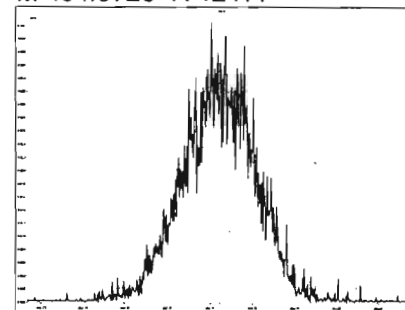
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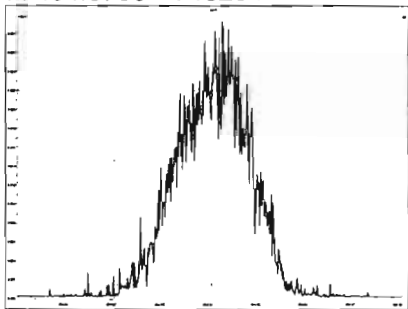
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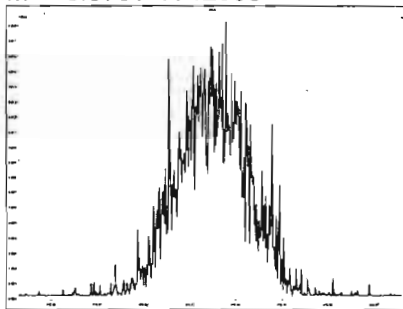
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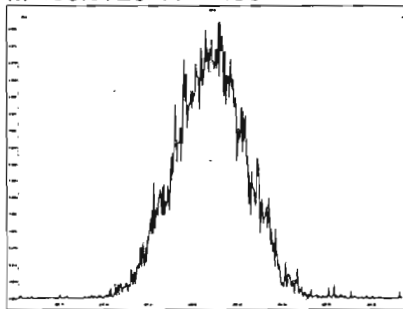
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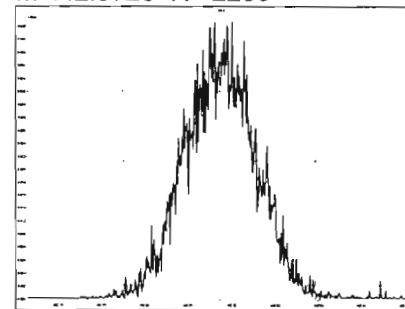
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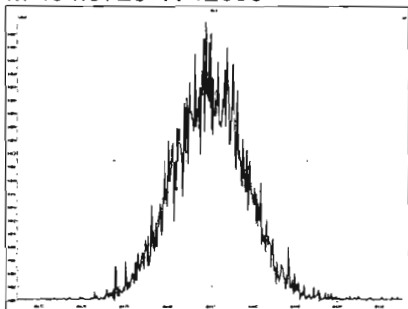
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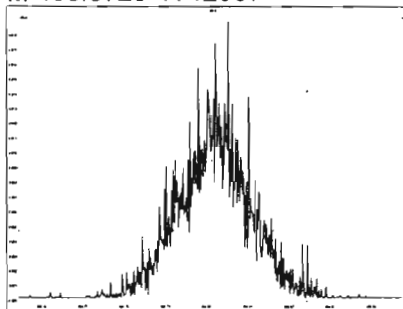
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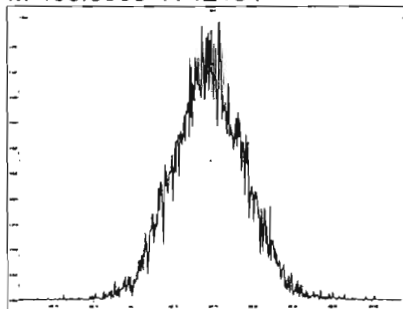
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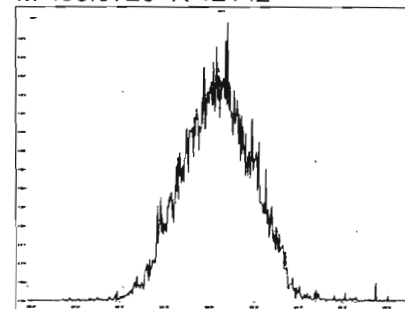
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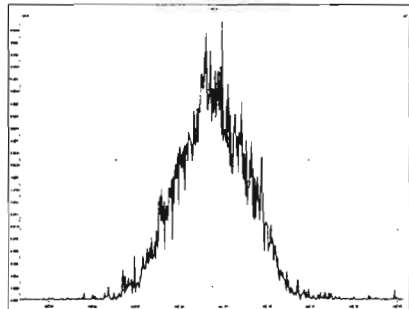
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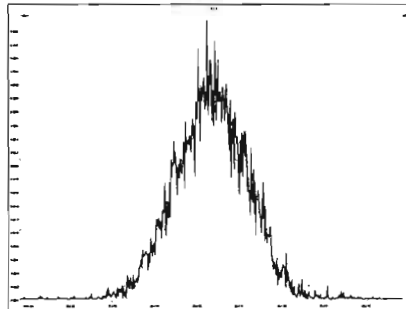
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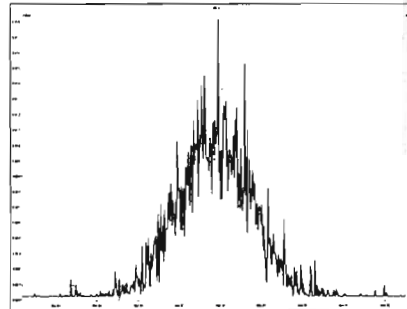
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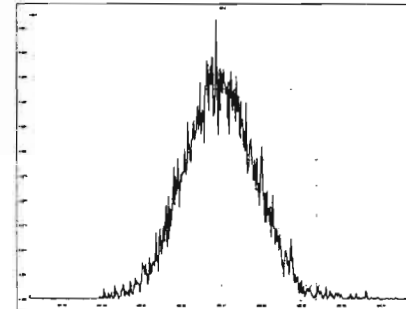
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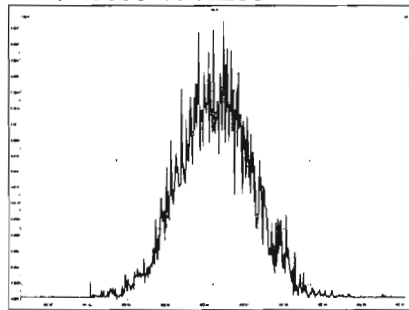
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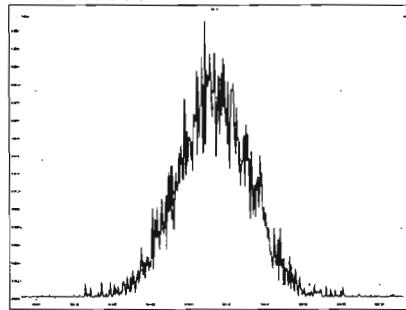
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M 492.9696 R 12255



M 504.9696 R 12406



M 516.9697 R 12265

