



June 26, 2020

Vista Work Order No. 2001037

Ms. Delaney Peterson
Anchor QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Dear Ms. Peterson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 12, 2020 under your Project Name 'Gasco PDI'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 2001037

Case Narrative

Sample Condition on Receipt:

Two QC water samples and twelve sediment samples were received in good condition. Samples "PDI-FB-2005071044" and "PDI-RB-2005071052" were received outside of the recommended temperature preservation of <6°C. All other samples were received within the method temperature requirements. Authorization to proceed with the analyses was received by email on May 13, 2020. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The EPA Method 1668 analyses for samples "PDI-FB-2005071044", "PDI-RB-2005071052", "PDI-096SG-00-01-200507" and "PDI-098SG-00-01-200507" were assigned to Vista Work Order No. 2001039.

Analytical Notes:

EPA Method 1613B

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

Holding Times

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

Quality Control

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

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

As requested, a duplicate was performed on sample "PDI-098SC-B-02-05-200507". The RPDs were outside of the acceptance criteria for 1,2,3,4,7,8-HxCDD, 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,6,7,8-HxCDF and 1,2,3,7,8,9-HxCDF.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2001037-01	PDI-FB-2005071044	07-May-20 10:44	12-May-20 09:50	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
2001037-02	PDI-RB-2005071052	07-May-20 10:52	12-May-20 09:50	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
2001037-03	PDI-094SC-B-00-02-200507	07-May-20 13:15	12-May-20 09:50	Amber Glass, 120 mL
2001037-04	PDI-094SC-B-02-05-200507	07-May-20 13:15	12-May-20 09:50	Amber Glass, 120 mL
2001037-05	PDI-094SC-B-05-07-200507	07-May-20 13:15	12-May-20 09:50	Amber Glass, 120 mL
2001037-06	PDI-096SC-B-00-02-200507	07-May-20 10:15	12-May-20 09:50	Amber Glass, 120 mL
2001037-07	PDI-096SC-B-02-05-200507	07-May-20 10:15	12-May-20 09:50	Amber Glass, 120 mL
2001037-08	PDI-096SC-B-05-07-200507	07-May-20 10:15	12-May-20 09:50	Amber Glass, 120 mL
2001037-09	PDI-096SG-00-01-200507	07-May-20 10:31	12-May-20 09:50	Amber Glass, 120 mL
2001037-10	PDI-098SC-B-00-02-200507	07-May-20 08:45	12-May-20 09:50	Amber Glass, 120 mL
2001037-11	PDI-098SC-B-02-05-200507	DUP07-May-20 08:45	12-May-20 09:50	Amber Glass, 120 mL Amber Glass, 120 mL
2001037-12	PDI-098SC-B-05-07-200507	07-May-20 08:45	12-May-20 09:50	Amber Glass, 120 mL
2001037-13	PDI-1098SC-B-05-07-200507	07-May-20 00:00	12-May-20 09:50	Amber Glass, 120 mL
2001037-14	PDI-098SG-00-01-200507	07-May-20 09:29	12-May-20 09:50	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B			
Matrix: Aqueous Sample Size: 1.00 L		QC Batch: B0E0102 Date Extracted: 14-May-2020 6:48		Lab Sample: B0E0102-BLK1 Date Analyzed: 09-Jun-20 14:51 Column: ZB-5MS				
Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.727			IS 13C-2,3,7,8-TCDD	96.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.756			13C-1,2,3,7,8-PeCDD	95.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	1.28			13C-1,2,3,4,7,8-HxCDD	81.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	1.25			13C-1,2,3,6,7,8-HxCDD	82.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND	1.54			13C-1,2,3,7,8,9-HxCDD	78.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	2.61			13C-1,2,3,4,6,7,8-HpCDD	67.5	23 - 140	
OCDD	18.8			J	13C-OCDD	56.4	17 - 157	
2,3,7,8-TCDF	ND	0.734			13C-2,3,7,8-TCDF	82.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.675			13C-1,2,3,7,8-PeCDF	95.8	24 - 185	
2,3,4,7,8-PeCDF	ND	0.552			13C-2,3,4,7,8-PeCDF	97.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.797			13C-1,2,3,4,7,8-HxCDF	83.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.754			13C-1,2,3,6,7,8-HxCDF	84.0	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.822			13C-2,3,4,6,7,8-HxCDF	83.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	1.27			13C-1,2,3,7,8,9-HxCDF	79.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	2.24			13C-1,2,3,4,6,7,8-HpCDF	70.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	2.54			13C-1,2,3,4,7,8,9-HpCDF	64.6	26 - 138	
OCDF	ND	1.63			13C-OCDF	52.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	106	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/L)			
					TEQMinWHO2005Dioxin 0.00564			
TOTALS								
Total TCDD	ND	0.727						
Total PeCDD	ND	0.756						
Total HxCDD	ND	1.54						
Total HpCDD	ND	2.61						
Total TCDF	ND	0.734						
Total PeCDF	ND	0.675						
Total HxCDF	ND	1.27						
Total HpCDF	ND	2.54						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Aqueous Sample Size: 1.00 L		QC Batch: B0E0102 Date Extracted: 14-May-2020 6:48		Lab Sample: B0E0102-BS1 Date Analyzed: 09-Jun-20 12:31 Column: ZB-5MS			
Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	178	200	89.0	67 - 158	IS 13C-2,3,7,8-TCDD	96.2	20 - 175
1,2,3,7,8-PeCDD	926	1000	92.6	70 - 142	13C-1,2,3,7,8-PeCDD	104	21 - 227
1,2,3,4,7,8-HxCDD	923	1000	92.3	70 - 164	13C-1,2,3,4,7,8-HxCDD	91.0	21 - 193
1,2,3,6,7,8-HxCDD	953	1000	95.3	76 - 134	13C-1,2,3,6,7,8-HxCDD	85.6	25 - 163
1,2,3,7,8,9-HxCDD	956	1000	95.6	64 - 162	13C-1,2,3,7,8,9-HxCDD	87.4	21 - 193
1,2,3,4,6,7,8-HpCDD	992	1000	99.2	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	76.0	26 - 166
OCDD	1940	2000	97.2	78 - 144	13C-OCDD	60.8	13 - 199
2,3,7,8-TCDF	186	200	93.0	75 - 158	13C-2,3,7,8-TCDF	81.7	22 - 152
1,2,3,7,8-PeCDF	935	1000	93.5	80 - 134	13C-1,2,3,7,8-PeCDF	99.2	21 - 192
2,3,4,7,8-PeCDF	926	1000	92.6	68 - 160	13C-2,3,4,7,8-PeCDF	102	13 - 328
1,2,3,4,7,8-HxCDF	983	1000	98.3	72 - 134	13C-1,2,3,4,7,8-HxCDF	91.6	19 - 202
1,2,3,6,7,8-HxCDF	997	1000	99.7	84 - 130	13C-1,2,3,6,7,8-HxCDF	89.5	21 - 159
2,3,4,6,7,8-HxCDF	972	1000	97.2	70 - 156	13C-2,3,4,6,7,8-HxCDF	90.7	22 - 176
1,2,3,7,8,9-HxCDF	990	1000	99.0	78 - 130	13C-1,2,3,7,8,9-HxCDF	86.1	17 - 205
1,2,3,4,6,7,8-HpCDF	972	1000	97.2	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	80.7	21 - 158
1,2,3,4,7,8,9-HpCDF	1020	1000	102	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	75.2	20 - 186
OCDF	1980	2000	99.1	63 - 170	13C-OCDF	58.9	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	112	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-FB-2005071044 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: QC Water	Lab Sample: 2001037-01 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 1.05 L	QC Batch: B0E0102 Date Extracted: 14-May-2020 6:48
Date Collected: 07-May-2020 10:44		Date Analyzed : 09-Jun-20 17:09 Column: ZB-5MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.541			IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	ND	0.850			13C-1,2,3,7,8-PeCDD	95.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.952			13C-1,2,3,4,7,8-HxCDD	76.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.997			13C-1,2,3,6,7,8-HxCDD	79.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	1.12			13C-1,2,3,7,8,9-HxCDD	75.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	1.90			13C-1,2,3,4,6,7,8-HpCDD	62.9	23 - 140	
OCDD	10.8			J, B	13C-OCDD	50.1	17 - 157	
2,3,7,8-TCDF	ND	0.535			13C-2,3,7,8-TCDF	93.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.472			13C-1,2,3,7,8-PeCDF	95.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.451			13C-2,3,4,7,8-PeCDF	96.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.526			13C-1,2,3,4,7,8-HxCDF	76.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.512			13C-1,2,3,6,7,8-HxCDF	74.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.514			13C-2,3,4,6,7,8-HxCDF	79.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.821			13C-1,2,3,7,8,9-HxCDF	75.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.900			13C-1,2,3,4,6,7,8-HpCDF	64.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	1.13			13C-1,2,3,4,7,8,9-HpCDF	59.6	26 - 138	
OCDF	ND	1.20			13C-OCDF	47.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	113	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/L)
 TEQMinWHO2005Dioxin 0.00324

TOTALS		
Total TCDD	ND	0.541
Total PeCDD	ND	0.850
Total HxCDD	ND	1.12
Total HpCDD	ND	1.90
Total TCDF	ND	0.535
Total PeCDF	ND	0.472
Total HxCDF	ND	0.821
Total HpCDF	ND	1.13

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

LCL-UCL- Lower control limit - upper control limit
 Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-RB-2005071052 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: QC Water	Lab Sample: 2001037-02 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 1.04 L	QC Batch: B0E0102 Date Extracted: 14-May-2020 6:48
Date Collected: 07-May-2020 10:52		Date Analyzed : 09-Jun-20 17:55 Column: ZB-5MS

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.468			IS 13C-2,3,7,8-TCDD	98.9	25 - 164	
1,2,3,7,8-PeCDD	ND		1.14		13C-1,2,3,7,8-PeCDD	91.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	1.10			13C-1,2,3,4,7,8-HxCDD	67.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	1.06			13C-1,2,3,6,7,8-HxCDD	70.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	1.24			13C-1,2,3,7,8,9-HxCDD	67.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	3.17			J	13C-1,2,3,4,6,7,8-HpCDD	54.9	23 - 140	
OCDD	14.0			J, B	13C-OCDD	46.8	17 - 157	
2,3,7,8-TCDF	ND	0.297			13C-2,3,7,8-TCDF	91.1	24 - 169	
1,2,3,7,8-PeCDF	ND		1.01		13C-1,2,3,7,8-PeCDF	87.8	24 - 185	
2,3,4,7,8-PeCDF	ND		0.829		13C-2,3,4,7,8-PeCDF	92.0	21 - 178	
1,2,3,4,7,8-HxCDF	1.50			J	13C-1,2,3,4,7,8-HxCDF	66.8	26 - 152	
1,2,3,6,7,8-HxCDF	ND		1.07		13C-1,2,3,6,7,8-HxCDF	68.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.974		13C-2,3,4,6,7,8-HxCDF	73.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND		1.10		13C-1,2,3,7,8,9-HxCDF	67.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	1.09			13C-1,2,3,4,6,7,8-HpCDF	54.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	1.26			13C-1,2,3,4,7,8,9-HpCDF	54.1	26 - 138	
OCDF	ND		3.49		13C-OCDF	44.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	116	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/L)
 TEQMinWHO2005Dioxin 0.186

TOTALS								
Total TCDD	ND	0.468						
Total PeCDD	ND		1.14					
Total HxCDD	ND	1.24						
Total HpCDD	3.17			J				
Total TCDF	ND	0.297						
Total PeCDF	ND		1.84					
Total HxCDF	1.50		4.95	J				
Total HpCDF	ND	1.26						

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

LCL-UCL- Lower control limit - upper control limit
 Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: Method Blank					EPA Method 1613B			
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59		Lab Sample: B0E0150-BLK1 Date Analyzed: 08-Jun-20 14:02 Column: ZB-5MS				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.138			IS 13C-2,3,7,8-TCDD	64.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.163			13C-1,2,3,7,8-PeCDD	72.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.128			13C-1,2,3,4,7,8-HxCDD	57.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.138			13C-1,2,3,6,7,8-HxCDD	58.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.156			13C-1,2,3,7,8,9-HxCDD	57.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.256		13C-1,2,3,4,6,7,8-HpCDD	50.5	23 - 140	
OCDD	2.53			J	13C-OCDD	39.7	17 - 157	
2,3,7,8-TCDF	ND	0.0908			13C-2,3,7,8-TCDF	57.2	24 - 169	
1,2,3,7,8-PeCDF	ND		0.0500		13C-1,2,3,7,8-PeCDF	71.5	24 - 185	
2,3,4,7,8-PeCDF	ND		0.0770		13C-2,3,4,7,8-PeCDF	72.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0775			13C-1,2,3,4,7,8-HxCDF	63.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0676			13C-1,2,3,6,7,8-HxCDF	67.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0736			13C-2,3,4,6,7,8-HxCDF	66.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.122			13C-1,2,3,7,8,9-HxCDF	63.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.106		13C-1,2,3,4,6,7,8-HpCDF	54.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		0.131		13C-1,2,3,4,7,8,9-HpCDF	55.7	26 - 138	
OCDF	ND		0.343		13C-OCDF	42.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	68.3	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 0.000759			
TOTALS								
Total TCDD	ND	0.138						
Total PeCDD	ND	0.163						
Total HxCDD	ND	0.156						
Total HpCDD	ND		0.256					
Total TCDF	ND	0.0908						
Total PeCDF	ND		0.127					
Total HxCDF	ND	0.122						
Total HpCDF	ND		0.238					

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: B0E0150 Date Extracted: 20-May-2020 5:59		Lab Sample: B0E0150-BS1 Date Analyzed: 08-Jun-20 12:28 Column: ZB-5MS			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	18.8	20.0	94.2	67 - 158	IS 13C-2,3,7,8-TCDD	31.7	20 - 175
1,2,3,7,8-PeCDD	99.8	100	99.8	70 - 142	13C-1,2,3,7,8-PeCDD	40.6	21 - 227
1,2,3,4,7,8-HxCDD	101	100	101	70 - 164	13C-1,2,3,4,7,8-HxCDD	44.1	21 - 193
1,2,3,6,7,8-HxCDD	103	100	103	76 - 134	13C-1,2,3,6,7,8-HxCDD	45.8	25 - 163
1,2,3,7,8,9-HxCDD	103	100	103	64 - 162	13C-1,2,3,7,8,9-HxCDD	56.1	21 - 193
1,2,3,4,6,7,8-HpCDD	107	100	107	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	57.3	26 - 166
OCDD	197	200	98.4	78 - 144	13C-OCDD	55.4	13 - 199
2,3,7,8-TCDF	19.6	20.0	97.8	75 - 158	13C-2,3,7,8-TCDF	28.7	22 - 152
1,2,3,7,8-PeCDF	102	100	102	80 - 134	13C-1,2,3,7,8-PeCDF	37.8	21 - 192
2,3,4,7,8-PeCDF	102	100	102	68 - 160	13C-2,3,4,7,8-PeCDF	36.6	13 - 328
1,2,3,4,7,8-HxCDF	105	100	105	72 - 134	13C-1,2,3,4,7,8-HxCDF	45.6	19 - 202
1,2,3,6,7,8-HxCDF	107	100	107	84 - 130	13C-1,2,3,6,7,8-HxCDF	49.7	21 - 159
2,3,4,6,7,8-HxCDF	102	100	102	70 - 156	13C-2,3,4,6,7,8-HxCDF	58.1	22 - 176
1,2,3,7,8,9-HxCDF	106	100	106	78 - 130	13C-1,2,3,7,8,9-HxCDF	48.6	17 - 205
1,2,3,4,6,7,8-HpCDF	107	100	107	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	61.1	21 - 158
1,2,3,4,7,8,9-HpCDF	108	100	108	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	52.8	20 - 186
OCDF	210	200	105	63 - 170	13C-OCDF	55.1	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	34.6	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-094SC-B-00-02-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-03 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 17.0 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 13:15	% Solids: 59.6	Date Analyzed : 08-Jun-20 16:22 Column: ZB-5MS 11-Jun-20 17:03 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.795				IS 13C-2,3,7,8-TCDD	86.9	25 - 164	
1,2,3,7,8-PeCDD	0.750			J	13C-1,2,3,7,8-PeCDD	84.6	25 - 181	
1,2,3,4,7,8-HxCDD	0.661			J	13C-1,2,3,4,7,8-HxCDD	72.6	32 - 141	
1,2,3,6,7,8-HxCDD	3.86				13C-1,2,3,6,7,8-HxCDD	74.7	28 - 130	
1,2,3,7,8,9-HxCDD	1.62			J	13C-1,2,3,7,8,9-HxCDD	71.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	99.1				13C-1,2,3,4,6,7,8-HpCDD	65.7	23 - 140	
OCDD	1270			B	13C-OCDD	52.6	17 - 157	
2,3,7,8-TCDF	64.4				13C-2,3,7,8-TCDF	88.2	24 - 169	
1,2,3,7,8-PeCDF	66.6				13C-1,2,3,7,8-PeCDF	93.6	24 - 185	
2,3,4,7,8-PeCDF	24.2				13C-2,3,4,7,8-PeCDF	90.2	21 - 178	
1,2,3,4,7,8-HxCDF	103				13C-1,2,3,4,7,8-HxCDF	80.2	26 - 152	
1,2,3,6,7,8-HxCDF	28.8				13C-1,2,3,6,7,8-HxCDF	84.2	26 - 123	
2,3,4,6,7,8-HxCDF	7.21				13C-2,3,4,6,7,8-HxCDF	80.6	28 - 136	
1,2,3,7,8,9-HxCDF	9.41				13C-1,2,3,7,8,9-HxCDF	75.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	54.1				13C-1,2,3,4,6,7,8-HpCDF	70.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	19.5				13C-1,2,3,4,7,8,9-HpCDF	70.2	26 - 138	
OCDF	132				13C-OCDF	54.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

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

TEQMinWHO2005Dioxin 34.8

TOTALS		
Total TCDD	8.71	9.52
Total PeCDD	8.06	10.4
Total HxCDD	48.5	
Total HpCDD	255	
Total TCDF	187	195
Total PeCDF	202	
Total HxCDF	212	
Total HpCDF	166	

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-094SC-B-02-05-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-04 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 15.8 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 13:15	% Solids: 64.0	Date Analyzed : 08-Jun-20 17:08 Column: ZB-5MS 11-Jun-20 17:35 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0840			IS 13C-2,3,7,8-TCDD	85.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.112			13C-1,2,3,7,8-PeCDD	93.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.186			13C-1,2,3,4,7,8-HxCDD	80.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND		0.708		13C-1,2,3,6,7,8-HxCDD	81.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.270		13C-1,2,3,7,8,9-HxCDD	77.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	53.5				13C-1,2,3,4,6,7,8-HpCDD	81.2	23 - 140	
OCDD	537			B	13C-OCDD	65.1	17 - 157	
2,3,7,8-TCDF	7.50				13C-2,3,7,8-TCDF	80.6	24 - 169	
1,2,3,7,8-PeCDF	10.5				13C-1,2,3,7,8-PeCDF	95.0	24 - 185	
2,3,4,7,8-PeCDF	4.84				13C-2,3,4,7,8-PeCDF	94.0	21 - 178	
1,2,3,4,7,8-HxCDF	16.9				13C-1,2,3,4,7,8-HxCDF	88.6	26 - 152	
1,2,3,6,7,8-HxCDF	4.56				13C-1,2,3,6,7,8-HxCDF	89.0	26 - 123	
2,3,4,6,7,8-HxCDF	1.22			J	13C-2,3,4,6,7,8-HxCDF	90.4	28 - 136	
1,2,3,7,8,9-HxCDF	0.924			J	13C-1,2,3,7,8,9-HxCDF	85.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	14.6				13C-1,2,3,4,6,7,8-HpCDF	82.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.05				13C-1,2,3,4,7,8,9-HpCDF	84.5	26 - 138	
OCDF	28.3				13C-OCDF	67.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	94.8	35 - 197	

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

TEQMinWHO2005Dioxin 5.76

TOTALS		
Total TCDD	0.479	
Total PeCDD	0.753	
Total HxCDD	9.35	10.3
Total HpCDD	121	
Total TCDF	22.5	22.9
Total PeCDF	33.0	
Total HxCDF	34.6	34.8
Total HpCDF	36.9	

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-094SC-B-05-07-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-05 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 14.5 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 13:15	% Solids: 71.1	Date Analyzed : 08-Jun-20 17:54 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0908			IS 13C-2,3,7,8-TCDD	93.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.138			13C-1,2,3,7,8-PeCDD	99.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.129			13C-1,2,3,4,7,8-HxCDD	83.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.133			13C-1,2,3,6,7,8-HxCDD	79.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.158			13C-1,2,3,7,8,9-HxCDD	80.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.40			J	13C-1,2,3,4,6,7,8-HpCDD	72.6	23 - 140	
OCDD	10.7			B	13C-OCDD	62.2	17 - 157	
2,3,7,8-TCDF	ND	0.0585			13C-2,3,7,8-TCDF	84.8	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0709			13C-1,2,3,7,8-PeCDF	99.7	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0644			13C-2,3,4,7,8-PeCDF	101	21 - 178	
1,2,3,4,7,8-HxCDF	0.129			J	13C-1,2,3,4,7,8-HxCDF	90.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0540			13C-1,2,3,6,7,8-HxCDF	92.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0616			13C-2,3,4,6,7,8-HxCDF	91.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0983			13C-1,2,3,7,8,9-HxCDF	84.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.134			13C-1,2,3,4,6,7,8-HpCDF	82.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.147			13C-1,2,3,4,7,8,9-HpCDF	80.6	26 - 138	
OCDF	ND		0.251		13C-OCDF	63.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	102	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0301

TOTALS								
Total TCDD	ND		0.494					
Total PeCDD	0.413							
Total HxCDD	1.65							
Total HpCDD	3.81							
Total TCDF	ND		0.166					
Total PeCDF	ND	0.0709						
Total HxCDF	0.129							
Total HpCDF	ND	0.147						

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-096SC-B-00-02-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-06 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.7 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 10:15	% Solids: 60.6	Date Analyzed : 08-Jun-20 18:40 Column: ZB-5MS 11-Jun-20 18:07 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.456		IS 13C-2,3,7,8-TCDD	86.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.455			13C-1,2,3,7,8-PeCDD	88.3	25 - 181	
1,2,3,4,7,8-HxCDD	1.22			J	13C-1,2,3,4,7,8-HxCDD	73.1	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.293			13C-1,2,3,6,7,8-HxCDD	70.8	28 - 130	
1,2,3,7,8,9-HxCDD	0.666			J	13C-1,2,3,7,8,9-HxCDD	70.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	28.0				13C-1,2,3,4,6,7,8-HpCDD	67.4	23 - 140	
OCDD	381			B	13C-OCDD	55.6	17 - 157	
2,3,7,8-TCDF	8.32				13C-2,3,7,8-TCDF	84.1	24 - 169	
1,2,3,7,8-PeCDF	7.69				13C-1,2,3,7,8-PeCDF	91.9	24 - 185	
2,3,4,7,8-PeCDF	3.66				13C-2,3,4,7,8-PeCDF	93.4	21 - 178	
1,2,3,4,7,8-HxCDF	10.7				13C-1,2,3,4,7,8-HxCDF	78.9	26 - 152	
1,2,3,6,7,8-HxCDF	3.58				13C-1,2,3,6,7,8-HxCDF	83.7	26 - 123	
2,3,4,6,7,8-HxCDF	1.29			J	13C-2,3,4,6,7,8-HxCDF	80.8	28 - 136	
1,2,3,7,8,9-HxCDF	0.854			J	13C-1,2,3,7,8,9-HxCDF	76.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	14.1				13C-1,2,3,4,6,7,8-HpCDF	72.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.51				13C-1,2,3,4,7,8,9-HpCDF	71.4	26 - 138	
OCDF	28.8				13C-OCDF	58.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	103	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 4.56

TOTALS								
Total TCDD	1.95		2.97					
Total PeCDD	1.40		2.18					
Total HxCDD	12.9							
Total HpCDD	72.7							
Total TCDF	30.2		31.2	P				
Total PeCDF	31.2		31.6	P				
Total HxCDF	32.9		33.0					
Total HpCDF	43.0							

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

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

Sample ID: PDI-096SC-B-02-05-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-07 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.0 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 10:15	% Solids: 62.6	Date Analyzed : 08-Jun-20 19:26 Column: ZB-5MS 11-Jun-20 18:38 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0975			IS 13C-2,3,7,8-TCDD	89.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.113			13C-1,2,3,7,8-PeCDD	93.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.184			13C-1,2,3,4,7,8-HxCDD	83.7	32 - 141	
1,2,3,6,7,8-HxCDD	0.552			J	13C-1,2,3,6,7,8-HxCDD	79.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.205			13C-1,2,3,7,8,9-HxCDD	79.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	27.5				13C-1,2,3,4,6,7,8-HpCDD	82.6	23 - 140	
OCDD	275			B	13C-OCDD	65.5	17 - 157	
2,3,7,8-TCDF	12.5				13C-2,3,7,8-TCDF	83.2	24 - 169	
1,2,3,7,8-PeCDF	14.7				13C-1,2,3,7,8-PeCDF	96.3	24 - 185	
2,3,4,7,8-PeCDF	7.12				13C-2,3,4,7,8-PeCDF	95.0	21 - 178	
1,2,3,4,7,8-HxCDF	22.9				13C-1,2,3,4,7,8-HxCDF	87.2	26 - 152	
1,2,3,6,7,8-HxCDF	5.55				13C-1,2,3,6,7,8-HxCDF	90.9	26 - 123	
2,3,4,6,7,8-HxCDF	1.57			J	13C-2,3,4,6,7,8-HxCDF	89.8	28 - 136	
1,2,3,7,8,9-HxCDF	2.06			J	13C-1,2,3,7,8,9-HxCDF	85.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	11.8				13C-1,2,3,4,6,7,8-HpCDF	82.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.64				13C-1,2,3,4,7,8,9-HpCDF	85.6	26 - 138	
OCDF	19.7				13C-OCDF	66.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 7.61

TOTALS			
Total TCDD	0.480		
Total PeCDD	0.332	0.649	
Total HxCDD	6.85		
Total HpCDD	66.2		
Total TCDF	35.5	38.1	
Total PeCDF	44.3		
Total HxCDF	40.6	41.3	
Total HpCDF	28.7		

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-096SC-B-05-07-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-08 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 15.7 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 10:15	% Solids: 64.4	Date Analyzed : 08-Jun-20 20:13 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.111			IS 13C-2,3,7,8-TCDD	86.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.140			13C-1,2,3,7,8-PeCDD	93.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0976			13C-1,2,3,4,7,8-HxCDD	83.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0986			13C-1,2,3,6,7,8-HxCDD	79.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.105			13C-1,2,3,7,8,9-HxCDD	82.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.22			J	13C-1,2,3,4,6,7,8-HpCDD	74.5	23 - 140	
OCDD	10.6			B	13C-OCDD	61.5	17 - 157	
2,3,7,8-TCDF	ND	0.0687			13C-2,3,7,8-TCDF	78.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.104			13C-1,2,3,7,8-PeCDF	94.1	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0883			13C-2,3,4,7,8-PeCDF	94.9	21 - 178	
1,2,3,4,7,8-HxCDF	0.166			J	13C-1,2,3,4,7,8-HxCDF	87.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0631			13C-1,2,3,6,7,8-HxCDF	92.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0666			13C-2,3,4,6,7,8-HxCDF	92.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.108			13C-1,2,3,7,8,9-HxCDF	87.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0867			13C-1,2,3,4,6,7,8-HpCDF	83.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.103			13C-1,2,3,4,7,8,9-HpCDF	83.0	26 - 138	
OCDF	ND		0.315		13C-OCDF	63.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	97.8	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0320

TOTALS								
Total TCDD	0.524							
Total PeCDD	ND		0.378					
Total HxCDD	1.10		1.53					
Total HpCDD	3.61							
Total TCDF	0.209							
Total PeCDF	ND	0.104						
Total HxCDF	0.166							
Total HpCDF	ND	0.103						

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-096SG-00-01-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-09 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 15.7 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 10:31	% Solids: 64.4	Date Analyzed : 08-Jun-20 20:59 Column: ZB-5MS 11-Jun-20 19:10 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.537		IS 13C-2,3,7,8-TCDD	89.0	25 - 164	
1,2,3,7,8-PeCDD	0.518			J	13C-1,2,3,7,8-PeCDD	90.0	25 - 181	
1,2,3,4,7,8-HxCDD	0.480			J	13C-1,2,3,4,7,8-HxCDD	77.6	32 - 141	
1,2,3,6,7,8-HxCDD	2.31			J	13C-1,2,3,6,7,8-HxCDD	74.5	28 - 130	
1,2,3,7,8,9-HxCDD	1.13			J	13C-1,2,3,7,8,9-HxCDD	74.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	57.4				13C-1,2,3,4,6,7,8-HpCDD	76.8	23 - 140	
OCDD	779			B	13C-OCDD	67.6	17 - 157	
2,3,7,8-TCDF	34.2				13C-2,3,7,8-TCDF	89.2	24 - 169	
1,2,3,7,8-PeCDF	49.2				13C-1,2,3,7,8-PeCDF	91.5	24 - 185	
2,3,4,7,8-PeCDF	16.9				13C-2,3,4,7,8-PeCDF	90.9	21 - 178	
1,2,3,4,7,8-HxCDF	91.3				13C-1,2,3,4,7,8-HxCDF	84.4	26 - 152	
1,2,3,6,7,8-HxCDF	24.5				13C-1,2,3,6,7,8-HxCDF	86.3	26 - 123	
2,3,4,6,7,8-HxCDF	4.80				13C-2,3,4,6,7,8-HxCDF	84.9	28 - 136	
1,2,3,7,8,9-HxCDF	6.94				13C-1,2,3,7,8,9-HxCDF	79.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	47.4				13C-1,2,3,4,6,7,8-HpCDF	79.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	15.1				13C-1,2,3,4,7,8,9-HpCDF	83.0	26 - 138	
OCDF	91.9				13C-OCDF	69.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	99.9	35 - 197	

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

TEQMinWHO2005Dioxin 25.1

TOTALS			
Total TCDD	2.88		4.25
Total PeCDD	4.55		4.89
Total HxCDD	22.7		
Total HpCDD	135		
Total TCDF	107		P
Total PeCDF	126		128
Total HxCDF	162		163
Total HpCDF	117		

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-098SC-B-00-02-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-10 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.6 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 8:45	% Solids: 60.8	Date Analyzed : 08-Jun-20 21:45 Column: ZB-5MS 11-Jun-20 19:42 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.909				IS 13C-2,3,7,8-TCDD	90.3	25 - 164	
1,2,3,7,8-PeCDD	1.21			J	13C-1,2,3,7,8-PeCDD	86.1	25 - 181	
1,2,3,4,7,8-HxCDD	0.984			J	13C-1,2,3,4,7,8-HxCDD	79.2	32 - 141	
1,2,3,6,7,8-HxCDD	6.19				13C-1,2,3,6,7,8-HxCDD	75.2	28 - 130	
1,2,3,7,8,9-HxCDD	2.90				13C-1,2,3,7,8,9-HxCDD	77.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	128				13C-1,2,3,4,6,7,8-HpCDD	75.0	23 - 140	
OCDD	1410			B	13C-OCDD	68.0	17 - 157	
2,3,7,8-TCDF	36.0				13C-2,3,7,8-TCDF	84.0	24 - 169	
1,2,3,7,8-PeCDF	47.0				13C-1,2,3,7,8-PeCDF	86.6	24 - 185	
2,3,4,7,8-PeCDF	14.8				13C-2,3,4,7,8-PeCDF	87.6	21 - 178	
1,2,3,4,7,8-HxCDF	88.4				13C-1,2,3,4,7,8-HxCDF	84.6	26 - 152	
1,2,3,6,7,8-HxCDF	22.1				13C-1,2,3,6,7,8-HxCDF	83.2	26 - 123	
2,3,4,6,7,8-HxCDF	4.66				13C-2,3,4,6,7,8-HxCDF	85.3	28 - 136	
1,2,3,7,8,9-HxCDF	6.62				13C-1,2,3,7,8,9-HxCDF	82.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	46.7				13C-1,2,3,4,6,7,8-HpCDF	84.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	14.1				13C-1,2,3,4,7,8,9-HpCDF	81.5	26 - 138	
OCDF	92.4				13C-OCDF	74.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	99.1	35 - 197	

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

TEQMinWHO2005Dioxin 27.1

TOTALS		
Total TCDD	5.87	6.58
Total PeCDD	7.31	9.44
Total HxCDD	54.6	
Total HpCDD	288	
Total TCDF	109	113
Total PeCDF	126	
Total HxCDF	167	
Total HpCDF	126	127

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-098SC-B-02-05-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-11 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 16.6 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 8:45	% Solids: 60.6	Date Analyzed : 08-Jun-20 22:31 Column: ZB-5MS 11-Jun-20 20:13 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.570		IS 13C-2,3,7,8-TCDD	92.7	25 - 164	
1,2,3,7,8-PeCDD	0.602			J	13C-1,2,3,7,8-PeCDD	99.3	25 - 181	
1,2,3,4,7,8-HxCDD	0.500			J	13C-1,2,3,4,7,8-HxCDD	83.9	32 - 141	
1,2,3,6,7,8-HxCDD	2.82				13C-1,2,3,6,7,8-HxCDD	82.7	28 - 130	
1,2,3,7,8,9-HxCDD	1.34			J	13C-1,2,3,7,8,9-HxCDD	80.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	62.4				13C-1,2,3,4,6,7,8-HpCDD	90.1	23 - 140	
OCDD	772			B	13C-OCDD	73.8	17 - 157	
2,3,7,8-TCDF	62.8				13C-2,3,7,8-TCDF	91.8	24 - 169	
1,2,3,7,8-PeCDF	80.8				13C-1,2,3,7,8-PeCDF	93.6	24 - 185	
2,3,4,7,8-PeCDF	29.0				13C-2,3,4,7,8-PeCDF	96.3	21 - 178	
1,2,3,4,7,8-HxCDF	201				13C-1,2,3,4,7,8-HxCDF	90.5	26 - 152	
1,2,3,6,7,8-HxCDF	37.1				13C-1,2,3,6,7,8-HxCDF	90.2	26 - 123	
2,3,4,6,7,8-HxCDF	6.53				13C-2,3,4,6,7,8-HxCDF	93.7	28 - 136	
1,2,3,7,8,9-HxCDF	6.84				13C-1,2,3,7,8,9-HxCDF	89.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	85.3				13C-1,2,3,4,6,7,8-HpCDF	88.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	33.0				13C-1,2,3,4,7,8,9-HpCDF	89.9	26 - 138	
OCDF	153				13C-OCDF	75.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	102	35 - 197	

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

TEQMinWHO2005Dioxin 45.7

TOTALS		
Total TCDD	4.64	6.21
Total PeCDD	5.51	6.51
Total HxCDD	28.5	29.2
Total HpCDD	141	
Total TCDF	189	195
Total PeCDF	208	
Total HxCDF	300	
Total HpCDF	185	

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-098SC-B-02-05-200507	QC Batch: B0E0150	Lab Sample: B0E0150-DUP1
Source LabNumber: 2001037-11	Date Extracted: 20-May-2020 5:59	Date Analyzed: 08-Jun-20 23:17 Column: ZB-5MS
Matrix: Solid		11-Jun-20 16:31 Column: ZB-5MS
Sample Size: 16.7 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.694				IS 13C-2,3,7,8-TCDD	100	25 - 164	
1,2,3,7,8-PeCDD	0.618			J	13C-1,2,3,7,8-PeCDD	100	25 - 181	
1,2,3,4,7,8-HxCDD	0.677			J	13C-1,2,3,4,7,8-HxCDD	81.6	32 - 141	
1,2,3,6,7,8-HxCDD	3.25				13C-1,2,3,6,7,8-HxCDD	79.6	28 - 130	
1,2,3,7,8,9-HxCDD	1.48			J	13C-1,2,3,7,8,9-HxCDD	78.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	65.1				13C-1,2,3,4,6,7,8-HpCDD	82.0	23 - 140	
OCDD	761			B	13C-OCDD	67.1	17 - 157	
2,3,7,8-TCDF	84.9				13C-2,3,7,8-TCDF	92.6	24 - 169	
1,2,3,7,8-PeCDF	109				13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	35.8				13C-2,3,4,7,8-PeCDF	102	21 - 178	
1,2,3,4,7,8-HxCDF	181				13C-1,2,3,4,7,8-HxCDF	91.0	26 - 152	
1,2,3,6,7,8-HxCDF	45.8				13C-1,2,3,6,7,8-HxCDF	91.7	26 - 123	
2,3,4,6,7,8-HxCDF	8.91				13C-2,3,4,6,7,8-HxCDF	90.2	28 - 136	
1,2,3,7,8,9-HxCDF	12.4				13C-1,2,3,7,8,9-HxCDF	89.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	67.4				13C-1,2,3,4,6,7,8-HpCDF	82.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	29.4				13C-1,2,3,4,7,8,9-HpCDF	92.1	26 - 138	
OCDF	136				13C-OCDF	70.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	110	35 - 197	

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

TEQMinWHO2005Dioxin 51.1

TOTALS		
Total TCDD	5.58	6.28
Total PeCDD	7.38	7.80
Total HxCDD	34.8	
Total HpCDD	148	
Total TCDF	230	231
Total PeCDF	263	266
Total HxCDF	305	
Total HpCDF	164	

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: PDI-098SC-B-02-05-200507					Duplicate Lab Sample: B0E0150-DUP1				
Source LabNumber: 2001037-11									
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	0.694	ND	#	25	IS 13C-2,3,7,8-TCDD	100	92.7	25 - 164	
1,2,3,7,8-PeCDD	0.618	0.602	2.66	25	13C-1,2,3,7,8-PeCDD	100	99.3	25 - 181	
1,2,3,4,7,8-HxCDD	0.677	0.500	30.2	25	13C-1,2,3,4,7,8-HxCDD	81.6	83.9	32 - 141	
1,2,3,6,7,8-HxCDD	3.25	2.82	14.3	25	13C-1,2,3,6,7,8-HxCDD	79.6	82.7	28 - 130	
1,2,3,7,8,9-HxCDD	1.48	1.34	9.74	25	13C-1,2,3,7,8,9-HxCDD	78.9	80.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	65.1	62.4	4.16	25	13C-1,2,3,4,6,7,8-HpCDD	82.0	90.1	23 - 140	
OCDD	761	772	1.40	25	13C-OCDD	67.1	73.8	17 - 157	
2,3,7,8-TCDF	84.9	62.8	29.9	25	13C-2,3,7,8-TCDF	92.6	91.8	24 - 169	
1,2,3,7,8-PeCDF	109	80.8	29.3	25	13C-1,2,3,7,8-PeCDF	102	93.6	24 - 185	
2,3,4,7,8-PeCDF	35.8	29.0	20.8	25	13C-2,3,4,7,8-PeCDF	102	96.3	21 - 178	
1,2,3,4,7,8-HxCDF	181	201	10.7	25	13C-1,2,3,4,7,8-HxCDF	91.0	90.5	26 - 152	
1,2,3,6,7,8-HxCDF	45.8	37.1	20.8	25	13C-1,2,3,6,7,8-HxCDF	91.7	90.2	26 - 123	
2,3,4,6,7,8-HxCDF	8.91	6.53	30.8	25	13C-2,3,4,6,7,8-HxCDF	90.2	93.7	28 - 136	
1,2,3,7,8,9-HxCDF	12.4	6.84	57.6	25	13C-1,2,3,7,8,9-HxCDF	89.7	89.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	67.4	85.3	23.4	25	13C-1,2,3,4,6,7,8-HpCDF	82.9	88.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	29.4	33.0	11.6	25	13C-1,2,3,4,7,8,9-HpCDF	92.1	89.9	26 - 138	
OCDF	136	153	11.7	25	13C-OCDF	70.9	75.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	110	102	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-098SC-B-05-07-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-12 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 15.8 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 8:45	% Solids: 63.4	Date Analyzed : 09-Jun-20 02:31 Column: ZB-5MS 11-Jun-20 20:45 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.605		IS 13C-2,3,7,8-TCDD	86.1	25 - 164	
1,2,3,7,8-PeCDD	0.729			J	13C-1,2,3,7,8-PeCDD	91.0	25 - 181	
1,2,3,4,7,8-HxCDD	0.665			J	13C-1,2,3,4,7,8-HxCDD	79.3	32 - 141	
1,2,3,6,7,8-HxCDD	3.30				13C-1,2,3,6,7,8-HxCDD	78.7	28 - 130	
1,2,3,7,8,9-HxCDD	1.81			J	13C-1,2,3,7,8,9-HxCDD	77.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	80.0				13C-1,2,3,4,6,7,8-HpCDD	78.9	23 - 140	
OCDD	1060			B	13C-OCDD	69.0	17 - 157	
2,3,7,8-TCDF	116				13C-2,3,7,8-TCDF	78.8	24 - 169	
1,2,3,7,8-PeCDF	156				13C-1,2,3,7,8-PeCDF	94.9	24 - 185	
2,3,4,7,8-PeCDF	65.9				13C-2,3,4,7,8-PeCDF	94.3	21 - 178	
1,2,3,4,7,8-HxCDF	190				13C-1,2,3,4,7,8-HxCDF	89.1	26 - 152	
1,2,3,6,7,8-HxCDF	53.2				13C-1,2,3,6,7,8-HxCDF	90.5	26 - 123	
2,3,4,6,7,8-HxCDF	12.2				13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136	
1,2,3,7,8,9-HxCDF	13.2				13C-1,2,3,7,8,9-HxCDF	84.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	83.3				13C-1,2,3,4,6,7,8-HpCDF	81.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	28.2				13C-1,2,3,4,7,8,9-HpCDF	81.4	26 - 138	
OCDF	140				13C-OCDF	72.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	96.6	35 - 197	

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

TEQMinWHO2005Dioxin 66.5

TOTALS		
Total TCDD	7.72	8.48
Total PeCDD	7.07	8.83
Total HxCDD	33.6	
Total HpCDD	191	
Total TCDF	367	381
Total PeCDF	436	
Total HxCDF	361	
Total HpCDF	224	

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-1098SC-B-05-07-200507

EPA Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2001037-13	Date Received:	12-May-2020 9:50
Project:	Gasco PDI	Sample Size:	15.9 g	QC Batch:	B0E0150	Date Extracted:	20-May-2020 5:59
Date Collected:	07-May-2020 8:45	% Solids:	63.0	Date Analyzed :	09-Jun-20 03:18	Column:	ZB-5MS
					11-Jun-20 21:17	Column:	DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.812				IS 13C-2,3,7,8-TCDD	99.5	25 - 164	
1,2,3,7,8-PeCDD	0.850			J	13C-1,2,3,7,8-PeCDD	98.9	25 - 181	
1,2,3,4,7,8-HxCDD	1.06			J	13C-1,2,3,4,7,8-HxCDD	88.9	32 - 141	
1,2,3,6,7,8-HxCDD	4.39				13C-1,2,3,6,7,8-HxCDD	88.0	28 - 130	
1,2,3,7,8,9-HxCDD	2.29			J	13C-1,2,3,7,8,9-HxCDD	86.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	124				13C-1,2,3,4,6,7,8-HpCDD	90.4	23 - 140	
OCDD	1640			B	13C-OCDD	82.2	17 - 157	
2,3,7,8-TCDF	165				13C-2,3,7,8-TCDF	92.1	24 - 169	
1,2,3,7,8-PeCDF	231				13C-1,2,3,7,8-PeCDF	105	24 - 185	
2,3,4,7,8-PeCDF	104				13C-2,3,4,7,8-PeCDF	103	21 - 178	
1,2,3,4,7,8-HxCDF	312				13C-1,2,3,4,7,8-HxCDF	98.3	26 - 152	
1,2,3,6,7,8-HxCDF	85.3				13C-1,2,3,6,7,8-HxCDF	97.6	26 - 123	
2,3,4,6,7,8-HxCDF	19.7				13C-2,3,4,6,7,8-HxCDF	99.0	28 - 136	
1,2,3,7,8,9-HxCDF	17.7				13C-1,2,3,7,8,9-HxCDF	100	29 - 147	
1,2,3,4,6,7,8-HpCDF	127				13C-1,2,3,4,6,7,8-HpCDF	98.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	43.6				13C-1,2,3,4,7,8,9-HpCDF	95.9	26 - 138	
OCDF	208				13C-OCDF	82.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	103	35 - 197	

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

TEQMinWHO2005Dioxin 104

TOTALS			
Total TCDD	9.40		
Total PeCDD	10.9	11.2	
Total HxCDD	44.3	44.7	
Total HpCDD	298		
Total TCDF	532		
Total PeCDF	652		
Total HxCDF	570		
Total HpCDF	333		

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-098SG-00-01-200507 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2001037-14 Date Received: 12-May-2020 9:50
Project: Gasco PDI	Sample Size: 15.0 g	QC Batch: B0E0150 Date Extracted: 20-May-2020 5:59
Date Collected: 07-May-2020 9:29	% Solids: 67.1	Date Analyzed : 09-Jun-20 04:04 Column: ZB-5MS 11-Jun-20 21:49 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.162		IS 13C-2,3,7,8-TCDD	99.1	25 - 164	
1,2,3,7,8-PeCDD	0.193			J	13C-1,2,3,7,8-PeCDD	95.6	25 - 181	
1,2,3,4,7,8-HxCDD	0.243			J	13C-1,2,3,4,7,8-HxCDD	82.4	32 - 141	
1,2,3,6,7,8-HxCDD	1.03			J	13C-1,2,3,6,7,8-HxCDD	79.3	28 - 130	
1,2,3,7,8,9-HxCDD	0.577			J	13C-1,2,3,7,8,9-HxCDD	80.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	29.5				13C-1,2,3,4,6,7,8-HpCDD	76.6	23 - 140	
OCDD	329			B	13C-OCDD	66.1	17 - 157	
2,3,7,8-TCDF	15.3				13C-2,3,7,8-TCDF	94.3	24 - 169	
1,2,3,7,8-PeCDF	10.9				13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	5.27				13C-2,3,4,7,8-PeCDF	99.6	21 - 178	
1,2,3,4,7,8-HxCDF	18.2				13C-1,2,3,4,7,8-HxCDF	89.5	26 - 152	
1,2,3,6,7,8-HxCDF	4.88				13C-1,2,3,6,7,8-HxCDF	90.2	26 - 123	
2,3,4,6,7,8-HxCDF	1.20			J	13C-2,3,4,6,7,8-HxCDF	90.5	28 - 136	
1,2,3,7,8,9-HxCDF	0.654			J	13C-1,2,3,7,8,9-HxCDF	90.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	9.80				13C-1,2,3,4,6,7,8-HpCDF	90.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.81				13C-1,2,3,4,7,8,9-HpCDF	79.9	26 - 138	
OCDF	18.9				13C-OCDF	69.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	103	35 - 197	

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

TEQMinWHO2005Dioxin 6.83

TOTALS				
Total TCDD	125			
Total PeCDD	2.81	3.27		
Total HxCDD	14.0			
Total HpCDD	112			
Total TCDF	44.3	49.1		
Total PeCDF	30.3	31.2	P	
Total HxCDF	32.5	33.2		
Total HpCDF	23.1			

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

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

DATA QUALIFIERS & ABBREVIATIONS

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

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

Vista Analytical Laboratory Certifications

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

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

NELAP Accredited Test Methods

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

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

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

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

1.1°C 3.7°C 8.6°C
2.001037

COC ID: VISTA-20200507-145042
Sample Custodian: SN
Lab: VISTA

POC: Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225
Project: Gasco PDI
Client: NW Natural

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-FB-2005071044	FB	WQ	05/07/2020	10:44	4	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								PCB Congeners *	E1668A	30	4°C
002	PDI-RB-2005071052	RB	WQ	05/07/2020	10:52	4	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								PCB Congeners *	E1668A	30	4°C
003	PDI-094SC-B-00-02-200507	N	SE	05/07/2020	13:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	PDI-094SC-B-02-05-200507	N	SE	05/07/2020	13:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
005	PDI-094SC-B-05-07-200507	N	SE	05/07/2020	13:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
006	PDI-096SC-B-00-02-200507	N	SE	05/07/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
007	PDI-096SC-B-02-05-200507	N	SE	05/07/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
008	PDI-096SC-B-05-07-200507	N	SE	05/07/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment: * samples with PCB Congeners test requested are work order 2001037

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: [Signature]	Signature: [Signature]	Signature:	Signature:	Signature:	Signature:
Print Name: [Name]	Print Name: [Name]	Print Name:	Print Name:	Print Name:	Print Name:
Company: [Company]	Company: [Company]	Company:	Company:	Company:	Company:
Date/Time: [Date/Time]	Date/Time: [Date/Time]	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

8.6°C
3.7°C
1.1°C

COC ID:

VISTA-20200507-145042

POC: Delaney Peterson (360-715-2707)

Project: Gasco PDI

2001037

Sample Custodian:

SN

1605 Cornwall Avenue, Bellingham, WA 98225

Client: NW Natural

Lab:

VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
008	PDI-096SC-B-05-07-200507	N	SE	05/07/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
009	PDI-096SG-00-01-200507	N	SE	05/07/2020	10:31	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								PCB Congeners *	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
010	PDI-098SC-B-00-02-200507	N	SE	05/07/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
011	PDI-098SC-B-02-05-200507	N	SE	05/07/2020	8:45	2	<input checked="" type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
012	PDI-098SC-B-05-07-200507	N	SE	05/07/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
013	PDI-1098SC-B-05-07-200507	FD	SE	05/07/2020		1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
014	PDI-098SG-00-01-200507	N	SE	05/07/2020	9:29	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								PCB Congeners *	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

Sample Log-In Checklist

 Page # 1 of 3

 Vista Work Order #: 2001037

 TAT Std

Samples Arrival:	Date/Time <u>5/12/20 09:50</u>		Initials: <u>WVW</u>		Location: <u>WR-2</u>	
					Shelf/Rack: <u>NA</u>	
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
Preservation:	<input checked="" type="checkbox"/> Ice		<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Dry Ice	
Temp °C:	<u>1.1</u> (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N			Thermometer ID: <u>IR-3</u>	
Temp °C:	<u>1.1</u> (corrected)					

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Airbill <u>1 of 3</u> Trk # <u>7704 3701 0792</u>	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" 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"/>		
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Logged In:	Date/Time <u>05/12/20 1502</u>		Initials: <u>WVW</u>
			Location: <u>WR-2</u>
			Shelf/Rack: <u>G-2</u>
COC Anomaly/Sample Acceptance Form completed?			
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

KS 05/13/20

Comments:

Sample Log-In Checklist

 Page # 2 of 3

 Vista Work Order #: 2001037

 TAT Std

Samples Arrival:	Date/Time <u>5/12/20 09:50</u>		Initials: <u>WRW</u>		Location: <u>WR-2</u>		
	Shelf/Rack: <u>NA</u>						
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice		<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Dry Ice		<input type="checkbox"/> None
Temp °C: <u>3.7</u>	<input type="checkbox"/> (uncorrected)		Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: <u>FR-3</u>		
Temp °C: <u>3.7</u>	<input checked="" type="checkbox"/> (corrected)						

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>2 of 3</u> Trk # <u>7704 3701 0244</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Holding Time Acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Logged In:	Date/Time <u>05/12/20 1502</u>		Initials: <u>WRB</u>		Location: <u>WR-2</u>		
	Shelf/Rack: <u>G-2</u>						
COC Anomaly/Sample Acceptance Form completed?				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WRB 5/12/20</u>

Comments:

Sample Log-In Checklist

 Page # 3 of 3

 Vista Work Order #: 2001037 TAT Std

Samples Arrival:	Date/Time <u>5-12-20 09:50</u>	Initials: <u>WVW</u>	Location: <u>WR-2</u>				
			Shelf/Rack: <u>NA</u>				
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac	<input type="radio"/> GLS	<input type="radio"/> DHL	<input type="radio"/> Hand Delivered	<input type="radio"/> Other
Preservation:	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice		<input type="radio"/> Dry Ice		<input type="radio"/> None	
Temp °C:	<u>8.6</u> (uncorrected)	Probe used: <input checked="" type="radio"/> Y <input type="radio"/> N			Thermometer ID: <u>DT-4</u>		
Temp °C:	<u>8.6</u> (corrected)						

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Airbill <u>3 of 3</u> Trk # <u>7704 3701 0612</u>	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Shipping Container	<input checked="" type="radio"/> Vista	<input type="radio"/> Client	<input type="radio"/> Retain
	<input type="radio"/> Return	<input type="radio"/> Dispose	
Chain of Custody / Sample Documentation Present?			<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Complete?			<input checked="" type="checkbox"/>
Holding Time Acceptable?			<input checked="" type="checkbox"/>
Logged In:	Date/Time <u>05/12/20 1502</u>	Initials: <u>BAR</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>G-2</u>
COC Anomaly/Sample Acceptance Form completed?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

KS 05/13/20

Comments:

CoC/Label Reconciliation Report WO# 2001037

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2001037-01	A PDI-FB-2005071044	C3	07-May-20 10:44	Amber Glass NM Bottle, 1L	Aqueous	
2001037-01	B PDI-FB-2005071044		07-May-20 10:44	Amber Glass NM Bottle, 1L	Aqueous	
2001037-02	A PDI-RB-2005071052		07-May-20 10:52	Amber Glass NM Bottle, 1L	Aqueous	
2001037-02	B PDI-RB-2005071052		07-May-20 10:52	Amber Glass NM Bottle, 1L	Aqueous	
2001037-03	A PDI-094SC-B-00-02-200507	C1	07-May-20 13:15	Amber Glass, 120 mL	Solid	
2001037-04	A PDI-094SC-B-02-05-200507		07-May-20 13:15	Amber Glass, 120 mL	Solid	
2001037-05	A PDI-094SC-B-05-07-200507		07-May-20 13:15	Amber Glass, 120 mL	Solid	
2001037-06	A PDI-096SC-B-00-02-200507	C2	07-May-20 10:15	Amber Glass, 120 mL	Solid	
2001037-07	A PDI-096SC-B-02-05-200507		07-May-20 10:15	Amber Glass, 120 mL	Solid	
2001037-08	A PDI-096SC-B-05-07-200507		07-May-20 10:15	Amber Glass, 120 mL	Solid	
2001037-09	A PDI-096SG-00-01-200507		07-May-20 10:31	Amber Glass, 120 mL	Solid	
2001037-10	A PDI-098SC-B-00-02-200507		07-May-20 08:45	Amber Glass, 120 mL	Solid	
2001037-11	A PDI-098SC-B-02-05-200507	C1	07-May-20 08:45	Amber Glass, 120 mL	Solid	DUP
2001037-11	B PDI-098SC-B-02-05-200507		07-May-20 08:45	Amber Glass, 120 mL	Solid	DUP
2001037-12	A PDI-098SC-B-05-07-200507		07-May-20 08:45	Amber Glass, 120 mL	Solid	
2001037-13	A PDI-1098SC-B-05-07-200507		07-May-20 08:45	Amber Glass, 120 mL	Solid	
2001037-14	A PDI-098SG-00-01-200507		07-May-20 09:29	Amber Glass, 120 mL	Solid	

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

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

Comments:

C1 = cooler 1
C2 = cooler 2
C3 = cooler 3

Verified by/Date: KS 05/13/20



ANOMALY FORM

Vista Work Order 2001037

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

- KS 05/13/20 1. The samples were received out of temperature at (WI-PHT): * 8.6
Was Ice present: Yes No Melted Blue Ice
- 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: _____
- 15. Sample(s) received broken. All or Sample Name: _____
- 16. An incorrect container-type was used. All or Sample Name: _____
- 17. Other:

* Samples "PDI-FB-2005071044" & "PDI-RB-2005071052"
in cooler 3 of 3.

Bolded items require sign-off

Client Contacted: Delaney Peterson

Date of Contact: 05/13/20

Vista Client Manager: Jade White

Resolution:

Per Delaney Peterson via email on 05/13/20, okay to proceed with analysis

EXTRACTION INFORMATION

Process Sheet

Workorder: **2001037**

Prep Expiration: 2021-05-07
Client: Anchor QEA, LLC

Workorder Due: 10-Jun-20 00:00

TAT: 29

Method: **1613 Full List**
Matrix: **Aqueous**
Client Matrix: QC Water
Also run: **Percent Solids**

Prep Batch: BOE0102

Prep Data Entered: 05/29/20 RP
Date and Initials

Initial Sequence: S0F0025

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2001037-01 A	<input checked="" type="checkbox"/>	PDI-FB-2005071044	12-May-20 09:50	WR-2 B-1	
2001037-02 I	<input checked="" type="checkbox"/>	PDI-RB-2005071052	12-May-20 09:50	WR-2 B-1	

**WO Comments: Pest - 1g extraction (dry weight). DDX, Aldrin, 5-Chlordane, Dieldrin, Lindane
Dioxin - 10g (dry weight)
PCB - 5g extraction (dry weight)
One dup required per batch of 20 samples**

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

Prep Check Out: zc 05/14/20
Prep Check In: NA

Prep Reconciled Initials/Date: zc 05/14/20
Spike Reconciled Initials/Date: MS 05/14/20
VialBoxID: Curly Fries

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 1613 Full List

B0E0102

Chemist: W

Prep Date/Time: 14-May-20 0648

Prepared using: HRMS - Separatory Funnel

VISTA Sample ID	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
B0E0102-BLK1	NA	NA	(1.00)	W 05/14/20	AZ 05/14/20	NA	AZ 05/26/20	AZ 05/26/20	AZ 05/26/20	RR 05/29/20
B0E0102-BS1	↓	↓	(1.00)	↓	↓	↓	↓	↓	↓	↓
2001037-01	1564.77	510.76	1.05401	↓	↓	↓	↓	↓	↓	↓
2001037-02	1553.35	510.96	1.04239	↓	↓	↓	↓	↓	↓	↓
2001040-01 (7)	1307.96	353.80	0.91416	↓	↓	↓	↓	↓	↓	↓

(7) W 05/14/20

IS Name <u>V3</u>	NS Name <u>V1</u>	CRS Name <u>V5</u>	RS Name <u>V6</u>	Cycle Time	APP: <u>SEFUN</u> SOX SDS	Check Out: Chemist/Date: <u>W 05/14/20</u>
PCDD/F <u>19L2301, 10 mL</u>	PCDD/F <u>18F1913, 10 mL</u>	PCDD/F <u>19S1602, 10 mL</u>	PCDD/F <u>20E0702, 10 mL</u>	Start Date/Time:	SOLV: <u>DCM</u>	Check In: Chemist/Date: <u>NA</u>
PCB _____	PCB _____	PCB _____	PCB _____	<u>NA</u>	Other <u>NA</u>	Balance ID: <u>HRMS-9</u>
PAH _____	PAH _____	PAH _____	PAH _____	Stop Date/Time:	Final Volume(s) <u>CU</u>	
				<u>NA</u>	<u>20 mL</u>	

Comments: Assume 1 g = 1 mL

- 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 Centrifuged to remove particulate
- 6 = Added boiling chips to separatory funnel
- 7 = Sample emulsed during shakeout

Analyst: JC ✓	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>RR 05/29/20</u>
Analyte: Dried at 110°C +/- 5°C	Units: %	
Oven ID: 01 ✓ 02		

Inst **HRMS-9** ✓ Date/Time IN: 05/14/20 0623 ✓ Date/Time OUT: 05/15/20 0847 ✓

Particle Size	SampleID		SampType	Initial and Date:		Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	JC 05/14/20			NA	NA	JC 05/14/20
				Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)				Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
	2001037-01	A ✓	Sample	1.2900 ✓	7.1000 ✓	1.2900 ✓	0.0000	0.00	CLEAR	0	5	NA	NA	X ✓
	2001037-02	A ↓	Sample	1.2800 ✓	7.3900 ✓	1.2800 ✓	0.0000	0.00	CLEAR	0	5	NA	NA	X ↓
	2001040-01	A ✓	Sample	1.2900 ✓	10.1000 ✓	1.4300 ✓	0.1400	1.59	CLEAR	0	7	NA	NA	X ↓

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/Percent Solids

D2216-90

BATCH ID B0E0103

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

Inst HPMS-9

Date/Time IN: 05/14/20 06:33 Date/Time OUT: 05/15/20 09:43 *4K 05/14/20 1K 05/15/2020*

Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	K 05/14/20			Sample Homogenized*
			Pan Tare Wt. (gms)						Visual Inspection	Cl-	pH Before	
	2001037-01	A	Sample	1.29	7.10	1.29	NA	clear	0	5		Y
	2001037-02	↓	Sample	1.28	7.43 7.39	1.28	NA	I	0	5		I
	2001040-01	↓	Sample	1.29	10.10	1.47	NA	I	0	7		I

*Sample homogenized in sample container unless otherwise noted.

Batch: B0E0102

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2001037-01	1.05401 ✓			20 ✓	14-May-20 06:48 ✓	JJC ✓			QC Water	1613 Full List
2001037-02	1.04239 ✓			20	14-May-20 06:48	JJC			QC Water	1613 Full List
2001040-01	0.91416 ✓	1.589103 <i>2/04/12</i>	0.0145	20	14-May-20 06:48	JJC			Receiving Water	1613 Full List
B0E0102-BLK1	1			20	14-May-20 06:48	JJC				QC
B0E0102-BS1	1			20 ✓	14-May-20 06:48 ✓	JJC ✓	18F1913 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) RE / 05/29/20

Printed: 5/29/2020 1:59:49PM
Page 1 of 1

Process Sheet
 Workorder: **2001037**

Prep Expiration: 2021-05-07
 Client: Anchor QEA, LLC

Workorder Due: **10-Jun-20 00:00**

TAT: 29

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

Prep Batch: BOE0150

Prep Data Entered: AO 05/25/20
Date and Initials

Initial Sequence: S0F0021

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2001037-03	<input checked="" type="checkbox"/>	PDI-094SC-B-00-02-200507	12-May-20 09:50	WR-2 G-2	
2001037-04	<input checked="" type="checkbox"/>	PDI-094SC-B-02-05-200507	12-May-20 09:50	WR-2 G-2	
2001037-05	<input checked="" type="checkbox"/>	PDI-094SC-B-05-07-200507	12-May-20 09:50	WR-2 G-2	
2001037-06	<input checked="" type="checkbox"/>	PDI-096SC-B-00-02-200507	12-May-20 09:50	WR-2 G-2	
2001037-07	<input checked="" type="checkbox"/>	PDI-096SC-B-02-05-200507	12-May-20 09:50	WR-2 G-2	
2001037-08	<input checked="" type="checkbox"/>	PDI-096SC-B-05-07-200507	12-May-20 09:50	WR-2 G-2	
2001037-09	<input checked="" type="checkbox"/>	PDI-096SG-00-01-200507	12-May-20 09:50	WR-2 G-2	
2001037-10	<input checked="" type="checkbox"/>	PDI-098SC-B-00-02-200507	12-May-20 09:50	WR-2 G-2	
2001037-11	<input checked="" type="checkbox"/>	PDI-098SC-B-02-05-200507	12-May-20 09:50	WR-2 G-2	DUP
2001037-12	<input checked="" type="checkbox"/>	PDI-098SC-B-05-07-200507	12-May-20 09:50	WR-2 G-2	
2001037-13	<input checked="" type="checkbox"/>	PDI-1098SC-B-05-07-200507	12-May-20 09:50	WR-2 G-2	
2001037-14	<input checked="" type="checkbox"/>	PDI-098SG-00-01-200507	12-May-20 09:50	WR-2 G-2	

WO Comments: Pest - 1g extraction (dry weight). DDX, Aldrin, 5-Chlordane, Dieldrin, Lindane
Dioxin - 10g (dry weight) *in 0.5lbms*
PCB - 5g extraction (dry weight)
One dup required per batch of 20 samples

Pre-Prep Check Out: CHT 05/15/20
 Pre-Prep Check In: CHT 05/15/20

Prep Check Out: YU 05/17/20
 Prep Check In: YU 05/17/20

Prep Reconciled Initials/Date: CHT 05/15/20
 Spike Reconciled Initials/Date: YU 05/17/20
 VialBoxID: 5H-60

PREPARATION BENCH SHEET

Matrix: Solid

B0E0150

Chemist: DF

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 20-May-20 ^{05:59} ~~05:59~~
14.05

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B0E0150-BLK1	NA	(10.00)	DF 22 05/20/20	EM 00 05/24/20	AZ 05/25/20	AZ 05/25/20	AZ 05/25/20	AZ 05/25/20	AO AZ 05/25/20
<input type="checkbox"/>	B0E0150-BSI	NA	(10.00)			I	T			
<input type="checkbox"/>	B0E0150-DUP1 2001037-11	16.49	16.67			NA				
<input type="checkbox"/>	2001034-01	(A) (B) 20.42	20.45			AZ 05/25/20	orange			
<input type="checkbox"/>	2001034-02	(D) (C) 17.61	17.75							
<input type="checkbox"/>	2001034-03	16.91	16.96							
<input type="checkbox"/>	2001037-03	16.77	17.00			NA				
<input type="checkbox"/>	2001037-04	15.63	15.80							
<input type="checkbox"/>	2001037-05	14.07	14.45							
<input type="checkbox"/>	2001037-06	16.49	16.66							
<input type="checkbox"/>	2001037-07	15.96	15.98							
<input type="checkbox"/>	2001037-08	15.52	15.69							
<input type="checkbox"/>	2001037-09	15.54	15.68							
<input type="checkbox"/>	2001037-10	16.45	16.59				orange			
<input type="checkbox"/>	2001037-11	16.49	16.57							

IS Name <u>V6</u>	NS Name <u>V6</u>	CRS Name <u>V1</u>	RS Name <u>V1</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>AZ 05/20/20</u>
PCDD/F <u>19L2301, 10mL</u>	PCDD/F <u>18F913, 10mL</u>	PCDD/F <u>19I1602, 10mL</u>	PCDD/F <u>19I1603, 10mL</u>	Start Date/Time <u>1444 05/20/20</u>	SOLV: <u>Tol</u>	Check In: Chemist/Date: <u>AZ 05/20/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>0747 05/21/20</u>	Other <u>NA</u>	Balance ID: <u>HRMS-9</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>20mL</u>	<u>C.M.</u>	

Comments:

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

PREPARATION BENCH SHEET

Matrix: Solid

B0E0150

Chemist: DF

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 20-May-20 05:59

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	2001037-12	15.77	15.77	DF 20 05/20/20	EM 00 05/24/20	NA	AP ^{se} AZ 05/25/20	AB 05/25/20	AZ 05/25/20	AO AZ 05/25/20
<input type="checkbox"/>	2001037-13	15.88	15.94	↓	↓	↓	↓ ↓	↓	↓	↓
<input type="checkbox"/>	2001037-14	14.89	14.97	↓	↓	↓	↓ ↓	↓	↓	↓

- (A) LB rinsed during AP w/ Dcm to remove part AZ 05/25/20
- (B) Crystallized ^{*} while rotovapping AZ 05/24/20
- * AZ 05/25/20
- (C) Crystallized + FU AZ 05/25/20
- (D) 10mL transferred to vial due to Crystallization AO 05/25/20

IS Name	NS Name	CRS Name	RS Name	Cycle Time	APP: SEFUN SOX SDS	Check Out:
PCDD/F <u>19L2301, 10mL</u>	PCDD/F <u>18F1913, 10mL</u>	PCDD/F <u>19I11002, 10mL</u>	PCDD/F <u>19I11003, 10mL</u>	Start Date/Time	SOLV: <u>TO1</u>	Chemist/Date: <u>AZ 05/20/20</u>
PCB	PCB	PCB	PCB	<u>1444 05/20/20</u>	Other <u>Na</u>	Check In:
PAH	PAH	PAH	PAH	Stop Date/Time	Final Volume(s) <u>20mL</u>	Chemist/Date: <u>AZ 05/20/20</u>
				<u>0747 05/21/20</u>	<u>CM</u>	Balance ID: <u>HRMS-9</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 B0E0115

Analyst: CHT	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>AE 05/20/20</u>
Analyte: Dried at 110°C+/-5°C	Units: %	
Oven ID: 1		

Inst HRMS 9

Date/Time IN: 05/15/20 1114 Date/Time OUT: 15/18/20 1023

Particle Size	SampID	SampType	E		G		H	I	K			N		O	P
			Initial and Date:	Pan	Wet Pan and Sample	Dry Pan and Sample			Dry Sample	%Solids	Visual	Cl-	pH		
			05/15/20	Tare Wt. (gms)	Weight (g)	Weight (g)	Weight (g)	RawVal	Inspection		Before	After	Added	Homogenized*	
	2001037-03	A	Sample	1.3000	5.7100	3.9300	2.6300	59.64	MUD	NA	NA	NA	NA	Y	
	2001037-04	A	Sample	1.3000	5.0200	3.6800	2.3800	63.98	MUD	NA	NA	NA	NA	Y	
	2001037-05	A	Sample	1.3100	5.3900	4.2100	2.9000	71.08	MUD	NA	NA	NA	NA	Y	
	2001037-06	A	Sample	1.3100	5.4000	3.7900	2.4800	60.64	MUD	NA	NA	NA	NA	Y	
	2001037-07	A	Sample	1.3000	5.5300	3.9500	2.6500	62.65	MUD	NA	NA	NA	NA	Y	
	2001037-08	A	Sample	1.2900	5.6500	4.1000	2.8100	64.45	MUD	NA	NA	NA	NA	Y	
	2001037-09	A	Sample	1.2900	5.4700	3.9800	2.6900	64.35	MUD	NA	NA	NA	NA	Y	
	2001037-10	A	Sample	1.2800	5.2600	3.7000	2.4200	60.80	MUD	NA	NA	NA	NA	Y	
	2001037-11	A	Sample	1.2900	7.2600	4.9100	3.6200	60.64	MUD	NA	NA	NA	NA	Y	
	2001037-12	A	Sample	1.3000	6.6300	4.6800	3.3800	63.41	MUD	NA	NA	NA	NA	Y	
	2001037-13	A	Sample	1.2900	6.4200	4.5200	3.2300	62.96	MUD	NA	NA	NA	NA	Y	
	2001037-14	A	Sample	1.2900	6.8600	5.0300	3.7400	67.15	MUD	NA	NA	NA	NA	Y	

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0E0115

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

Inst **HRMS-9**

Date/Time IN: **05/15/20** 1114
Date/Time OUT: **05/18/20** 1023

Particle Size	SampleID	SampType	Initial and Date:	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
			CHT 05/15/20			CHT 05/18/20			CHT 05/15/20					CHT 05/15/20
	2001037-03	Sample		1.30	5.71	3.93			Amid					✓
	2001037-04	Sample		1.30	5.02	3.68								✓
	2001037-05	Sample		1.31	5.39	4.21								✓
	2001037-06	Sample		1.31	5.40	3.79								✓
	2001037-07	Sample		1.30	5.53	3.95								✓
	2001037-08	Sample		1.29	5.65	4.10								✓
	2001037-09	Sample		1.29	5.47	3.98								✓
	2001037-10	Sample		1.28	5.26	3.70								✓
	2001037-11	Sample		1.29	7.26	4.91								✓
	2001037-12	Sample		1.30	6.63	4.68								✓
	2001037-13	Sample		1.29	6.42	4.52								✓
	2001037-14	Sample		1.29	6.86	5.03								✓

*Sample homogenized in sample container unless otherwise noted.

Batch: B0E0150

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2001034-01	20.45 ✓	48.96694	10.0137	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001034-02	17.75 ✓	56.54102	10.0360	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001034-03	16.96 ✓	59.13757	10.0297	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-03	17 ✓	59.63719	10.1383	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-04	15.8 ✓	63.9785	10.1086	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-05	14.45 ✓	71.07844	10.2708	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-06	16.66 ✓	60.6357	10.1019	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-07	15.98 ✓	62.64775	10.0111	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-08	15.69 ✓	64.44954	10.1121	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-09	15.68 ✓	64.35407	10.0907	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-10	16.59 ✓	60.80402	10.0874	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-11	16.57 ✓	60.63651	10.0475	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-12	15.77 ✓	63.41463	10.0005	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-13	15.94 ✓	62.96296	10.0363	20	20-May-20 05:59	AZK			Sediment	1613 Full List
2001037-14	14.97 ✓	67.14542	10.0517	20	20-May-20 05:59	AZK			Sediment	1613 Full List
B0E0150-BLK1	10			20	20-May-20 05:59	AZK				QC
B0E0150-BS1	10			20	20-May-20 05:59	AZK	18F1913	10		QC
B0E0150-DUP1	16.67 ✓	60.63651	10.1081	20	20-May-20 05:59	AZK				QC

All bolded data on report verified against written benchsheet by (initial/date) AO 05/25/20

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-6.qld

Last Altered: Wednesday, June 10, 2020 08:40:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 08:43:43 Pacific Daylight Time

GRB 06/10/2020

07/06/10/2020

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

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.888	1.000	26.486		1.001				0.727	
2	1,2,3,7,8-PeCDD			NO	0.908	1.000	31.457		1.001				0.756	
3	1,2,3,4,7,8-HxCDD			NO	1.03	1.000	34.814		1.000				1.28	
4	1,2,3,6,7,8-HxCDD			NO	0.892	1.000	34.911		1.000				1.25	
5	1,2,3,7,8,9-HxCDD			NO	0.887	1.000	35.209		1.000				1.54	
6	1,2,3,4,6,7,8-HpCDD			NO	0.864	1.000	38.736		1.000				2.61	
7	OCDD	1.30e3	0.95	NO	0.914	1.000	41.695	41.70	1.000	1.000	18.767		4.26	18.8
8	2,3,7,8-TCDF			NO	0.751	1.000	25.582		1.001				0.734	
9	1,2,3,7,8-PeCDF			NO	0.893	1.000	30.160		1.001				0.675	
10	2,3,4,7,8-PeCDF			NO	0.935	1.000	31.161		1.001				0.552	
11	1,2,3,4,7,8-HxCDF			NO	0.884	1.000	33.931		1.000				0.797	
12	1,2,3,6,7,8-HxCDF			NO	0.889	1.000	34.068		1.000				0.754	
13	2,3,4,6,7,8-HxCDF			NO	0.934	1.000	34.669		1.001				0.822	
14	1,2,3,7,8,9-HxCDF			NO	0.871	1.000	35.560		1.000				1.27	
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	1.000	37.365		1.001				2.24	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	1.000	39.278		1.000				2.54	
17	OCDF			NO	0.806	1.000	41.887		1.000				1.63	
18	13C-2,3,7,8-TCDD	5.84e5	0.75	NO	1.16	1.000	26.476	26.45	1.026	1.026	1926.6	96.3	3.32	
19	13C-1,2,3,7,8-PeCDD	4.26e5	0.63	NO	0.849	1.000	31.656	31.43	1.227	1.219	1915.3	95.8	4.57	
20	13C-1,2,3,4,7,8-HxCDD	2.62e5	1.29	NO	0.779	1.000	34.819	34.80	1.014	1.014	1626.3	81.3	6.17	
21	13C-1,2,3,6,7,8-HxCDD	3.47e5	1.26	NO	1.02	1.000	34.932	34.91	1.017	1.017	1651.7	82.6	4.73	
22	13C-1,2,3,7,8,9-HxCDD	2.93e5	1.28	NO	0.903	1.000	35.204	35.20	1.025	1.025	1567.4	78.4	5.33	
23	13C-1,2,3,4,6,7,8-HpCDD	1.92e5	1.00	NO	0.689	1.000	38.726	38.72	1.128	1.128	1350.6	67.5	5.64	
24	13C-OCDD	3.04e5	0.91	NO	0.652	1.000	41.748	41.69	1.216	1.214	2257.5	56.4	5.68	
25	13C-2,3,7,8-TCDF	6.84e5	0.76	NO	1.06	1.000	25.519	25.56	0.989	0.991	1658.0	82.9	4.90	
26	13C-1,2,3,7,8-PeCDF	6.25e5	1.60	NO	0.838	1.000	30.041	30.14	1.165	1.168	1916.4	95.8	7.02	
27	13C-2,3,4,7,8-PeCDF	6.16e5	1.59	NO	0.817	1.000	30.993	31.13	1.202	1.207	1939.1	97.0	7.21	
28	13C-1,2,3,4,7,8-HxCDF	3.48e5	0.49	NO	1.01	1.000	33.950	33.93	0.989	0.988	1668.6	83.4	8.23	
29	13C-1,2,3,6,7,8-HxCDF	4.05e5	0.49	NO	1.17	1.000	34.074	34.06	0.992	0.992	1679.2	84.0	7.10	
30	13C-2,3,4,6,7,8-HxCDF	3.53e5	0.51	NO	1.02	1.000	34.647	34.63	1.009	1.009	1669.9	83.5	8.11	
31	13C-1,2,3,7,8,9-HxCDF	2.81e5	0.50	NO	0.860	1.000	35.547	35.56	1.035	1.036	1579.9	79.0	9.64	

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-6.qld

Last Altered: Wednesday, June 10, 2020 08:40:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 08:43:43 Pacific Daylight Time

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	2.25e5	0.43	NO	0.774	1.000	37.295	37.33	1.086	1.087	1402.2	70.1	6.19	
33	13C-1,2,3,4,7,8,9-HpCDF	1.39e5	0.42	NO	0.521	1.000	39.324	39.28	1.145	1.144	1293.0	64.6	9.21	
34	13C-OCDF	3.22e5	0.84	NO	0.746	1.000	41.920	41.89	1.221	1.220	2089.2	52.2	5.87	
35	37Cl-2,3,7,8-TCDD	2.31e5			1.04	1.000	26.507	26.47	1.028	1.026	851.56	106	0.772	
36	13C-1,2,3,4-TCDD	5.24e5	0.79	NO	1.00	1.000	25.890	25.80	1.000	1.000	2000.0	100	3.83	
37	13C-1,2,3,4-TCDF	7.79e5	0.78	NO	1.00	1.000	24.360	24.09	1.000	1.000	2000.0	100	5.18	
38	13C-1,2,3,4,6,9-HxCDF	4.14e5	0.50	NO	1.00	1.000	34.420	34.33	1.000	1.000	2000.0	100	8.29	
39	Total Tetra-Dioxins				0.888	1.000	24.620		0.000				0.395	
40	Total Penta-Dioxins				0.908	1.000	29.960		0.000				0.333	
41	Total Hexa-Dioxins				0.892	1.000	33.635		0.000				0.799	
42	Total Hepta-Dioxins				0.864	1.000	37.640		0.000				1.29	
43	Total Tetra-Furans				0.751	1.000	23.610		0.000				0.351	
44	1st Func. Penta-Furans				0.893	1.000	27.580		0.000				0.117	
45	Total Penta-Furans				0.893	1.000	29.275		0.000				0.340	
46	Total Hexa-Furans				0.934	1.000	33.555		0.000				0.426	
47	Total Hepta-Furans				0.873	1.000	37.835		0.000				1.17	

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-6.qld

Last Altered: Wednesday, June 10, 2020 08:40:28 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 08:43:43 Pacific Daylight Time

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

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

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-6.qld
Last Altered: Wednesday, June 10, 2020 08:40:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 08:43:43 Pacific Daylight Time

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

Penta-Furans

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

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

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
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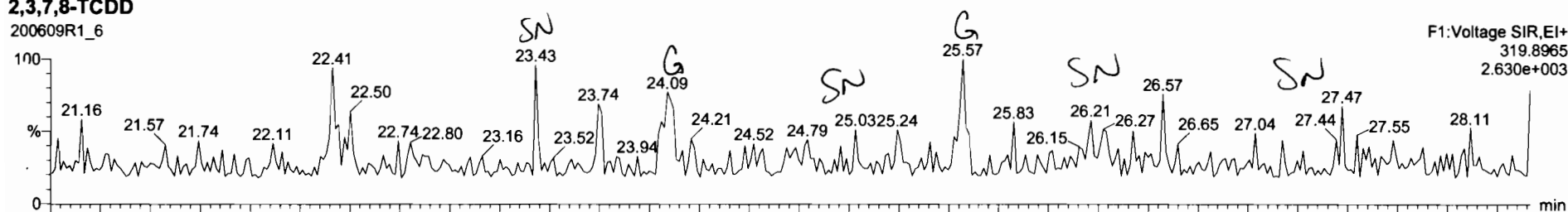
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

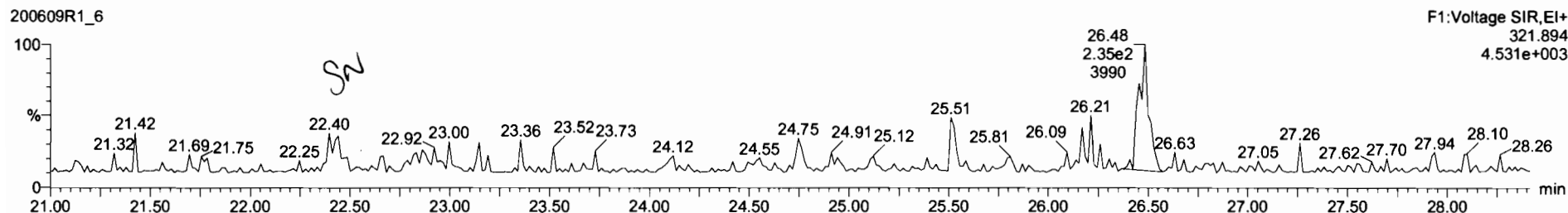
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2,3,7,8-TCDD

200609R1_6

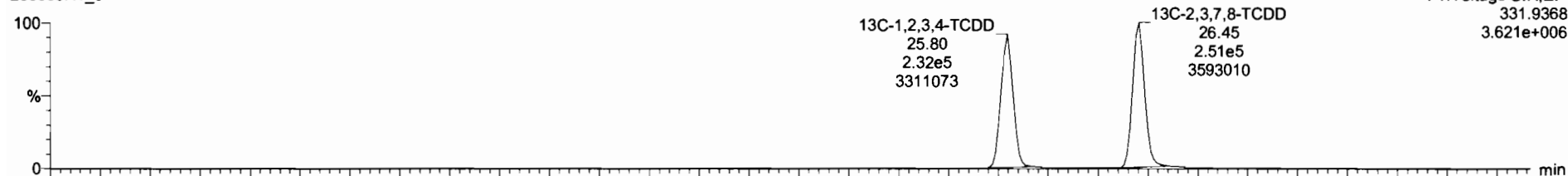


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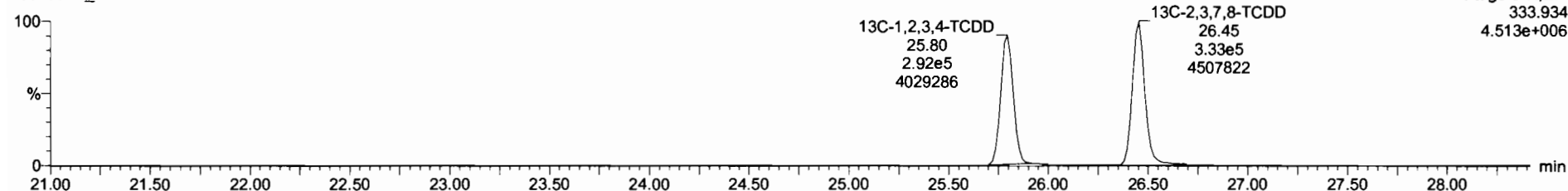


13C-2,3,7,8-TCDD

200609R1_6



200609R1_6



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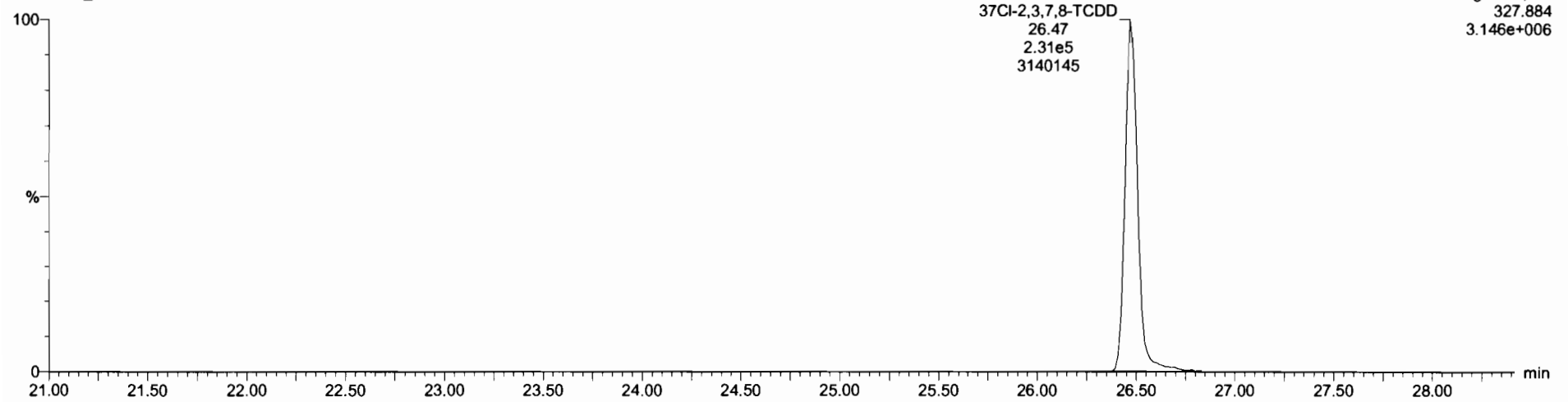
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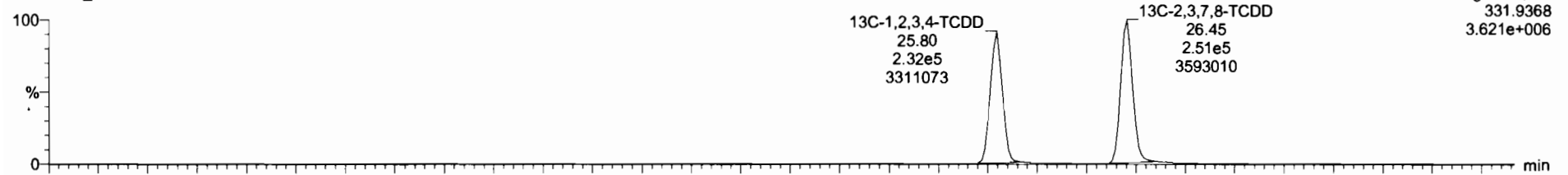
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200609R1_6

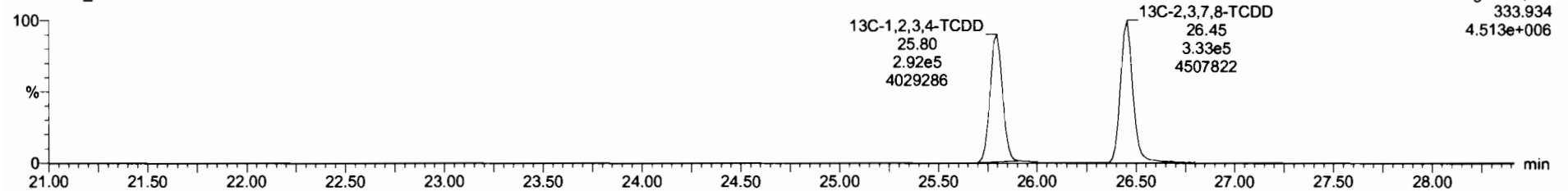


13C-1,2,3,4-TCDD

200609R1_6



200609R1_6



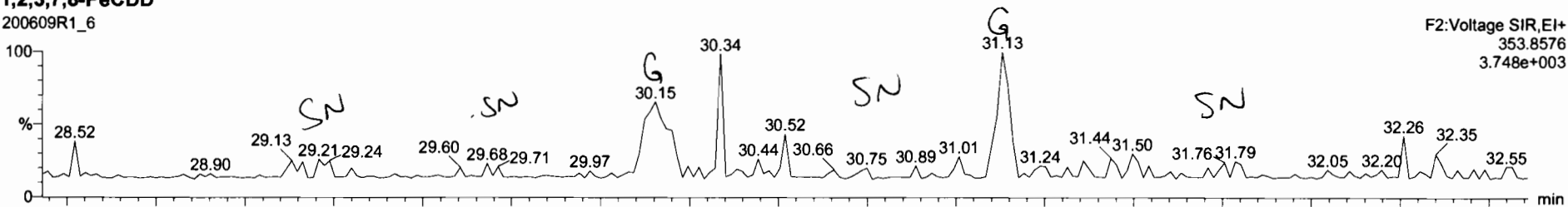
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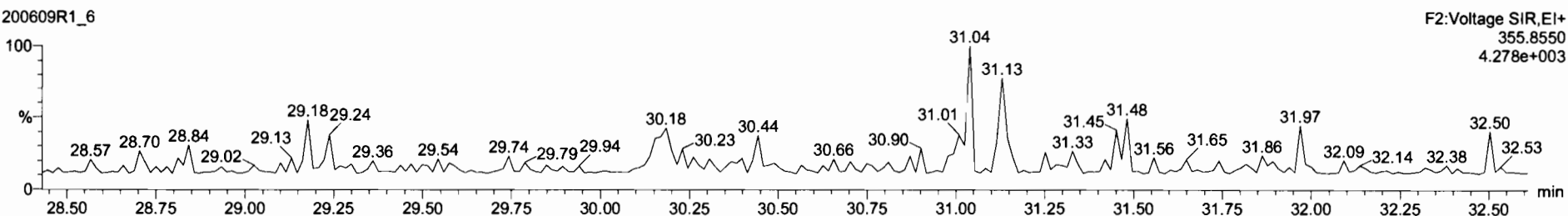
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1,2,3,7,8-PeCDD

200609R1_6

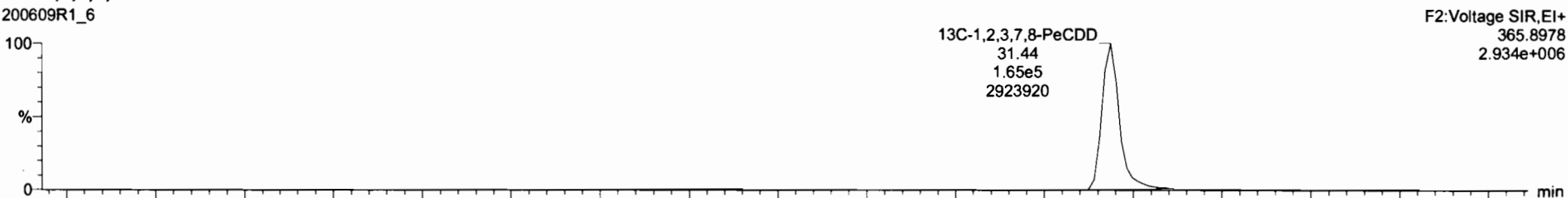


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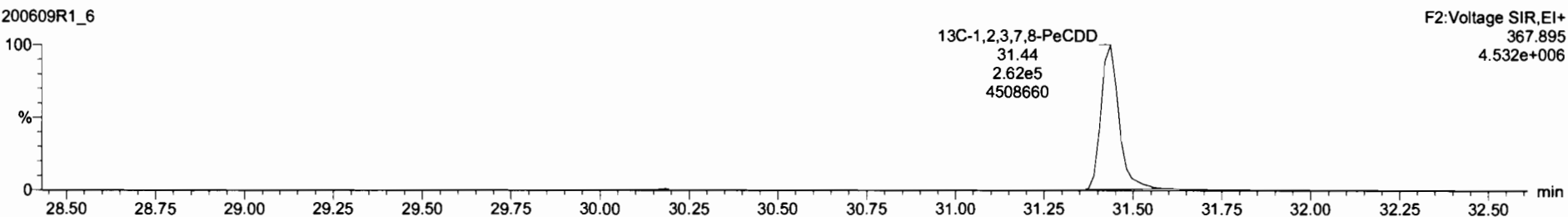


13C-1,2,3,7,8-PeCDD

200609R1_6



200609R1_6



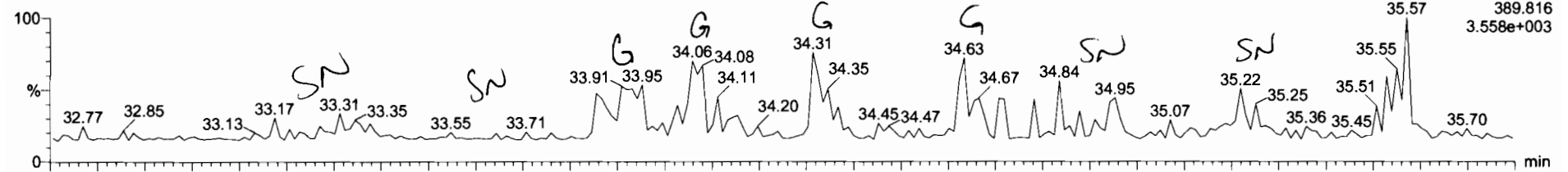
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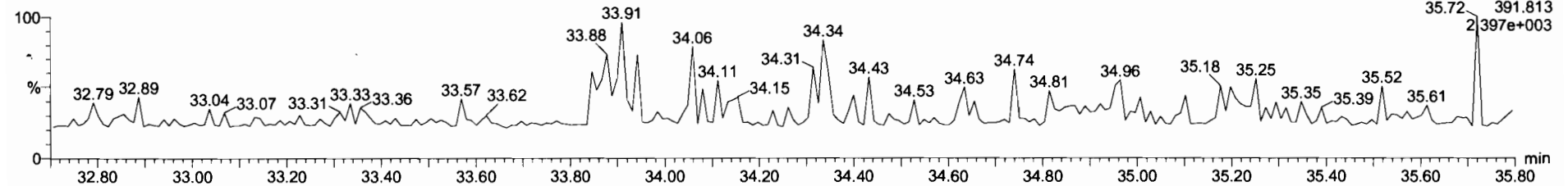
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1,2,3,4,7,8-HxCDD

200609R1_6

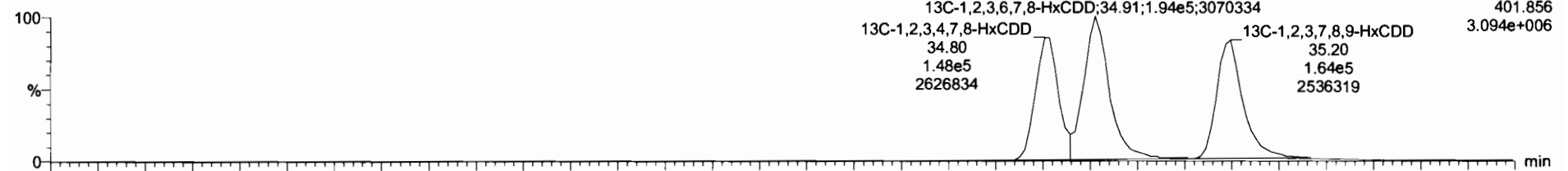


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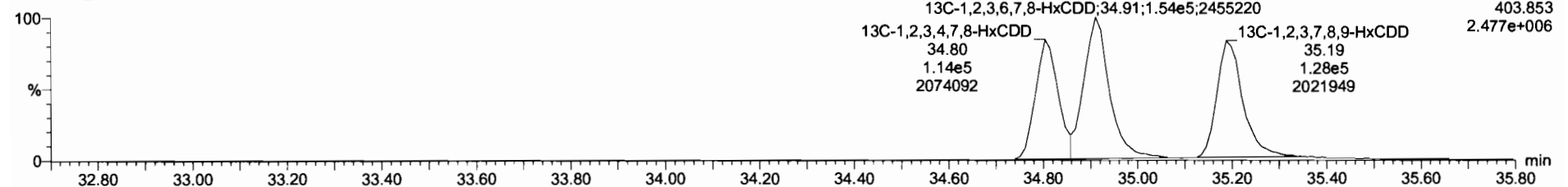


13C-1,2,3,4,7,8-HxCDD

200609R1_6



200609R1_6



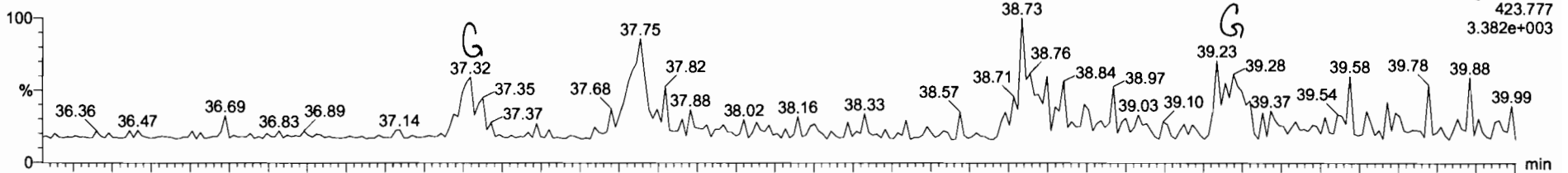
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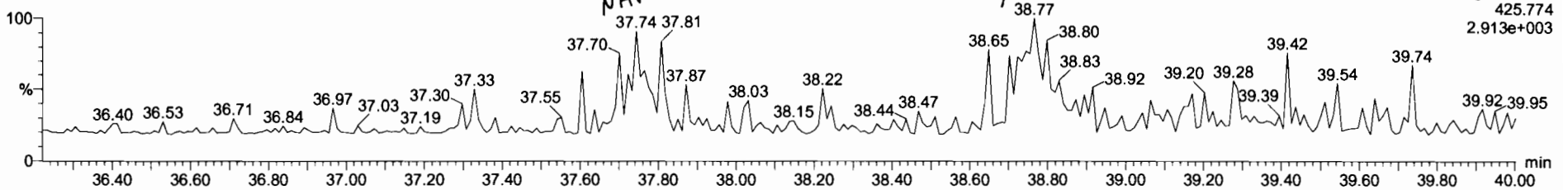
Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

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

200609R1_6

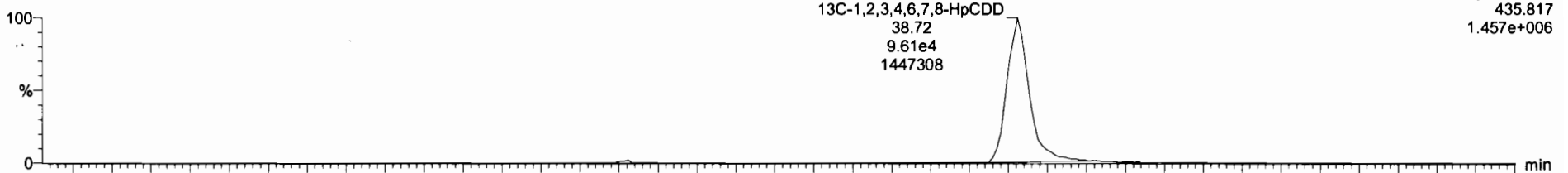


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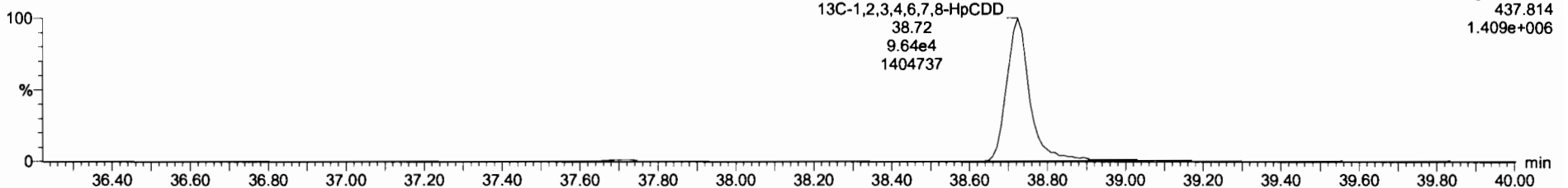


13C-1,2,3,4,6,7,8-HpCDD

200609R1_6



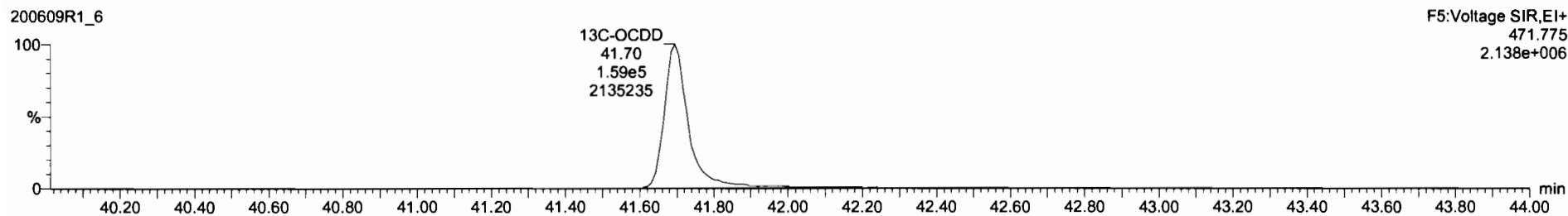
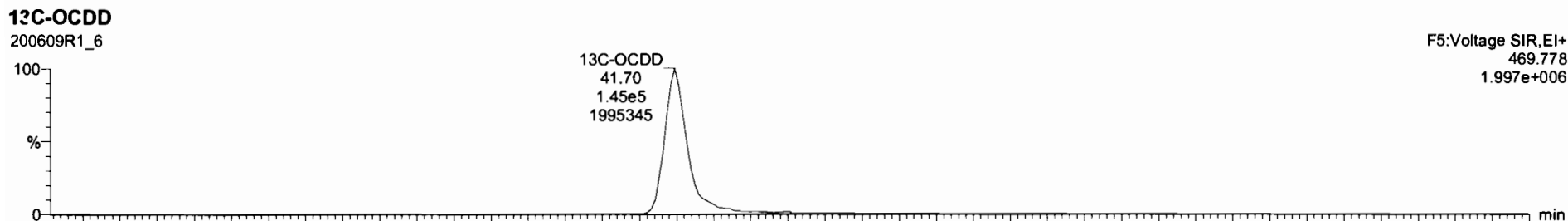
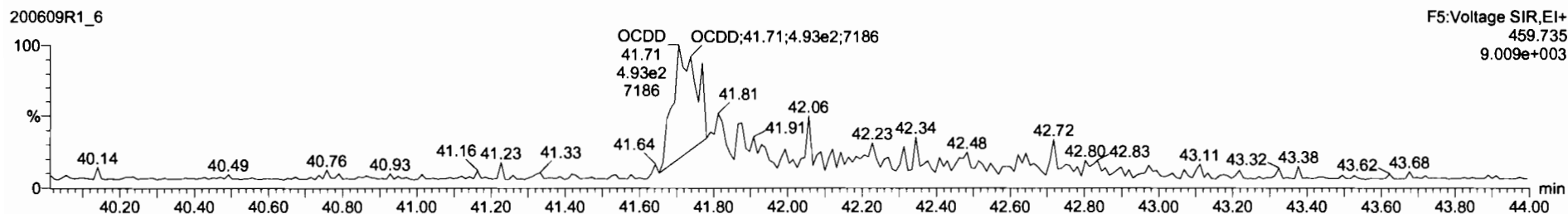
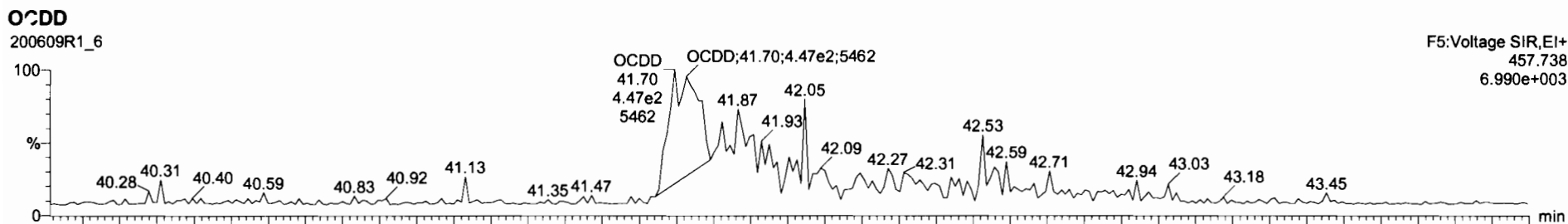
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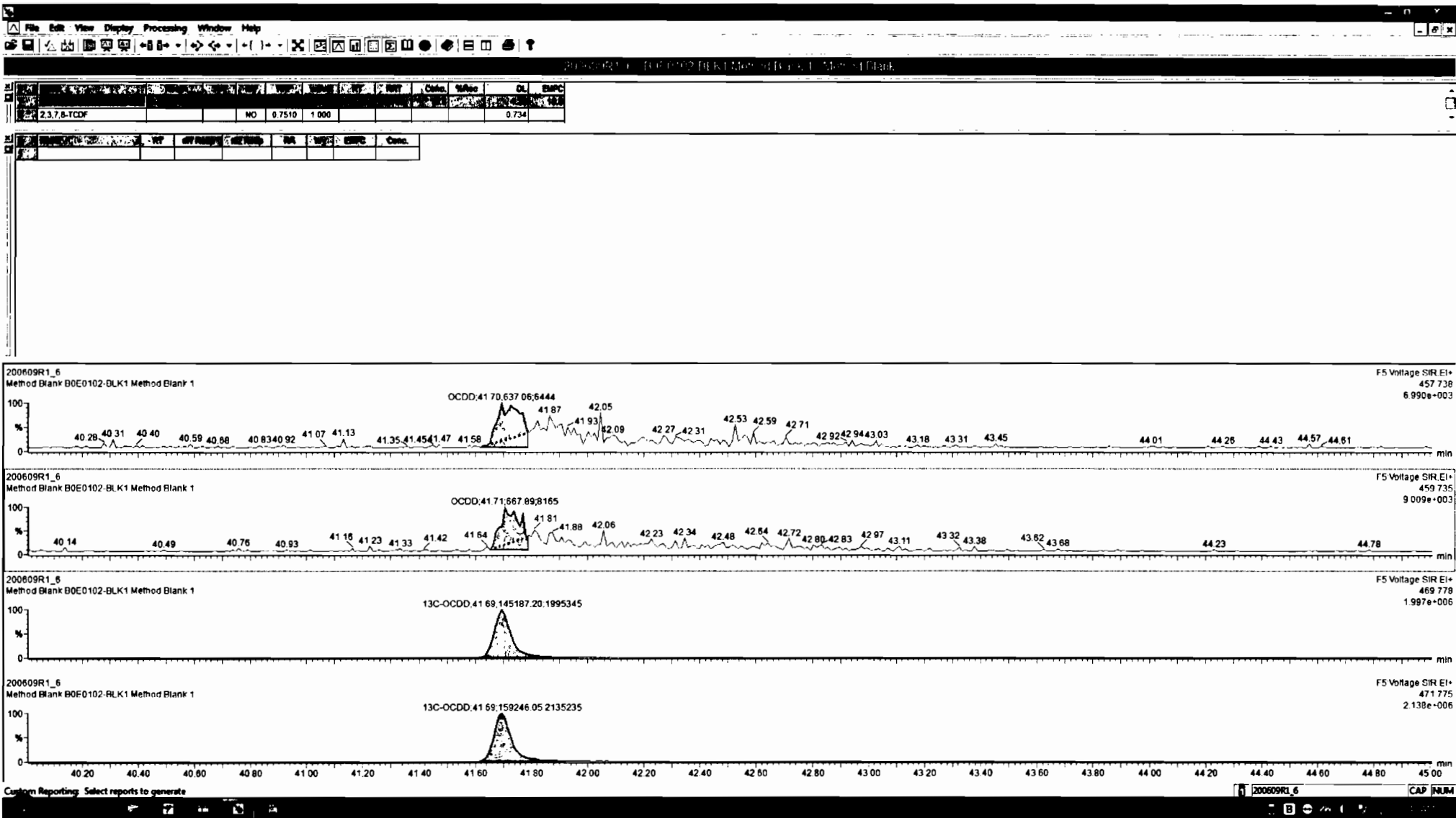


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Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank



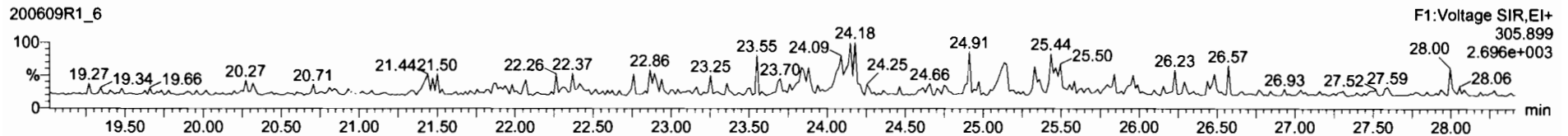
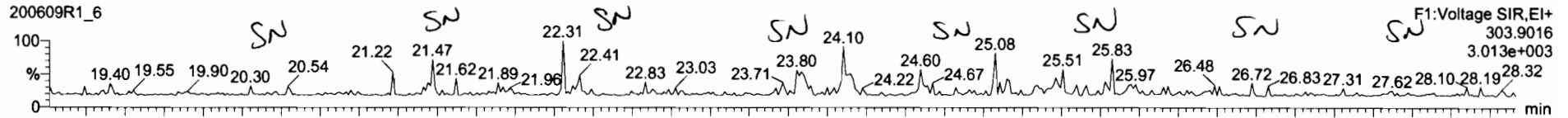


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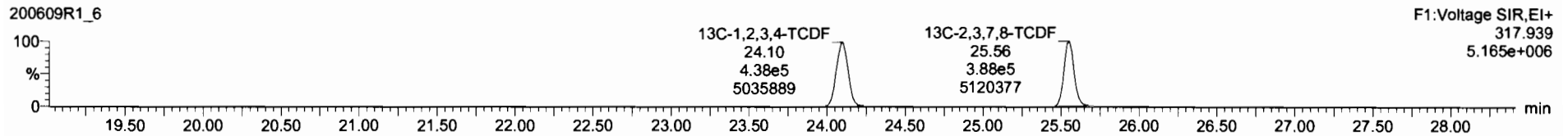
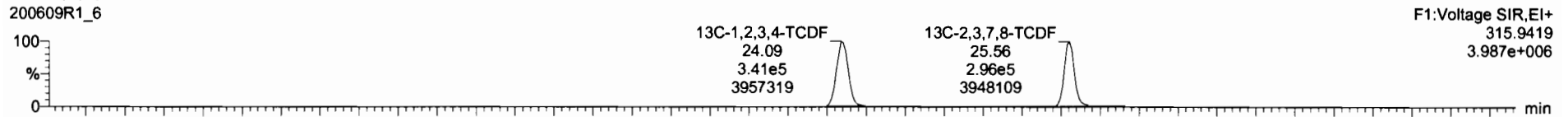
Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

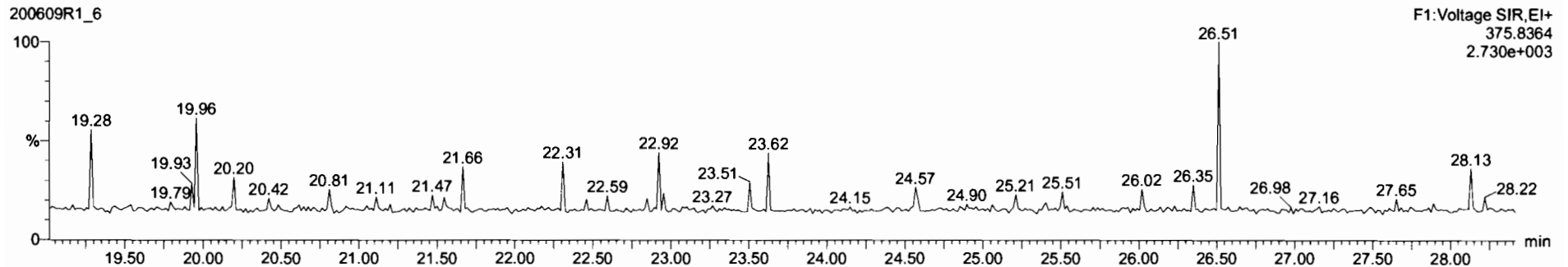
2,3,7,8-TCDF

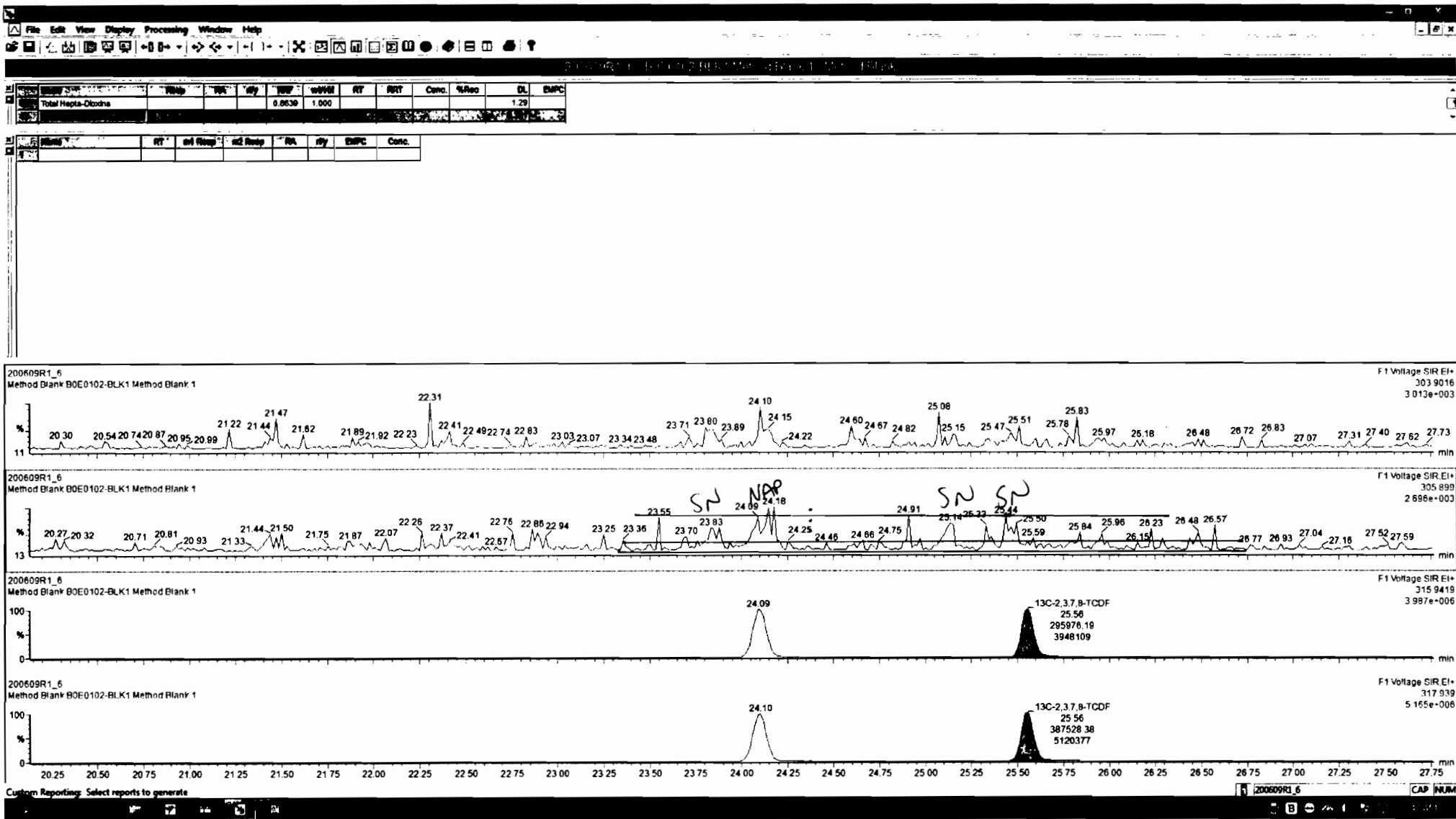


13C-2,3,7,8-TCDF



DPE1





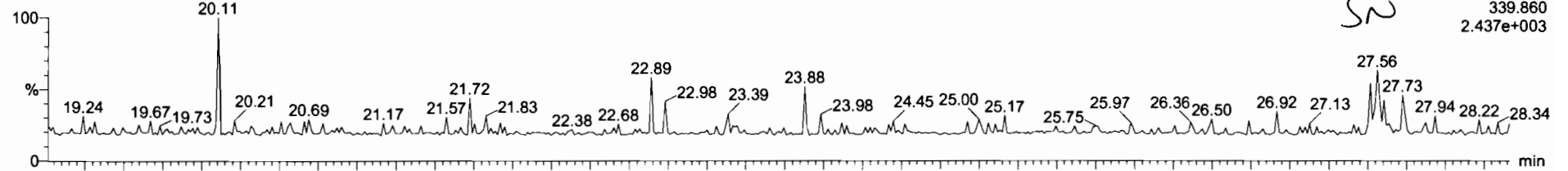
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Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

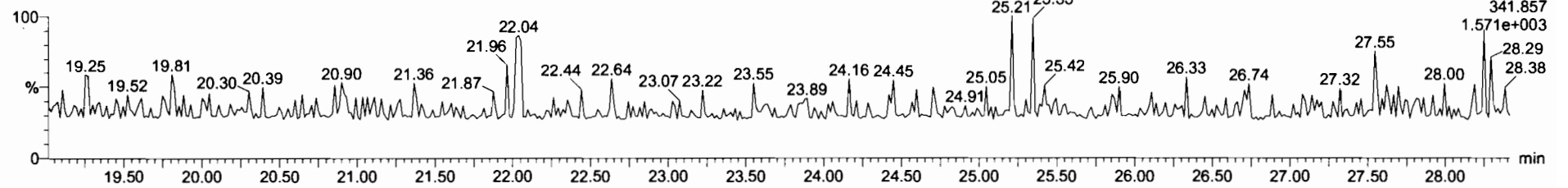
1st Func. Penta-Furans

200609R1_6



F1:Voltage SIR,EI+
339.860
2.437e+003

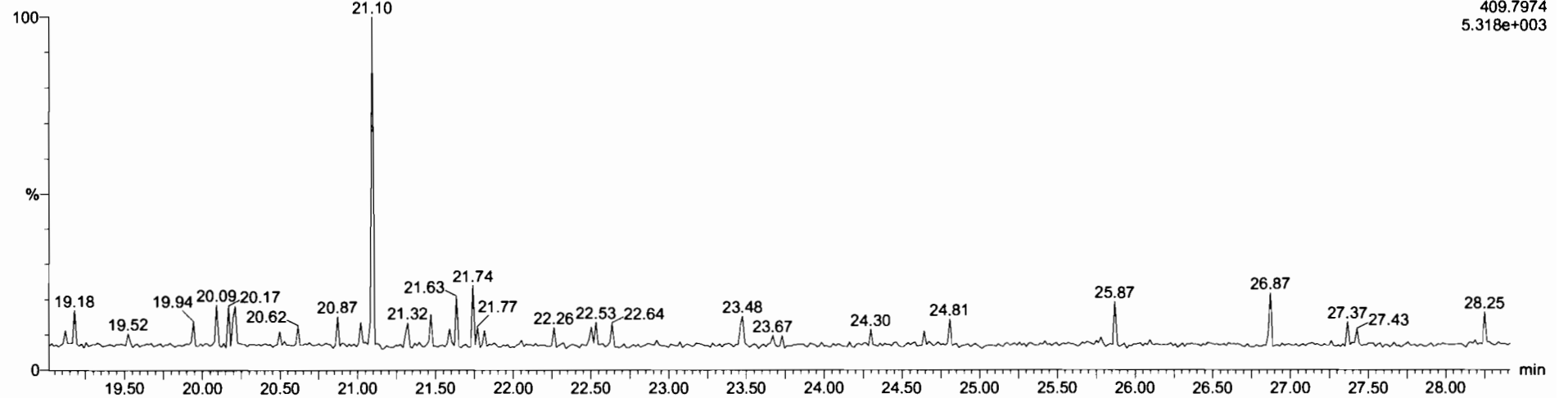
200609R1_6



F1:Voltage SIR,EI+
341.857
1.571e+003

DPE6

200609R1_6



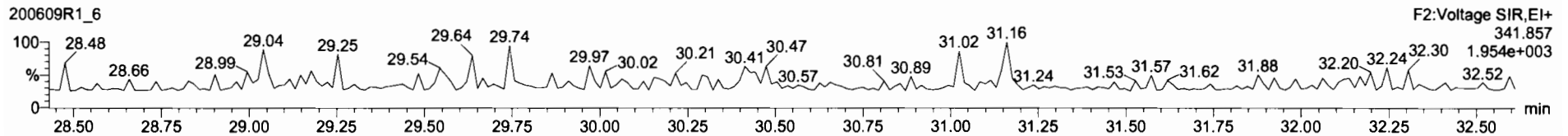
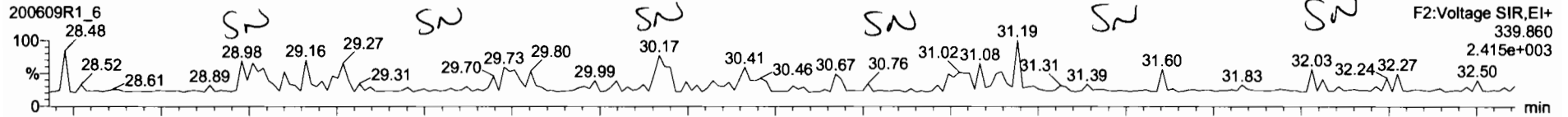
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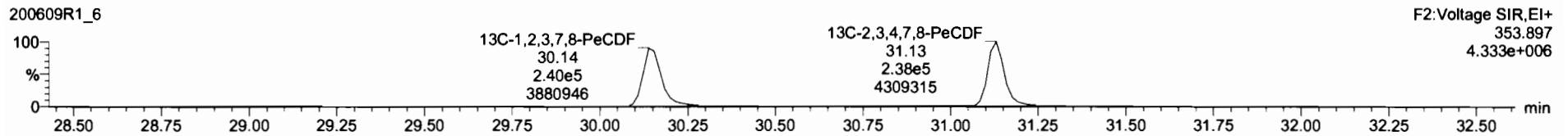
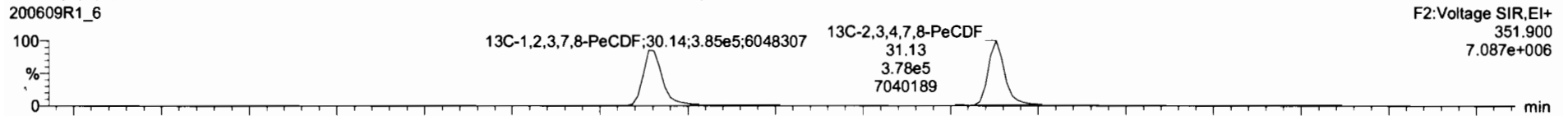
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

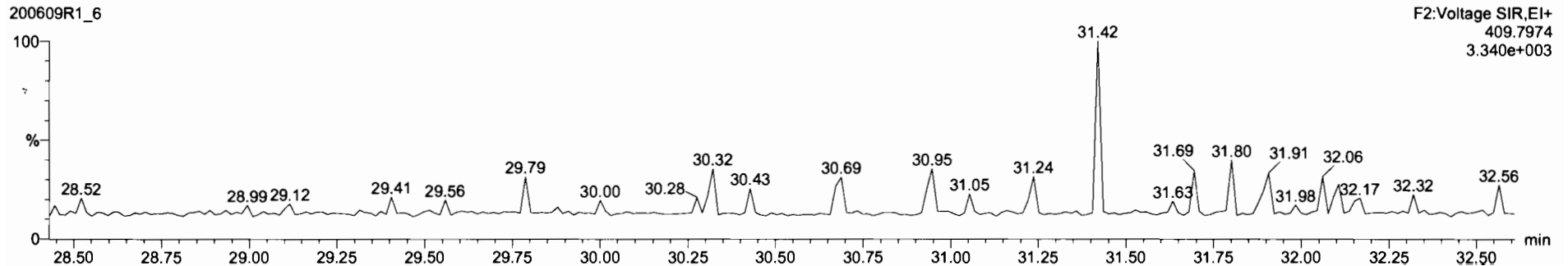
1,2,3,7,8-PeCDF



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



DPE2



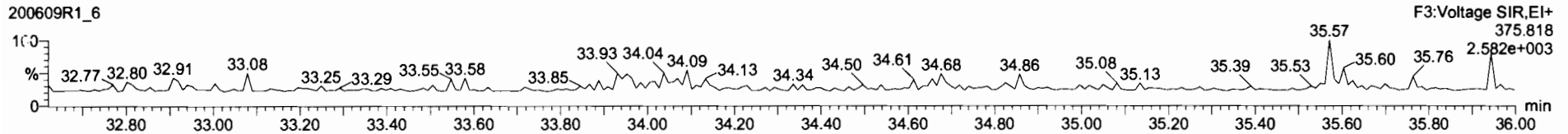
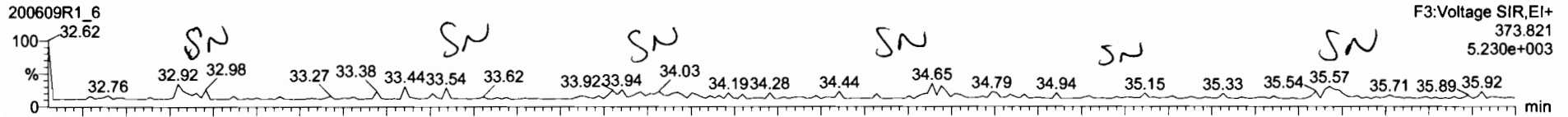
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Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time

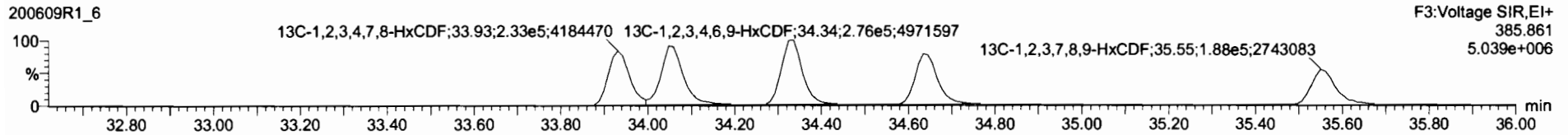
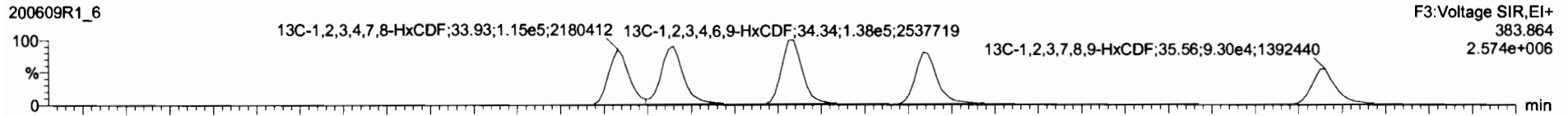
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_6, Date: 09-Jun-2020, Time: 14:51:06, ID: B0E0102-BLK1 Method Blank 1, Description: Method Blank

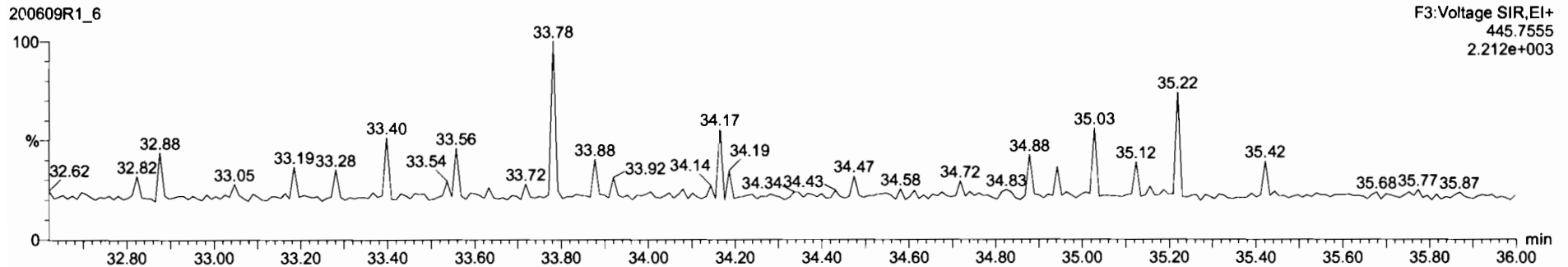
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13C-1,2,3,4,7,8-HxCDF



DPE3



Dataset: Untitled

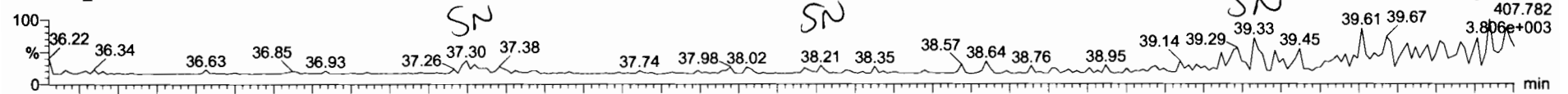
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

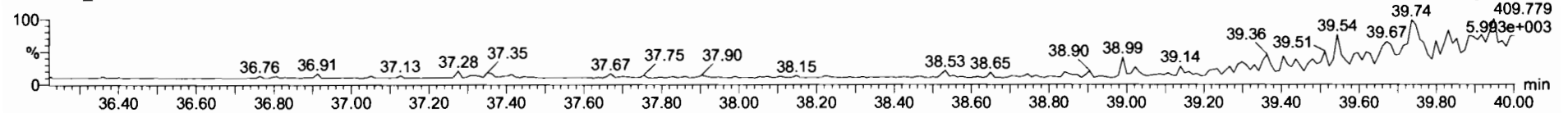
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1,2,3,4,6,7,8-HpCDF

200609R1_6

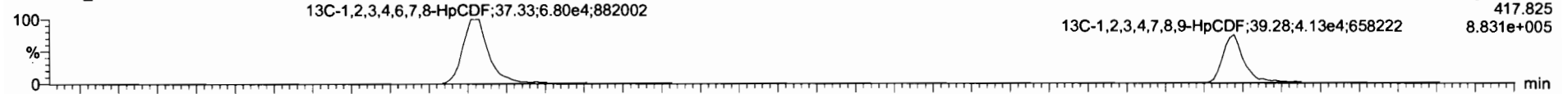


200609R1_6

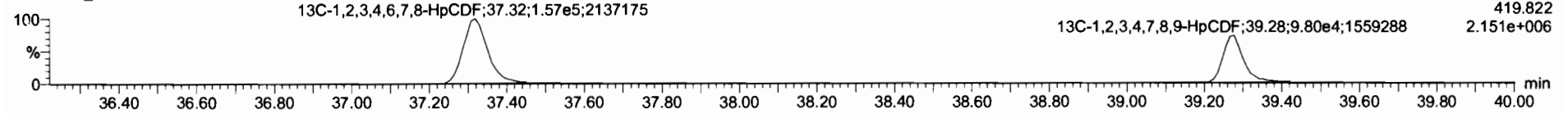


13C-1,2,3,4,6,7,8-HpCDF

200609R1_6

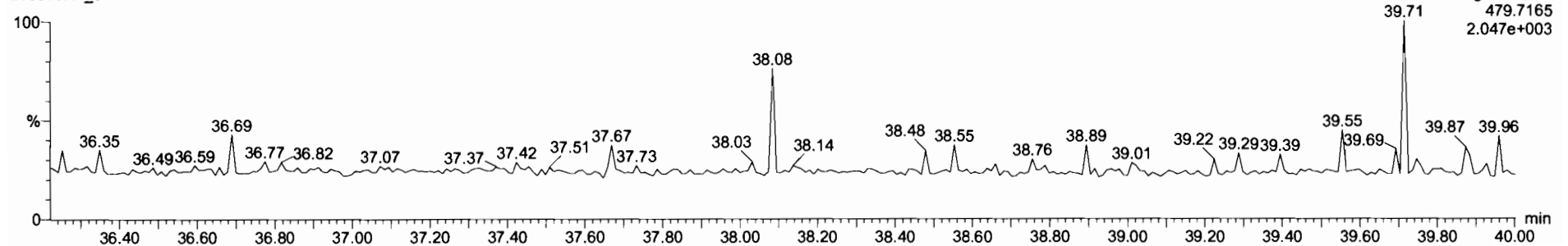


200609R1_6



DPE4

200609R1_6

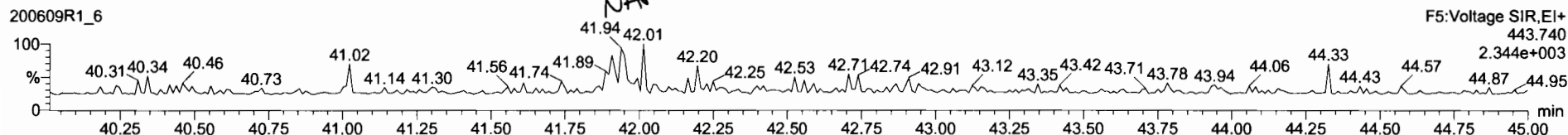
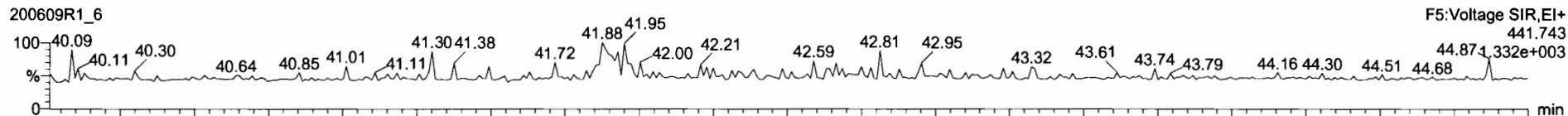


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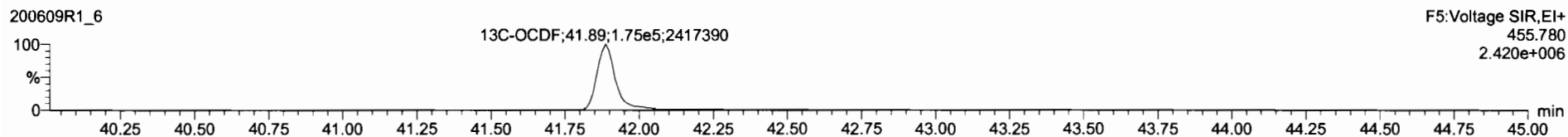
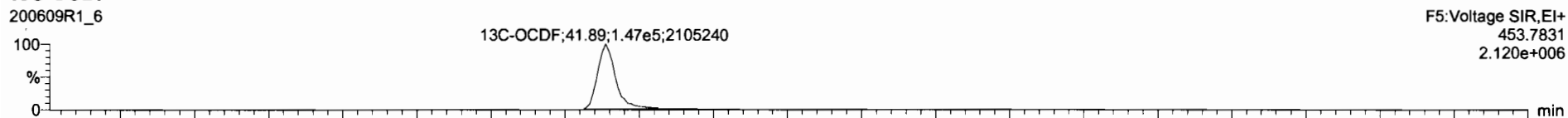
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

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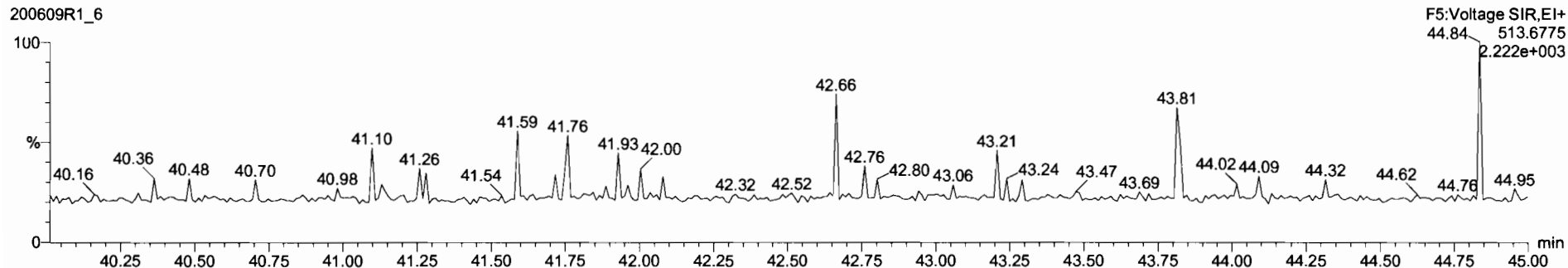
OCDF



13C-OCDF



DPE5



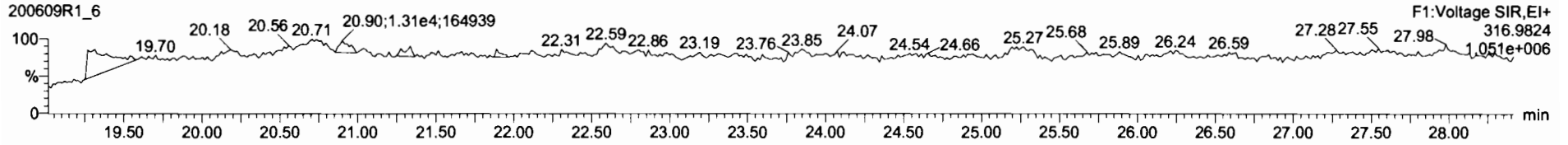
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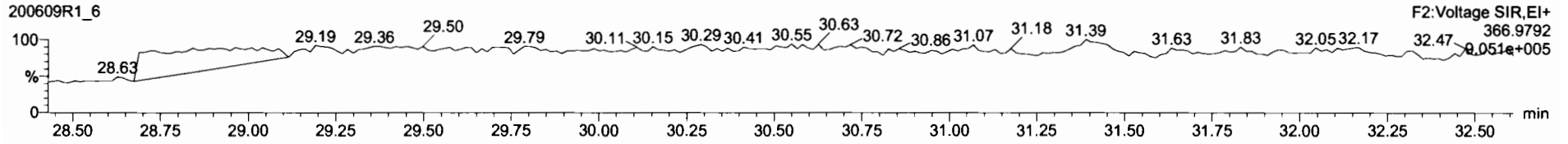
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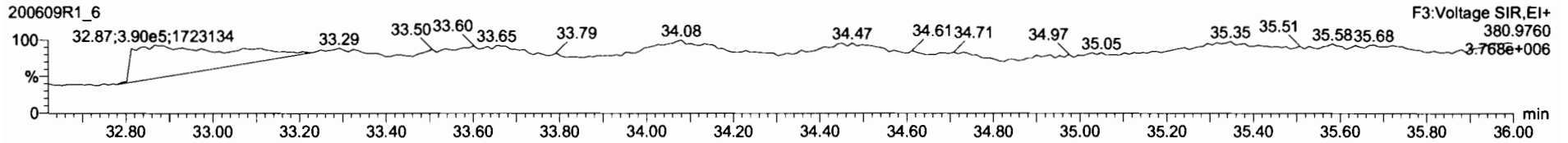
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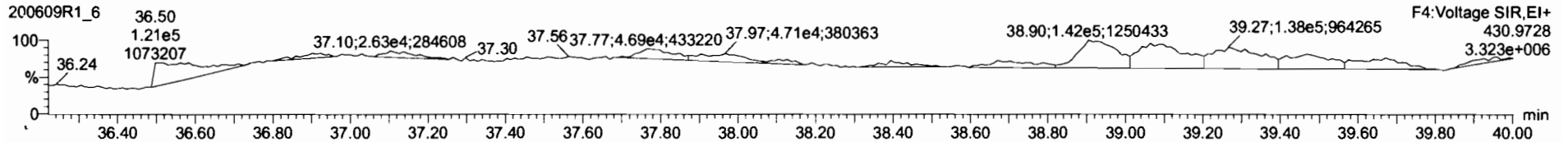
PFK2



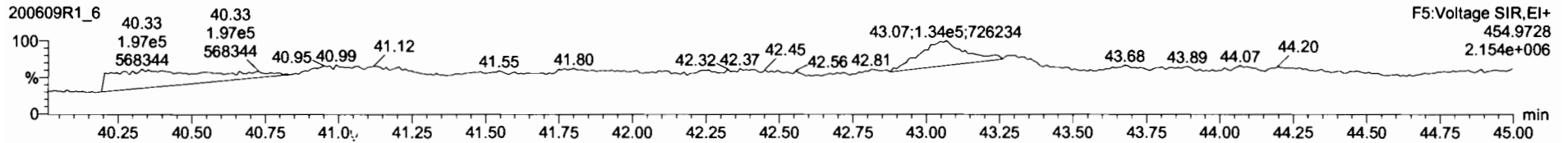
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200609R1\200609R1-3.qld

Last Altered: Wednesday, June 10, 2020 08:49:25 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 08:49:37 Pacific Daylight Time

GRB 06/10/2020

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

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

U 06/10/2020

Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	4.83e4	0.77	NO	0.888	1.000	26.486	26.47	1.001	1.001	178.05		0.921	178
2	1,2,3,7,8-PeCDD	2.03e5	0.62	NO	0.908	1.000	31.458	31.45	1.001	1.000	926.26		1.96	926
3	1,2,3,4,7,8-HxCDD	1.55e5	1.23	NO	1.03	1.000	34.815	34.82	1.000	1.000	923.12		3.16	923
4	1,2,3,6,7,8-HxCDD	1.70e5	1.24	NO	0.892	1.000	34.901	34.92	1.000	1.001	952.72		3.38	953
5	1,2,3,7,8,9-HxCDD	1.53e5	1.27	NO	0.887	1.000	35.199	35.20	1.000	1.000	955.68		3.62	956
6	1,2,3,4,6,7,8-HpCDD	1.03e5	1.03	NO	0.864	1.000	38.736	38.74	1.000	1.000	992.08		5.17	992
7	OCDD	1.62e5	0.87	NO	0.914	1.000	41.696	41.72	1.000	1.001	1944.4		5.70	1940
8	2,3,7,8-TCDF	5.07e4	0.74	NO	0.751	1.000	25.582	25.57	1.001	1.001	185.94		0.941	186
9	1,2,3,7,8-PeCDF	2.91e5	1.55	NO	0.893	1.000	30.160	30.15	1.001	1.000	935.28		2.09	935
10	2,3,4,7,8-PeCDF	3.02e5	1.58	NO	0.935	1.000	31.162	31.15	1.001	1.000	925.93		1.92	926
11	1,2,3,4,7,8-HxCDF	1.84e5	1.22	NO	0.884	1.000	33.921	33.94	1.000	1.001	982.90		4.22	983
12	1,2,3,6,7,8-HxCDF	2.13e5	1.26	NO	0.889	1.000	34.059	34.07	1.000	1.001	997.12		3.77	997
13	2,3,4,6,7,8-HxCDF	1.93e5	1.20	NO	0.934	1.000	34.669	34.66	1.001	1.001	971.82		4.15	972
14	1,2,3,7,8,9-HxCDF	1.46e5	1.21	NO	0.871	1.000	35.550	35.56	1.000	1.000	989.80		6.28	990
15	1,2,3,4,6,7,8-HpCDF	1.22e5	1.00	NO	0.873	1.000	37.345	37.32	1.001	1.000	971.57		3.56	972
16	1,2,3,4,7,8,9-HpCDF	9.25e4	1.01	NO	1.01	1.000	39.278	39.28	1.000	1.000	1015.8		4.34	1020
17	OCDF	1.61e5	0.87	NO	0.806	1.000	41.898	41.91	1.000	1.000	1981.6		4.87	1980
18	13C-2,3,7,8-TCDD	6.10e5	0.77	NO	1.16	1.000	26.461	26.45	1.026	1.026	1923.0	96.2	3.60	
19	13C-1,2,3,7,8-PeCDD	4.83e5	0.62	NO	0.849	1.000	31.637	31.44	1.227	1.219	2073.1	104	3.64	
20	13C-1,2,3,4,7,8-HxCDD	3.26e5	1.29	NO	0.779	1.000	34.810	34.81	1.014	1.014	1820.4	91.0	6.00	
21	13C-1,2,3,6,7,8-HxCDD	3.99e5	1.28	NO	1.02	1.000	34.923	34.90	1.017	1.017	1711.4	85.6	4.60	
22	13C-1,2,3,7,8,9-HxCDD	3.62e5	1.26	NO	0.903	1.000	35.194	35.19	1.025	1.025	1747.6	87.4	5.18	
23	13C-1,2,3,4,6,7,8-HpCDD	2.41e5	1.02	NO	0.689	1.000	38.716	38.72	1.128	1.128	1520.1	76.0	3.88	
24	13C-OCDD	3.64e5	0.84	NO	0.652	1.000	41.737	41.70	1.216	1.215	2430.2	60.8	4.27	
25	13C-2,3,7,8-TCDF	7.26e5	0.75	NO	1.06	1.000	25.504	25.56	0.989	0.991	1634.4	81.7	4.92	
26	13C-1,2,3,7,8-PeCDF	6.97e5	1.58	NO	0.838	1.000	30.023	30.14	1.165	1.169	1984.0	99.2	6.10	
27	13C-2,3,4,7,8-PeCDF	6.99e5	1.59	NO	0.817	1.000	30.975	31.13	1.202	1.208	2040.7	102	6.26	
28	13C-1,2,3,4,7,8-HxCDF	4.24e5	0.51	NO	1.01	1.000	33.942	33.92	0.989	0.988	1832.1	91.6	7.70	
29	13C-1,2,3,6,7,8-HxCDF	4.80e5	0.49	NO	1.17	1.000	34.065	34.05	0.992	0.992	1789.9	89.5	6.65	
30	13C-2,3,4,6,7,8-HxCDF	4.26e5	0.50	NO	1.02	1.000	34.638	34.63	1.009	1.009	1813.8	90.7	7.59	
31	13C-1,2,3,7,8,9-HxCDF	3.40e5	0.49	NO	0.860	1.000	35.538	35.55	1.035	1.036	1722.5	86.1	9.02	

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-3.qld

Last Altered: Wednesday, June 10, 2020 08:49:25 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 08:49:37 Pacific Daylight Time

Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RT	RT	Conc.	%MS	BL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	2.87e5	0.41	NO	0.774	1.000	37.285	37.31	1.086	1.087	1614.5	80.7	5.73	
33	13C-1,2,3,4,7,8,9-HpCDF	1.80e5	0.44	NO	0.521	1.000	39.314	39.28	1.145	1.144	1503.6	75.2	8.52	
34	13C-OCDF	4.03e5	0.90	NO	0.746	1.000	41.909	41.90	1.221	1.221	2356.1	58.9	4.40	
35	37Cl-2,3,7,8-TCDD	2.55e5			1.04	1.000	26.492	26.47	1.028	1.027	896.07	112	1.67	
36	13C-1,2,3,4-TCDD	5.49e5	0.79	NO	1.00	1.000	25.890	25.78	1.000	1.000	2000.0	100	4.16	
37	13C-1,2,3,4-TCDF	8.39e5	0.79	NO	1.00	1.000	24.360	24.09	1.000	1.000	2000.0	100	5.21	
38	13C-1,2,3,4,6,9-HxCDF	4.59e5	0.50	NO	1.00	1.000	34.420	34.33	1.000	1.000	2000.0	100	7.76	

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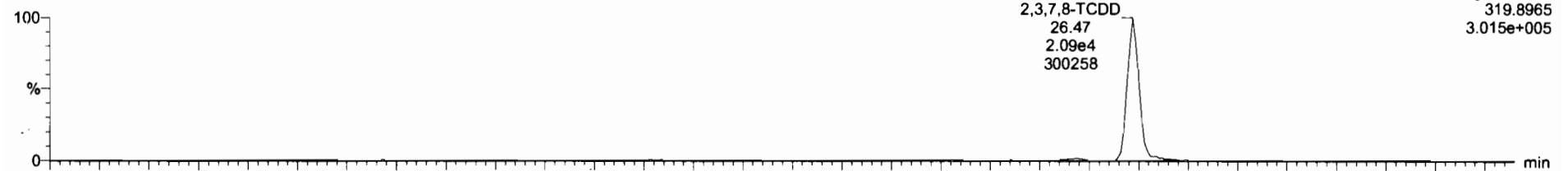
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

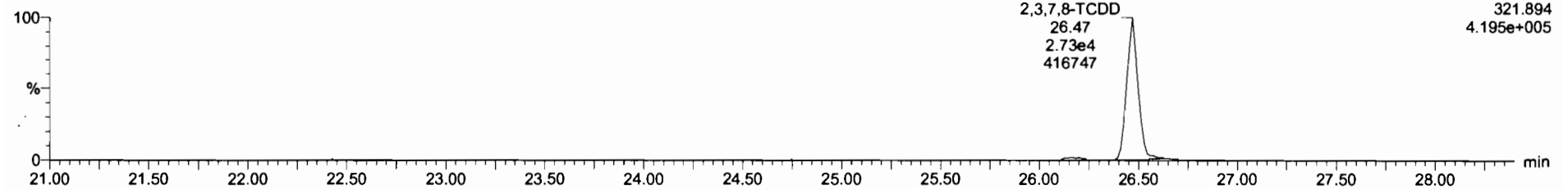
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2,3,7,8-TCDD

200609R1_3

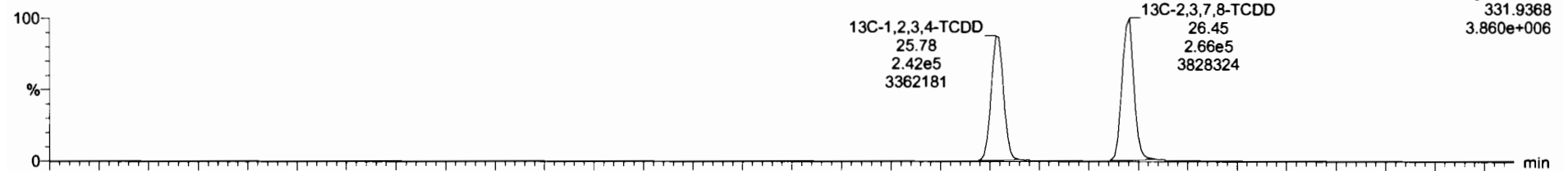


200609R1_3

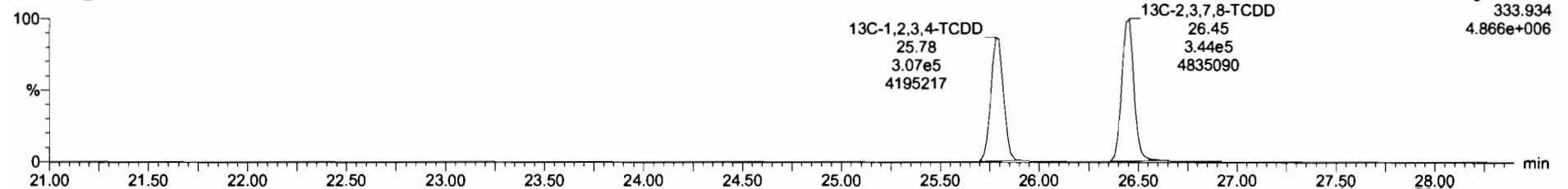


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200609R1_3



200609R1_3



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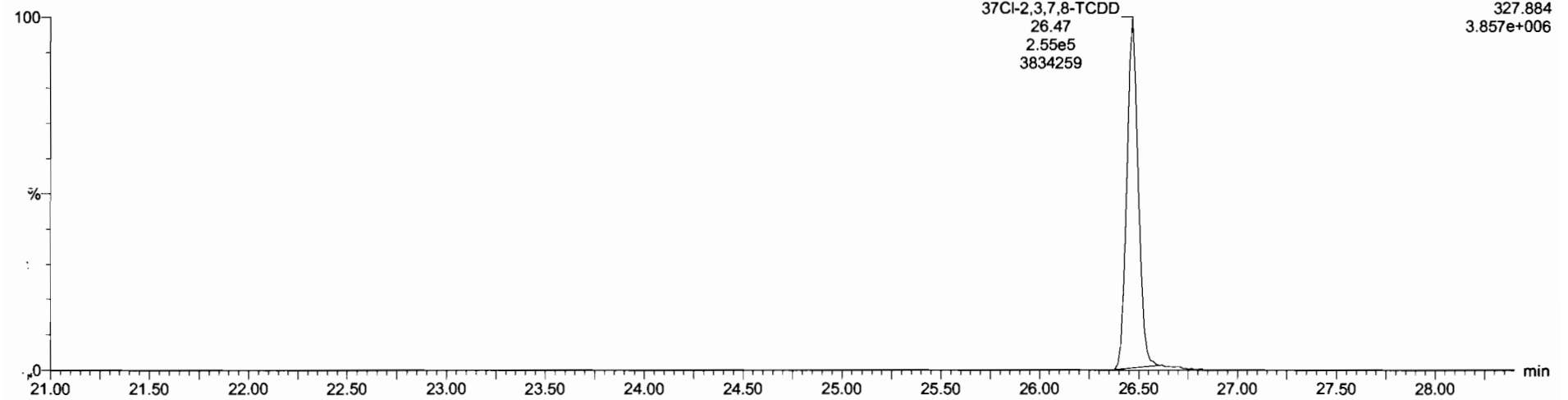
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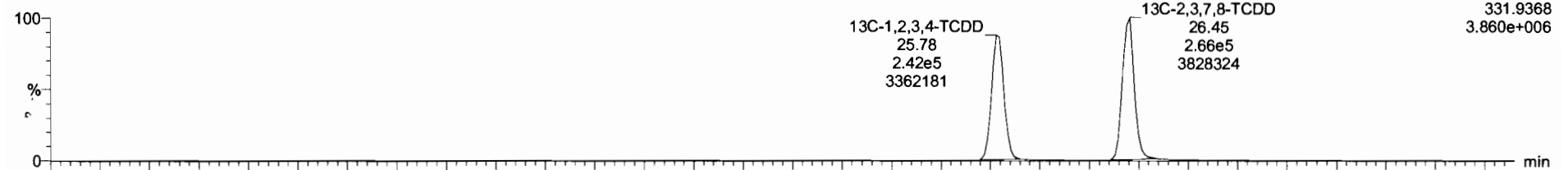
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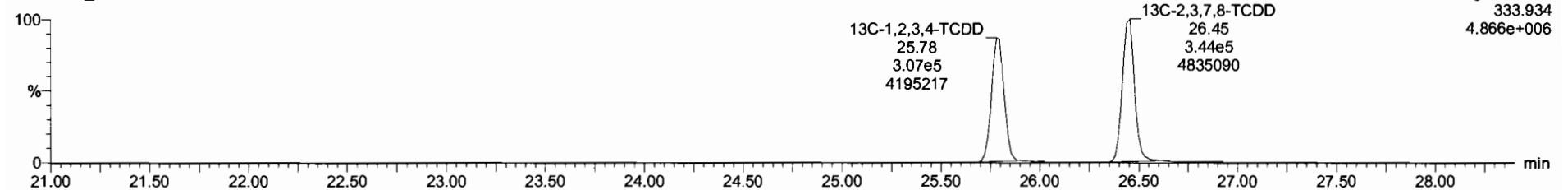


13C-1,2,3,4-TCDD

200609R1_3



200609R1_3



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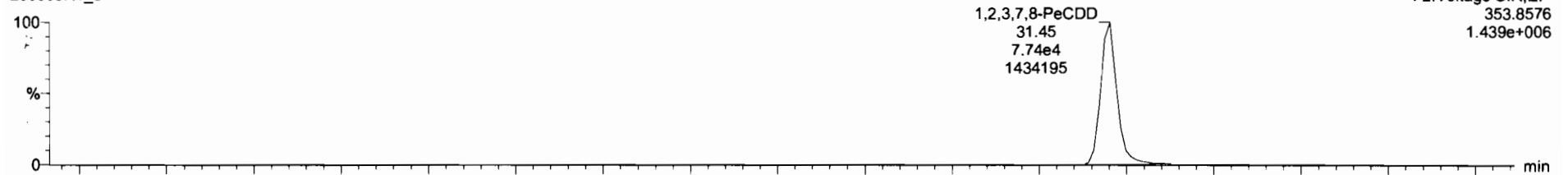
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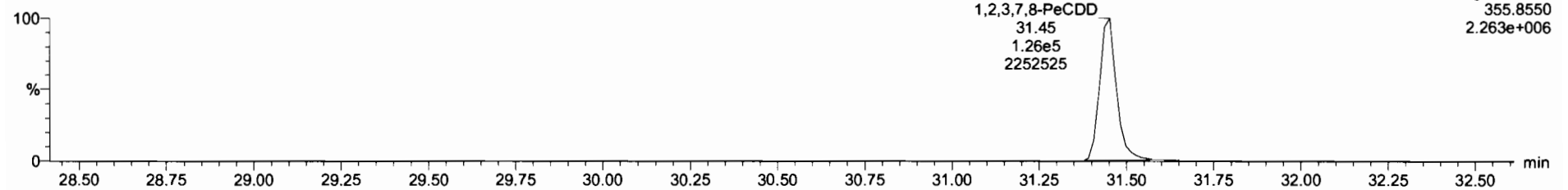
Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

1,2,3,7,8-PeCDD

200609R1_3

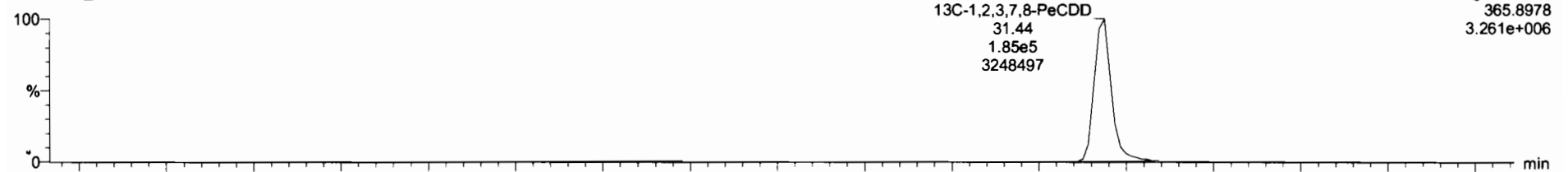


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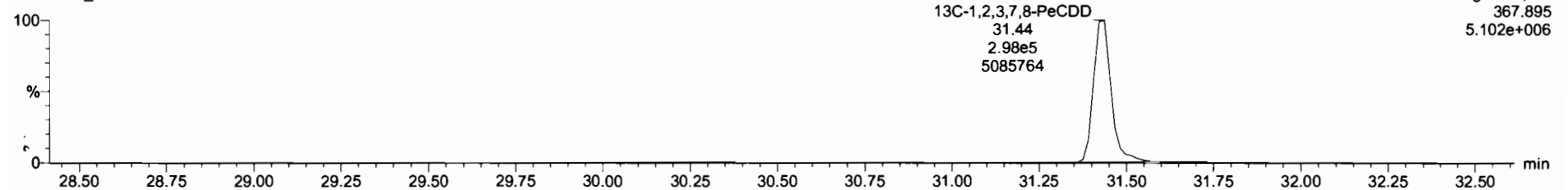


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200609R1_3



200609R1_3



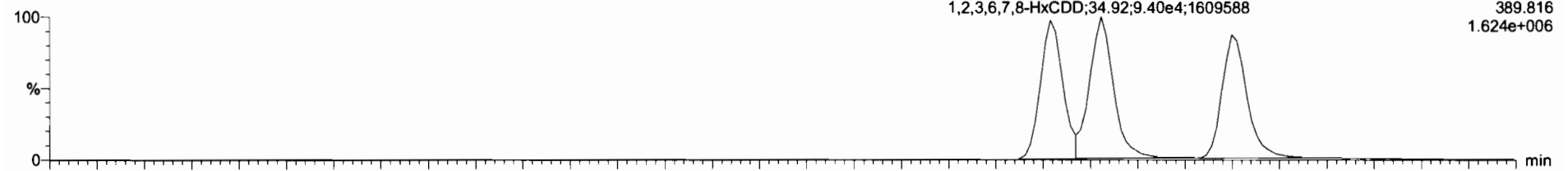
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

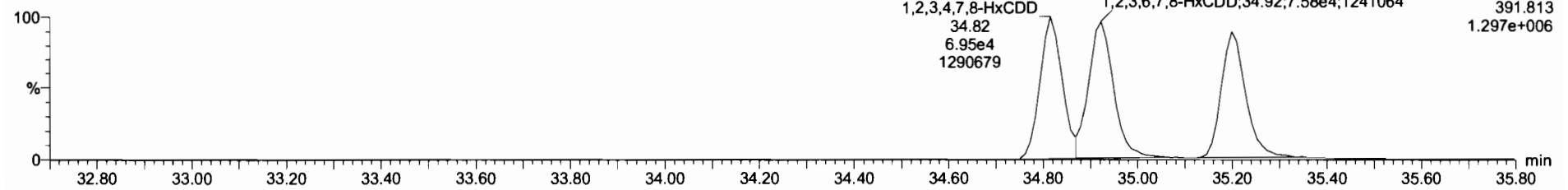
Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

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

200609R1_3

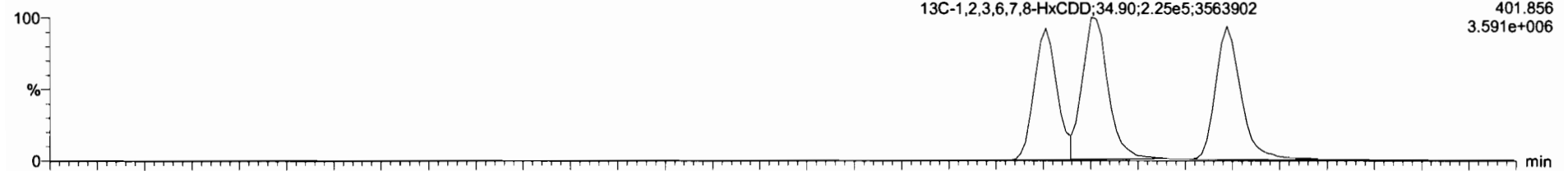


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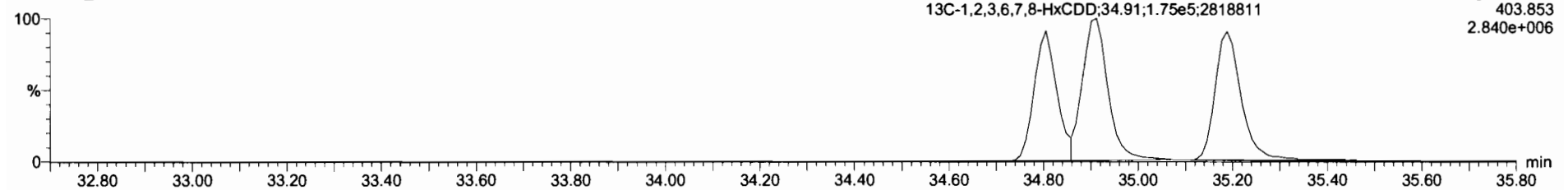


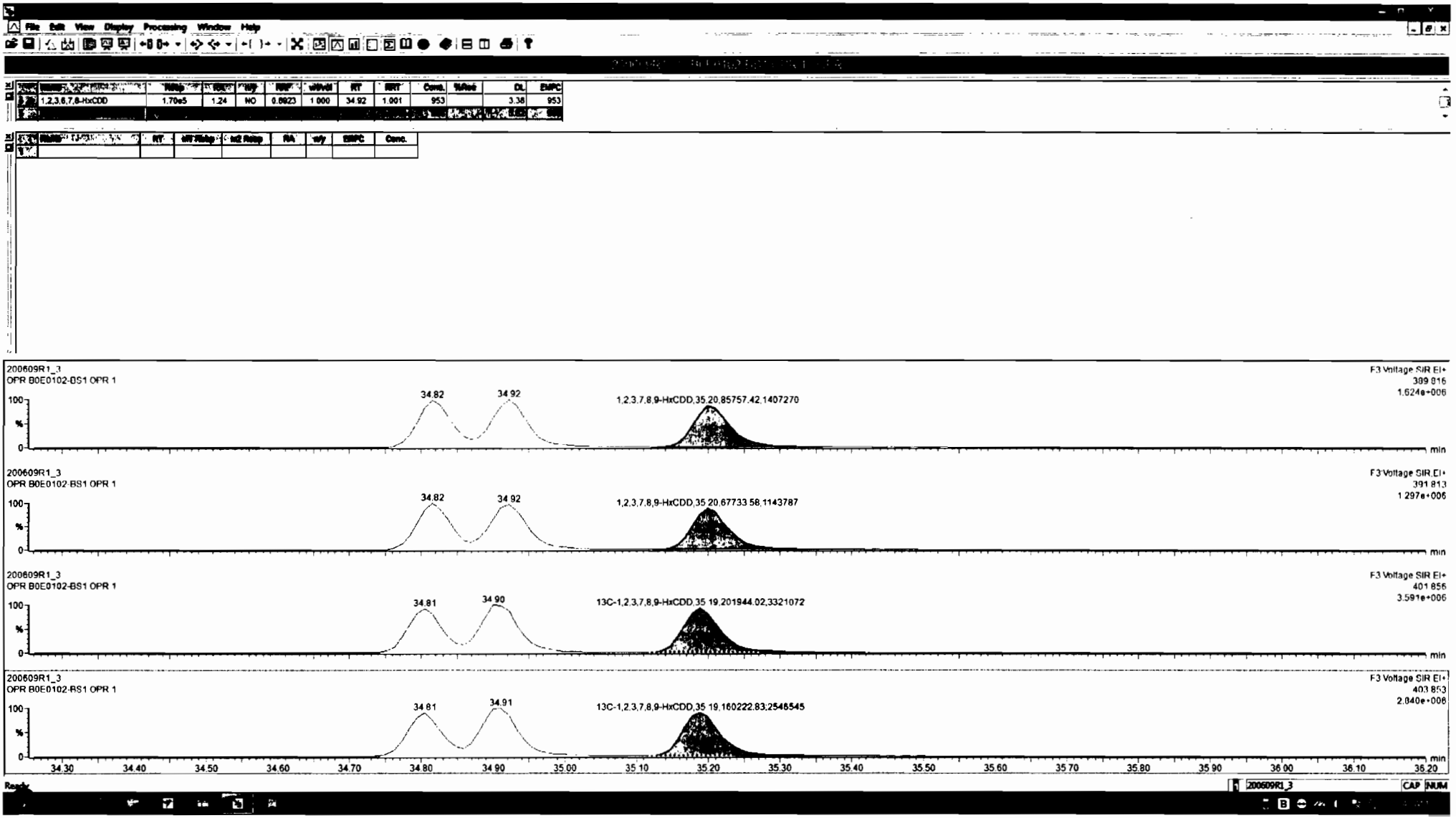
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200609R1_3



200609R1_3





NAME	RT	Area	Height	W	RT	Area	Height	W	RT	Area	Height	W
1,2,3,7,8-HxCDD	1.70e5	1.24	NO	0.0023	1.000	34.92	1.001	953	3.38	953		

NAME	RT	Area	Height	W	RT	Area	Height	W

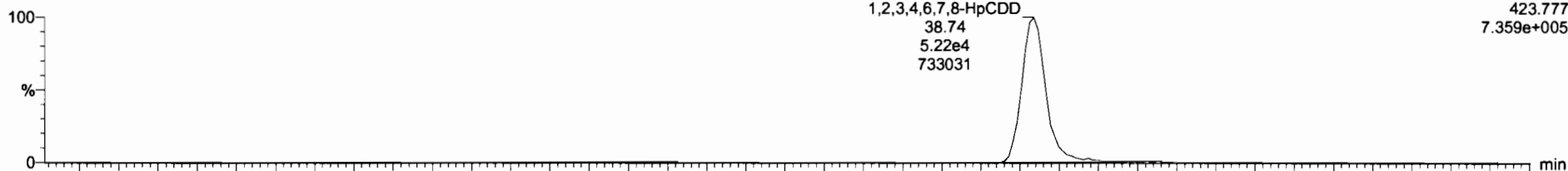
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

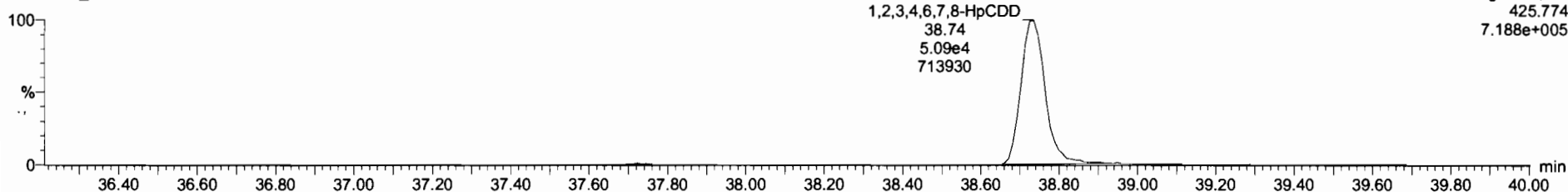
Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

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

200609R1_3

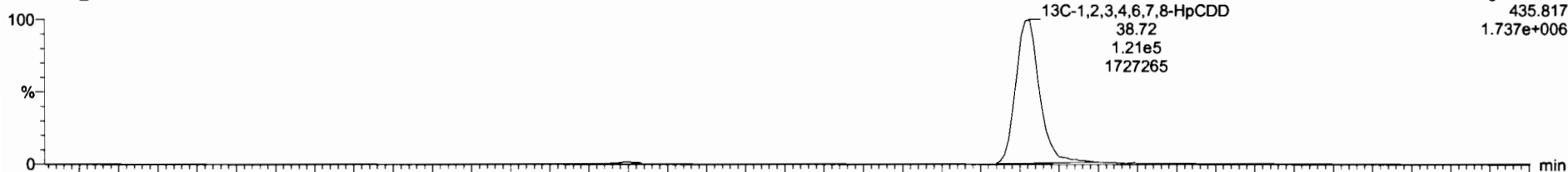


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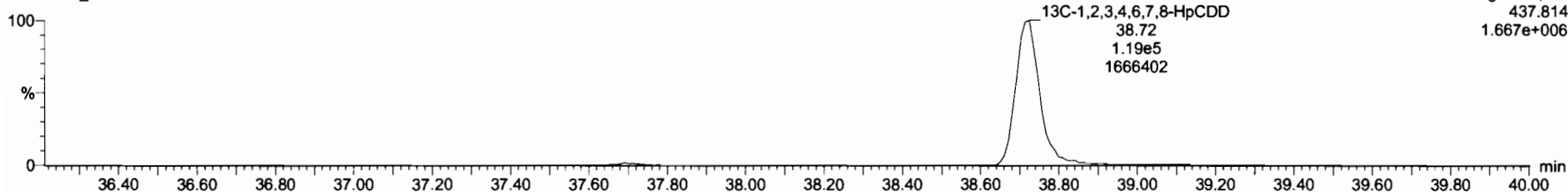


13C-1,2,3,4,6,7,8-HpCDD

200609R1_3



200609R1_3

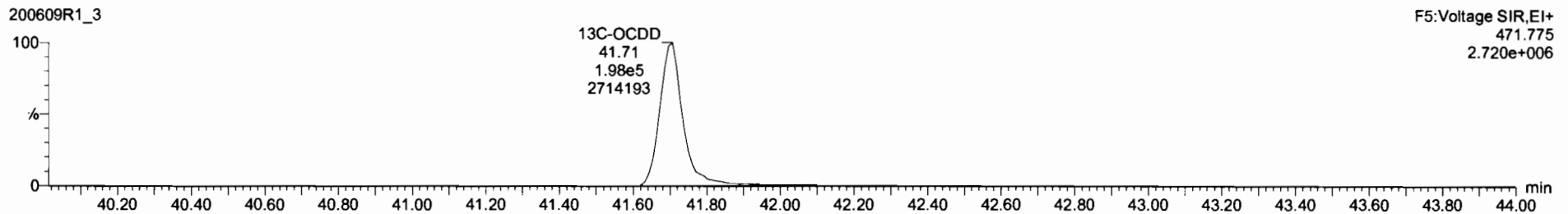
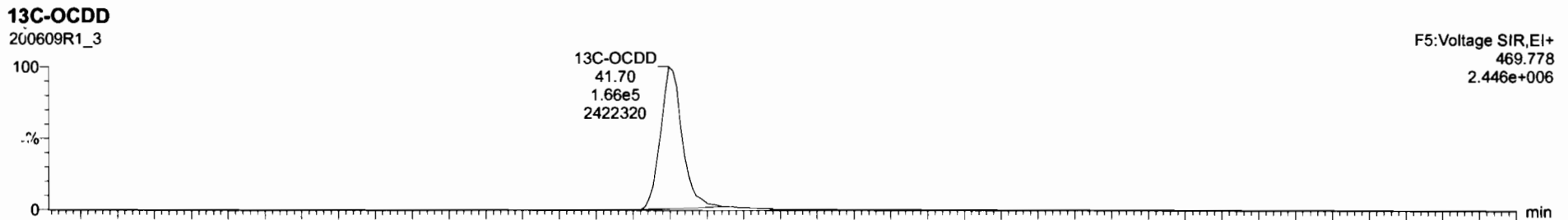
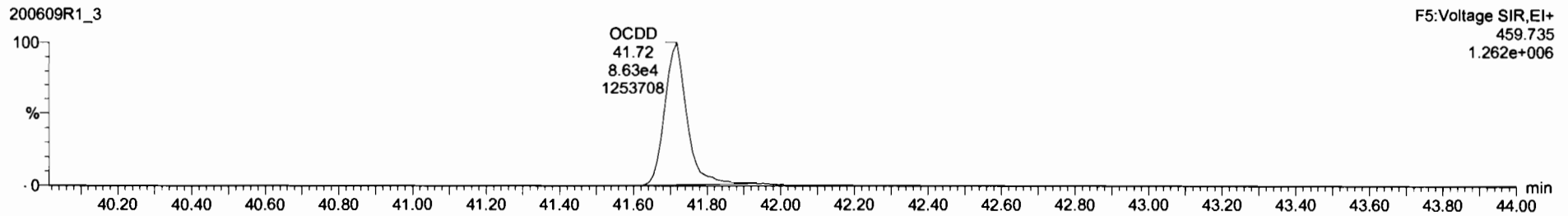
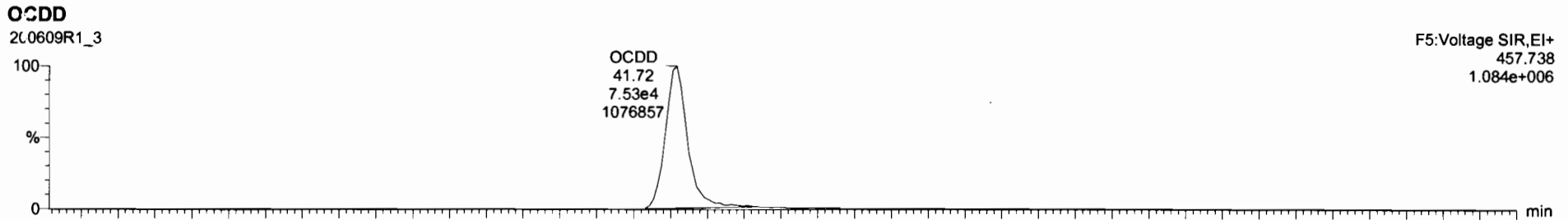


Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR



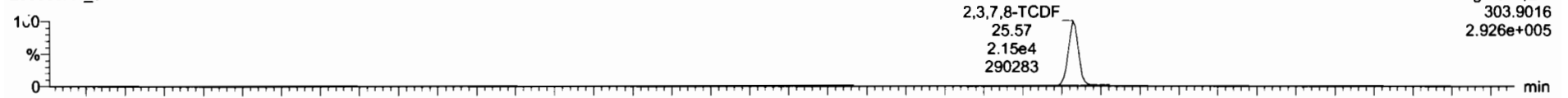
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

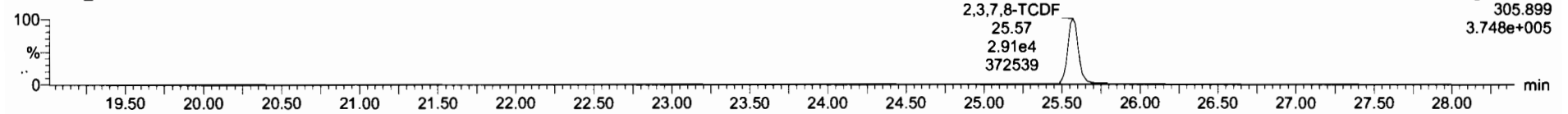
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2,3,7,8-TCDF

200609R1_3

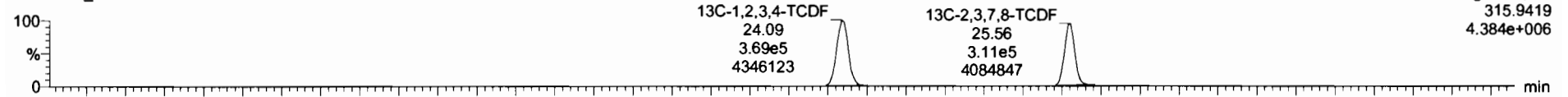


200609R1_3

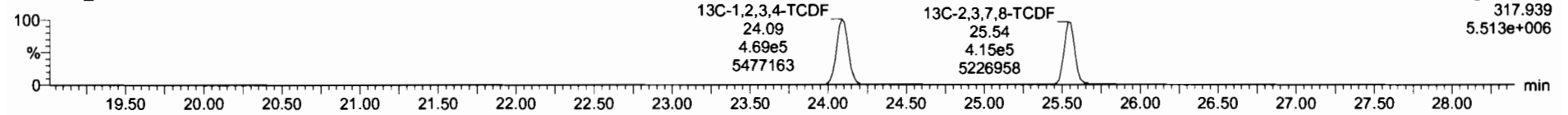


13C-2,3,7,8-TCDF

200609R1_3

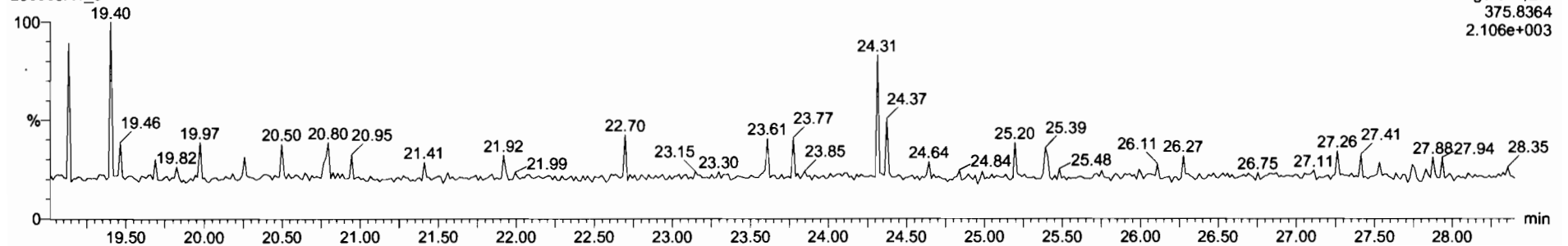


200609R1_3



DPE1

200609R1_3



Dataset: Untitled

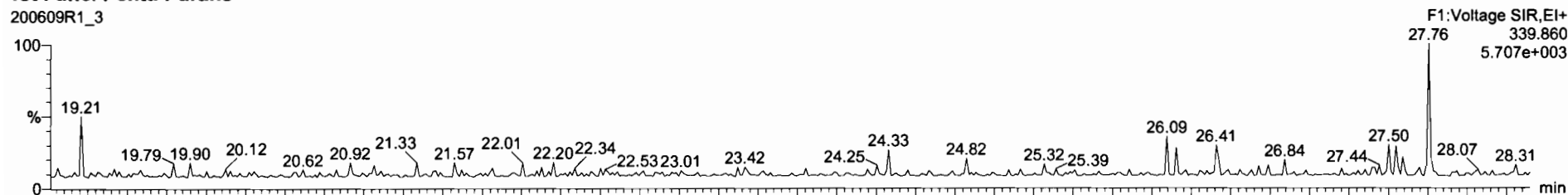
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

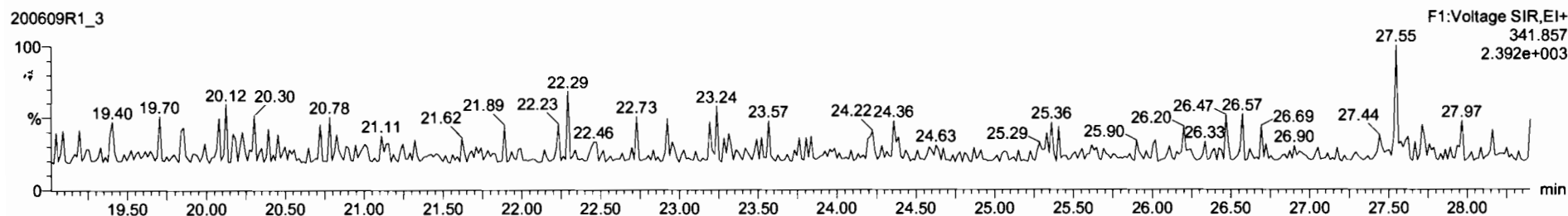
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1st Func. Penta-Furans

200609R1_3

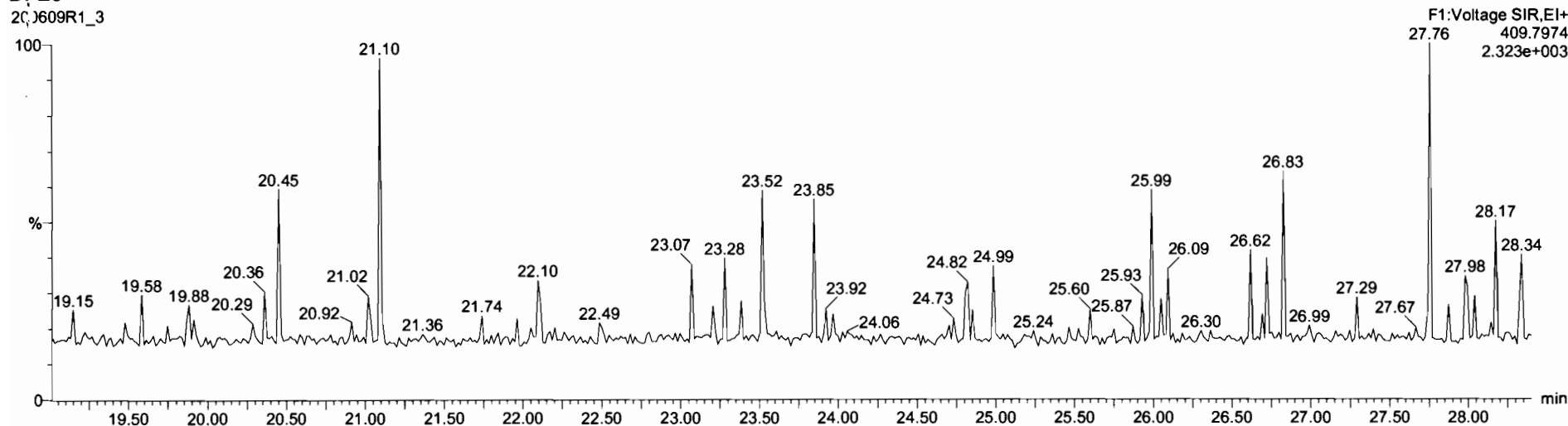


200609R1_3



DPE6

200609R1_3



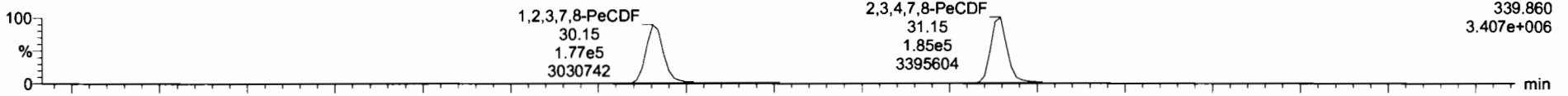
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Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

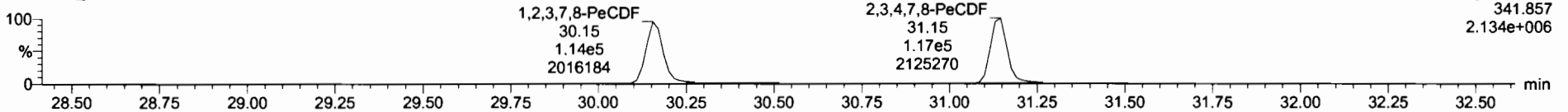
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1,2,3,7,8-PeCDF

200609R1_3

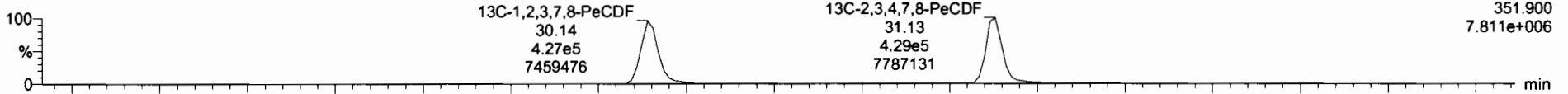


200609R1_3

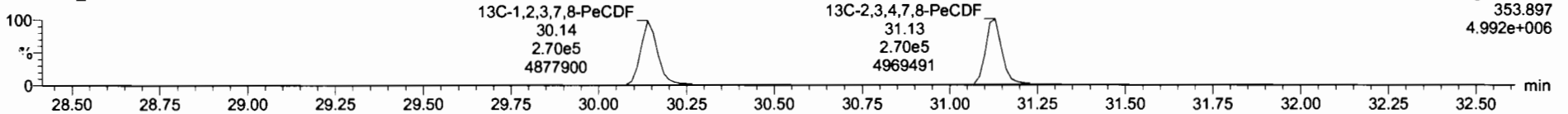


13C-1,2,3,7,8-PeCDF

200609R1_3

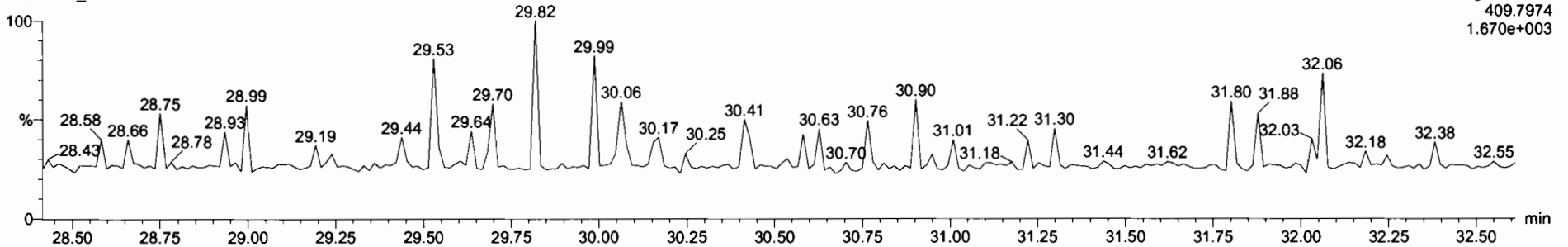


200609R1_3



DPE2

200609R1_3



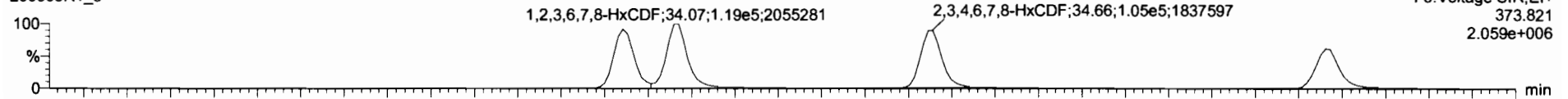
Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

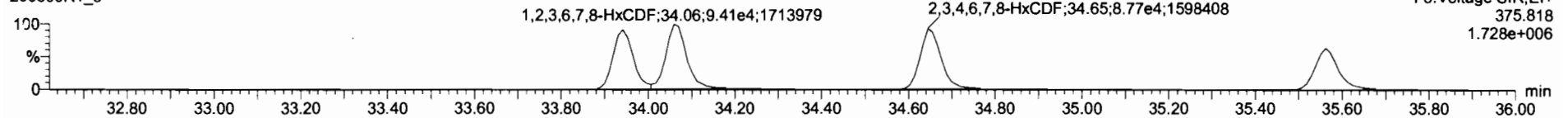
Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

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

200609R1_3

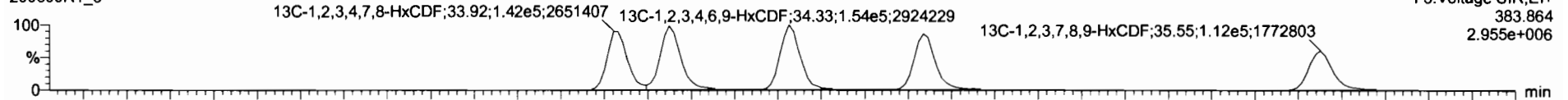


200609R1_3

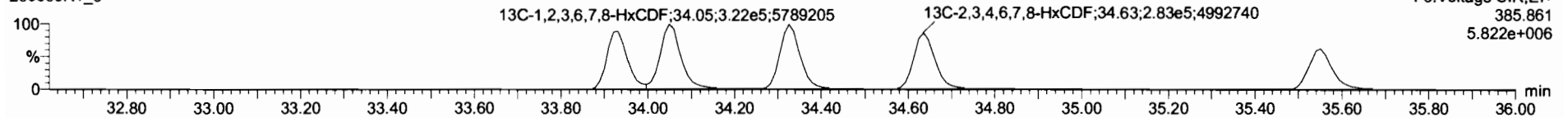


13C-1,2,3,4,7,8-HxCDF

200609R1_3

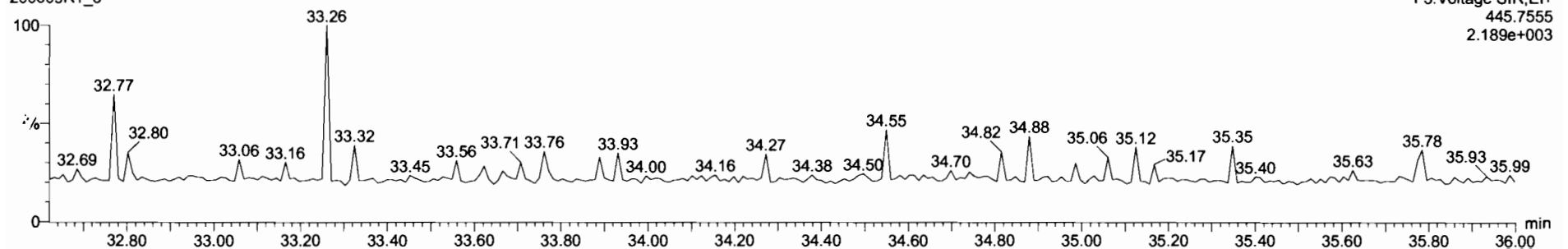


200609R1_3



DPE3

200609R1_3



Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

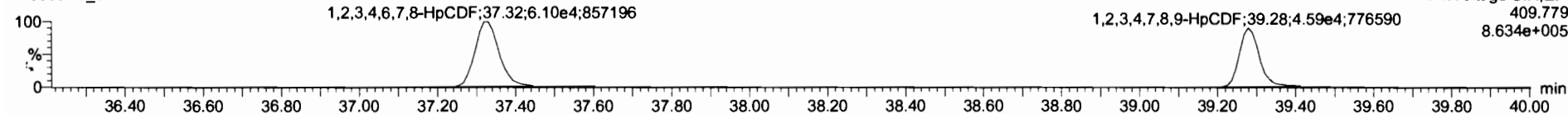
1,2,3,4,6,7,8-HpCDF

200609R1_3



F4:Voltage SIR,EI+
407.782
8.784e+005

200609R1_3



F4:Voltage SIR,EI+
409.779
8.634e+005

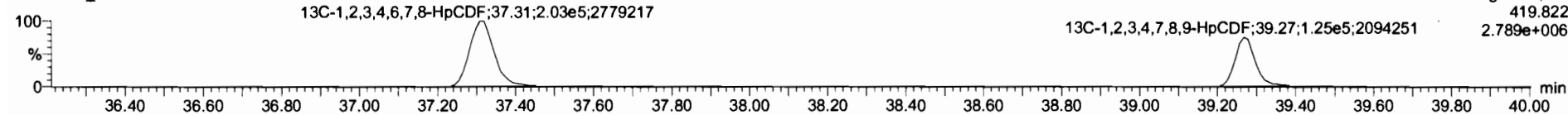
13C-1,2,3,4,6,7,8-HpCDF

200609R1_3



F4:Voltage SIR,EI+
417.825
1.205e+006

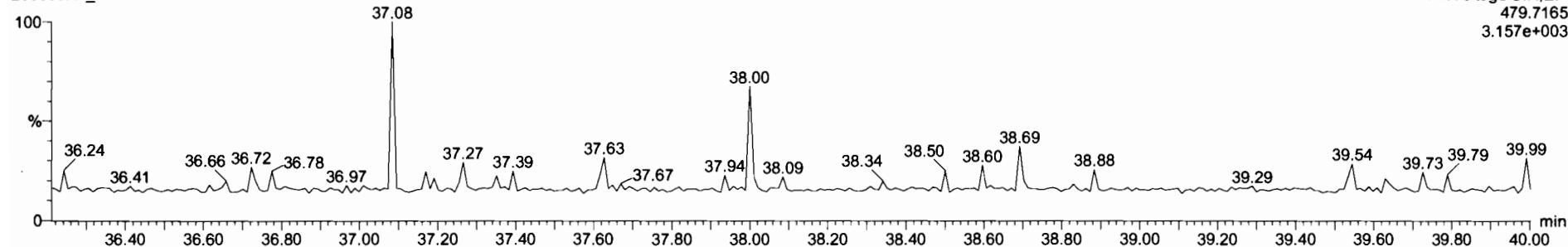
200609R1_3



F4:Voltage SIR,EI+
419.822
2.789e+006

DPE4

200609R1_3



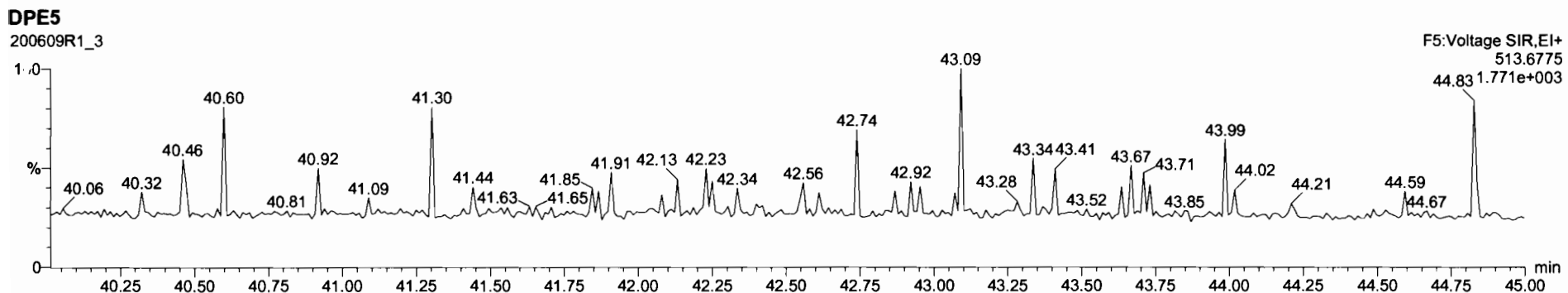
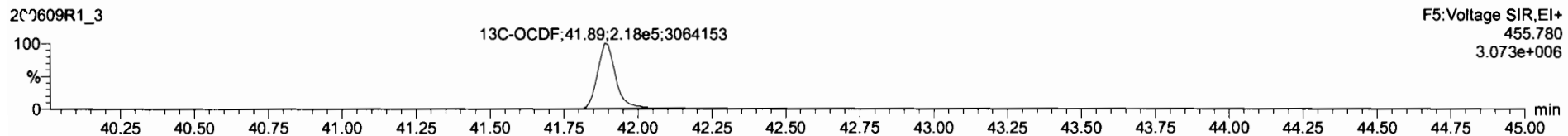
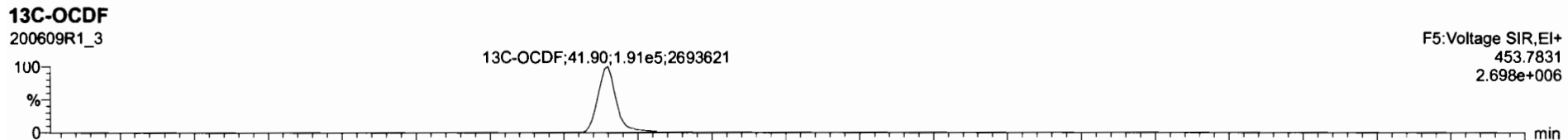
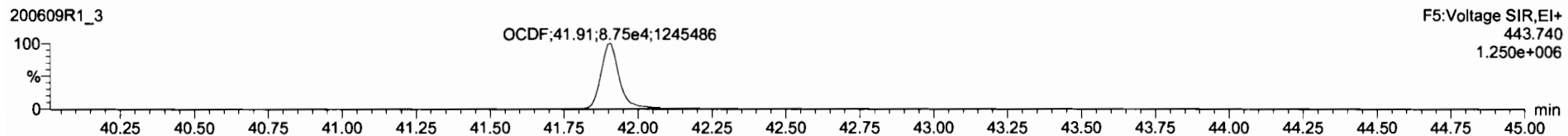
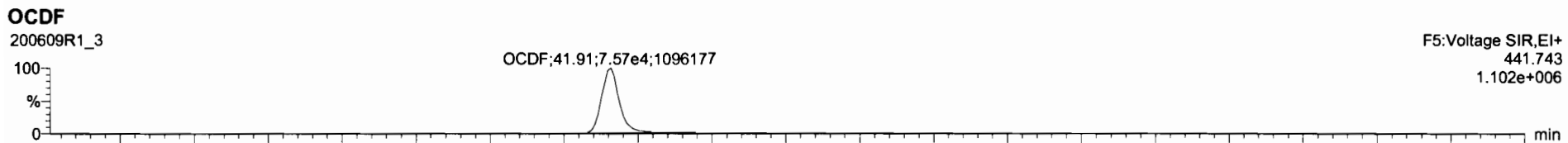
F4:Voltage SIR,EI+
479.7165
3.157e+003

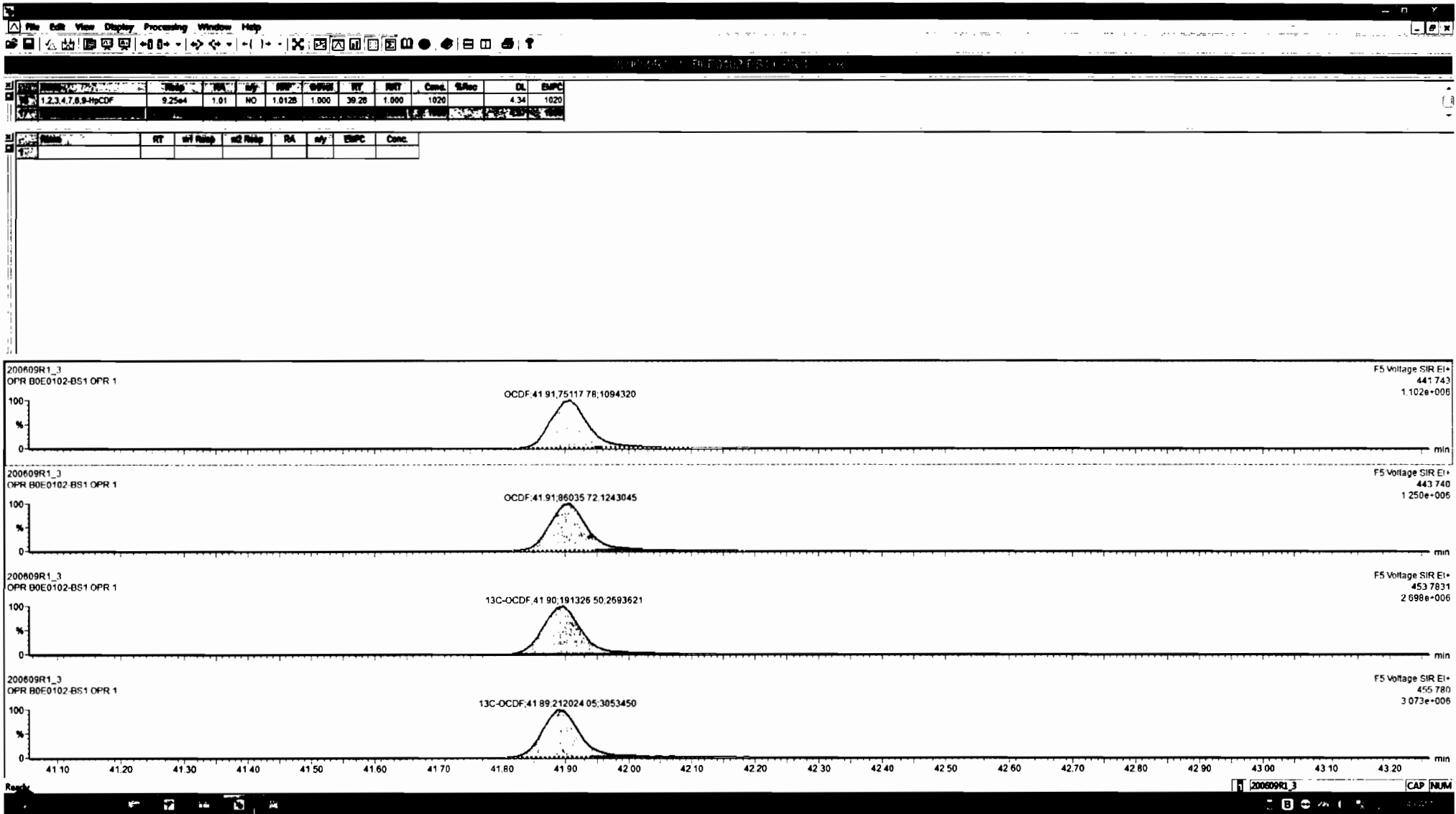
Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR





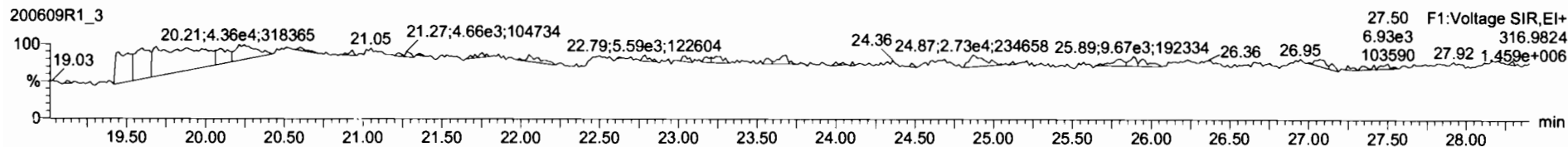
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Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time

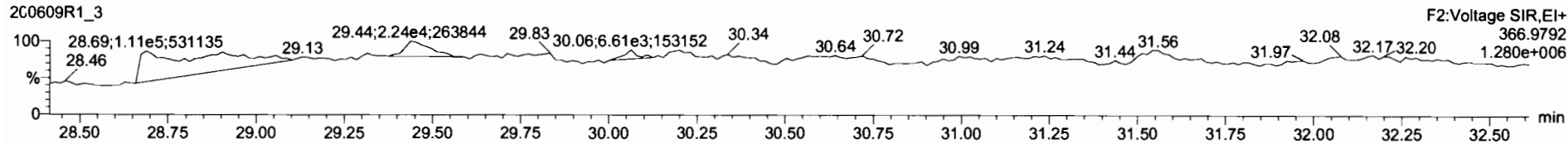
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_3, Date: 09-Jun-2020, Time: 12:31:50, ID: B0E0102-BS1 OPR 1, Description: OPR

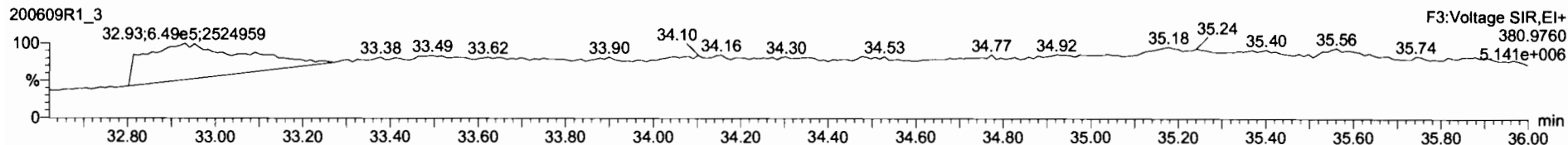
PFK1



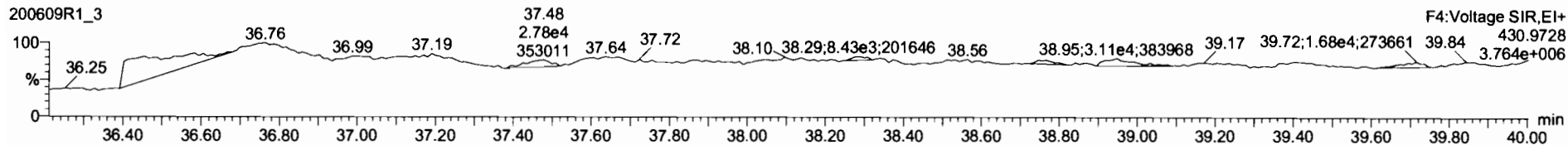
PFK2



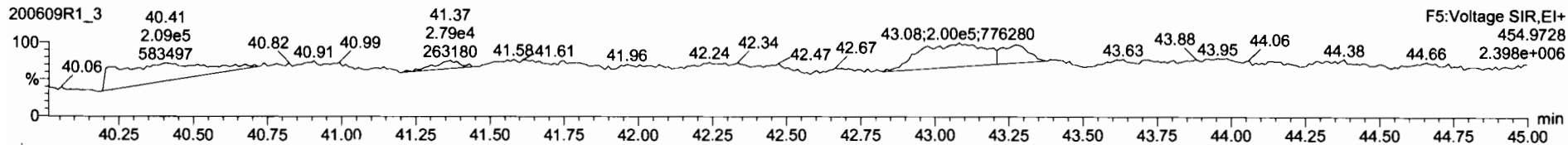
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200609R1\200609R1-9.qld

Last Altered: Wednesday, June 10, 2020 09:12:15 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 09:15:17 Pacific Daylight Time

GRS 06/10/2020

C106/11/2020

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

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

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	1.054	26.501		1.001				0.541	
2	2 1,2,3,7,8-PeCDD			NO	0.908	1.054	31.457		1.001				0.850	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	1.054	34.814		1.000				0.952	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	1.054	34.911		1.000				0.997	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	1.054	35.209		1.000				1.12	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.864	1.054	38.736		1.000				1.90	
7	7 OCDD	9.88e2	0.83	NO	0.914	1.054	41.717	41.77	1.000	1.001	10.773		3.42	10.8
8	8 2,3,7,8-TCDF			NO	0.751	1.054	25.597		1.001				0.535	
9	9 1,2,3,7,8-PeCDF			NO	0.893	1.054	30.175		1.001				0.472	
10	10 2,3,4,7,8-PeCDF			NO	0.935	1.054	31.161		1.001				0.451	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	1.054	33.931		1.000				0.526	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	1.054	34.069		1.000				0.512	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	1.054	34.680		1.001				0.514	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	1.054	35.561		1.000				0.821	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	1.054	37.365		1.001				0.900	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	1.054	39.278		1.000				1.13	
17	17 OCDF			NO	0.806	1.054	41.909		1.000				1.20	
18	18 13C-2,3,7,8-TCDD	8.32e5	0.81	NO	1.16	1.054	26.491	26.47	1.026	1.026	1912.4	101	2.80	
19	19 13C-1,2,3,7,8-PeCDD	5.77e5	0.63	NO	0.849	1.054	31.674	31.43	1.227	1.218	1807.3	95.2	3.69	
20	20 13C-1,2,3,4,7,8-HxCDD	3.45e5	1.28	NO	0.779	1.054	34.820	34.80	1.014	1.014	1441.7	76.0	5.50	
21	21 13C-1,2,3,6,7,8-HxCDD	4.70e5	1.26	NO	1.02	1.054	34.933	34.91	1.017	1.017	1503.3	79.2	4.21	
22	22 13C-1,2,3,7,8,9-HxCDD	3.97e5	1.22	NO	0.903	1.054	35.205	35.20	1.025	1.025	1429.0	75.3	4.75	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.53e5	1.05	NO	0.689	1.054	38.728	38.72	1.128	1.128	1194.0	62.9	5.13	
24	24 13C-OCDD	3.81e5	0.87	NO	0.652	1.054	41.749	41.72	1.216	1.215	1899.9	50.1	7.03	
25	25 13C-2,3,7,8-TCDF	1.03e6	0.75	NO	1.06	1.054	25.534	25.57	0.989	0.991	1768.1	93.2	3.16	
26	26 13C-1,2,3,7,8-PeCDF	8.39e5	1.56	NO	0.838	1.054	30.058	30.15	1.165	1.168	1819.6	95.9	6.95	
27	27 13C-2,3,4,7,8-PeCDF	8.24e5	1.61	NO	0.817	1.054	31.011	31.13	1.202	1.206	1834.6	96.7	7.13	
28	28 13C-1,2,3,4,7,8-HxCDF	4.50e5	0.50	NO	1.01	1.054	33.951	33.93	0.989	0.988	1450.9	76.5	7.33	
29	29 13C-1,2,3,6,7,8-HxCDF	5.05e5	0.50	NO	1.17	1.054	34.075	34.06	0.992	0.992	1406.6	74.1	6.32	
30	30 13C-2,3,4,6,7,8-HxCDF	4.73e5	0.50	NO	1.02	1.054	34.648	34.65	1.009	1.009	1506.2	79.4	7.22	
31	31 13C-1,2,3,7,8,9-HxCDF	3.76e5	0.49	NO	0.860	1.054	35.548	35.56	1.035	1.036	1423.9	75.0	8.59	

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-9.qld

Last Altered: Wednesday, June 10, 2020 09:12:15 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 09:15:17 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.89e5	0.42	NO	0.774	1.054	37.296	37.33	1.086	1.087	1214.2	64.0	4.51	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.81e5	0.42	NO	0.521	1.054	39.325	39.28	1.145	1.144	1131.2	59.6	6.70	
34	34 13C-OCDF	4.09e5	0.90	NO	0.746	1.054	41.921	41.91	1.221	1.221	1784.8	47.0	5.04	
35	35 37Cl-2,3,7,8-TCDD	3.34e5			1.04	1.054	26.522	26.48	1.028	1.026	855.97	113	0.385	
36	36 13C-1,2,3,4-TCDD	7.14e5	0.80	NO	1.00	1.054	25.890	25.81	1.000	1.000	1897.5	100	3.24	
37	37 13C-1,2,3,4-TCDF	1.04e6	0.78	NO	1.00	1.054	24.360	24.12	1.000	1.000	1897.5	100	3.34	
38	38 13C-1,2,3,4,6,9-HxCDF	5.84e5	0.51	NO	1.00	1.054	34.420	34.34	1.000	1.000	1897.5	100	7.38	
39	39 Total Tetra-Dioxins				0.888	1.054	24.620		0.000				0.287	
40	40 Total Penta-Dioxins				0.908	1.054	29.960		0.000				0.397	
41	41 Total Hexa-Dioxins				0.892	1.054	33.635		0.000				0.592	
42	42 Total Hepta-Dioxins				0.864	1.054	37.640		0.000				0.973	
43	43 Total Tetra-Furans				0.751	1.054	23.610		0.000				0.251	
44	44 1st Func. Penta-Furans				0.893	1.054	27.580		0.000				0.0847	
45	45 Total Penta-Furans				0.893	1.054	29.275		0.000				0.228	
46	46 Total Hexa-Furans				0.934	1.054	33.555		0.000				0.321	
47	47 Total Hepta-Furans				0.873	1.054	37.835		0.000				0.567	

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Dataset: U:\VG12.PRO\Results\200609R1\200609R1-9.qld

Last Altered: Wednesday, June 10, 2020 09:12:15 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 09:15:17 Pacific Daylight Time

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

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

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-9.qld

Last Altered: Wednesday, June 10, 2020 09:12:15 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 09:15:17 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

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												

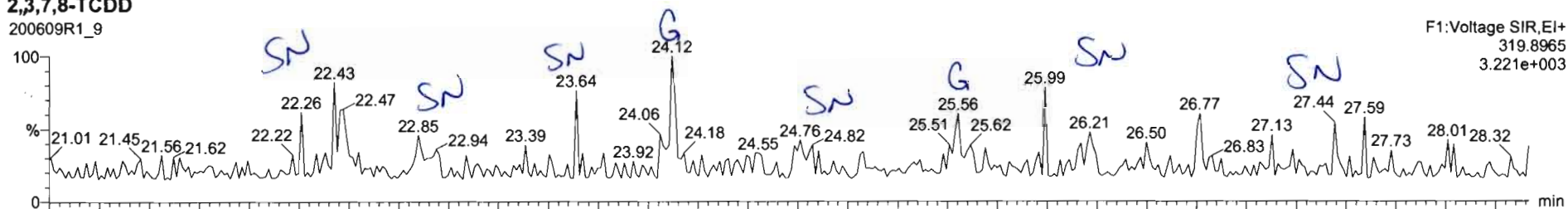
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Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

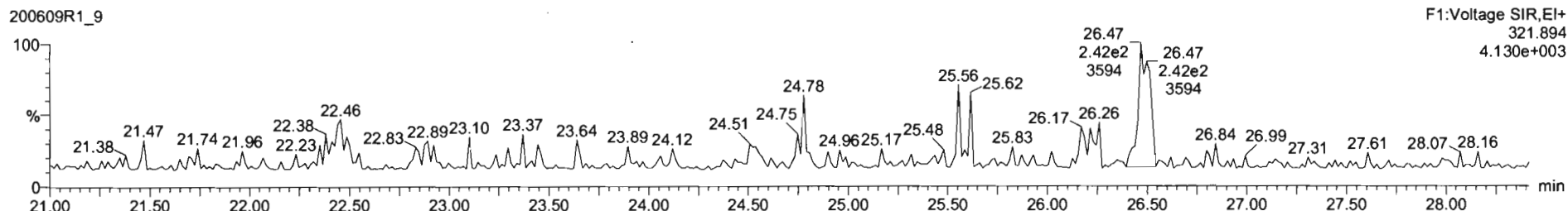
Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

2,3,7,8-TCDD

200609R1_9

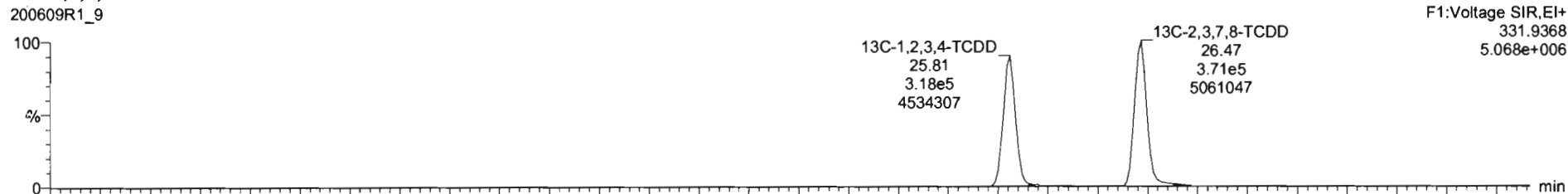


200609R1_9

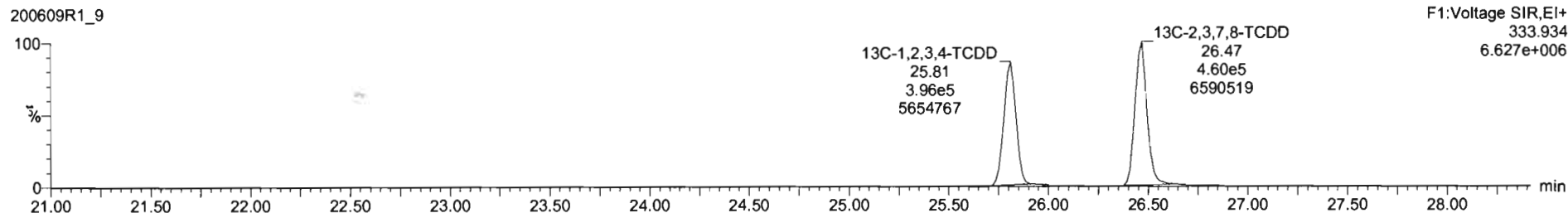


13C-2,3,7,8-TCDD

200609R1_9



200609R1_9



Dataset: Untitled

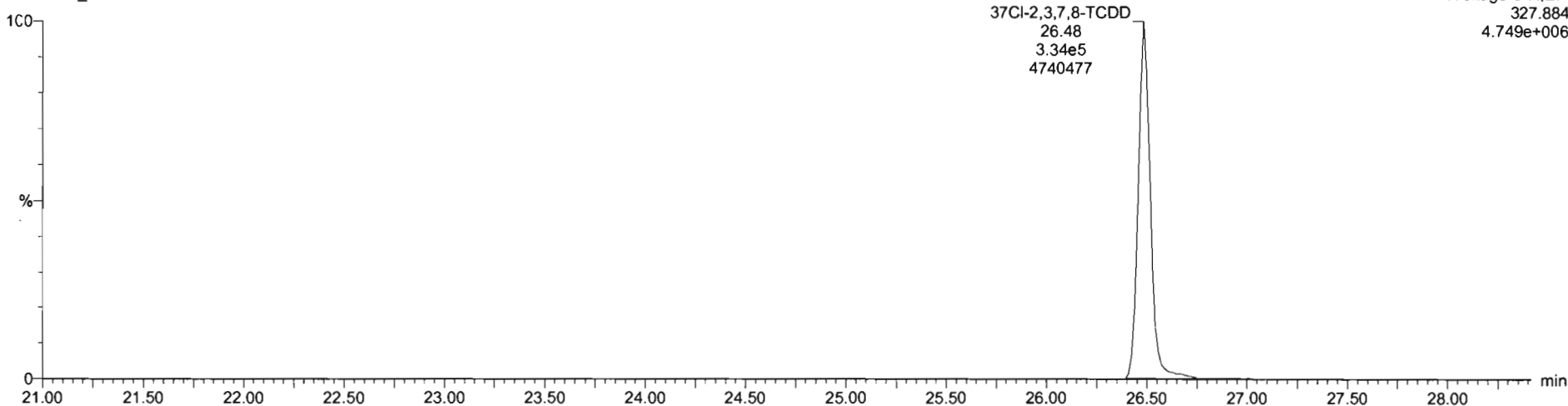
Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

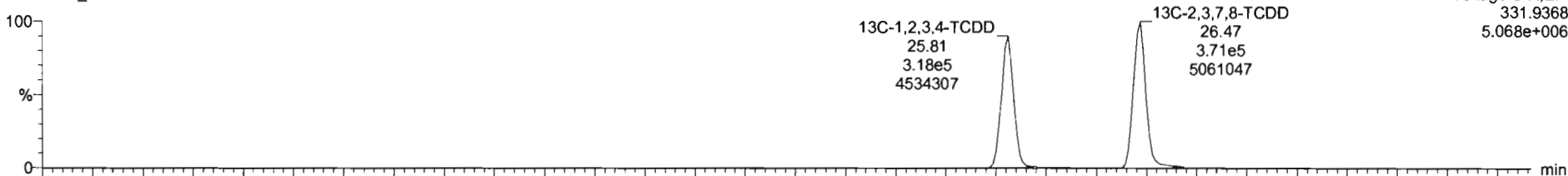
37Cl-2,3,7,8-TCDD

200609R1_9

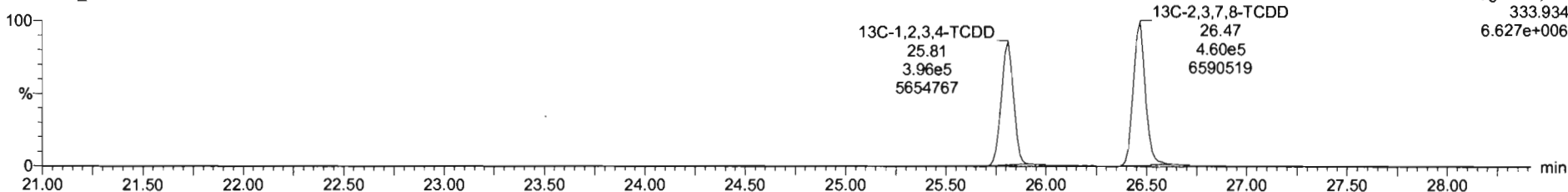


13C-1,2,3,4-TCDD

200609R1_9



200609R1_9



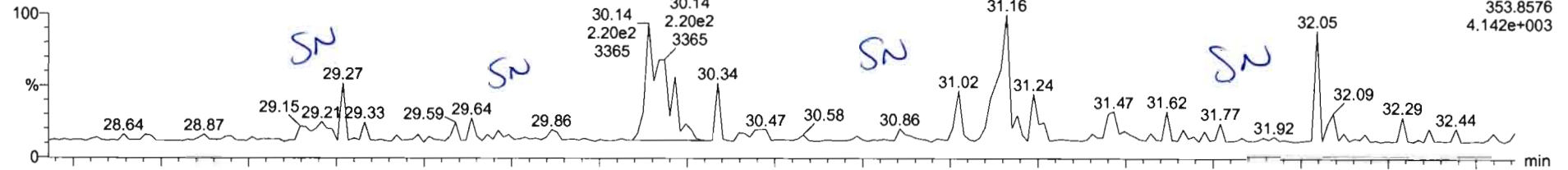
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Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

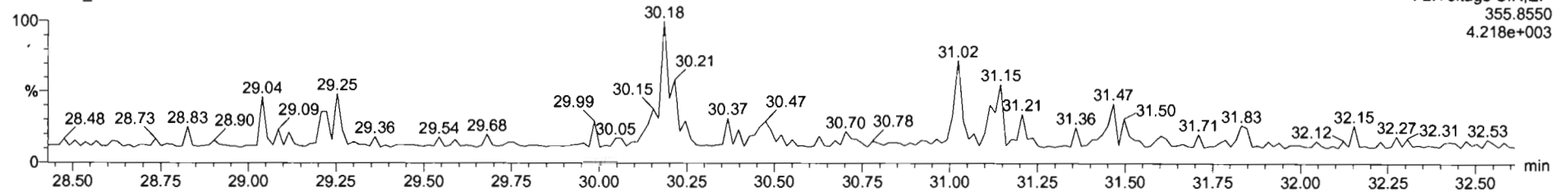
1,2,3,7,8-PeCDD

200609R1_9



F2:Voltage SIR,EI+
353.8576
4.142e+003

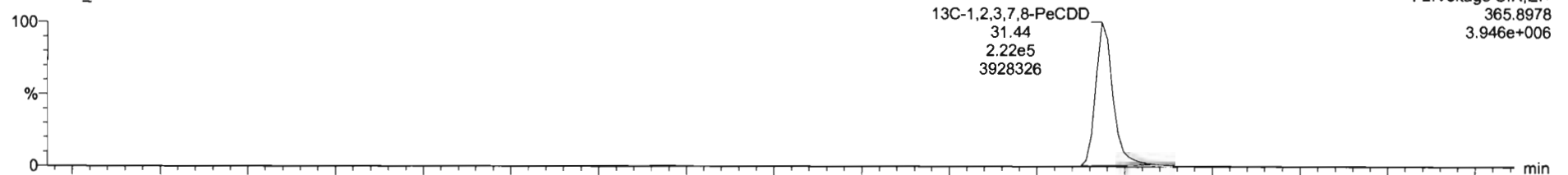
200609R1_9



F2:Voltage SIR,EI+
355.8550
4.218e+003

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

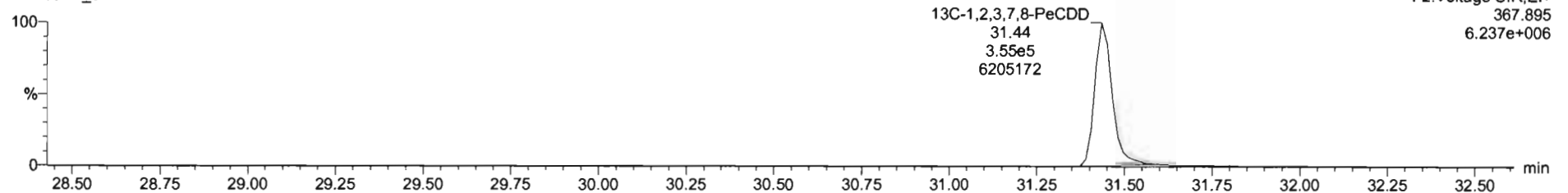
200609R1_9



13C-1,2,3,7,8-PeCDD
31.44
2.22e5
3928326

F2:Voltage SIR,EI+
365.8978
3.946e+006

200609R1_9



13C-1,2,3,7,8-PeCDD
31.44
3.55e5
6205172

F2:Voltage SIR,EI+
367.895
6.237e+006

Dataset: Untitled

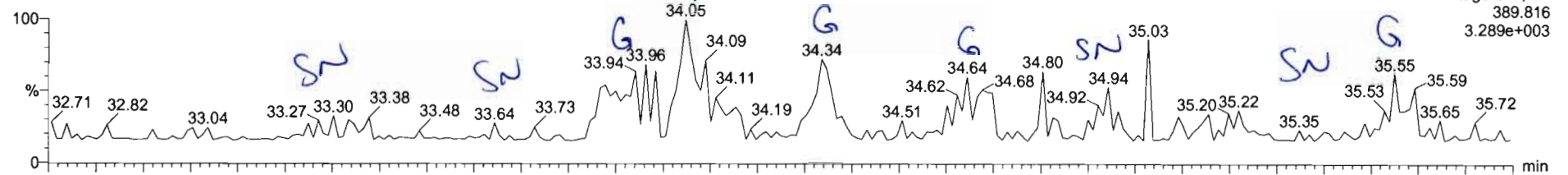
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

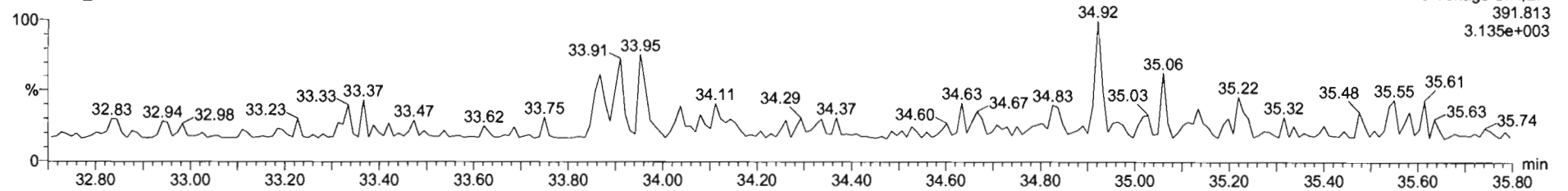
Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

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

200609R1_9

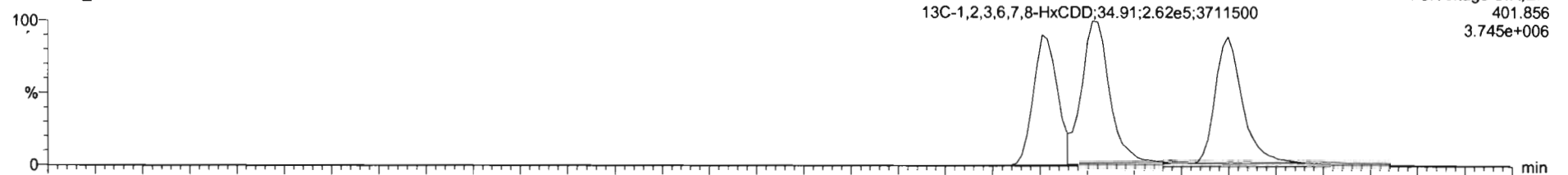


200609R1_9

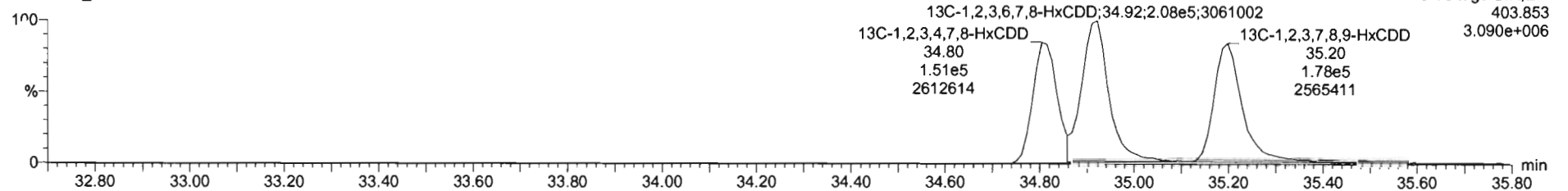


13C-1,2,3,4,7,8-HxCDD

200609R1_9



200609R1_9

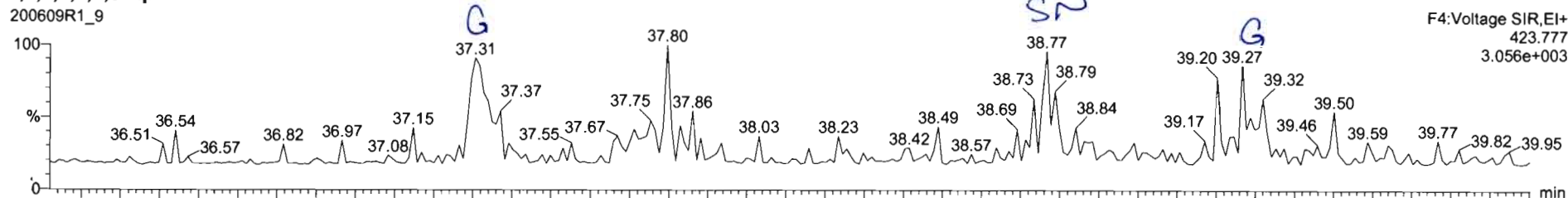


Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

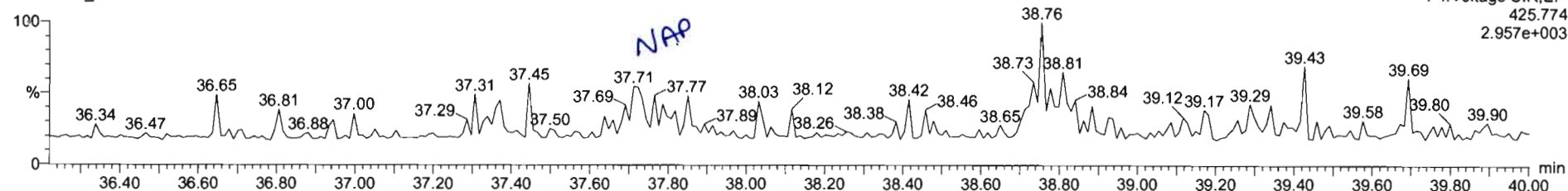
Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

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



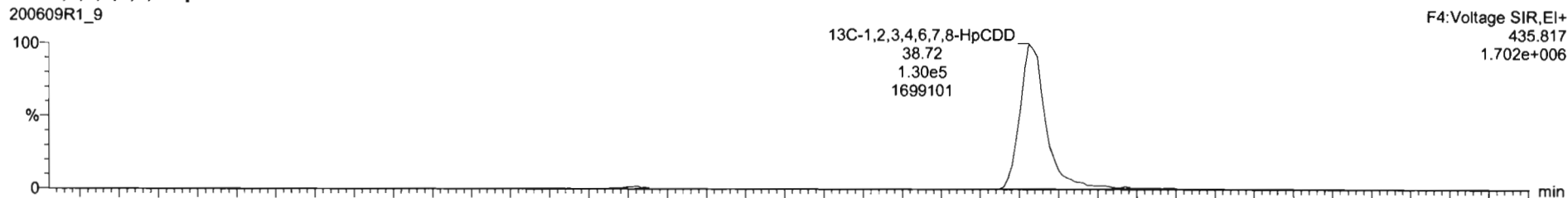
F4:Voltage SIR,EI+
423.777
3.056e+003

200609R1_9



F4:Voltage SIR,EI+
425.774
2.957e+003

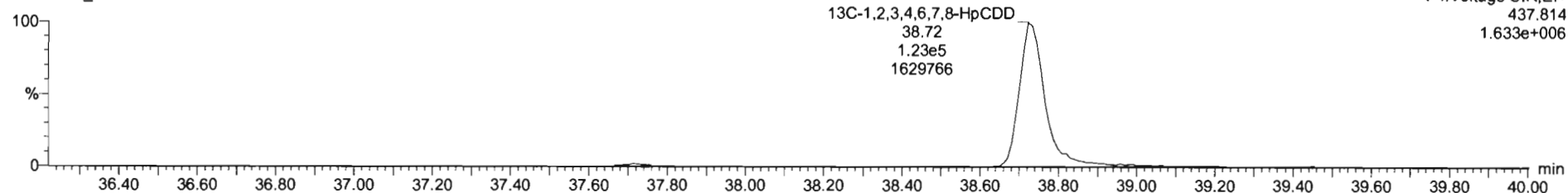
13C-1,2,3,4,6,7,8-HpCDD



13C-1,2,3,4,6,7,8-HpCDD
38.72
1.30e5
1699101

F4:Voltage SIR,EI+
435.817
1.702e+006

200609R1_9



13C-1,2,3,4,6,7,8-HpCDD
38.72
1.23e5
1629766

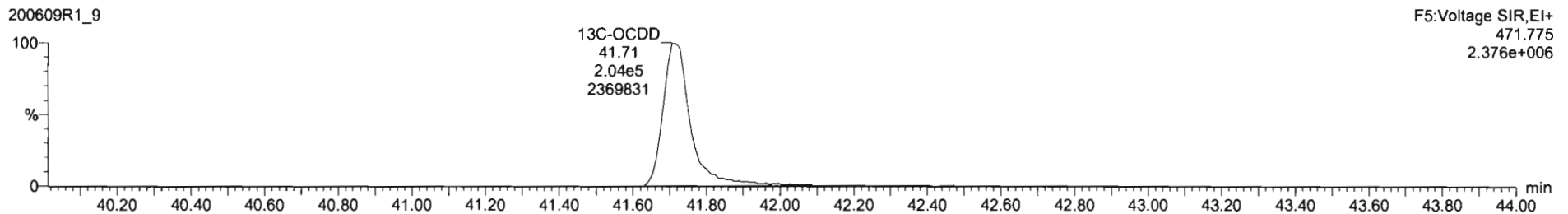
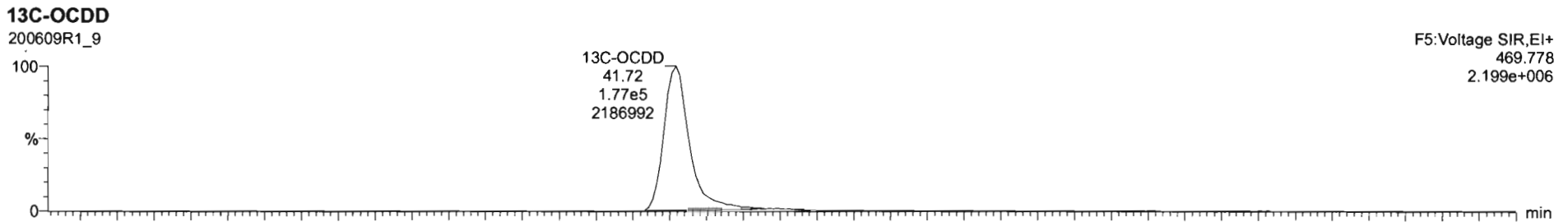
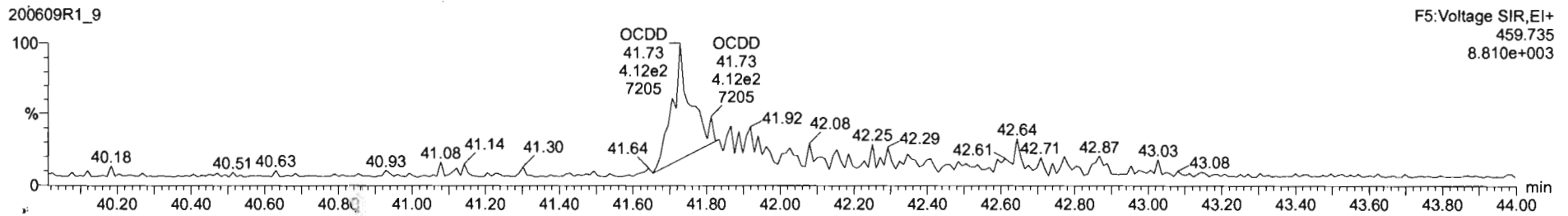
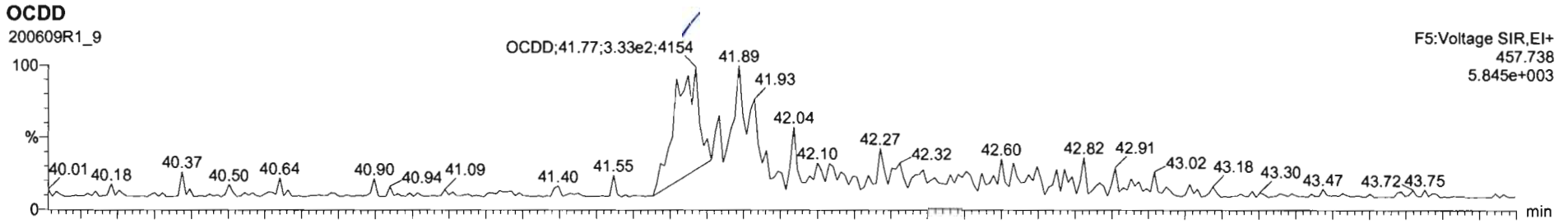
F4:Voltage SIR,EI+
437.814
1.633e+006

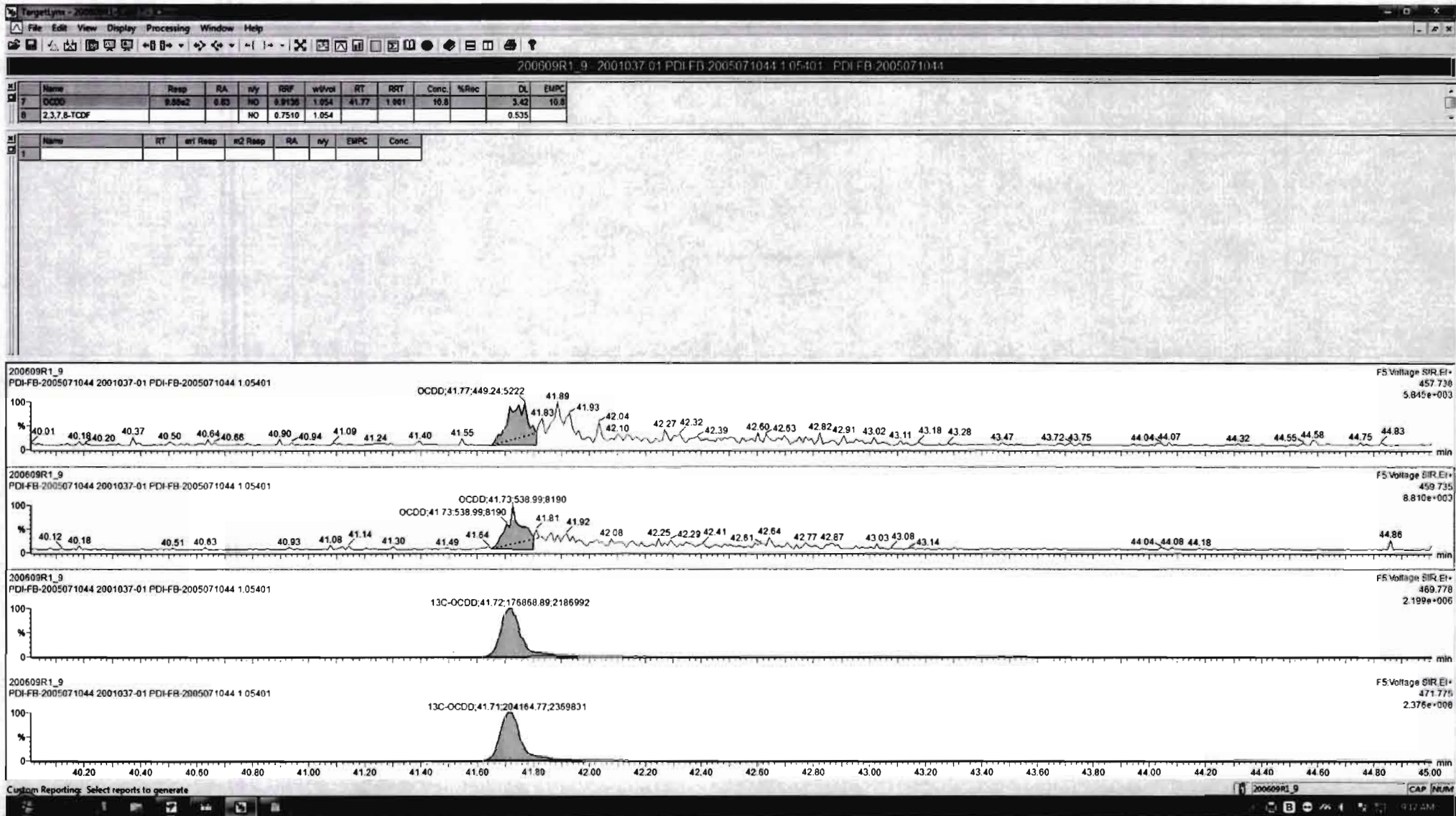
Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044



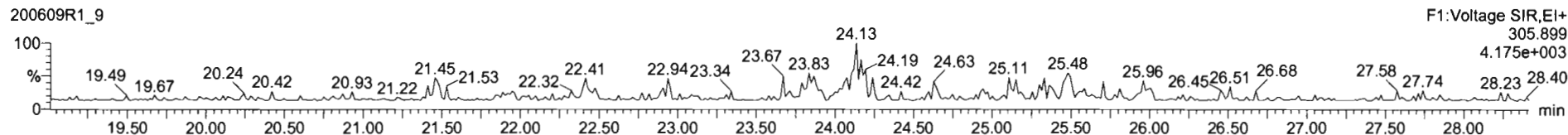
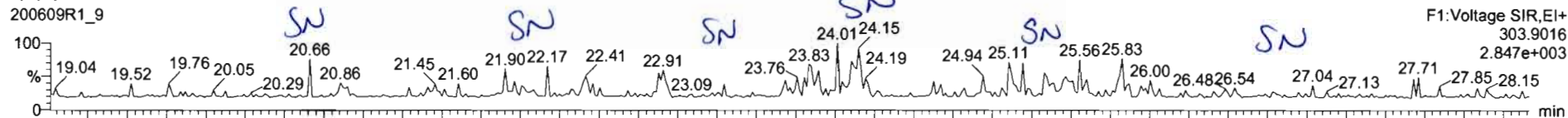


Dataset: Untitled

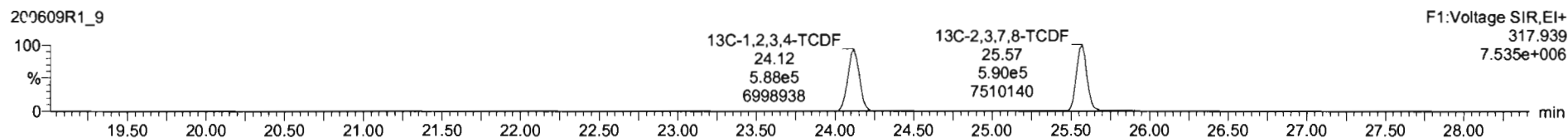
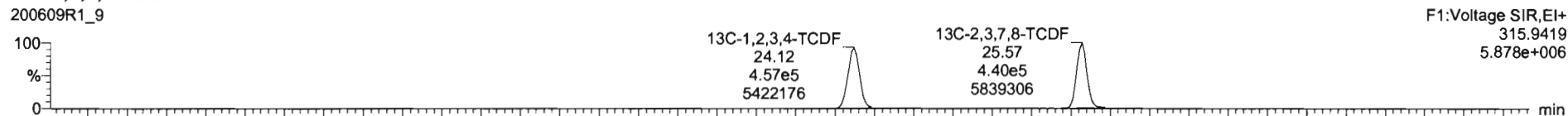
Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

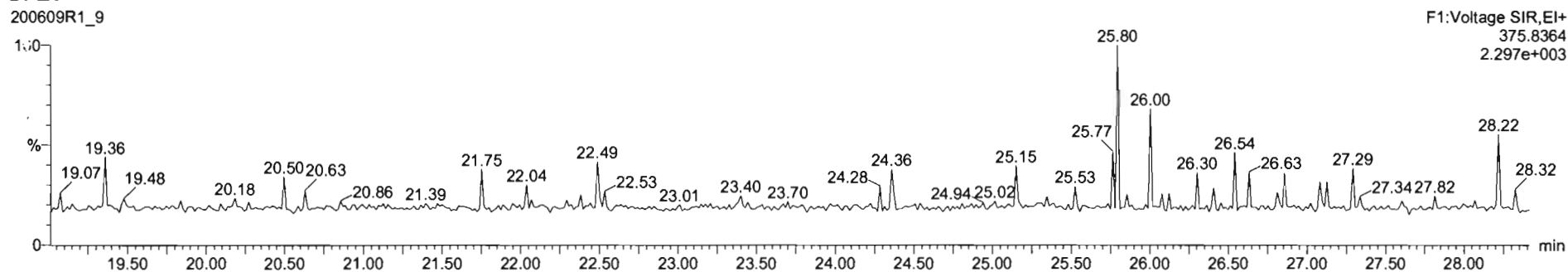
2,3,7,8-TCDF



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



DPE1



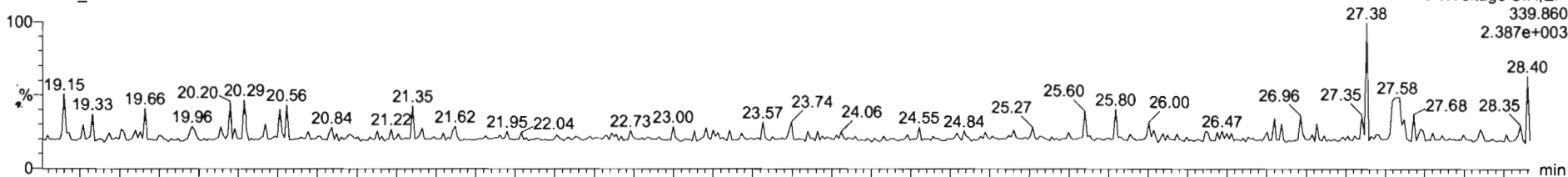
Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

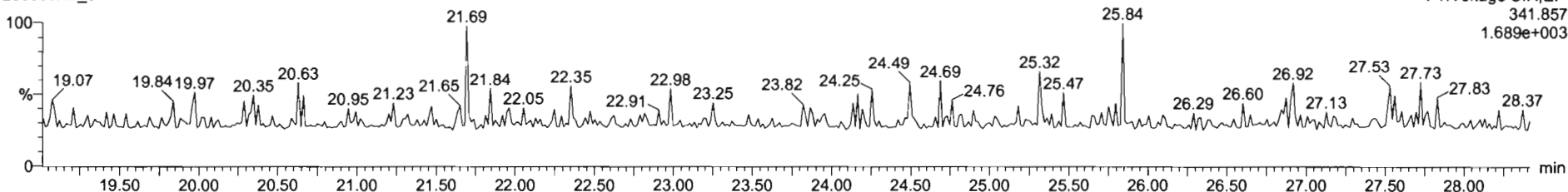
Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

1st Func. Penta-Furans

200609R1_9

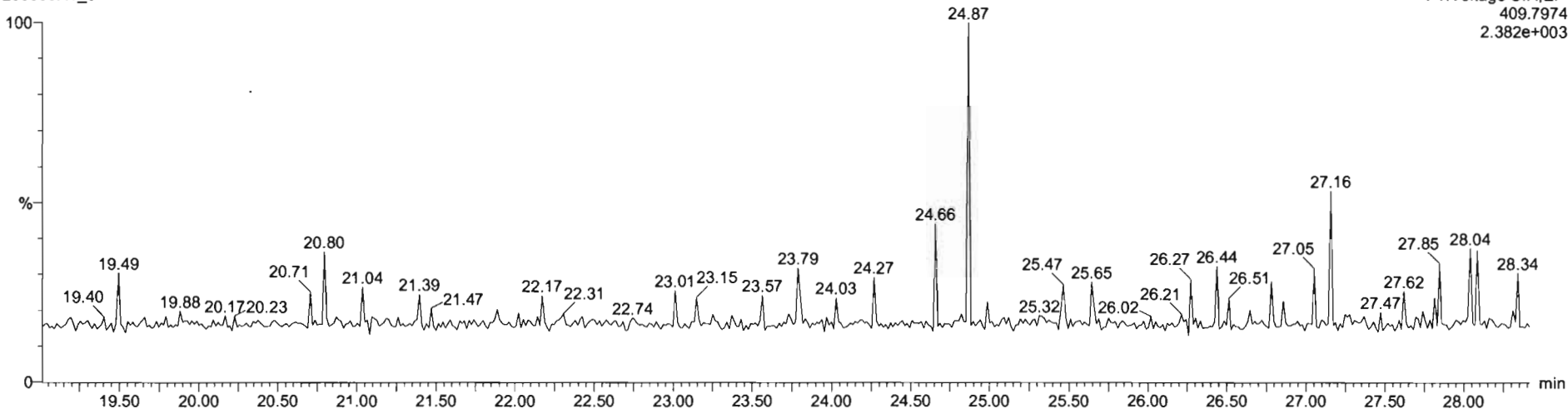


200609R1_9



DPE6

200609R1_9



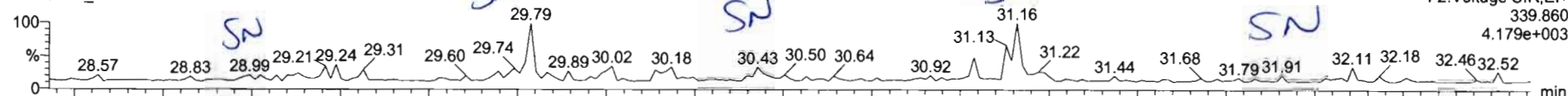
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Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

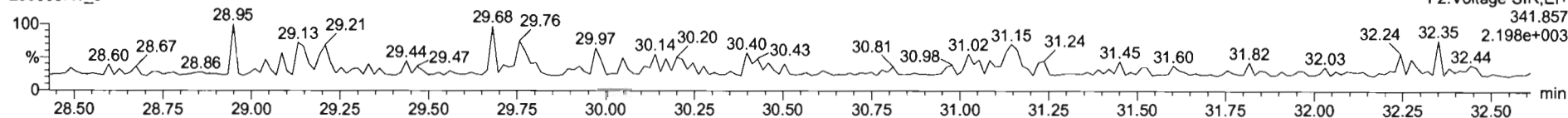
Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

1,2,3,7,8-PeCDF

200609R1_9



200609R1_9

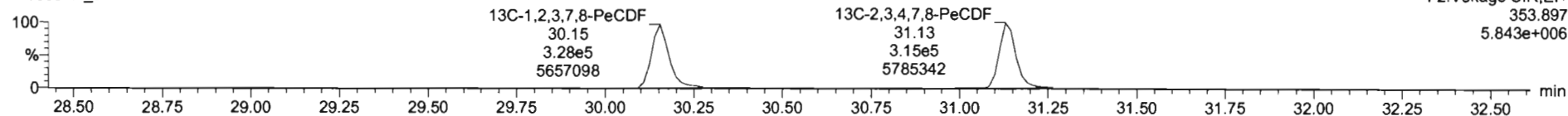


13C-1,2,3,7,8-PeCDF

200609R1_9

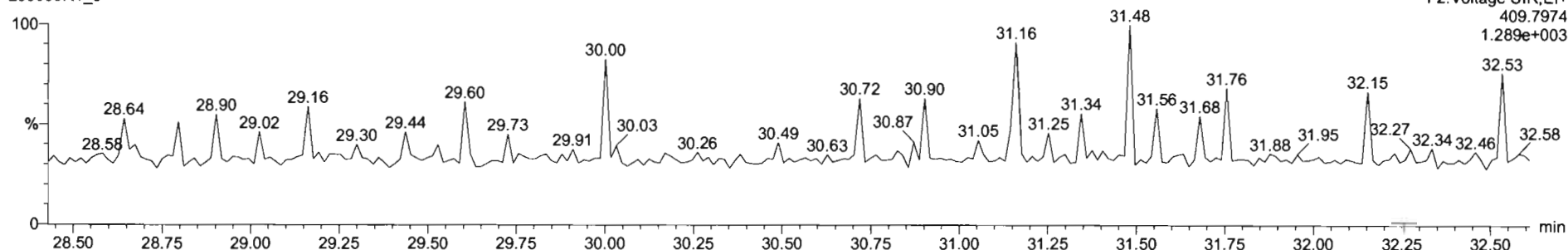


200609R1_9



DPE2

200609R1_9



Dataset: Untitled

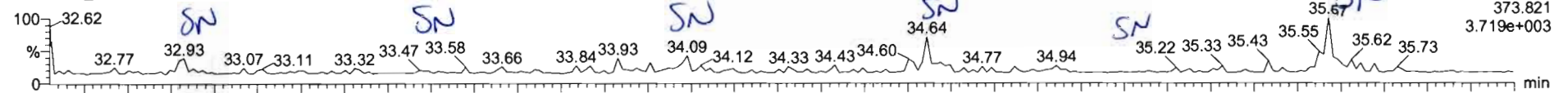
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

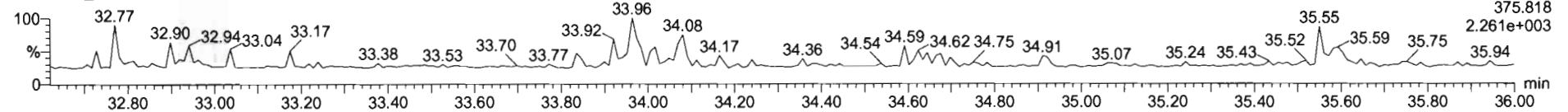
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1,2,3,4,7,8-HxCDF

200609R1_9

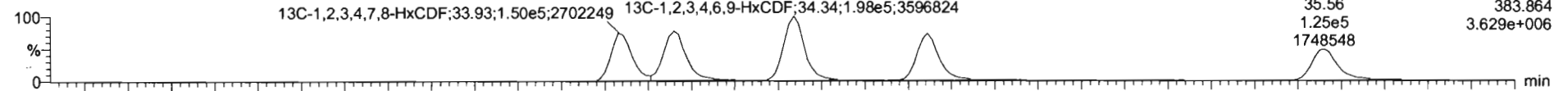


200609R1_9

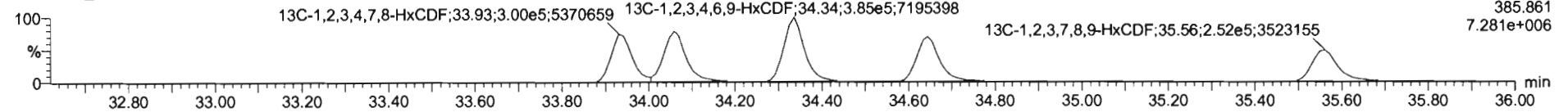


13C-1,2,3,4,7,8-HxCDF

200609R1_9

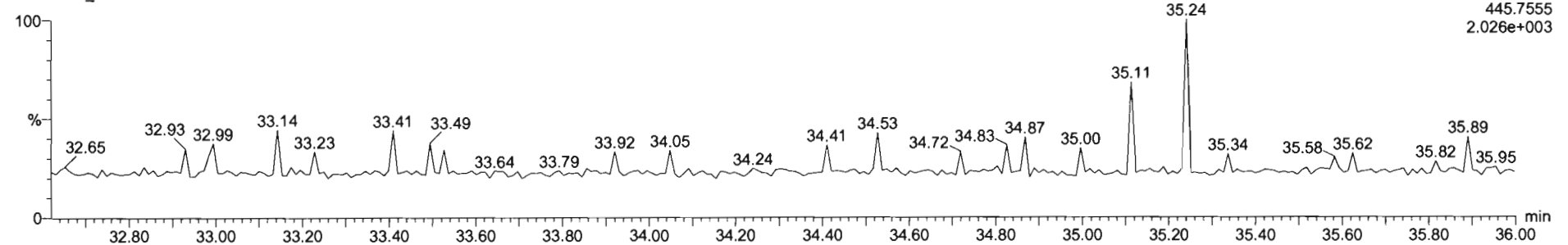


200609R1_9



DPE3

200609R1_9

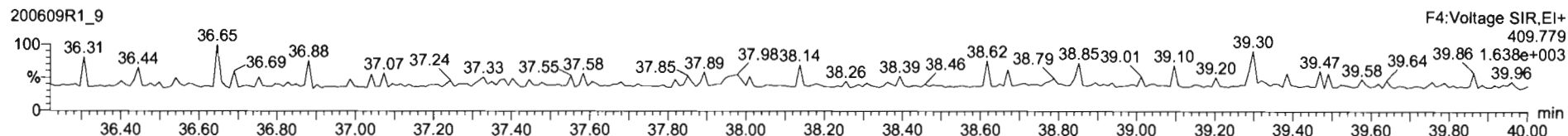
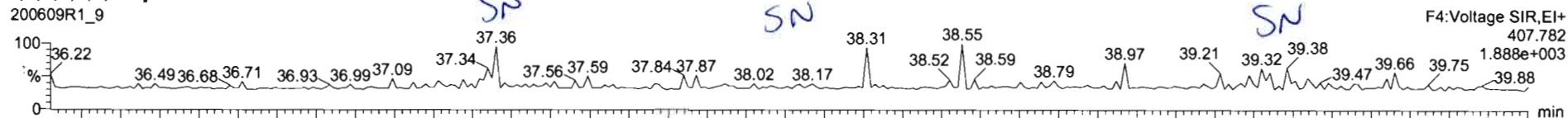


Dataset: Untitled

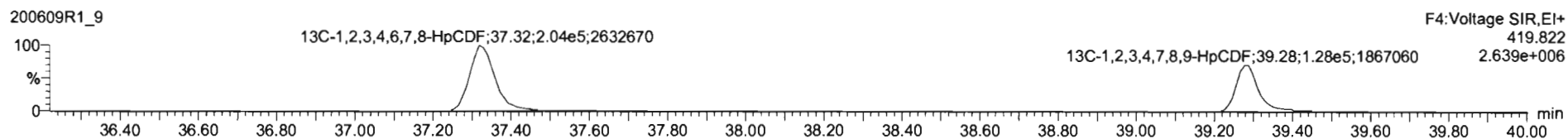
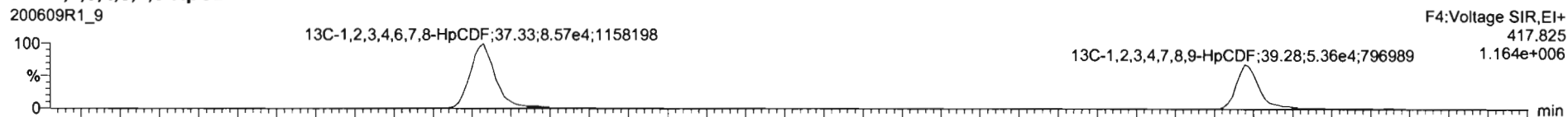
Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

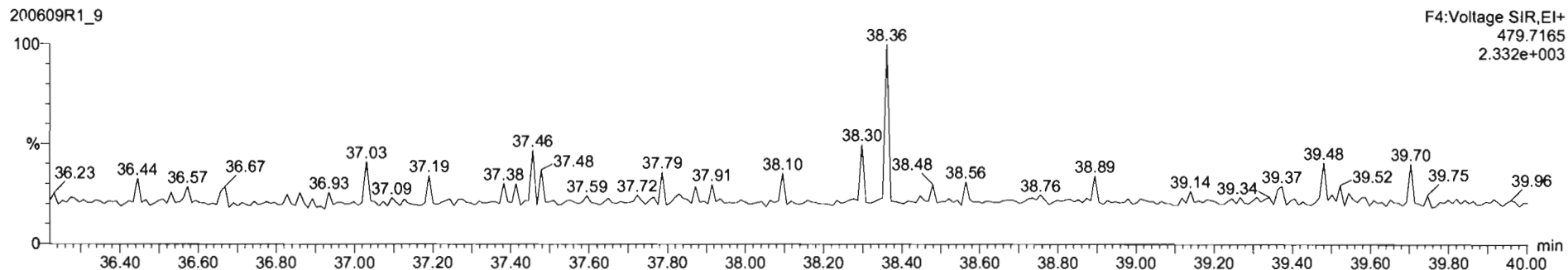
1,2,3,4,6,7,8-HpCDF



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



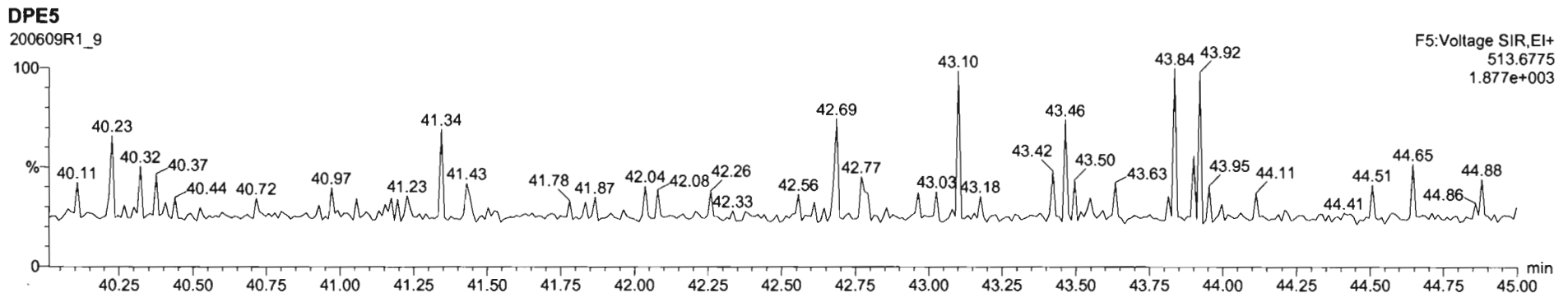
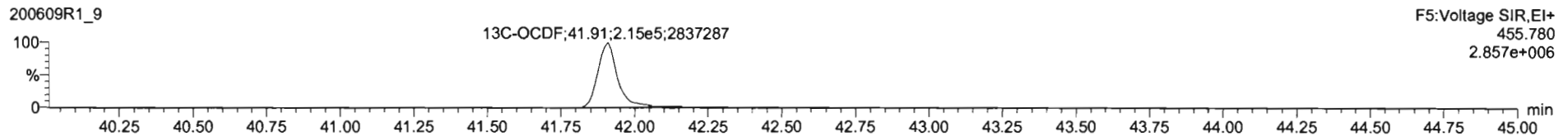
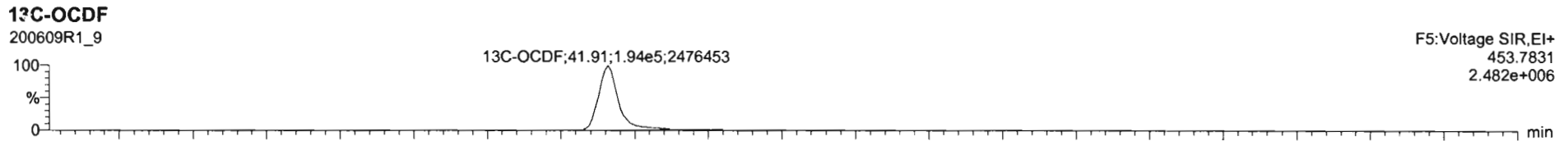
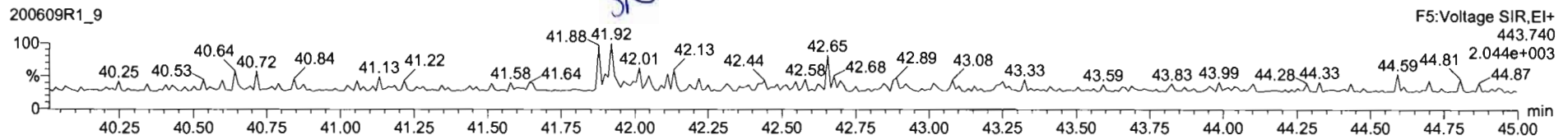
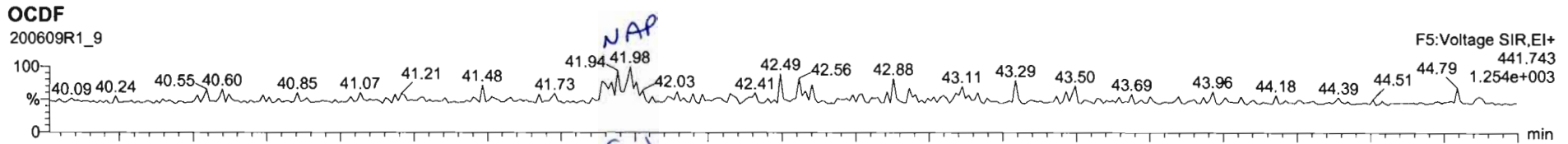
DPE4



Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044



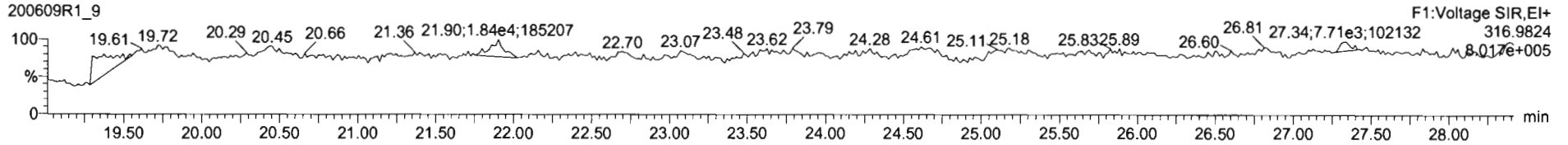
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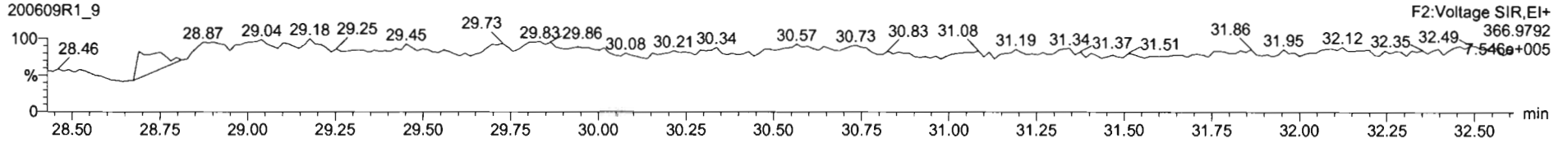
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_9, Date: 09-Jun-2020, Time: 17:09:44, ID: 2001037-01 PDI-FB-2005071044 1.05401, Description: PDI-FB-2005071044

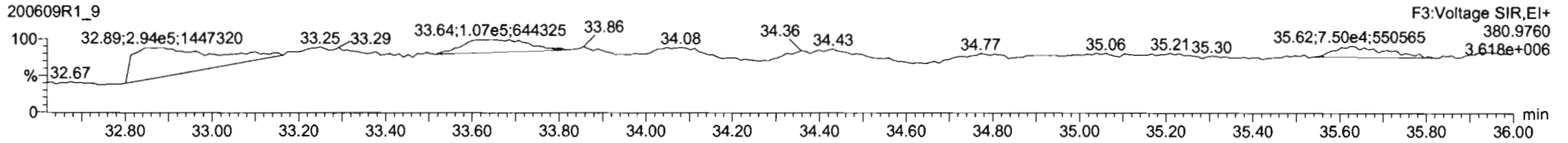
PFK1



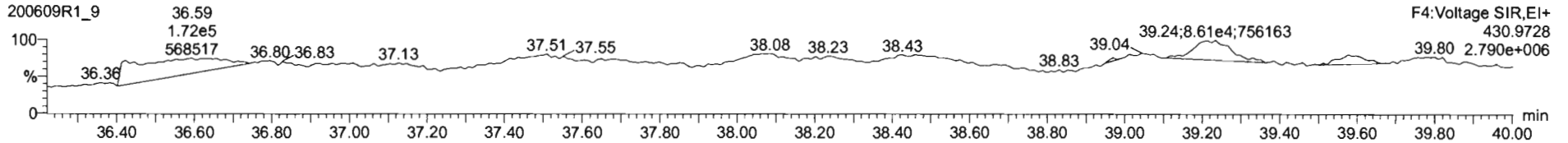
PFK2



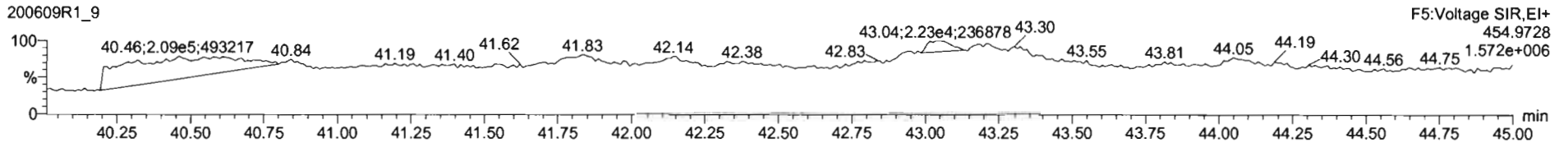
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200609R1\200609R1-10.qld

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Printed: Wednesday, June 10, 2020 09:26:17 Pacific Daylight Time

GPB 06/10/2020

C9 06/11/2020

Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200609R1_10, Date: 09-Jun-2020, Time: 17:55:56, ID: 2001037-02 PDI-RB-2005071052 1.04239, Description: PDI-RB-2005071052

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	1.042	26.486		1.001				0.468	
2	2 1,2,3,7,8-PeCDD	3.34e2	0.83	YES	0.908	1.042	31.457	31.42	1.001	1.000	1.2725		0.505	1.14
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	1.042	34.814		1.000				1.10	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	1.042	34.900		1.000				1.06	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	1.042	35.199		1.000				1.24	
6	6 1,2,3,4,6,7,8-HpCDD	3.14e2	0.93	NO	0.864	1.042	38.725	38.77	1.000	1.001	3.1723		1.11	3.17
7	7 OCDD	1.18e3	0.85	NO	0.914	1.042	41.706	41.74	1.000	1.001	13.995		3.23	14.0
8	8 2,3,7,8-TCDF			NO	0.751	1.042	25.582		1.001				0.297	
9	9 1,2,3,7,8-PeCDF	4.13e2	1.81	YES	0.893	1.042	30.160	30.15	1.001	1.000	1.1128		0.367	1.01
10	10 2,3,4,7,8-PeCDF	4.21e2	0.90	YES	0.935	1.042	31.161	31.15	1.001	1.000	1.0621		0.324	0.829
11	11 1,2,3,4,7,8-HxCDF	2.71e2	1.37	NO	0.884	1.042	33.931	33.94	1.000	1.000	1.5036		0.328	1.50
12	12 1,2,3,6,7,8-HxCDF	2.69e2	1.61	YES	0.889	1.042	34.058	34.06	1.000	1.000	1.2488		0.286	1.07
13	13 2,3,4,6,7,8-HxCDF	2.33e2	0.97	YES	0.934	1.042	34.669	34.65	1.001	1.001	1.0960		0.311	0.974
14	14 1,2,3,7,8,9-HxCDF	2.06e2	0.83	YES	0.871	1.042	35.550	35.56	1.000	1.000	1.3427		0.407	1.10
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	1.042	37.355		1.001				1.09	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	1.042	39.267		1.000				1.26	
17	17 OCDF	3.14e2	1.11	YES	0.806	1.042	41.897	41.90	1.000	1.000	3.8974		1.49	3.49
18	18 13C-2,3,7,8-TCDD	8.15e5	0.82	NO	1.16	1.042	26.476	26.45	1.026	1.026	1897.2	98.9	2.76	
19	19 13C-1,2,3,7,8-PeCDD	5.55e5	0.64	NO	0.849	1.042	31.656	31.43	1.227	1.219	1759.2	91.7	2.85	
20	20 13C-1,2,3,4,7,8-HxCDD	3.05e5	1.27	NO	0.779	1.042	34.809	34.80	1.014	1.014	1291.3	67.3	5.05	
21	21 13C-1,2,3,6,7,8-HxCDD	4.18e5	1.26	NO	1.02	1.042	34.922	34.90	1.017	1.017	1355.7	70.7	3.87	
22	22 13C-1,2,3,7,8,9-HxCDD	3.55e5	1.26	NO	0.903	1.042	35.193	35.19	1.025	1.025	1295.8	67.5	4.36	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.20e5	1.02	NO	0.689	1.042	38.715	38.71	1.128	1.128	1052.4	54.9	4.48	
24	24 13C-OCDD	3.55e5	0.92	NO	0.652	1.042	41.736	41.71	1.216	1.215	1795.2	46.8	4.79	
25	25 13C-2,3,7,8-TCDF	1.05e6	0.74	NO	1.06	1.042	25.519	25.56	0.989	0.991	1748.1	91.1	2.60	
26	26 13C-1,2,3,7,8-PeCDF	7.97e5	1.57	NO	0.838	1.042	30.041	30.14	1.165	1.168	1684.7	87.8	5.49	
27	27 13C-2,3,4,7,8-PeCDF	8.14e5	1.58	NO	0.817	1.042	30.993	31.13	1.202	1.207	1765.3	92.0	5.63	
28	28 13C-1,2,3,4,7,8-HxCDF	3.92e5	0.50	NO	1.01	1.042	33.941	33.93	0.989	0.989	1281.2	66.8	7.61	
29	29 13C-1,2,3,6,7,8-HxCDF	4.65e5	0.51	NO	1.17	1.042	34.064	34.05	0.992	0.992	1313.7	68.5	6.57	
30	30 13C-2,3,4,6,7,8-HxCDF	4.36e5	0.49	NO	1.02	1.042	34.637	34.63	1.009	1.009	1405.6	73.3	7.50	
31	31 13C-1,2,3,7,8,9-HxCDF	3.37e5	0.49	NO	0.860	1.042	35.537	35.55	1.035	1.036	1293.7	67.4	8.92	

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-10.qld

Last Altered: Wednesday, June 10, 2020 09:25:39 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 09:26:17 Pacific Daylight Time

Name: 200609R1_10, Date: 09-Jun-2020, Time: 17:55:56, ID: 2001037-02 PDI-RB-2005071052 1.04239, Description: PDI-RB-2005071052

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.45e5	0.41	NO	0.774	1.042	37.284	37.32	1.086	1.087	1043.1	54.4	4.92	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.64e5	0.43	NO	0.521	1.042	39.312	39.27	1.145	1.144	1038.9	54.1	7.32	
34	34 13C-OCDF	3.83e5	0.87	NO	0.746	1.042	41.907	41.90	1.221	1.221	1693.9	44.1	4.56	
35	35 37Cl-2,3,7,8-TCDD	3.42e5			1.04	1.042	26.507	26.48	1.028	1.027	886.61	116	0.529	
36	36 13C-1,2,3,4-TCDD	7.13e5	0.79	NO	1.00	1.042	25.800	25.80	1.000	1.000	1918.7	100	3.19	
37	37 13C-1,2,3,4-TCDF	1.08e6	0.79	NO	1.00	1.042	24.360	24.12	1.000	1.000	1918.7	100	2.75	
38	38 13C-1,2,3,4,6,9-HxCDF	5.82e5	0.51	NO	1.00	1.042	34.420	34.33	1.000	1.000	1918.7	100	7.67	
39	39 Total Tetra-Dioxins				0.888	1.042	24.620		0.000				0.294	
40	40 Total Penta-Dioxins				0.908	1.042	29.960		0.000		0.00000		0.347	1.14
41	41 Total Hexa-Dioxins				0.892	1.042	33.635		0.000				0.665	
42	42 Total Hepta-Dioxins				0.864	1.042	37.640		0.000		3.1723		1.11	3.17
43	43 Total Tetra-Furans				0.751	1.042	23.610		0.000				0.132	
44	44 1st Func. Penta-Furans				0.893	1.042	27.580		0.000				0.0699	
45	45 Total Penta-Furans				0.893	1.042	29.275		0.000		0.00000		0.130	1.84
46	46 Total Hexa-Furans				0.934	1.042	33.555		0.000		1.5036		0.334	4.95
47	47 Total Hepta-Furans				0.873	1.042	37.835		0.000				0.592	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-10.qld

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Printed: Wednesday, June 10, 2020 09:26:17 Pacific Daylight Time

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Name: 200609R1_10, Date: 09-Jun-2020, Time: 17:55:56, ID: 2001037-02 PDI-RB-2005071052 1.04239, Description: PDI-RB-2005071052

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	1,2,3,7,8-PeCDD	31.42	2.585e3	3.643e3	1.511e2	1.830e2	0.83	YES	3.341e2	0.00000	1.1357	0.605

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	1,2,3,4,6,7,8-HpCDD	38.77	2.873e3	3.003e3	1.515e2	1.629e2	0.93	NO	3.144e2	3.1723	3.1723	1.11

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-10.qld

Last Altered: Wednesday, June 10, 2020 09:25:39 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 09:26:17 Pacific Daylight Time

Name: 200609R1_10, Date: 09-Jun-2020, Time: 17:55:56, ID: 2001037-02 PDI-RB-2005071052 1.04239, Description: PDI-RB-2005071052

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	30.15	5.418e3	2.567e3	2.660e2	1.468e2	1.81	YES	4.128e2	0.00000	1.0093	0.367
2	2,3,4,7,8-PeCDF	31.15	3.560e3	3.368e3	2.000e2	2.213e2	0.90	YES	4.213e2	0.00000	0.82935	0.324

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	33.94	2.855e3	2.861e3	1.571e2	1.144e2	1.37	NO	2.715e2	1.5036	1.5036	0.328
2	1,2,3,6,7,8-HxCDF	34.06	2.415e3	3.257e3	1.662e2	1.031e2	1.61	YES	2.693e2	0.00000	1.0711	0.296
3	2,3,4,6,7,8-HxCDF	34.65	2.407e3	2.236e3	1.144e2	1.182e2	0.97	YES	2.326e2	0.00000	0.97351	0.311
4	1,2,3,7,8,9-HxCDF	35.56	3.134e3	2.462e3	9.303e1	1.126e2	0.83	YES	2.056e2	0.00000	1.0974	0.497
5	Total Hexa-Furans	35.57	1.732e3	1.890e3	4.057e1	2.719e1	1.49	YES	0.000e0	0.00000	0.30690	0.334

Hepta-Furans

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

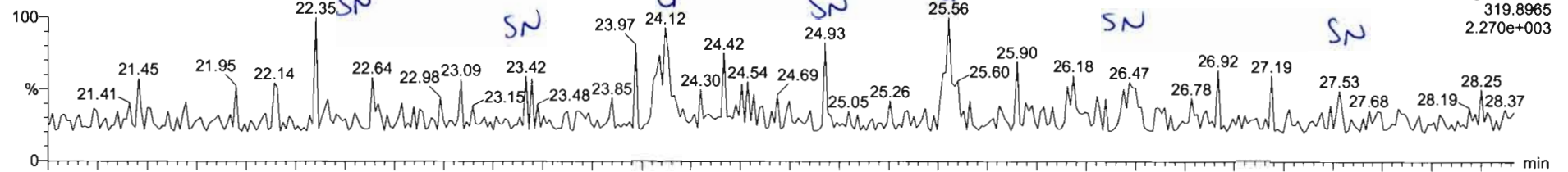
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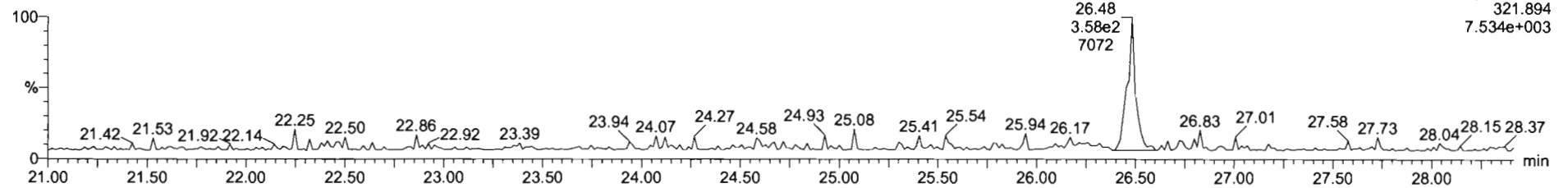
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2,3,7,8-TCDD

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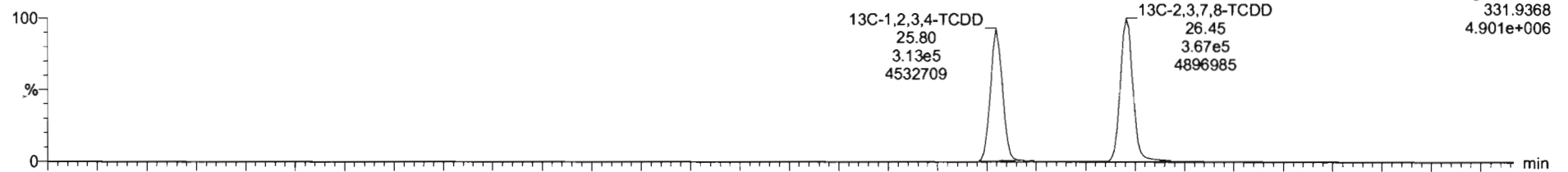


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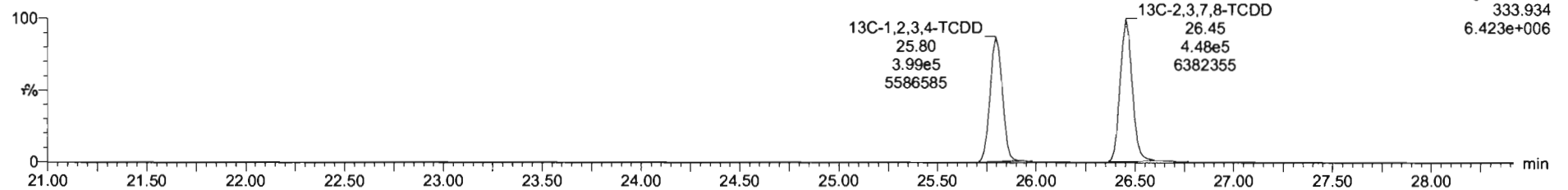


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200609R1_10



200609R1_10



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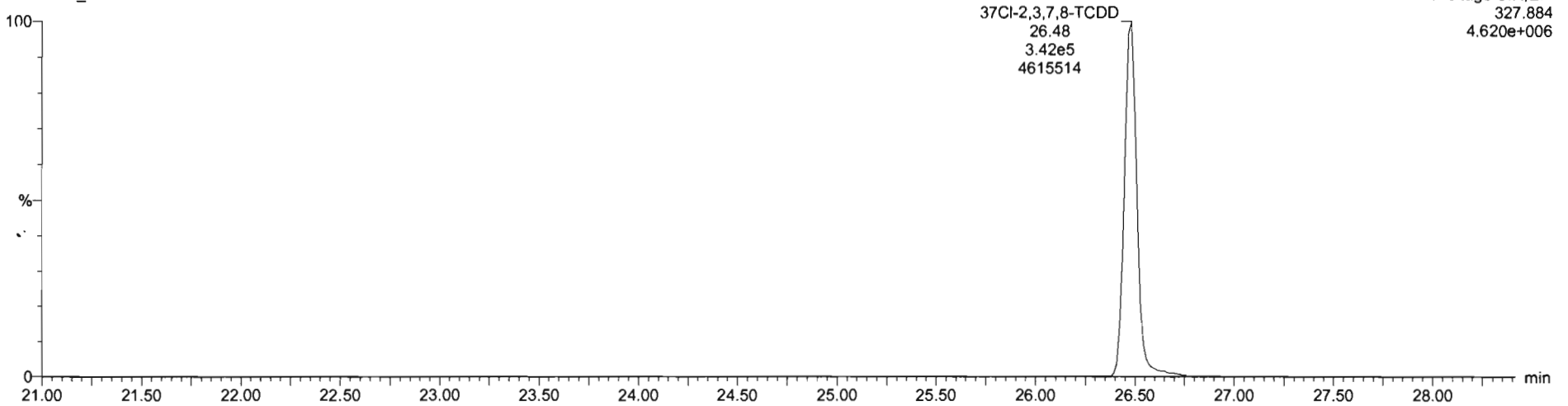
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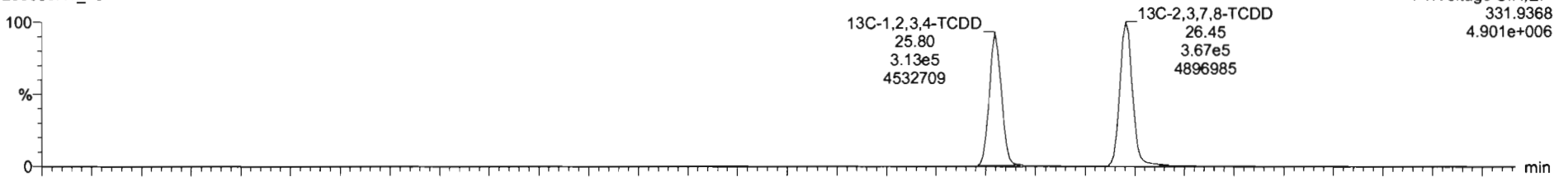
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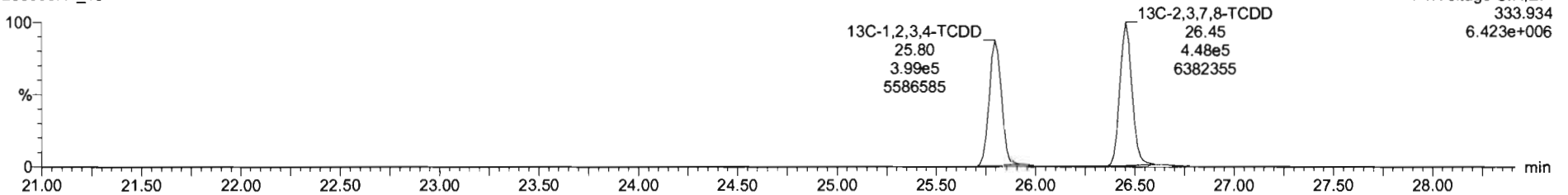


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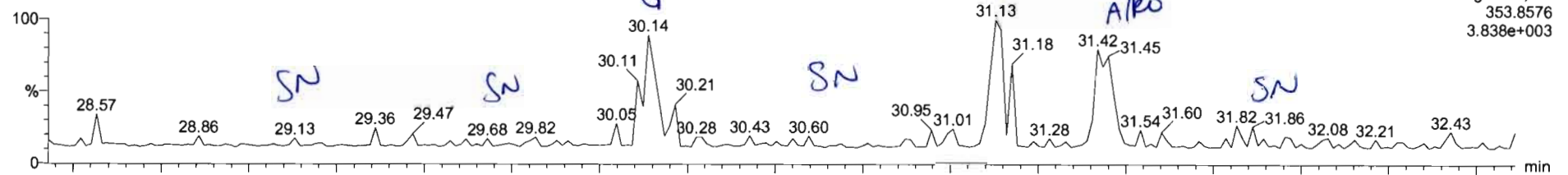
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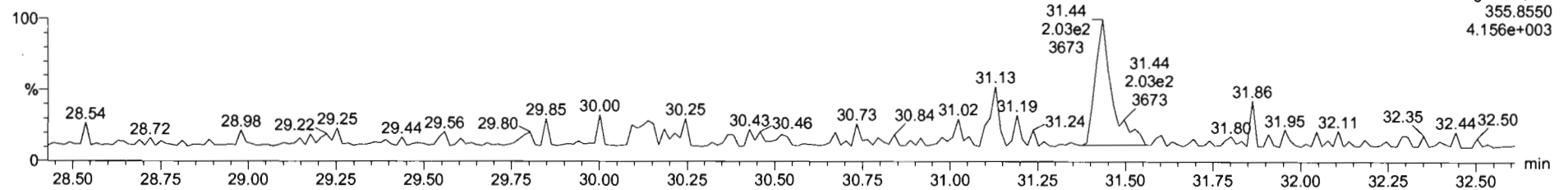
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1,2,3,7,8-PeCDD

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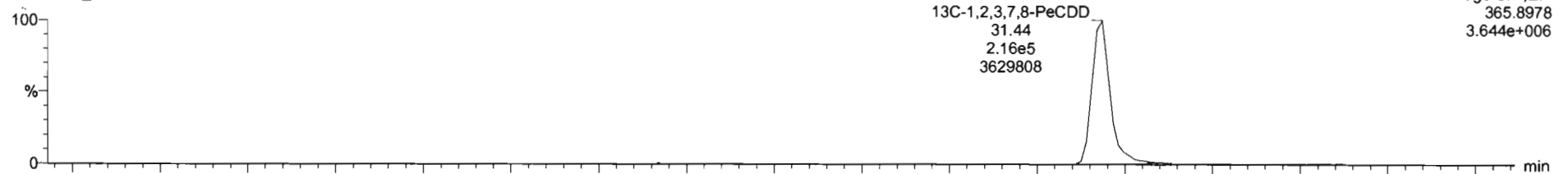


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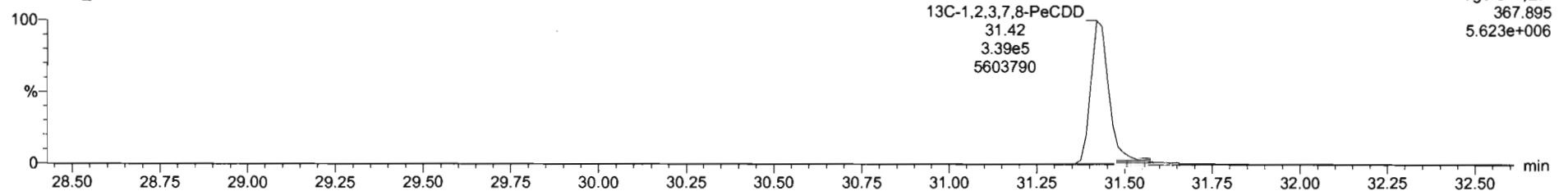


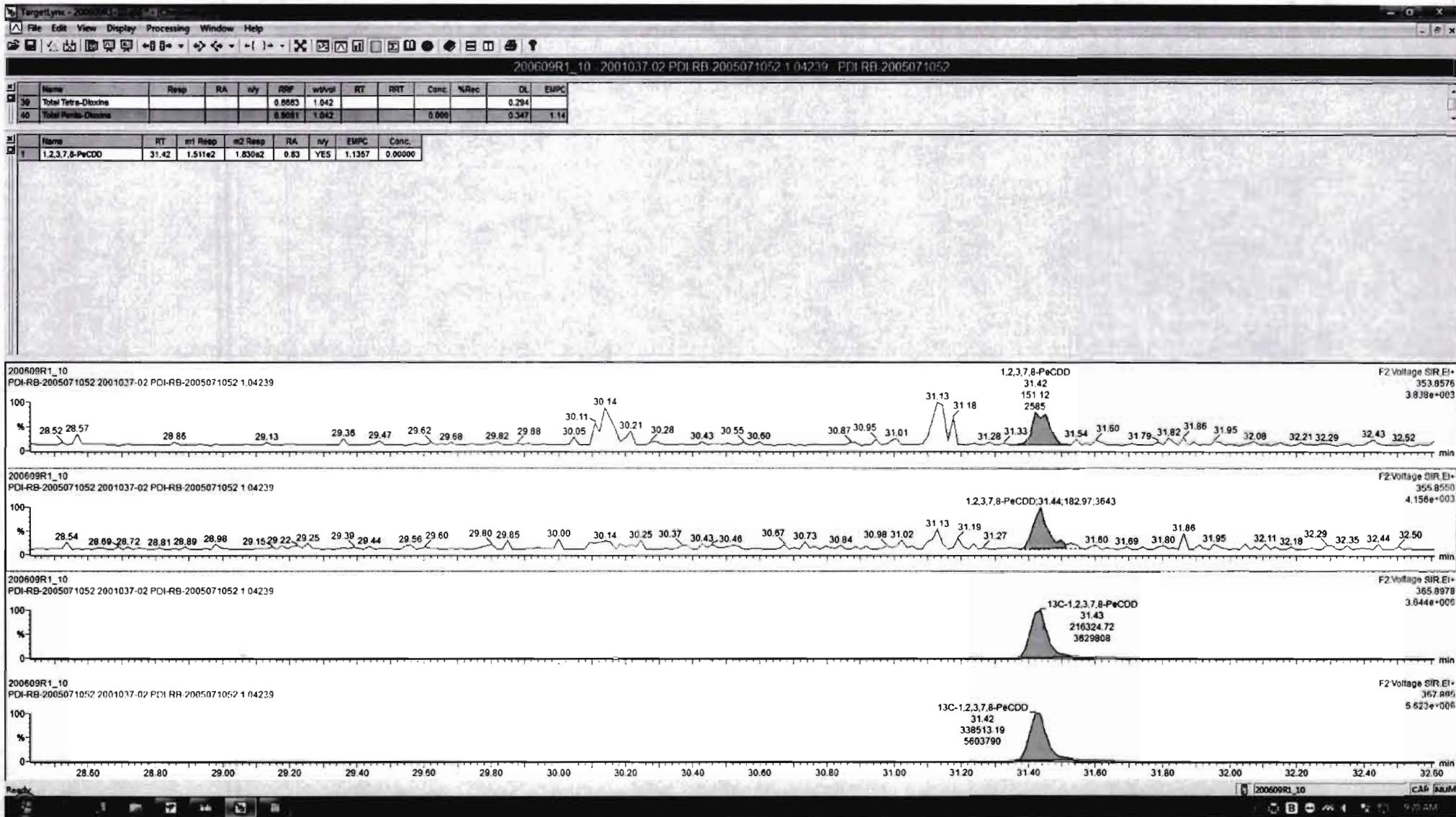
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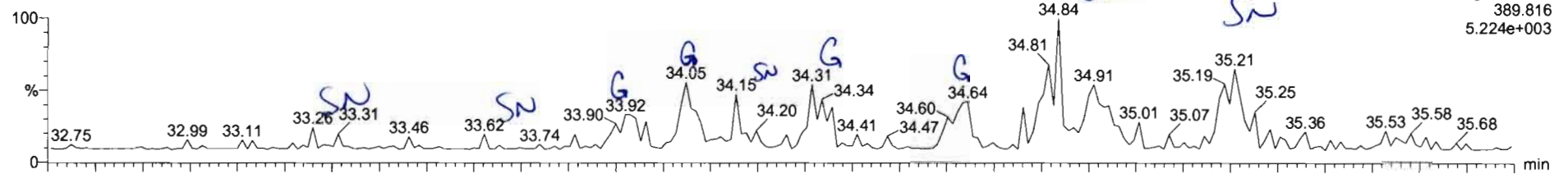
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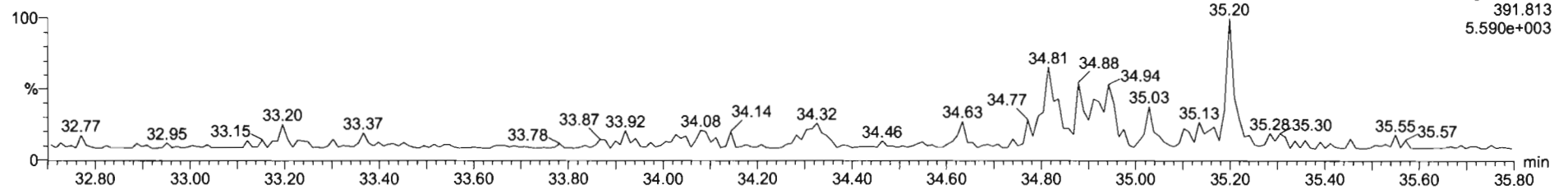
1,2,3,4,7,8-HxCDD

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F3: Voltage SIR, EI+
389.816
5.224e+003

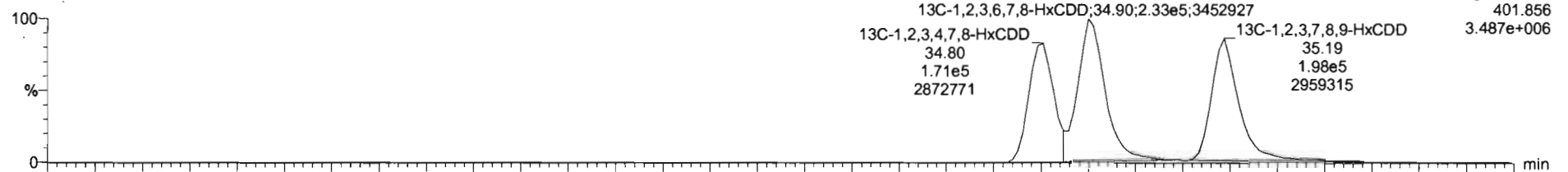
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F3: Voltage SIR, EI+
391.813
5.590e+003

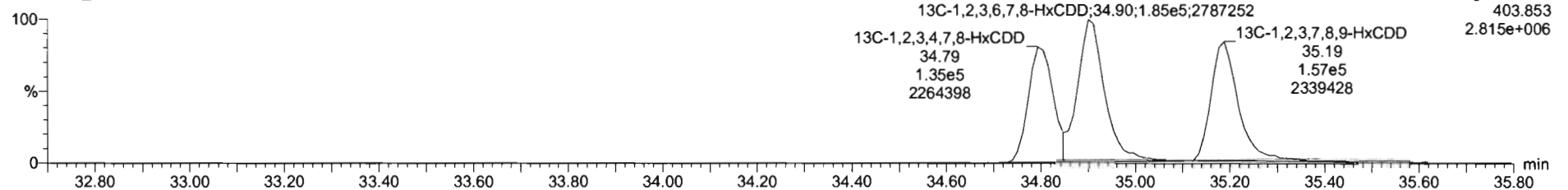
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200609R1_10



F3: Voltage SIR, EI+
401.856
3.487e+006

200609R1_10



F3: Voltage SIR, EI+
403.853
2.815e+006

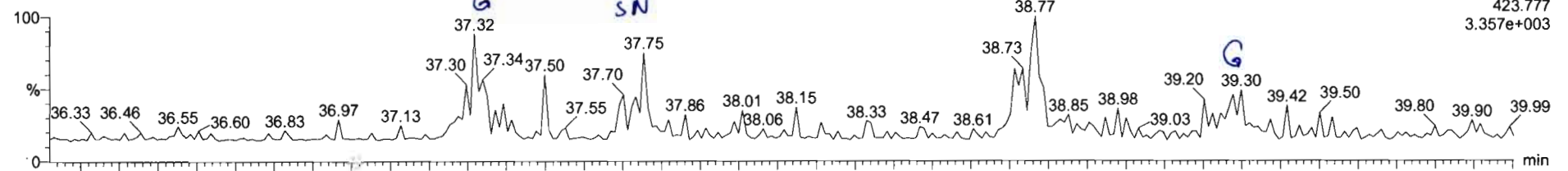
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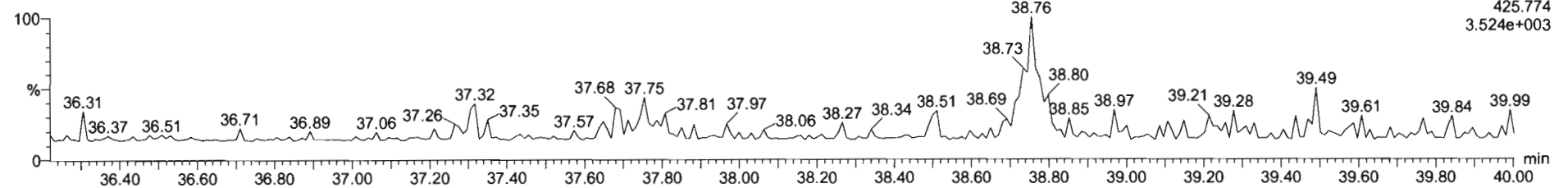
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1,2,3,4,6,7,8-HpCDD

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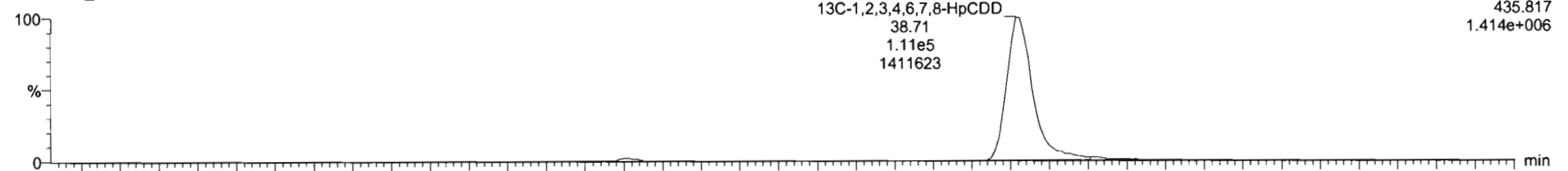


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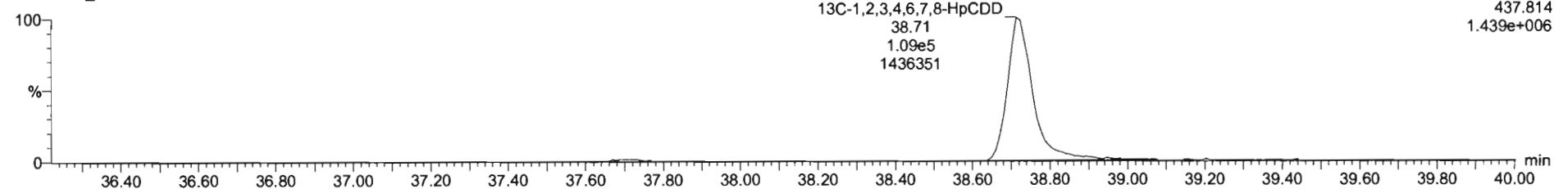


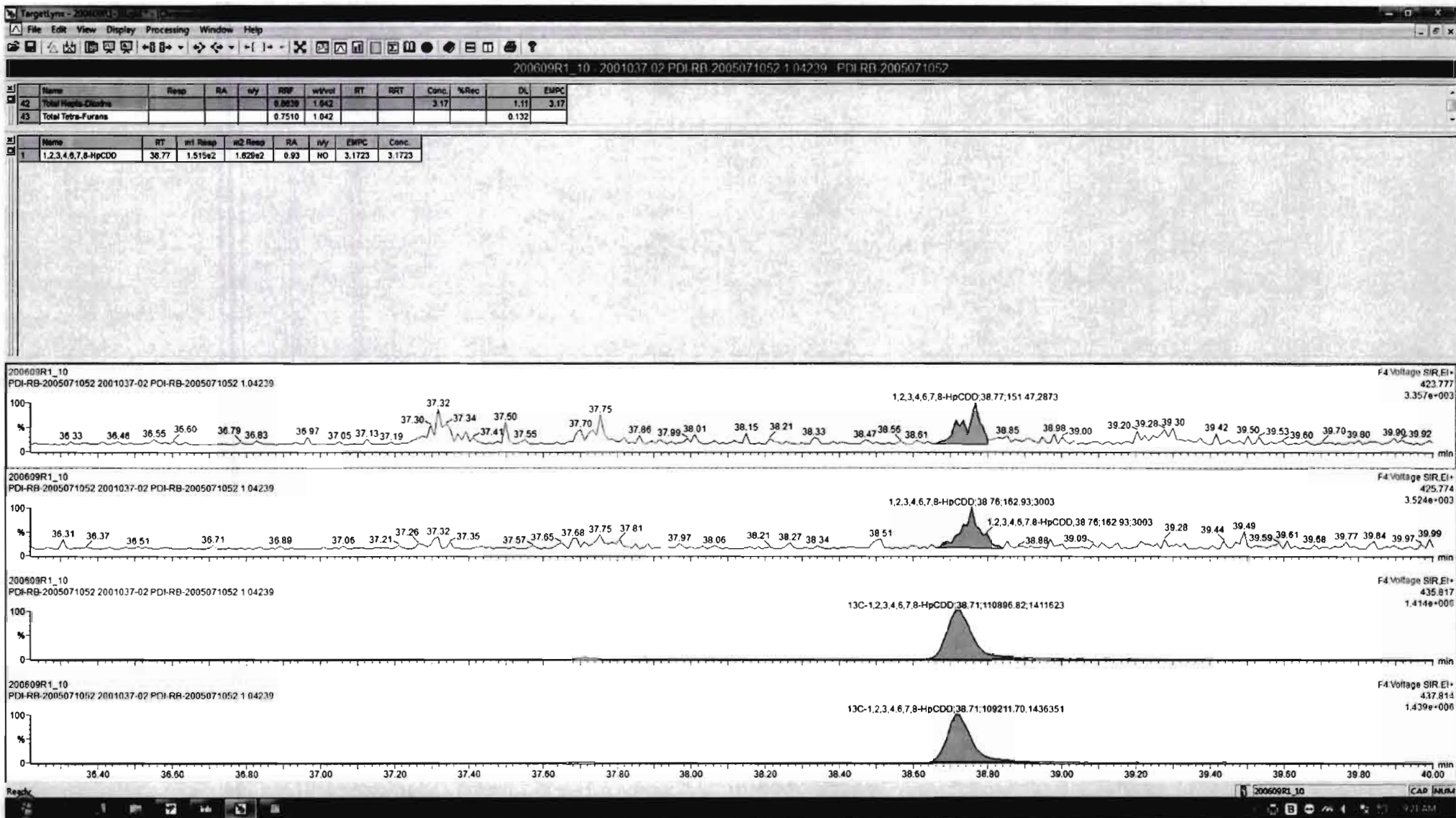
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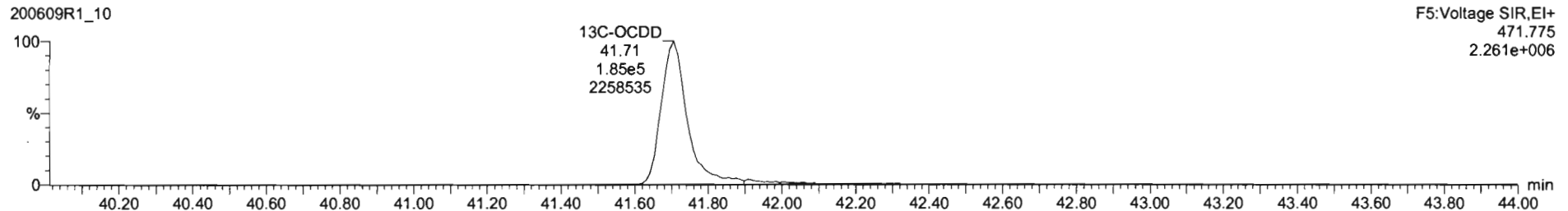
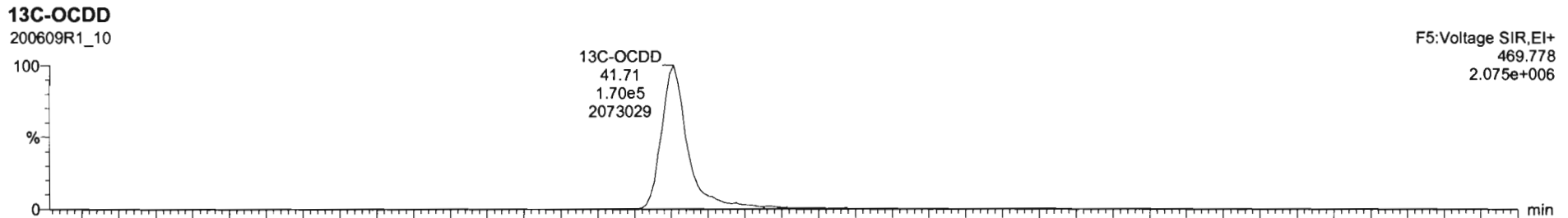
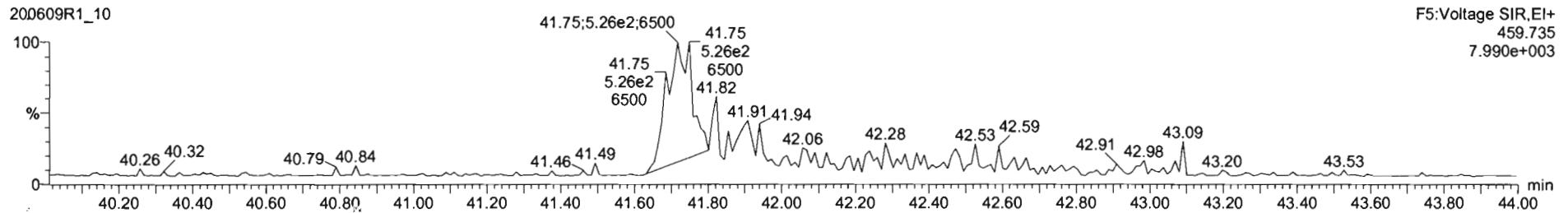
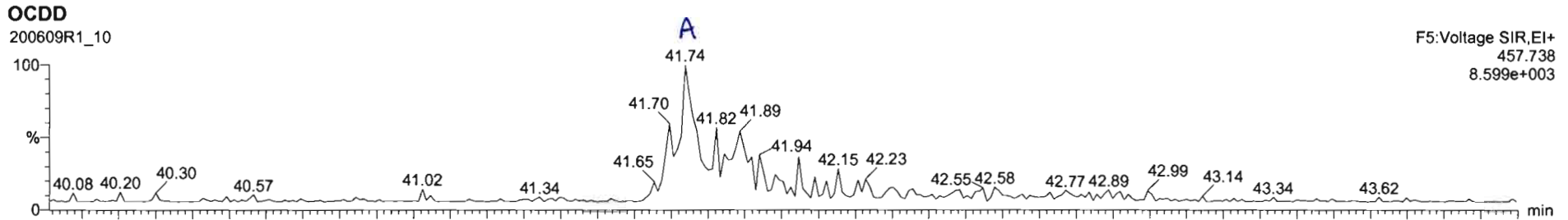


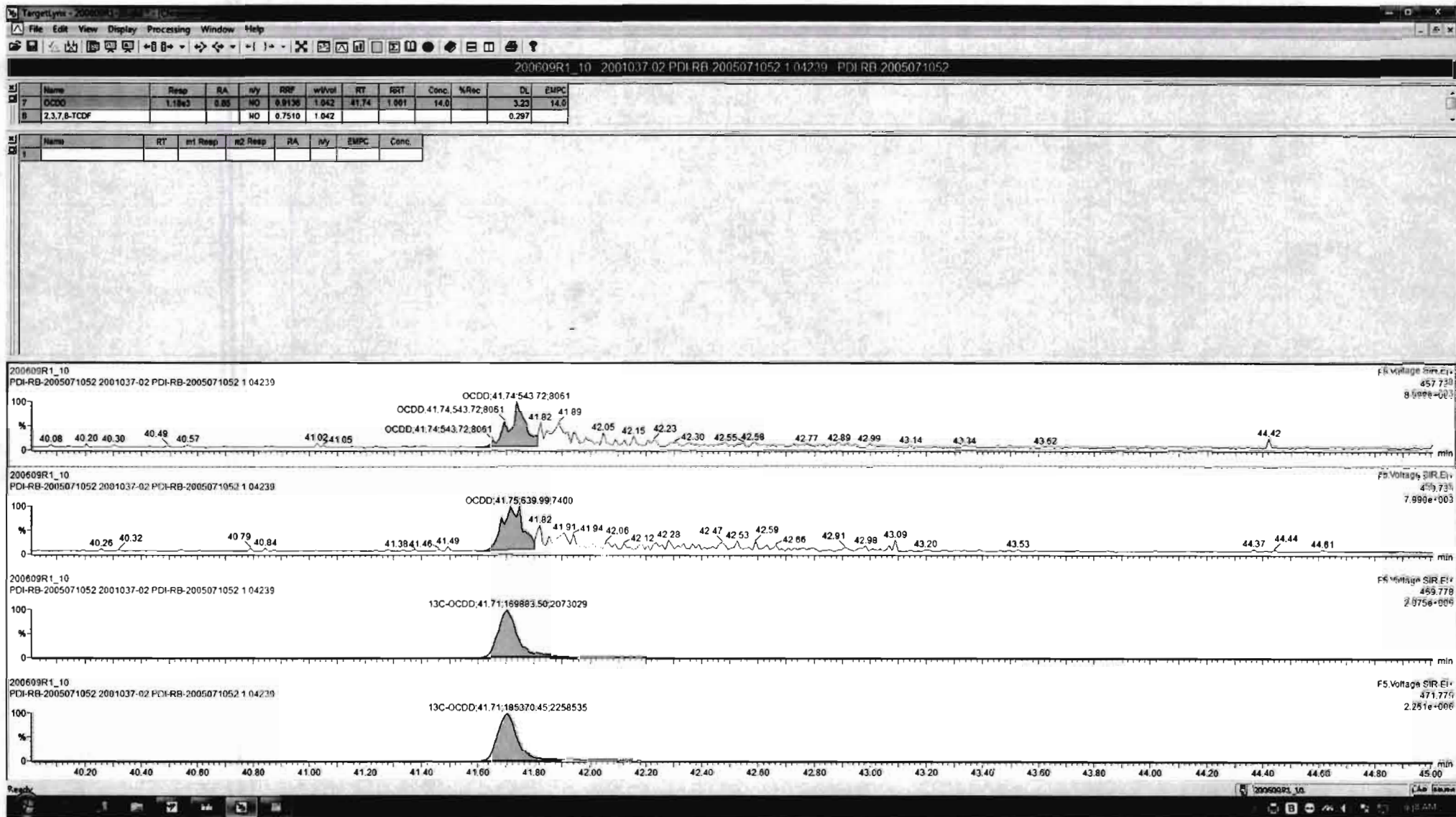
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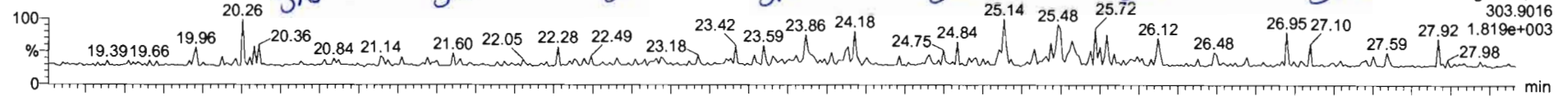
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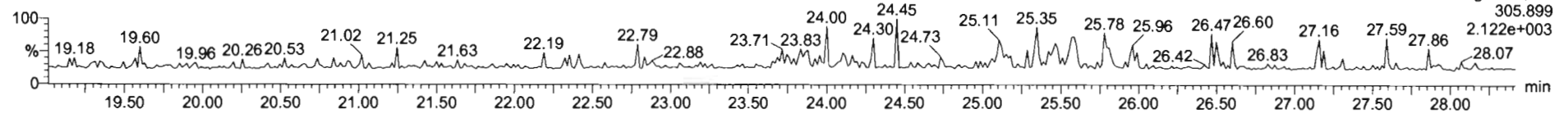
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2,3,7,8-TCDF

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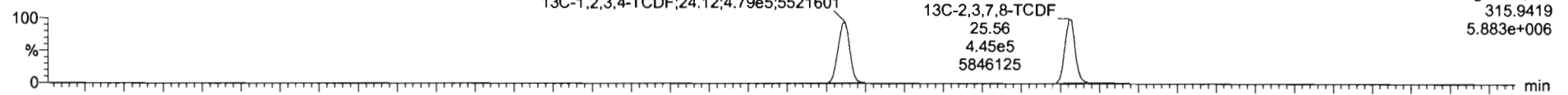


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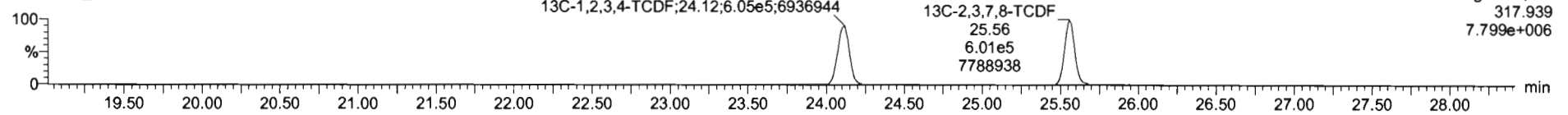


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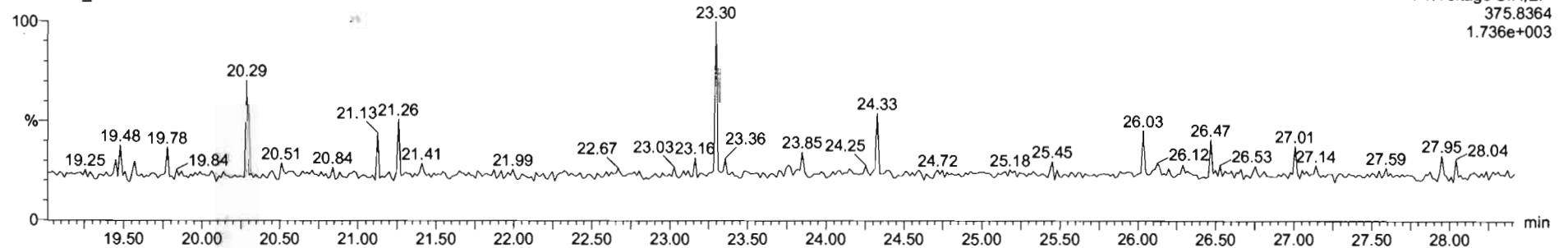


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DPE1

200609R1_10



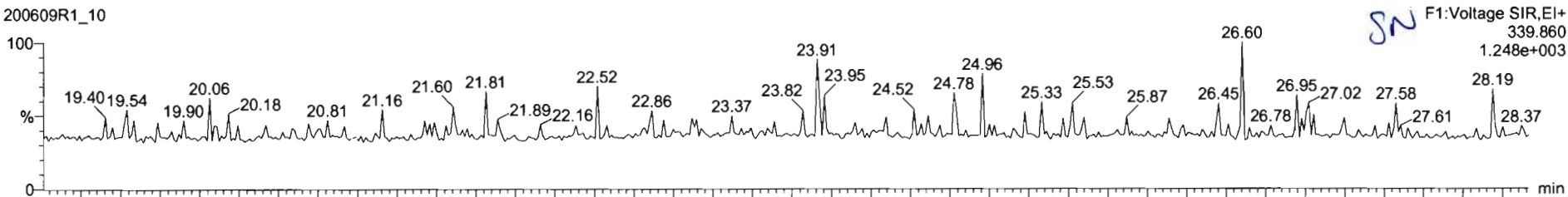
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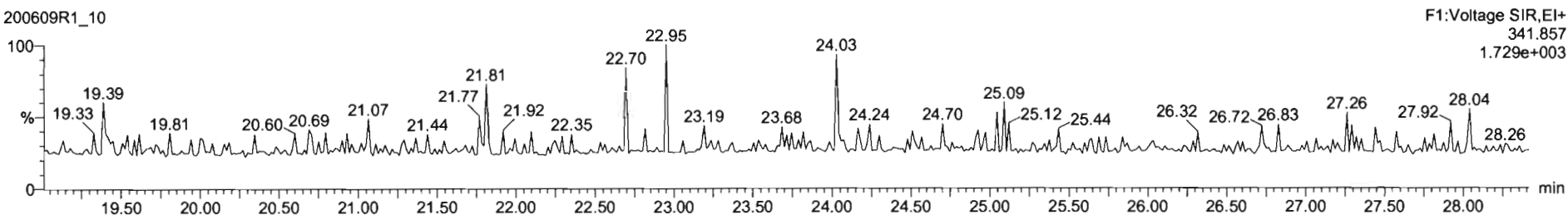
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1st Func. Penta-Furans

200609R1_10

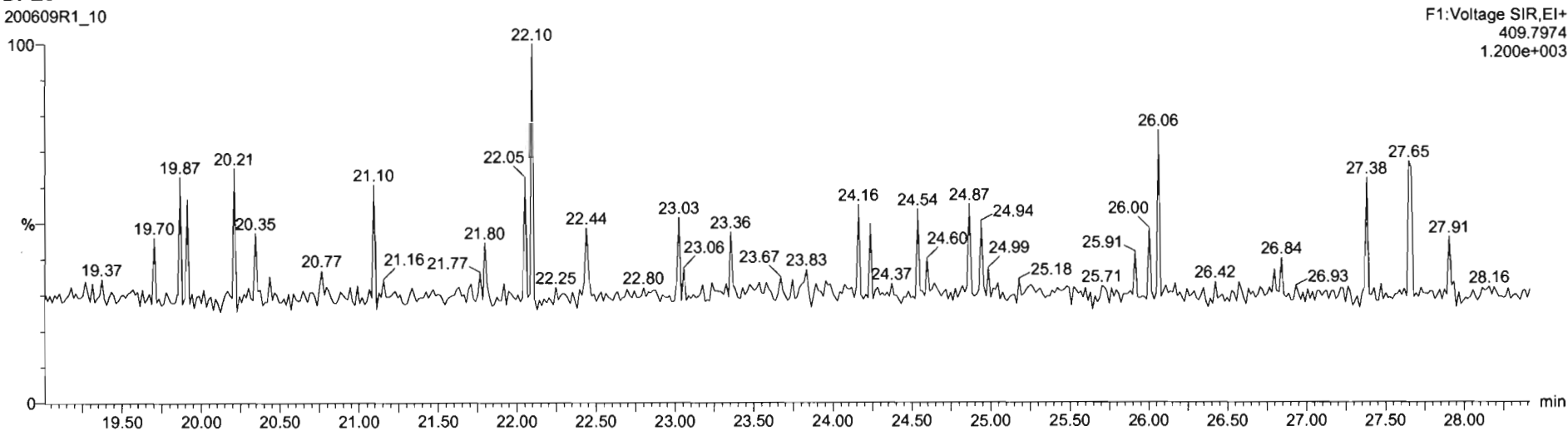


200609R1_10



DPE6

200609R1_10



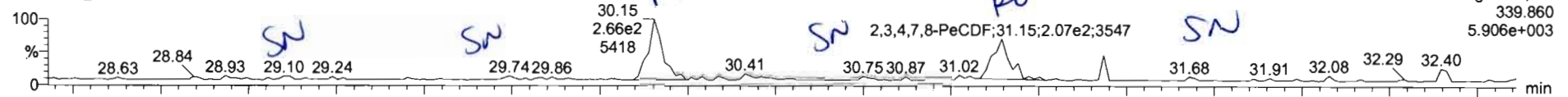
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

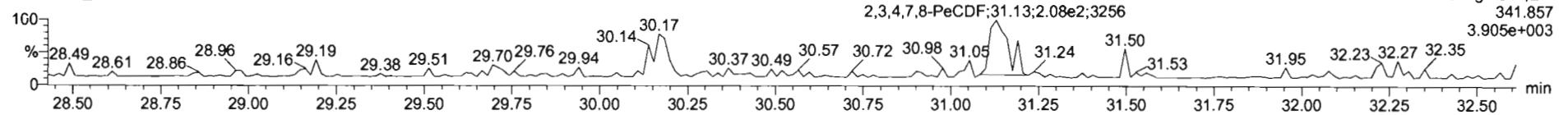
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1,2,3,7,8-PeCDF

200609R1_10

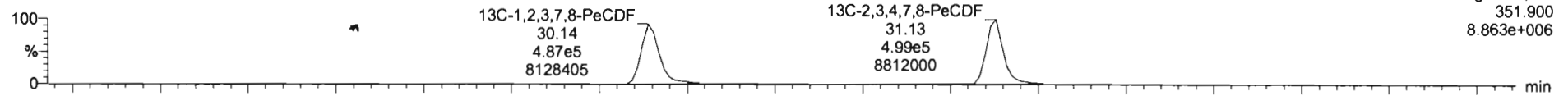


200609R1_10

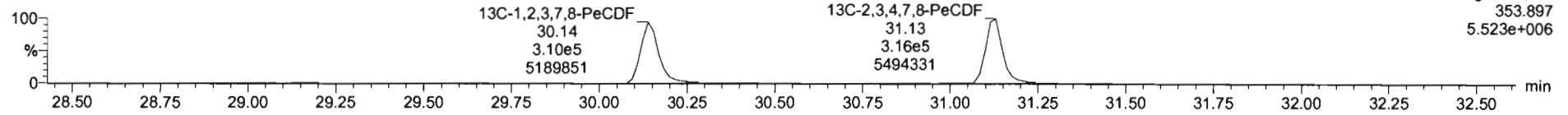


13C-1,2,3,7,8-PeCDF

200609R1_10

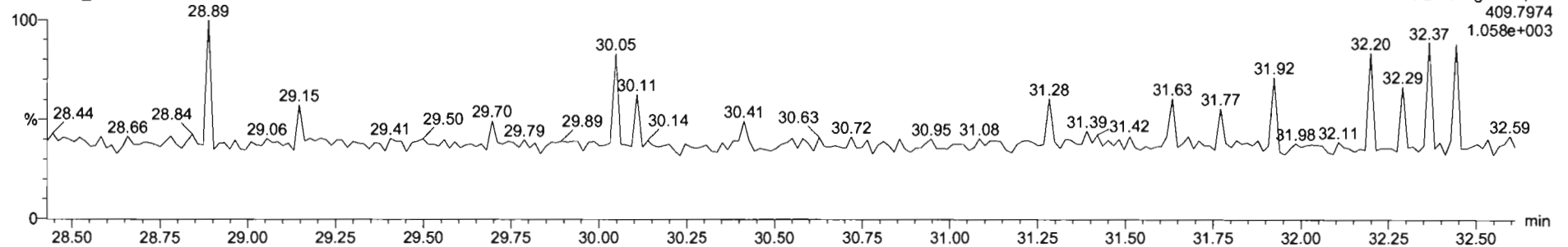


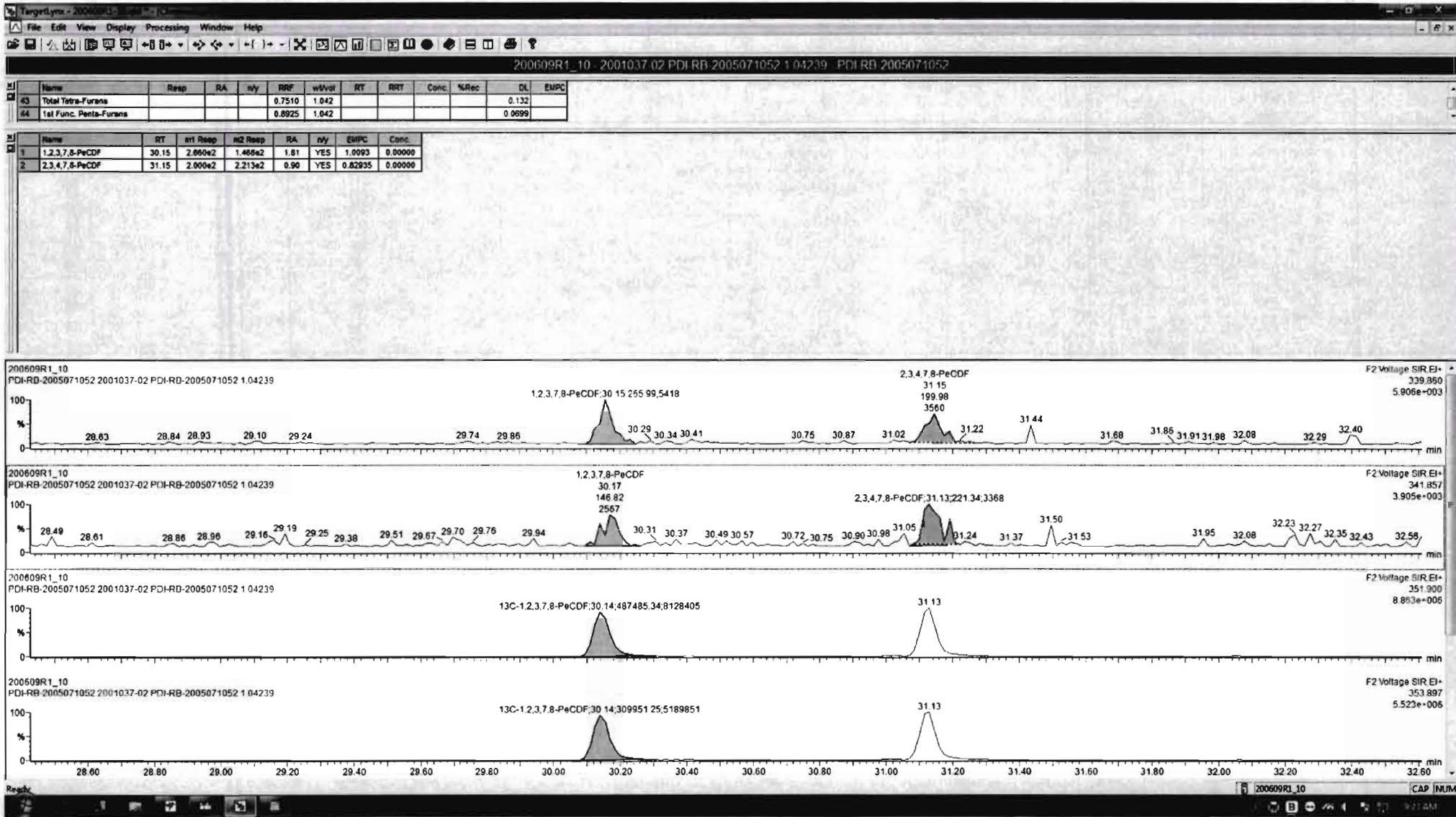
200609R1_10



DPE2

200609R1_10



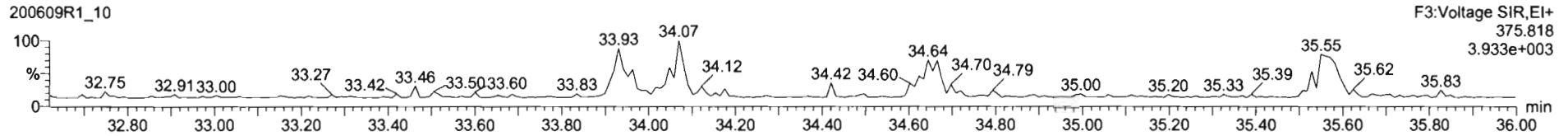
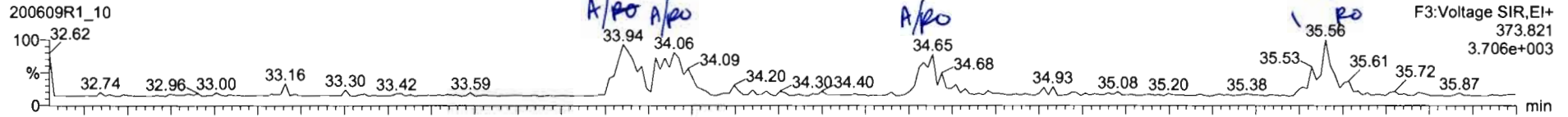


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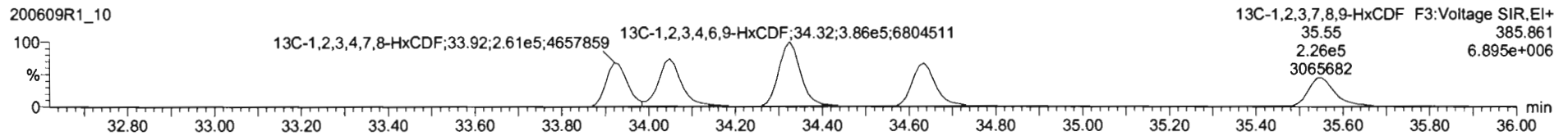
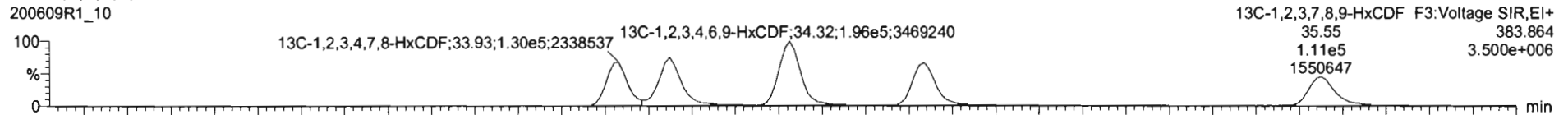
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_10, Date: 09-Jun-2020, Time: 17:55:56, ID: 2001037-02 PDI-RB-2005071052 1.04239, Description: PDI-RB-2005071052

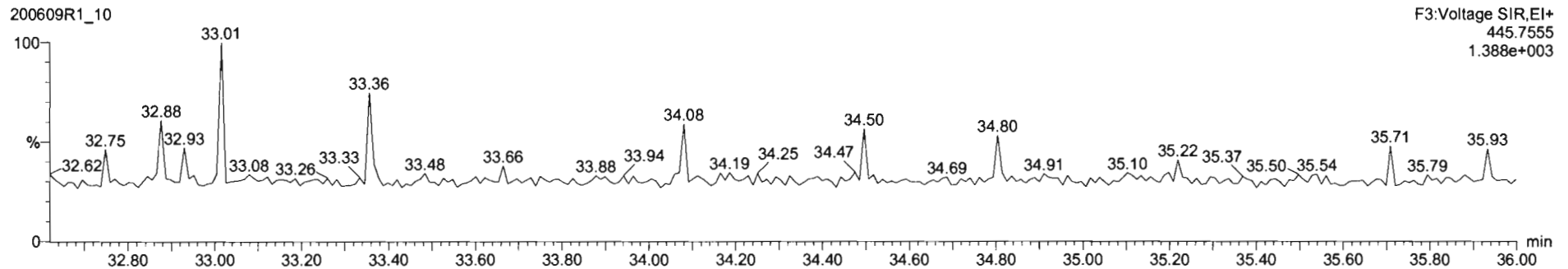
1,2,3,4,7,8-HxCDF

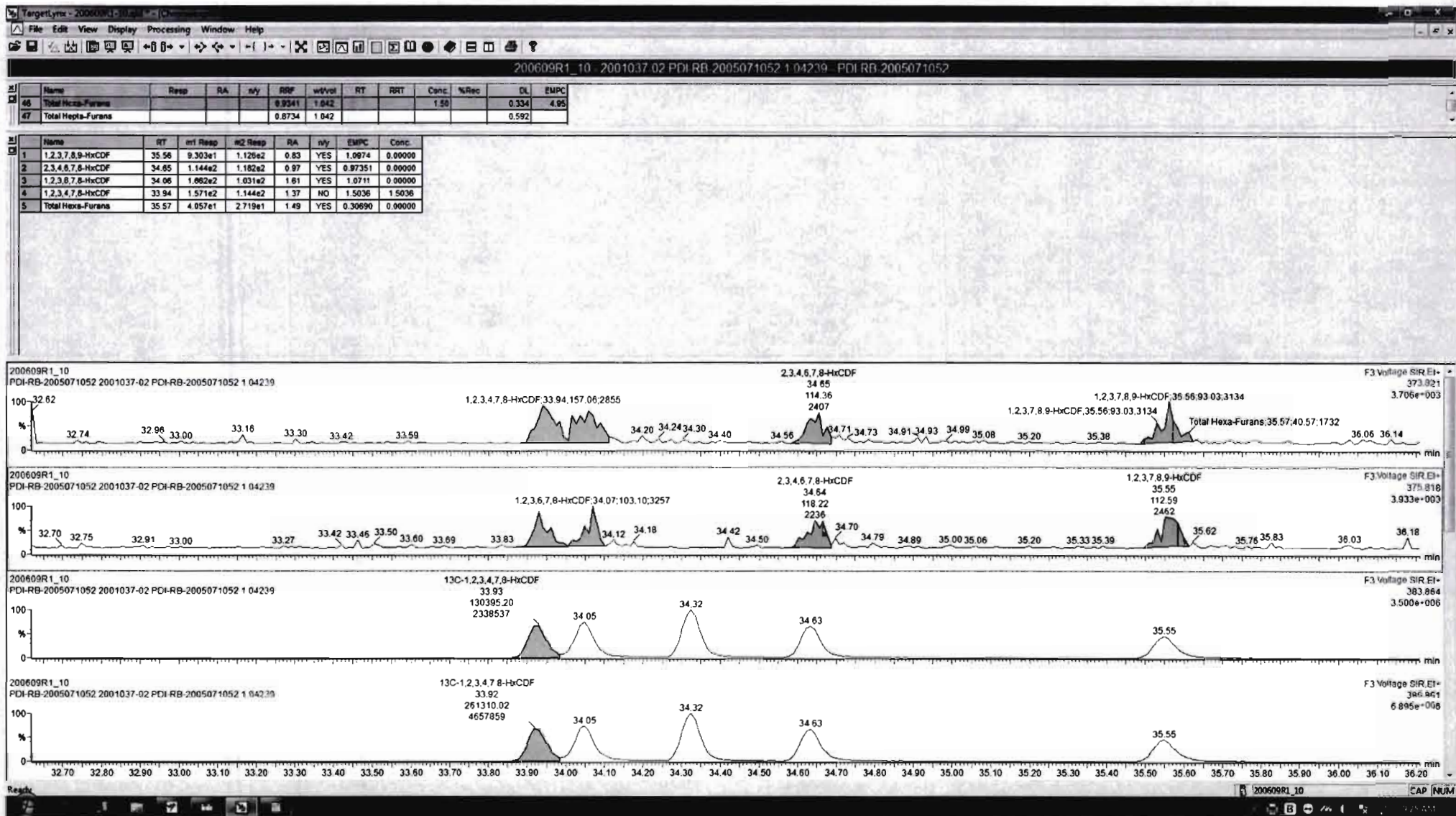


13C-1,2,3,4,7,8-HxCDF



DPE3





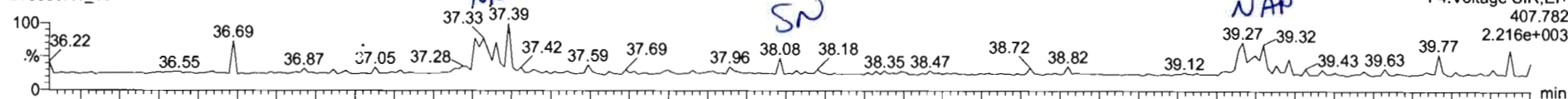
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Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

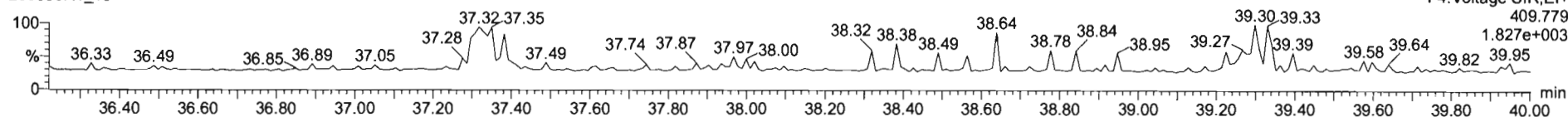
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1,2,3,4,6,7,8-HpCDF

200609R1_10

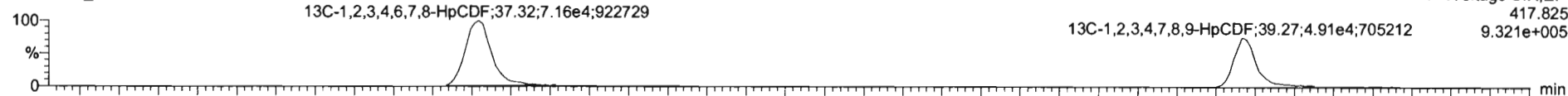


200609R1_10

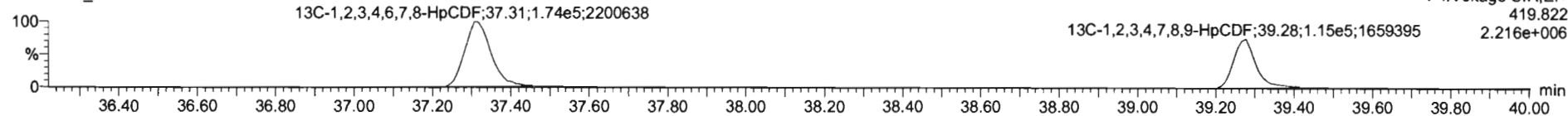


13C-1,2,3,4,6,7,8-HpCDF

200609R1_10

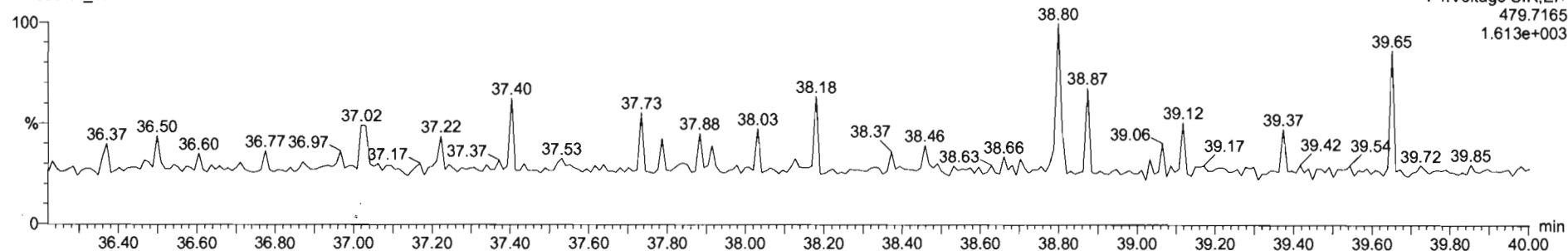


200609R1_10



DPE4

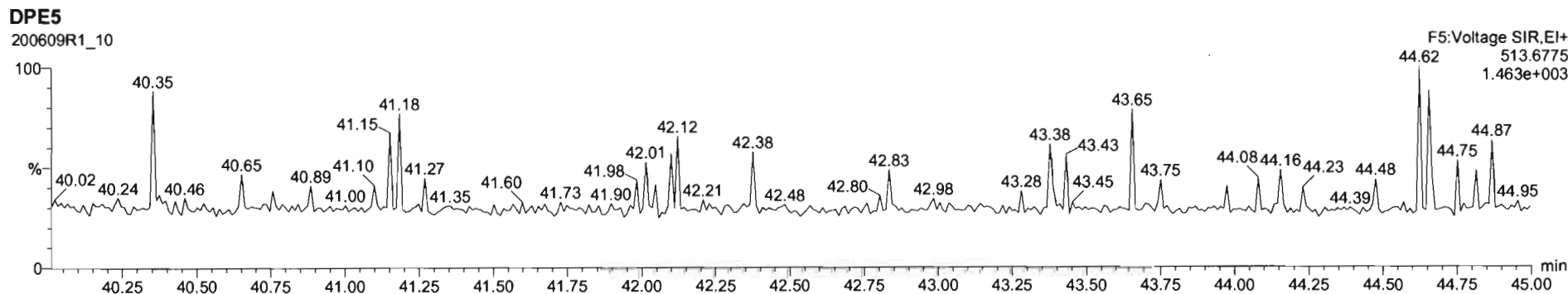
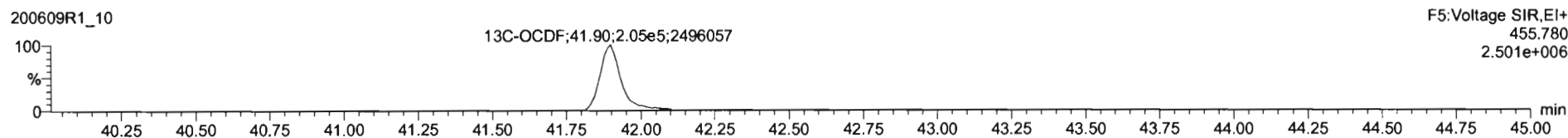
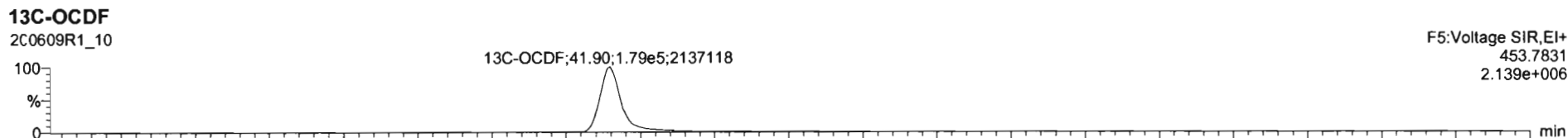
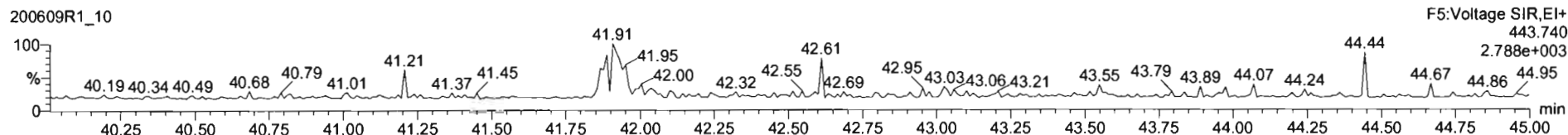
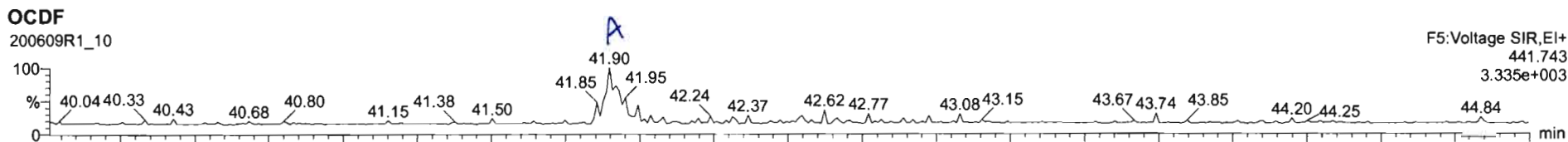
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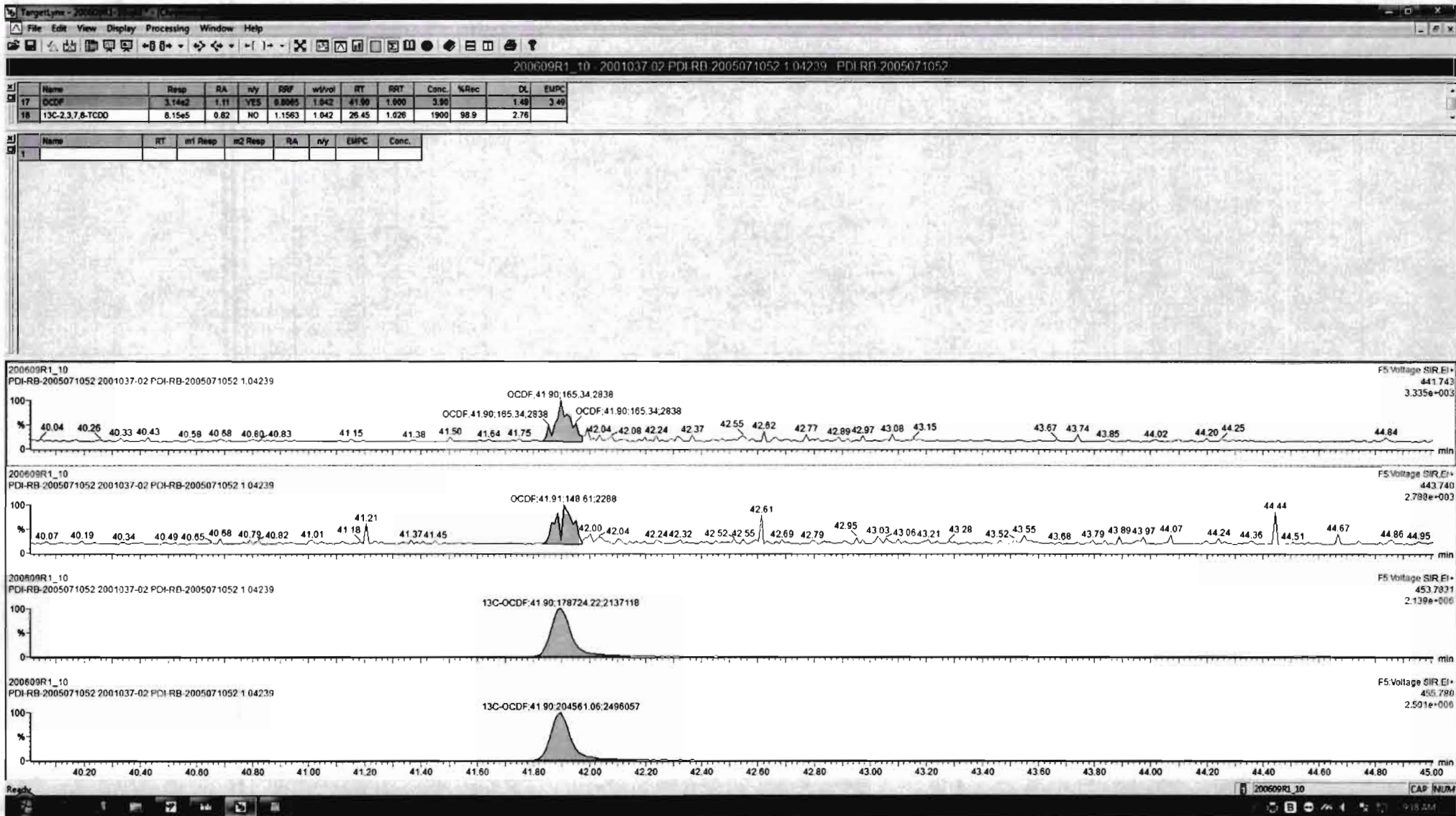


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Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_10, Date: 09-Jun-2020, Time: 17:55:56, ID: 2001037-02 PDI-RB-2005071052 1.04239, Description: PDI-RB-2005071052



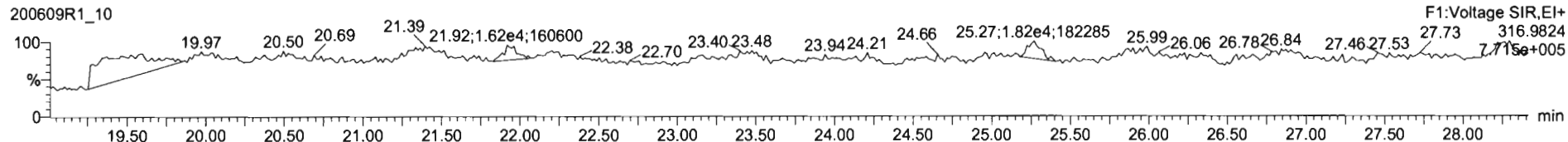


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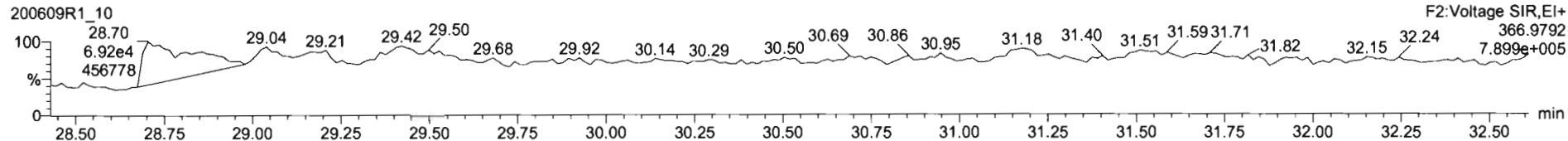
Last Altered: Wednesday, June 10, 2020 07:36:36 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 07:38:53 Pacific Daylight Time

Name: 200609R1_10, Date: 09-Jun-2020, Time: 17:55:56, ID: 2001037-02 PDI-RB-2005071052 1.04239, Description: PDI-RB-2005071052

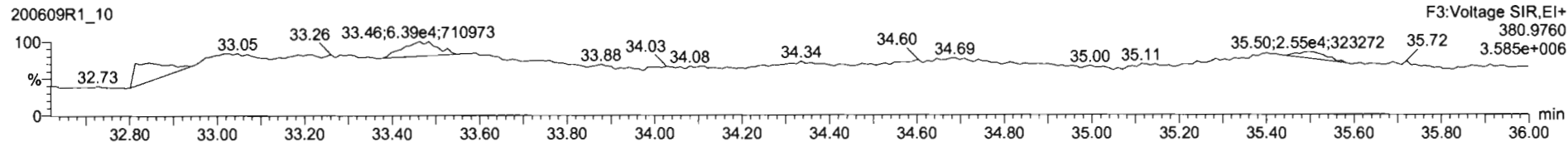
PFK1



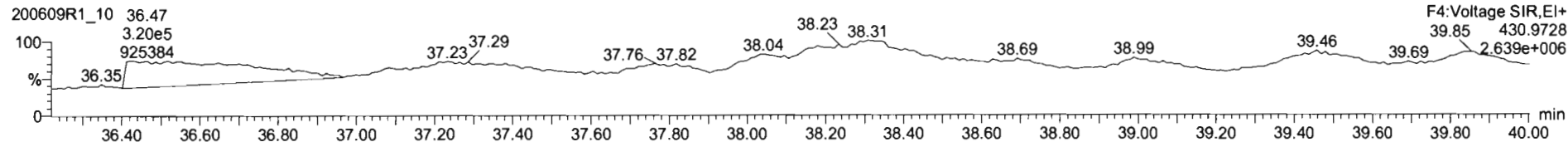
PFK2



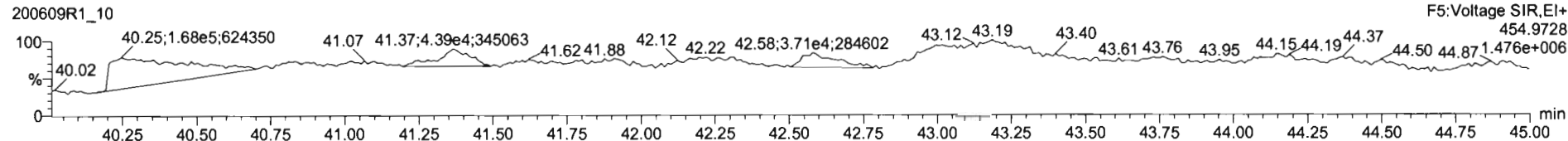
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-4.qld

Last Altered: Tuesday, June 09, 2020 4:38:18 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 4:59:31 PM Pacific Daylight Time

dy 06-09-2020

07/06/12/2020

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

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

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-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	0.888	10.000	26.471		1.001				0.138	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.000	31.442		1.001				0.163	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.000	34.814		1.000				0.128	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.000	34.911		1.000				0.138	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.000	35.199		1.000				0.156	
6	6 1,2,3,4,6,7,8-HpCDD	2.47e2	0.85	YES	0.864	10.000	38.725	38.76	1.000	1.001	0.28477		0.113	0.256
7	7 OCDD	1.72e3	0.82	NO	0.914	10.000	41.695	41.73	1.000	1.001	2.5291		0.407	2.53
8	8 2,3,7,8-TCDF			NO	0.751	10.000	25.582		1.001				0.0908	
9	9 1,2,3,7,8-PeCDF	1.75e2	0.87	YES	0.893	10.000	30.160	30.18	1.001	1.002	0.065446		0.0383	0.0500
10	10 2,3,4,7,8-PeCDF	2.65e2	0.95	YES	0.935	10.000	31.146	31.13	1.001	1.000	0.085928		0.0343	0.0770
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.000	33.920		1.000				0.0775	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.000	34.058		1.000				0.0676	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.000	34.669		1.001				0.0736	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.000	35.550		1.000				0.122	
15	15 1,2,3,4,6,7,8-HpCDF	1.27e2	0.83	YES	0.873	10.000	37.344	37.35	1.001	1.001	0.11967		0.0749	0.106
16	16 1,2,3,4,7,8,9-HpCDF	1.23e2	0.85	YES	1.01	10.000	39.267	39.29	1.000	1.000	0.14545		0.0830	0.131
17	17 OCDF	3.04e2	0.64	YES	0.806	10.000	41.887	41.91	1.000	1.000	0.41260		0.284	0.343
18	18 13C-2,3,7,8-TCDD	4.79e5	0.75	NO	1.16	10.000	26.461	26.44	1.026	1.026	129.90	64.9	0.282	
19	19 13C-1,2,3,7,8-PeCDD	3.91e5	0.65	NO	0.849	10.000	31.637	31.42	1.227	1.219	144.40	72.2	0.423	
20	20 13C-1,2,3,4,7,8-HxCDD	2.58e5	1.29	NO	0.779	10.000	34.809	34.80	1.014	1.014	114.94	57.5	0.559	
21	21 13C-1,2,3,6,7,8-HxCDD	3.45e5	1.27	NO	1.02	10.000	34.922	34.91	1.017	1.017	117.60	58.8	0.428	
22	22 13C-1,2,3,7,8,9-HxCDD	2.99e5	1.29	NO	0.903	10.000	35.193	35.19	1.025	1.025	115.06	57.5	0.483	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.01e5	1.04	NO	0.689	10.000	38.715	38.71	1.128	1.128	101.08	50.5	0.374	
24	24 13C-OCDD	2.98e5	0.89	NO	0.652	10.000	41.736	41.69	1.216	1.215	158.75	39.7	0.443	
25	25 13C-2,3,7,8-TCDF	6.06e5	0.76	NO	1.06	10.000	25.504	25.56	0.989	0.991	114.30	57.2	0.475	
26	26 13C-1,2,3,7,8-PeCDF	6.00e5	1.63	NO	0.838	10.000	30.023	30.14	1.165	1.169	142.97	71.5	0.617	
27	27 13C-2,3,4,7,8-PeCDF	5.91e5	1.64	NO	0.817	10.000	30.975	31.11	1.202	1.207	144.59	72.3	0.633	
28	28 13C-1,2,3,4,7,8-HxCDF	3.67e5	0.50	NO	1.01	10.000	33.941	33.92	0.989	0.988	126.50	63.3	0.644	
29	29 13C-1,2,3,6,7,8-HxCDF	4.56e5	0.50	NO	1.17	10.000	34.064	34.05	0.992	0.992	135.64	67.8	0.556	
30	30 13C-2,3,4,6,7,8-HxCDF	3.90e5	0.50	NO	1.02	10.000	34.637	34.63	1.009	1.009	132.49	66.2	0.635	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-4.qld

Last Altered: Tuesday, June 09, 2020 4:38:18 PM Pacific Daylight Time
Printed: Tuesday, June 09, 2020 4:59:31 PM Pacific Daylight Time

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-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
31	13C-1,2,3,7,8,9-HxCDF	3.12e5	0.51	NO	0.860	10.000	35.537	35.55	1.035	1.036	126.11	63.1	0.754	
32	13C-1,2,3,4,6,7,8-HpCDF	2.44e5	0.42	NO	0.774	10.000	37.284	37.31	1.086	1.087	109.14	54.6	0.561	
33	13C-1,2,3,4,7,8,9-HpCDF	1.67e5	0.42	NO	0.521	10.000	39.312	39.27	1.145	1.144	111.40	55.7	0.833	
34	13C-OCDF	3.66e5	0.89	NO	0.746	10.000	41.907	41.89	1.221	1.220	170.06	42.5	0.437	
35	37Cl-2,3,7,8-TCDD	1.81e5			1.04	10.000	26.492	26.47	1.028	1.027	54.608	68.3	0.0767	
36	13C-1,2,3,4-TCDD	6.38e5	0.79	NO	1.00	10.000	25.890	25.78	1.000	1.000	200.00	100	0.326	
37	13C-1,2,3,4-TCDF	1.00e6	0.78	NO	1.00	10.000	24.360	24.10	1.000	1.000	200.00	100	0.503	
38	13C-1,2,3,4,6,9-HxCDF	5.77e5	0.51	NO	1.00	10.000	34.420	34.33	1.000	1.000	200.00	100	0.648	
39	Total Tetra-Dioxins				0.888	10.000	24.620		0.000				0.0870	
40	Total Penta-Dioxins				0.908	10.000	29.960		0.000				0.0864	
41	Total Hexa-Dioxins				0.892	10.000	33.635		0.000				0.0880	
42	Total Hepta-Dioxins				0.864	10.000	37.640		0.000		0.00000		0.113	0.256
43	Total Tetra-Furans				0.751	10.000	23.610		0.000				0.0319	
44	1st Func. Penta-Furans				0.893	10.000	27.580		0.000				0.0192	
45	Total Penta-Furans				0.893	10.000	29.275		0.000		0.00000		0.0356	0.127
46	Total Hexa-Furans				0.934	10.000	33.555		0.000				0.0402	
47	Total Hepta-Furans				0.873	10.000	37.835		0.000		0.00000		0.0836	0.238

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Dataset: U:\VG12.PRO\Results\200608R1\200608R1-4.qld

Last Altered: Tuesday, June 09, 2020 4:38:18 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 4:59:31 PM Pacific Daylight Time

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

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

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-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	1,2,3,4,6,7,8-HpCDD	38.76	2.821e3	2.688e3	1.133e2	1.337e2	0.85	YES	2.470e2	0.00000	0.25600	0.113

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-4.qld

Last Altered: Tuesday, June 09, 2020 4:38:18 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 4:59:31 PM Pacific Daylight Time

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-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	1,2,3,7,8-PeCDF	30.18	1.952e3	2.229e3	8.164e1	9.347e1	0.87	YES	1.751e2	0.00000	0.050000	0.0353
2	2,3,4,7,8-PeCDF	31.13	1.750e3	3.038e3	1.290e2	1.359e2	0.95	YES	2.649e2	0.00000	0.077000	0.0343

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	1,2,3,4,6,7,8-HpCDF	37.35	9.430e2	1.466e3	5.770e1	6.966e1	0.83	YES	1.274e2	0.00000	0.10600	0.0749
2	1,2,3,4,7,8,9-HpCDF	39.29	1.148e3	9.620e2	5.677e1	6.647e1	0.85	YES	1.232e2	0.00000	0.13100	0.0830

Dataset: Untitled

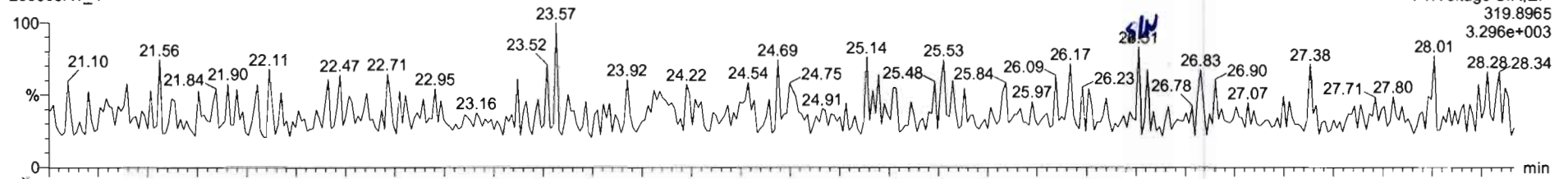
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

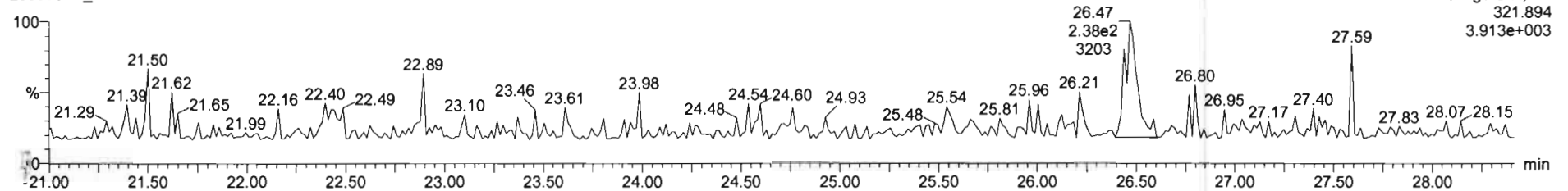
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2,3,7,8-TCDD

200608R1_4

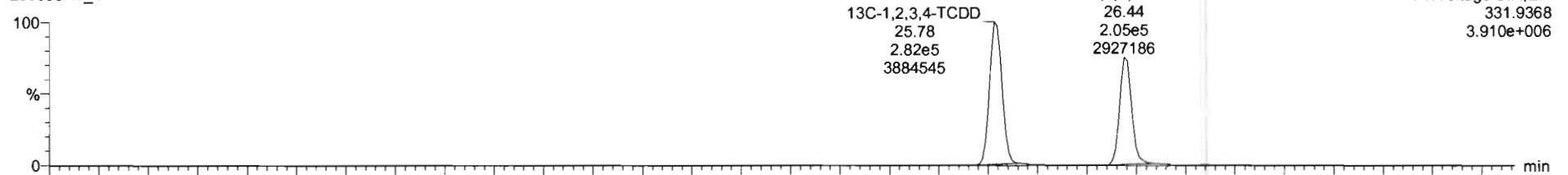


200608R1_4

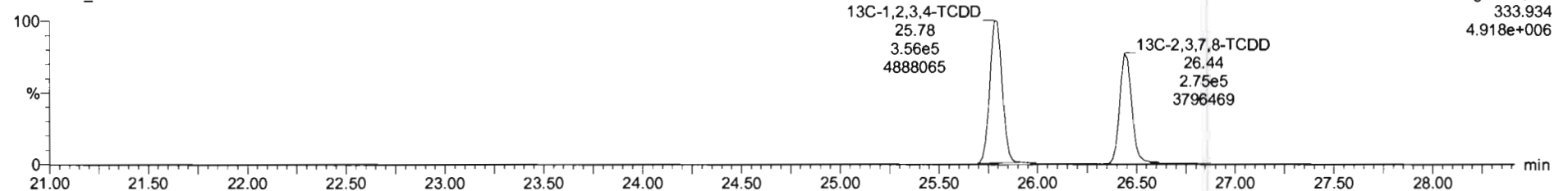


13C-2,3,7,8-TCDD

200608R1_4



200608R1_4



Dataset: Untitled

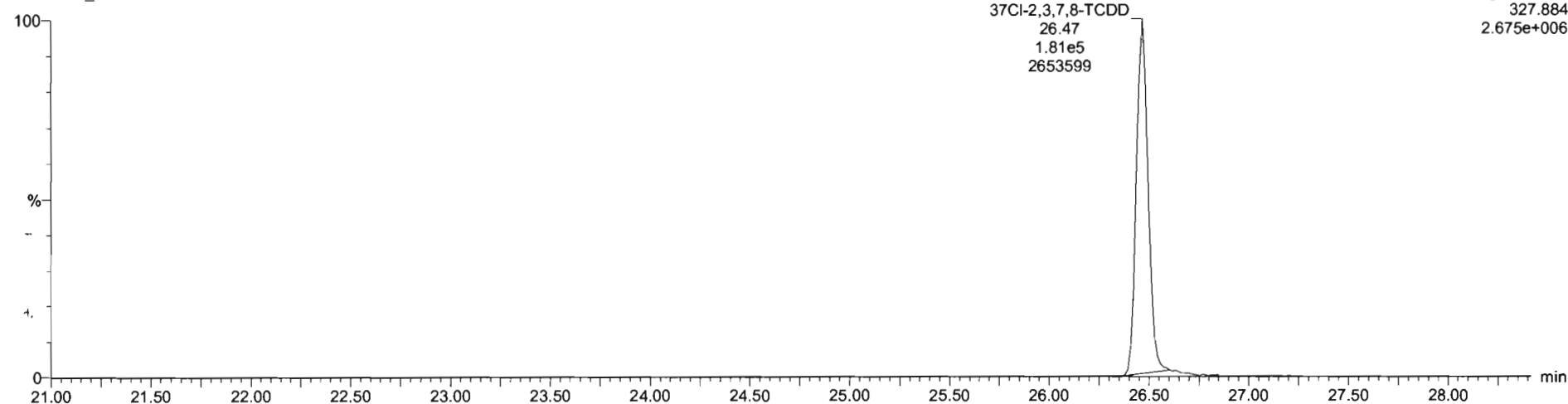
Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

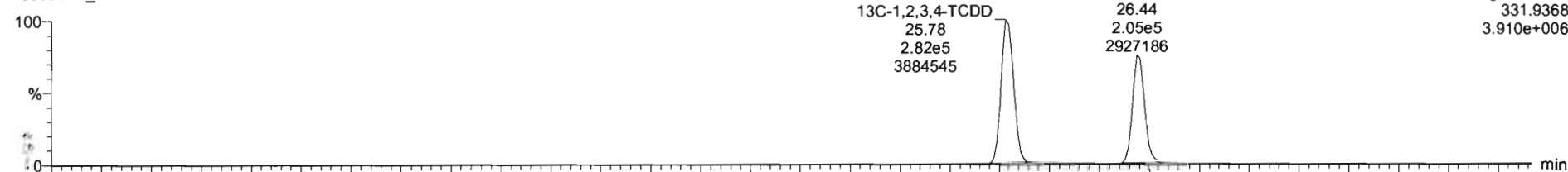
37Cl-2,3,7,8-TCDD

200608R1_4

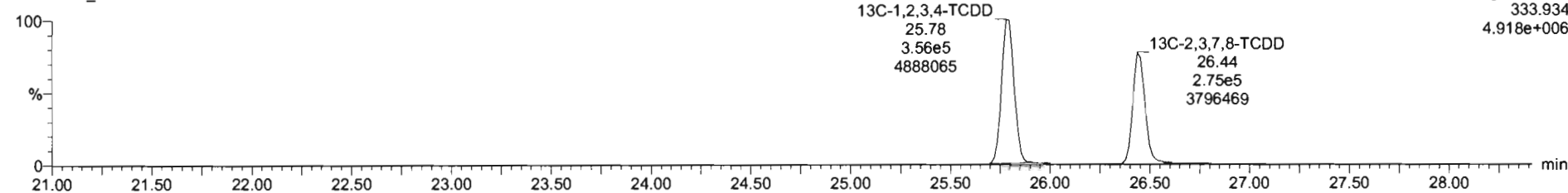


13C-1,2,3,4-TCDD

200608R1_4



200608R1_4



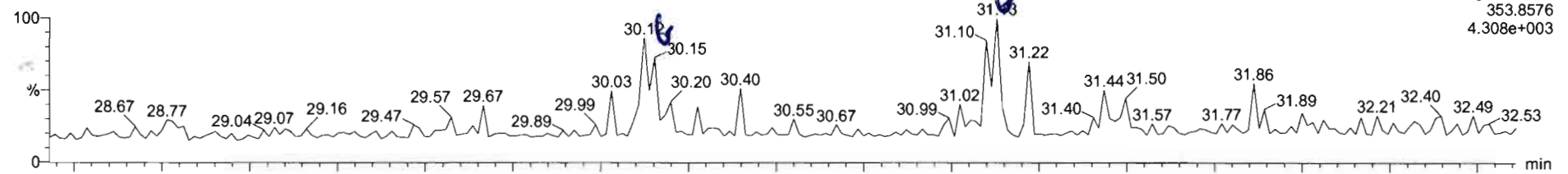
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

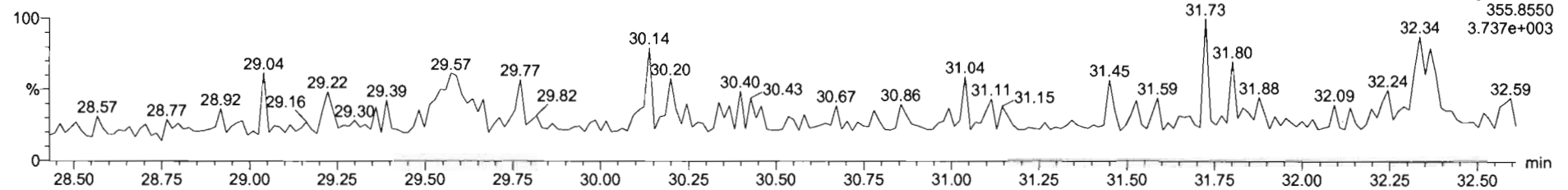
Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDD

200608R1_4

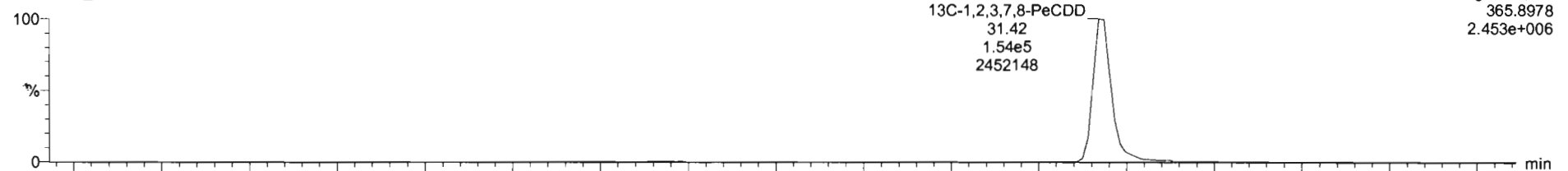


200608R1_4

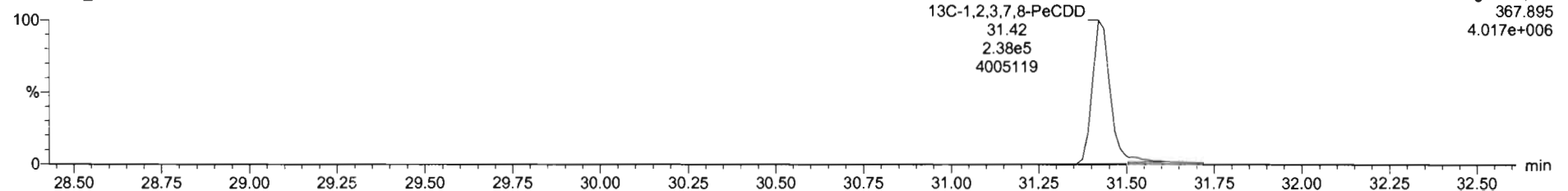


13C-1,2,3,7,8-PeCDD

200608R1_4



200608R1_4



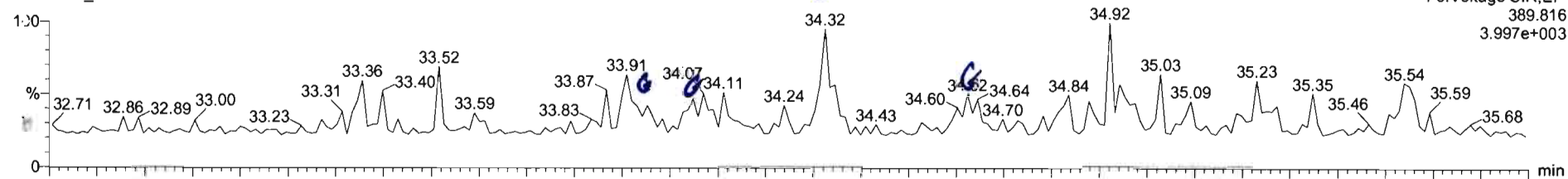
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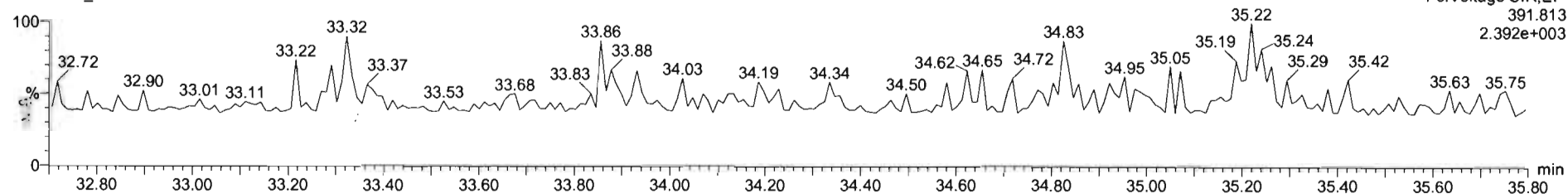
Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

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

200608R1_4

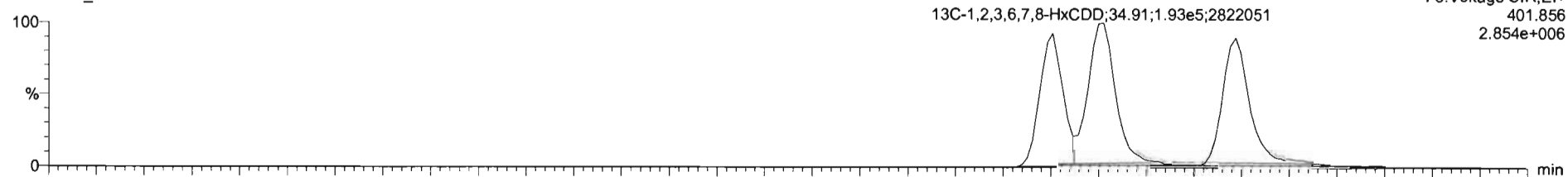


200608R1_4

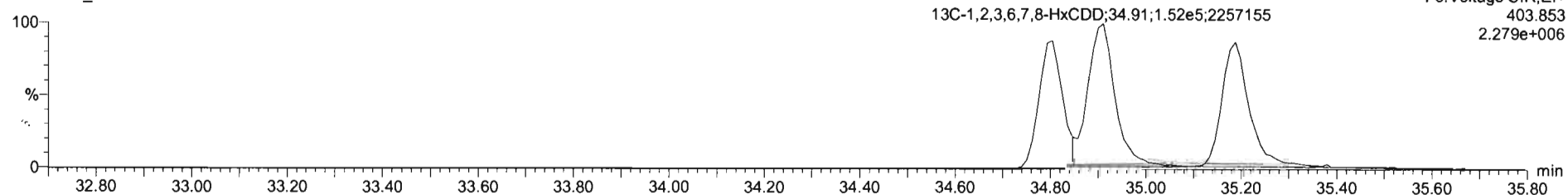


13C-1,2,3,4,7,8-HxCDD

200608R1_4



200608R1_4



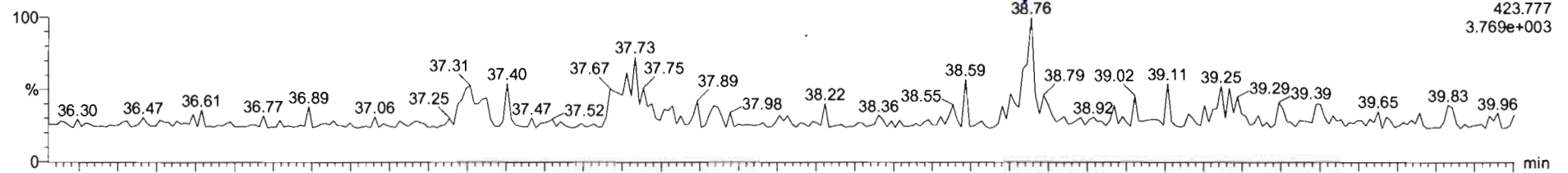
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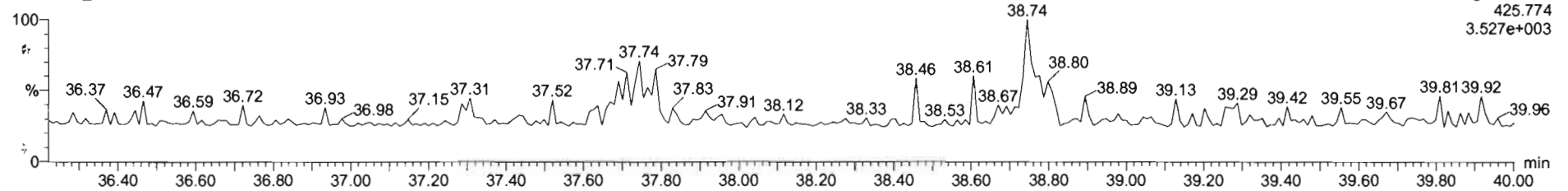
Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

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

200608R1_4

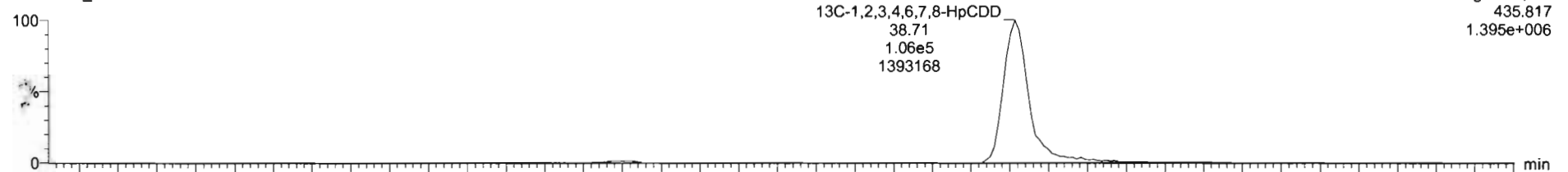


200608R1_4

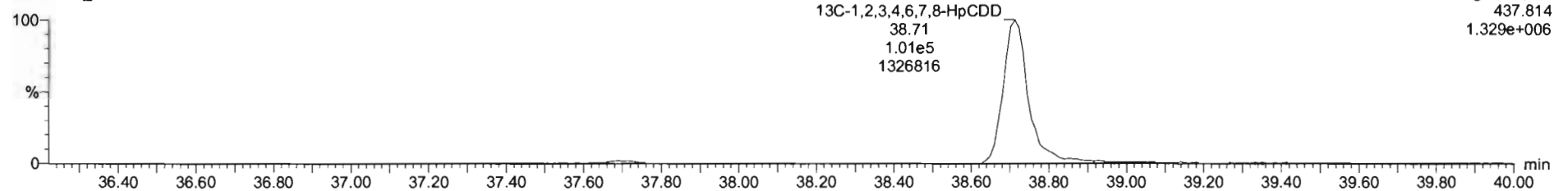


13C-1,2,3,4,6,7,8-HpCDD

200608R1_4

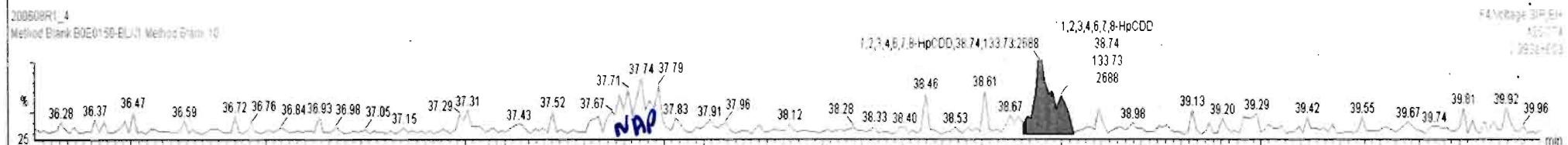
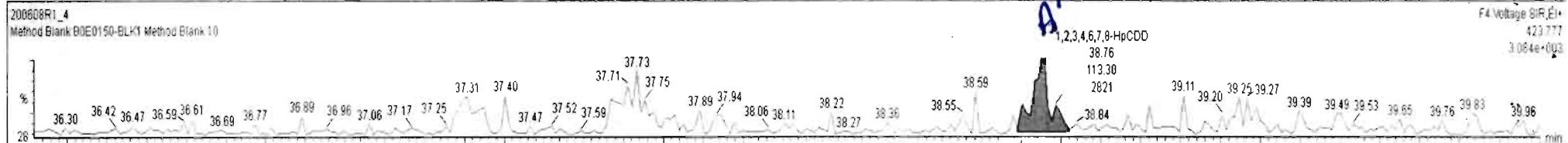


200608R1_4



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.000					0.0864	
41 Total Hexa-Dioxins				0.8923	10.000					0.0880	
42 Total Hepta-Dioxins				0.8639	10.000			0.000		0.113	0.256
43 Total Tetra-Furans				0.7510	10.000					0.0319	
44 1st Func. Penta-Furans				0.8925	10.000					0.0192	

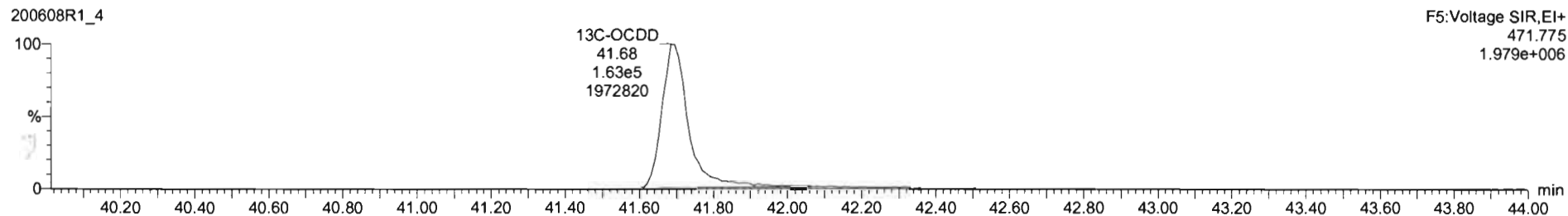
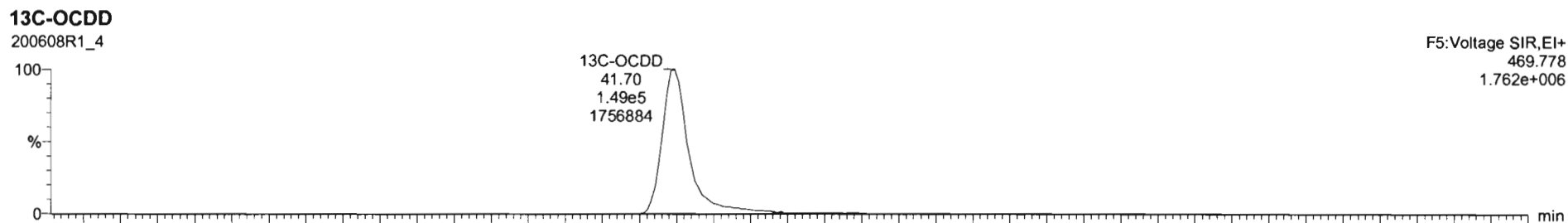
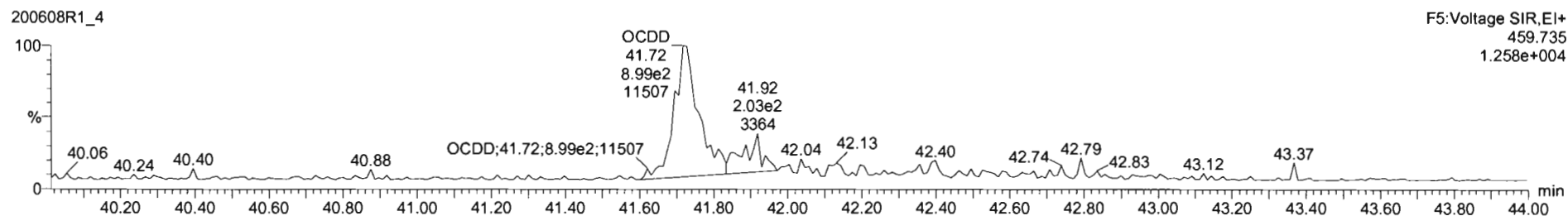
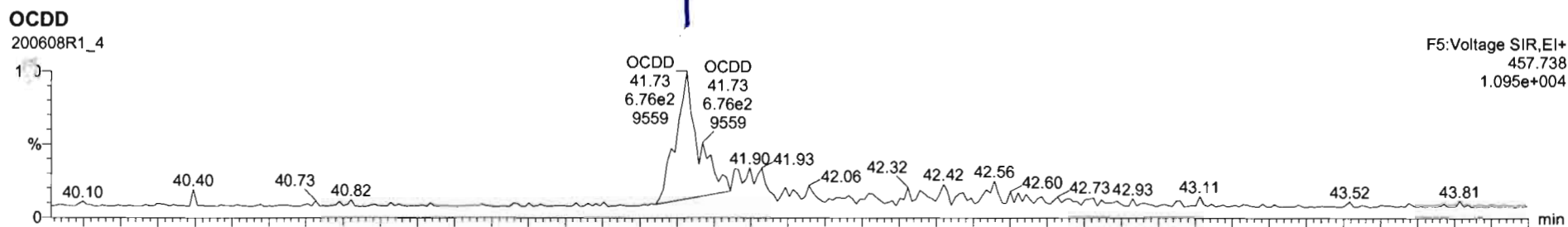
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDD	38.76	1.133e2	1.337e2	0.85	YES	0.25619	0.00000



Dataset: Untitled

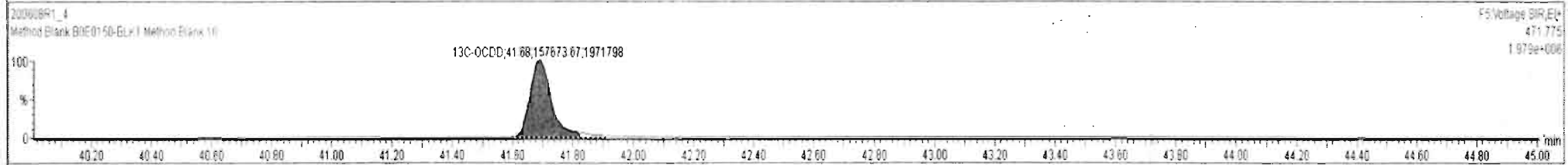
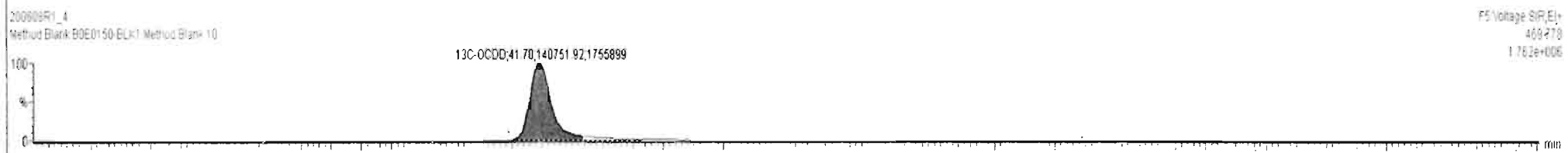
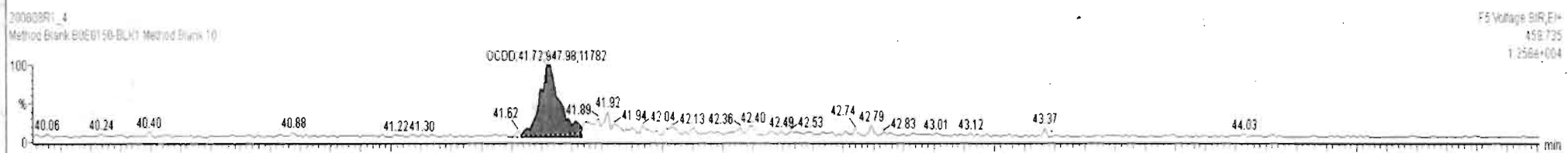
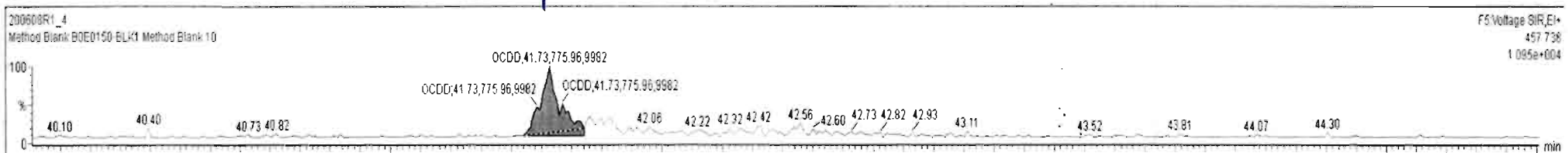
Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	1.72e3	0.82	NO	0.9136	10.000	41.73	1.001	2.53		0.407	2.53
8 2,3,7,8-TCDF			NO	0.7510	10.000					0.0908	
9 1,2,3,7,8-PeCDF			NO	0.8925	10.000					0.0658	
10 2,3,4,7,8-PeCDF			NO	0.9348	10.000					0.0635	
11 1,2,3,4,7,8-HxCDF			NO	0.8845	10.000					0.0775	

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



Dataset: Untitled

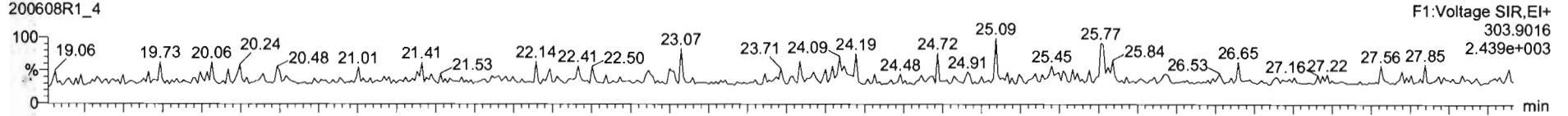
Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

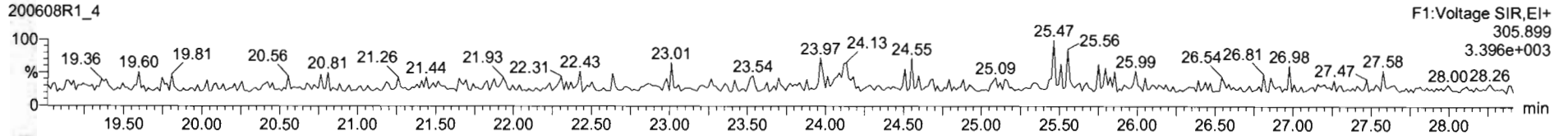
Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDF

200608R1_4

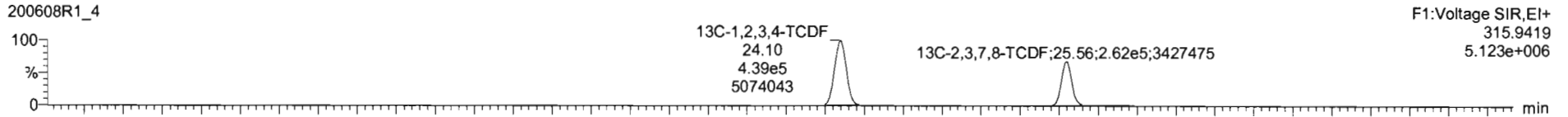


200608R1_4

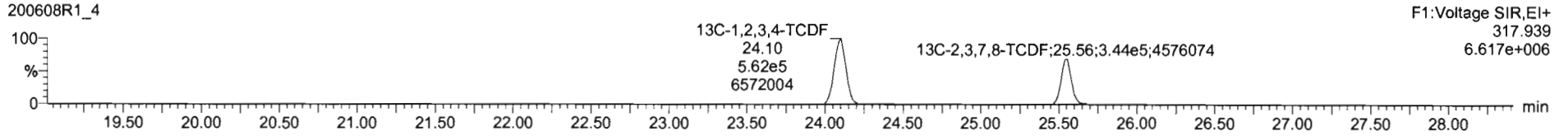


13C-2,3,7,8-TCDF

200608R1_4

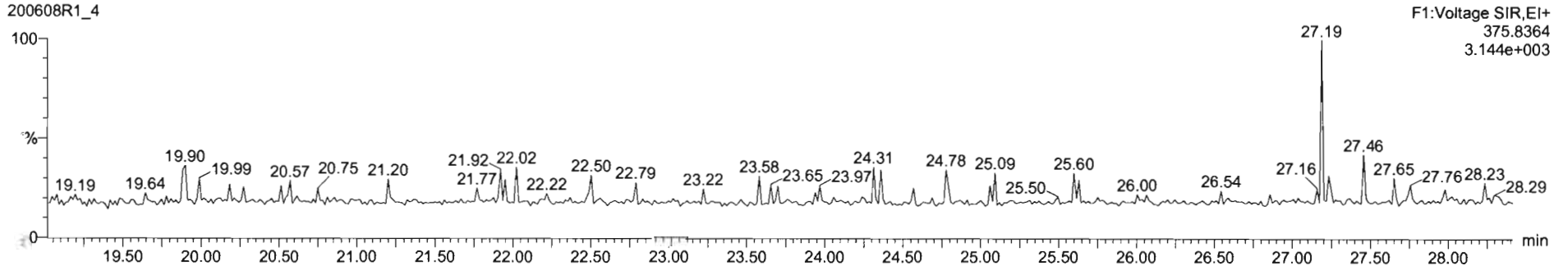


200608R1_4



DPE1

200608R1_4



Dataset: Untitled

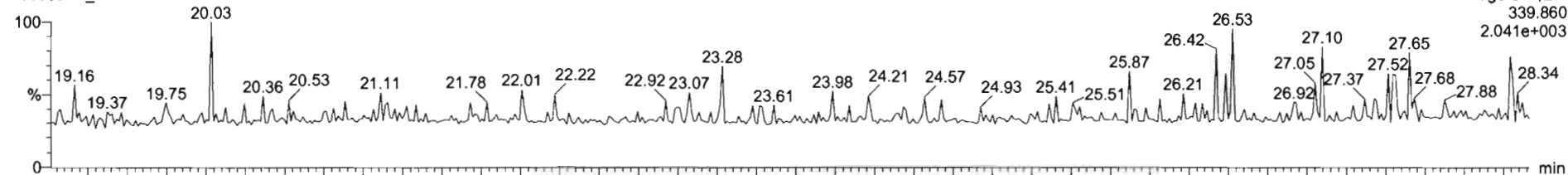
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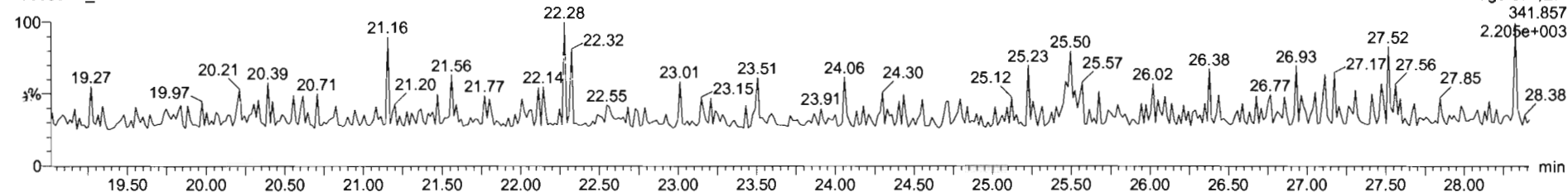
Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

200608R1_4

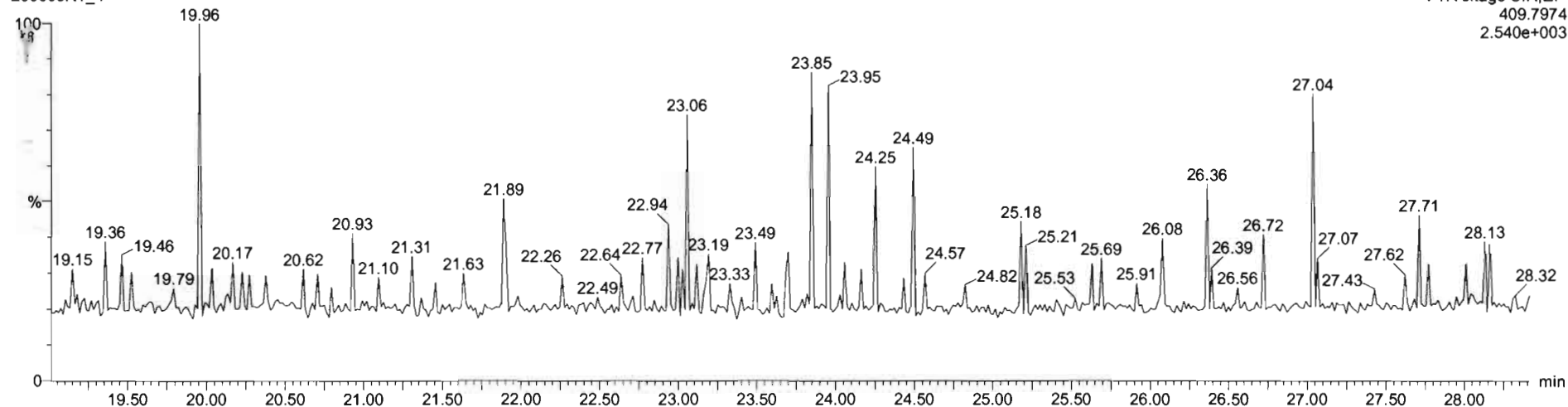


200608R1_4



DPE6

200608R1_4



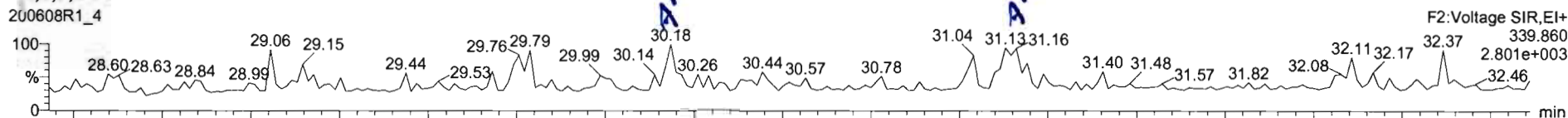
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

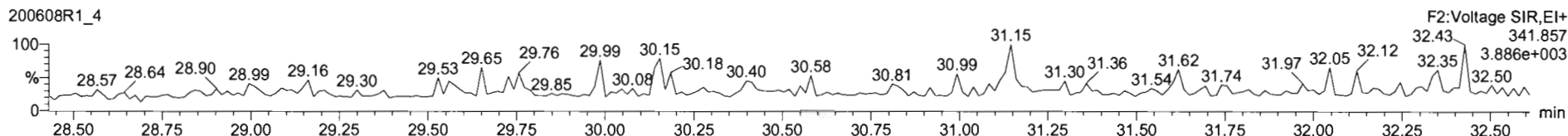
Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDF

200608R1_4

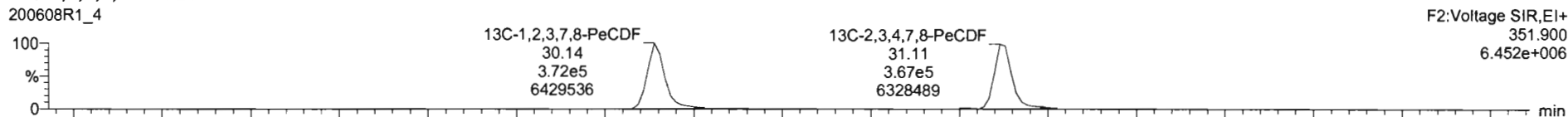


200608R1_4

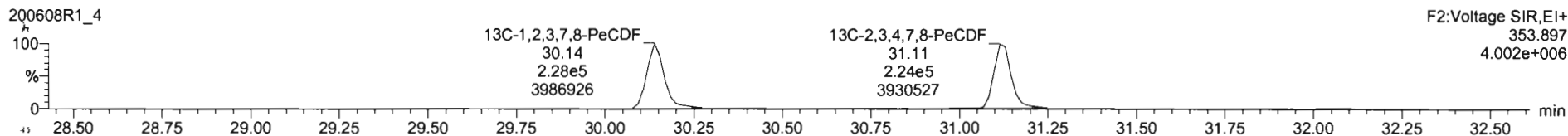


13C-1,2,3,7,8-PeCDF

200608R1_4

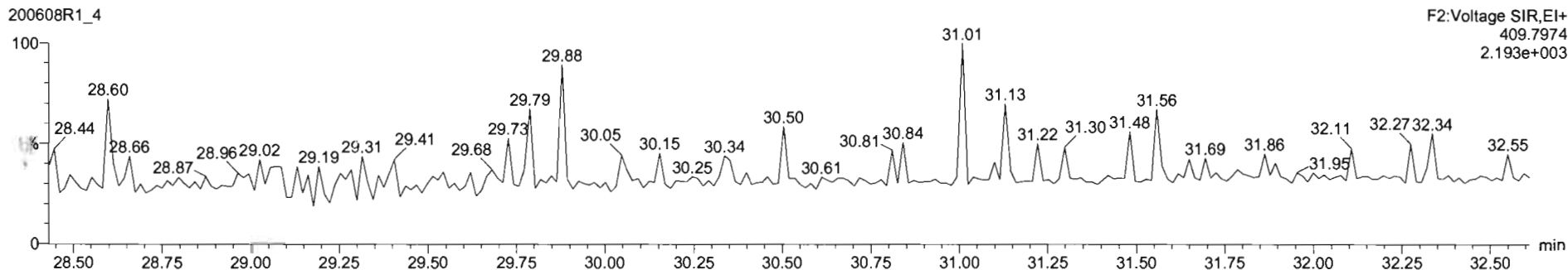


200608R1_4



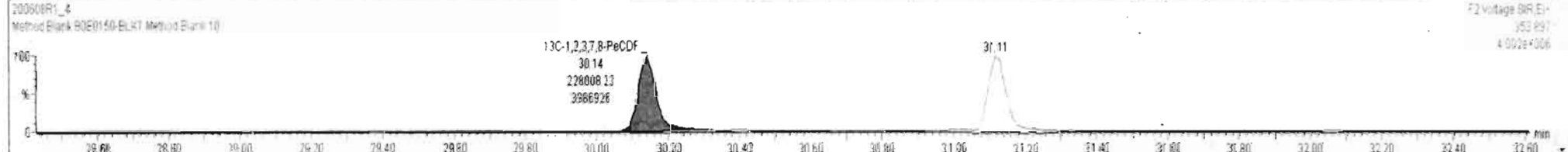
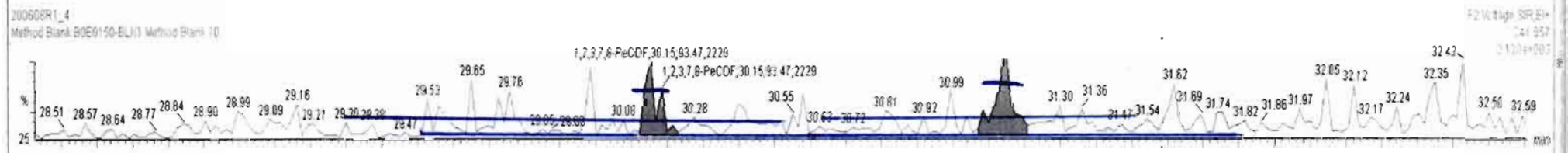
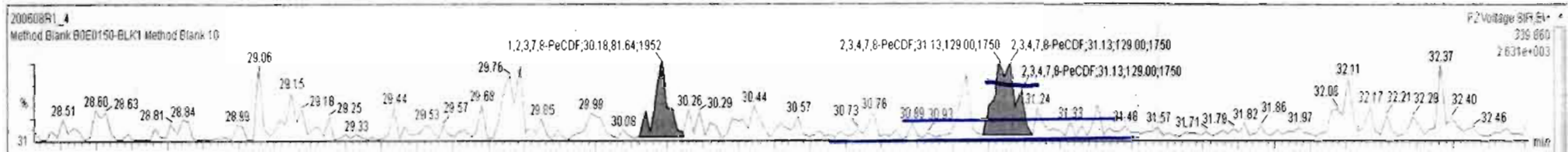
DPE2

200608R1_4



Name	Resp	RA	n/y	RRF	wtAvc	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.000					0.0319	
44 1st Func. Penta-Furans				0.8925	10.000					0.0192	
45 Total Penta-Furans				0.8925	10.000			0.000		0.0356	0.127
46 Total Hexa-Furans				0.9341	10.000					0.0402	
47 Total Hepta-Furans				0.8734	10.000					0.0639	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8-PeCDF	30.18	8.164e1	9.347e1	0.87	YES	0.050198	0.00000
2 2,3,4,7,8-PeCDF	31.13	1.290e2	1.359e2	0.95	YES	0.076853	0.00000

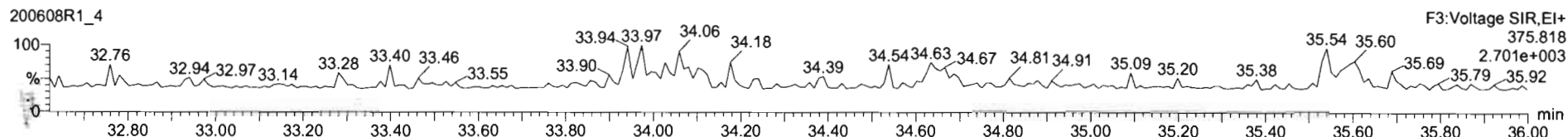
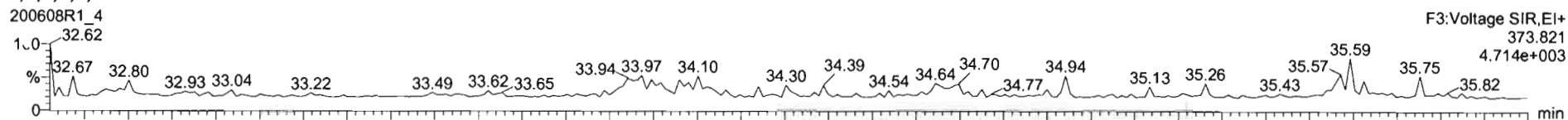


Dataset: Untitled

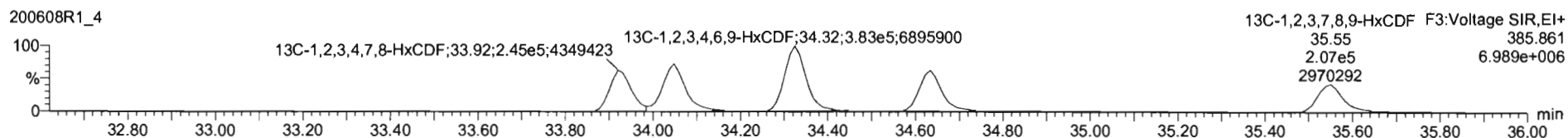
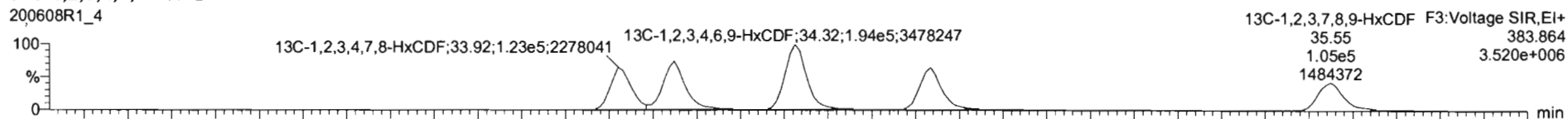
Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

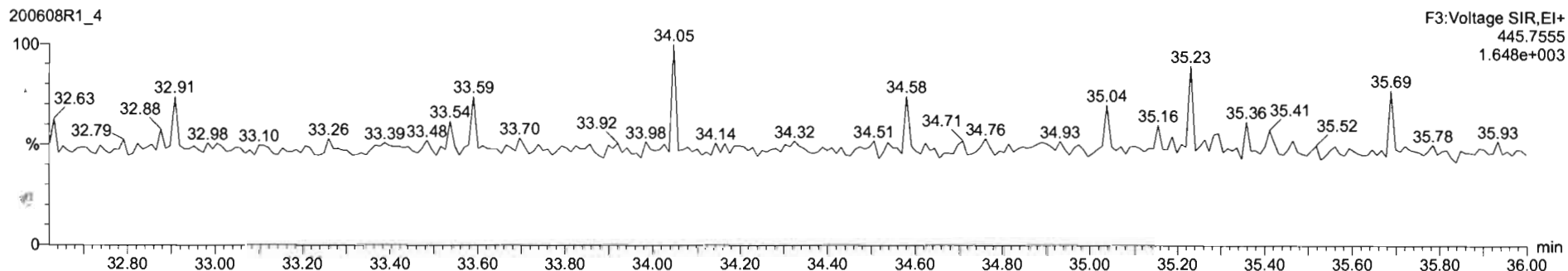
1,2,3,4,7,8-HxCDF



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

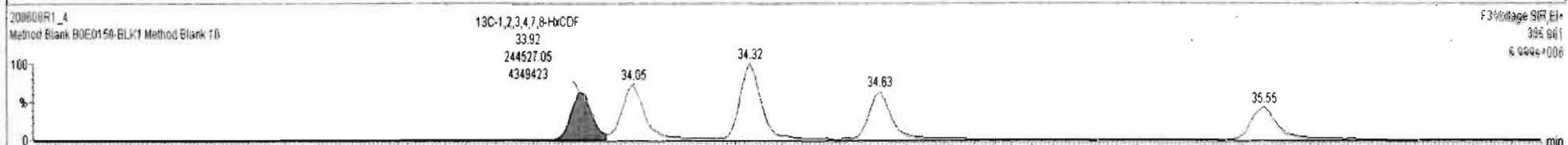
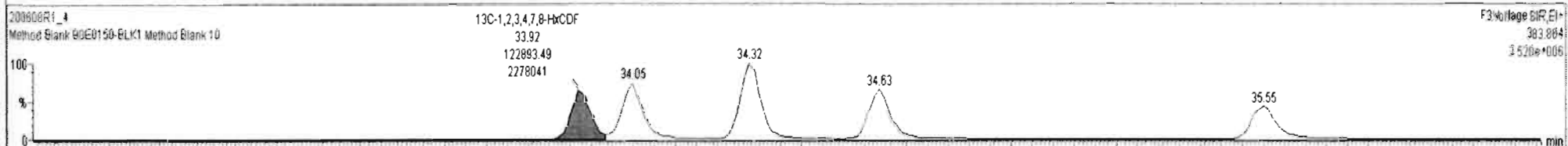
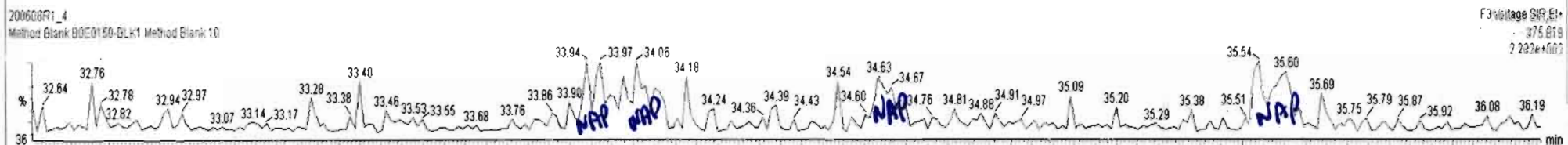
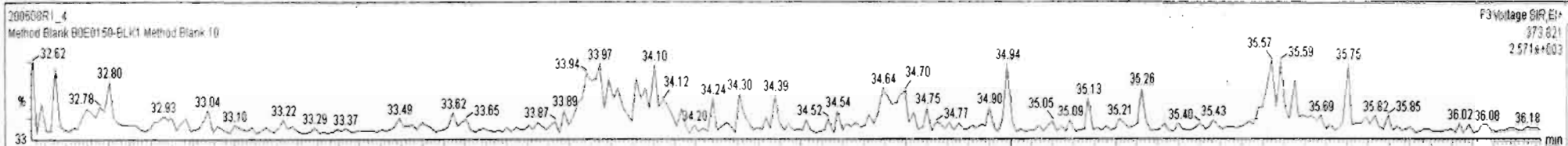


DPE3



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.000					0.0319	
44 1st Func. Penta-Furans				0.8925	10.000					0.0192	
45 Total Penta-Furans				0.8925	10.000			0.000		0.0356	0.127
46 Total Hexa-Furans				0.9341	10.000					0.0402	
47 Total Hepta-Furans				0.8734	10.000					0.0839	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.

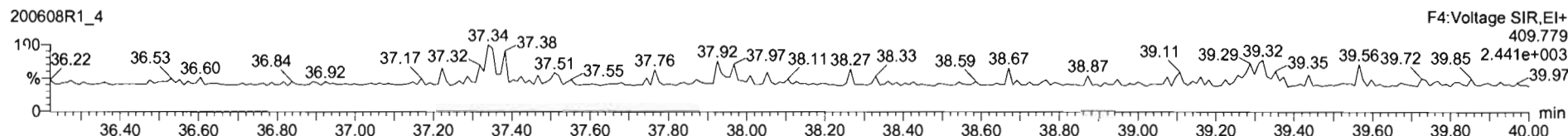
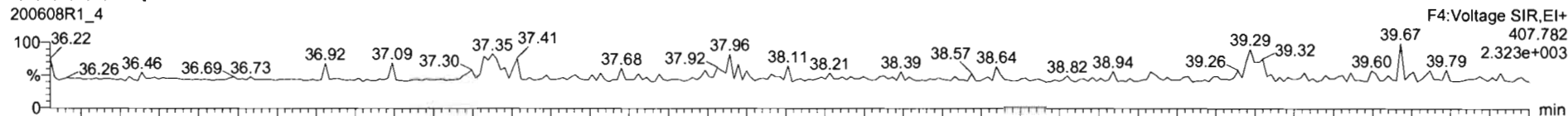


Dataset: Untitled

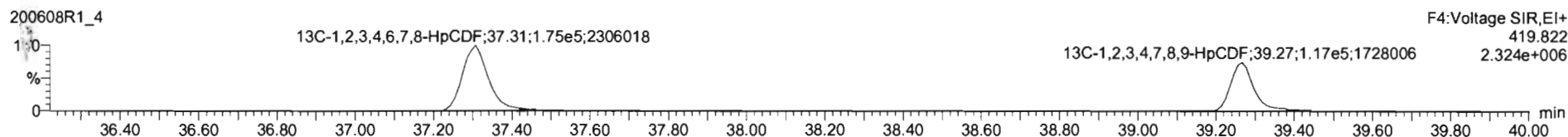
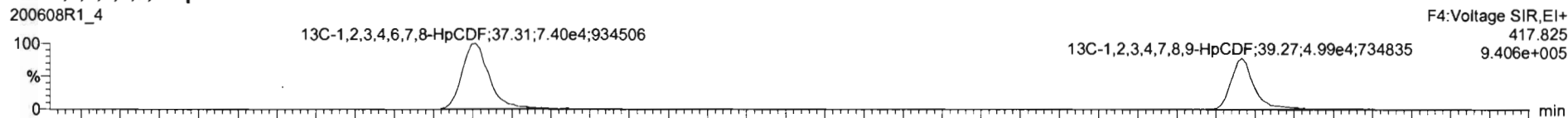
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

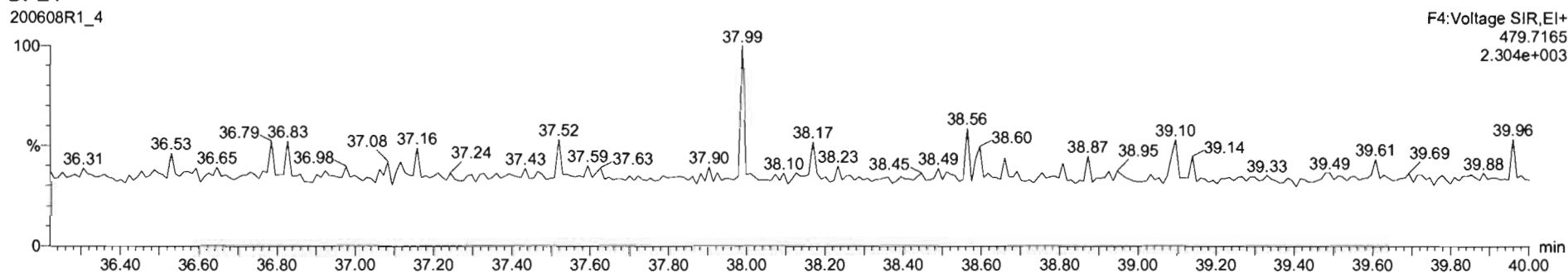
1,2,3,4,6,7,8-HpCDF



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

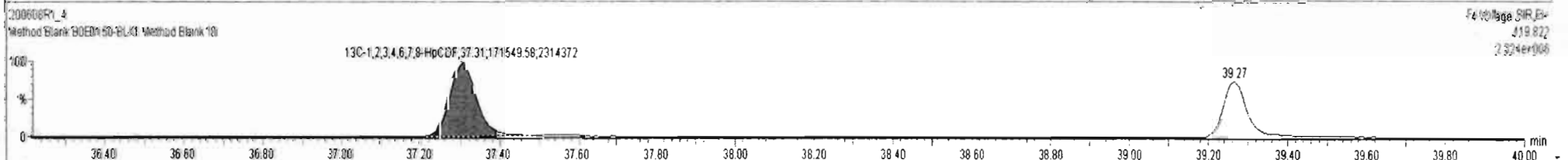
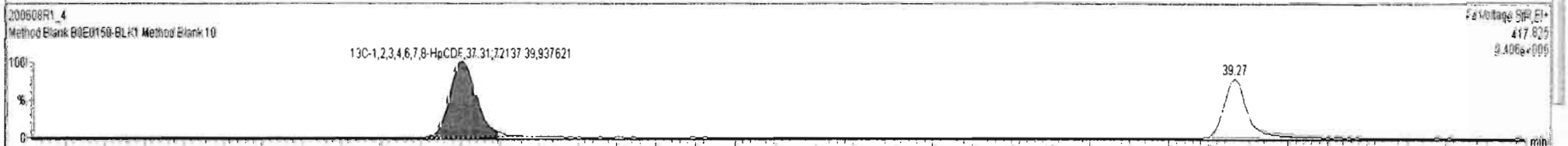
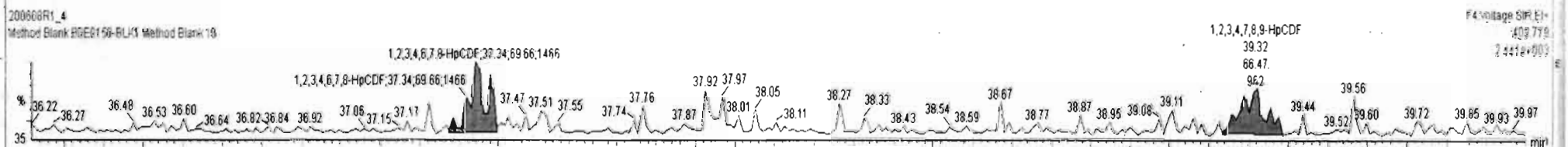
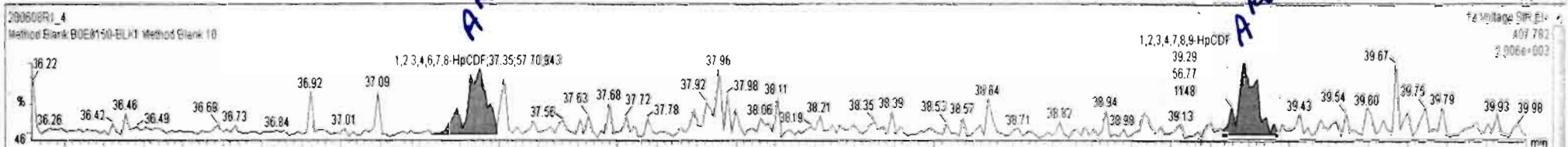


DPE4



Name	Resp	RA	nly	RRF	wtAvcI	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.000					0.0319	
44 1st Func. Penta-Furans				0.8925	10.000					0.0192	
45 Total Penta-Furans				0.8925	10.000			0.000		0.0356	0.127
46 Total Hexa-Furans				0.9341	10.000					0.0402	
47 Total Hepta-Furans				0.8734	10.000			0.000		0.0836	0.238

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.35	5.770e1	6.966e1	0.83	YES	0.10635	0.00000
2 1,2,3,4,7,8,9-HpCDF	39.29	5.677e1	6.647e1	0.85	YES	0.13143	0.00000

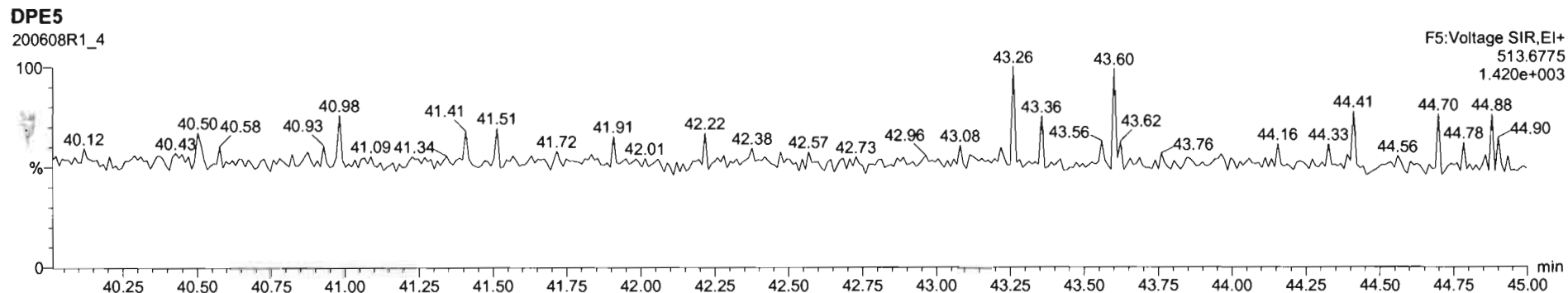
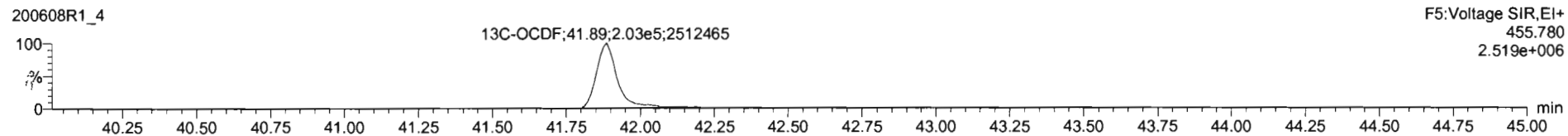
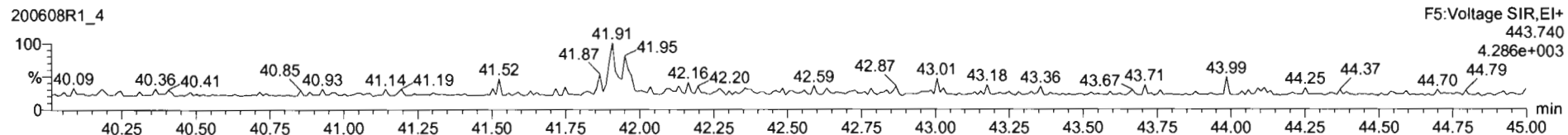
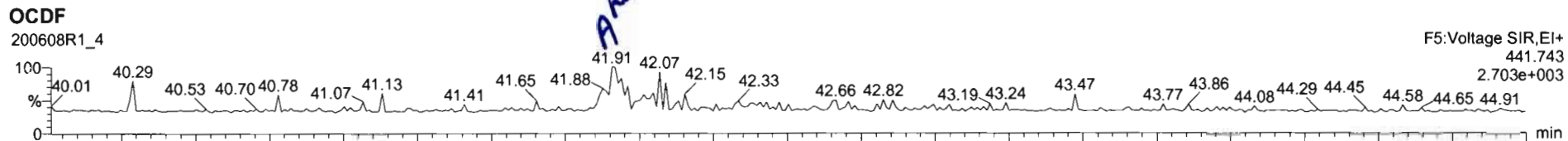


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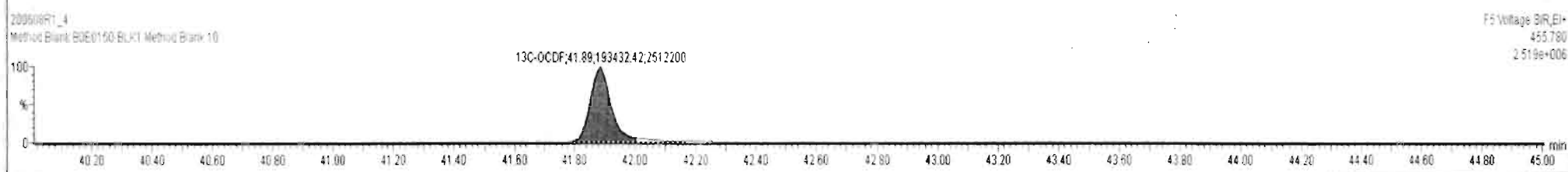
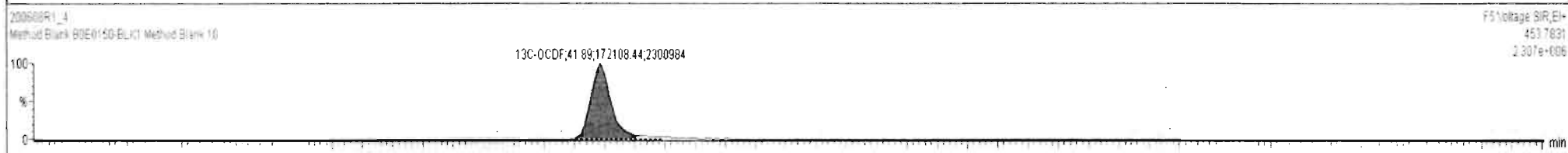
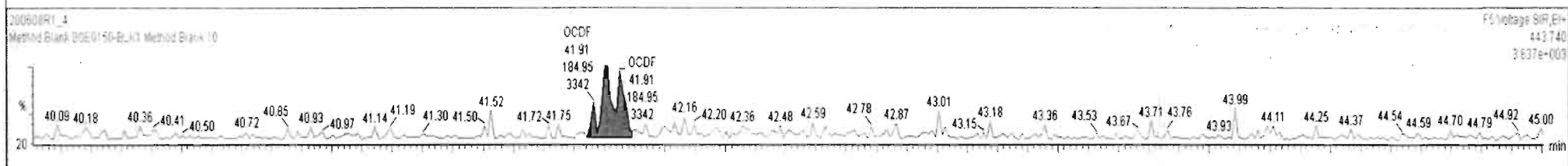
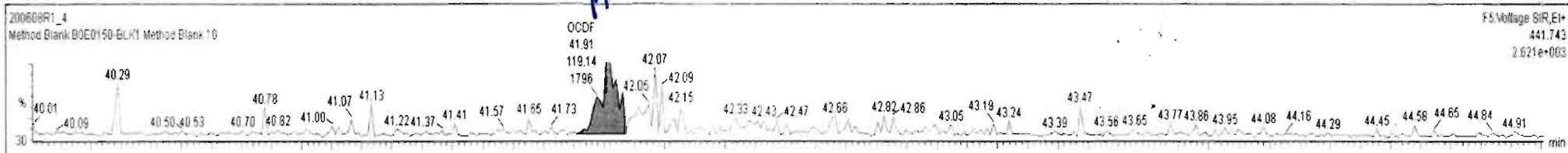
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Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
17 OCDF	3.04e2	0.64	YES	0.8065	10.000	41.91	1.001	0.413		0.204	0.343
18 13C-2,3,7,8-TCDD	4.79e5	0.74	NO	1.1563	10.000	26.44	1.026	130	64.9	0.282	
19 13C-1,2,3,7,8-PeCDD	3.91e5	0.65	NO	0.8490	10.000	31.42	1.219	144	72.2	0.423	
20 13C-1,2,3,4,7,8-HxCDD	2.58e5	1.29	NO	0.7790	10.000	34.80	1.014	115	57.5	0.559	
21 13C-1,2,3,6,7,8-HxCDD	3.45e5	1.27	NO	1.0167	10.000	34.91	1.017	118	56.8	0.428	

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

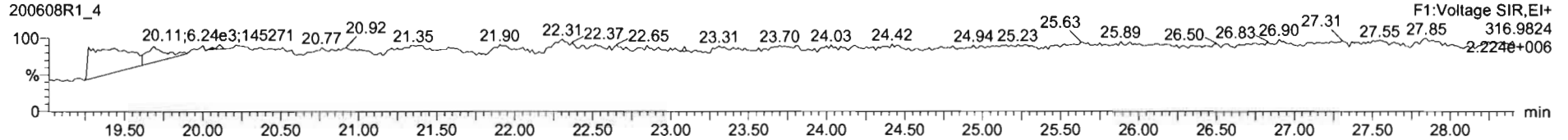


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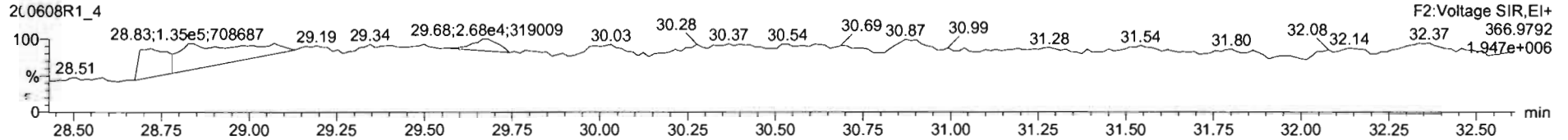
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_4, Date: 08-Jun-2020, Time: 14:02:35, ID: B0E0150-BLK1 Method Blank 10, Description: Method Blank

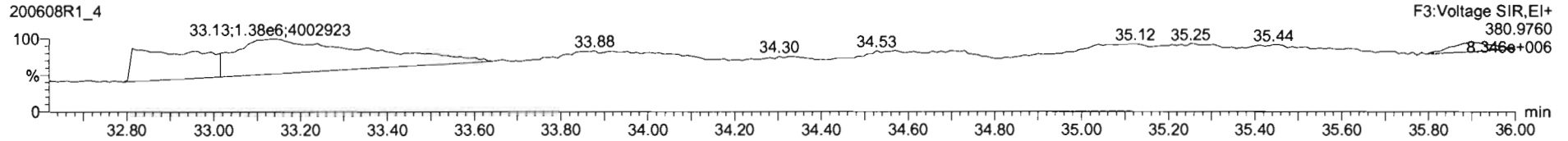
P. K1



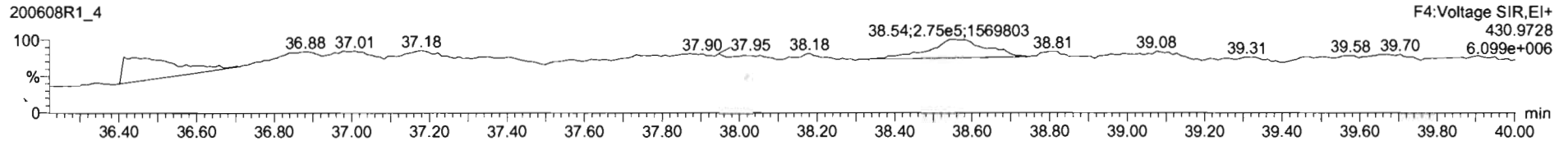
PK2



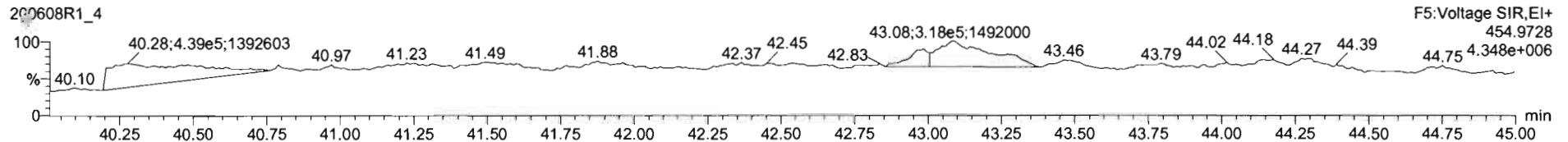
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-2.qld

Last Altered: Monday, June 08, 2020 1:15:22 PM Pacific Daylight Time
Printed: Tuesday, June 09, 2020 4:49:29 PM Pacific Daylight Time

dy 06-09-2020

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

C706/12/2020

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-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	2.09e4	0.75	NO	0.888	10.000	26.455	26.45	1.001	1.001	18.833		0.291	18.8
2	2 1,2,3,7,8-PeCDD	1.07e5	0.58	NO	0.908	10.000	31.427	31.42	1.001	1.000	99.835		0.402	99.8
3	3 1,2,3,4,7,8-HxCDD	1.05e5	1.25	NO	1.03	10.000	34.793	34.79	1.000	1.000	100.98		0.461	101
4	4 1,2,3,6,7,8-HxCDD	1.26e5	1.25	NO	0.892	10.000	34.889	34.90	1.000	1.000	103.17		0.442	103
5	5 1,2,3,7,8,9-HxCDD	1.35e5	1.25	NO	0.887	10.000	35.177	35.18	1.000	1.000	102.66		0.429	103
6	6 1,2,3,4,6,7,8-HpCDD	1.07e5	1.02	NO	0.864	10.000	38.725	38.71	1.000	1.000	107.19		0.533	107
7	7 OCDD	1.91e5	0.92	NO	0.914	10.000	41.685	41.69	1.000	1.000	196.89		0.725	197
8	8 2,3,7,8-TCDF	2.38e4	0.77	NO	0.751	10.000	25.551	25.56	1.001	1.001	19.554		0.185	19.6
9	9 1,2,3,7,8-PeCDF	1.54e5	1.63	NO	0.893	10.000	30.144	30.14	1.001	1.000	101.65		0.464	102
10	10 2,3,4,7,8-PeCDF	1.52e5	1.59	NO	0.935	10.000	31.131	31.11	1.001	1.000	101.77		0.465	102
11	11 1,2,3,4,7,8-HxCDF	1.25e5	1.19	NO	0.884	10.000	33.910	33.92	1.000	1.000	104.89		0.602	105
12	12 1,2,3,6,7,8-HxCDF	1.62e5	1.13	NO	0.889	10.000	34.048	34.05	1.000	1.000	107.17		0.510	107
13	13 2,3,4,6,7,8-HxCDF	1.66e5	1.25	NO	0.934	10.000	34.647	34.62	1.001	1.000	102.35		0.473	102
14	14 1,2,3,7,8,9-HxCDF	1.14e5	1.21	NO	0.871	10.000	35.528	35.55	1.000	1.001	106.32		0.797	106
15	15 1,2,3,4,6,7,8-HpCDF	1.29e5	0.99	NO	0.873	10.000	37.323	37.31	1.001	1.001	106.60		0.845	107
16	16 1,2,3,4,7,8,9-HpCDF	8.83e4	1.01	NO	1.01	10.000	39.256	39.27	1.000	1.000	107.94		1.07	108
17	17 OCDF	2.05e5	0.90	NO	0.806	10.000	41.876	41.89	1.000	1.000	210.44		0.775	210
18	18 13C-2,3,7,8-TCDD	2.50e5	0.78	NO	1.16	10.000	26.445	26.42	1.026	1.026	63.431	31.7	0.272	
19	19 13C-1,2,3,7,8-PeCDD	2.35e5	0.62	NO	0.849	10.000	31.619	31.41	1.227	1.219	81.175	40.6	0.274	
20	20 13C-1,2,3,4,7,8-HxCDD	2.02e5	1.29	NO	0.779	10.000	34.798	34.78	1.014	1.014	88.199	44.1	0.469	
21	21 13C-1,2,3,6,7,8-HxCDD	2.73e5	1.27	NO	1.02	10.000	34.911	34.89	1.017	1.017	91.575	45.8	0.360	
22	22 13C-1,2,3,7,8,9-HxCDD	2.97e5	1.29	NO	0.903	10.000	35.182	35.17	1.025	1.025	112.27	56.1	0.405	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.32e5	1.05	NO	0.689	10.000	38.703	38.71	1.128	1.128	114.68	57.3	0.442	
24	24 13C-OCDD	4.24e5	0.91	NO	0.652	10.000	41.723	41.69	1.216	1.215	221.59	55.4	0.571	
25	25 13C-2,3,7,8-TCDF	3.25e5	0.75	NO	1.06	10.000	25.489	25.53	0.989	0.991	57.432	28.7	0.438	
26	26 13C-1,2,3,7,8-PeCDF	3.39e5	1.65	NO	0.838	10.000	30.006	30.12	1.165	1.169	75.677	37.8	0.493	
27	27 13C-2,3,4,7,8-PeCDF	3.19e5	1.64	NO	0.817	10.000	30.957	31.10	1.202	1.207	73.197	36.6	0.506	
28	28 13C-1,2,3,4,7,8-HxCDF	2.70e5	0.50	NO	1.01	10.000	33.930	33.91	0.989	0.988	91.140	45.6	0.625	
29	29 13C-1,2,3,6,7,8-HxCDF	3.41e5	0.50	NO	1.17	10.000	34.054	34.04	0.992	0.992	99.460	49.7	0.539	
30	30 13C-2,3,4,6,7,8-HxCDF	3.48e5	0.48	NO	1.02	10.000	34.627	34.61	1.009	1.009	116.12	58.1	0.616	

Dataset: U:\WG12.PRO\Results\200608R1\200608R1-2.qld

Last Altered: Monday, June 08, 2020 1:15:22 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 4:49:29 PM Pacific Daylight Time

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	2.45e5	0.48	NO	0.860	10.000	35.526	35.53	1.035	1.035	97.240	48.6	0.732	
32	13C-1,2,3,4,6,7,8-HpCDF	2.78e5	0.42	NO	0.774	10.000	37.272	37.29	1.086	1.087	122.20	61.1	0.606	
33	13C-1,2,3,4,7,8,9-HpCDF	1.62e5	0.42	NO	0.521	10.000	39.300	39.26	1.145	1.144	105.68	52.8	0.901	
34	13C-OCDF	4.82e5	0.83	NO	0.746	10.000	41.894	41.88	1.221	1.220	220.26	55.1	0.455	
35	37Cl-2,3,7,8-TCDD	9.81e4			1.04	10.000	26.476	26.45	1.028	1.027	27.719	34.6	0.0558	
36	13C-1,2,3,4-TCDD	6.83e5	0.80	NO	1.00	10.000	25.890	25.76	1.000	1.000	200.00	100	0.315	
37	13C-1,2,3,4-TCDF	1.07e6	0.79	NO	1.00	10.000	24.360	24.09	1.000	1.000	200.00	100	0.464	
38	13C-1,2,3,4,6,9-HxCDF	5.87e5	0.50	NO	1.00	10.000	34.420	34.31	1.000	1.000	200.00	100	0.629	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-2.qld

Last Altered: Monday, June 08, 2020 1:15:22 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 4:49:29 PM Pacific Daylight Time

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

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

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-BS1 OPR 10, Description: OPR

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	26.15	3.135e3	6.762e3	2.075e2	3.656e2	0.57	YES	0.000e0	0.00000	0.42900	0.291
2	2,3,7,8-TCDD	26.45	1.432e5	1.713e5	9.002e3	1.194e4	0.75	NO	2.094e4	18.833	18.833	0.291

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8-PeCDD	31.42	6.797e5	1.142e6	3.912e4	6.749e4	0.58	NO	1.066e5	99.835	99.835	0.402

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,7,8-HxCDD	34.79	9.933e5	7.968e5	5.837e4	4.684e4	1.25	NO	1.052e5	100.98	100.98	0.461
2	1,2,3,6,7,8-HxCDD	34.90	1.081e6	8.568e5	6.997e4	5.580e4	1.25	NO	1.258e5	103.17	103.17	0.442
3	1,2,3,7,8,9-HxCDD	35.18	1.117e6	9.322e5	7.509e4	6.032e4	1.25	NO	1.354e5	102.66	102.66	0.429

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	7.841e3	6.141e3	5.354e2	2.944e2	1.82	YES	0.000e0	0.00000	0.59900	0.533
2	1,2,3,4,6,7,8-HpCDD	38.71	6.901e5	6.829e5	5.424e4	5.315e4	1.02	NO	1.074e5	107.19	107.19	0.533
3	Total Hepta-Dioxins	38.93	1.436e4	7.742e3	9.359e2	3.866e2	2.42	YES	0.000e0	0.00000	0.78700	0.533

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	2,3,7,8-TCDF	25.56	1.611e5	1.777e5	1.037e4	1.347e4	0.77	NO	2.384e4	19.554	19.554	0.185

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-2.qld

Last Altered: Monday, June 08, 2020 1:15:22 PM Pacific Daylight Time

Printed: Tuesday, June 09, 2020 4:49:29 PM Pacific Daylight Time

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-BS1 OPR 10, Description: OPR

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	30.14	1.622e6	1.014e6	9.523e4	5.834e4	1.63	NO	1.536e5	101.65	101.65	0.464
2	Total Penta-Furans	30.40	2.330e4	9.396e3	2.082e3	4.742e2	4.39	YES	0.000e0	0.00000	0.82400	0.475
3	2,3,4,7,8-PeCDF	31.11	1.706e6	1.057e6	9.325e4	5.852e4	1.59	NO	1.518e5	101.77	101.77	0.465
4	Total Penta-Furans	32.05	8.587e3	4.919e3	4.758e2	2.299e2	2.07	YES	0.000e0	0.00000	0.39900	0.475

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	33.92	1.218e6	9.967e5	6.804e4	5.697e4	1.19	NO	1.250e5	104.89	104.89	0.602
2	1,2,3,6,7,8-HxCDF	34.05	1.446e6	1.171e6	8.625e4	7.607e4	1.13	NO	1.623e5	107.17	107.17	0.510
3	2,3,4,6,7,8-HxCDF	34.62	1.470e6	1.230e6	9.233e4	7.415e4	1.25	NO	1.665e5	102.35	102.35	0.473
4	1,2,3,7,8,9-HxCDF	35.55	8.582e5	7.329e5	6.209e4	5.146e4	1.21	NO	1.135e5	106.32	106.32	0.797

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	37.31	8.062e5	8.021e5	6.421e4	6.509e4	0.99	NO	1.293e5	106.60	106.60	0.845
2	1,2,3,4,7,8,9-HpCDF	39.27	6.251e5	6.093e5	4.447e4	4.386e4	1.01	NO	8.833e4	107.94	107.94	1.07

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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

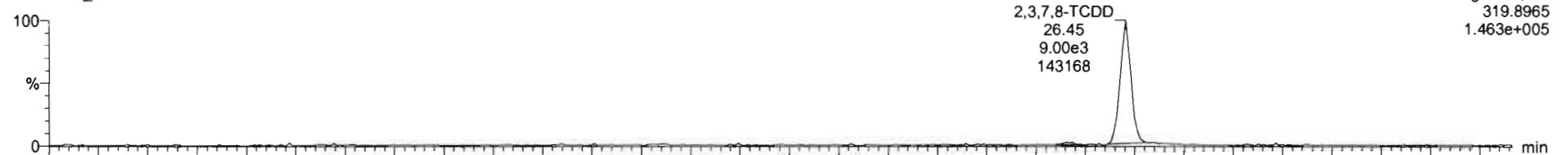
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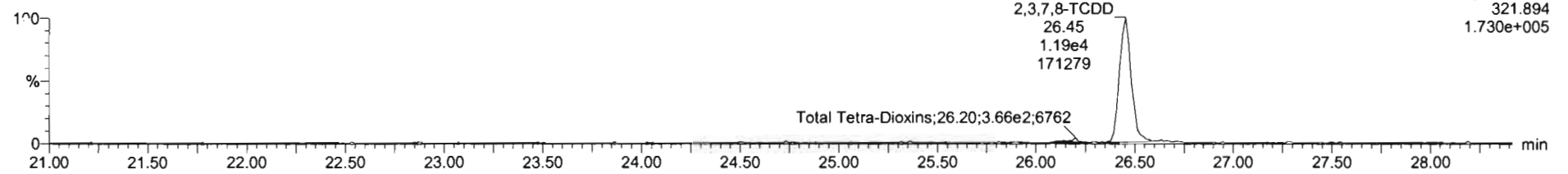
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2,3,7,8-TCDD

200608R1_2

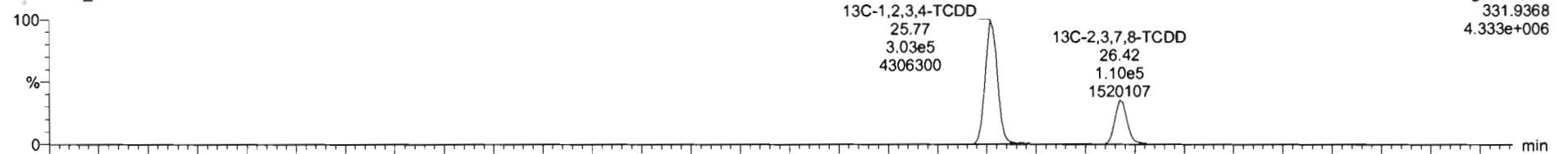


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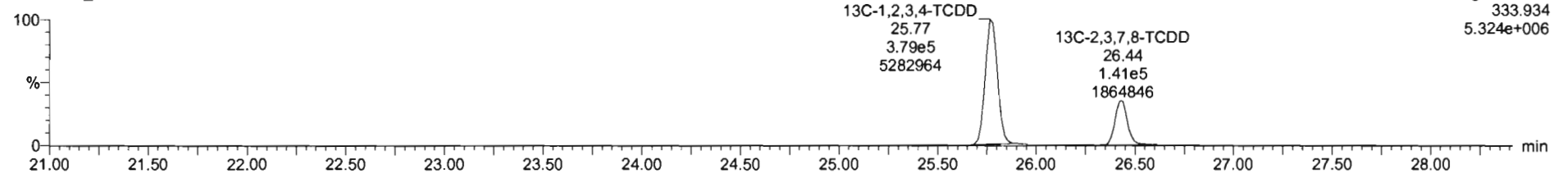


13C-2,3,7,8-TCDD

200608R1_2



200608R1_2



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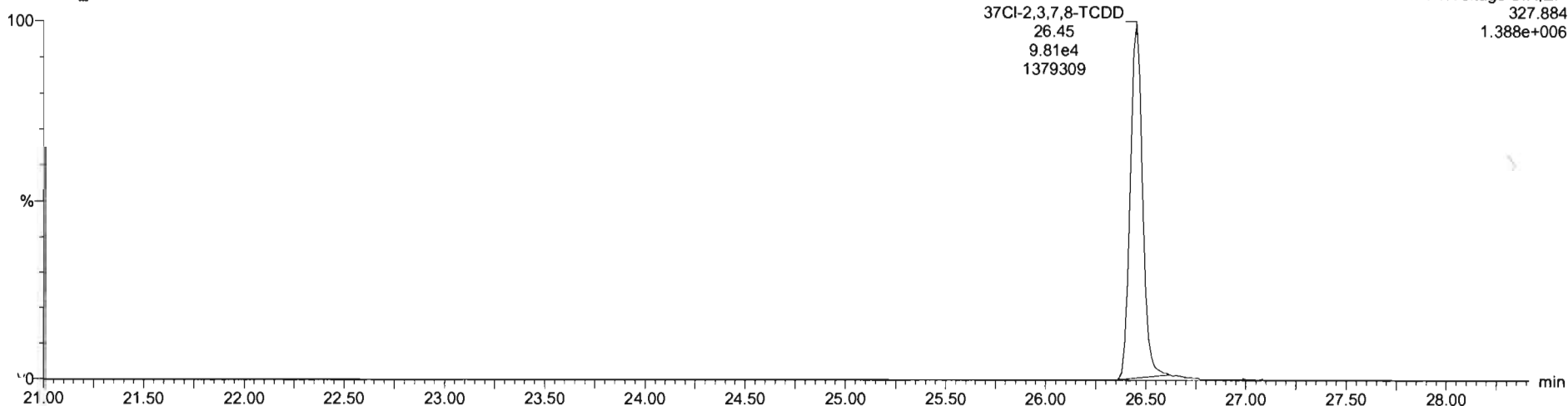
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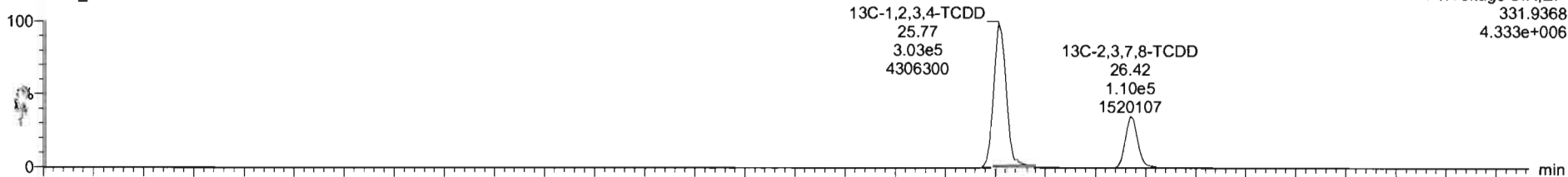
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200608R1_2

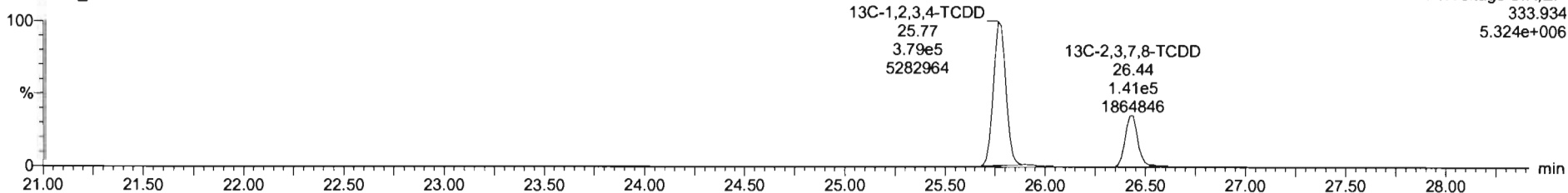


13C-1,2,3,4-TCDD

200608R1_2



200608R1_2



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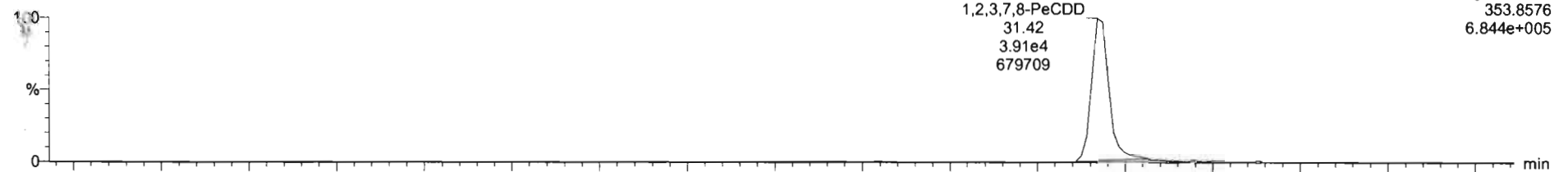
Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

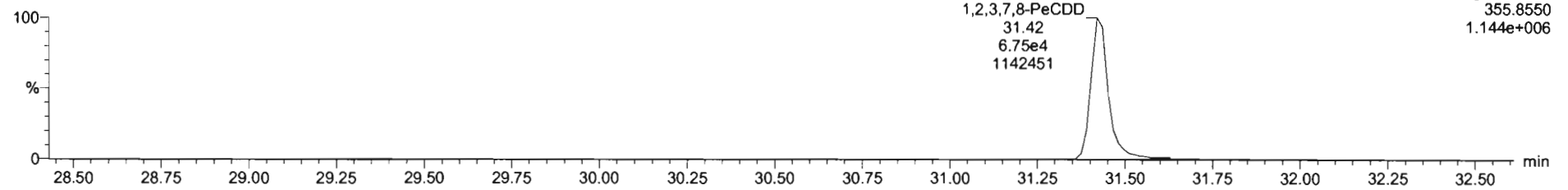
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1,2,3,7,8-PeCDD

200608R1_2

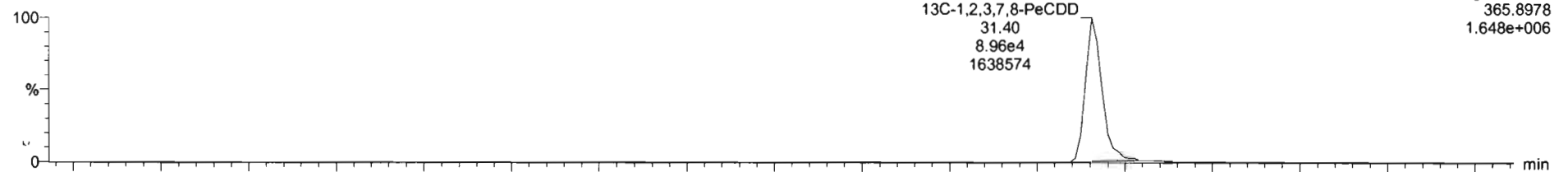


200608R1_2

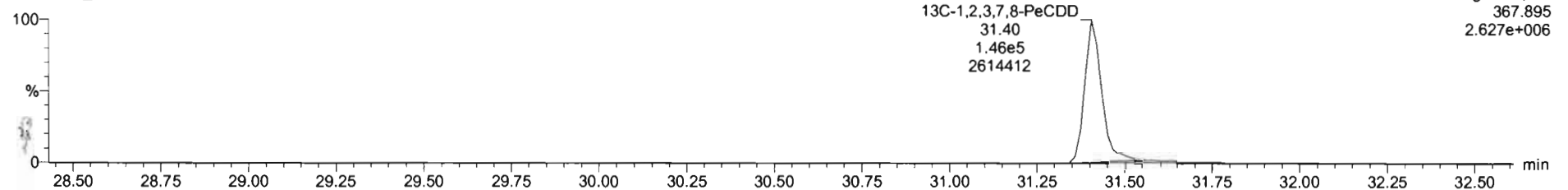


13C-1,2,3,7,8-PeCDD

200608R1_2



200608R1_2



Dataset: Untitled

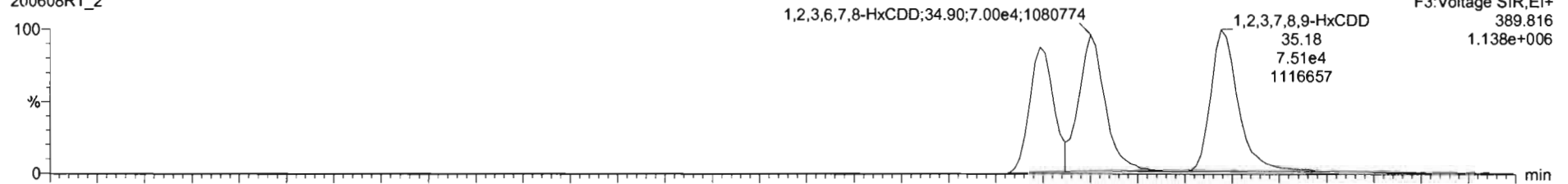
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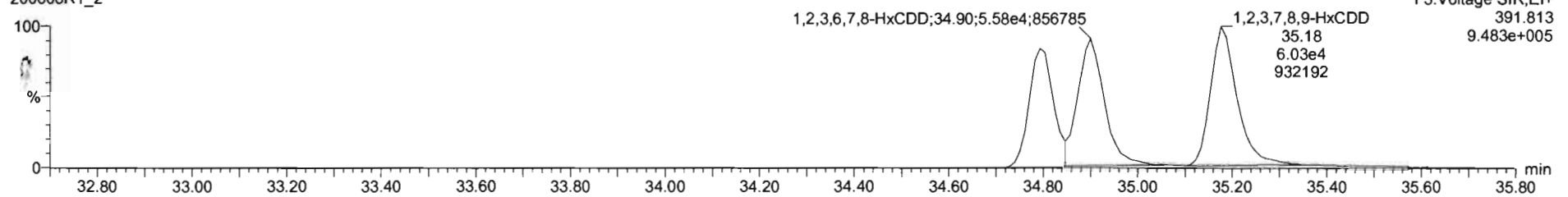
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1,2,3,4,7,8-HxCDD

200608R1_2

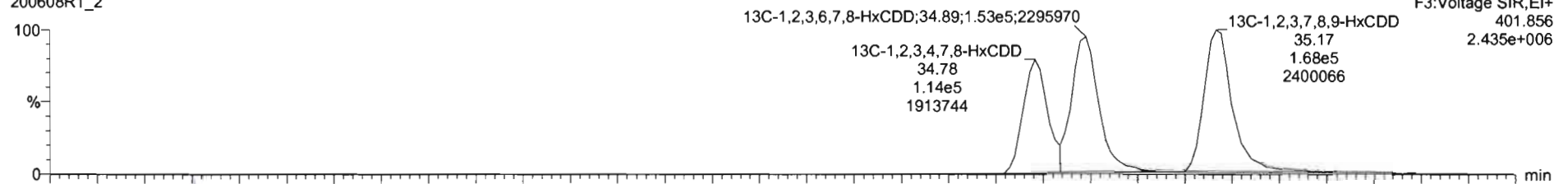


200608R1_2

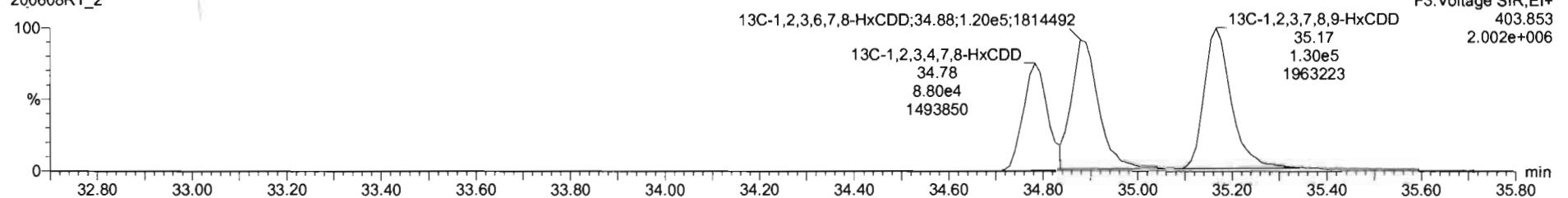


13C-1,2,3,4,7,8-HxCDD

200608R1_2



200608R1_2



Dataset: Untitled

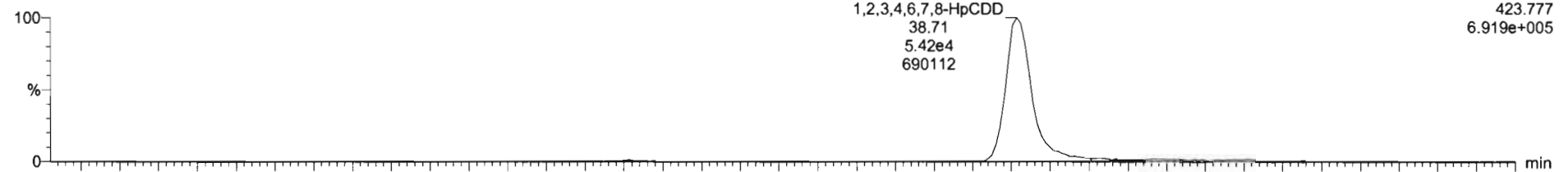
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

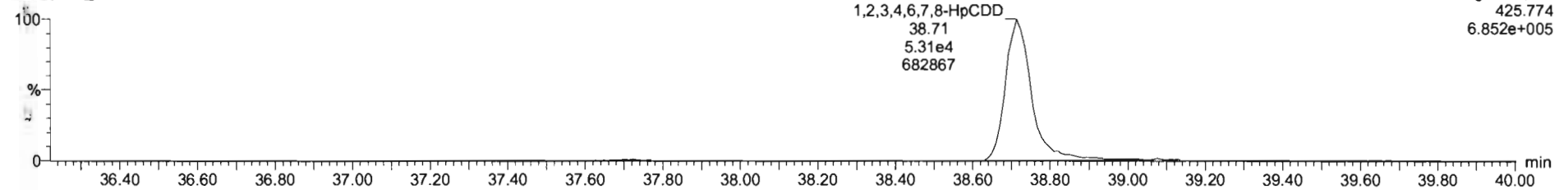
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1,2,3,4,6,7,8-HpCDD

200608R1_2

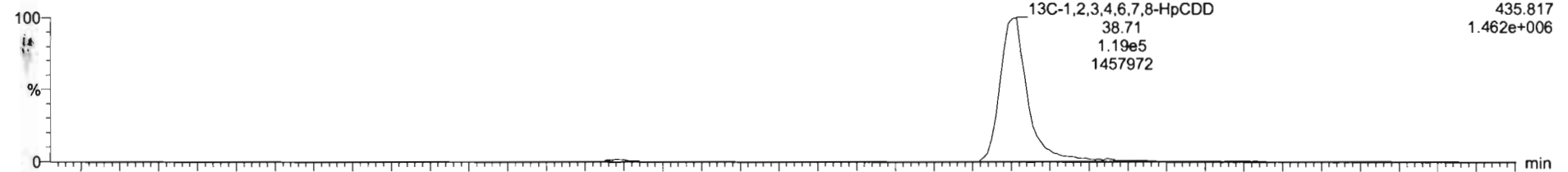


200608R1_2

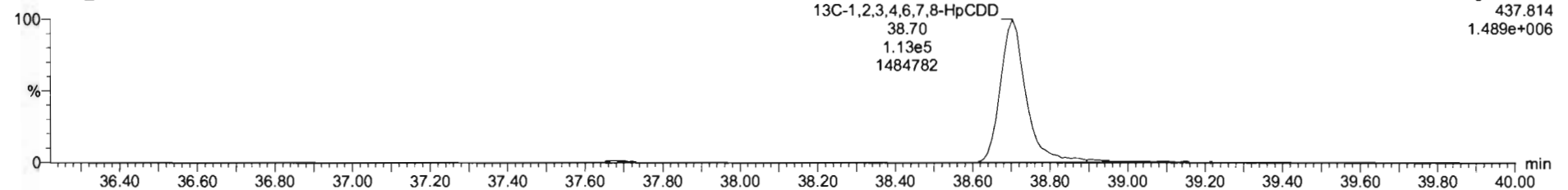


13C-1,2,3,4,6,7,8-HpCDD

200608R1_2



200608R1_2

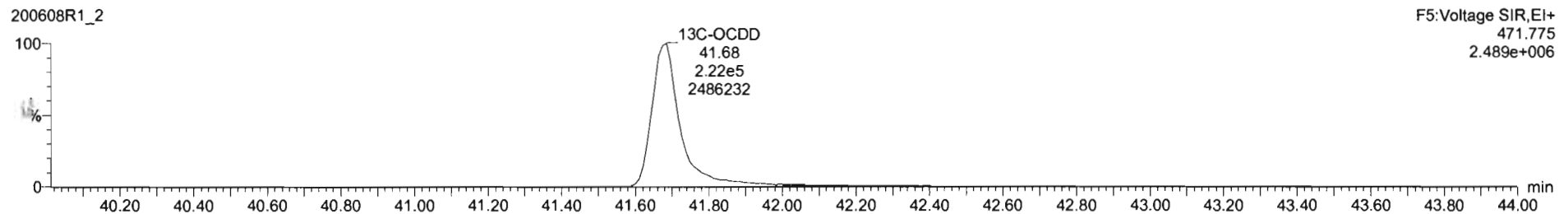
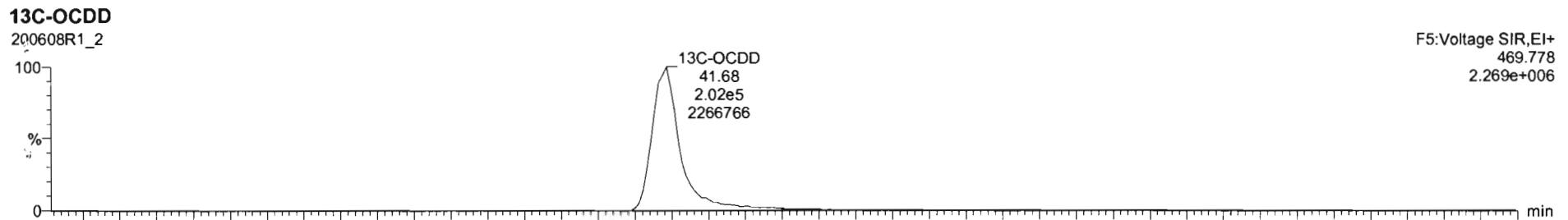
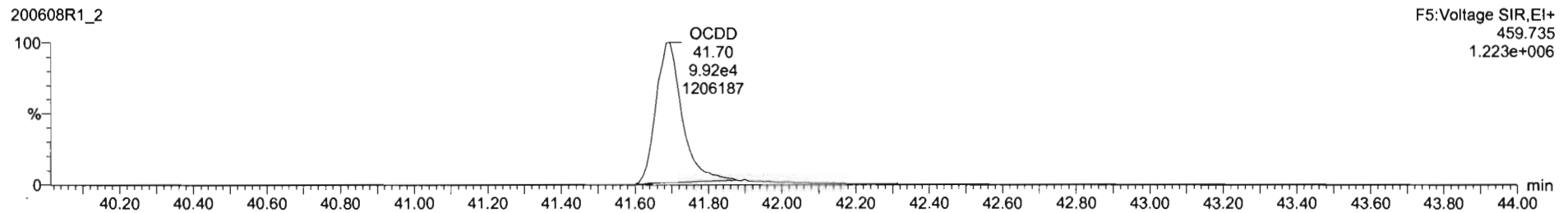
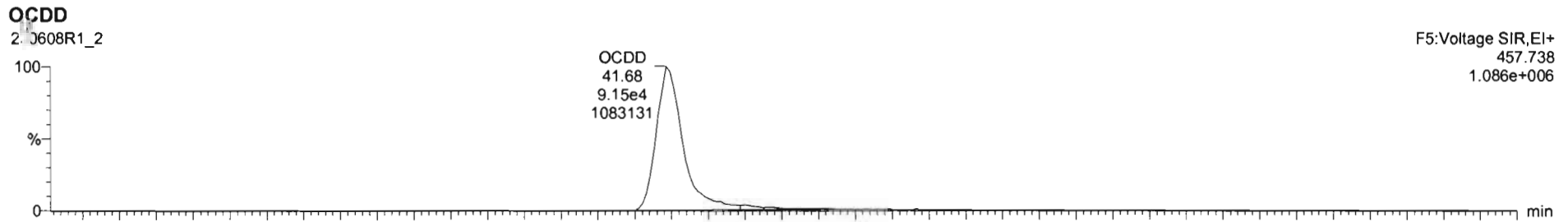


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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-BS1 OPR 10, Description: OPR



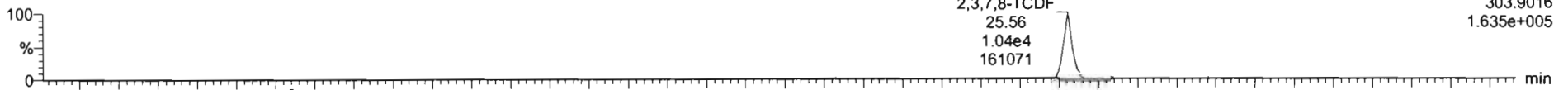
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

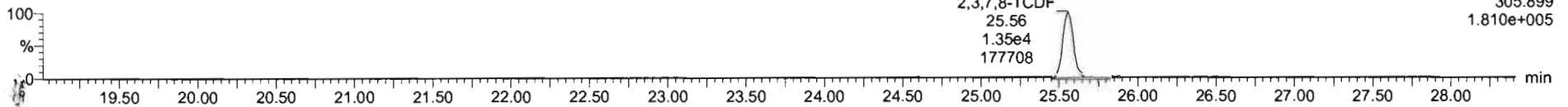
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2,3,7,8-TCDF

200608R1_2

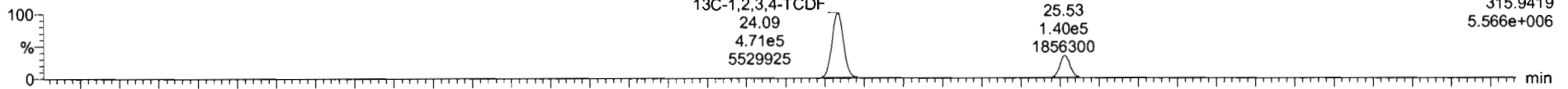


200608R1_2

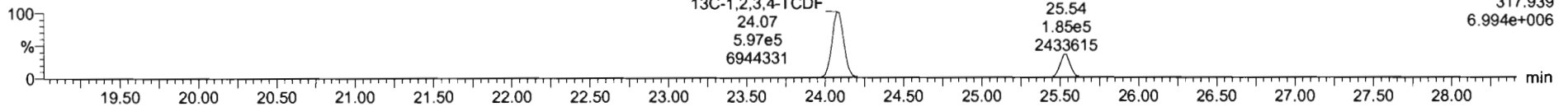


13C-2,3,7,8-TCDF

200608R1_2

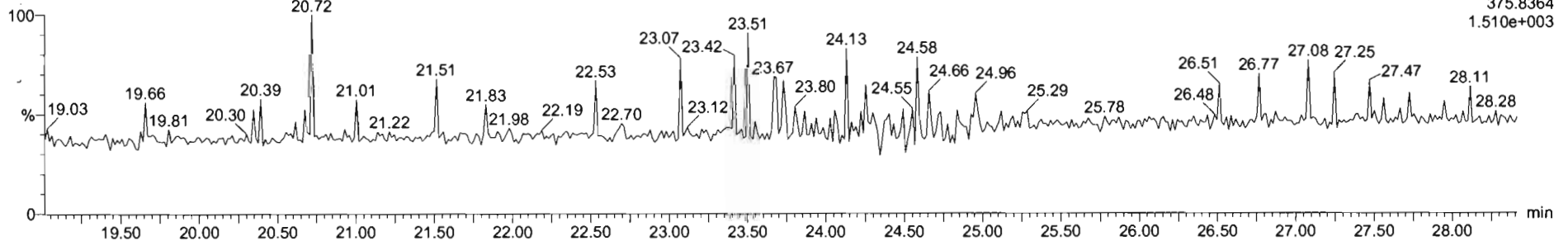


200608R1_2



DPE1

200608R1_2



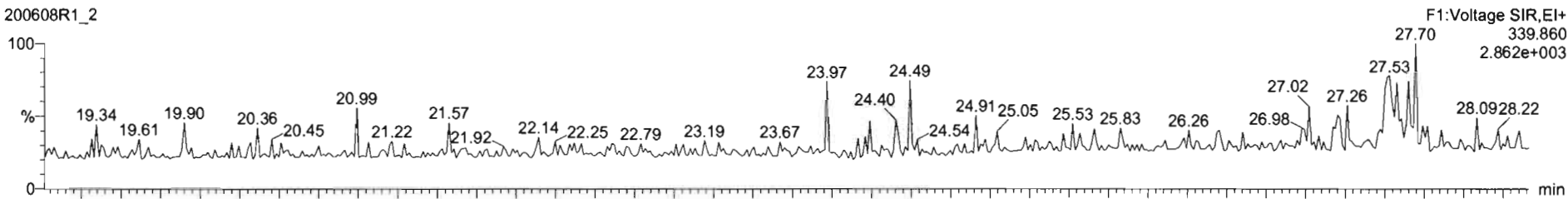
Dataset: Untitled

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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

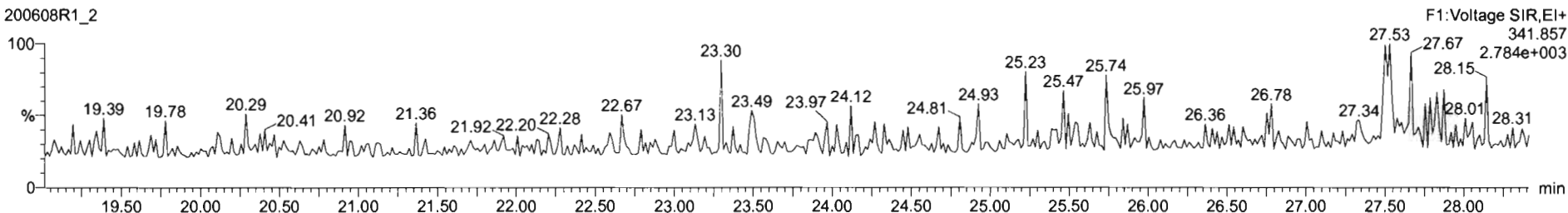
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200608R1_2

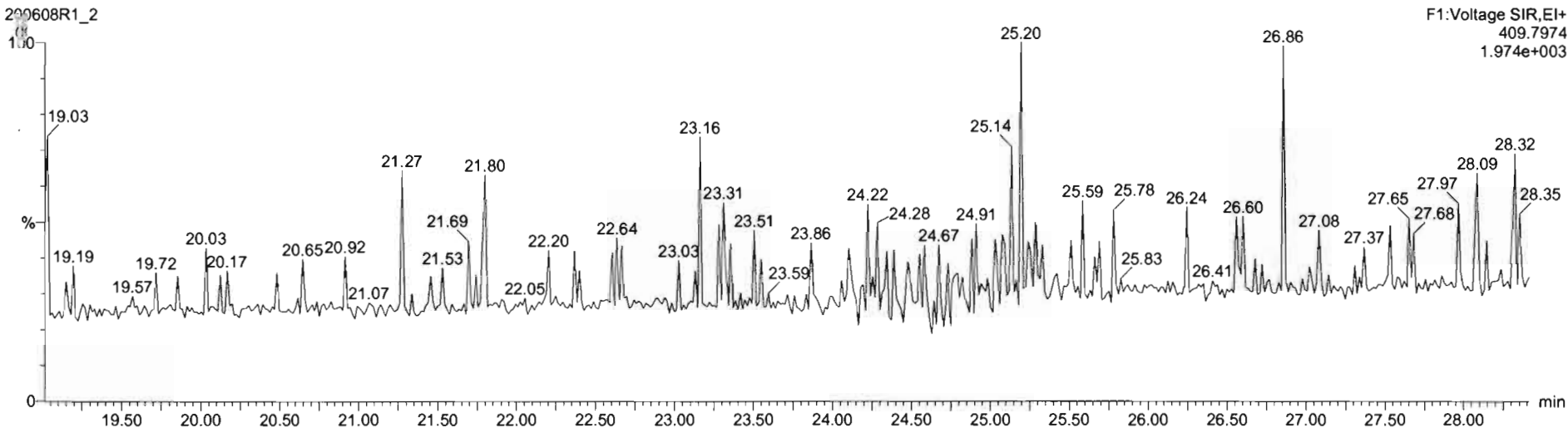


200608R1_2



DPE6

200608R1_2



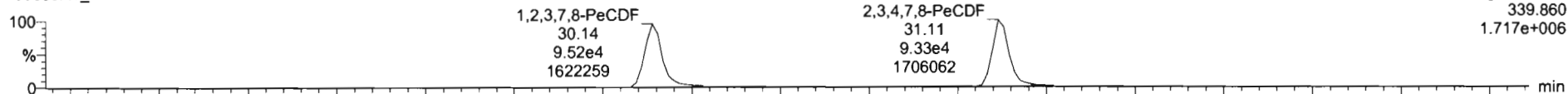
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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

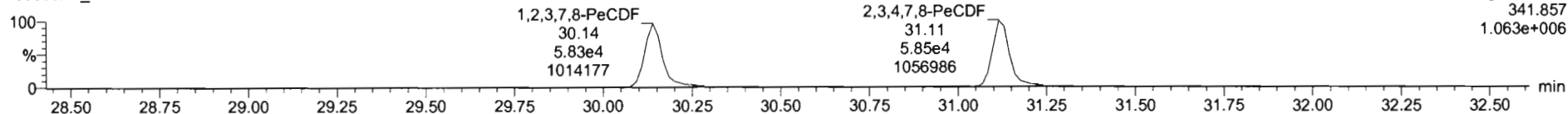
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1,2,3,7,8-PeCDF

200608R1_2

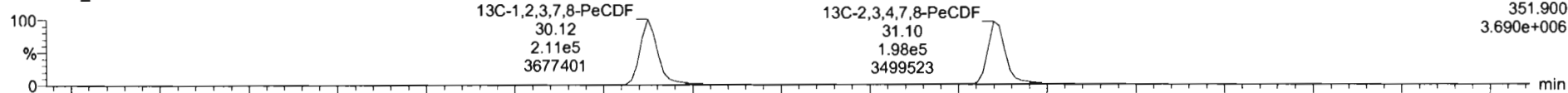


200608R1_2

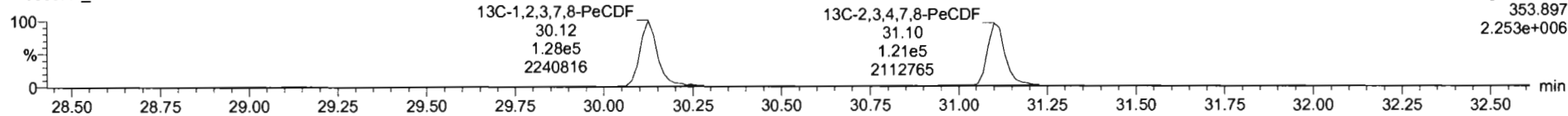


13C-1,2,3,7,8-PeCDF

200608R1_2

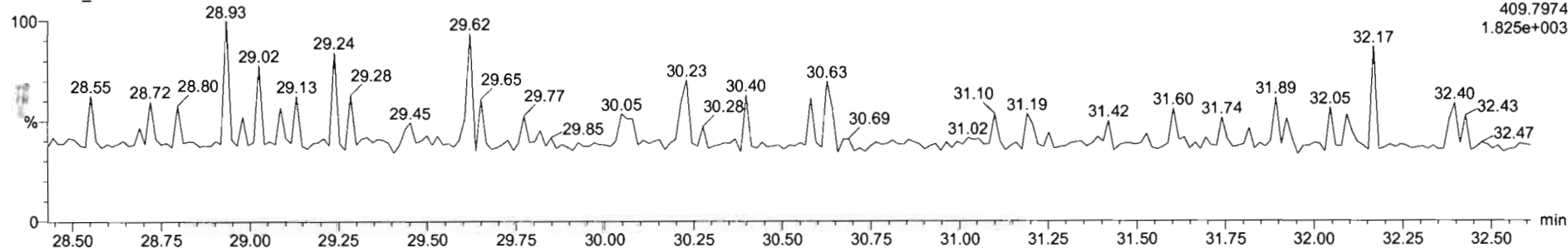


200608R1_2



DPE2

200608R1_2

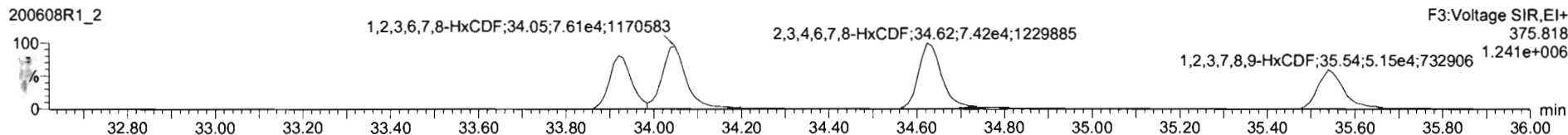
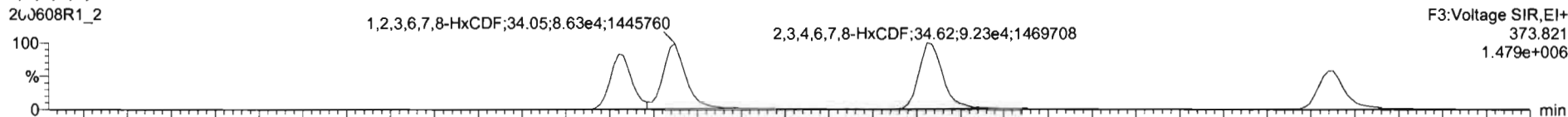


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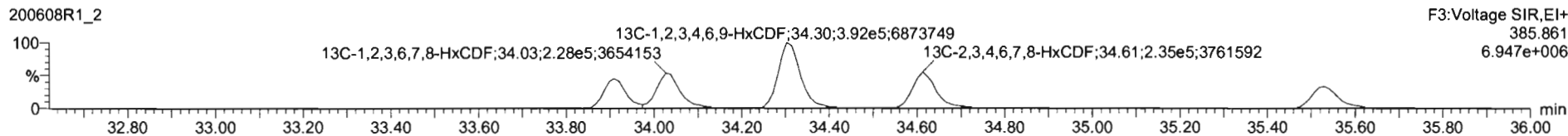
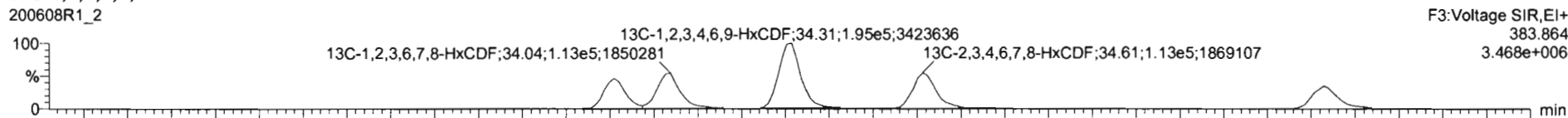
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-BS1 OPR 10, Description: OPR

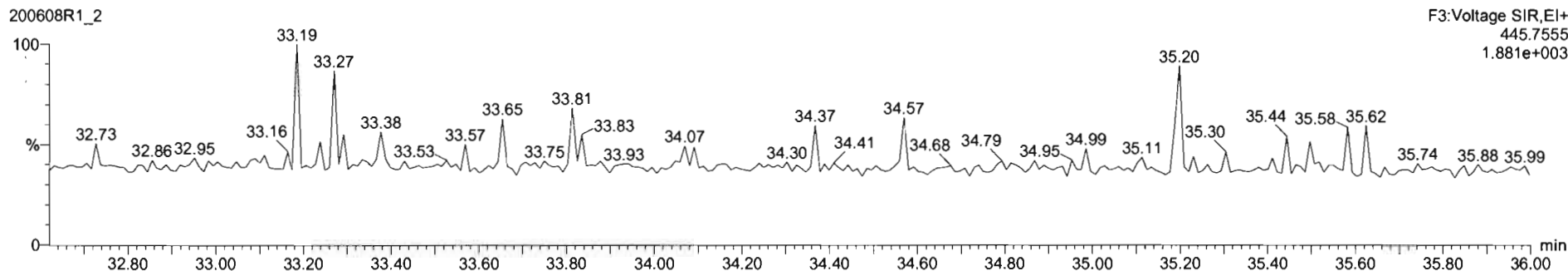
1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: Untitled

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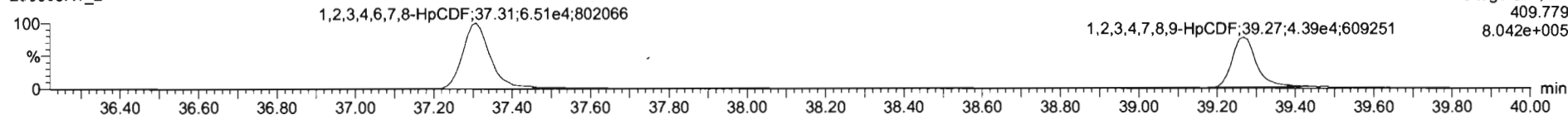
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1,2,3,4,6,7,8-HpCDF

200608R1_2

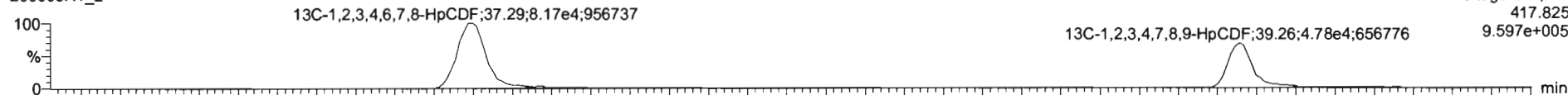


200608R1_2

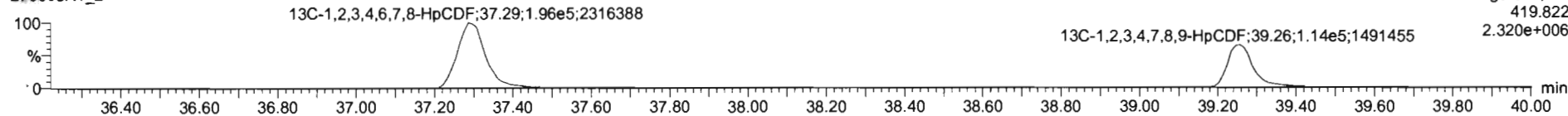


13C-1,2,3,4,6,7,8-HpCDF

200608R1_2

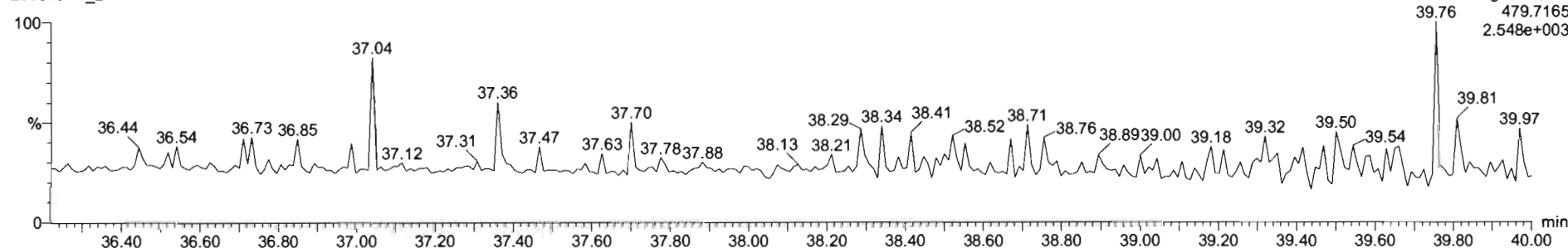


200608R1_2



DPE4

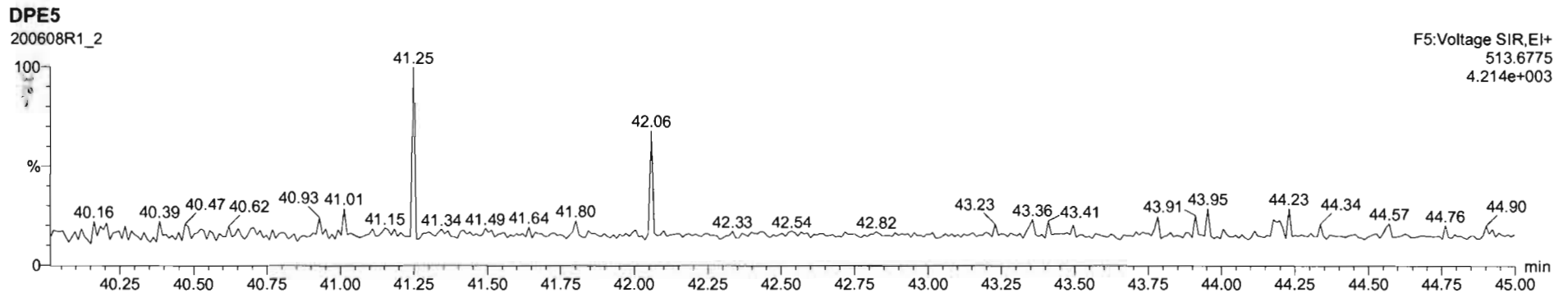
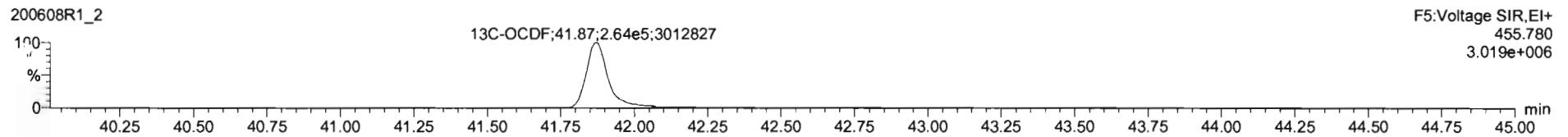
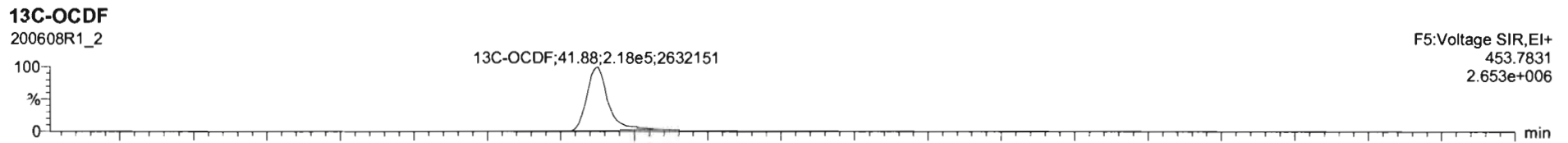
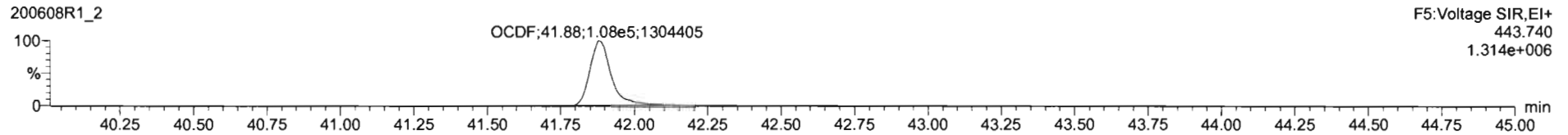
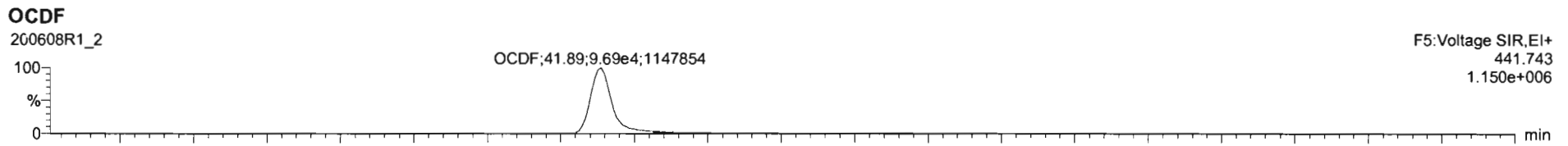
200608R1_2



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-BS1 OPR 10, Description: OPR



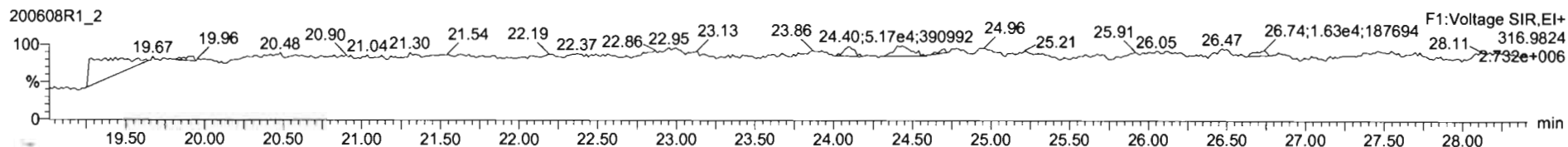
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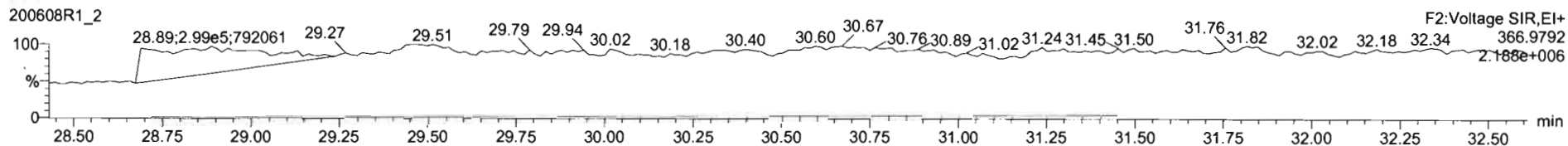
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_2, Date: 08-Jun-2020, Time: 12:28:37, ID: B0E0150-BS1 OPR 10, Description: OPR

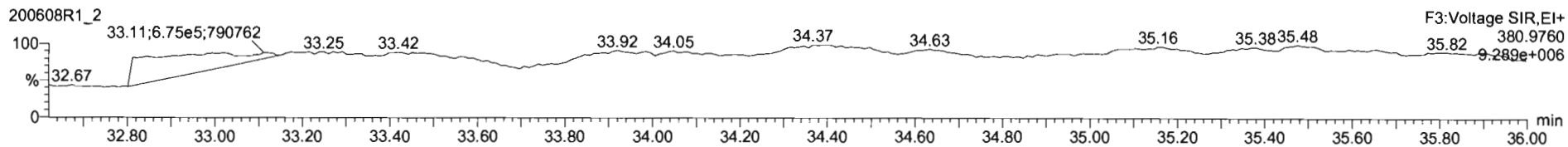
PFK1



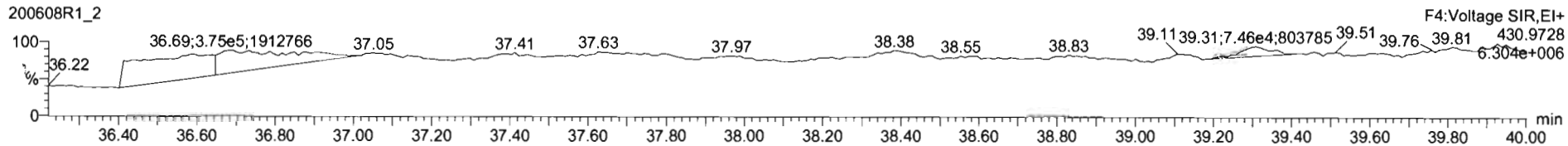
PFK2



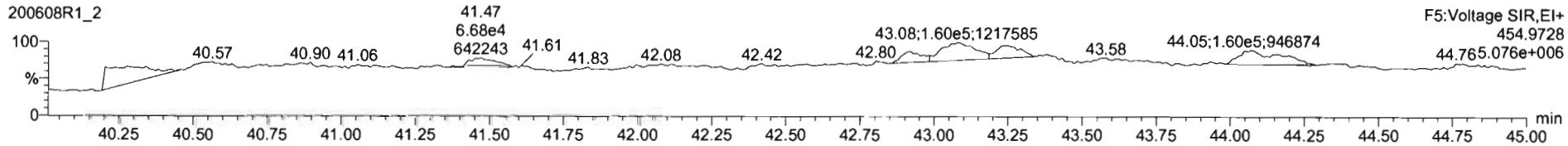
PFK3



PFK4



P.K5



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-7b.qld

Last Altered: Wednesday, June 24, 2020 14:21:02 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:22 Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

#	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	2.07e3	0.73	NO	0.888	10.138	26.471	26.47	1.001	1.001	0.79542		0.163	0.795
2	2 1,2,3,7,8-PeCDD	1.43e3	0.68	NO	0.908	10.138	31.442	31.45	1.001	1.001	0.75028		0.176	0.750
3	3 1,2,3,4,7,8-HxCDD	9.33e2	1.28	NO	1.03	10.138	34.804	34.81	1.000	1.001	0.66131		0.370	0.661
4	4 1,2,3,6,7,8-HxCDD	6.32e3	1.21	NO	0.892	10.138	34.900	34.91	1.000	1.000	3.8638		0.361	3.86
5	5 1,2,3,7,8,9-HxCDD	2.23e3	1.23	NO	0.887	10.138	35.188	35.20	1.000	1.001	1.6199		0.445	1.62
6	6 1,2,3,4,6,7,8-HpCDD	9.37e4	1.06	NO	0.864	10.138	38.726	38.74	1.000	1.001	99.079		0.756	99.1
7	7 OCDD	9.58e5	0.89	NO	0.914	10.138	41.696	41.71	1.000	1.000	1265.5		1.59	1270
8	8 2,3,7,8-TCDF	1.99e5	0.74	NO	0.751	10.138	25.567	25.57	1.001	1.001	64.376	ok	0.344	64.4
9	9 1,2,3,7,8-PeCDF	2.06e5	1.59	NO	0.893	10.138	30.160	30.15	1.001	1.000	66.628		0.371	66.6
10	10 2,3,4,7,8-PeCDF	7.37e4	1.62	NO	0.935	10.138	31.150	31.15	1.001	1.000	24.228		0.380	24.2
11	11 1,2,3,4,7,8-HxCDF	1.78e5	1.22	NO	0.884	10.138	33.921	33.94	1.000	1.001	103.39		0.394	103
12	12 1,2,3,6,7,8-HxCDF	6.08e4	1.26	NO	0.889	10.138	34.058	34.06	1.000	1.000	28.813		0.332	28.8
13	13 2,3,4,6,7,8-HxCDF	1.34e4	1.24	NO	0.934	10.138	34.669	34.65	1.001	1.000	7.2053		0.419	7.21
14	14 1,2,3,7,8,9-HxCDF	1.28e4	1.21	NO	0.871	10.138	35.550	35.60	1.000	1.001	9.4098		0.589	9.41
15	15 1,2,3,4,6,7,8-HpCDF	6.25e4	1.01	NO	0.873	10.138	37.345	37.32	1.001	1.000	54.107		0.669	54.1
16	16 1,2,3,4,7,8,9-HpCDF	1.74e4	0.98	NO	1.01	10.138	39.267	39.29	1.000	1.001	19.481		0.721	19.5
17	17 OCDF	1.04e5	0.86	NO	0.806	10.138	41.887	41.90	1.000	1.000	131.55		0.634	132
18	18 13C-2,3,7,8-TCDD	5.78e5	0.77	NO	1.16	10.138	26.461	26.44	1.026	1.026	171.51	86.9	0.307	
19	19 13C-1,2,3,7,8-PeCDD	4.13e5	0.63	NO	0.849	10.138	31.637	31.42	1.227	1.219	166.94	84.6	0.435	
20	20 13C-1,2,3,4,7,8-HxCDD	2.69e5	1.27	NO	0.779	10.138	34.809	34.79	1.014	1.014	143.16	72.6	0.611	
21	21 13C-1,2,3,6,7,8-HxCDD	3.62e5	1.23	NO	1.02	10.138	34.922	34.90	1.017	1.017	147.31	74.7	0.468	
22	22 13C-1,2,3,7,8,9-HxCDD	3.06e5	1.17	NO	0.903	10.138	35.193	35.18	1.025	1.025	140.26	71.1	0.528	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.16e5	1.04	NO	0.689	10.138	38.715	38.71	1.128	1.128	129.67	65.7	0.724	
24	24 13C-OCDD	3.27e5	0.89	NO	0.652	10.138	41.736	41.70	1.216	1.215	207.61	52.6	0.670	
25	25 13C-2,3,7,8-TCDF	8.14e5	0.78	NO	1.06	10.138	25.504	25.54	0.989	0.991	174.06	88.2	0.509	
26	26 13C-1,2,3,7,8-PeCDF	6.84e5	1.59	NO	0.838	10.138	30.023	30.14	1.165	1.169	184.73	93.6	0.911	
27	27 13C-2,3,4,7,8-PeCDF	6.42e5	1.65	NO	0.817	10.138	30.975	31.13	1.202	1.208	177.90	90.2	0.935	
28	28 13C-1,2,3,4,7,8-HxCDF	3.85e5	0.50	NO	1.01	10.138	33.941	33.92	0.989	0.988	158.12	80.2	0.686	
29	29 13C-1,2,3,6,7,8-HxCDF	4.68e5	0.51	NO	1.17	10.138	34.064	34.05	0.992	0.992	166.05	84.2	0.592	
30	30 13C-2,3,4,6,7,8-HxCDF	3.93e5	0.53	NO	1.02	10.138	34.637	34.63	1.009	1.009	159.08	80.6	0.677	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-7b.qld

Last Altered: Wednesday, June 24, 2020 14:21:02 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:22 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.09e5	0.51	NO	0.860	10.138	35.537	35.55	1.035	1.036	148.81	75.4	0.804	
32	13C-1,2,3,4,6,7,8-HpCDF	2.61e5	0.42	NO	0.774	10.138	37.284	37.31	1.086	1.087	139.40	70.7	0.739	
33	13C-1,2,3,4,7,8,9-HpCDF	1.74e5	0.41	NO	0.521	10.138	39.312	39.27	1.145	1.144	138.45	70.2	1.10	
34	13C-OCDF	3.87e5	0.84	NO	0.746	10.138	41.907	41.89	1.221	1.220	214.68	54.4	0.764	
35	37Cl-2,3,7,8-TCDD	2.41e5			1.04	10.138	26.492	26.47	1.028	1.027	79.676	101	0.147	
36	13C-1,2,3,4-TCDD	5.75e5	0.78	NO	1.00	10.138	25.890	25.78	1.000	1.000	197.27	100	0.355	
37	13C-1,2,3,4-TCDF	8.71e5	0.80	NO	1.00	10.138	24.360	24.09	1.000	1.000	197.27	100	0.539	
38	13C-1,2,3,4,6,9-HxCDF	4.76e5	0.51	NO	1.00	10.138	34.420	34.33	1.000	1.000	197.27	100	0.691	
39	Total Tetra-Dioxins				0.888	10.138	24.620		0.000		8.7141		0.163	9.52
40	Total Penta-Dioxins				0.908	10.138	29.960		0.000		8.0639		0.176	10.4
41	Total Hexa-Dioxins				0.892	10.138	33.635		0.000		48.457		0.407	48.5
42	Total Hepta-Dioxins				0.864	10.138	37.640		0.000		254.83		0.756	255
43	Total Tetra-Furans				0.751	10.138	23.610		0.000		186.78		0.344	195
44	1st Func. Penta-Furans				0.893	10.138	27.580		0.000		18.308		0.0469	18.3
45	Total Penta-Furans				0.893	10.138	29.275		0.000		183.76		0.384	184
46	Total Hexa-Furans				0.934	10.138	33.555		0.000		212.05		0.403	212
47	Total Hepta-Furans				0.873	10.138	37.835		0.000		166.47		0.736	166

P 07/06/25/2020

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-7b.qld

Last Altered: Wednesday, June 24, 2020 14:21:02 Pacific Daylight Time
 Printed: Wednesday, June 24, 2020 14:35:22 Pacific Daylight Time

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

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.41	4.766e4	6.250e4	4.760e3	5.954e3	0.80	NO	1.071e4	4.1164	4.1164	0.163
2	Total Tetra-Dioxins	22.85	1.468e4	1.741e4	1.346e3	1.706e3	0.79	NO	3.052e3	1.1725	1.1725	0.163
3	Total Tetra-Dioxins	23.35	7.720e3	7.042e3	6.132e2	6.069e2	1.01	YES	0.000e0	0.00000	0.41269	0.163
4	Total Tetra-Dioxins	24.27	4.924e3	5.394e3	3.389e2	3.997e2	0.85	NO	7.386e2	0.28376	0.28376	0.163
5	Total Tetra-Dioxins	24.55	5.786e3	8.571e3	5.514e2	7.903e2	0.70	NO	1.342e3	0.51547	0.51547	0.163
6	Total Tetra-Dioxins	24.76	9.889e3	8.475e3	6.408e2	7.493e2	0.86	NO	1.390e3	0.53403	0.53403	0.163
7	Total Tetra-Dioxins	24.96	5.243e3	4.005e3	2.986e2	2.978e2	1.00	YES	0.000e0	0.00000	0.20253	0.163
8	Total Tetra-Dioxins	25.24	3.161e3	5.634e3	2.470e2	3.376e2	0.73	NO	5.847e2	0.22462	0.22462	0.163
9	Total Tetra-Dioxins	25.39	4.906e3	4.293e3	2.593e2	2.829e2	0.92	YES	0.000e0	0.00000	0.19235	0.163
10	Total Tetra-Dioxins	25.78	3.178e3	4.239e3	2.411e2	3.022e2	0.80	NO	5.433e2	0.20872	0.20872	0.163
11	Total Tetra-Dioxins	26.21	9.351e3	1.138e4	7.298e2	9.315e2	0.78	NO	1.661e3	0.63822	0.63822	0.163
12	2,3,7,8-TCDD	26.47	1.361e4	1.829e4	8.717e2	1.199e3	0.73	NO	2.070e3	0.79542	0.79542	0.163
13	Total Tetra-Dioxins	26.81	4.733e3	6.061e3	2.738e2	3.116e2	0.88	NO	5.854e2	0.22490	0.22490	0.163

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	3.304e4	5.337e4	2.735e3	4.371e3	0.63	NO	7.106e3	3.7369	3.7369	0.176
2	Total Penta-Dioxins	29.70	1.039e4	1.628e4	4.869e2	9.335e2	0.52	YES	0.000e0	0.00000	0.66256	0.176
3	Total Penta-Dioxins	30.20	2.641e4	3.620e4	1.337e3	1.942e3	0.69	NO	3.279e3	1.7244	1.7244	0.176
4	Total Penta-Dioxins	30.35	1.099e4	1.710e4	6.381e2	1.040e3	0.61	NO	1.678e3	0.88246	0.88246	0.176
5	Total Penta-Dioxins	30.44	1.010e4	1.548e4	5.427e2	7.691e2	0.71	NO	1.312e3	0.68987	0.68987	0.176
6	Total Penta-Dioxins	30.67	1.235e4	1.858e4	1.196e3	1.582e3	0.76	YES	0.000e0	0.00000	1.3565	0.176
7	Total Penta-Dioxins	31.02	5.173e3	6.041e3	2.158e2	3.166e2	0.68	NO	5.325e2	0.28002	0.28002	0.176
8	1,2,3,7,8-PeCDD	31.45	1.210e4	1.332e4	5.794e2	8.473e2	0.68	NO	1.427e3	0.75028	0.75028	0.176
9	Total Penta-Dioxins	31.82	1.114e4	6.767e3	3.250e2	3.590e2	0.91	YES	0.000e0	0.00000	0.30774	0.176

Vista Analytical Laboratory

Dataset: U:\WG12.PRO\Results\200608R1\200608R1-7b.qld

Last Altered: Wednesday, June 24, 2020 14:21:02 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:22 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	3.215e5	2.422e5	1.640e4	1.294e4	1.27	NO	2.934e4	20.771	20.771	0.407
2	Total Hexa-Dioxins	33.87	2.579e4	2.359e4	1.567e3	1.217e3	1.29	NO	2.785e3	1.9712	1.9712	0.407
3	Total Hexa-Dioxins	34.13	2.352e5	1.806e5	1.427e4	1.139e4	1.25	NO	2.566e4	18.166	18.166	0.407
4	Total Hexa-Dioxins	34.24	1.655e4	1.595e4	1.052e3	9.323e2	1.13	NO	1.984e3	1.4047	1.4047	0.407
5	1,2,3,4,7,8-HxCDD	34.81	1.263e4	8.410e3	5.234e2	4.098e2	1.28	NO	9.331e2	0.66131	0.66131	0.370
6	1,2,3,6,7,8-HxCDD	34.91	5.435e4	5.572e4	3.456e3	2.866e3	1.21	NO	6.322e3	3.8638	3.8638	0.361
7	1,2,3,7,8,9-HxCDD	35.20	1.952e4	1.790e4	1.230e3	9.969e2	1.23	NO	2.227e3	1.6199	1.6199	0.445

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	9.646e5	9.672e5	7.431e4	7.292e4	1.02	NO	1.472e5	155.75	155.75	0.756
2	1,2,3,4,6,7,8-HpCDD	38.74	6.494e5	6.154e5	4.823e4	4.543e4	1.06	NO	9.366e4	99.079	99.079	0.756

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-7b.qld

Last Altered: Wednesday, June 24, 2020 14:21:02 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:22 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.27	9.836e3	1.484e4	9.973e2	1.290e3	0.77	NO	2.287e3	0.73798	0.73798	0.344
2	Total Tetra-Furans	20.83	2.537e4	3.339e4	2.188e3	2.664e3	0.82	NO	4.852e3	1.5657	1.5657	0.344
3	Total Tetra-Furans	21.44	9.721e4	1.335e5	9.192e3	1.244e4	0.74	NO	2.163e4	6.9794	6.9794	0.344
4	Total Tetra-Furans	21.99	3.482e4	4.986e4	5.067e3	7.081e3	0.72	NO	1.215e4	3.9202	3.9202	0.344
5	Total Tetra-Furans	22.40	2.092e5	2.844e5	2.176e4	2.963e4	0.73	NO	5.139e4	16.581	16.581	0.344
6	Total Tetra-Furans	22.89	9.886e4	1.250e5	9.404e3	1.250e4	0.75	NO	2.190e4	7.0672	7.0672	0.344
7	Total Tetra-Furans	23.04	1.274e4	1.947e4	1.281e3	1.778e3	0.72	NO	3.060e3	0.98733	0.98733	0.344
8	Total Tetra-Furans	23.24	4.054e4	5.517e4	3.897e3	5.410e3	0.72	NO	9.307e3	3.0033	3.0033	0.344
9	Total Tetra-Furans	23.68	8.748e3	9.946e3	5.977e2	8.592e2	0.70	NO	1.457e3	0.47011	0.47011	0.344
10	Total Tetra-Furans	23.81	7.775e3	1.347e4	7.132e2	1.085e3	0.66	NO	1.798e3	0.58016	0.58016	0.344
11	Total Tetra-Furans	24.00	6.471e4	8.718e4	4.250e3	5.575e3	0.76	NO	9.825e3	3.1704	3.1704	0.344
12	Total Tetra-Furans	24.09	1.018e5	1.356e5	1.052e4	1.428e4	0.74	NO	2.480e4	8.0024	8.0024	0.344
13	Total Tetra-Furans	24.61	8.836e5	1.208e6	7.516e4	1.016e5	0.74	NO	1.768e5	57.054	57.054	0.344
14	Total Tetra-Furans	24.91	3.836e4	5.012e4	3.425e3	4.564e3	0.75	NO	7.988e3	2.5778	2.5778	0.344
15	Total Tetra-Furans	25.15	8.330e3	1.395e4	7.510e2	1.160e3	0.65	YES	0.000e0	0.00000	0.55707	0.344
16	Total Tetra-Furans	25.33	9.330e3	1.751e4	5.088e2	1.004e3	0.51	YES	0.000e0	0.00000	0.37739	0.344
17	Total Tetra-Furans	25.45	1.166e5	1.536e5	6.947e3	9.694e3	0.72	NO	1.664e4	5.3701	5.3701	0.344
18	2,3,7,8-TCDF	25.57	1.055e6	1.438e6	8.454e4	1.150e5	0.74	NO	1.995e5	64.376	64.376	0.344
19	Total Tetra-Furans	25.94	5.425e4	6.606e4	4.330e3	5.195e3	0.83	NO	9.525e3	3.0736	3.0736	0.344
20	Total Tetra-Furans	26.20	1.274e4	1.582e4	8.310e2	1.213e3	0.68	NO	2.044e3	0.65963	0.65963	0.344
21	Total Tetra-Furans	27.01	9.205e3	5.565e3	7.145e2	3.183e2	2.24	YES	0.000e0	0.00000	0.18182	0.344
22	Total Tetra-Furans	27.14	1.209e4	1.582e4	8.472e2	1.036e3	0.82	NO	1.883e3	0.60766	0.60766	0.344
23	Total Tetra-Furans	27.29	1.832e4	1.552e4	1.155e3	1.032e3	1.12	YES	0.000e0	0.00000	0.58953	0.344
24	Total Tetra-Furans	27.58	1.486e5	1.553e5	1.043e4	1.084e4	0.96	YES	0.000e0	0.00000	6.1901	0.344

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Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	5.356e5	3.282e5	3.362e4	2.126e4	1.58	NO	5.488e4	18.308	18.308	0.0469

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-7b.qld

Last Altered: Wednesday, June 24, 2020 14:21:02 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:22 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.02	5.720e4	3.475e4	3.101e3	2.116e3	1.47	NO	5.218e3	1.7405	1.7405	0.384
2	Total Penta-Furans	29.16	1.088e6	7.057e5	7.370e4	4.635e4	1.59	NO	1.200e5	40.045	40.045	0.384
3	Total Penta-Furans	29.76	9.796e4	6.382e4	8.820e3	5.579e3	1.58	NO	1.440e4	4.8029	4.8029	0.384
4	Total Penta-Furans	29.97	2.467e5	1.566e5	1.261e4	8.545e3	1.48	NO	2.116e4	7.0573	7.0573	0.384
5	1,2,3,7,8-PeCDF	30.15	2.206e6	1.409e6	1.264e5	7.967e4	1.59	NO	2.061e5	66.628	66.628	0.371
6	Total Penta-Furans	30.43	6.771e5	4.047e5	4.190e4	2.637e4	1.59	NO	6.827e4	22.775	22.775	0.384
7	Total Penta-Furans	31.04	2.156e4	1.418e4	9.403e2	5.908e2	1.59	NO	1.531e3	0.51074	0.51074	0.384
8	2,3,4,7,8-PeCDF	31.15	9.848e5	6.062e5	4.549e4	2.816e4	1.62	NO	7.365e4	24.228	24.228	0.380
9	Total Penta-Furans	31.16	8.221e5	4.677e5	2.594e4	1.609e4	1.61	NO	4.203e4	14.020	14.020	0.384
10	Total Penta-Furans	31.42	7.776e3	6.172e3	5.186e2	4.387e2	1.18	YES	0.000e0	0.00000	0.28461	0.384
11	Total Penta-Furans	32.08	6.410e4	4.848e4	3.443e3	2.414e3	1.43	NO	5.857e3	1.9536	1.9536	0.384

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.77	9.728e4	8.237e4	5.554e3	4.570e3	1.22	NO	1.012e4	5.5018	5.5018	0.403
2	Total Hexa-Furans	32.93	4.329e5	3.315e5	2.133e4	1.754e4	1.22	NO	3.887e4	21.121	21.121	0.403
3	Total Hexa-Furans	33.30	1.468e4	9.817e3	7.547e2	5.652e2	1.34	NO	1.320e3	0.71729	0.71729	0.403
4	Total Hexa-Furans	33.47	5.983e5	5.016e5	3.089e4	2.548e4	1.21	NO	5.637e4	30.635	30.635	0.403
5	Total Hexa-Furans	33.83	1.910e4	1.756e4	8.877e2	8.344e2	1.06	NO	1.722e3	0.93585	0.93585	0.403
6	1,2,3,4,7,8-HxCDF	33.94	1.806e6	1.479e6	9.787e4	8.050e4	1.22	NO	1.784e5	103.39	103.39	0.394
7	1,2,3,6,7,8-HxCDF	34.06	5.591e5	4.197e5	3.388e4	2.691e4	1.26	NO	6.079e4	28.813	28.813	0.332
8	Total Hexa-Furans	34.33	2.613e4	2.106e4	1.650e3	1.234e3	1.34	NO	2.884e3	1.5672	1.5672	0.403
9	2,3,4,6,7,8-HxCDF	34.65	1.293e5	1.021e5	7.409e3	5.988e3	1.24	NO	1.340e4	7.2053	7.2053	0.419
10	1,2,3,7,8,9-HxCDF	35.60	1.362e5	1.222e5	7.026e3	5.806e3	1.21	NO	1.283e4	9.4098	9.4098	0.589
11	Total Hexa-Furans	35.61	1.180e5	8.511e4	2.817e3	2.245e3	1.25	NO	5.062e3	2.7507	2.7507	0.403

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-7b.qld

Last Altered: Wednesday, June 24, 2020 14:21:02 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:35:22 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.32	4.418e5	4.379e5	3.136e4	3.111e4	1.01	NO	6.247e4	54.107	54.107	0.669
2	Total Hepta-Furans	37.72	1.158e4	1.206e4	8.982e2	8.558e2	1.05	NO	1.754e3	1.8214	1.8214	0.736
3	Total Hepta-Furans	37.94	5.777e5	5.576e5	4.419e4	4.350e4	1.02	NO	8.769e4	91.058	91.058	0.736
4	1,2,3,4,7,8,9-HpCDF	39.29	1.271e5	1.314e5	8.617e3	8.810e3	0.98	NO	1.743e4	19.481	19.481	0.721

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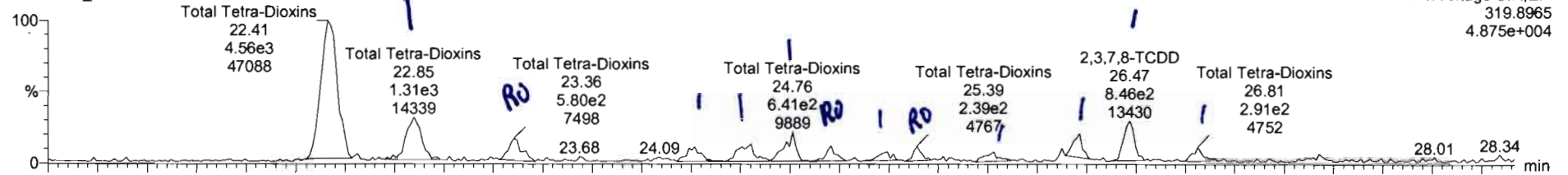
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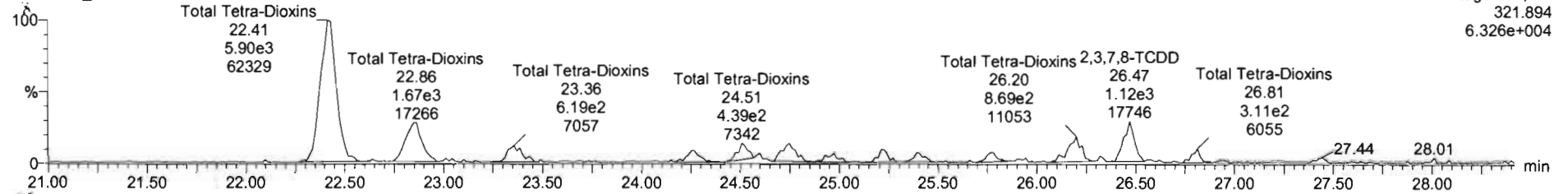
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2,3,7,8-TCDD

200608R1_7

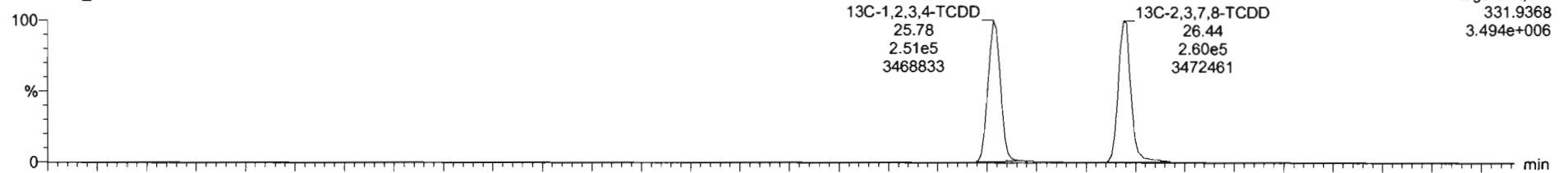


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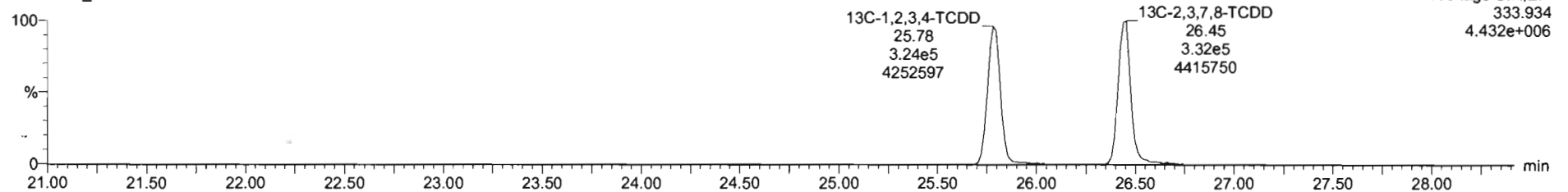


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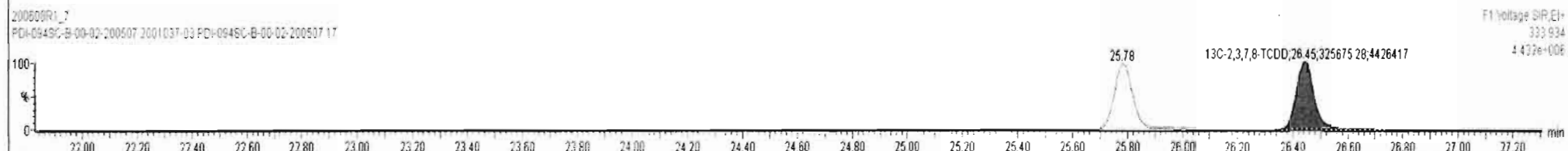
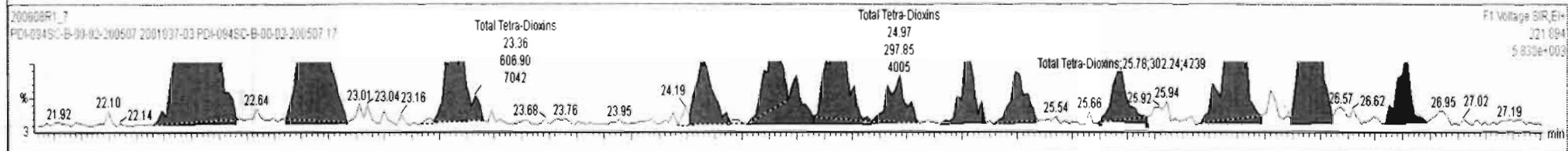
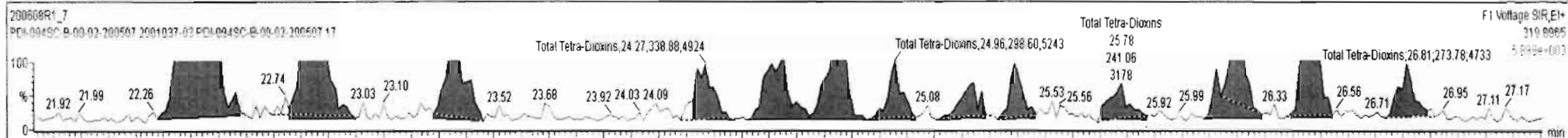


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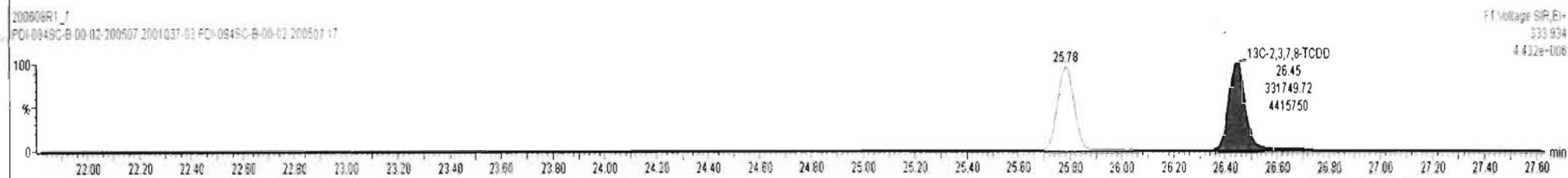
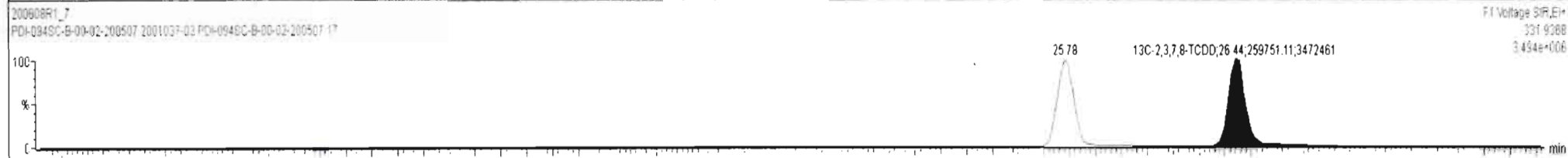
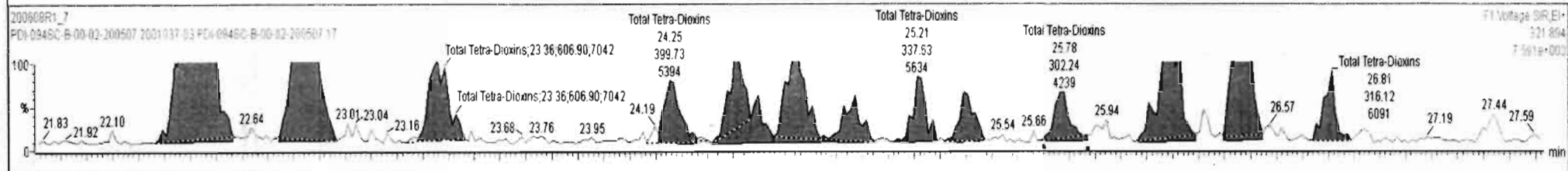
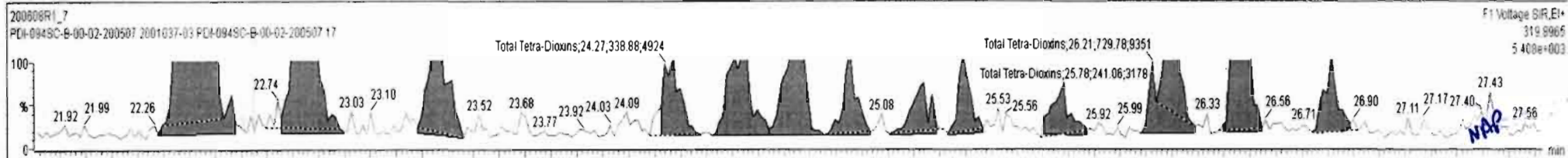
Name	Resp	RA	nVj	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9883	10.138			6.71		0.163	9.52
40 Total Penta-Dioxins				0.9081	10.138			7.31		0.176	10.4

Name	RT	m1 Resp	m2 Resp	RA	nVj	EMPC	Conc.
1 Total Tetra-Dioxins	22.41	4.760e3	5.954e3	0.80	NO	4.1164	4.1164
2 Total Tetra-Dioxins	22.85	1.346e3	1.706e3	0.79	NO	1.1725	1.1725
3 Total Tetra-Dioxins	23.36	6.132e2	6.069e2	1.01	YES	0.41269	0.00000
4 Total Tetra-Dioxins	24.27	3.399e2	3.997e2	0.85	NO	0.28376	0.28376
5 Total Tetra-Dioxins	24.55	5.514e2	7.903e2	0.70	NO	0.51547	0.51547
6 Total Tetra-Dioxins	24.76	6.408e2	7.493e2	0.86	NO	0.53403	0.53403
7 Total Tetra-Dioxins	24.96	2.986e2	2.978e2	1.00	YES	0.20253	0.00000
8 Total Tetra-Dioxins	25.24	2.470e2	3.376e2	0.73	NO	0.22462	0.22462
9 Total Tetra-Dioxins	25.39	2.593e2	2.829e2	0.92	YES	0.19235	0.00000
10 Total Tetra-Dioxins	25.78	2.411e2	3.022e2	0.80	NO	0.20872	0.20872
11 Total Tetra-Dioxins	26.21	7.298e2	9.315e2	0.78	NO	0.63822	0.63822
12 2,3,7,8-TCDD	26.47	8.717e2	1.199e3	0.73	NO	0.79542	0.79542
13 Total Tetra-Dioxins	26.81	2.738e2	3.116e2	0.88	NO	0.22490	0.22490



Name	Resp	RA	n/y	RF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.138			8.53		0.164	9.32
40 Total Penta-Dioxins				0.9081	10.138			3.67		0.176	5.33

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.41	4.824e3	5.954e3	0.81	NO	4.0468	4.0468
2 Total Tetra-Dioxins	22.85	1.346e3	1.706e3	0.79	NO	1.1459	1.1459
3 Total Tetra-Dioxins	23.36	6.132e2	6.069e2	1.01	YES	0.40331	0.00000
4 Total Tetra-Dioxins	24.27	3.389e2	3.997e2	0.85	NO	0.27730	0.27730
5 Total Tetra-Dioxins	24.55	5.514e2	7.903e2	0.70	NO	0.50375	0.50375
6 Total Tetra-Dioxins	24.76	6.408e2	7.493e2	0.86	NO	0.52189	0.52189
7 Total Tetra-Dioxins	24.96	2.986e2	2.978e2	1.00	YES	0.19793	0.00000
8 Total Tetra-Dioxins	25.24	2.470e2	3.376e2	0.73	NO	0.21951	0.21951
9 Total Tetra-Dioxins	25.39	2.593e2	2.829e2	0.92	YES	0.18798	0.00000
10 Total Tetra-Dioxins	25.76	2.411e2	3.022e2	0.80	NO	0.20398	0.20398
11 Total Tetra-Dioxins	26.21	7.298e2	9.315e2	0.78	NO	0.62371	0.62371
12 2,3,7,8-TCDD	26.47	8.717e2	1.180e3	0.74	NO	0.77035	0.77035
13 Total Tetra-Dioxins	26.81	2.738e2	3.161e2	0.87	NO	0.22147	0.22147



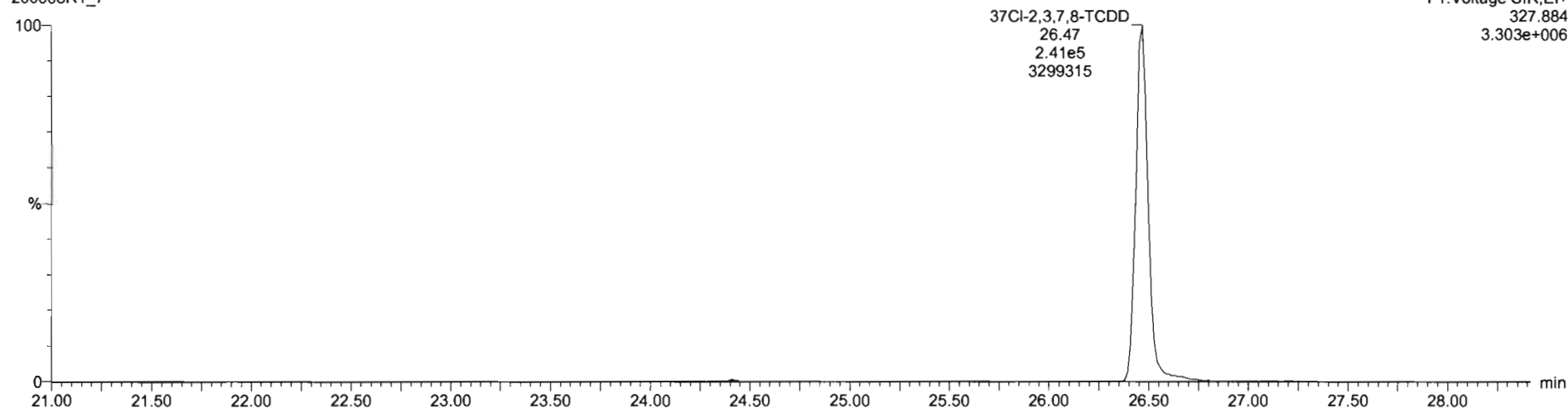
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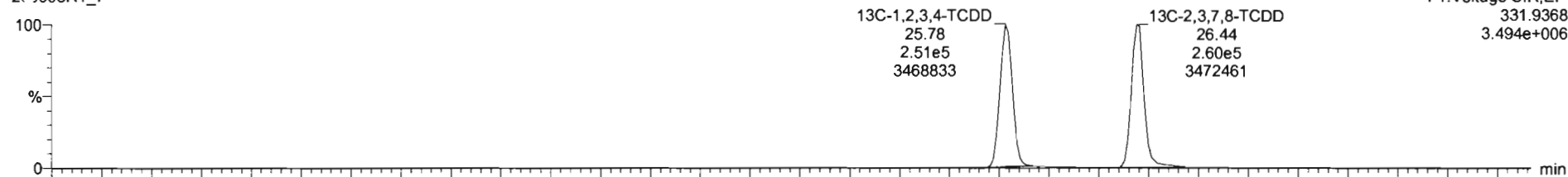
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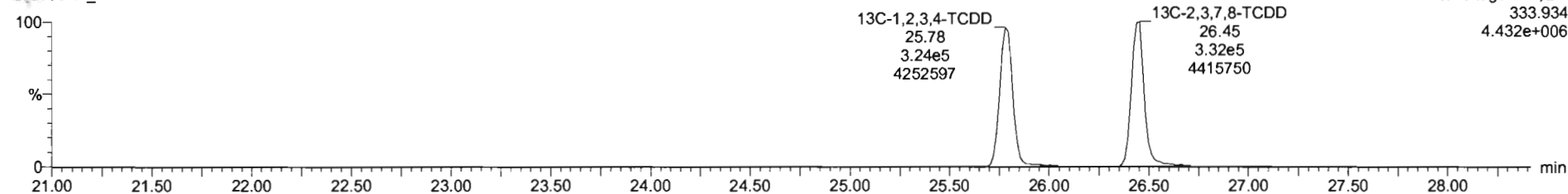


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200608R1_7



200608R1_7



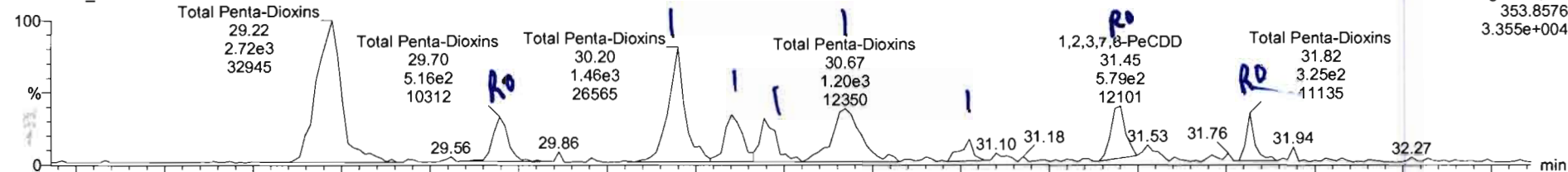
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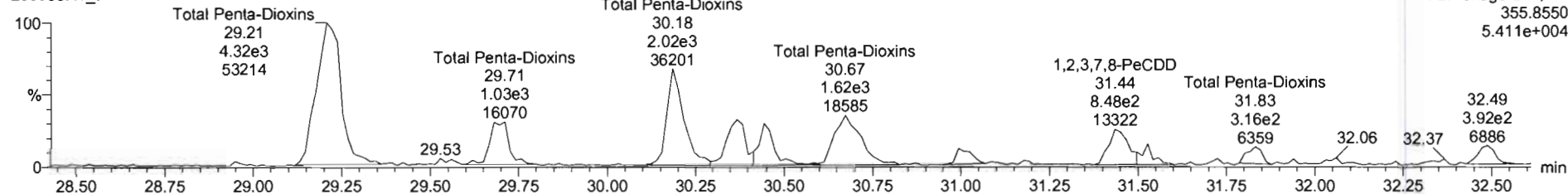
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1,2,3,7,8-PeCDD

200608R1_7

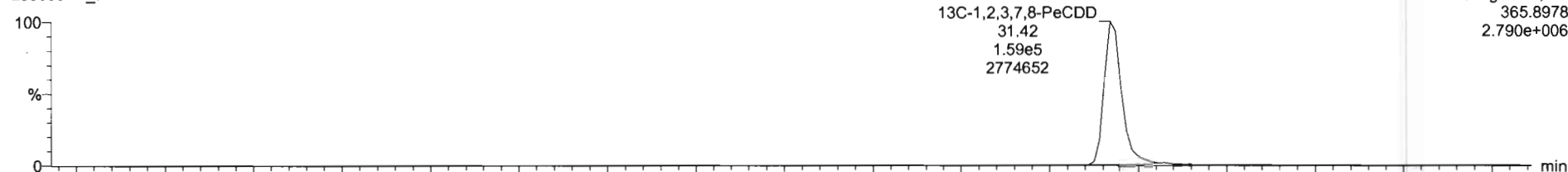


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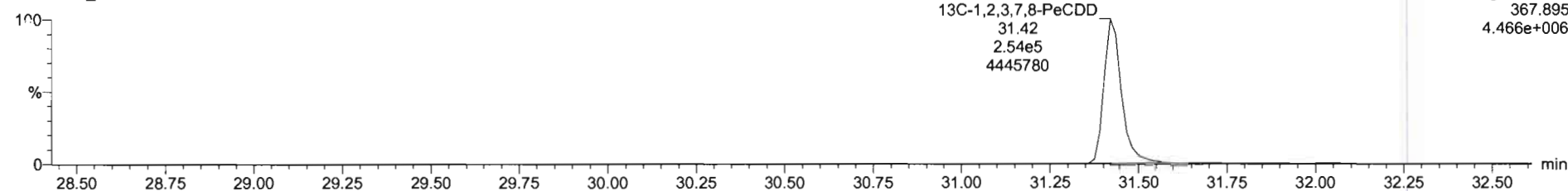


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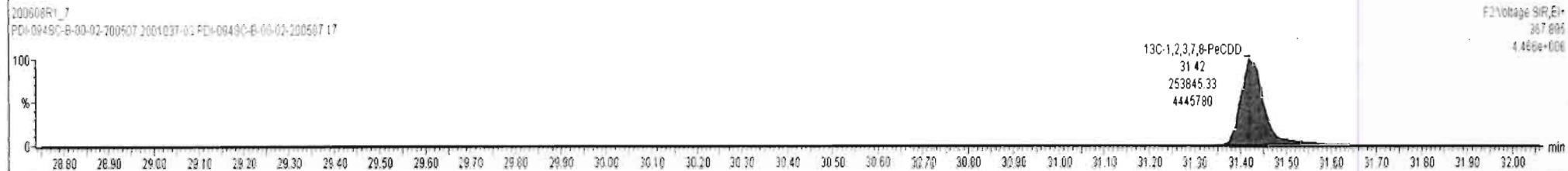
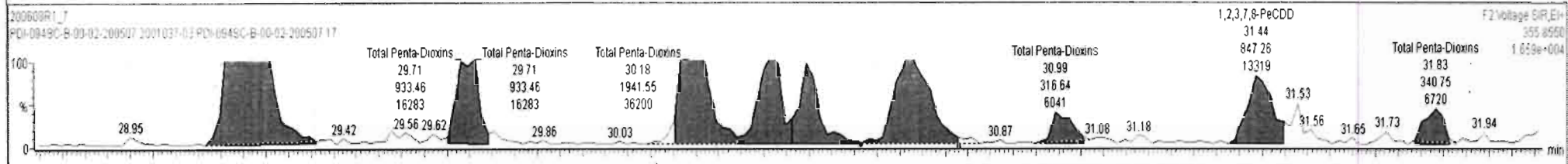
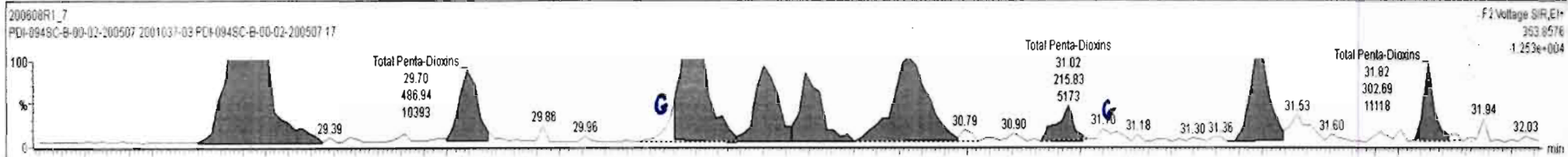


200608R1_7



Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9061	10.138			8.74		0.176	10.4
41 Total Hexa-Dioxins				0.8923	10.138			25.5		0.407	25.5

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	2.735e3	4.371e3	0.63	NO	3.7369	3.7369
2 Total Penta-Dioxins	29.70	4.869e2	9.335e2	0.52	YES	0.66256	0.00000
3 Total Penta-Dioxins	30.20	1.337e3	1.942e3	0.69	NO	1.7244	1.7244
4 Total Penta-Dioxins	30.35	6.391e2	1.040e3	0.61	NO	0.88246	0.88246
5 Total Penta-Dioxins	30.44	5.427e2	7.691e2	0.71	NO	0.68987	0.68987
6 Total Penta-Dioxins	30.67	1.133e3	1.582e3	0.72	NO	1.4279	1.4279
7 Total Penta-Dioxins	31.02	2.158e2	3.166e2	0.68	NO	0.28002	0.28002
8 1,2,3,7,8-PeCDD	31.45	6.497e2	8.473e2	0.77	YES	0.72628	0.00000
9 Total Penta-Dioxins	31.82	3.027e2	3.406e2	0.89	YES	0.29210	0.00000



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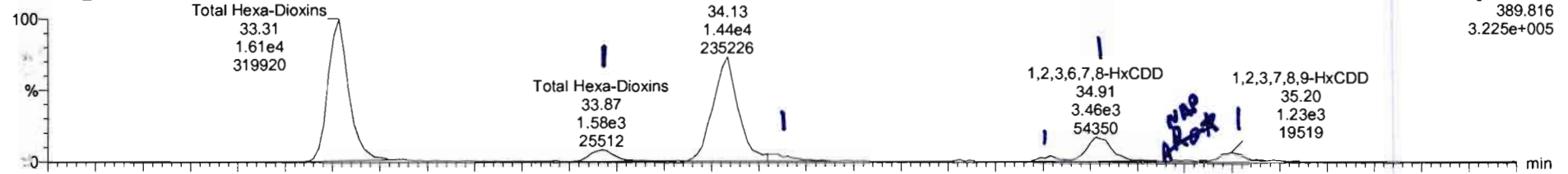
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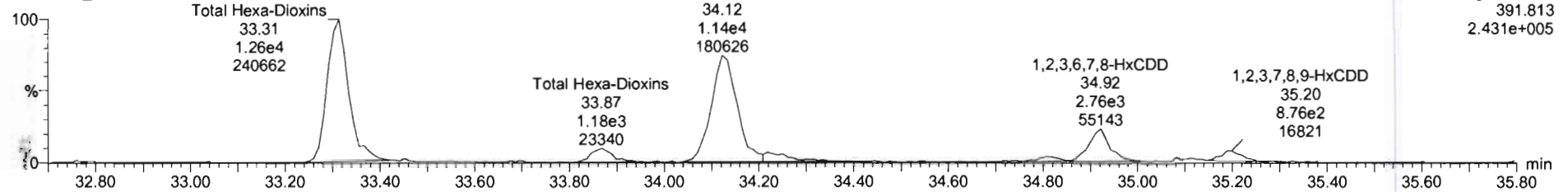
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1,2,3,4,7,8-HxCDD

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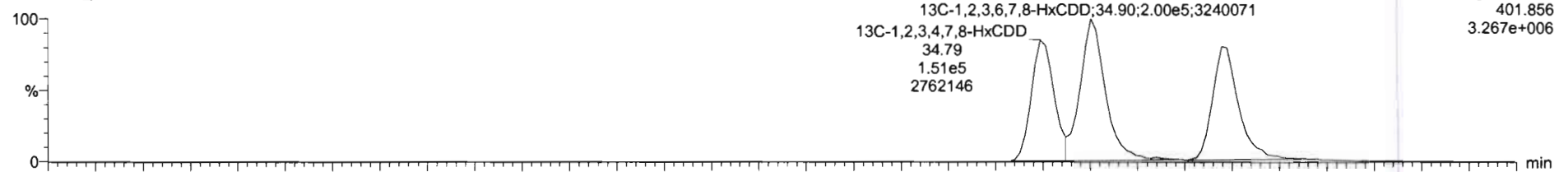


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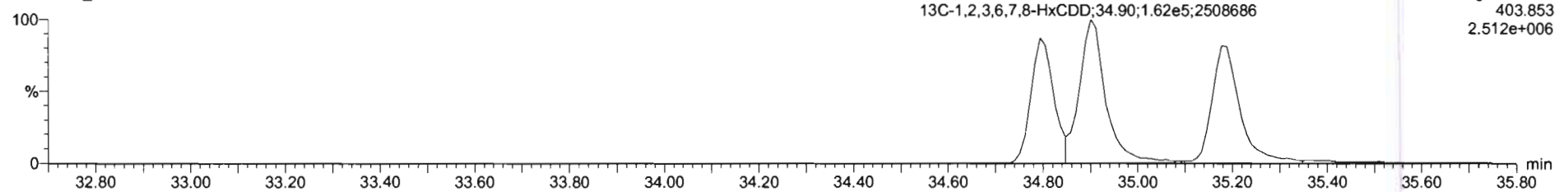


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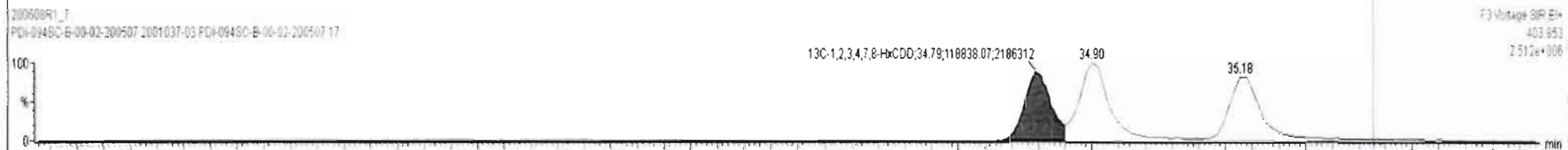
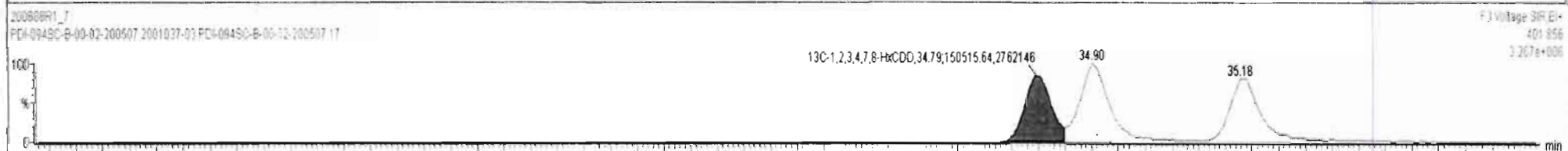
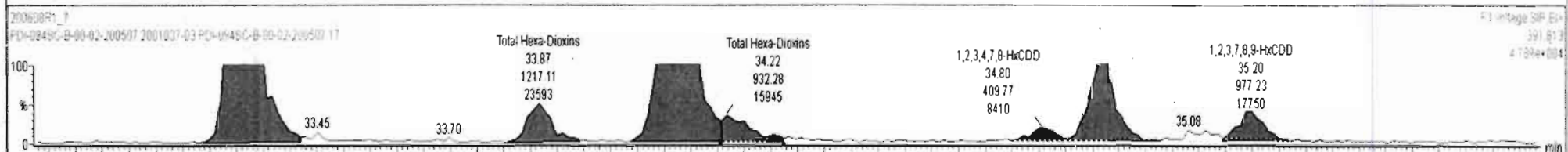
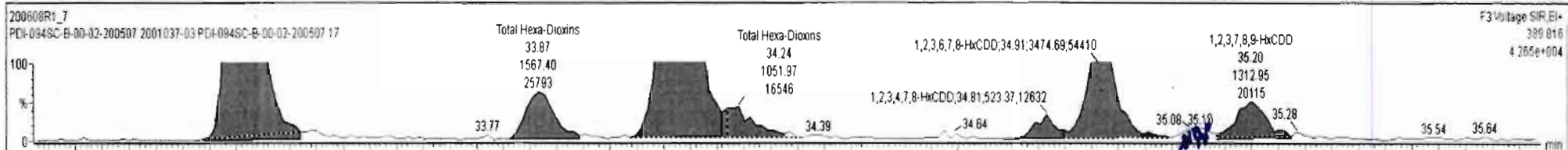


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Name	Resp	RA	n/y	RF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.138			8.74		0.176	10.4
41 Total Hexa-Dioxins				0.8923	10.138			48.5		0.407	48.5

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	1.640e4	1.294e4	1.27	NO	20.771	20.771
2 Total Hexa-Dioxins	33.87	1.567e3	1.217e3	1.29	NO	1.9712	1.9712
3 Total Hexa-Dioxins	34.13	1.424e4	1.139e4	1.25	NO	18.139	18.139
4 Total Hexa-Dioxins	34.24	1.052e3	9.323e2	1.13	NO	1.4047	1.4047
5 1,2,3,4,7,8-HxCDD	34.81	5.234e2	4.098e2	1.26	NO	0.66131	0.66131
6 1,2,3,6,7,8-HxCDD	34.91	3.475e3	2.846e3	1.22	NO	3.8631	3.8631
7 1,2,3,7,8,9-HxCDD	35.20	1.313e3	9.772e2	1.34	NO	1.6657	1.6657



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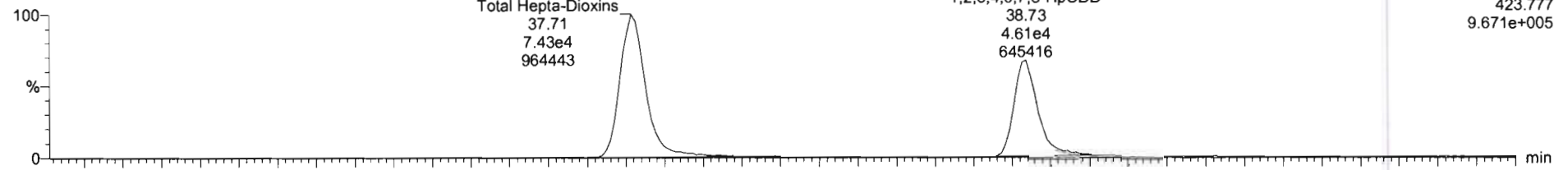
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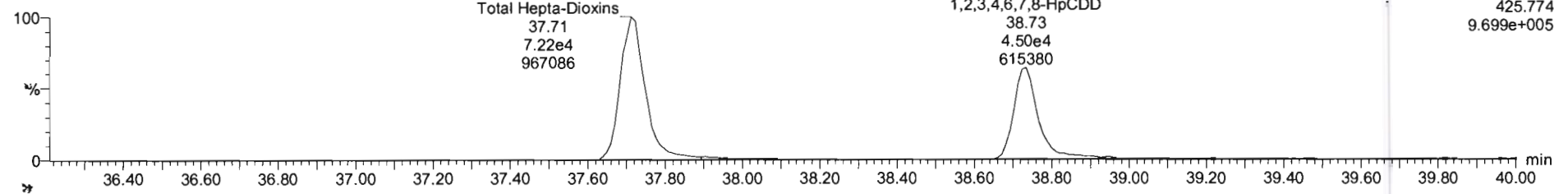
1,2,3,4,6,7,8-HpCDD

200608R1_7



F4:Voltage SIR,EI+
423.777
9.671e+005

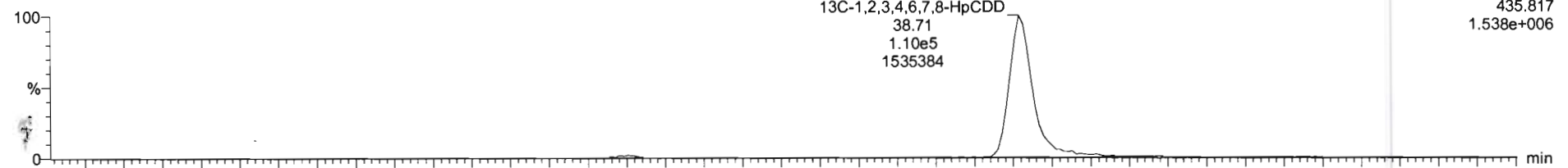
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F4:Voltage SIR,EI+
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9.699e+005

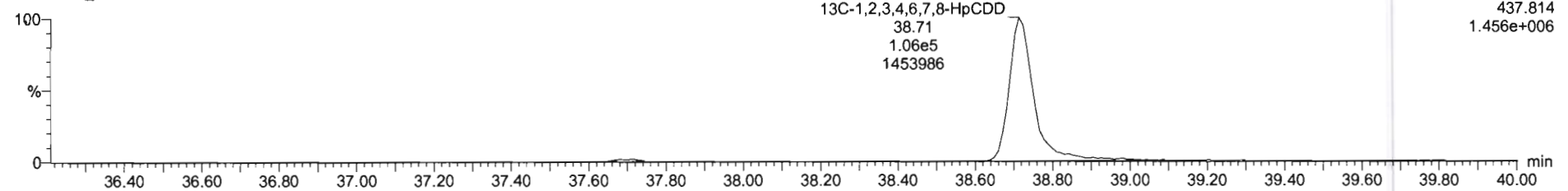
13C-1,2,3,4,6,7,8-HpCDD

200608R1_7



F4:Voltage SIR,EI+
435.817
1.538e+006

200608R1_7



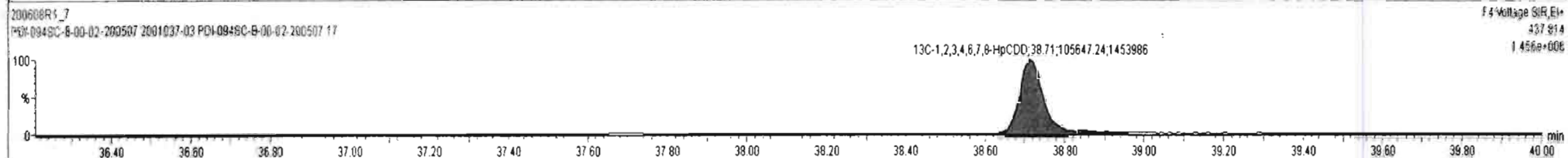
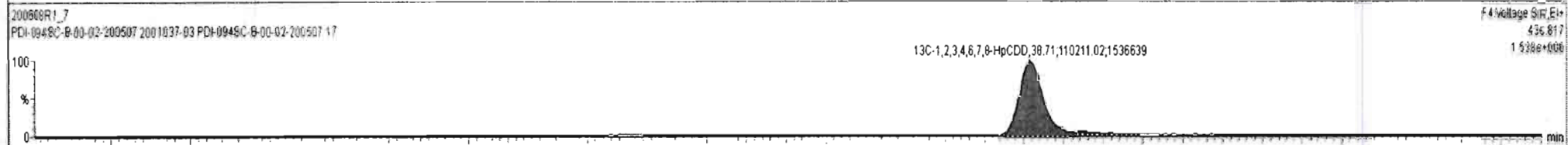
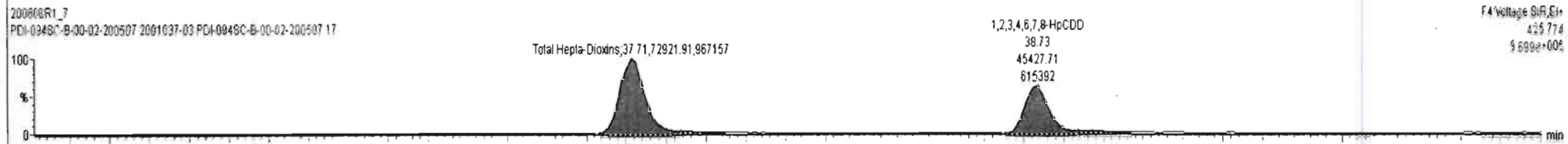
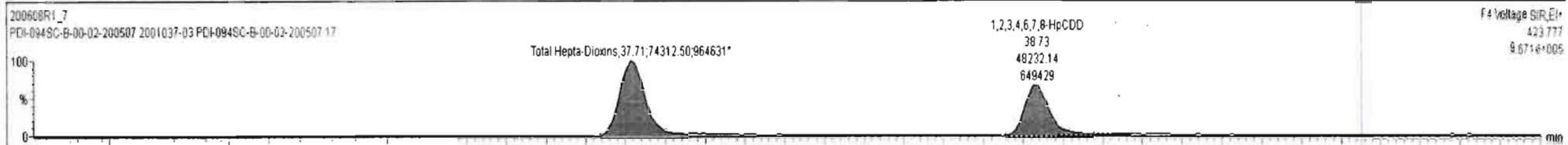
F4:Voltage SIR,EI+
437.814
1.456e+006



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Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Dioxins				0.8639	10.138			255		0.756	255
43 Total Tetra-Furans				0.7510	10.138			186		0.347	195

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	7.466e4	7.292e4	1.02	NO	156.12	156.12
2 1,2,3,4,6,7,8-HpCDD	38.73	4.823e4	4.543e4	1.06	NO	99.079	99.079

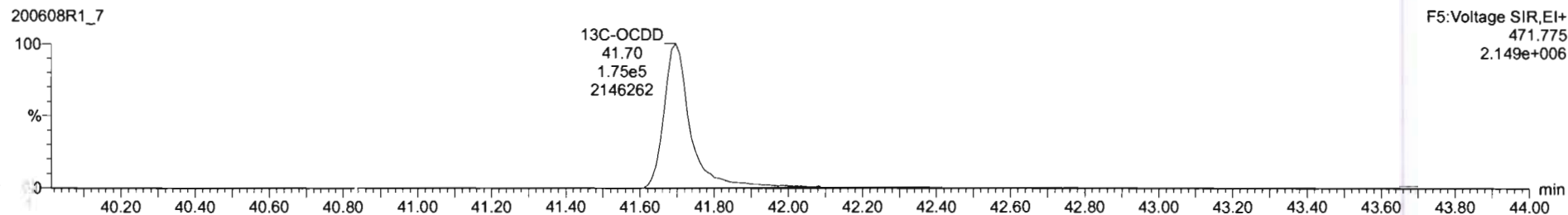
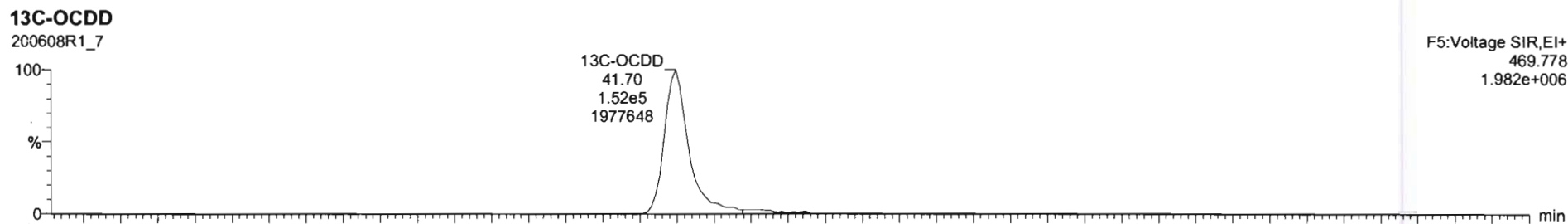
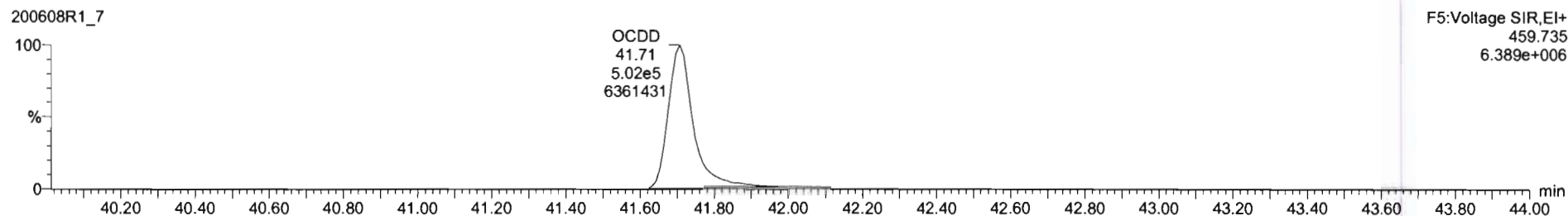
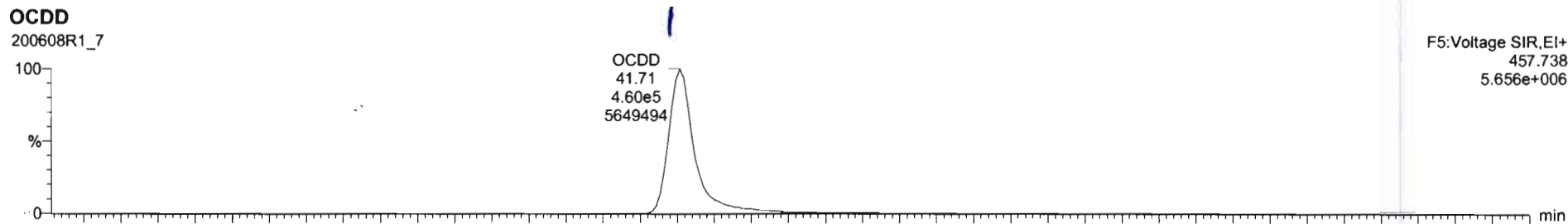


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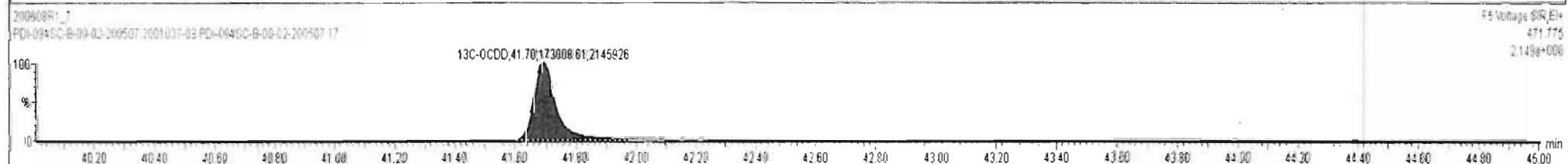
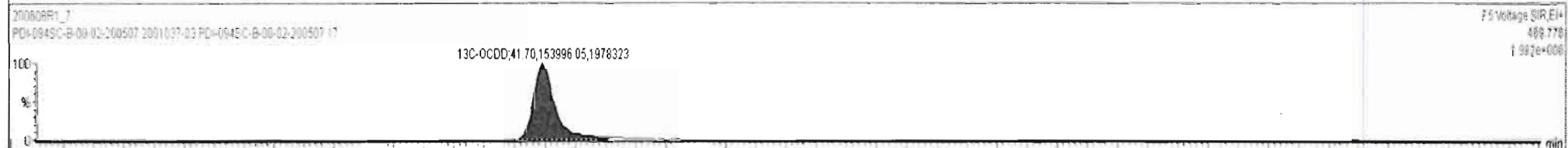
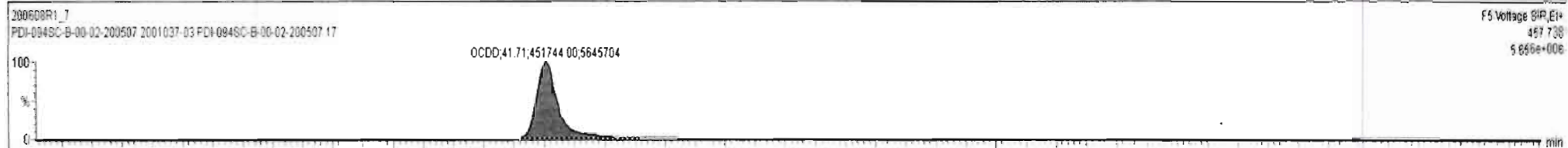
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Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	9.58e5	0.89	NO	0.9136	10.136	41.71	1.000	1270		1.59	1270
8 2,3,7,8-TCDF	1.86e5	0.73	NO	0.7510	10.136	25.57	1.001	63.8		0.347	63.8

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

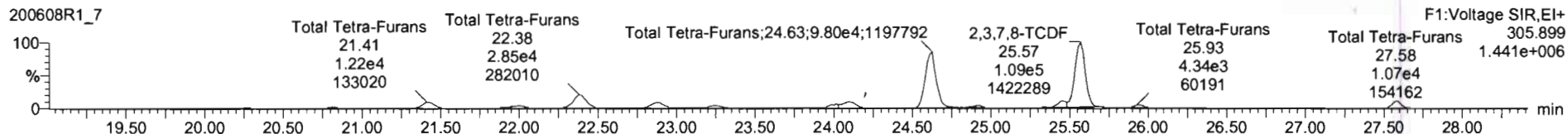
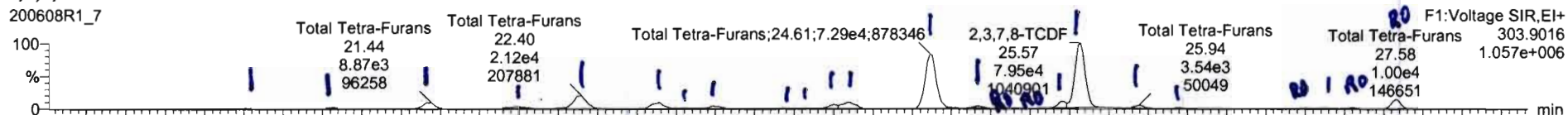


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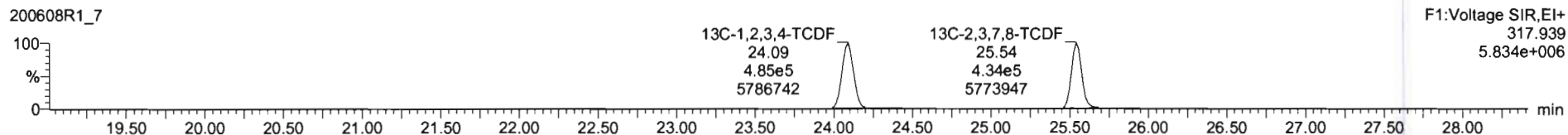
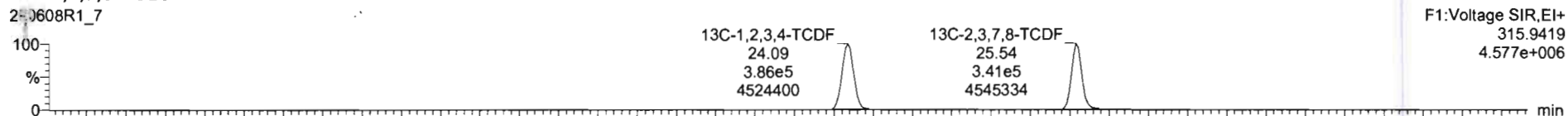
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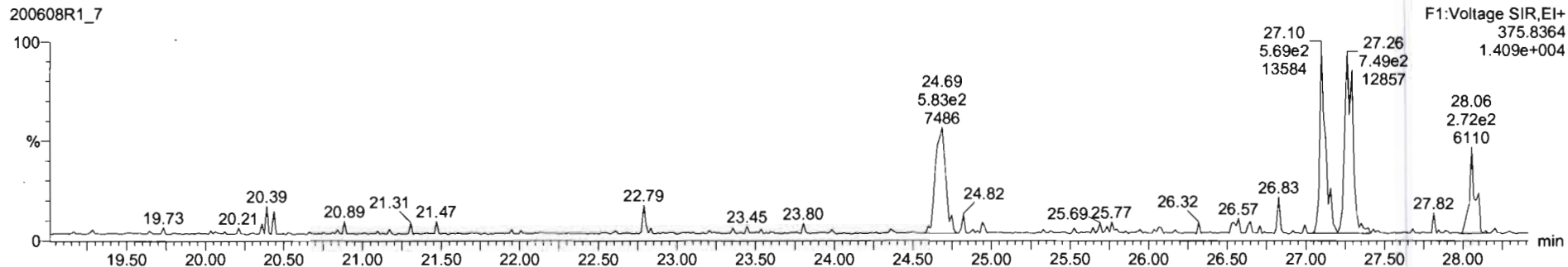
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13C-2,3,7,8-TCDF

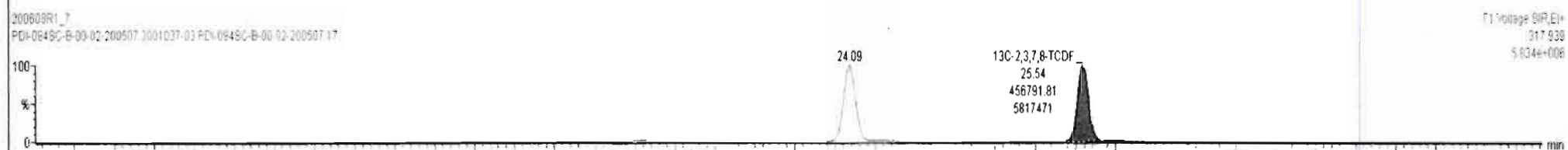
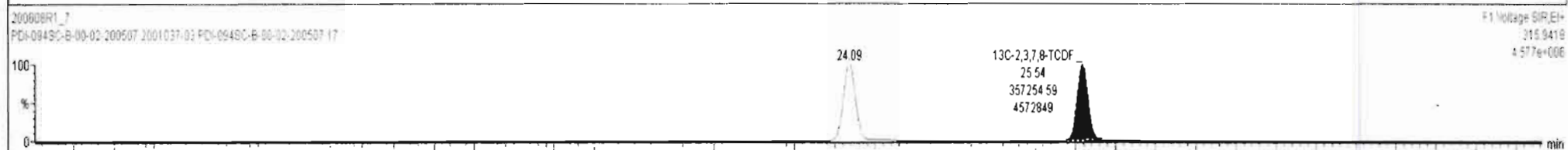
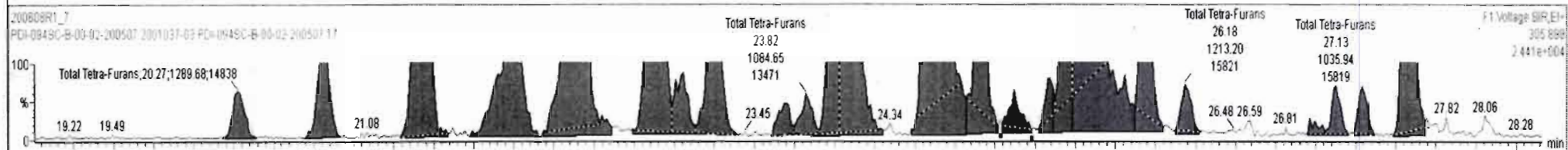
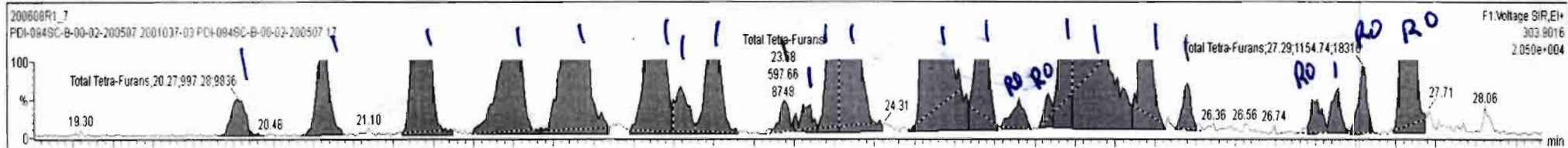


DPE1



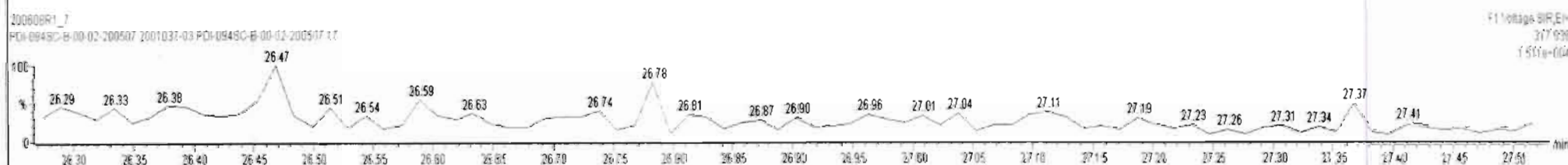
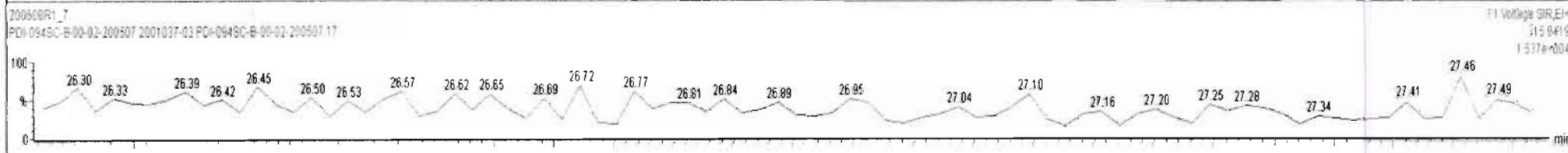
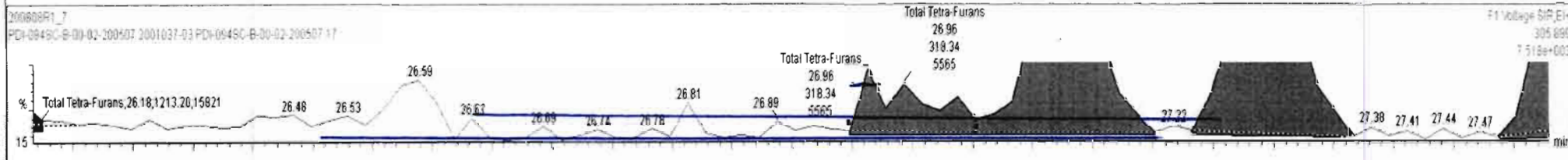
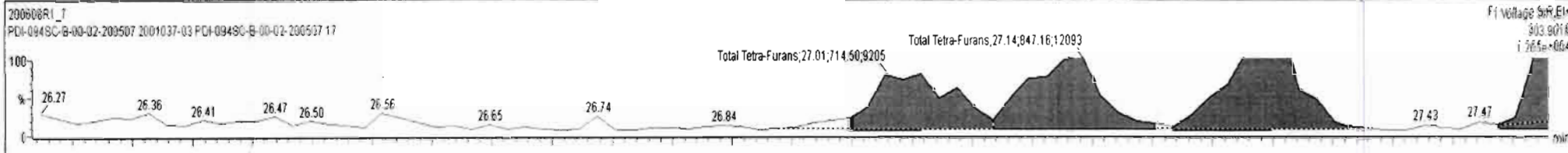
Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.138			187		0.344	195
44 1st Func. Penta-Furans				0.8925	10.138			18.31		0.0471	18.31

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Tetra-Furans	20.27	9.973e2	1.290e3	0.77	NO	0.73798	0.73798
2 Total Tetra-Furans	20.83	2.188e3	2.864e3	0.82	NO	1.5857	1.5857
3 Total Tetra-Furans	21.44	9.192e3	1.244e4	0.74	NO	6.9794	6.9794
4 Total Tetra-Furans	21.99	5.067e3	7.081e3	0.72	NO	3.9202	3.9202
5 Total Tetra-Furans	22.40	2.176e4	2.963e4	0.73	NO	16.581	16.581
6 Total Tetra-Furans	22.89	9.404e3	1.250e4	0.75	NO	7.0672	7.0672
7 Total Tetra-Furans	23.04	1.281e3	1.778e3	0.72	NO	0.98733	0.98733
8 Total Tetra-Furans	23.24	3.897e3	5.410e3	0.72	NO	3.0033	3.0033
9 Total Tetra-Furans	23.68	5.977e2	8.592e2	0.70	NO	0.47011	0.47011
10 Total Tetra-Furans	23.80	7.132e2	1.085e3	0.66	NO	0.58016	0.58016
11 Total Tetra-Furans	24.00	4.250e3	5.575e3	0.76	NO	3.1704	3.1704
12 Total Tetra-Furans	24.09	1.052e4	1.426e4	0.74	NO	8.0024	8.0024
13 Total Tetra-Furans	24.61	7.516e4	1.016e5	0.74	NO	57.054	57.054
14 Total Tetra-Furans	24.91	3.425e3	4.584e3	0.75	NO	2.5778	2.5778
15 Total Tetra-Furans	25.15	7.510e2	1.160e3	0.65	YES	0.55707	0.00000
16 Total Tetra-Furans	25.22	5.088e3	6.804e3	0.74	YES	0.27726	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.138			187		0.344	195
44 1st Func. Penta-Furans				0.8925	10.138			18.31		0.0471	18.31

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.27	9.973e2	1.290e3	0.77	NO	0.73798	0.73798
2 Total Tetra-Furans	20.83	2.188e3	2.664e3	0.82	NO	1.5657	1.5657
3 Total Tetra-Furans	21.44	9.192e3	1.244e4	0.74	NO	6.9794	6.9794
4 Total Tetra-Furans	21.99	5.067e3	7.081e3	0.72	NO	3.9202	3.9202
5 Total Tetra-Furans	22.40	2.176e4	2.963e4	0.73	NO	16.581	16.581
6 Total Tetra-Furans	22.89	9.404e3	1.250e4	0.75	NO	7.0672	7.0672
7 Total Tetra-Furans	23.04	1.281e3	1.778e3	0.72	NO	0.98733	0.98733
8 Total Tetra-Furans	23.24	3.897e3	5.410e3	0.72	NO	3.0033	3.0033
9 Total Tetra-Furans	23.68	5.977e2	8.592e2	0.70	NO	0.47011	0.47011
10 Total Tetra-Furans	23.80	7.132e2	1.085e3	0.86	NO	0.58016	0.58016
11 Total Tetra-Furans	24.00	4.250e3	5.575e3	0.76	NO	3.1704	3.1704
12 Total Tetra-Furans	24.09	1.052e4	1.428e4	0.74	NO	8.0024	8.0024
13 Total Tetra-Furans	24.61	7.516e4	1.016e5	0.74	NO	57.054	57.054
14 Total Tetra-Furans	24.81	3.425e3	4.564e3	0.75	NO	2.5778	2.5778
15 Total Tetra-Furans	25.15	7.510e2	1.160e3	0.65	YES	0.55707	0.00000



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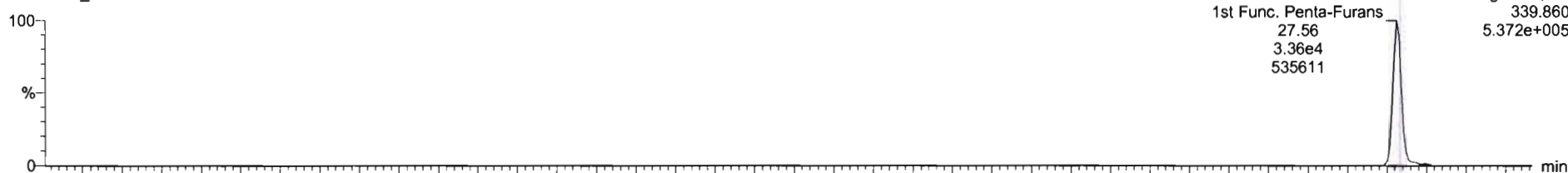
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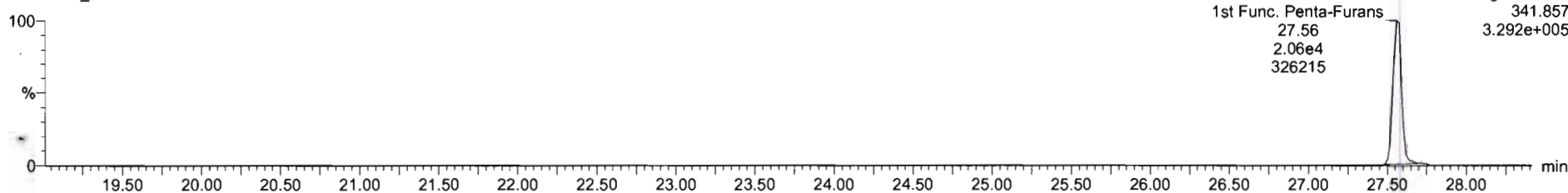
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1st Func. Penta-Furans

200608R1_7

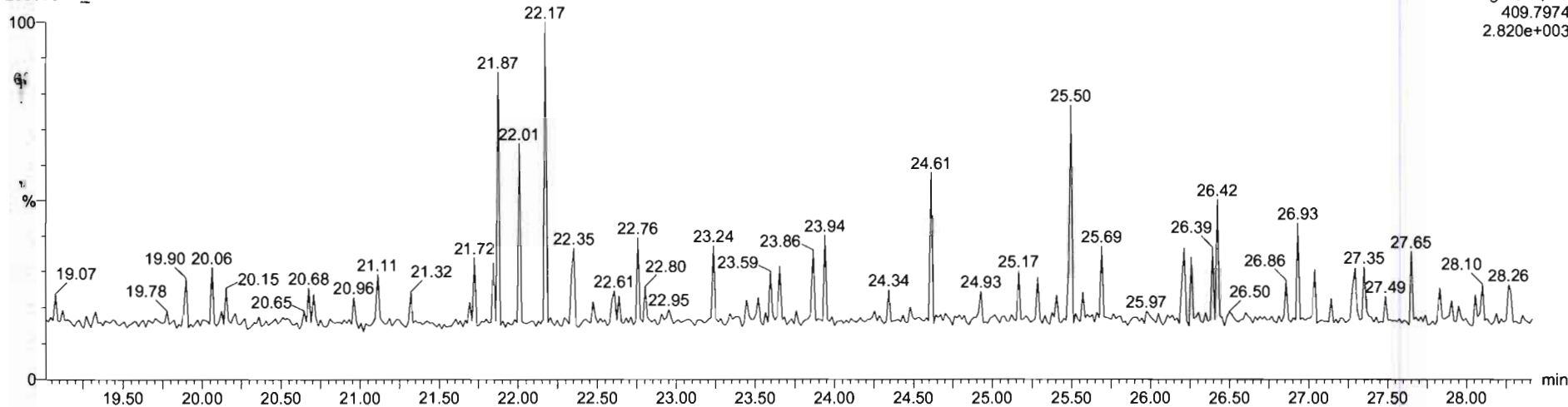


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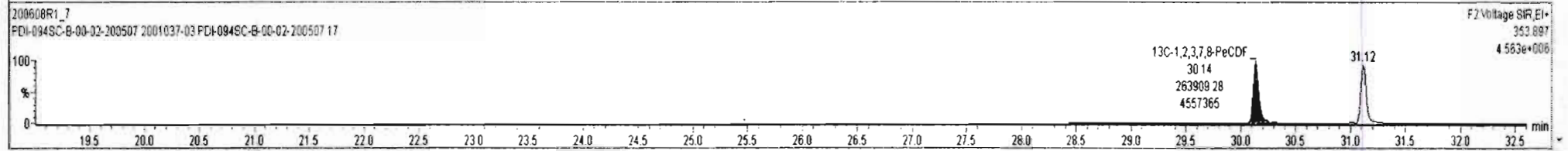
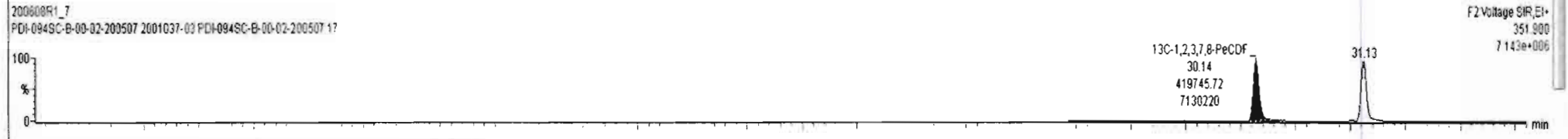
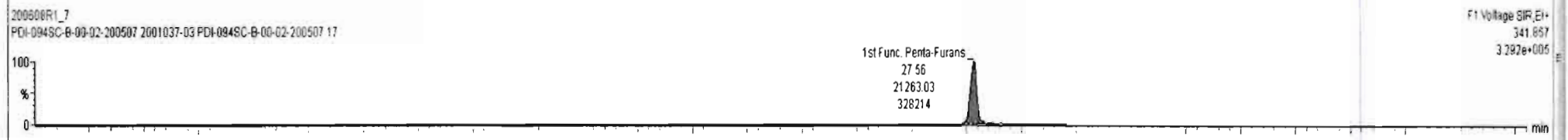
DPE6

200608R1_7



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.138			187		0.344	195
44 1st Func. Penta-Furans				0.8925	10.138			18.31		0.04691	18.31

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1st Func. Penta-Furans	27.56	3.362e4	2.126e4	1.58	NO	18.308	18.308



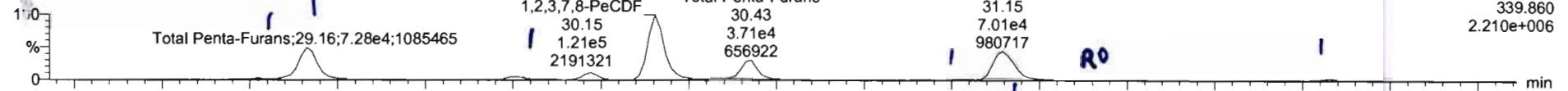
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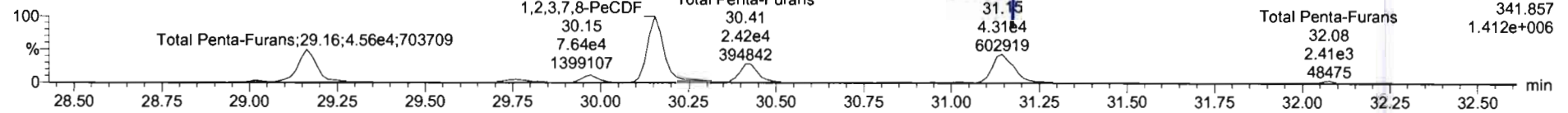
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1,2,3,7,8-PeCDF

200608R1_7

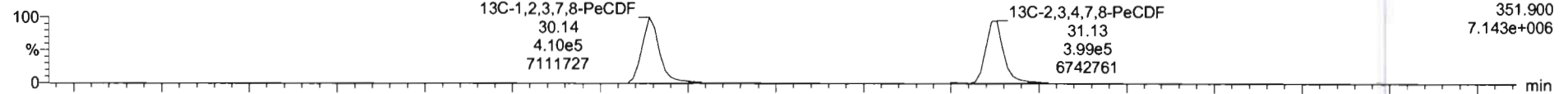


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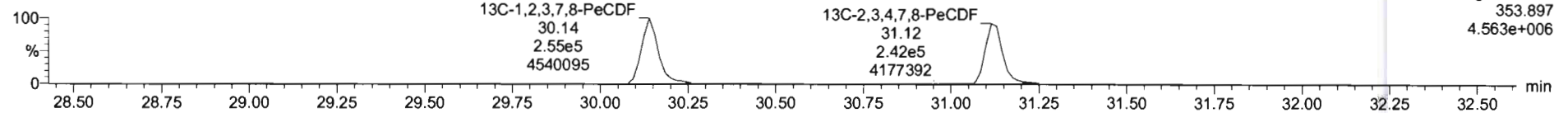


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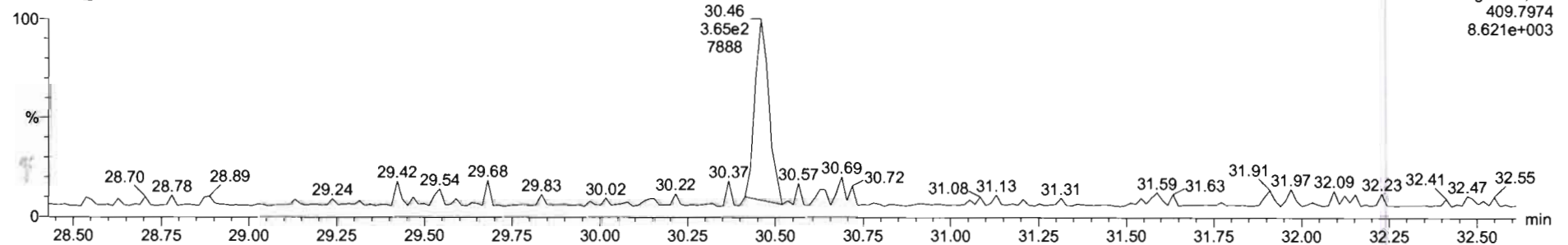


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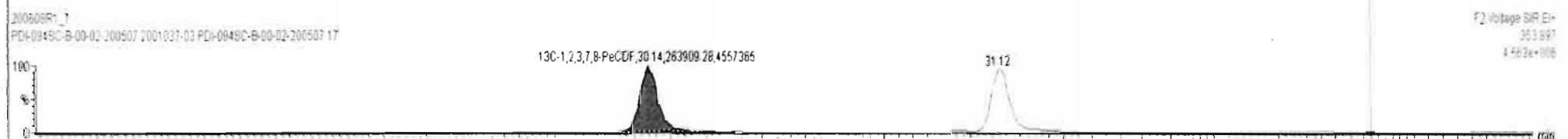
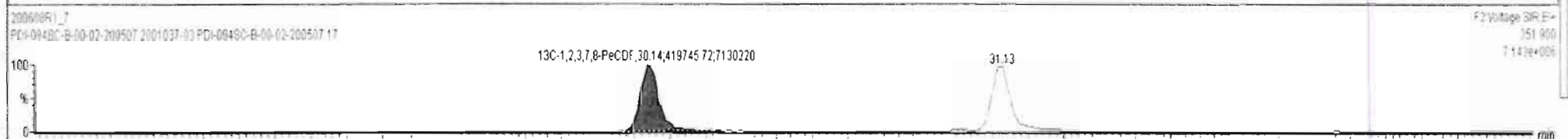
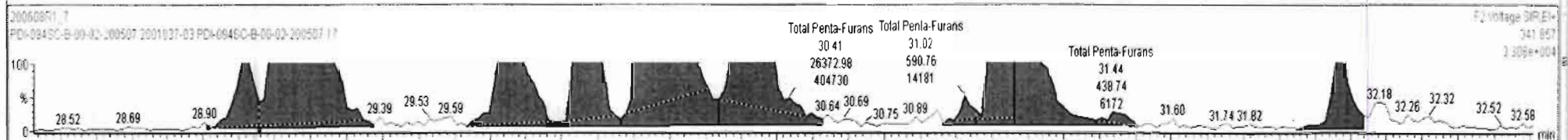
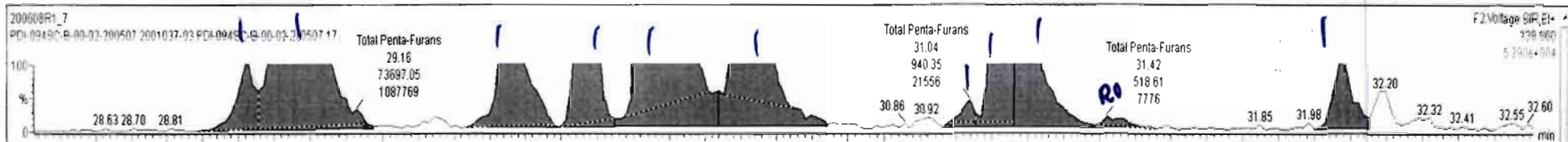
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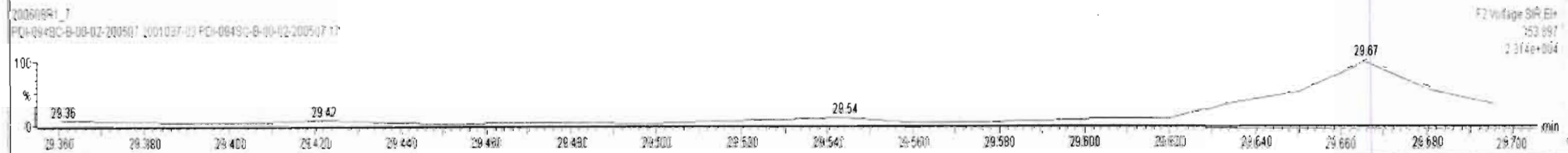
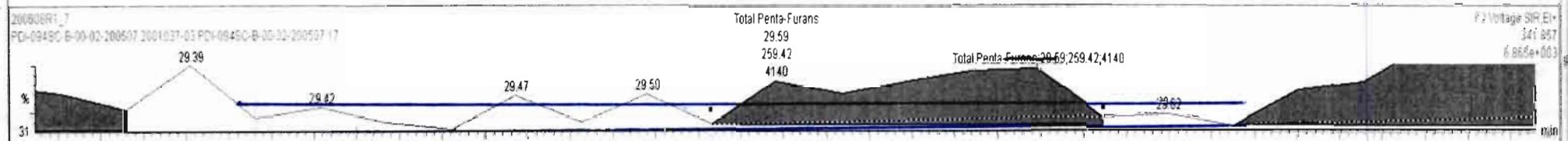
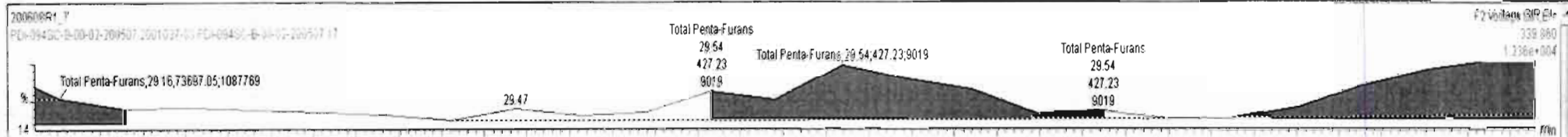
Name	Resp	RA	n/y	RRF	w/Aol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.138			184		0.384	184
46 Total Hexa-Furans				0.9341	10.138			206		0.403	207

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	3.101e3	2.116e3	1.47	NO	1.7405	1.7405
2 Total Penta-Furans	29.16	7.370e4	4.635e4	1.59	NO	40.045	40.045
3 Total Penta-Furans	29.76	8.820e3	5.579e3	1.58	NO	4.8029	4.8029
4 Total Penta-Furans	29.97	1.261e4	8.545e3	1.48	NO	7.0573	7.0573
5 1,2,3,7,8-PeCDF	30.15	1.264e5	7.967e4	1.59	NO	66.626	66.626
6 Total Penta-Furans	30.43	4.190e4	2.637e4	1.59	NO	22.775	22.775
7 Total Penta-Furans	31.04	9.403e2	5.908e2	1.59	NO	0.51074	0.51074
8 2,3,4,7,8-PeCDF	31.15	4.549e4	2.816e4	1.62	NO	24.228	24.228
9 Total Penta-Furans	31.16	2.581e4	1.615e4	1.60	NO	14.028	14.028
10 Total Penta-Furans	31.42	5.186e2	4.387e2	1.18	YES	0.28461	0.00000
11 Total Penta-Furans	32.08	3.443e3	2.414e3	1.43	NO	1.9536	1.9536



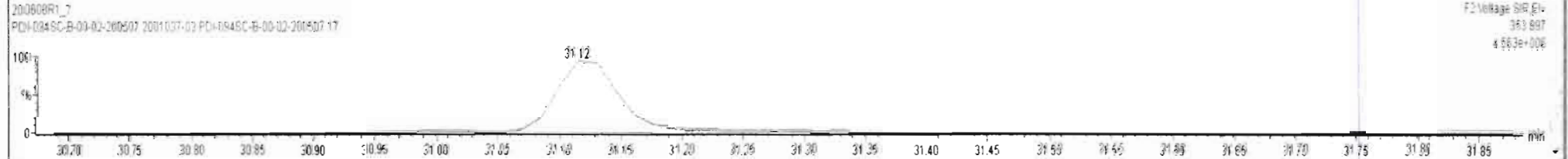
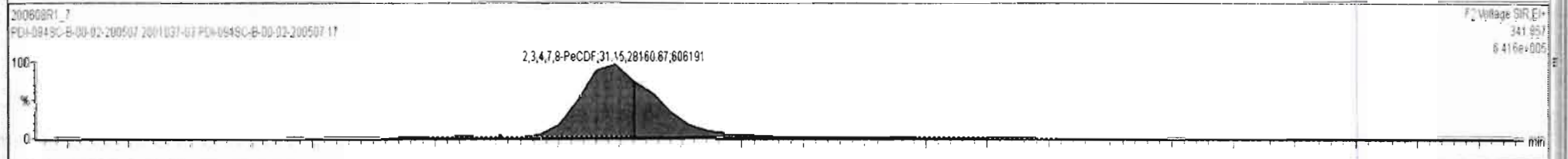
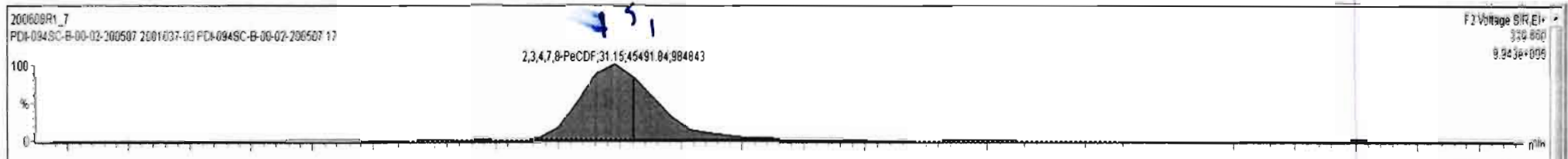
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.138			184		0.384	185
46 Total Hexa-Furans				0.9341	10.138			206		0.403	207

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	3.101e3	2.116e3	1.47	NO	1.7405	1.7405
2 Total Penta-Furans	29.16	7.370e4	4.635e4	1.59	NO	40.045	40.045
3 Total Penta-Furans	29.54	4.272e2	2.594e2	1.65	NO	0.22905	0.22905
4 Total Penta-Furans	29.76	8.820e3	5.579e3	1.58	NO	4.8029	4.8029
5 Total Penta-Furans	29.97	1.261e4	8.545e3	1.46	NO	7.0573	7.0573
6 1,2,3,7,8-PeCDF	30.15	1.264e5	7.967e4	1.59	NO	66.628	66.628
7 Total Penta-Furans	30.43	4.190e4	2.637e4	1.59	NO	22.775	22.775
8 Total Penta-Furans	31.04	9.403e2	5.906e2	1.59	NO	0.51074	0.51074
9 2,3,4,7,8-PeCDF	31.15	7.136e4	4.434e4	1.61	NO	38.060	38.060
10 Total Penta-Furans	31.42	5.522e2	5.036e2	1.10	YES	0.30301	0.00000
11 Total Penta-Furans	32.08	3.443e3	2.414e3	1.43	NO	1.9536	1.9536
12 Total Penta-Furans	32.20	1.491e3	8.196e2	1.82	YES	0.69735	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.07e3	0.73	NO	0.8883	10.138	26.47	1.001	0.795		0.163	0.795
2 1,2,3,7,8-PeCDD	1.43e3	0.68	NO	0.9081	10.138	31.45	1.001	0.750		0.176	0.750
3 1,2,3,4,7,8-HxCDD	9.33e2	1.28	NO	1.0334	10.138	34.81	1.001	0.681		0.370	0.681

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	3.101e3	2.116e3	1.47	NO	1.7405	1.7405
2 Total Penta-Furans	29.16	7.370e4	4.635e4	1.59	NO	40.045	40.045
3 Total Penta-Furans	29.76	8.820e3	5.579e3	1.58	NO	4.8029	4.8029
4 Total Penta-Furans	29.97	1.261e4	8.545e3	1.48	NO	7.0573	7.0573
5 1,2,3,7,8-PeCDF	30.15	1.264e5	7.967e4	1.59	NO	66.628	66.628
6 Total Penta-Furans	30.43	4.190e4	2.637e4	1.59	NO	22.775	22.775
7 Total Penta-Furans	31.04	9.403e2	5.909e2	1.59	NO	0.51074	0.51074
8 2,3,4,7,8-PeCDF	31.15	4.549e4	2.816e4	1.62	NO	24.228	24.228
9 Total Penta-Furans	31.16	2.594e4	1.609e4	1.61	NO	14.020	14.020
10 Total Penta-Furans	31.42	5.186e2	4.387e2	1.18	YES	0.28461	0.00000
11 Total Penta-Furans	32.08	3.443e3	2.414e3	1.43	NO	1.9536	1.9536

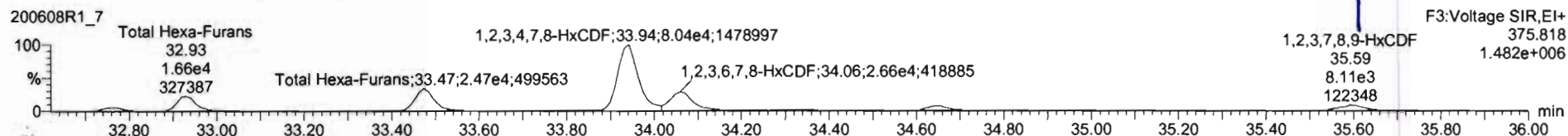
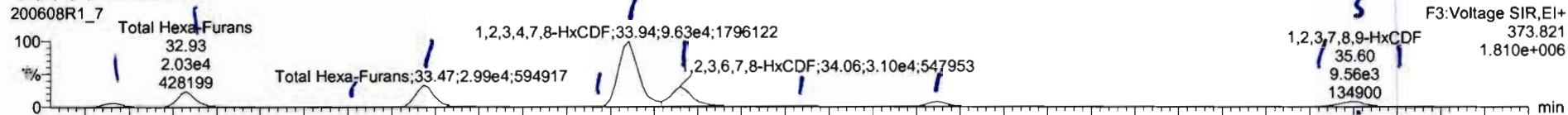


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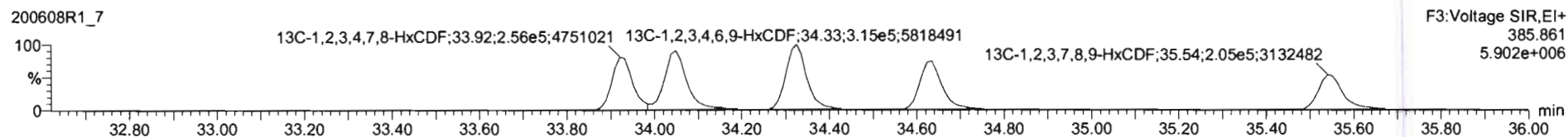
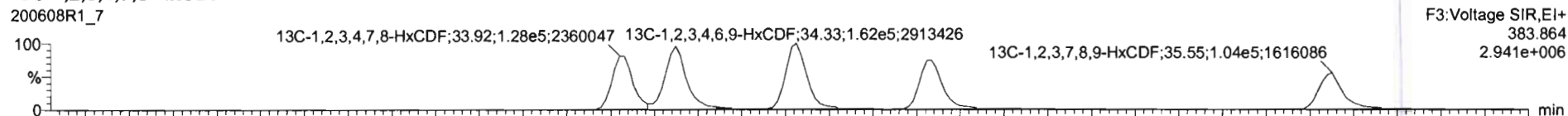
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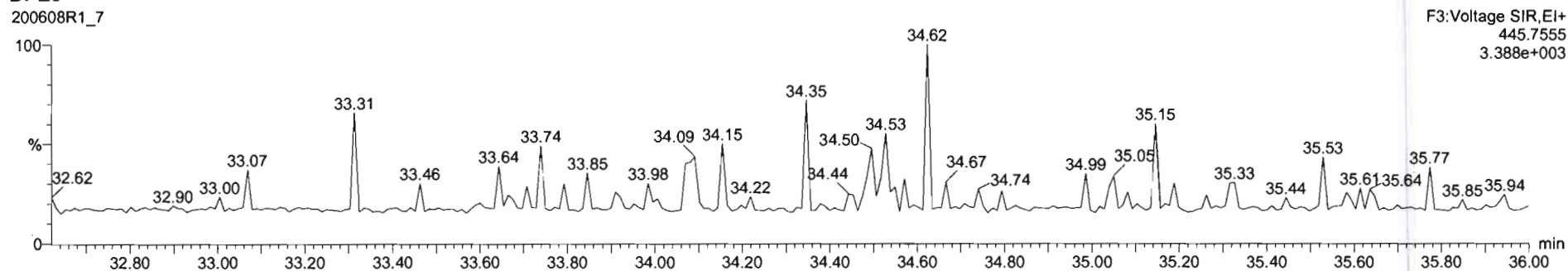
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13C-1,2,3,4,7,8-HxCDF

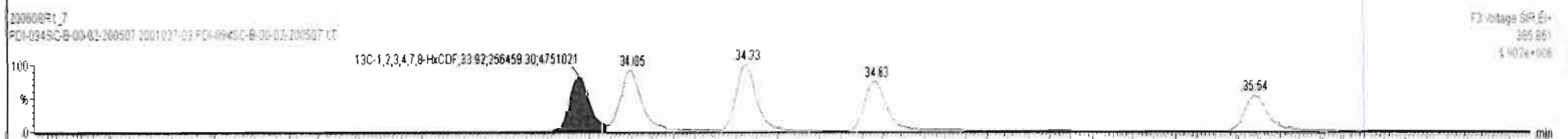
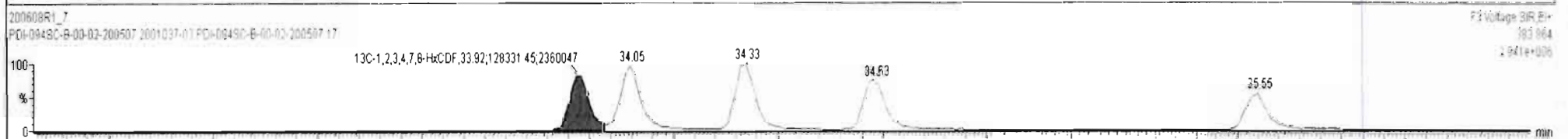
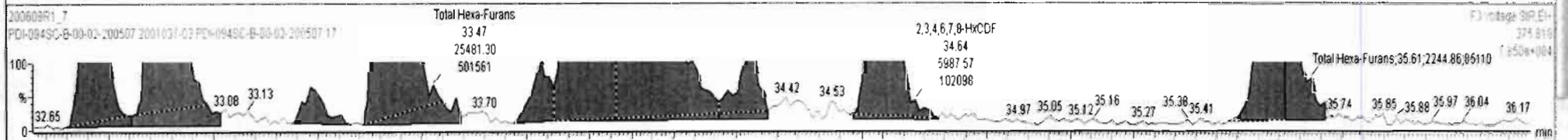
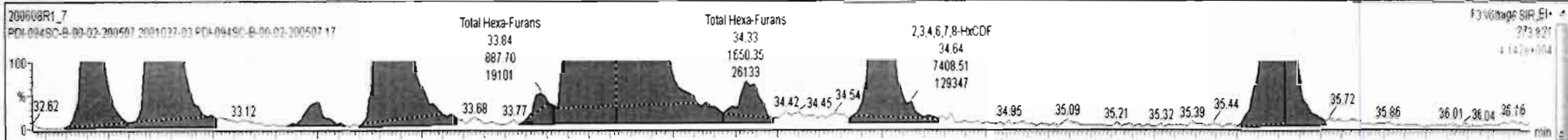


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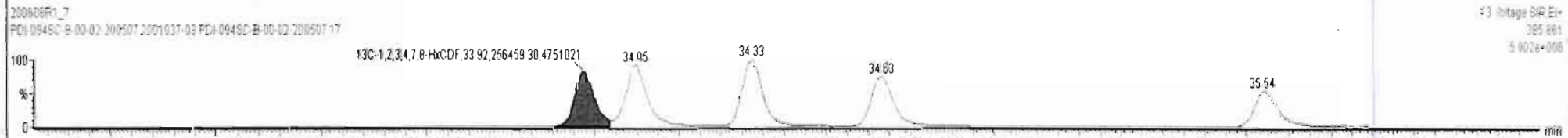
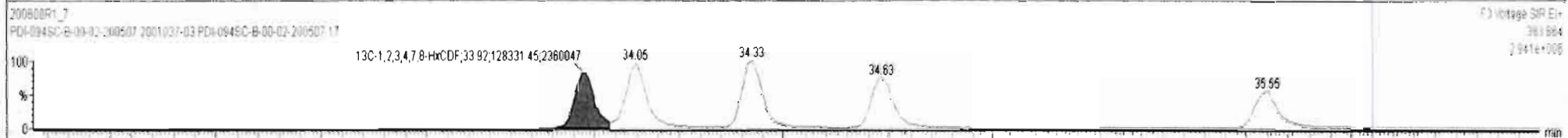
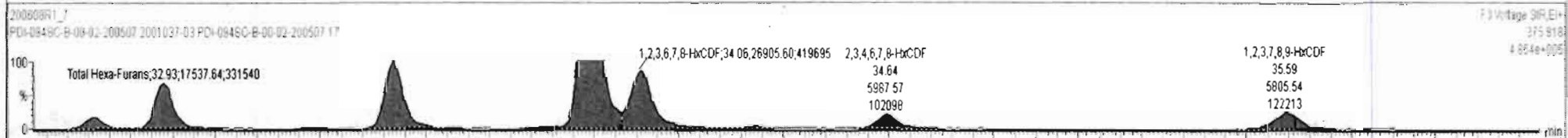
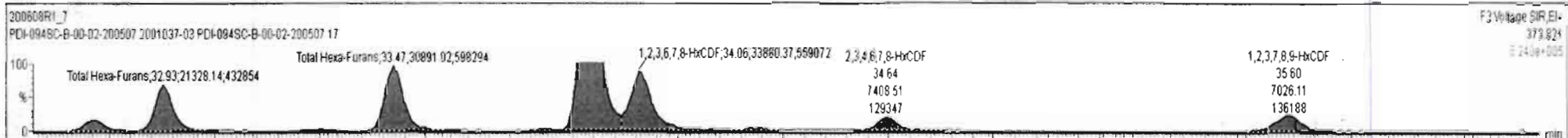
Name	Resp	RA	nLy	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Pento-Furans				0.8925	10.138			184		0.384	184
46 Total Hexa-Furans				0.9341	10.138			212		0.403	212

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Hexa-Furans	32.77	5.554e3	4.570e3	1.22	NO	5.5018	5.5018
2 Total Hexa-Furans	32.93	2.133e4	1.754e4	1.22	NO	21.121	21.121
3 Total Hexa-Furans	33.30	7.547e2	5.652e2	1.34	NO	0.71729	0.71729
4 Total Hexa-Furans	33.47	3.089e4	2.548e4	1.21	NO	30.635	30.635
5 Total Hexa-Furans	33.64	8.677e2	8.344e2	1.06	NO	0.93585	0.93585
6 1,2,3,4,7,8-HxCDF	33.94	9.787e4	8.050e4	1.22	NO	103.39	103.39
7 1,2,3,6,7,8-HxCDF	34.06	3.388e4	2.691e4	1.26	NO	28.813	28.813
8 Total Hexa-Furans	34.33	1.650e3	1.234e3	1.34	NO	1.5672	1.5672
9 2,3,4,6,7,8-HxCDF	34.64	7.409e3	5.988e3	1.24	NO	7.2053	7.2053
10 1,2,3,7,8,9-HxCDF	35.60	7.026e3	5.806e3	1.21	NO	6.4098	6.4098
11 Total Hexa-Furans	35.61	2.817e3	2.245e3	1.25	NO	2.7507	2.7507



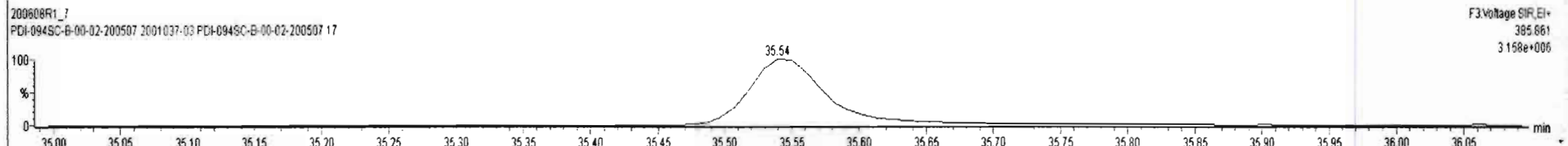
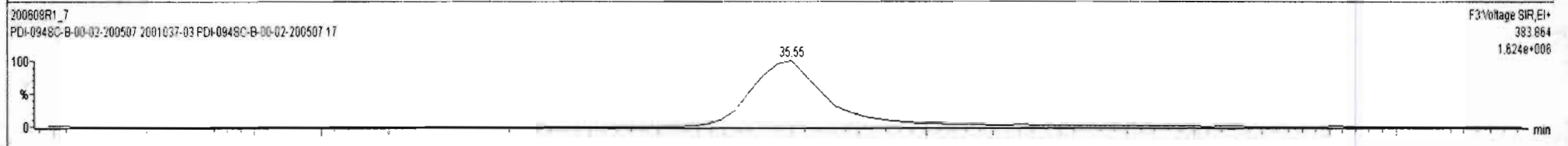
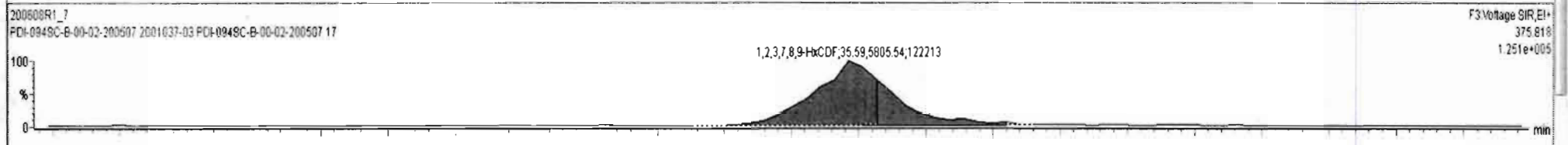
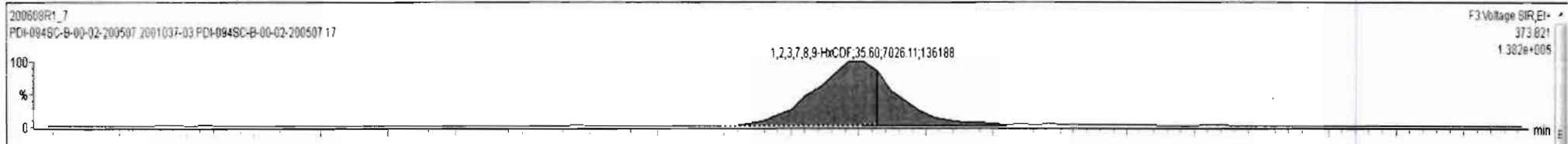
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.138			184		0.384	184
46 Total Hexa-Furans				0.9341	10.138			212		0.403	212

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.77	5.554e3	4.570e3	1.22	NO	5.5018	5.5018
2 Total Hexa-Furans	32.93	2.133e4	1.754e4	1.22	NO	21.121	21.121
3 Total Hexa-Furans	33.30	7.547e2	5.652e2	1.34	NO	0.71729	0.71729
4 Total Hexa-Furans	33.47	3.089e4	2.548e4	1.21	NO	30.635	30.635
5 Total Hexa-Furans	33.84	8.877e2	8.344e2	1.06	NO	0.93585	0.93585
6 1,2,3,4,7,8-HxCDF	33.94	9.787e4	8.050e4	1.22	NO	103.39	103.39
7 1,2,3,6,7,8-HxCDF	34.06	3.388e4	2.891e4	1.26	NO	26.813	26.813
8 Total Hexa-Furans	34.33	1.650e3	1.234e3	1.34	NO	1.5672	1.5672
9 2,3,4,6,7,8-HxCDF	34.64	7.409e3	5.988e3	1.24	NO	7.2053	7.2053
10 1,2,3,7,8,9-HxCDF	35.60	7.026e3	5.806e3	1.21	NO	9.4098	9.4098
11 Total Hexa-Furans	35.61	2.817e3	2.245e3	1.25	NO	2.7507	2.7507



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8825	10.138			184		0.384	184
46 Total Hexa-Furans				0.9341	10.138			206		0.403	206

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.77	5.361e3	4.304e3	1.25	NO	5.2527	5.2527
2 Total Hexa-Furans	32.93	2.029e4	1.662e4	1.22	NO	20.061	20.061
3 Total Hexa-Furans	33.30	7.547e2	5.652e2	1.34	NO	0.71729	0.71729
4 Total Hexa-Furans	33.47	2.989e4	2.471e4	1.21	NO	29.672	29.672
5 Total Hexa-Furans	33.83	3.085e2	8.344e2	0.37	YES	0.30290	0.00000
6 1,2,3,4,7,8-HxCDF	33.94	9.634e4	8.045e4	1.20	NO	102.47	102.47
7 1,2,3,6,7,8-HxCDF	34.06	3.102e4	2.662e4	1.17	NO	27.319	27.319
8 Total Hexa-Furans	34.33	1.100e3	1.011e3	1.09	NO	1.1474	1.1474
9 2,3,4,6,7,8-HxCDF	34.65	6.790e3	5.775e3	1.18	NO	6.7587	6.7587
10 1,2,3,7,8,9-HxCDF	35.60	7.026e3	5.806e3	1.21	NO	9.4098	9.4098
11 Total Hexa-Furans	35.61	2.798e3	2.245e3	1.25	NO	2.7407	2.7407



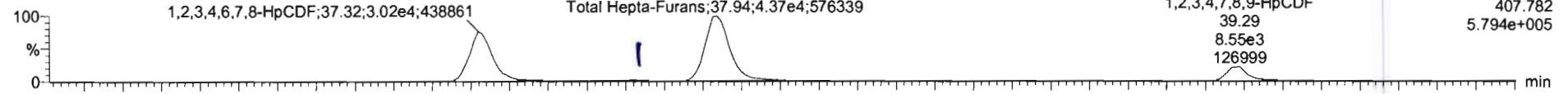
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

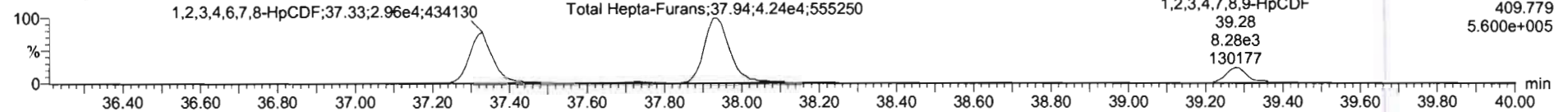
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200608R1_7



F4:Voltage SIR,EI+
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5.794e+005

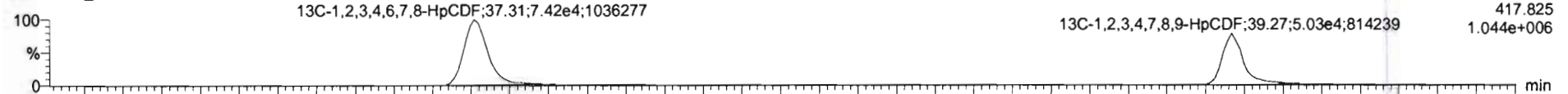
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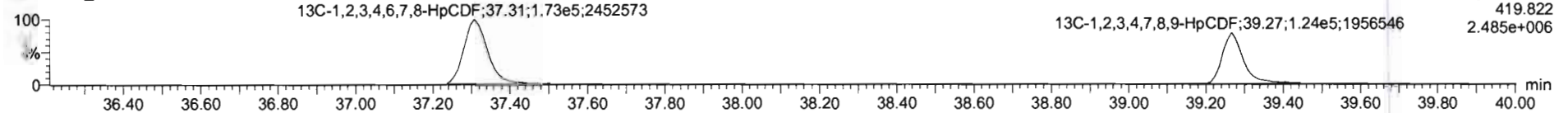
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200608R1_7



F4:Voltage SIR,EI+
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1.044e+006

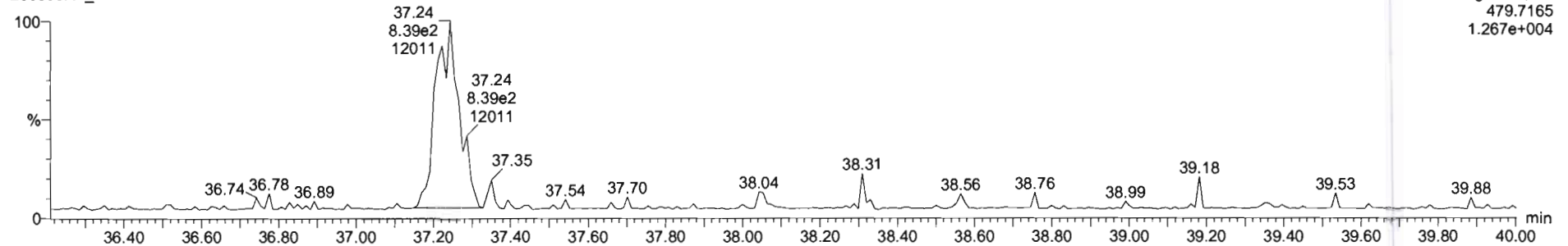
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F4:Voltage SIR,EI+
419.822
2.485e+006

DPE4

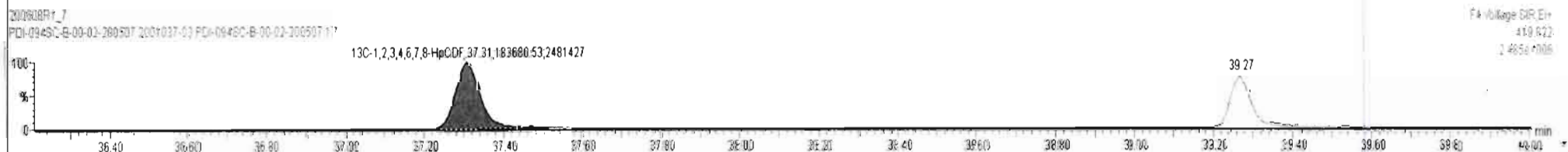
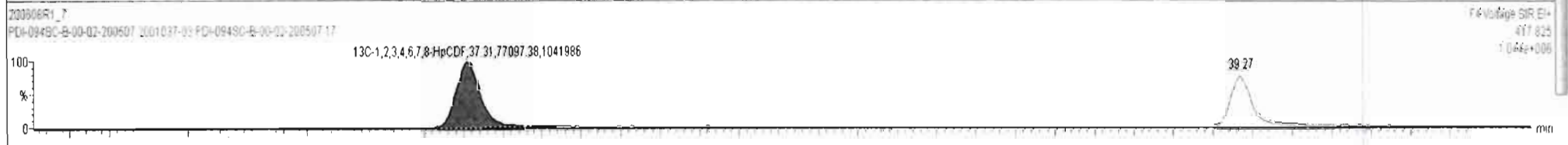
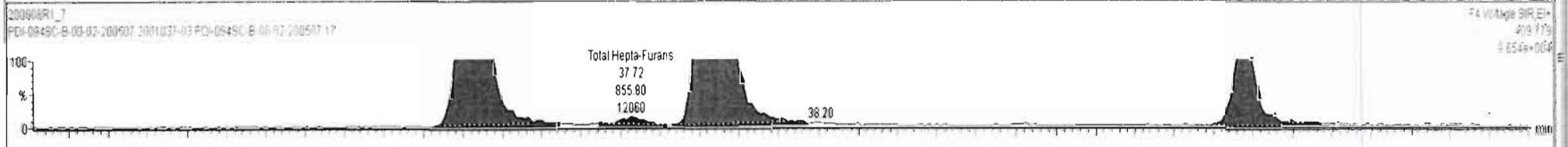
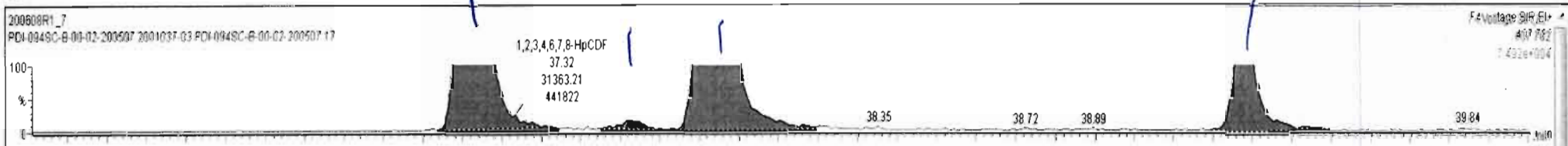
200608R1_7



F4:Voltage SIR,EI+
479.7165
1.267e+004

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
47 Total Hepta-Furans				0.8734	10.138			166		0.736	166
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.32	3.136e4	3.111e4	1.01	NO	54.107	54.107
2 Total Hepta-Furans	37.72	8.962e2	8.558e2	1.05	NO	1.8214	1.8214
3 Total Hepta-Furans	37.94	4.419e4	4.350e4	1.02	NO	91.058	91.058
4 1,2,3,4,7,8,9-HpCDF	39.28	8.817e3	8.810e3	0.98	NO	19.481	19.481

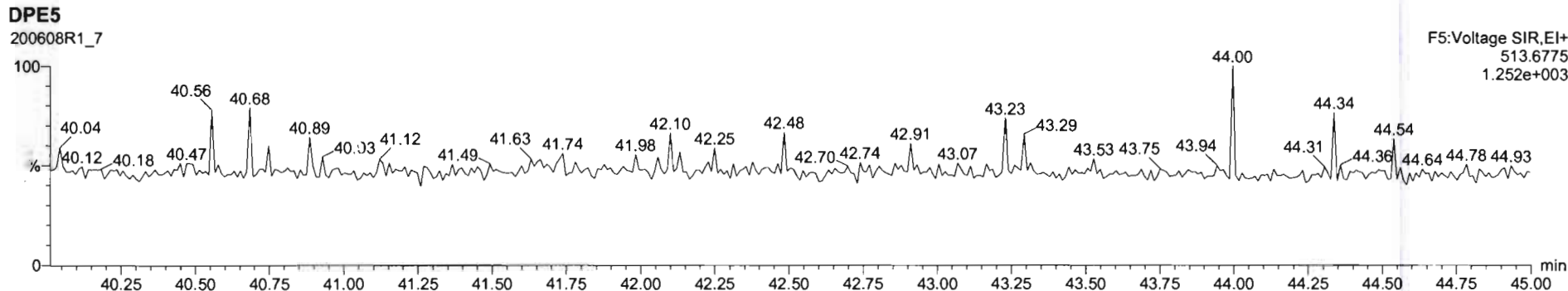
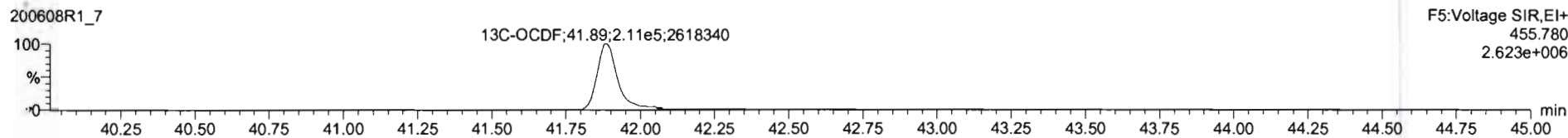
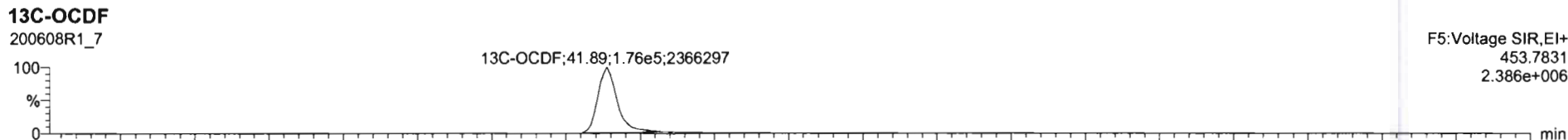
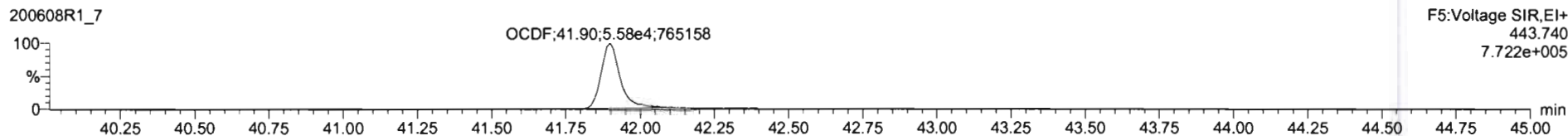
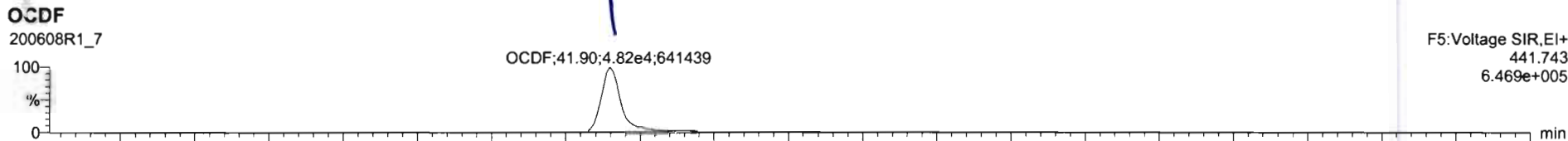


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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

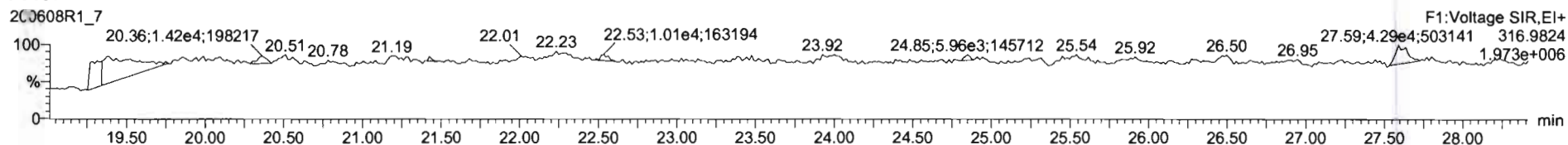


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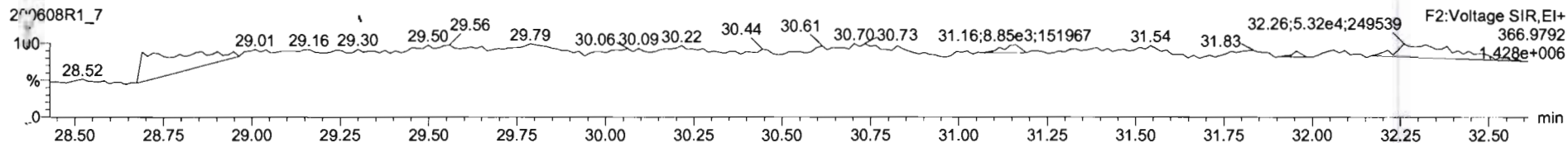
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_7, Date: 08-Jun-2020, Time: 16:22:09, ID: 2001037-03 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

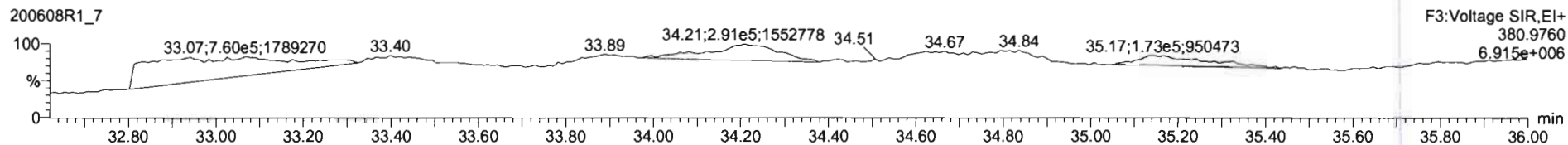
PFK1



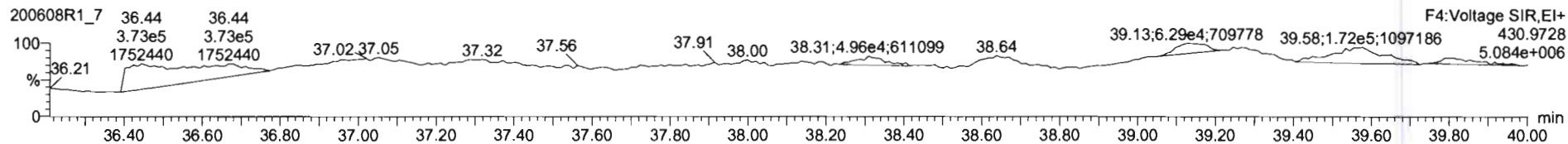
PFK2



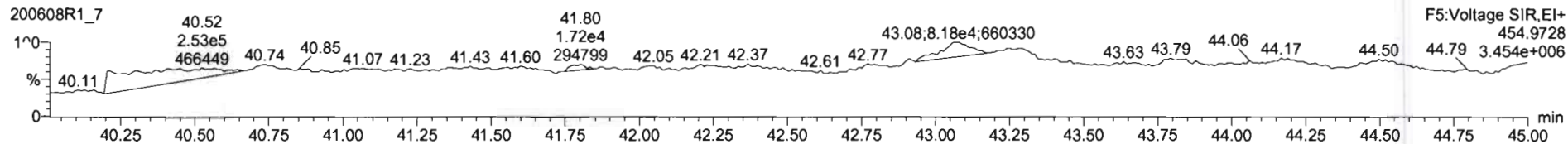
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-8b.qld

Last Altered: Thursday, June 11, 2020 09:52:42 Pacific Daylight Time
Printed: Thursday, June 11, 2020 10:05:09 Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.109 ✓	26.486		1.001				0.0840	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.109	31.457		1.001				0.112	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.109	34.803		1.000				0.186	
4	4 1,2,3,6,7,8-HxCDD	1.90e3	0.97	YES	0.892	10.109	34.900	34.92	1.000	1.001	0.75590		0.187	0.708
5	5 1,2,3,7,8,9-HxCDD	6.15e2	1.52	YES	0.887	10.109	35.199	35.20	1.000	1.000	0.30426		0.113	0.270
6	6 1,2,3,4,6,7,8-HpCDD	8.40e4	1.00	NO	0.864	10.109	38.724	38.73	1.000	1.001	53.463		0.582	53.5
7	7 OCDD	6.76e5	0.88	NO	0.914	10.109	41.706	41.72	1.000	1.000	536.78		0.990	537
8	8 2,3,7,8-TCDF	2.78e4	0.76	NO	0.751	10.109	25.581	25.57	1.001	1.001	7.5017	ok	0.163	7.50
9	9 1,2,3,7,8-PeCDF	4.33e4	1.57	NO	0.893	10.109	30.159	30.15	1.001	1.001	10.525		0.130	10.5
10	10 2,3,4,7,8-PeCDF	2.01e4	1.51	NO	0.935	10.109	31.149	31.15	1.001	1.000	4.8399		0.119	4.84
11	11 1,2,3,4,7,8-HxCDF	4.33e4	1.22	NO	0.884	10.109	33.931	33.94	1.000	1.000	16.865		0.194	16.9
12	12 1,2,3,6,7,8-HxCDF	1.37e4	1.16	NO	0.889	10.109	34.058	34.06	1.000	1.000	4.5605		0.177	4.56
13	13 2,3,4,6,7,8-HxCDF	3.43e3	1.26	NO	0.934	10.109	34.669	34.64	1.001	1.000	1.2227		0.197	1.22
14	14 1,2,3,7,8,9-HxCDF	1.92e3	1.26	NO	0.871	10.109	35.549	35.59	1.000	1.001	0.92430		0.296	0.924
15	15 1,2,3,4,6,7,8-HpCDF	2.63e4	0.99	NO	0.873	10.109	37.344	37.32	1.001	1.000	14.585		0.322	14.6
16	16 1,2,3,4,7,8,9-HpCDF	4.42e3	1.04	NO	1.01	10.109	39.277	39.29	1.000	1.000	3.0542		0.357	3.05
17	17 OCDF	3.73e4	0.85	NO	0.806	10.109	41.897	41.91	1.000	1.000	28.255		0.236	28.3
18	18 13C-2,3,7,8-TCDD	7.30e5	0.80	NO	1.16	10.109	26.476	26.45	1.026	1.026	168.37	85.1	0.280	
19	19 13C-1,2,3,7,8-PeCDD	5.90e5	0.62	NO	0.849	10.109	31.656	31.43	1.227	1.219	185.28	93.6	0.306	
20	20 13C-1,2,3,4,7,8-HxCDD	4.02e5	1.29	NO	0.779	10.109	34.809	34.79	1.014	1.014	158.84	80.3	0.896	
21	21 13C-1,2,3,6,7,8-HxCDD	5.29e5	1.29	NO	1.02	10.109	34.922	34.90	1.017	1.017	160.24	81.0	0.686	
22	22 13C-1,2,3,7,8,9-HxCDD	4.51e5	1.23	NO	0.903	10.109	35.193	35.19	1.025	1.025	153.75	77.7	0.773	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.60e5	1.05	NO	0.689	10.109	38.715	38.71	1.128	1.128	160.63	81.2	0.467	
24	24 13C-OCDD	5.46e5	0.90	NO	0.652	10.109	41.736	41.71	1.216	1.215	257.48	65.1	0.568	
25	25 13C-2,3,7,8-TCDF	9.78e5	0.78	NO	1.06	10.109	25.519	25.56	0.989	0.991	159.44	80.6	0.375	
26	26 13C-1,2,3,7,8-PeCDF	9.13e5	1.60	NO	0.838	10.109	30.041	30.14	1.165	1.168	188.05	95.0	0.622	
27	27 13C-2,3,4,7,8-PeCDF	8.80e5	1.61	NO	0.817	10.109	30.993	31.13	1.202	1.207	186.02	94.0	0.638	
28	28 13C-1,2,3,4,7,8-HxCDF	5.74e5	0.51	NO	1.01	10.109	33.941	33.93	0.989	0.989	175.28	88.6	0.654	
29	29 13C-1,2,3,6,7,8-HxCDF	6.68e5	0.51	NO	1.17	10.109	34.064	34.05	0.992	0.992	176.09	89.0	0.565	
30	30 13C-2,3,4,6,7,8-HxCDF	5.94e5	0.51	NO	1.02	10.109	34.637	34.63	1.009	1.009	178.80	90.4	0.645	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-8b.qld

Last Altered: Thursday, June 11, 2020 09:52:42 Pacific Daylight Time

Printed: Thursday, June 11, 2020 10:05:09 Pacific Daylight Time

Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.71e5	0.51	NO	0.860	10.109	35.537	35.55	1.035	1.036	168.72	85.3	0.767	
32	13C-1,2,3,4,6,7,8-HpCDF	4.08e5	0.43	NO	0.774	10.109	37.284	37.31	1.086	1.087	162.15	82.0	0.522	
33	13C-1,2,3,4,7,8,9-HpCDF	2.83e5	0.41	NO	0.521	10.109	39.312	39.28	1.145	1.144	167.13	84.5	0.775	
34	13C-OCDF	6.48e5	0.87	NO	0.746	10.109	41.907	41.90	1.221	1.221	267.25	67.5	0.518	
35	37Cl-2,3,7,8-TCDD	2.92e5			1.04	10.109	26.507	26.47	1.028	1.026	74.989	94.8	0.0566	
36	13C-1,2,3,4-TCDD	7.42e5	0.82	NO	1.00	10.109	25.890	25.80	1.000	1.000	197.85	100	0.324	
37	13C-1,2,3,4-TCDF	1.15e6	0.79	NO	1.00	10.109	24.360	24.10	1.000	1.000	197.85	100	0.397	
38	13C-1,2,3,4,6,9-HxCDF	6.43e5	0.51	NO	1.00	10.109	34.420	34.33	1.000	1.000	197.85	100	0.659	
39	Total Tetra-Dioxins				0.888	10.109	24.620		0.000		0.47945		0.0840	0.479
40	Total Penta-Dioxins				0.908	10.109	29.960		0.000		0.75314		0.112	0.753
41	Total Hexa-Dioxins				0.892	10.109	33.635		0.000		9.3486		0.204	10.3
42	Total Hepta-Dioxins				0.864	10.109	37.640		0.000		120.95		0.582	121
43	Total Tetra-Furans				0.751	10.109	23.610		0.000		22.539		0.163	22.9
44	1st Func. Penta-Furans				0.893	10.109	27.580		0.000		3.7277		0.0312	3.73
45	Total Penta-Furans				0.893	10.109	29.275		0.000		29.314		0.127	29.3
46	Total Hexa-Furans				0.934	10.109	33.555		0.000		34.609		0.202	34.8
47	Total Hepta-Furans				0.873	10.109	37.835		0.000		36.926		0.360	36.9

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-8b.qld

Last Altered: Thursday, June 11, 2020 09:52:42 Pacific Daylight Time

Printed: Thursday, June 11, 2020 10:05:09 Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.41	9.323e3	1.223e4	6.715e2	9.006e2	0.75	NO	1.572e3	0.47945	0.47945	0.0840

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.21	7.305e3	1.201e4	4.347e2	7.690e2	0.57	NO	1.204e3	0.44450	0.44450	0.112
2	Total Penta-Dioxins	30.20	6.309e3	8.377e3	3.149e2	5.209e2	0.60	NO	8.358e2	0.30864	0.30864	0.112

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	9.494e4	8.174e4	4.932e3	4.085e3	1.21	NO	9.017e3	4.3391	4.3391	0.204
2	Total Hexa-Dioxins	33.87	8.527e3	1.039e4	5.885e2	5.314e2	1.11	NO	1.120e3	0.53889	0.53889	0.204
3	Total Hexa-Dioxins	34.13	6.720e4	5.648e4	5.147e3	4.144e3	1.24	NO	9.291e3	4.4707	4.4707	0.204
4	1,2,3,6,7,8-HxCDD	34.92	1.354e4	1.491e4	9.351e2	9.650e2	0.97	YES	1.900e3	0.00000	0.70754	0.187
5	1,2,3,7,8,9-HxCDD	35.20	7.130e3	3.858e3	3.714e2	2.437e2	1.52	YES	6.151e2	0.00000	0.26998	0.213

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	6.933e5	6.426e5	5.380e4	5.221e4	1.03	NO	1.060e5	67.491	67.491	0.582
2	1,2,3,4,6,7,8-HpCDD	38.73	5.344e5	5.294e5	4.204e4	4.193e4	1.00	NO	8.397e4	53.463	53.463	0.582

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-8b.qld

Last Altered: Thursday, June 11, 2020 09:52:42 Pacific Daylight Time

Printed: Thursday, June 11, 2020 10:05:09 Pacific Daylight Time

Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.84	6.264e3	5.741e3	3.438e2	4.239e2	0.81	NO	7.677e2	0.20680	0.20680	0.163
2	Total Tetra-Furans	21.42	1.715e4	2.990e4	1.604e3	2.262e3	0.71	NO	3.866e3	1.0415	1.0415	0.163
3	Total Tetra-Furans	22.02	6.097e3	7.892e3	7.299e2	8.196e2	0.89	YES	0.000e0	0.00000	0.39081	0.163
4	Total Tetra-Furans	22.41	3.521e4	4.287e4	3.071e3	4.430e3	0.69	NO	7.501e3	2.0207	2.0207	0.163
5	Total Tetra-Furans	22.91	1.795e4	1.907e4	1.589e3	1.919e3	0.83	NO	3.508e3	0.94504	0.94504	0.163
6	Total Tetra-Furans	24.00	9.820e3	1.484e4	7.969e2	1.184e3	0.67	NO	1.981e3	0.53353	0.53353	0.163
7	Total Tetra-Furans	24.12	1.345e4	1.583e4	1.156e3	1.420e3	0.81	NO	2.576e3	0.69390	0.69390	0.163
8	Total Tetra-Furans	24.63	1.341e5	1.783e5	1.117e4	1.452e4	0.77	NO	2.569e4	6.9199	6.9199	0.163
9	Total Tetra-Furans	24.94	8.073e3	8.301e3	5.360e2	7.258e2	0.74	NO	1.262e3	0.33991	0.33991	0.163
10	Total Tetra-Furans	25.48	1.526e4	2.801e4	1.003e3	1.478e3	0.68	NO	2.481e3	0.66823	0.66823	0.163
11	2,3,7,8-TCDF	25.57	1.505e5	2.147e5	1.200e4	1.585e4	0.76	NO	2.785e4	7.5017	7.5017	0.163
12	Total Tetra-Furans	25.96	7.838e3	1.164e4	6.109e2	9.202e2	0.66	NO	1.531e3	0.41246	0.41246	0.163
13	Total Tetra-Furans	27.14	3.294e3	5.724e3	2.425e2	3.053e2	0.79	NO	5.478e2	0.14757	0.14757	0.163
14	Total Tetra-Furans	27.28	7.727e3	7.141e3	4.178e2	4.963e2	0.84	NO	9.141e2	0.24625	0.24625	0.163
15	Total Tetra-Furans	27.59	2.046e4	2.601e4	1.436e3	1.761e3	0.82	NO	3.196e3	0.86110	0.86110	0.163

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	1.405e5	8.935e4	9.063e3	6.009e3	1.51	NO	1.507e4	3.7277	3.7277	0.0312

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-8b.qld

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Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.02	7.965e3	4.649e3	4.732e2	2.695e2	1.76	NO	7.427e2	0.18369	0.18369	0.127
2	Total Penta-Furans	29.18	2.079e5	1.410e5	1.436e4	9.309e3	1.54	NO	2.367e4	5.8539	5.8539	0.127
3	Total Penta-Furans	29.76	2.781e4	1.581e4	2.223e3	1.348e3	1.65	NO	3.571e3	0.88307	0.88307	0.127
4	Total Penta-Furans	29.97	5.121e4	3.068e4	2.868e3	1.796e3	1.60	NO	4.663e3	1.1534	1.1534	0.127
5	1,2,3,7,8-PeCDF	30.15	4.612e5	2.896e5	2.651e4	1.683e4	1.57	NO	4.334e4	10.525	10.525	0.130
6	Total Penta-Furans	30.43	1.628e5	9.654e4	1.003e4	6.126e3	1.64	NO	1.616e4	3.9964	3.9964	0.127
7	2,3,4,7,8-PeCDF	31.15	2.219e5	1.486e5	1.211e4	8.013e3	1.51	NO	2.012e4	4.8399	4.8399	0.119
8	Total Penta-Furans	31.18	1.388e5	9.221e4	4.061e3	2.459e3	1.65	NO	6.520e3	1.6125	1.6125	0.127
9	Total Penta-Furans	32.09	1.297e4	7.535e3	6.794e2	3.974e2	1.71	NO	1.077e3	0.26631	0.26631	0.127

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.77	3.477e4	2.952e4	1.900e3	1.479e3	1.29	NO	3.379e3	1.2413	1.2413	0.202
2	Total Hexa-Furans	32.93	1.220e5	9.376e4	6.436e3	5.190e3	1.24	NO	1.163e4	4.2704	4.2704	0.202
3	Total Hexa-Furans	33.47	1.233e5	1.012e5	6.789e3	5.500e3	1.23	NO	1.229e4	4.5142	4.5142	0.202
4	Total Hexa-Furans	33.83	7.732e3	5.704e3	3.595e2	2.060e2	1.74	YES	0.000e0	0.00000	0.16952	0.202
5	1,2,3,4,7,8-HxCDF	33.94	4.427e5	3.453e5	2.378e4	1.948e4	1.22	NO	4.326e4	16.865	16.865	0.194
6	1,2,3,6,7,8-HxCDF	34.06	1.113e5	9.377e4	7.352e3	6.334e3	1.16	NO	1.369e4	4.5605	4.5605	0.177
7	2,3,4,6,7,8-HxCDF	34.64	3.193e4	2.333e4	1.913e3	1.514e3	1.26	NO	3.427e3	1.2227	1.2227	0.197
8	1,2,3,7,8,9-HxCDF	35.59	3.252e4	2.505e4	1.069e3	8.479e2	1.26	NO	1.917e3	0.92430	0.92430	0.296
9	Total Hexa-Furans	35.60	3.771e4	2.510e4	1.567e3	1.184e3	1.32	NO	2.751e3	1.0104	1.0104	0.202

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.32	1.646e5	1.621e5	1.306e4	1.321e4	0.99	NO	2.627e4	14.585	14.585	0.322
2	Total Hepta-Furans	37.95	1.811e5	1.842e5	1.467e4	1.474e4	1.00	NO	2.942e4	19.287	19.287	0.360
3	1,2,3,4,7,8,9-HpCDF	39.29	3.490e4	3.269e4	2.251e3	2.173e3	1.04	NO	4.424e3	3.0542	3.0542	0.357

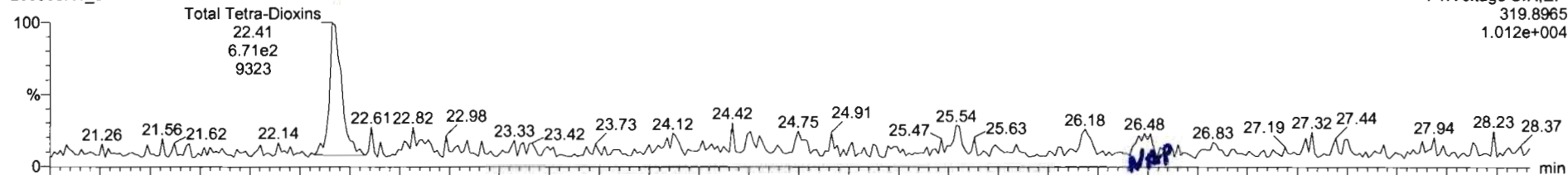
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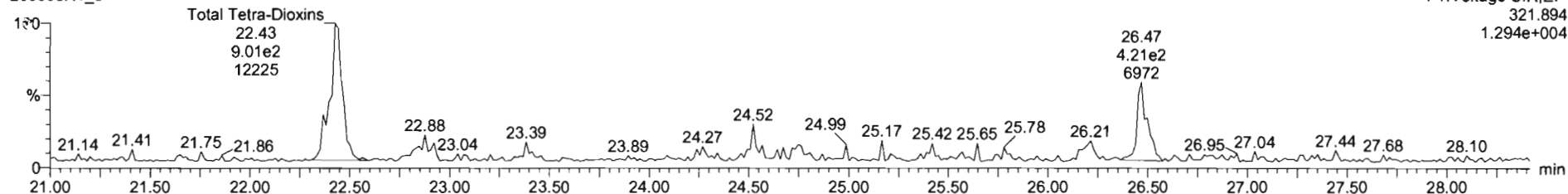
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2,3,7,8-TCDD

200608R1_8

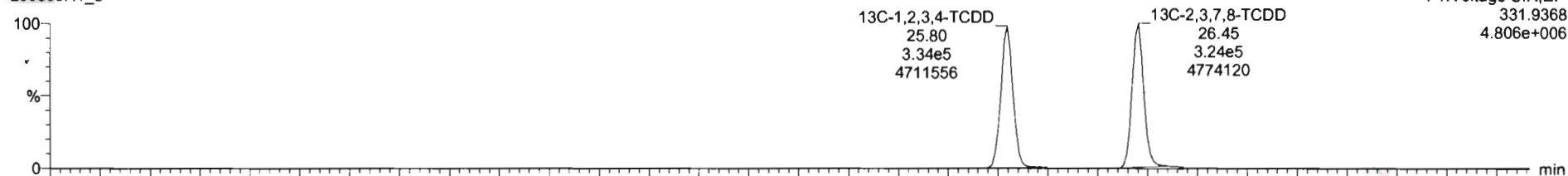


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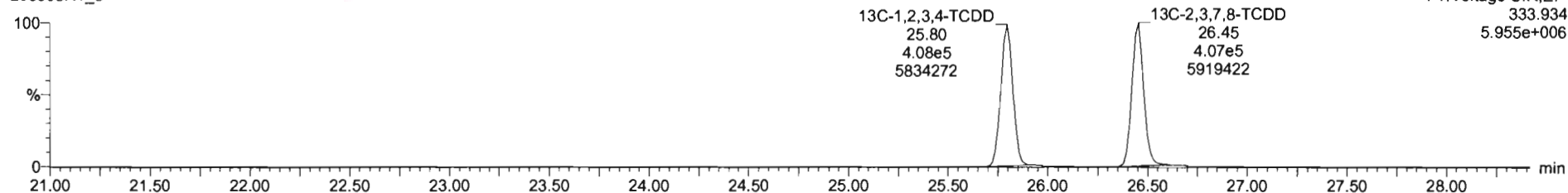


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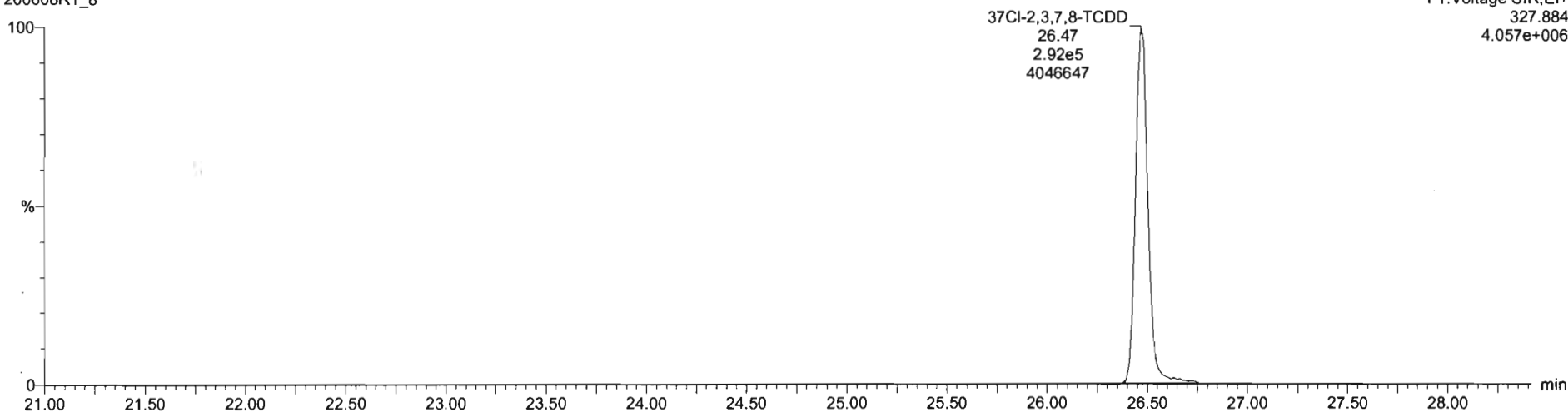


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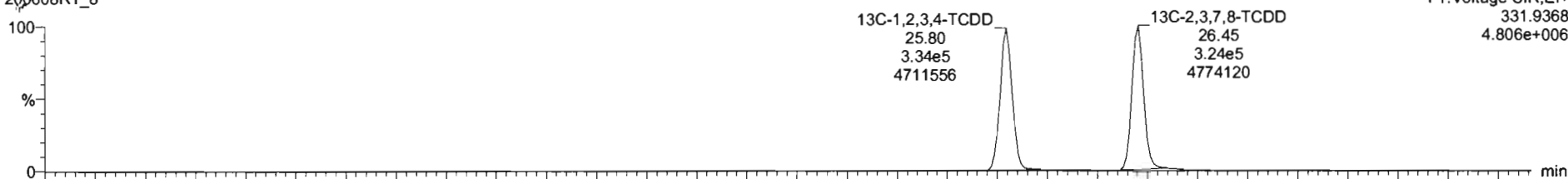
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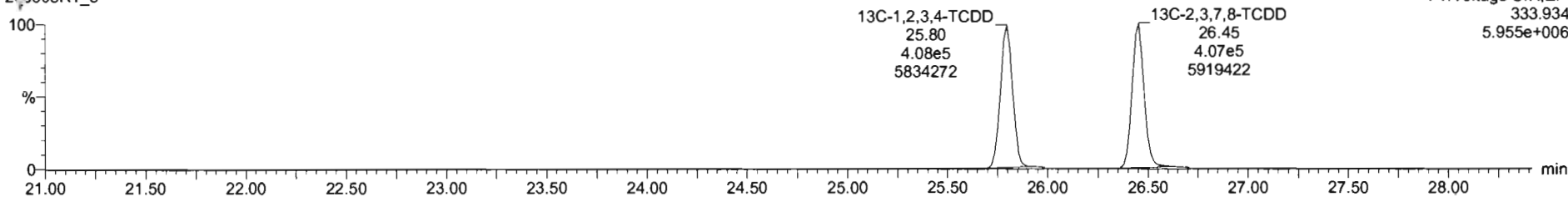
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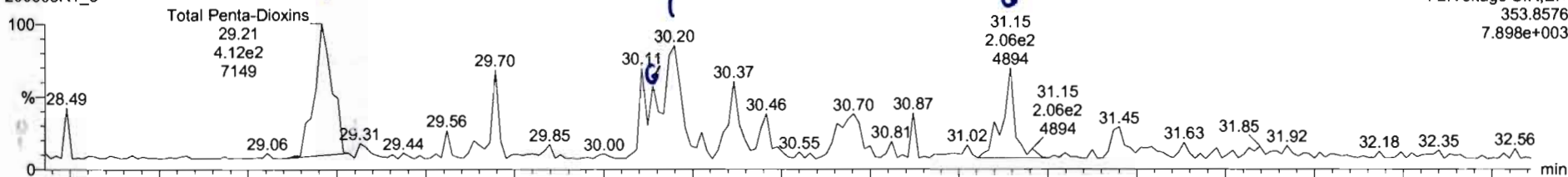
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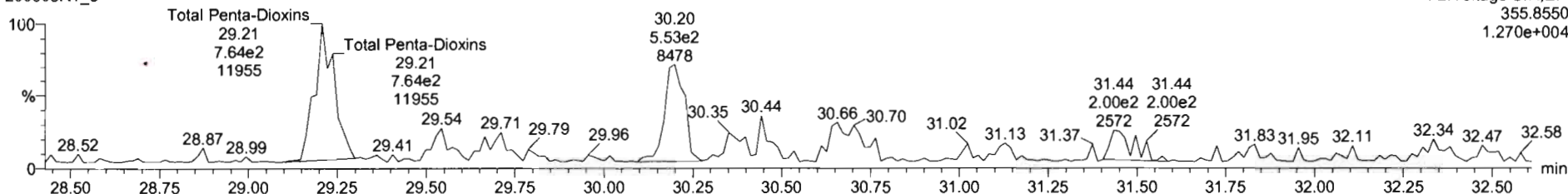
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1,2,3,7,8-PeCDD

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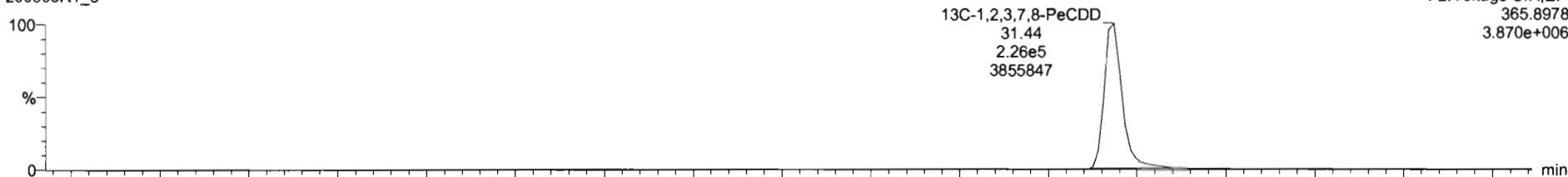


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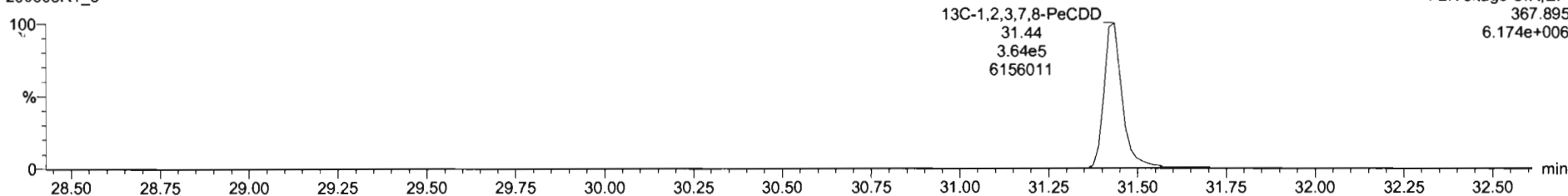


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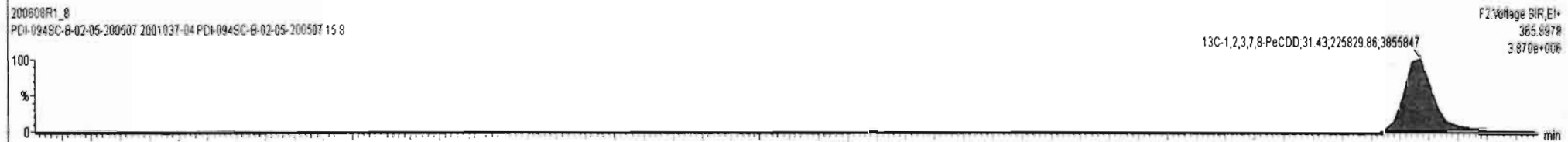
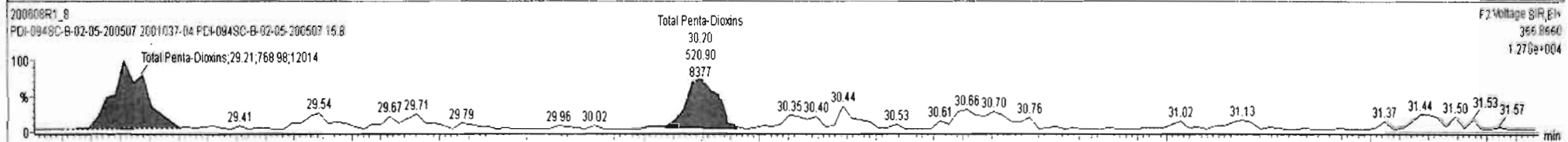
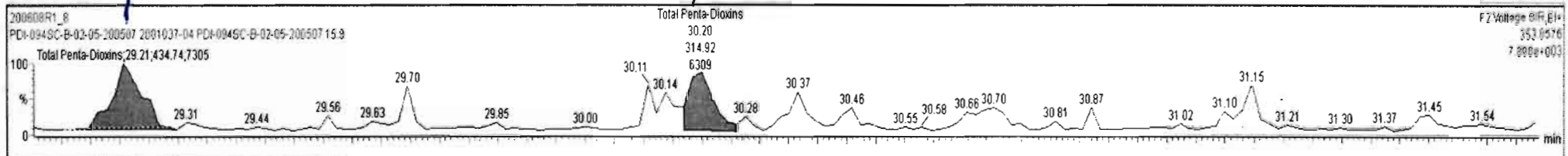


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Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.109			0.479		0.0840	0.479
40 Total Penta-Dioxins				0.9081	10.109			0.753		0.112	0.753
41 Total Hexa-Dioxins				0.8923	10.109			9.35		0.204	10.0
42 Total Hepta-Dioxins				0.8639	10.109			122		0.571	122

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.21	4.347e2	7.690e2	0.57	NO	0.44450	0.44450
2 Total Penta-Dioxins	30.20	3.149e2	5.209e2	0.60	NO	0.30864	0.30864



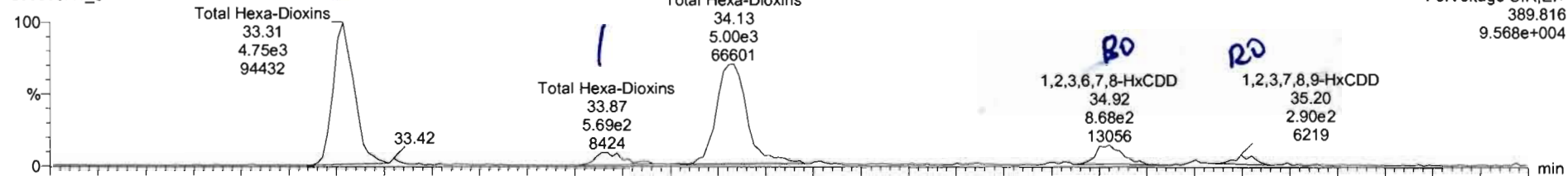
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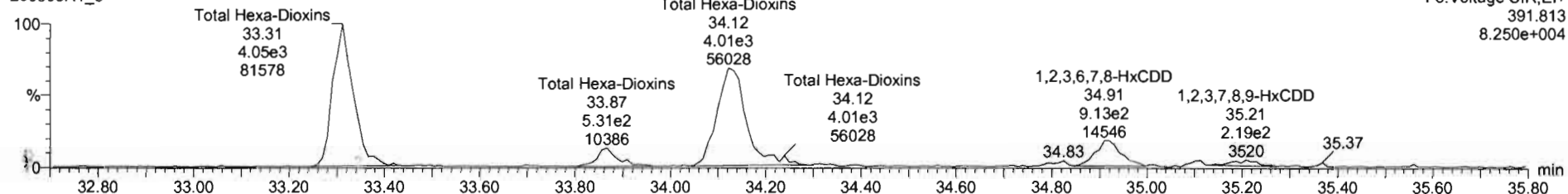
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1,2,3,4,7,8-HxCDD

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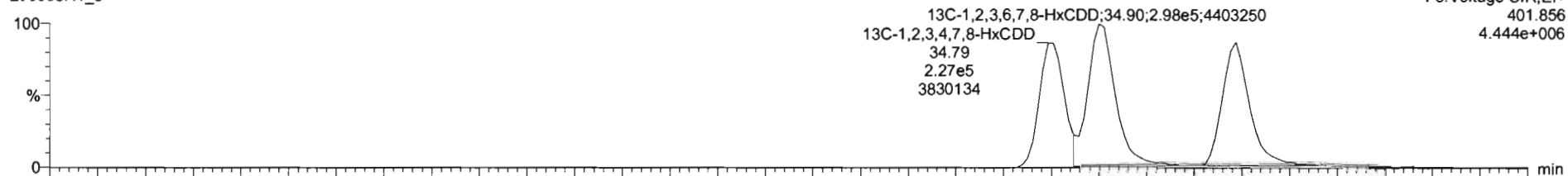


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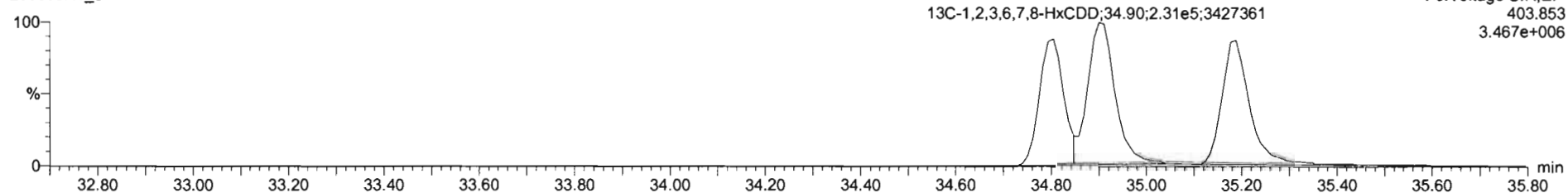


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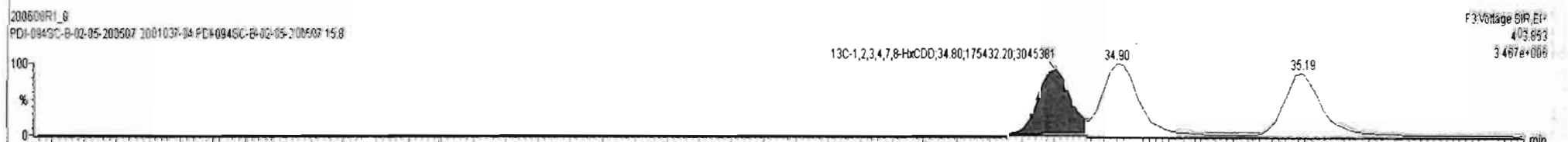
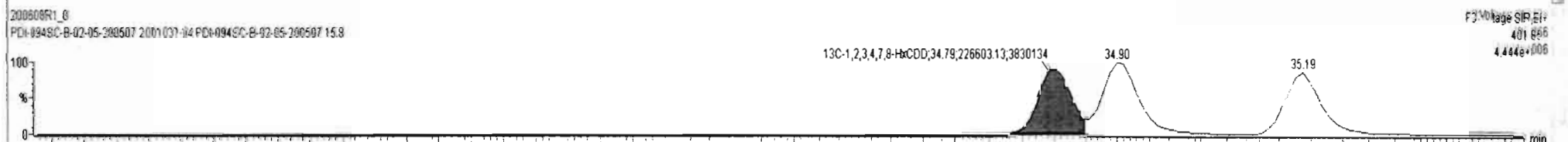
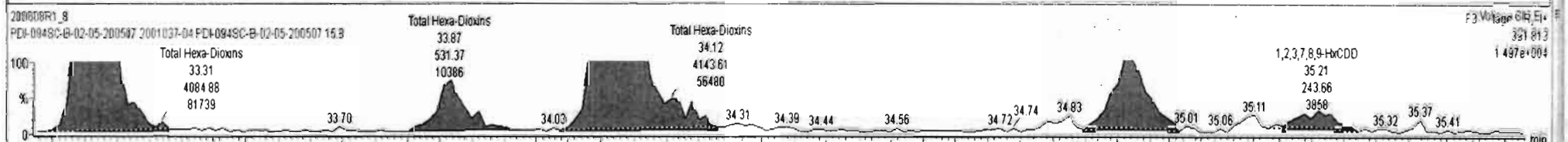
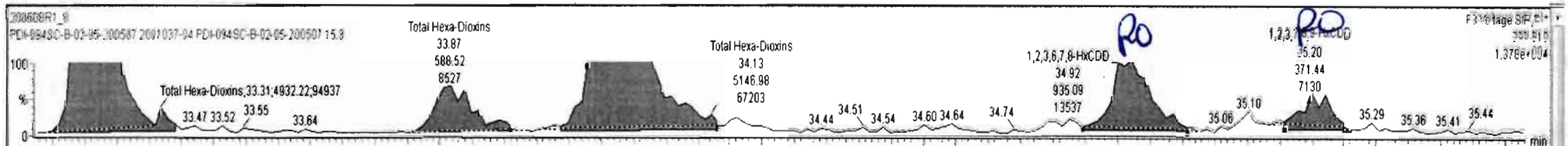


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Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.109			0.479		0.0840	0.479
40 Total Penta-Dioxins				0.9081	10.109			0.753		0.112	0.753
41 Total Hexa-Dioxins				0.8923	10.109			9.35		0.204	10.3
42 Total Hepta-Dioxins				0.8639	10.109			1.22		0.571	1.22

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	4.932e3	4.085e3	1.21	NO	4.3391	4.3391
2 Total Hexa-Dioxins	33.87	5.685e2	5.314e2	1.11	NO	0.53889	0.53889
3 Total Hexa-Dioxins	34.13	5.147e3	4.144e3	1.24	NO	4.4707	4.4707
4 1,2,3,6,7,8-HxCDD	34.82	9.351e2	9.650e2	0.97	YES	0.70754	0.00000
5 1,2,3,7,8,9-HxCDD	35.20	3.714e2	2.437e2	1.52	YES	0.26998	0.00000



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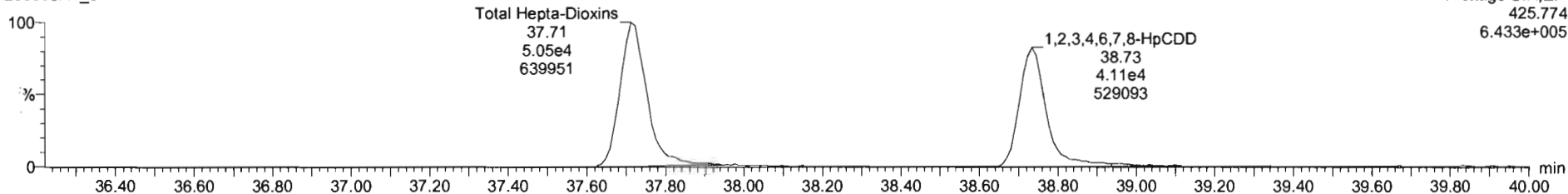
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1,2,3,4,6,7,8-HpCDD

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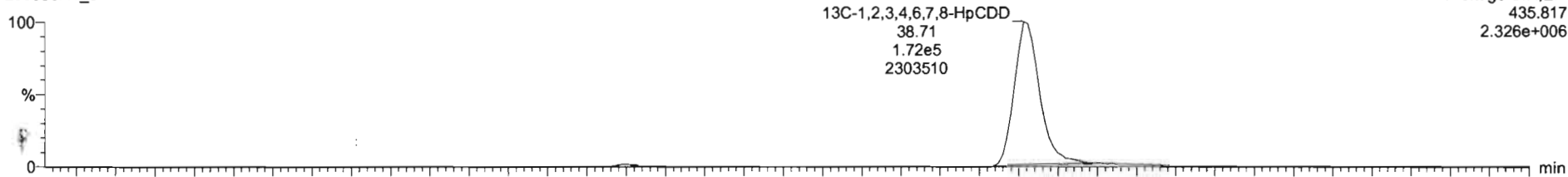


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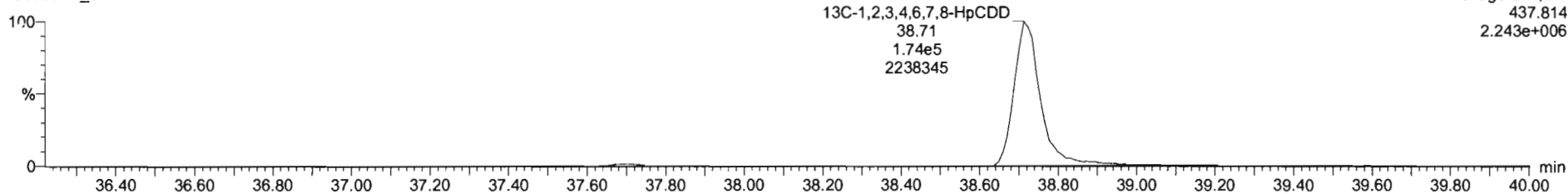


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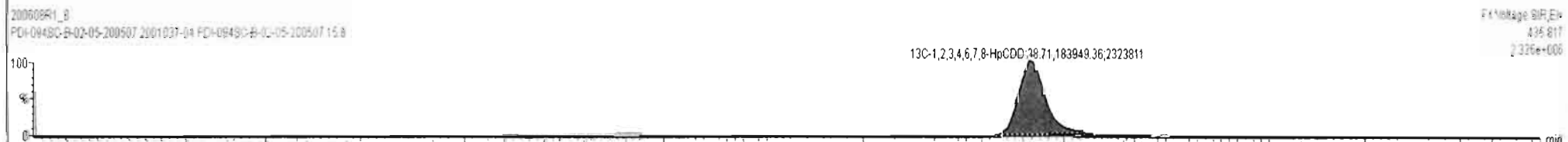
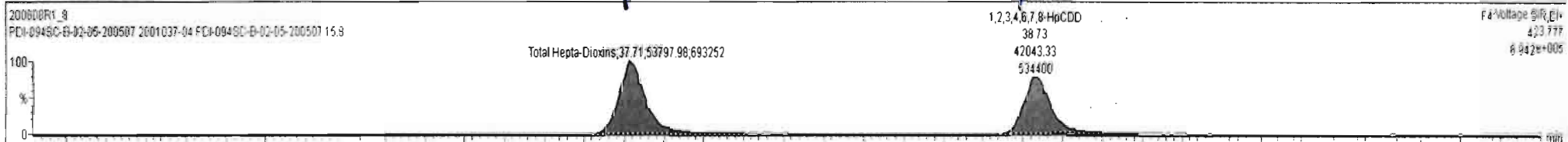


200608R1_8



Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.109			0.479		0.0840	0.479
40 Total Penta-Dioxins				0.9081	10.109			0.753		0.112	0.753
41 Total Hexa-Dioxins				0.8923	10.109			9.35		0.204	10.3
42 Total Hepta-Dioxins				0.8639	10.109			121		0.582	121

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	5.380e4	5.221e4	1.03	NO	67.491	67.491
2 1,2,3,4,6,7,8-HpCDD	38.73	4.204e4	4.193e4	1.00	NO	53.463	53.463



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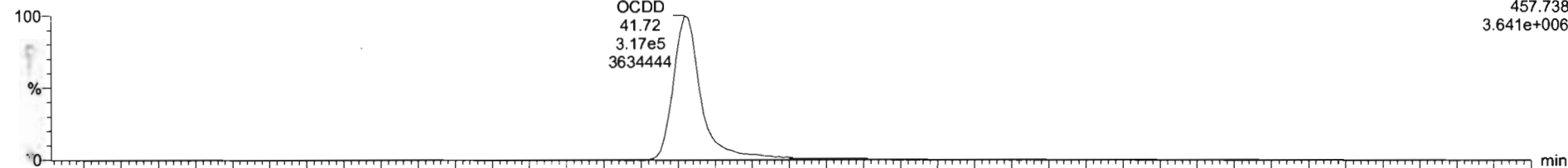
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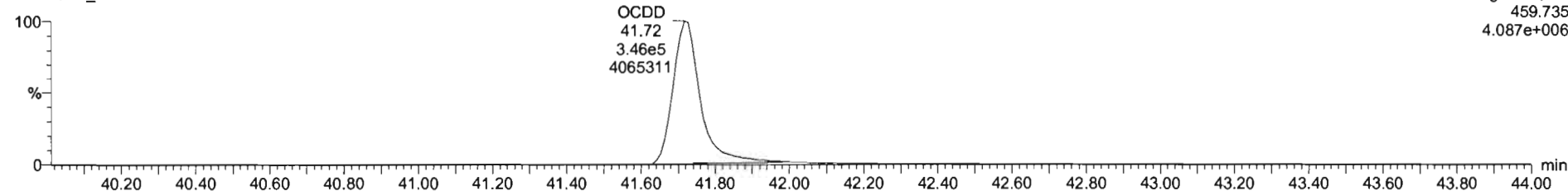
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OCDD

200608R1_8

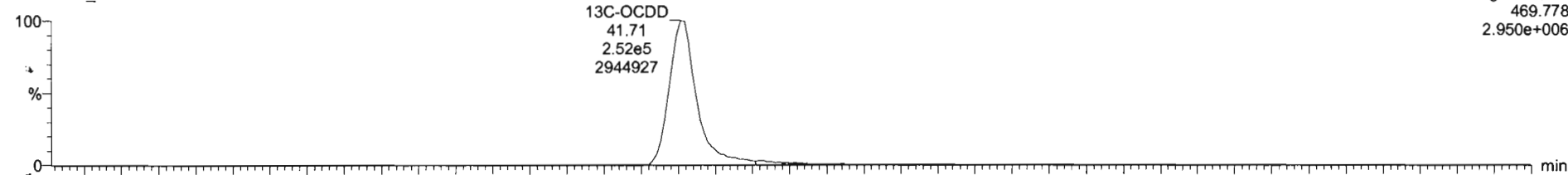


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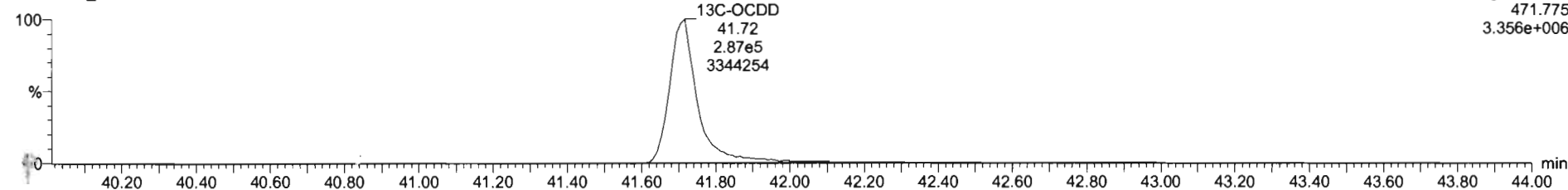


13C-OCDD

200608R1_8



200608R1_8



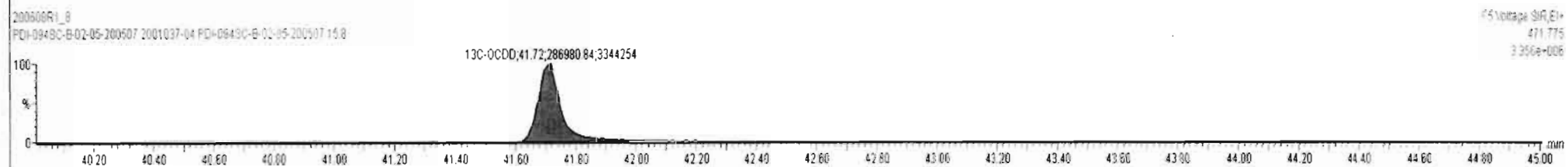
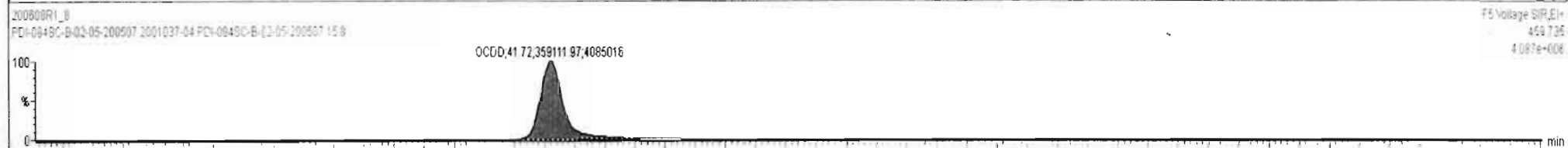
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200608R1_8 - 2001037-04 PDI-0949C-B-02-05-200507 15.8 - FDI-0949C-B-02-05-200507

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	6.76e5	0.88	NO	0.9136	10.109	41.72	1.000	537	0.990	537
8	2,3,7,8-TCDF	2.78e4	0.76	NO	0.7510	10.109	25.57	1.001	7.50	0.163	7.50

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

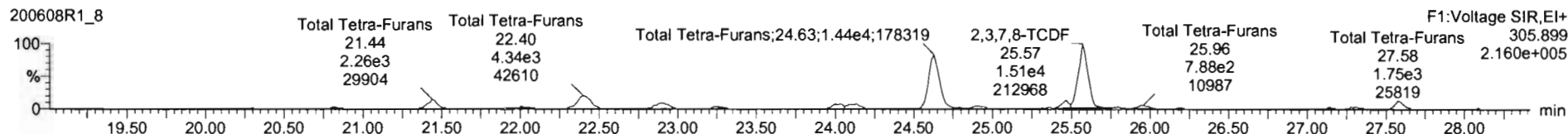
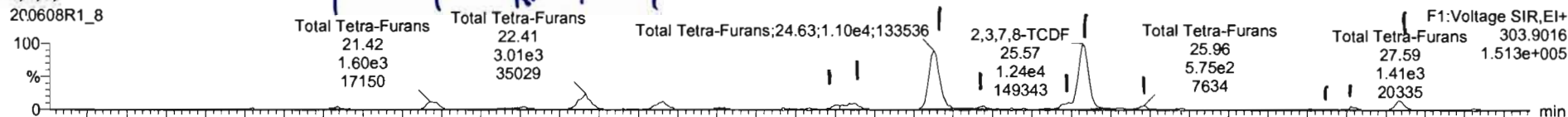


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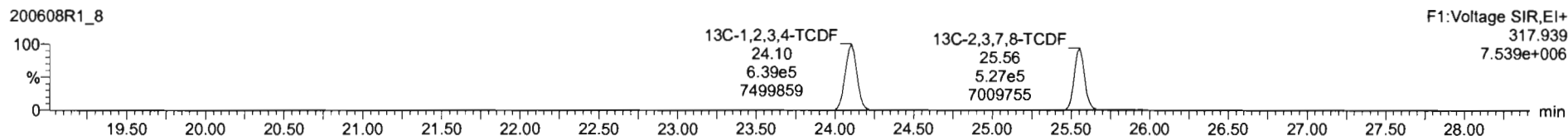
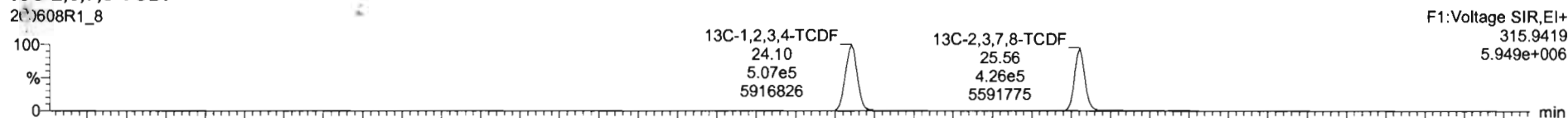
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Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

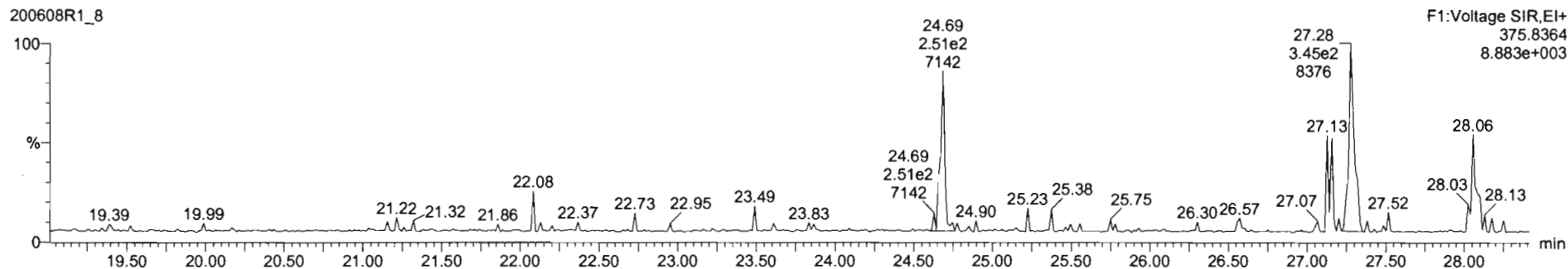
2,3,7,8-TCDF



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

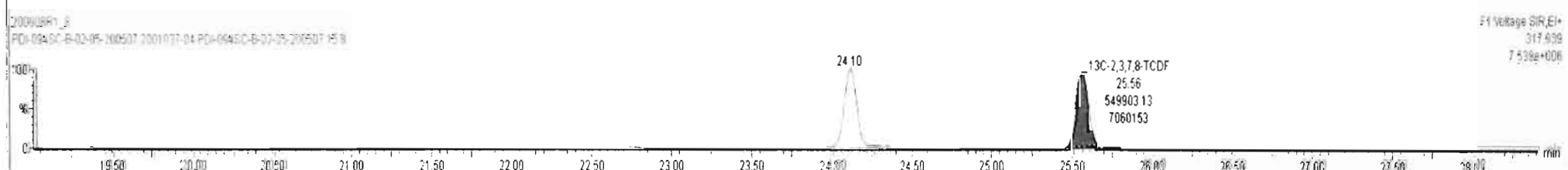
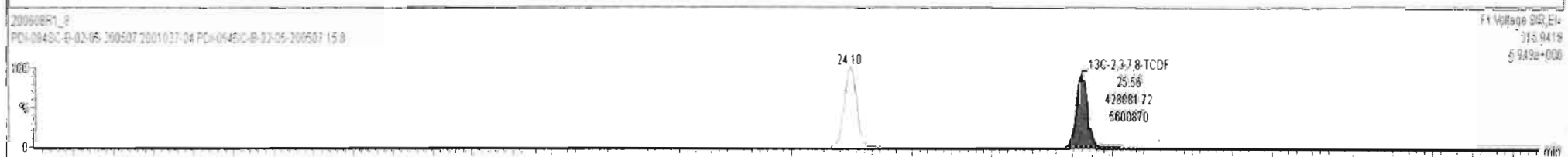
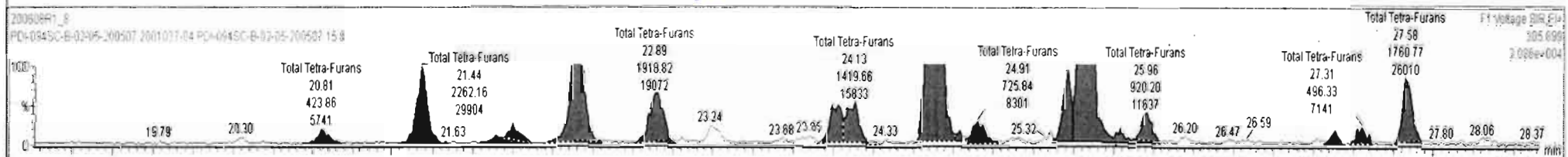
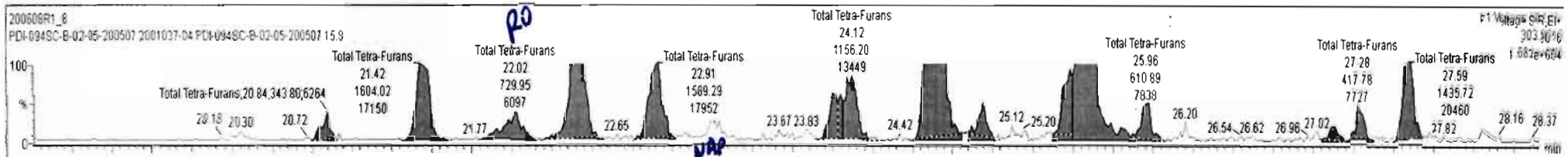


DPE1



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.109			22.5		0.163	22.9
44 1st Func. Penta-Furans				0.8925	10.109			3.78		0.0313	3.78

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.84	3.438e2	4.239e2	0.81	NO	0.20680	0.20680
2 Total Tetra-Furans	21.42	1.604e3	2.262e3	0.71	NO	1.0415	1.0415
3 Total Tetra-Furans	22.02	7.299e2	8.196e2	0.89	YES	0.39081	0.00000
4 Total Tetra-Furans	22.41	3.071e3	4.430e3	0.69	NO	2.0207	2.0207
5 Total Tetra-Furans	22.81	1.589e3	1.919e3	0.83	NO	0.94504	0.94504
6 Total Tetra-Furans	24.00	7.969e2	1.184e3	0.67	NO	0.53353	0.53353
7 Total Tetra-Furans	24.12	1.156e3	1.420e3	0.81	NO	0.69390	0.69390
8 Total Tetra-Furans	24.63	1.117e4	1.452e4	0.77	NO	6.9199	6.9199
9 Total Tetra-Furans	24.94	5.360e2	7.258e2	0.74	NO	0.33991	0.33991
10 Total Tetra-Furans	25.48	1.003e3	1.474e3	0.68	NO	0.66720	0.66720
11 2,3,7,8-TCDF	25.57	1.200e4	1.585e4	0.76	NO	7.5017	7.5017
12 Total Tetra-Furans	25.96	6.109e2	9.202e2	0.66	NO	0.41246	0.41246
13 Total Tetra-Furans	27.14	2.425e2	3.053e2	0.79	NO	0.14757	0.14757
14 Total Tetra-Furans	27.28	4.178e2	4.963e2	0.84	NO	0.24625	0.24625
15 Total Tetra-Furans	27.59	1.436e3	1.761e3	0.82	NO	0.86110	0.86110



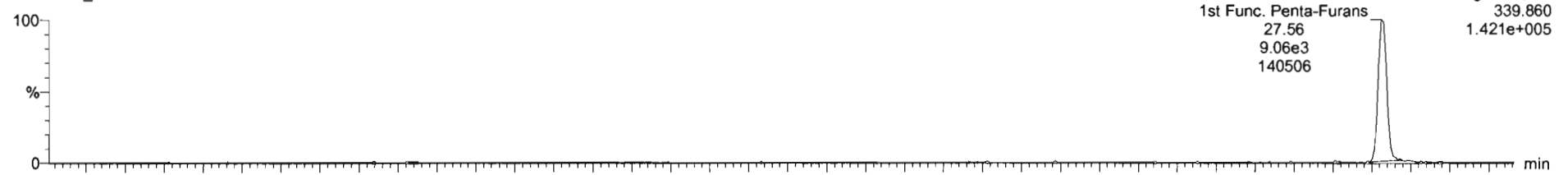
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

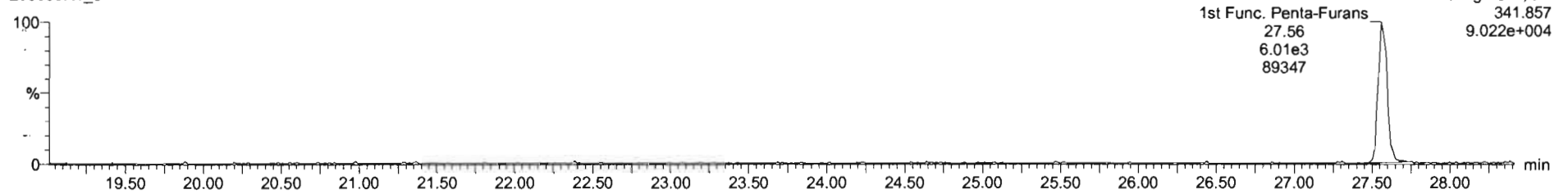
Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

1st Func. Penta-Furans

200608R1_8

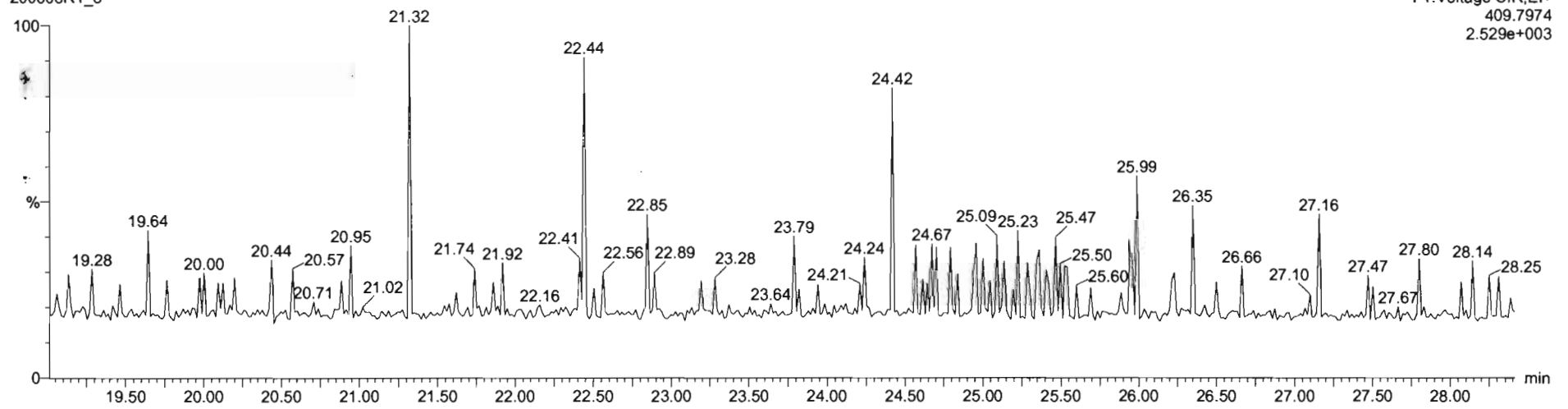


200608R1_8



DPE6

200608R1_8

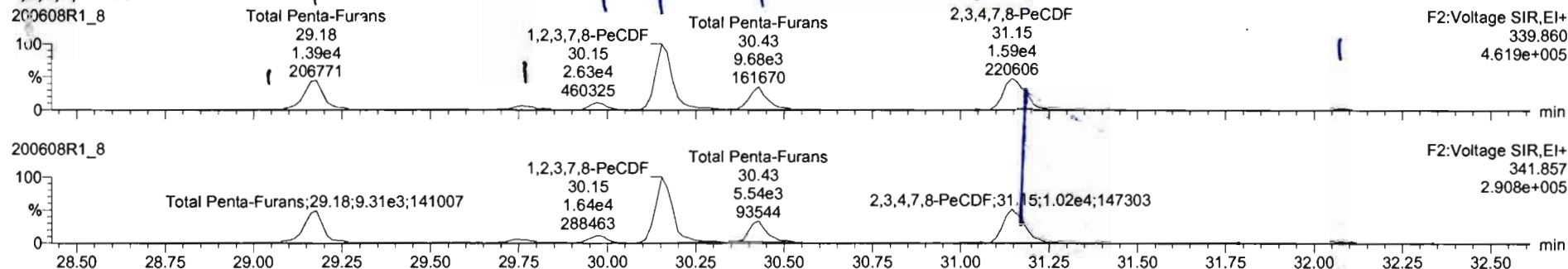


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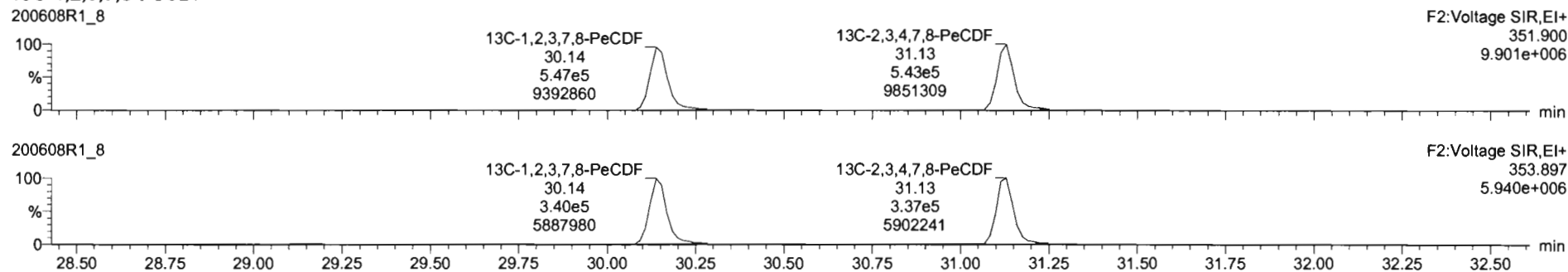
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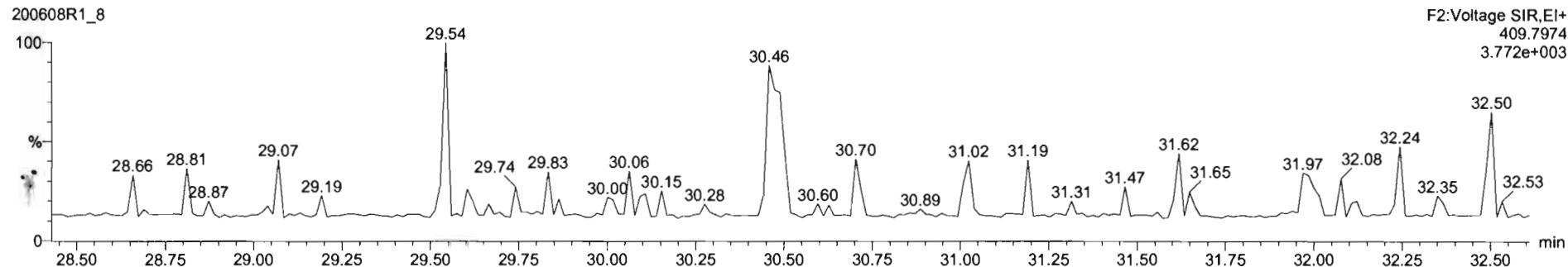
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13C-1,2,3,7,8-PeCDF

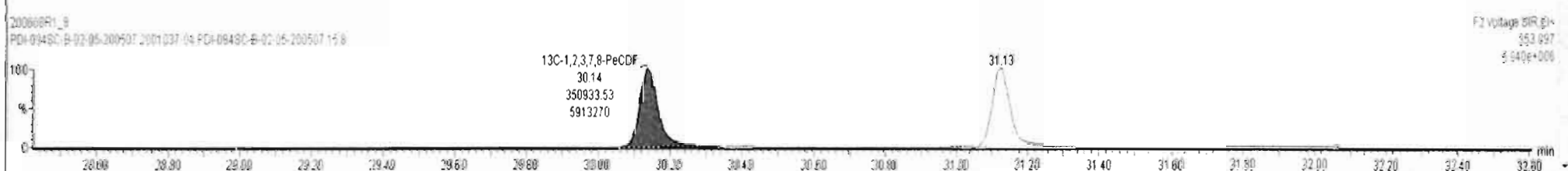
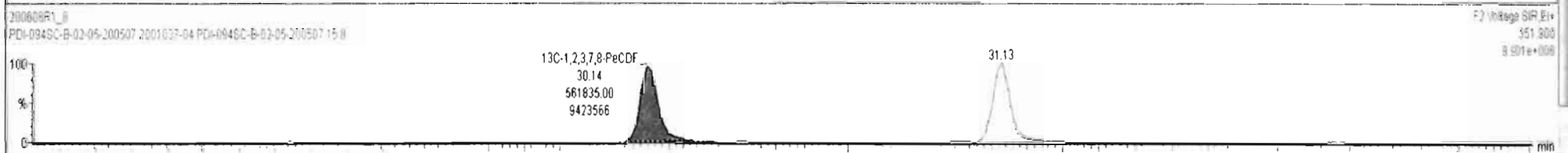
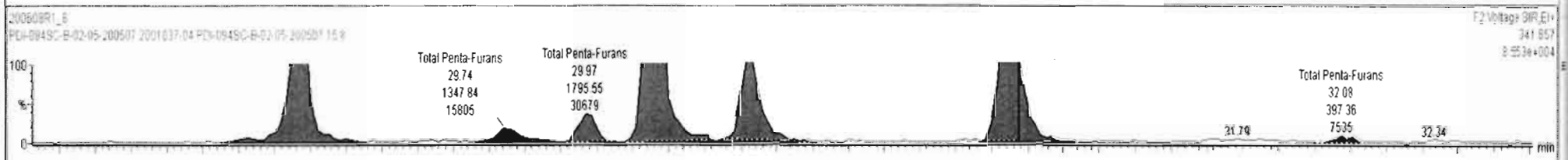
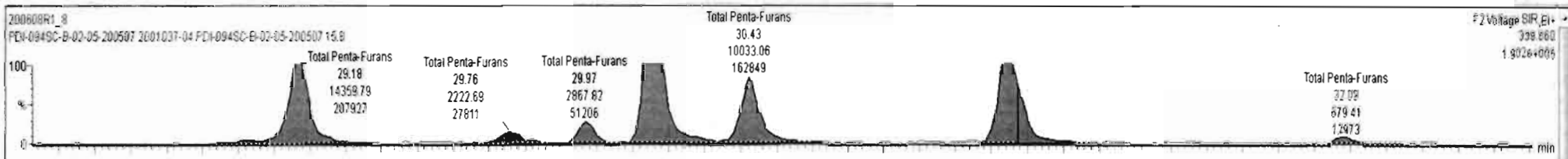


DPE2



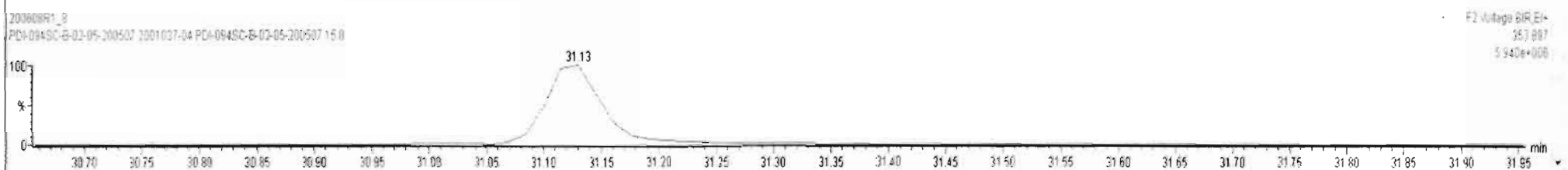
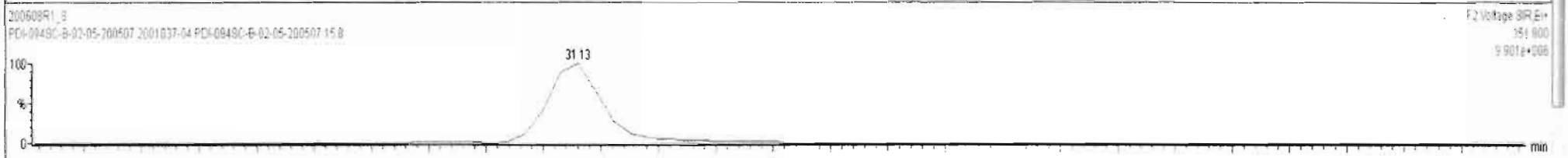
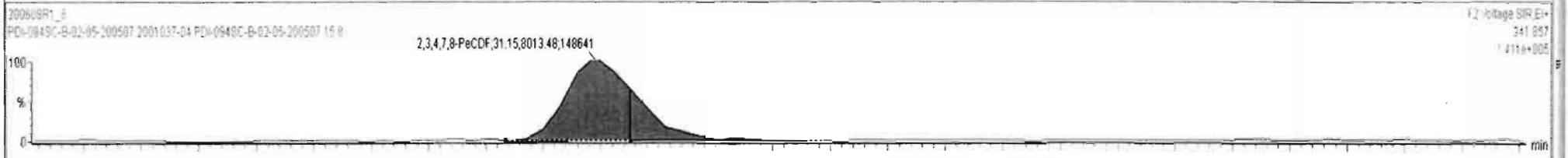
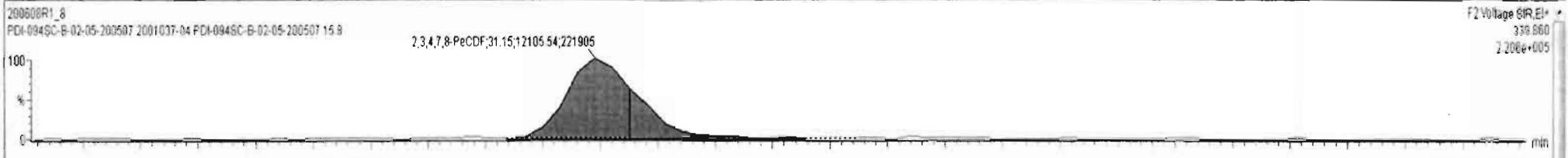
Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.109						
46 Total Hexa-Furans				0.9341	10.109						

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Penta-Furans	29.02	4.732e2	2.695e2	1.76	NO		
2 Total Penta-Furans	29.18	1.436e4	9.308e3	1.54	NO		
3 Total Penta-Furans	29.76	2.223e3	1.348e3	1.65	NO		
4 Total Penta-Furans	29.97	2.868e3	1.796e3	1.60	NO		
5 1,2,3,7,8-PeCDF	30.15	2.651e4	1.683e4	1.57	NO		
6 Total Penta-Furans	30.43	1.003e4	6.126e3	1.64	NO		
7 2,3,4,7,8-PeCDF	31.15	1.211e4	8.013e3	1.51	NO		
8 Total Penta-Furans	31.16	4.061e3	2.459e3	1.65	NO		
9 Total Penta-Furans	32.08	6.794e2	3.974e2	1.71	NO		



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.109						
46 Total Hexa-Furans				0.9341	10.109						

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	4.732e2	2.695e2	1.76	NO		
2 Total Penta-Furans	29.18	1.436e4	9.309e3	1.54	NO		
3 Total Penta-Furans	29.76	2.223e3	1.348e3	1.65	NO		
4 Total Penta-Furans	29.97	2.868e3	1.796e3	1.60	NO		
5 1,2,3,7,8-PeCDF	30.15	2.651e4	1.683e4	1.57	NO		
6 Total Penta-Furans	30.43	1.003e4	6.126e3	1.64	NO		
7 2,3,4,7,8-PeCDF	31.15	1.211e4	8.013e3	1.51	NO		
8 Total Penta-Furans	31.18	4.061e3	2.459e3	1.65	NO		
9 Total Penta-Furans	32.08	6.794e2	3.974e2	1.71	NO		



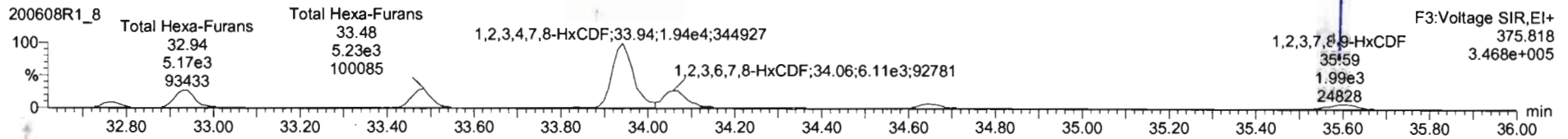
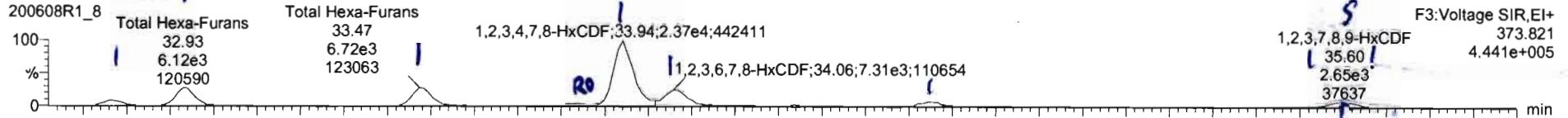
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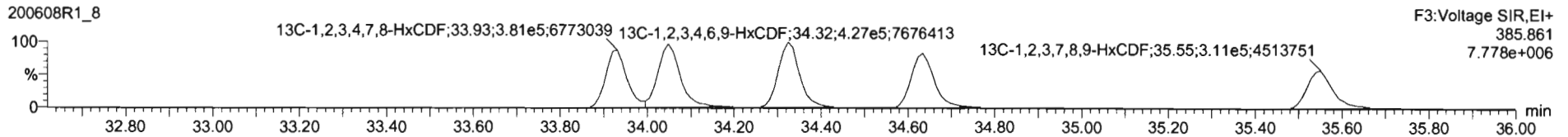
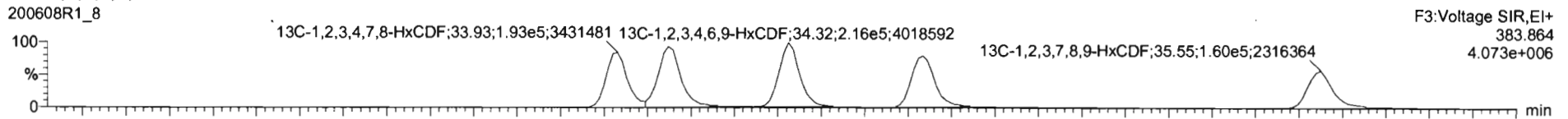
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Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

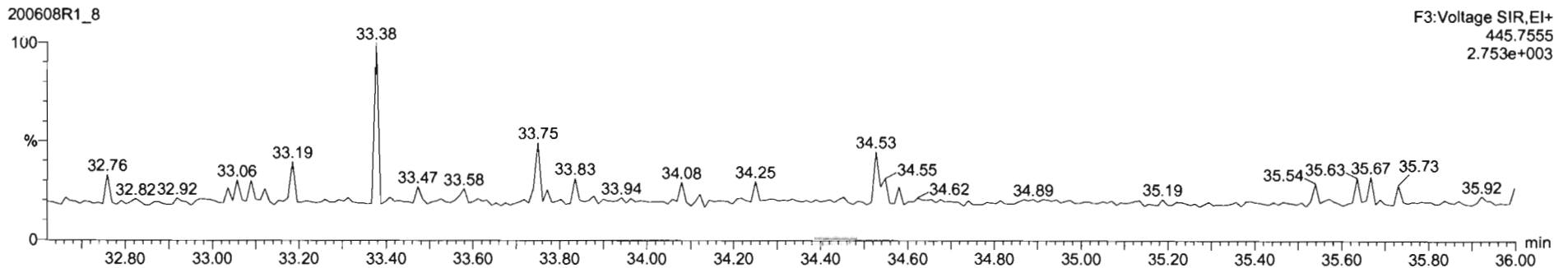
1,2,3,4,7,8-HxCDF



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

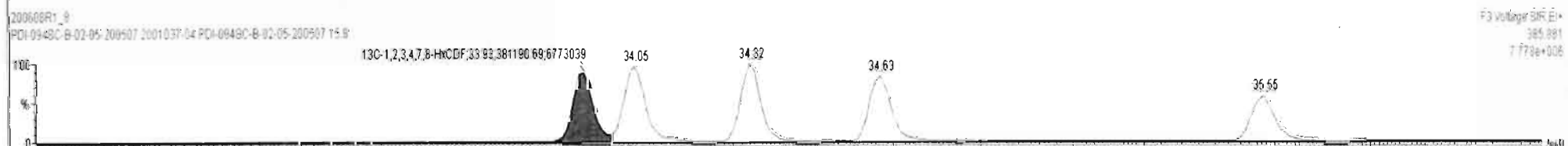
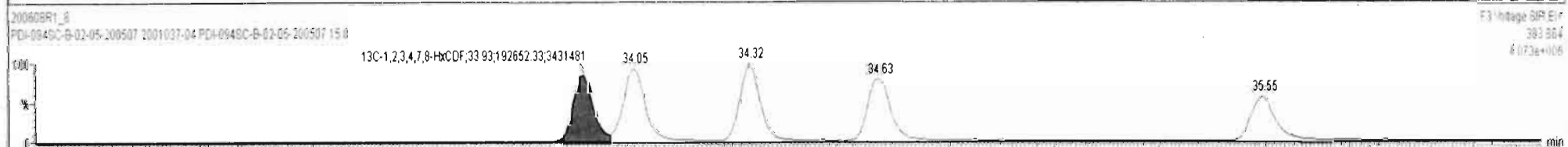
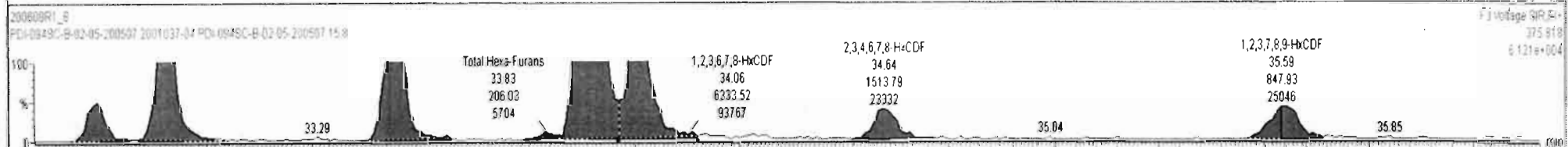
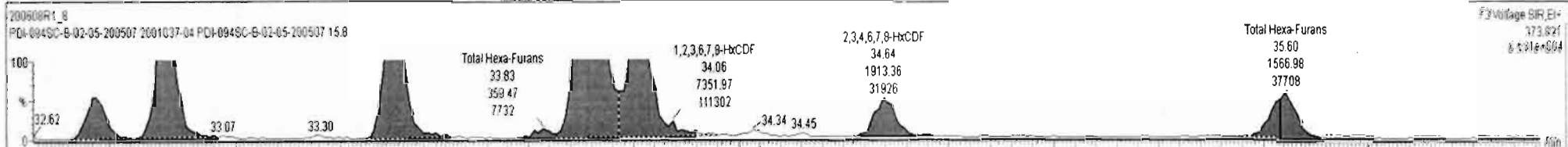


DPE3



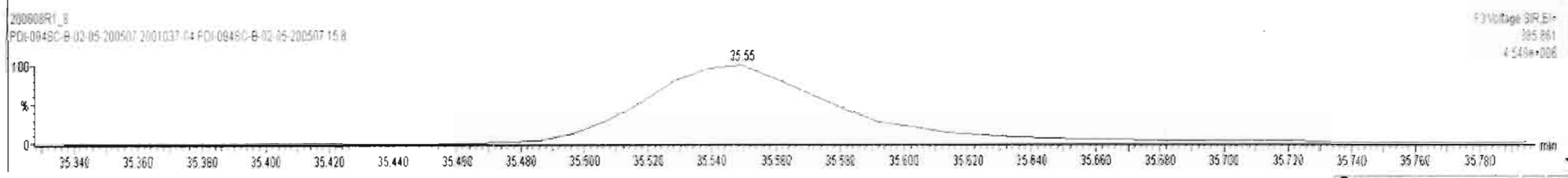
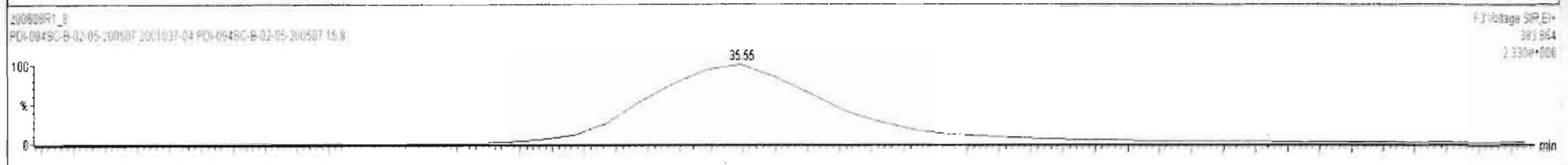
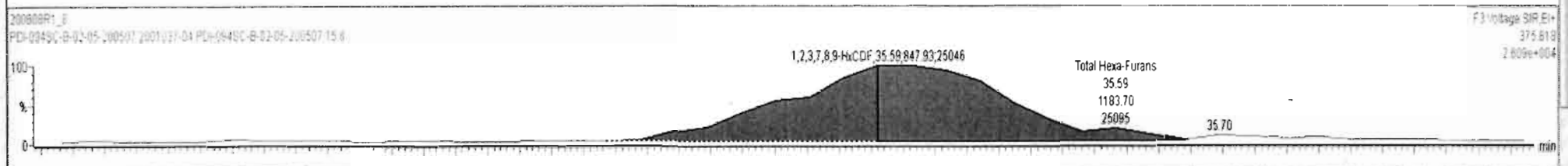
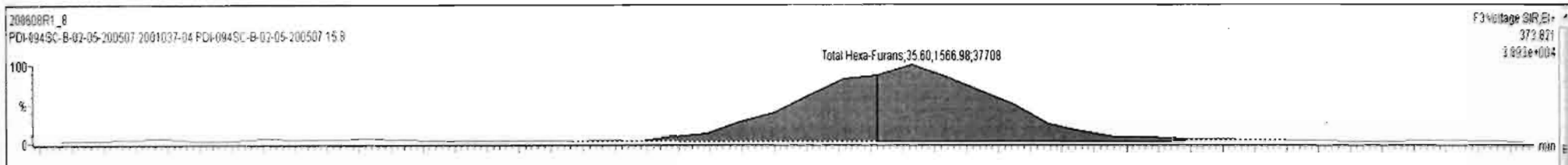
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.109			29.3		0.127	29.3
46 Total Hexa-Furans				0.9341	10.109			34.6		0.202	34.8

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.77	1.900e3	1.479e3	1.29	NO	1.2413	1.2413
2 Total Hexa-Furans	32.93	6.436e3	5.190e3	1.24	NO	4.2704	4.2704
3 Total Hexa-Furans	33.47	6.788e3	5.500e3	1.23	NO	4.5142	4.5142
4 Total Hexa-Furans	33.63	3.595e2	2.060e2	1.74	YES	0.16952	0.00000
5 1,2,3,4,7,8-HxCDF	33.94	2.378e4	1.948e4	1.22	NO	16.865	16.865
6 1,2,3,6,7,8-HxCDF	34.06	7.352e3	6.334e3	1.16	NO	4.5605	4.5605
7 2,3,4,6,7,8-HxCDF	34.64	1.913e3	1.514e3	1.26	NO	1.2227	1.2227
8 1,2,3,7,8,9-HxCDF	35.59	1.069e3	8.479e2	1.26	NO	0.92430	0.92430
9 Total Hexa-Furans	35.60	1.567e3	1.184e3	1.32	NO	1.0104	1.0104



Name	Resp	RA	nLy	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.109			29.3		0.127	29.3
46 Total Hexa-Furans				0.9341	10.109			34.6		0.202	34.8

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Hexa-Furans	32.77	1.900e3	1.479e3	1.29	NO	1.2413	1.2413
2 Total Hexa-Furans	32.93	6.436e3	5.190e3	1.24	NO	4.2704	4.2704
3 Total Hexa-Furans	33.47	6.789e3	5.500e3	1.23	NO	4.5142	4.5142
4 Total Hexa-Furans	33.83	3.595e2	2.060e2	1.74	YES	0.16952	0.00000
5 1,2,3,4,7,8-HxCDF	33.94	2.378e4	1.948e4	1.22	NO	16.865	16.865
6 1,2,3,6,7,8-HxCDF	34.06	7.352e3	6.334e3	1.16	NO	4.5605	4.5605
7 2,3,4,6,7,8-HxCDF	34.64	1.913e3	1.514e3	1.26	NO	1.2227	1.2227
8 1,2,3,7,8,9-HxCDF	35.59	1.069e3	8.479e2	1.26	NO	0.92430	0.92430
9 Total Hexa-Furans	35.60	1.567e3	1.184e3	1.32	NO	1.0104	1.0104

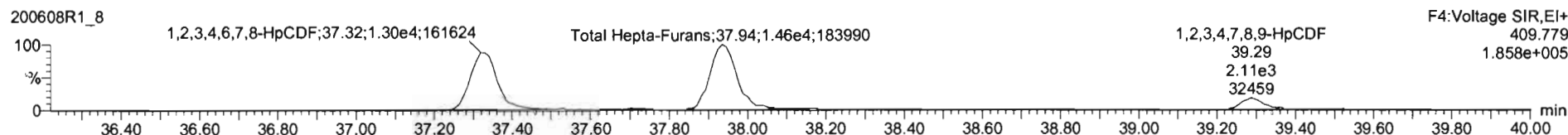
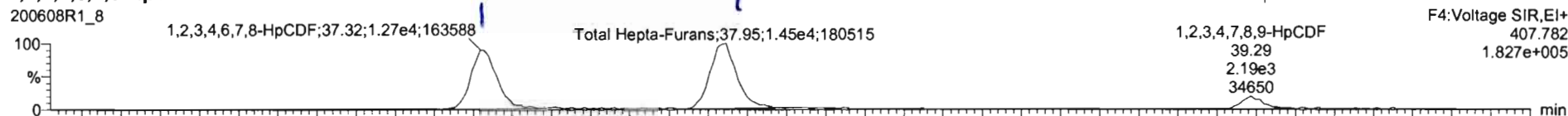


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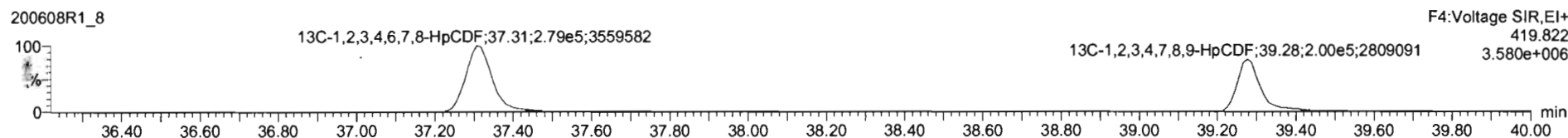
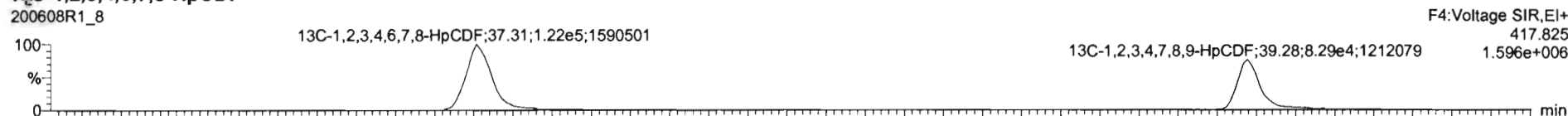
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Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

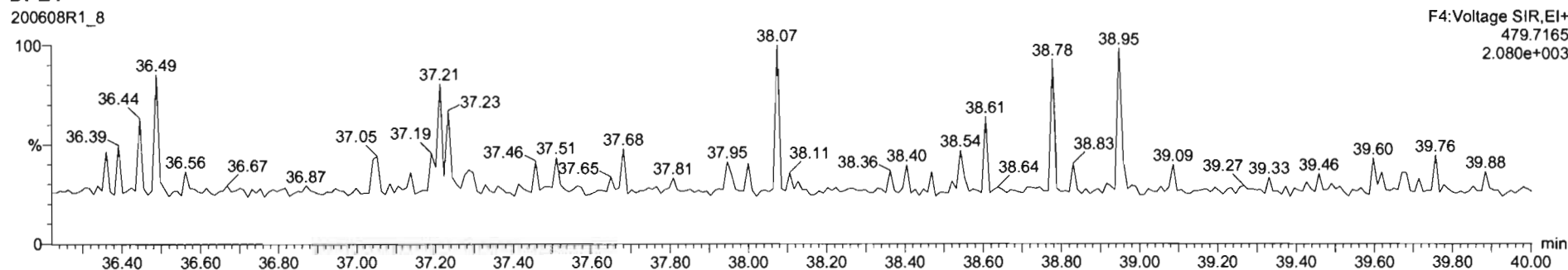
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13C-1,2,3,4,6,7,8-HpCDF



DPE4



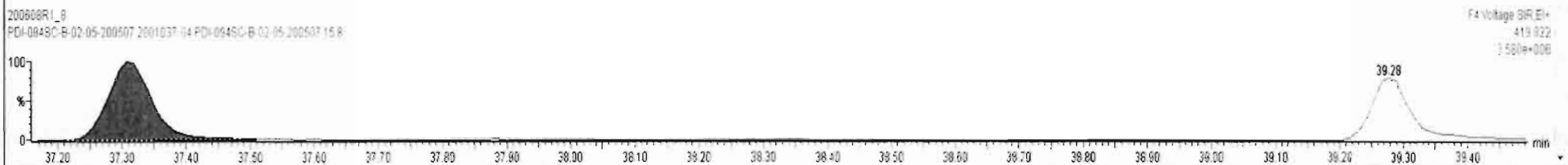
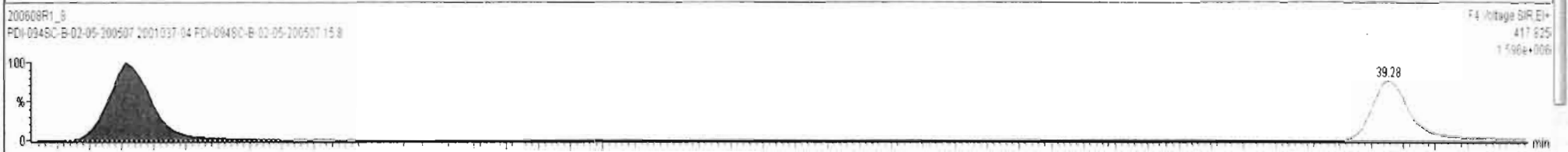
TargetLynx - 200608R1-8b* - [Chromatogram]

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200608R1_8 - 2001037-04 PDI-0945C-B-02-05-200507 15.8 - FDI-0945C-B-02-05-200507

Name	Resp	RA	rly	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
47 Total Hepta-Furans				0.8734	10.109			36.9		0.360	36.9
48 PFK1											

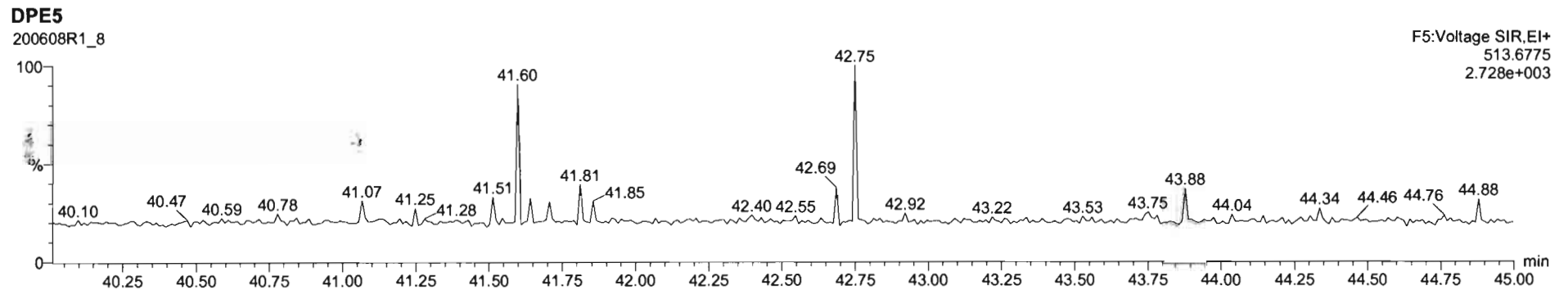
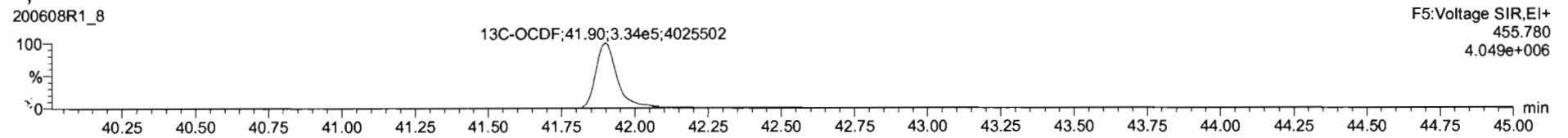
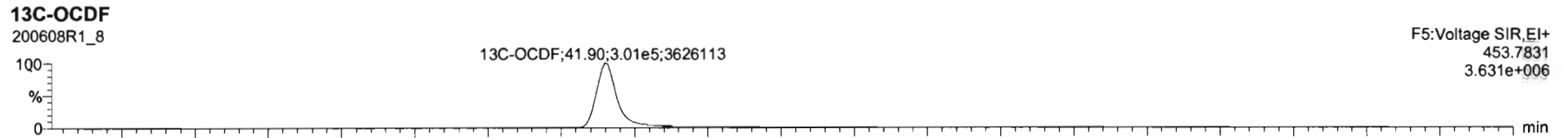
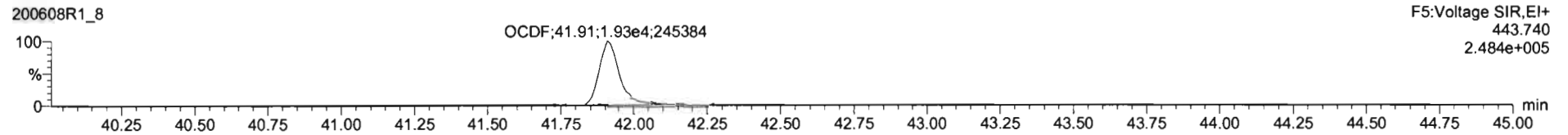
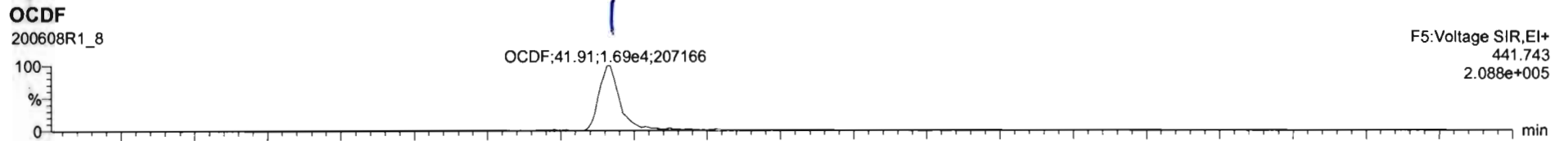
Name	RT	m1 Resp	m2 Resp	RA	rly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.32	1.306e4	1.321e4	0.99	NO	14.585	14.585
2 Total Hepta-Furans	37.95	1.467e4	1.474e4	1.00	NO	19.287	19.287
3 1,2,3,4,7,8,9-HpCDF	39.29	2.251e3	2.173e3	1.04	NO	3.0542	3.0542



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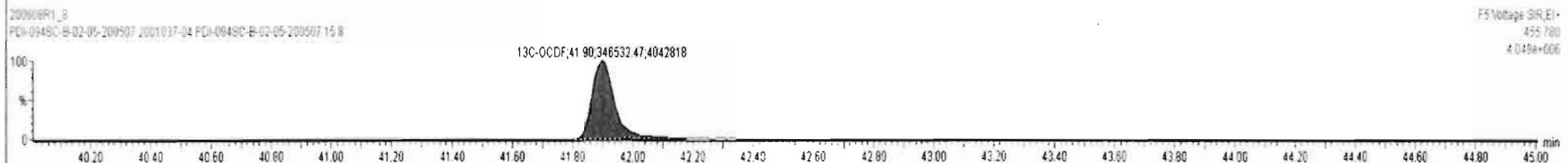
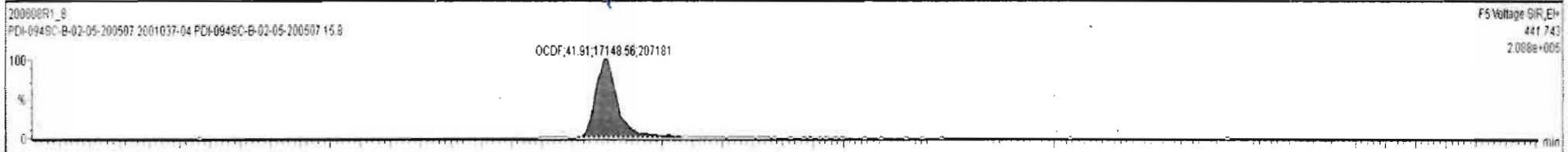
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Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF	3.73e4	0.85	NO	0.8065	10.109	41.91	1.000	28.3	0.236	28.3
18	13C-2,3,7,8-TCDD	7.30e5	0.80	NO	1.1563	10.109	26.45	1.026	168	85.1	0.280

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



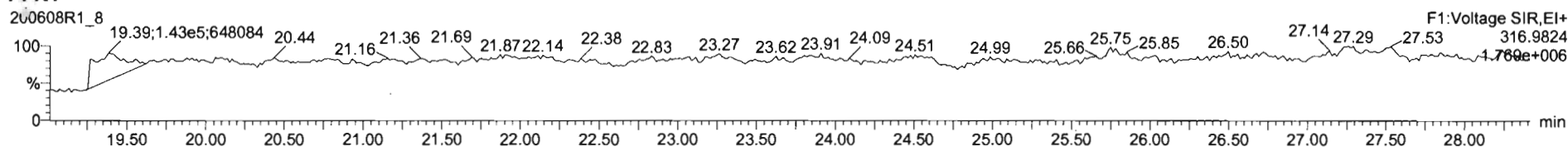
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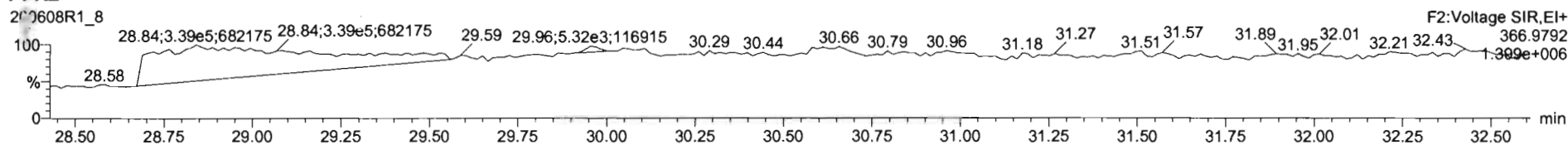
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_8, Date: 08-Jun-2020, Time: 17:08:21, ID: 2001037-04 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

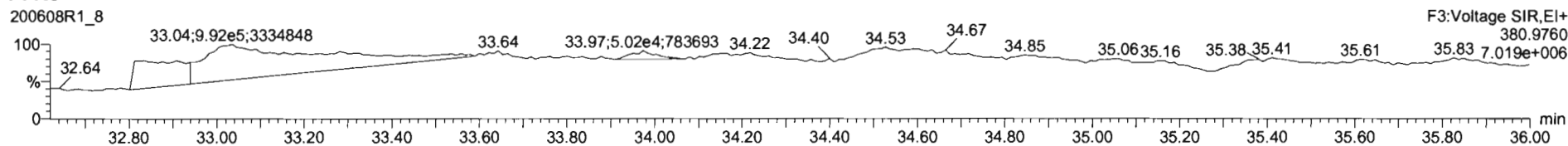
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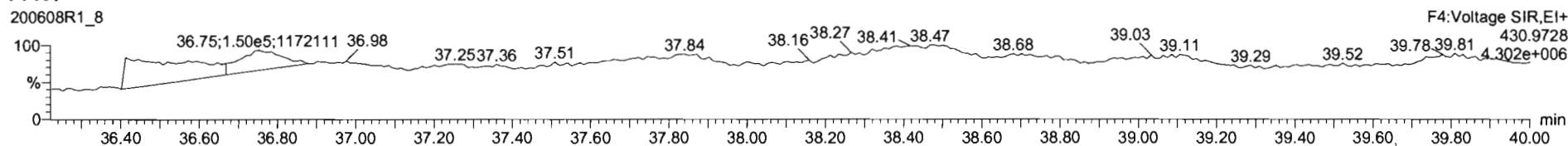
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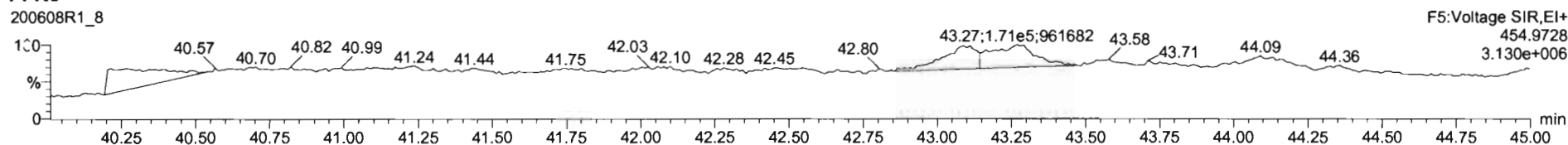
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-9.qld

Last Altered: Wednesday, June 24, 2020 14:45:43 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:52:29 Pacific Daylight Time

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

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

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.271	26.471		1.001				0.0908	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.271	31.442		1.001				0.138	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.271	34.803		1.000				0.129	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.271	34.900		1.000				0.133	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.271	35.188		1.000				0.158	
6	6 1,2,3,4,6,7,8-HpCDD	1.78e3	0.96	NO	0.864	10.271	38.714	38.73	1.000	1.001	1.4023		0.210	1.40
7	7 OCDD	1.17e4	0.91	NO	0.914	10.271	41.695	41.71	1.000	1.000	10.730		0.286	10.7
8	8 2,3,7,8-TCDF			NO	0.751	10.271	25.567		1.001				0.0585	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.271	30.159		1.001				0.0709	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.271	31.146		1.001				0.0644	
11	11 1,2,3,4,7,8-HxCDF	3.06e2	1.22	NO	0.884	10.271	33.920	33.93	1.000	1.000	0.12917		0.0376	0.129
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.271	34.047		1.000				0.0540	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.271	34.658		1.001				0.0616	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.271	35.539		1.000				0.0983	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.271	37.344		1.001				0.134	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.271	39.256		1.000				0.147	
17	17 OCDF	3.38e2	1.27	YES	0.806	10.271	41.876	41.89	1.000	1.000	0.30133		0.152	0.251
18	18 13C-2,3,7,8-TCDD	6.82e5	0.79	NO	1.16	10.271	26.461	26.44	1.026	1.026	181.91	93.4	0.339	
19	19 13C-1,2,3,7,8-PeCDD	5.33e5	0.63	NO	0.849	10.271	31.637	31.42	1.227	1.219	193.53	99.4	0.425	
20	20 13C-1,2,3,4,7,8-HxCDD	3.72e5	1.27	NO	0.779	10.271	34.798	34.79	1.014	1.014	162.32	83.4	0.600	
21	21 13C-1,2,3,6,7,8-HxCDD	4.63e5	1.28	NO	1.02	10.271	34.911	34.90	1.017	1.017	154.68	79.4	0.460	
22	22 13C-1,2,3,7,8,9-HxCDD	4.17e5	1.29	NO	0.903	10.271	35.182	35.18	1.025	1.025	156.87	80.6	0.518	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.86e5	1.04	NO	0.689	10.271	38.703	38.70	1.128	1.128	141.28	72.6	0.541	
24	24 13C-OCDD	4.65e5	0.89	NO	0.652	10.271	41.722	41.69	1.216	1.215	242.31	62.2	0.411	
25	25 13C-2,3,7,8-TCDF	8.92e5	0.77	NO	1.06	10.271	25.504	25.54	0.989	0.991	165.14	84.8	0.340	
26	26 13C-1,2,3,7,8-PeCDF	8.30e5	1.60	NO	0.838	10.271	30.023	30.14	1.165	1.169	194.11	99.7	0.562	
27	27 13C-2,3,4,7,8-PeCDF	8.16e5	1.58	NO	0.817	10.271	30.975	31.11	1.202	1.207	195.78	101	0.577	
28	28 13C-1,2,3,4,7,8-HxCDF	5.22e5	0.51	NO	1.01	10.271	33.930	33.92	0.989	0.989	176.13	90.5	0.733	
29	29 13C-1,2,3,6,7,8-HxCDF	6.19e5	0.51	NO	1.17	10.271	34.053	34.04	0.992	0.992	180.43	92.7	0.633	
30	30 13C-2,3,4,6,7,8-HxCDF	5.35e5	0.50	NO	1.02	10.271	34.626	34.62	1.009	1.009	178.11	91.5	0.723	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-9.qld

Last Altered: Wednesday, June 24, 2020 14:45:43 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:52:29 Pacific Daylight Time

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.14e5	0.50	NO	0.860	10.271	35.525	35.54	1.035	1.036	163.60	84.0	0.859	
32	13C-1,2,3,4,6,7,8-HpCDF	3.64e5	0.41	NO	0.774	10.271	37.272	37.31	1.086	1.087	159.66	82.0	0.555	
33	13C-1,2,3,4,7,8,9-HpCDF	2.40e5	0.43	NO	0.521	10.271	39.300	39.26	1.145	1.144	156.90	80.6	0.825	
34	13C-OCDF	5.42e5	0.87	NO	0.746	10.271	41.894	41.88	1.221	1.220	246.92	63.4	0.514	
35	37Cl-2,3,7,8-TCDD	2.66e5			1.04	10.271	26.492	26.45	1.028	1.026	79.145	102	0.0544	
36	13C-1,2,3,4-TCDD	6.31e5	0.80	NO	1.00	10.271	25.890	25.78	1.000	1.000	194.73	100	0.392	
37	13C-1,2,3,4-TCDF	9.94e5	0.80	NO	1.00	10.271	24.360	24.09	1.000	1.000	194.73	100	0.360	
38	13C-1,2,3,4,6,9-HxCDF	5.73e5	0.51	NO	1.00	10.271	34.420	34.31	1.000	1.000	194.73	100	0.739	
39	Total Tetra-Dioxins				0.888	10.271	24.620		0.000		0.00000		0.0519	0.494
40	Total Penta-Dioxins				0.908	10.271	29.960		0.000		0.41315		0.138	0.413
41	Total Hexa-Dioxins				0.892	10.271	33.635		0.000		1.6459		0.146	1.65
42	Total Hepta-Dioxins				0.864	10.271	37.640		0.000		3.8127		0.210	3.81
43	Total Tetra-Furans				0.751	10.271	23.610		0.000		0.00000		0.0585	0.166
44	1st Func. Penta-Furans				0.893	10.271	27.580		0.000				0.00849	
45	Total Penta-Furans				0.893	10.271	29.275		0.000				0.0334	
46	Total Hexa-Furans				0.934	10.271	33.555		0.000		0.12917		0.0386	0.129
47	Total Hepta-Furans				0.873	10.271	37.835		0.000				0.0780	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-9.qld

Last Altered: Wednesday, June 24, 2020 14:45:43 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:52:29 Pacific Daylight Time

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

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

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.27	9.250e3	7.781e3	6.543e2	6.937e2	0.94	YES	0.000e0	0.00000	0.39477	0.0908
2	Total Tetra-Dioxins	25.76	3.363e3	3.639e3	1.943e2	1.749e2	1.11	YES	0.000e0	0.00000	0.099518	0.0908

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.70	5.208e3	6.726e3	2.070e2	3.149e2	0.66	NO	5.219e2	0.21016	0.21016	0.138
2	Total Penta-Dioxins	30.66	2.864e3	3.089e3	2.048e2	2.992e2	0.68	NO	5.041e2	0.20298	0.20298	0.138

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.30	2.309e4	1.974e4	1.118e3	1.009e3	1.11	NO	2.127e3	1.1130	1.1130	0.146
2	Total Hexa-Dioxins	34.12	1.072e4	7.857e3	5.357e2	4.826e2	1.11	NO	1.018e3	0.53285	0.53285	0.146

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	1.951e4	1.597e4	1.546e3	1.517e3	1.02	NO	3.063e3	2.4105	2.4105	0.210
2	1,2,3,4,6,7,8-HpCDD	38.73	1.205e4	1.200e4	8.718e2	9.101e2	0.96	NO	1.782e3	1.4023	1.4023	0.210

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.42	4.836e3	5.673e3	2.676e2	3.042e2	0.88	NO	0.000e0	0.00000	0.16612	0.0585

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-9.qld

Last Altered: Wednesday, June 24, 2020 14:45:43 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 14:52:29 Pacific Daylight Time

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

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	1,2,3,4,7,8-HxCDF	33.93	3.348e3	2.404e3	1.682e2	1.380e2	1.22	NO	3.063e2	0.12917	0.12917	0.0376

Hepta-Furans

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

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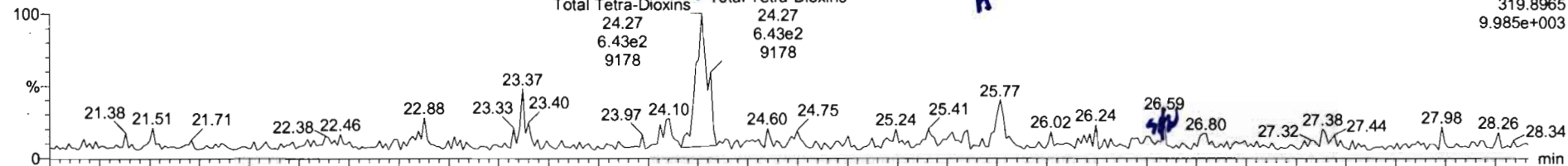
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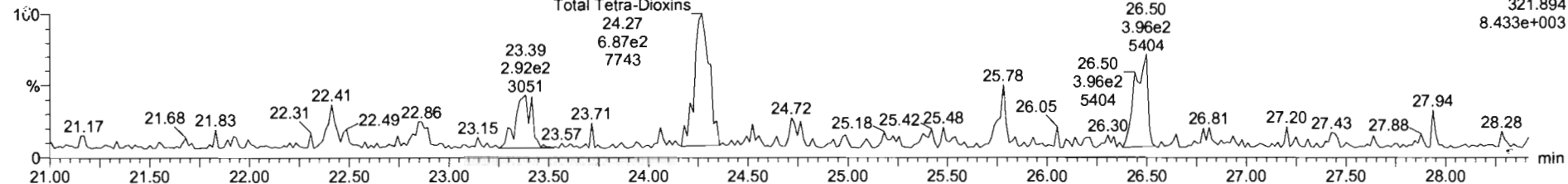
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2,3,7,8-TCDD

200608R1_9

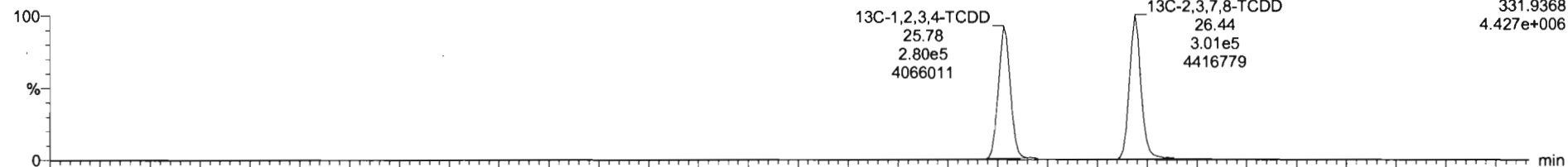


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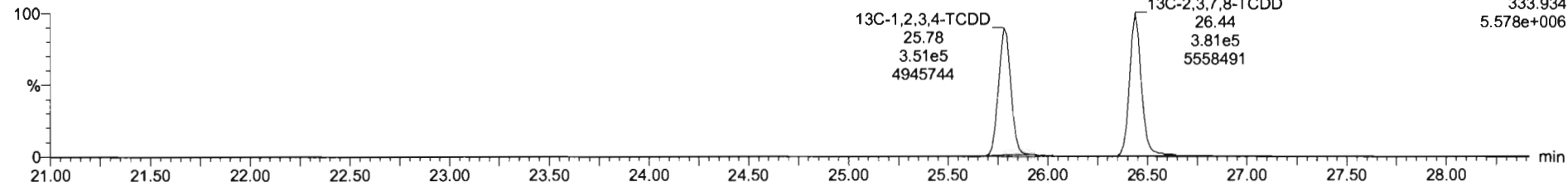


13C-2,3,7,8-TCDD

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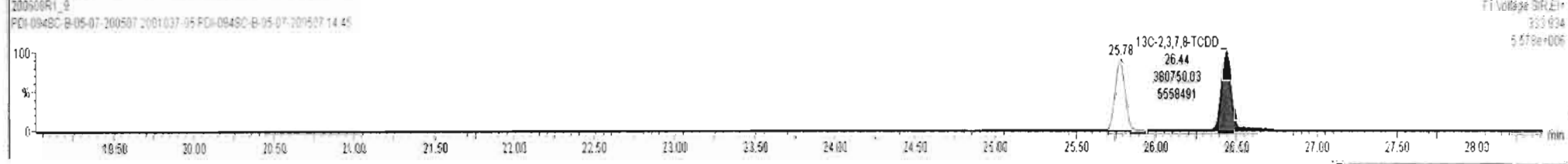
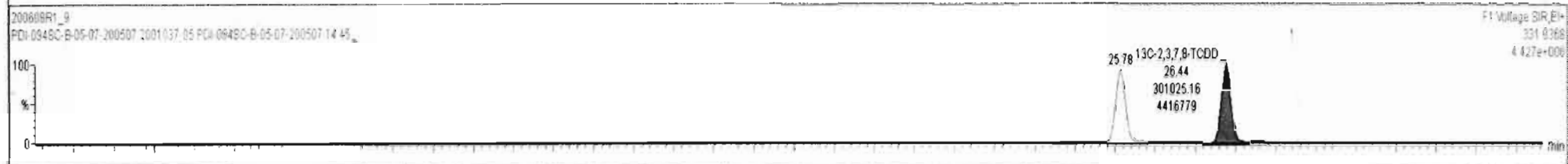
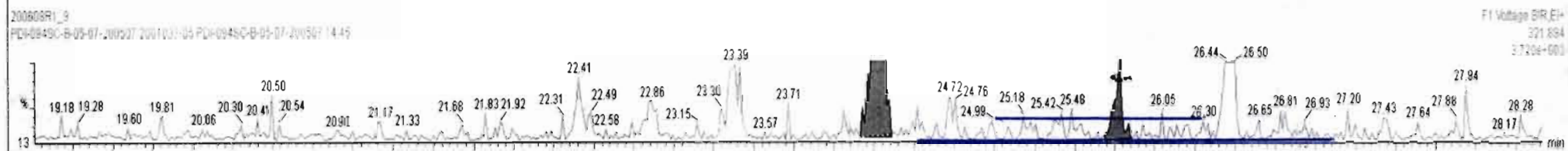
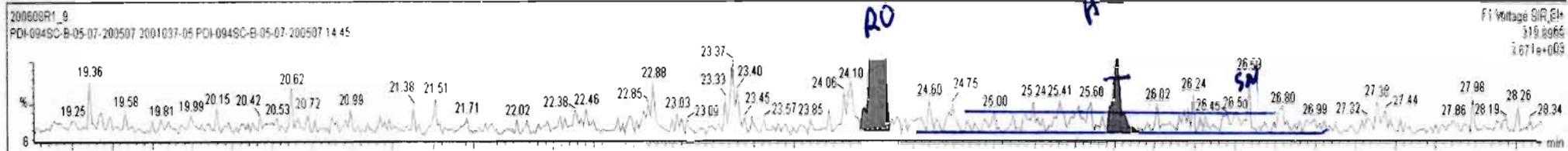


200608R1_9



Name	Resp	RA	n/y	RF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.271			0.000		0.0519	0.494
40 Total Penta-Dioxins				0.9081	10.271			0.219		0.138	0.219

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	24.27	6.543e2	6.937e2	0.94	YES	0.39477	0.00000
2 Total Tetra-Dioxins	25.77	1.943e2	1.749e2	1.11	YES	0.089518	0.00000



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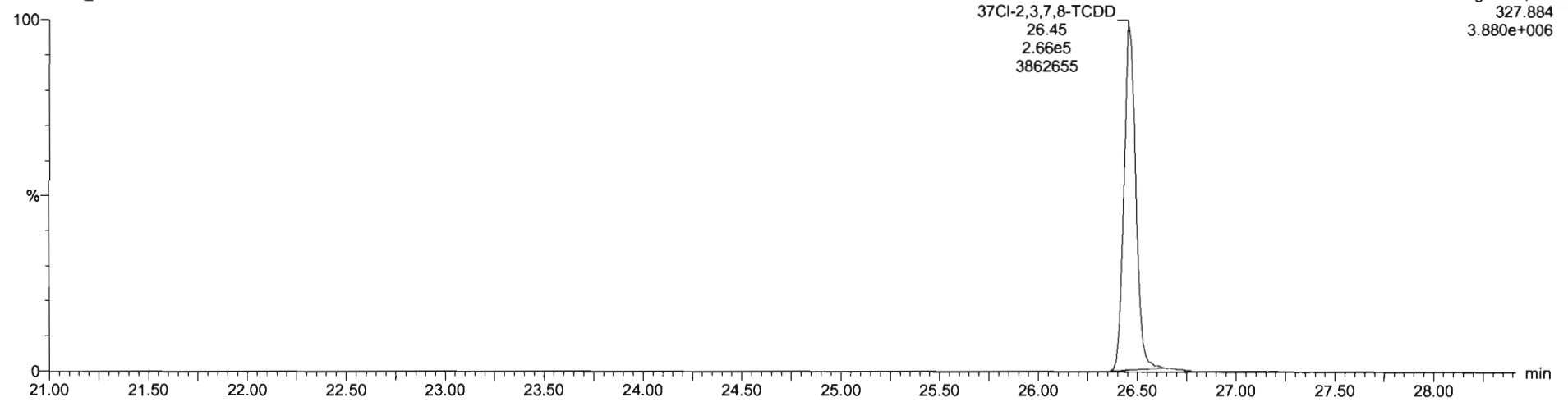
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Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

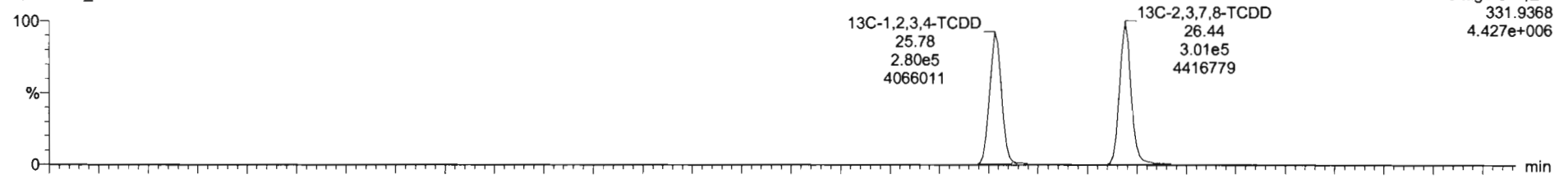
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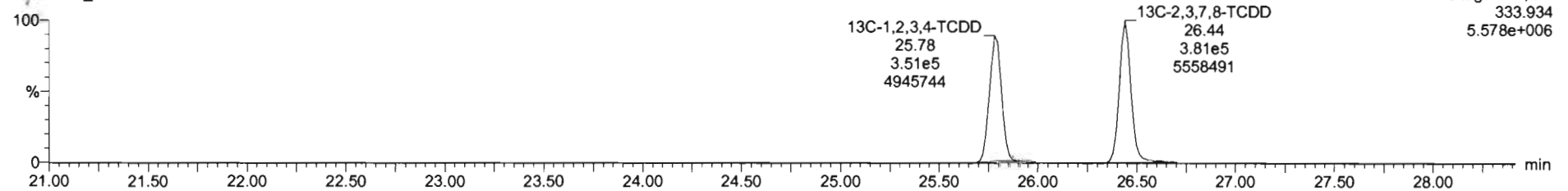


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200608R1_9



200608R1_9



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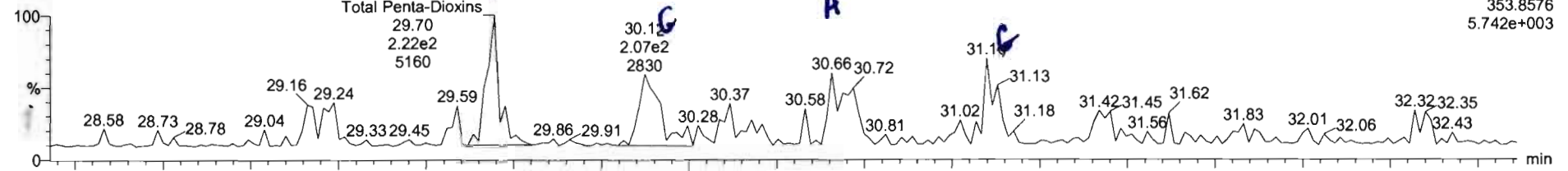
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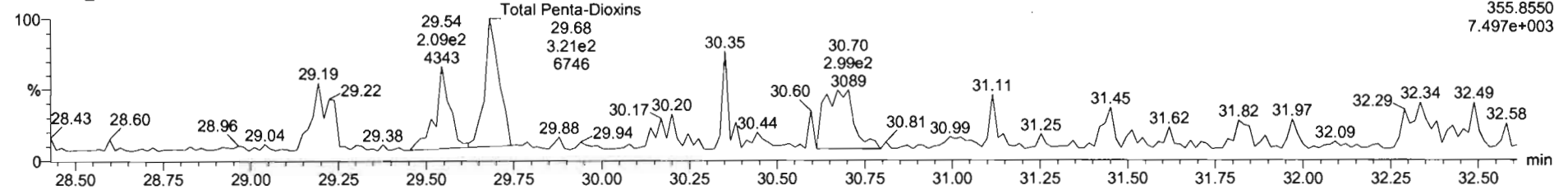
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1,2,3,7,8-PeCDD

200608R1_9

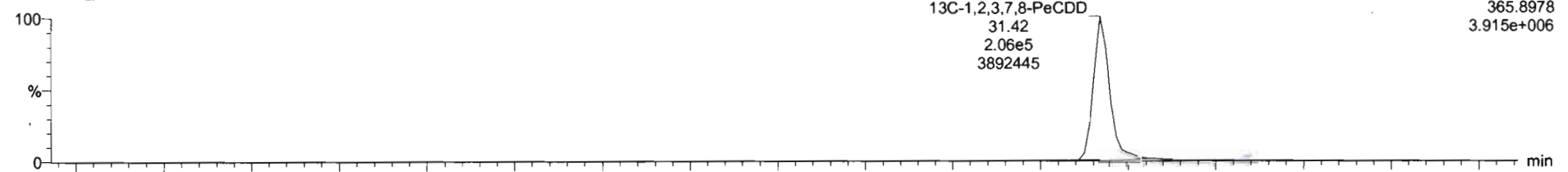


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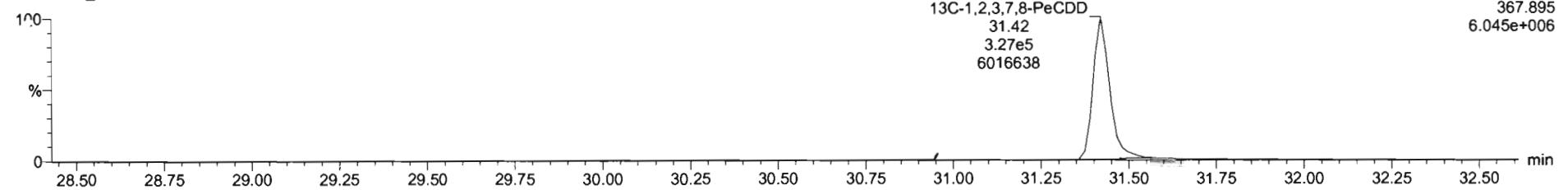


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200608R1_9

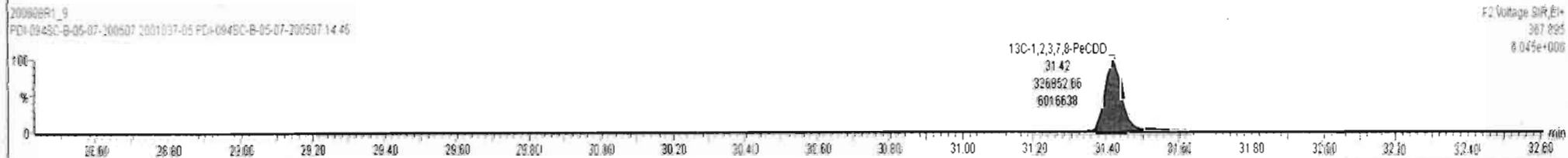
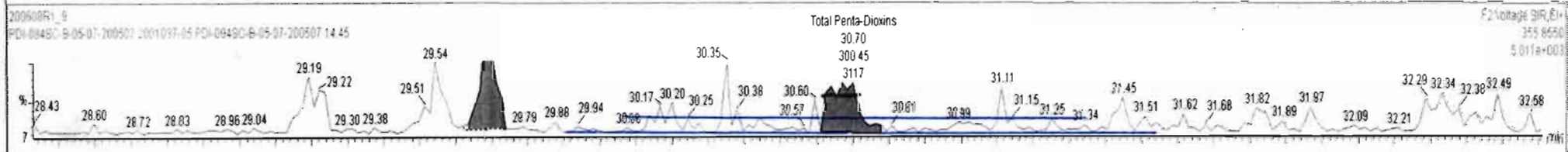
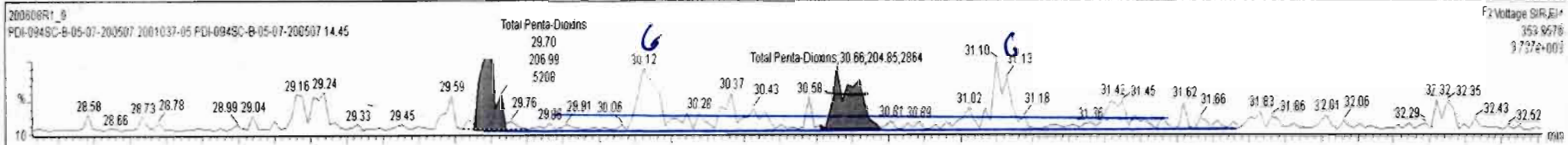


200608R1_9



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.271			0.414		0.138	0.414
41 Total Hexa-Dioxins				0.8923	10.271			0.000		0.0763	1.53
42 Total Hepta-Dioxins				0.8639	10.271			3.75		0.208	3.75

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.70	2.070e2	3.149e2	0.66	NO	0.21016	0.21016
2 Total Penta-Dioxins	30.66	2.048e2	3.004e2	0.68	NO	0.20347	0.20347



Dataset: Untitled

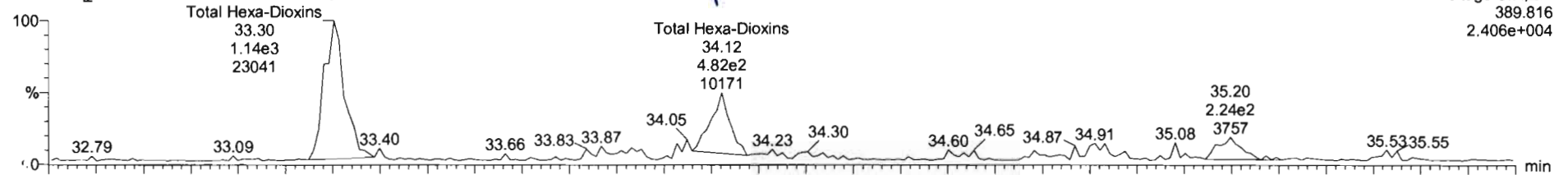
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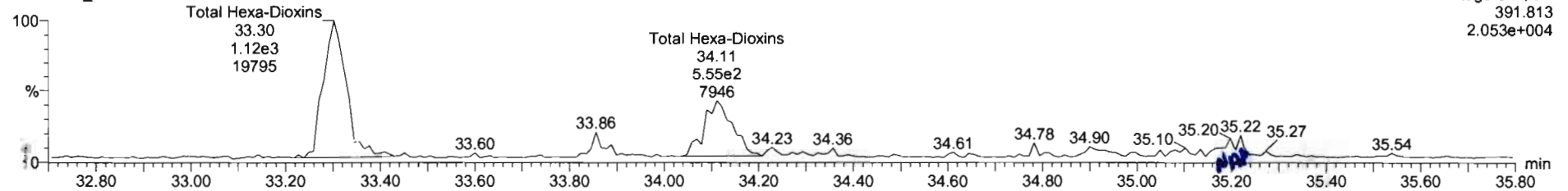
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1,2,3,4,7,8-HxCDD

200608R1_9

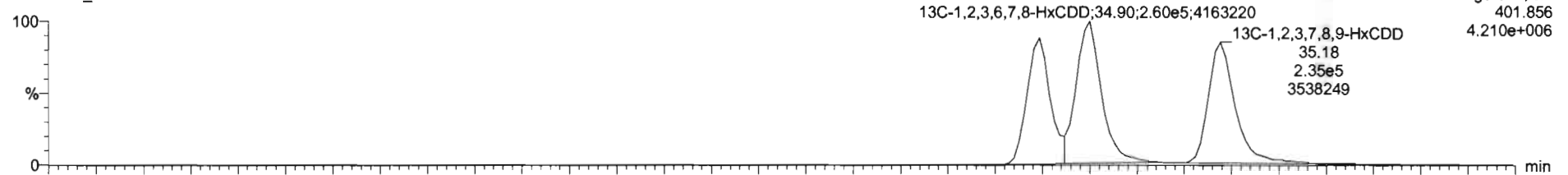


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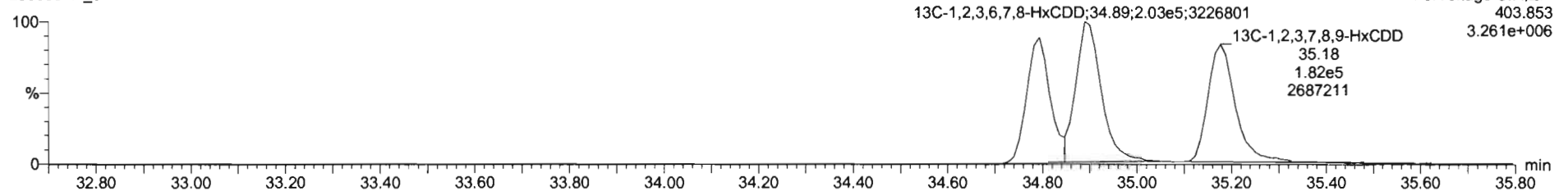


13C-1,2,3,4,7,8-HxCDD

200608R1_9

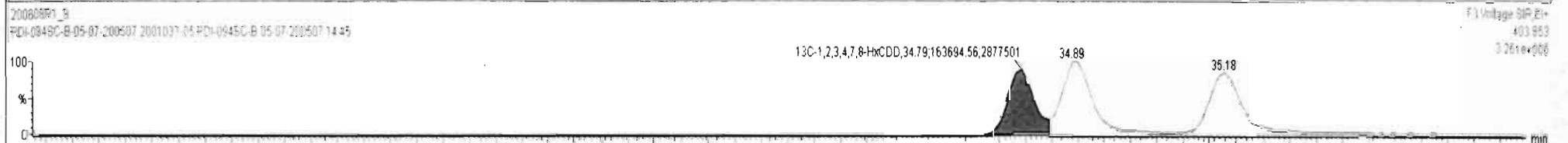
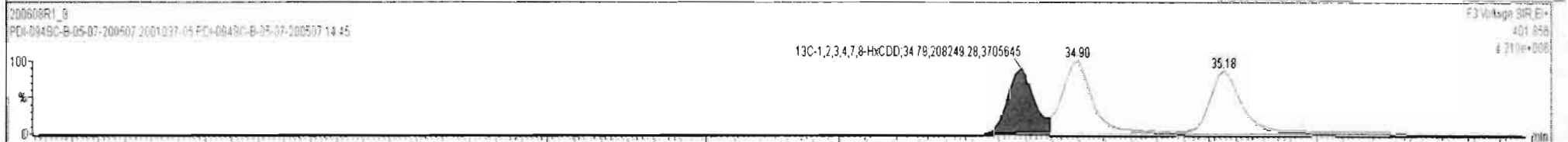
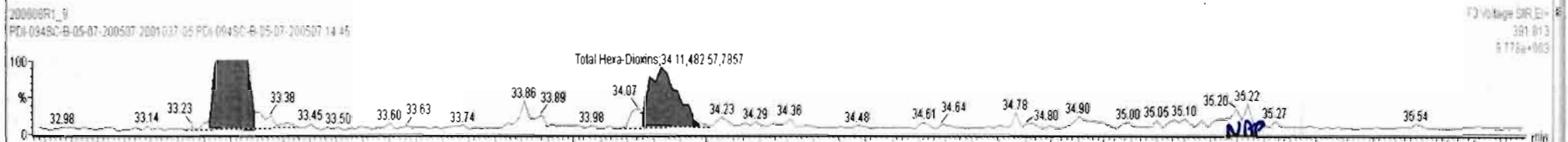
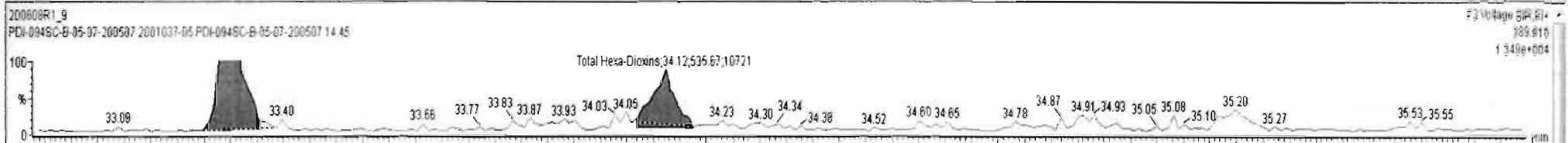


200608R1_9



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8923	10.271			1.65		0.146	1.65
42 Total Hepta-Dioxins				0.8639	10.271			3.75		0.208	3.75
43 Total Tetra-Furans				0.7510	10.271			0.143		0.0585	0.143

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.30	1.118e3	1.009e3	1.11	NO	1.1130	1.1130
2 Total Hexa-Dioxins	34.12	5.357e2	4.826e2	1.11	NO	0.53285	0.53285



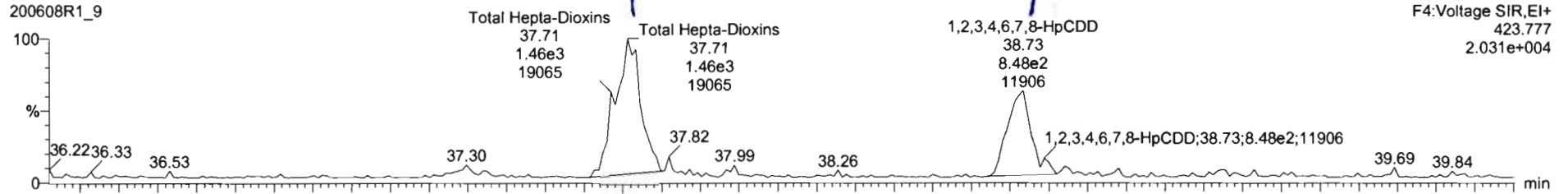
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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

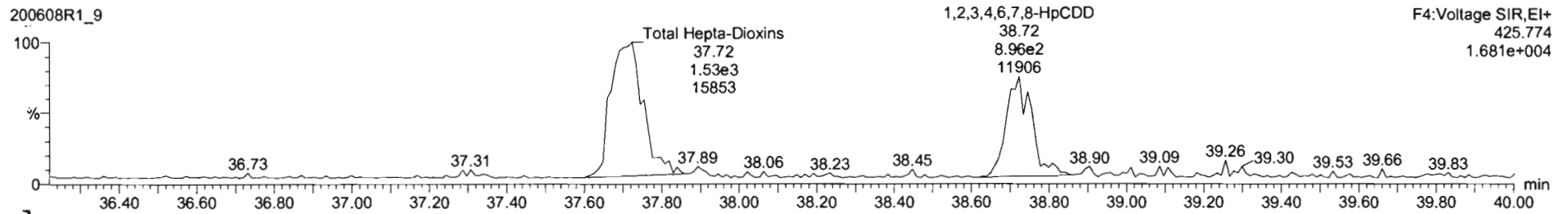
Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

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

200608R1_9

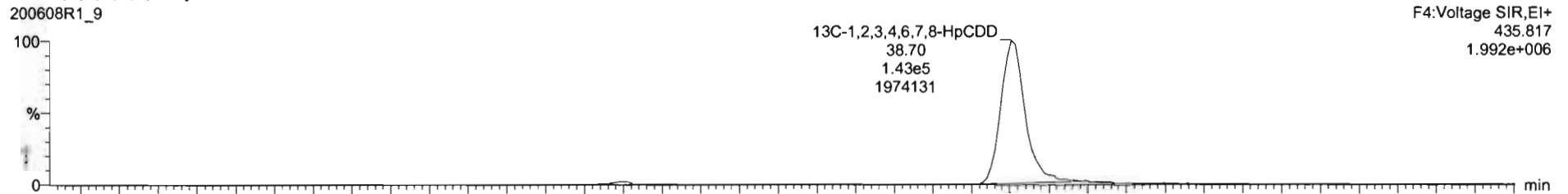


200608R1_9

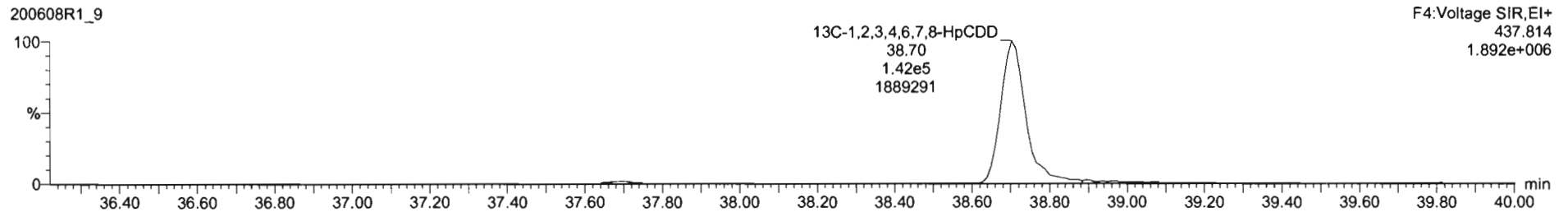


13C-1,2,3,4,6,7,8-HpCDD

200608R1_9

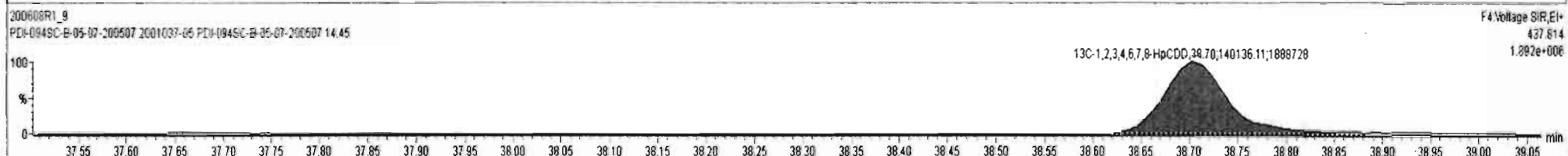
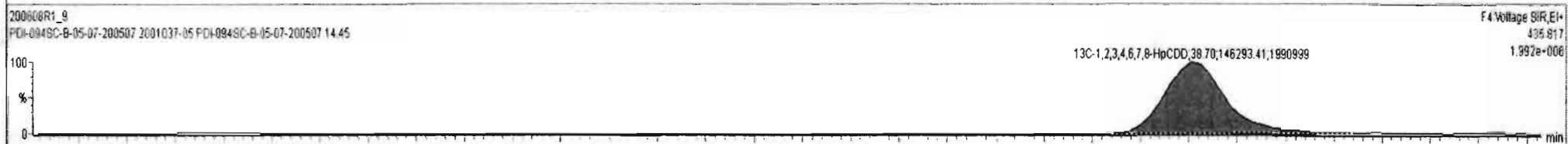
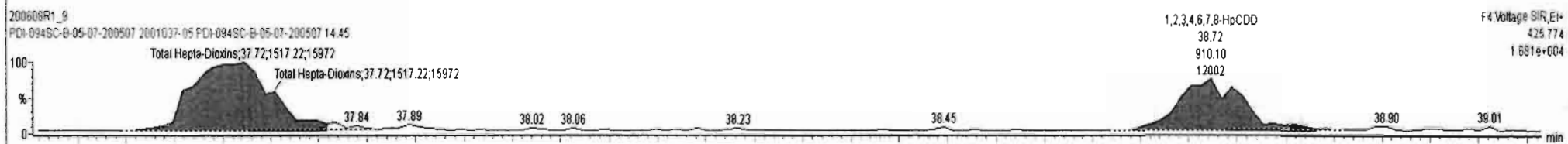
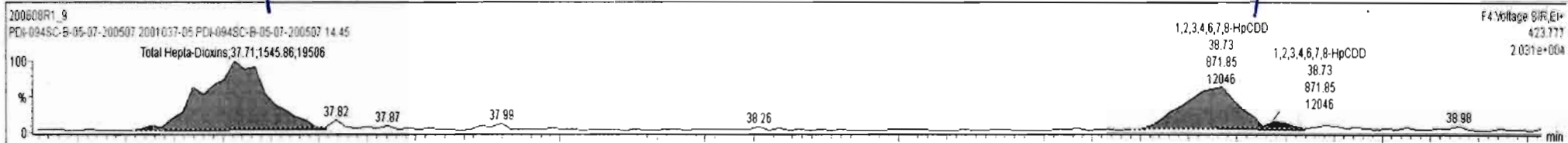


200608R1_9



Name	Resp	RA	n/y	RF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8923	10.271			1.65		0.146	1.65
42 Total Hepta-Dioxins				0.8639	10.271			3.81		0.210	3.81
43 Total Tetra-Furans				0.7510	10.271			0.143		0.0585	0.143

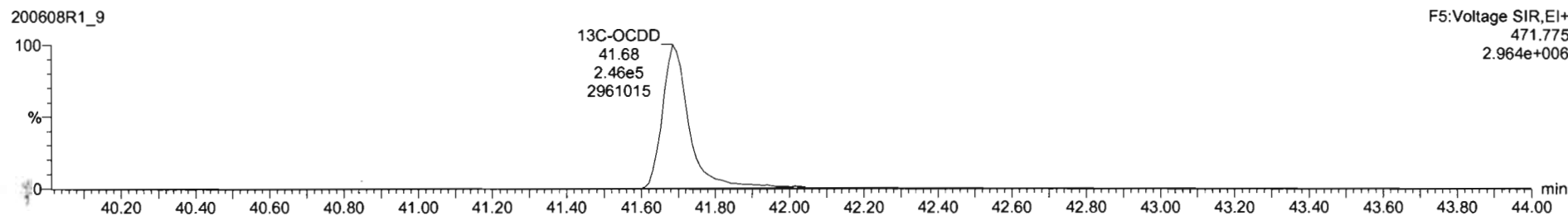
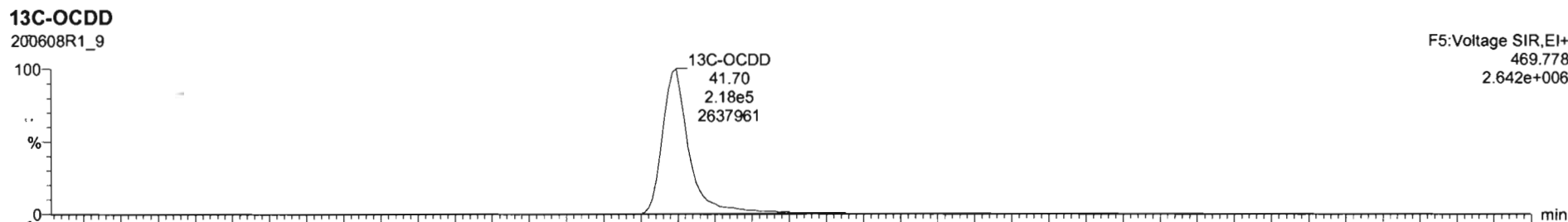
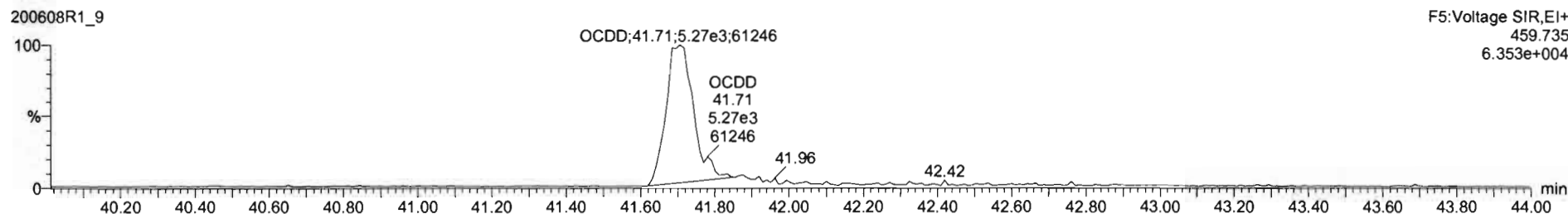
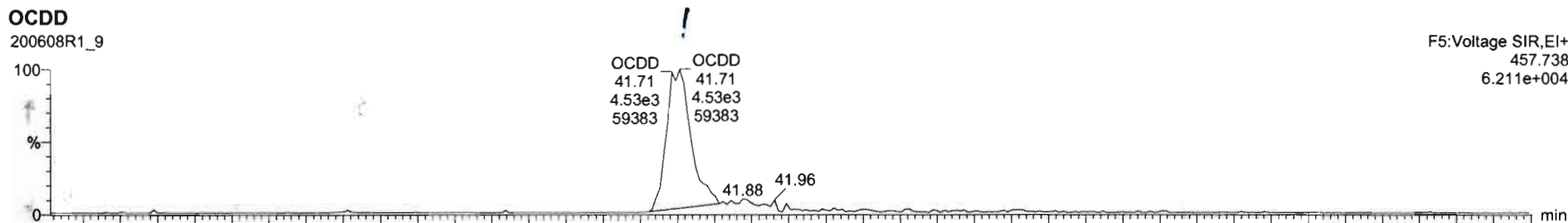
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	1.546e3	1.517e3	1.02	NO	2.4105	2.4105
2 1,2,3,4,6,7,8-HpCDD	38.73	8.718e2	9.101e2	0.96	NO	1.4023	1.4023



Dataset: Untitled

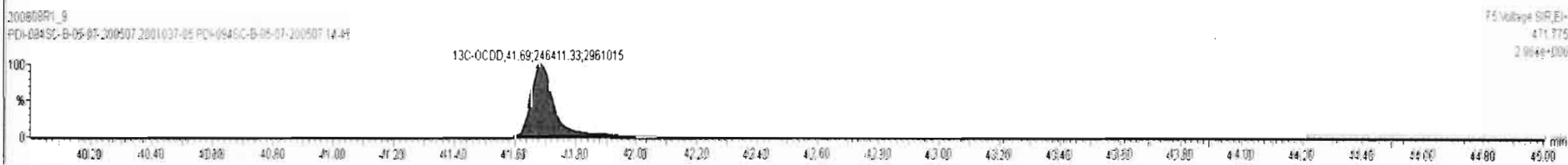
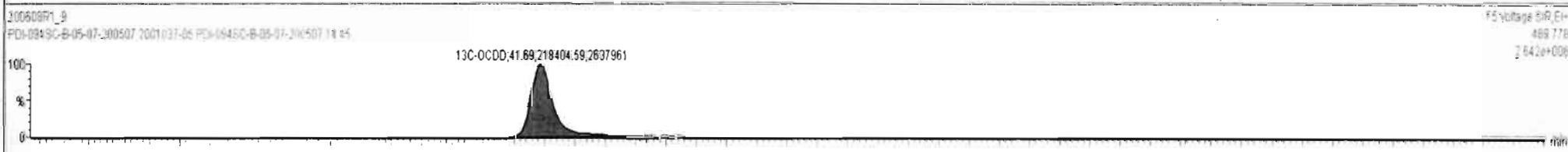
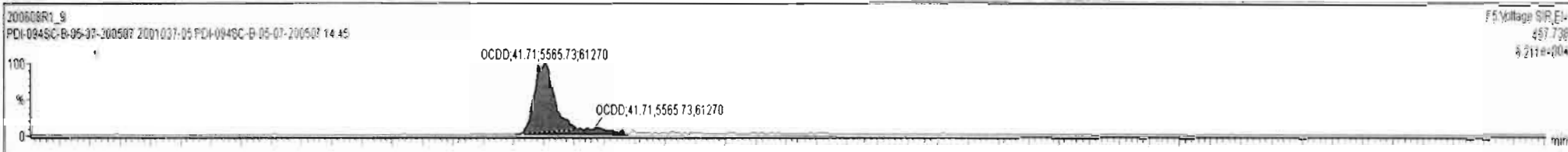
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec.	DL	EMPC
7 OCDD	1.17e4	0.91	NO	0.9136	10.271	41.71	1.000	10.7		0.286	10.7
8 2,3,7,8-TCDF			NO	0.7510	10.271					0.0585	
9 1,2,3,7,8-PeCDF			NO	0.8925	10.271					0.0709	

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



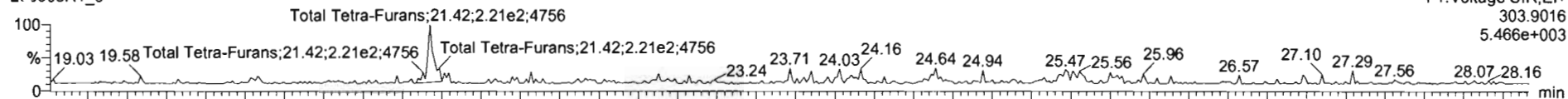
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

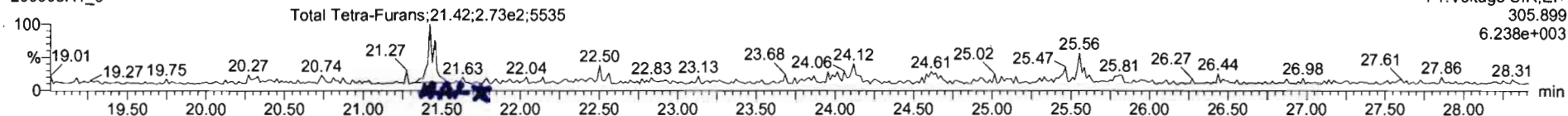
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2,3,7,8-TCDF

200608R1_9

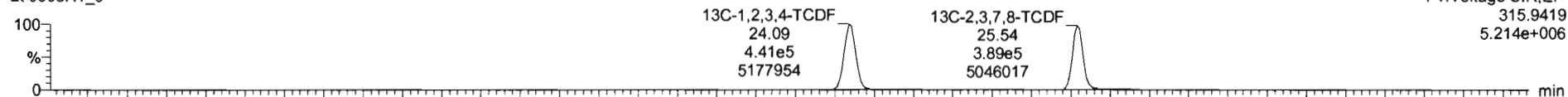


200608R1_9

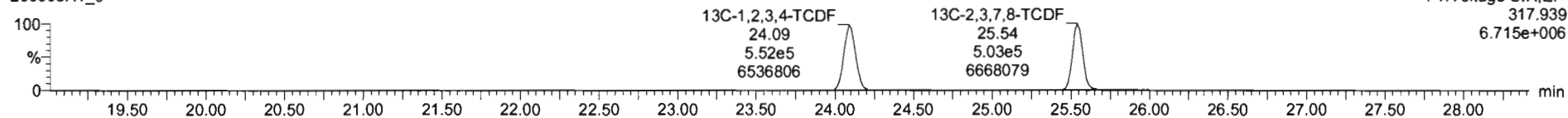


13C-2,3,7,8-TCDF

200608R1_9

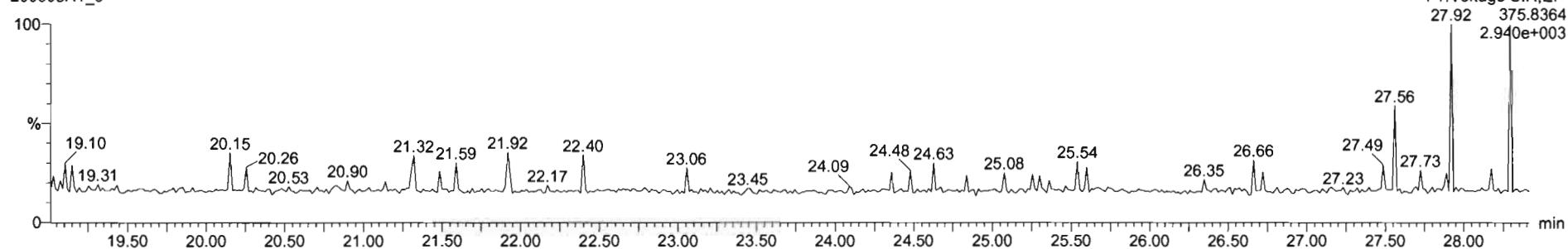


200608R1_9



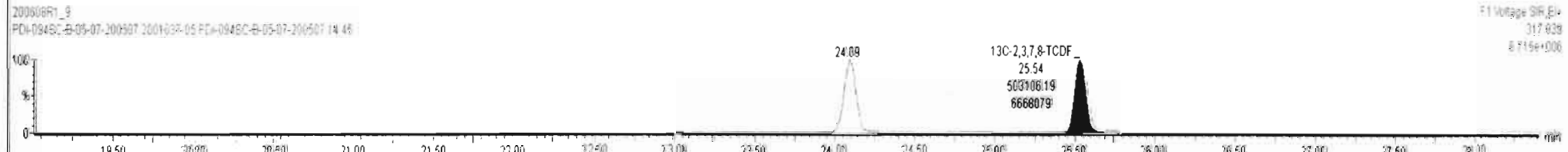
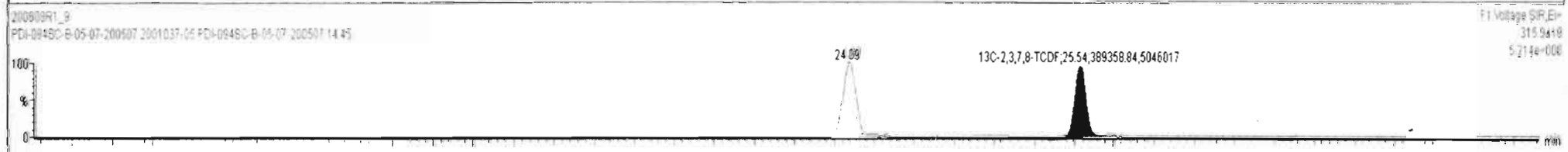
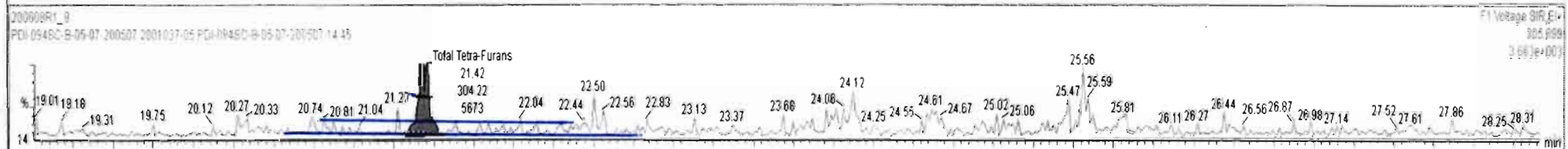
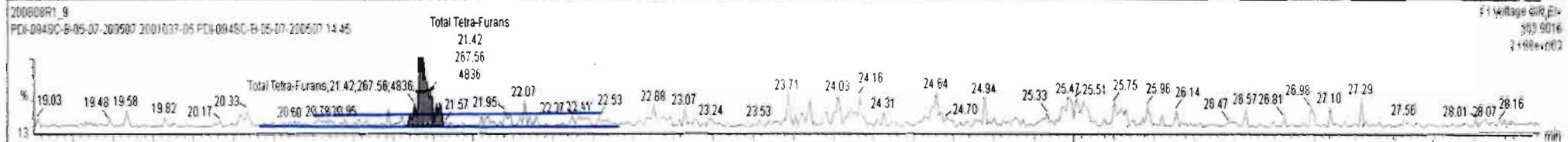
DPE1

200608R1_9



Name	Resp	RA	n/y	RRF	wt/Avol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.271			0.000		0.0585	0.166
44 1st Func. Penta-Furans				0.8925	10.271					0.00849	
45 Total Penta-Furans				0.8925	10.271					0.0334	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	21.42	2.676e2	3.042e2	0.88	NO	0.16612	0.00000



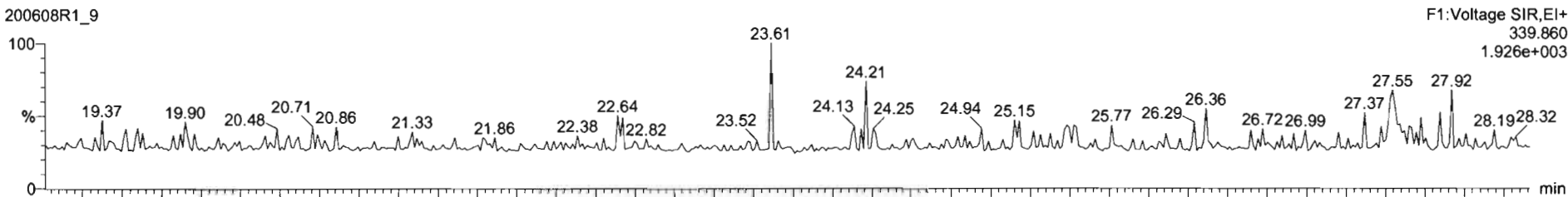
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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

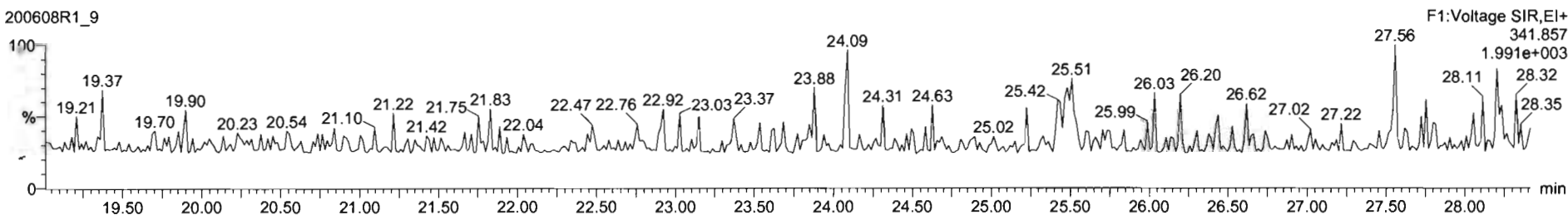
Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

1st Func. Penta-Furans

200608R1_9

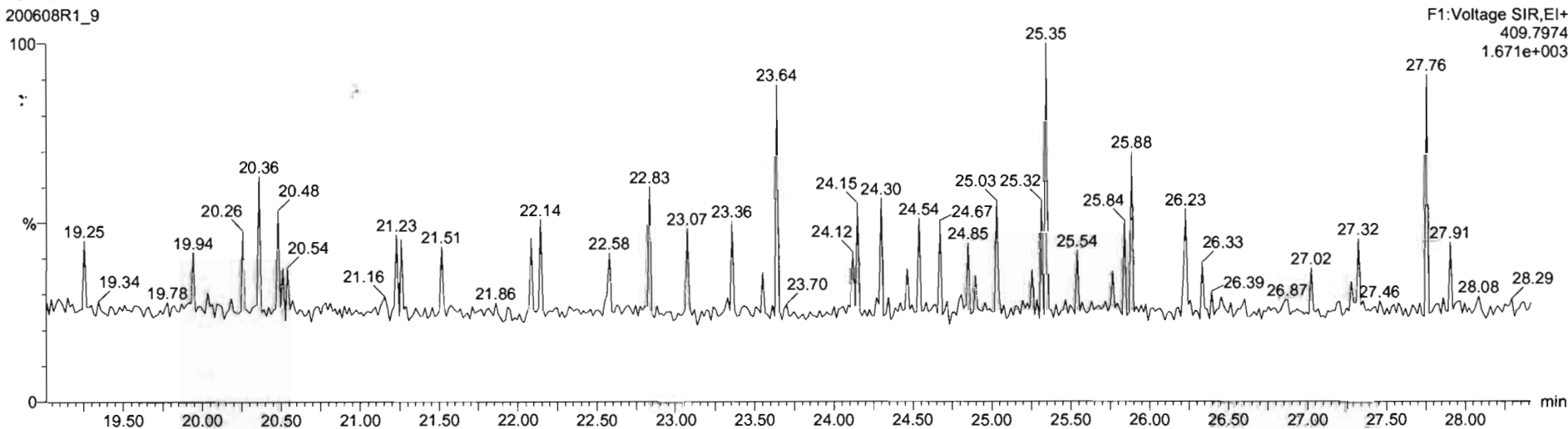


200608R1_9



DPE6

200608R1_9

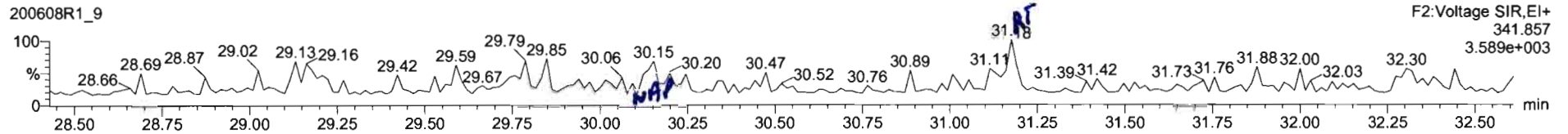
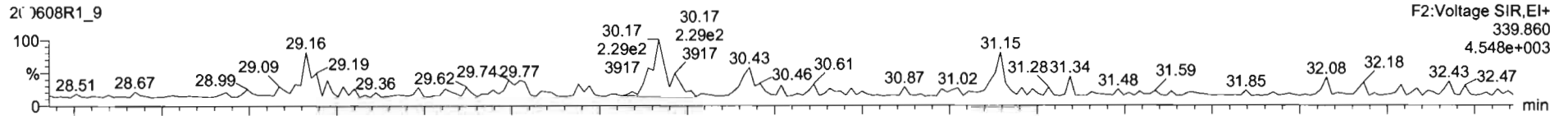


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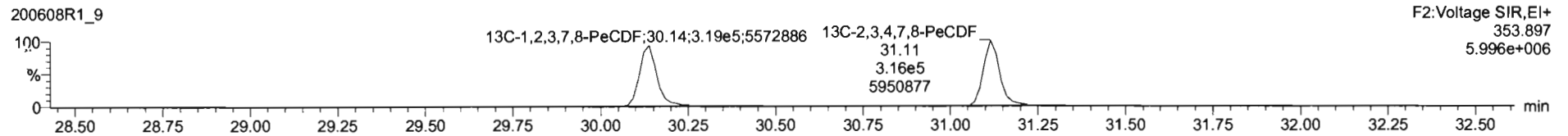
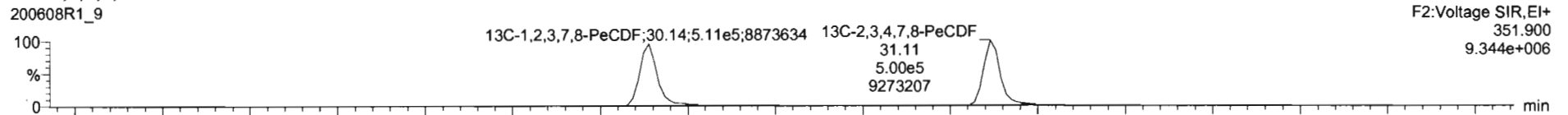
Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

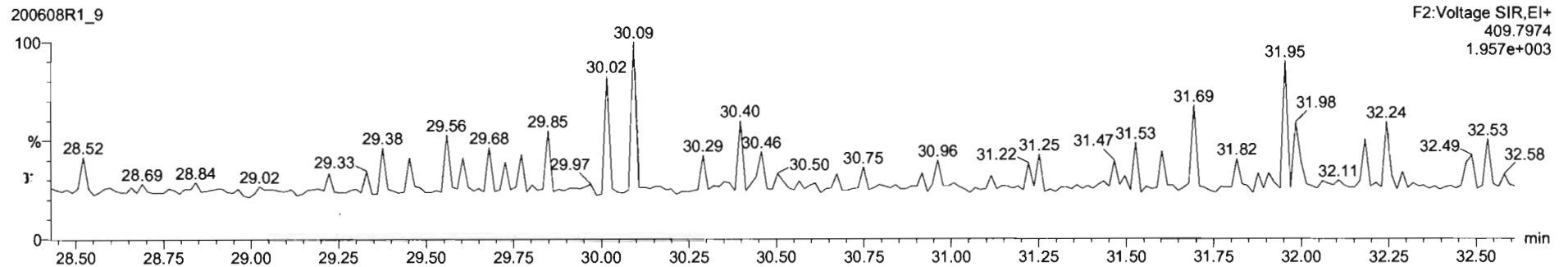
1,2,3,7,8-PeCDF



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



DPE2



Dataset: Untitled

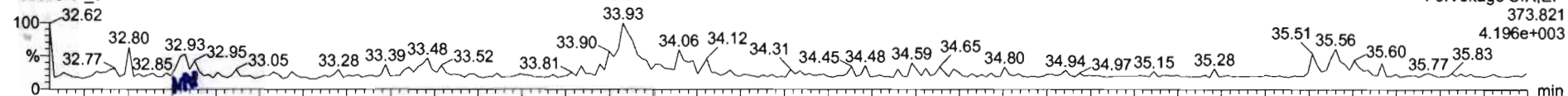
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

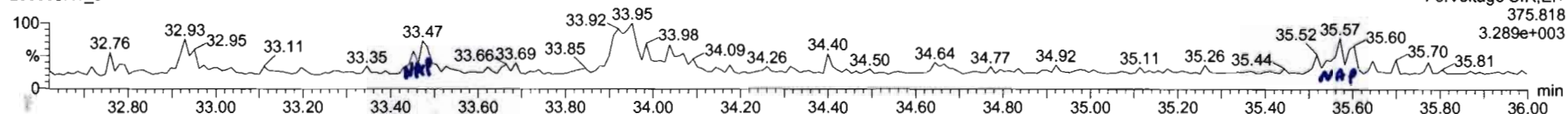
Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

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

200608R1_9

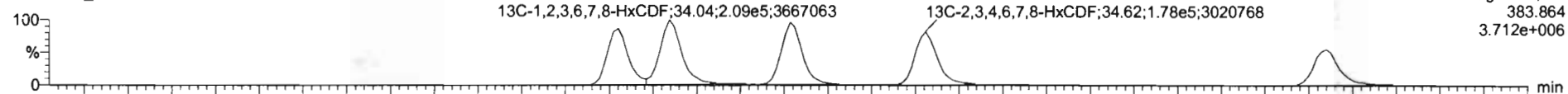


200608R1_9

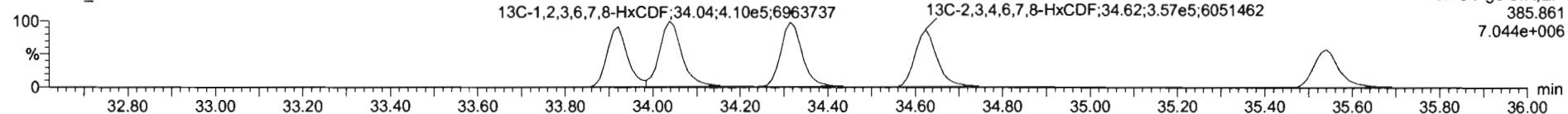


13C-1,2,3,4,7,8-HxCDF

200608R1_9

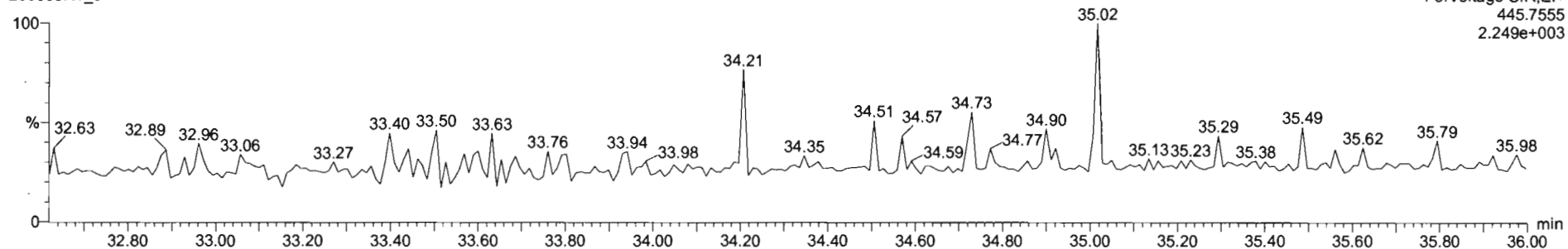


200608R1_9



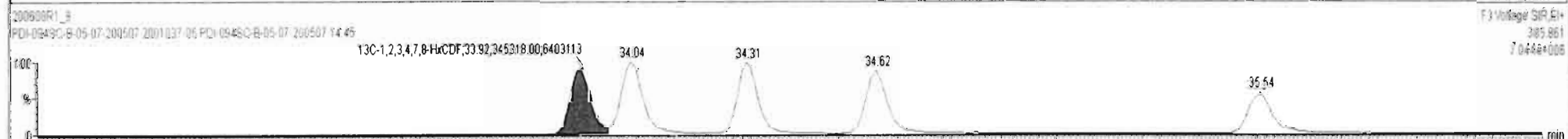
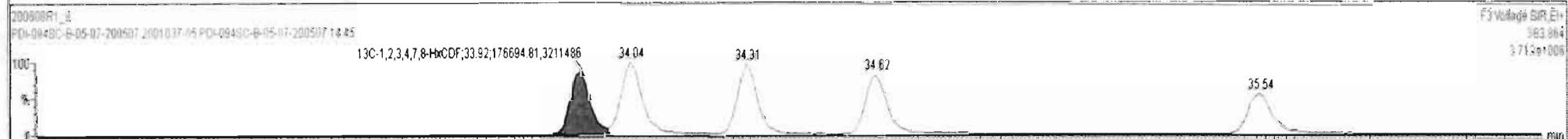
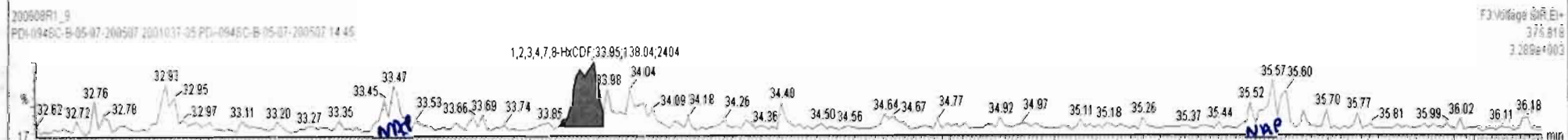
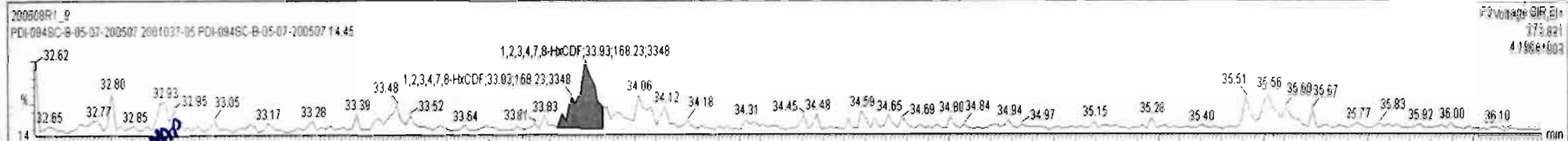
DPE3

200608R1_9



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.271			0.129		0.0366	0.129
47 Total Hepta-Furans				0.8734	10.271					0.0780	
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,7,8-HxCDF	33.93	1.682e2	1.380e2	1.22	NO	0.12917	0.12917

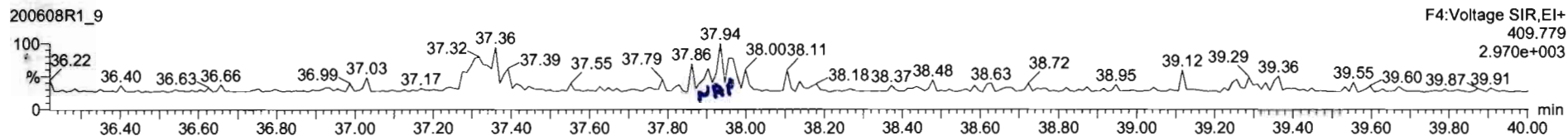
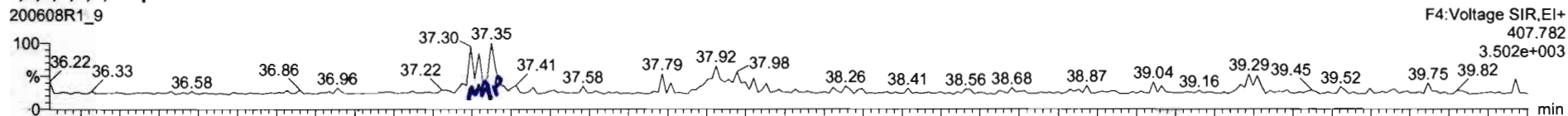


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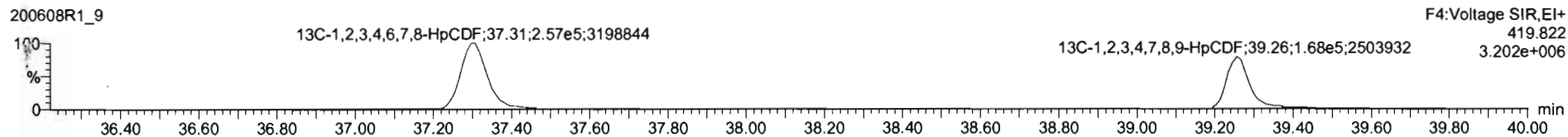
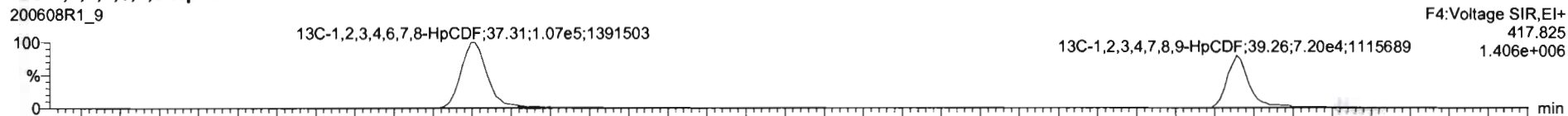
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507

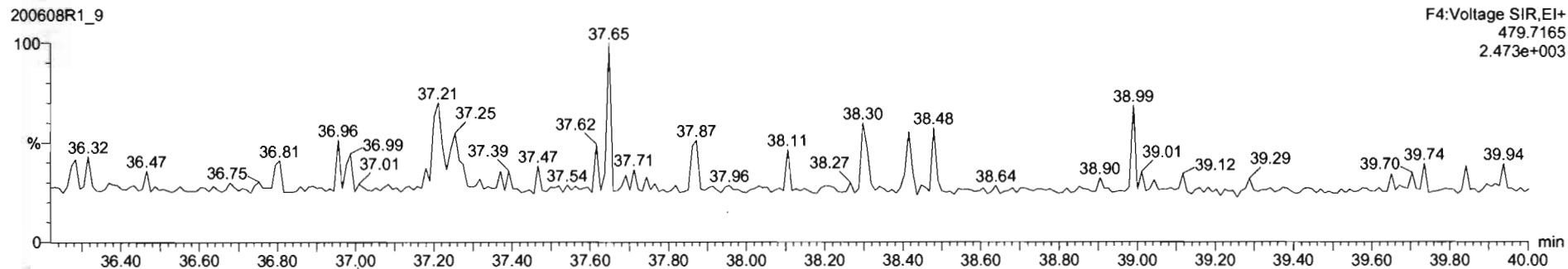
1,2,3,4,6,7,8-HpCDF



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



DPE4

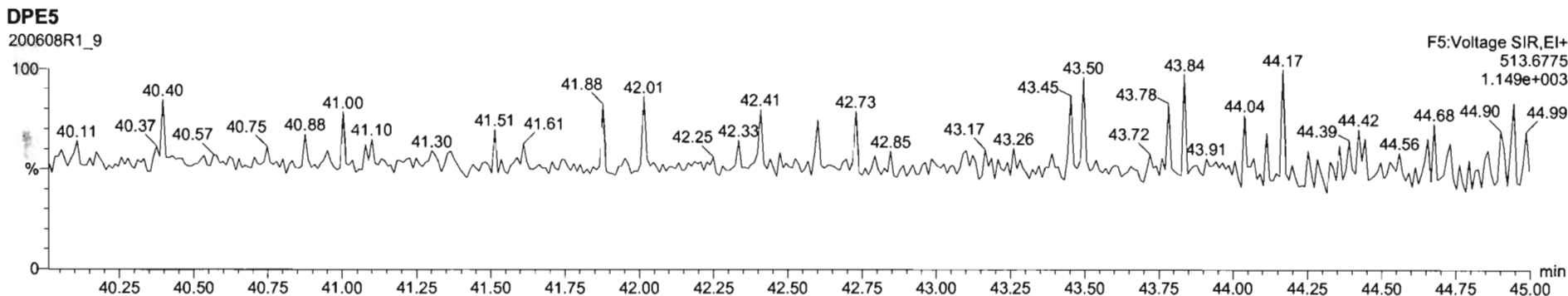
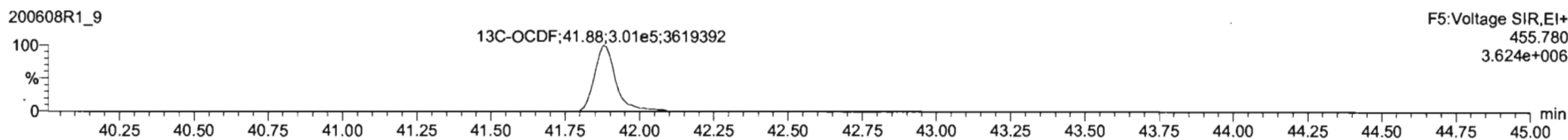
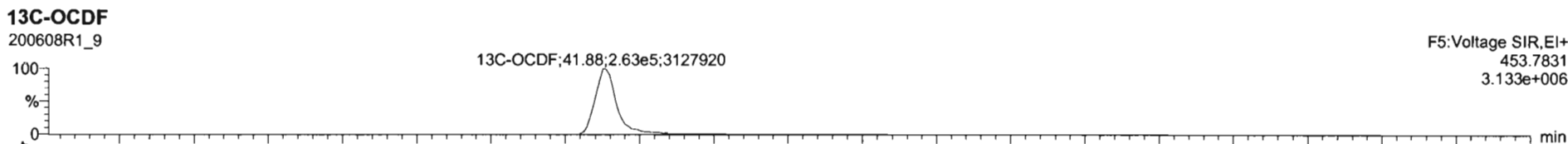
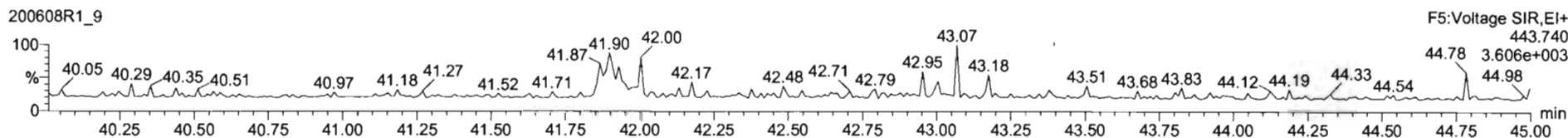
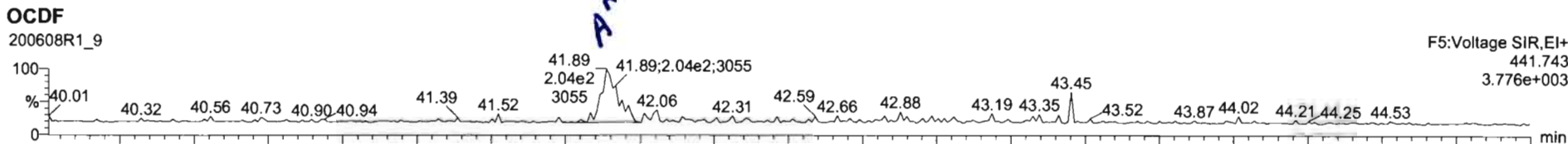


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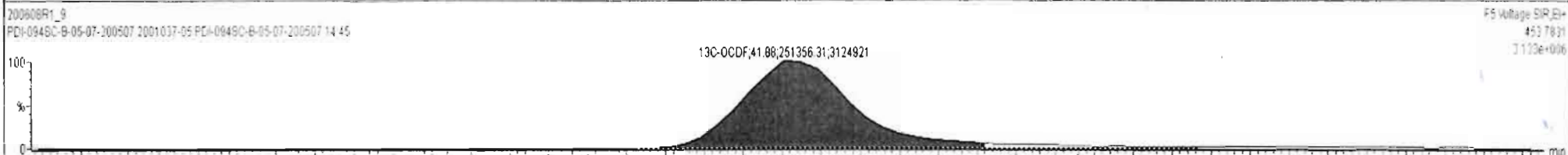
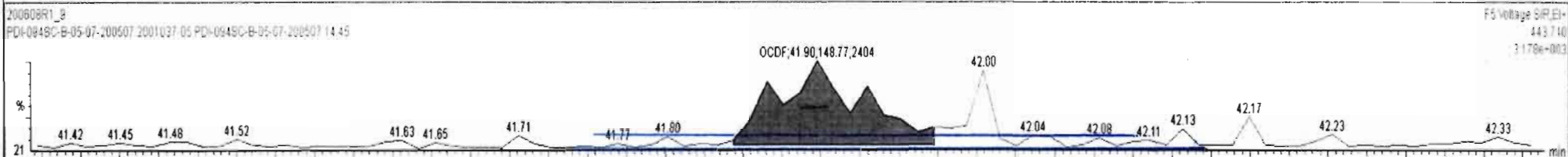
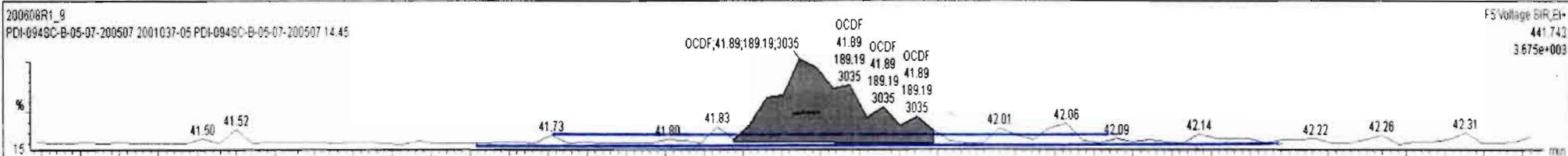
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
17	OCDF	3.38e2	1.27	YES	0.8065	10.271	41.89	1.000	0.301	0.152	0.251
18	13C-2,3,7,8-TCDD	6.82e5	0.79	NO	1.1563	10.271	26.44	1.026	182	93.4	0.339
19	13C-1,2,3,7,8-PeCDD	5.33e5	0.63	NO	0.8490	10.271	31.42	1.219	194	99.4	0.425

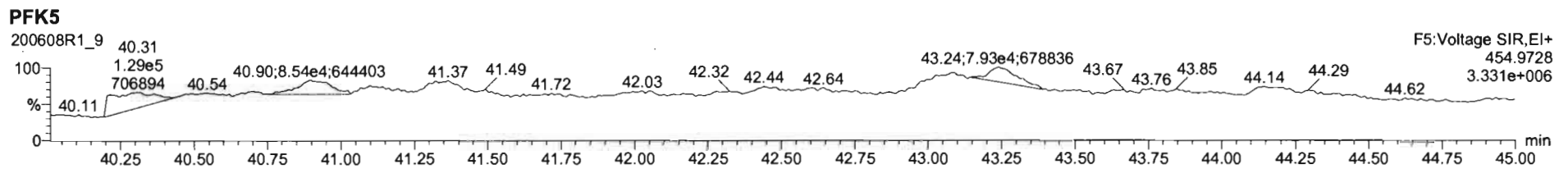
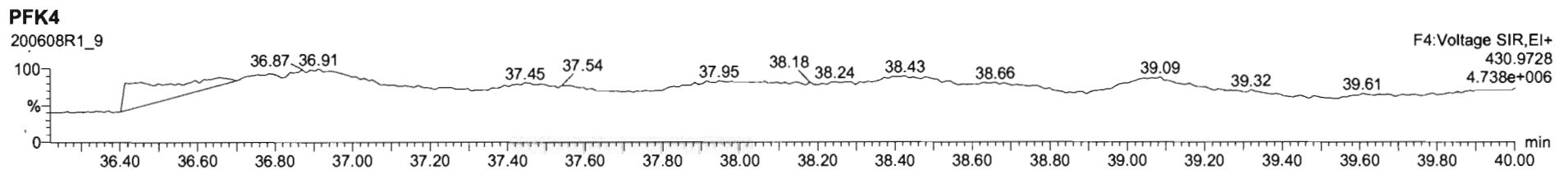
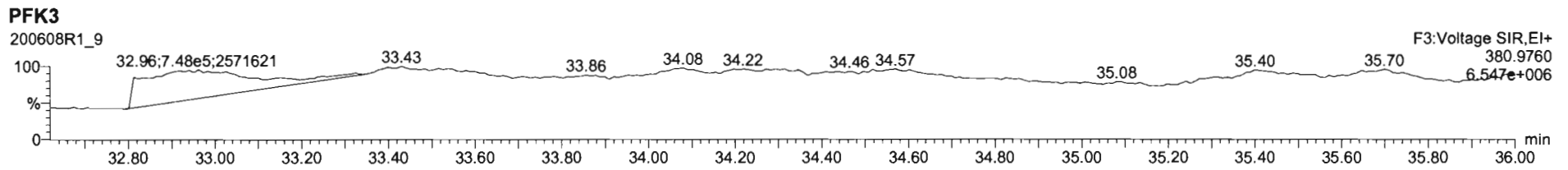
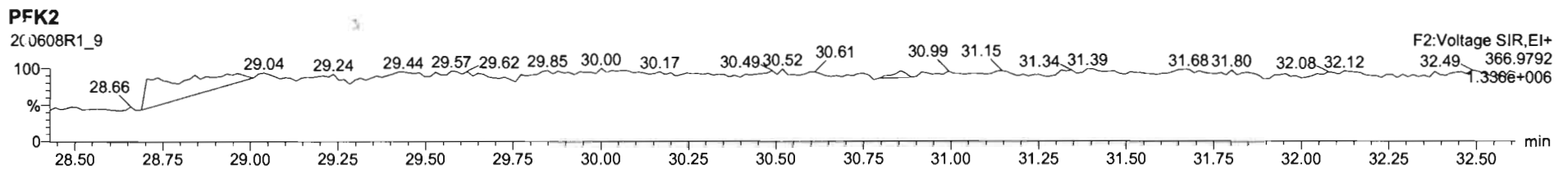
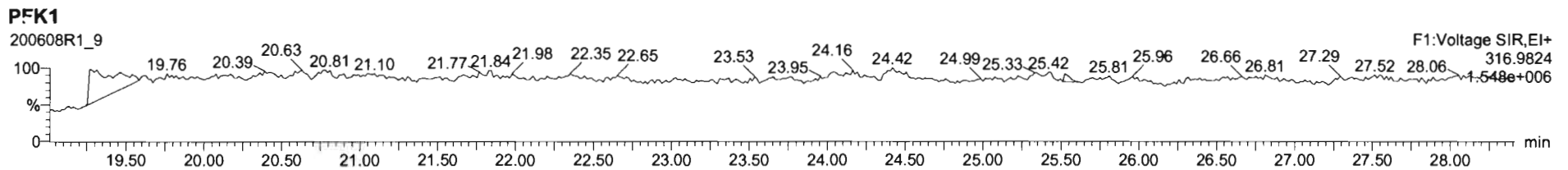
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_9, Date: 08-Jun-2020, Time: 17:54:32, ID: 2001037-05 PDI-094SC-B-05-07-200507 14.45, Description: PDI-094SC-B-05-07-200507



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-10b.qld

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Printed: Wednesday, June 24, 2020 15:49:36 Pacific Daylight Time

ly 06-24-2020

A 6/25/20

Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_10, Date: 08-Jun-2020, Time: 18:40:45, ID: 2001037-06 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

#	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	1.09e3	0.64	YES	0.888	10.102	26.471	26.44	1.001	1.000	0.50762		0.169	0.456
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.102	31.457		1.001				0.455	
3	3 1,2,3,4,7,8-HxCDD	1.51e3	1.22	NO	1.03	10.102	34.814	34.90	1.000	1.003	1.2202		0.277	1.22
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.102	34.911		1.000				0.293	
5	5 1,2,3,7,8,9-HxCDD	7.92e2	1.30	NO	0.887	10.102	35.199	35.21	1.000	1.001	0.66605		0.342	0.666
6	6 1,2,3,4,6,7,8-HpCDD	2.37e4	1.04	NO	0.864	10.102	38.736	38.73	1.000	1.000	28.032		0.553	28.0
7	7 OCDD	2.66e5	0.93	NO	0.914	10.102	41.706	41.72	1.000	1.000	381.08		1.23	381
8	8 2,3,7,8-TCDF	2.06e4	0.75	NO	0.751	10.102	25.567	25.57	1.001	1.001	8.3233	ok	0.168	8.32
9	9 1,2,3,7,8-PeCDF	1.95e4	1.46	NO	0.893	10.102	30.160	30.15	1.001	1.000	7.6885		0.204	7.69
10	10 2,3,4,7,8-PeCDF	9.64e3	1.49	NO	0.935	10.102	31.149	31.15	1.001	1.001	3.6622		0.177	3.66
11	11 1,2,3,4,7,8-HxCDF	1.58e4	1.21	NO	0.884	10.102	33.931	33.95	1.000	1.001	10.683		0.270	10.7
12	12 1,2,3,6,7,8-HxCDF	6.56e3	1.13	NO	0.889	10.102	34.058	34.07	1.000	1.001	3.5845		0.241	3.58
13	13 2,3,4,6,7,8-HxCDF	2.10e3	1.11	NO	0.934	10.102	34.669	34.65	1.001	1.001	1.2932		0.249	1.29
14	14 1,2,3,7,8,9-HxCDF	1.04e3	1.14	NO	0.871	10.102	35.550	35.59	1.000	1.001	0.85442		0.406	0.854
15	15 1,2,3,4,6,7,8-HpCDF	1.46e4	1.03	NO	0.873	10.102	37.355	37.33	1.001	1.000	14.149		0.292	14.1
16	16 1,2,3,4,7,8,9-HpCDF	2.00e3	0.93	NO	1.01	10.102	39.278	39.29	1.000	1.000	2.5131		0.335	2.51
17	17 OCDF	2.13e4	0.85	NO	0.806	10.102	41.908	41.92	1.000	1.000	28.806		0.507	28.8
18	18 13C-2,3,7,8-TCDD	4.77e5	0.79	NO	1.16	10.102	26.461	26.44	1.026	1.026	171.66	86.7	0.302	
19	19 13C-1,2,3,7,8-PeCDD	3.56e5	0.61	NO	0.849	10.102	31.637	31.43	1.227	1.219	174.73	88.3	0.516	
20	20 13C-1,2,3,4,7,8-HxCDD	2.38e5	1.30	NO	0.779	10.102	34.820	34.80	1.014	1.014	144.80	73.1	0.610	
21	21 13C-1,2,3,6,7,8-HxCDD	3.00e5	1.27	NO	1.02	10.102	34.933	34.91	1.017	1.017	140.16	70.8	0.467	
22	22 13C-1,2,3,7,8,9-HxCDD	2.65e5	1.31	NO	0.903	10.102	35.205	35.19	1.025	1.025	139.39	70.4	0.526	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.94e5	1.07	NO	0.689	10.102	38.728	38.72	1.128	1.128	133.48	67.4	0.536	
24	24 13C-OCDD	3.03e5	0.90	NO	0.652	10.102	41.749	41.71	1.216	1.215	220.06	55.6	0.655	
25	25 13C-2,3,7,8-TCDF	6.51e5	0.77	NO	1.06	10.102	25.504	25.54	0.989	0.991	166.44	84.1	0.555	
26	26 13C-1,2,3,7,8-PeCDF	5.63e5	1.61	NO	0.838	10.102	30.023	30.14	1.165	1.169	181.96	91.9	0.792	
27	27 13C-2,3,4,7,8-PeCDF	5.58e5	1.62	NO	0.817	10.102	30.975	31.13	1.202	1.208	184.94	93.4	0.813	
28	28 13C-1,2,3,4,7,8-HxCDF	3.32e5	0.51	NO	1.01	10.102	33.951	33.93	0.989	0.988	156.15	78.9	0.825	
29	29 13C-1,2,3,6,7,8-HxCDF	4.08e5	0.52	NO	1.17	10.102	34.075	34.05	0.992	0.992	165.68	83.7	0.712	
30	30 13C-2,3,4,6,7,8-HxCDF	3.45e5	0.50	NO	1.02	10.102	34.648	34.63	1.009	1.009	159.97	80.8	0.813	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-10b.qld

Last Altered: Wednesday, June 24, 2020 15:36:05 Pacific Daylight Time

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Name: 200608R1_10, Date: 08-Jun-2020, Time: 18:40:45, ID: 2001037-06 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	2.76e5	0.51	NO	0.860	10.102	35.548	35.55	1.035	1.035	152.15	76.8	0.967	
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.34e5	0.42	NO	0.774	10.102	37.296	37.32	1.086	1.087	143.35	72.4	0.764	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.55e5	0.42	NO	0.521	10.102	39.325	39.28	1.145	1.144	141.35	71.4	1.14	
34	34 13C-OCDF	3.63e5	0.86	NO	0.746	10.102	41.921	41.91	1.221	1.221	230.93	58.3	0.698	
35	35 37Cl-2,3,7,8-TCDD	2.02e5			1.04	10.102	26.492	26.47	1.028	1.027	81.220	103	0.0997	
36	36 13C-1,2,3,4-TCDD	4.75e5	0.77	NO	1.00	10.102	25.800	25.78	1.000	1.000	197.98	100	0.349	
37	37 13C-1,2,3,4-TCDF	7.31e5	0.78	NO	1.00	10.102	24.360	24.09	1.000	1.000	197.98	100	0.588	
38	38 13C-1,2,3,4,6,9-HxCDF	4.17e5	0.50	NO	1.00	10.102	34.420	34.34	1.000	1.000	197.98	100	0.831	
39	39 Total Tetra-Dioxins				0.888	10.102	24.620		0.000		1.9510		0.169	2.97
40	40 Total Penta-Dioxins				0.908	10.102	29.960		0.000		1.4046		0.455	2.18
41	41 Total Hexa-Dioxins				0.892	10.102	33.635		0.000		12.949		0.316	12.9
42	42 Total Hepta-Dioxins				0.864	10.102	37.640		0.000		72.715		0.553	72.7
43	43 Total Tetra-Furans				0.751	10.102	23.610		0.000		30.248		0.168	31.2
44	44 1st Func. Penta-Furans				0.893	10.102	27.580		0.000		5.9206		0.0441	5.92
45	45 Total Penta-Furans				0.893	10.102	29.275		0.000		25.266		0.195	25.6
46	46 Total Hexa-Furans				0.934	10.102	33.555		0.000		32.858		0.271	33.0
47	47 Total Hepta-Furans				0.873	10.102	37.835		0.000		43.034		0.330	43.0

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-10b.qld

Last Altered: Wednesday, June 24, 2020 15:36:05 Pacific Daylight Time
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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_10, Date: 08-Jun-2020, Time: 18:40:45, ID: 2001037-06 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.41	2.009e4	1.954e4	1.618e3	1.885e3	0.86	NO	3.504e3	1.6387	1.6387	0.169
2	Total Tetra-Dioxins	22.85	3.945e3	5.495e3	4.309e2	4.598e2	0.94	YES	0.000e0	0.00000	0.38066	0.169
3	Total Tetra-Dioxins	23.35	4.452e3	2.863e3	2.359e2	2.143e2	1.10	YES	0.000e0	0.00000	0.17740	0.169
4	Total Tetra-Dioxins	24.22	3.431e3	4.758e3	3.026e2	3.654e2	0.83	NO	6.679e2	0.31238	0.31238	0.169
5	2,3,7,8-TCDD	26.44	5.737e3	8.921e3	4.242e2	6.612e2	0.64	YES	1.085e3	0.00000	0.45602	0.169

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	7.587e3	1.483e4	5.831e2	1.053e3	0.55	NO	1.637e3	1.0018	1.0018	0.455
2	Total Penta-Dioxins	29.70	7.193e3	6.553e3	2.660e2	3.919e2	0.68	NO	6.579e2	0.40275	0.40275	0.455
3	Total Penta-Dioxins	30.18	6.230e3	1.016e4	2.508e2	5.084e2	0.49	YES	0.000e0	0.00000	0.39723	0.455
4	Total Penta-Dioxins	30.38	3.465e3	4.635e3	1.572e2	2.147e2	0.73	YES	0.000e0	0.00000	0.21429	0.455
5	Total Penta-Dioxins	30.44	3.673e3	2.702e3	1.651e2	1.684e2	0.98	YES	0.000e0	0.00000	0.16802	0.455

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.32	6.784e4	5.398e4	3.515e3	2.914e3	1.21	NO	6.429e3	5.3260	5.3260	0.316
2	Total Hexa-Dioxins	33.87	7.279e3	6.371e3	4.210e2	3.135e2	1.34	NO	7.345e2	0.60846	0.60846	0.316
3	Total Hexa-Dioxins	34.12	4.406e4	3.657e4	3.201e3	2.514e3	1.27	NO	5.715e3	4.7340	4.7340	0.316
4	Total Hexa-Dioxins	34.23	4.160e3	5.772e3	2.468e2	2.290e2	1.08	NO	4.759e2	0.39420	0.39420	0.316
5	1,2,3,4,7,8-HxCDD	34.90	1.228e4	1.045e4	8.311e2	6.835e2	1.22	NO	1.515e3	1.2202	1.2202	0.277
6	1,2,3,7,8,9-HxCDD	35.21	6.653e3	5.884e3	4.478e2	3.438e2	1.30	NO	7.915e2	0.66605	0.66605	0.342

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-10b.qld

Last Altered: Wednesday, June 24, 2020 15:36:05 Pacific Daylight Time

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Name: 200608R1_10, Date: 08-Jun-2020, Time: 18:40:45, ID: 2001037-06 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.72	2.699e5	2.446e5	1.945e4	1.837e4	1.06	NO	3.782e4	44.683	44.683	0.553
2	1,2,3,4,6,7,8-HpCDD	38.73	1.749e5	1.662e5	1.211e4	1.161e4	1.04	NO	2.372e4	28.032	28.032	0.553

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.30	4.052e3	7.733e3	3.425e2	4.630e2	0.74	NO	8.055e2	0.32621	0.32621	0.168
2	Total Tetra-Furans	20.80	9.899e3	9.684e3	6.355e2	7.870e2	0.81	NO	1.423e3	0.57610	0.57610	0.168
3	Total Tetra-Furans	21.41	3.390e4	4.504e4	3.070e3	3.984e3	0.77	NO	7.054e3	2.8569	2.8569	0.168
4	Total Tetra-Furans	22.38	2.647e4	4.446e4	3.103e3	4.381e3	0.71	NO	7.484e3	3.0309	3.0309	0.168
5	Total Tetra-Furans	22.86	2.052e4	2.716e4	1.975e3	2.709e3	0.73	NO	4.685e3	1.8972	1.8972	0.168
6	Total Tetra-Furans	23.25	6.314e3	8.137e3	6.192e2	7.498e2	0.83	NO	1.369e3	0.55442	0.55442	0.168
7	Total Tetra-Furans	24.03	1.156e4	1.768e4	9.924e2	1.444e3	0.69	NO	2.436e3	0.98658	0.98658	0.168
8	Total Tetra-Furans	24.09	1.940e4	2.306e4	1.564e3	2.041e3	0.77	NO	3.605e3	1.4601	1.4601	0.168
9	Total Tetra-Furans	24.61	9.694e4	1.339e5	8.154e3	1.070e4	0.76	NO	1.886e4	7.6361	7.6361	0.168
10	Total Tetra-Furans	24.93	6.463e3	8.910e3	4.970e2	6.937e2	0.72	NO	1.191e3	0.48220	0.48220	0.168
11	Total Tetra-Furans	25.47	1.632e4	2.594e4	9.961e2	1.494e3	0.67	NO	2.491e3	1.0086	1.0086	0.168
12	2,3,7,8-TCDF	25.57	1.099e5	1.549e5	8.775e3	1.178e4	0.75	NO	2.055e4	8.3233	8.3233	0.168
13	Total Tetra-Furans	25.96	6.923e3	9.934e3	5.938e2	7.941e2	0.75	NO	1.388e3	0.56205	0.56205	0.168
14	Total Tetra-Furans	27.14	5.812e3	7.307e3	3.089e2	4.186e2	0.74	NO	7.275e2	0.29461	0.29461	0.168
15	Total Tetra-Furans	27.25	3.916e3	7.258e3	2.766e2	3.473e2	0.80	NO	6.238e2	0.25264	0.25264	0.168
16	Total Tetra-Furans	27.59	1.727e4	2.080e4	1.239e3	1.278e3	0.97	YES	0.000e0	0.00000	0.91625	0.168

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	1.416e5	8.708e4	9.171e3	5.788e3	1.58	NO	1.496e4	5.9206	5.9206	0.0441

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Dataset: U:\VG12.PRO\Results\200608R1\200608R1-10b.qld

Last Altered: Wednesday, June 24, 2020 15:36:05 Pacific Daylight Time

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Name: 200608R1_10, Date: 08-Jun-2020, Time: 18:40:45, ID: 2001037-06 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.01	8.567e3	1.003e4	5.601e2	4.822e2	1.16	YES	0.000e0	0.00000	0.36467	0.195
2	Total Penta-Furans	29.16	1.312e5	8.891e4	9.538e3	6.628e3	1.44	NO	1.617e4	6.3983	6.3983	0.195
3	Total Penta-Furans	29.74	3.003e4	2.258e4	2.051e3	1.298e3	1.58	NO	3.349e3	1.3256	1.3256	0.195
4	Total Penta-Furans	29.97	2.764e4	1.699e4	1.764e3	9.900e2	1.78	NO	2.754e3	1.0899	1.0899	0.195
5	1,2,3,7,8-PeCDF	30.15	1.852e5	1.296e5	1.159e4	7.933e3	1.46	NO	1.952e4	7.6885	7.6885	0.204
6	Total Penta-Furans	30.43	7.678e4	5.164e4	5.041e3	3.333e3	1.51	NO	8.375e3	3.3145	3.3145	0.195
7	2,3,4,7,8-PeCDF	31.15	1.084e5	6.990e4	5.779e3	3.866e3	1.49	NO	9.644e3	3.6622	3.6622	0.177
8	Total Penta-Furans	31.18	7.919e4	5.363e4	2.232e3	1.460e3	1.53	NO	3.692e3	1.4614	1.4614	0.195
9	Total Penta-Furans	32.08	8.534e3	5.597e3	4.976e2	3.255e2	1.53	NO	8.230e2	0.32574	0.32574	0.195

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.77	2.635e4	2.828e4	1.425e3	1.185e3	1.20	NO	2.609e3	1.6270	1.6270	0.271
2	Total Hexa-Furans	32.93	9.373e4	7.277e4	4.719e3	3.733e3	1.26	NO	8.452e3	5.2697	5.2697	0.271
3	Total Hexa-Furans	33.30	2.885e3	3.690e3	1.147e2	1.516e2	0.76	YES	0.000e0	0.00000	0.12923	0.271
4	Total Hexa-Furans	33.48	1.579e5	1.217e5	7.581e3	6.510e3	1.16	NO	1.409e4	8.7859	8.7859	0.271
5	Total Hexa-Furans	33.86	3.895e3	2.607e3	1.403e2	1.098e2	1.28	NO	2.501e2	0.15595	0.15595	0.271
6	1,2,3,4,7,8-HxCDF	33.95	1.588e5	1.246e5	8.658e3	7.171e3	1.21	NO	1.583e4	10.683	10.683	0.270
7	1,2,3,6,7,8-HxCDF	34.07	5.745e4	5.624e4	3.475e3	3.088e3	1.13	NO	6.563e3	3.5845	3.5845	0.241
8	2,3,4,6,7,8-HxCDF	34.65	1.963e4	1.823e4	1.105e3	9.977e2	1.11	NO	2.103e3	1.2932	1.2932	0.249
9	1,2,3,7,8,9-HxCDF	35.59	1.512e4	1.155e4	5.526e2	4.835e2	1.14	NO	1.036e3	0.85442	0.85442	0.406
10	Total Hexa-Furans	35.60	1.488e4	1.250e4	5.258e2	4.444e2	1.18	NO	9.702e2	0.60491	0.60491	0.271

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.33	1.001e5	1.007e5	7.402e3	7.208e3	1.03	NO	1.461e4	14.149	14.149	0.292
2	Total Hepta-Furans	37.95	1.457e5	1.691e5	1.123e4	1.142e4	0.98	NO	2.265e4	26.372	26.372	0.330
3	1,2,3,4,7,8,9-HpCDF	39.29	1.518e4	1.703e4	9.597e2	1.037e3	0.93	NO	1.996e3	2.5131	2.5131	0.335

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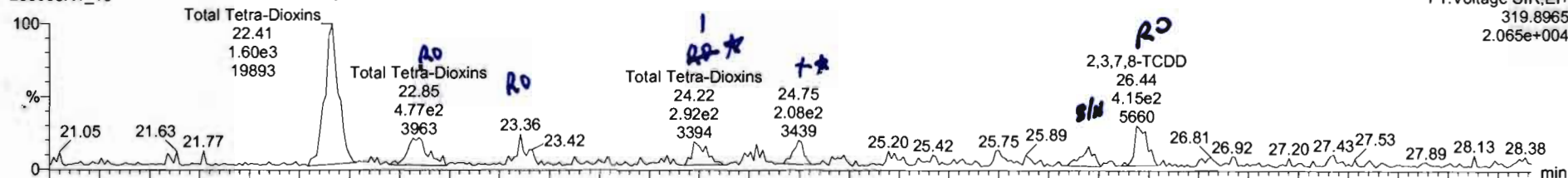
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July 06-11-2020

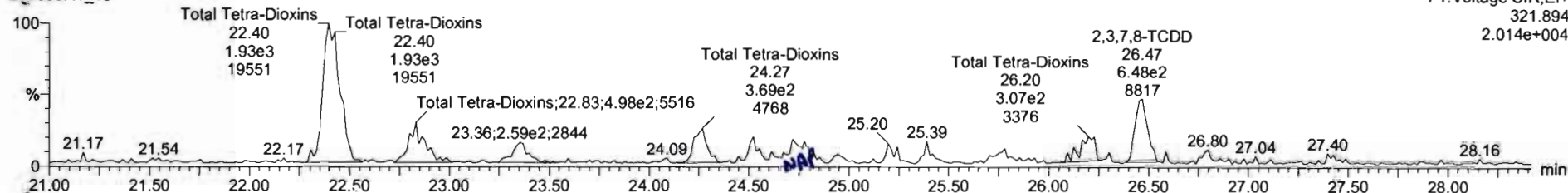
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2,3,7,8-TCDD

200608R1_10

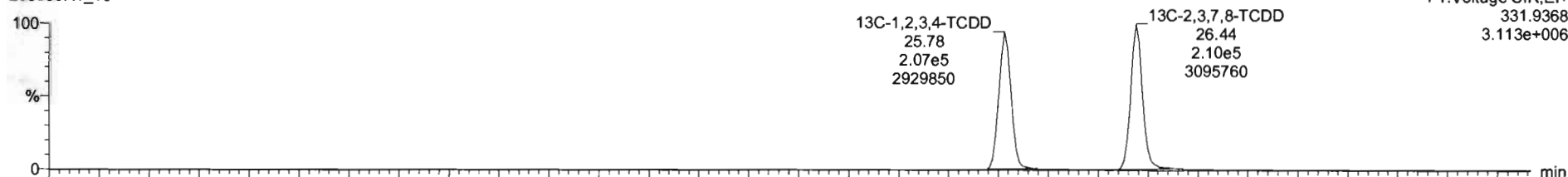


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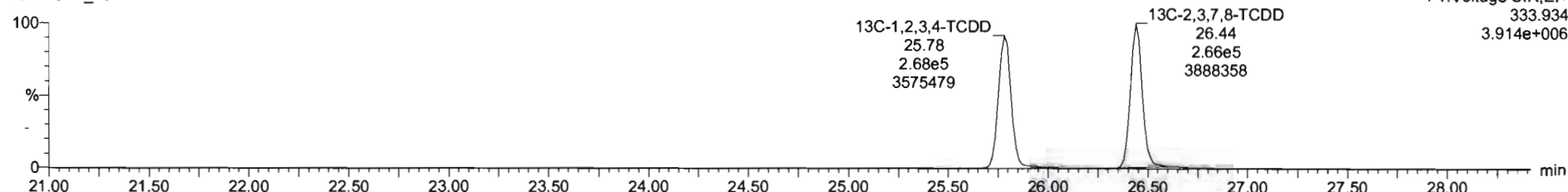


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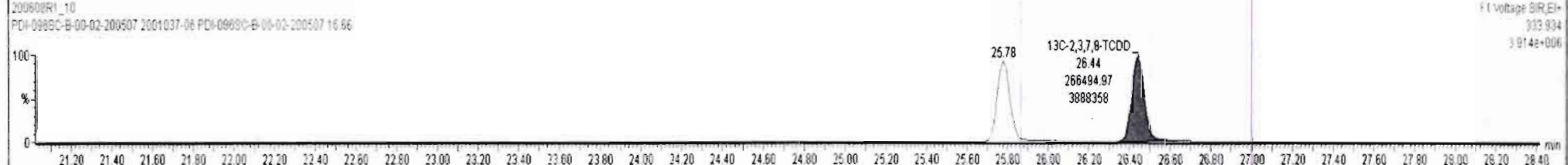
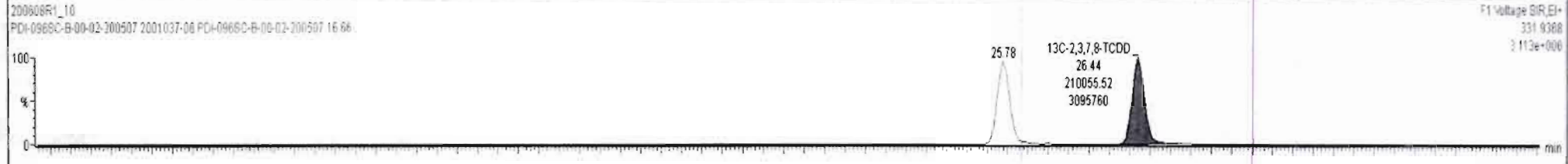
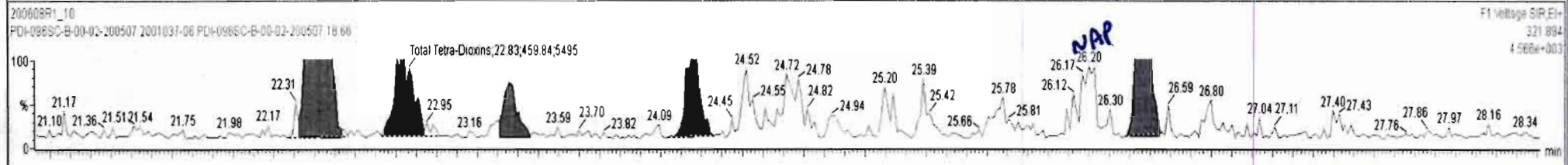
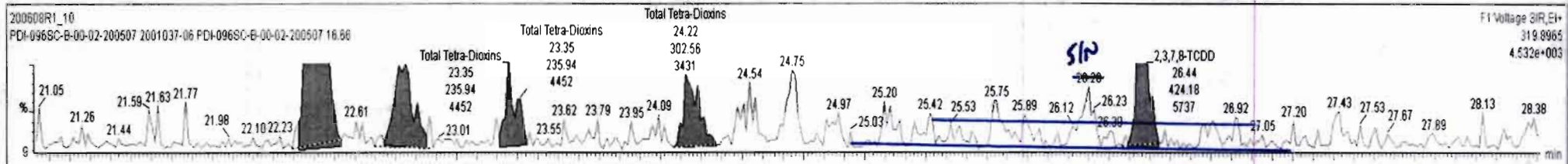


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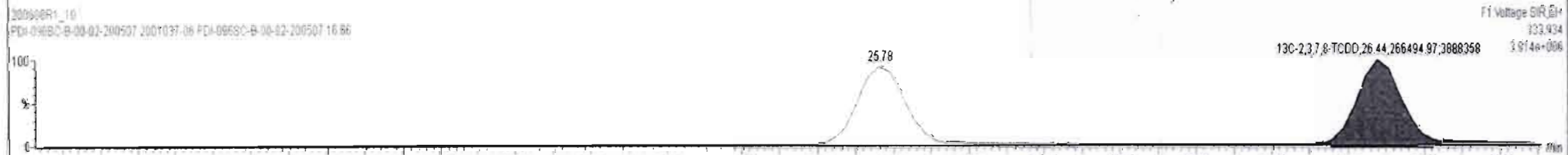
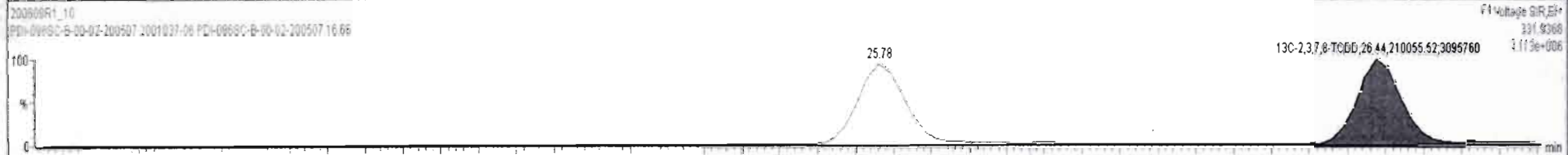
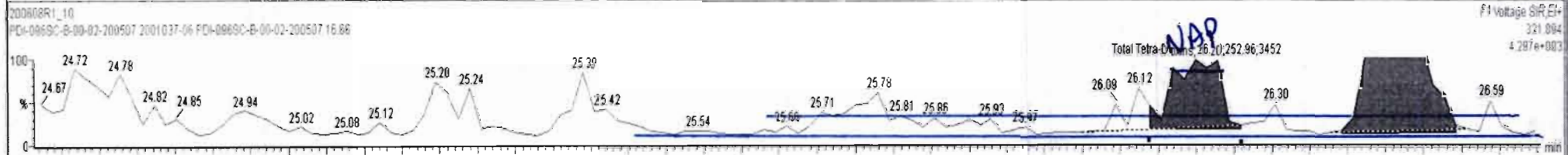
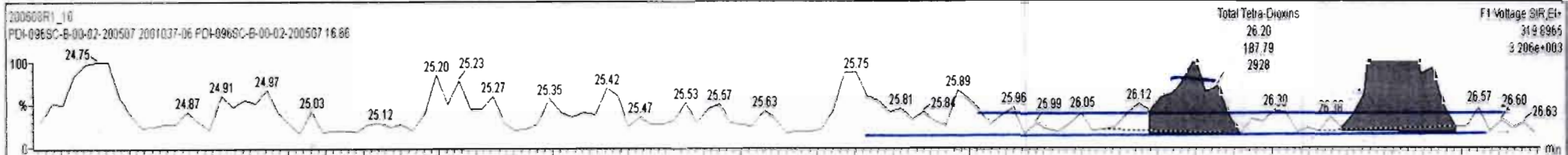
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.102			1.95		0.169	2.97
40 Total Penta-Dioxins				0.9081	10.102			1.40		0.455	1.80
41 Total Hexa-Dioxins				0.8923	10.102			12.9		0.316	12.9

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.41	1.619e3	1.885e3	0.86	NO	1.6387	1.6387
2 Total Tetra-Dioxins	22.85	4.309e2	4.598e2	0.94	YES	0.38066	0.00000
3 Total Tetra-Dioxins	23.35	2.359e2	2.143e2	1.10	YES	0.17740	0.00000
4 Total Tetra-Dioxins	24.22	3.026e2	3.654e2	0.83	NO	0.31238	0.31238
5 2,3,7,8-TCDD	26.44	4.242e2	6.612e2	0.64	YES	0.45602	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8683	10.102			2.19		0.169	3.21
40 Total Penta-Dioxins				0.9081	10.102			1.40		0.455	1.80
41 Total Hexa-Dioxins				0.8923	10.102			12.9		0.316	12.9

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.41	1.641e3	1.926e3	0.85	NO	1.6680	1.6681
2 Total Tetra-Dioxins	22.85	4.308e2	4.899e2	0.92	YES	0.38900	0.00000
3 Total Tetra-Dioxins	23.35	2.359e2	2.143e2	1.10	YES	0.17700	0.00000
4 Total Tetra-Dioxins	24.22	3.026e2	3.654e2	0.83	NO	0.31200	0.31238
5 Total Tetra-Dioxins	26.20	1.878e2	2.530e2	0.74	NO	0.20600	0.20613
6 2,3,7,8-TCDD	26.44	4.242e2	6.612e2	0.64	YES	0.45800	0.00000



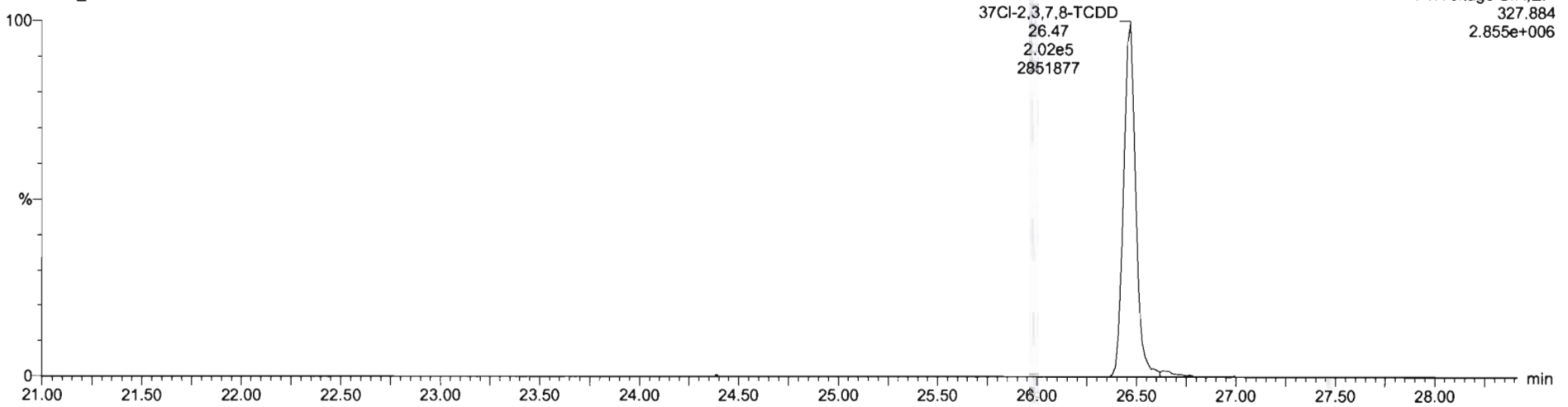
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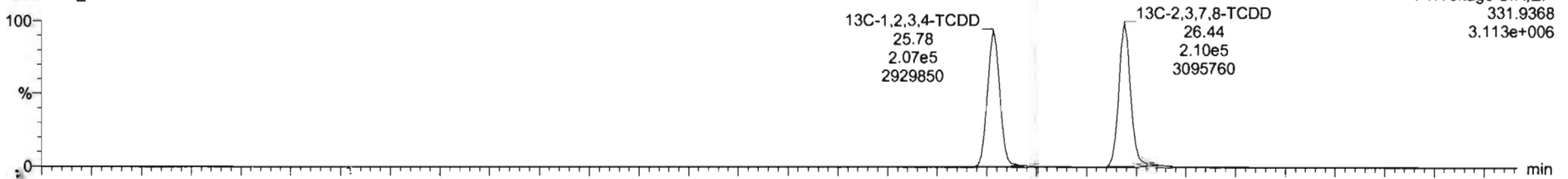
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200608R1_10

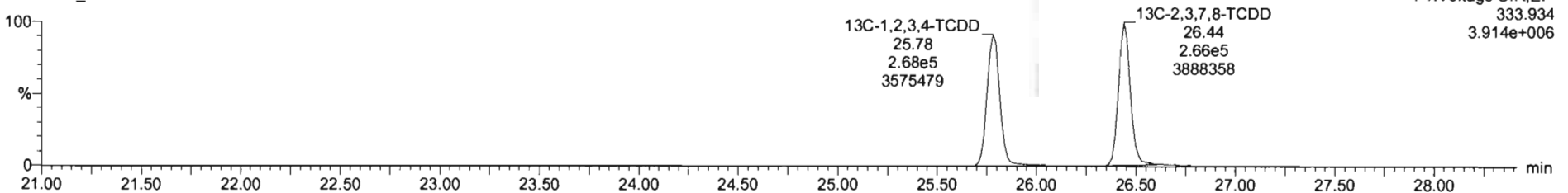


13C-1,2,3,4-TCDD

200608R1_10



200608R1_10



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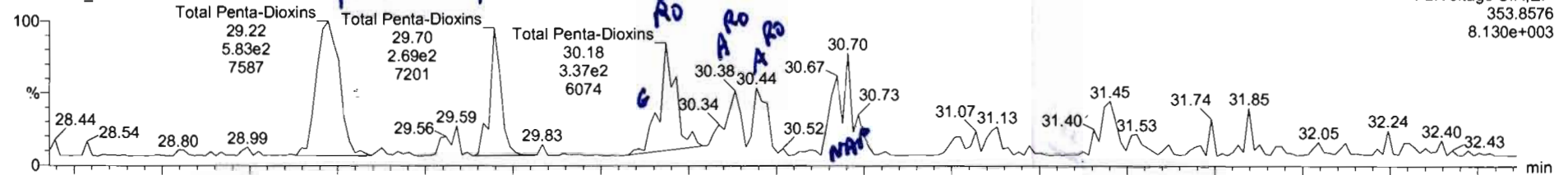
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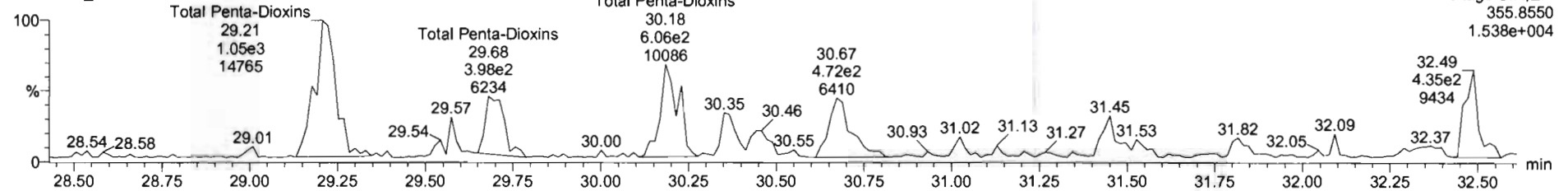
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1,2,3,7,8-PeCDD

200608R1_10

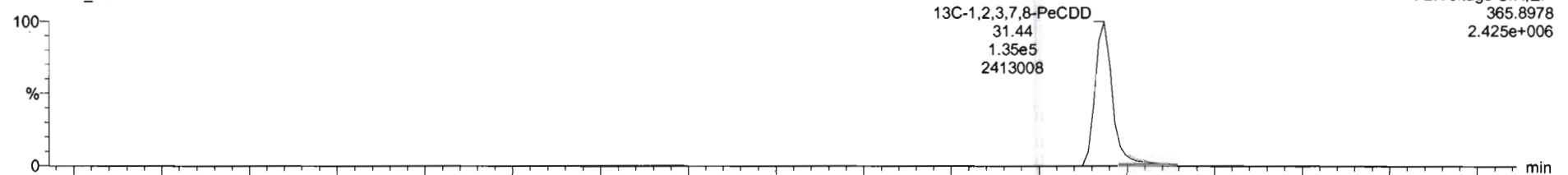


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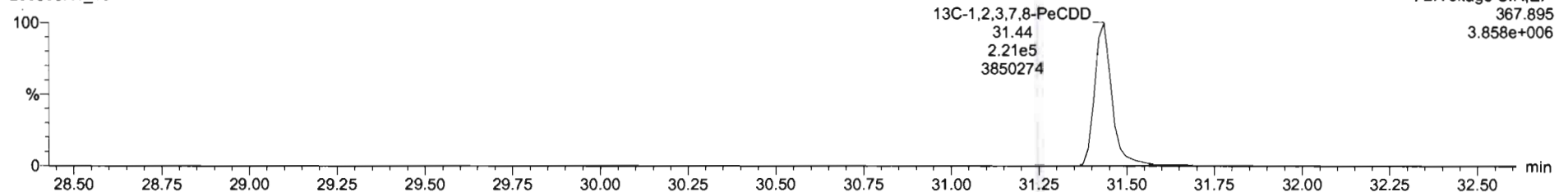


13C-1,2,3,7,8-PeCDD

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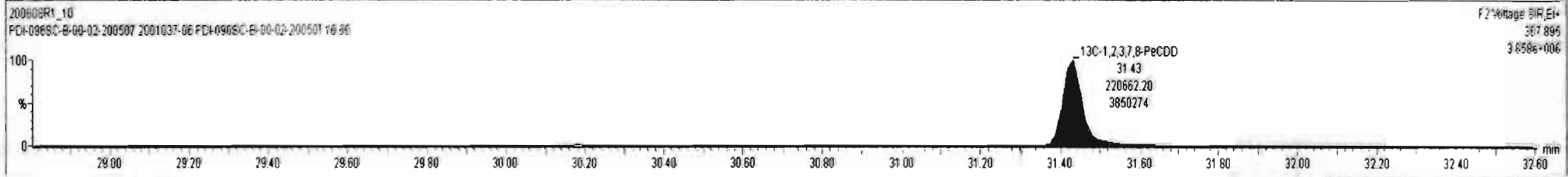
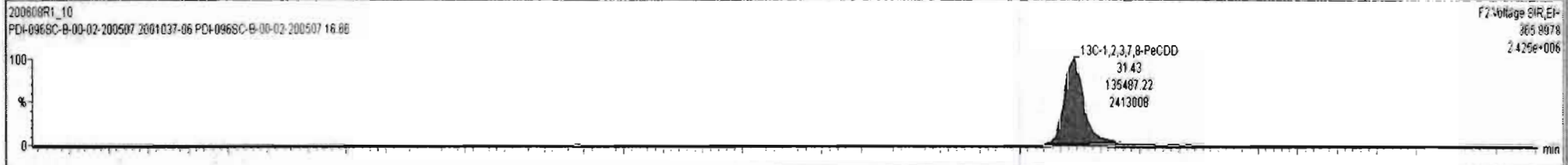
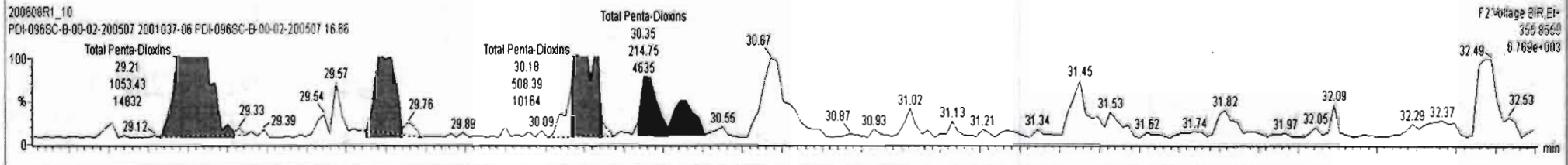
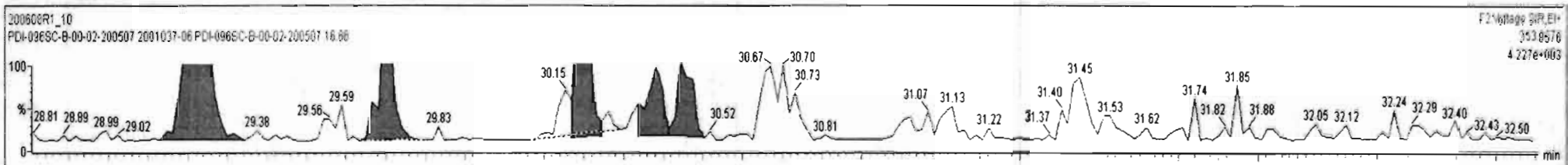


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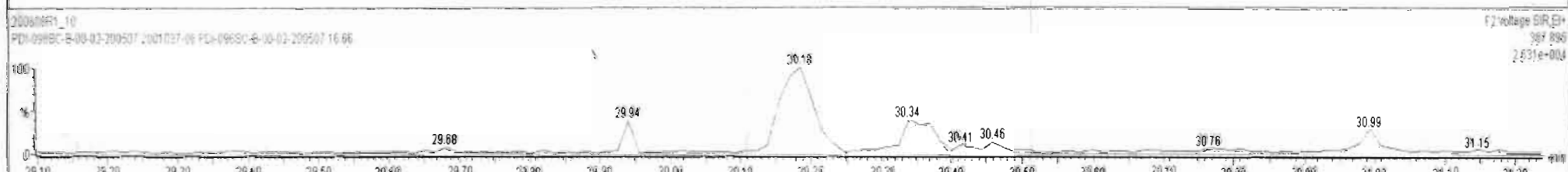
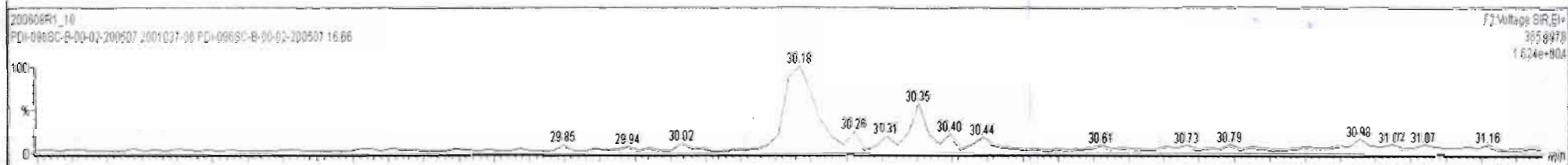
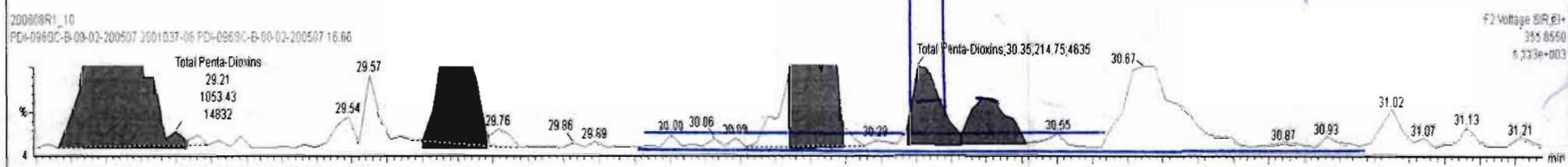
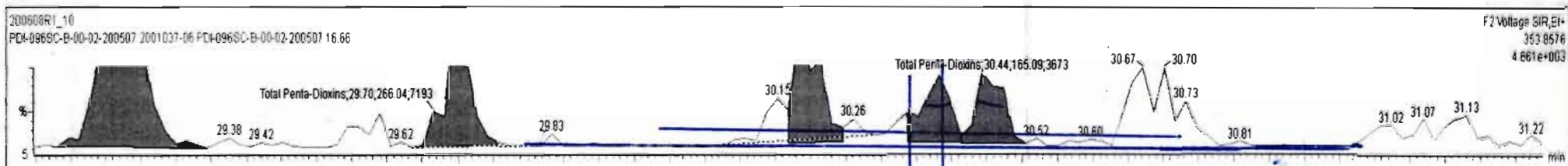
Name	Resp	RA	nly	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.102			1.95		0.169	2.97
40 Total Penta-Dioxins				0.9081	10.102			1.40		0.455	2.18
41 Total Hexa-Dioxins				0.8923	10.102			12.9		0.316	12.9

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.22	5.831e2	1.053e3	0.55	NO	1.0018	1.0016
2 Total Penta-Dioxins	29.70	2.660e2	3.919e2	0.68	NO	0.40275	0.40275
3 Total Penta-Dioxins	30.18	2.508e2	5.084e2	0.49	YES	0.39723	0.00000
4 Total Penta-Dioxins	30.38	1.572e2	2.147e2	0.73	YES	0.21429	0.00000
5 Total Penta-Dioxins	30.44	1.651e2	1.684e2	0.96	YES	0.16802	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.102			1.95		0.169	2.97
40 Total Penta-Dioxins				0.9081	10.102			1.40		0.455	2.18
41 Total Hexa-Dioxins				0.8923	10.102			12.9		0.316	12.9

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	5.831e2	1.053e3	0.55	NO	1.0018	1.0018
2 Total Penta-Dioxins	29.70	2.660e2	3.919e2	0.68	NO	0.40275	0.40275
3 Total Penta-Dioxins	30.18	2.508e2	5.084e2	0.49	YES	0.39723	0.00000
4 Total Penta-Dioxins	30.38	1.572e2	2.147e2	0.73	YES	0.21429	0.00000
5 Total Penta-Dioxins	30.44	1.651e2	1.684e2	0.98	YES	0.16802	0.00000



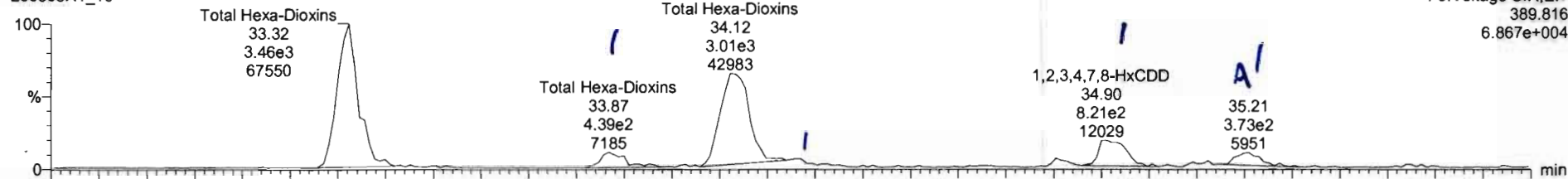
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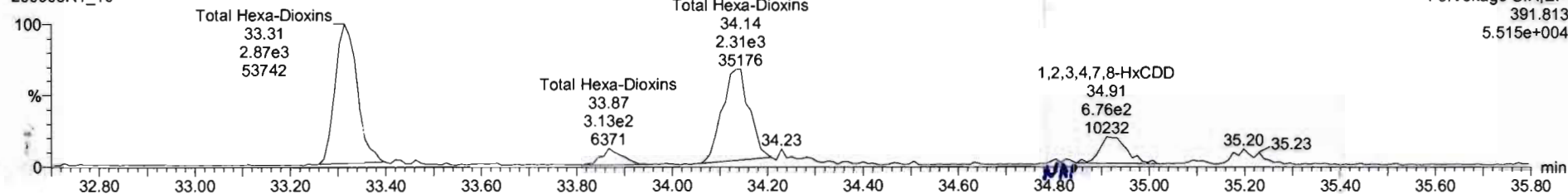
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1,2,3,4,7,8-HxCDD

200608R1_10

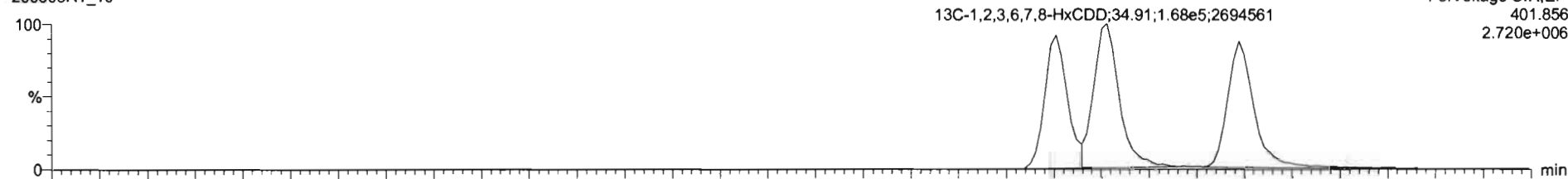


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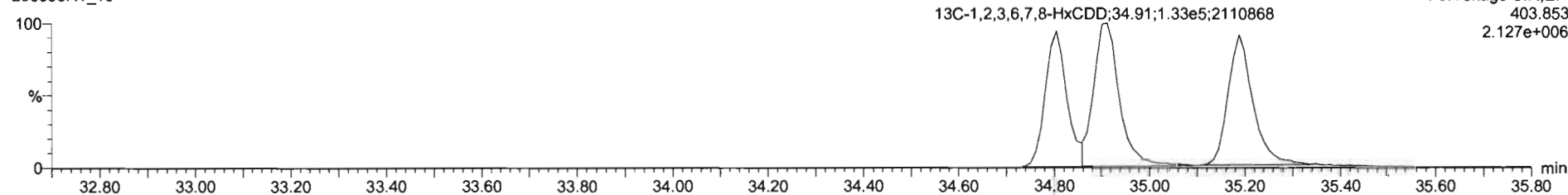


13C-1,2,3,4,7,8-HxCDD

200608R1_10

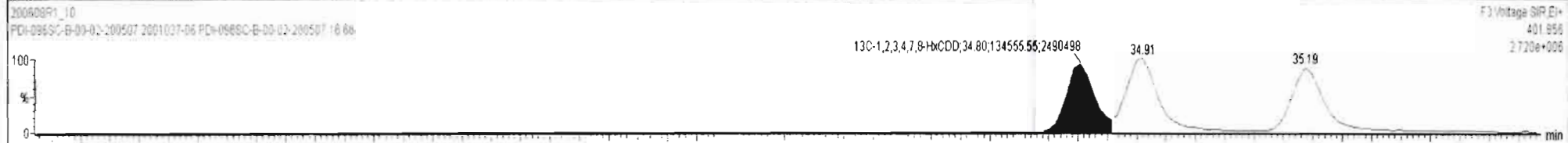
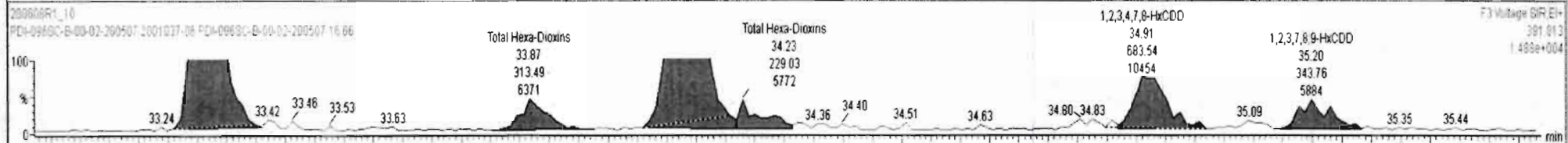
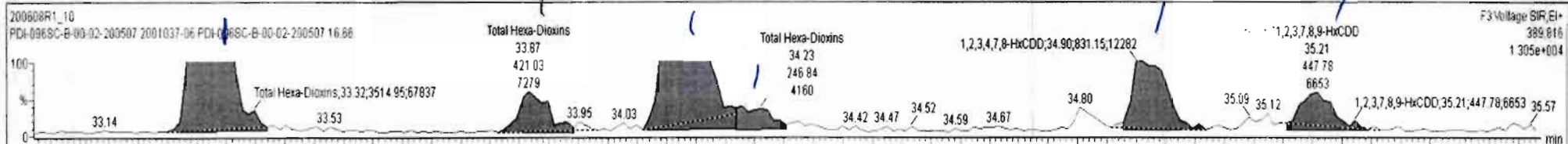


200608R1_10



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8923	10.102			12.9		0.316	12.9
42 Total Hepta-Dioxins				0.8639	10.102			71.6		0.561	71.6
43 Total Tetra-Furans				0.7510	10.102			25.8		0.168	30.1

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.32	3.515e3	2.914e3	1.21	NO	5.3260	5.3260
2 Total Hexa-Dioxins	33.87	4.210e2	3.135e2	1.34	NO	0.60846	0.60846
3 Total Hexa-Dioxins	34.12	3.201e3	2.514e3	1.27	NO	4.7340	4.7340
4 Total Hexa-Dioxins	34.23	2.468e2	2.290e2	1.08	NO	0.39420	0.39420
5 1,2,3,4,7,8-HxCDD	34.90	8.311e2	6.835e2	1.22	NO	1.2202	1.2202
6 1,2,3,7,8,9-HxCDD	35.21	4.478e2	3.438e2	1.30	NO	0.66605	0.66605



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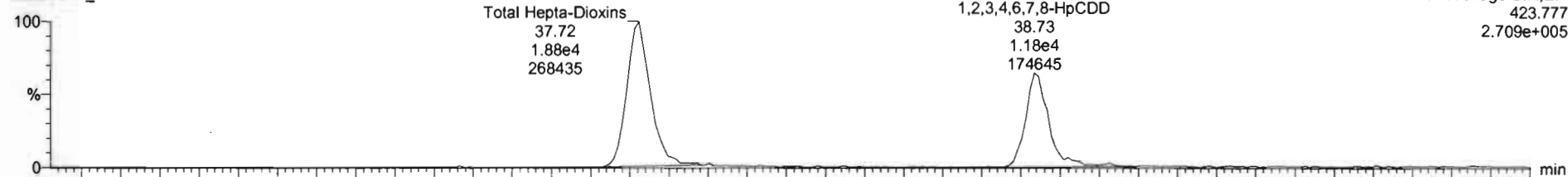
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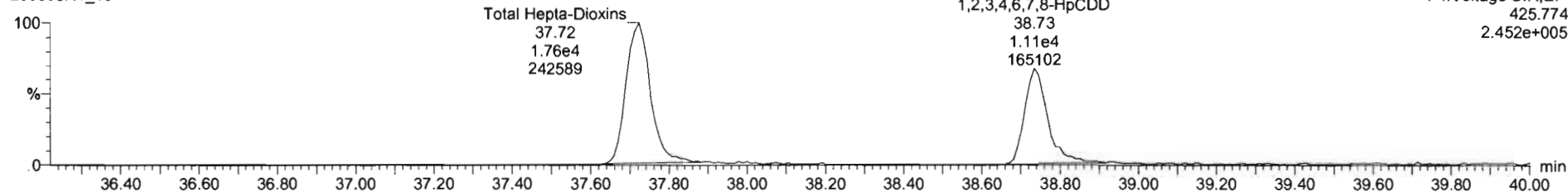
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1,2,3,4,6,7,8-HpCDD

200608R1_10

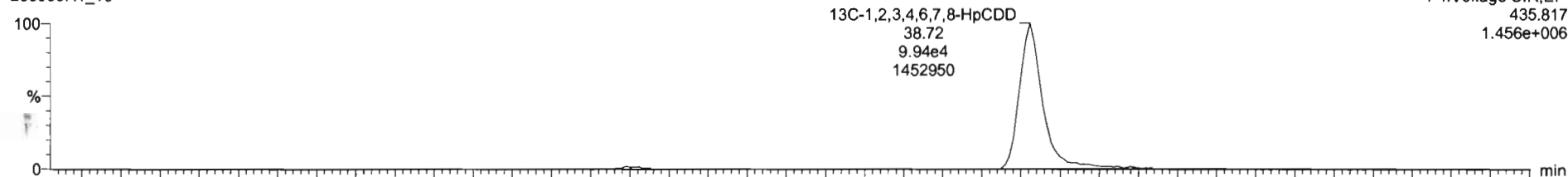


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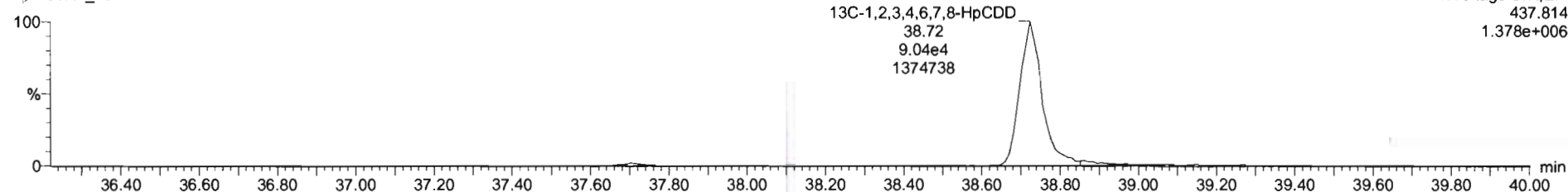


13C-1,2,3,4,6,7,8-HpCDD

200608R1_10



200608R1_10



200608R1_10 - 2001037-06.PD-096SC-B-00-02-200507 16.66 - PD-096SC-B-00-02-200507

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8823	10.102			12.9		0.316	12.9
42 Total Hepta-Dioxins				0.8639	10.102			72.7		0.553	72.7
43 Total Tetra-Furens				0.7510	10.102			25.8		0.168	30.1

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.72	1.945e4	1.837e4	1.06	NO	44.683	44.683
2 1,2,3,4,6,7,8-HpCDD	38.73	1.211e4	1.161e4	1.04	NO	28.032	28.032



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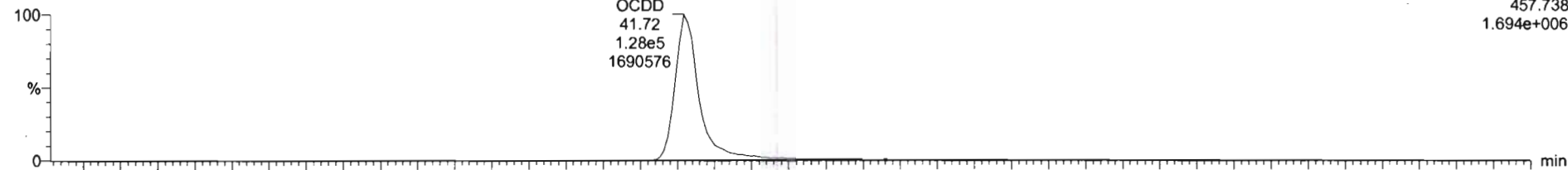
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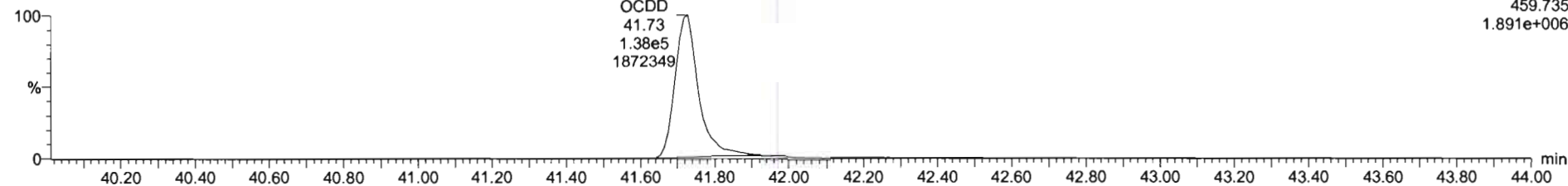
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OCDD

200608R1_10

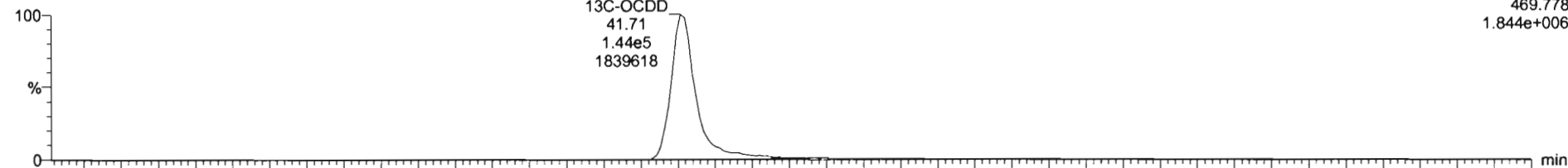


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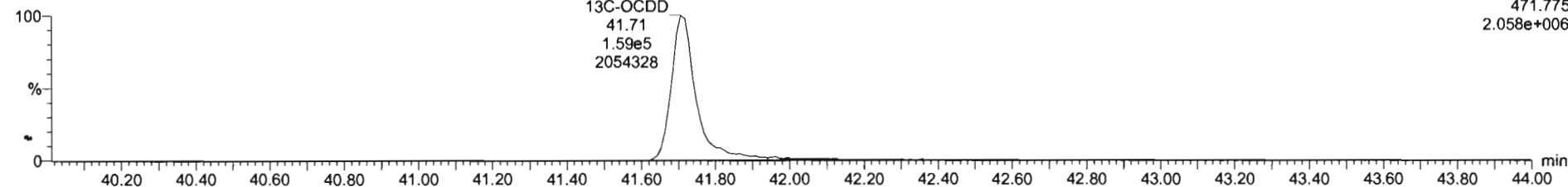


13C-OCDD

200608R1_10



200608R1_10

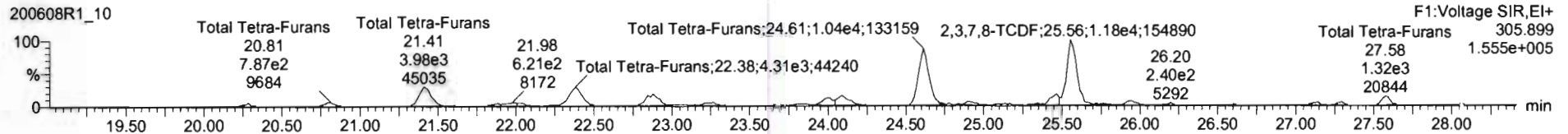
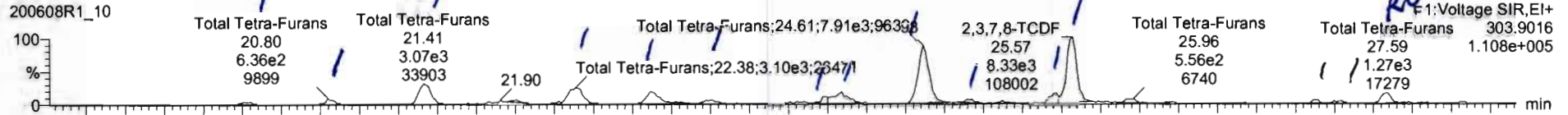


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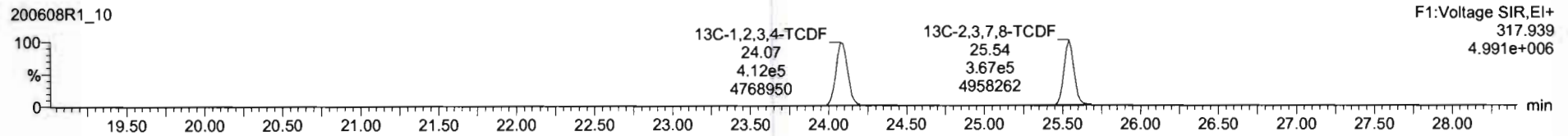
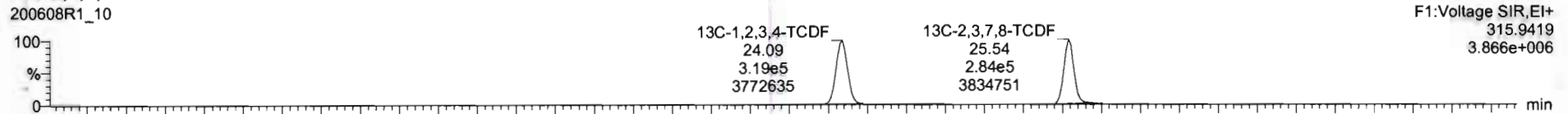
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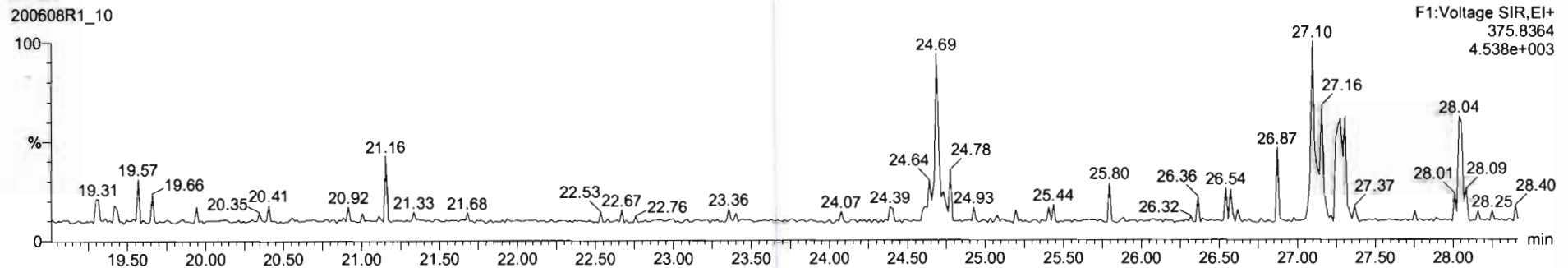
2,3,7,8-TCDF



¹³C-2,3,7,8-TCDF

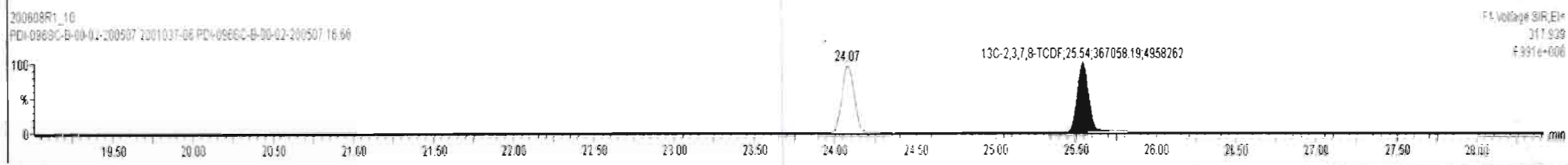
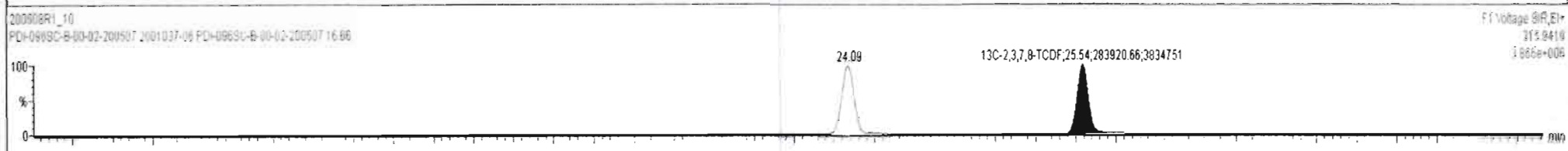
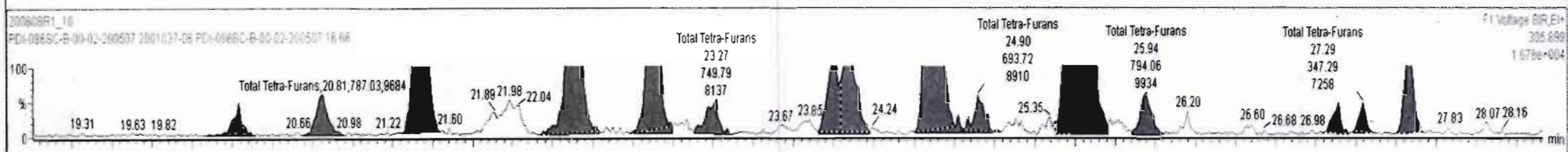
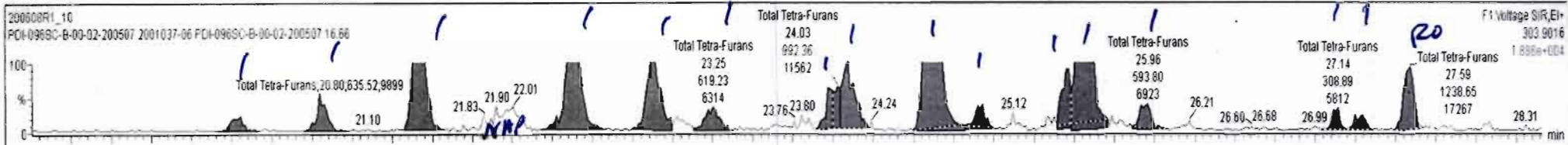


DPE1



Name	Resp	RA	nly	RRF	wtHol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.102			30.2		0.168	31.2
44 1st Func. Penta-Furans				0.8925	10.102			5.92		0.0441	5.92
45 Total Penta-Furans				0.8925	10.102			23.4		0.195	24.7

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	20.30	3.425e2	4.630e2	0.74	NO	0.32621	0.32621
2 Total Tetra-Furans	20.80	6.355e2	7.870e2	0.81	NO	0.57610	0.57610
3 Total Tetra-Furans	21.41	3.070e3	3.984e3	0.77	NO	2.8569	2.8569
4 Total Tetra-Furans	22.38	3.103e3	4.381e3	0.71	NO	3.0309	3.0309
5 Total Tetra-Furans	22.86	1.975e3	2.709e3	0.73	NO	1.8972	1.8972
6 Total Tetra-Furans	23.25	6.192e2	7.498e2	0.83	NO	0.55442	0.55442
7 Total Tetra-Furans	24.03	9.924e2	1.444e3	0.69	NO	0.99658	0.99658
8 Total Tetra-Furans	24.09	1.564e3	2.041e3	0.77	NO	1.4601	1.4601
9 Total Tetra-Furans	24.61	8.154e3	1.070e4	0.76	NO	7.6361	7.6361
10 Total Tetra-Furans	24.93	4.970e2	6.937e2	0.72	NO	0.48220	0.48220
11 Total Tetra-Furans	25.47	9.961e2	1.494e3	0.67	NO	1.0086	1.0086
12 2,3,7-TCDF	25.57	8.775e3	1.178e4	0.75	NO	8.3233	8.3233
13 Total Tetra-Furans	25.96	5.938e2	7.941e2	0.75	NO	0.56205	0.56205
14 Total Tetra-Furans	27.14	3.089e2	4.189e2	0.74	NO	0.29461	0.29461
15 Total Tetra-Furans	27.25	2.766e2	3.473e2	0.80	NO	0.25264	0.25264
16 Total Tetra-Furans	27.59	1.239e3	1.278e3	0.97	YES	0.91625	0.00000



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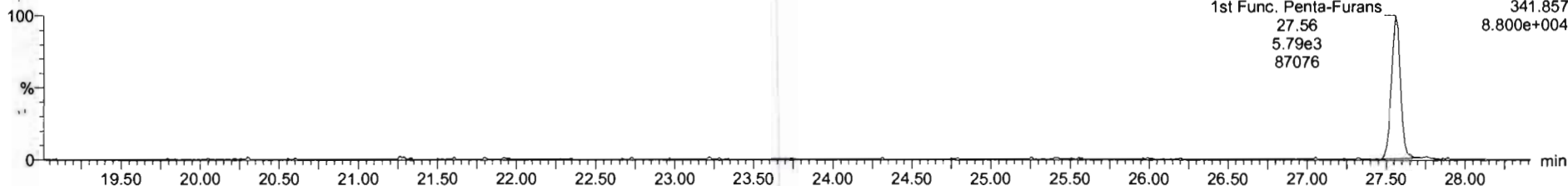
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1st Func. Penta-Furans

200608R1_10

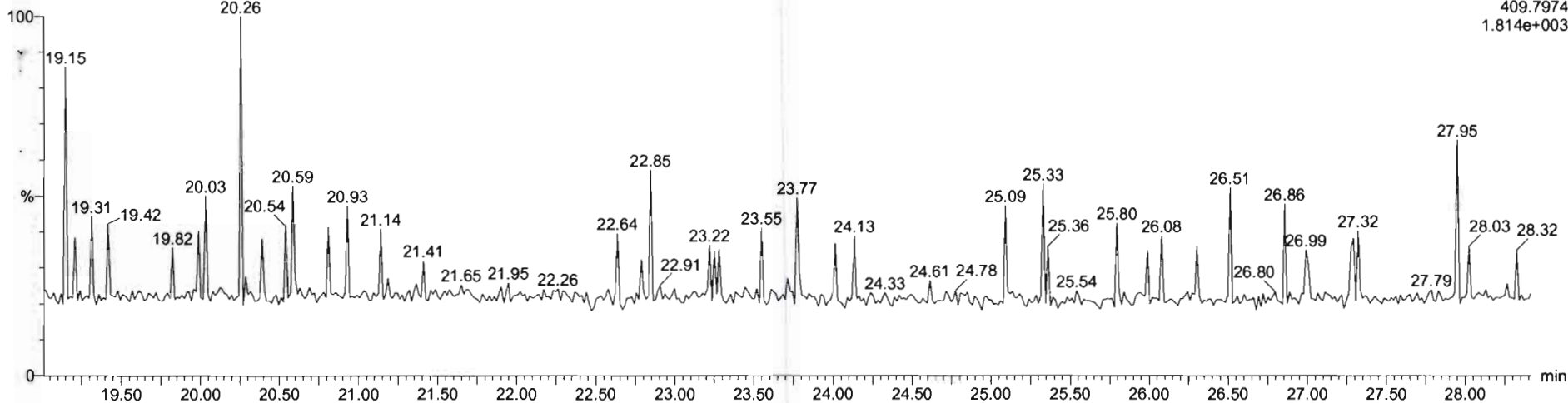


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DPE6

200608R1_10



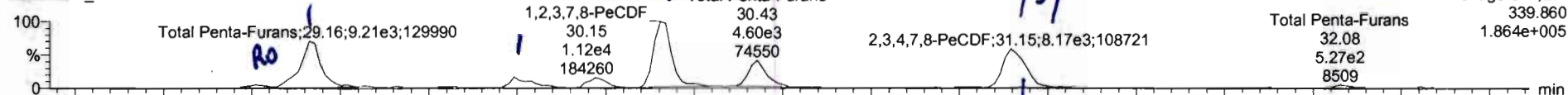
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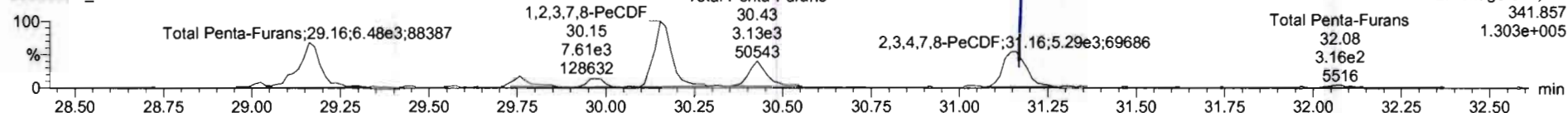
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1,2,3,7,8-PeCDF

200608R1_10

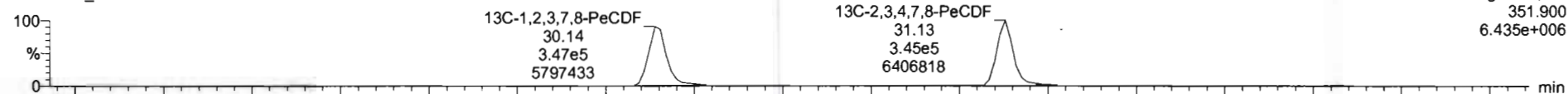


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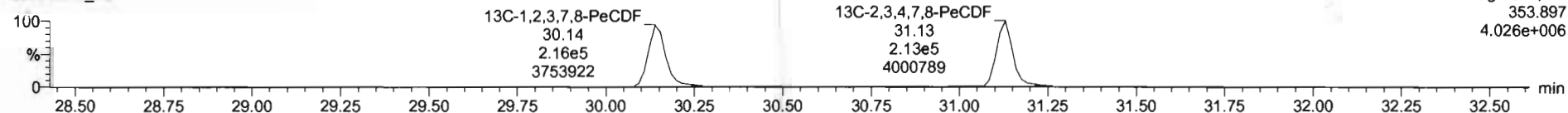


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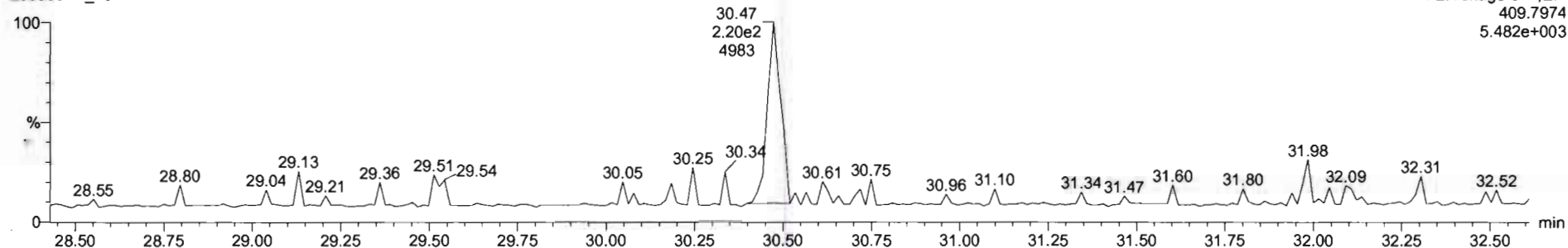


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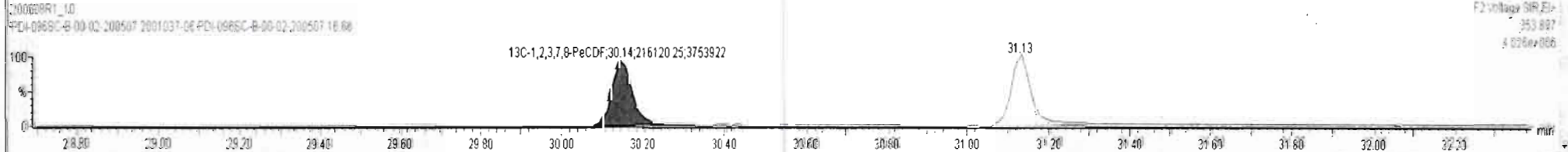
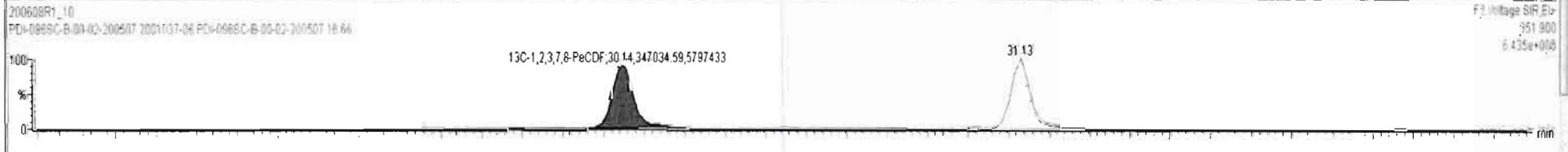
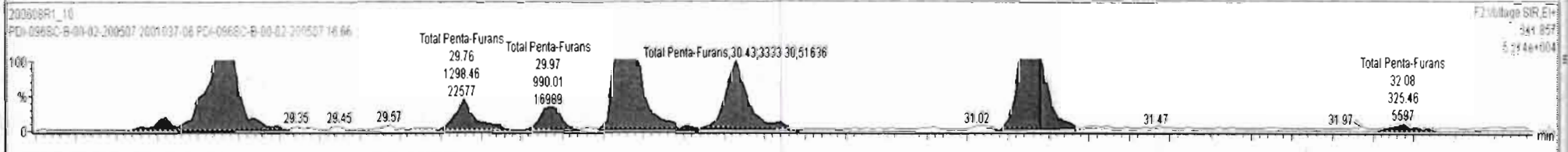
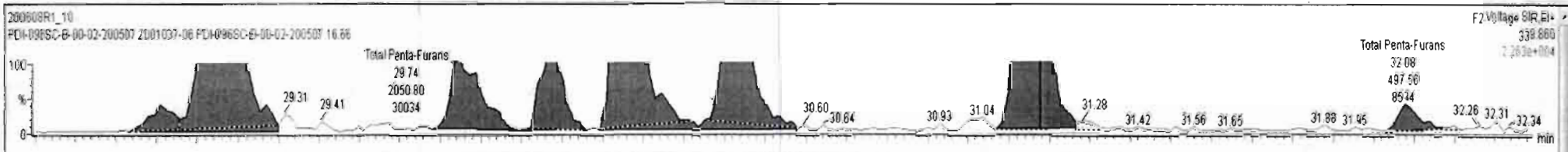
DPE2

200608R1_10



Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.102			25.3		0.195	25.6
46 Total Hexa-Furans				0.9341	10.102			32.1		0.271	32.1
47 Total Hepta-Furans				0.8734	10.102			40.9		0.329	40.9

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.01	5.601e2	4.822e2	1.16	YES	0.36467	0.00000
2 Total Penta-Furans	29.16	9.538e3	6.628e3	1.44	NO	6.3983	6.3983
3 Total Penta-Furans	29.74	2.051e3	1.299e3	1.58	NO	1.3256	1.3256
4 Total Penta-Furans	29.97	1.764e3	9.900e2	1.78	NO	1.0899	1.0899
5 1,2,3,7,8-PeCDF	30.15	1.159e4	7.933e3	1.46	NO	7.6885	7.6885
6 Total Penta-Furans	30.43	5.041e3	3.333e3	1.51	NO	3.3145	3.3145
7 2,3,4,7,8-PeCDF	31.15	5.779e3	3.866e3	1.49	NO	3.6622	3.6622
8 Total Penta-Furans	31.18	2.232e3	1.480e3	1.53	NO	1.4614	1.4614
9 Total Penta-Furans	32.08	4.976e2	3.255e2	1.53	NO	0.32574	0.32574

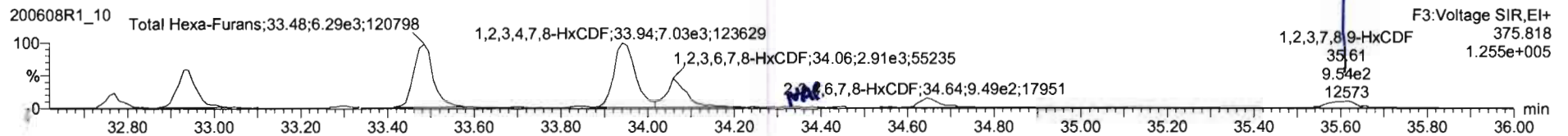
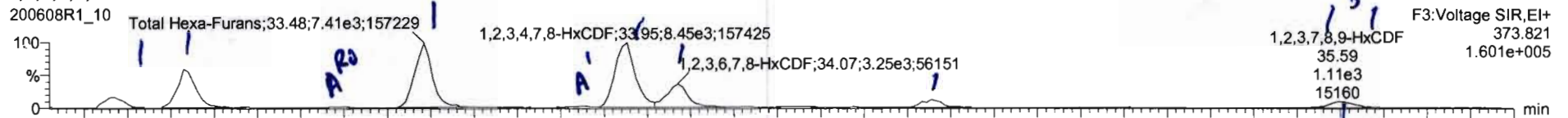


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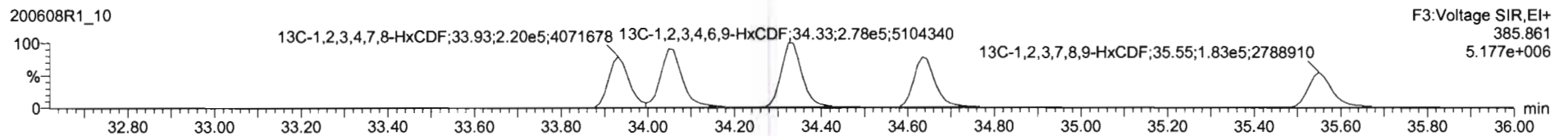
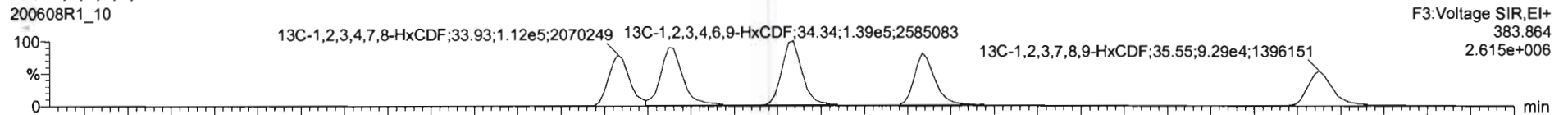
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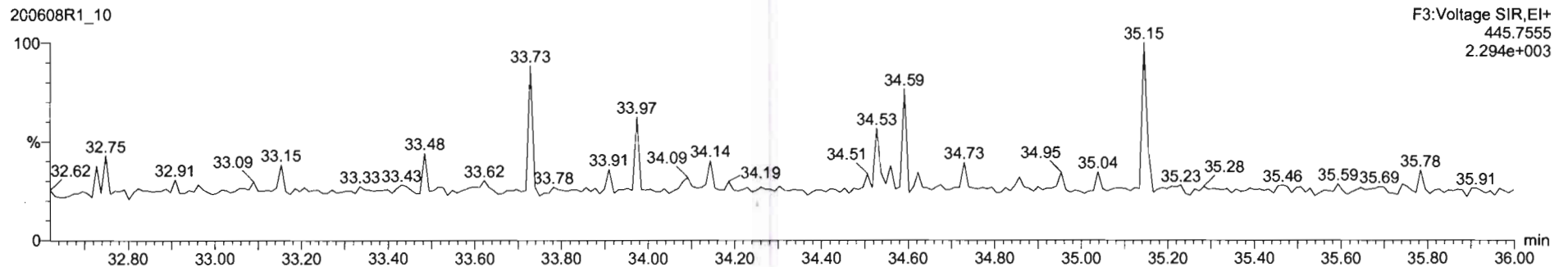
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13C-1,2,3,4,7,8-HxCDF

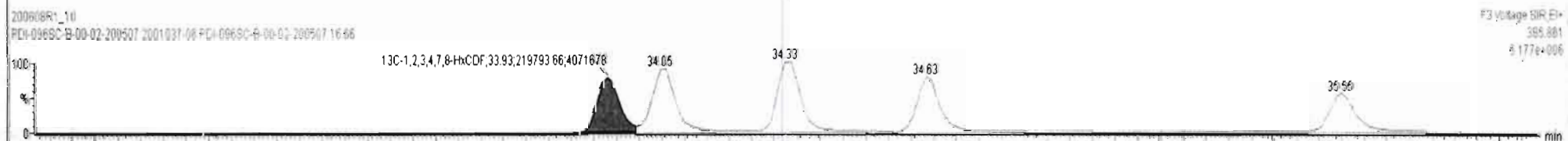
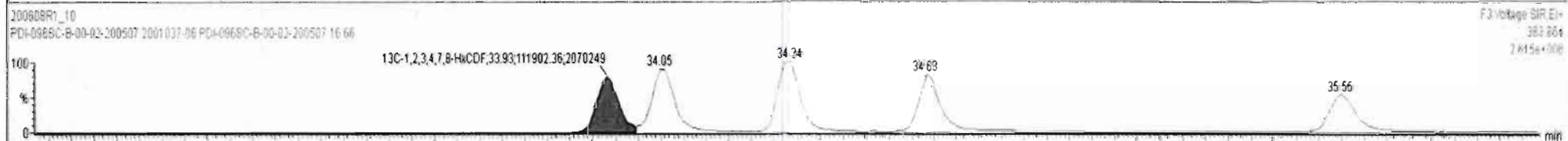
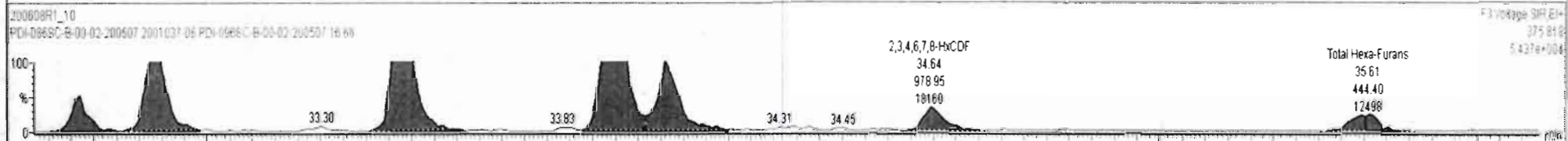
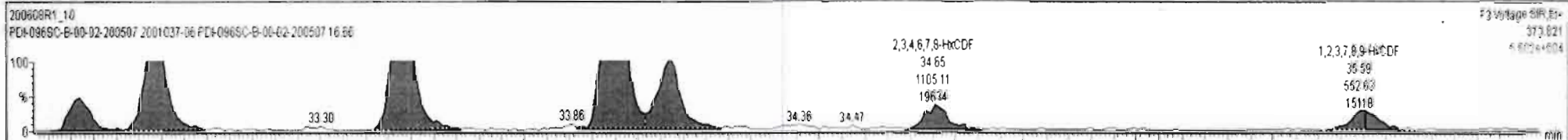


DPE3



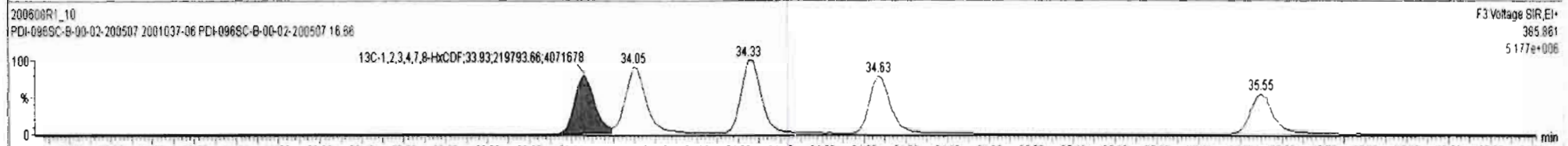
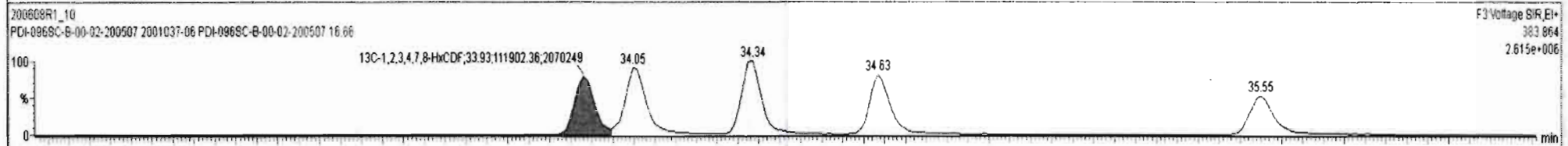
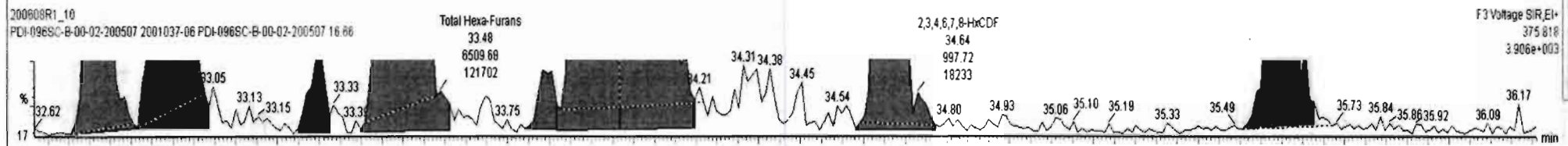
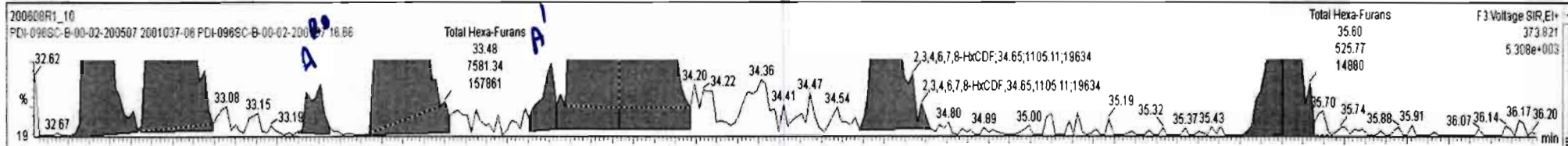
Name	Resp	RA	n/y	RRF	wAol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Pento-Furans				0.8925	10.102			25.3		0.195	25.6
46 Total Hexa-Furans				0.9341	10.102			32.5		0.271	32.5
47 Total Hepto-Furans				0.8734	10.102			40.9		0.329	40.9

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.77	1.425e3	1.172e3	1.22	NO	1.6189	1.6189
2 Total Hexa-Furans	32.93	4.719e3	3.715e3	1.27	NO	5.2586	5.2586
3 Total Hexa-Furans	33.48	7.581e3	6.431e3	1.18	NO	8.7368	8.7368
4 1,2,3,4,7,8-HxCDF	33.95	8.614e3	7.124e3	1.21	NO	10.621	10.621
5 1,2,3,6,7,8-HxCDF	34.07	3.446e3	3.032e3	1.14	NO	3.5386	3.5386
6 2,3,4,6,7,8-HxCDF	34.65	1.105e3	9.788e2	1.13	NO	1.2817	1.2817
7 1,2,3,7,8,9-HxCDF	35.59	5.526e2	4.835e2	1.14	NO	0.85442	0.85442
8 Total Hexa-Furans	35.60	5.258e2	4.444e2	1.18	NO	0.60491	0.60491



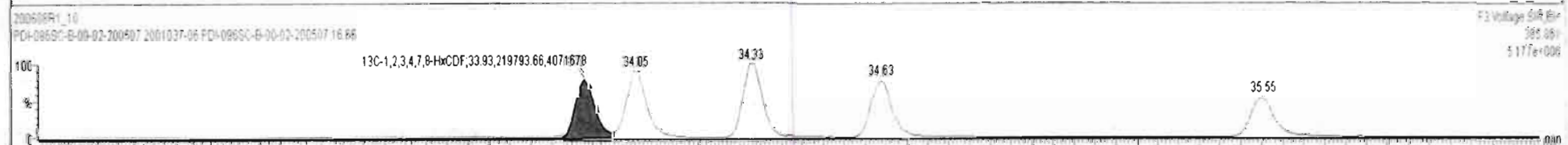
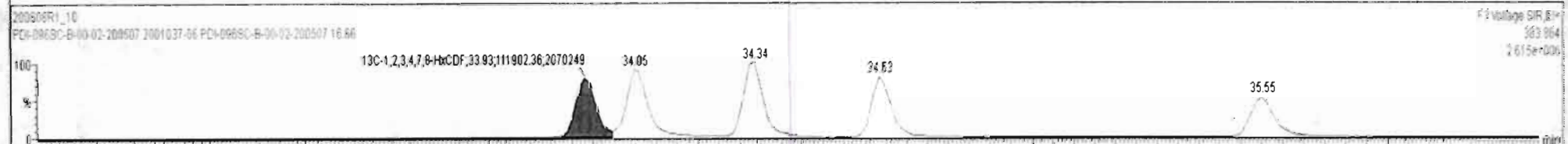
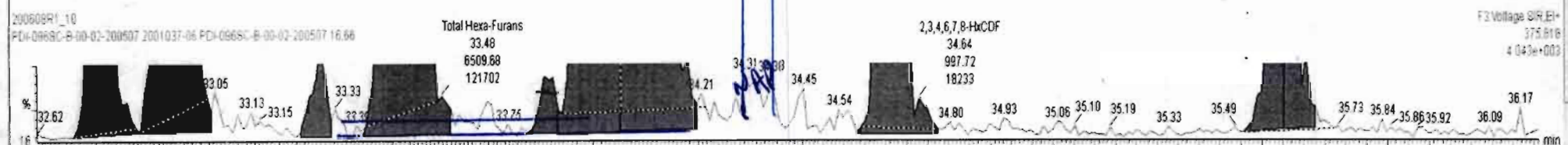
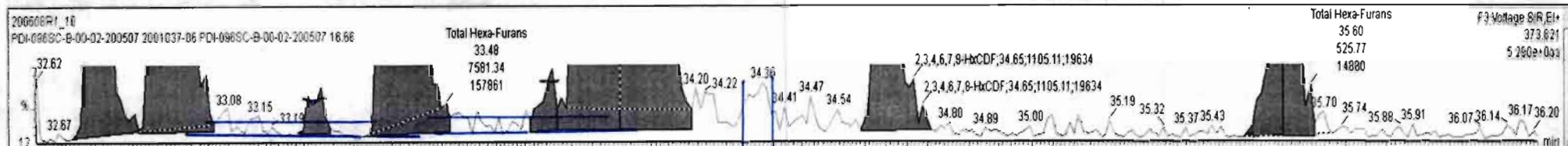
Name	Resp	RA	n/y	RRF	wtAol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.102			32.9	0.271	33.0	
47 Total Hepta-Furans				0.8734	10.102			43.0	0.330	43.0	
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.77	1.425e3	1.185e3	1.20	NO	1.6270	1.6270
2 Total Hexa-Furans	32.93	4.719e3	3.733e3	1.26	NO	5.2697	5.2697
3 Total Hexa-Furans	33.30	1.147e2	1.516e2	0.76	YES	0.12923	0.00000
4 Total Hexa-Furans	33.48	7.581e3	6.510e3	1.16	NO	8.7859	8.7859
5 Total Hexa-Furans	33.86	1.403e2	1.096e2	1.28	NO	0.15595	0.15595
6 1,2,3,4,7,8-HxCDF	33.95	8.658e3	7.171e3	1.21	NO	10.683	10.683
7 1,2,3,6,7,8-HxCDF	34.07	3.475e3	3.088e3	1.13	NO	3.5845	3.5845
8 2,3,4,6,7,8-HxCDF	34.65	1.105e3	9.977e2	1.11	NO	1.2932	1.2932
9 1,2,3,7,8,9-HxCDF	35.58	5.526e2	4.835e2	1.14	NO	0.85442	0.85442
10 Total Hexa-Furans	35.60	5.258e2	4.444e2	1.18	NO	0.60491	0.60491



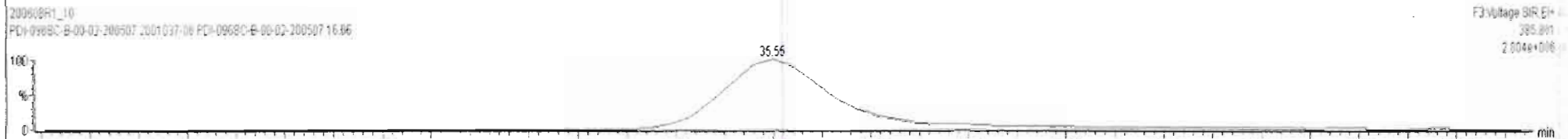
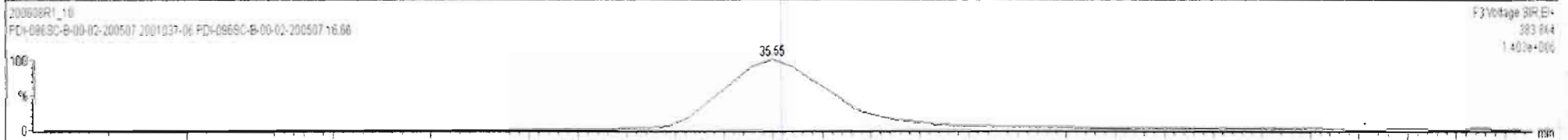
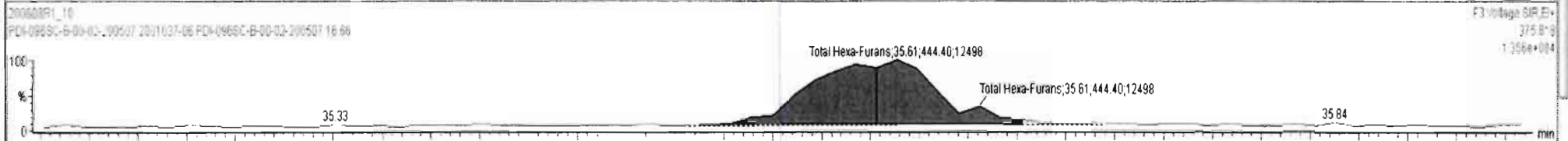
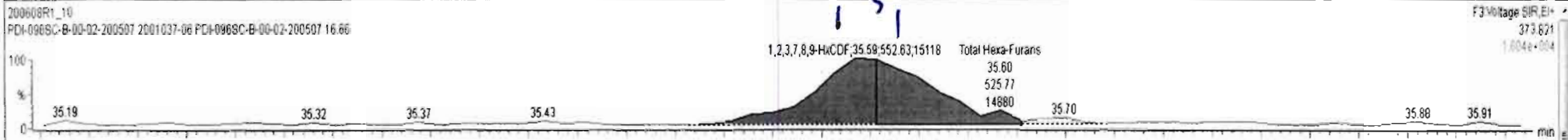
Name	Resp	RA	nly	RRF	wtAol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.102			32.9		0.271	33.0
47 Total Hepta-Furans				0.8734	10.102			43.0		0.330	43.0
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.77	1.425e3	1.185e3	1.20	NO	1.6270	1.6270
2 Total Hexa-Furans	32.93	4.719e3	3.733e3	1.26	NO	5.2697	5.2697
3 Total Hexa-Furans	33.30	1.147e2	1.516e2	0.76	YES	0.12923	0.00000
4 Total Hexa-Furans	33.48	7.581e3	6.510e3	1.16	NO	8.7859	8.7859
5 Total Hexa-Furans	33.86	1.403e2	1.079e2	1.30	NO	0.15480	0.15480
6 1,2,3,4,7,8-HxCDF	33.95	8.658e3	7.171e3	1.21	NO	10.683	10.683
7 1,2,3,6,7,8-HxCDF	34.07	3.475e3	3.077e3	1.13	NO	3.5787	3.5787
8 2,3,4,6,7,8-HxCDF	34.65	1.105e3	9.977e2	1.11	NO	1.2932	1.2932
9 1,2,3,7,8,9-HxCDF	35.59	5.526e2	4.835e2	1.14	NO	0.85442	0.85442
10 Total Hexa-Furans	35.60	5.258e2	4.444e2	1.18	NO	0.60491	0.60491



Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8825	10.102			25.3		0.195	25.6
46 Total Hexa-Furans				0.9341	10.102			31.9		0.271	31.9
47 Total Hepta-Furans				0.8734	10.102			40.9		0.329	40.9

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.77	1.425e3	1.172e3	1.22	NO	1.6189	1.6189
2 Total Hexa-Furans	32.93	4.690e3	3.601e3	1.30	NO	5.1638	5.1638
3 Total Hexa-Furans	33.48	7.409e3	6.293e3	1.18	NO	8.5430	8.5430
4 1,2,3,4,7,8-HxCDF	33.95	8.452e3	7.030e3	1.20	NO	10.448	10.448
5 1,2,3,6,7,8-HxCDF	34.07	3.254e3	2.909e3	1.12	NO	3.3663	3.3663
6 2,3,4,6,7,8-HxCDF	34.85	1.105e3	9.495e2	1.16	NO	1.2635	1.2635
7 1,2,3,7,8,9-HxCDF	35.59	5.526e2	4.835e2	1.14	NO	0.85442	0.85442
8 Total Hexa-Furans	35.60	5.258e2	4.444e2	1.18	NO	0.60491	0.60491



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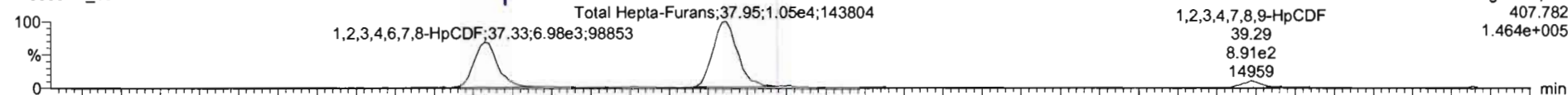
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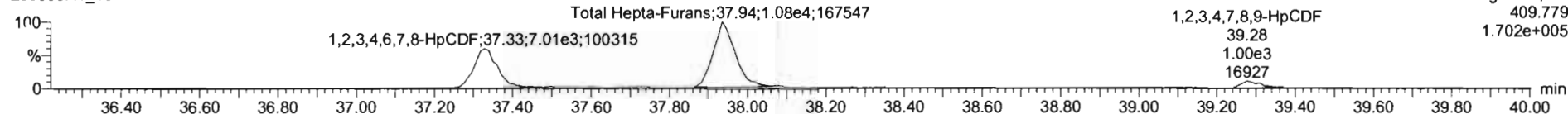
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1,2,3,4,6,7,8-HpCDF

200608R1_10



200608R1_10

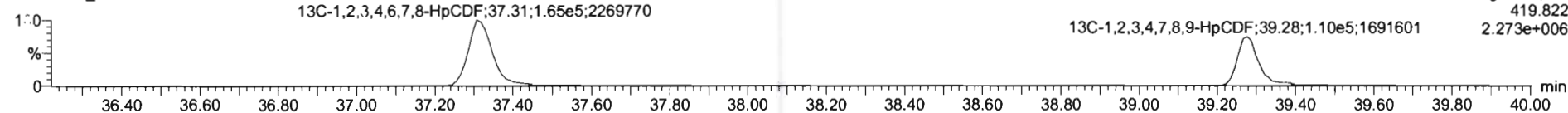


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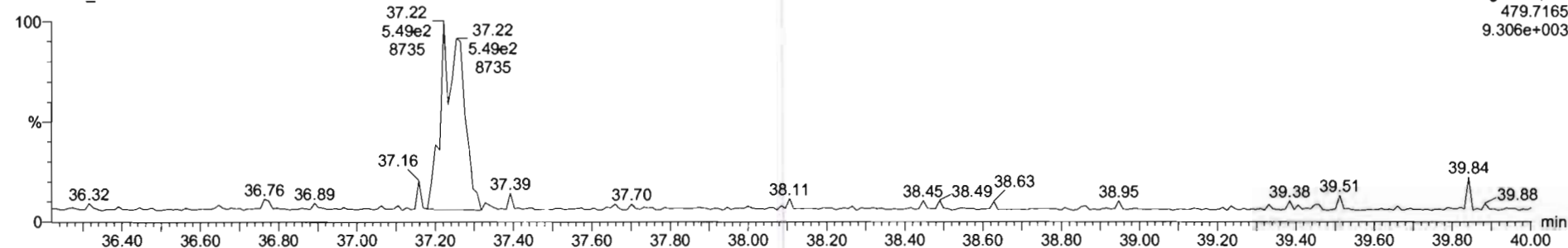


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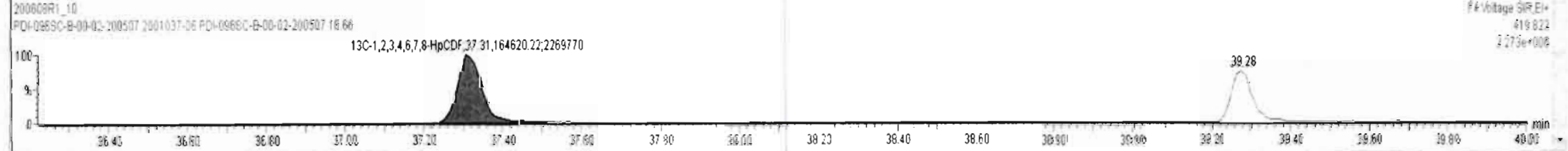
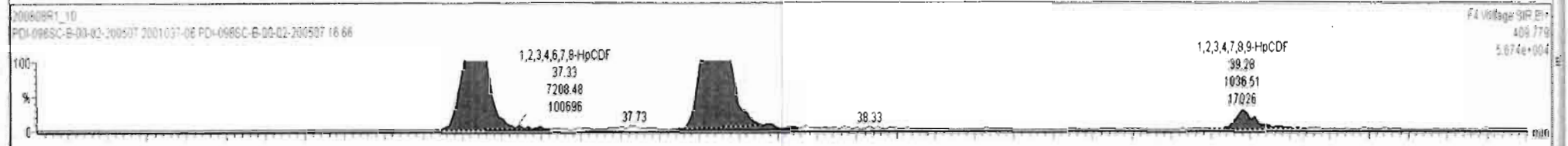
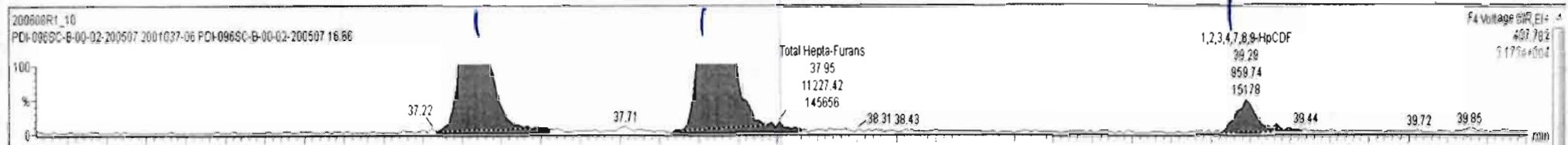
DPE4

200608R1_10



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.102			25.3		0.195	25.6
46 Total Hexa-Furans				0.9341	10.102			32.5		0.271	32.5
47 Total Hepta-Furans				0.8734	10.102			43.0		0.330	43.0

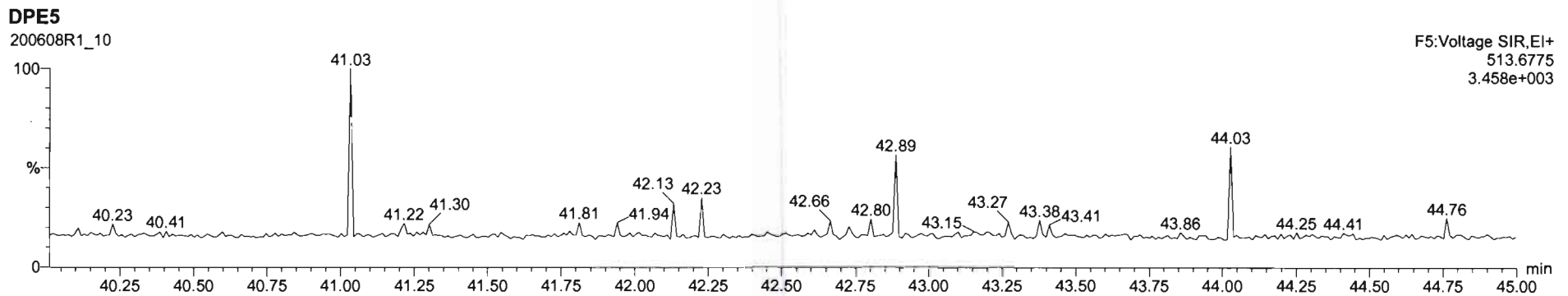
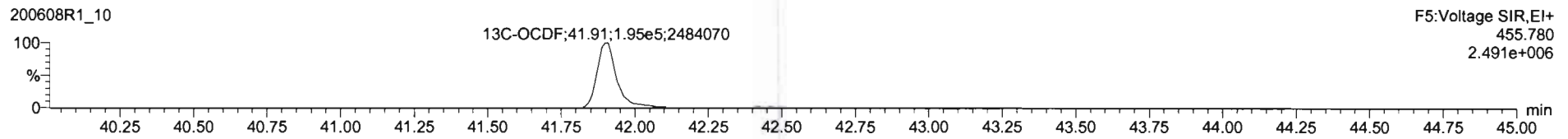
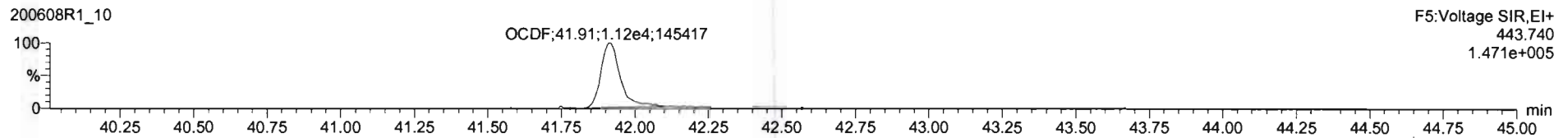
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	7.402e3	7.208e3	1.03	NO	14.149	14.149
2 Total Hepta-Furans	37.95	1.123e4	1.142e4	0.98	NO	26.372	26.372
3 1,2,3,4,7,8,9-HpCDF	39.29	9.597e2	1.037e3	0.93	NO	2.5131	2.5131



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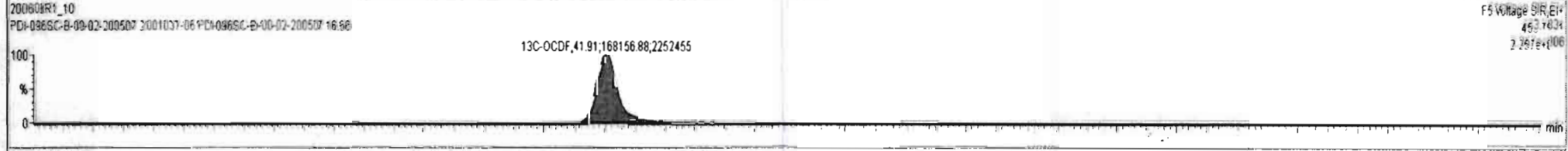
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Name	Resp	RA	n/y	RRF	wt/Aol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF	2.13e4	0.85	NO	0.8065	10.102	41.92	1.000	28.8	0.507	28.8
18	13C-2,3,7,8-TCDD	4.77e5	0.79	NO	1.1563	10.102	26.44	1.026	172	86.7	0.302
19	13C-1,2,3,7,8-PeCDD	3.58e5	0.61	NO	0.8490	10.102	31.43	1.219	175	88.3	0.516

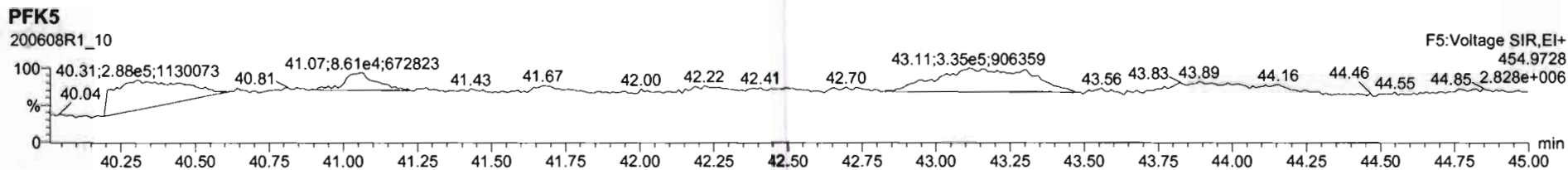
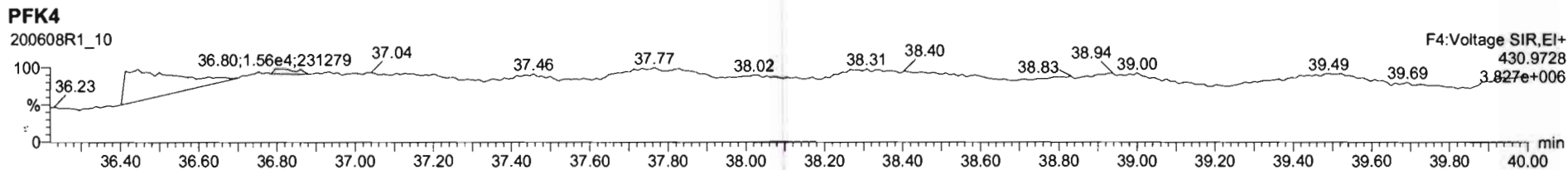
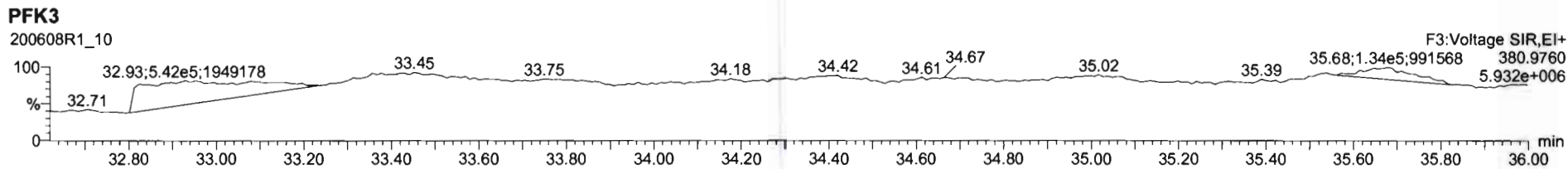
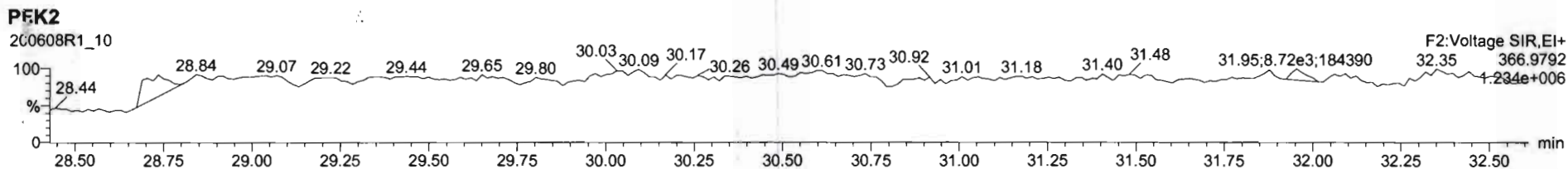
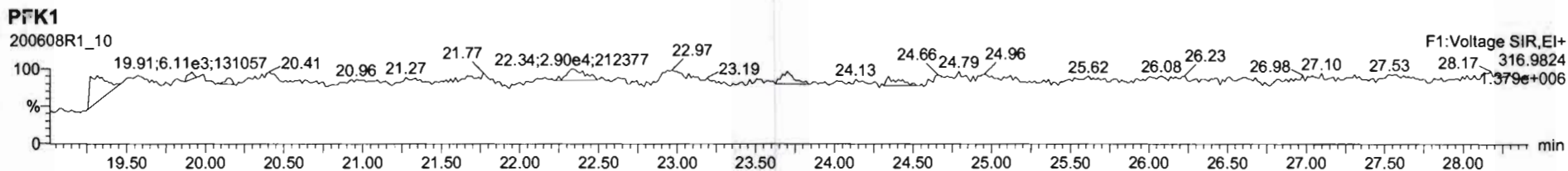
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_10, Date: 08-Jun-2020, Time: 18:40:45, ID: 2001037-06 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-11a.qld

Last Altered: Wednesday, June 24, 2020 16:13:10 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 16:23:37 Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.011	26.486		1.001				0.0975	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.011	31.442		1.001				0.113	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.011	34.814		1.000				0.184	
4	4 1,2,3,6,7,8-HxCDD	9.75e2	1.24	NO	0.892	10.011	34.911	34.92	1.000	1.000	0.55235		0.178	0.552
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.011	35.199		1.000				0.205	
6	6 1,2,3,4,6,7,8-HpCDD	3.31e4	0.98	NO	0.864	10.011	38.736	38.73	1.000	1.000	27.543		0.443	27.5
7	7 OCDD	2.62e5	0.88	NO	0.914	10.011	41.695	41.71	1.000	1.000	274.57		0.742	275
8	8 2,3,7,8-TCDF	3.73e4	0.78	NO	0.751	10.011	25.582	25.57	1.001	1.001	12.529	<i>ok</i>	0.151	12.5
9	9 1,2,3,7,8-PeCDF	4.77e4	1.57	NO	0.893	10.011	30.160	30.15	1.001	1.000	14.726		0.228	14.7
10	10 2,3,4,7,8-PeCDF	2.32e4	1.57	NO	0.935	10.011	31.149	31.15	1.001	1.001	7.1173		0.197	7.12
11	11 1,2,3,4,7,8-HxCDF	4.34e4	1.24	NO	0.884	10.011	33.931	33.94	1.000	1.000	22.870		0.208	22.9
12	12 1,2,3,6,7,8-HxCDF	1.28e4	1.21	NO	0.889	10.011	34.058	34.06	1.000	1.000	5.5515		0.178	5.55
13	13 2,3,4,6,7,8-HxCDF	3.28e3	1.15	NO	0.934	10.011	34.669	34.65	1.001	1.001	1.5664		0.204	1.57
14	14 1,2,3,7,8,9-HxCDF	3.24e3	1.21	NO	0.871	10.011	35.550	35.60	1.000	1.001	2.0613		0.318	2.06
15	15 1,2,3,4,6,7,8-HpCDF	1.61e4	0.99	NO	0.873	10.011	37.355	37.33	1.001	1.000	11.765		0.255	11.8
16	16 1,2,3,4,7,8,9-HpCDF	4.01e3	0.97	NO	1.01	10.011	39.278	39.29	1.000	1.000	3.6351		0.298	3.64
17	17 OCDF	1.92e4	0.87	NO	0.806	10.011	41.887	41.90	1.000	1.000	19.727		0.223	19.7
18	18 13C-2,3,7,8-TCDD	5.97e5	0.77	NO	1.16	10.011	26.476	26.45	1.026	1.026	178.23	89.2	0.270	
19	19 13C-1,2,3,7,8-PeCDD	4.59e5	0.65	NO	0.849	10.011	31.656	31.42	1.227	1.218	186.64	93.4	0.311	
20	20 13C-1,2,3,4,7,8-HxCDD	3.18e5	1.28	NO	0.779	10.011	34.809	34.80	1.014	1.014	167.23	83.7	0.592	
21	21 13C-1,2,3,6,7,8-HxCDD	3.95e5	1.29	NO	1.02	10.011	34.922	34.91	1.017	1.017	159.31	79.7	0.453	
22	22 13C-1,2,3,7,8,9-HxCDD	3.48e5	1.28	NO	0.903	10.011	35.193	35.19	1.025	1.025	158.06	79.1	0.511	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.78e5	1.03	NO	0.689	10.011	38.715	38.72	1.128	1.128	165.10	82.6	0.689	
24	24 13C-OCDD	4.17e5	0.90	NO	0.652	10.011	41.736	41.69	1.216	1.215	261.89	65.5	0.873	
25	25 13C-2,3,7,8-TCDF	7.91e5	0.78	NO	1.06	10.011	25.519	25.56	0.989	0.991	166.22	83.2	0.475	
26	26 13C-1,2,3,7,8-PeCDF	7.24e5	1.60	NO	0.838	10.011	30.041	30.14	1.165	1.168	192.29	96.3	0.471	
27	27 13C-2,3,4,7,8-PeCDF	6.97e5	1.60	NO	0.817	10.011	30.993	31.13	1.202	1.207	189.86	95.0	0.483	
28	28 13C-1,2,3,4,7,8-HxCDF	4.28e5	0.51	NO	1.01	10.011	33.941	33.93	0.989	0.989	174.17	87.2	0.862	
29	29 13C-1,2,3,6,7,8-HxCDF	5.17e5	0.49	NO	1.17	10.011	34.064	34.05	0.992	0.992	181.62	90.9	0.744	
30	30 13C-2,3,4,6,7,8-HxCDF	4.47e5	0.50	NO	1.02	10.011	34.637	34.63	1.009	1.009	179.38	89.8	0.850	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-11a.qld

Last Altered: Wednesday, June 24, 2020 16:13:10 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 16:23:37 Pacific Daylight Time

Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.60e5	0.53	NO	0.860	10.011	35.537	35.55	1.035	1.036	171.63	85.9	1.01	
32	13C-1,2,3,4,6,7,8-HpCDF	3.13e5	0.43	NO	0.774	10.011	37.284	37.32	1.086	1.087	165.62	82.9	0.644	
33	13C-1,2,3,4,7,8,9-HpCDF	2.18e5	0.42	NO	0.521	10.011	39.312	39.28	1.145	1.144	171.04	85.6	0.957	
34	13C-OCDF	4.83e5	0.87	NO	0.746	10.011	41.907	41.89	1.221	1.220	265.48	66.4	0.516	
35	37Cl-2,3,7,8-TCDD	2.42e5			1.04	10.011	26.507	26.48	1.028	1.027	80.447	101	0.0646	
36	13C-1,2,3,4-TCDD	5.78e5	0.81	NO	1.00	10.011	25.890	25.80	1.000	1.000	199.78	100	0.312	
37	13C-1,2,3,4-TCDF	8.98e5	0.79	NO	1.00	10.011	24.360	24.10	1.000	1.000	199.78	100	0.503	
38	13C-1,2,3,4,6,9-HxCDF	4.88e5	0.50	NO	1.00	10.011	34.420	34.33	1.000	1.000	199.78	100	0.868	
39	Total Tetra-Dioxins				0.888	10.011	24.620		0.000		0.48025		0.0975	0.480
40	Total Penta-Dioxins				0.908	10.011	29.960		0.000		0.33198		0.113	0.649
41	Total Hexa-Dioxins				0.892	10.011	33.635		0.000		6.8490		0.197	6.85
42	Total Hepta-Dioxins				0.864	10.011	37.640		0.000		66.184		0.443	66.2
43	Total Tetra-Furans				0.751	10.011	23.610		0.000		35.490		0.151	38.1
44	1st Func. Penta-Furans				0.893	10.011	27.580		0.000		2.9313		0.0371	2.93
45	Total Penta-Furans				0.893	10.011	29.275		0.000		41.355		0.217	41.4
46	Total Hexa-Furans				0.934	10.011	33.555		0.000		40.597		0.211	41.3
47	Total Hepta-Furans				0.873	10.011	37.835		0.000		28.745		0.292	28.7

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-11a.qld

Last Altered: Wednesday, June 24, 2020 16:13:10 Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.44	6.336e3	9.237e3	5.359e2	7.384e2	0.73	NO	1.274e3	0.48025	0.48025	0.0975

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.21	4.576e3	5.326e3	3.299e2	4.058e2	0.81	YES	0.000e0	0.00000	0.31722	0.113
2	Total Penta-Dioxins	30.20	4.615e3	7.485e3	2.809e2	4.114e2	0.68	NO	6.923e2	0.33198	0.33198	0.113

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	5.125e4	3.816e4	2.713e3	1.960e3	1.38	NO	4.673e3	2.9563	2.9563	0.197
2	Total Hexa-Dioxins	33.88	8.055e3	4.857e3	3.208e2	2.381e2	1.35	NO	5.588e2	0.35357	0.35357	0.197
3	Total Hexa-Dioxins	34.13	3.715e4	3.044e4	2.661e3	2.060e3	1.29	NO	4.721e3	2.9868	2.9868	0.197
4	1,2,3,6,7,8-HxCDD	34.92	1.015e4	7.590e3	5.400e2	4.354e2	1.24	NO	9.754e2	0.55235	0.55235	0.178

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.72	2.846e5	2.791e5	2.346e4	2.295e4	1.02	NO	4.641e4	38.641	38.641	0.443
2	1,2,3,4,6,7,8-HpCDD	38.73	2.215e5	2.208e5	1.639e4	1.669e4	0.98	NO	3.308e4	27.543	27.543	0.443

Vista Analytical Laboratory

Dataset: U:\WG12.PRO\Results\200608R1\200608R1-11a.qld

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Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.87	2.994e3	3.463e3	2.321e2	2.772e2	0.84	NO	5.093e2	0.17120	0.17120	0.151
2	Total Tetra-Furans	21.45	1.147e4	1.804e4	1.020e3	1.536e3	0.66	NO	2.556e3	0.85938	0.85938	0.151
3	Total Tetra-Furans	22.01	1.150e4	1.050e4	9.684e2	1.309e3	0.74	NO	2.277e3	0.76561	0.76561	0.151
4	Total Tetra-Furans	22.40	3.947e4	5.001e4	3.963e3	5.279e3	0.75	NO	9.242e3	3.1069	3.1069	0.151
5	Total Tetra-Furans	22.89	1.584e4	2.292e4	1.414e3	2.134e3	0.66	NO	3.548e3	1.1928	1.1928	0.151
6	Total Tetra-Furans	23.24	5.801e3	7.221e3	4.998e2	6.767e2	0.74	NO	1.177e3	0.39552	0.39552	0.151
7	Total Tetra-Furans	24.03	1.087e4	1.607e4	6.758e2	9.551e2	0.71	NO	1.631e3	0.54825	0.54825	0.151
8	Total Tetra-Furans	24.10	1.668e4	2.454e4	1.471e3	1.902e3	0.77	NO	3.373e3	1.1339	1.1339	0.151
9	Total Tetra-Furans	24.63	1.771e5	2.429e5	1.537e4	2.089e4	0.74	NO	3.625e4	12.188	12.188	0.151
10	Total Tetra-Furans	24.91	7.532e3	1.078e4	6.552e2	8.365e2	0.78	NO	1.492e3	0.50148	0.50148	0.151
11	Total Tetra-Furans	25.35	4.595e3	4.480e3	2.414e2	2.827e2	0.85	NO	5.241e2	0.17619	0.17619	0.151
12	Total Tetra-Furans	25.50	2.325e4	2.975e4	1.418e3	2.083e3	0.68	NO	0.000e0	0.00000	1.1768	0.151
13	2,3,7,8-TCDF	25.57	2.108e5	2.810e5	1.631e4	2.096e4	0.78	NO	3.727e4	12.529	12.529	0.151
14	Total Tetra-Furans	25.70	6.865e3	8.210e3	6.545e2	8.030e2	0.82	NO	1.457e3	0.48997	0.48997	0.151
15	Total Tetra-Furans	25.96	8.219e3	1.450e4	6.033e2	9.176e2	0.66	NO	1.521e3	0.51130	0.51130	0.151
16	Total Tetra-Furans	27.13	9.511e3	1.266e4	5.366e2	7.312e2	0.73	NO	1.268e3	0.42623	0.42623	0.151
17	Total Tetra-Furans	27.31	1.034e4	1.340e4	6.428e2	8.265e2	0.78	NO	1.469e3	0.49395	0.49395	0.151
18	Total Tetra-Furans	27.58	3.676e4	3.622e4	2.408e3	2.435e3	0.99	YES	0.000e0	0.00000	1.4492	0.151

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	8.765e4	5.542e4	5.537e3	3.770e3	1.47	NO	9.307e3	2.9313	2.9313	0.0371

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-11a.qld

Last Altered: Wednesday, June 24, 2020 16:13:10 Pacific Daylight Time

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Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.01	1.123e4	5.973e3	4.852e2	3.311e2	1.47	NO	8.163e2	0.25710	0.25710	0.217
2	Total Penta-Furans	29.18	2.367e5	1.553e5	1.549e4	9.874e3	1.57	NO	2.536e4	7.9888	7.9888	0.217
3	Total Penta-Furans	29.76	1.785e4	1.008e4	1.477e3	1.010e3	1.46	NO	2.488e3	0.78349	0.78349	0.217
4	Total Penta-Furans	29.97	6.356e4	3.664e4	3.757e3	2.110e3	1.78	NO	5.868e3	1.8480	1.8480	0.217
5	1,2,3,7,8-PeCDF	30.15	4.869e5	2.962e5	2.913e4	1.853e4	1.57	NO	4.766e4	14.726	14.726	0.228
6	Total Penta-Furans	30.43	1.998e5	1.239e5	1.213e4	7.654e3	1.59	NO	1.979e4	6.2320	6.2320	0.217
7	2,3,4,7,8-PeCDF	31.15	2.748e5	1.605e5	1.419e4	9.019e3	1.57	NO	2.321e4	7.1173	7.1173	0.197
8	Total Penta-Furans	31.18	1.406e5	8.444e4	3.798e3	2.425e3	1.57	NO	6.222e3	1.9597	1.9597	0.217
9	Total Penta-Furans	32.06	1.343e4	1.072e4	8.038e2	5.998e2	1.34	NO	1.404e3	0.44209	0.44209	0.217

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.76	2.100e4	1.887e4	1.006e3	9.396e2	1.07	NO	1.946e3	0.94940	0.94940	0.211
2	Total Hexa-Furans	32.94	7.675e4	6.212e4	4.099e3	3.564e3	1.15	NO	7.663e3	3.7389	3.7389	0.211
3	Total Hexa-Furans	33.47	8.050e4	6.237e4	4.138e3	3.335e3	1.24	NO	7.473e3	3.6461	3.6461	0.211
4	Total Hexa-Furans	33.83	5.616e3	5.192e3	2.418e2	1.954e2	1.24	NO	4.372e2	0.21334	0.21334	0.211
5	1,2,3,4,7,8-HxCDF	33.94	4.448e5	3.546e5	2.400e4	1.937e4	1.24	NO	4.337e4	22.870	22.870	0.208
6	1,2,3,6,7,8-HxCDF	34.06	1.090e5	8.800e4	7.000e3	5.785e3	1.21	NO	1.278e4	5.5515	5.5515	0.178
7	2,3,4,6,7,8-HxCDF	34.65	2.982e4	2.539e4	1.755e3	1.522e3	1.15	NO	3.277e3	1.5664	1.5664	0.204
8	1,2,3,7,8,9-HxCDF	35.60	4.029e4	3.399e4	1.774e3	1.461e3	1.21	NO	3.235e3	2.0613	2.0613	0.318
9	Total Hexa-Furans	35.61	3.074e4	3.194e4	9.553e2	6.676e2	1.43	YES	0.000e0	0.00000	0.72967	0.211

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.33	1.007e5	1.028e5	8.022e3	8.083e3	0.99	NO	1.611e4	11.765	11.765	0.255
2	Total Hepta-Furans	37.94	1.086e5	9.218e4	7.932e3	7.547e3	1.05	NO	1.548e4	13.345	13.345	0.292
3	1,2,3,4,7,8,9-HpCDF	39.29	3.236e4	3.149e4	1.976e3	2.033e3	0.97	NO	4.009e3	3.6351	3.6351	0.298

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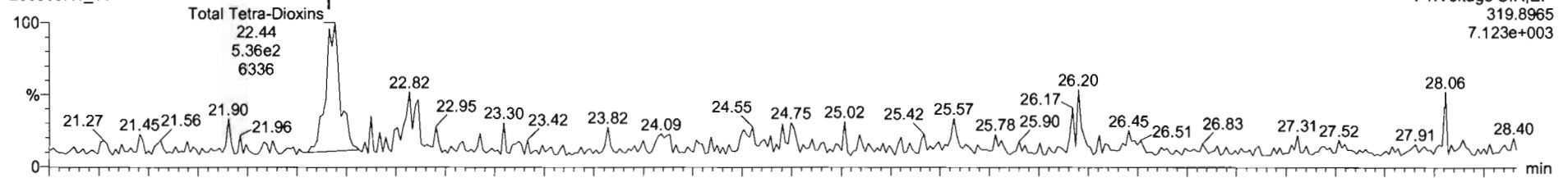
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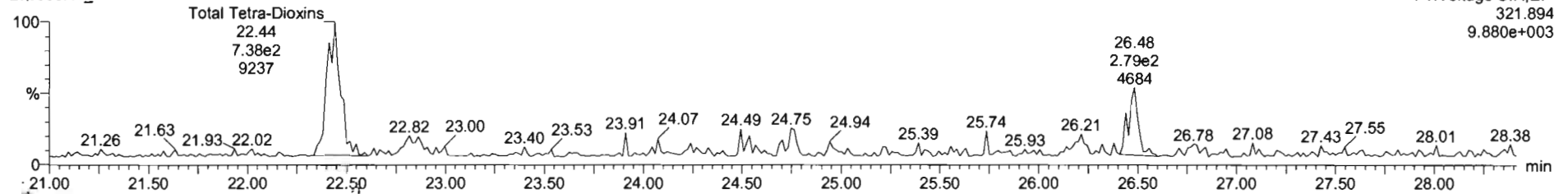
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2,3,7,8-TCDD

200608R1_11

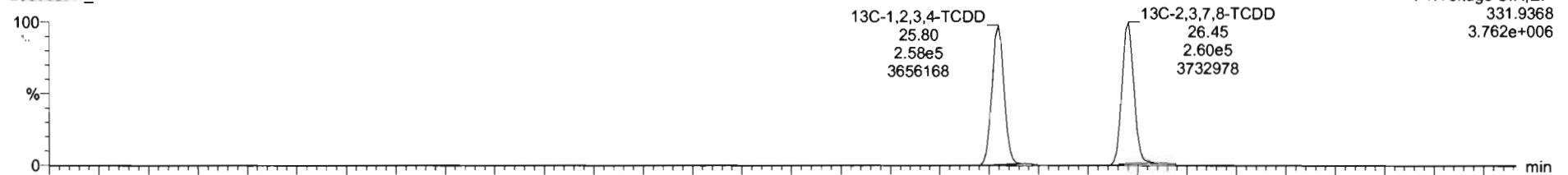


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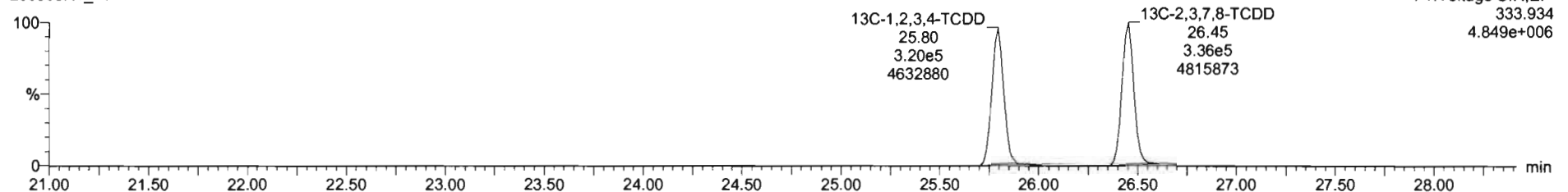


13C-2,3,7,8-TCDD

200608R1_11



200608R1_11



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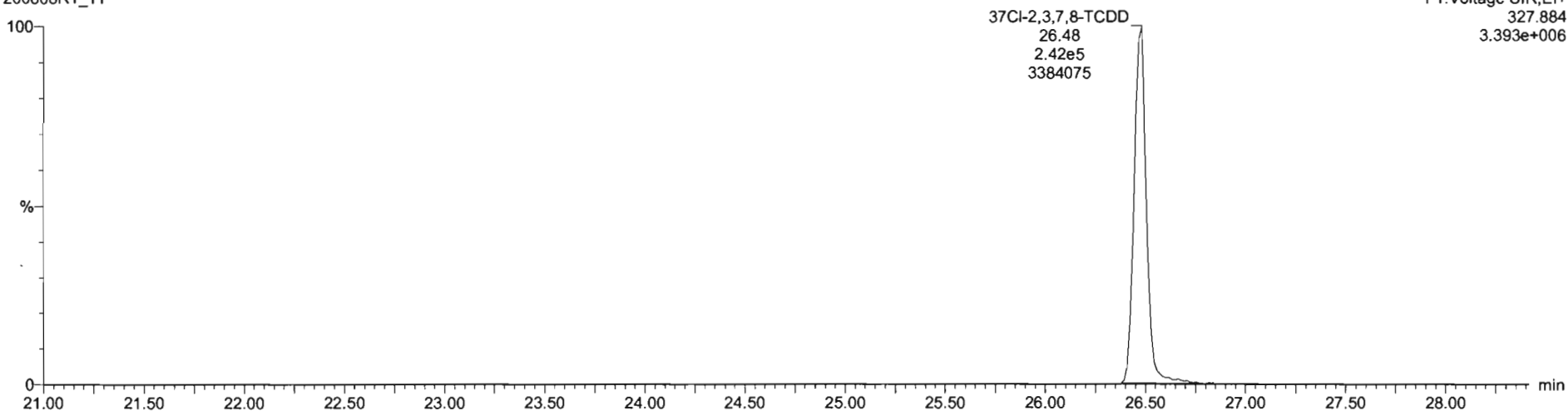
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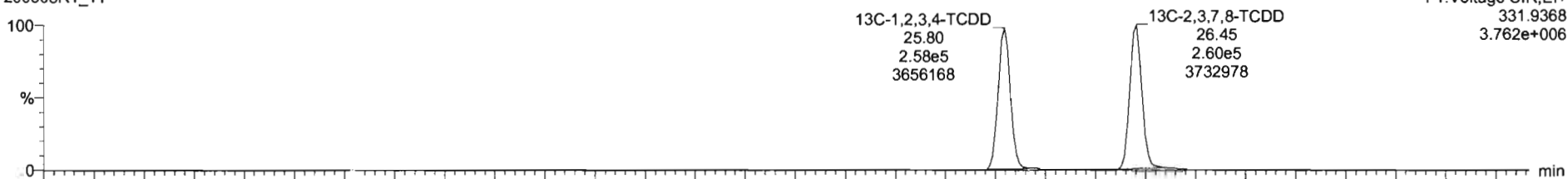
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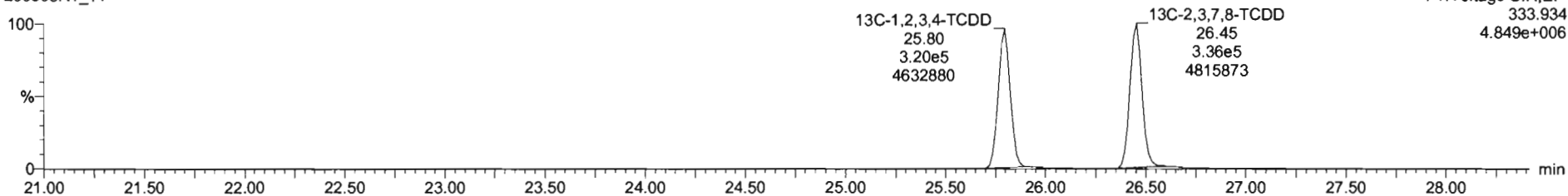


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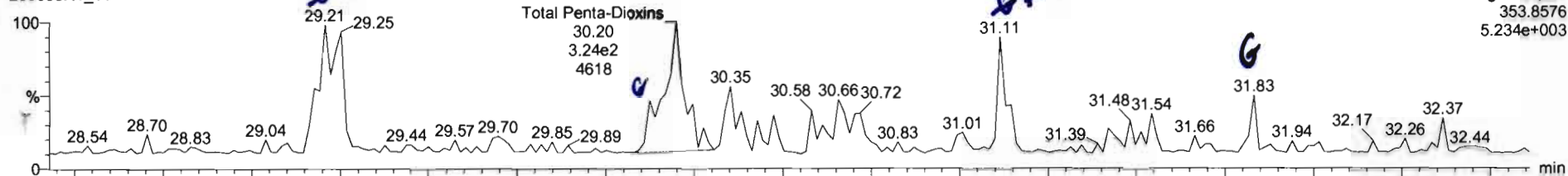
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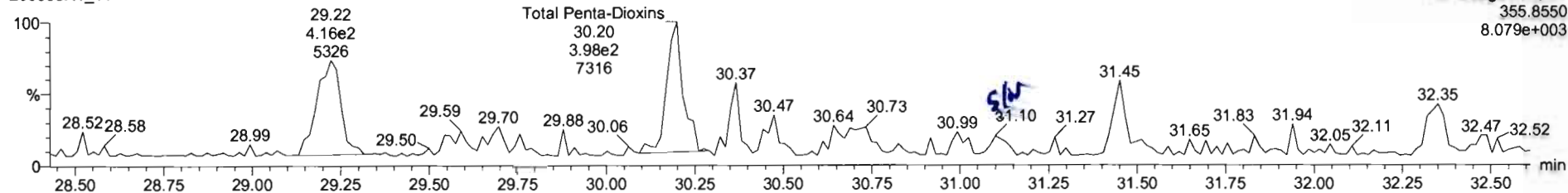
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1,2,3,7,8-PeCDD

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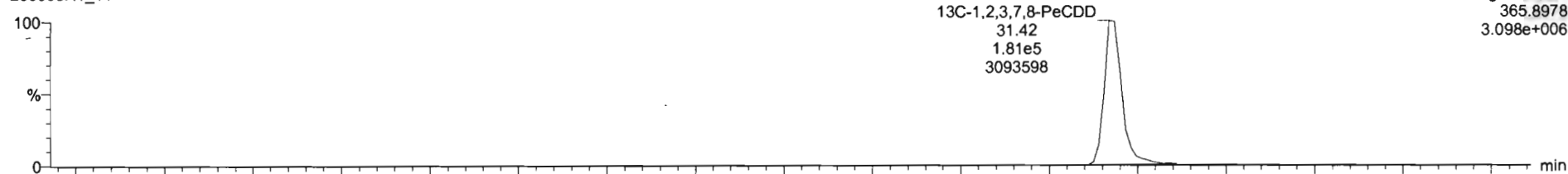


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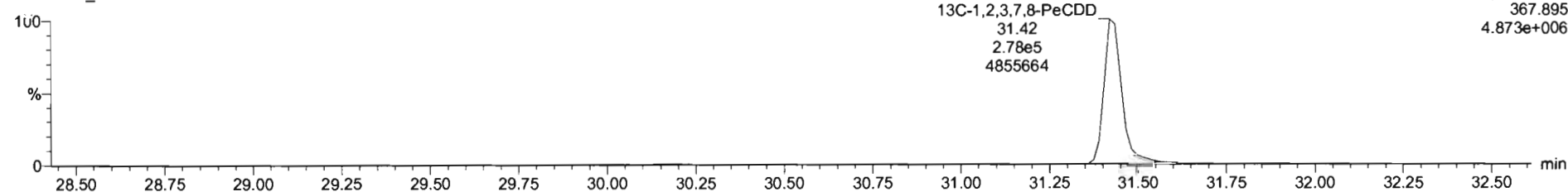


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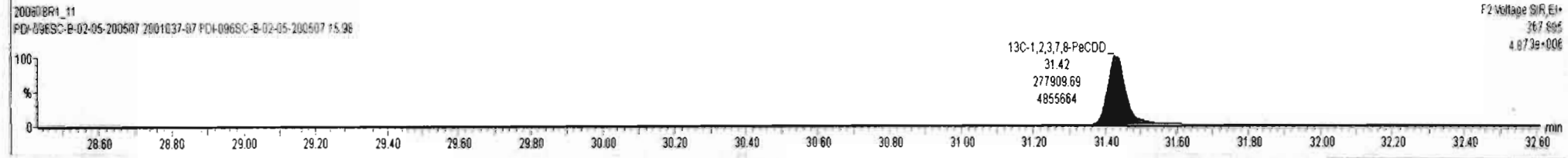
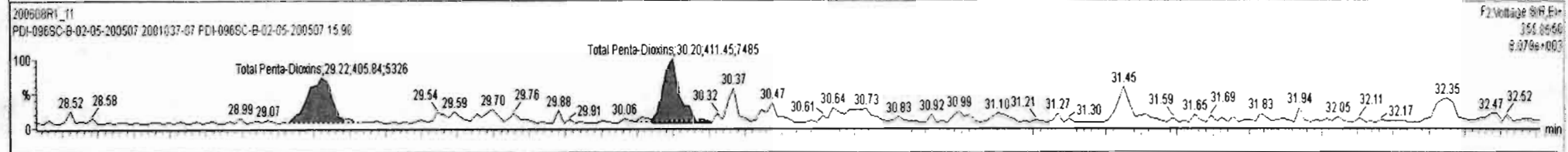
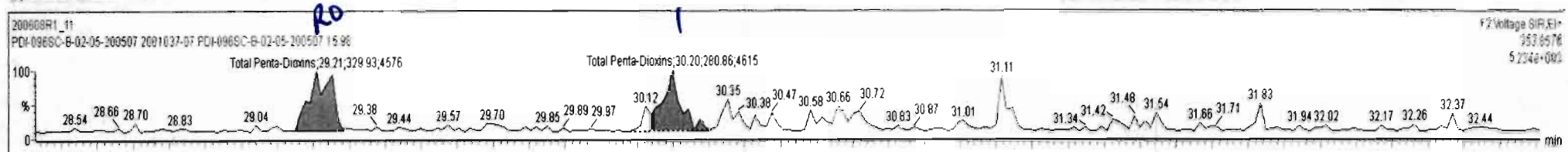


200608R1_11



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.011			0.480		0.0975	0.480
40 Total Penta-Dioxins				0.9081	10.011			0.332		0.113	0.649
41 Total Hexa-Dioxins				0.8923	10.011			3.54		0.197	6.54

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.21	3.299e2	4.058e2	0.81	YES	0.31722	0.00000
2 Total Penta-Dioxins	30.20	2.809e2	4.144e2	0.68	NO	0.33198	0.33198



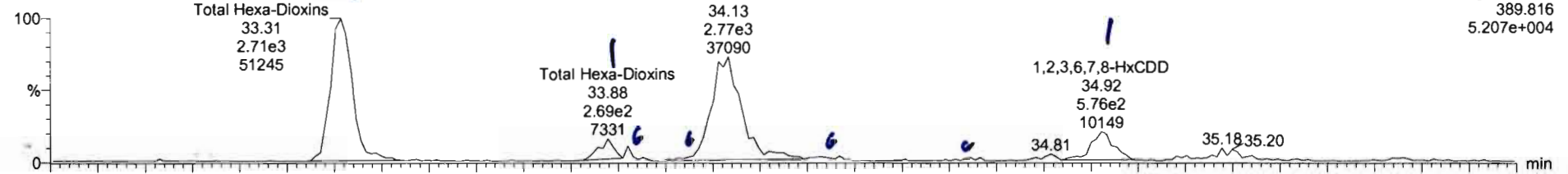
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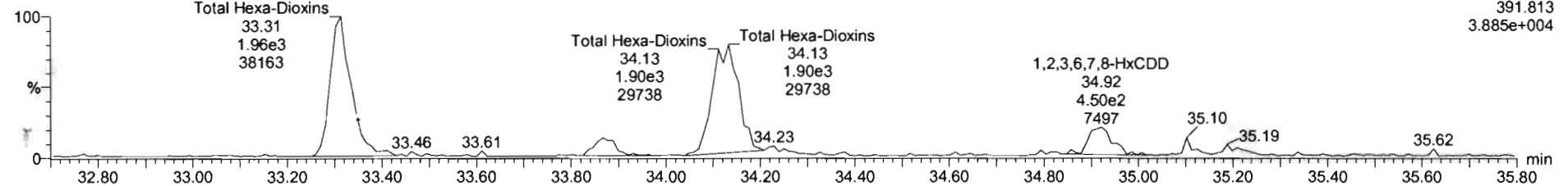
1,2,3,4,7,8-HxCDD

200608R1_11



F3: Voltage SIR, EI+
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5.207e+004

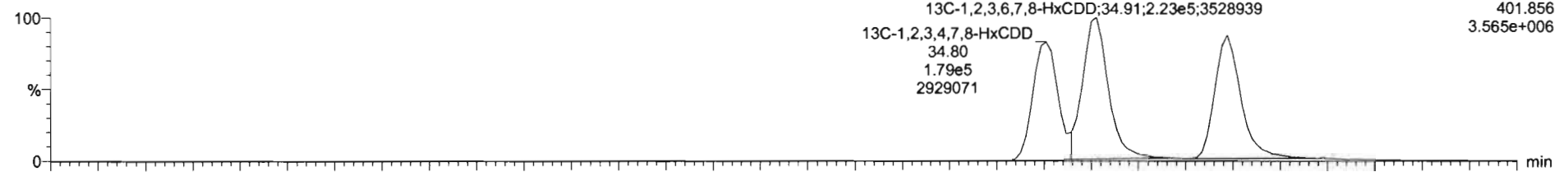
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3.885e+004

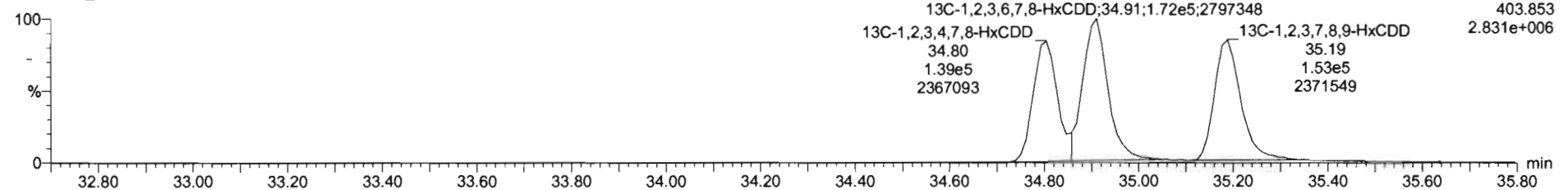
13C-1,2,3,4,7,8-HxCDD

200608R1_11



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3.565e+006

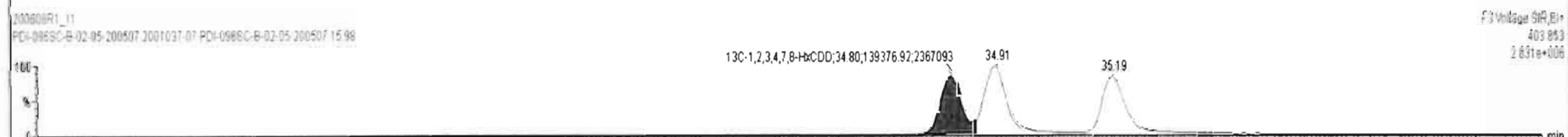
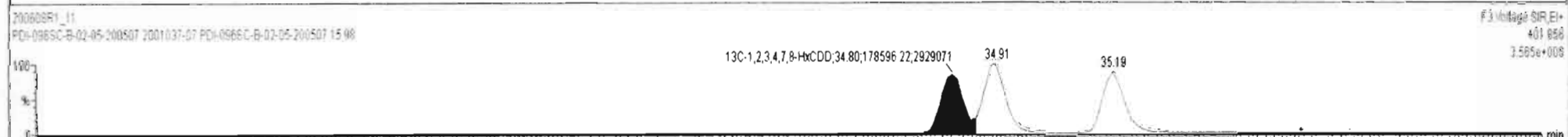
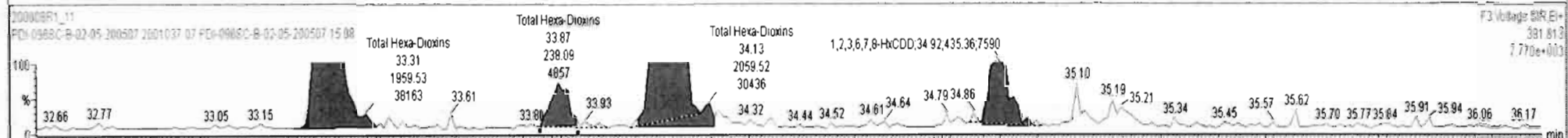
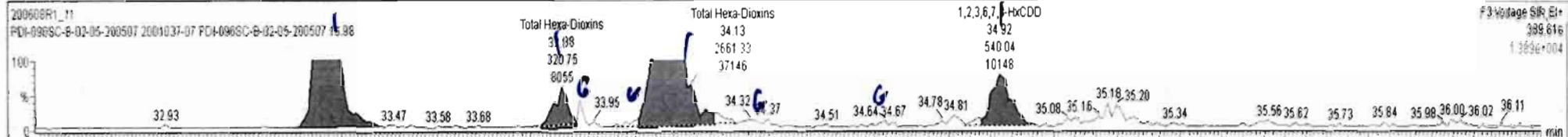
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F3: Voltage SIR, EI+
403.853
2.831e+006

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.011			0.480		0.0975	0.480
40 Total Penta-Dioxins				0.9081	10.011			0.332		0.113	0.649
41 Total Hexa-Dioxins				0.8923	10.011			6.85		0.197	6.85

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	2.713e3	1.960e3	1.38	NO	2.9563	2.9563
2 Total Hexa-Dioxins	33.88	3.208e2	2.381e2	1.35	NO	0.35357	0.35357
3 Total Hexa-Dioxins	34.13	2.661e3	2.060e3	1.29	NO	2.9868	2.9868
4 1,2,3,6,7,8-HxCDD	34.92	5.400e2	4.354e2	1.24	NO	0.55235	0.55235



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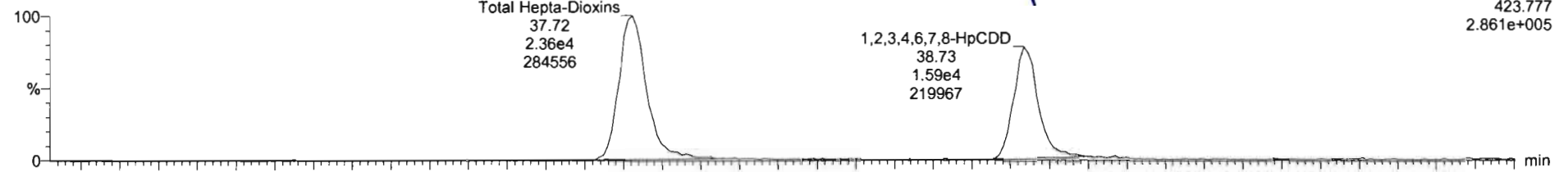
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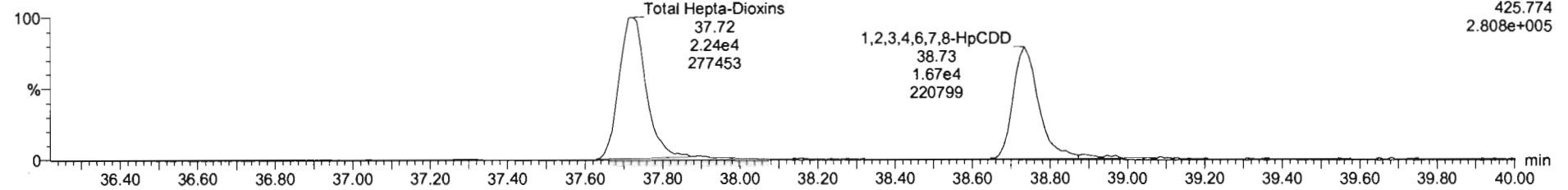
Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

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

200608R1_11

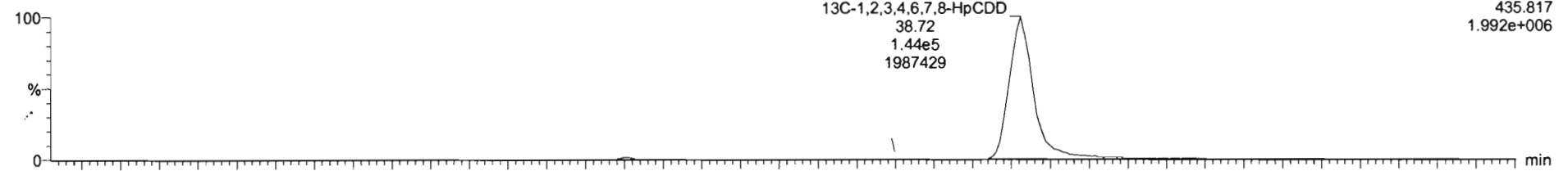


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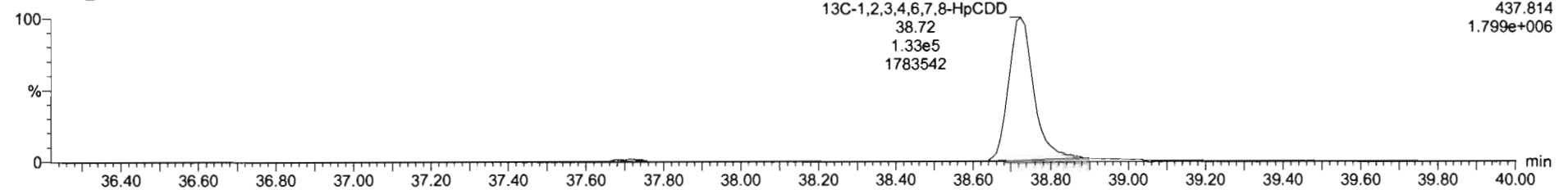


13C-1,2,3,4,6,7,8-HpCDD

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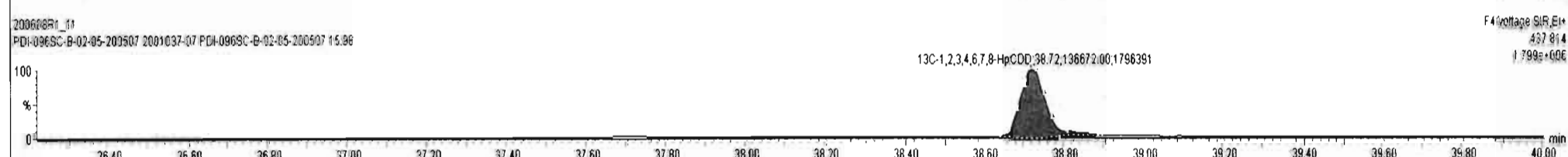
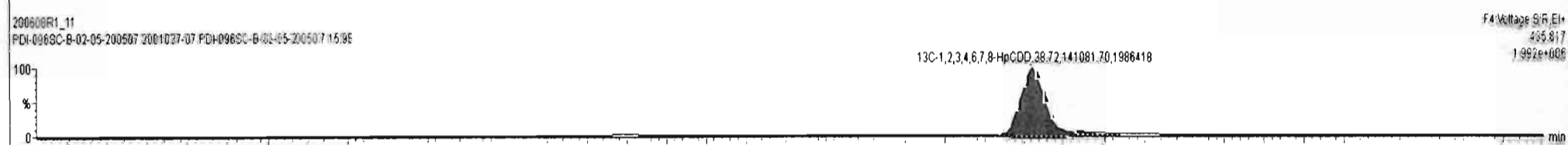
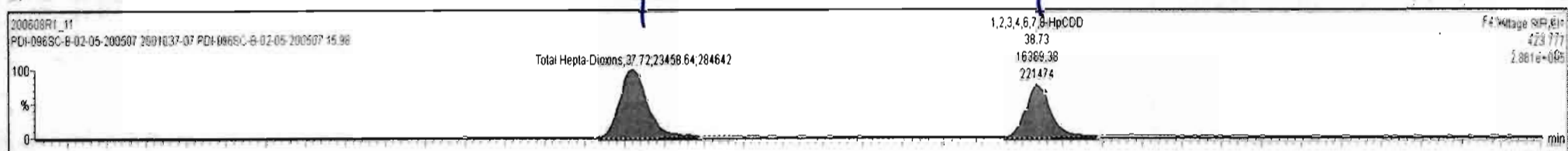


200608R1_11



Name	Resp	RA	n/y	RF	wtAol	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Dioxins				0.9639	10.011			66.2		0.443	66.2
43 Total Tetra-Furans				0.7510	10.011			31.6		0.153	35.5
44 1st Func. Penta-Furans				0.8925	10.011			2.98		0.0372	2.98

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Hepta-Dioxins	37.72	2.346e4	2.295e4	1.02	NO	38.641	38.641
2 1,2,3,4,6,7,8-HpCDD	38.73	1.639e4	1.669e4	0.98	NO	27.543	27.543

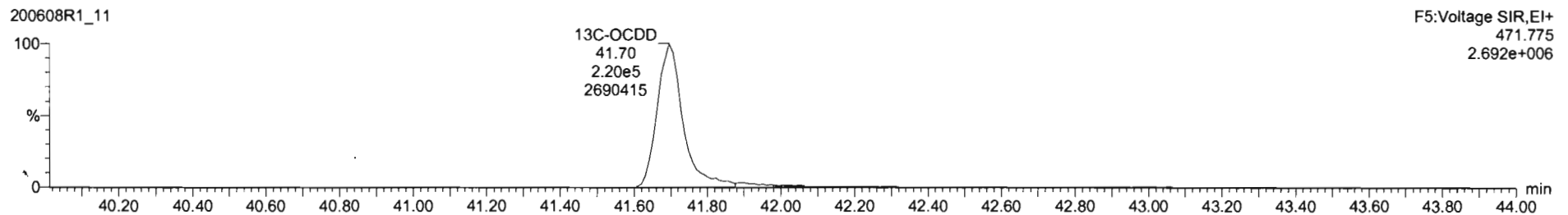
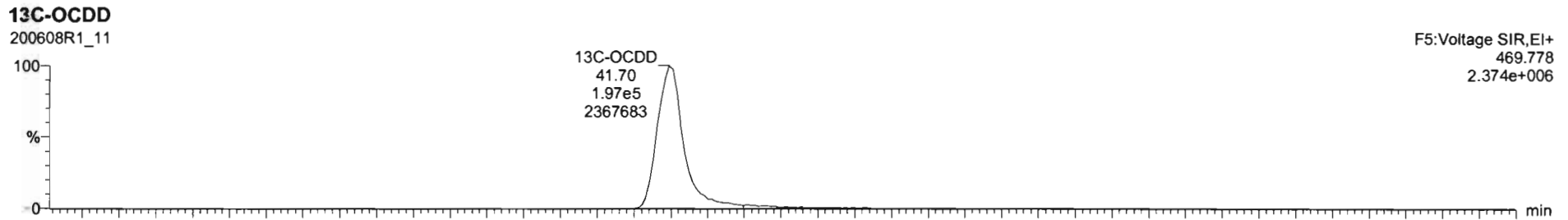
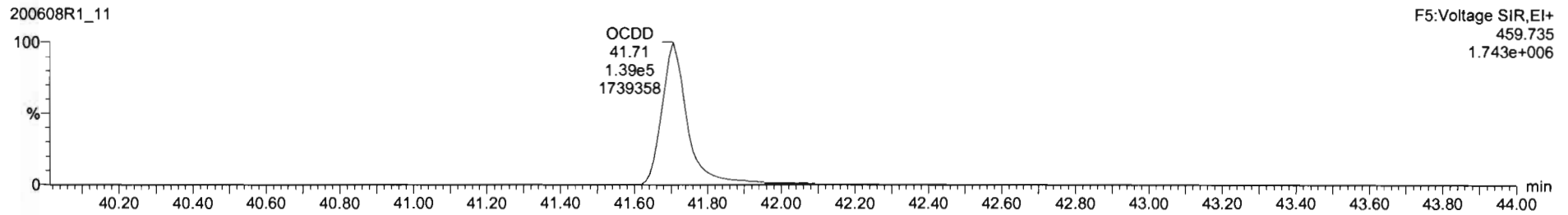
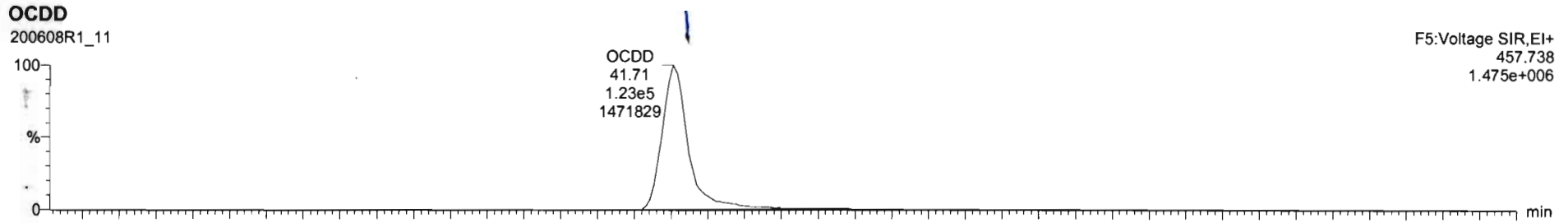


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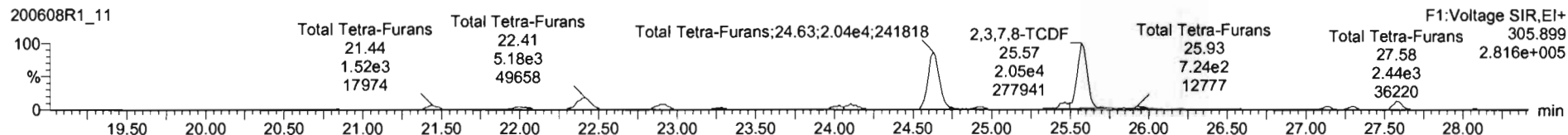
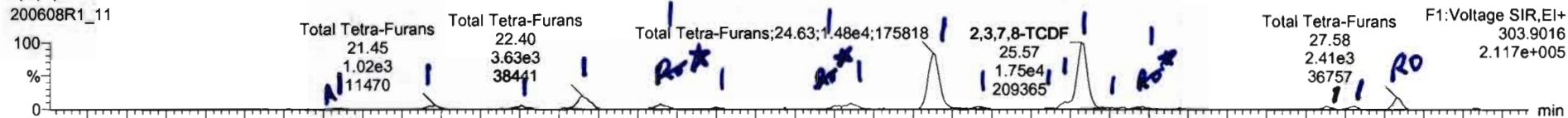
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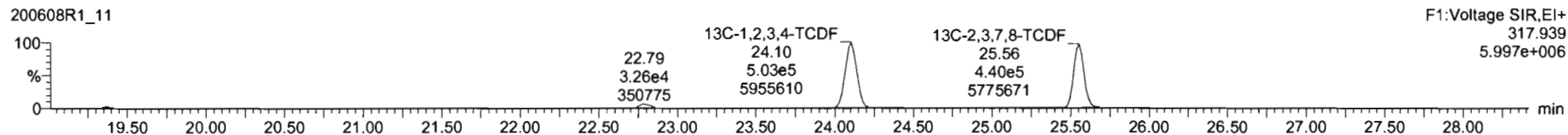
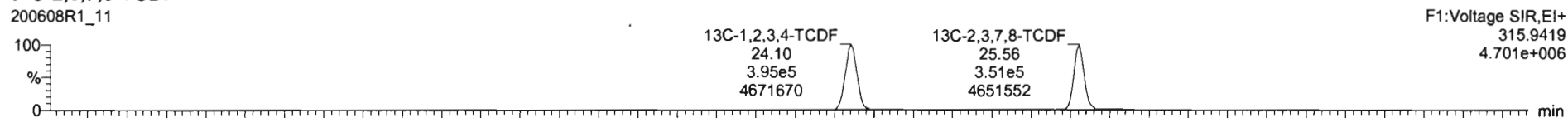
July 06-11-2020

Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

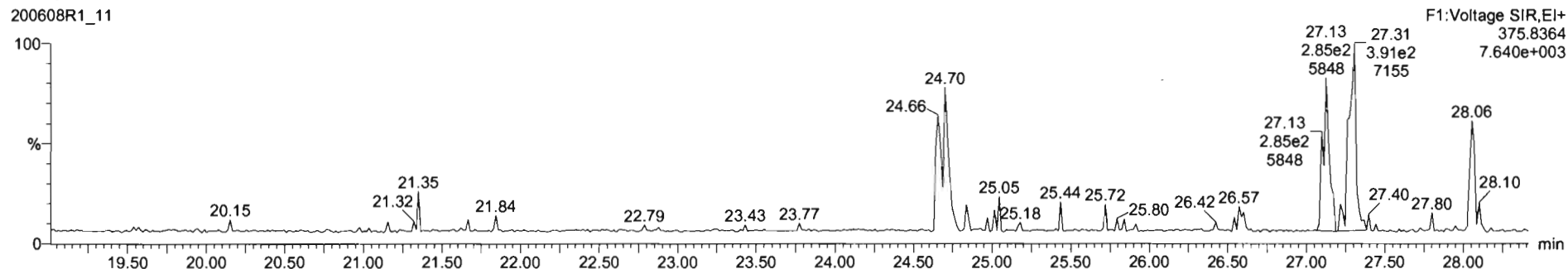
2,3,7,8-TCDF



¹³C-2,3,7,8-TCDF

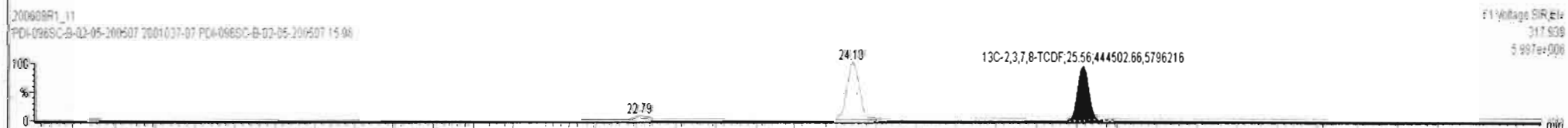
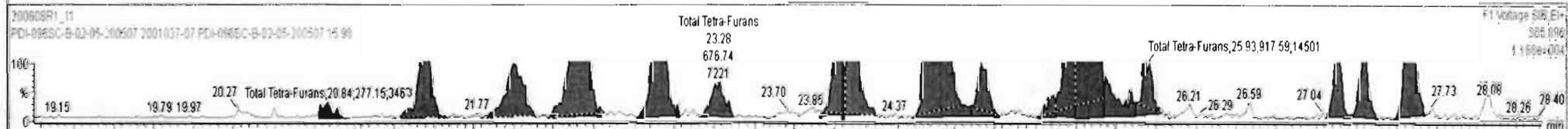
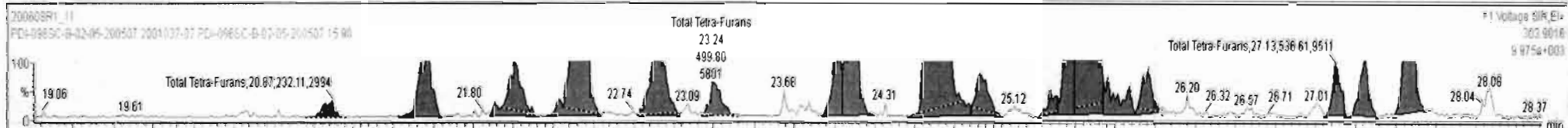


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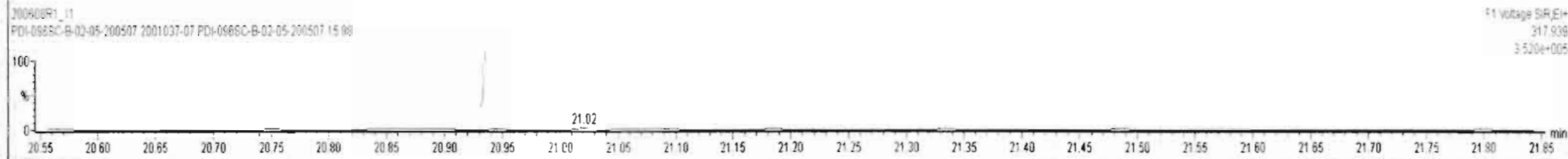
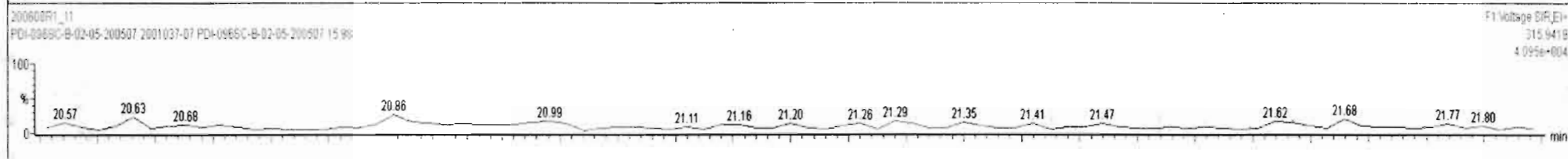
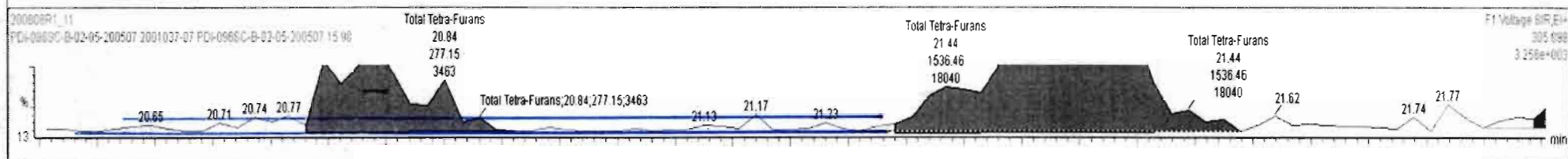
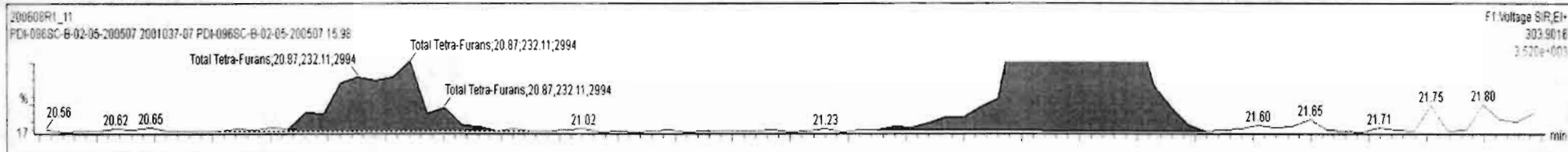
Name	Resp	RA	nly	RFF	wtAval	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.011			35.5		0.151	38.1
44 1st Func. Penta-Furans				0.8925	10.011			2.98		0.0372	2.98
45 Total Penta-Furans				0.8925	10.011			40.5		0.218	40.9

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	20.87	2.321e2	2.772e2	0.84	NO	0.17120	0.17120
2 Total Tetra-Furans	21.45	1.020e3	1.536e3	0.66	NO	0.85938	0.85938
3 Total Tetra-Furans	22.01	9.684e2	1.309e3	0.74	NO	0.76561	0.76561
4 Total Tetra-Furans	22.40	3.963e3	5.279e3	0.75	NO	3.1069	3.1069
5 Total Tetra-Furans	22.89	1.414e3	2.134e3	0.66	NO	1.1928	1.1928
6 Total Tetra-Furans	23.24	4.998e2	6.767e2	0.74	NO	0.39552	0.39552
7 Total Tetra-Furans	24.03	6.758e2	9.551e2	0.71	NO	0.54825	0.54825
8 Total Tetra-Furans	24.10	1.471e3	1.902e3	0.77	NO	1.1339	1.1339
9 Total Tetra-Furans	24.63	1.537e4	2.089e4	0.74	NO	12.188	12.188
10 Total Tetra-Furans	24.91	6.552e2	8.365e2	0.78	NO	0.50148	0.50148
11 Total Tetra-Furans	25.35	2.414e2	2.827e2	0.85	NO	0.17619	0.17619
12 Total Tetra-Furans	25.50	1.416e3	2.083e3	0.68	NO	1.1768	0.00000
13 2,3,7,8-TCDF	25.57	1.631e4	2.096e4	0.78	NO	12.529	12.529
14 Total Tetra-Furans	25.71	6.545e2	8.030e2	0.82	NO	0.48997	0.48997
15 Total Tetra-Furans	25.96	6.033e2	9.176e2	0.66	NO	0.51130	0.51130
16 Total Tetra-Furans	27.13	5.366e2	7.312e2	0.73	NO	0.42623	0.42623
17 Total Tetra-Furans	27.31	6.426e2	8.265e2	0.78	NO	0.49395	0.49395
18 Total Tetra-Furans	27.58	2.408e3	2.435e3	0.99	YES	1.4492	0.00000



Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.011			34.4		0.151	38.0
44 1st Func. Penta-Furans				0.8925	10.011			2.98		0.0372	2.98
45 Total Penta-Furans				0.8925	10.011			40.5		0.218	40.9

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Tetra-Furans	20.87	2.321e2	2.772e2	0.84	NO	0.17120	0.17120
2 Total Tetra-Furans	21.45	1.020e3	1.536e3	0.66	NO	0.85938	0.85938
3 Total Tetra-Furans	22.01	9.684e2	1.325e3	0.73	NO	0.77084	0.77084
4 Total Tetra-Furans	22.40	3.963e3	5.279e3	0.75	NO	3.1069	3.1069
5 Total Tetra-Furans	22.89	1.414e3	2.134e3	0.66	NO	1.1928	1.1928
6 Total Tetra-Furans	23.24	4.998e2	6.767e2	0.74	NO	0.39552	0.39552
7 Total Tetra-Furans	24.03	6.758e2	1.096e3	0.62	YES	0.52223	0.00000
8 Total Tetra-Furans	24.10	1.471e3	1.758e3	0.84	NO	1.0655	1.0655
9 Total Tetra-Furans	24.63	1.537e4	2.089e4	0.74	NO	12.188	12.188
10 Total Tetra-Furans	24.91	6.552e2	8.365e2	0.78	NO	0.50148	0.50148
11 Total Tetra-Furans	25.35	2.414e2	2.827e2	0.85	NO	0.17619	0.17619
12 Total Tetra-Furans	25.50	1.418e3	2.083e3	0.68	NO	1.1768	0.00000
13 2,3,7,8-TCDF	25.57	1.631e4	2.096e4	0.78	NO	12.529	12.529
14 Total Tetra-Furans	25.71	6.545e2	8.030e2	0.82	NO	0.48997	0.48997
15 Total Tetra-Furans	25.96	5.836e2	9.108e2	0.64	YES	0.45089	0.00000
16 Total Tetra-Furans	27.13	5.366e2	7.312e2	0.73	NO	0.42623	0.42623



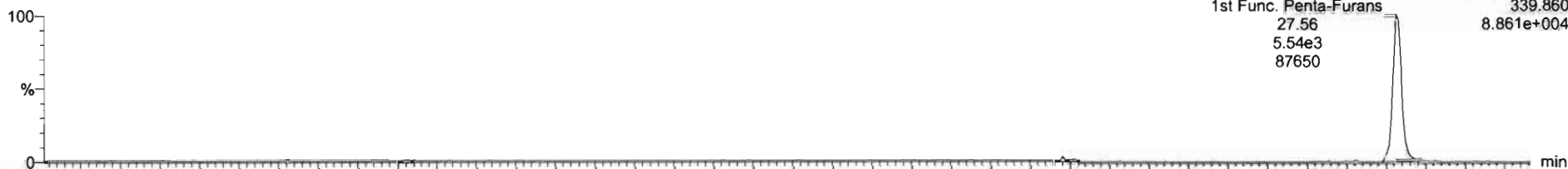
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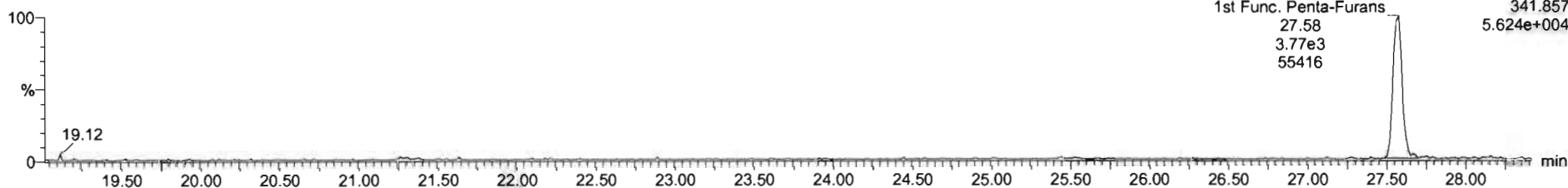
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1st Func. Penta-Furans

200608R1_11

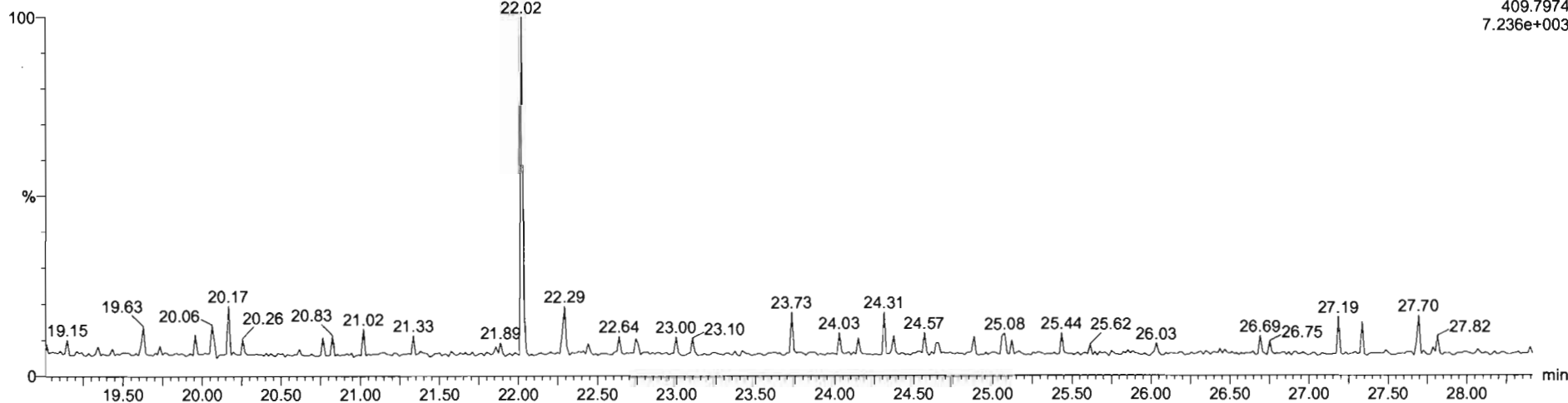


200608R1_11



DPE6

200608R1_11

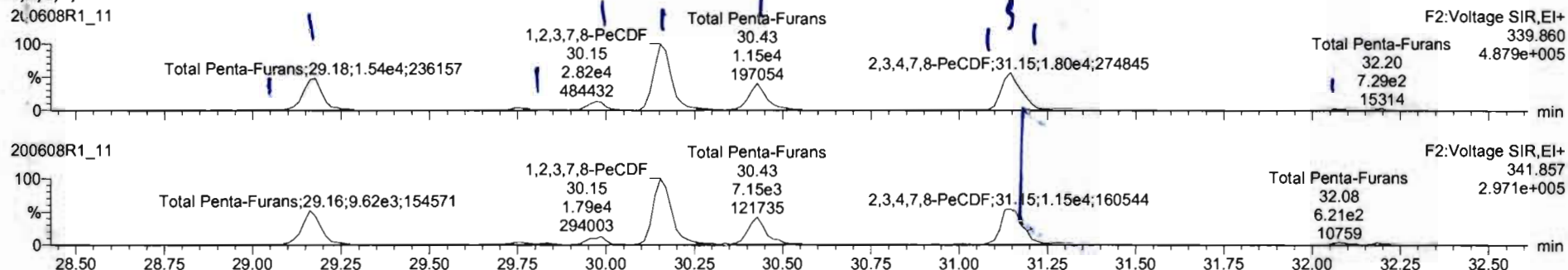


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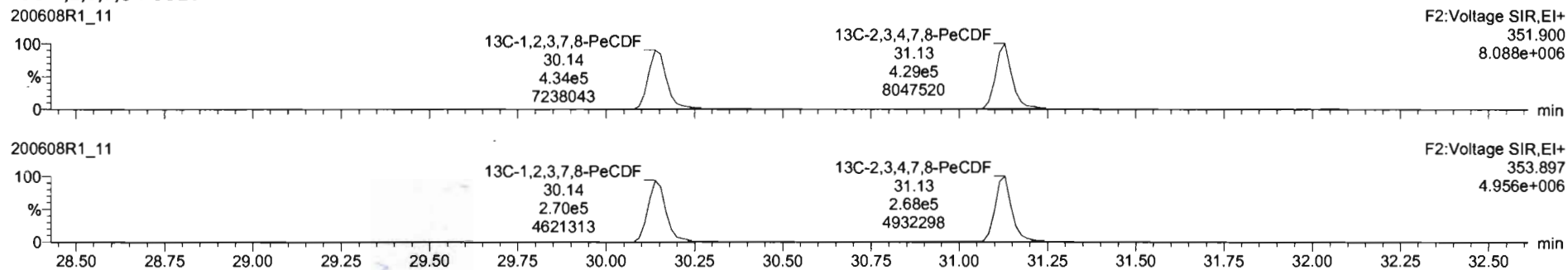
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Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

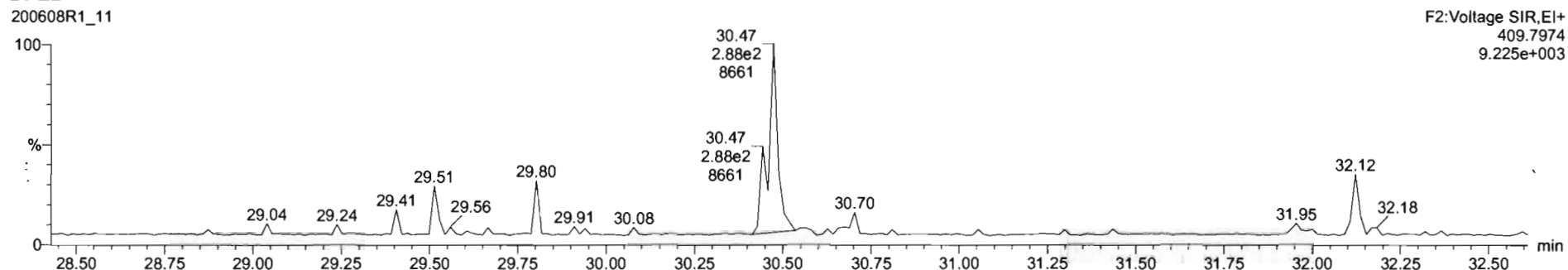
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13C-1,2,3,7,8-PeCDF



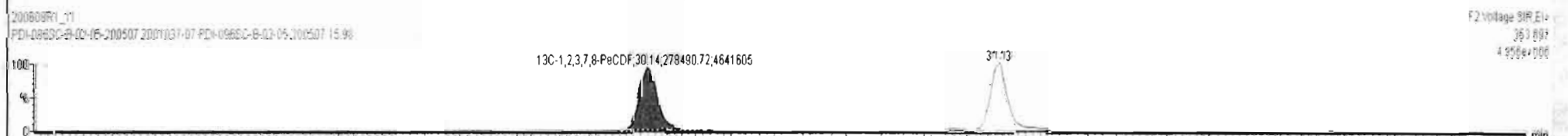
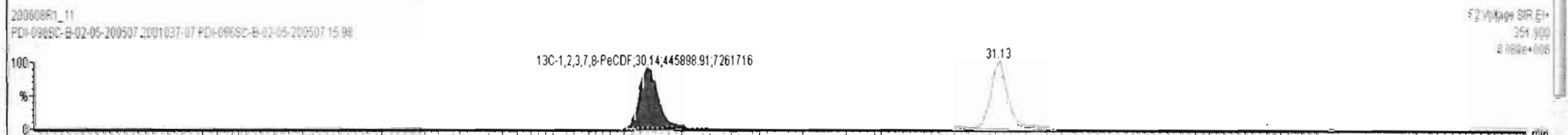
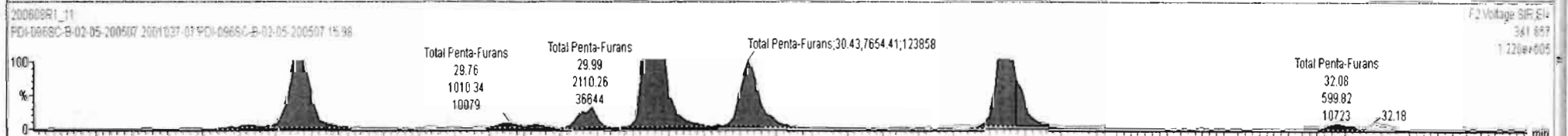
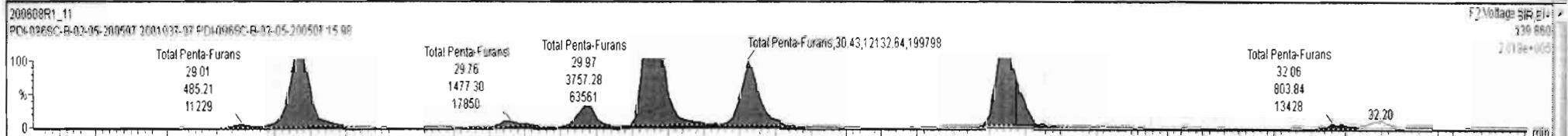
DPE2



200608R1_11 - 2001037-07 PDI-096SC-B-02-05-200507 15 38 - PDI-096SC-B-02-05-200507

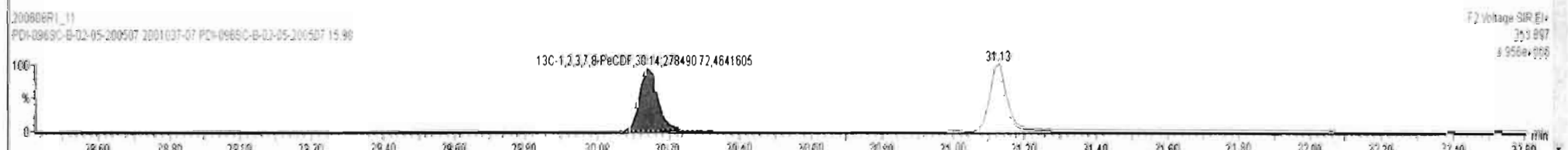
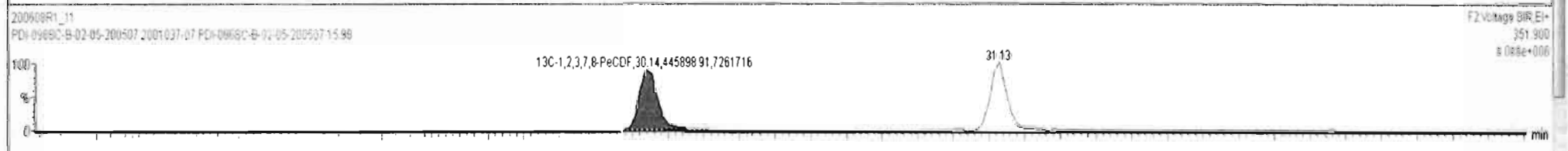
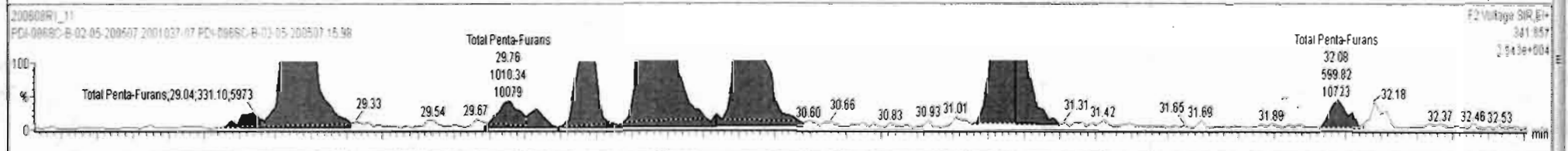
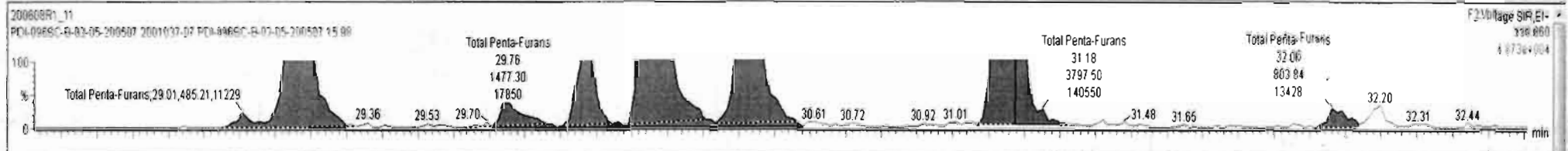
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.011			41.4		0.217	41.4
46 Total Hexa-Furans				0.9341	10.011			40.5		0.211	40.5
47 Total Hepta-Furans				0.8734	10.011			28.1		0.293	28.1

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	4.852e2	3.311e2	1.47	NO	0.25710	0.25710
2 Total Penta-Furans	29.18	1.549e4	9.874e3	1.57	NO	7.9888	7.9888
3 Total Penta-Furans	29.76	1.477e3	1.010e3	1.46	NO	0.78349	0.78349
4 Total Penta-Furans	29.97	3.757e3	2.110e3	1.78	NO	1.8480	1.8480
5 1,2,3,7,8-PeCDF	30.15	2.913e4	1.853e4	1.57	NO	14.726	14.726
6 Total Penta-Furans	30.43	1.213e4	7.654e3	1.59	NO	8.2320	6.2320
7 2,3,4,7,8-PeCDF	31.15	1.419e4	9.019e3	1.57	NO	7.1173	7.1173
8 Total Penta-Furans	31.18	3.798e3	2.425e3	1.57	NO	1.9597	1.9597
9 Total Penta-Furans	32.06	8.038e2	5.998e2	1.34	NO	0.44209	0.44209



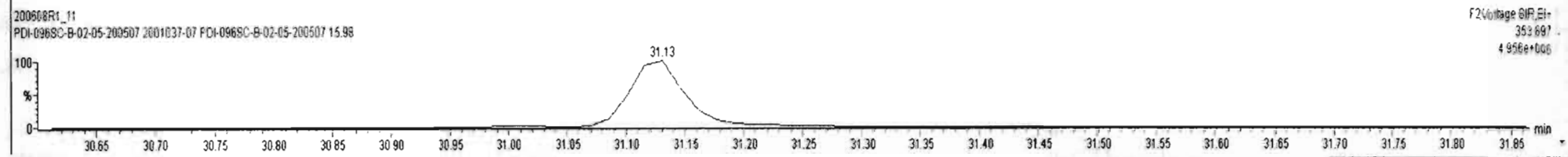
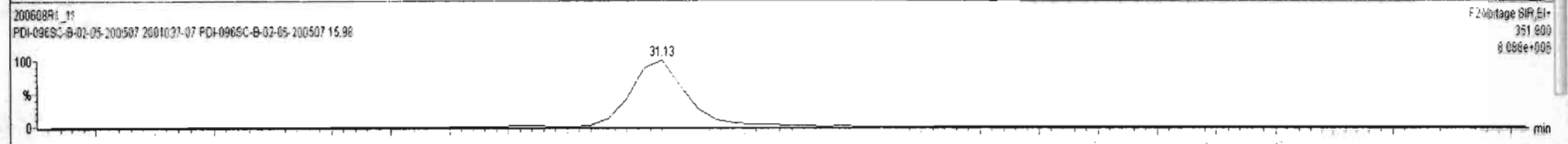
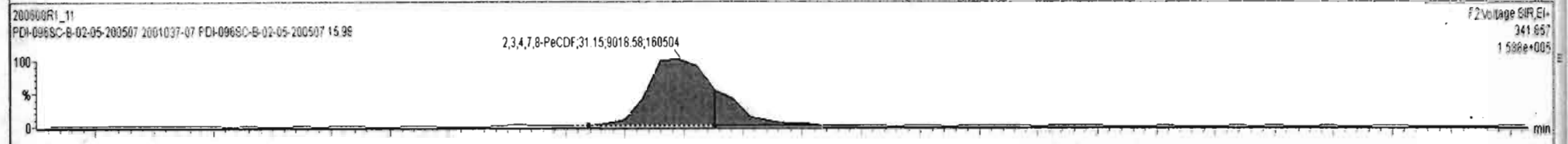
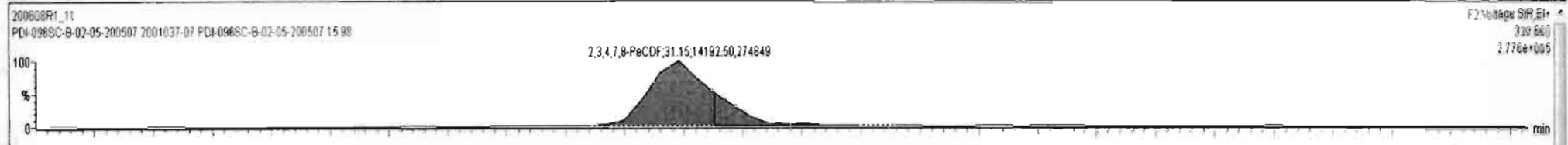
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.011			41.4		0.217	41.4
46 Total Hexa-Furans				0.9341	10.011			40.5		0.211	40.5
47 Total Hepta-Furans				0.8734	10.011			28.1		0.293	28.1

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.01	4.852e2	3.311e2	1.47	NO	0.25710	0.25710
2 Total Penta-Furans	29.18	1.549e4	9.874e3	1.57	NO	7.9888	7.9888
3 Total Penta-Furans	29.76	1.477e3	1.010e3	1.46	NO	0.78349	0.78349
4 Total Penta-Furans	29.97	3.757e3	2.110e3	1.78	NO	1.8480	1.8480
5 1,2,3,7,8-PeCDF	30.15	2.913e4	1.853e4	1.57	NO	14.726	14.726
6 Total Penta-Furans	30.43	1.213e4	7.554e3	1.59	NO	6.2320	6.2320
7 2,3,4,7,8-PeCDF	31.15	1.419e4	9.019e3	1.57	NO	7.1173	7.1173
8 Total Penta-Furans	31.18	3.799e3	2.425e3	1.57	NO	1.9597	1.9597
9 Total Penta-Furans	32.06	8.038e2	5.988e2	1.34	NO	0.44209	0.44209



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.011			41.4		0.217	41.4
46 Total Hexa-Furans				0.9341	10.011			40.5		0.211	40.5
47 Total Hepta-Furans				0.8734	10.011			28.1		0.283	28.1

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	4.852e2	3.311e2	1.47	NO	0.25710	0.25710
2 Total Penta-Furans	29.18	1.549e4	9.874e3	1.57	NO	7.9888	7.9888
3 Total Penta-Furans	29.76	1.477e3	1.010e3	1.46	NO	0.78349	0.78349
4 Total Penta-Furans	29.97	3.757e3	2.110e3	1.78	NO	1.8480	1.8480
5 1,2,3,7,8-PeCDF	30.15	2.913e4	1.853e4	1.57	NO	14.726	14.726
6 Total Penta-Furans	30.43	1.213e4	7.654e3	1.59	NO	6.2320	6.2320
7 2,3,4,7,8-PeCDF	31.15	1.419e4	9.019e3	1.57	NO	7.1173	7.1173
8 Total Penta-Furans	31.18	3.798e3	2.425e3	1.57	NO	1.9597	1.9597
9 Total Penta-Furans	32.06	8.038e2	5.996e2	1.34	NO	0.44209	0.44209

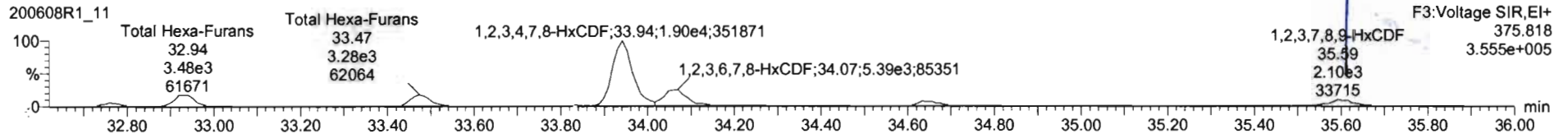
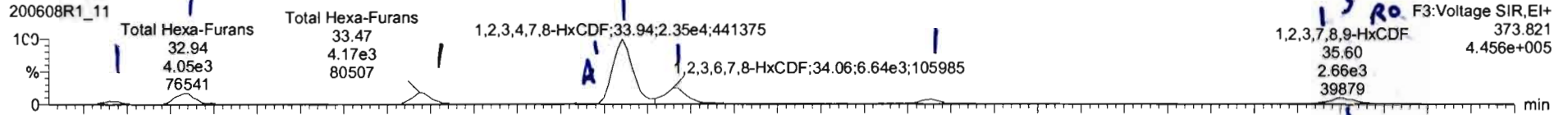


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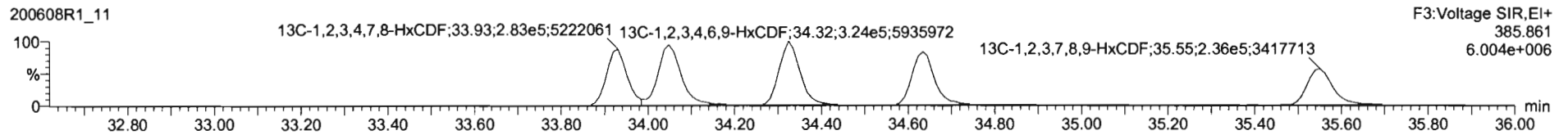
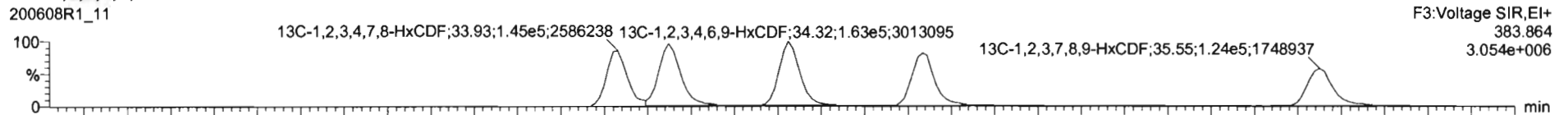
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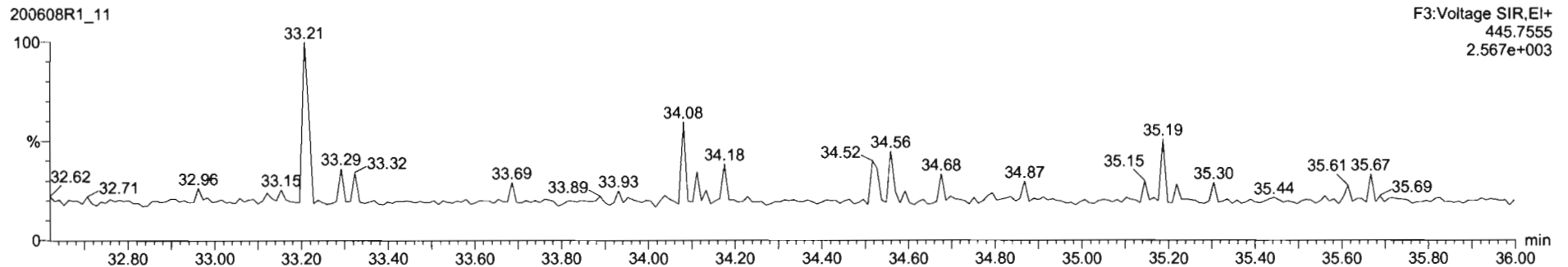
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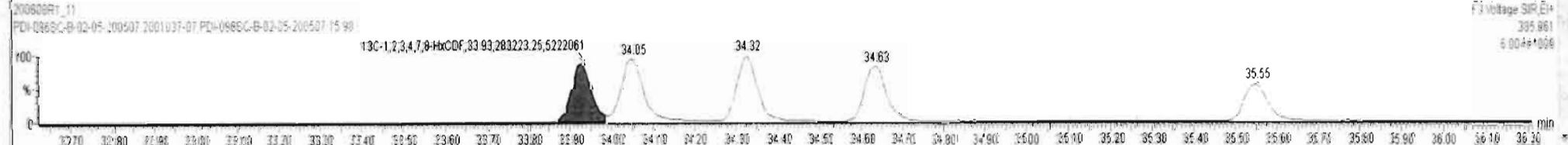
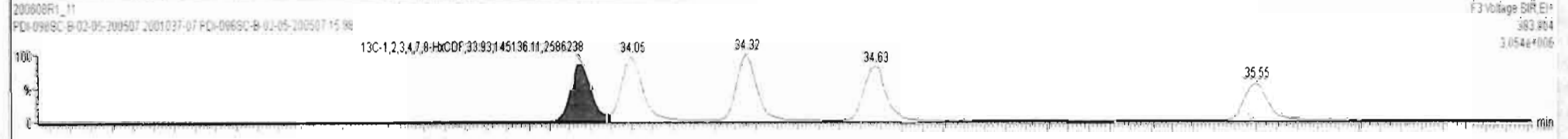
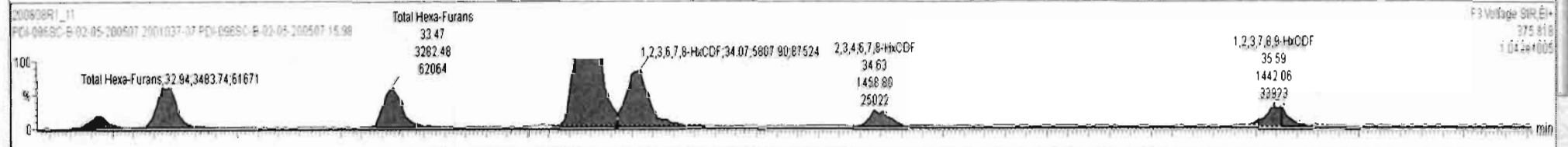
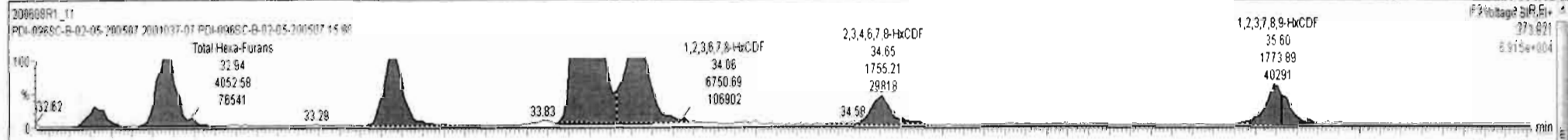


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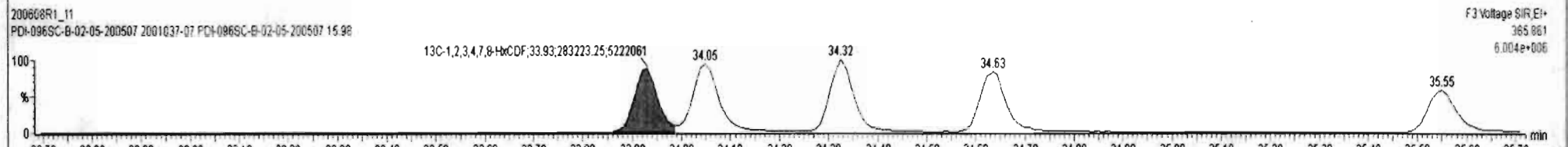
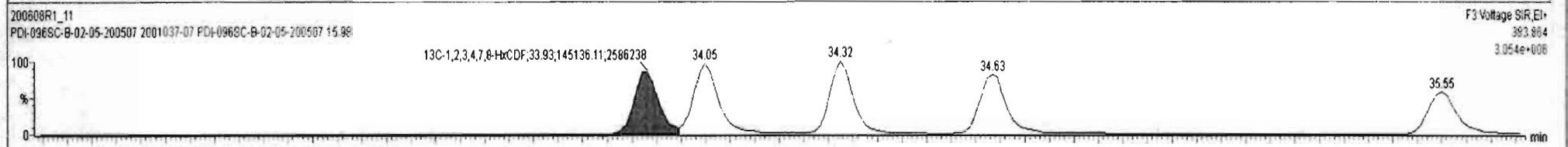
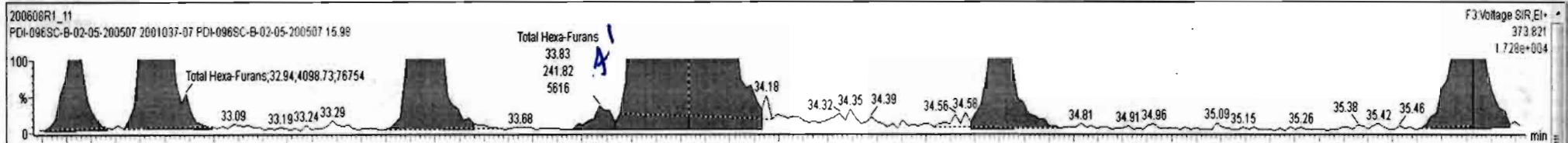
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.011			41.4		0.217	41.4
46 Total Hexa-Furans				0.9341	10.011			40.0		0.211	40.7
47 Total Hepta-Furans				0.8734	10.011			28.1		0.293	28.1

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	9.756e2	9.053e2	1.08	NO	0.91778	0.91778
2 Total Hexa-Furans	32.94	4.053e3	3.484e3	1.16	NO	3.6772	3.6772
3 Total Hexa-Furans	33.47	4.138e3	3.282e3	1.26	NO	3.6206	3.6206
4 1,2,3,4,7,8-HxCDF	33.94	2.375e4	1.936e4	1.23	NO	22.735	22.735
5 1,2,3,6,7,8-HxCDF	34.06	6.751e3	5.808e3	1.16	NO	5.4535	5.4535
6 2,3,4,6,7,8-HxCDF	34.65	1.755e3	1.459e3	1.20	NO	1.5363	1.5363
7 1,2,3,7,8,9-HxCDF	35.60	1.774e3	1.442e3	1.23	NO	2.0491	2.0491
8 Total Hexa-Furans	35.61	9.553e2	6.676e2	1.43	YES	0.72967	0.00000



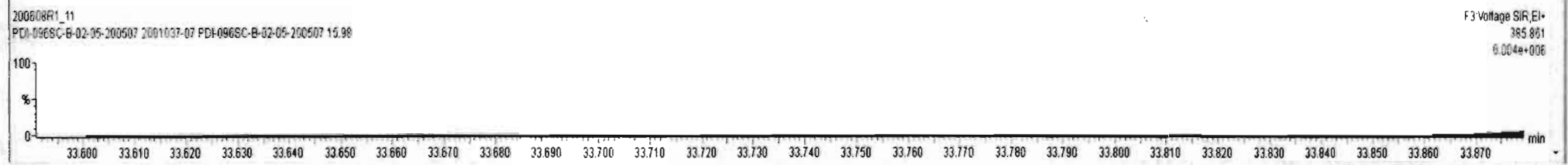
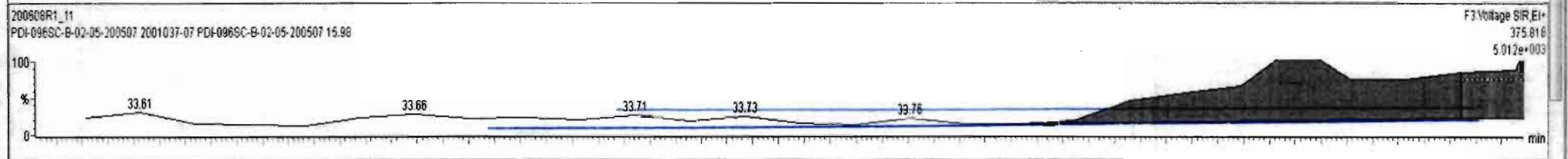
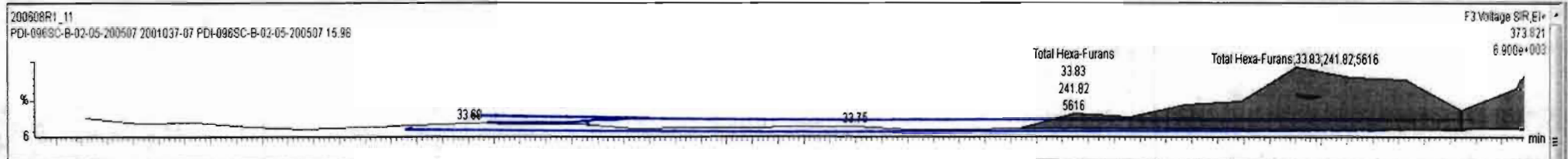
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.011			40.6	0.21	41.3	
47 Total Hepta-Furans				0.8734	10.011			28.7	0.292	28.7	
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	1.006e3	9.396e2	1.07	NO	0.94940	0.94940
2 Total Hexa-Furans	32.94	4.098e3	3.564e3	1.15	NO	3.7389	3.7389
3 Total Hexa-Furans	33.47	4.138e3	3.335e3	1.24	NO	3.6461	3.6461
4 Total Hexa-Furans	33.83	2.418e2	1.954e2	1.24	NO	0.21334	0.21334
5 1,2,3,4,7,8-HxCDF	33.94	2.400e4	1.937e4	1.24	NO	22.870	22.870
6 1,2,3,6,7,8-HxCDF	34.06	7.000e3	5.785e3	1.21	NO	5.5515	5.5515
7 2,3,4,6,7,8-HxCDF	34.85	1.755e3	1.522e3	1.15	NO	1.5664	1.5664
8 1,2,3,7,8,9-HxCDF	35.60	1.774e3	1.481e3	1.21	NO	2.0613	2.0613
9 Total Hexa-Furans	35.61	9.552e2	6.675e2	1.43	YES	0.72967	0.00000



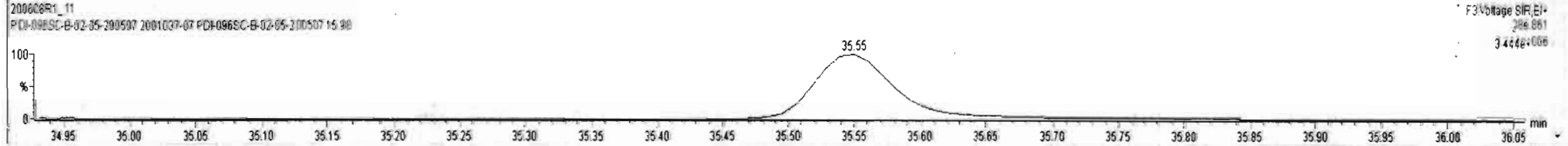
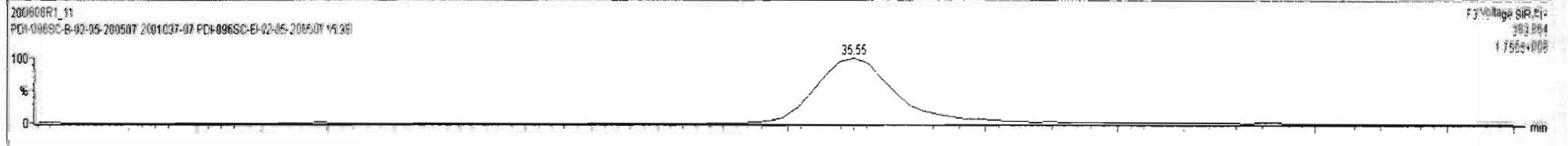
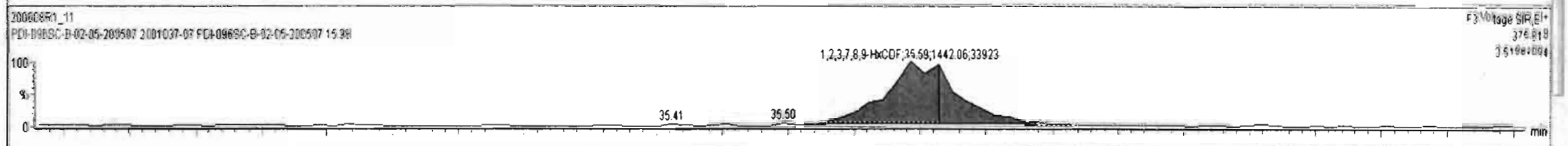
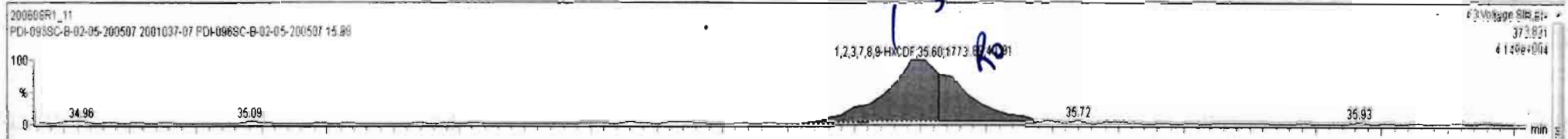
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.011			40.6		0.211	41.3
47 Total Hepta-Furans				0.8734	10.011			26.7		0.292	26.7
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	1.006e3	9.396e2	1.07	NO	0.94940	0.94940
2 Total Hexa-Furans	32.94	4.099e3	3.564e3	1.15	NO	3.7389	3.7389
3 Total Hexa-Furans	33.47	4.138e3	3.335e3	1.24	NO	3.6461	3.6461
4 Total Hexa-Furans	33.83	2.418e2	1.954e2	1.24	NO	0.21334	0.21334
5 1,2,3,4,7,8-HxCDF	33.94	2.400e4	1.937e4	1.24	NO	22.870	22.870
6 1,2,3,6,7,8-HxCDF	34.06	7.000e3	5.785e3	1.21	NO	5.5515	5.5515
7 2,3,4,6,7,8-HxCDF	34.85	1.755e3	1.522e3	1.15	NO	1.5664	1.5664
8 1,2,3,7,8,9-HxCDF	35.60	1.774e3	1.461e3	1.21	NO	2.0613	2.0613
9 Total Hexa-Furans	35.81	9.553e2	6.676e2	1.43	YES	0.72967	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.011			41.4		0.217	41.4
46 Total Hexa-Furans				0.9341	10.011			40.0		0.211	40.7
47 Total Hepta-Furans				0.8734	10.011			28.1		0.293	28.1

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	9.756e2	9.053e2	1.08	NO	0.91778	0.91778
2 Total Hexa-Furans	32.94	4.053e3	3.484e3	1.16	NO	3.6772	3.6772
3 Total Hexa-Furans	33.47	4.138e3	3.282e3	1.26	NO	3.6206	3.6206
4 1,2,3,4,7,8-HxCDF	33.94	2.375e4	1.936e4	1.23	NO	22.735	22.735
5 1,2,3,6,7,8-HxCDF	34.06	6.751e3	5.808e3	1.16	NO	5.4535	5.4535
6 2,3,4,6,7,8-HxCDF	34.65	1.755e3	1.459e3	1.20	NO	1.5363	1.5363
7 1,2,3,7,8,9-HxCDF	35.80	1.774e3	1.442e3	1.23	NO	2.0491	2.0491
8 Total Hexa-Furans	35.61	9.553e2	6.676e2	1.43	YES	0.72967	0.00000

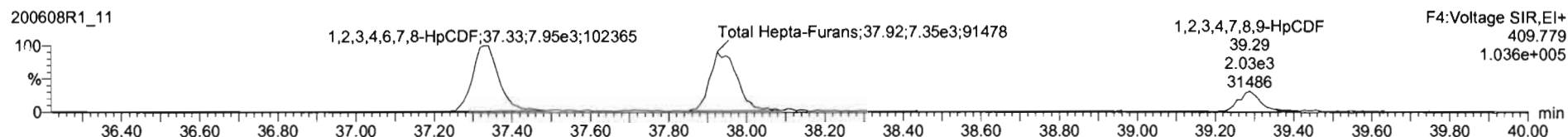
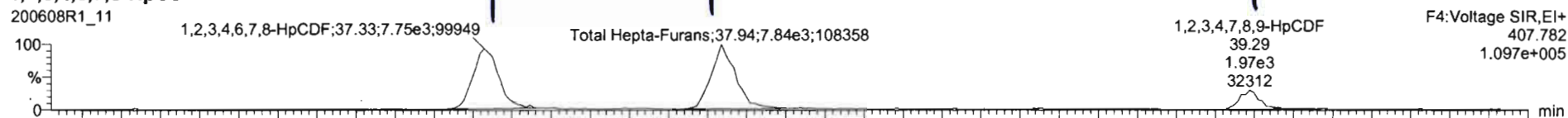


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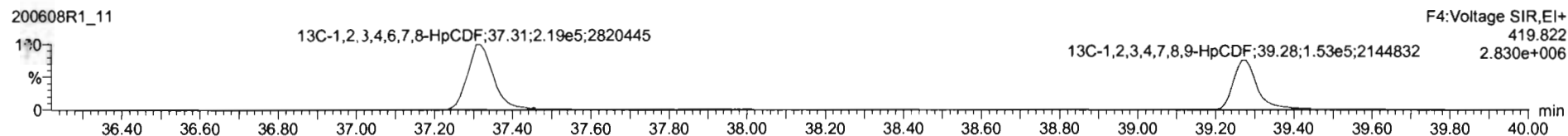
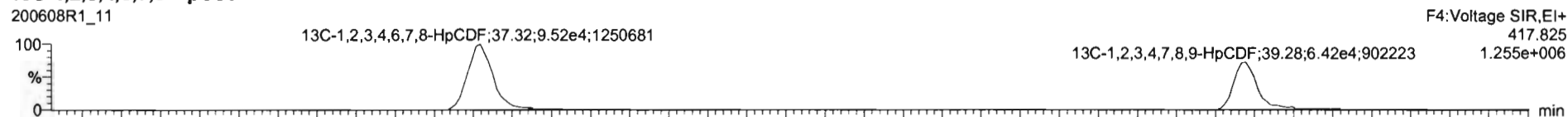
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Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

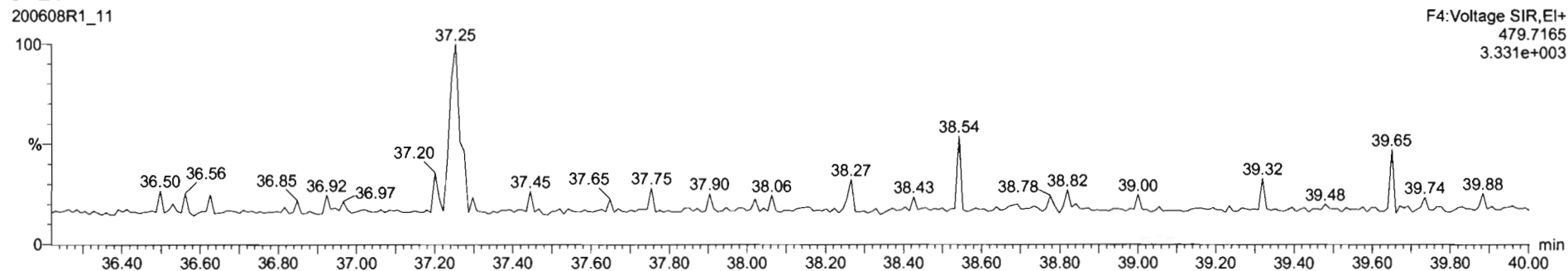
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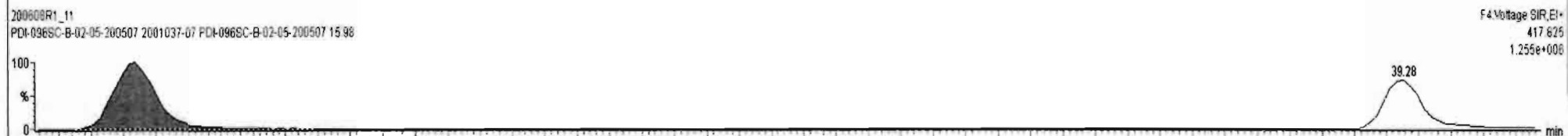


DPE4



Name	Resp	RA	n/y	RF	w/Aol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.011			41.4		0.217	41.4
46 Total Hexa-Furans				0.9341	10.011			40.0		0.211	40.7
47 Total Hepta-Furans				0.8734	10.011			26.7		0.292	26.7

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	8.022e3	8.083e3	0.99	NO	11.765	11.765
2 Total Hepta-Furans	37.94	7.932e3	7.547e3	1.05	NO	13.345	13.345
3 1,2,3,4,7,8,9-HpCDF	39.29	1.976e3	2.033e3	0.97	NO	3.6351	3.6351

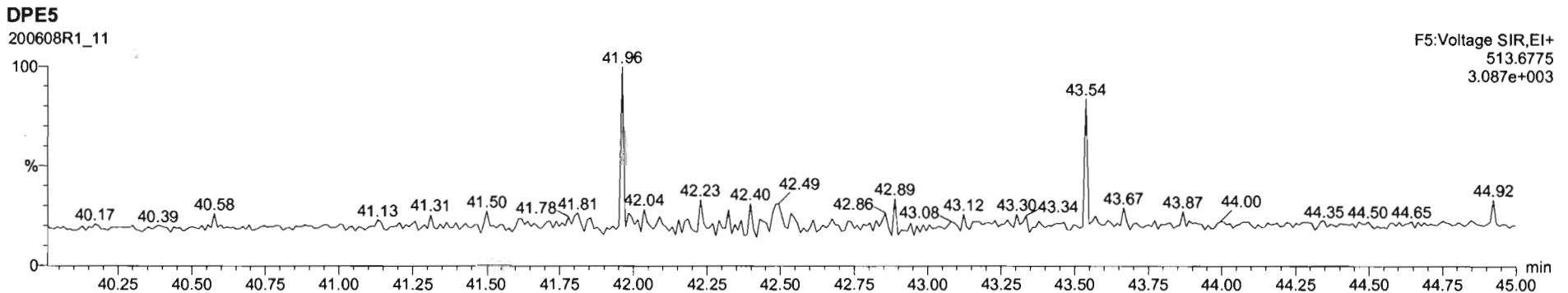
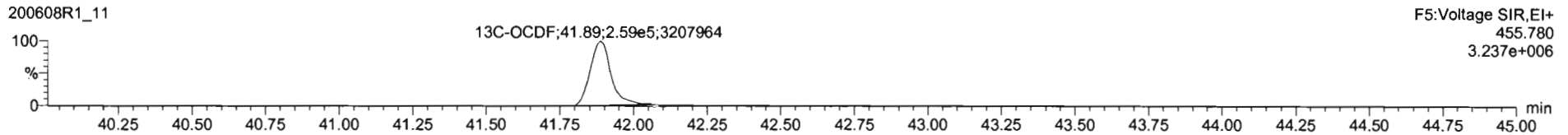
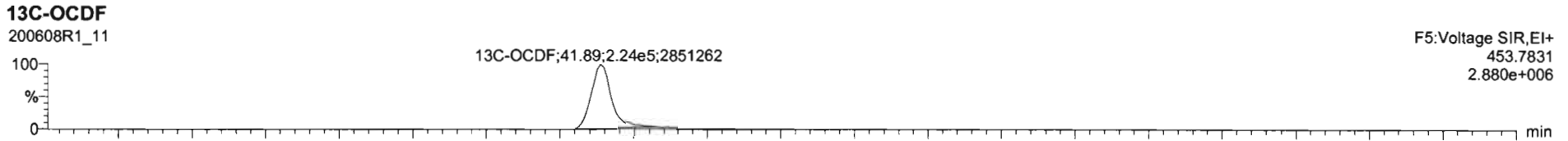
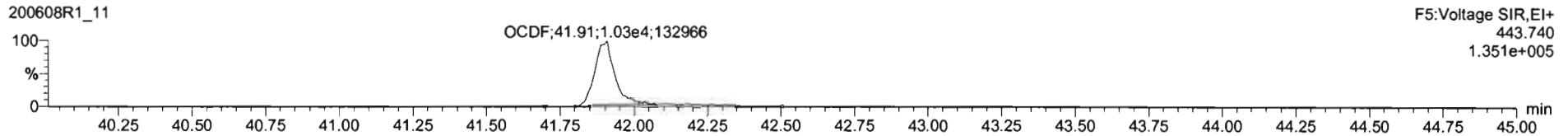
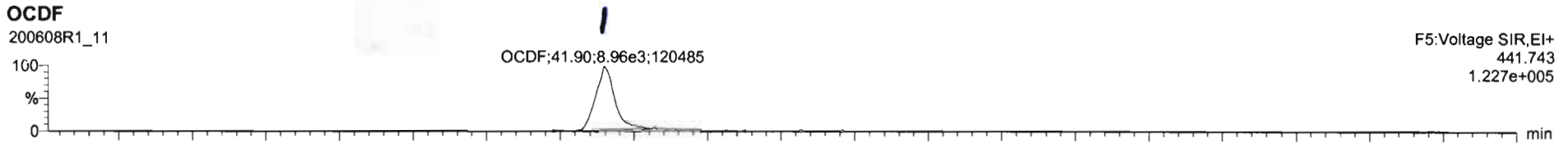


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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507



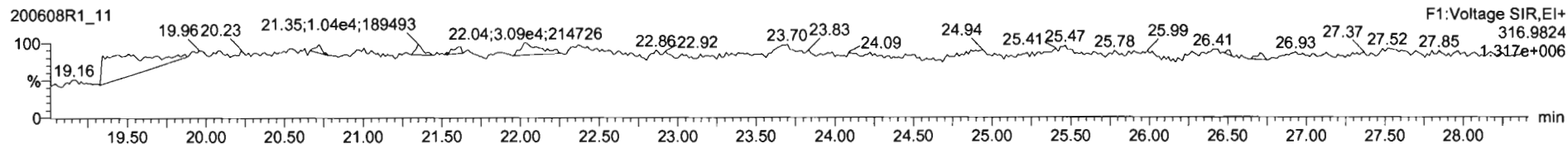
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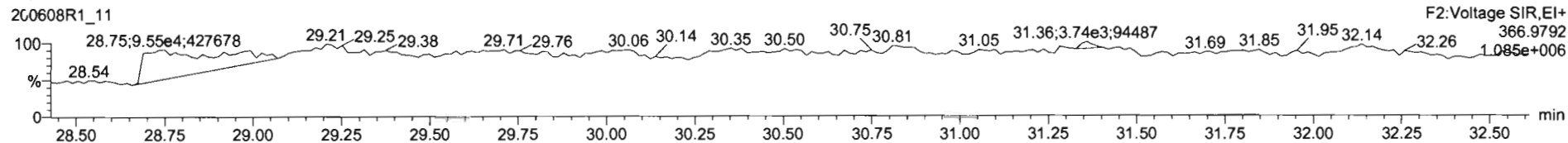
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_11, Date: 08-Jun-2020, Time: 19:26:57, ID: 2001037-07 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

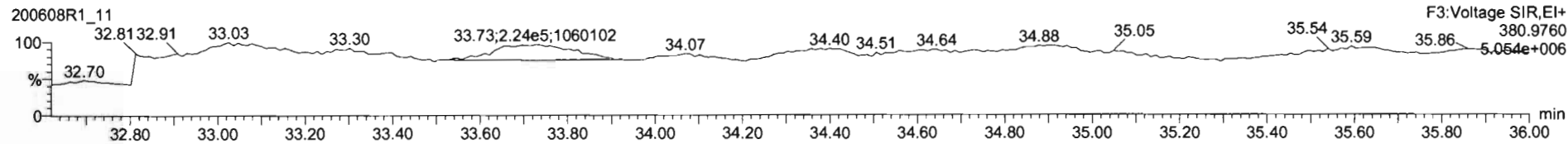
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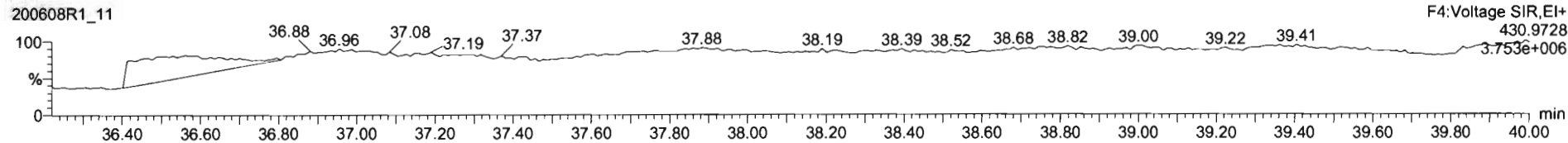
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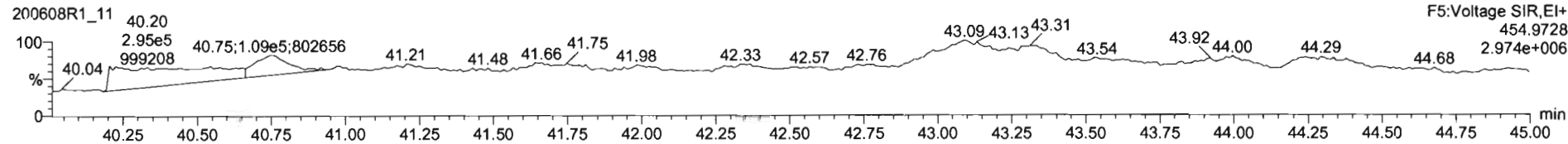
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-12.qld

Last Altered: Thursday, June 11, 2020 3:05:06 PM Pacific Daylight Time
Printed: Thursday, June 11, 2020 3:14:52 PM Pacific Daylight Time

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

Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	10.112	26.471		1.001				0.111	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.112	31.442		1.001				0.140	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.112	34.803		1.000				0.0976	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.112	34.889		1.000				0.0986	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.112	35.188		1.000				0.105	
6	6 1,2,3,4,6,7,8-HpCDD	1.51e3	1.10	NO	0.864	10.112	38.725	38.72	1.000	1.000	1.2204		0.266	1.22
7	7 OCDD	1.08e4	0.87	NO	0.914	10.112	41.695	41.71	1.000	1.000	10.591		0.255	10.6
8	8 2,3,7,8-TCDF			NO	0.751	10.112	25.567		1.001				0.0687	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.112	30.144		1.001				0.104	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.112	31.146		1.001				0.0883	
11	11 1,2,3,4,7,8-HxCDF	3.59e2	1.31	NO	0.884	10.112	33.920	33.93	1.000	1.000	0.16569		0.0286	0.166
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.112	34.047		1.000				0.0631	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.112	34.658		1.001				0.0666	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.112	35.539		1.000				0.108	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.112	37.333		1.001				0.0867	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.112	39.267		1.000				0.103	
17	17 OCDF	4.30e2	0.58	YES	0.806	10.112	41.887	41.92	1.000	1.001	0.40167		0.103	0.315
18	18 13C-2,3,7,8-TCDD	6.32e5	0.84	NO	1.16	10.112	26.461	26.44	1.026	1.026	170.31	86.1	0.251	
19	19 13C-1,2,3,7,8-PeCDD	5.04e5	0.64	NO	0.849	10.112	31.637	31.42	1.227	1.219	184.81	93.4	0.434	
20	20 13C-1,2,3,4,7,8-HxCDD	3.61e5	1.29	NO	0.779	10.112	34.798	34.79	1.014	1.014	165.85	83.9	0.693	
21	21 13C-1,2,3,6,7,8-HxCDD	4.45e5	1.28	NO	1.02	10.112	34.911	34.89	1.017	1.017	156.55	79.2	0.531	
22	22 13C-1,2,3,7,8,9-HxCDD	4.12e5	1.26	NO	0.903	10.112	35.182	35.18	1.025	1.025	163.32	82.6	0.598	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.84e5	1.05	NO	0.689	10.112	38.703	38.71	1.128	1.128	147.31	74.5	0.482	
24	24 13C-OCDD	4.44e5	0.89	NO	0.652	10.112	41.722	41.69	1.216	1.215	243.20	61.5	0.604	
25	25 13C-2,3,7,8-TCDF	8.29e5	0.77	NO	1.06	10.112	25.504	25.54	0.989	0.991	154.64	78.2	0.422	
26	26 13C-1,2,3,7,8-PeCDF	7.90e5	1.62	NO	0.838	10.112	30.023	30.12	1.165	1.168	186.04	94.1	0.640	
27	27 13C-2,3,4,7,8-PeCDF	7.76e5	1.61	NO	0.817	10.112	30.975	31.11	1.202	1.207	187.72	94.9	0.657	
28	28 13C-1,2,3,4,7,8-HxCDF	4.85e5	0.50	NO	1.01	10.112	33.930	33.92	0.989	0.989	172.18	87.1	0.768	
29	29 13C-1,2,3,6,7,8-HxCDF	5.96e5	0.51	NO	1.17	10.112	34.053	34.04	0.992	0.992	182.60	92.3	0.663	
30	30 13C-2,3,4,6,7,8-HxCDF	5.21e5	0.50	NO	1.02	10.112	34.626	34.62	1.009	1.009	182.24	92.1	0.758	

Dataset: U:\WG12.PRO\Results\200608R1\200608R1-12.qld

Last Altered: Thursday, June 11, 2020 3:05:06 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 3:14:52 PM Pacific Daylight Time

Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.16e5	0.51	NO	0.860	10.112	35.525	35.54	1.035	1.036	173.11	87.5	0.901	
32	13C-1,2,3,4,6,7,8-HpCDF	3.57e5	0.42	NO	0.774	10.112	37.272	37.30	1.086	1.087	164.95	83.4	0.549	
33	13C-1,2,3,4,7,8,9-HpCDF	2.39e5	0.43	NO	0.521	10.112	39.300	39.27	1.145	1.144	164.21	83.0	0.816	
34	13C-OCDF	5.26e5	0.85	NO	0.746	10.112	41.894	41.89	1.221	1.221	252.04	63.7	0.486	
35	37Cl-2,3,7,8-TCDD	2.57e5			1.04	10.112	26.492	26.45	1.028	1.026	77.369	97.8	0.0797	
36	13C-1,2,3,4-TCDD	6.35e5	0.79	NO	1.00	10.112	25.890	25.78	1.000	1.000	197.78	100	0.290	
37	13C-1,2,3,4-TCDF	1.00e6	0.79	NO	1.00	10.112	24.360	24.09	1.000	1.000	197.78	100	0.447	
38	13C-1,2,3,4,6,9-HxCDF	5.53e5	0.50	NO	1.00	10.112	34.420	34.31	1.000	1.000	197.78	100	0.774	
39	Total Tetra-Dioxins				0.888	10.112	24.620		0.000		0.52432		0.111	0.524
40	Total Penta-Dioxins				0.908	10.112	29.960		0.000		0.00000		0.0684	0.378
41	Total Hexa-Dioxins				0.892	10.112	33.635		0.000		1.0976		0.105	1.53
42	Total Hepta-Dioxins				0.864	10.112	37.640		0.000		3.6119		0.266	3.61
43	Total Tetra-Furans				0.751	10.112	23.610		0.000		0.20874		0.0687	0.209
44	1st Func. Penta-Furans				0.893	10.112	27.580		0.000				0.0120	
45	Total Penta-Furans				0.893	10.112	29.275		0.000				0.0404	
46	Total Hexa-Furans				0.934	10.112	33.555		0.000		0.16569		0.0298	0.166
47	Total Hepta-Furans				0.873	10.112	37.835		0.000				0.0505	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-12.qld

Last Altered: Thursday, June 11, 2020 3:05:06 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 3:14:52 PM Pacific Daylight Time

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

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

Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	24.25	8.125e3	1.035e4	6.487e2	8.398e2	0.77	NO	1.489e3	0.52432	0.52432	0.111

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.67	4.424e3	4.778e3	2.057e2	2.698e2	0.76	YES	0.000e0	0.00000	0.19023	0.140
2	Total Penta-Dioxins	30.67	2.628e3	4.140e3	1.679e2	3.210e2	0.52	YES	0.000e0	0.00000	0.18792	0.140

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.30	2.538e4	1.792e4	1.105e3	9.063e2	1.22	NO	2.012e3	1.0976	1.0976	0.105
2	Total Hexa-Dioxins	34.12	8.179e3	6.395e3	5.349e2	3.566e2	1.50	YES	0.000e0	0.00000	0.43581	0.105

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	1.792e4	2.019e4	1.484e3	1.482e3	1.00	NO	2.966e3	2.3915	2.3915	0.266
2	1,2,3,4,6,7,8-HpCDD	38.72	1.249e4	1.253e4	7.919e2	7.215e2	1.10	NO	1.513e3	1.2204	1.2204	0.266

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.41	4.773e3	4.555e3	2.929e2	3.645e2	0.80	NO	6.574e2	0.20874	0.20874	0.0687

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-12.qld

Last Altered: Thursday, June 11, 2020 3:05:06 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 3:14:52 PM Pacific Daylight Time

Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

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	33.93	3.949e3	2.470e3	2.038e2	1.557e2	1.31	NO	3.595e2	0.16569	0.16569	0.0286

Hepta-Furans

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

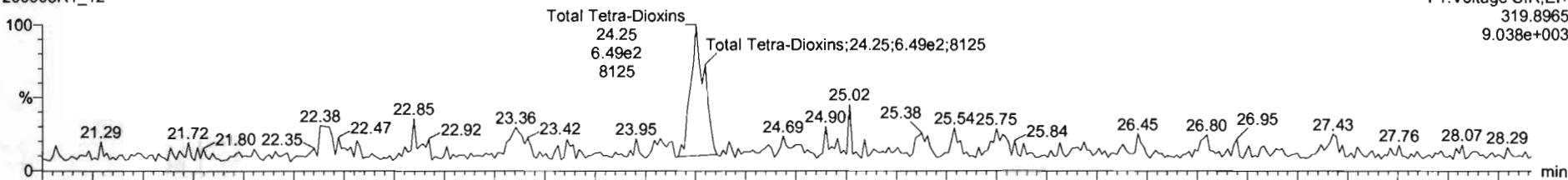
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

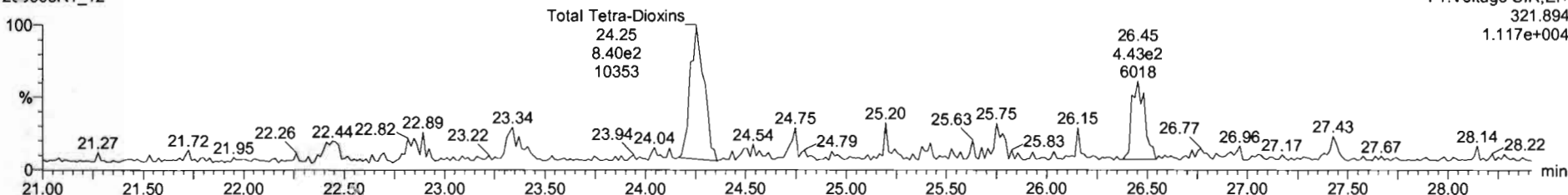
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2,3,7,8-TCDD

200608R1_12

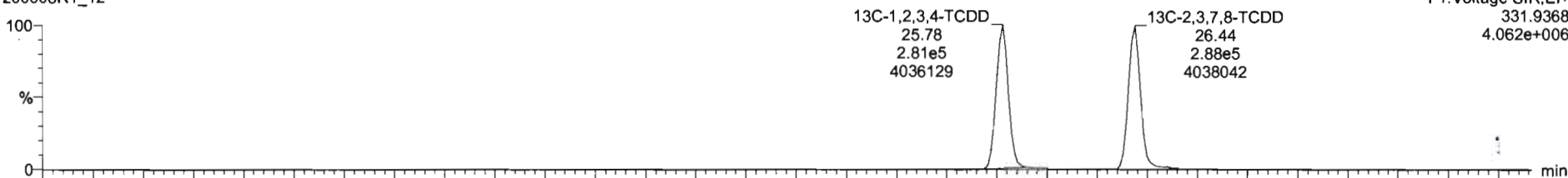


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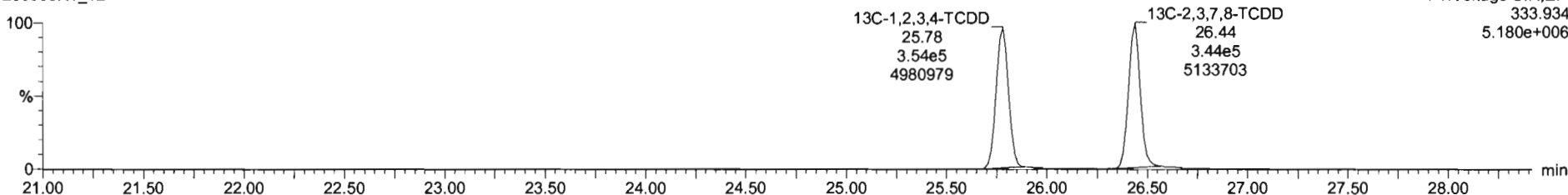


13C-2,3,7,8-TCDD

200608R1_12



200608R1_12



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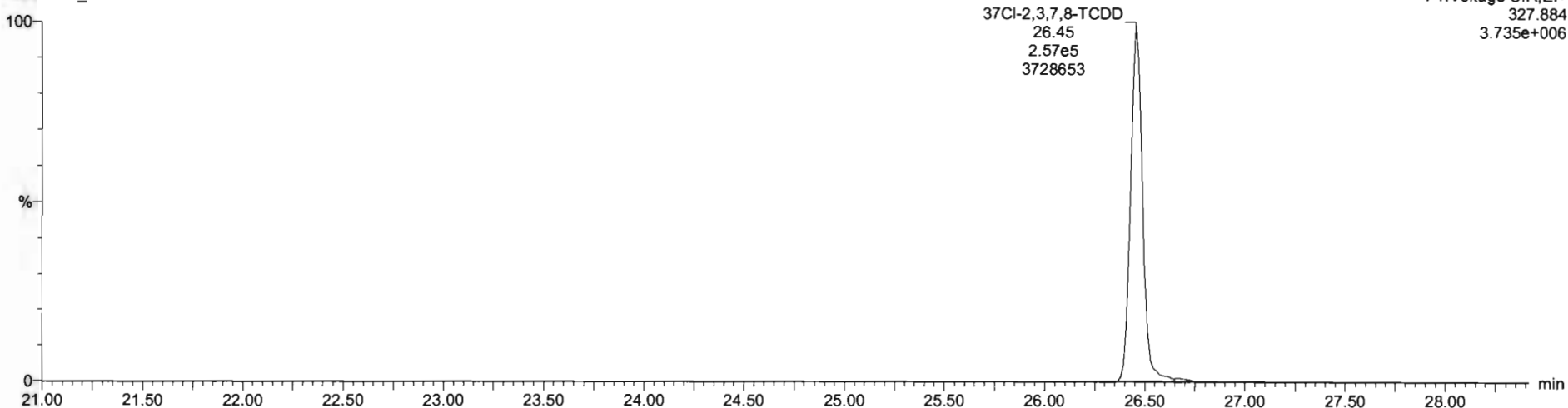
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Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

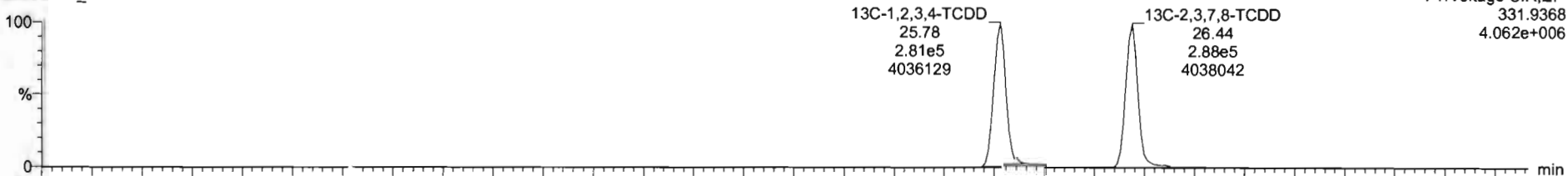
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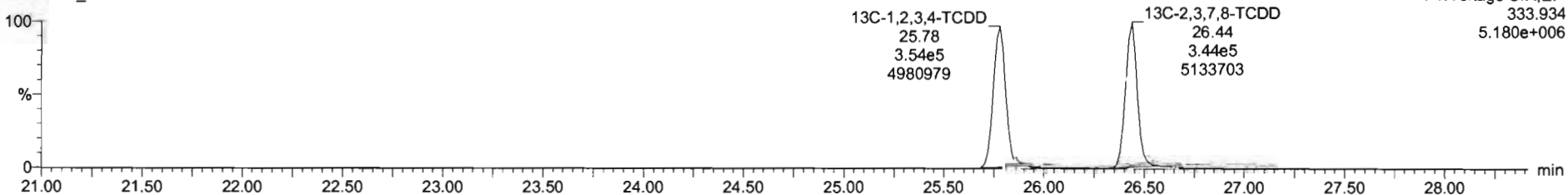


13C-1,2,3,4-TCDD

200608R1_12



200608R1_12



Dataset: Untitled

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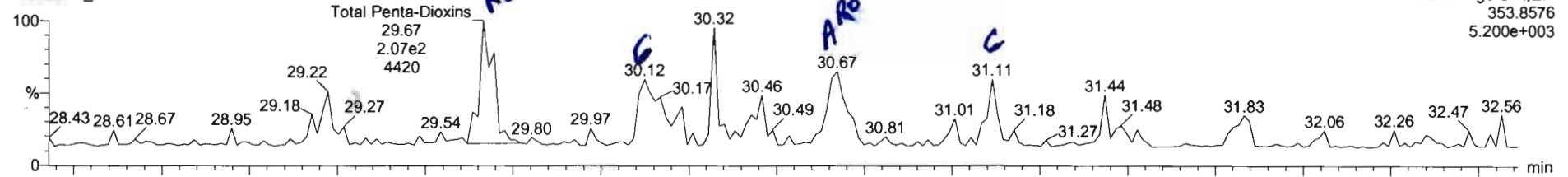
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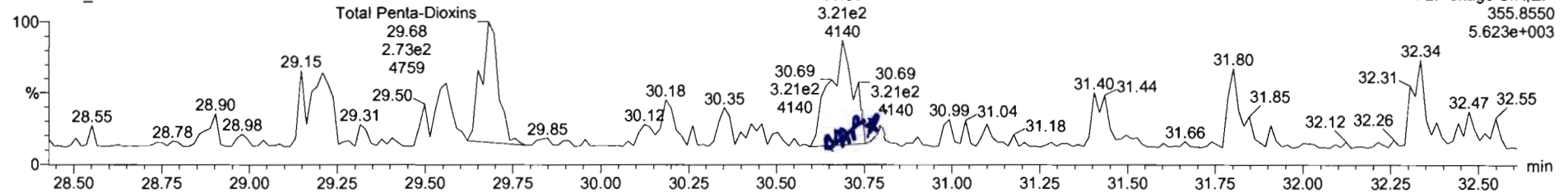
Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

1,2,3,7,8-PeCDD

200608R1_12

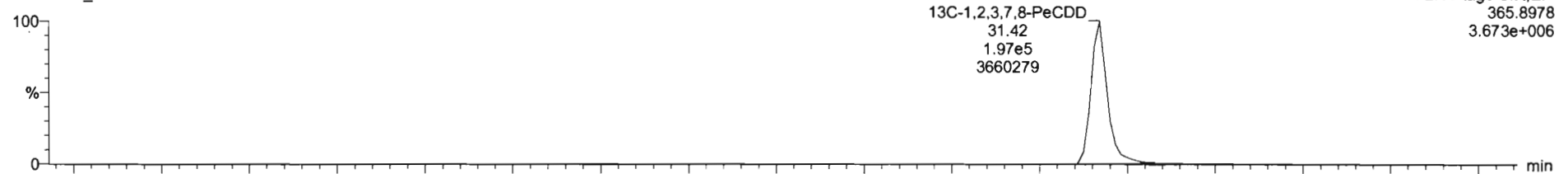


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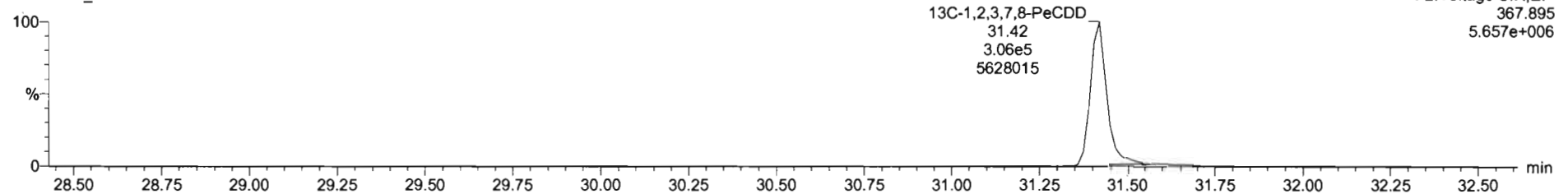


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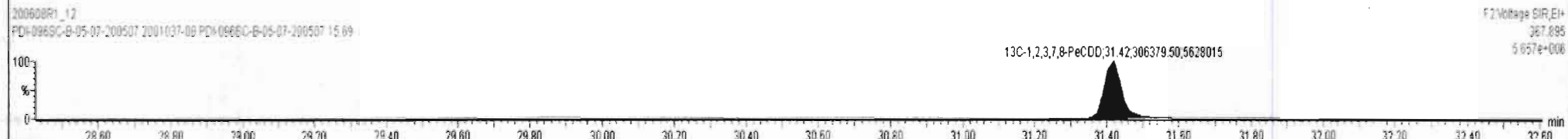
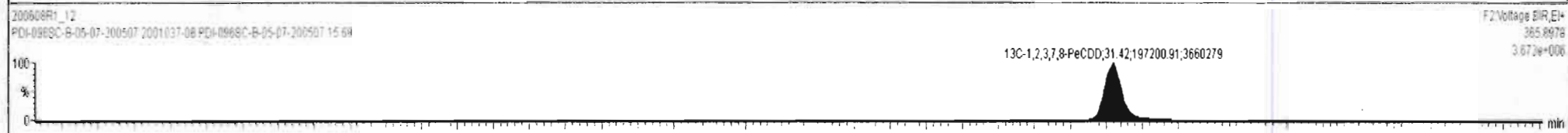
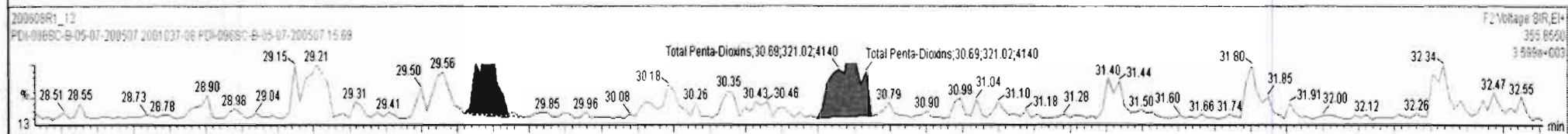
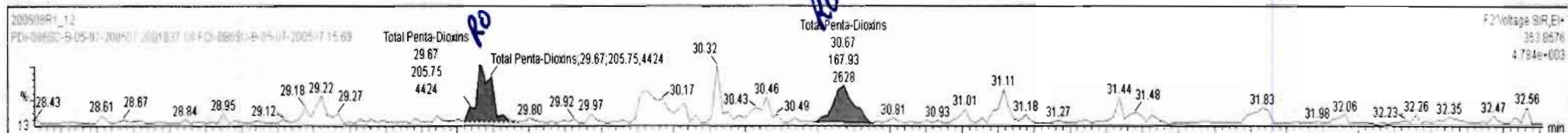


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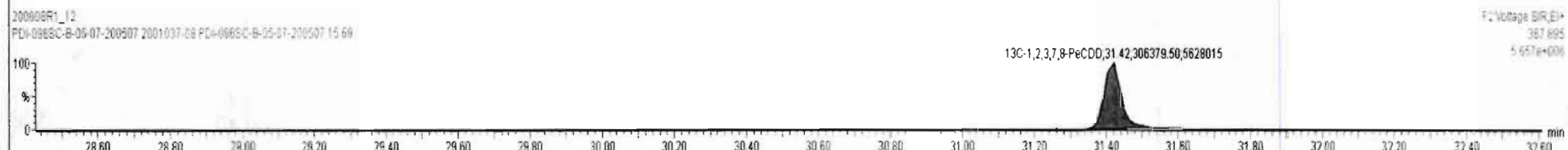
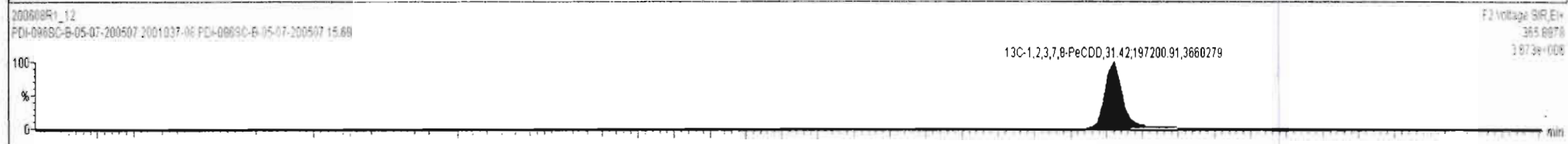
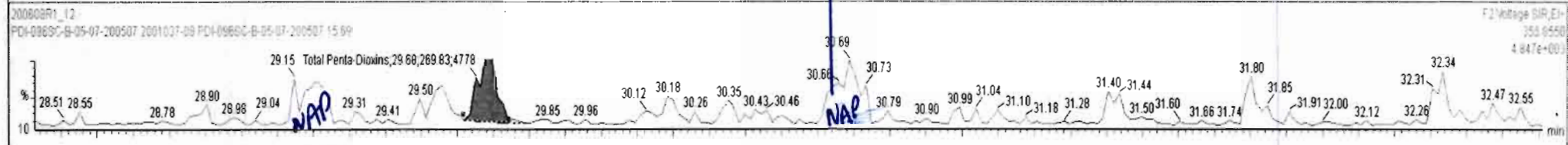
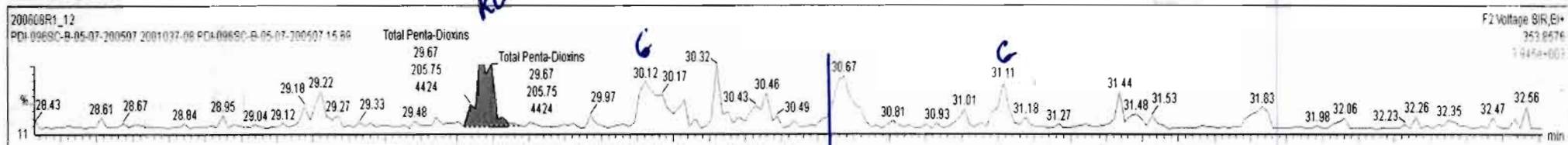
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8683	10.112			0.524		0.111	0.524
40 Total Penta-Dioxins				0.9081	10.112			0.000		0.0684	0.378
41 Total Hexa-Dioxins				0.8923	10.112			1.10		0.105	1.53
42 Total Hepta-Dioxins				0.8639	10.112			3.61		0.266	3.61
43 Total Tetra-Furans				0.7510	10.112			0.209		0.0687	0.209

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.67	2.057e2	2.698e2	0.76	YES	0.19023	0.00000
2 Total Penta-Dioxins	30.67	1.679e2	3.210e2	0.52	YES	0.18792	0.00000



Name	Resp	RA	n/y	RRF	wt/Avl	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.112			0.000		0.0684	0.190
41 Total Hexa-Dioxins				0.8923	10.112			1.06		0.105	1.45
42 Total Hepta-Dioxins				0.8639	10.112			3.44		0.267	3.44

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.67	2.057e2	2.698e2	0.76	YES	0.19023	0.00000



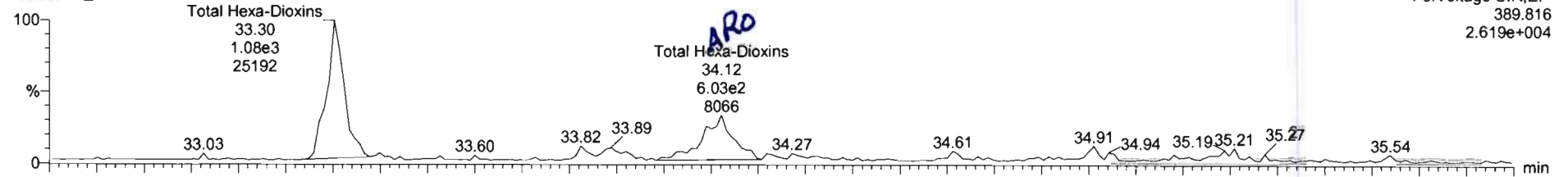
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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

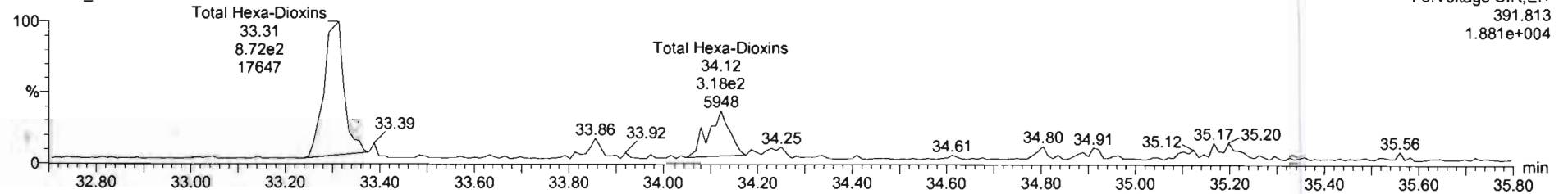
Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

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

200608R1_12

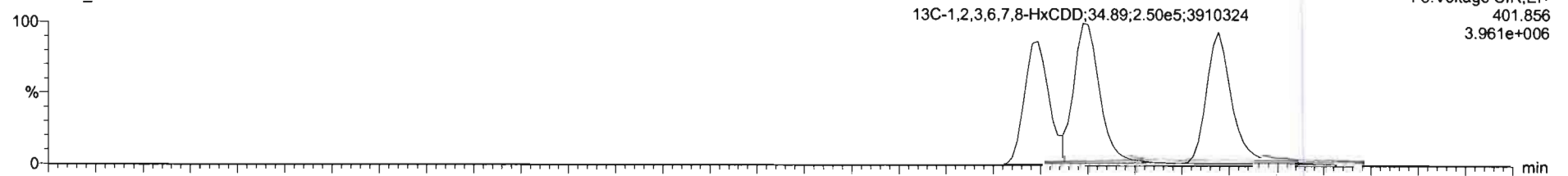


200608R1_12

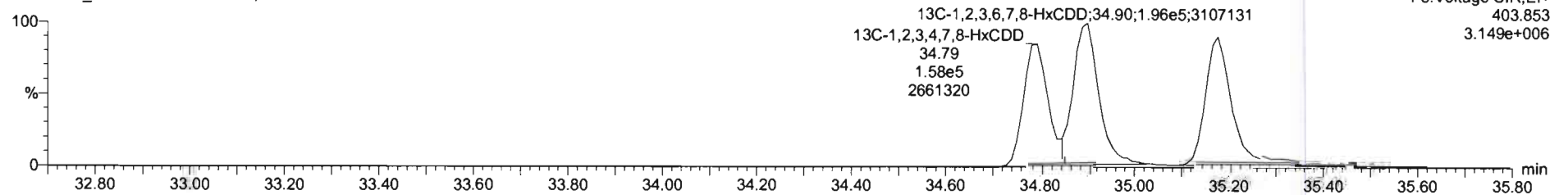


13C-1,2,3,4,7,8-HxCDD

200608R1_12

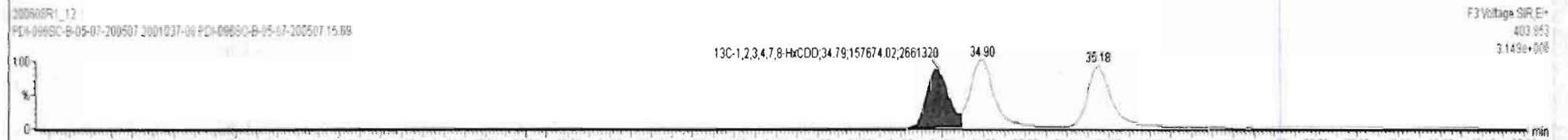
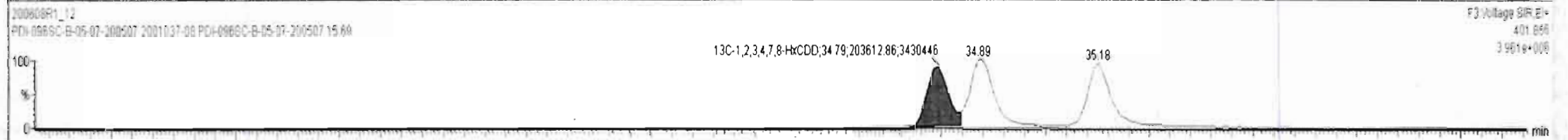
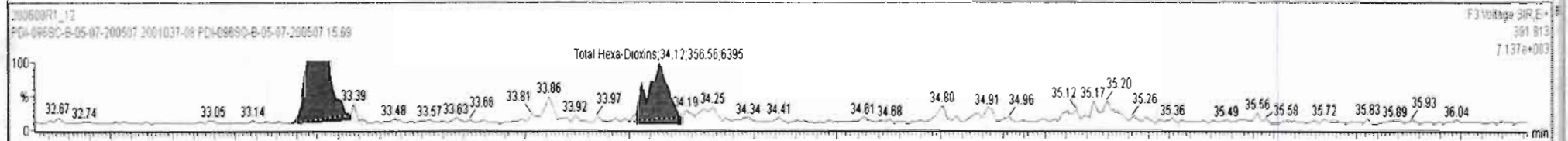
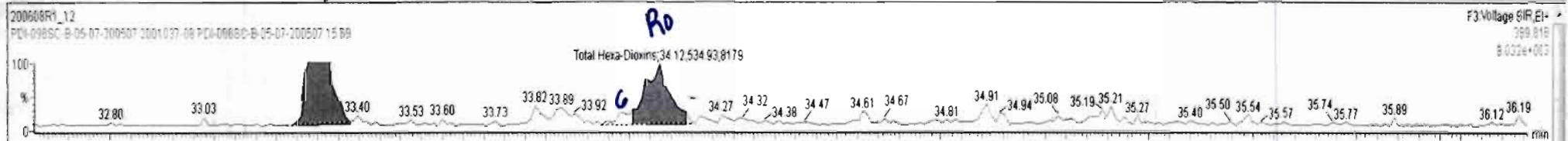


200608R1_12



Name	Resp	RA	nly	RRF	wAval	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.112			0.000		0.0684	0.378
41 Total Hexa-Dioxins				0.8923	10.112			1.10		0.105	1.53
42 Total Hepta-Dioxins				0.8639	10.112			3.44		0.267	3.44

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Hexa-Dioxins	33.30	1.105e3	9.063e2	1.22	NO	1.0976	1.0976
2 Total Hexa-Dioxins	34.12	5.349e2	3.586e2	1.50	YES	0.43581	0.00000



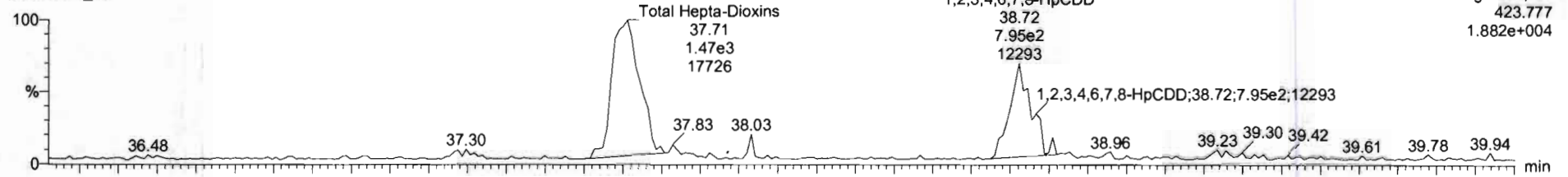
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

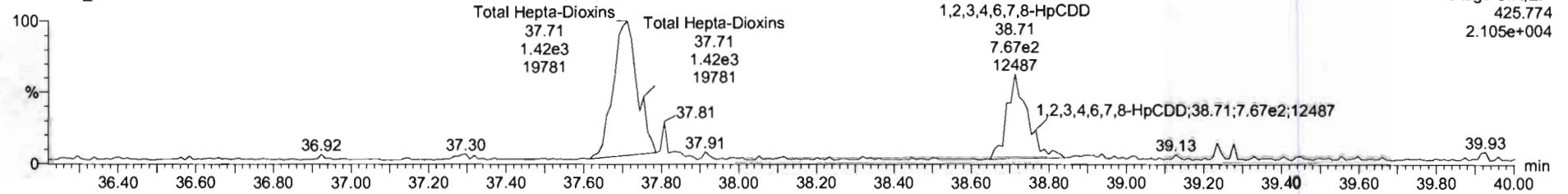
1,2,3,4,6,7,8-HpCDD

200608R1_12



F4:Voltage SIR,EI+
423.777
1.882e+004

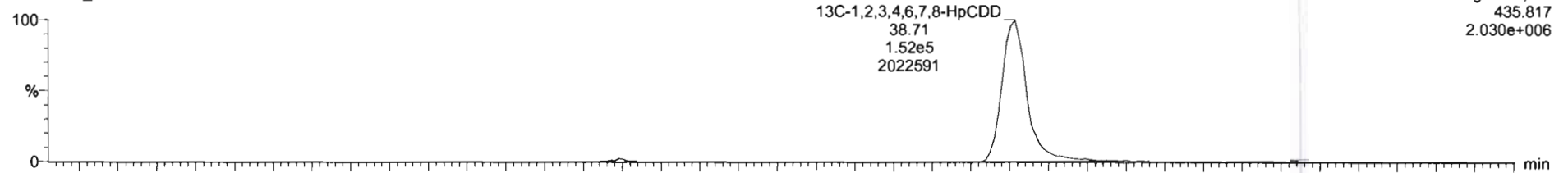
200608R1_12



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425.774
2.105e+004

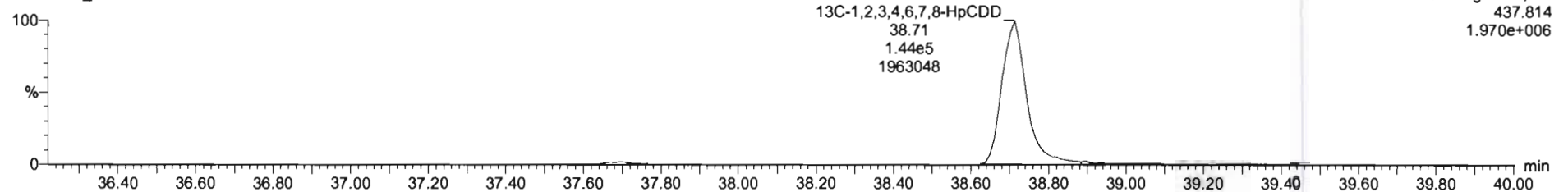
13C-1,2,3,4,6,7,8-HpCDD

200608R1_12



F4:Voltage SIR,EI+
435.817
2.030e+006

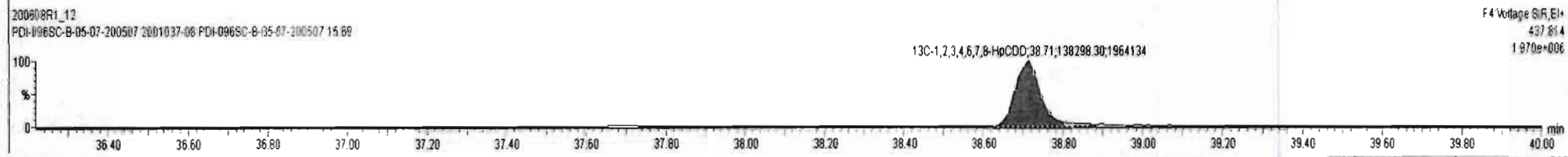
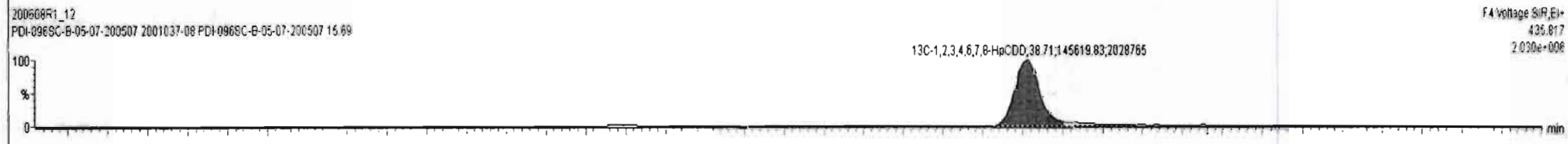
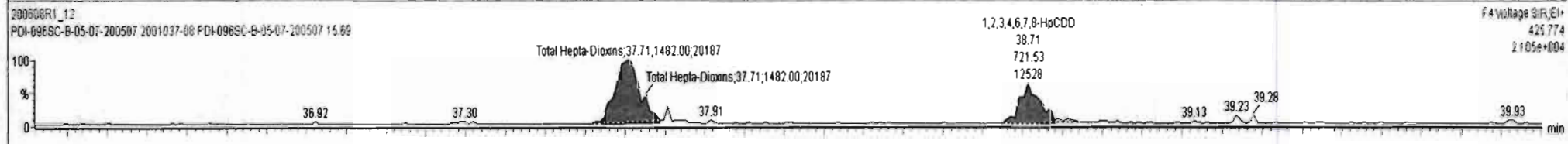
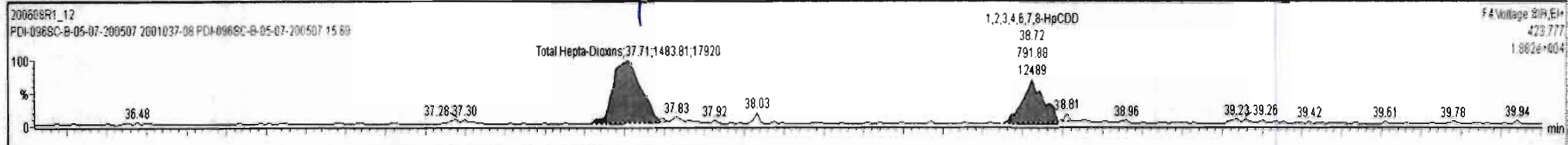
200608R1_12



F4:Voltage SIR,EI+
437.814
1.970e+006

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.112			0.000		0.0684	0.378
41 Total Hexa-Dioxins				0.8923	10.112			1.10		0.105	1.53
42 Total Hepta-Dioxins				0.8639	10.112			3.61		0.266	3.61

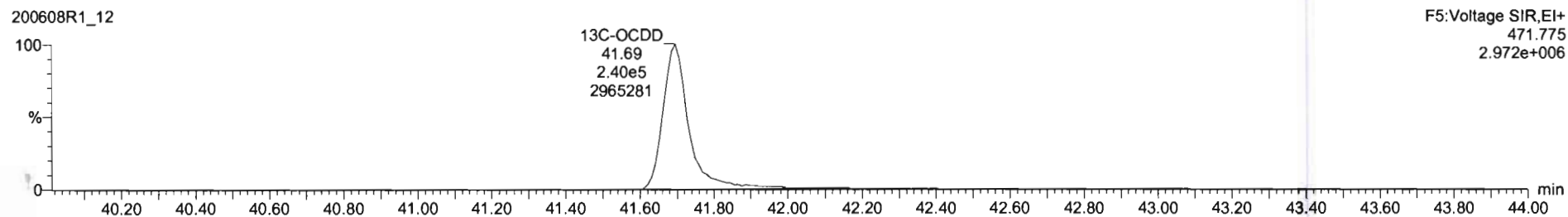
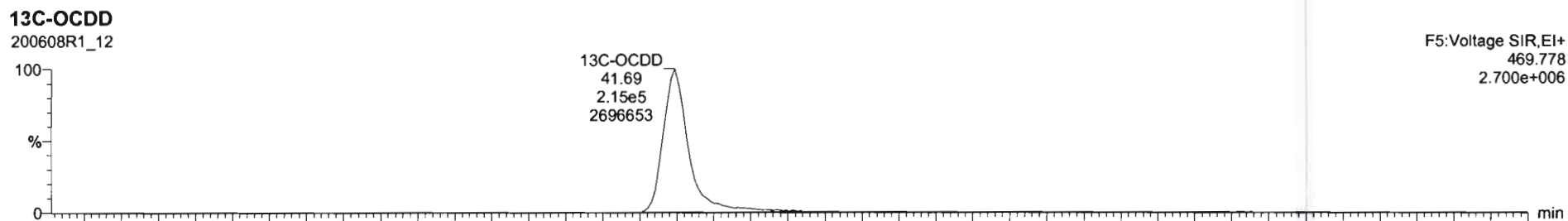
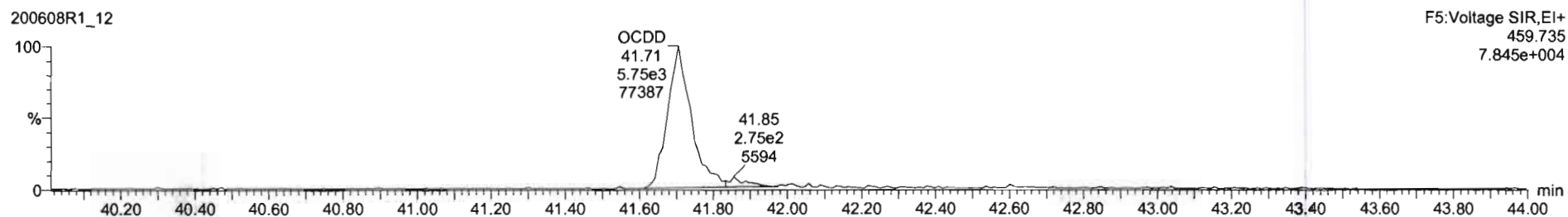
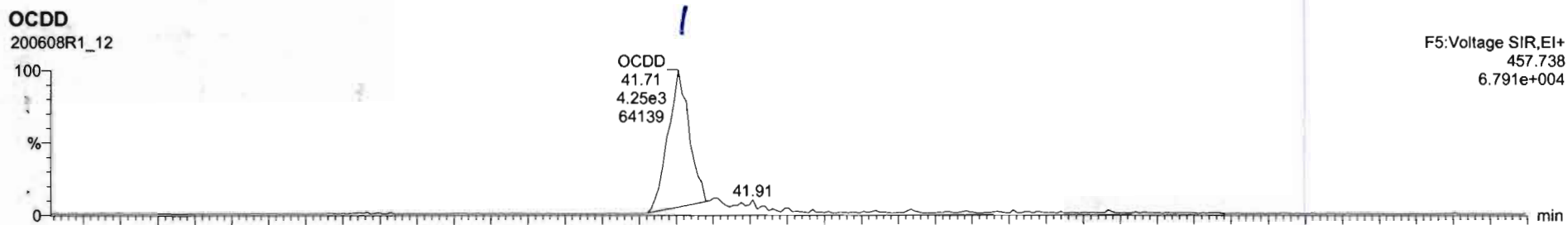
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	1.484e3	1.462e3	1.00	NO	2.3915	2.3915
2 1,2,3,4,6,7,8-HpCDD	38.72	7.919e2	7.215e2	1.10	NO	1.2204	1.2204



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
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Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

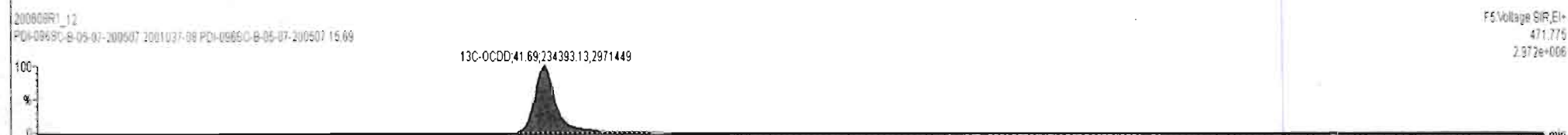
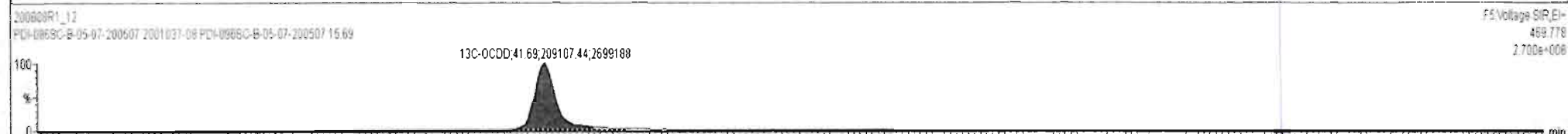




200608R1_12-2001037-08 PDI-096SC-B-05-07-200507 15.69 - PDI-096SC-B-05-07-200507

Name	Resp	RA	n/y	RF	w/Adj	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	1.09e4	0.87	NO	0.9136	10.112	41.71	1.000	10.6		0.255	10.6
8 2,3,7,8-TCDF			NO	0.7510	10.112					0.0687	
9 1,2,3,7,8-PeCDF			NO	0.8825	10.112					0.104	

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



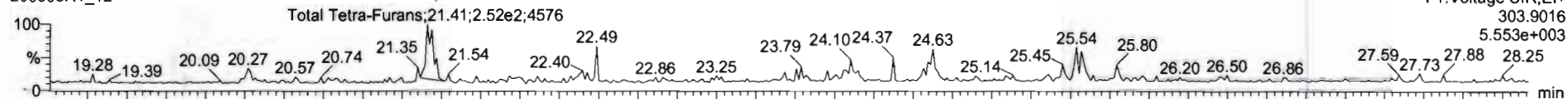
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

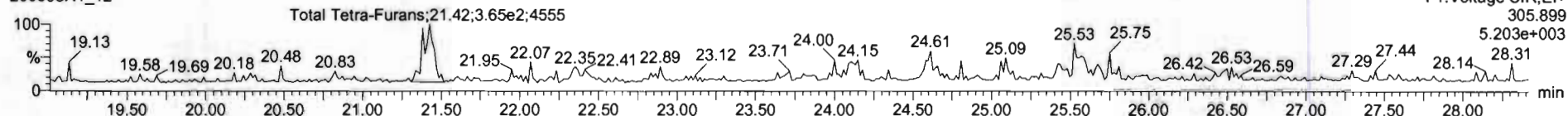
Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

2,3,7,8-TCDF

200608R1_12

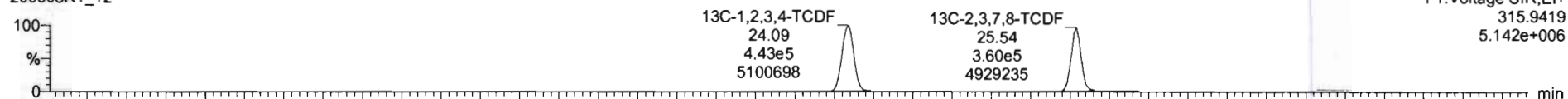


200608R1_12

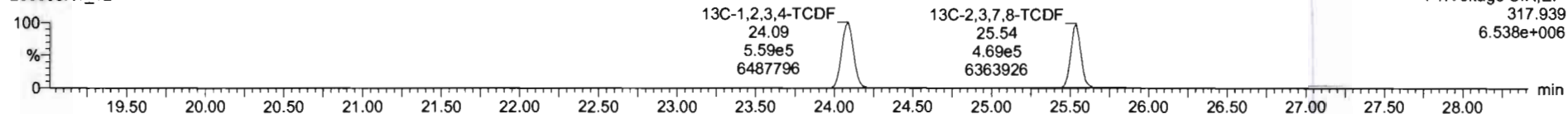


13C-2,3,7,8-TCDF

200608R1_12

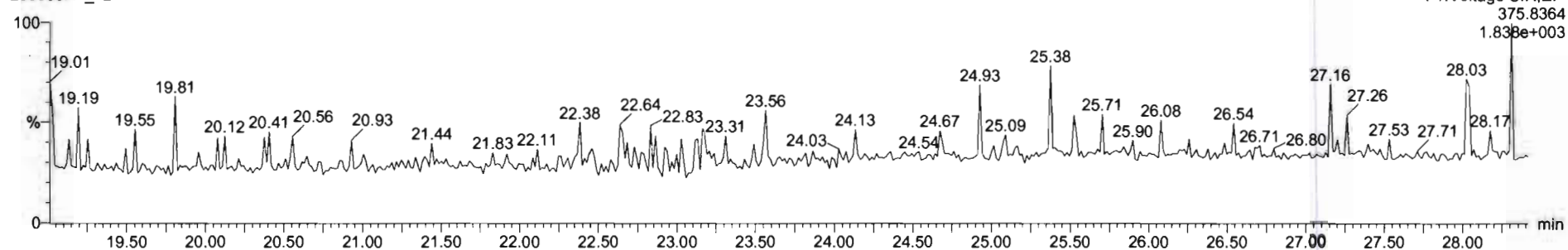


200608R1_12



DPE1

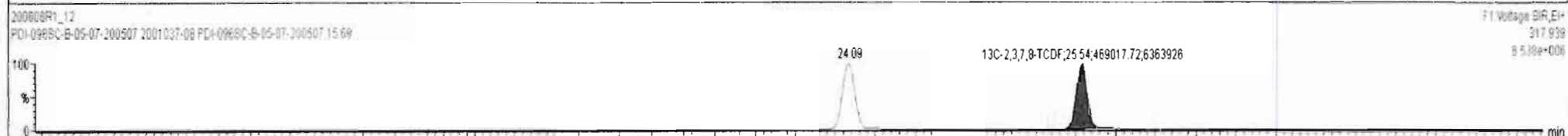
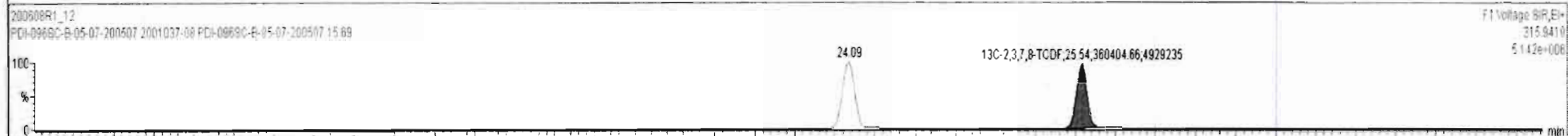
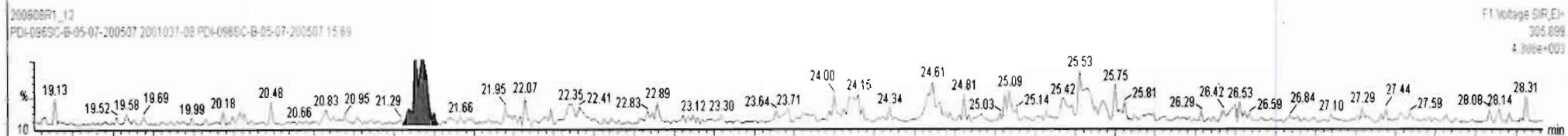
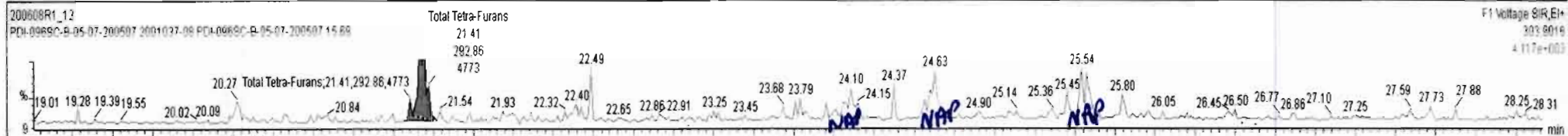
200608R1_12



200608R1_12 - 2001037-08 PDI-096SC-E-05-07-200507 15:59 - PDI-096SC-E-05-07-200507

Name	Resp	RA	n/y	RF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.112			0.208		0.0687	0.208
44 1st Func. Penta-Furans				0.8925	10.112					0.0120	
45 Total Penta-Furans				0.8925	10.112					0.0404	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	21.41	2.928e2	3.645e2	0.80	NO	0.20874	0.20874



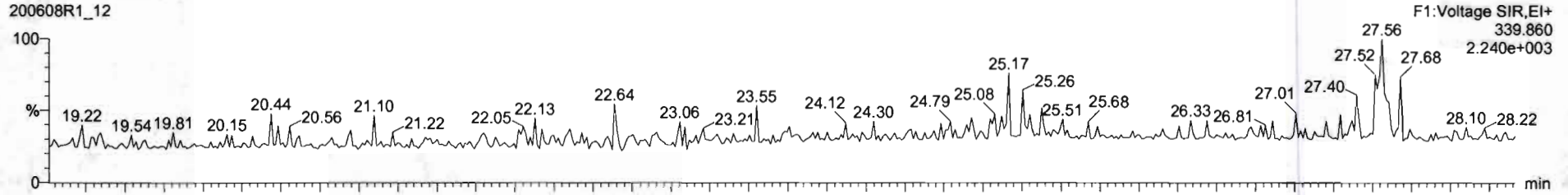
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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

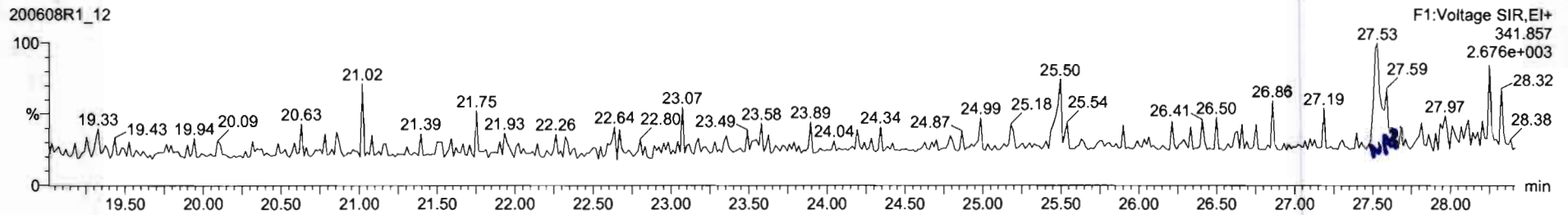
Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

1st Func. Penta-Furans

200608R1_12

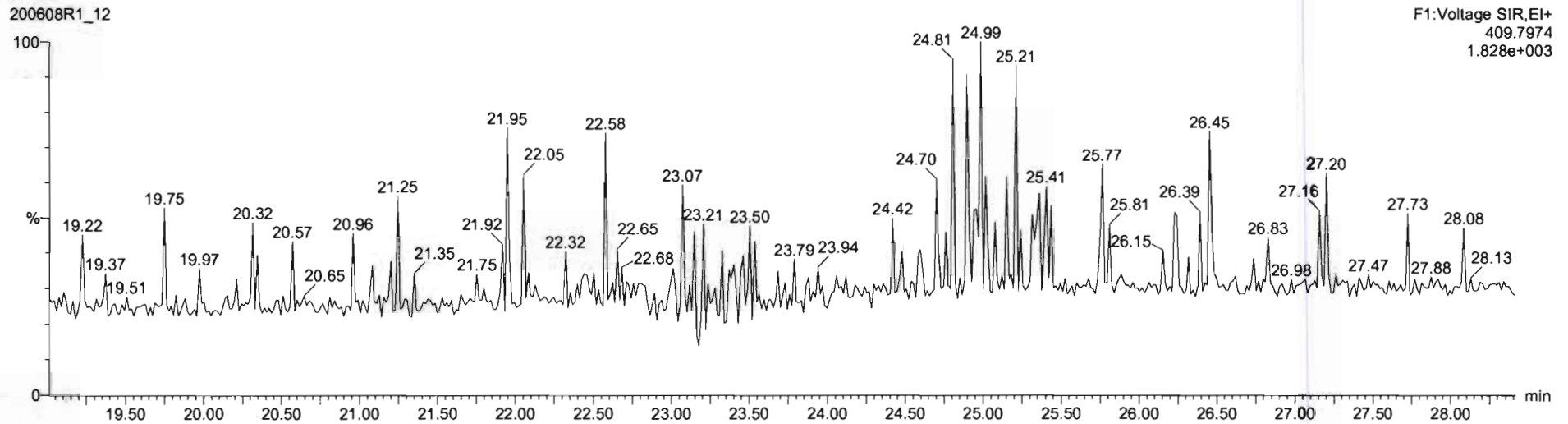


200608R1_12



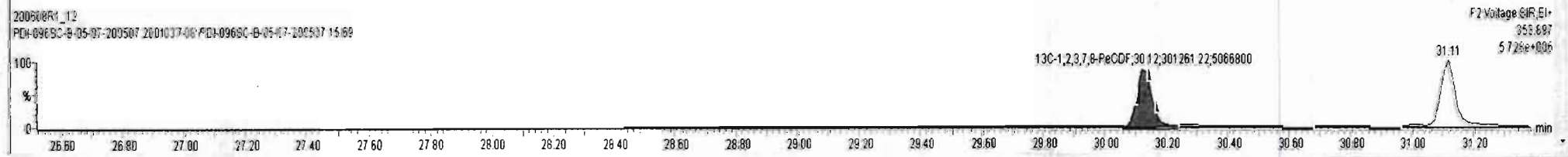
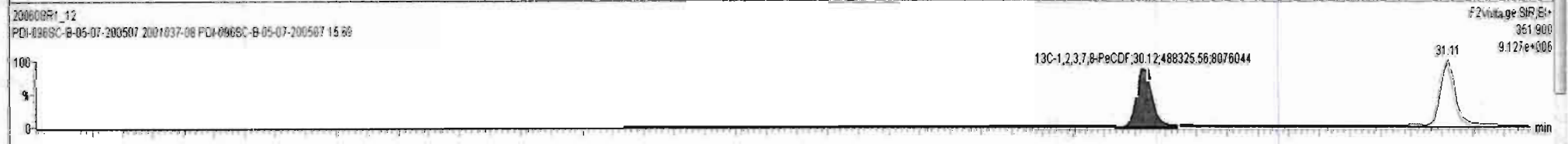
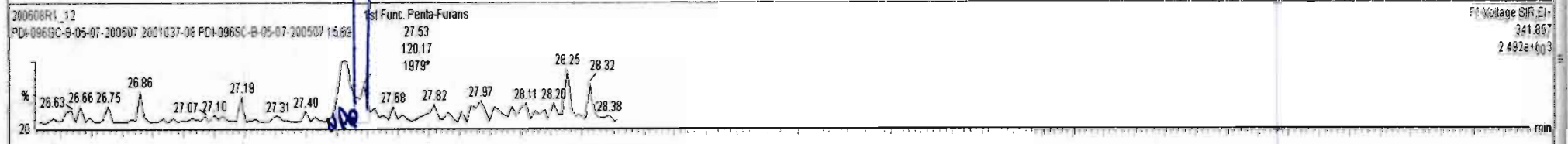
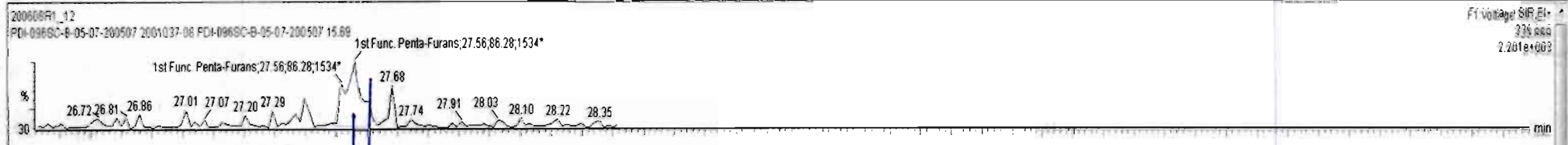
DPE6

200608R1_12



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.112			0.209		0.0687	0.209
44 1st Func. Penta-Furans				0.8925	10.112			0.000		0.0120	0.0402
45 Total Penta-Furans				0.8925	10.112					0.0404	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1st Func. Penta-Furans	27.56	8.628e1	1.202e2	0.72	YES	0.040171	0.00000

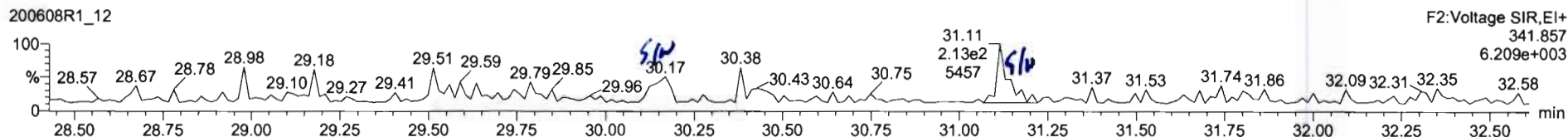
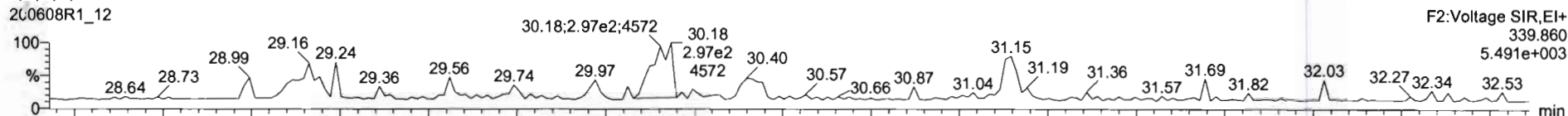


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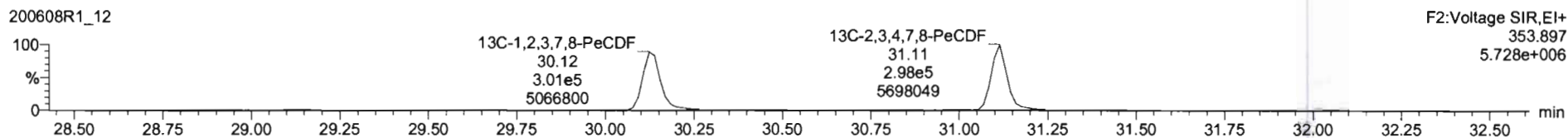
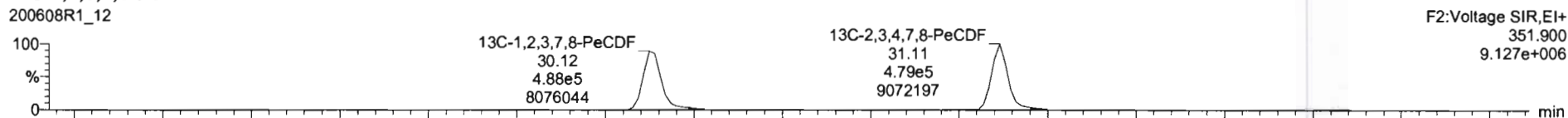
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Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

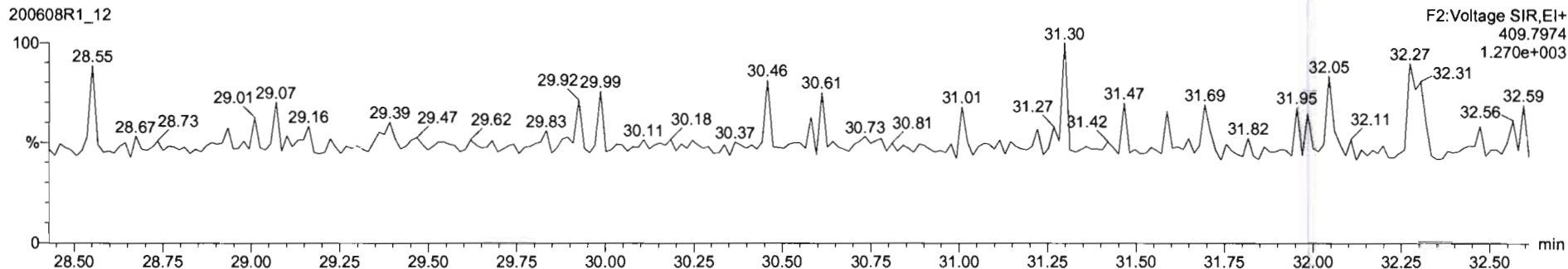
1,2,3,7,8-PeCDF



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

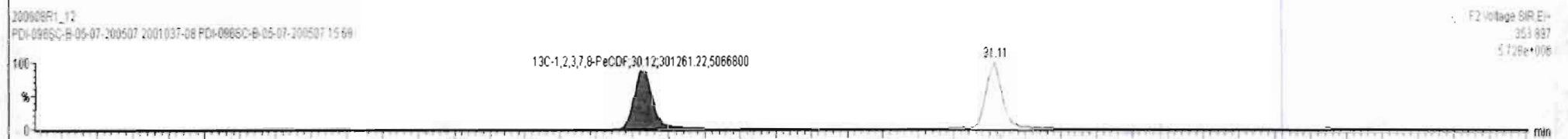
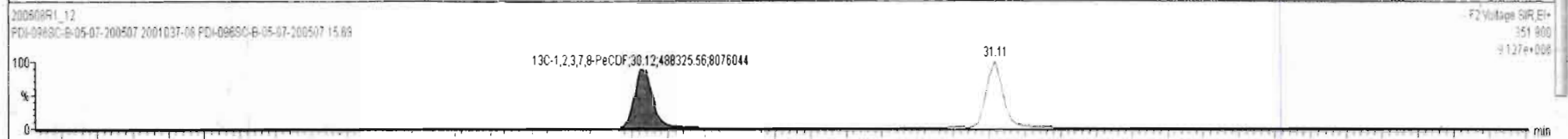
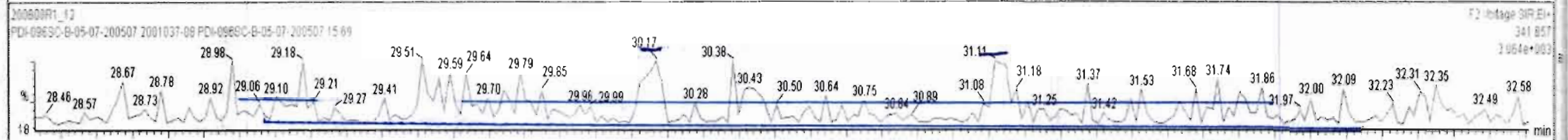
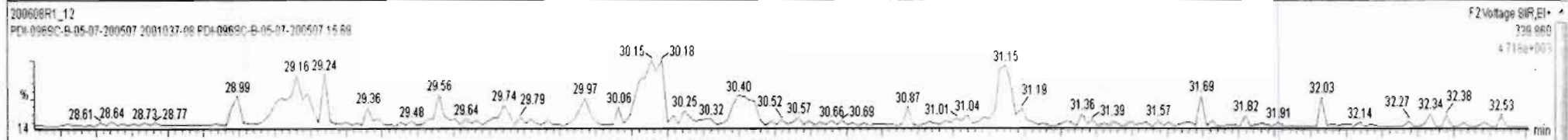


DPE2



Name	Resp	RA	nly	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.112			0.209		0.0687	0.209
44 1st Func. Penta-Furans				0.8925	10.112					0.0120	
45 Total Penta-Furans				0.8925	10.112					0.0404	

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

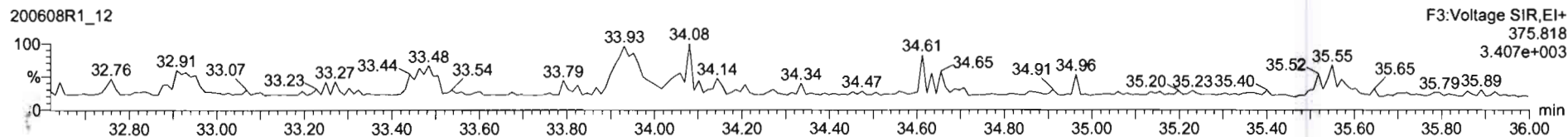
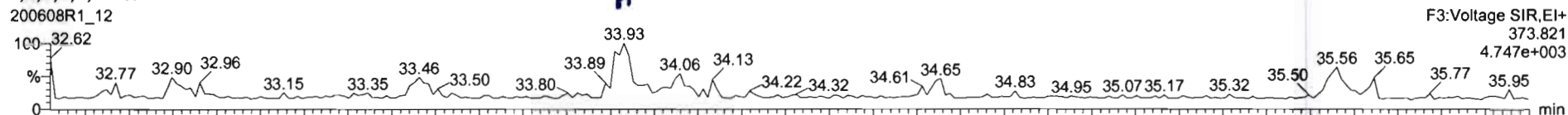


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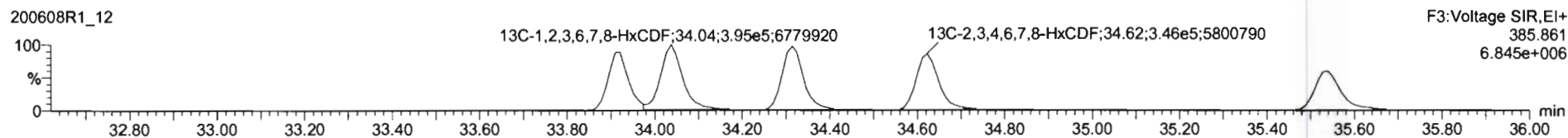
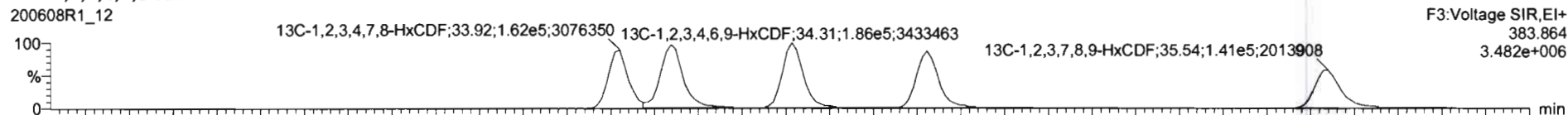
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Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507

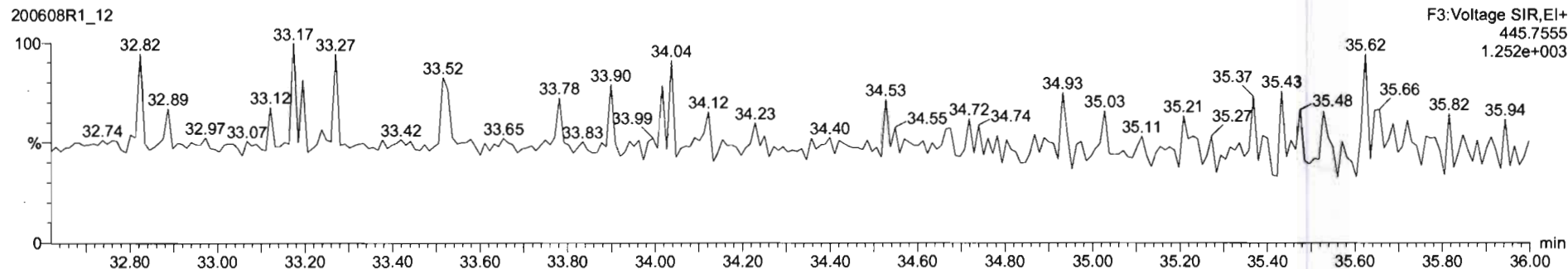
1,2,3,4,7,8-HxCDF



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



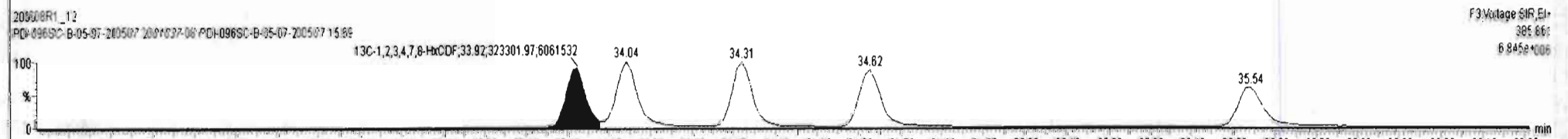
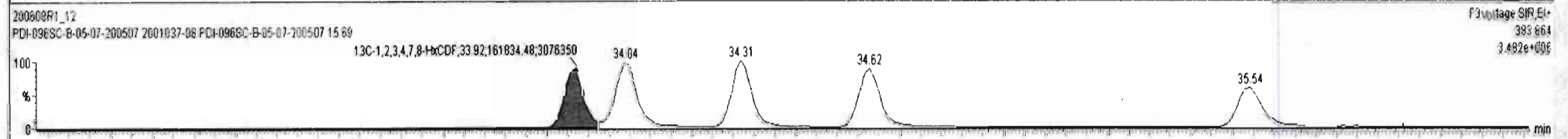
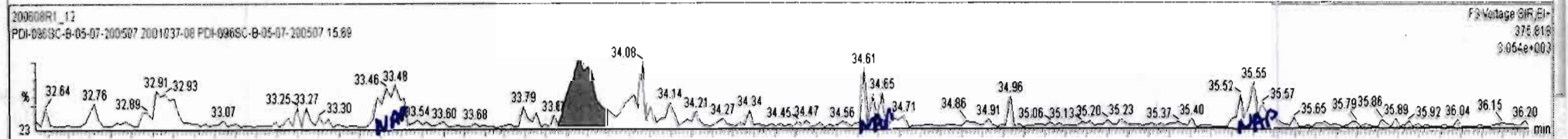
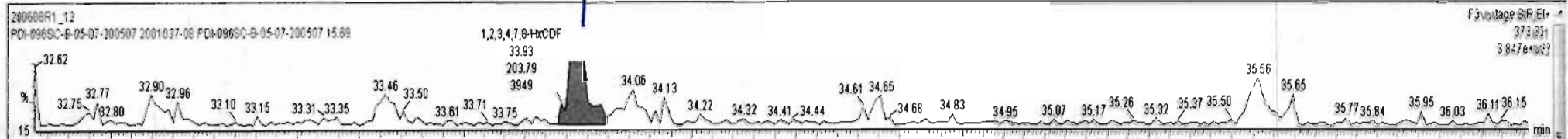
DPE3



200608R1_12 - 2001037-08 PDI-096SC-B-05-07-200507 15.69 - PDI-096SC-B-05-07-200507

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.112			0.166		0.0298	0.166
47 Total Hepta-Furans				0.8734	10.112					0.0505	
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,7,8-HxCDF	33.93	2.038e2	1.557e2	1.31	NO	0.16569	0.16569



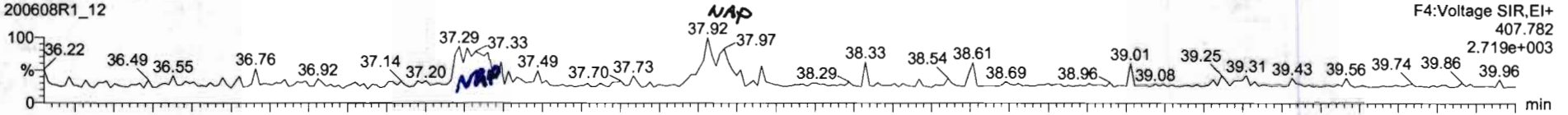
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

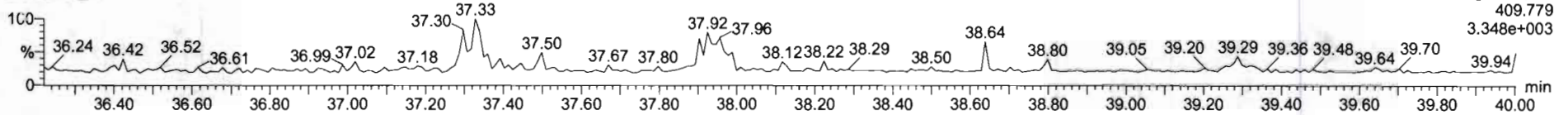
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1,2,3,4,6,7,8-HpCDF

200608R1_12

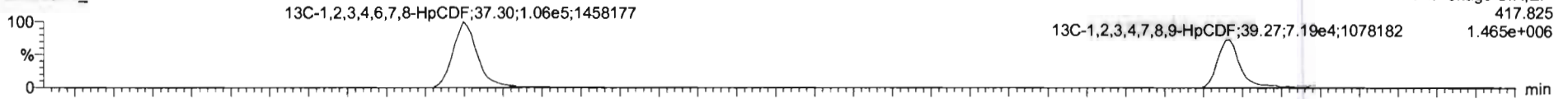


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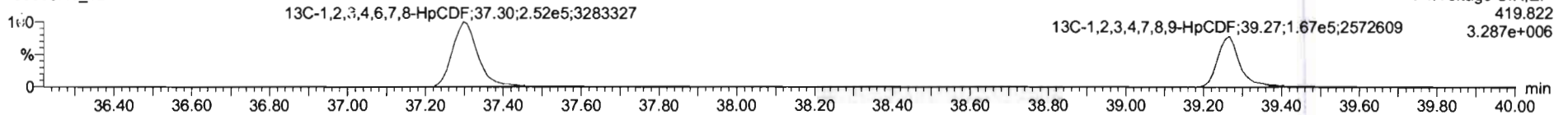


13C-1,2,3,4,6,7,8-HpCDF

200608R1_12

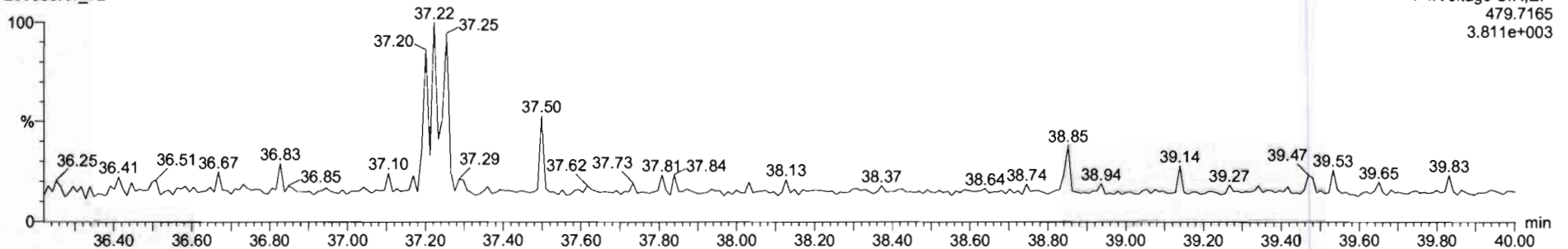


200608R1_12



DPE4

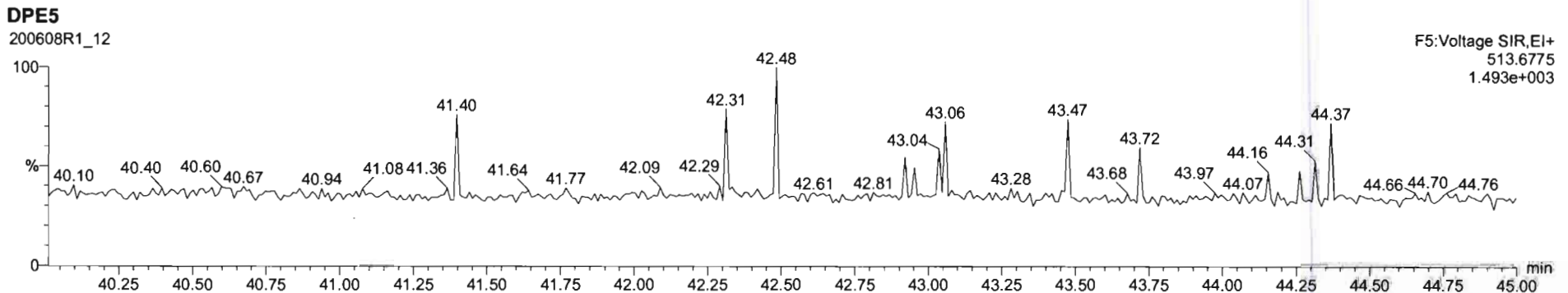
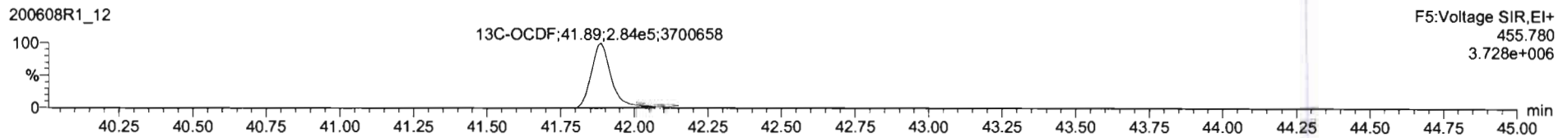
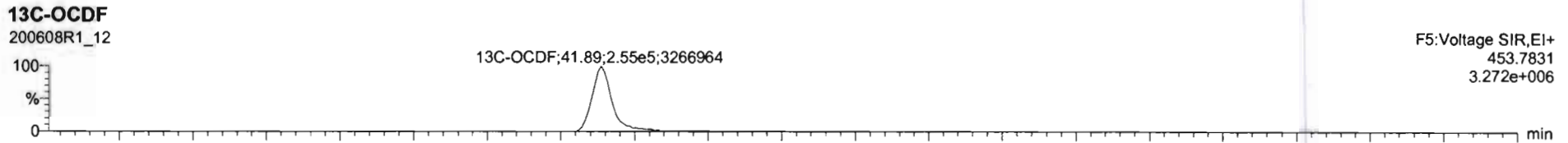
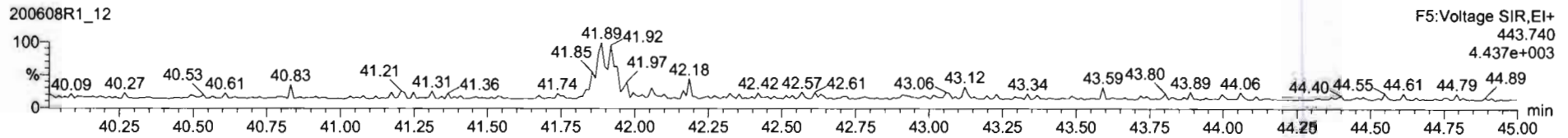
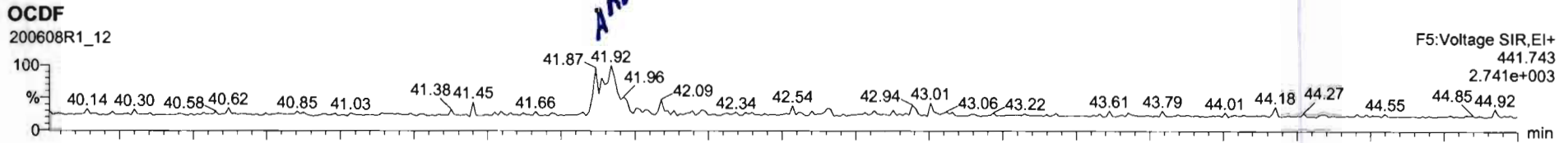
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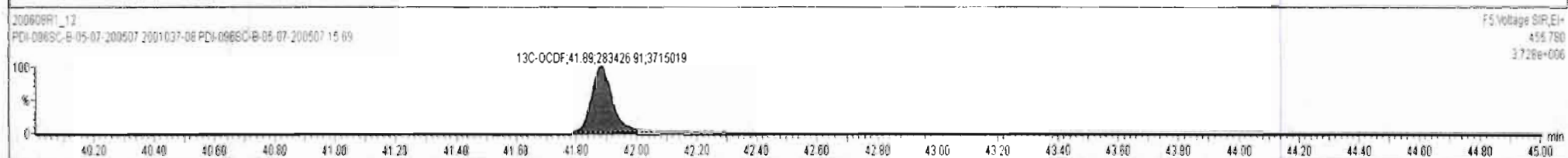
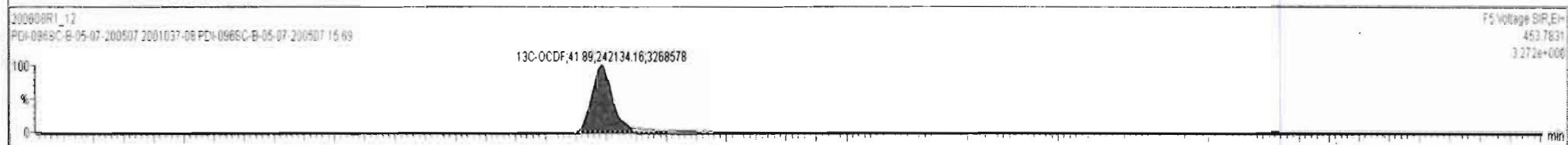
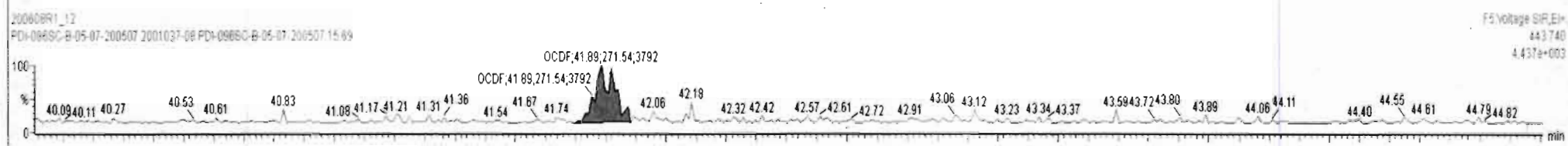
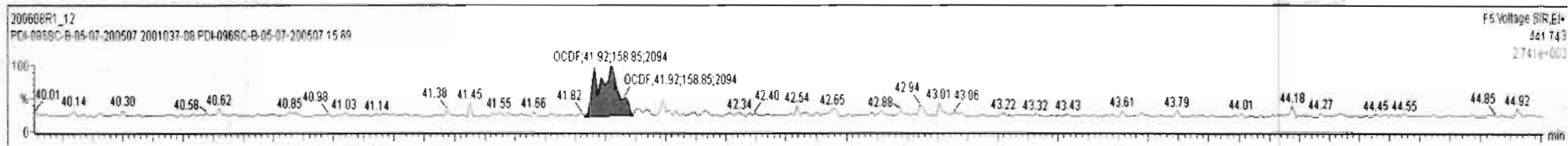
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDP	4.30e2	0.58	YES	0.8065	10.112	41.92	1.001	0.402	0.103	0.315
18	13C-2,3,7,8-TCDD	6.32e5	0.84	NO	1.1563	10.112	26.44	1.026	170	86.1	0.251
19	13C-1,2,3,7,8-PeCDD	5.04e5	0.64	NO	0.8490	10.112	31.42	1.219	185	93.4	0.434

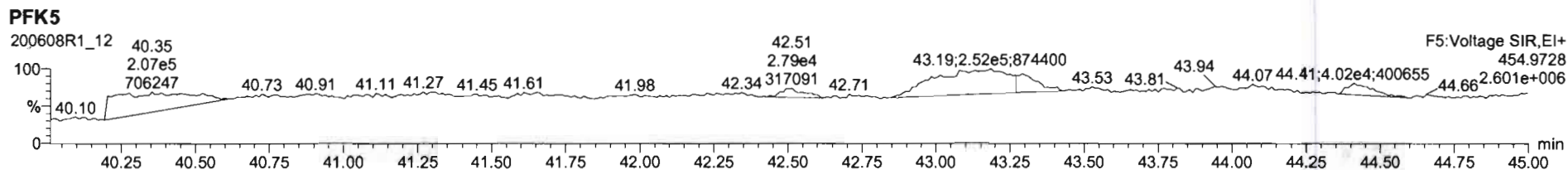
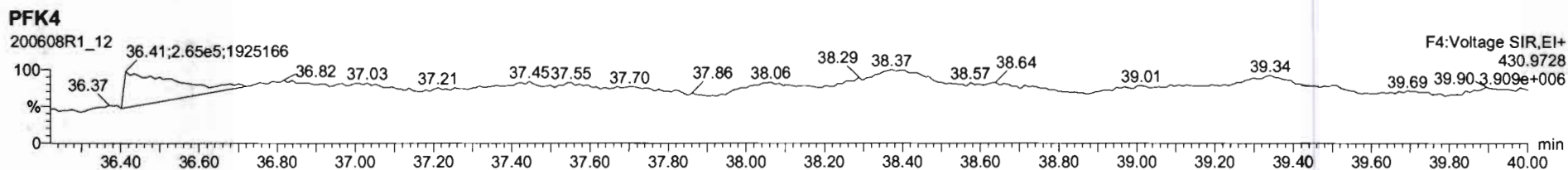
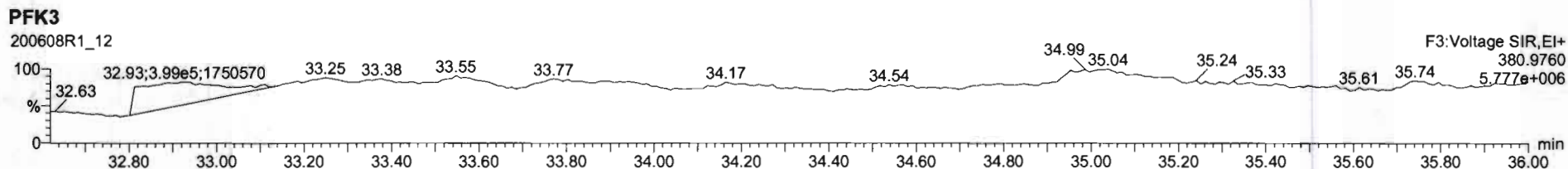
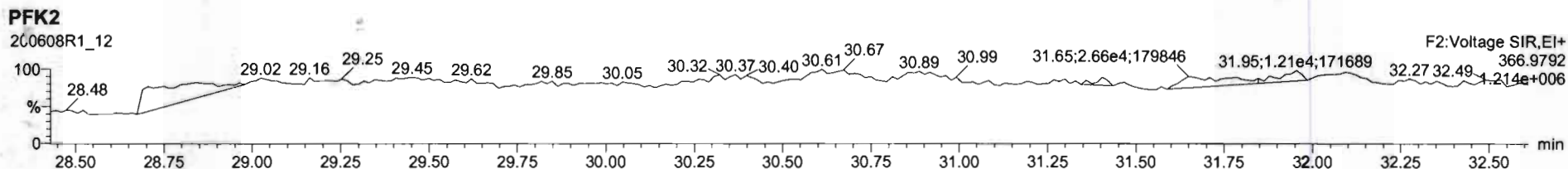
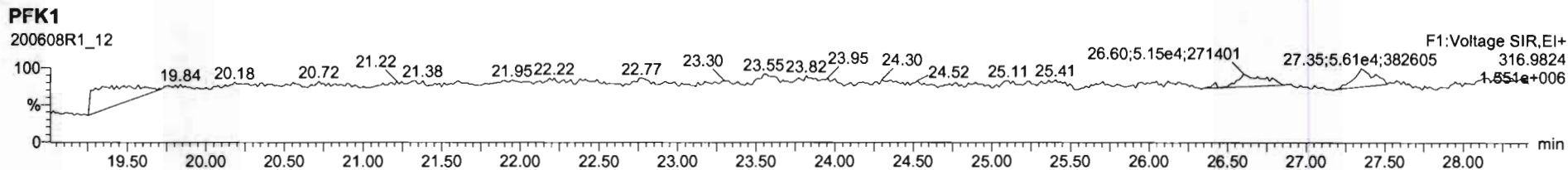
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_12, Date: 08-Jun-2020, Time: 20:13:08, ID: 2001037-08 PDI-096SC-B-05-07-200507 15.69, Description: PDI-096SC-B-05-07-200507



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-13a.qld

Last Altered: Thursday, June 11, 2020 6:01:36 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 6:05:11 PM Pacific Daylight Time

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DL 6/23/20

Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

#	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	2.17e3	0.58	YES	0.888	10.091	26.471	26.48	1.001	1.002	0.62762		0.103	0.537
2	2 1,2,3,7,8-PeCDD	1.34e3	0.65	NO	0.908	10.091	31.442	31.44	1.001	1.000	0.51832		0.161	0.518
3	3 1,2,3,4,7,8-HxCDD	9.89e2	1.28	NO	1.03	10.091	34.804	34.80	1.000	1.000	0.47983		0.181	0.480
4	4 1,2,3,6,7,8-HxCDD	5.16e3	1.21	NO	0.892	10.091	34.900	34.91	1.000	1.000	2.3144		0.183	2.31
5	5 1,2,3,7,8,9-HxCDD	2.22e3	1.25	NO	0.887	10.091	35.188	35.19	1.000	1.000	1.1271		0.211	1.13
6	6 1,2,3,4,6,7,8-HpCDD	8.66e4	1.04	NO	0.864	10.091	38.725	38.72	1.000	1.000	57.443		0.657	57.4
7	7 OCDD	1.03e6	0.88	NO	0.914	10.091	41.685	41.70	1.000	1.000	778.72		0.935	779
8	8 2,3,7,8-TCDF	1.53e5	0.75	NO	0.751	10.091	25.566	25.57	1.001	1.001	37.012 (34.159)		0.145	37.0
9	9 1,2,3,7,8-PeCDF	1.96e5	1.55	NO	0.893	10.091	30.160	30.15	1.001	1.000	49.158		0.213	49.2
10	10 2,3,4,7,8-PeCDF	6.81e4	1.53	NO	0.935	10.091	31.134	31.13	1.001	1.000	16.885		0.191	16.9
11	11 1,2,3,4,7,8-HxCDF	2.27e5	1.22	NO	0.884	10.091	33.920	33.93	1.000	1.000	91.337		0.343	91.3
12	12 1,2,3,6,7,8-HxCDF	7.24e4	1.24	NO	0.889	10.091	34.047	34.06	1.000	1.001	24.537		0.308	24.5
13	13 2,3,4,6,7,8-HxCDF	1.28e4	1.13	NO	0.934	10.091	34.658	34.64	1.001	1.001	4.7998		0.350	4.80
14	14 1,2,3,7,8,9-HxCDF	1.36e4	1.15	NO	0.871	10.091	35.539	35.59	1.000	1.002	6.9402		0.535	6.94
15	15 1,2,3,4,6,7,8-HpCDF	8.44e4	1.02	NO	0.873	10.091	37.345	37.32	1.001	1.000	47.430		0.491	47.4
16	16 1,2,3,4,7,8,9-HpCDF	2.18e4	0.99	NO	1.01	10.091	39.267	39.27	1.000	1.000	15.123		0.512	15.1
17	17 OCDF	1.27e5	0.88	NO	0.806	10.091	41.887	41.90	1.000	1.000	91.869		0.342	91.9
18	18 13C-2,3,7,8-TCDD	7.59e5	0.79	NO	1.16	10.091	26.461	26.44	1.026	1.026	176.46	89.0	0.258	
19	19 13C-1,2,3,7,8-PeCDD	5.63e5	0.63	NO	0.849	10.091	31.637	31.42	1.227	1.219	178.43	90.0	0.319	
20	20 13C-1,2,3,4,7,8-HxCDD	3.95e5	1.30	NO	0.779	10.091	34.798	34.79	1.014	1.014	153.88	77.6	0.553	
21	21 13C-1,2,3,6,7,8-HxCDD	4.95e5	1.28	NO	1.02	10.091	34.911	34.90	1.017	1.017	147.68	74.5	0.424	
22	22 13C-1,2,3,7,8,9-HxCDD	4.40e5	1.24	NO	0.903	10.091	35.182	35.18	1.025	1.025	147.96	74.7	0.478	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.46e5	1.07	NO	0.689	10.091	38.703	38.71	1.128	1.128	152.14	76.8	0.637	
24	24 13C-OCDD	5.77e5	0.88	NO	0.652	10.091	41.722	41.69	1.216	1.215	268.14	67.6	0.555	
25	25 13C-2,3,7,8-TCDF	1.09e6	0.78	NO	1.06	10.091	25.504	25.54	0.989	0.991	176.72	89.2	0.308	
26	26 13C-1,2,3,7,8-PeCDF	8.83e5	1.61	NO	0.838	10.091	30.023	30.14	1.165	1.169	181.28	91.5	0.488	
27	27 13C-2,3,4,7,8-PeCDF	8.55e5	1.54	NO	0.817	10.091	30.975	31.11	1.202	1.207	180.08	90.9	0.501	
28	28 13C-1,2,3,4,7,8-HxCDF	5.56e5	0.50	NO	1.01	10.091	33.930	33.92	0.989	0.989	167.33	84.4	0.902	
29	29 13C-1,2,3,6,7,8-HxCDF	6.58e5	0.52	NO	1.17	10.091	34.053	34.04	0.992	0.992	171.02	86.3	0.778	
30	30 13C-2,3,4,6,7,8-HxCDF	5.67e5	0.51	NO	1.02	10.091	34.626	34.62	1.009	1.009	168.24	84.9	0.889	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-13a.qld

Last Altered: Thursday, June 11, 2020 6:01:36 PM Pacific Daylight Time

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Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	4.45e5	0.50	NO	0.860	10.091	35.525	35.54	1.035	1.036	157.19	79.3	1.06	
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.04e5	0.43	NO	0.774	10.091	37.272	37.31	1.086	1.087	158.14	79.8	0.713	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.83e5	0.42	NO	0.521	10.091	39.300	39.27	1.145	1.144	164.53	83.0	1.06	
34	34 13C-OCDF	6.78e5	0.84	NO	0.746	10.091	41.894	41.89	1.221	1.221	275.77	69.6	0.524	
35	35 37Cl-2,3,7,8-TCDD	3.05e5			1.04	10.091	26.492	26.47	1.028	1.027	79.181	99.9	0.0758	
36	36 13C-1,2,3,4-TCDD	7.37e5	0.79	NO	1.00	10.091	25.800	25.78	1.000	1.000	198.20 ✓	100	0.299	
37	37 13C-1,2,3,4-TCDF	1.15e6	0.78	NO	1.00	10.091	24.360	24.10	1.000	1.000	198.20	100	0.327	
38	38 13C-1,2,3,4,6,9-HxCDF	6.53e5	0.50	NO	1.00	10.091	34.420	34.31	1.000	1.000	198.20	100	0.908	
39	39 Total Tetra-Dioxins				0.888	10.091	24.620		0.000		2.8848		0.103	4.25
40	40 Total Penta-Dioxins				0.908	10.091	29.960		0.000		4.5497		0.161	4.89
41	41 Total Hexa-Dioxins				0.892	10.091	33.635		0.000		22.701		0.200	22.7
42	42 Total Hepta-Dioxins				0.864	10.091	37.640		0.000		135.44		0.657	135
43	43 Total Tetra-Furans				0.751	10.091	23.610		0.000		106.85		0.145	107 p
44	44 1st Func. Penta-Furans				0.893	10.091	27.580		0.000		8.5217		0.0379	8.52
45	45 Total Penta-Furans				0.893	10.091	29.275		0.000		117.83		0.206	119
46	46 Total Hexa-Furans				0.934	10.091	33.555		0.000		162.29		0.356	163
47	47 Total Hepta-Furans				0.873	10.091	37.835		0.000		116.50		0.534	117

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-13a.qld

Last Altered: Thursday, June 11, 2020 6:01:36 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 6:05:11 PM Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.43	2.940e4	3.852e4	2.769e3	3.682e3	0.75	NO	6.451e3	1.8966	1.8966	0.103
2	Total Tetra-Dioxins	22.85	1.240e4	9.163e3	9.627e2	9.208e2	1.05	YES	0.000e0	0.00000	0.47917	0.103
3	Total Tetra-Dioxins	23.34	4.033e3	4.270e3	3.294e2	3.145e2	1.05	YES	0.000e0	0.00000	0.16368	0.103
4	Total Tetra-Dioxins	24.25	4.379e3	4.473e3	3.201e2	4.331e2	0.74	NO	7.532e2	0.22145	0.22145	0.103
5	Total Tetra-Dioxins	24.52	4.679e3	5.115e3	4.403e2	3.536e2	1.25	YES	0.000e0	0.00000	0.18399	0.103
6	Total Tetra-Dioxins	24.73	7.237e3	9.387e3	4.648e2	5.745e2	0.81	NO	1.039e3	0.30557	0.30557	0.103
7	Total Tetra-Dioxins	26.20	8.113e3	1.229e4	6.463e2	9.225e2	0.70	NO	1.569e3	0.46122	0.46122	0.103
8	2,3,7,8-TCDD	26.48	1.245e4	2.117e4	7.945e2	1.374e3	0.58	YES	2.169e3	0.00000	0.53691	0.103

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	1.770e4	2.518e4	1.407e3	2.083e3	0.68	NO	3.490e3	1.3521	1.3521	0.161
2	Total Penta-Dioxins	29.68	6.105e3	1.234e4	3.849e2	6.675e2	0.58	NO	1.052e3	0.40771	0.40771	0.161
3	Total Penta-Dioxins	30.20	1.521e4	2.507e4	9.739e2	1.477e3	0.66	NO	2.451e3	0.94945	0.94945	0.161
4	Total Penta-Dioxins	30.37	4.742e3	1.340e4	3.302e2	5.688e2	0.58	NO	8.990e2	0.34828	0.34828	0.161
5	Total Penta-Dioxins	30.44	6.460e3	9.750e3	3.343e2	5.856e2	0.57	NO	9.199e2	0.35638	0.35638	0.161
6	Total Penta-Dioxins	30.67	6.611e3	1.145e4	5.845e2	1.009e3	0.58	NO	1.594e3	0.61739	0.61739	0.161
7	Total Penta-Dioxins	31.02	5.521e3	6.456e3	2.222e2	3.057e2	0.73	YES	0.000e0	0.00000	0.19305	0.161
8	1,2,3,7,8-PeCDD	31.44	7.073e3	1.907e4	5.284e2	8.095e2	0.65	NO	1.338e3	0.51832	0.51832	0.161
9	Total Penta-Dioxins	31.82	4.791e3	3.671e3	1.851e2	2.253e2	0.82	YES	0.000e0	0.00000	0.14228	0.161

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-13a.qld

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Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.30	1.747e5	1.324e5	9.212e3	7.210e3	1.28	NO	1.642e4	8.2247	8.2247	0.200
2	Total Hexa-Dioxins	33.87	2.466e4	2.105e4	1.384e3	1.116e3	1.24	NO	2.500e3	1.2521	1.2521	0.200
3	Total Hexa-Dioxins	34.12	1.394e5	1.034e5	9.216e3	7.517e3	1.23	NO	1.673e4	8.3801	8.3801	0.200
4	Total Hexa-Dioxins	34.22	1.467e4	1.287e4	7.203e2	5.338e2	1.35	NO	1.254e3	0.62806	0.62806	0.200
5	1,2,3,4,7,8-HxCDD	34.80	1.167e4	9.483e3	5.556e2	4.331e2	1.28	NO	9.887e2	0.47983	0.47983	0.181
6	1,2,3,6,7,8-HxCDD	34.91	4.025e4	3.714e4	2.822e3	2.336e3	1.21	NO	5.158e3	2.3144	2.3144	0.183
7	Total Hexa-Dioxins	35.10	5.317e3	6.820e3	3.251e2	2.636e2	1.23	NO	5.887e2	0.29484	0.29484	0.200
8	1,2,3,7,8,9-HxCDD	35.19	1.865e4	1.621e4	1.232e3	9.888e2	1.25	NO	2.221e3	1.1271	1.1271	0.211

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	7.455e5	7.332e5	5.953e4	5.801e4	1.03	NO	1.175e5	77.999	77.999	0.657
2	1,2,3,4,6,7,8-HpCDD	38.72	5.550e5	5.542e5	4.408e4	4.247e4	1.04	NO	8.656e4	57.443	57.443	0.657

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-13a.qld

Last Altered: Thursday, June 11, 2020 6:01:36 PM Pacific Daylight Time
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Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.29	7.031e3	1.088e4	5.821e2	8.838e2	0.66	NO	1.466e3	0.35557	0.35557	0.145
2	Total Tetra-Furans	20.83	1.280e4	1.892e4	1.123e3	1.695e3	0.66	NO	2.818e3	0.68345	0.68345	0.145
3	Total Tetra-Furans	21.44	7.152e4	9.078e4	6.541e3	8.304e3	0.79	NO	1.484e4	3.6006	3.6006	0.145
4	Total Tetra-Furans	22.02	2.384e4	3.290e4	3.497e3	4.570e3	0.77	NO	8.067e3	1.9568	1.9568	0.145
5	Total Tetra-Furans	22.40	1.451e5	1.840e5	1.483e4	1.934e4	0.77	NO	3.417e4	8.2882	8.2882	0.145
6	Total Tetra-Furans	22.89	5.752e4	8.580e4	5.983e3	7.903e3	0.76	NO	1.389e4	3.3682	3.3682	0.145
7	Total Tetra-Furans	23.03	6.009e3	9.019e3	6.321e2	8.297e2	0.76	NO	1.462e3	0.35456	0.35456	0.145
8	Total Tetra-Furans	23.25	3.423e4	4.313e4	2.920e3	3.504e3	0.83	NO	6.423e3	1.5580	1.5580	0.145
9	Total Tetra-Furans	23.71	7.942e3	7.991e3	6.018e2	6.897e2	0.87	NO	1.292e3	0.31327	0.31327	0.145
10	Total Tetra-Furans	23.82	5.979e3	8.872e3	6.042e2	7.438e2	0.81	NO	1.348e3	0.32697	0.32697	0.145
11	Total Tetra-Furans	24.03	3.792e4	5.156e4	2.510e3	3.119e3	0.80	NO	5.629e3	1.3654	1.3654	0.145
12	Total Tetra-Furans	24.10	8.895e4	1.093e5	8.942e3	1.168e4	0.77	NO	2.062e4	5.0021	5.0021	0.145
13	Total Tetra-Furans	24.63	6.551e5	8.929e5	5.476e4	7.450e4	0.74	NO	1.293e5	31.354	31.354	0.145
14	Total Tetra-Furans	24.91	2.846e4	3.648e4	2.519e3	3.471e3	0.73	NO	5.990e3	1.4530	1.4530	0.145
15	Total Tetra-Furans	25.12	7.676e3	1.083e4	7.409e2	8.760e2	0.85	NO	1.617e3	0.39220	0.39220	0.145
16	Total Tetra-Furans	25.35	1.094e4	1.371e4	7.217e2	9.384e2	0.77	NO	1.660e3	0.40268	0.40268	0.145
17	Total Tetra-Furans	25.47	1.030e5	1.302e5	5.794e3	7.802e3	0.74	NO	1.360e4	3.2978	3.2978	0.145
18	2,3,7,8-TCDF	25.57	8.518e5	1.134e6	6.526e4	8.734e4	0.75	NO	1.526e5	37.012	37.012	0.145
19	Total Tetra-Furans	25.93	3.487e4	4.135e4	2.716e3	3.216e3	0.84	NO	5.932e3	1.4388	1.4388	0.145
20	Total Tetra-Furans	26.21	8.572e3	8.945e3	5.912e2	6.909e2	0.86	NO	1.282e3	0.31098	0.31098	0.145
21	Total Tetra-Furans	26.99	7.305e3	3.588e3	4.241e2	2.624e2	1.62	YES	0.000e0	0.00000	0.11266	0.145
22	Total Tetra-Furans	27.13	9.381e3	1.334e4	5.283e2	7.955e2	0.66	NO	1.324e3	0.32110	0.32110	0.145
23	Total Tetra-Furans	27.28	8.924e3	1.133e4	4.570e2	6.430e2	0.71	NO	1.100e3	0.26680	0.26680	0.145
24	Total Tetra-Furans	27.58	9.027e4	1.127e5	6.536e3	7.592e3	0.86	NO	1.413e4	3.4268	3.4268	0.145

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Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	3.268e5	2.101e5	2.029e4	1.306e4	1.55	NO	3.335e4	8.5217	8.5217	0.0379

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-13a.qld

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Printed: Thursday, June 11, 2020 6:05:11 PM Pacific Daylight Time

Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.01	2.276e4	1.946e4	1.320e3	1.008e3	1.31	YES	0.000e0	0.00000	0.55487	0.206
2	Total Penta-Furans	29.16	9.169e5	5.674e5	5.806e4	3.710e4	1.57	NO	9.515e4	24.312	24.312	0.206
3	Total Penta-Furans	29.76	7.765e4	4.840e4	6.111e3	4.079e3	1.50	NO	1.019e4	2.6035	2.6035	0.206
4	Total Penta-Furans	29.96	1.744e5	1.134e5	9.609e3	6.313e3	1.52	NO	1.592e4	4.0683	4.0683	0.206
5	1,2,3,7,8-PeCDF	30.15	2.166e6	1.379e6	1.188e5	7.677e4	1.55	NO	1.955e5	49.158	49.158	0.213
6	Total Penta-Furans	30.41	5.378e5	3.031e5	3.291e4	2.014e4	1.63	NO	5.305e4	13.554	13.554	0.206
7	Total Penta-Furans	31.02	1.708e4	1.096e4	7.671e2	5.399e2	1.42	NO	1.307e3	0.33397	0.33397	0.206
8	2,3,4,7,8-PeCDF	31.13	8.301e5	5.372e5	4.114e4	2.694e4	1.53	NO	6.808e4	16.885	16.885	0.191
9	Total Penta-Furans	31.16	5.766e5	3.640e5	1.660e4	1.046e4	1.59	NO	2.707e4	6.9158	6.9158	0.206
10	Total Penta-Furans	32.06	4.753e4	2.691e4	2.364e3	1.235e3	1.91	YES	0.000e0	0.00000	0.80455	0.206

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.76	1.046e5	8.189e4	5.232e3	4.154e3	1.26	NO	9.386e3	3.5783	3.5783	0.356
2	Total Hexa-Furans	32.92	3.857e5	3.252e5	1.960e4	1.609e4	1.22	NO	3.569e4	13.607	13.607	0.356
3	Total Hexa-Furans	33.28	1.224e4	7.930e3	5.959e2	4.232e2	1.41	NO	1.019e3	0.38854	0.38854	0.356
4	Total Hexa-Furans	33.47	4.415e5	3.624e5	2.254e4	1.820e4	1.24	NO	4.074e4	15.532	15.532	0.356
5	Total Hexa-Furans	33.84	1.689e4	1.508e4	7.419e2	7.674e2	0.97	YES	0.000e0	0.00000	0.51096	0.356
6	1,2,3,4,7,8-HxCDF	33.93	2.287e6	1.842e6	1.246e5	1.020e5	1.22	NO	2.266e5	91.337	91.337	0.343
7	1,2,3,6,7,8-HxCDF	34.06	5.967e5	5.024e5	4.009e4	3.235e4	1.24	NO	7.244e4	24.537	24.537	0.308
8	2,3,4,6,7,8-HxCDF	34.64	1.168e5	1.010e5	6.799e3	6.023e3	1.13	NO	1.282e4	4.7998	4.7998	0.350
9	1,2,3,7,8,9-HxCDF	35.59	1.363e5	1.164e5	7.252e3	6.330e3	1.15	NO	1.358e4	6.9402	6.9402	0.535
10	Total Hexa-Furans	35.61	9.835e4	7.929e4	2.256e3	1.874e3	1.20	NO	4.130e3	1.5744	1.5744	0.356

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Printed: Thursday, June 11, 2020 6:05:11 PM Pacific Daylight Time

Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.32	5.787e5	5.522e5	4.259e4	4.180e4	1.02	NO	8.440e4	47.430	47.430	0.491
2	Total Hepta-Furans	37.72	1.507e4	1.045e4	7.133e2	6.521e2	1.09	NO	1.365e3	0.90280	0.90280	0.534
3	Total Hepta-Furans	37.93	5.058e5	5.122e5	4.057e4	3.965e4	1.02	NO	8.022e4	53.044	53.044	0.534
4	1,2,3,4,7,8,9-HpCDF	39.27	1.612e5	1.803e5	1.086e4	1.098e4	0.99	NO	2.184e4	15.123	15.123	0.512

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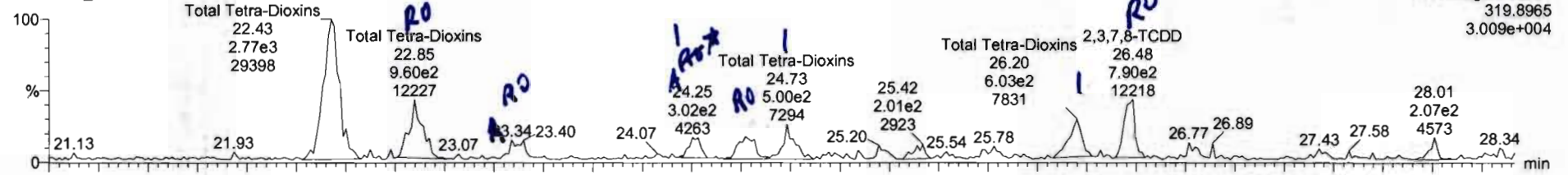
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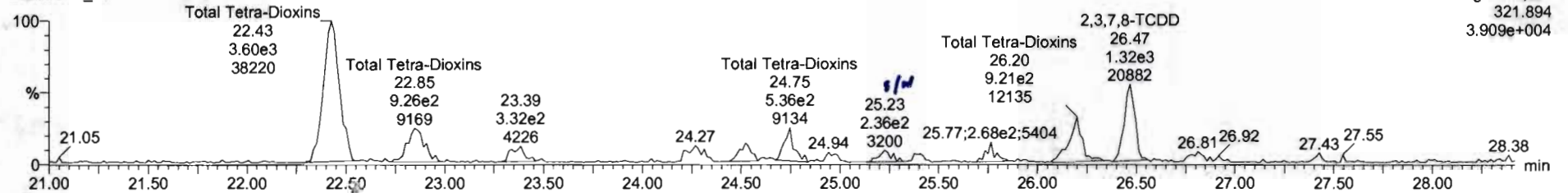
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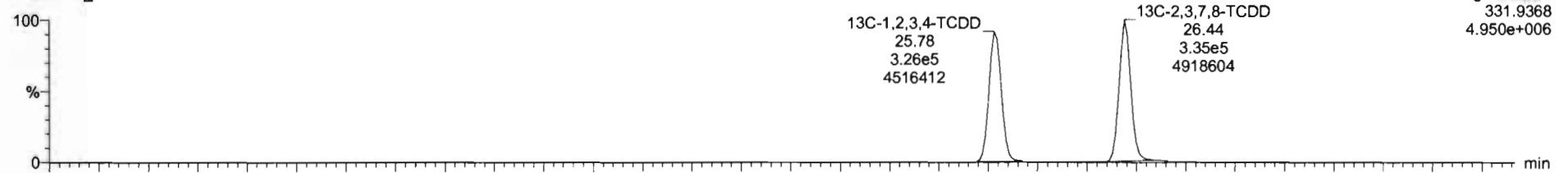
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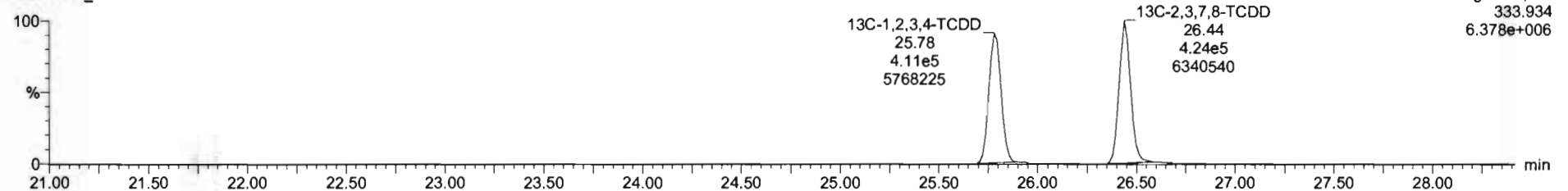
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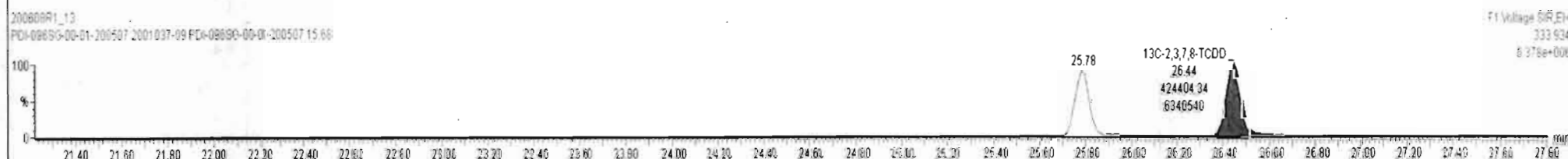
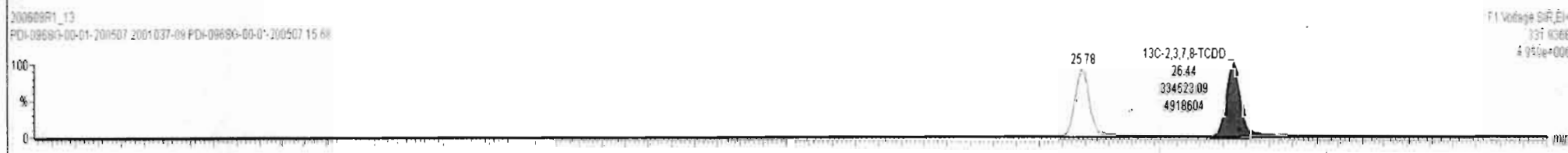
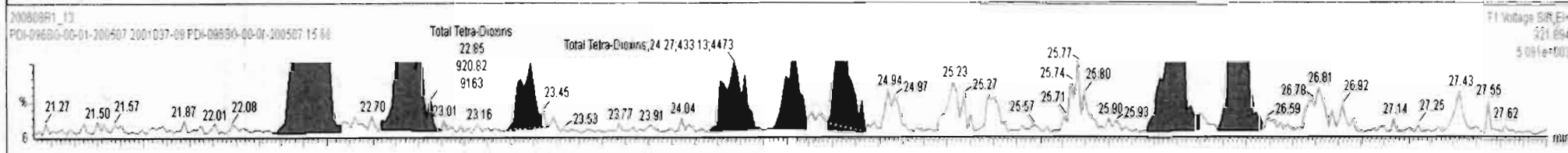
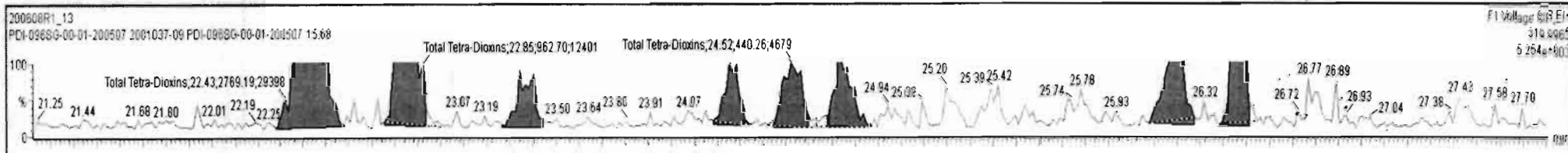
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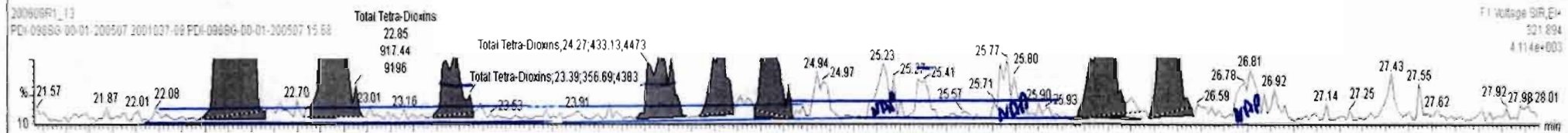
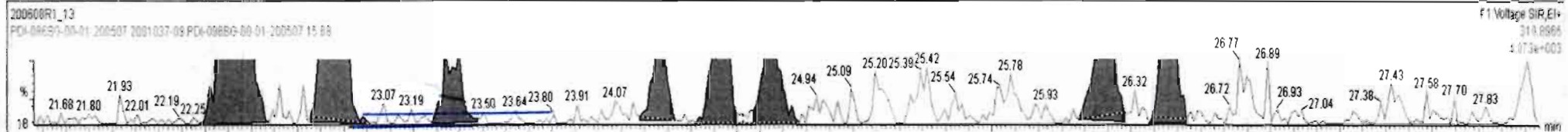
Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.091			2.88		0.103	4.25
40 Total Penta-Dioxins				0.9081	10.091			4.55		0.161	4.89

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Dioxins	22.43	2.769e3	3.682e3	0.75	NO	1.8966	1.8966
2 Total Tetra-Dioxins	22.85	9.627e2	9.208e2	1.05	YES	0.47917	0.00000
3 Total Tetra-Dioxins	23.34	3.294e2	3.145e2	1.05	YES	0.16368	0.00000
4 Total Tetra-Dioxins	24.25	3.201e2	4.331e2	0.74	NO	0.22145	0.22145
5 Total Tetra-Dioxins	24.52	4.403e2	3.536e2	1.25	YES	0.18398	0.00000
6 Total Tetra-Dioxins	24.73	4.648e2	5.745e2	0.81	NO	0.30557	0.30557
7 Total Tetra-Dioxins	26.20	6.463e2	9.225e2	0.70	NO	0.46122	0.46122
8 2,3,7,8-TCDD	26.48	7.945e2	1.374e3	0.58	YES	0.53691	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8683	10.091			2.87		0.103	4.28
40 Total Penta-Dioxins				0.9081	10.091			3.34		0.161	4.53
41 Total Hexa-Dioxins				0.8923	10.091			21.9		0.200	22.6
42 Total Hepta-Dioxins				0.8639	10.091			1.36		0.652	1.36
43 Total Tetra-Furans				0.7510	10.091			97.9		0.146	105

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.43	2.769e3	3.670e3	0.75	NO	1.8932	1.8932
2 Total Tetra-Dioxins	22.85	9.960e2	9.174e2	1.09	YES	0.47741	0.00000
3 Total Tetra-Dioxins	23.34	3.297e2	3.567e2	0.92	YES	0.18561	0.00000
4 Total Tetra-Dioxins	24.25	3.201e2	4.331e2	0.74	NO	0.22145	0.22145
5 Total Tetra-Dioxins	24.52	4.444e2	3.461e2	1.28	YES	0.18013	0.00000
6 Total Tetra-Dioxins	24.73	4.648e2	5.745e2	0.81	NO	0.30557	0.30557
7 Total Tetra-Dioxins	26.20	6.463e2	9.001e2	0.72	NO	0.45466	0.45466
8 2,3,7,8-TCDD	26.48	8.277e2	1.369e3	0.60	YES	0.55936	0.00000



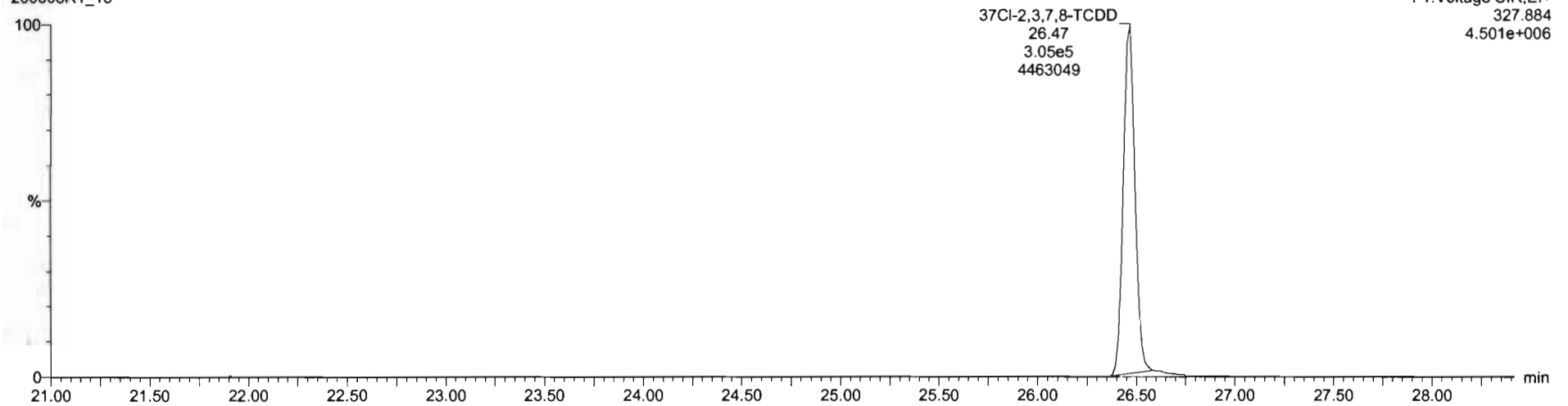
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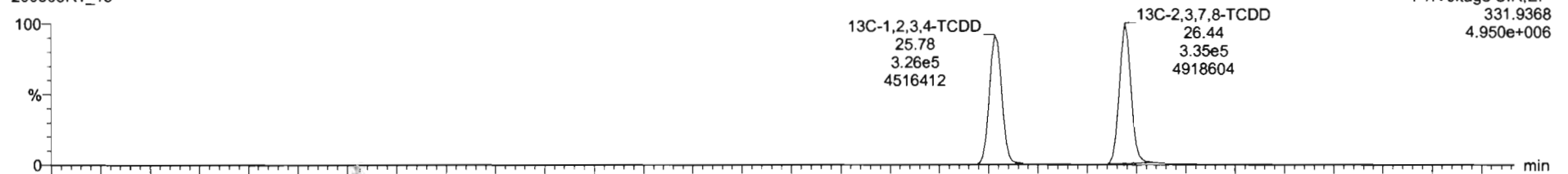
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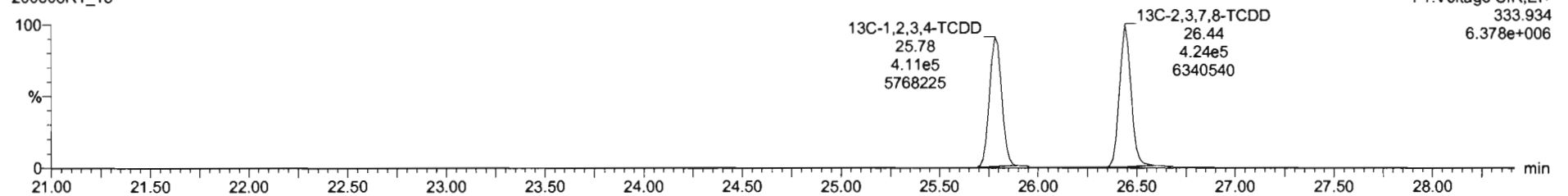


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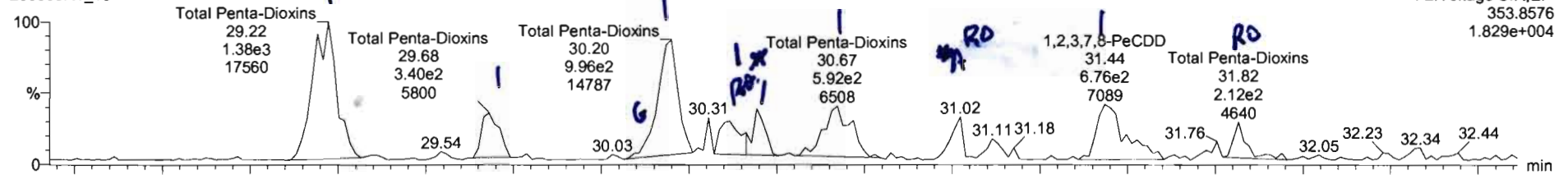
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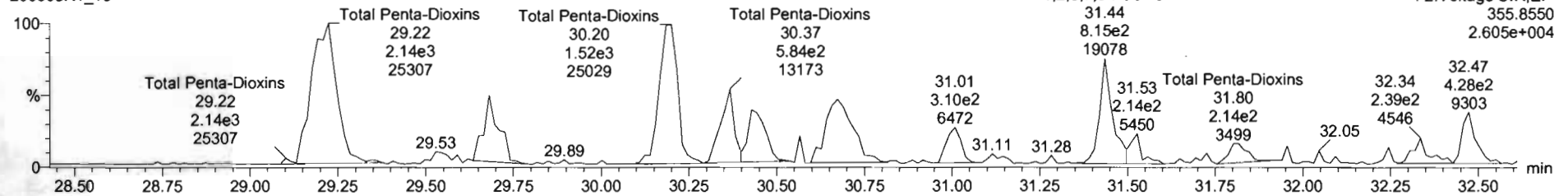
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1,2,3,7,8-PeCDD

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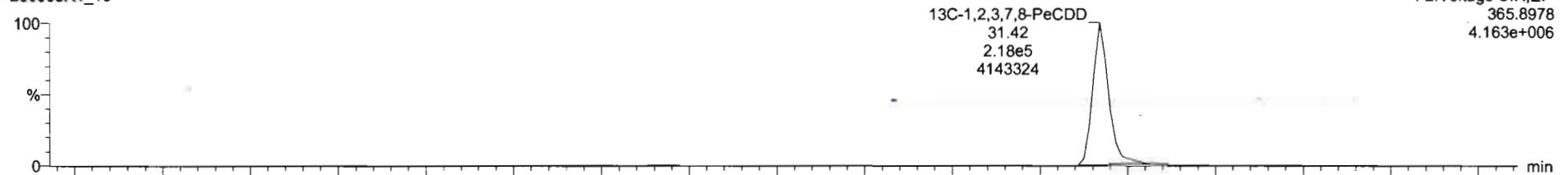


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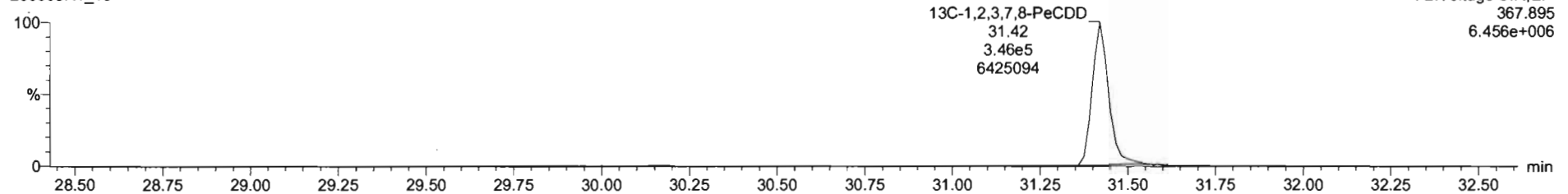


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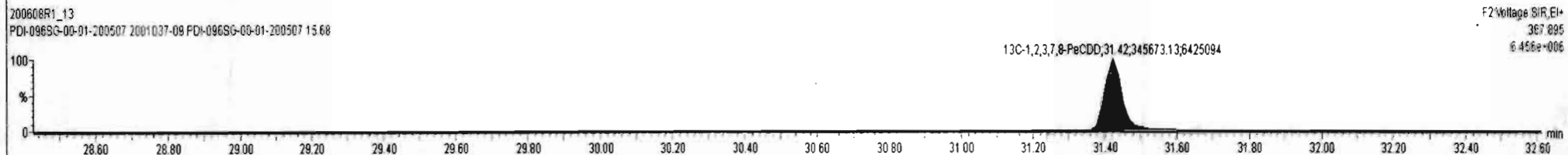
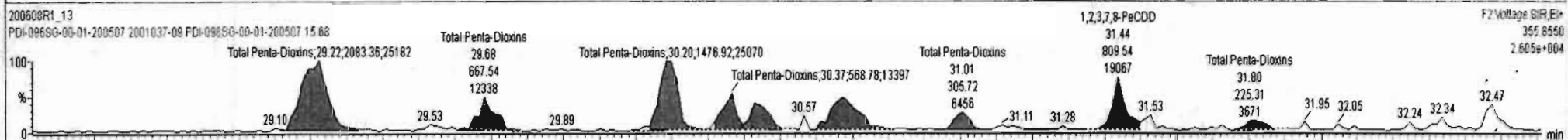
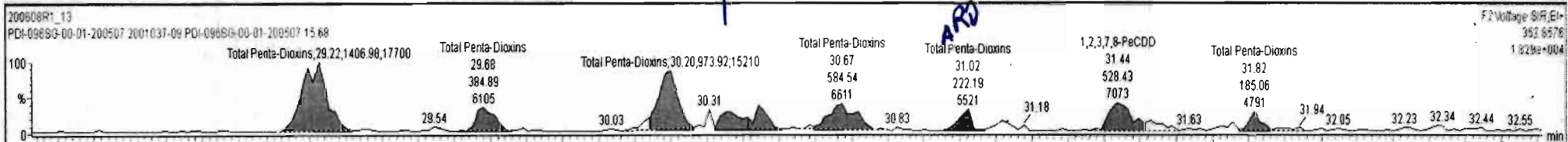


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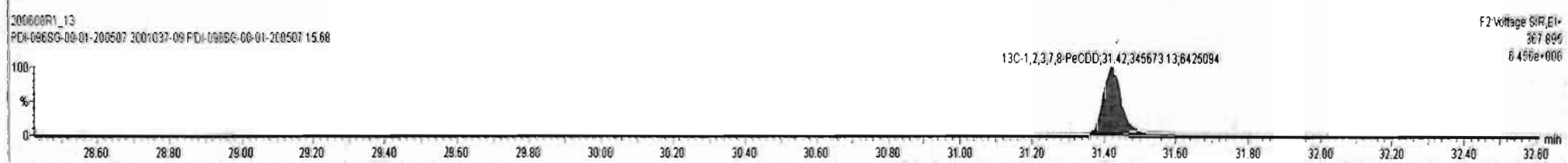
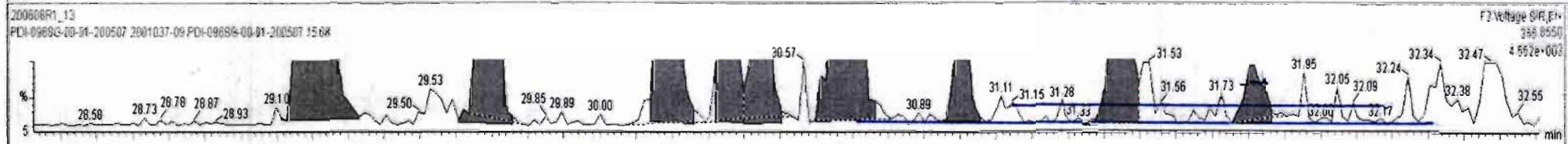
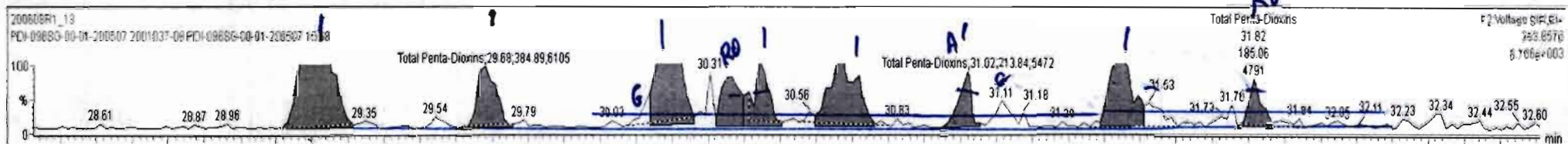
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.091			2.88		0.103	4.25
40 Total Penta-Dioxins				0.9081	10.091			4.55		0.161	4.89

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	1.407e3	2.083e3	0.68	NO	1.3521	1.3521
2 Total Penta-Dioxins	29.68	3.849e2	6.675e2	0.58	NO	0.40771	0.40771
3 Total Penta-Dioxins	30.20	9.739e2	1.477e3	0.66	NO	0.94945	0.94945
4 Total Penta-Dioxins	30.37	3.302e2	5.689e2	0.58	NO	0.34828	0.34828
5 Total Penta-Dioxins	30.44	3.343e2	5.856e2	0.57	NO	0.35638	0.35638
6 Total Penta-Dioxins	30.67	5.845e2	1.009e3	0.58	NO	0.61739	0.61739
7 Total Penta-Dioxins	31.02	2.222e2	3.057e2	0.73	YES	0.19305	0.00000
8 1,2,3,7,8-PeCDD	31.44	5.284e2	8.095e2	0.65	NO	0.51832	0.51832
9 Total Penta-Dioxins	31.82	1.851e2	2.253e2	0.82	YES	0.14228	0.00000



Name	Resp	RA	n/y	RF	wAol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9883	10.091			0.982		0.103	1.68
40 Total Penta-Dioxins				0.9061	10.091			4.41		0.161	4.84
41 Total Hexa-Dioxins				0.8923	10.091			21.9		0.200	22.6
42 Total Hepta-Dioxins				0.8639	10.091			1.36		0.652	1.36
43 Total Tetra-Furans				0.7510	10.091			97.9		0.146	105

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	1.407e3	2.083e3	0.68	NO	1.3521	1.3521
2 Total Penta-Dioxins	29.68	3.649e2	6.675e2	0.58	NO	0.40771	0.40771
3 Total Penta-Dioxins	30.20	9.739e2	1.477e3	0.66	NO	0.94945	0.94945
4 Total Penta-Dioxins	30.37	2.670e2	5.686e2	0.50	YES	0.28763	0.00000
5 Total Penta-Dioxins	30.44	3.343e2	5.856e2	0.57	NO	0.35638	0.35638
6 Total Penta-Dioxins	30.67	6.010e2	1.009e3	0.60	NO	0.62375	0.62375
7 Total Penta-Dioxins	31.02	2.138e2	3.057e2	0.70	NO	0.20128	0.20128
8 1,2,3,7,8-PeCDD	31.44	5.284e2	8.095e2	0.65	NO	0.51832	0.51832
9 Total Penta-Dioxins	31.82	1.651e2	2.253e2	0.82	YES	0.14228	0.00000



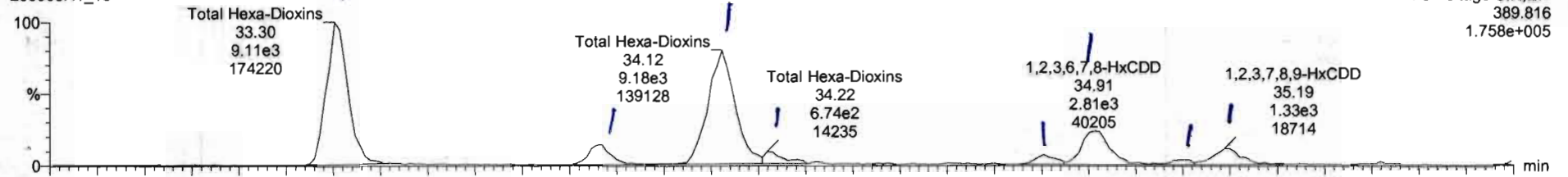
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

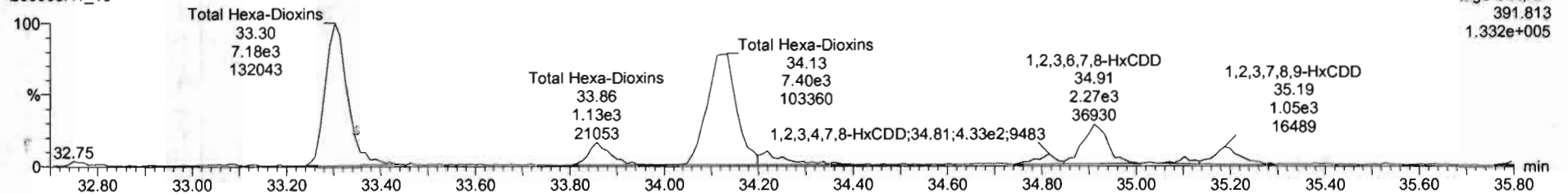
Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

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

200608R1_13

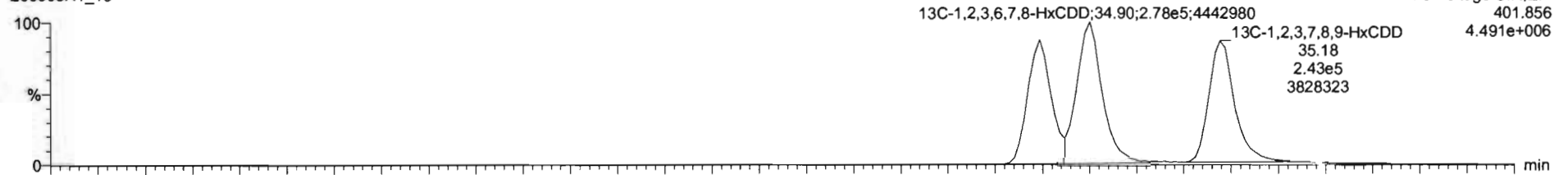


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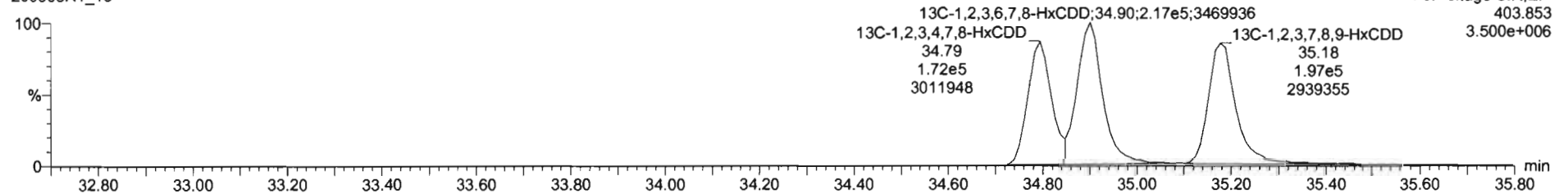


13C-1,2,3,4,7,8-HxCDD

200608R1_13



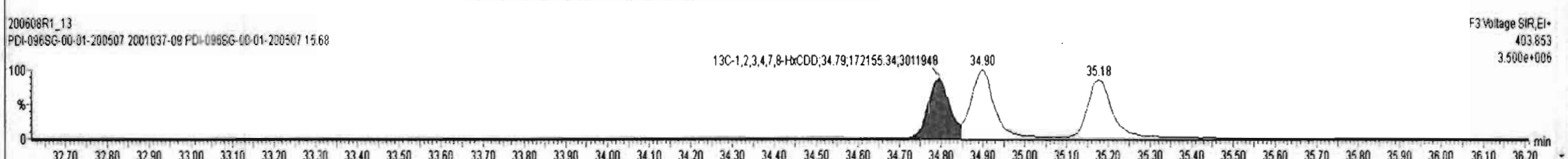
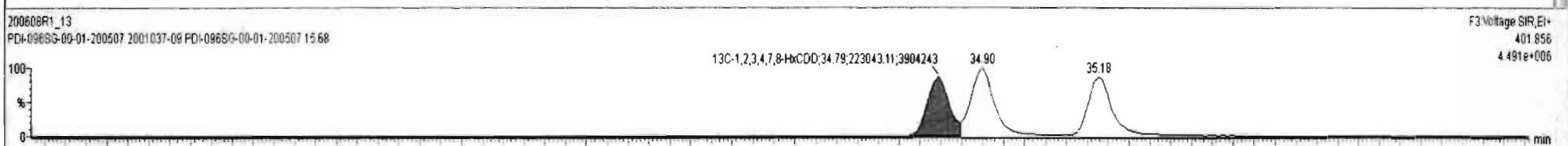
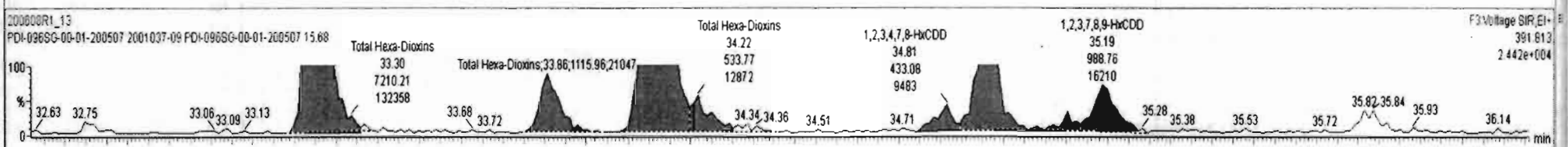
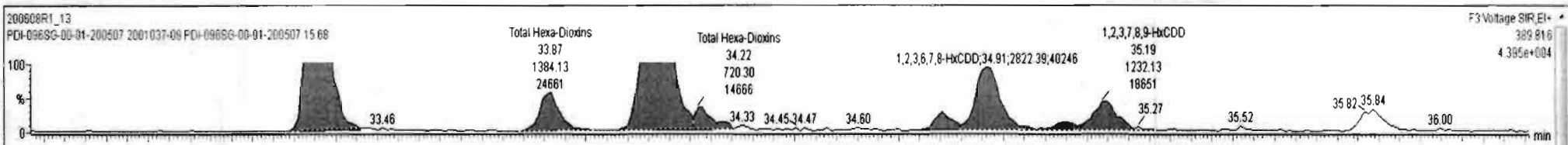
200608R1_13



200608R1_13 - 2001037-09 PDI-096SG-00-01-200507 15.68 - PDI-096SG-00-01-200507

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.091			0.527		0.103	0.681
40 Total Penta-Dioxins				0.9081	10.091			4.41		0.161	4.84
41 Total Hexa-Dioxins				0.8923	10.091			22.7		0.200	22.7
42 Total Hepta-Dioxins				0.8639	10.091			1.36		0.652	1.36
43 Total Tetra-Furans				0.7510	10.091			97.9		0.146	105

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.30	9.212e3	7.210e3	1.28	NO	8.2247	8.2247
2 Total Hexa-Dioxins	33.87	1.384e3	1.115e3	1.24	NO	1.2521	1.2521
3 Total Hexa-Dioxins	34.12	9.216e3	7.517e3	1.23	NO	8.3801	8.3801
4 Total Hexa-Dioxins	34.22	7.203e2	5.339e2	1.35	NO	0.62806	0.62806
5 1,2,3,4,7,8-HxCDD	34.80	5.556e2	4.331e2	1.28	NO	0.47983	0.47983
6 1,2,3,6,7,8-HxCDD	34.91	2.822e3	2.336e3	1.21	NO	2.3144	2.3144
7 Total Hexa-Dioxins	35.10	3.251e2	2.636e2	1.23	NO	0.29484	0.29484
8 1,2,3,7,8,9-HxCDD	35.19	1.232e3	9.888e2	1.25	NO	1.1271	1.1271



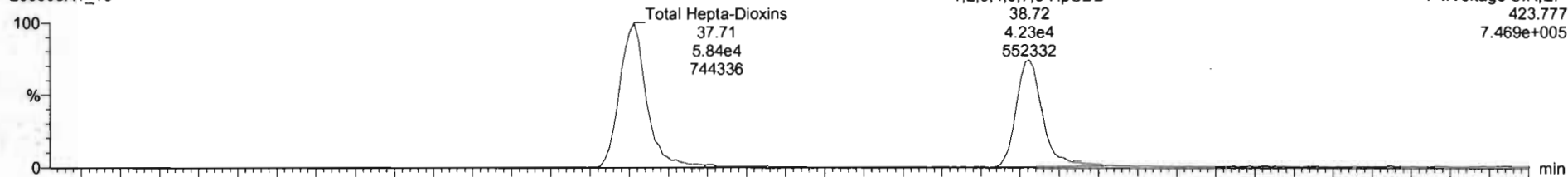
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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

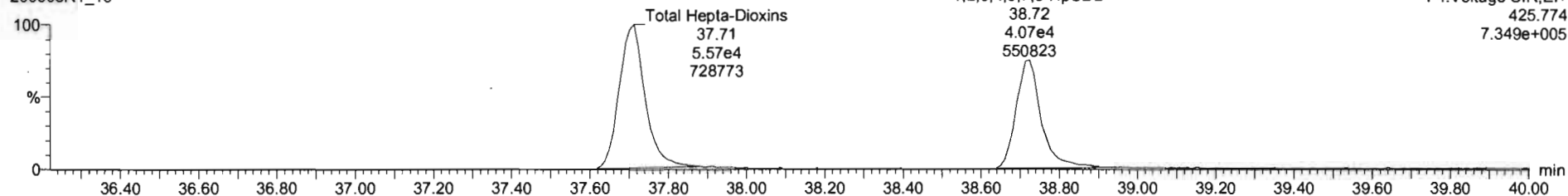
1,2,3,4,6,7,8-HpCDD

200608R1_13



F4:Voltage SIR,EI+
423.777
7.469e+005

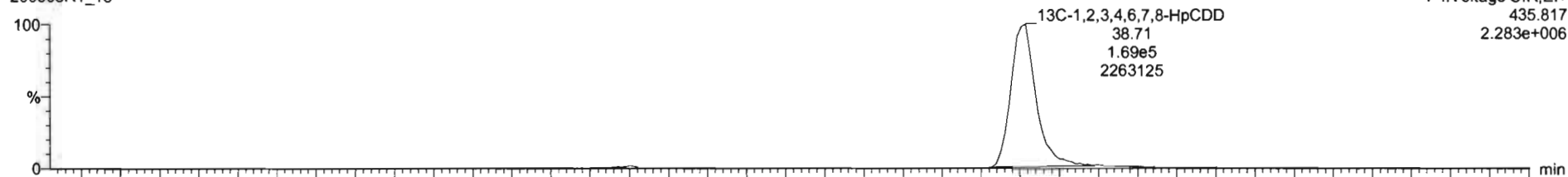
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425.774
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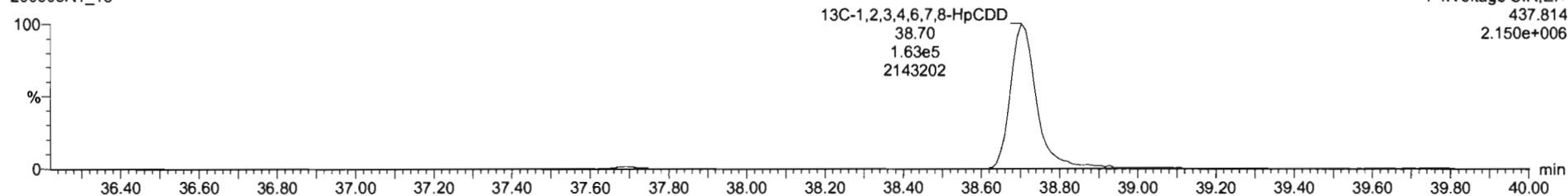
13C-1,2,3,4,6,7,8-HpCDD

200608R1_13



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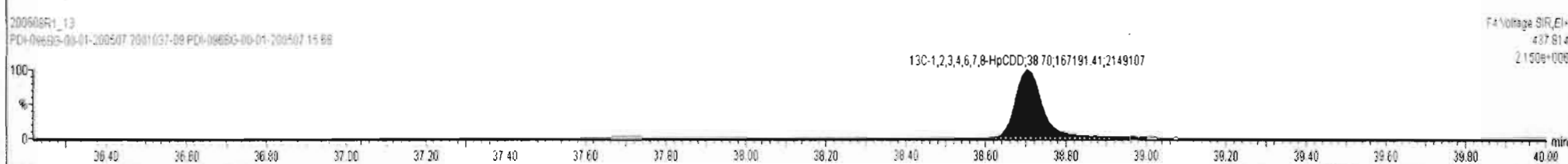
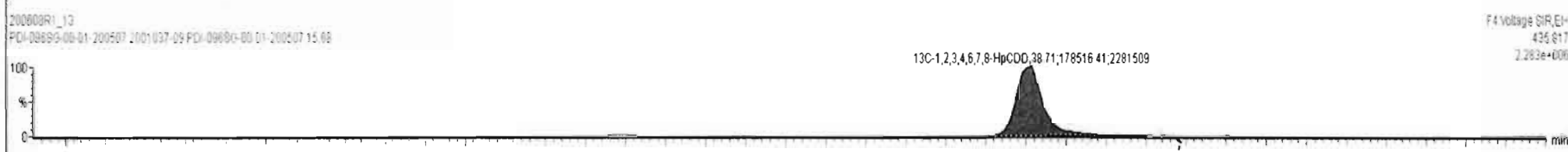
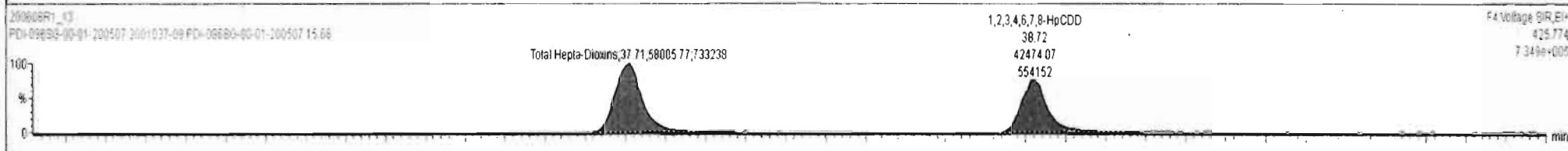
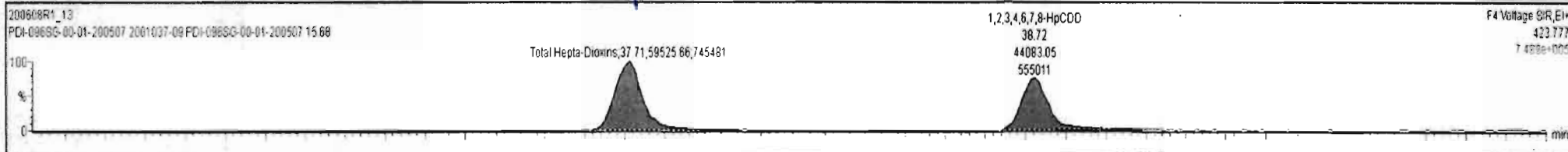
200608R1_13



F4:Voltage SIR,EI+
437.814
2.150e+006

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.091			0.527		0.103	0.691
40 Total Penta-Dioxins				0.9081	10.091			4.41		0.181	4.84
41 Total Hexa-Dioxins				0.8923	10.091			22.7		0.200	22.7
42 Total Hepta-Dioxins				0.8639	10.091			135		0.657	135
43 Total Tetra-Furans				0.7510	10.091			97.9		0.146	105

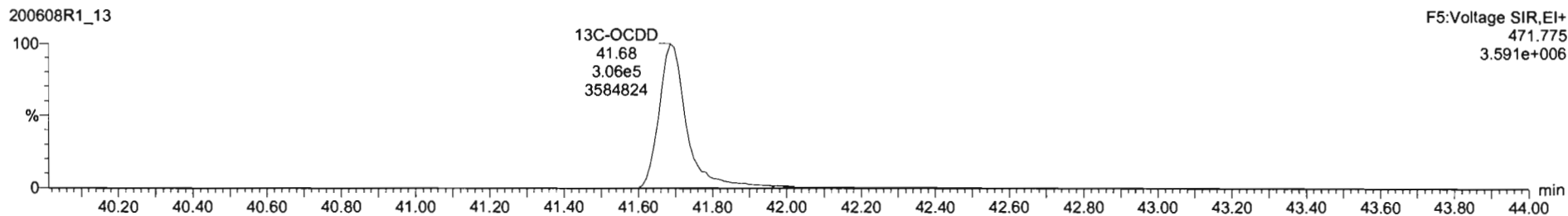
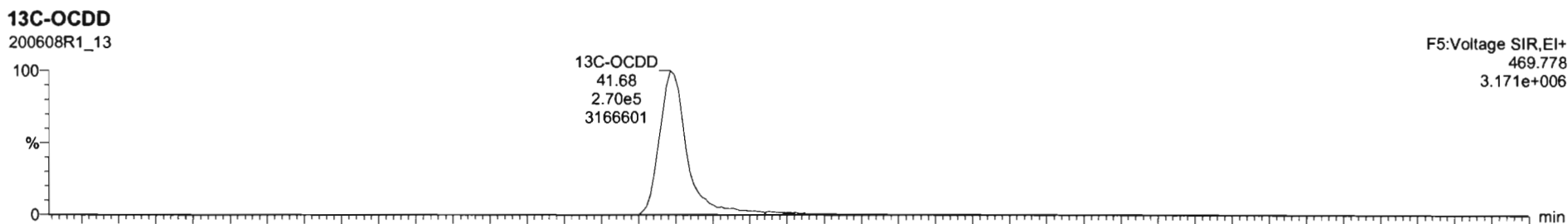
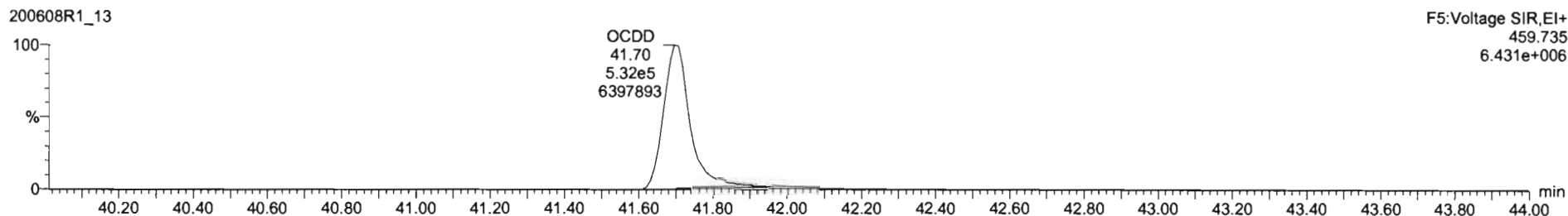
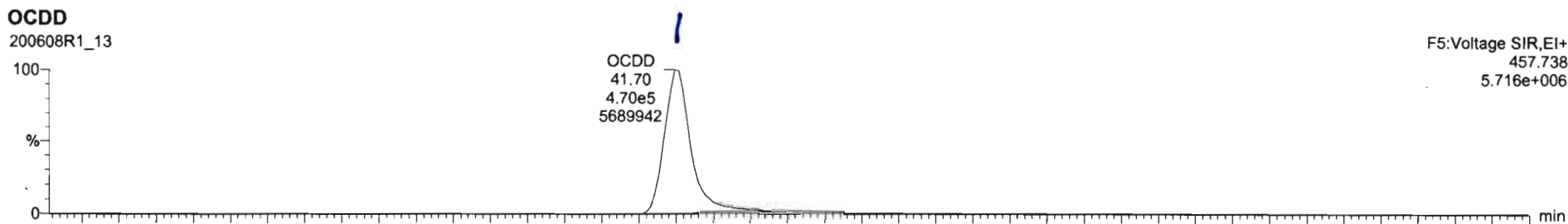
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	5.953e4	5.801e4	1.03	NO	77.998	77.998
2 1,2,3,4,6,7,8-HpCDD	38.72	4.408e4	4.247e4	1.04	NO	57.443	57.443



Dataset: Untitled

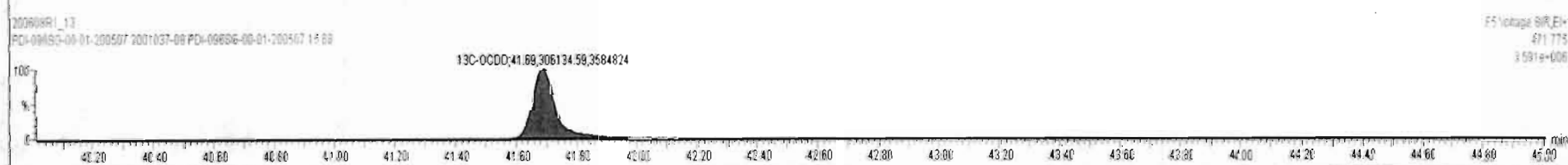
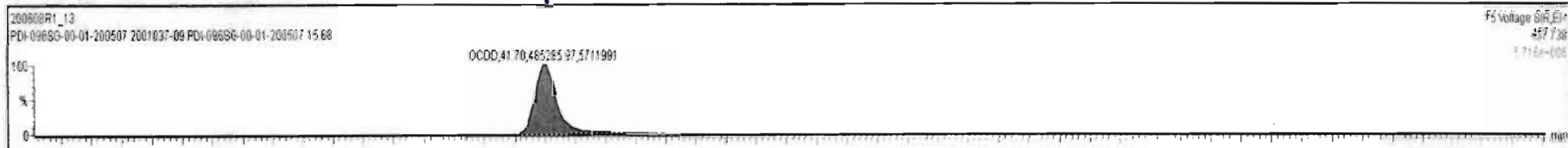
Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507



Name	Resp	RA	n/y	RF	wtAvl	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	1.03e6	0.88	NO	0.9136	10.091	41.70	1.000	779		0.935	779
8 2,3,7,8-TCDF	1.44e5	0.75	NO	0.7510	10.091	25.57	1.001	36.4		0.146	36.4
9 1,2,3,7,8-PeCDF	1.89e5	1.54	NO	0.8925	10.091	30.15	1.000	47.5		0.213	47.5
10 2,3,4,7,8-PeCDF	9.46e4	1.53	NO	0.9348	10.091	31.13	1.000	23.5		0.191	23.5
11 1,2,3,4,7,8-HxCDF	2.24e5	1.21	NO	0.8845	10.091	33.93	1.000	90.4		0.343	90.4

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



Dataset: Untitled

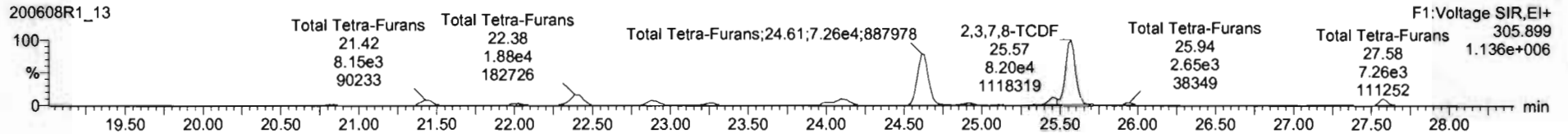
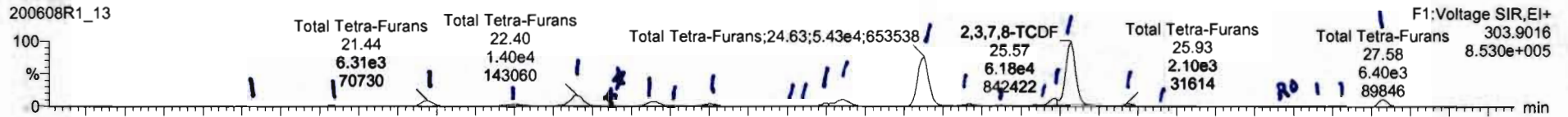
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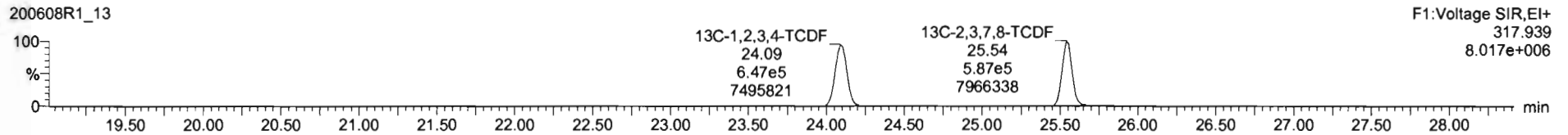
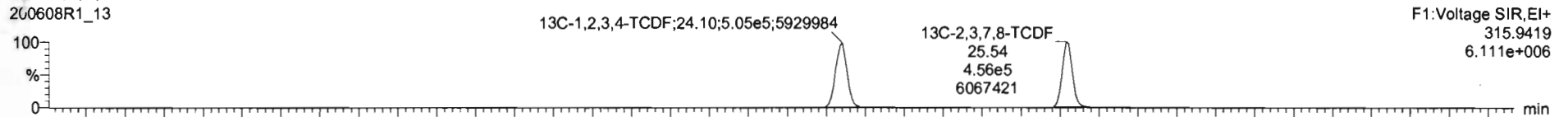
** WJ 06-11-2020*

Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

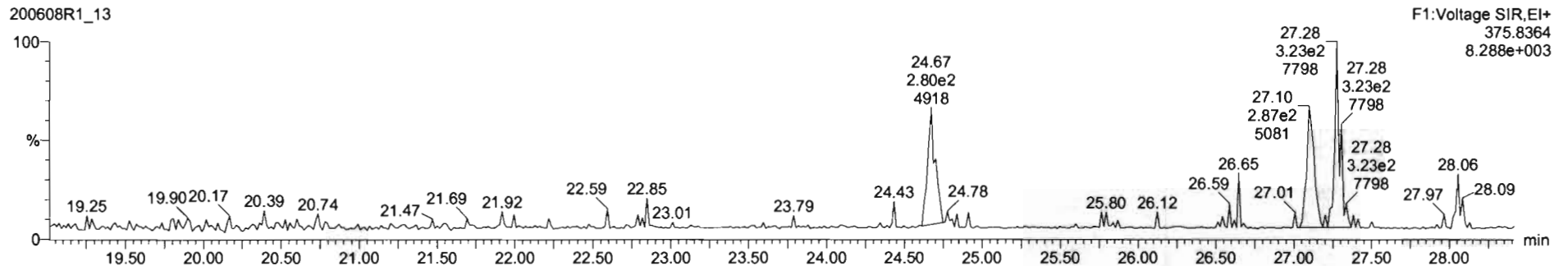
2,3,7,8-TCDF



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

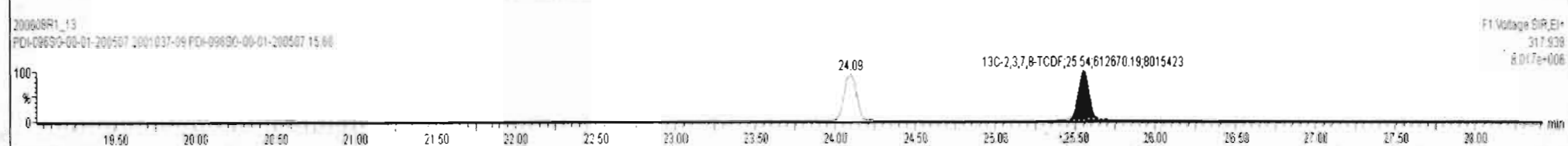
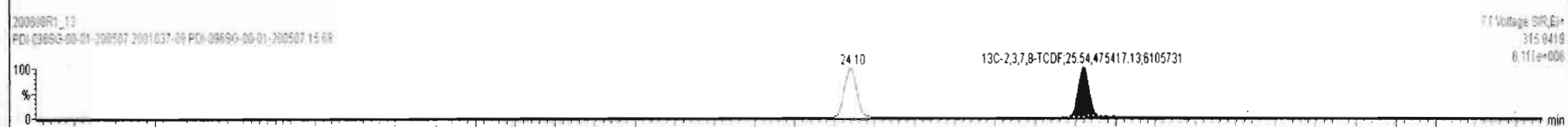
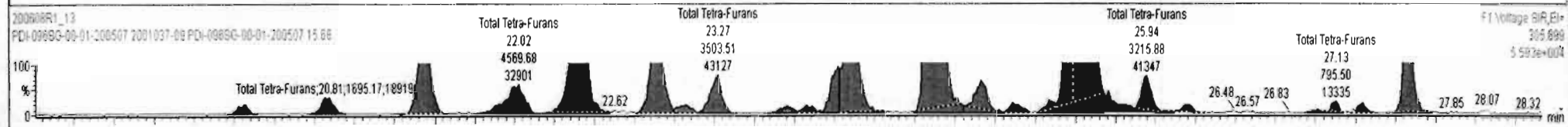


DPE1



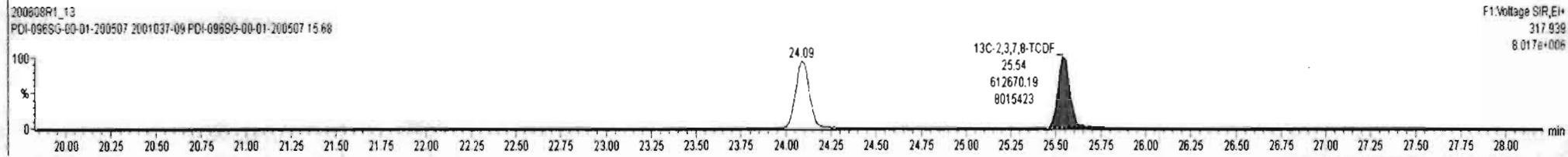
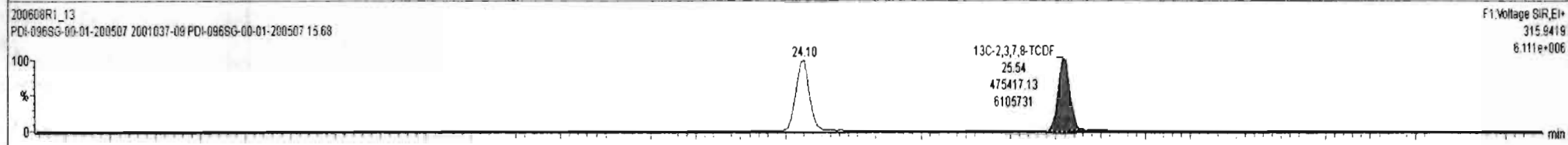
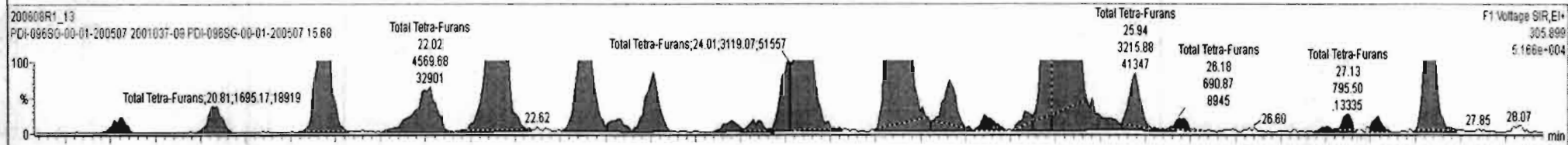
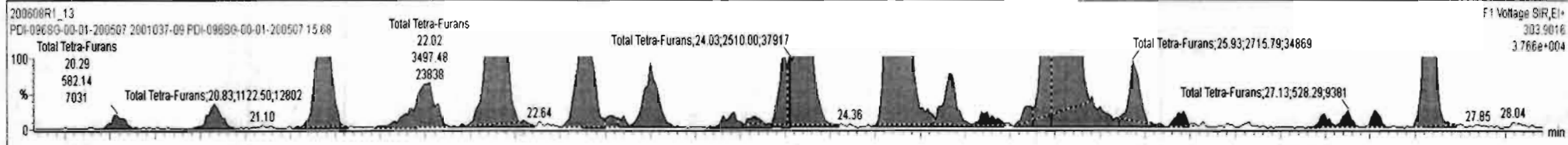
Name	Resp	RA	n/y	RFF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.091			107		0.145	107

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.29	5.821e2	8.838e2	0.66	NO	0.35557	0.35557
2 Total Tetra-Furans	20.83	1.123e3	1.695e3	0.66	NO	0.68345	0.68345
3 Total Tetra-Furans	21.44	6.541e3	8.304e3	0.79	NO	3.6006	3.6006
4 Total Tetra-Furans	22.02	3.497e3	4.570e3	0.77	NO	1.9568	1.9568
5 Total Tetra-Furans	22.40	1.483e4	1.934e4	0.77	NO	8.2882	8.2882
6 Total Tetra-Furans	22.89	5.983e3	7.903e3	0.76	NO	3.3682	3.3682
7 Total Tetra-Furans	23.03	6.321e2	8.297e2	0.76	NO	0.35456	0.35456
8 Total Tetra-Furans	23.25	2.920e3	3.504e3	0.83	NO	1.5580	1.5580
9 Total Tetra-Furans	23.71	6.018e2	6.897e2	0.87	NO	0.31327	0.31327
10 Total Tetra-Furans	23.82	6.042e2	7.438e2	0.81	NO	0.32697	0.32697
11 Total Tetra-Furans	24.03	2.510e3	3.119e3	0.80	NO	1.3654	1.3654
12 Total Tetra-Furans	24.10	8.942e3	1.168e4	0.77	NO	5.0021	5.0021
13 Total Tetra-Furans	24.63	5.476e4	7.450e4	0.74	NO	31.354	31.354
14 Total Tetra-Furans	24.81	2.519e3	3.471e3	0.73	NO	1.4530	1.4530
15 Total Tetra-Furans	25.12	7.409e2	8.760e2	0.85	NO	0.39220	0.39220
16 Total Tetra-Furans	25.35	7.217e2	9.384e2	0.77	NO	0.40268	0.40268
17 Total Tetra-Furans	25.47	5.794e3	7.802e3	0.74	NO	3.2978	3.2978
18 2,3,7,8-TCDF	25.57	6.526e4	8.734e4	0.75	NO	37.012	37.012
19 Total Tetra-Furans	25.83	2.716e3	3.216e3	0.84	NO	1.4388	1.4388
20 Total Tetra-Furans	26.21	5.912e2	6.909e2	0.86	NO	0.31098	0.31098
21 Total Tetra-Furans	26.99	4.241e2	2.624e2	1.62	YES	0.11266	0.00000
22 Total Tetra-Furans	27.13	5.783e2	7.955e2	0.66	NO	0.32110	0.32110



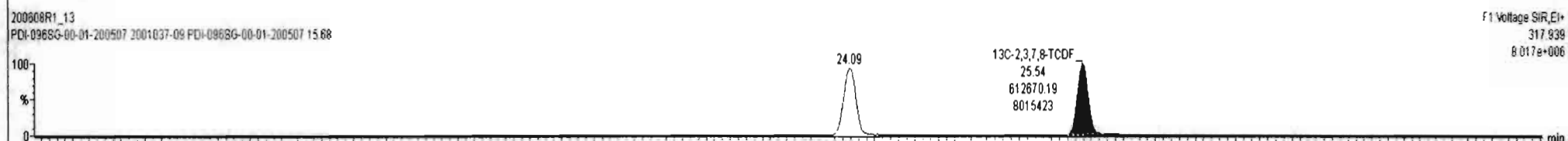
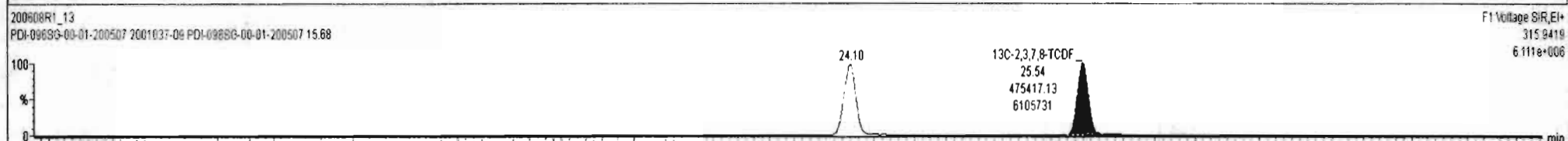
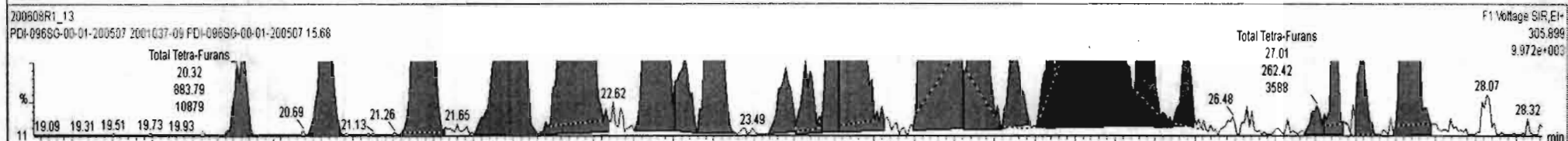
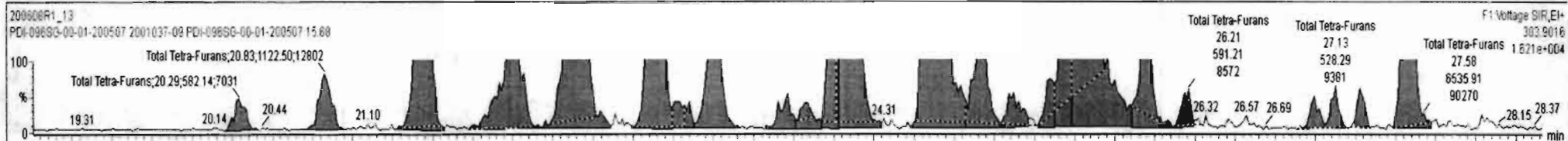
Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.091			107		0.145	107
44 1st Func. Penta-Furans				0.8925	10.091			8.52		0.0379	8.52

Name	RT	m1 Resp	m2 Resp	RA	nHy	EMPC	Conc.
1 Total Tetra-Furans	20.29	5.821e2	8.838e2	0.66	NO	0.35557	0.35557
2 Total Tetra-Furans	20.83	1.123e3	1.695e3	0.66	NO	0.68345	0.68345
3 Total Tetra-Furans	21.44	6.541e3	8.304e3	0.79	NO	3.6006	3.6006
4 Total Tetra-Furans	22.02	3.497e3	4.570e3	0.77	NO	1.9568	1.9568
5 Total Tetra-Furans	22.40	1.463e4	1.934e4	0.77	NO	8.2682	8.2682
6 Total Tetra-Furans	22.89	5.983e3	8.017e3	0.75	NO	3.3957	3.3957
7 Total Tetra-Furans	23.03	6.506e2	7.727e2	0.84	NO	0.34524	0.34524
8 Total Tetra-Furans	23.25	2.920e3	3.504e3	0.83	NO	1.5580	1.5580
9 Total Tetra-Furans	23.71	6.018e2	6.897e2	0.87	NO	0.31327	0.31327
10 Total Tetra-Furans	23.82	6.042e2	7.436e2	0.81	NO	0.32697	0.32697
11 Total Tetra-Furans	24.03	2.510e3	3.119e3	0.80	NO	1.3654	1.3654
12 Total Tetra-Furans	24.10	8.942e3	1.168e4	0.77	NO	5.0021	5.0021
13 Total Tetra-Furans	24.63	5.476e4	7.450e4	0.74	NO	31.354	31.354
14 Total Tetra-Furans	24.91	2.519e3	3.471e3	0.73	NO	1.4530	1.4530
15 Total Tetra-Furans	25.12	7.409e2	8.760e2	0.85	NO	0.39220	0.39220
16 Total Tetra-Furans	25.35	7.217e2	9.384e2	0.77	NO	0.40268	0.40268



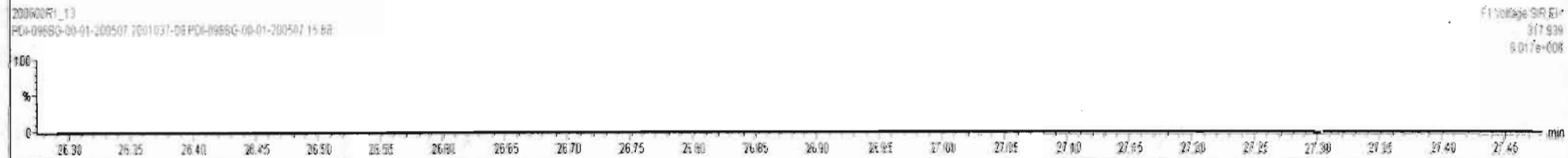
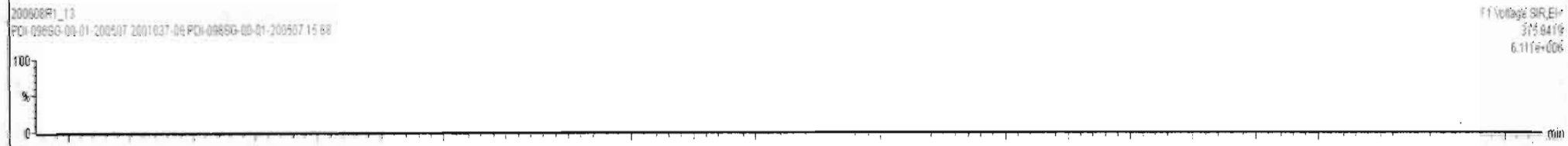
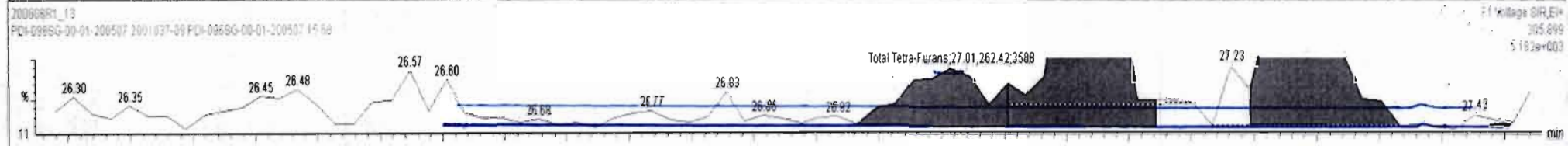
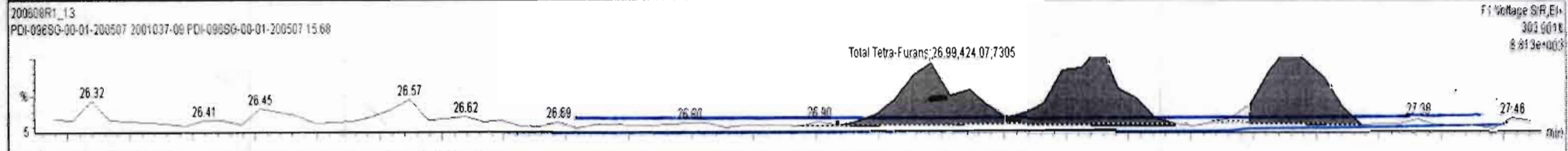
Name	Resp	RA	n/y	RF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.091			107		0.145	107
44 1st Func. Penta-Furans				0.8825	10.091			8.52		0.0379	8.52

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.29	5.821e2	8.838e2	0.66	NO	0.35557	0.35557
2 Total Tetra-Furans	20.83	1.123e3	1.695e3	0.66	NO	0.68345	0.68345
3 Total Tetra-Furans	21.44	6.541e3	8.304e3	0.79	NO	3.6006	3.6006
4 Total Tetra-Furans	22.02	3.497e3	4.570e3	0.77	NO	1.9568	1.9568
5 Total Tetra-Furans	22.40	1.483e4	1.934e4	0.77	NO	8.2882	8.2882
6 Total Tetra-Furans	22.89	5.983e3	8.017e3	0.75	NO	3.3957	3.3957
7 Total Tetra-Furans	23.03	6.506e2	7.727e2	0.84	NO	0.34524	0.34524
8 Total Tetra-Furans	23.25	2.920e3	3.504e3	0.83	NO	1.5580	1.5580
9 Total Tetra-Furans	23.71	6.018e2	6.897e2	0.87	NO	0.31327	0.31327
10 Total Tetra-Furans	23.82	6.042e2	7.438e2	0.81	NO	0.32697	0.32697
11 Total Tetra-Furans	24.03	2.510e3	3.119e3	0.80	NO	1.3654	1.3654
12 Total Tetra-Furans	24.10	8.942e3	1.168e4	0.77	NO	5.0021	5.0021
13 Total Tetra-Furans	24.83	5.476e4	7.450e4	0.74	NO	31.354	31.354
14 Total Tetra-Furans	24.91	2.519e3	3.471e3	0.73	NO	1.4530	1.4530
15 Total Tetra-Furans	25.12	7.409e2	8.760e2	0.85	NO	0.39220	0.39220
16 Total Tetra-Furans	25.35	7.217e2	9.384e2	0.77	NO	0.40268	0.40268



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.091			107		0.145	107
44 1st Func. Penta-Furans				0.8925	10.091			8.52		0.0379	8.52

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	20.29	5.821e2	8.838e2	0.66	NO	0.35557	0.35557
2 Total Tetra-Furans	20.83	1.123e3	1.695e3	0.66	NO	0.68345	0.68345
3 Total Tetra-Furans	21.44	6.541e3	8.304e3	0.79	NO	3.6006	3.6006
4 Total Tetra-Furans	22.02	3.497e3	4.570e3	0.77	NO	1.9568	1.9568
5 Total Tetra-Furans	22.40	1.483e4	1.934e4	0.77	NO	8.2882	8.2882
6 Total Tetra-Furans	22.89	5.983e3	8.017e3	0.75	NO	3.3957	3.3957
7 Total Tetra-Furans	23.03	6.506e2	7.727e2	0.84	NO	0.34524	0.34524
8 Total Tetra-Furans	23.25	2.920e3	3.504e3	0.83	NO	1.5580	1.5580
9 Total Tetra-Furans	23.71	6.018e2	6.897e2	0.87	NO	0.31327	0.31327
10 Total Tetra-Furans	23.82	6.042e2	7.439e2	0.81	NO	0.32697	0.32697
11 Total Tetra-Furans	24.03	2.510e3	3.119e3	0.80	NO	1.3654	1.3654
12 Total Tetra-Furans	24.10	8.942e3	1.168e4	0.77	NO	5.0021	5.0021
13 Total Tetra-Furans	24.63	5.476e4	7.450e4	0.74	NO	31.354	31.354
14 Total Tetra-Furans	24.91	2.519e3	3.471e3	0.73	NO	1.4530	1.4530
15 Total Tetra-Furans	25.12	7.409e2	8.760e2	0.85	NO	0.39220	0.39220
16 Total Tetra-Furans	25.35	7.217e2	9.384e2	0.77	NO	0.40268	0.40268



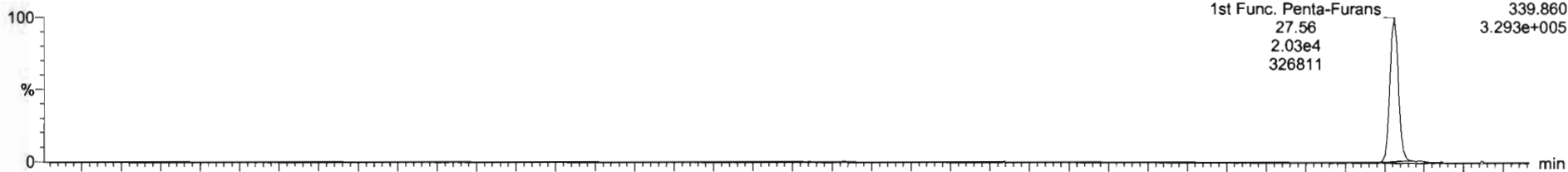
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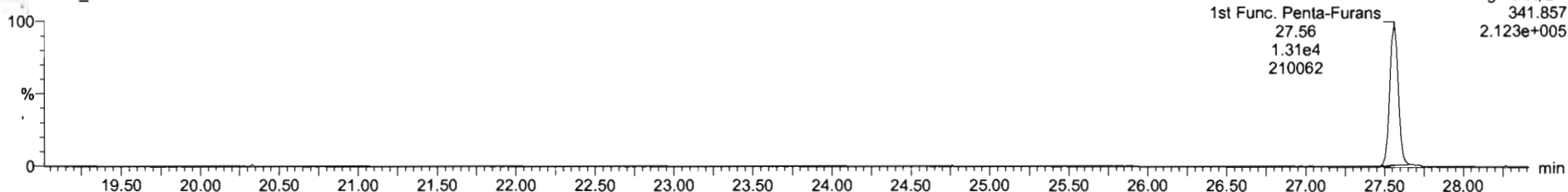
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1st Func. Penta-Furans

200608R1_13

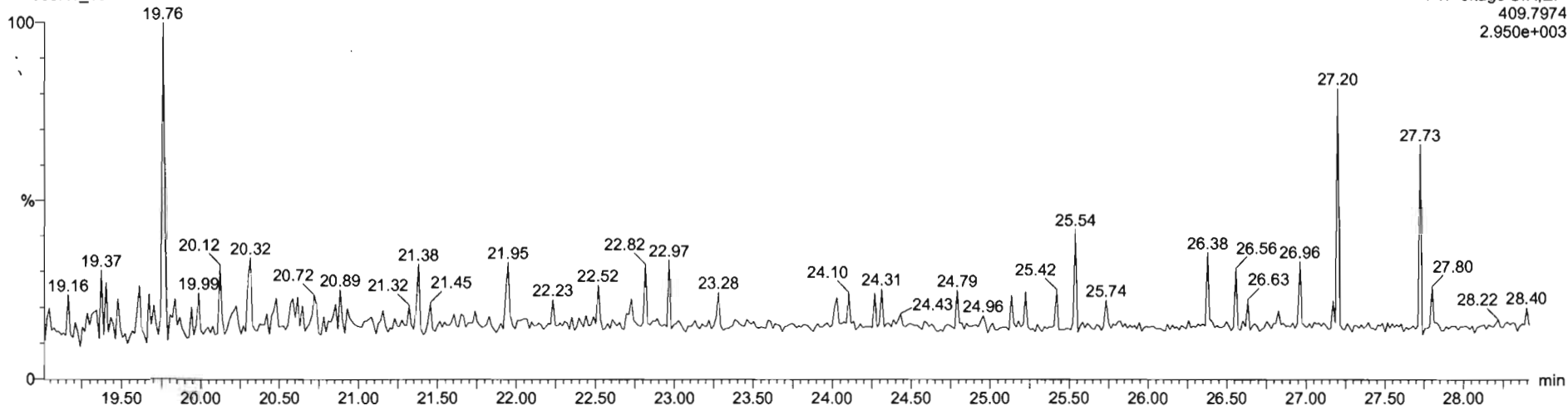


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200608R1_13

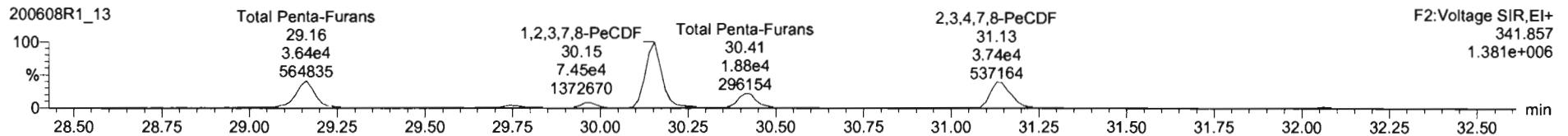
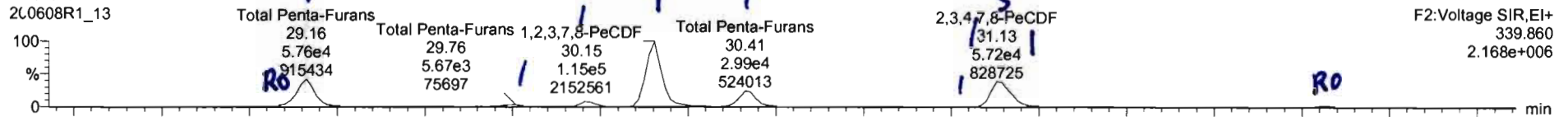


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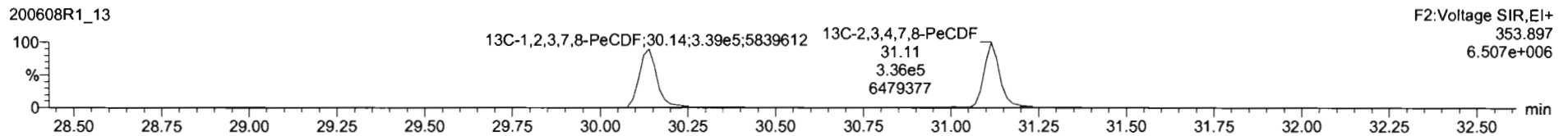
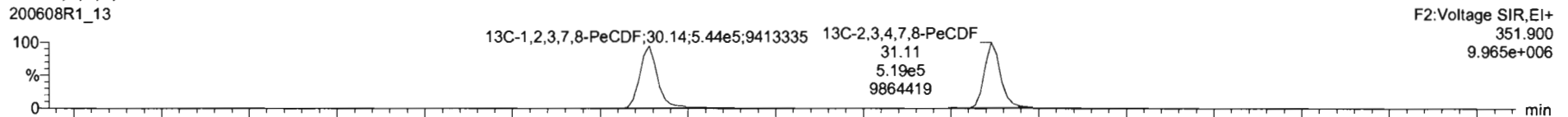
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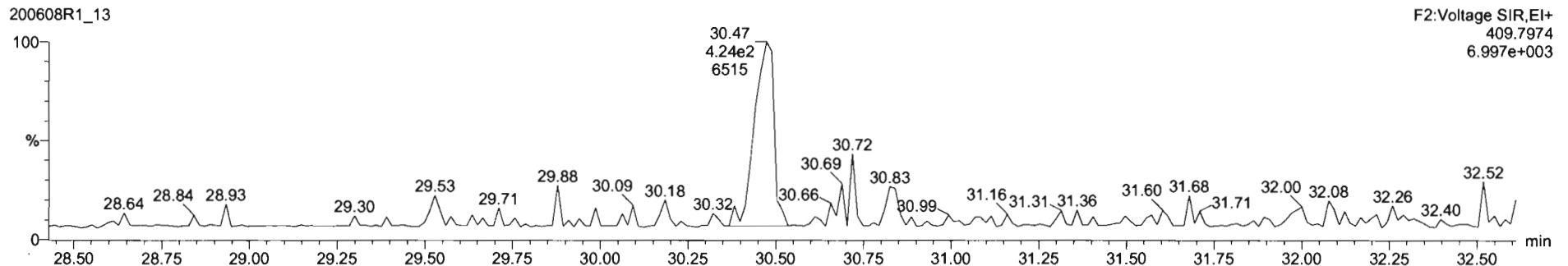
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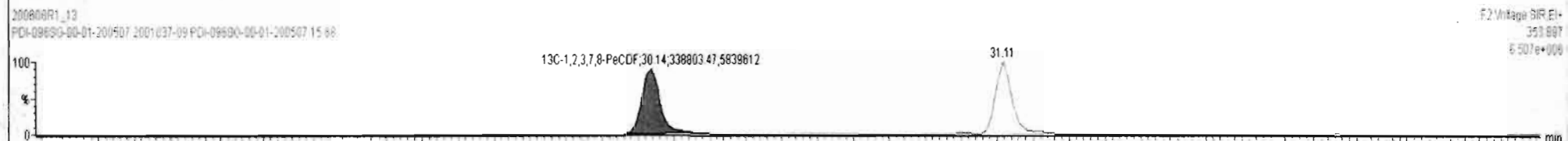
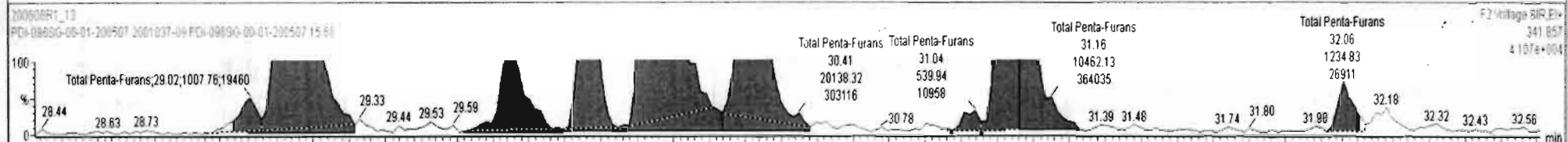
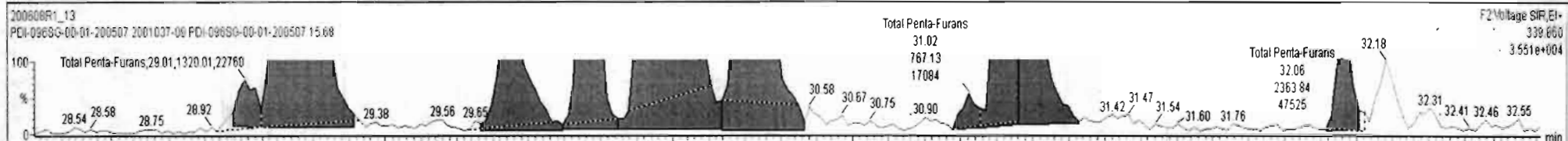


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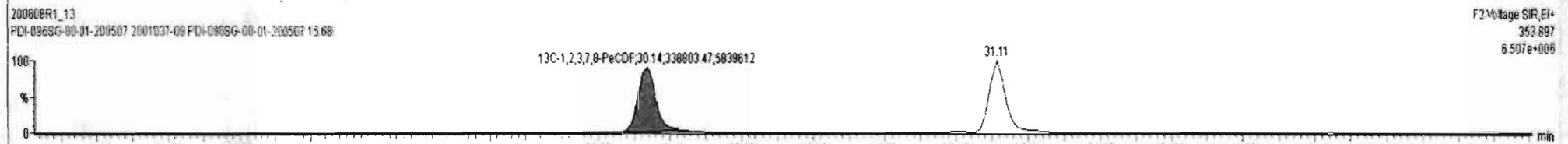
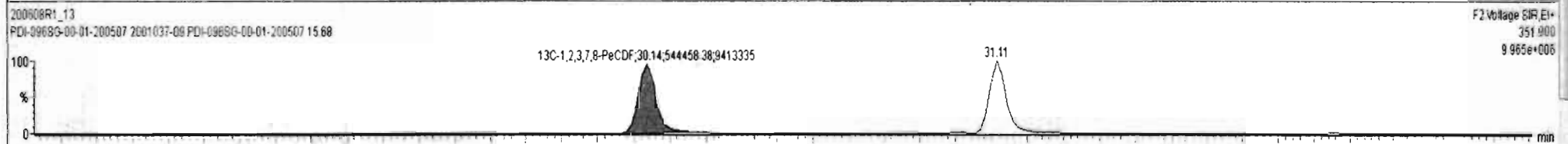
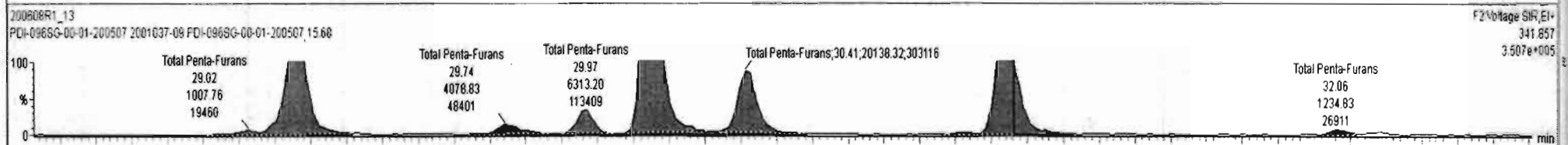
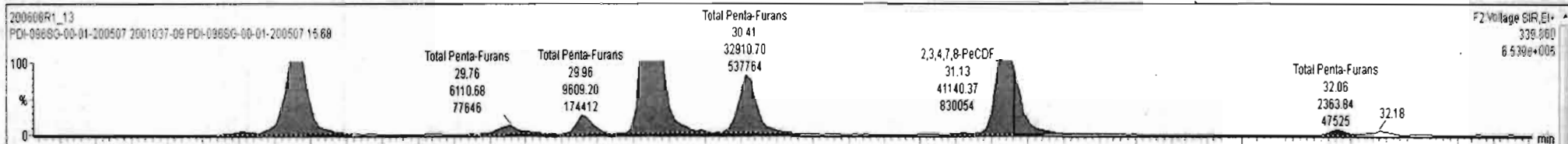
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8525	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			160		0.356	160

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	1.320e3	1.008e3	1.31	YES	0.55487	0.00000
2 Total Penta-Furans	29.16	5.806e4	3.710e4	1.57	NO	24.312	24.312
3 Total Penta-Furans	29.76	6.111e3	4.079e3	1.50	NO	2.8035	2.8035
4 Total Penta-Furans	29.96	9.609e3	6.313e3	1.52	NO	4.0683	4.0683
5 1,2,3,7,8-PeCDF	30.15	1.188e5	7.677e4	1.55	NO	49.158	49.158
6 Total Penta-Furans	30.41	3.291e4	2.014e4	1.63	NO	13.554	13.554
7 Total Penta-Furans	31.02	7.671e2	5.399e2	1.42	NO	0.33397	0.33397
8 2,3,4,7,8-PeCDF	31.13	4.114e4	2.694e4	1.53	NO	16.885	16.885
9 Total Penta-Furans	31.16	1.660e4	1.046e4	1.59	NO	6.9158	6.9158
10 Total Penta-Furans	32.06	2.364e3	1.235e3	1.91	YES	0.80455	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			160		0.356	160

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	1.320e3	1.008e3	1.31	YES	0.55487	0.00000
2 Total Penta-Furans	29.16	5.806e4	3.710e4	1.57	NO	24.312	24.312
3 Total Penta-Furans	29.76	6.111e3	4.079e3	1.50	NO	2.6035	2.6035
4 Total Penta-Furans	29.96	9.609e3	6.313e3	1.52	NO	4.0683	4.0683
5 1,2,3,7,8-PeCDF	30.15	1.188e5	7.677e4	1.55	NO	49.158	49.158
6 Total Penta-Furans	30.41	3.291e4	2.014e4	1.63	NO	13.554	13.554
7 Total Penta-Furans	31.02	7.671e2	5.399e2	1.42	NO	0.33397	0.33397
8 2,3,4,7,8-PeCDF	31.13	4.114e4	2.694e4	1.53	NO	16.885	16.885
9 Total Penta-Furans	31.16	1.660e4	1.046e4	1.59	NO	6.9158	6.9158
10 Total Penta-Furans	32.06	2.364e3	1.235e3	1.91	YES	0.80455	0.00000

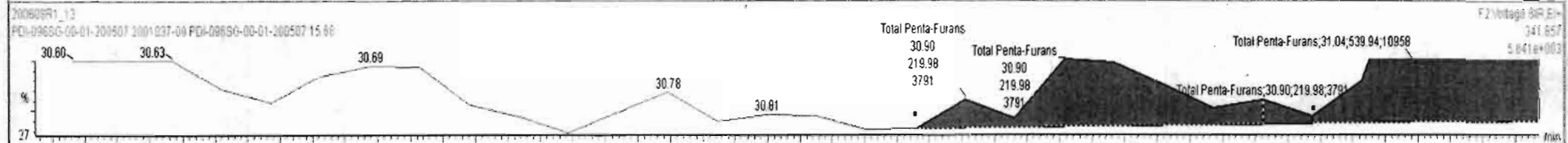
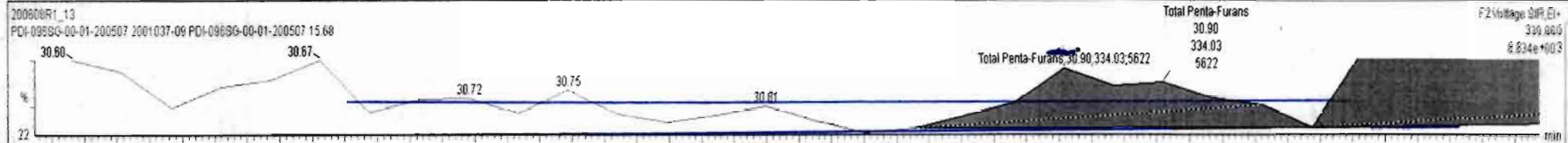




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Name	Resp	RA	n/y	RRF	wtAve	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			160		0.356	160

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	1.320e3	1.009e3	1.31	YES	0.55487	0.00000
2 Total Penta-Furans	29.16	5.806e4	3.710e4	1.57	NO	24.312	24.312
3 Total Penta-Furans	29.76	6.111e3	4.079e3	1.50	NO	2.6035	2.6035
4 Total Penta-Furans	29.96	9.809e3	6.313e3	1.52	NO	4.0683	4.0683
5 1,2,3,7,8-PeCDF	30.15	1.188e5	7.677e4	1.55	NO	49.158	49.158
6 Total Penta-Furans	30.41	3.291e4	2.014e4	1.63	NO	13.554	13.554
7 Total Penta-Furans	30.90	3.340e2	2.200e2	1.52	NO	0.14156	0.14156
8 Total Penta-Furans	31.02	7.571e2	5.399e2	1.42	NO	0.33397	0.33397
9 2,3,4,7,8-PeCDF	31.13	4.114e4	2.894e4	1.53	NO	16.685	16.685
10 Total Penta-Furans	31.16	1.680e4	1.046e4	1.59	NO	6.9158	6.9158
11 Total Penta-Furans	32.06	2.364e3	1.235e3	1.91	YES	0.80455	0.00000

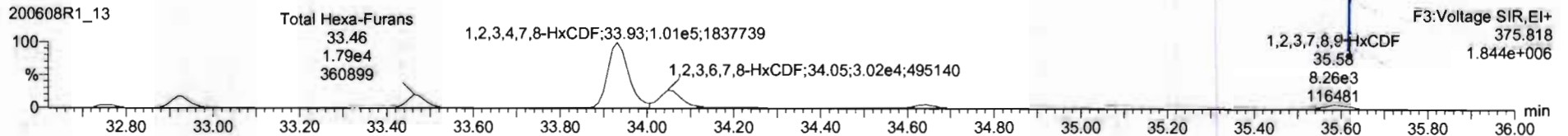
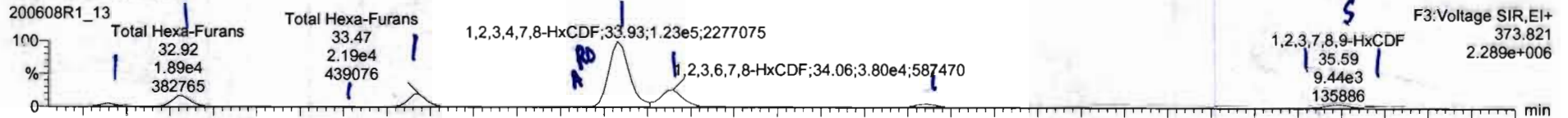


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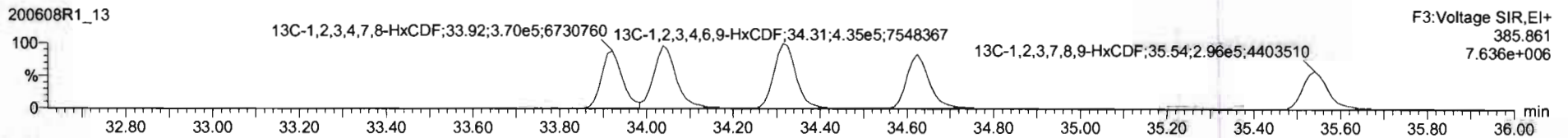
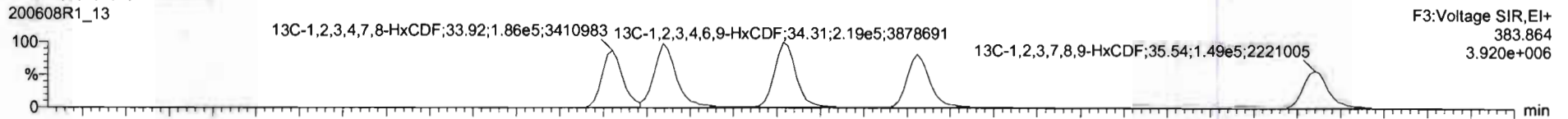
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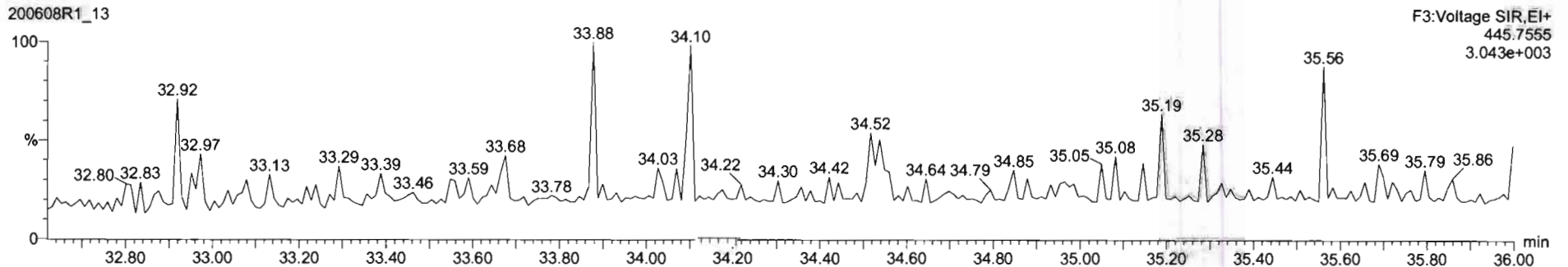
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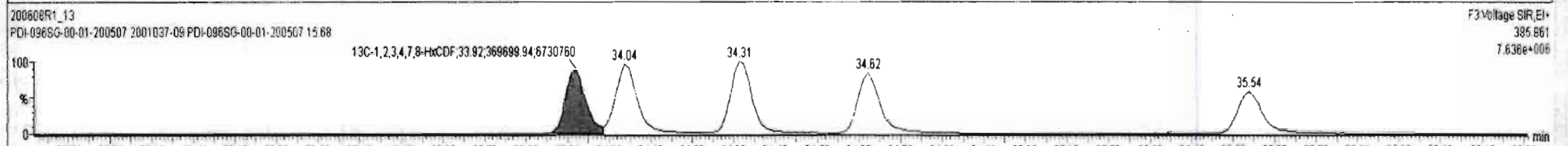
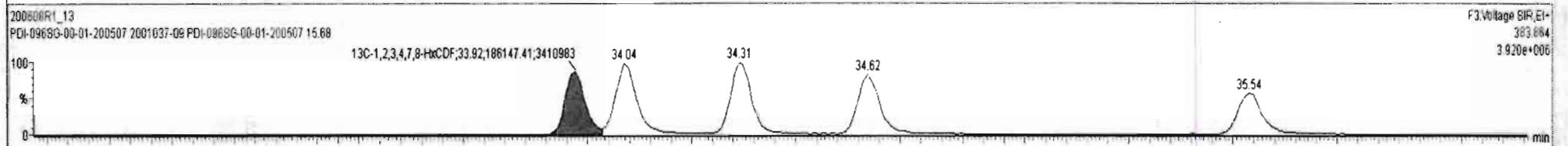
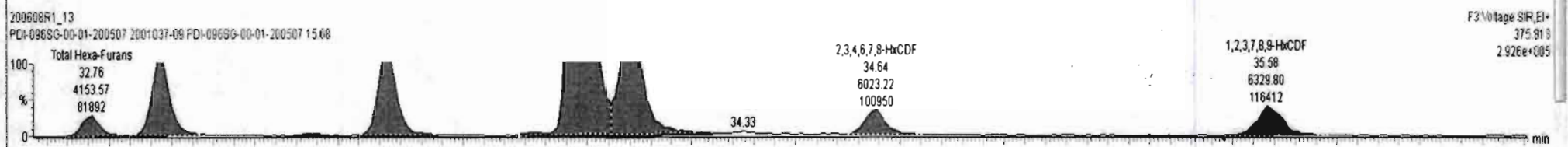
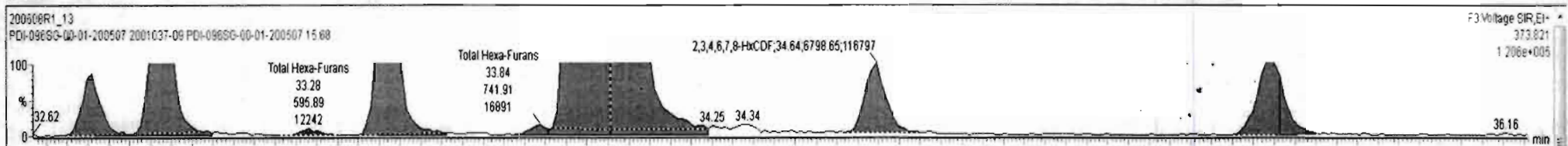
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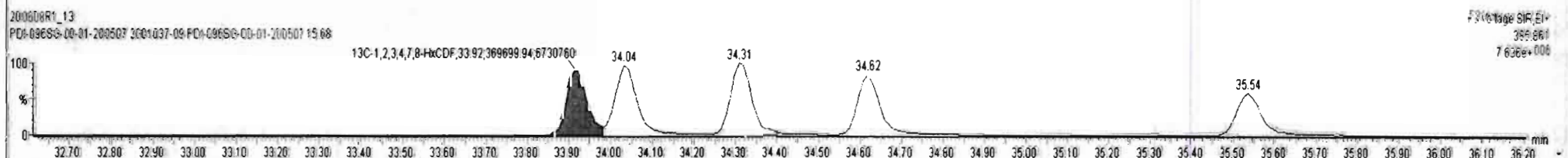
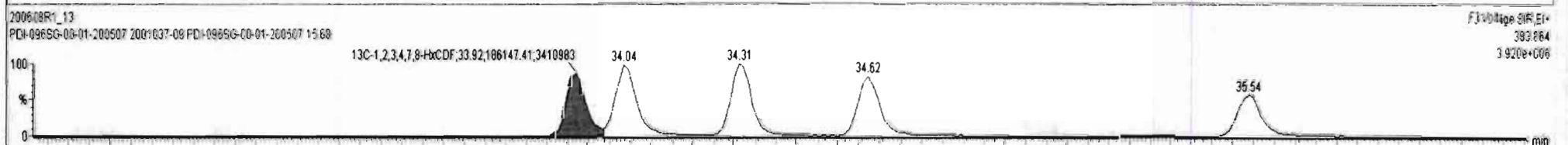
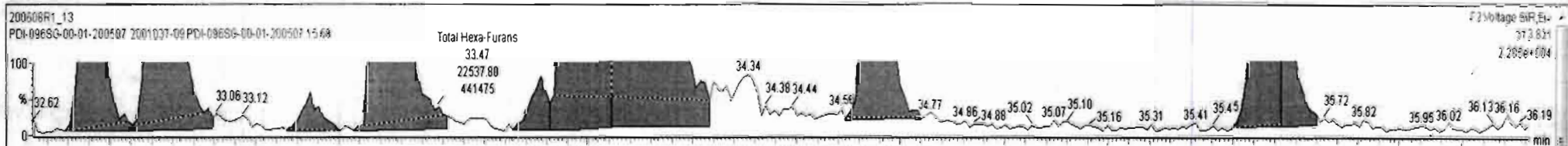
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			162		0.356	163

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	5.232e3	4.154e3	1.26	NO	3.5783	3.5783
2 Total Hexa-Furans	32.92	1.960e4	1.609e4	1.22	NO	13.607	13.607
3 Total Hexa-Furans	33.28	5.959e2	4.252e2	1.41	NO	0.38854	0.38854
4 Total Hexa-Furans	33.47	2.254e4	1.820e4	1.24	NO	15.532	15.532
5 Total Hexa-Furans	33.84	7.419e2	7.674e2	0.97	YES	0.51096	0.00000
6 1,2,3,4,7,8-HxCDF	33.93	1.246e5	1.020e5	1.22	NO	91.337	91.337
7 1,2,3,6,7,8-HxCDF	34.06	4.008e4	3.235e4	1.24	NO	24.537	24.537
8 2,3,4,6,7,8-HxCDF	34.64	6.798e3	6.023e3	1.13	NO	4.7998	4.7998
9 1,2,3,7,8,9-HxCDF	35.58	7.252e3	6.330e3	1.15	NO	6.9402	6.9402
10 Total Hexa-Furans	35.61	2.256e3	1.874e3	1.20	NO	1.5744	1.5744



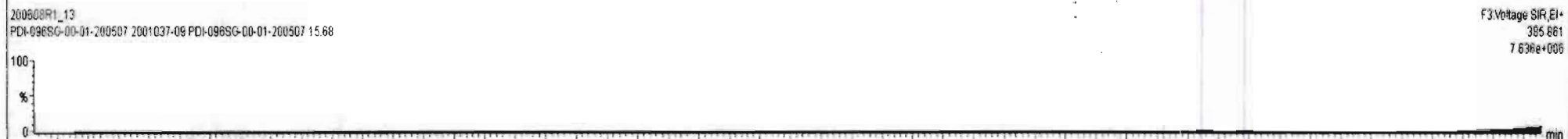
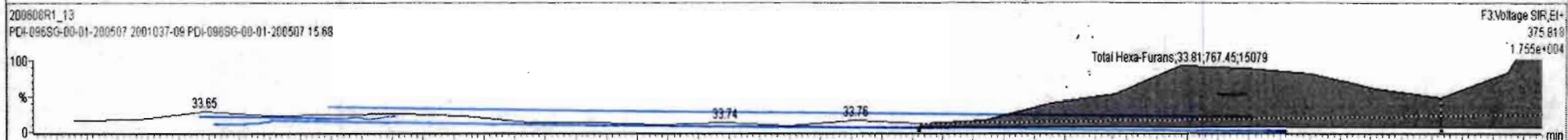
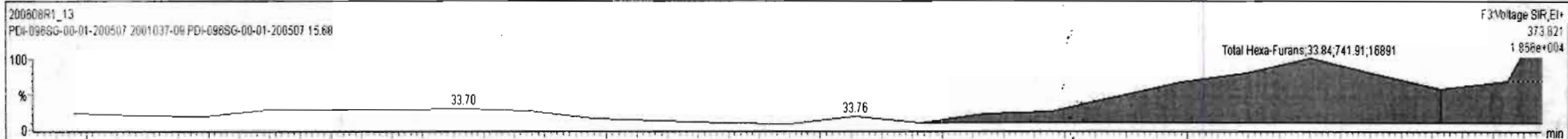
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8825	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			162		0.396	163

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	5.232e3	4.154e3	1.26	NO	3.5783	3.5783
2 Total Hexa-Furans	32.92	1.960e4	1.609e4	1.22	NO	13.607	13.607
3 Total Hexa-Furans	33.28	5.959e2	4.232e2	1.41	NO	0.38854	0.38854
4 Total Hexa-Furans	33.47	2.254e4	1.820e4	1.24	NO	15.532	15.532
5 Total Hexa-Furans	33.84	7.419e2	7.674e2	0.97	YES	0.51096	0.00000
6 1,2,3,4,7,8-HxCDF	33.83	1.246e5	1.020e5	1.22	NO	91.337	91.337
7 1,2,3,6,7,8-HxCDF	34.06	4.009e4	3.235e4	1.24	NO	24.537	24.537
8 2,3,4,6,7,8-HxCDF	34.64	6.799e3	6.023e3	1.13	NO	4.7998	4.7998
9 1,2,3,7,8,9-HxCDF	35.59	7.252e3	6.330e3	1.15	NO	6.9402	6.9402
10 Total Hexa-Furans	35.61	2.256e3	1.874e3	1.20	NO	1.5744	1.5744



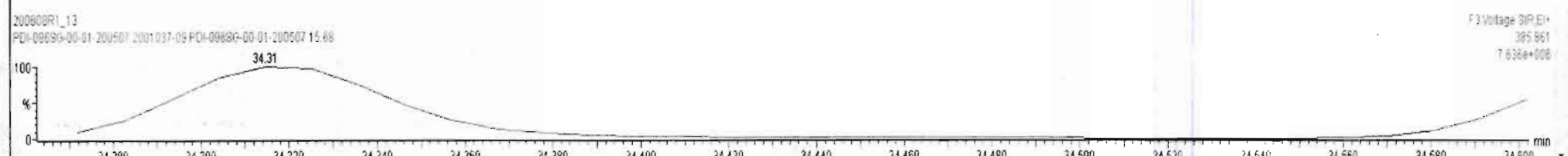
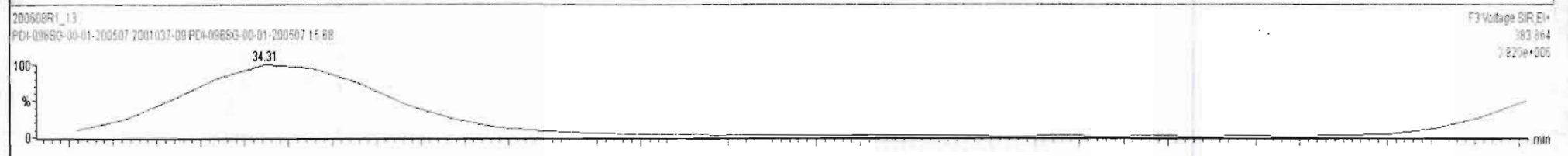
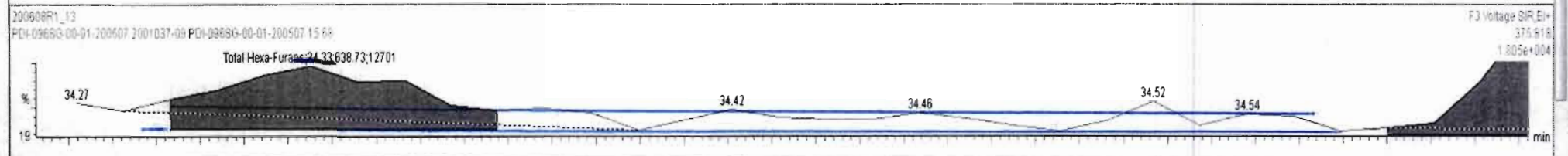
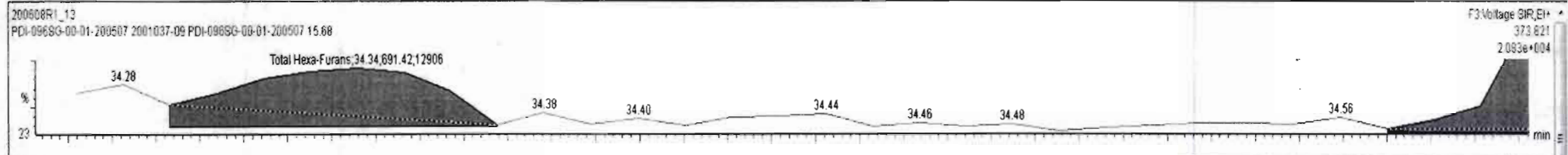
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			162		0.356	163

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	5.232e3	4.154e3	1.26	NO	3.5783	3.5783
2 Total Hexa-Furans	32.92	1.960e4	1.609e4	1.22	NO	13.607	13.607
3 Total Hexa-Furans	33.28	5.959e2	4.232e2	1.41	NO	0.38854	0.38854
4 Total Hexa-Furans	33.47	2.254e4	1.820e4	1.24	NO	15.532	15.532
5 Total Hexa-Furans	33.84	7.419e2	7.674e2	0.97	YES	0.51096	0.00000
6 1,2,3,4,7,8-HxCDF	33.93	1.246e5	1.020e5	1.22	NO	91.337	91.337
7 1,2,3,6,7,8-HxCDF	34.06	4.009e4	3.235e4	1.24	NO	24.537	24.537
8 2,3,4,6,7,8-HxCDF	34.64	6.799e3	6.023e3	1.13	NO	4.7998	4.7998
9 1,2,3,7,8,9-HxCDF	35.59	7.252e3	6.300e3	1.15	NO	6.9402	6.9402
10 Total Hexa-Furans	35.61	2.256e3	1.874e3	1.20	NO	1.5744	1.5744



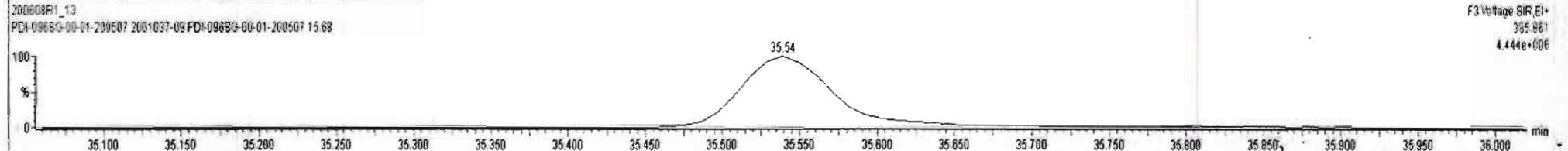
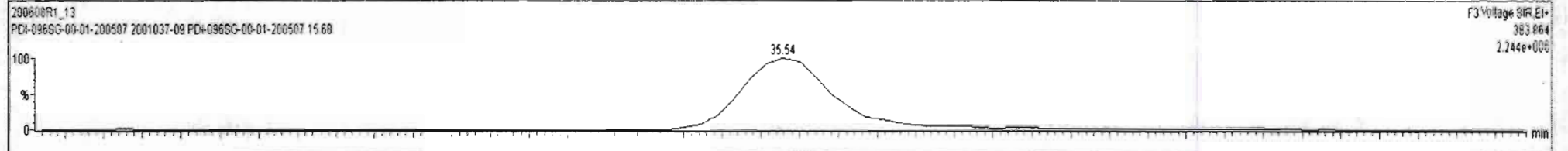
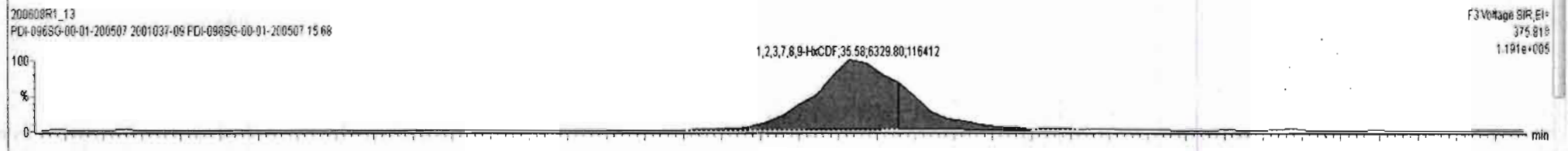
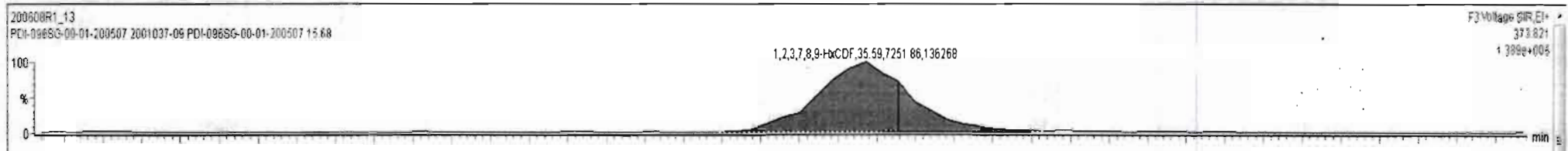
Name	Resp	RA	n/y	RFI	wtAol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.0925	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			163		0.356	163

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	5.232e3	4.154e3	1.26	NO	3.5783	3.5783
2 Total Hexa-Furans	32.92	1.960e4	1.609e4	1.22	NO	13.607	13.607
3 Total Hexa-Furans	33.28	5.959e2	4.232e2	1.41	NO	0.38854	0.38854
4 Total Hexa-Furans	33.47	2.254e4	1.806e4	1.25	NO	15.480	15.480
5 Total Hexa-Furans	33.84	7.419e2	6.144e2	1.21	NO	0.51709	0.00000
6 1,2,3,4,7,8-HxCDF	33.93	1.246e5	1.020e5	1.22	NO	91.337	91.337
7 1,2,3,6,7,8-HxCDF	34.06	3.990e4	3.212e4	1.24	NO	24.394	24.394
8 Total Hexa-Furans	34.34	6.914e2	6.387e2	1.08	NO	0.50712	0.50712
9 2,3,4,6,7,8-HxCDF	34.64	6.799e3	6.023e3	1.13	NO	4.7998	4.7998
10 1,2,3,7,8,9-HxCDF	35.59	7.252e3	6.330e3	1.15	NO	6.9402	6.9402
11 Total Hexa-Furans	35.61	2.256e3	1.874e3	1.20	NO	1.5744	1.5744



Name	Resp	RA	n/y	RF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			159		0.356	159

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	5.001e3	4.078e3	1.23	NO	3.4615	3.4615
2 Total Hexa-Furans	32.92	1.891e4	1.573e4	1.20	NO	13.207	13.207
3 Total Hexa-Furans	33.28	5.775e2	4.232e2	1.36	NO	0.38151	0.38151
4 Total Hexa-Furans	33.47	2.191e4	1.785e4	1.23	NO	15.160	15.160
5 1,2,3,4,7,8-HxCDF	33.93	1.231e5	1.013e5	1.21	NO	90.444	90.444
6 1,2,3,6,7,8-HxCDF	34.06	3.802e4	3.022e4	1.26	NO	23.119	23.119
7 Total Hexa-Furans	34.34	5.120e2	5.725e2	0.89	YES	0.35259	0.00000
8 2,3,4,6,7,8-HxCDF	34.65	6.730e3	5.860e3	1.15	NO	4.7130	4.7130
9 1,2,3,7,8,9-HxCDF	35.59	7.252e3	6.330e3	1.15	NO	6.9402	6.9402
10 Total Hexa-Furans	35.61	2.256e3	1.874e3	1.20	NO	1.5744	1.5744



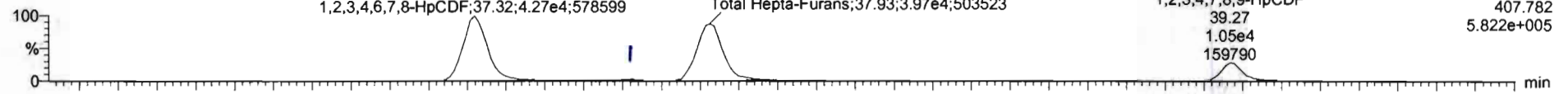
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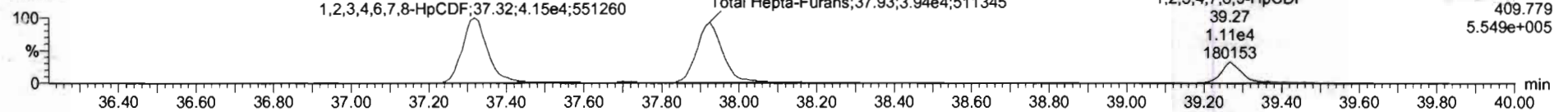
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200608R1_13

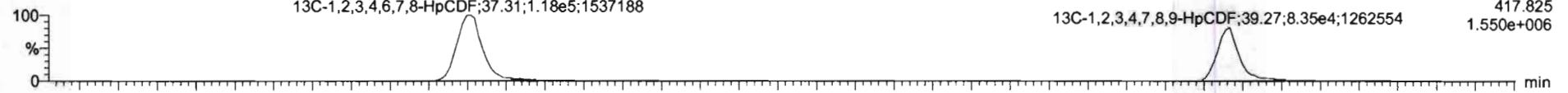


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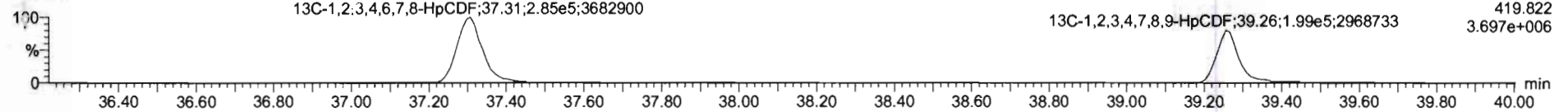


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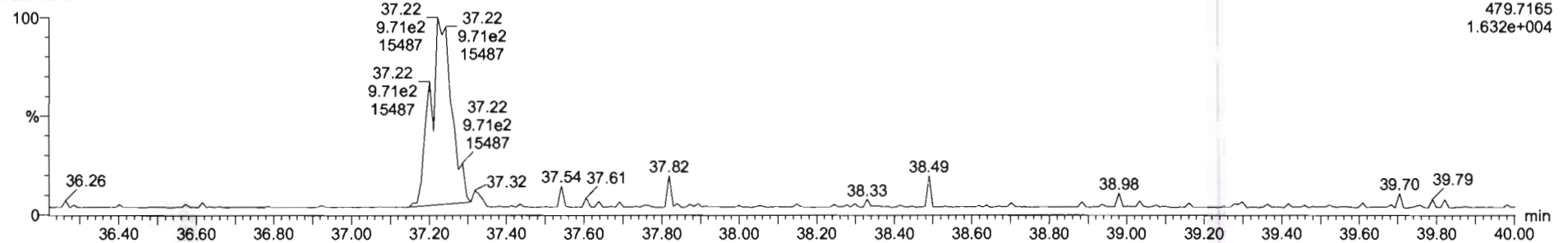


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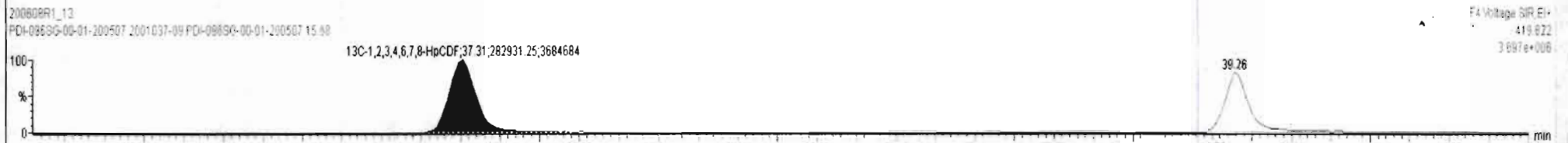
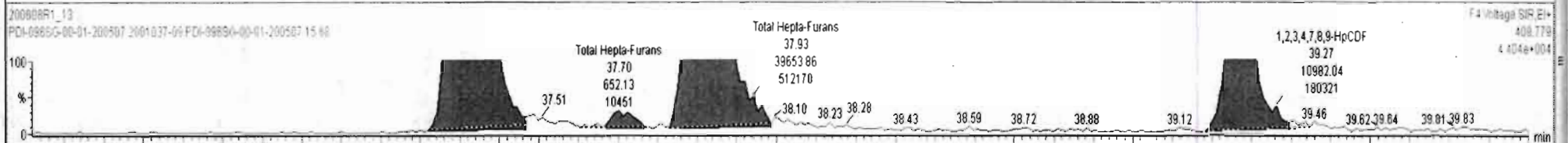
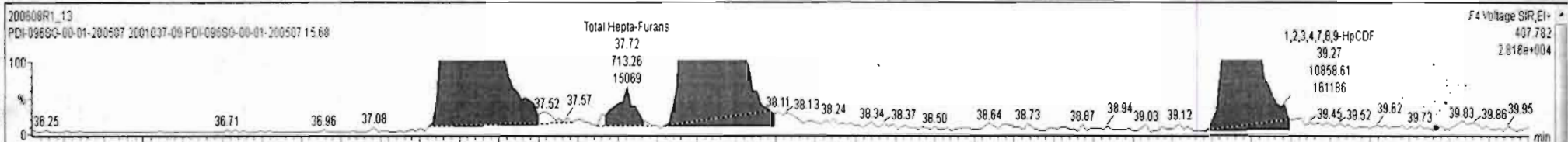
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200608R1_13



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.091			118		0.206	119
46 Total Hexa-Furans				0.9341	10.091			162		0.356	163

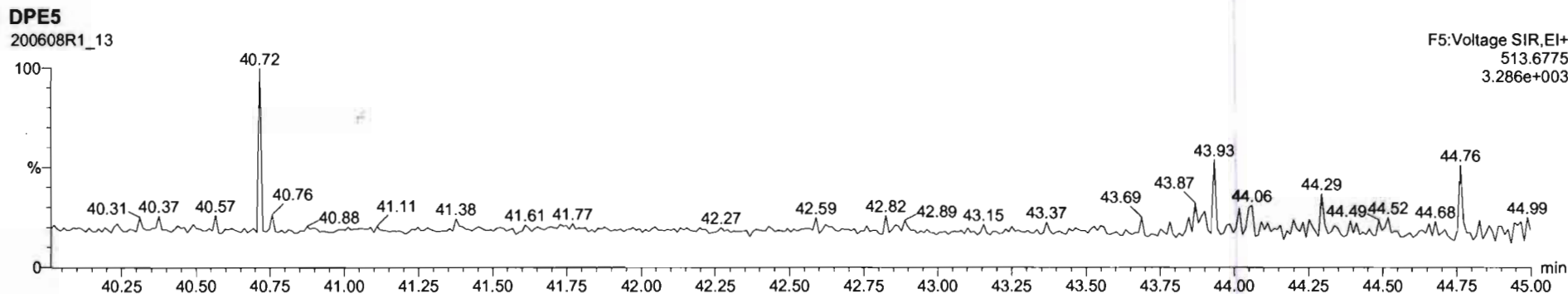
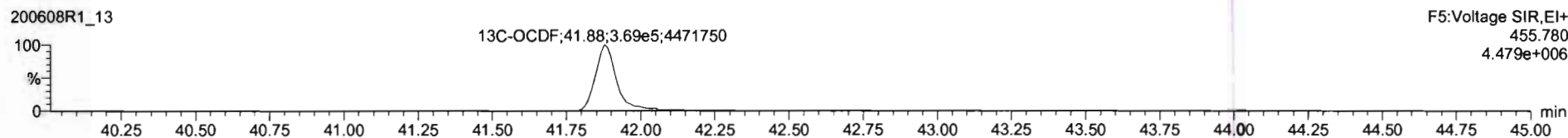
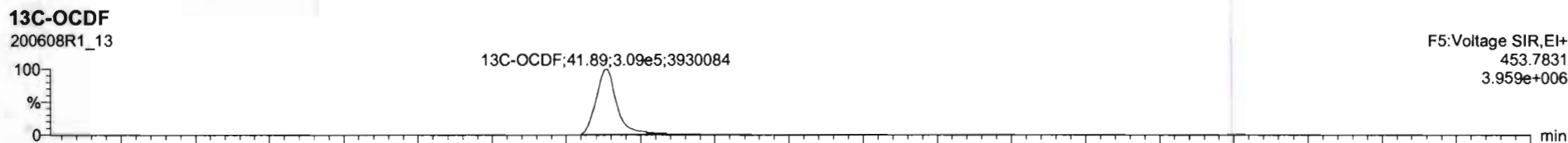
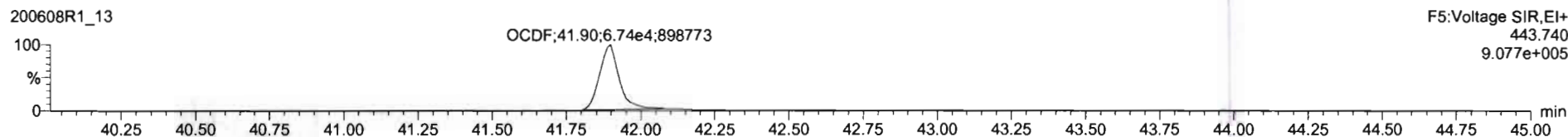
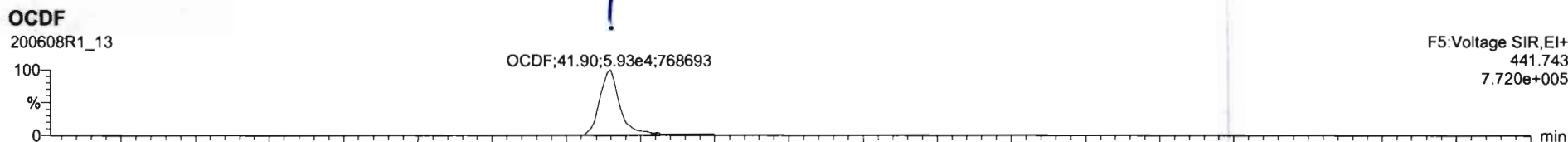
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.32	4.259e4	4.180e4	1.02	NO	47.430	47.430
2 Total Hepta-Furans	37.72	7.133e2	6.521e2	1.09	NO	0.90280	0.90280
3 Total Hepta-Furans	37.93	4.057e4	3.965e4	1.02	NO	53.044	53.044
4 1,2,3,4,7,8,9-HpCDF	39.27	1.086e4	1.086e4	0.99	NO	15.123	15.123



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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

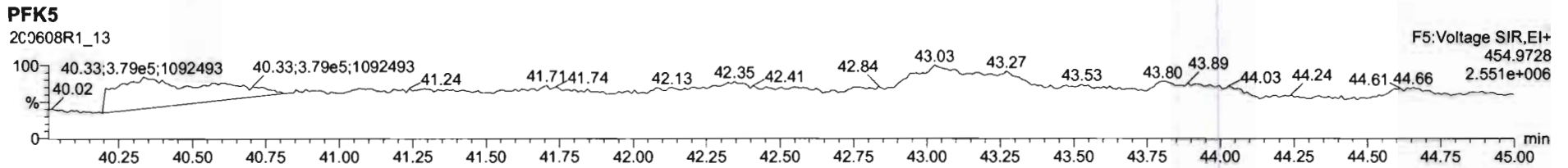
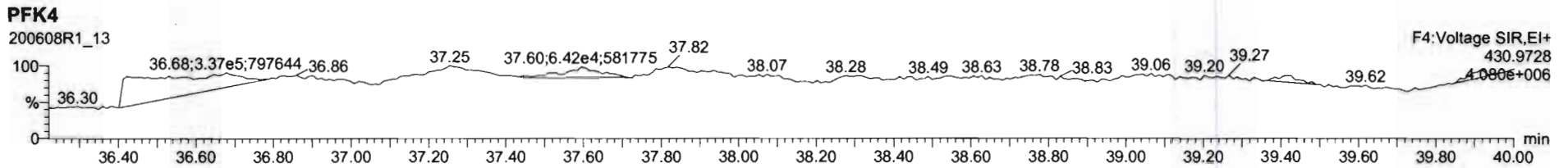
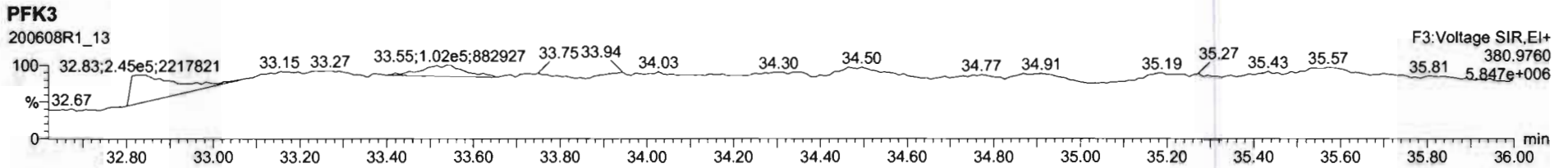
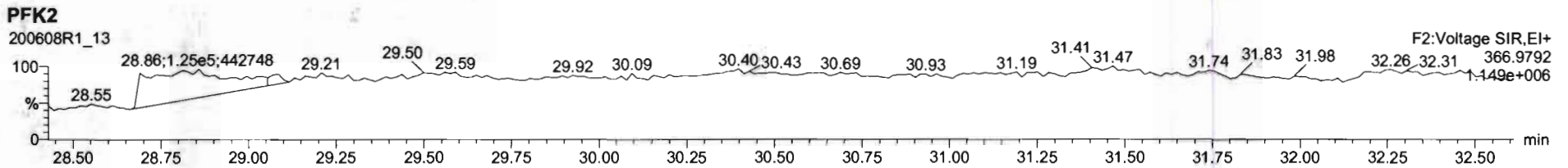
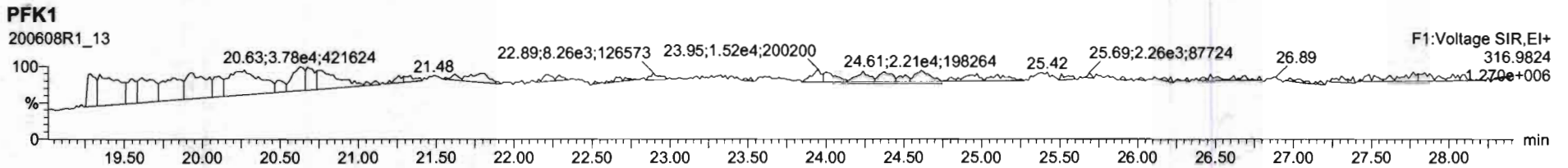
Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507



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Name: 200608R1_13, Date: 08-Jun-2020, Time: 20:59:21, ID: 2001037-09 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-14b.qld

Last Altered: Wednesday, June 10, 2020 2:22:37 PM Pacific Daylight Time

Printed: Wednesday, June 10, 2020 2:30:19 PM Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3.05e3	0.72	NO	0.888	10.087	26.486	26.48	1.001	1.001	0.90860		0.0914	0.909
2	2 1,2,3,7,8-PeCDD	2.92e3	0.69	NO	0.908	10.087	31.442	31.45	1.001	1.001	1.2141		0.139	1.21
3	3 1,2,3,4,7,8-HxCDD	1.95e3	1.19	NO	1.03	10.087	34.814	34.81	1.000	1.000	0.98445		0.317	0.984
4	4 1,2,3,6,7,8-HxCDD	1.31e4	1.25	NO	0.892	10.087	34.911	34.92	1.000	1.000	6.1878		0.342	6.19
5	5 1,2,3,7,8,9-HxCDD	5.57e3	1.11	NO	0.887	10.087	35.199	35.21	1.000	1.001	2.9019		0.372	2.90
6	6 1,2,3,4,6,7,8-HpCDD	1.78e5	1.02	NO	0.864	10.087	38.746	38.75	1.000	1.000	128.31		0.752	128
7	7 OCDD	1.78e6	0.89	NO	0.914	10.087	41.727	41.74	1.000	1.000	1409.7		1.15	1410
8	8 2,3,7,8-TCDF	1.52e5	0.75	NO	0.751	10.087	25.582	25.57	1.001	1.001	40.443	(35.997)	0.184	40.0
9	9 1,2,3,7,8-PeCDF	1.74e5	1.57	NO	0.893	10.087	30.160	30.15	1.001	1.000	47.037		0.270	47.0
10	10 2,3,4,7,8-PeCDF	5.64e4	1.51	NO	0.935	10.087	31.149	31.15	1.001	1.000	14.803		0.259	14.8
11	11 1,2,3,4,7,8-HxCDF	2.07e5	1.21	NO	0.884	10.087	33.931	33.94	1.000	1.000	88.403		0.255	88.4
12	12 1,2,3,6,7,8-HxCDF	5.94e4	1.24	NO	0.889	10.087	34.058	34.07	1.000	1.001	22.111		0.230	22.1
13	13 2,3,4,6,7,8-HxCDF	1.18e4	1.20	NO	0.934	10.087	34.669	34.64	1.001	1.000	4.6622		0.252	4.66
14	14 1,2,3,7,8,9-HxCDF	1.27e4	1.13	NO	0.871	10.087	35.550	35.60	1.000	1.001	6.6223		0.397	6.62
15	15 1,2,3,4,6,7,8-HpCDF	8.27e4	1.01	NO	0.873	10.087	37.355	37.34	1.001	1.001	46.734		0.456	46.7
16	16 1,2,3,4,7,8,9-HpCDF	1.88e4	0.98	NO	1.01	10.087	39.288	39.30	1.000	1.000	14.080		0.516	14.1
17	17 OCDF	1.29e5	0.85	NO	0.806	10.087	41.919	41.93	1.000	1.000	92.350		0.449	92.4
18	18 13C-2,3,7,8-TCDD	7.49e5	0.79	NO	1.16	10.087	26.476	26.45	1.026	1.026	179.00	90.3	0.260	
19	19 13C-1,2,3,7,8-PeCDD	5.25e5	0.64	NO	0.849	10.087	31.656	31.42	1.227	1.218	170.80	86.1	0.294	
20	20 13C-1,2,3,4,7,8-HxCDD	3.81e5	1.30	NO	0.779	10.087	34.809	34.80	1.014	1.014	156.99	79.2	0.560	
21	21 13C-1,2,3,6,7,8-HxCDD	4.72e5	1.28	NO	1.02	10.087	34.922	34.91	1.017	1.017	149.06	75.2	0.429	
22	22 13C-1,2,3,7,8,9-HxCDD	4.29e5	1.27	NO	0.903	10.087	35.193	35.19	1.025	1.025	152.66	77.0	0.483	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.19e5	1.06	NO	0.689	10.087	38.715	38.73	1.128	1.128	148.74	75.0	0.484	
24	24 13C-OCDD	5.48e5	0.89	NO	0.652	10.087	41.736	41.73	1.216	1.216	269.74	68.0	0.492	
25	25 13C-2,3,7,8-TCDF	1.00e6	0.78	NO	1.06	10.087	25.519	25.56	0.989	0.991	166.45	84.0	0.322	
26	26 13C-1,2,3,7,8-PeCDF	8.20e5	1.58	NO	0.838	10.087	30.041	30.14	1.165	1.168	171.78	86.6	0.466	
27	27 13C-2,3,4,7,8-PeCDF	8.08e5	1.65	NO	0.817	10.087	30.993	31.13	1.202	1.207	173.67	87.6	0.478	
28	28 13C-1,2,3,4,7,8-HxCDF	5.26e5	0.51	NO	1.01	10.087	33.941	33.93	0.989	0.989	167.67	84.6	0.657	
29	29 13C-1,2,3,6,7,8-HxCDF	5.99e5	0.50	NO	1.17	10.087	34.064	34.05	0.992	0.992	164.93	83.2	0.567	
30	30 13C-2,3,4,6,7,8-HxCDF	5.38e5	0.51	NO	1.02	10.087	34.637	34.63	1.009	1.009	169.04	85.3	0.648	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-14b.qld

Last Altered: Wednesday, June 10, 2020 2:22:37 PM Pacific Daylight Time

Printed: Wednesday, June 10, 2020 2:30:19 PM Pacific Daylight Time

Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.37e5	0.51	NO	0.860	10.087	35.537	35.55	1.035	1.036	163.27	82.3	0.770	
32	13C-1,2,3,4,6,7,8-HpCDF	4.02e5	0.43	NO	0.774	10.087	37.284	37.32	1.086	1.087	166.56	84.0	0.551	
33	13C-1,2,3,4,7,8,9-HpCDF	2.62e5	0.43	NO	0.521	10.087	39.312	39.29	1.145	1.145	161.50	81.5	0.818	
34	13C-OCDF	6.87e5	0.88	NO	0.746	10.087	41.907	41.92	1.221	1.221	296.10	74.7	0.507	
35	37Cl-2,3,7,8-TCDD	2.95e5			1.04	10.087	26.507	26.47	1.028	1.026	78.565	99.1	0.0796	
36	13C-1,2,3,4-TCDD	7.18e5	0.79	NO	1.00	10.087	25.890	25.80	1.000	1.000	198.27	100	0.301	
37	13C-1,2,3,4-TCDF	1.13e6	0.79	NO	1.00	10.087	24.360	24.10	1.000	1.000	198.27	100	0.341	
38	13C-1,2,3,4,6,9-HxCDF	6.17e5	0.52	NO	1.00	10.087	34.420	34.33	1.000	1.000	198.27	100	0.662	
39	Total Tetra-Dioxins				0.888	10.087	24.620		0.000		5.8668		0.0914	6.58
40	Total Penta-Dioxins				0.908	10.087	29.960		0.000		7.3097		0.139	9.44
41	Total Hexa-Dioxins				0.892	10.087	33.635		0.000		54.558		0.359	54.6
42	Total Hepta-Dioxins				0.864	10.087	37.640		0.000		287.85		0.752	288
43	Total Tetra-Furans				0.751	10.087	23.610		0.000		108.77		0.184	113
44	1st Func. Penta-Furans				0.893	10.087	27.580		0.000		11.351		0.0392	11.4
45	Total Penta-Furans				0.893	10.087	29.275		0.000		114.65		0.271	115
46	Total Hexa-Furans				0.934	10.087	33.555		0.000		167.25		0.265	167
47	Total Hepta-Furans				0.873	10.087	37.835		0.000		126.08		0.512	127

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Dataset: U:\VG12.PRO\Results\200608R1\200608R1-14b.qld

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Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.41	2.471e4	3.320e4	2.627e3	3.075e3	0.85	NO	5.702e3	1.6991	1.6991	0.0914
2	Total Tetra-Dioxins	22.86	9.606e3	1.586e4	1.003e3	1.322e3	0.76	NO	2.325e3	0.69272	0.69272	0.0914
3	Total Tetra-Dioxins	23.37	4.600e3	7.220e3	4.244e2	5.654e2	0.75	NO	9.898e2	0.29491	0.29491	0.0914
4	Total Tetra-Dioxins	24.27	4.384e3	7.346e3	4.428e2	4.297e2	1.03	YES	0.000e0	0.00000	0.22663	0.0914
5	Total Tetra-Dioxins	24.51	5.648e3	9.661e3	5.109e2	7.592e2	0.67	NO	1.270e3	0.37844	0.37844	0.0914
6	Total Tetra-Dioxins	24.75	8.652e3	1.227e4	6.740e2	9.737e2	0.69	NO	1.648e3	0.49096	0.49096	0.0914
7	Total Tetra-Dioxins	24.96	2.352e3	2.716e3	2.139e2	2.089e2	1.02	YES	0.000e0	0.00000	0.11016	0.0914
8	Total Tetra-Dioxins	25.23	2.559e3	4.026e3	2.435e2	2.604e2	0.94	YES	0.000e0	0.00000	0.13732	0.0914
9	Total Tetra-Dioxins	25.41	3.610e3	4.472e3	2.667e2	3.060e2	0.87	NO	5.727e2	0.17065	0.17065	0.0914
10	Total Tetra-Dioxins	25.56	3.213e3	1.020e3	1.646e2	4.377e1	3.76	YES	0.000e0	0.00000	0.023081	0.0914
11	Total Tetra-Dioxins	25.78	2.745e3	4.423e3	2.829e2	3.384e2	0.84	NO	6.212e2	0.18510	0.18510	0.0914
12	Total Tetra-Dioxins	26.20	1.671e4	2.923e4	1.487e3	2.024e3	0.73	NO	3.512e3	1.0463	1.0463	0.0914
13	2,3,7,8-TCDD	26.48	1.591e4	2.580e4	1.275e3	1.775e3	0.72	NO	3.049e3	0.90860	0.90860	0.0914
14	Total Tetra-Dioxins	26.80	4.954e3	3.713e3	3.449e2	2.933e2	1.18	YES	0.000e0	0.00000	0.15469	0.0914
15	Total Tetra-Dioxins	27.41	1.804e3	1.502e3	1.266e2	1.127e2	1.12	YES	0.000e0	0.00000	0.059459	0.0914

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-14b.qld

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Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	3.183e4	5.455e4	2.422e3	4.316e3	0.56	NO	6.738e3	2.8036	2.8036	0.139
2	Total Penta-Dioxins	29.70	1.044e4	1.325e4	5.668e2	8.687e2	0.65	NO	1.436e3	0.59726	0.59726	0.139
3	Total Penta-Dioxins	30.20	2.356e4	3.713e4	1.346e3	1.885e3	0.71	NO	3.232e3	1.3446	1.3446	0.139
4	Total Penta-Dioxins	30.35	2.019e4	2.809e4	9.678e2	1.586e3	0.61	NO	2.554e3	1.0627	1.0627	0.139
5	Total Penta-Dioxins	30.46	9.031e3	1.609e4	5.218e2	9.916e2	0.53	YES	0.000e0	0.00000	0.56172	0.139
6	Total Penta-Dioxins	30.67	1.625e4	2.248e4	8.770e2	1.001e3	0.88	YES	0.000e0	0.00000	0.67884	0.139
7	Total Penta-Dioxins	30.70	9.953e3	1.663e4	3.679e2	5.543e2	0.66	NO	0.000e0	0.00000	0.38367	0.139
8	Total Penta-Dioxins	31.02	5.574e3	8.115e3	2.895e2	4.013e2	0.72	NO	6.908e2	0.28743	0.28743	0.139
9	1,2,3,7,8-PeCDD	31.45	2.276e4	3.152e4	1.193e3	1.725e3	0.69	NO	2.918e3	1.2141	1.2141	0.139
10	Total Penta-Dioxins	31.50	6.847e3	7.796e3	3.898e2	4.207e2	0.93	YES	0.000e0	0.00000	0.28533	0.139
11	Total Penta-Dioxins	31.82	9.260e3	6.680e3	2.697e2	3.318e2	0.81	YES	0.000e0	0.00000	0.22501	0.139

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	3.504e5	2.826e5	1.773e4	1.423e4	1.25	NO	3.196e4	16.628	16.628	0.359
2	Total Hexa-Dioxins	33.87	4.629e4	3.860e4	2.483e3	2.021e3	1.23	NO	4.504e3	2.3429	2.3429	0.359
3	Total Hexa-Dioxins	34.13	3.534e5	2.863e5	2.520e4	2.012e4	1.25	NO	4.533e4	23.582	23.582	0.359
4	Total Hexa-Dioxins	34.23	2.606e4	1.889e4	1.471e3	1.184e3	1.24	NO	2.655e3	1.3813	1.3813	0.359
5	1,2,3,4,7,8-HxCDD	34.81	1.733e4	1.858e4	1.063e3	8.907e2	1.19	NO	1.953e3	0.98445	0.98445	0.317
6	1,2,3,6,7,8-HxCDD	34.92	1.128e5	9.229e4	7.305e3	5.831e3	1.25	NO	1.314e4	6.1878	6.1878	0.342
7	Total Hexa-Dioxins	35.11	1.467e4	9.895e3	6.191e2	4.364e2	1.42	NO	1.056e3	0.54912	0.54912	0.359
8	1,2,3,7,8,9-HxCDD	35.21	4.362e4	3.864e4	2.934e3	2.634e3	1.11	NO	5.568e3	2.9019	2.9019	0.372

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.73	1.384e6	1.386e6	1.119e5	1.099e5	1.02	NO	2.218e5	159.53	159.53	0.752
2	1,2,3,4,6,7,8-HpCDD	38.75	1.234e6	1.210e6	9.003e4	8.837e4	1.02	NO	1.784e5	128.31	128.31	0.752

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Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.29	7.352e3	1.294e4	6.913e2	9.817e2	0.70	NO	1.673e3	0.43989	0.43989	0.184
2	Total Tetra-Furans	20.86	1.543e4	2.091e4	1.290e3	1.834e3	0.70	NO	3.124e3	0.82150	0.82150	0.184
3	Total Tetra-Furans	21.42	9.071e4	1.214e5	7.829e3	1.078e4	0.73	NO	1.861e4	4.8933	4.8933	0.184
4	Total Tetra-Furans	22.01	3.166e4	3.906e4	4.527e3	5.622e3	0.81	NO	1.015e4	2.6688	2.6688	0.184
5	Total Tetra-Furans	22.40	1.335e5	1.896e5	1.402e4	1.894e4	0.74	NO	3.296e4	8.6671	8.6671	0.184
6	Total Tetra-Furans	22.89	5.155e4	6.919e4	5.013e3	6.846e3	0.73	NO	1.186e4	3.1182	3.1182	0.184
7	Total Tetra-Furans	23.06	1.739e4	1.733e4	1.390e3	1.639e3	0.85	NO	3.030e3	0.79662	0.79662	0.184
8	Total Tetra-Furans	23.27	3.497e4	4.158e4	3.082e3	3.873e3	0.80	NO	6.955e3	1.8289	1.8289	0.184
9	Total Tetra-Furans	23.68	6.759e3	8.674e3	5.755e2	7.452e2	0.77	NO	1.321e3	0.34728	0.34728	0.184
10	Total Tetra-Furans	23.83	9.781e3	1.681e4	8.969e2	1.229e3	0.73	NO	2.126e3	0.55893	0.55893	0.184
11	Total Tetra-Furans	24.01	4.580e4	6.718e4	2.921e3	3.757e3	0.78	NO	6.678e3	1.7559	1.7559	0.184
12	Total Tetra-Furans	24.12	7.215e4	9.868e4	8.681e3	1.161e4	0.75	NO	2.029e4	5.3343	5.3343	0.184
13	Total Tetra-Furans	24.63	6.031e5	8.139e5	4.873e4	6.617e4	0.74	NO	1.149e5	30.211	30.211	0.184
14	Total Tetra-Furans	24.91	2.691e4	3.711e4	2.365e3	3.011e3	0.79	NO	5.376e3	1.4136	1.4136	0.184
15	Total Tetra-Furans	25.09	6.919e3	9.799e3	5.877e2	9.006e2	0.65	YES	0.000e0	0.00000	0.35521	0.184
16	Total Tetra-Furans	25.33	1.066e4	1.716e4	6.169e2	8.765e2	0.70	NO	1.493e3	0.39268	0.39268	0.184
17	Total Tetra-Furans	25.47	9.581e4	1.028e5	4.497e3	5.826e3	0.77	NO	1.032e4	2.7144	2.7144	0.184
18	2,3,7,8-TCDF	25.57	8.665e5	1.186e6	6.510e4	8.719e4	0.75	NO	1.523e5	40.043	40.043	0.184
19	Total Tetra-Furans	25.94	4.750e4	6.009e4	3.865e3	5.385e3	0.72	NO	9.250e3	2.4322	2.4322	0.184
20	Total Tetra-Furans	26.18	6.818e3	1.031e4	5.135e2	7.572e2	0.68	NO	1.271e3	0.33414	0.33414	0.184
21	Total Tetra-Furans	27.02	6.380e3	4.588e3	3.995e2	2.395e2	1.67	YES	0.000e0	0.00000	0.11146	0.184
22	Total Tetra-Furans	27.58	1.093e5	1.166e5	7.799e3	7.809e3	1.00	YES	0.000e0	0.00000	3.6345	0.184

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	4.227e5	2.655e5	2.569e4	1.589e4	1.62	NO	4.159e4	11.351	11.351	0.0392

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Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.02	4.309e4	3.082e4	2.773e3	1.744e3	1.59	NO	4.517e3	1.2329	1.2329	0.271
2	Total Penta-Furans	29.16	7.704e5	4.877e5	5.194e4	3.312e4	1.57	NO	8.506e4	23.216	23.216	0.271
3	Total Penta-Furans	29.76	9.221e4	5.995e4	7.148e3	4.716e3	1.52	NO	1.186e4	3.2381	3.2381	0.271
4	Total Penta-Furans	29.97	1.405e5	1.030e5	7.827e3	5.313e3	1.47	NO	1.314e4	3.5865	3.5865	0.271
5	1,2,3,7,8-PeCDF	30.15	1.834e6	1.203e6	1.061e5	6.753e4	1.57	NO	1.736e5	47.037	47.037	0.270
6	Total Penta-Furans	30.43	4.702e5	2.867e5	2.801e4	1.783e4	1.57	NO	4.584e4	12.512	12.512	0.271
7	Total Penta-Furans	31.02	1.988e4	1.283e4	1.073e3	7.053e2	1.52	NO	1.778e3	0.48538	0.48538	0.271
8	2,3,4,7,8-PeCDF	31.15	7.679e5	5.004e5	3.392e4	2.246e4	1.51	NO	5.638e4	14.803	14.803	0.259
9	Total Penta-Furans	31.16	5.790e5	3.680e5	1.716e4	1.100e4	1.56	NO	2.816e4	7.6866	7.6866	0.271
10	Total Penta-Furans	32.08	3.520e4	2.155e4	1.848e3	1.264e3	1.46	NO	3.113e3	0.84958	0.84958	0.271

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Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.77	1.366e5	1.203e5	7.310e3	6.100e3	1.20	NO	1.341e4	5.4233	5.4233	0.265
2	Total Hexa-Furans	32.94	4.788e5	3.847e5	2.286e4	1.888e4	1.21	NO	4.174e4	16.880	16.880	0.265
3	Total Hexa-Furans	33.28	1.098e4	7.952e3	5.613e2	4.243e2	1.32	NO	9.857e2	0.39860	0.39860	0.265
4	Total Hexa-Furans	33.48	5.132e5	4.240e5	2.706e4	2.208e4	1.23	NO	4.914e4	19.872	19.872	0.265
5	Total Hexa-Furans	33.83	1.811e4	1.708e4	9.046e2	8.239e2	1.10	NO	1.729e3	0.69901	0.69901	0.265
6	1,2,3,4,7,8-HxCDF	33.94	2.106e6	1.735e6	1.133e5	9.404e4	1.21	NO	2.074e5	88.403	88.403	0.255
7	1,2,3,6,7,8-HxCDF	34.07	4.940e5	4.153e5	3.288e4	2.653e4	1.24	NO	5.941e4	22.111	22.111	0.230
8	Total Hexa-Furans	34.35	1.199e4	1.449e4	8.182e2	7.302e2	1.12	NO	1.548e3	0.62617	0.62617	0.265
9	2,3,4,6,7,8-HxCDF	34.64	1.128e5	9.104e4	6.453e3	5.357e3	1.20	NO	1.181e4	4.6622	4.6622	0.252
10	1,2,3,7,8,9-HxCDF	35.60	1.217e5	1.060e5	6.740e3	5.964e3	1.13	NO	1.270e4	6.6223	6.6223	0.397
11	Total Hexa-Furans	35.62	8.136e4	6.561e4	2.151e3	1.677e3	1.28	NO	3.828e3	1.5480	1.5480	0.265

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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	37.34	5.318e5	5.248e5	4.145e4	4.122e4	1.01	NO	8.267e4	46.734	46.734	0.456
2	Total Hepta-Furans	37.74	1.321e4	1.164e4	7.438e2	8.810e2	0.84	YES	0.000e0	0.00000	0.99837	0.512
3	Total Hepta-Furans	37.96	5.940e5	6.034e5	4.784e4	4.753e4	1.01	NO	9.538e4	65.269	65.269	0.512
4	1,2,3,4,7,8,9-HpCDF	39.30	1.418e5	1.394e5	9.329e3	9.509e3	0.98	NO	1.884e4	14.080	14.080	0.516

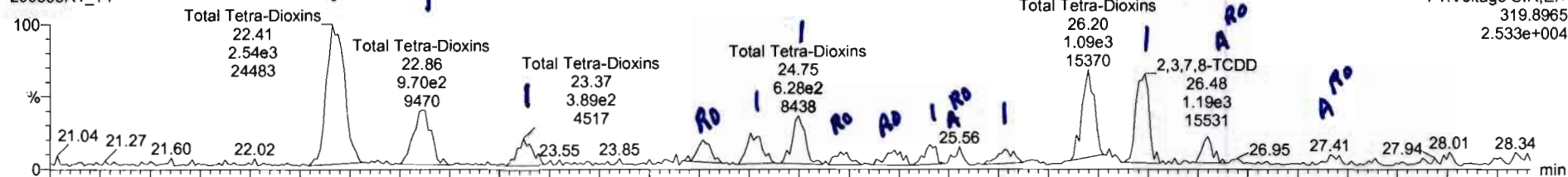
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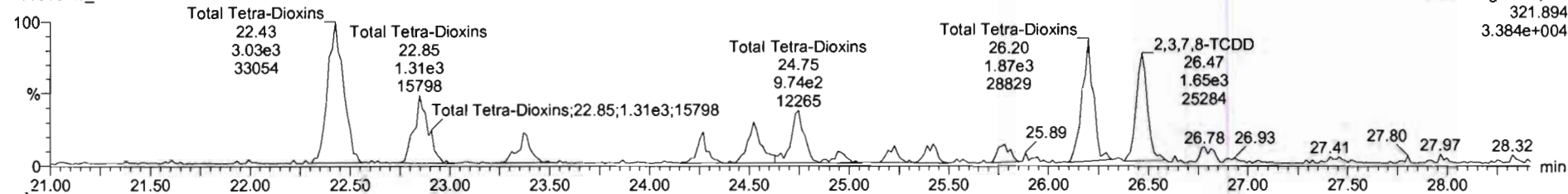
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2,3,7,8-TCDD

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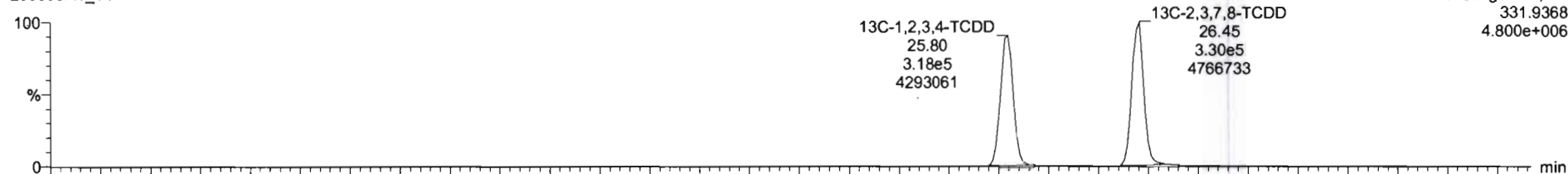


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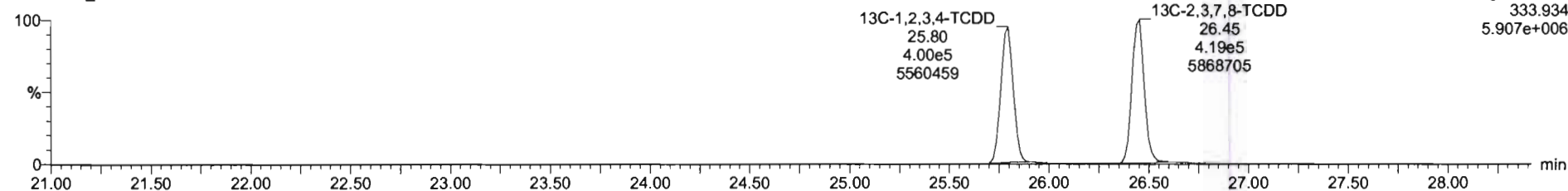


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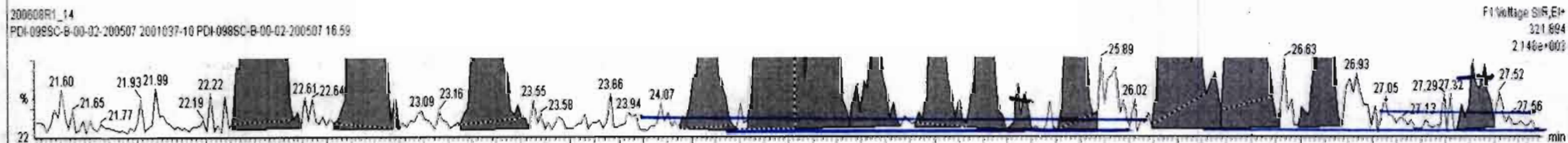
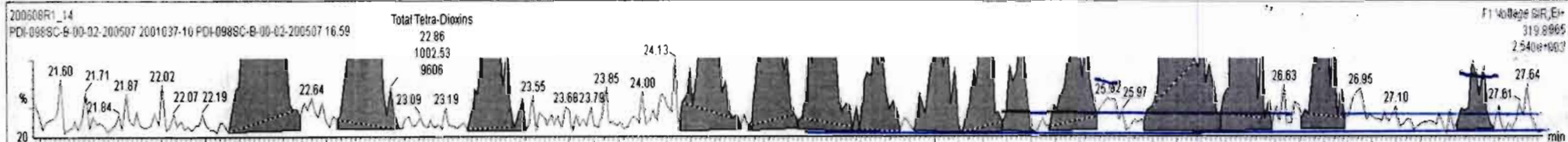


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Name	Resp	RA	n/y	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.067			5.87		0.0914	6.58

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.41	2.627e3	3.075e3	0.85	NO	1.6991	1.6991
2 Total Tetra-Dioxins	22.86	1.003e3	1.322e3	0.76	NO	0.69272	0.69272
3 Total Tetra-Dioxins	23.37	4.244e2	5.654e2	0.75	NO	0.29491	0.29491
4 Total Tetra-Dioxins	24.27	4.428e2	4.297e2	1.03	YES	0.22663	0.00000
5 Total Tetra-Dioxins	24.51	5.109e2	7.592e2	0.67	NO	0.37844	0.37844
6 Total Tetra-Dioxins	24.75	6.740e2	9.737e2	0.69	NO	0.49096	0.49096
7 Total Tetra-Dioxins	24.96	2.139e2	2.089e2	1.02	YES	0.11016	0.00000
8 Total Tetra-Dioxins	25.23	2.435e2	2.604e2	0.94	YES	0.13732	0.00000
9 Total Tetra-Dioxins	25.41	2.667e2	3.060e2	0.87	NO	0.17065	0.17065
10 Total Tetra-Dioxins	25.56	1.646e2	4.377e1	3.76	YES	0.023081	0.00000
11 Total Tetra-Dioxins	25.78	2.829e2	3.384e2	0.84	NO	0.18510	0.18510
12 Total Tetra-Dioxins	26.20	1.487e3	2.024e3	0.73	NO	1.0463	1.0463
13 2,3,7,8-TCDD	26.48	1.275e3	1.775e3	0.72	NO	0.90860	0.90860
14 Total Tetra-Dioxins	26.80	3.449e2	2.933e2	1.18	YES	0.15469	0.00000
15 Total Tetra-Dioxins	27.41	1.268e2	1.127e2	1.12	YES	0.059459	0.00000



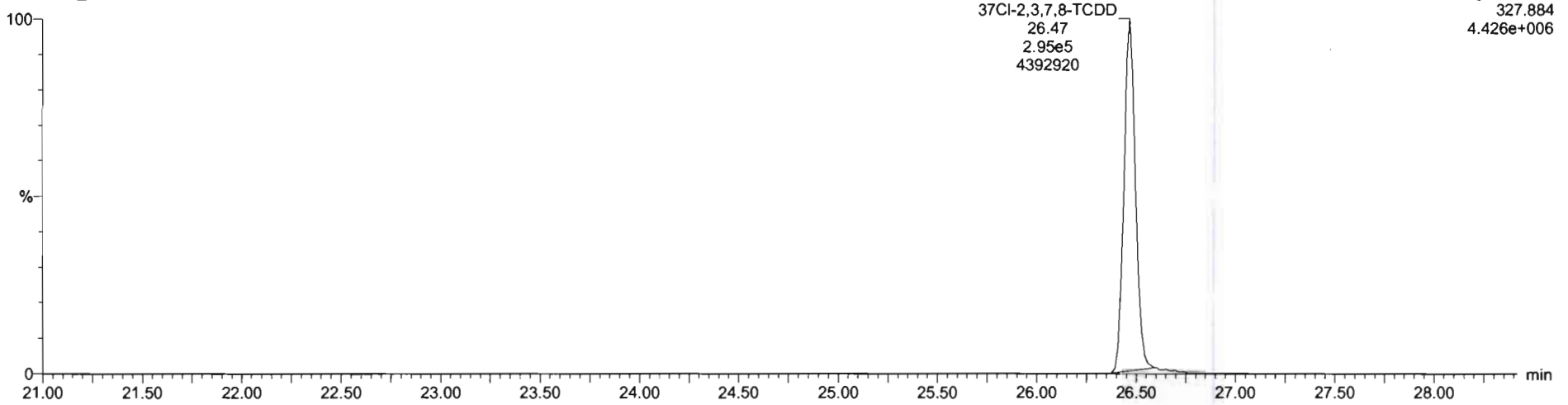
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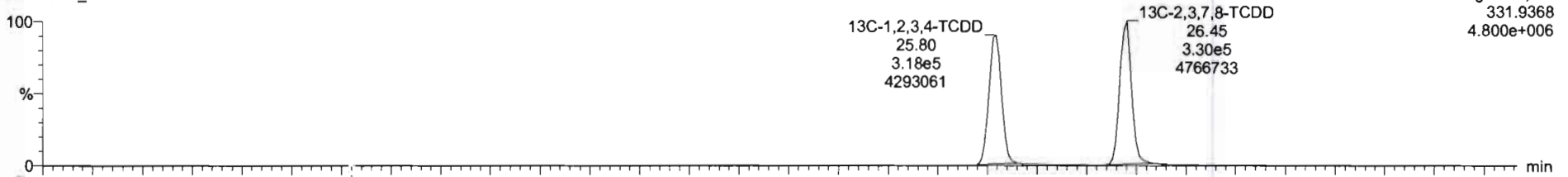
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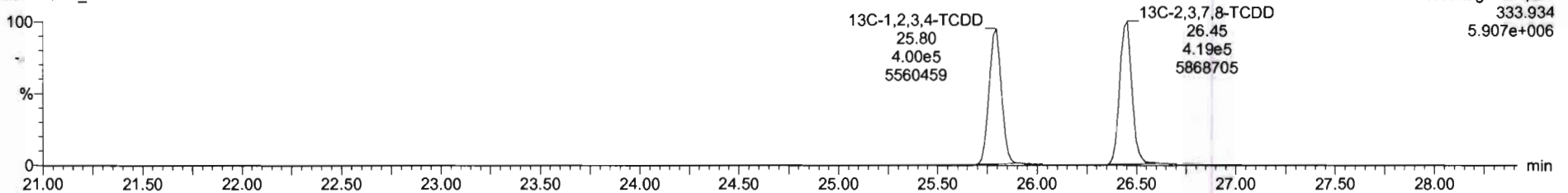


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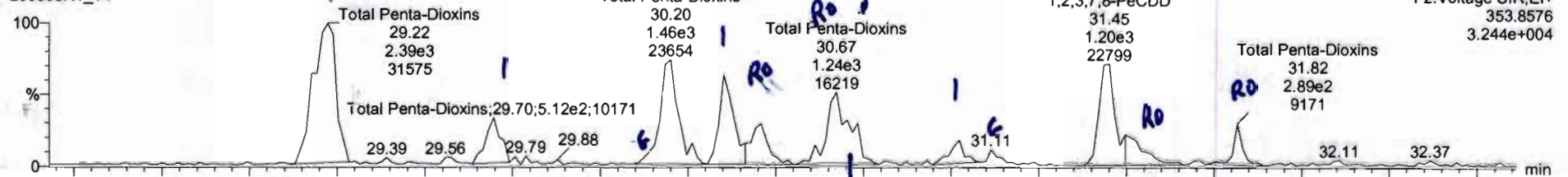
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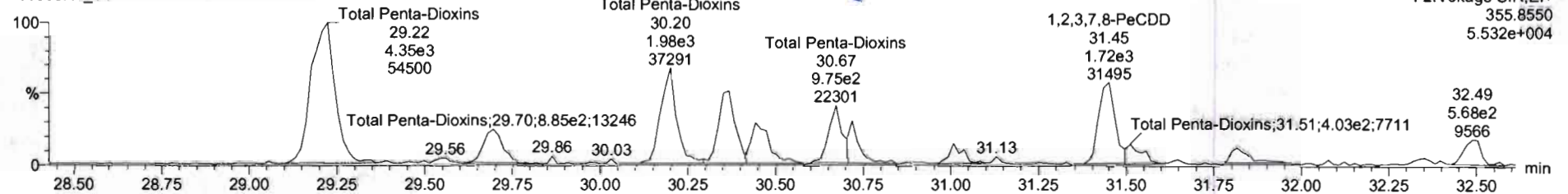
Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

1,2,3,7,8-PeCDD

200608R1_14

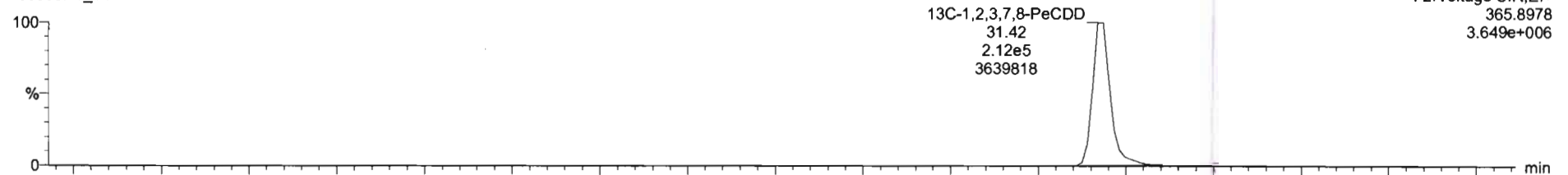


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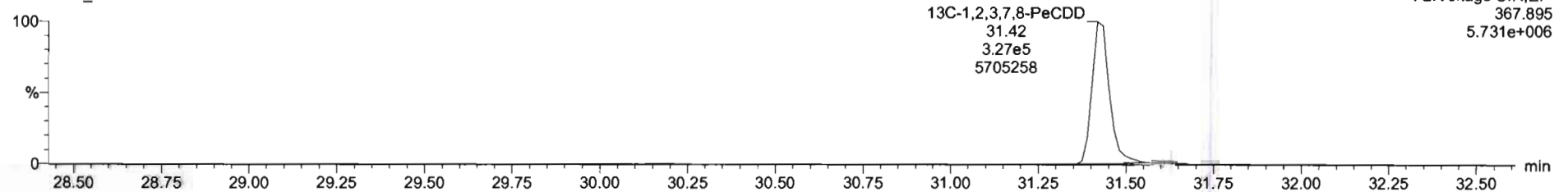


13C-1,2,3,7,8-PeCDD

200608R1_14

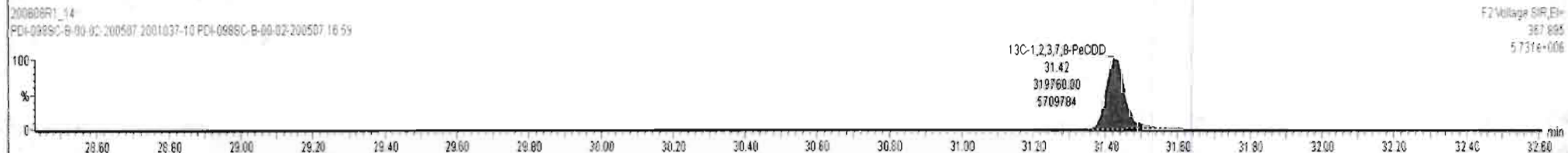
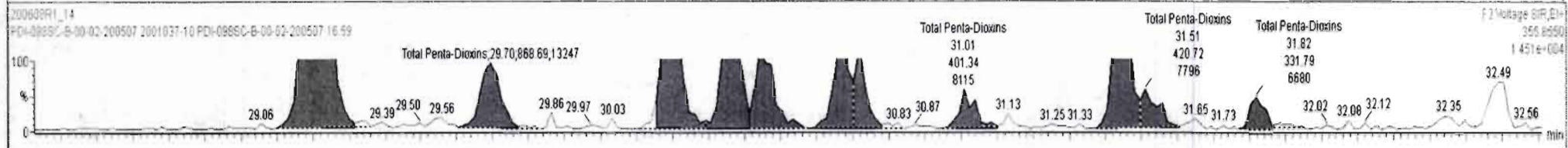
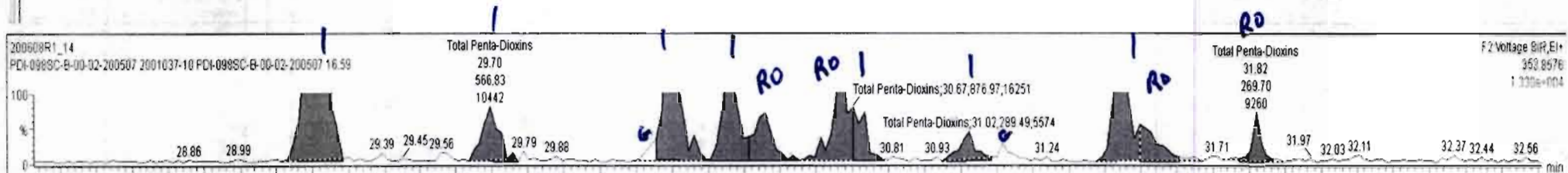


200608R1_14



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.087			7.31		0.139	9.44
41 Total Hexa-Dioxins				0.8923	10.087			53.0		0.359	53.5
42 Total Hepta-Dioxins				0.8639	10.087			291		0.756	291
43 Total Tetra-Furans				0.7510	10.087			104		0.184	109

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Dioxins	29.22	2.422e3	4.316e3	0.56	NO	2.8036	2.8036
2 Total Penta-Dioxins	29.70	5.668e2	8.687e2	0.65	NO	0.59726	0.59726
3 Total Penta-Dioxins	30.20	1.345e3	1.885e3	0.71	NO	1.3446	1.3446
4 Total Penta-Dioxins	30.35	9.678e2	1.586e3	0.61	NO	1.0627	1.0627
5 Total Penta-Dioxins	30.46	5.218e2	9.916e2	0.53	YES	0.56172	0.00000
6 Total Penta-Dioxins	30.67	8.770e2	1.001e3	0.86	YES	0.67884	0.00000
7 Total Penta-Dioxins	30.70	3.679e2	5.543e2	0.66	NO	0.38367	0.00000
8 Total Penta-Dioxins	31.02	2.895e2	4.013e2	0.72	NO	0.28743	0.28743
9 1,2,3,7,8-PeCDD	31.45	1.193e3	1.725e3	0.69	NO	1.2141	1.2141
10 Total Penta-Dioxins	31.50	3.898e2	4.207e2	0.93	YES	0.28533	0.00000
11 Total Penta-Dioxins	31.82	2.697e2	3.318e2	0.81	YES	0.22501	0.00000



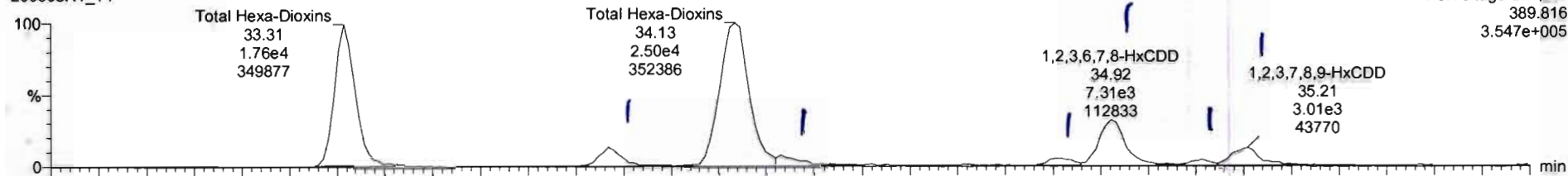
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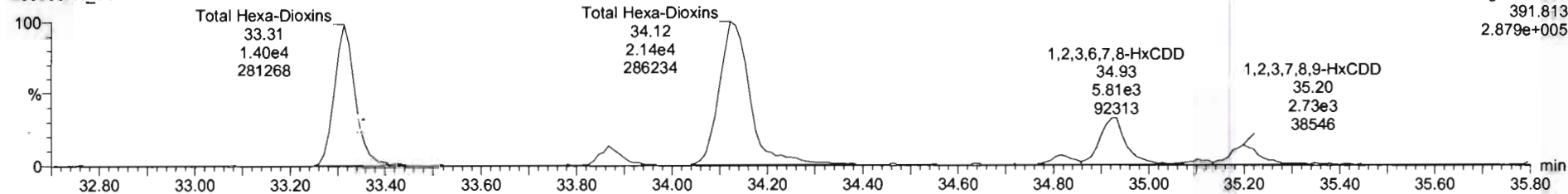
Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

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

200608R1_14

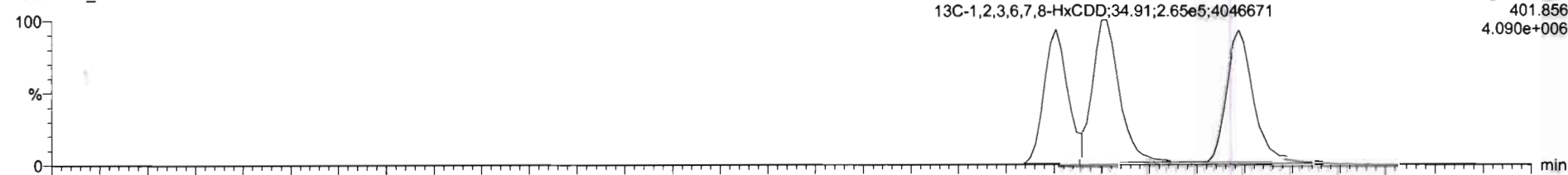


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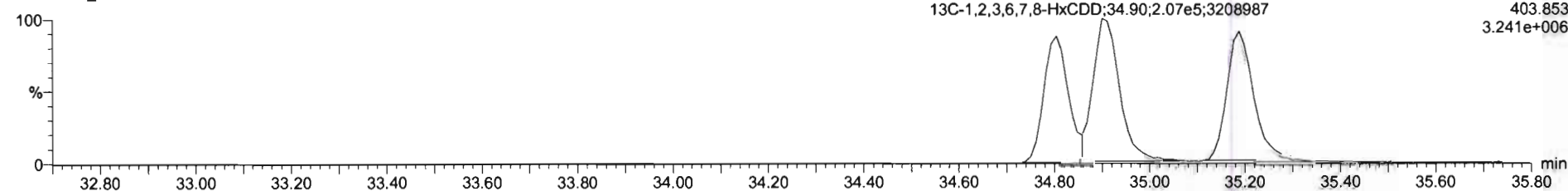


13C-1,2,3,4,7,8-HxCDD

200608R1_14

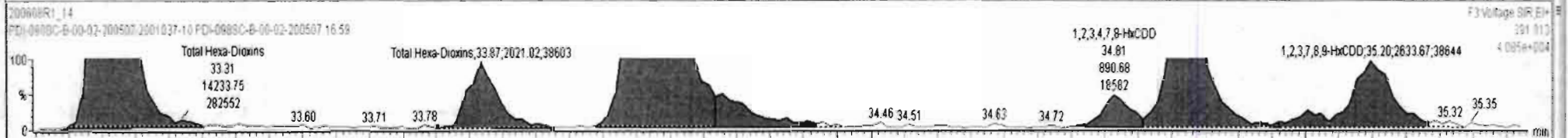
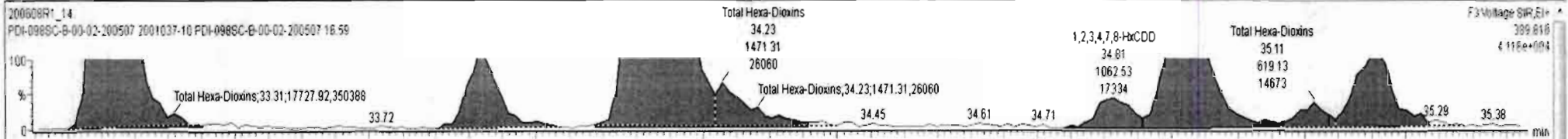


200608R1_14



Name	Resp	RA	nly	RRF	wtMol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.087			7.31		0.138	9.44
41 Total Hexa-Dioxins				0.8923	10.087			54.6		0.359	54.6
42 Total Hepta-Dioxins				0.8539	10.087			291		0.758	291
43 Total Tetra-Furans				0.7510	10.087			104		0.184	109

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Hexa-Dioxins	33.31	1.773e4	1.423e4	1.25	NO	16.628	16.628
2 Total Hexa-Dioxins	33.87	2.483e3	2.021e3	1.23	NO	2.3429	2.3429
3 Total Hexa-Dioxins	34.13	2.520e4	2.012e4	1.25	NO	23.582	23.582
4 Total Hexa-Dioxins	34.23	1.471e3	1.184e3	1.24	NO	1.3813	1.3813
5 1,2,3,4,7,8-HxCDD	34.81	1.063e3	6.907e2	1.19	NO	0.98445	0.98445
6 1,2,3,6,7,8-HxCDD	34.92	7.305e3	5.831e3	1.25	NO	6.1878	6.1878
7 Total Hexa-Dioxins	35.11	6.191e2	4.364e2	1.42	NO	0.54912	0.54912
8 1,2,3,7,8,9-HxCDD	35.21	2.934e3	2.634e3	1.11	NO	2.9019	2.9019



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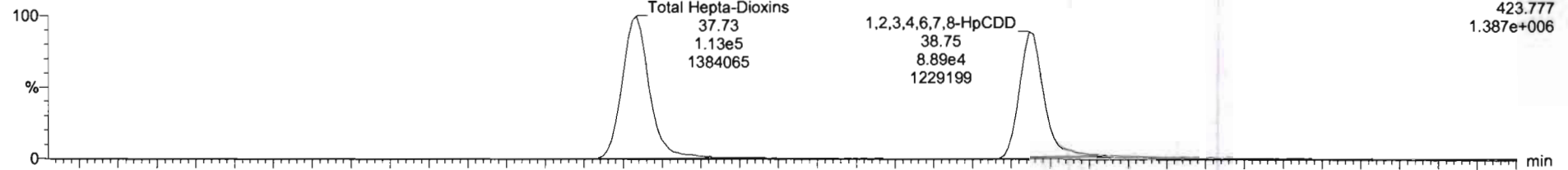
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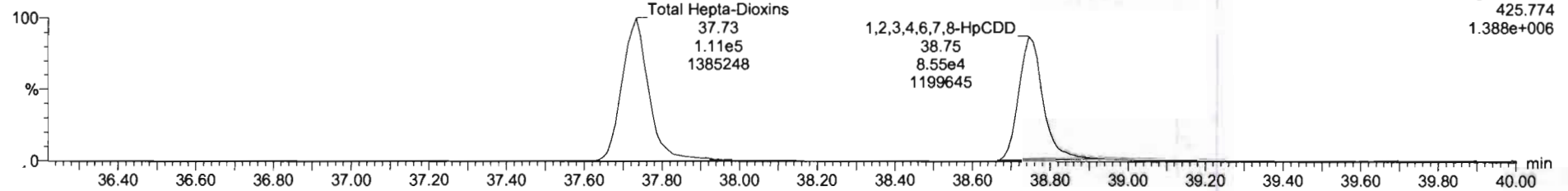
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1,2,3,4,6,7,8-HpCDD

200608R1_14

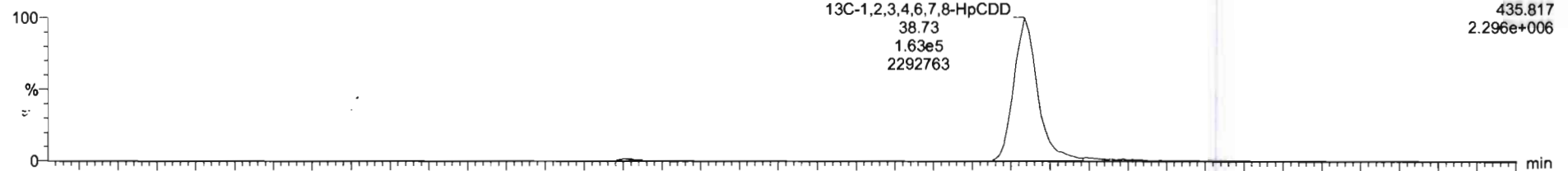


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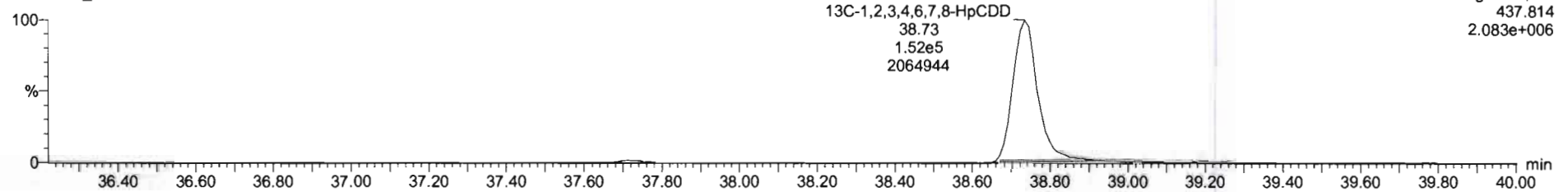


13C-1,2,3,4,6,7,8-HpCDD

200608R1_14

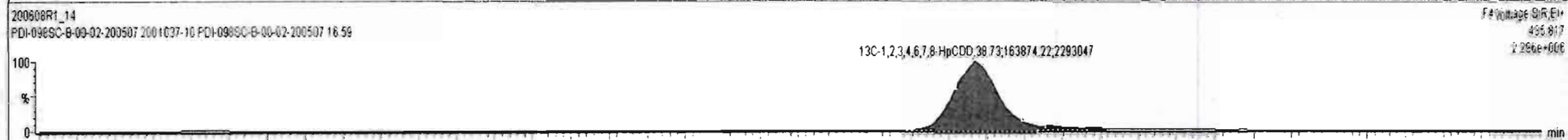


200608R1_14



Name	Resp	RA	n/y	RF	w/Aol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.087			7.31		0.139	9.44
41 Total Hexa-Dioxins				0.8823	10.087			54.6		0.359	54.6
42 Total Hepta-Dioxins				0.8639	10.087			288		0.752	288
43 Total Tetra-Furans				0.7510	10.087			104		0.184	109

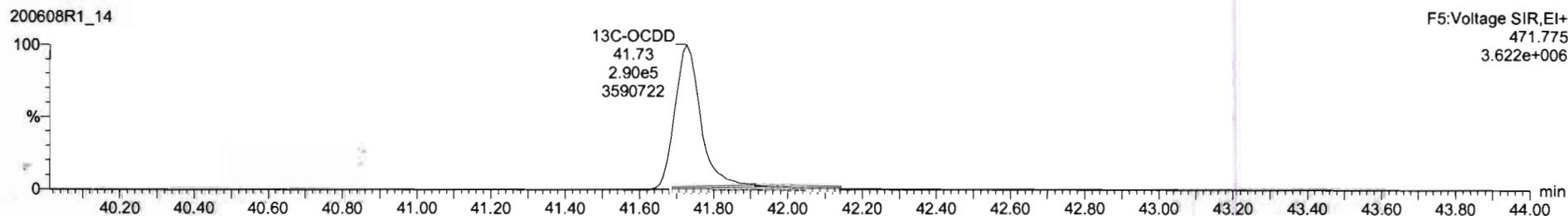
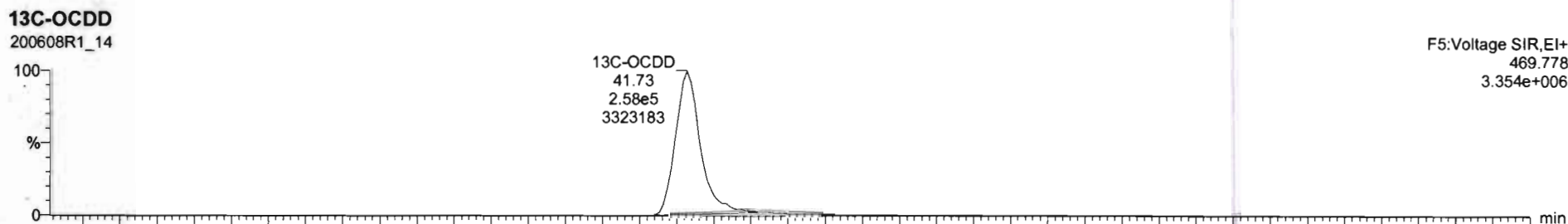
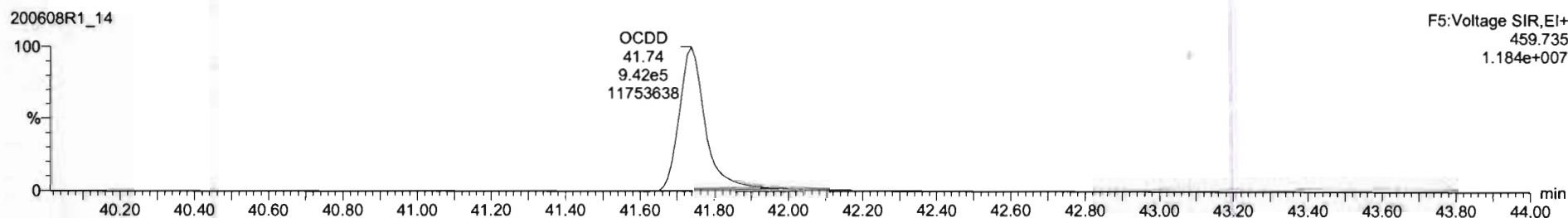
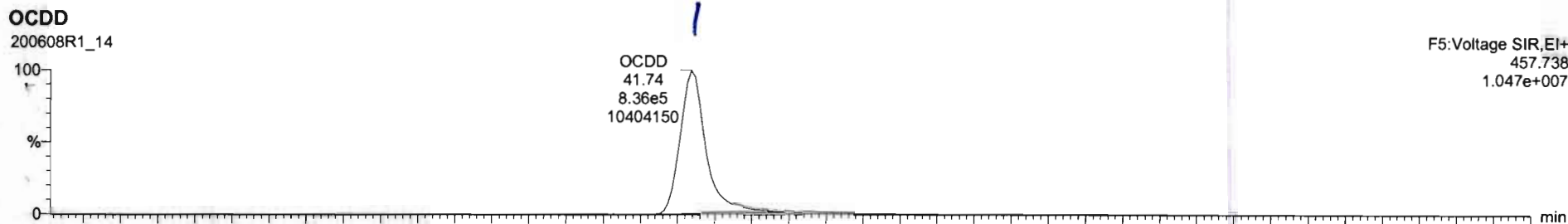
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.73	1.119e5	1.099e5	1.02	NO	159.53	159.53
2 1,2,3,4,6,7,8-HpCDD	38.75	9.003e4	8.637e4	1.02	NO	128.31	128.31



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Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

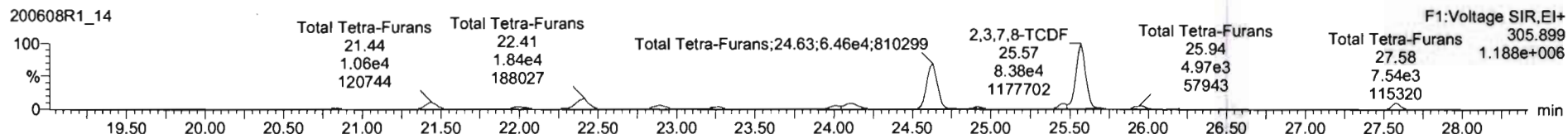
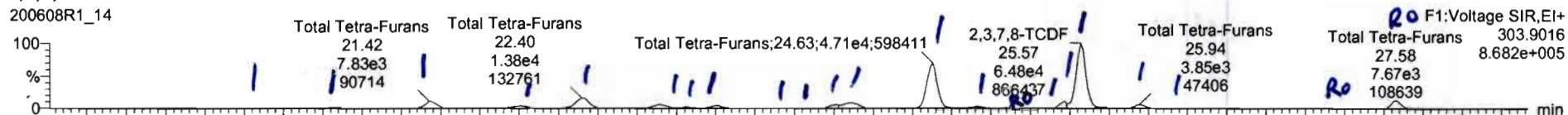


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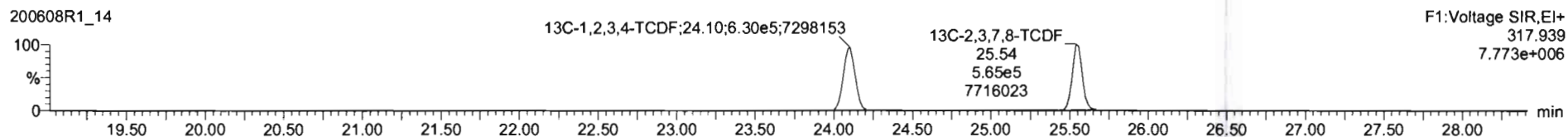
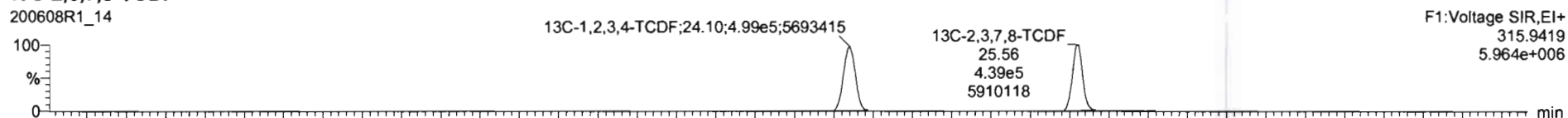
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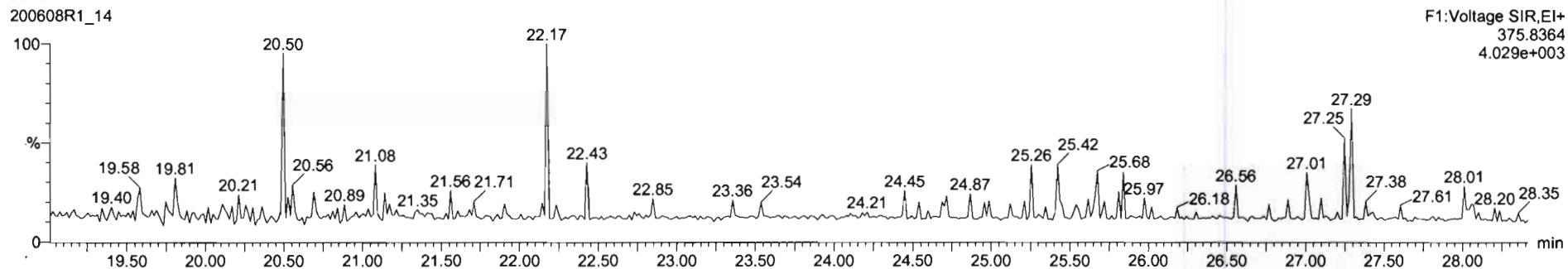
2,3,7,8-TCDF



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

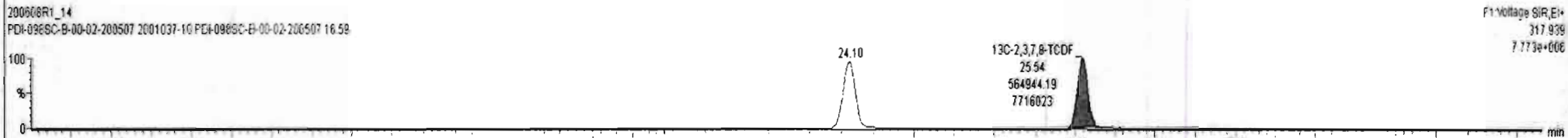
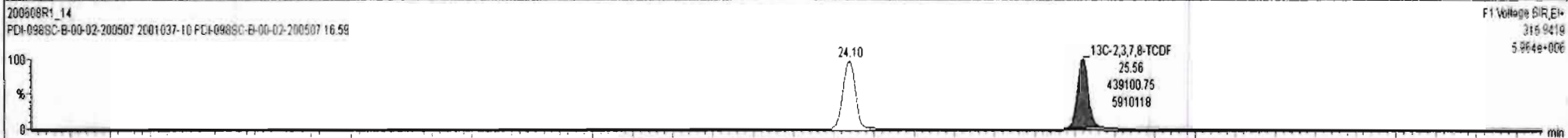
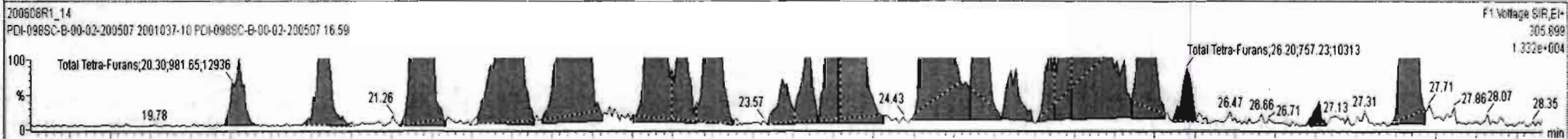
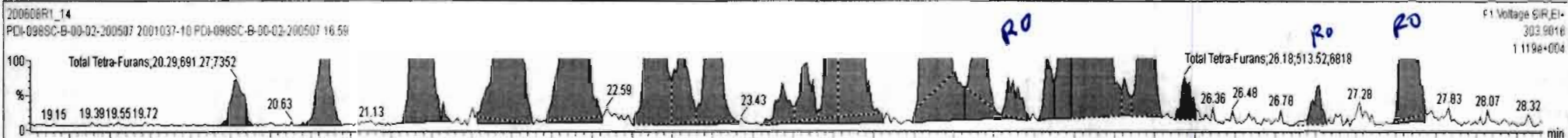


DPE1



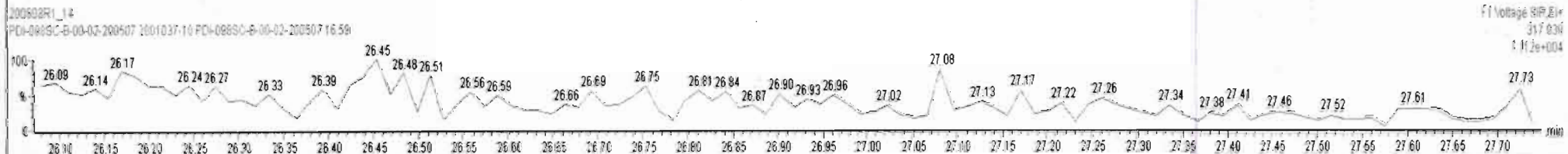
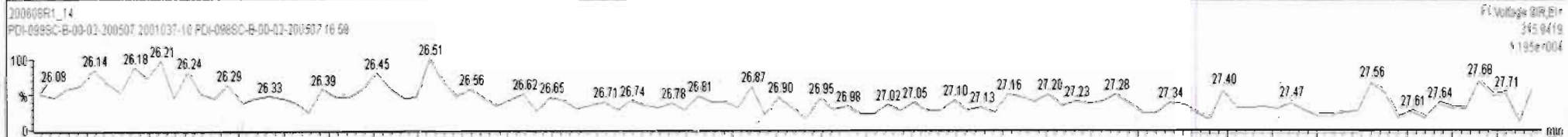
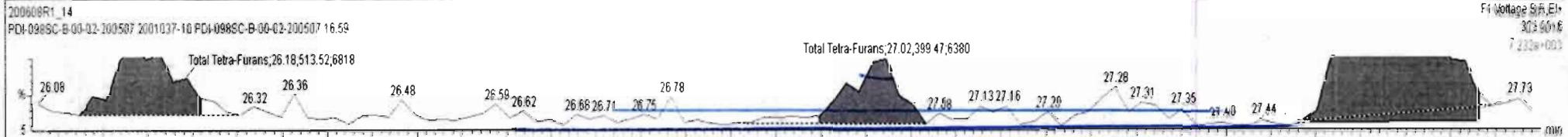
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.087			109		0.184	113
44 1st Func. Penta-Furans				0.8925	10.087			11.4		0.0392	11.4
45 Total Penta-Furans				0.8925	10.087			111		0.271	112
46 Total Hexa-Furans				0.9341	10.087			163		0.264	163

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
9 Total Tetra-Furans	23.68	5.755e2	7.452e2	0.77	NO	0.34728	0.34728
10 Total Tetra-Furans	23.83	8.969e2	1.229e3	0.73	NO	0.55893	0.55893
11 Total Tetra-Furans	24.01	2.921e3	3.757e3	0.78	NO	1.7559	1.7559
12 Total Tetra-Furans	24.12	8.681e3	1.161e4	0.75	NO	5.3343	5.3343
13 Total Tetra-Furans	24.63	4.873e4	6.617e4	0.74	NO	30.211	30.211
14 Total Tetra-Furans	24.91	2.365e3	3.011e3	0.79	NO	1.4136	1.4136
15 Total Tetra-Furans	25.09	5.877e2	9.006e2	0.65	YES	0.35521	0.00000
16 Total Tetra-Furans	25.33	6.169e2	8.765e2	0.70	NO	0.39268	0.39268
17 Total Tetra-Furans	25.47	4.497e3	5.826e3	0.77	NO	2.7144	2.7144
18 2,3,7,8-TCDF	25.57	6.510e4	8.719e4	0.75	NO	40.043	40.043
19 Total Tetra-Furans	25.94	3.865e3	5.385e3	0.72	NO	2.4322	2.4322
20 Total Tetra-Furans	26.18	5.135e2	7.572e2	0.68	NO	0.33414	0.33414
21 Total Tetra-Furans	27.02	3.395e2	2.395e2	1.67	YES	0.11146	0.00000
22 Total Tetra-Furans	27.56	7.799e3	7.809e3	1.00	YES	3.6345	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.087			106	0.184	112	
44 1st Func. Penta-Furans				0.8925	10.087			114	0.0392	11.4	
45 Total Penta-Furans				0.8925	10.087			111	0.271	112	
46 Total Hexa-Furans				0.9341	10.087			163	0.264	163	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.29	6.913e2	9.817e2	0.70	NO	0.43989	0.43989
2 Total Tetra-Furans	20.86	1.290e3	1.872e3	0.69	NO	0.83155	0.83155
3 Total Tetra-Furans	21.42	7.829e3	1.059e4	0.74	NO	4.8422	4.8422
4 Total Tetra-Furans	22.01	4.352e3	5.550e3	0.78	NO	2.6036	2.6036
5 Total Tetra-Furans	22.40	1.378e4	1.842e4	0.75	NO	8.4676	8.4676
6 Total Tetra-Furans	22.89	4.981e3	6.632e3	0.75	NO	3.0536	3.0536
7 Total Tetra-Furans	23.06	1.340e3	1.562e3	0.86	NO	0.76315	0.76315
8 Total Tetra-Furans	23.27	2.995e3	3.854e3	0.76	NO	1.8010	1.8010
9 Total Tetra-Furans	23.68	5.248e2	7.101e2	0.74	NO	0.32472	0.32472
10 Total Tetra-Furans	23.83	8.073e2	1.155e3	0.70	NO	0.51593	0.51593
11 Total Tetra-Furans	24.01	2.809e3	4.416e3	0.64	YES	1.6982	0.00000
12 Total Tetra-Furans	24.12	8.308e3	1.048e4	0.79	NO	4.9392	4.9392
13 Total Tetra-Furans	24.63	4.873e4	6.617e4	0.74	NO	30.211	30.211
14 Total Tetra-Furans	24.91	2.327e3	3.011e3	0.77	NO	1.4037	1.4037



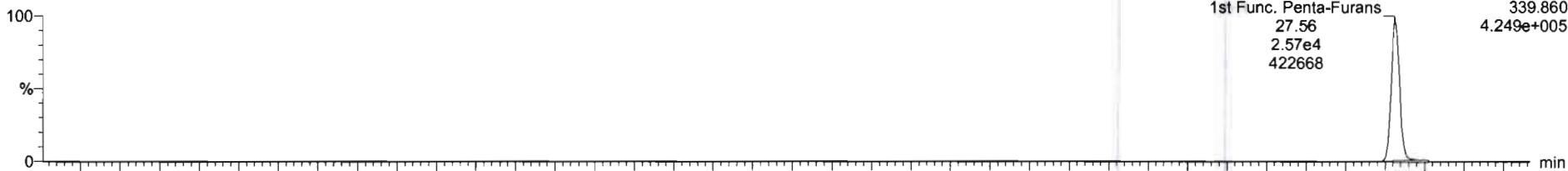
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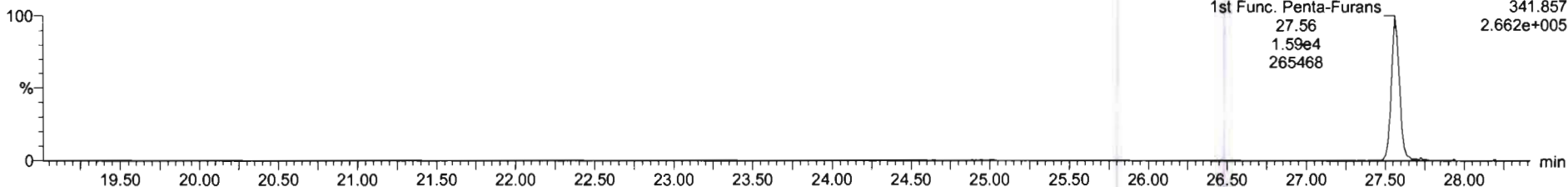
Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

1st Func. Penta-Furans

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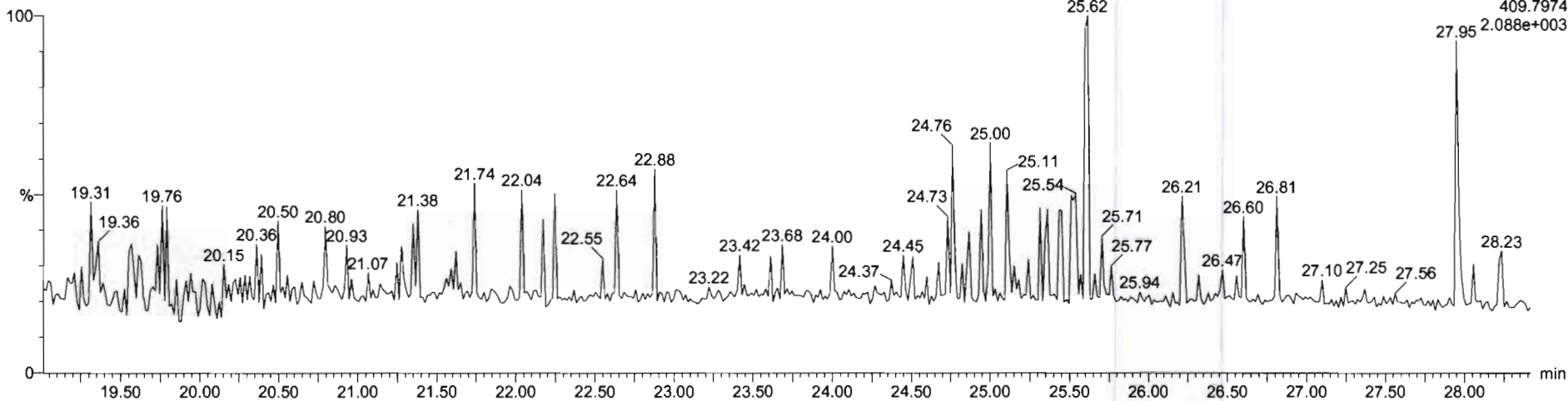


200608R1_14



DPE6

200608R1_14



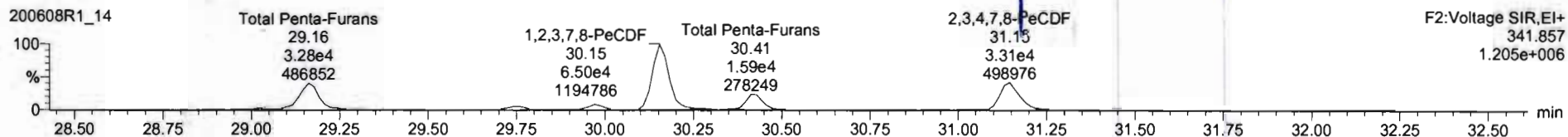
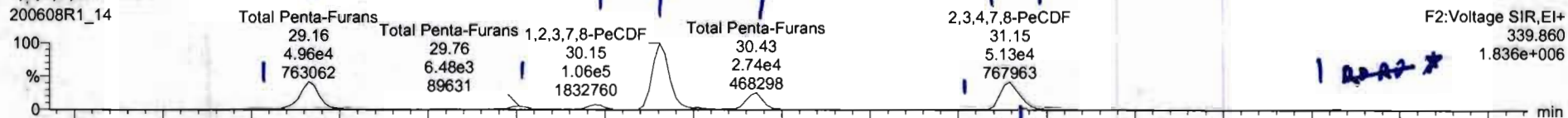
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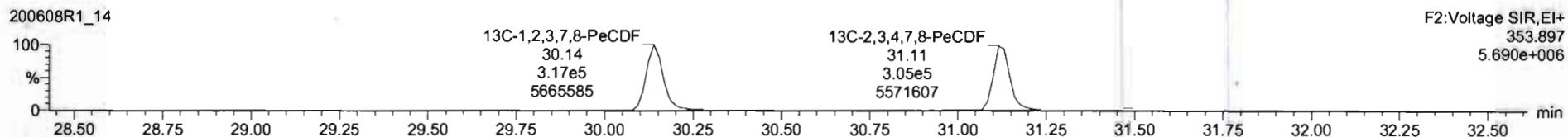
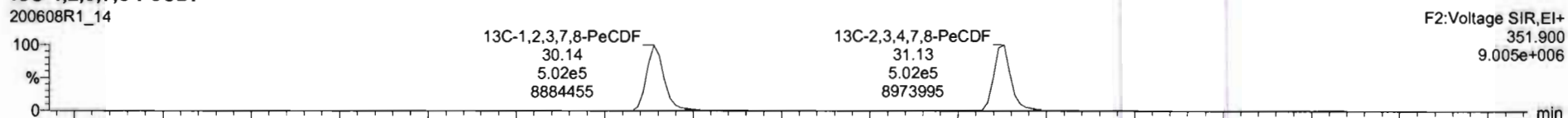
** by 06-10-2020*

Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

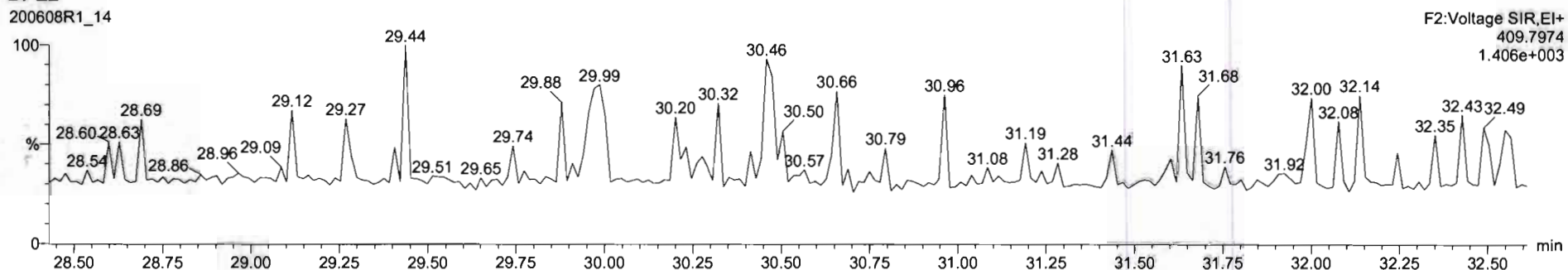
1,2,3,7,8-PeCDF



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

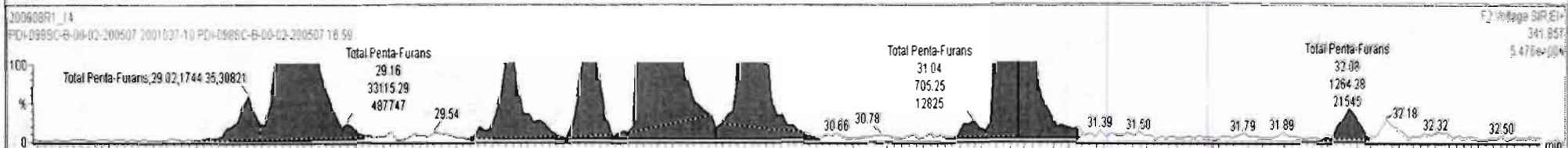
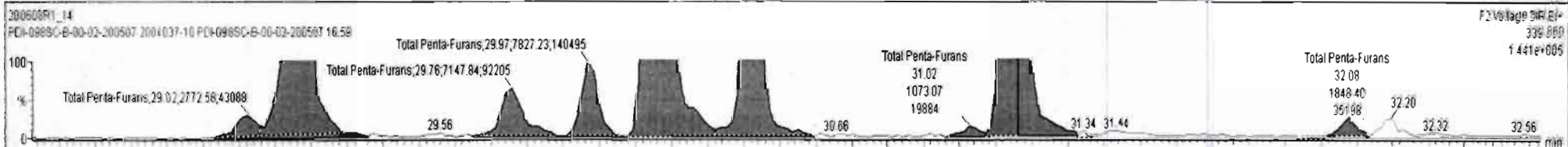


DPE2



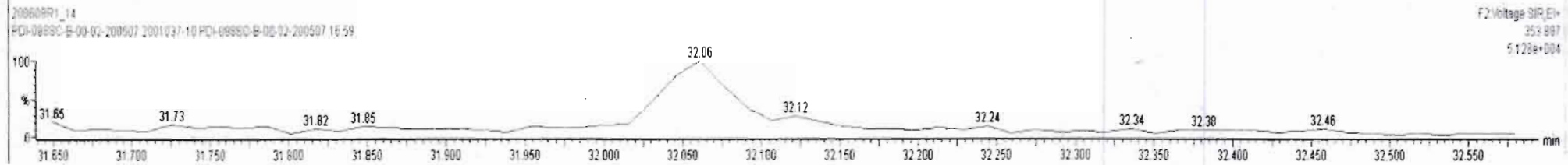
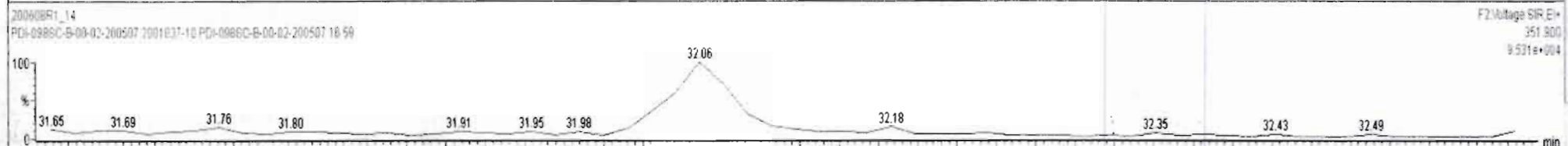
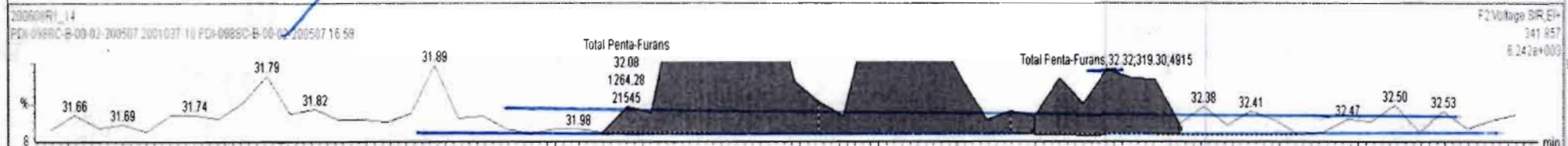
Name	Resp	RA	nly	RRF	wtAol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.087			115		0.271	115
46 Total Hexa-Furans				0.9341	10.087			167		0.265	167
47 Total Hepta-Furans				0.8734	10.087			126		0.512	127
48 PFK1											

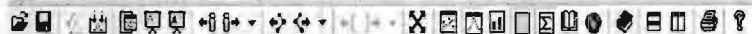
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Penta-Furans	29.02	2.773e3	1.744e3	1.59	NO	1.2328	1.2329
2 Total Penta-Furans	29.16	5.194e4	3.312e4	1.57	NO	23.216	23.216
3 Total Penta-Furans	29.76	7.149e3	4.716e3	1.52	NO	3.2381	3.2381
4 Total Penta-Furans	29.97	7.827e3	5.313e3	1.47	NO	3.5865	3.5865
5 1,2,3,7,8-PeCDF	30.15	1.061e5	6.753e4	1.57	NO	47.037	47.037
6 Total Penta-Furans	30.43	2.801e4	1.783e4	1.57	NO	12.512	12.512
7 Total Penta-Furans	31.02	1.073e3	7.053e2	1.52	NO	0.48538	0.48538
8 2,3,4,7,8-PeCDF	31.15	3.392e4	2.246e4	1.51	NO	14.803	14.803
9 Total Penta-Furans	31.16	1.716e4	1.100e4	1.56	NO	7.6866	7.6866
10 Total Penta-Furans	32.08	1.848e3	1.264e3	1.46	NO	0.84958	0.84958



Name	Resp	RA	nly	RRF	wAdj	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.087			109		0.164	113
44 1st Func. Penta-Furans				0.8925	10.087			11.4		0.0392	11.4
45 Total Penta-Furans				0.8925	10.087			114		0.271	115
46 Total Hexa-Furans				0.9341	10.087			163		0.264	163

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.02	2.773e3	1.744e3	1.59	NO	1.2329	1.2329
2 Total Penta-Furans	29.16	5.194e4	3.312e4	1.57	NO	23.216	23.216
3 Total Penta-Furans	29.76	7.148e3	4.716e3	1.52	NO	3.2381	3.2381
4 Total Penta-Furans	29.97	7.827e3	5.313e3	1.47	NO	3.5865	3.5865
5 1,2,3,7,8-PeCDF	30.15	1.061e5	6.753e4	1.57	NO	47.037	47.037
6 Total Penta-Furans	30.43	2.801e4	1.783e4	1.57	NO	12.512	12.512
7 Total Penta-Furans	31.02	1.073e3	7.053e2	1.52	NO	0.48538	0.48538
8 2,3,4,7,8-PeCDF	31.15	5.131e4	3.351e4	1.53	NO	22.272	22.272
9 Total Penta-Furans	32.08	1.849e3	1.264e3	1.46	NO	0.84958	0.84958
10 Total Penta-Furans	32.20	1.853e3	7.315e2	2.53	YES	0.50913	0.00000
11 Total Penta-Furans	32.32	3.428e2	3.193e2	1.07	YES	0.15392	0.00000

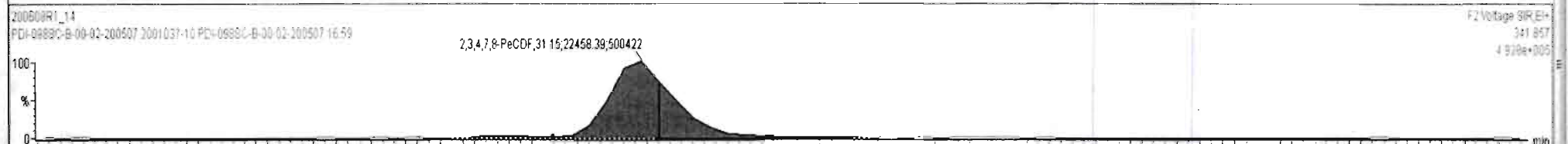
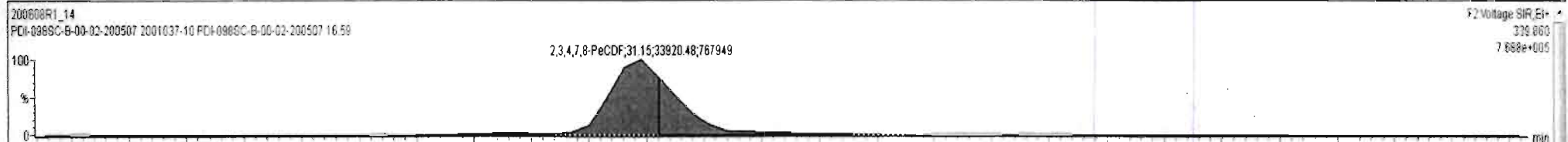




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Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.087			115		0.271	115
46 Total Hexa-Furans				0.9341	10.087			163		0.264	163
47 Total Hepta-Furans				0.8734	10.087			124		0.510	125
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	2.773e3	1.744e3	1.59	NO	1.2329	1.2329
2 Total Penta-Furans	29.16	5.194e4	3.312e4	1.57	NO	23.216	23.216
3 Total Penta-Furans	29.76	7.148e3	4.716e3	1.52	NO	3.2381	3.2381
4 Total Penta-Furans	29.97	7.827e3	5.313e3	1.47	NO	3.5865	3.5865
5 1,2,3,7,8-PeCDF	30.15	1.061e5	6.753e4	1.57	NO	47.037	47.037
6 Total Penta-Furans	30.43	2.801e4	1.783e4	1.57	NO	12.512	12.512
7 Total Penta-Furans	31.02	1.073e3	7.053e2	1.52	NO	0.48538	0.48538
8 2,3,4,7,8-PeCDF	31.15	3.392e4	2.246e4	1.51	NO	14.803	14.803
9 Total Penta-Furans	31.16	1.716e4	1.100e4	1.56	NO	7.6866	7.6866
10 Total Penta-Furans	32.08	1.848e3	1.264e3	1.46	NO	0.84958	0.84958
11 Total Penta-Furans	32.20	1.853e3	7.315e2	2.53	YES	0.50813	0.00000
12 Total Penta-Furans	32.32	3.426e2	3.193e2	1.07	YES	0.15392	0.00000



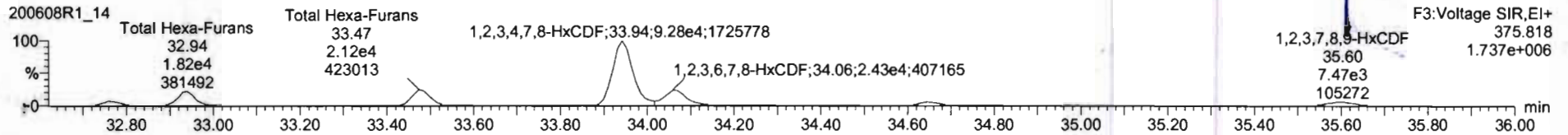
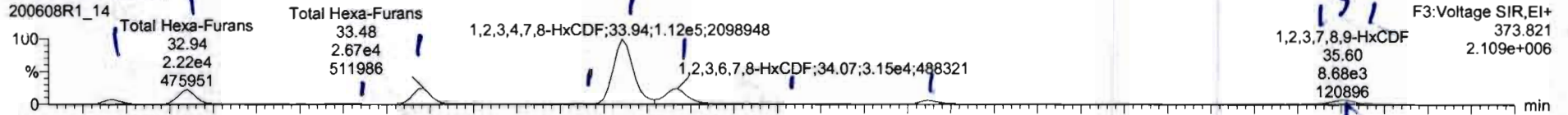
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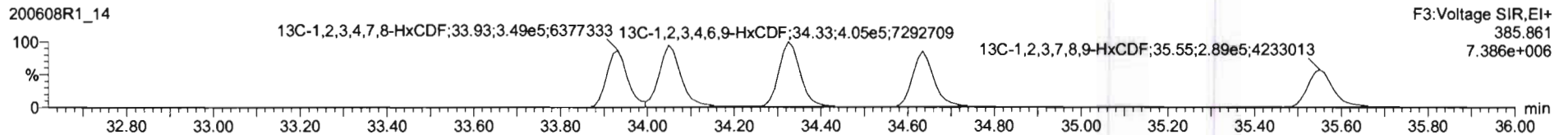
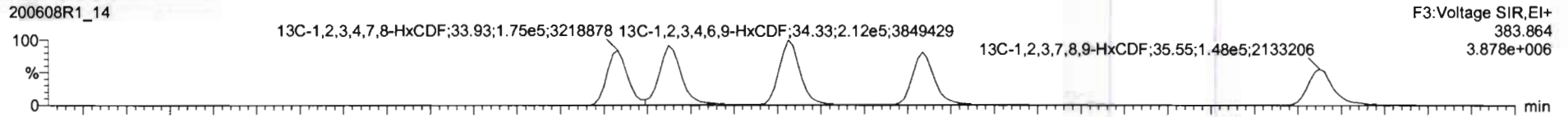
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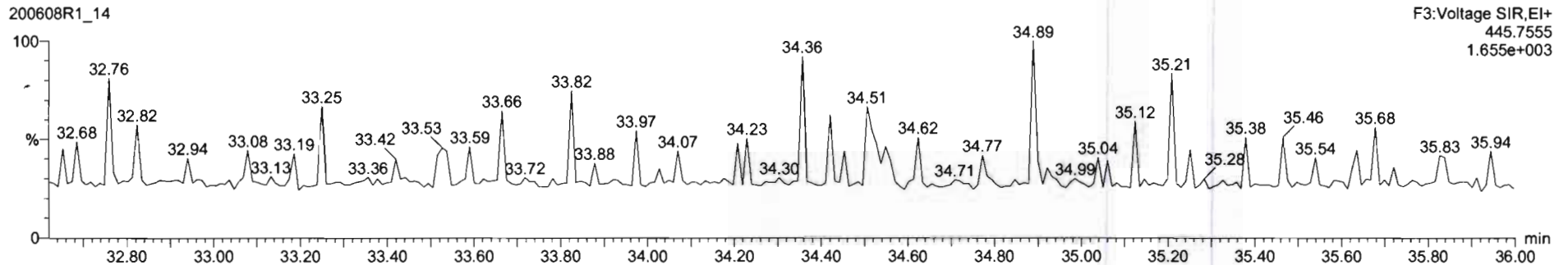
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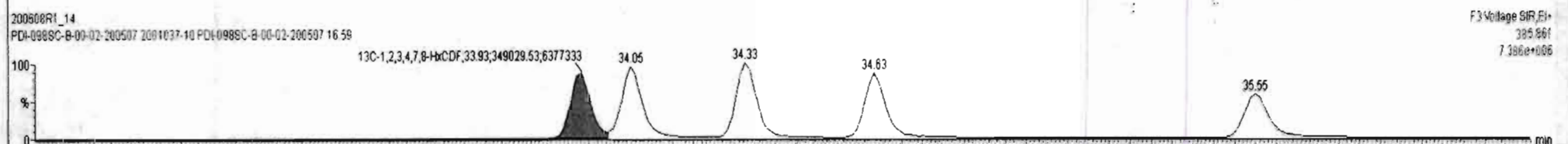
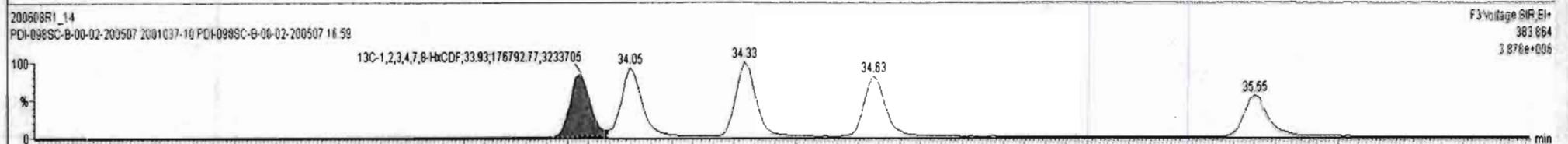
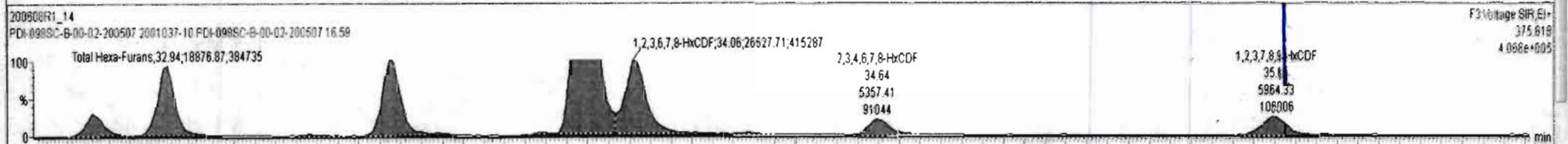
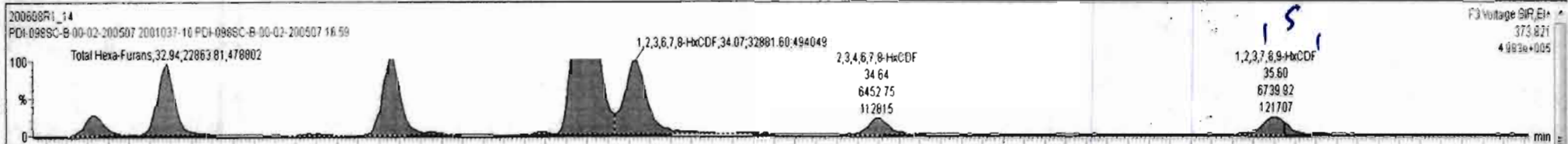
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200608R1_14 - 2001037-10 PDI-098SC-B-00-02-200507 16.59 - PDI-098SC-B-00-02-200507

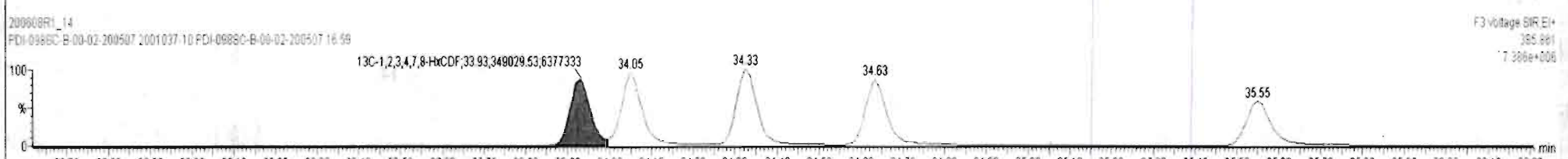
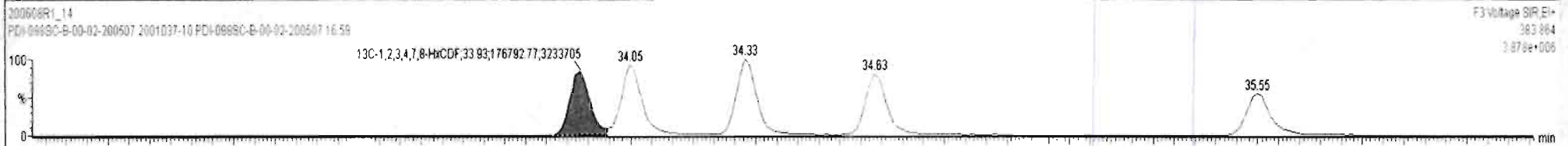
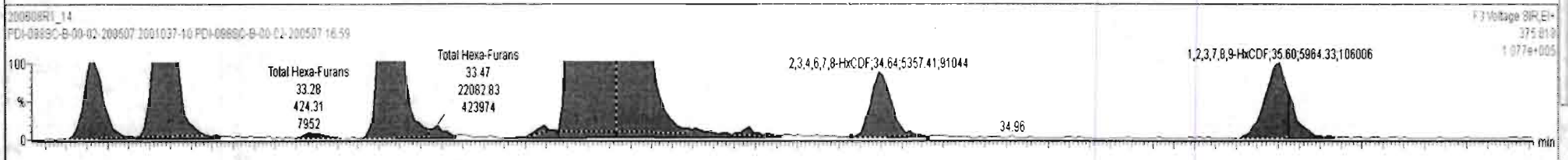
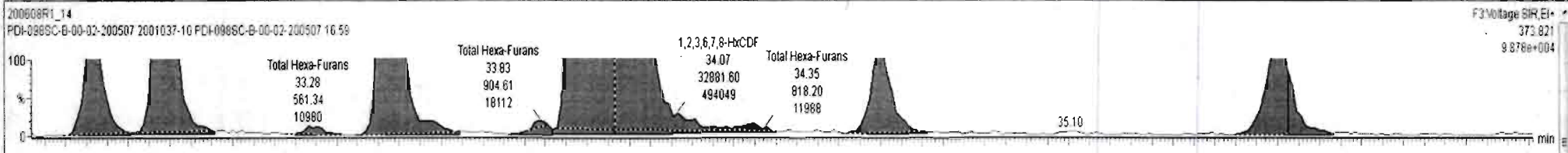
Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.087			115		0.271	115
46 Total Hexa-Furans				0.9341	10.087			167		0.265	167
47 Total Hepta-Furans				0.8734	10.087			124		0.510	125
48 PFKI											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.77	7.310e3	6.100e3	1.20	NO	5.4233	5.4233
2 Total Hexa-Furans	32.94	2.286e4	1.888e4	1.21	NO	16.880	16.880
3 Total Hexa-Furans	33.28	5.613e2	4.243e2	1.32	NO	0.39860	0.39860
4 Total Hexa-Furans	33.48	2.706e4	2.208e4	1.23	NO	19.872	19.872
5 Total Hexa-Furans	33.63	9.046e2	6.239e2	1.10	NO	0.69901	0.69901
1,2,3,4,7,8-HxCDF	33.94	1.133e5	9.404e4	1.21	NO	88.403	88.403
1,2,3,6,7,8-HxCDF	34.07	3.288e4	2.653e4	1.24	NO	22.111	22.111
Total Hexa-Furans	34.35	8.182e2	7.302e2	1.12	NO	0.62617	0.62617
2,3,4,6,7,8-HxCDF	34.64	6.453e3	5.357e3	1.20	NO	4.6622	4.6622
1,2,3,7,8,9-HxCDF	35.60	6.740e3	5.964e3	1.13	NO	6.6223	6.6223
Total Hexa-Furans	35.62	2.151e3	1.677e3	1.26	NO	1.5480	1.5480



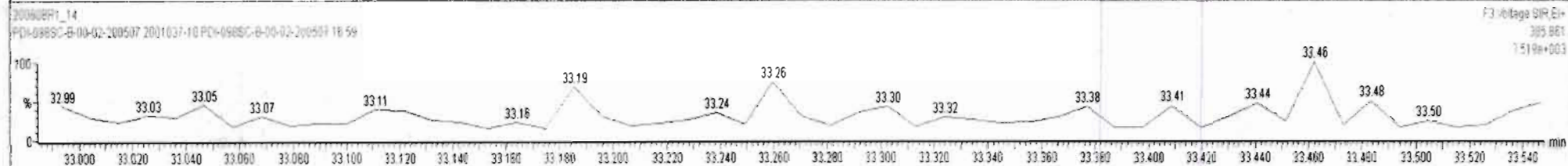
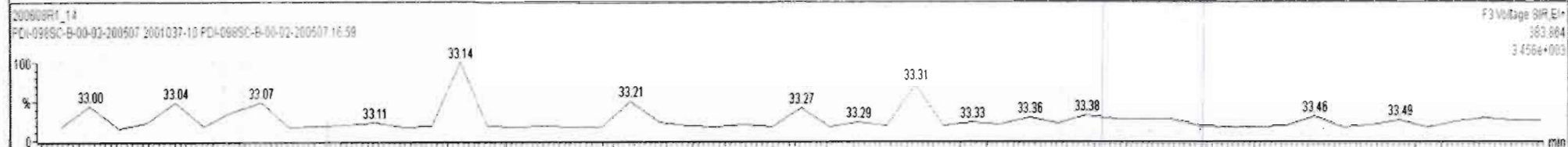
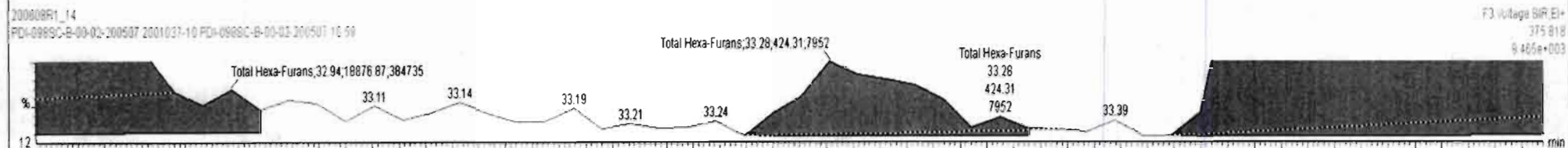
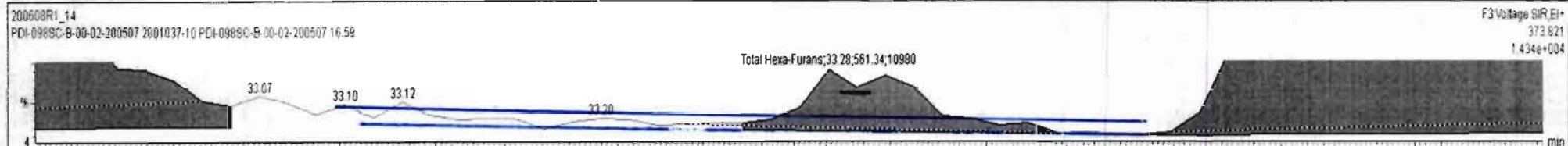
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.087			115		0.271	115
46 Total Hexa-Furans				0.9341	10.087			167		0.265	167
47 Total Hepta-Furans				0.8734	10.087			124		0.510	125
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.77	7.310e3	6.100e3	1.20	NO	5.4233	5.4233
2 Total Hexa-Furans	32.94	2.286e4	1.888e4	1.21	NO	16.680	16.680
3 Total Hexa-Furans	33.28	5.613e2	4.243e2	1.32	NO	0.39860	0.39860
4 Total Hexa-Furans	33.48	2.706e4	2.206e4	1.23	NO	19.872	19.872
5 Total Hexa-Furans	33.83	9.046e2	8.239e2	1.10	NO	0.69901	0.69901
6 1,2,3,4,7,8-HxCDF	33.94	1.133e5	9.404e4	1.21	NO	88.403	88.403
7 1,2,3,6,7,8-HxCDF	34.07	3.288e4	2.653e4	1.24	NO	22.111	22.111
8 Total Hexa-Furans	34.35	8.182e2	7.302e2	1.12	NO	0.62617	0.62617
9 2,3,4,6,7,8-HxCDF	34.64	6.453e3	5.357e3	1.20	NO	4.6622	4.6622
10 1,2,3,7,8,9-HxCDF	35.60	6.740e3	5.964e3	1.13	NO	6.6223	6.6223
11 Total Hexa-Furans	35.62	2.151e3	1.677e3	1.26	NO	1.5480	1.5480



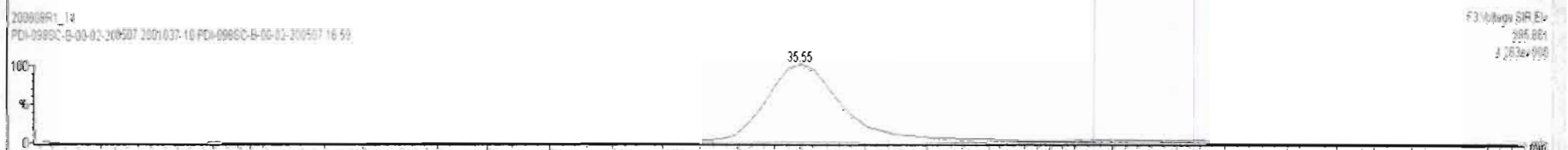
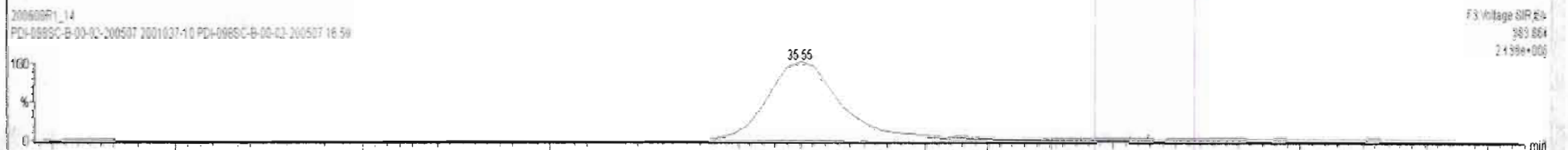
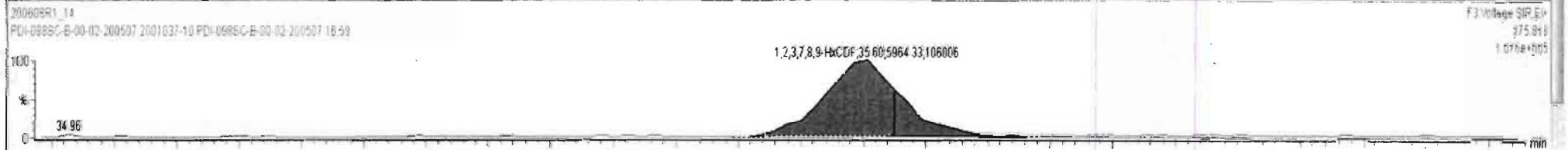
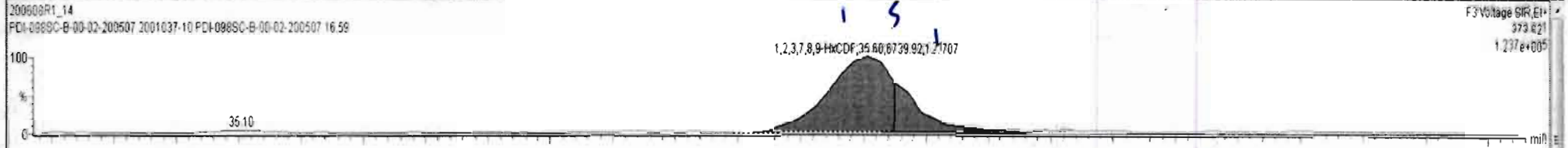
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.087			115		0.271	115
46 Total Hexa-Furans				0.9341	10.087			166		0.264	166
47 Total Hepta-Furans				0.8734	10.087			124		0.510	125
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.77	7.310e3	6.100e3	1.20	NO	5.4282	5.4282
2 Total Hexa-Furans	32.94	2.286e4	1.888e4	1.21	NO	16.895	16.895
3 Total Hexa-Furans	33.28	5.613e2	4.243e2	1.32	NO	0.39896	0.39896
4 Total Hexa-Furans	33.48	2.706e4	2.206e4	1.23	NO	19.890	19.890
5 Total Hexa-Furans	33.83	9.046e2	8.239e2	1.10	NO	0.69964	0.69964
6 1,2,3,4,7,8-HxCDF	33.94	1.133e5	9.404e4	1.21	NO	88.725	88.725
7 1,2,3,6,7,8-HxCDF	34.07	3.297e4	2.651e4	1.24	NO	22.139	22.139
8 Total Hexa-Furans	34.35	8.361e2	7.302e2	1.14	NO	0.63397	0.63397
9 2,3,4,6,7,8-HxCDF	34.64	6.453e3	5.357e3	1.20	NO	4.6622	4.6622
10 1,2,3,7,8,9-HxCDF	35.60	8.869e3	7.605e3	1.17	NO	8.5871	8.5871



Name	Resp	RA	nly	RRF	wAval	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.087			115		0.271	115
46 Total Hexa-Furans				0.9341	10.087			167		0.265	167
47 Total Hepta-Furans				0.8734	10.087			124		0.510	125
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.77	7.310e3	6.100e3	1.20	NO	5.4233	5.4233
2 Total Hexa-Furans	32.94	2.286e4	1.888e4	1.21	NO	16.680	16.680
3 Total Hexa-Furans	33.28	5.613e2	4.243e2	1.32	NO	0.39660	0.39660
4 Total Hexa-Furans	33.48	2.706e4	2.208e4	1.23	NO	19.872	19.872
5 Total Hexa-Furans	33.83	9.046e2	8.239e2	1.10	NO	0.69901	0.69901
6 1,2,3,4,7,8-HxCDF	33.94	1.133e5	9.404e4	1.21	NO	88.403	88.403
7 1,2,3,6,7,8-HxCDF	34.07	3.288e4	2.653e4	1.24	NO	22.111	22.111
8 Total Hexa-Furans	34.35	8.182e2	7.302e2	1.12	NO	0.62617	0.62617
9 2,3,4,6,7,8-HxCDF	34.64	6.453e3	5.357e3	1.20	NO	4.6622	4.6622
10 1,2,3,7,8,9-HxCDF	35.60	6.740e3	5.964e3	1.13	NO	6.6223	6.6223
11 Total Hexa-Furans	35.82	2.151e3	1.677e3	1.28	NO	1.5480	1.5480

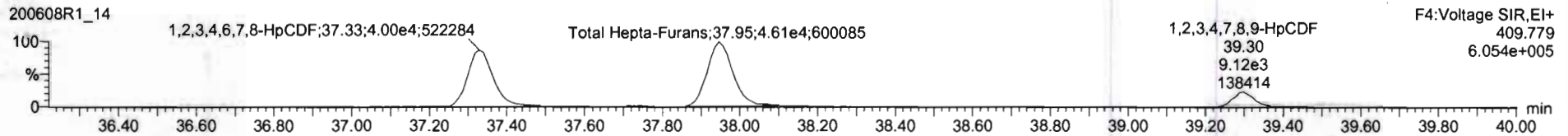
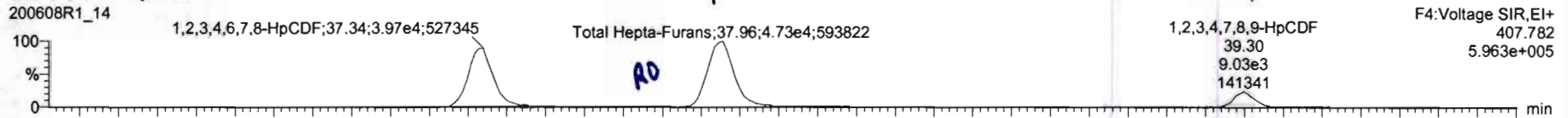


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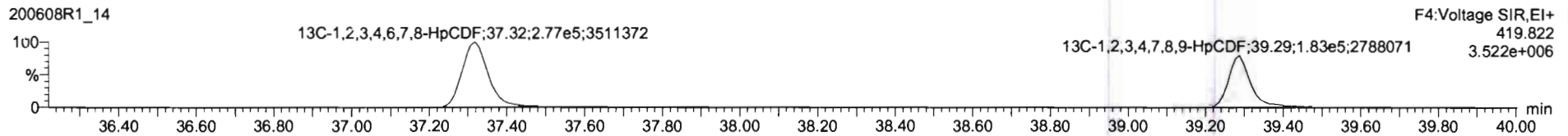
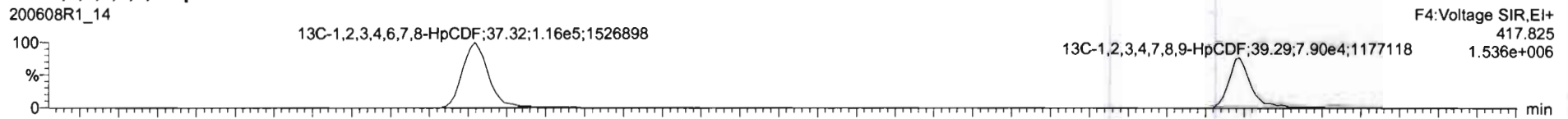
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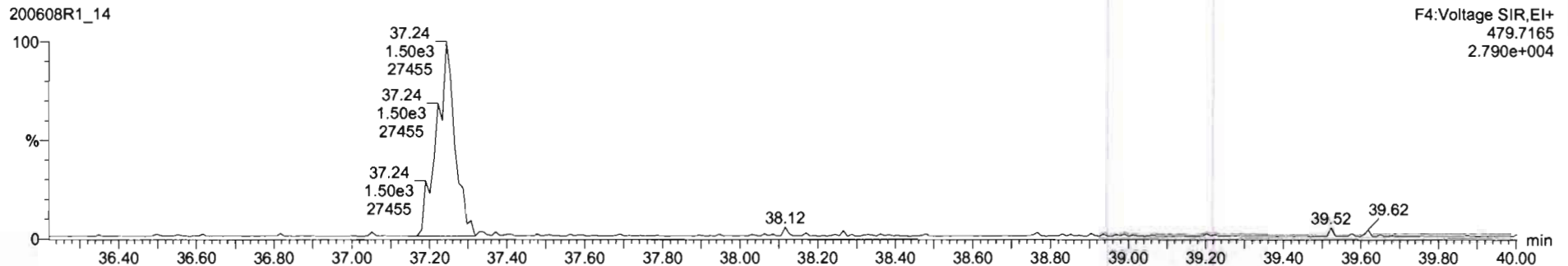
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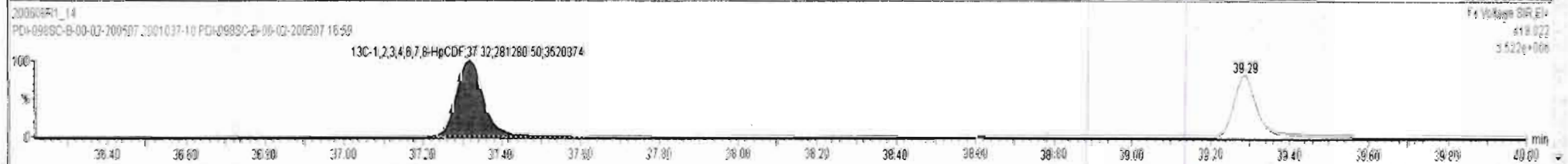
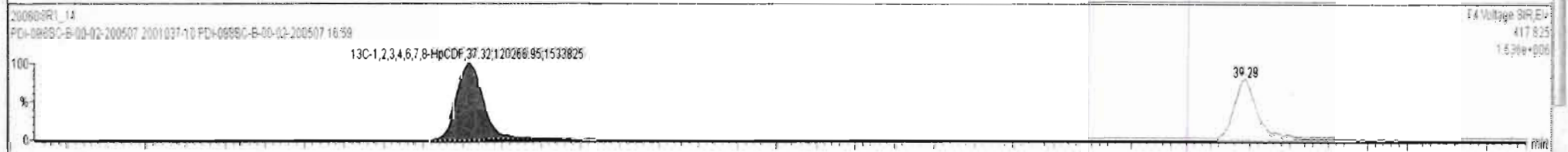
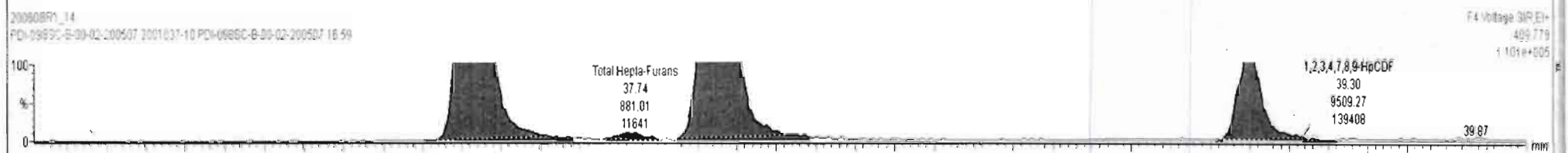
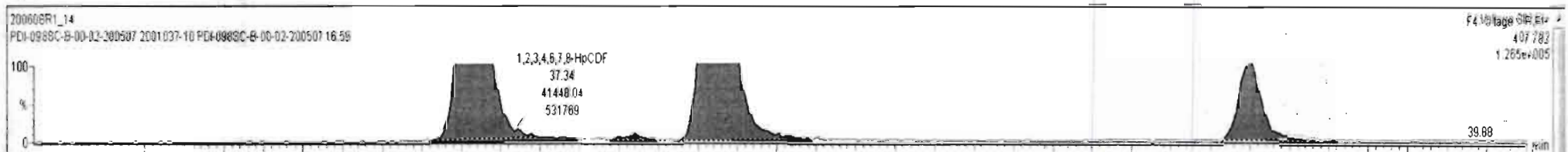


DPE4



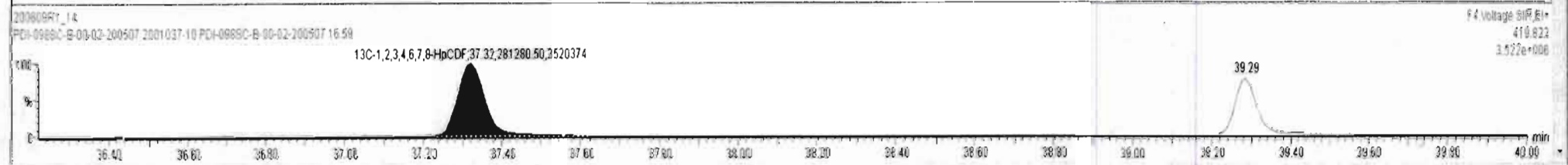
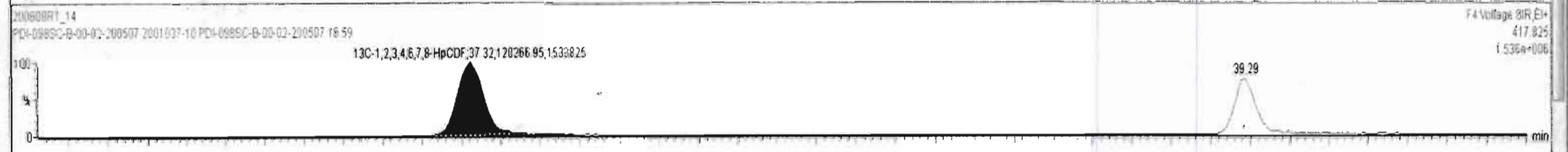
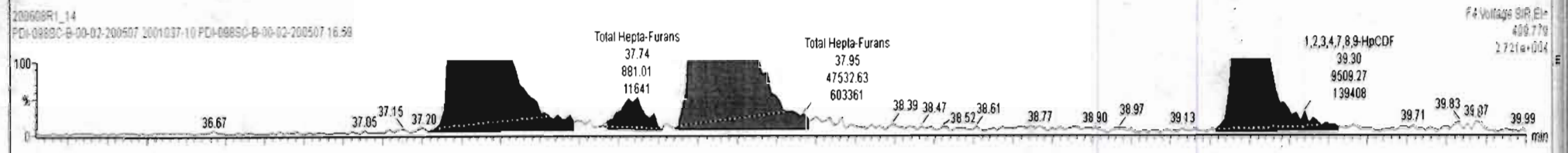
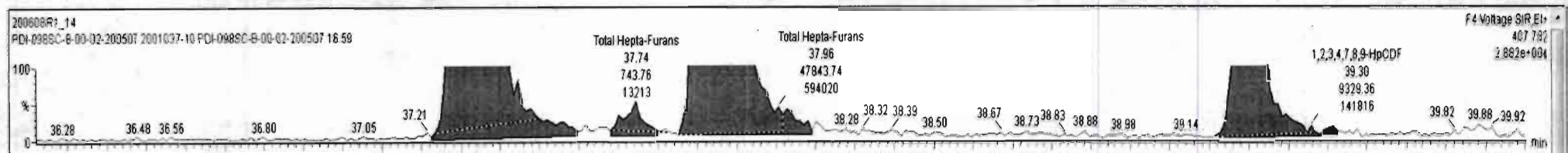
Name	Resp	RA	n/y	RRF	wtAvol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.087			115		0.271	115
46 Total Hexa-Furans				0.9341	10.087			167		0.265	167
47 Total Hepta-Furans				0.8734	10.087			126		0.512	127
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.34	4.145e4	4.122e4	1.01	NO	46.734	46.734
2 Total Hepta-Furans	37.74	7.438e2	8.810e2	0.84	YES	0.99837	0.00000
3 Total Hepta-Furans	37.96	4.784e4	4.753e4	1.01	NO	65.268	65.268
4 1,2,3,4,7,8,9-HpCDF	39.30	9.329e3	9.509e3	0.98	NO	14.080	14.080



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Res	DL	EMPC
47 Total Hepta-Furans				0.8734	10.067			1.26		0.512	127
48 PFK1											
49 PFK2											

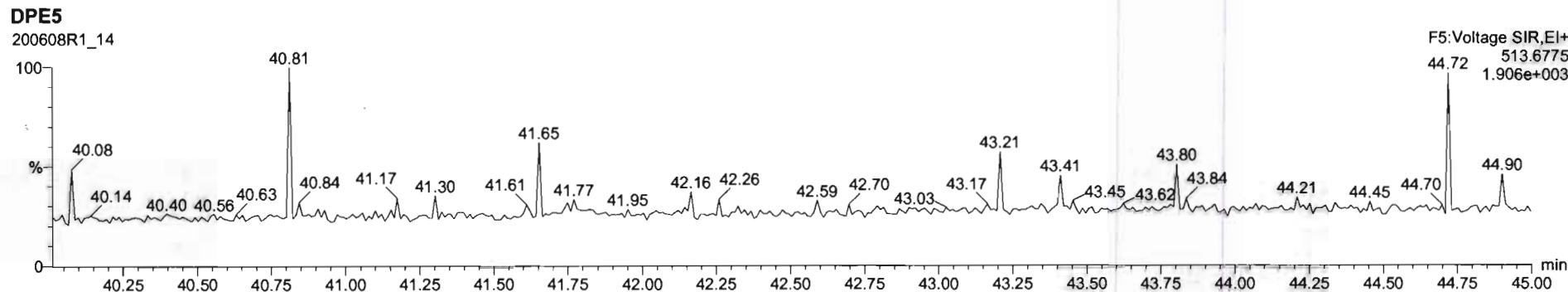
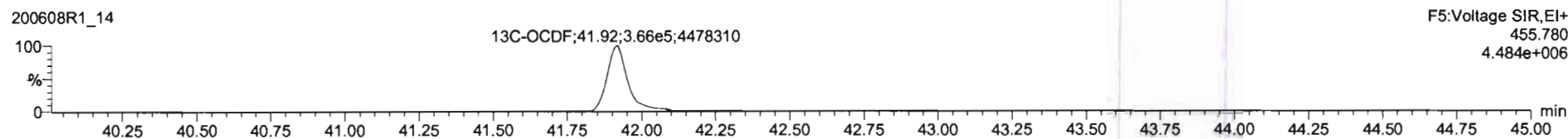
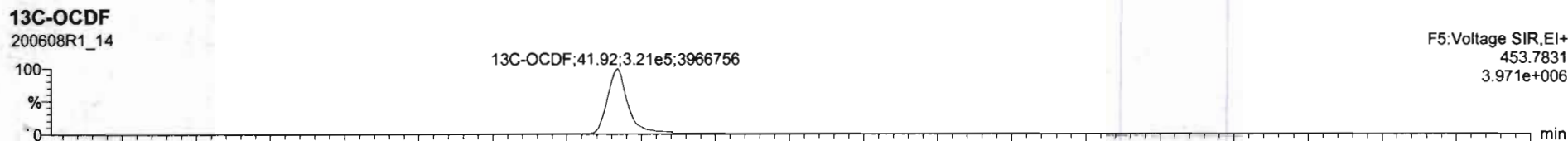
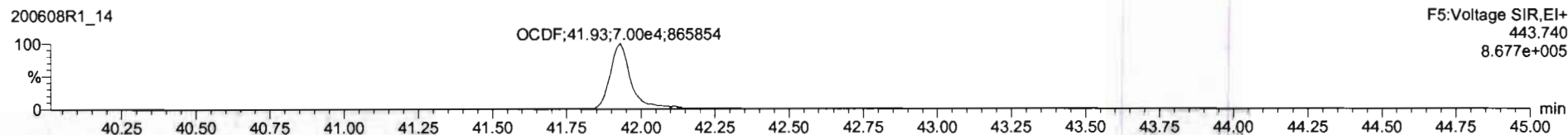
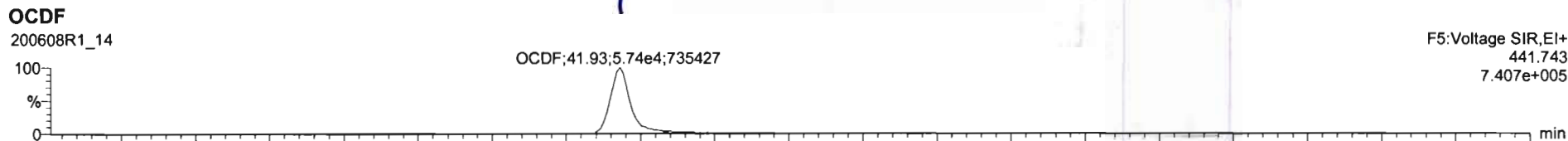
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.34	4.145e4	4.122e4	1.01	NO	46.734	46.734
2 Total Hepta-Furans	37.74	7.438e2	8.810e2	0.84	YES	0.99800	0.00000
3 Total Hepta-Furans	37.96	4.784e4	4.753e4	1.01	NO	65.269	65.269
4 1,2,3,4,7,8,9-HpCDF	39.30	9.329e3	9.509e3	0.98	NO	14.080	14.080



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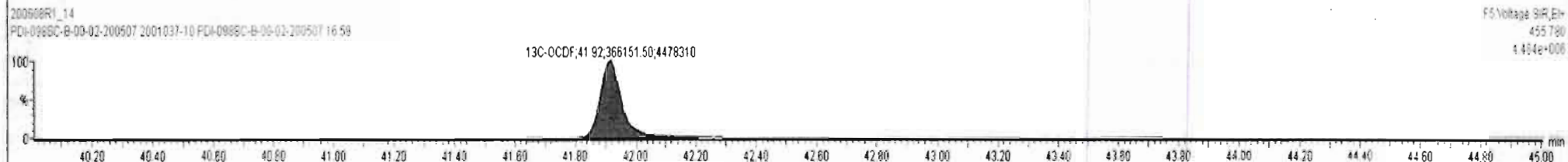
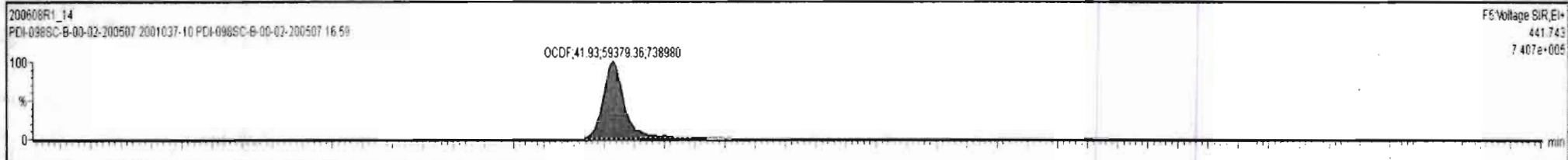
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507



Name	Resp	RA	n/y	RFF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCD	1.29e5	0.85	NO	0.8065	10.087	41.93	1.000	92.4	0.448	92.4
18	13C-2,3,7,8-TCDD	7.49e5	0.79	NO	1.1563	10.087	26.45	1.026	179	80.3	0.260
19	13C-1,2,3,7,8-PeCDD	5.25e5	0.64	NO	0.8490	10.087	31.42	1.218	171	66.1	0.294
20	13C-1,2,3,4,7,8-HxCDD	3.81e5	1.30	NO	0.7790	10.087	34.80	1.014	157	79.2	0.560

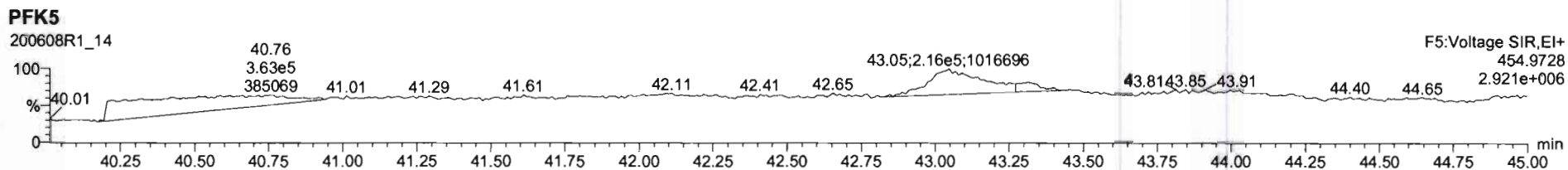
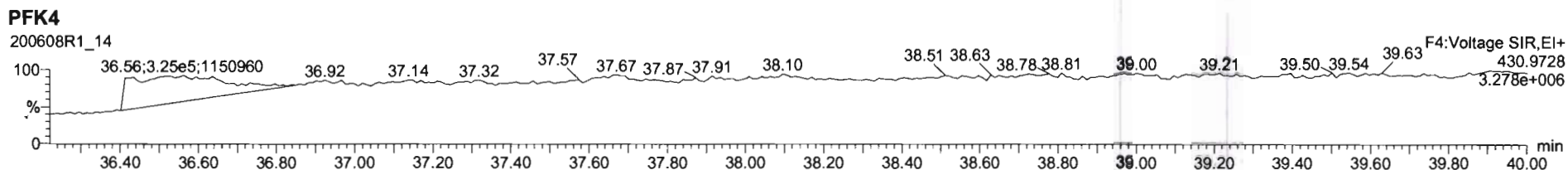
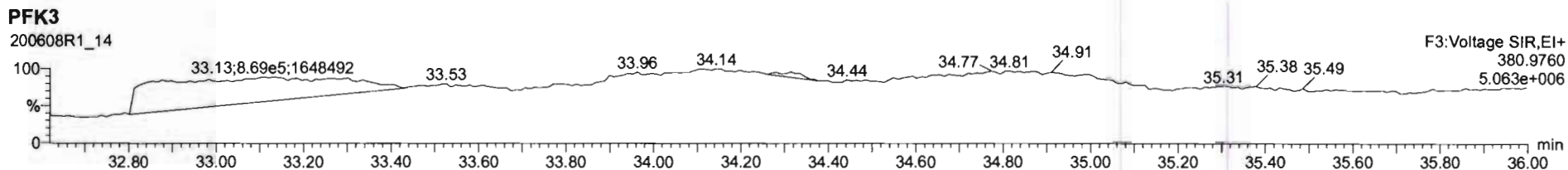
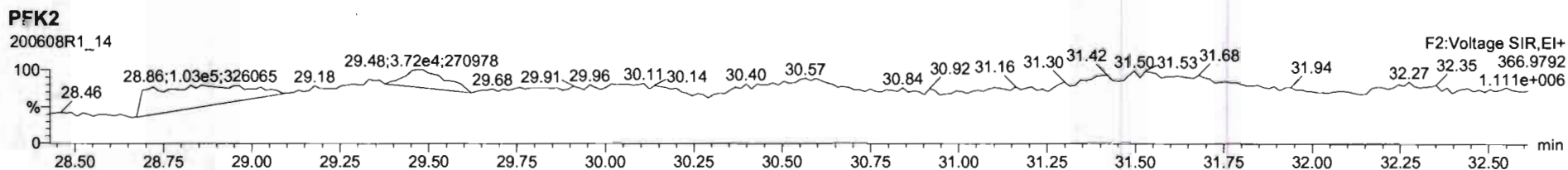
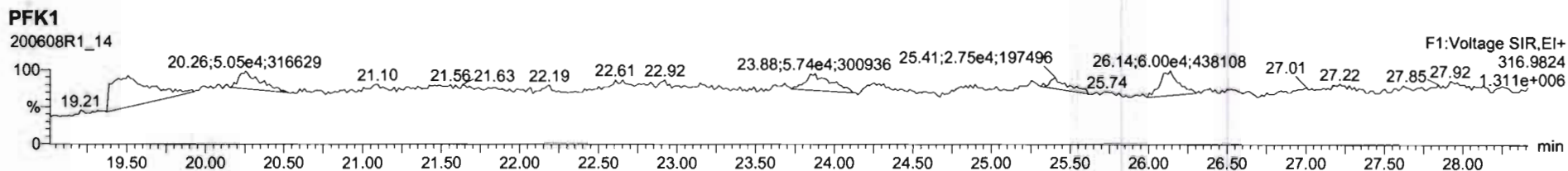
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_14, Date: 08-Jun-2020, Time: 21:45:31, ID: 2001037-10 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-15b.qld

Last Altered: Friday, June 12, 2020 11:39:01 AM Pacific Daylight Time

Printed: Friday, June 12, 2020 11:48:51 AM Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

#	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	2.16e3	0.62	YES	0.888	10.047	26.471	26.47	1.001	1.001	0.64872		0.106	0.570
2	2 1,2,3,7,8-PeCDD	1.61e3	0.71	NO	0.908	10.047	31.442	31.44	1.001	1.000	0.60159		0.118	0.602
3	3 1,2,3,4,7,8-HxCDD	1.03e3	1.24	NO	1.03	10.047	34.804	34.80	1.000	1.000	0.49965		0.311	0.500
4	4 1,2,3,6,7,8-HxCDD	6.48e3	1.17	NO	0.892	10.047	34.900	34.91	1.000	1.000	2.8161		0.320	2.82
5	5 1,2,3,7,8,9-HxCDD	2.65e3	1.21	NO	0.887	10.047	35.199	35.20	1.000	1.000	1.3385		0.373	1.34
6	6 1,2,3,4,6,7,8-HpCDD	1.03e5	1.01	NO	0.864	10.047	38.746	38.74	1.000	1.000	62.416		0.585	62.4
7	7 OCDD	1.04e6	0.88	NO	0.914	10.047	41.727	41.74	1.000	1.000	772.06		0.915	772
8	8 2,3,7,8-TCDF	2.84e5	0.74	NO	0.751	10.047	25.566	25.57	1.001	1.001	71.700	(62.815)	0.207	71.7
9	9 1,2,3,7,8-PeCDF	3.07e5	1.56	NO	0.893	10.047	30.160	30.15	1.001	1.000	80.837		0.333	80.8
10	10 2,3,4,7,8-PeCDF	1.16e5	1.57	NO	0.935	10.047	31.134	31.13	1.001	1.000	29.021		0.286	29.0
11	11 1,2,3,4,7,8-HxCDF	4.97e5	1.21	NO	0.884	10.047	33.920	33.94	1.000	1.001	201.17		0.443	201
12	12 1,2,3,6,7,8-HxCDF	1.07e5	1.21	NO	0.889	10.047	34.058	34.06	1.000	1.000	37.142		0.427	37.1
13	13 2,3,4,6,7,8-HxCDF	1.79e4	1.23	NO	0.934	10.047	34.669	34.64	1.001	1.000	6.5276		0.453	6.53
14	14 1,2,3,7,8,9-HxCDF	1.41e4	1.15	NO	0.871	10.047	35.550	35.59	1.000	1.001	6.8377		0.690	6.84
15	15 1,2,3,4,6,7,8-HpCDF	1.57e5	1.00	NO	0.873	10.047	37.355	37.33	1.001	1.000	85.283		0.486	85.3
16	16 1,2,3,4,7,8,9-HpCDF	4.80e4	1.03	NO	1.01	10.047	39.288	39.30	1.000	1.000	33.039		0.552	33.0
17	17 OCDF	2.13e5	0.84	NO	0.806	10.047	41.919	41.93	1.000	1.000	152.62		0.462	153
18	18 13C-2,3,7,8-TCDD	7.47e5	0.79	NO	1.16	10.047	26.461	26.44	1.026	1.026	184.58	92.7	0.289	
19	19 13C-1,2,3,7,8-PeCDD	5.88e5	0.64	NO	0.849	10.047	31.637	31.42	1.227	1.219	197.75	99.3	0.368	
20	20 13C-1,2,3,4,7,8-HxCDD	3.99e5	1.27	NO	0.779	10.047	34.798	34.79	1.014	1.014	166.96	83.9	0.593	
21	21 13C-1,2,3,6,7,8-HxCDD	5.13e5	1.30	NO	1.02	10.047	34.911	34.90	1.017	1.017	164.62	82.7	0.454	
22	22 13C-1,2,3,7,8,9-HxCDD	4.45e5	1.24	NO	0.903	10.047	35.182	35.19	1.025	1.025	160.84	80.8	0.511	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.79e5	1.04	NO	0.689	10.047	38.703	38.73	1.128	1.129	179.45	90.1	0.585	
24	24 13C-OCDD	5.87e5	0.88	NO	0.652	10.047	41.722	41.73	1.216	1.216	293.69	73.8	0.594	
25	25 13C-2,3,7,8-TCDF	1.05e6	0.78	NO	1.06	10.047	25.504	25.54	0.989	0.991	182.80	91.8	0.361	
26	26 13C-1,2,3,7,8-PeCDF	8.47e5	1.58	NO	0.838	10.047	30.023	30.14	1.165	1.169	186.27	93.6	0.566	
27	27 13C-2,3,4,7,8-PeCDF	8.50e5	1.60	NO	0.817	10.047	30.975	31.11	1.202	1.207	191.71	96.3	0.580	
28	28 13C-1,2,3,4,7,8-HxCDF	5.56e5	0.51	NO	1.01	10.047	33.930	33.92	0.989	0.989	180.21	90.5	0.650	
29	29 13C-1,2,3,6,7,8-HxCDF	6.42e5	0.51	NO	1.17	10.047	34.053	34.05	0.992	0.992	179.51	90.2	0.562	
30	30 13C-2,3,4,6,7,8-HxCDF	5.84e5	0.49	NO	1.02	10.047	34.626	34.63	1.009	1.009	186.58	93.7	0.641	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-15b.qld

Last Altered: Friday, June 12, 2020 11:39:01 AM Pacific Daylight Time

Printed: Friday, June 12, 2020 11:48:51 AM Pacific Daylight Time

Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	4.71e5	0.51	NO	0.860	10.047	35.525	35.55	1.035	1.036	178.69	89.8	0.762	
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.20e5	0.43	NO	0.774	10.047	37.272	37.32	1.086	1.088	176.86	88.8	0.663	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.86e5	0.41	NO	0.521	10.047	39.300	39.29	1.145	1.145	178.87	89.9	0.985	
34	34 13C-OCDF	6.89e5	0.82	NO	0.746	10.047	41.894	41.92	1.221	1.222	301.50	75.7	0.723	
35	35 37Cl-2,3,7,8-TCDD	2.94e5			1.04	10.047	26.492	26.47	1.028	1.027	80.991	102	0.0951	
36	36 13C-1,2,3,4-TCDD	6.97e5	0.81	NO	1.00	10.047	25.890	25.78	1.000	1.000	199.06	100	0.334	
37	37 13C-1,2,3,4-TCDF	1.08e6	0.78	NO	1.00	10.047	24.360	24.09	1.000	1.000	199.06	100	0.383	
38	38 13C-1,2,3,4,6,9-HxCDF	6.10e5	0.51	NO	1.00	10.047	34.420	34.31	1.000	1.000	199.06	100	0.655	
39	39 Total Tetra-Dioxins				0.888	10.047	24.620		0.000		4.6361		0.106	6.21
40	40 Total Penta-Dioxins				0.908	10.047	29.960		0.000		5.5087		0.118	6.51
41	41 Total Hexa-Dioxins				0.892	10.047	33.635		0.000		28.456		0.348	29.2
42	42 Total Hepta-Dioxins				0.864	10.047	37.640		0.000		141.41		0.585	141
43	43 Total Tetra-Furans				0.751	10.047	23.610		0.000		188.62		0.207	195
44	44 1st Func. Penta-Furans				0.893	10.047	27.580		0.000		9.8857		0.0370	9.89
45	45 Total Penta-Furans				0.893	10.047	29.275		0.000		197.69		0.316	198
46	46 Total Hexa-Furans				0.934	10.047	33.555		0.000		299.50		0.471	300
47	47 Total Hepta-Furans				0.873	10.047	37.835		0.000		184.87		0.548	185

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Dataset: U:\VG12.PRO\Results\200608R1\200608R1-15b.qld

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Printed: Friday, June 12, 2020 11:48:51 AM Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.43	3.357e4	3.979e4	3.088e3	3.790e3	0.81	NO	6.879e3	2.0635	2.0635	0.106
2	Total Tetra-Dioxins	22.86	1.281e4	1.707e4	1.147e3	1.704e3	0.67	NO	2.851e3	0.85512	0.85512	0.106
3	Total Tetra-Dioxins	23.37	5.812e3	7.055e3	4.819e2	5.841e2	0.83	NO	1.066e3	0.31977	0.31977	0.106
4	Total Tetra-Dioxins	24.27	5.631e3	9.339e3	4.418e2	5.812e2	0.76	NO	1.023e3	0.30687	0.30687	0.106
5	Total Tetra-Dioxins	24.54	5.080e3	6.168e3	5.516e2	5.635e2	0.98	YES	0.000e0	0.00000	0.29919	0.106
6	Total Tetra-Dioxins	24.73	1.193e4	8.645e3	6.519e2	6.617e2	0.99	YES	0.000e0	0.00000	0.35133	0.106
7	Total Tetra-Dioxins	24.97	3.003e3	4.598e3	2.301e2	2.762e2	0.83	NO	5.063e2	0.15188	0.15188	0.106
8	Total Tetra-Dioxins	25.21	2.865e3	3.840e3	2.037e2	2.719e2	0.75	NO	4.755e2	0.14265	0.14265	0.106
9	Total Tetra-Dioxins	25.39	4.040e3	4.793e3	2.772e2	2.908e2	0.95	YES	0.000e0	0.00000	0.15443	0.106
10	Total Tetra-Dioxins	25.78	4.510e3	7.410e3	2.916e2	4.748e2	0.61	YES	0.000e0	0.00000	0.20108	0.106
11	Total Tetra-Dioxins	26.18	1.305e4	1.031e4	9.615e2	1.086e3	0.89	NO	2.048e3	0.61434	0.61434	0.106
12	2,3,7,8-TCDD	26.47	1.340e4	1.855e4	8.270e2	1.336e3	0.62	YES	2.163e3	0.00000	0.57024	0.106
13	Total Tetra-Dioxins	26.80	3.270e3	5.352e3	2.738e2	3.332e2	0.82	NO	6.069e2	0.18207	0.18207	0.106

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	2.295e4	3.982e4	1.727e3	2.989e3	0.58	NO	4.717e3	1.7597	1.7597	0.118
2	Total Penta-Dioxins	29.68	8.066e3	1.422e4	4.675e2	8.070e2	0.58	NO	1.274e3	0.47547	0.47547	0.118
3	Total Penta-Dioxins	30.18	1.807e4	2.906e4	1.003e3	1.446e3	0.69	NO	2.449e3	0.91356	0.91356	0.118
4	Total Penta-Dioxins	30.35	1.644e4	1.595e4	7.147e2	8.972e2	0.80	YES	0.000e0	0.00000	0.54560	0.118
5	Total Penta-Dioxins	30.46	9.495e3	1.579e4	5.050e2	8.777e2	0.58	NO	1.383e3	0.51583	0.51583	0.118
6	Total Penta-Dioxins	30.66	1.393e4	2.150e4	1.116e3	1.620e3	0.69	NO	2.736e3	1.0207	1.0207	0.118
7	Total Penta-Dioxins	31.01	5.856e3	8.681e3	3.312e2	4.410e2	0.75	YES	0.000e0	0.00000	0.26817	0.118
8	1,2,3,7,8-PeCDD	31.44	1.250e4	1.616e4	6.676e2	9.449e2	0.71	NO	1.613e3	0.60159	0.60159	0.118
9	Total Penta-Dioxins	31.51	5.117e3	5.423e3	2.334e2	3.612e2	0.65	NO	5.946e2	0.22185	0.22185	0.118
10	Total Penta-Dioxins	31.82	4.603e3	1.358e4	1.940e2	5.071e2	0.38	YES	0.000e0	0.00000	0.18726	0.118

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Dataset: U:\VG12.PRO\Results\200608R1\200608R1-15b.qld

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Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.30	2.238e5	1.725e5	1.155e4	8.856e3	1.30	NO	2.040e4	10.067	10.067	0.348
2	Total Hexa-Dioxins	33.87	2.297e4	2.045e4	1.310e3	1.064e3	1.23	NO	2.374e3	1.1712	1.1712	0.348
3	Total Hexa-Dioxins	34.13	2.052e5	1.571e5	1.393e4	1.093e4	1.27	NO	2.486e4	12.267	12.267	0.348
4	Total Hexa-Dioxins	34.23	1.357e4	1.243e4	7.515e2	7.071e2	1.06	NO	0.000e0	0.00000	0.71965	0.348
5	1,2,3,4,7,8-HxCDD	34.80	1.087e4	9.695e3	5.721e2	4.618e2	1.24	NO	1.034e3	0.49965	0.49965	0.311
6	1,2,3,6,7,8-HxCDD	34.91	5.714e4	4.323e4	3.486e3	2.989e3	1.17	NO	6.475e3	2.8161	2.8161	0.320
7	Total Hexa-Dioxins	35.08	5.897e3	6.527e3	3.087e2	2.926e2	1.06	NO	6.013e2	0.29668	0.29668	0.348
8	1,2,3,7,8,9-HxCDD	35.20	2.441e4	2.108e4	1.453e3	1.200e3	1.21	NO	2.654e3	1.3385	1.3385	0.373

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.72	7.955e5	7.633e5	6.586e4	6.407e4	1.03	NO	1.299e5	78.989	78.989	0.585
2	1,2,3,4,6,7,8-HpCDD	38.74	6.827e5	6.825e5	5.147e4	5.120e4	1.01	NO	1.027e5	62.416	62.416	0.585

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-15b.qld

Last Altered: Friday, June 12, 2020 11:39:01 AM Pacific Daylight Time

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Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.29	1.042e4	1.829e4	8.650e2	1.213e3	0.71	NO	2.078e3	0.52407	0.52407	0.207
2	Total Tetra-Furans	20.83	2.388e4	3.327e4	1.950e3	2.526e3	0.77	NO	4.476e3	1.1289	1.1289	0.207
3	Total Tetra-Furans	21.44	8.188e4	1.003e5	6.966e3	9.296e3	0.75	NO	1.626e4	4.1013	4.1013	0.207
4	Total Tetra-Furans	21.99	4.102e4	5.867e4	6.300e3	8.828e3	0.71	NO	1.513e4	3.8153	3.8153	0.207
5	Total Tetra-Furans	22.40	2.467e5	3.350e5	2.475e4	3.442e4	0.72	NO	5.917e4	14.922	14.922	0.207
6	Total Tetra-Furans	22.91	8.868e4	1.192e5	8.607e3	1.171e4	0.73	NO	2.032e4	5.1241	5.1241	0.207
7	Total Tetra-Furans	23.04	1.990e4	2.522e4	1.657e3	2.098e3	0.79	NO	3.754e3	0.94687	0.94687	0.207
8	Total Tetra-Furans	23.25	5.538e4	6.703e4	4.775e3	6.643e3	0.72	NO	1.142e4	2.8795	2.8795	0.207
9	Total Tetra-Furans	23.71	1.103e4	1.669e4	9.926e2	1.386e3	0.72	NO	2.379e3	0.59999	0.59999	0.207
10	Total Tetra-Furans	23.83	1.425e4	1.631e4	1.239e3	1.558e3	0.80	NO	2.796e3	0.70521	0.70521	0.207
11	Total Tetra-Furans	24.03	6.488e4	8.579e4	4.233e3	5.635e3	0.75	NO	9.868e3	2.4886	2.4886	0.207
12	Total Tetra-Furans	24.09	1.279e5	1.622e5	1.362e4	1.741e4	0.78	NO	3.103e4	7.8255	7.8255	0.207
13	Total Tetra-Furans	24.63	1.215e6	1.591e6	9.934e4	1.318e5	0.75	NO	2.311e5	58.284	58.284	0.207
14	Total Tetra-Furans	24.91	4.985e4	5.479e4	4.605e3	5.825e3	0.79	NO	1.043e4	2.6302	2.6302	0.207
15	Total Tetra-Furans	25.11	1.106e4	1.565e4	1.201e3	1.598e3	0.75	NO	2.799e3	0.70598	0.70598	0.207
16	Total Tetra-Furans	25.35	1.967e4	2.832e4	1.243e3	1.747e3	0.71	NO	2.990e3	0.75419	0.75419	0.207
17	Total Tetra-Furans	25.45	1.505e5	2.107e5	9.005e3	1.247e4	0.72	NO	2.148e4	5.4162	5.4162	0.207
18	2,3,7,8-TCDF	25.57	1.594e6	2.106e6	1.212e5	1.631e5	0.74	NO	2.843e5	71.700	71.700	0.207
19	Total Tetra-Furans	25.94	6.953e4	9.354e4	5.485e3	7.667e3	0.72	NO	1.315e4	3.3169	3.3169	0.207
20	Total Tetra-Furans	26.18	1.290e4	1.650e4	9.871e2	1.348e3	0.73	NO	2.335e3	0.58898	0.58898	0.207
21	Total Tetra-Furans	26.99	1.313e4	7.130e3	9.649e2	5.759e2	1.68	YES	0.000e0	0.00000	0.25706	0.207
22	Total Tetra-Furans	27.11	5.208e3	7.793e3	2.961e2	3.560e2	0.83	NO	6.521e2	0.16445	0.16445	0.207
23	Total Tetra-Furans	27.26	8.124e3	7.059e3	5.534e2	4.583e2	1.21	YES	0.000e0	0.00000	0.20458	0.207
24	Total Tetra-Furans	27.58	1.889e5	1.965e5	1.332e4	1.321e4	1.01	YES	0.000e0	0.00000	5.8953	0.207

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	3.666e5	2.307e5	2.288e4	1.473e4	1.55	NO	3.762e4	9.8857	9.8857	0.0370

Quantify Totals Report MassLynx 4.1 SCN815

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-15b.qld

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Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.01	5.576e4	4.078e4	3.437e3	2.390e3	1.44	NO	5.827e3	1.5313	1.5313	0.316
2	Total Penta-Furans	29.16	1.379e6	8.909e5	8.722e4	5.612e4	1.55	NO	1.433e5	37.668	37.668	0.316
3	Total Penta-Furans	29.74	9.201e4	4.786e4	7.605e3	4.948e3	1.54	NO	1.255e4	3.2989	3.2989	0.316
4	Total Penta-Furans	29.96	3.029e5	1.955e5	1.668e4	1.055e4	1.58	NO	2.723e4	7.1562	7.1562	0.316
5	1,2,3,7,8-PeCDF	30.15	3.185e6	2.073e6	1.871e5	1.200e5	1.56	NO	3.072e5	80.837	80.837	0.333
6	Total Penta-Furans	30.41	9.814e5	6.015e5	5.469e4	3.447e4	1.59	NO	8.916e4	23.430	23.430	0.316
7	Total Penta-Furans	30.92	1.141e4	9.640e3	5.071e2	4.121e2	1.23	YES	0.000e0	0.00000	0.21924	0.316
8	Total Penta-Furans	31.02	2.478e4	1.812e4	1.224e3	8.740e2	1.40	NO	2.098e3	0.55135	0.55135	0.316
9	2,3,4,7,8-PeCDF	31.13	1.399e6	9.149e5	7.068e4	4.515e4	1.57	NO	1.158e5	29.021	29.021	0.286
10	Total Penta-Furans	31.16	9.769e5	6.129e5	2.727e4	1.648e4	1.65	NO	4.375e4	11.498	11.498	0.316
11	Total Penta-Furans	31.44	1.446e4	1.528e4	1.194e3	8.178e2	1.46	NO	2.012e3	0.52876	0.52876	0.316
12	Total Penta-Furans	32.06	9.349e4	5.834e4	4.946e3	3.294e3	1.50	NO	8.241e3	2.1656	2.1656	0.316

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.75	9.648e4	8.694e4	4.995e3	4.371e3	1.14	NO	9.366e3	3.5427	3.5427	0.471
2	Total Hexa-Furans	32.93	4.418e5	3.696e5	2.339e4	1.885e4	1.24	NO	4.224e4	15.978	15.978	0.471
3	Total Hexa-Furans	33.28	1.343e4	1.257e4	7.550e2	6.377e2	1.18	NO	1.393e3	0.52681	0.52681	0.471
4	Total Hexa-Furans	33.46	5.290e5	4.380e5	2.776e4	2.260e4	1.23	NO	5.036e4	19.049	19.049	0.471
5	Total Hexa-Furans	33.82	2.418e4	1.994e4	1.020e3	8.274e2	1.23	NO	1.848e3	0.69887	0.69887	0.471
6	1,2,3,4,7,8-HxCDF	33.94	4.784e6	3.949e6	2.718e5	2.256e5	1.21	NO	4.974e5	201.17	201.17	0.443
7	1,2,3,6,7,8-HxCDF	34.06	9.128e5	7.667e5	5.839e4	4.813e4	1.21	NO	1.065e5	37.142	37.142	0.427
8	Total Hexa-Furans	34.34	1.857e4	2.249e4	1.279e3	1.212e3	1.06	NO	2.491e3	0.94229	0.94229	0.471
9	2,3,4,6,7,8-HxCDF	34.64	1.651e5	1.460e5	9.885e3	8.014e3	1.23	NO	1.790e4	6.5276	6.5276	0.453
10	1,2,3,7,8,9-HxCDF	35.59	2.458e5	2.023e5	7.527e3	6.552e3	1.15	NO	1.408e4	6.8377	6.8377	0.690
11	Total Hexa-Furans	35.60	2.593e5	2.027e5	1.024e4	8.496e3	1.21	NO	1.874e4	7.0882	7.0882	0.471

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Dataset: U:\VG12.PRO\Results\200608R1\200608R1-15b.qld

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Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.33	1.031e6	9.993e5	7.866e4	7.842e4	1.00	NO	1.571e5	85.283	85.283	0.486
2	Total Hepta-Furans	37.74	1.726e4	2.243e4	1.723e3	1.750e3	0.98	NO	3.474e3	2.2447	2.2447	0.548
3	Total Hepta-Furans	37.95	6.103e5	6.101e5	4.970e4	4.981e4	1.00	NO	9.951e4	64.303	64.303	0.548
4	1,2,3,4,7,8,9-HpCDF	39.30	3.695e5	3.314e5	2.433e4	2.368e4	1.03	NO	4.801e4	33.039	33.039	0.552

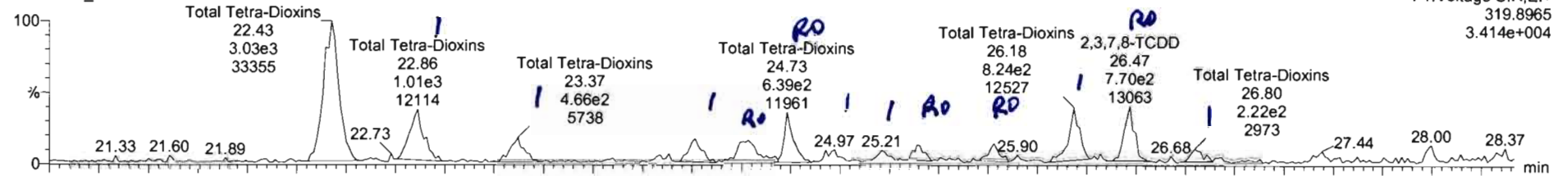
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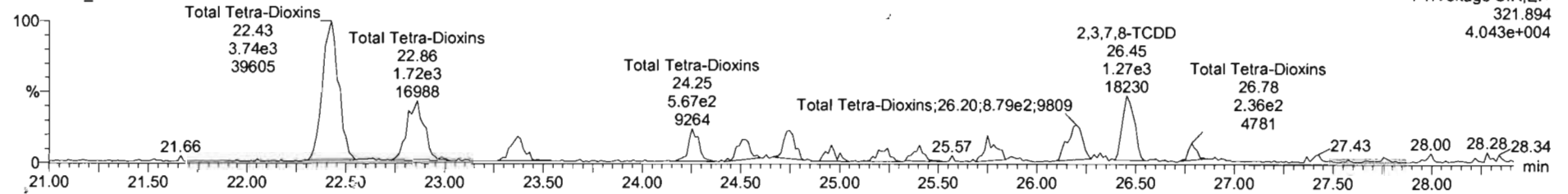
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2,3,7,8-TCDD

200608R1_15

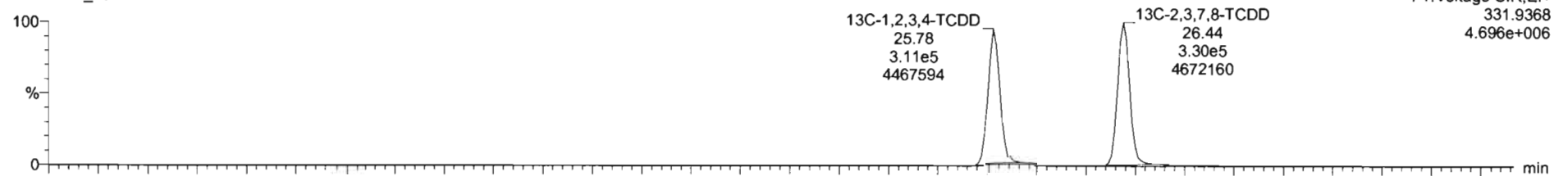


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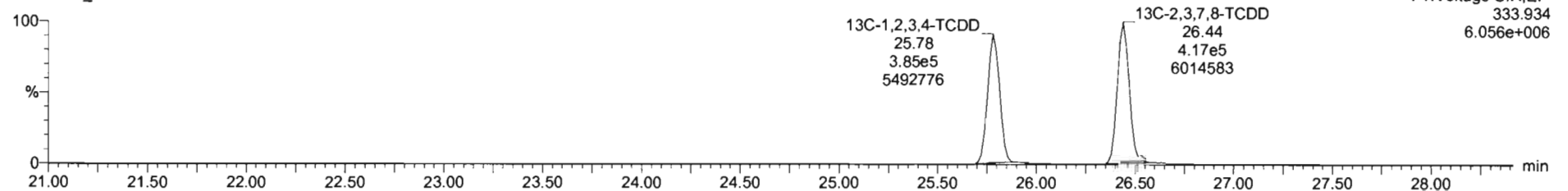


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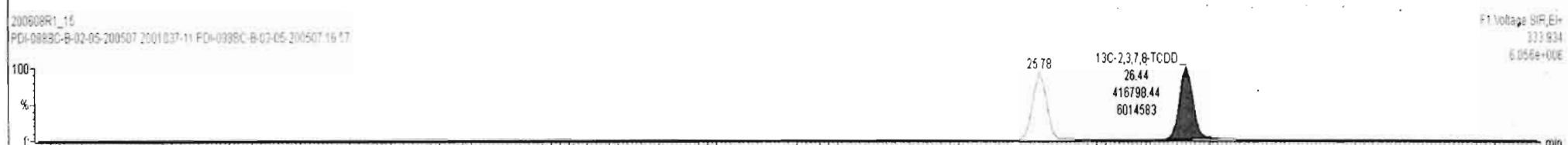
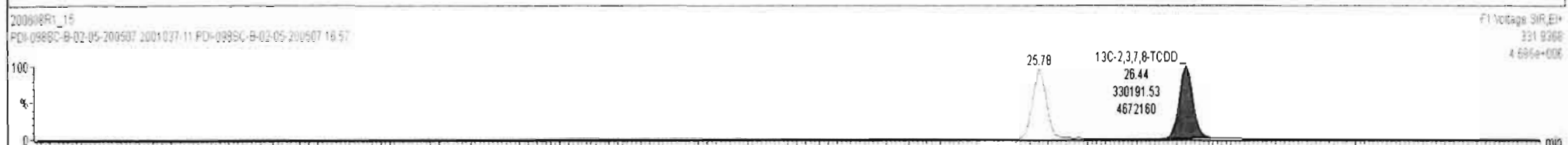
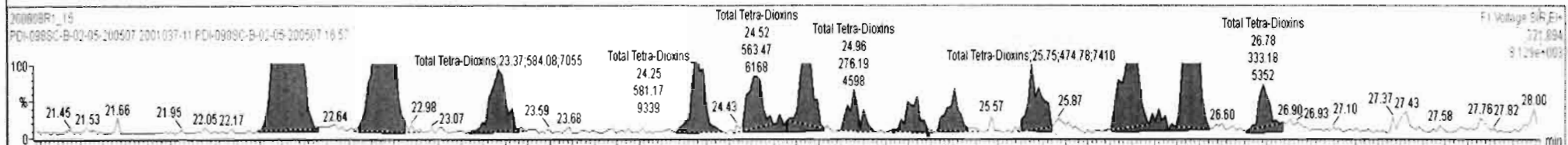
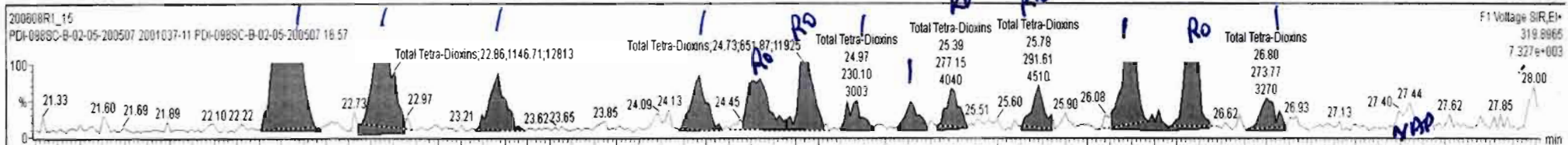


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Name	Resp	RA	nly	RRF	wMol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.047			4.64		0.106	6.21

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Tetra-Dioxins	22.43	3.088e3	3.790e3	0.81	NO	2.0635	2.0635
2 Total Tetra-Dioxins	22.86	1.147e3	1.704e3	0.67	NO	0.85512	0.85512
3 Total Tetra-Dioxins	23.37	4.819e2	5.841e2	0.83	NO	0.31977	0.31977
4 Total Tetra-Dioxins	24.27	4.418e2	5.812e2	0.76	NO	0.30687	0.30687
5 Total Tetra-Dioxins	24.54	5.516e2	5.635e2	0.98	YES	0.29919	0.00000
6 Total Tetra-Dioxins	24.73	6.519e2	6.617e2	0.99	YES	0.35133	0.00000
7 Total Tetra-Dioxins	24.97	2.301e2	2.762e2	0.83	NO	0.15188	0.15188
8 Total Tetra-Dioxins	25.21	2.037e2	2.719e2	0.75	NO	0.14265	0.14265
9 Total Tetra-Dioxins	25.39	2.772e2	2.908e2	0.95	YES	0.15443	0.00000
10 Total Tetra-Dioxins	25.78	2.916e2	4.748e2	0.61	YES	0.20108	0.00000
11 Total Tetra-Dioxins	26.18	9.615e2	1.088e3	0.89	NO	0.61434	0.61434
12 2,3,7,8-TCDD	26.47	8.270e2	1.336e3	0.62	YES	0.57024	0.00000
13 Total Tetra-Dioxins	26.80	2.738e2	3.332e2	0.82	NO	0.18207	0.18207



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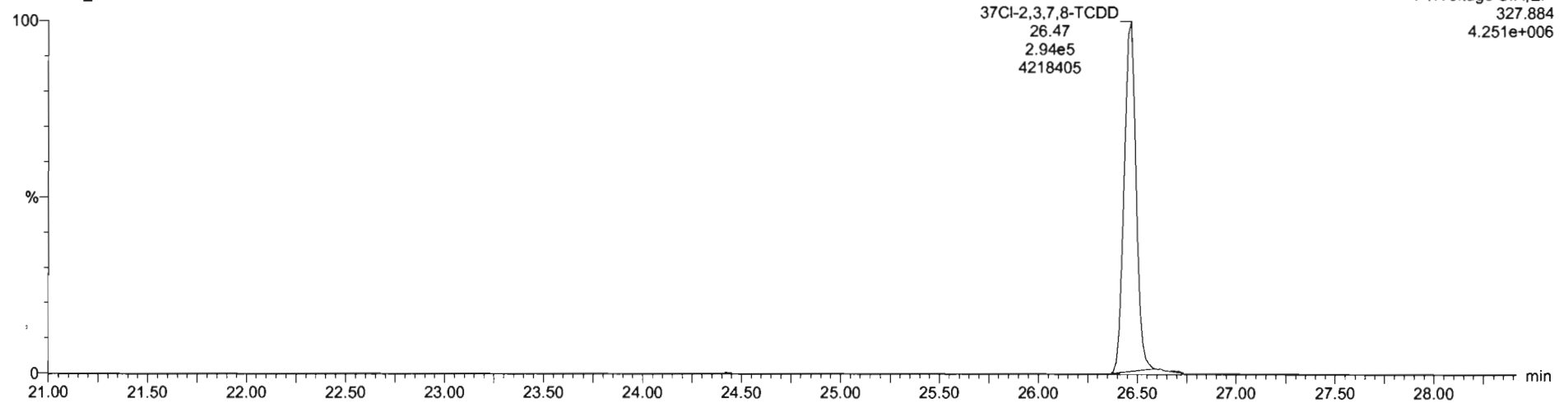
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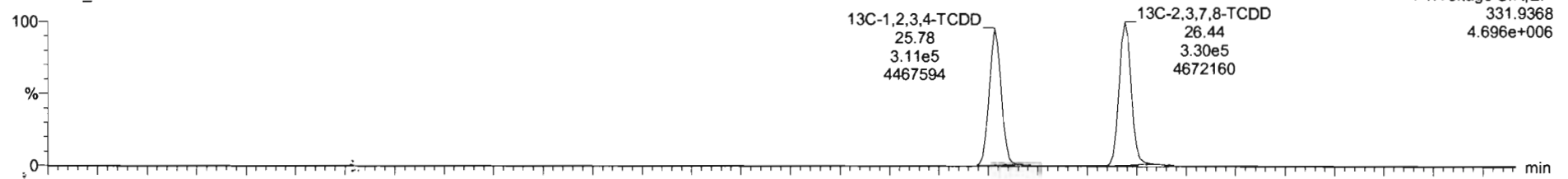
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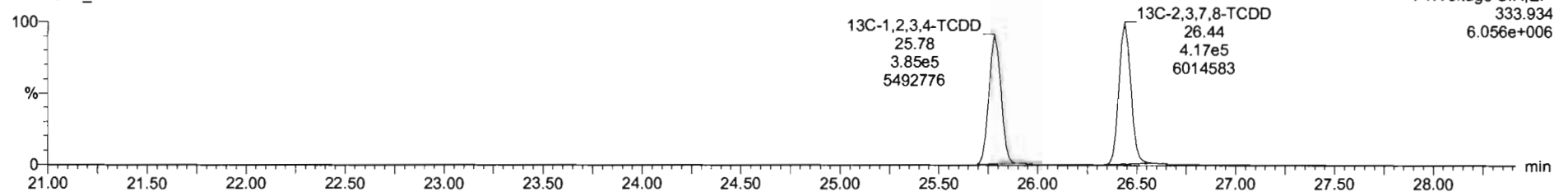


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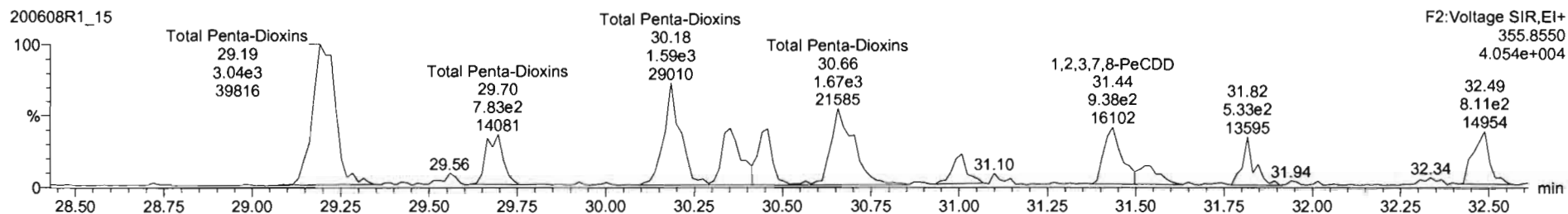
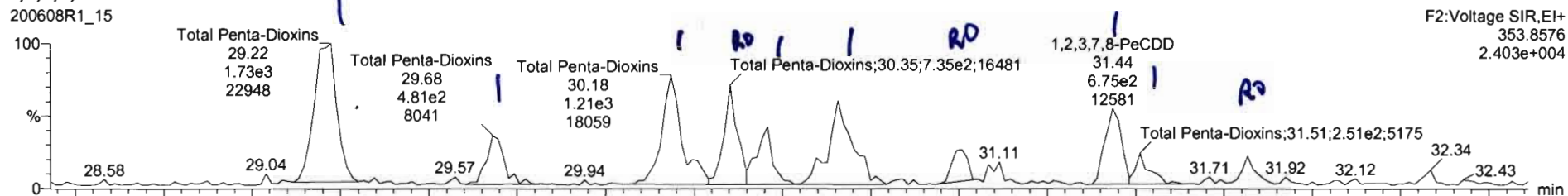


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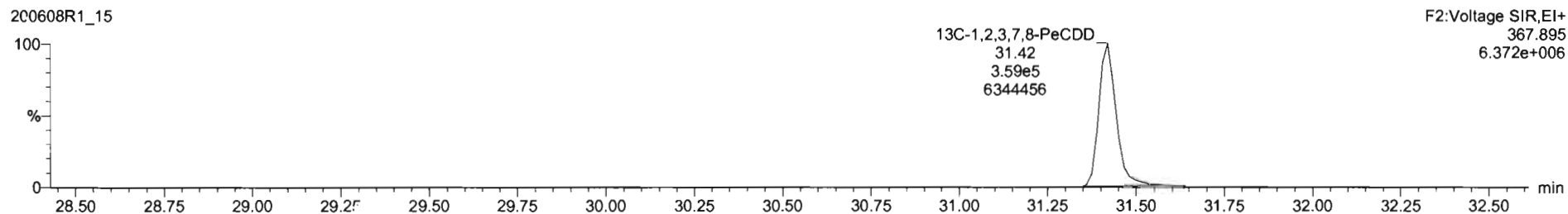
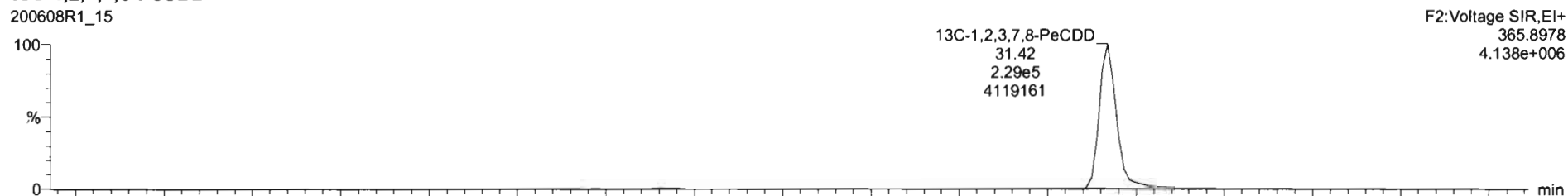
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1,2,3,7,8-PeCDD

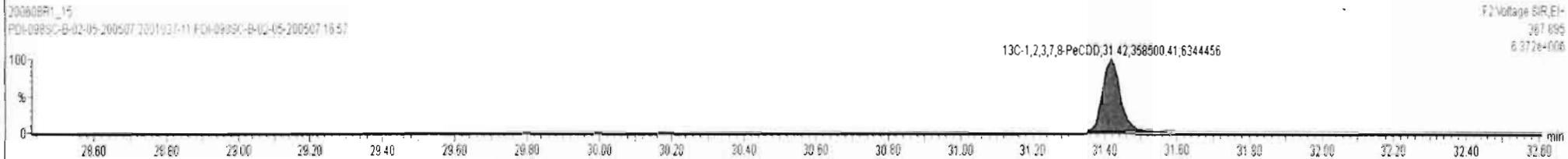
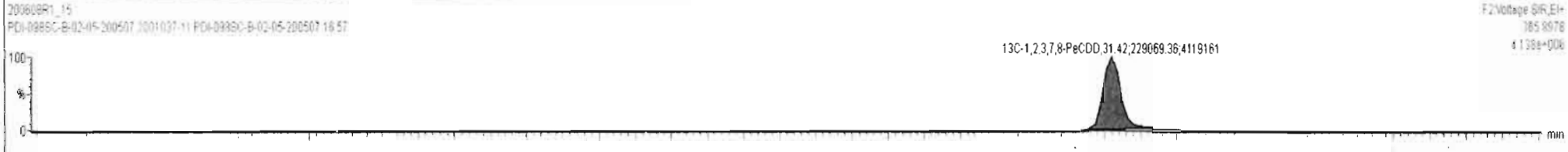
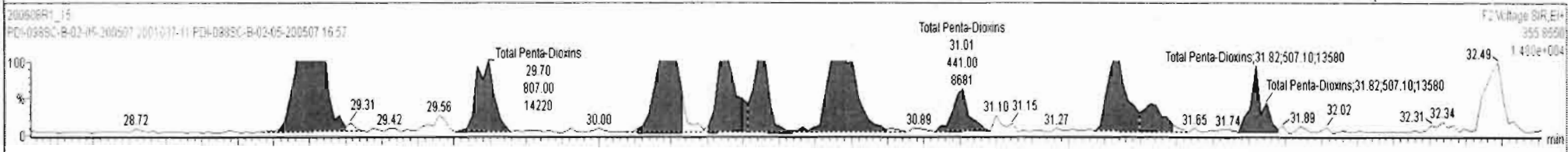
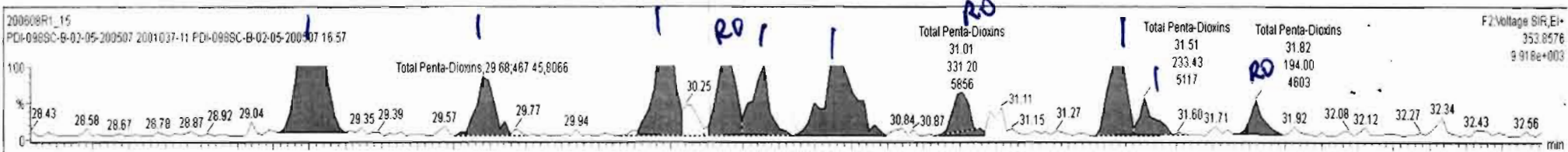


13C-1,2,3,7,8-PeCDD



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.047			4.64		0.106	6.21

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	1.727e3	2.989e3	0.58	NO	1.7597	1.7597
2 Total Penta-Dioxins	29.68	4.675e2	8.070e2	0.58	NO	0.47547	0.47547
3 Total Penta-Dioxins	30.16	1.003e3	1.446e3	0.69	NO	0.91356	0.91356
4 Total Penta-Dioxins	30.35	7.147e2	8.972e2	0.80	YES	0.54580	0.00000
5 Total Penta-Dioxins	30.46	5.050e2	8.777e2	0.58	NO	0.51583	0.51583
6 Total Penta-Dioxins	30.66	1.116e3	1.620e3	0.69	NO	1.0207	1.0207
7 Total Penta-Dioxins	31.01	3.312e2	4.410e2	0.75	YES	0.26817	0.00000
8 1,2,3,7,8-PeCDD	31.44	6.676e2	9.449e2	0.71	NO	0.60159	0.60159
9 Total Penta-Dioxins	31.51	2.334e2	3.612e2	0.65	NO	0.22185	0.22185
10 Total Penta-Dioxins	31.82	1.940e2	5.071e2	0.38	YES	0.18726	0.00000



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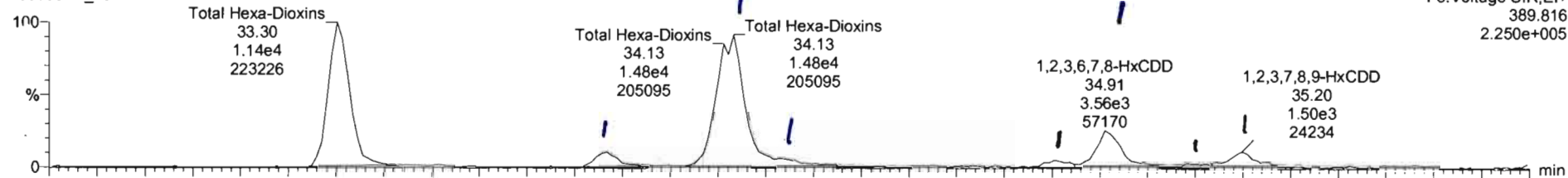
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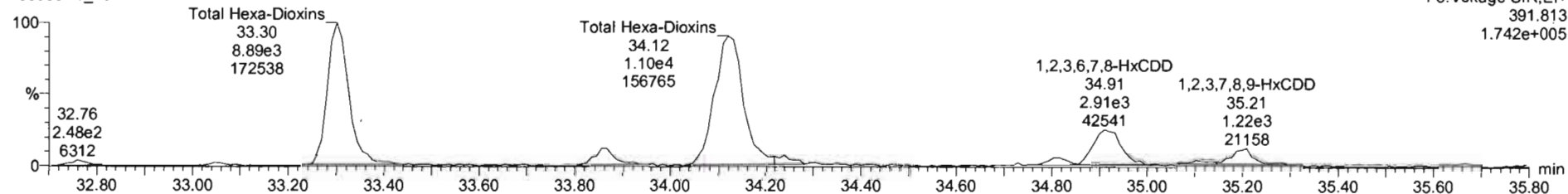
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1,2,3,4,7,8-HxCDD

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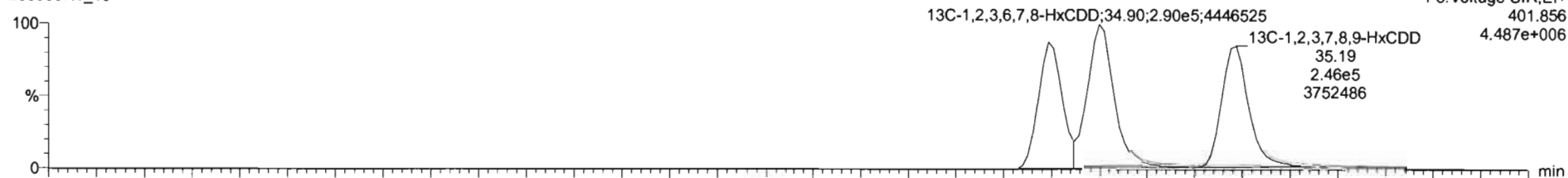


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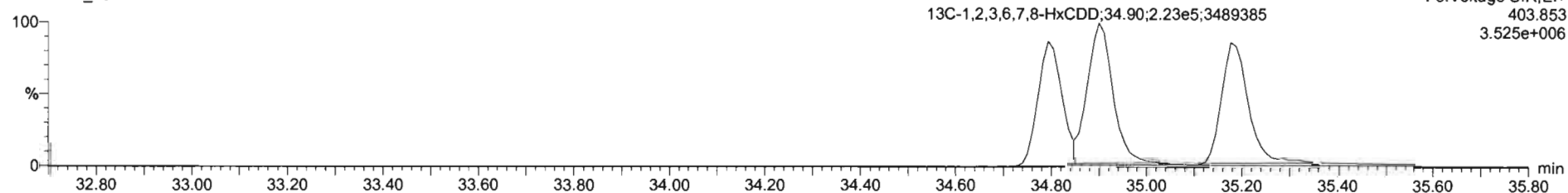


13C-1,2,3,4,7,8-HxCDD

200608R1_15

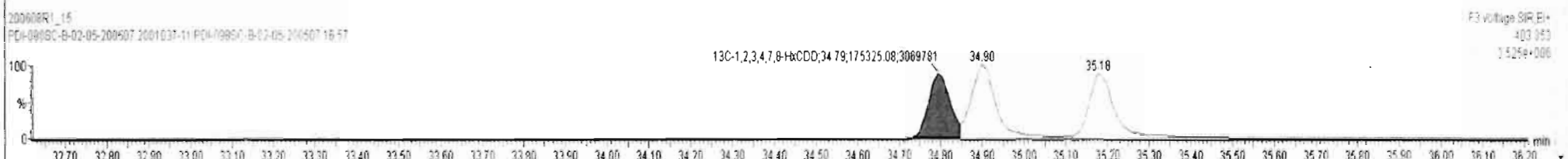
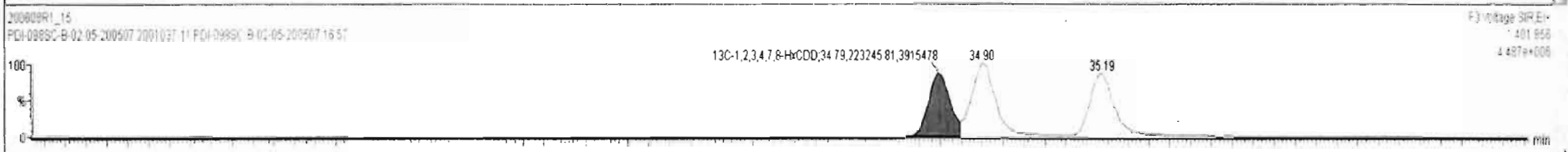
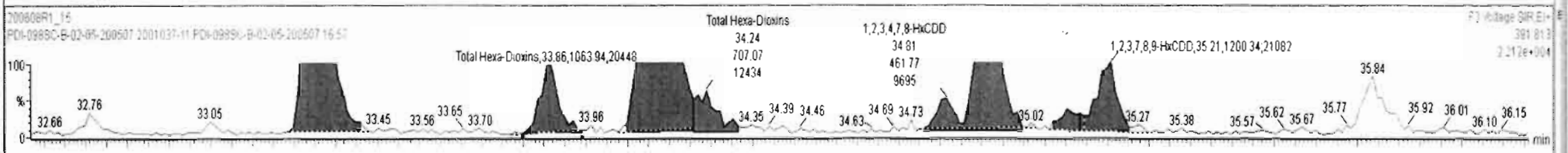
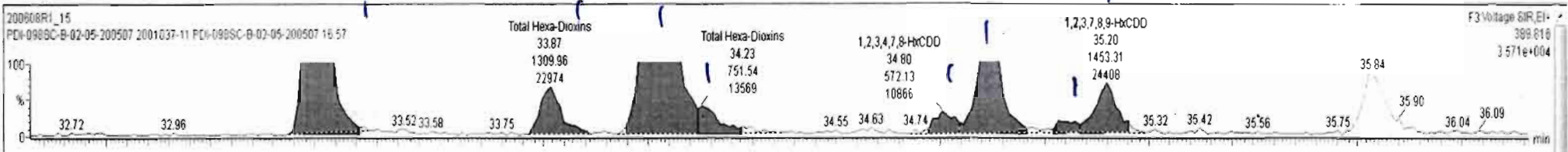


200608R1_15



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8923	10.047			26.5		0.348	29.2

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.30	1.155e4	8.856e3	1.30	NO	10.067	10.067
2 Total Hexa-Dioxins	33.87	1.310e3	1.064e3	1.23	NO	1.1712	1.1712
3 Total Hexa-Dioxins	34.13	1.393e4	1.093e4	1.27	NO	12.267	12.267
4 Total Hexa-Dioxins	34.23	7.515e2	7.071e2	1.06	NO	0.71985	0.00000
5 1,2,3,4,7,8-HxCDD	34.80	5.721e2	4.618e2	1.24	NO	0.49985	0.49985
6 1,2,3,6,7,8-HxCDD	34.91	3.486e3	2.989e3	1.17	NO	2.8161	2.8161
7 Total Hexa-Dioxins	35.08	3.087e2	2.926e2	1.06	NO	0.29668	0.29668
8 1,2,3,7,8,9-HxCDD	35.20	1.453e3	1.200e3	1.21	NO	1.3385	1.3385



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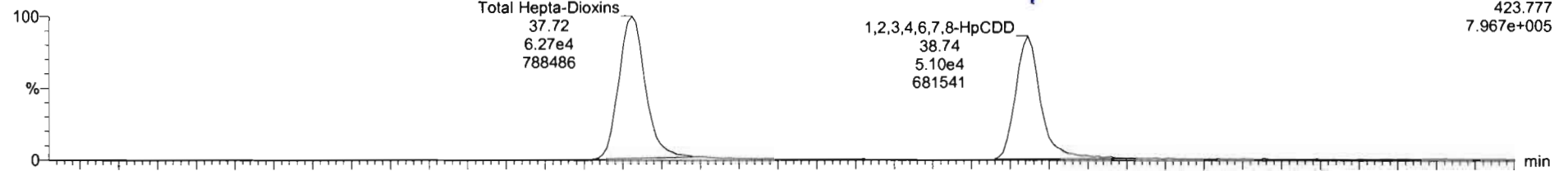
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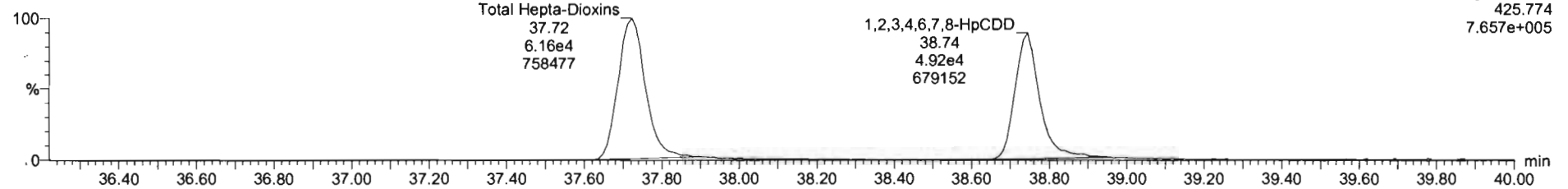
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1,2,3,4,6,7,8-HpCDD

200608R1_15

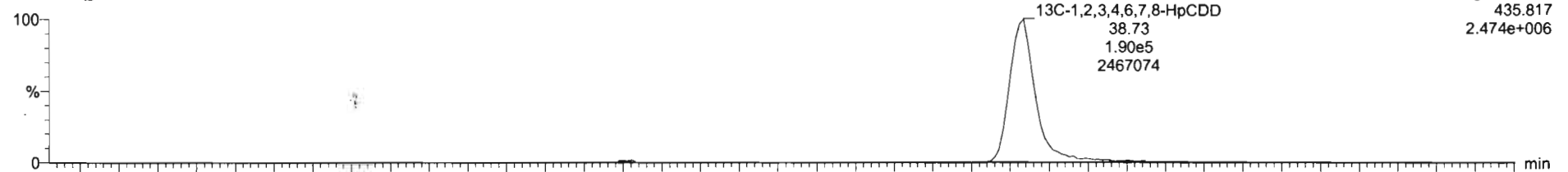


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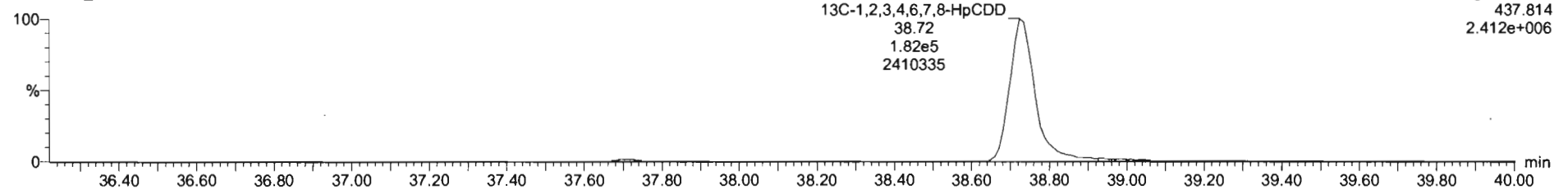


13C-1,2,3,4,6,7,8-HpCDD

200608R1_15

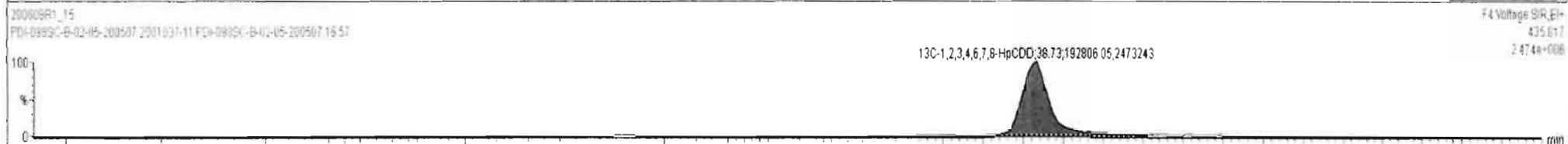
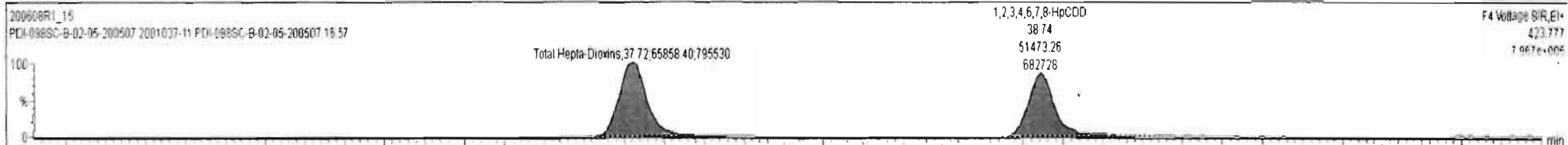


200608R1_15



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxins			0.8923	10.047			28.5		0.348	29.2

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hepta-Dioxins	37.72	6.586e4	6.407e4	1.03	NO	78.989
2	1,2,3,4,6,7,8-HpCDD	38.74	5.147e4	5.120e4	1.01	NO	62.416



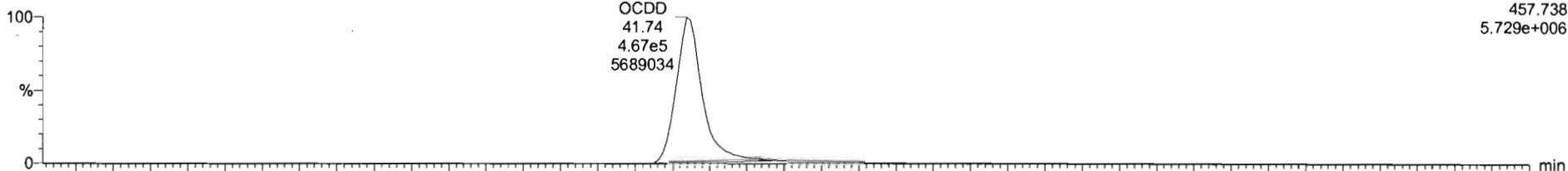
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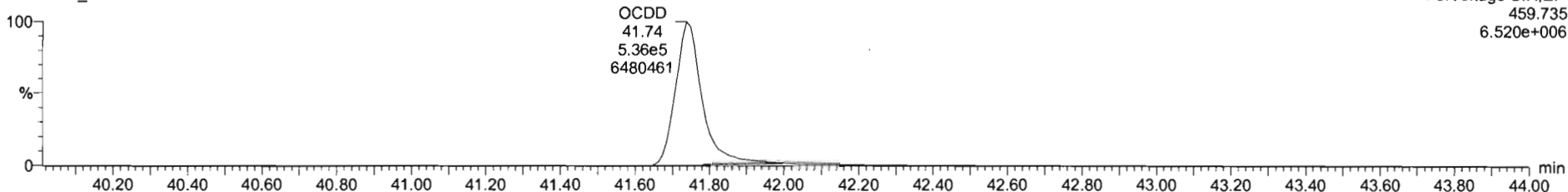
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OCDD

200608R1_15

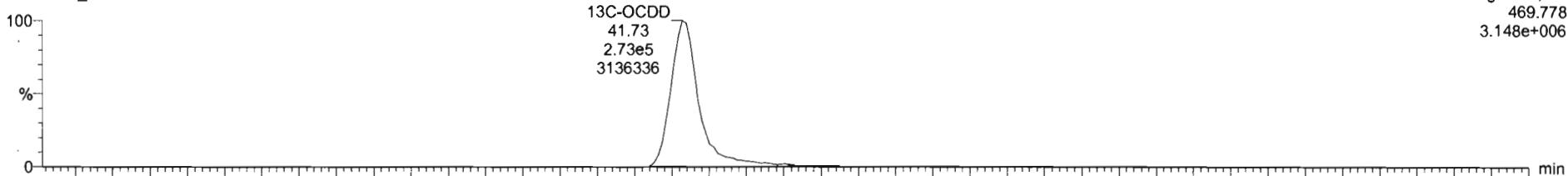


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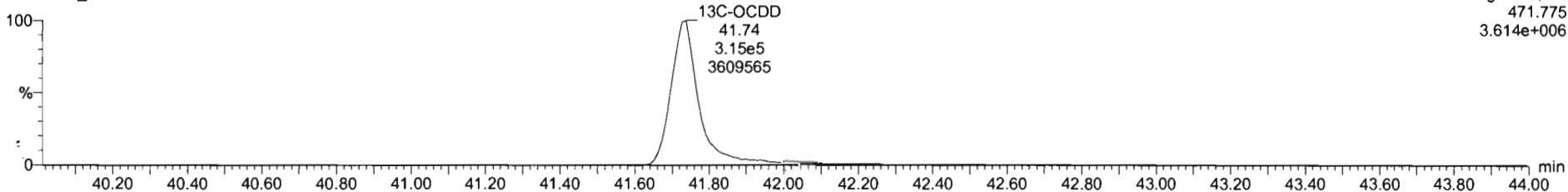


13C-OCDD

200608R1_15

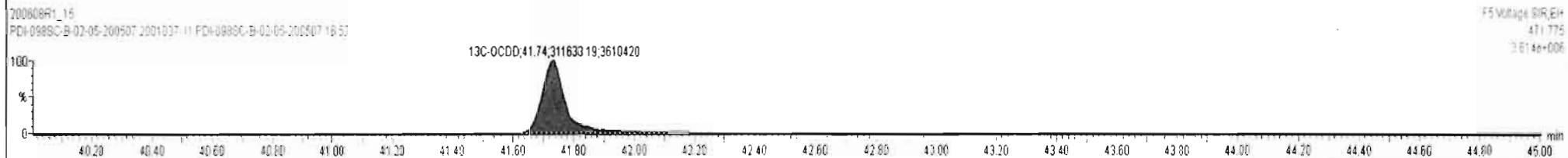
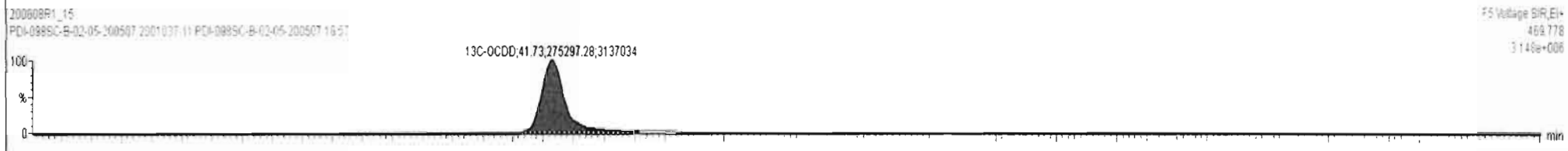
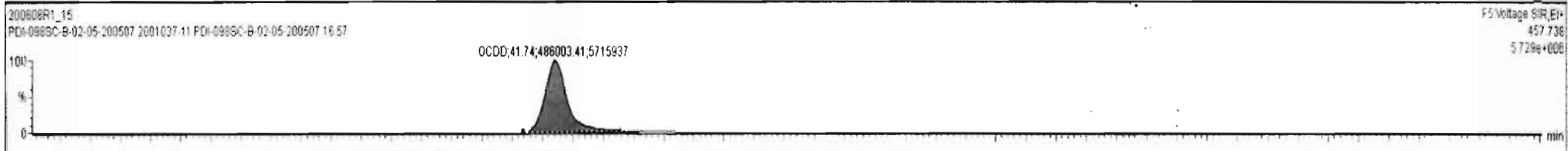


200608R1_15



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
7 OCDD	1.04e6	0.88	NO	0.9136	10.047	41.74	1.000	772		0.915	772

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

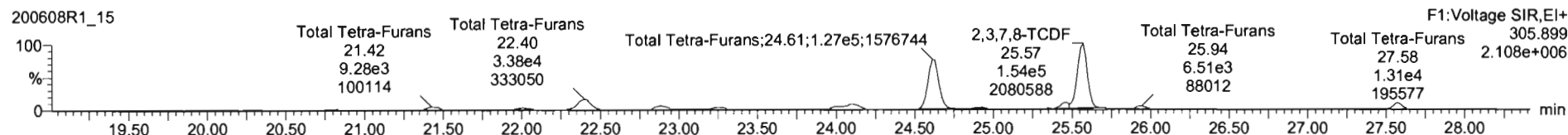
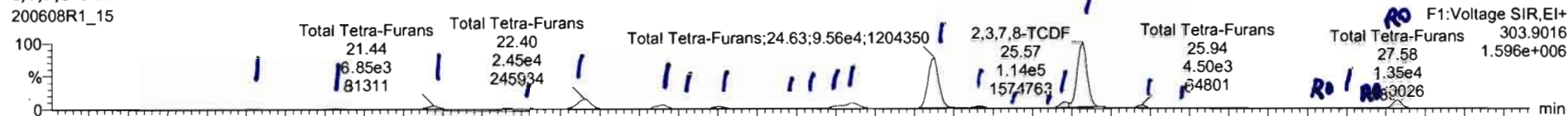


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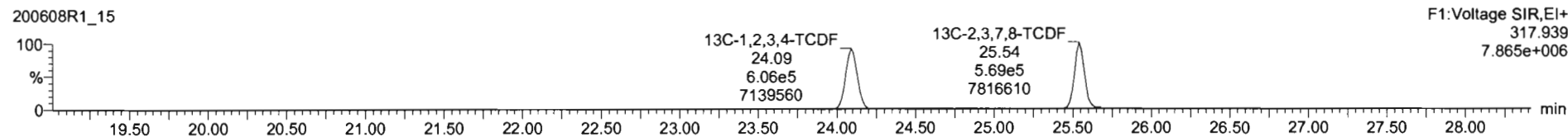
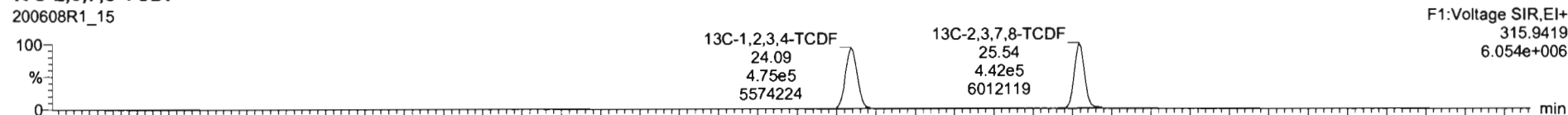
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Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

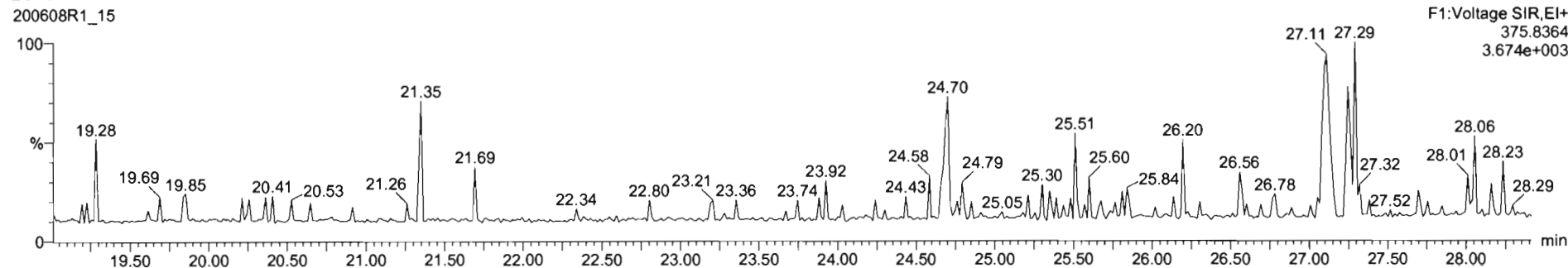
2,3,7,8-TCDF



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

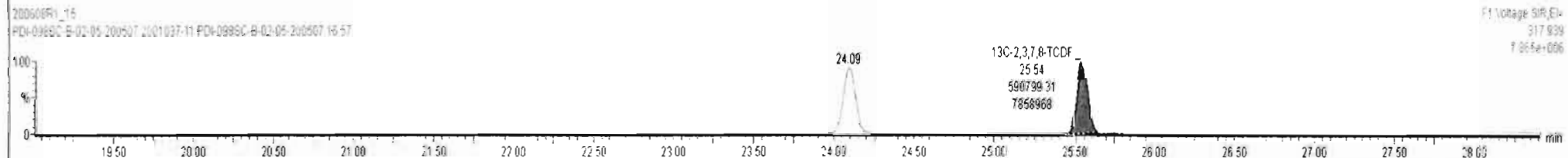
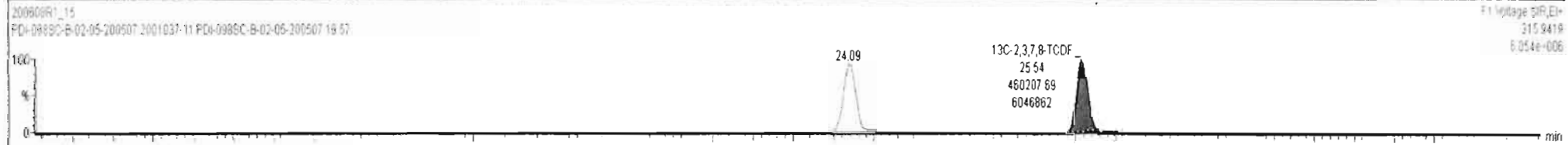
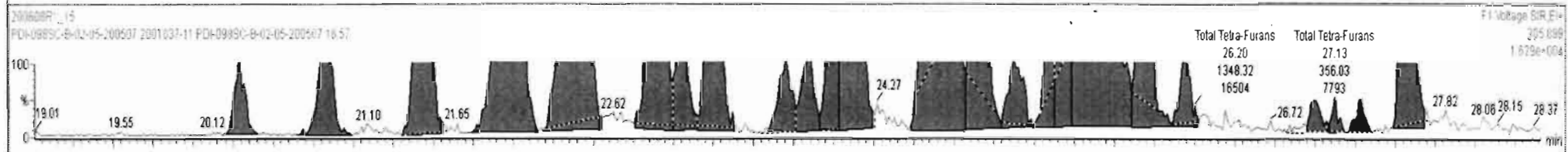
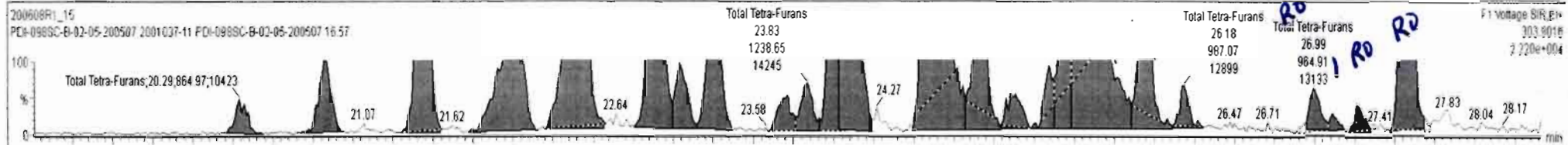


DPE1



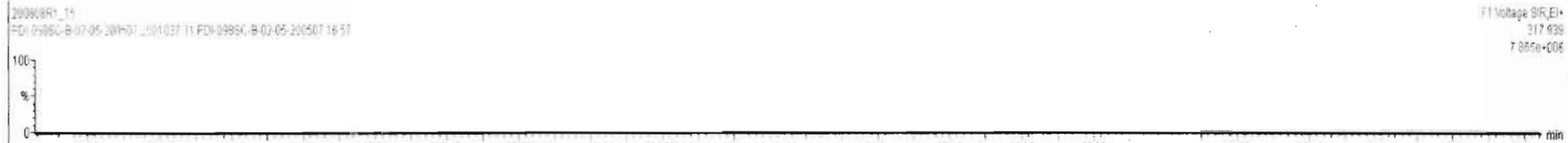
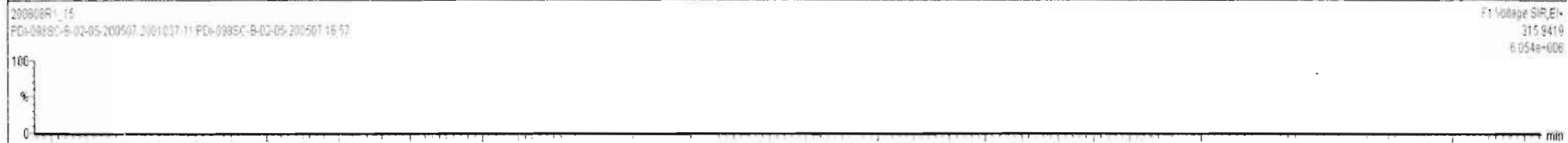
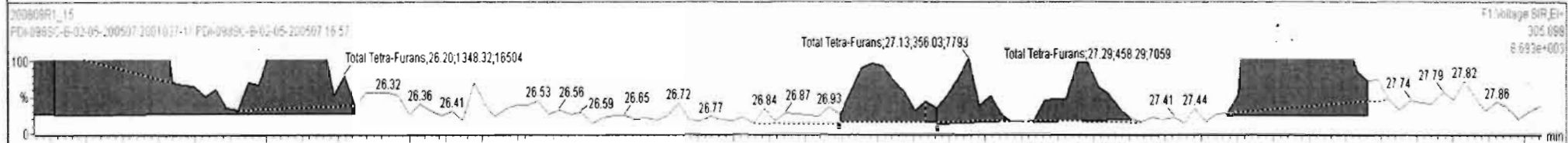
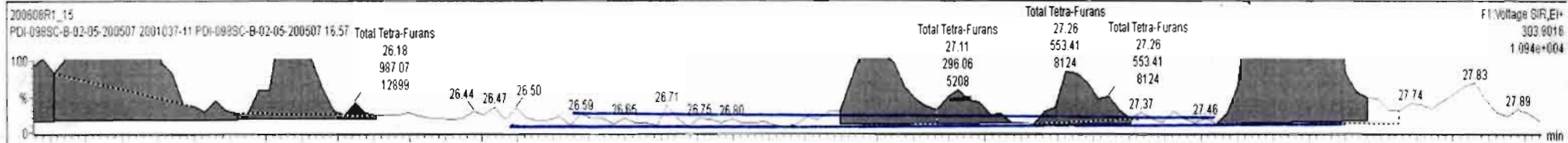
Name	Resp	RA	nly	RRF	wlVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.047			189		0.207	195

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	20.29	8.650e2	1.213e3	0.71	NO	0.52407	0.52407
2 Total Tetra-Furans	20.83	1.950e3	2.526e3	0.77	NO	1.1289	1.1289
3 Total Tetra-Furans	21.44	6.966e3	9.296e3	0.75	NO	4.1013	4.1013
4 Total Tetra-Furans	21.99	6.300e3	8.828e3	0.71	NO	3.8153	3.8153
5 Total Tetra-Furans	22.40	2.475e4	3.442e4	0.72	NO	14.922	14.922
6 Total Tetra-Furans	22.91	8.607e3	1.171e4	0.73	NO	5.1241	5.1241
7 Total Tetra-Furans	23.04	1.657e3	2.098e3	0.79	NO	0.94687	0.94687
8 Total Tetra-Furans	23.25	4.775e3	6.643e3	0.72	NO	2.8795	2.8795
9 Total Tetra-Furans	23.71	9.926e2	1.386e3	0.72	NO	0.59999	0.59999
10 Total Tetra-Furans	23.83	1.239e3	1.559e3	0.80	NO	0.70521	0.70521
11 Total Tetra-Furans	24.03	4.233e3	5.635e3	0.75	NO	2.4886	2.4886
12 Total Tetra-Furans	24.09	1.362e4	1.741e4	0.78	NO	7.8255	7.8255
13 Total Tetra-Furans	24.63	9.934e4	1.318e5	0.75	NO	58.284	58.284
14 Total Tetra-Furans	24.91	4.605e3	5.825e3	0.79	NO	2.6302	2.6302
15 Total Tetra-Furans	25.11	1.201e3	1.598e3	0.75	NO	0.70598	0.70598
16 Total Tetra-Furans	25.35	1.243e3	1.747e3	0.71	NO	0.75419	0.75419
17 Total Tetra-Furans	25.45	9.005e3	1.247e4	0.72	NO	5.4162	5.4162



Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.047			189		0.207	195

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
8 Total Tetra-Furans	23.25	4.775e3	6.643e3	0.72	NO	2.8795	2.8795
9 Total Tetra-Furans	23.71	9.926e2	1.386e3	0.72	NO	0.59999	0.59999
10 Total Tetra-Furans	23.83	1.239e3	1.559e3	0.80	NO	0.70521	0.70521
11 Total Tetra-Furans	24.09	1.627e4	2.311e4	0.79	NO	10.435	10.435
12 Total Tetra-Furans	24.63	9.934e4	1.318e5	0.75	NO	58.284	58.284
13 Total Tetra-Furans	24.91	4.605e3	5.825e3	0.79	NO	2.6302	2.6302
14 Total Tetra-Furans	25.11	1.201e3	1.599e3	0.75	NO	0.70598	0.70598
15 Total Tetra-Furans	25.35	1.243e3	1.747e3	0.71	NO	0.75419	0.75419
16 Total Tetra-Furans	25.45	9.005e3	1.247e4	0.72	NO	5.4162	5.4162
17 2,3,7,8-TCDF	25.57	1.212e5	1.631e5	0.74	NO	71.700	71.700
18 Total Tetra-Furans	25.94	5.485e3	7.667e3	0.72	NO	3.3169	3.3169
19 Total Tetra-Furans	26.18	9.871e2	1.348e3	0.73	NO	0.58998	0.58998
20 Total Tetra-Furans	26.99	9.649e2	5.759e2	1.68	YES	0.25706	0.00000
21 Total Tetra-Furans	27.11	2.961e2	3.560e2	0.83	NO	0.16445	0.16445
22 Total Tetra-Furans	27.26	5.534e2	4.583e2	1.21	YES	0.20458	0.00000
23 Total Tetra-Furans	27.58	1.332e4	1.321e4	1.01	YES	5.8953	0.00000



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Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
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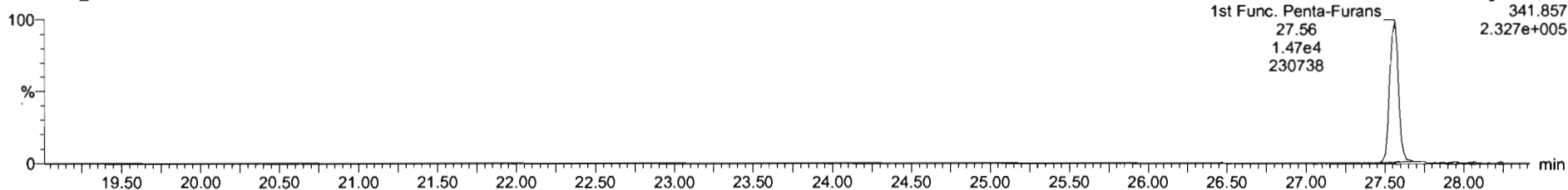
Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

1st Func. Penta-Furans

200608R1_15

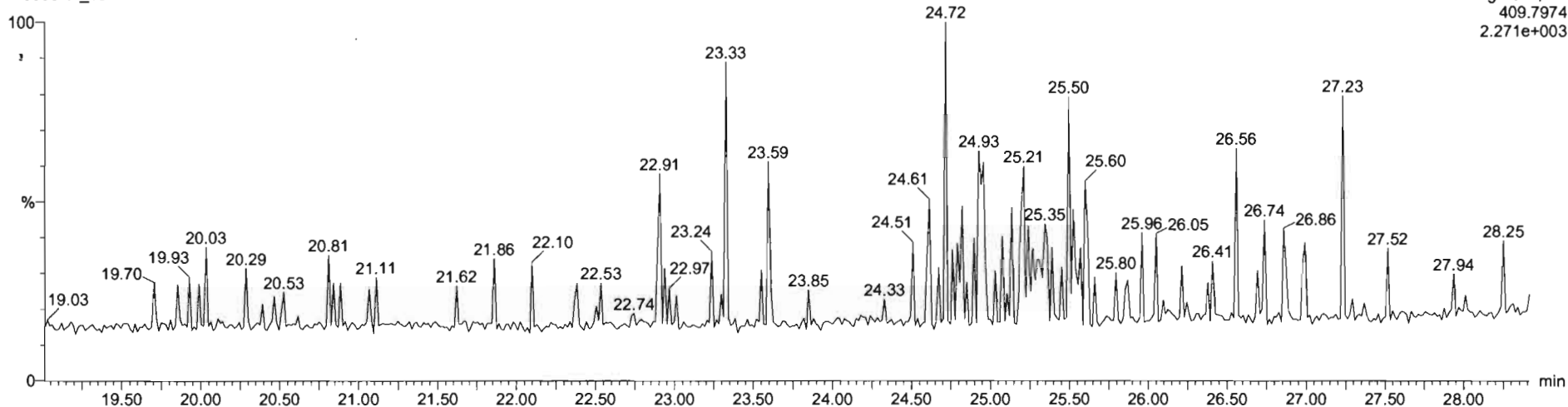


200608R1_15



DPE6

200608R1_15

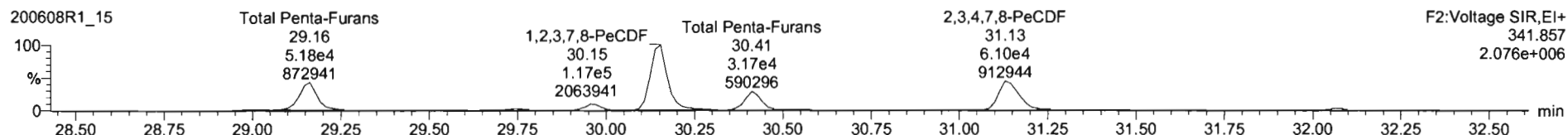
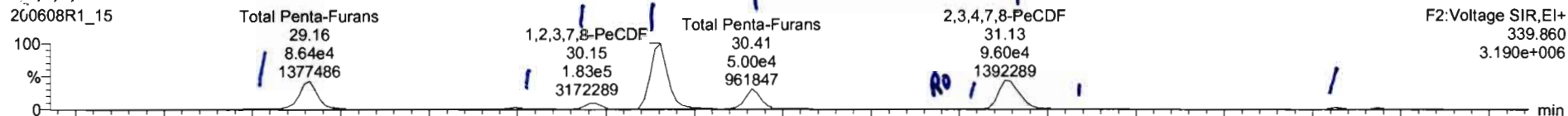


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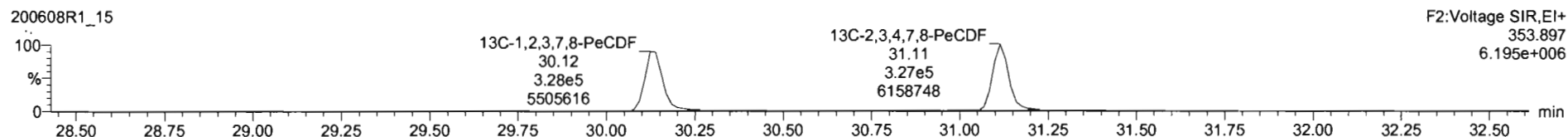
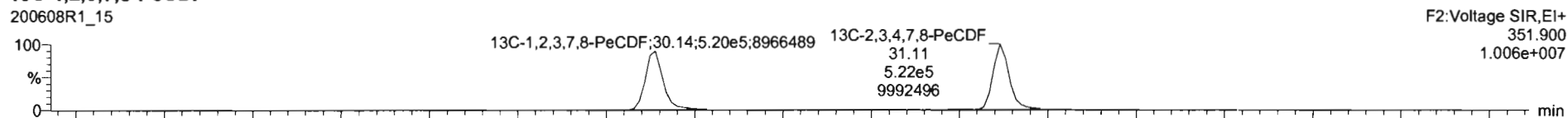
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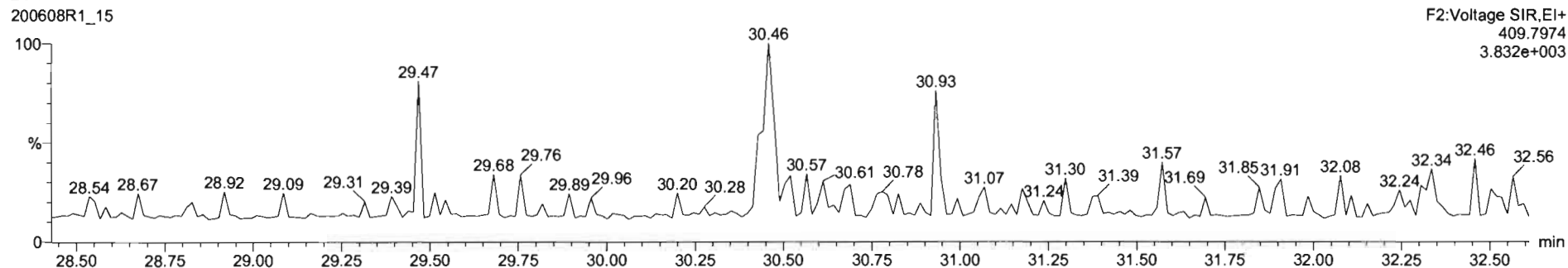
1,2,3,7,8-PeCDF



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

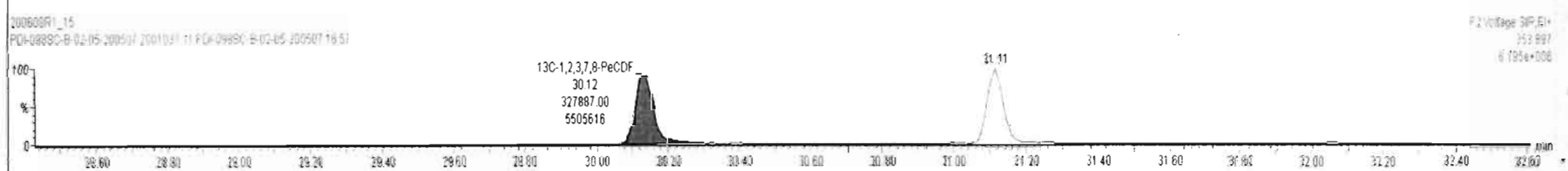
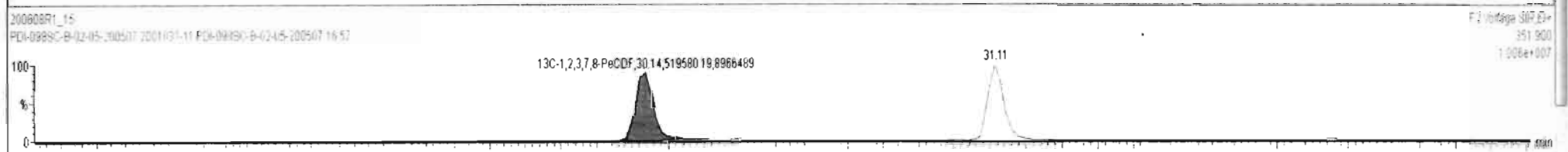
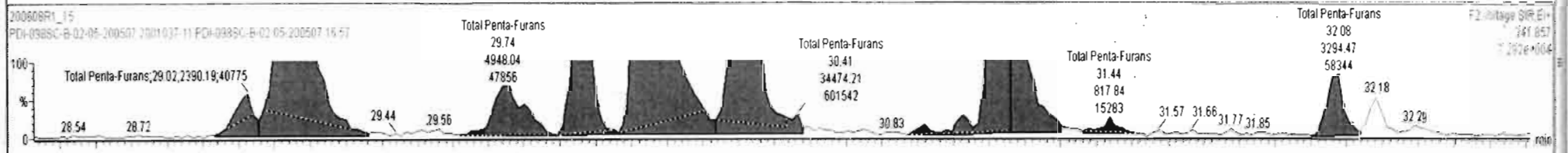
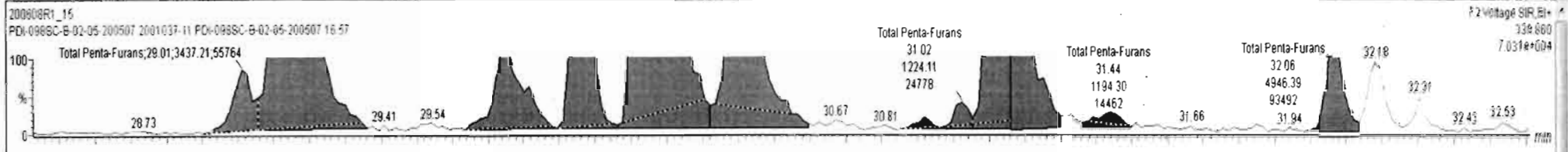


DPE2



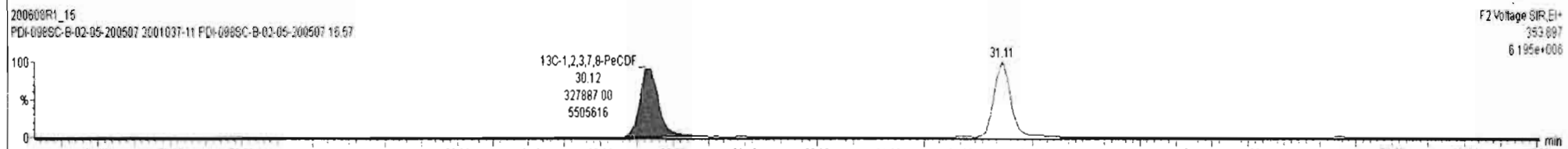
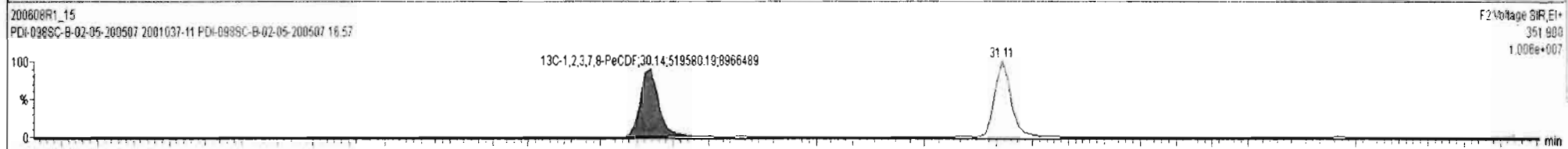
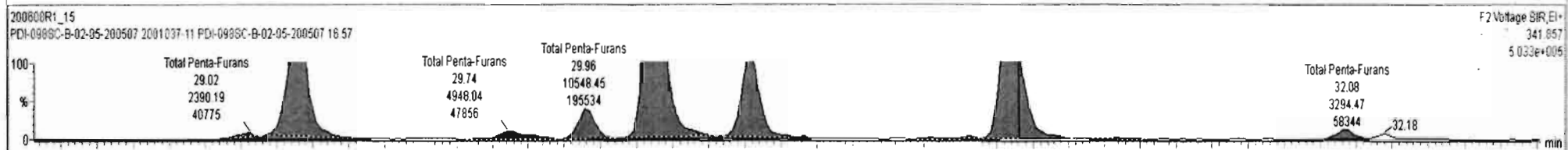
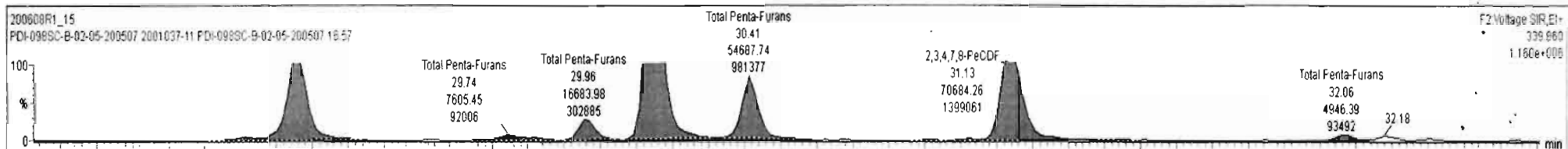
Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.047			196		0.316	196

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.01	3.437e3	2.390e3	1.44	NO	1.5313	1.5313
2 Total Penta-Furans	29.16	8.722e4	5.612e4	1.55	NO	37.668	37.668
3 Total Penta-Furans	29.74	7.605e3	4.949e3	1.54	NO	3.2989	3.2989
4 Total Penta-Furans	29.96	1.688e4	1.055e4	1.58	NO	7.1562	7.1562
5 1,2,3,7,8-PeCDF	30.15	1.871e5	1.200e5	1.56	NO	80.837	80.837
6 Total Penta-Furans	30.41	5.469e4	3.447e4	1.59	NO	23.430	23.430
7 Total Penta-Furans	30.92	5.071e2	4.121e2	1.23	YES	0.21924	0.00000
8 Total Penta-Furans	31.02	1.224e3	8.740e2	1.40	NO	0.55136	0.55136
9 2,3,4,7,8-PeCDF	31.13	7.068e4	4.515e4	1.57	NO	29.021	29.021
10 Total Penta-Furans	31.16	2.727e4	1.648e4	1.65	NO	11.498	11.498
11 Total Penta-Furans	31.44	1.194e3	8.179e2	1.46	NO	0.52876	0.52876
12 Total Penta-Furans	32.06	4.946e3	3.294e3	1.50	NO	2.1656	2.1656



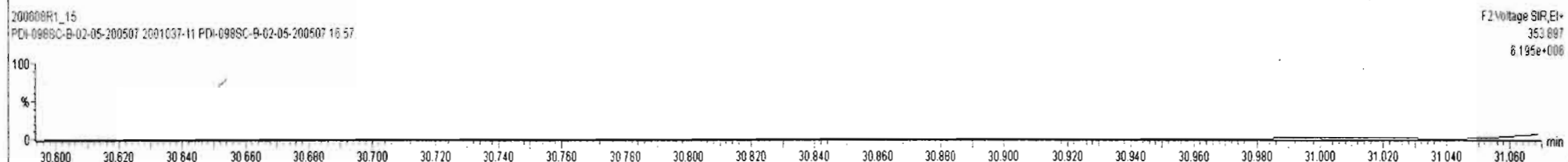
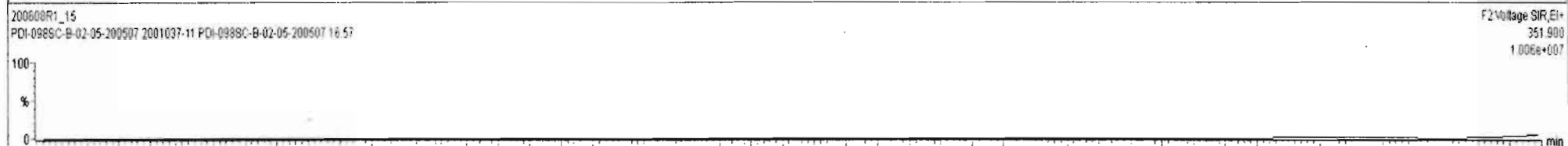
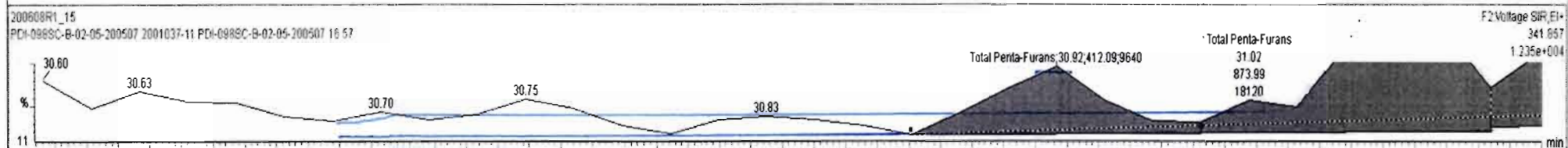
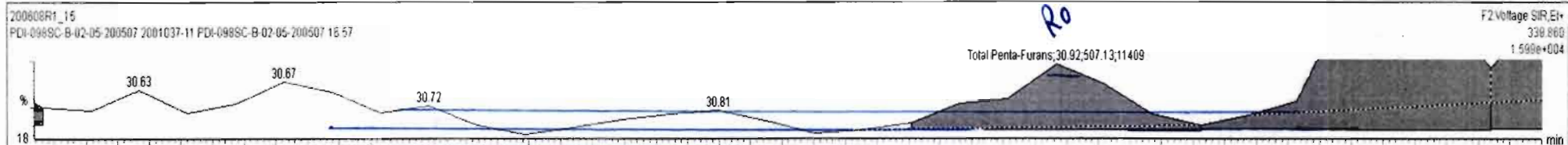
Name	Resp	RA	n/y	RRF	wtAnal	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.047			198		0.316	198

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	3.437e3	2.390e3	1.44	NO	1.5313	1.5313
2 Total Penta-Furans	29.16	6.722e4	5.612e4	1.55	NO	37.668	37.668
3 Total Penta-Furans	29.74	7.605e3	4.946e3	1.54	NO	3.2989	3.2989
4 Total Penta-Furans	29.96	1.668e4	1.055e4	1.58	NO	7.1562	7.1562
5 1,2,3,7,8-PeCDF	30.15	1.871e5	1.200e5	1.56	NO	80.637	80.637
6 Total Penta-Furans	30.41	5.468e4	3.447e4	1.59	NO	23.430	23.430
7 Total Penta-Furans	30.92	5.071e2	4.121e2	1.23	YES	0.21924	0.00000
8 Total Penta-Furans	31.02	1.224e3	8.740e2	1.40	NO	0.55135	0.55135
9 2,3,4,7,8-PeCDF	31.13	7.068e4	4.515e4	1.57	NO	29.021	29.021
10 Total Penta-Furans	31.16	2.727e4	1.846e4	1.65	NO	11.498	11.498
11 Total Penta-Furans	31.44	1.194e3	6.178e2	1.46	NO	0.52876	0.52876
12 Total Penta-Furans	32.06	4.946e3	3.294e3	1.50	NO	2.1656	2.1656



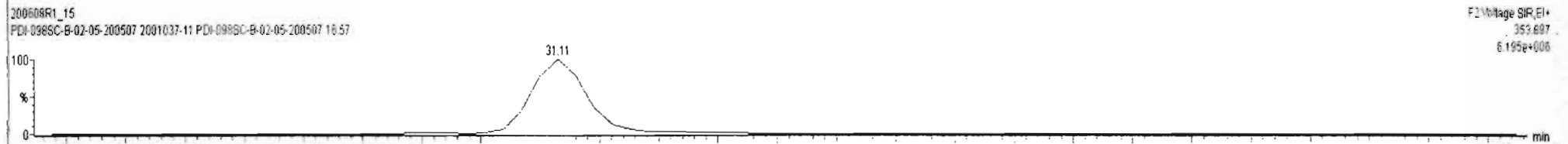
Name	Resp	RA	nY	RF	wtAol	RT	RRT	Conc	%Rec	DL	EMPC
45	Total Penta-Furans			0.8925	10.047			198		0.316	198

Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.	
1	Total Penta-Furans	29.01	3.437e3	2.390e3	1.44	NO	1.5313	1.5313
2	Total Penta-Furans	29.16	8.722e4	5.612e4	1.55	NO	37.668	37.668
3	Total Penta-Furans	29.74	7.605e3	4.948e3	1.54	NO	3.2989	3.2989
4	Total Penta-Furans	29.96	1.668e4	1.055e4	1.56	NO	7.1562	7.1562
5	1,2,3,7,8-PeCDF	30.15	1.871e5	1.200e5	1.56	NO	80.837	80.837
6	Total Penta-Furans	30.41	5.469e4	3.447e4	1.59	NO	23.430	23.430
7	Total Penta-Furans	30.92	5.071e2	4.121e2	1.23	YES	0.21924	0.00000
8	Total Penta-Furans	31.02	1.224e3	8.740e2	1.40	NO	0.55135	0.55135
9	2,3,4,7,8-PeCDF	31.13	7.068e4	4.515e4	1.57	NO	29.021	29.021
10	Total Penta-Furans	31.16	2.727e4	1.648e4	1.65	NO	11.498	11.498
11	Total Penta-Furans	31.44	1.194e3	8.178e2	1.46	NO	0.52876	0.52876
12	Total Penta-Furans	32.06	4.945e3	3.294e3	1.50	NO	2.1656	2.1656



Name	Resp	RA	n/y	RFI	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.047			198		0.316	198

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	3.437e3	2.390e3	1.44	NO	1.5313	1.5313
2 Total Penta-Furans	29.16	8.722e4	5.612e4	1.55	NO	37.668	37.668
3 Total Penta-Furans	29.74	7.605e3	4.948e3	1.54	NO	3.2989	3.2989
4 Total Penta-Furans	29.96	1.668e4	1.055e4	1.58	NO	7.1562	7.1562
5 1,2,3,7,8-PeCDF	30.15	1.871e5	1.200e5	1.56	NO	80.837	80.837
6 Total Penta-Furans	30.41	5.469e4	3.447e4	1.59	NO	23.430	23.430
7 Total Penta-Furans	30.92	5.071e2	4.121e2	1.23	YES	0.21924	0.00000
8 Total Penta-Furans	31.02	1.224e3	6.740e2	1.40	NO	0.55135	0.55135
9 2,3,4,7,8-PeCDF	31.13	7.068e4	4.515e4	1.57	NO	29.021	29.021
10 Total Penta-Furans	31.16	2.727e4	1.648e4	1.65	NO	11.498	11.498
11 Total Penta-Furans	31.44	1.194e3	8.178e2	1.46	NO	0.52876	0.52876
12 Total Penta-Furans	32.06	4.946e3	3.294e3	1.50	NO	2.1656	2.1656

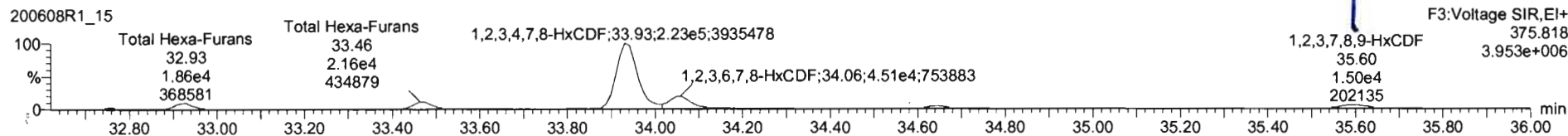
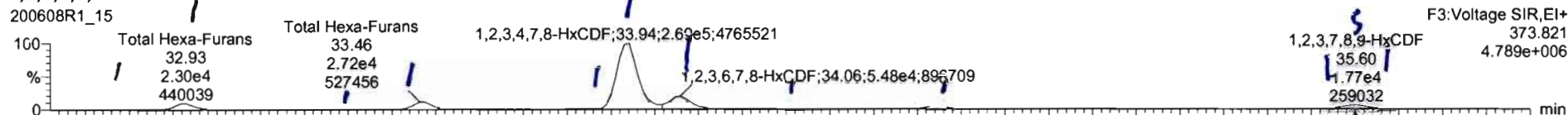


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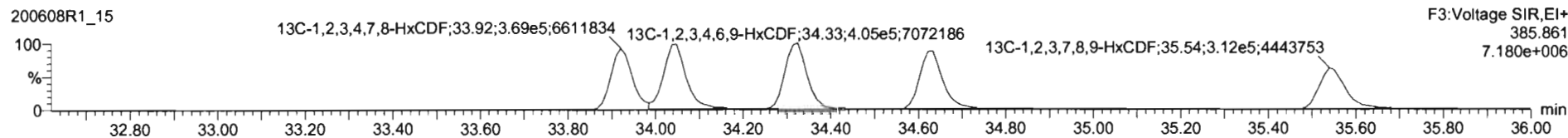
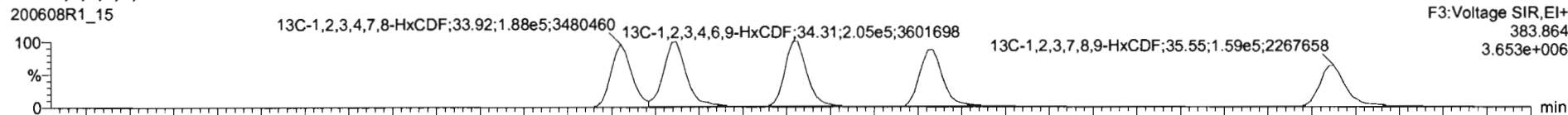
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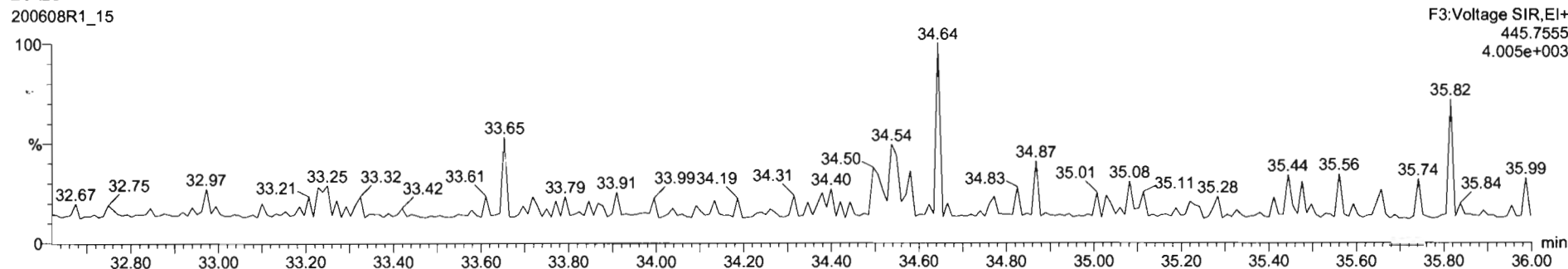
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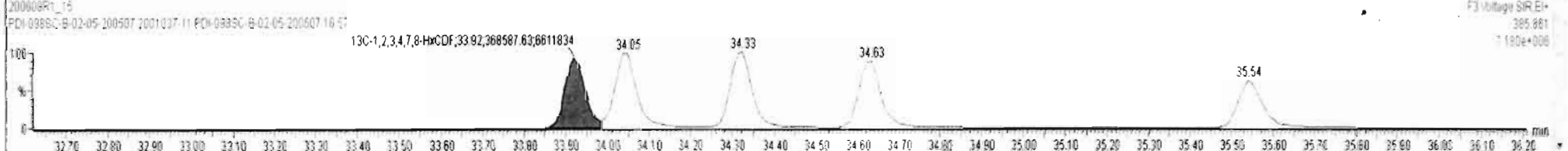
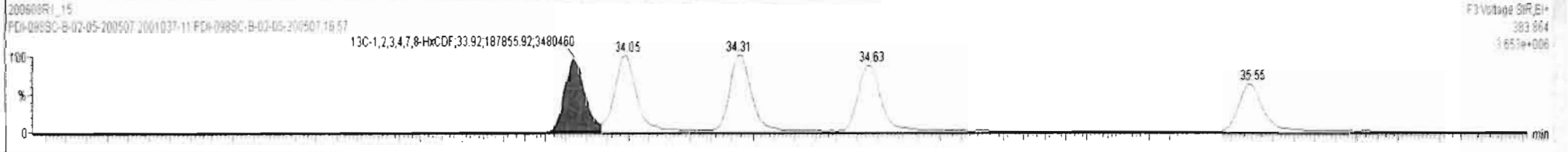
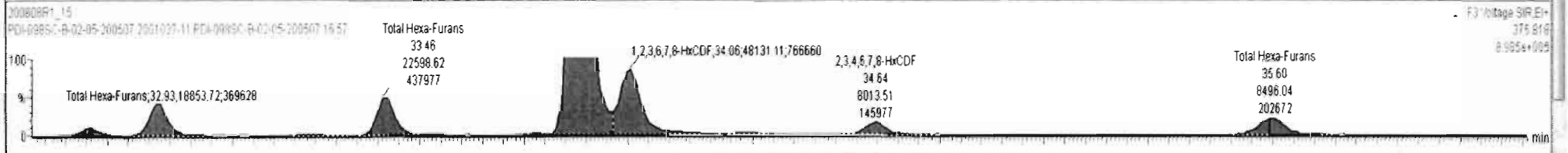
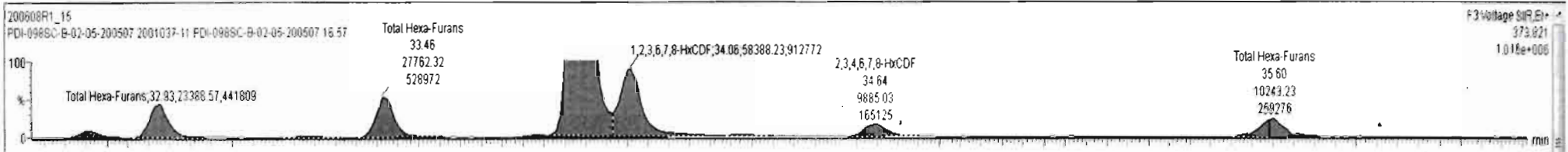


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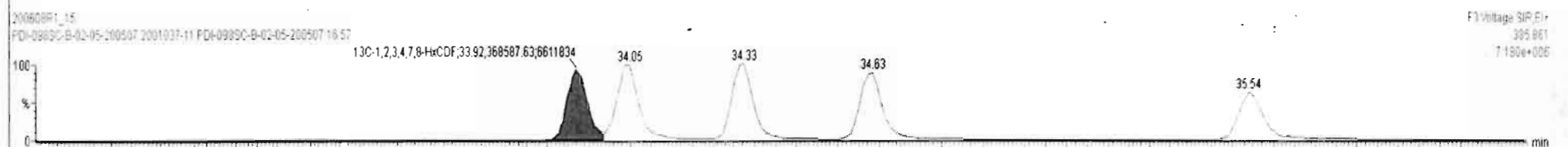
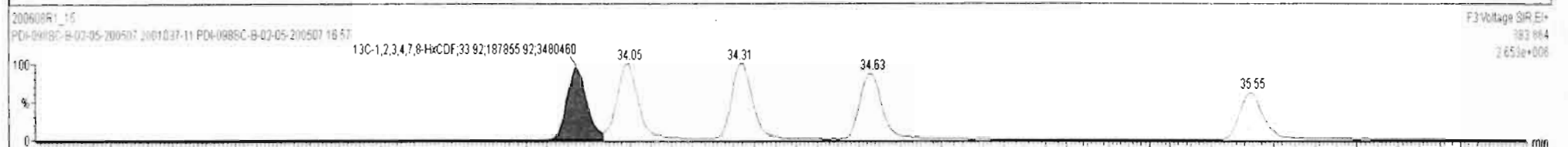
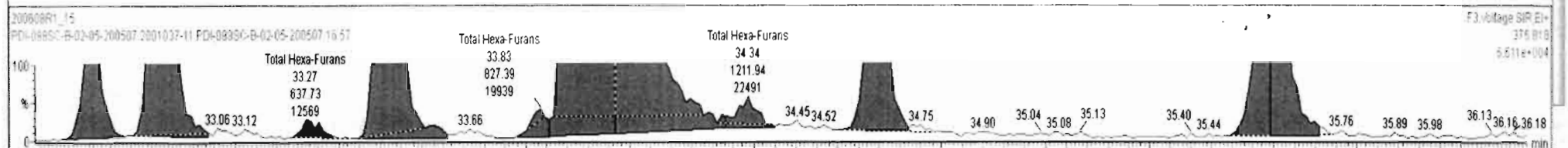
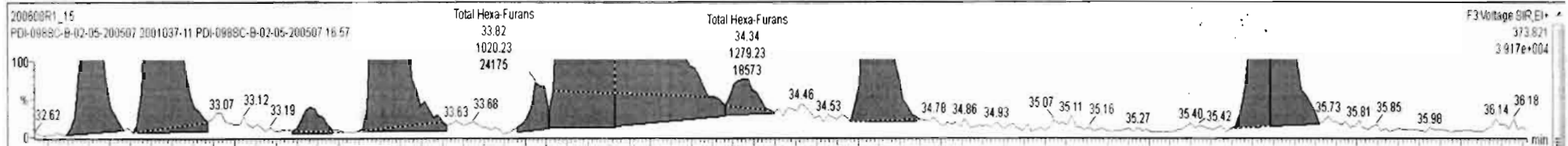
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.047			300		0.471	300

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.75	4.995e3	4.371e3	1.14	NO	3.5427	3.5427
2 Total Hexa-Furans	32.93	2.339e4	1.885e4	1.24	NO	15.978	15.978
3 Total Hexa-Furans	33.28	7.550e2	6.377e2	1.18	NO	0.52681	0.52681
4 Total Hexa-Furans	33.46	2.776e4	2.260e4	1.23	NO	19.049	19.049
5 Total Hexa-Furans	33.82	1.020e3	8.274e2	1.23	NO	0.69887	0.69887
6 1,2,3,4,7,8-HxCDF	33.94	2.718e5	2.256e5	1.21	NO	201.17	201.17
7 1,2,3,6,7,8-HxCDF	34.06	5.839e4	4.813e4	1.21	NO	37.142	37.142
8 Total Hexa-Furans	34.34	1.279e3	1.212e3	1.06	NO	0.94229	0.94229
9 2,3,4,6,7,8-HxCDF	34.64	9.885e3	8.014e3	1.23	NO	6.5276	6.5276
10 1,2,3,7,8,9-HxCDF	35.59	7.527e3	6.552e3	1.15	NO	6.8377	6.8377
11 Total Hexa-Furans	35.60	1.024e4	8.496e3	1.21	NO	7.0882	7.0882



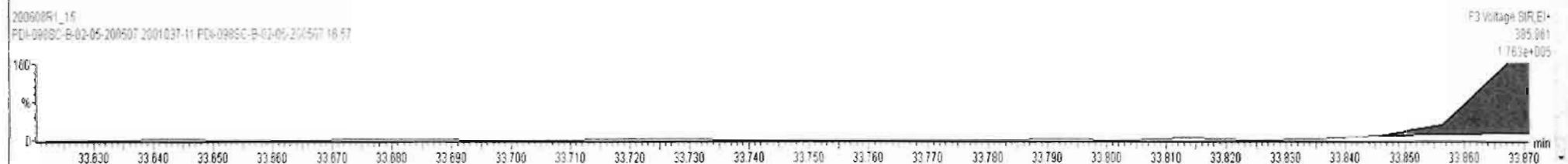
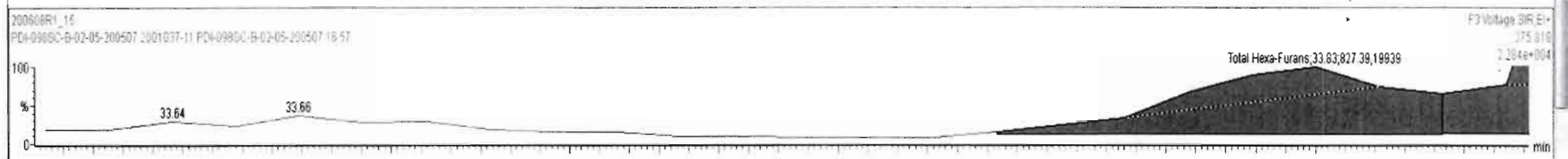
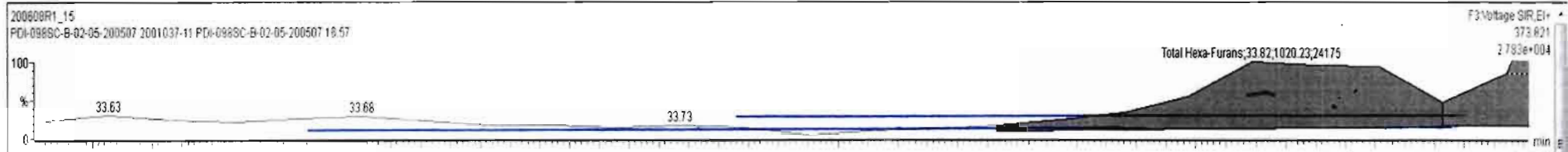
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexo-Furans				0.9341	10.047			300		0.471	300

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.75	4.995e3	4.371e3	1.14	NO	3.5427	3.5427
2 Total Hexa-Furans	32.93	2.339e4	1.885e4	1.24	NO	15.978	15.978
3 Total Hexa-Furans	33.28	7.550e2	6.377e2	1.18	NO	0.52681	0.52681
4 Total Hexa-Furans	33.46	2.775e4	2.260e4	1.23	NO	19.049	19.049
5 Total Hexa-Furans	33.82	1.020e3	8.274e2	1.23	NO	0.69667	0.69667
6 1,2,3,4,7,8-HxCDF	33.94	2.718e5	2.256e5	1.21	NO	201.17	201.17
7 1,2,3,6,7,8-HxCDF	34.06	5.839e4	4.813e4	1.21	NO	37.142	37.142
8 Total Hexa-Furans	34.34	1.279e3	1.212e3	1.06	NO	0.94229	0.94229
9 2,3,4,6,7,8-HxCDF	34.64	9.885e3	8.014e3	1.23	NO	6.5276	6.5276
10 1,2,3,7,8,9-HxCDF	35.59	7.527e3	6.552e3	1.15	NO	6.8377	6.8377
11 Total Hexa-Furans	35.60	1.024e4	8.436e3	1.21	NO	7.0682	7.0682



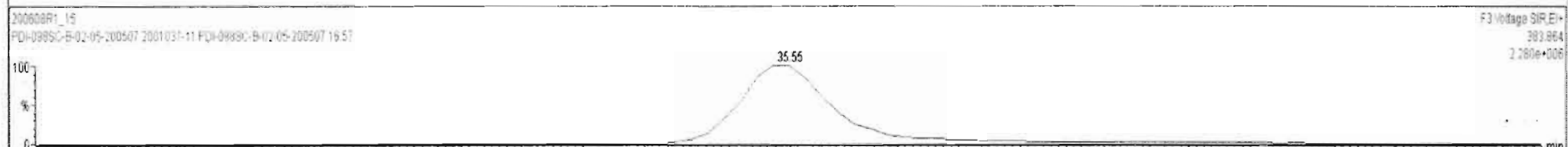
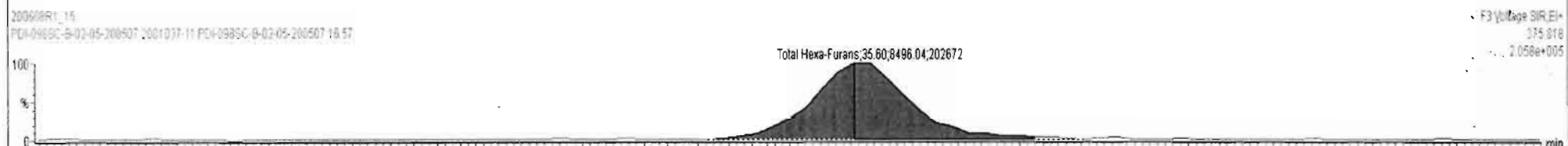
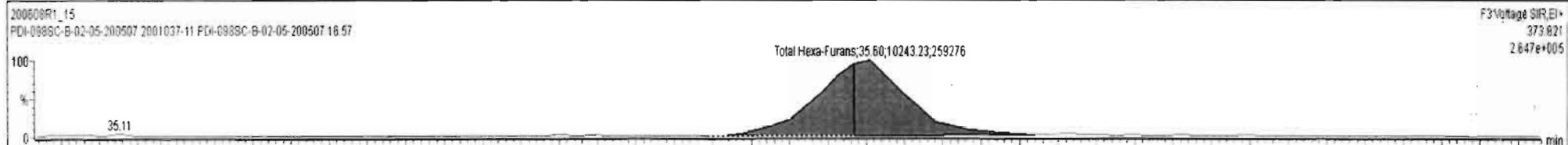
Name	Resp	RA	nY	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.047			300		0.471	300

Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
1 Total Hexa-Furans	32.75	4.995e3	4.371e3	1.14	NO	3.5427	3.5427
2 Total Hexa-Furans	32.93	2.339e4	1.885e4	1.24	NO	15.978	15.978
3 Total Hexa-Furans	33.28	7.550e2	6.377e2	1.18	NO	0.52681	0.52681
4 Total Hexa-Furans	33.46	2.776e4	2.260e4	1.23	NO	19.049	19.049
5 Total Hexa-Furans	33.82	1.020e3	8.274e2	1.23	NO	0.69887	0.69887
6 1,2,3,4,7,8-HxCDF	33.94	2.718e5	2.256e5	1.21	NO	201.17	201.17
7 1,2,3,6,7,8-HxCDF	34.06	5.839e4	4.813e4	1.21	NO	37.142	37.142
8 Total Hexa-Furans	34.34	1.279e3	1.212e3	1.06	NO	0.94229	0.94229
9 2,3,4,6,7,8-HxCDF	34.64	9.885e3	8.014e3	1.23	NO	6.5276	6.5276
10 1,2,3,7,8,9-HxCDF	35.59	7.527e3	6.552e3	1.15	NO	6.8377	6.8377
11 Total Hexa-Furans	35.60	1.024e4	8.496e3	1.21	NO	7.0682	7.0682



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.047			198		0.316	198

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.75	4.995e3	4.371e3	1.14	NO	3.5427	3.5427
2 Total Hexa-Furans	32.93	2.300e4	1.862e4	1.23	NO	15.744	15.744
3 Total Hexa-Furans	33.28	6.607e2	6.846e2	0.96	YES	0.45143	0.00000
4 Total Hexa-Furans	33.46	2.723e4	2.158e4	1.26	NO	18.464	18.464
5 1,2,3,4,7,8-HxCDF	33.94	2.689e5	2.234e5	1.20	NO	199.11	199.11
6 1,2,3,6,7,8-HxCDF	34.06	5.491e4	4.512e4	1.21	NO	34.845	34.845
7 Total Hexa-Furans	34.34	8.782e2	9.886e2	0.89	YES	0.60005	0.00000
8 2,3,4,6,7,8-HxCDF	34.65	9.805e3	8.289e3	1.18	NO	6.5985	6.5985
9 1,2,3,7,8,9-HxCDF	35.59	7.527e3	6.552e3	1.15	NO	8.8377	8.8377
10 Total Hexa-Furans	35.60	1.024e4	8.496e3	1.21	NO	7.0882	7.0882



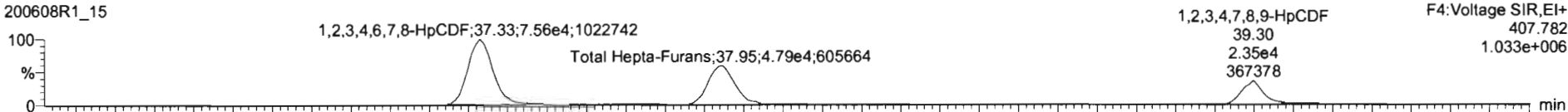
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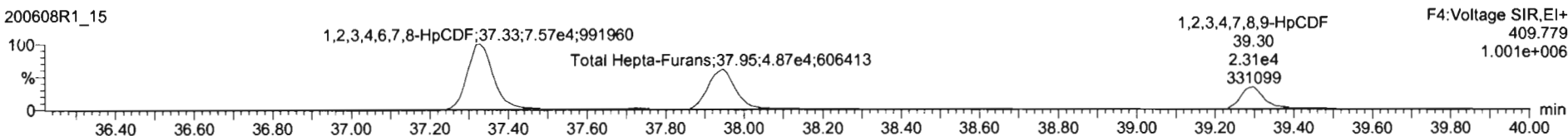
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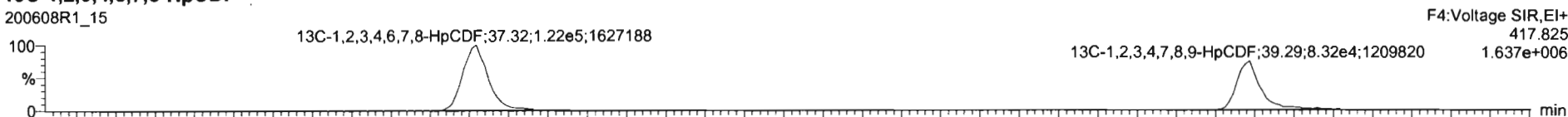


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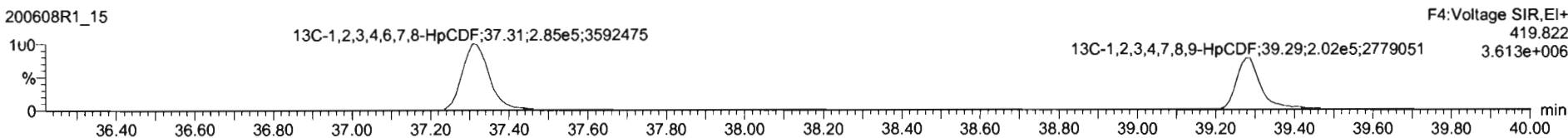


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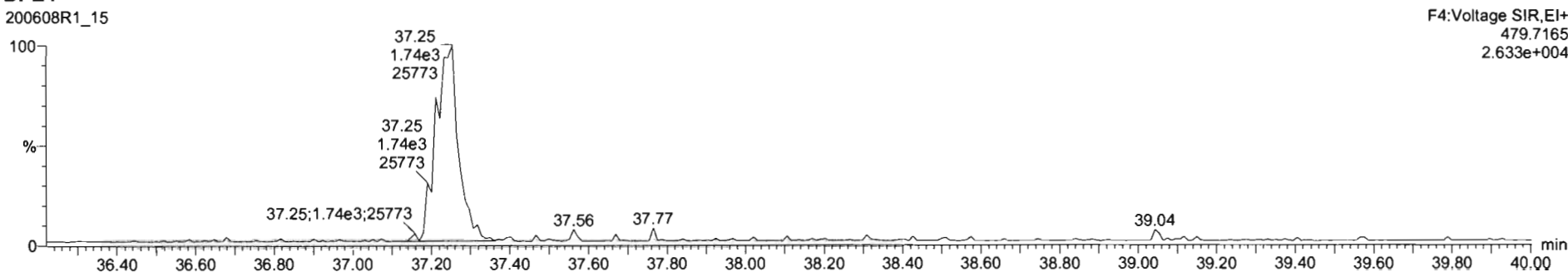


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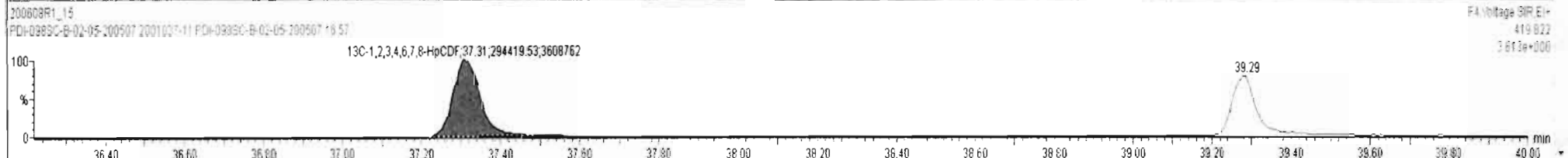
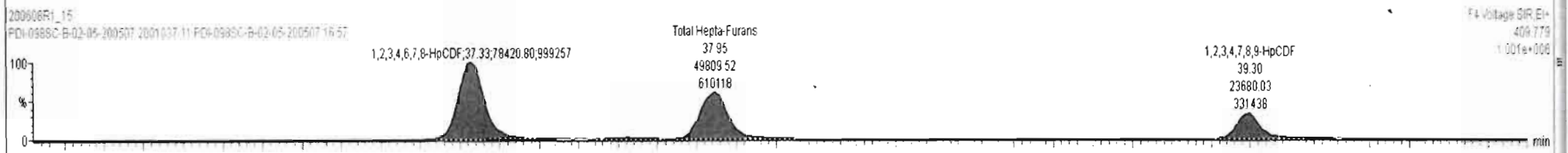
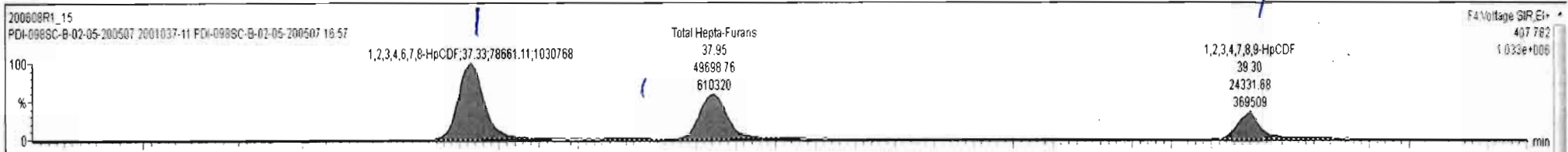
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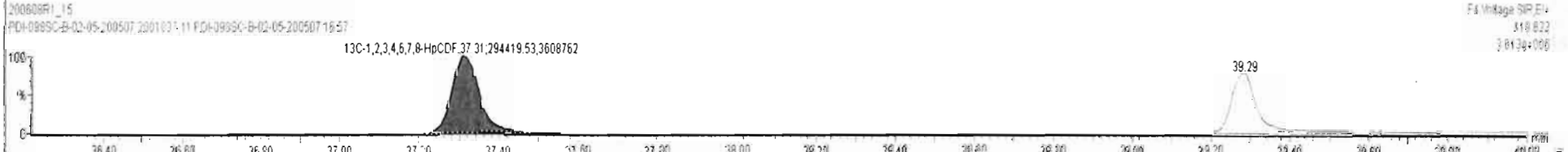
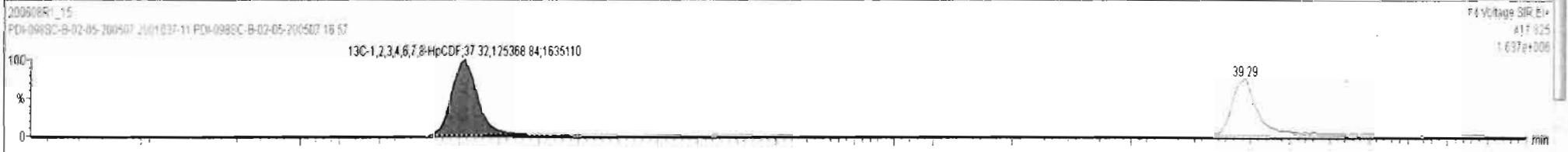
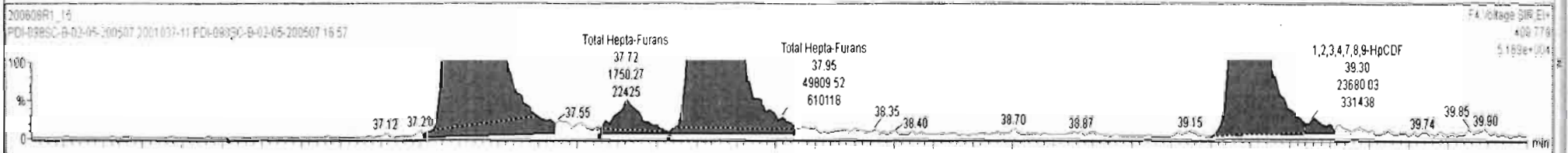
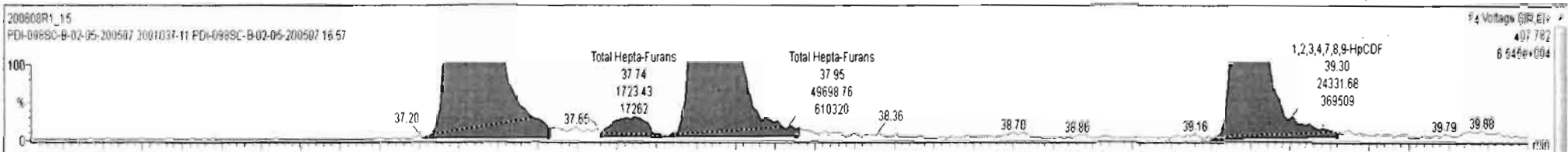
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.047			300		0.471	300

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	7.866e4	7.842e4	1.00	NO	85.283	85.283
2 Total Hepta-Furans	37.74	1.723e3	1.750e3	0.96	NO	2.2447	2.2447
3 Total Hepta-Furans	37.95	4.970e4	4.961e4	1.00	NO	64.303	64.303
4 1,2,3,4,7,8,9-HpCDF	39.30	2.433e4	2.366e4	1.03	NO	33.039	33.039



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.047			300		0.471	300

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	7.866e4	7.842e4	1.00	NO	85.283	85.283
2 Total Hepta-Furans	37.74	1.723e3	1.750e3	0.98	NO	2.2447	2.2447
3 Total Hepta-Furans	37.95	4.970e4	4.981e4	1.00	NO	64.303	64.303
4 1,2,3,4,7,8,9-HpCDF	39.30	2.433e4	2.368e4	1.03	NO	33.039	33.039

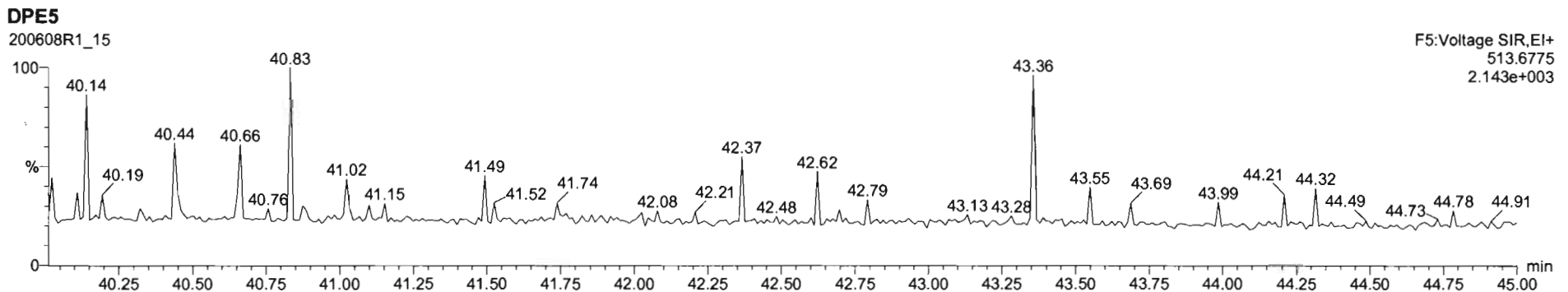
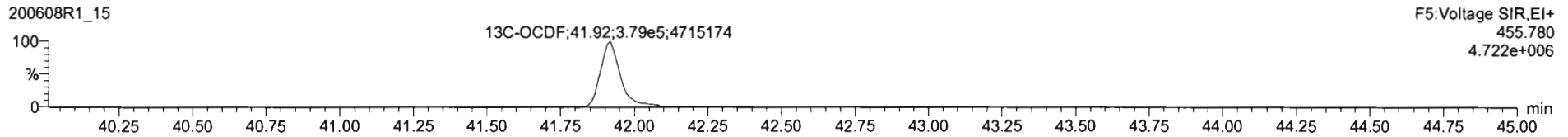
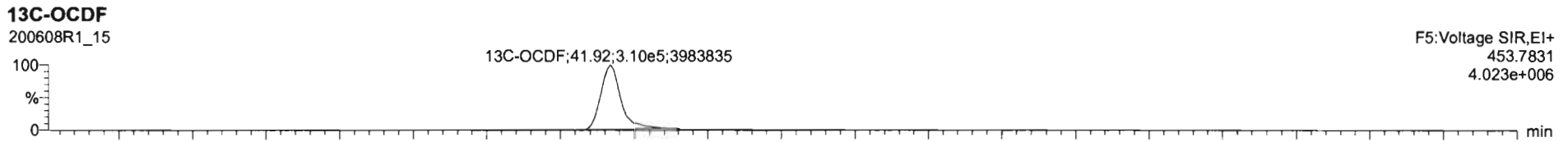
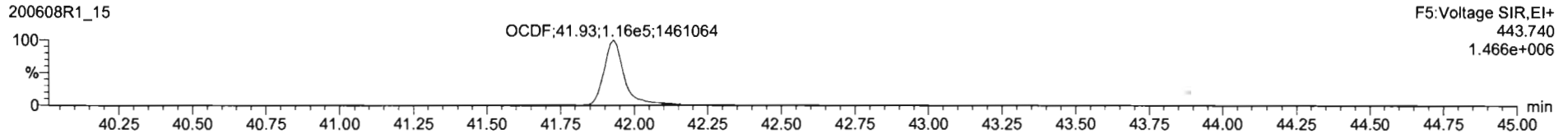
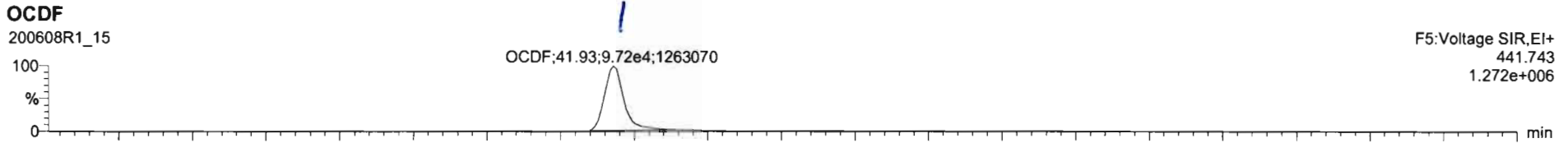


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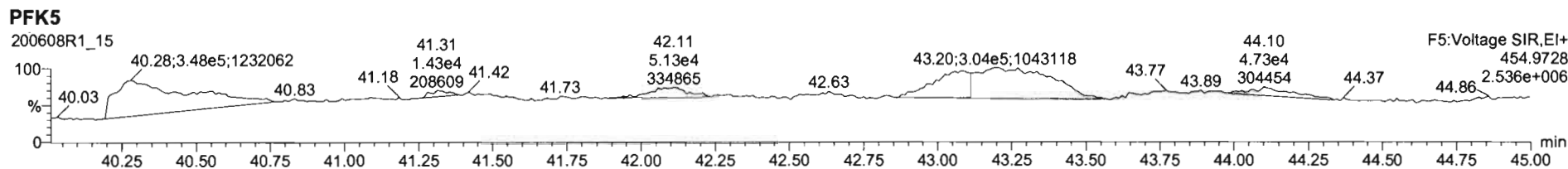
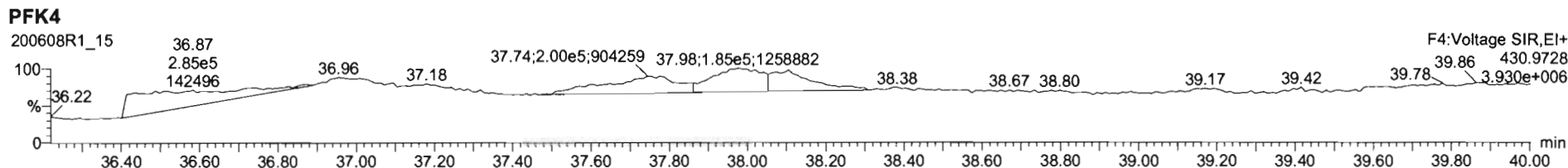
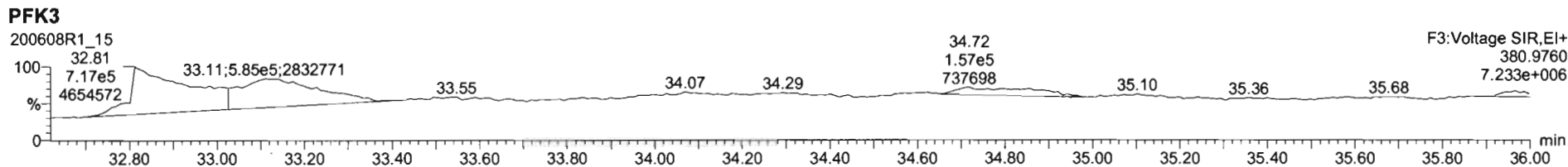
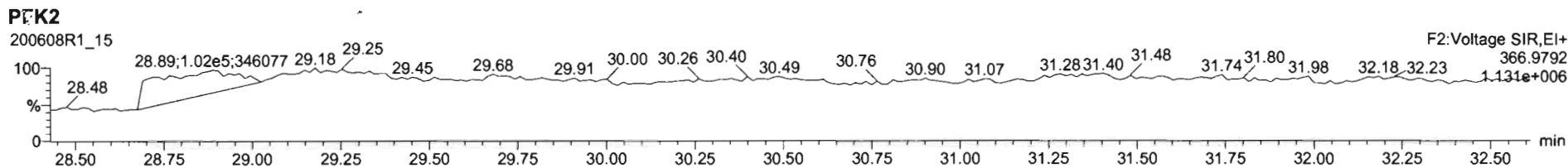
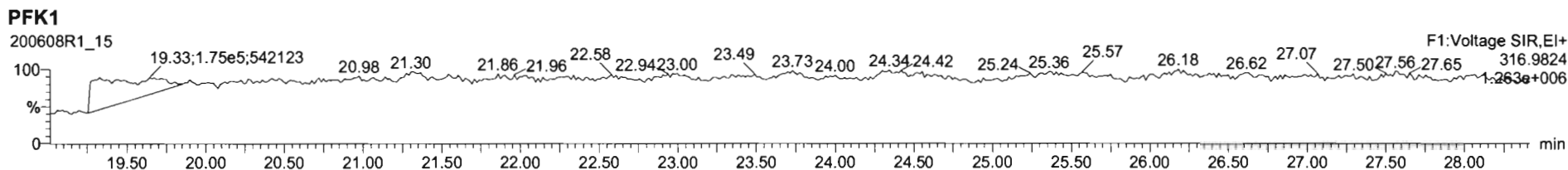
Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_15, Date: 08-Jun-2020, Time: 22:31:43, ID: 2001037-11 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507



Dataset: U:\VG12.PRO\Results\200608R1\200608R1-16c.qld

Last Altered: Wednesday, June 24, 2020 16:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 17:00:53 Pacific Daylight Time

July 06-25-2020

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	F _{pred} R _T	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.32e3	0.67	NO	0.888	18.670	26.471	26.47	1.001	1.001	0.69443		0.115	0.694
2	2 1,2,3,7,8-PeCDD	1.54e3	0.71	NO	0.908	16.670	31.442	31.44	1.001	1.000	0.61782		0.181	0.618
3	3 1,2,3,4,7,8-HxCDD	1.33e3	1.22	NO	1.03	16.670	34.803	34.81	1.000	1.001	0.67743		0.247	0.677
4	4 1,2,3,6,7,8-HxCDD	7.04e3	1.29	NO	0.892	16.670	34.900	34.92	1.000	1.001	3.2507		0.253	3.25
5	5 1,2,3,7,8,9-HxCDD	2.79e3	1.28	NO	0.887	16.670	35.188	35.20	1.000	1.001	1.4755		0.303	1.48
6	6 1,2,3,4,6,7,8-HpCDD	9.53e4	1.02	NO	0.864	16.670	38.735	38.74	1.000	1.001	65.067		0.750	65.1
7	7 OCDD	9.13e5	0.82	NO	0.914	16.670	41.727	41.74	1.000	1.000	761.32		1.13	761
8	8 2,3,7,8-TCDF	3.35e5	0.75	NO	0.751	16.670	25.567	25.57	1.001	1.001	88.991	(84.899)	0.215	89.0
9	9 1,2,3,7,8-PeCDF	4.25e5	1.56	NO	0.893	16.670	30.160	30.15	1.001	1.000	108.61		0.408	109
10	10 2,3,4,7,8-PeCDF	1.43e5	1.55	NO	0.935	16.670	31.134	31.13	1.001	1.000	35.764		0.359	35.8
11	11 1,2,3,4,7,8-HxCDF	4.40e5	1.20	NO	0.884	16.670	33.920	33.93	1.000	1.000	180.79		0.488	181
12	12 1,2,3,6,7,8-HxCDF	1.31e5	1.21	NO	0.889	16.670	34.047	34.06	1.000	1.001	45.757		0.453	45.8
13	13 2,3,4,6,7,8-HxCDF	2.30e4	1.20	NO	0.934	16.670	34.658	34.64	1.001	1.001	8.9074		0.483	8.91
14	14 1,2,3,7,8,9-HxCDF	2.49e4	1.16	NO	0.871	16.670	35.539	35.59	1.000	1.001	12.363		0.710	12.4
15	15 1,2,3,4,6,7,8-HpCDF	1.13e5	1.00	NO	0.873	16.670	37.344	37.33	1.001	1.001	67.403		0.629	67.4
16	16 1,2,3,4,7,8,9-HpCDF	4.29e4	0.99	NO	1.01	16.670	39.277	39.29	1.000	1.000	29.429		0.615	29.4
17	17 OCDF	1.74e5	0.86	NO	0.806	16.670	41.919	41.93	1.000	1.000	135.74		0.400	136
18	18 13C-2,3,7,8-TCDD	7.43e5	0.82	NO	1.16	16.670	26.461	26.44	1.026	1.026	198.65	100	0.313	
19	19 13C-1,2,3,7,8-PeCDD	5.44e5	0.62	NO	0.849	16.670	31.637	31.42	1.227	1.219	198.30	100	0.459	
20	20 13C-1,2,3,4,7,8-HxCDD	3.77e5	1.27	NO	0.779	16.670	34.809	34.79	1.014	1.014	161.39	81.6	0.786	
21	21 13C-1,2,3,6,7,8-HxCDD	4.80e5	1.26	NO	1.02	16.670	34.922	34.90	1.017	1.017	157.52	79.6	0.602	
22	22 13C-1,2,3,7,8,9-HxCDD	4.22e5	1.27	NO	0.903	16.670	35.193	35.18	1.025	1.025	156.04	78.9	0.678	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.35e5	1.05	NO	0.689	16.670	38.715	38.72	1.128	1.128	162.20	82.0	0.612	
24	24 13C-OCDD	5.19e5	0.87	NO	0.652	16.670	41.736	41.73	1.216	1.216	265.48	67.1	0.647	
25	25 13C-2,3,7,8-TCDF	9.91e5	0.80	NO	1.06	16.670	25.504	25.54	0.989	0.991	183.27	92.6	0.355	
26	26 13C-1,2,3,7,8-PeCDF	8.67e5	1.61	NO	0.838	16.670	30.023	30.14	1.165	1.169	202.49	102	0.604	
27	27 13C-2,3,4,7,8-PeCDF	8.44e5	1.64	NO	0.817	16.670	30.975	31.11	1.202	1.207	202.26	102	0.620	
28	28 13C-1,2,3,4,7,8-HxCDF	5.44e5	0.50	NO	1.01	16.670	33.941	33.92	0.989	0.988	179.94	91.0	0.639	
29	29 13C-1,2,3,6,7,8-HxCDF	6.35e5	0.52	NO	1.17	16.670	34.064	34.04	0.992	0.992	181.33	91.7	0.552	
30	30 13C-2,3,4,6,7,8-HxCDF	5.47e5	0.52	NO	1.02	16.670	34.637	34.62	1.009	1.009	178.44	90.2	0.630	

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-16c.qld

Last Altered: Wednesday, June 24, 2020 16:41:58 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 17:00:53 Pacific Daylight Time

Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate

July 06-24-2020

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	4.58e5	0.52	NO	0.860	16.076 10.104	35.537	35.54	1.035	1.035	177.55	89.7	0.749	
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.81e5	0.43	NO	0.774	16.670	37.284	37.31	1.086	1.087	164.03	82.9	0.583	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.85e5	0.41	NO	0.521	16.670	39.312	39.28	1.145	1.144	182.13	92.1	0.867	
34	34 13C-OCDF	6.28e5	0.91	NO	0.746	16.670	41.907	41.92	1.221	1.221	280.62	70.9	0.555	
35	35 37Cl-2,3,7,8-TCDD	2.93e5			1.04	16.670	26.492	26.45	1.028	1.026	87.345	110	0.233	
36	36 13C-1,2,3,4-TCDD	6.40e5	0.79	NO	1.00	16.670	25.890	25.78	1.000	1.000	197.84	100	0.362	
37	37 13C-1,2,3,4-TCDF	1.01e6	0.77	NO	1.00	16.670	24.360	24.09	1.000	1.000	197.84	100	0.376	
38	38 13C-1,2,3,4,6,9-HxCDF	5.93e5	0.51	NO	1.00	16.670	34.420	34.33	1.000	1.000	197.84	100	0.644	
39	39 Total Tetra-Dioxins				0.888	16.670	24.620		0.000		5.5790		0.115	6.28
40	40 Total Penta-Dioxins				0.908	16.670	29.960		0.000		7.3775		0.181	7.80
41	41 Total Hexa-Dioxins				0.892	16.670	33.635		0.000		34.844		0.278	34.8
42	42 Total Hepta-Dioxins				0.864	16.670	37.640		0.000		148.34		0.750	148
43	43 Total Tetra-Furans				0.751	16.670	23.610		0.000		229.67		0.215	231
44	44 1st Func. Penta-Furans				0.893	16.670	27.580		0.000		10.781		0.0440	10.8
45	45 Total Penta-Furans				0.893	16.670	29.275		0.000		252.02		0.392	255
46	46 Total Hexa-Furans				0.934	16.670	33.555		0.000		304.70		0.500	305
47	47 Total Hepta-Furans				0.873	16.670	37.835		0.000		164.48		0.665	164

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-16c.qld

Last Altered: Wednesday, June 24, 2020 16:41:58 Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.43	3.275e4	4.282e4	2.970e3	3.761e3	0.79	NO	6.731e3	2.0183	2.0183	0.115
2	Total Tetra-Dioxins	22.88	1.257e4	2.110e4	1.206e3	1.714e3	0.70	NO	2.920e3	0.87575	0.87575	0.115
3	Total Tetra-Dioxins	23.37	6.213e3	9.769e3	5.009e2	6.845e2	0.73	NO	1.185e3	0.35545	0.35545	0.115
4	Total Tetra-Dioxins	24.24	6.994e3	7.536e3	5.309e2	6.763e2	0.79	NO	1.207e3	0.36199	0.36199	0.115
5	Total Tetra-Dioxins	24.52	6.149e3	7.431e3	4.670e2	5.426e2	0.86	NO	1.010e3	0.30273	0.30273	0.115
6	Total Tetra-Dioxins	24.75	8.302e3	9.216e3	6.149e2	7.111e2	0.86	NO	1.326e3	0.39761	0.39761	0.115
7	Total Tetra-Dioxins	25.23	3.956e3	5.268e3	2.528e2	2.748e2	0.92	YES	0.000e0	0.00000	0.14588	0.115
8	Total Tetra-Dioxins	25.39	4.952e3	6.966e3	3.670e2	4.138e2	0.89	YES	0.000e0	0.00000	0.21965	0.115
9	Total Tetra-Dioxins	25.78	4.754e3	5.885e3	2.858e2	4.613e2	0.62	YES	0.000e0	0.00000	0.19701	0.115
10	Total Tetra-Dioxins	26.20	1.138e4	1.423e4	8.513e2	1.059e3	0.80	NO	1.910e3	0.57276	0.57276	0.115
11	2,3,7,8-TCDD	26.47	1.330e4	2.080e4	9.315e2	1.384e3	0.67	NO	2.316e3	0.69443	0.69443	0.115
12	Total Tetra-Dioxins	26.78	4.711e3	3.675e3	2.300e2	2.548e2	0.90	YES	0.000e0	0.00000	0.13526	0.115

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	2.473e4	4.590e4	2.160e3	3.266e3	0.66	NO	5.426e3	2.1716	2.1716	0.181
2	Total Penta-Dioxins	29.70	1.208e4	1.588e4	6.837e2	9.662e2	0.71	NO	1.650e3	0.66038	0.66038	0.181
3	Total Penta-Dioxins	30.20	2.121e4	4.199e4	1.477e3	2.062e3	0.72	NO	3.539e3	1.4165	1.4165	0.181
4	Total Penta-Dioxins	30.35	1.263e4	1.785e4	6.607e2	1.012e3	0.65	NO	1.673e3	0.66961	0.66961	0.181
5	Total Penta-Dioxins	30.43	7.590e3	1.526e4	5.332e2	9.185e2	0.58	NO	1.452e3	0.58101	0.58101	0.181
6	Total Penta-Dioxins	30.66	1.255e4	1.883e4	9.965e2	1.459e3	0.68	NO	2.455e3	0.98260	0.98260	0.181
7	Total Penta-Dioxins	31.01	4.822e3	9.200e3	3.298e2	4.017e2	0.82	YES	0.000e0	0.00000	0.26210	0.181
8	1,2,3,7,8-PeCDD	31.44	1.364e4	1.663e4	6.403e2	9.033e2	0.71	NO	1.544e3	0.61782	0.61782	0.181
9	Total Penta-Dioxins	31.51	2.567e3	7.297e3	1.577e2	3.179e2	0.50	YES	0.000e0	0.00000	0.16332	0.181
10	Total Penta-Dioxins	31.82	4.053e3	8.884e3	2.445e2	4.500e2	0.54	NO	6.945e2	0.27799	0.27799	0.181

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-16c.qld

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Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, 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	33.30	2.570e5	2.006e5	1.329e4	1.068e4	1.24	NO	2.397e4	12.455	12.455	0.278
2	Total Hexa-Dioxins	33.87	3.053e4	2.976e4	1.725e3	1.466e3	1.18	NO	3.191e3	1.6583	1.6583	0.278
3	Total Hexa-Dioxins	34.12	2.275e5	1.798e5	1.570e4	1.237e4	1.27	NO	2.808e4	14.591	14.591	0.278
4	Total Hexa-Dioxins	34.24	1.660e4	1.278e4	8.093e2	6.087e2	1.33	NO	1.418e3	0.73691	0.73691	0.278
5	1,2,3,4,7,8-HxCDD	34.81	1.396e4	1.227e4	7.332e2	6.011e2	1.22	NO	1.334e3	0.67743	0.67743	0.247
6	1,2,3,6,7,8-HxCDD	34.92	6.632e4	5.087e4	3.962e3	3.081e3	1.29	NO	7.043e3	3.2507	3.2507	0.253
7	1,2,3,7,8,9-HxCDD	35.20	2.679e4	1.992e4	1.570e3	1.224e3	1.28	NO	2.795e3	1.4755	1.4755	0.303

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	7.590e5	7.494e5	6.117e4	6.075e4	1.01	NO	1.219e5	83.274	83.274	0.750
2	1,2,3,4,6,7,8-HpCDD	38.74	6.395e5	6.324e5	4.814e4	4.713e4	1.02	NO	9.527e4	65.067	65.067	0.750

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-16c.qld

Last Altered: Wednesday, June 24, 2020 16:41:58 Pacific Daylight Time

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Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, 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	20.29	1.413e4	1.407e4	1.112e3	1.248e3	0.89	YES	0.000e0	0.00000	0.58710	0.215
2	Total Tetra-Furans	20.83	2.211e4	2.850e4	2.028e3	2.316e3	0.88	NO	4.344e3	1.1546	1.1546	0.215
3	Total Tetra-Furans	21.42	7.504e4	1.108e5	6.834e3	9.517e3	0.72	NO	1.635e4	4.3456	4.3456	0.215
4	Total Tetra-Furans	21.98	4.847e4	5.938e4	6.743e3	8.897e3	0.76	NO	1.564e4	4.1566	4.1566	0.215
5	Total Tetra-Furans	22.38	2.680e5	3.417e5	2.716e4	3.566e4	0.76	NO	6.282e4	16.695	16.695	0.215
6	Total Tetra-Furans	22.88	9.793e4	1.285e5	9.228e3	1.254e4	0.74	NO	2.177e4	5.7851	5.7851	0.215
7	Total Tetra-Furans	23.06	1.780e4	2.555e4	1.460e3	1.947e3	0.75	NO	3.408e3	0.90566	0.90566	0.215
8	Total Tetra-Furans	23.25	5.339e4	7.737e4	4.820e3	6.779e3	0.71	NO	1.160e4	3.0826	3.0826	0.215
9	Total Tetra-Furans	23.67	1.267e4	2.033e4	1.244e3	1.501e3	0.83	NO	2.746e3	0.72975	0.72975	0.215
10	Total Tetra-Furans	23.83	1.260e4	1.668e4	1.257e3	1.651e3	0.76	NO	2.908e3	0.77298	0.77298	0.215
11	Total Tetra-Furans	24.01	6.710e4	8.797e4	4.848e3	6.702e3	0.72	NO	1.155e4	3.0696	3.0696	0.215
12	Total Tetra-Furans	24.09	1.445e5	1.919e5	1.433e4	1.928e4	0.74	NO	3.361e4	8.9327	8.9327	0.215
13	Total Tetra-Furans	24.61	1.365e6	1.823e6	1.116e5	1.481e5	0.75	NO	2.598e5	69.035	69.035	0.215
14	Total Tetra-Furans	24.91	5.971e4	7.849e4	5.017e3	6.583e3	0.76	NO	1.160e4	3.0830	3.0830	0.215
15	Total Tetra-Furans	25.09	1.390e4	1.417e4	1.249e3	1.556e3	0.80	NO	2.805e3	0.74544	0.74544	0.215
16	Total Tetra-Furans	25.35	1.905e4	2.736e4	1.260e3	1.741e3	0.72	NO	3.002e3	0.79776	0.79776	0.215
17	Total Tetra-Furans	25.45	1.685e5	2.363e5	1.107e4	1.519e4	0.73	NO	2.625e4	6.9777	6.9777	0.215
18	2,3,7,8-TCDF	25.57	1.820e6	2.520e6	1.433e5	1.915e5	0.75	NO	3.348e5	88.991	88.991	0.215
19	Total Tetra-Furans	25.94	8.277e4	1.060e5	6.222e3	8.435e3	0.74	NO	1.466e4	3.8952	3.8952	0.215
20	Total Tetra-Furans	26.20	1.367e4	2.269e4	1.089e3	1.439e3	0.76	NO	2.528e3	0.67192	0.67192	0.215
21	Total Tetra-Furans	26.99	1.068e4	9.121e3	7.970e2	4.995e2	1.60	YES	0.000e0	0.00000	0.23496	0.215
22	Total Tetra-Furans	27.11	4.337e3	4.613e3	2.760e2	2.484e2	1.11	YES	0.000e0	0.00000	0.11686	0.215
23	Total Tetra-Furans	27.29	6.923e3	8.307e3	4.321e2	4.002e2	1.08	YES	0.000e0	0.00000	0.18828	0.215
24	Total Tetra-Furans	27.58	1.426e5	1.875e5	1.024e4	1.174e4	0.87	NO	2.198e4	5.8414	5.8414	0.215

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	4.001e5	2.579e5	2.527e4	1.632e4	1.55	NO	4.159e4	10.781	10.781	0.0440

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-16c.qld

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Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.01	6.121e4	4.806e4	4.079e3	2.688e3	1.52	NO	6.767e3	1.7543	1.7543	0.392
2	Total Penta-Furans	29.16	1.813e6	1.163e6	1.147e5	7.326e4	1.57	NO	1.880e5	48.737	48.737	0.392
3	Total Penta-Furans	29.74	1.036e5	6.443e4	6.367e3	4.020e3	1.58	NO	1.039e4	2.6928	2.6928	0.392
4	Total Penta-Furans	29.80	4.674e4	3.982e4	2.809e3	2.188e3	1.28	YES	0.000e0	0.00000	1.1978	0.392
5	Total Penta-Furans	29.95	3.605e5	2.303e5	2.004e4	1.308e4	1.53	NO	3.312e4	8.5850	8.5850	0.392
6	1,2,3,7,8-PeCDF	30.15	4.306e6	2.785e6	2.586e5	1.661e5	1.56	NO	4.246e5	108.61	108.61	0.408
7	Total Penta-Furans	30.41	1.203e6	7.408e5	6.853e4	4.373e4	1.57	NO	1.123e5	29.102	29.102	0.392
8	Total Penta-Furans	30.90	1.339e4	8.192e3	6.443e2	3.896e2	1.65	NO	1.034e3	0.26803	0.26803	0.392
9	Total Penta-Furans	31.02	3.587e4	2.394e4	1.719e3	1.272e3	1.35	NO	2.990e3	0.77516	0.77516	0.392
10	2,3,4,7,8-PeCDF	31.13	1.733e6	1.071e6	8.667e4	5.587e4	1.55	NO	1.425e5	35.764	35.764	0.359
11	Total Penta-Furans	31.16	1.226e6	7.687e5	3.618e4	2.257e4	1.60	NO	5.875e4	15.230	15.230	0.392
12	Total Penta-Furans	31.43	1.426e4	1.037e4	1.174e3	7.388e2	1.59	NO	1.913e3	0.49592	0.49592	0.392
13	Total Penta-Furans	32.08	1.002e5	5.330e4	5.914e3	3.291e3	1.80	YES	0.000e0	0.00000	2.1756	0.392

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.76	1.244e5	9.693e4	5.911e3	4.871e3	1.21	NO	1.078e4	4.1838	4.1838	0.500
2	Total Hexa-Furans	32.93	5.529e5	4.467e5	2.859e4	2.356e4	1.21	NO	5.215e4	20.238	20.238	0.500
3	Total Hexa-Furans	33.29	1.743e4	1.803e4	9.221e2	8.466e2	1.09	NO	1.769e3	0.68636	0.68636	0.500
4	Total Hexa-Furans	33.47	6.343e5	5.083e5	3.275e4	2.639e4	1.24	NO	5.913e4	22.947	22.947	0.500
5	Total Hexa-Furans	33.83	3.425e4	2.656e4	1.649e3	1.196e3	1.38	NO	2.844e3	1.1037	1.1037	0.500
6	1,2,3,4,7,8-HxCDF	33.93	4.231e6	3.548e6	2.397e5	1.998e5	1.20	NO	4.395e5	180.79	180.79	0.488
7	1,2,3,6,7,8-HxCDF	34.06	1.086e6	9.008e5	7.158e4	5.896e4	1.21	NO	1.305e5	45.757	45.757	0.453
8	Total Hexa-Furans	34.33	2.822e4	2.468e4	1.723e3	1.537e3	1.12	NO	3.260e3	1.2649	1.2649	0.500
9	2,3,4,6,7,8-HxCDF	34.64	2.122e5	1.784e5	1.255e4	1.045e4	1.20	NO	2.300e4	8.9074	8.9074	0.483
10	1,2,3,7,8,9-HxCDF	35.59	3.214e5	2.839e5	1.340e4	1.151e4	1.16	NO	2.491e4	12.363	12.363	0.710
11	Total Hexa-Furans	35.60	3.135e5	2.529e5	9.353e3	7.306e3	1.28	NO	1.666e4	6.4646	6.4646	0.500

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Dataset: U:\VG12.PRO\Results\200608R1\200608R1-16c.qld

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Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.33	7.366e5	7.540e5	5.675e4	5.664e4	1.00	NO	1.134e5	67.403	67.403	0.629
2	Total Hepta-Furans	37.72	1.787e4	1.739e4	1.261e3	1.411e3	0.89	NO	2.672e3	1.8187	1.8187	0.665
3	Total Hepta-Furans	37.94	5.951e5	6.108e5	4.828e4	4.845e4	1.00	NO	9.673e4	65.830	65.830	0.665
4	1,2,3,4,7,8,9-HpCDF	39.29	3.370e5	3.256e5	2.136e4	2.152e4	0.99	NO	4.288e4	29.429	29.429	0.615

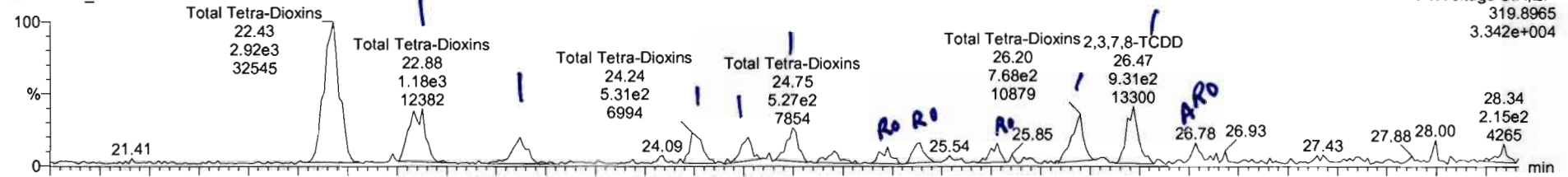
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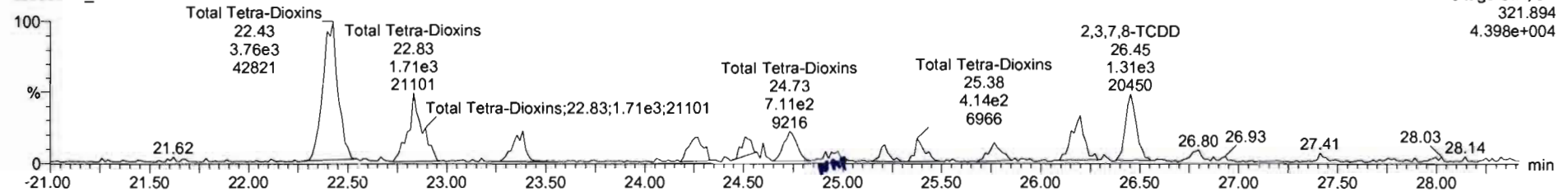
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2,3,7,8-TCDD

200608R1_16

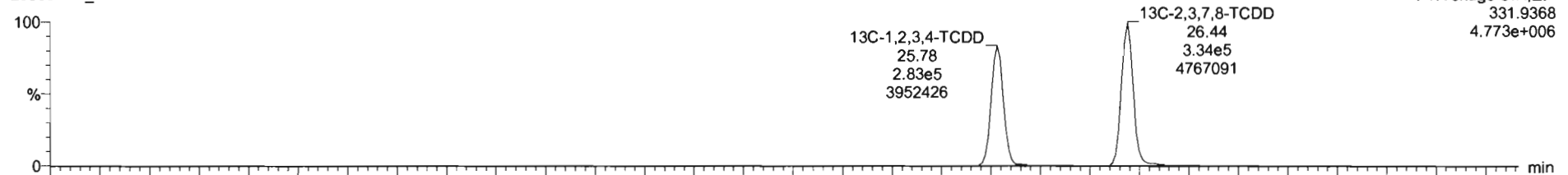


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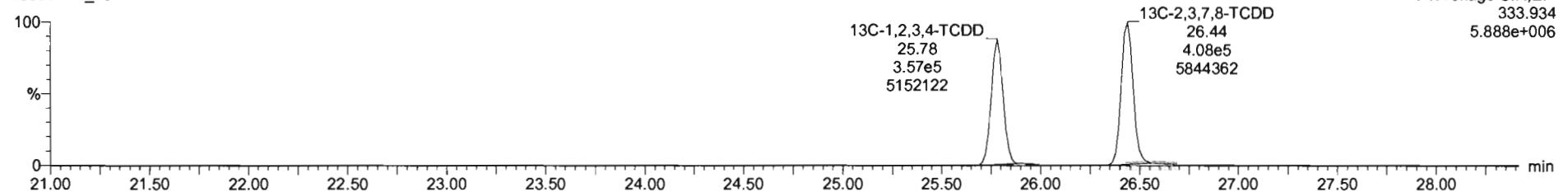


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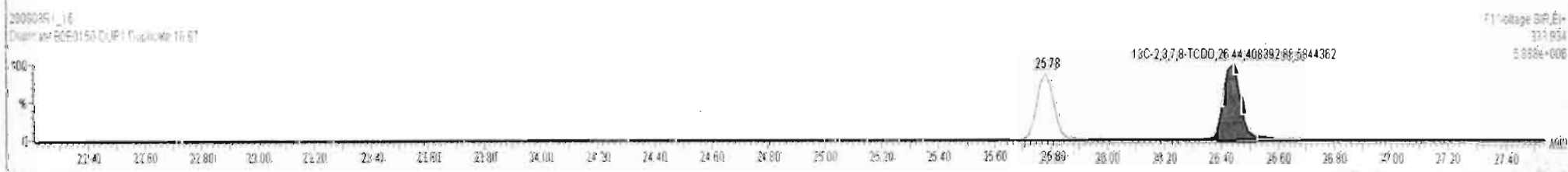
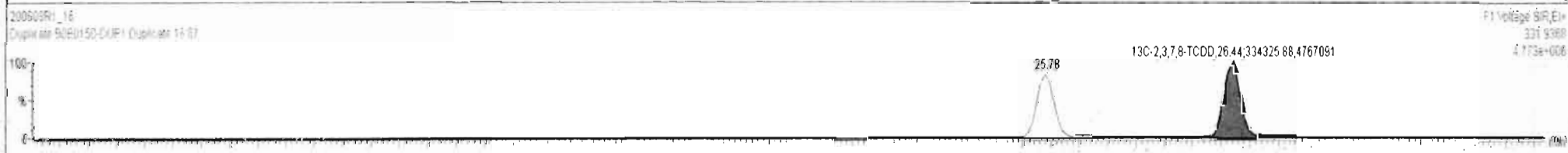
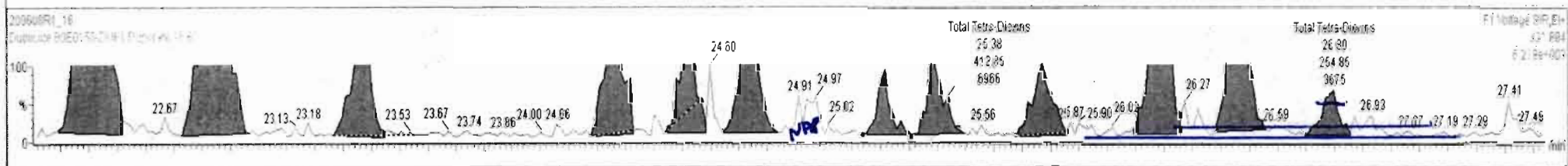
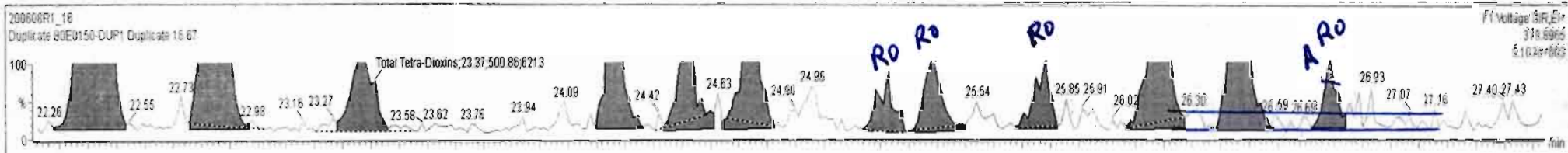


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Name	Resp	RA	n/y	RRF	wtVol	RT	RR1	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	16.670			3.38		0.0698	3.81
40 Total Penta-Dioxins				0.9081	16.670			0.345		0.110	1.59
41 Total Hexa-Dioxins				0.8923	16.670			17.5		0.169	20.4
42 Total Hepta-Dioxins				0.8639	16.670			90.3		0.452	90.5
43 Total Tetra-Furans				0.7510	16.670			128		0.128	135

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.43	2.970e3	3.838e3	0.77	NO	1.2380	1.2380
2 Total Tetra-Dioxins	22.88	1.206e3	1.714e3	0.70	NO	0.53108	0.53108
3 Total Tetra-Dioxins	23.37	5.009e2	6.845e2	0.73	NO	0.21555	0.21555
4 Total Tetra-Dioxins	24.24	5.309e2	6.763e2	0.79	NO	0.21952	0.21952
5 Total Tetra-Dioxins	24.52	4.670e2	5.426e2	0.86	NO	0.18359	0.18359
6 Total Tetra-Dioxins	24.75	6.149e2	7.111e2	0.86	NO	0.24112	0.24112
7 Total Tetra-Dioxins	25.23	2.528e2	2.748e2	0.92	YES	0.088463	0.00000
8 Total Tetra-Dioxins	25.39	3.670e2	4.138e2	0.89	YES	0.13320	0.00000
9 Total Tetra-Dioxins	25.78	2.858e2	4.613e2	0.62	YES	0.11947	0.00000
10 Total Tetra-Dioxins	26.20	8.513e2	1.059e3	0.80	NO	0.34734	0.34734
11 2,3,7,8-TCDD	26.47	9.315e2	1.313e3	0.71	NO	0.40823	0.40823
12 Total Tetra-Dioxins	26.76	2.300e2	2.546e2	0.90	YES	0.082027	0.00000



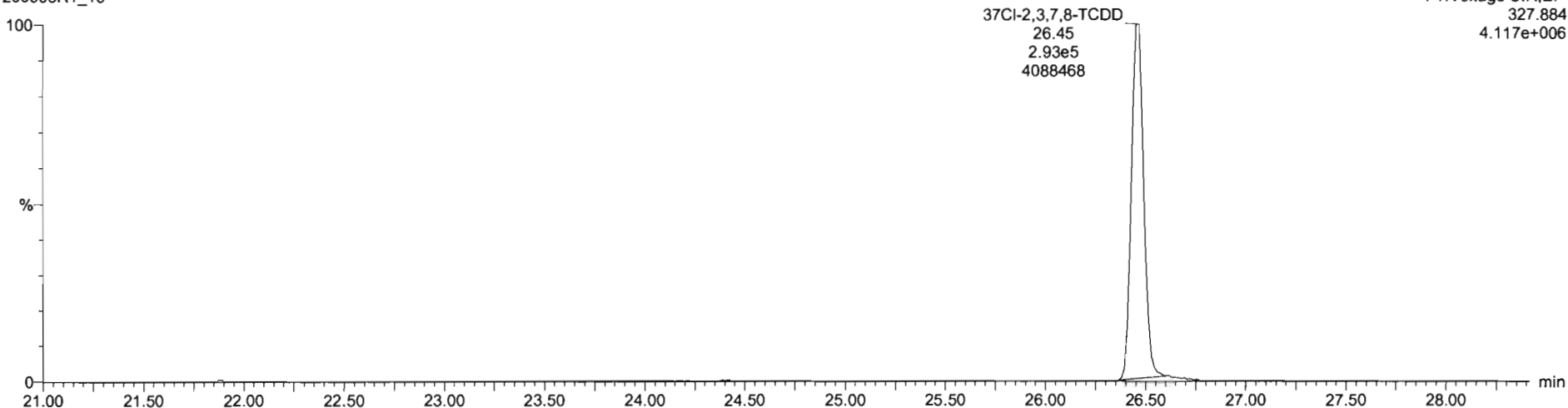
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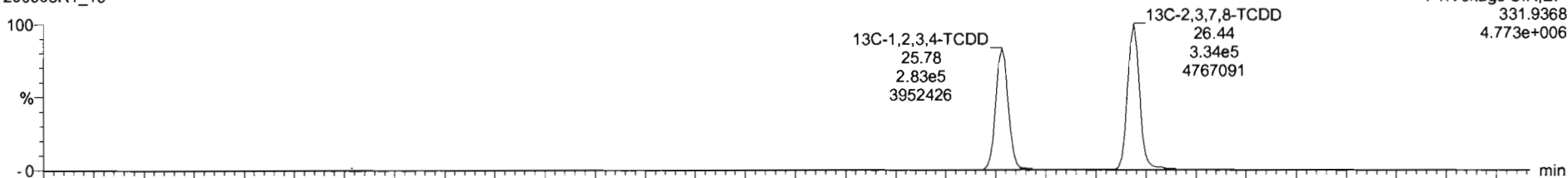
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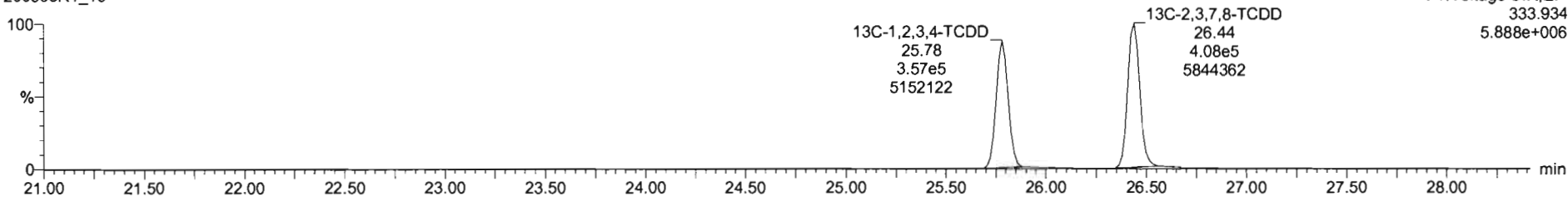


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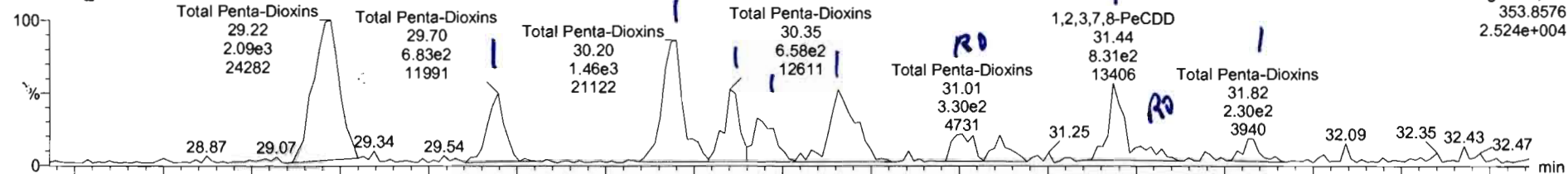
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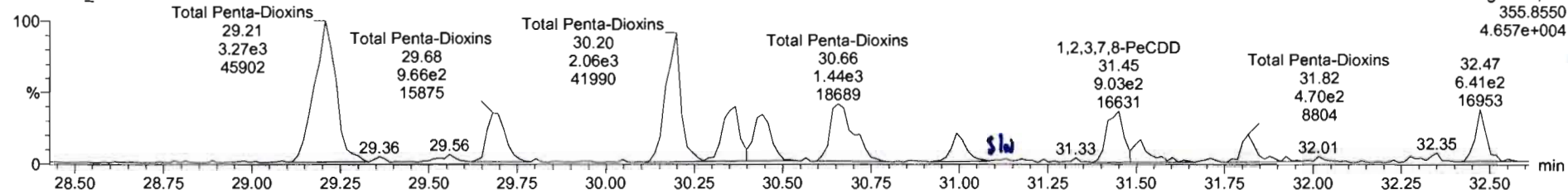
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1,2,3,7,8-PeCDD

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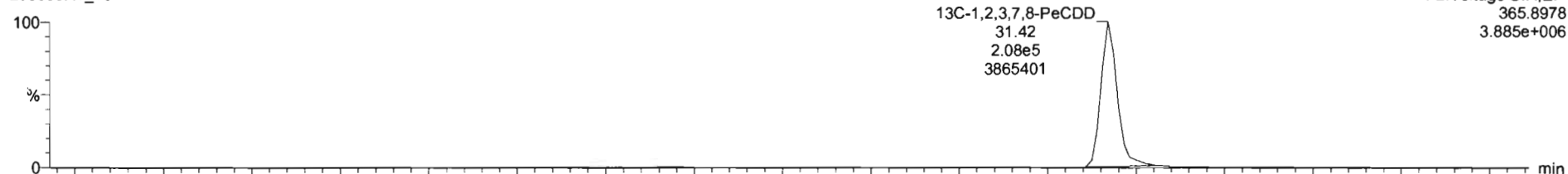


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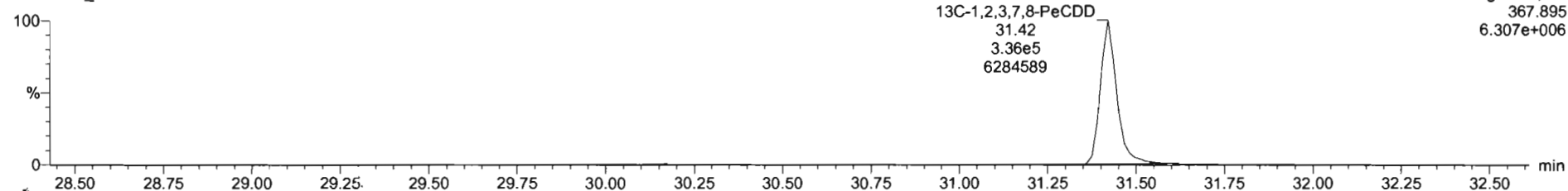


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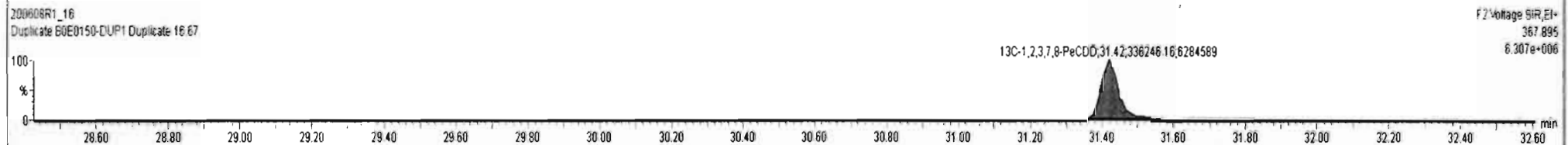
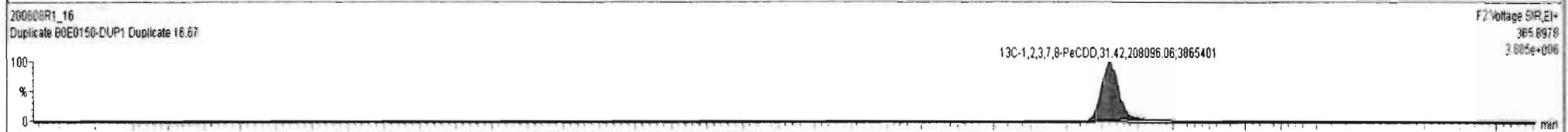
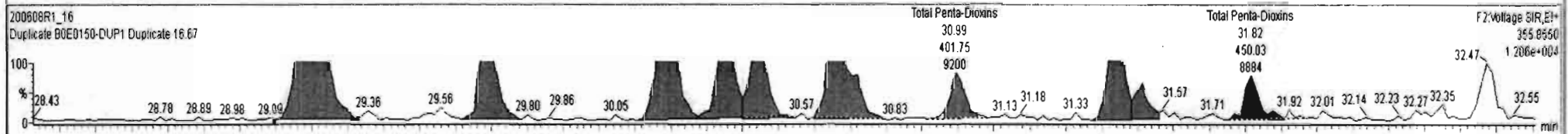
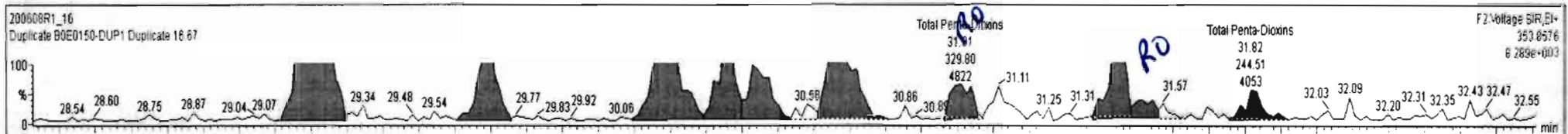
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200608R1_16 - B0E0150-DUP1 Duplicate 16.67 - Duplicate

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	16.670			7.38		0.181	7.80
41 Total Hexa-Dioxins				0.8923	16.670			34.8		0.278	34.8
42 Total Hepta-Dioxins				0.8539	16.670			148		0.750	148
43 Total Tetra-Furans				0.7510	16.670			230		0.215	231
44 1st Func. Penta-Furans				0.8925	16.670			10.8		0.0440	10.8
45 Total Penta-Furans				0.8925	16.670			252		0.392	255

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	2.160e3	3.266e3	0.66	NO	2.1716	2.1716
2 Total Penta-Dioxins	29.70	6.837e2	9.662e2	0.71	NO	0.66038	0.66038
3 Total Penta-Dioxins	30.20	1.477e3	2.052e3	0.72	NO	1.4165	1.4165
4 Total Penta-Dioxins	30.35	6.607e2	1.012e3	0.65	NO	0.66961	0.66561
5 Total Penta-Dioxins	30.43	5.332e2	9.185e2	0.58	NO	0.58101	0.58101
6 Total Penta-Dioxins	30.66	9.955e2	1.459e3	0.68	NO	0.98260	0.98260
7 Total Penta-Dioxins	31.01	3.298e2	4.017e2	0.82	YES	0.26210	0.00000
8 1,2,3,7,8-PeCDD	31.44	6.403e2	9.033e2	0.71	NO	0.61782	0.61782
9 Total Penta-Dioxins	31.51	1.577e2	3.179e2	0.50	YES	0.16332	0.00000
10 Total Penta-Dioxins	31.82	2.445e2	4.500e2	0.54	NO	0.27739	0.27739



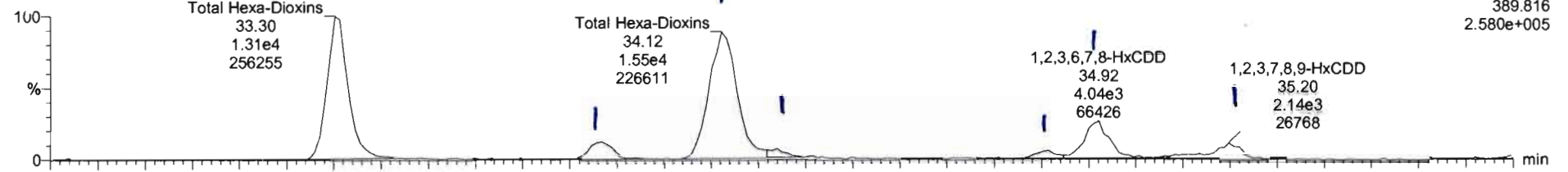
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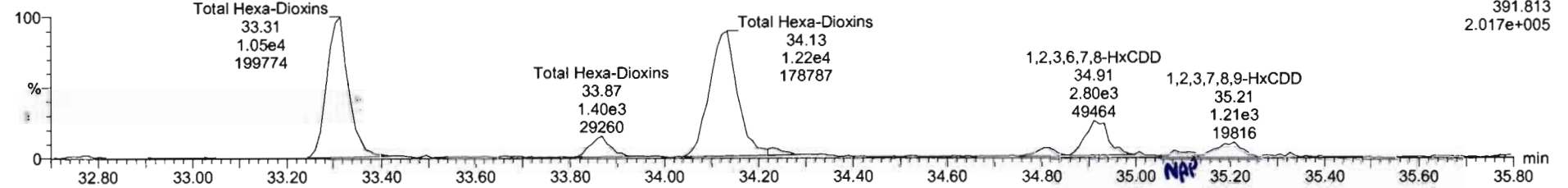
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1,2,3,4,7,8-HxCDD

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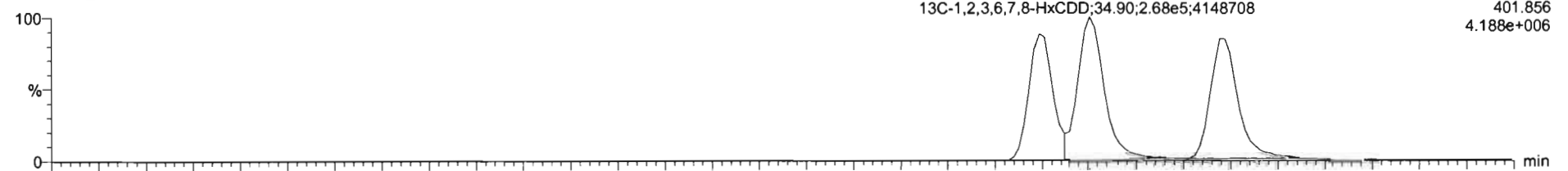


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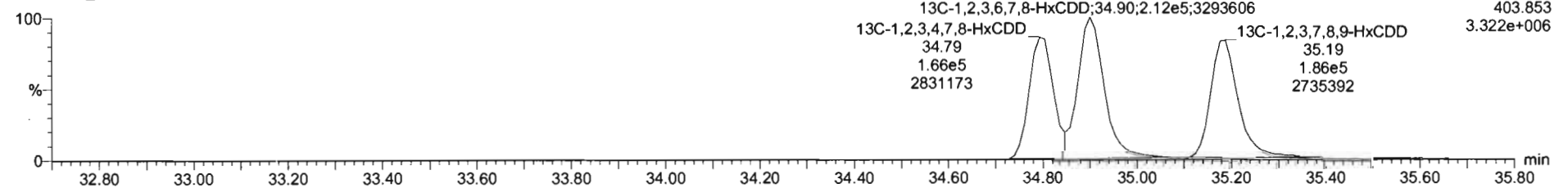


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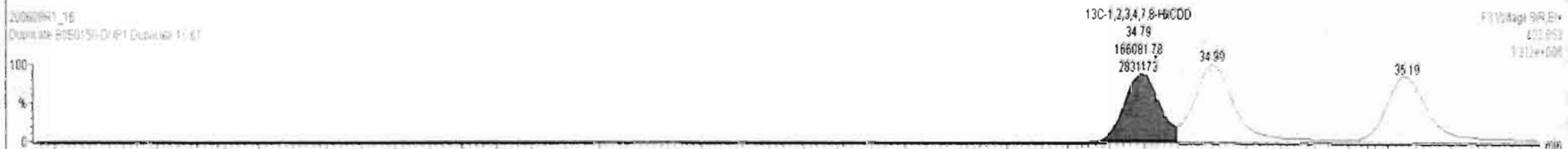
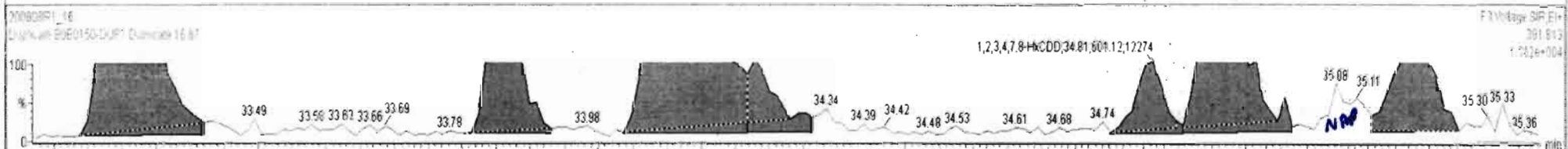
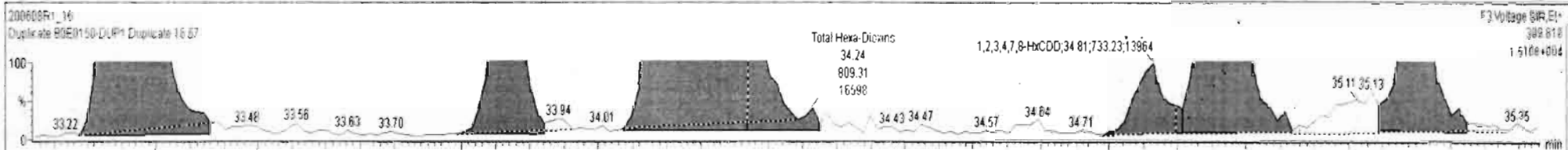


200608R1_16



Name	Resp	RA	n/y	RRF	wtAvl	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	16.670			3.36		0.0698	3.61
40 Total Penta-Dioxins				0.9081	16.670			4.62		0.110	4.72
41 Total Hexa-Dioxins				0.8923	16.670			21.1		0.169	21.1
42 Total Hepta-Dioxins				0.8639	16.670			90.3		0.452	90.5
43 Total Tetra-Furans				0.7510	16.670			128		0.126	135

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Hexa-Dioxins	33.30	1.329e4	1.063e4	1.24	NO	7.5526	7.5526
2 Total Hexa-Dioxins	33.87	1.725e3	1.466e3	1.18	NO	1.0056	1.0056
3 Total Hexa-Dioxins	34.12	1.570e4	1.237e4	1.27	NO	8.8481	8.8481
4 Total Hexa-Dioxins	34.24	8.093e2	6.087e2	1.33	NO	0.44689	0.44689
5 1,2,3,4,7,8-HxCDD	34.81	7.332e2	6.011e2	1.22	NO	0.41081	0.41081
6 1,2,3,6,7,8-HxCDD	34.92	3.962e3	3.081e3	1.29	NO	1.9713	1.9713
7 1,2,3,7,8,9-HxCDD	35.20	1.570e3	1.224e3	1.28	NO	0.89480	0.89480



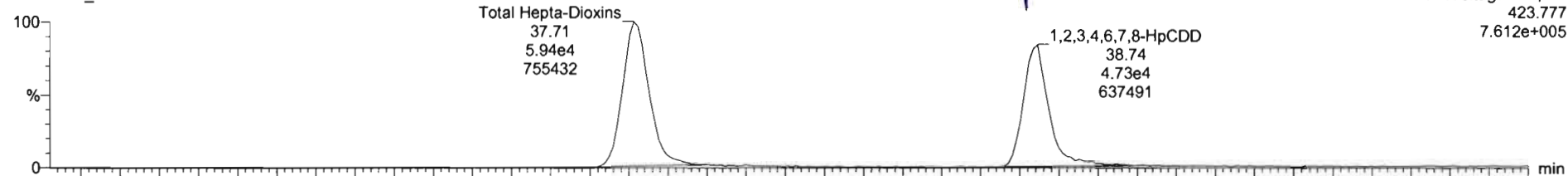
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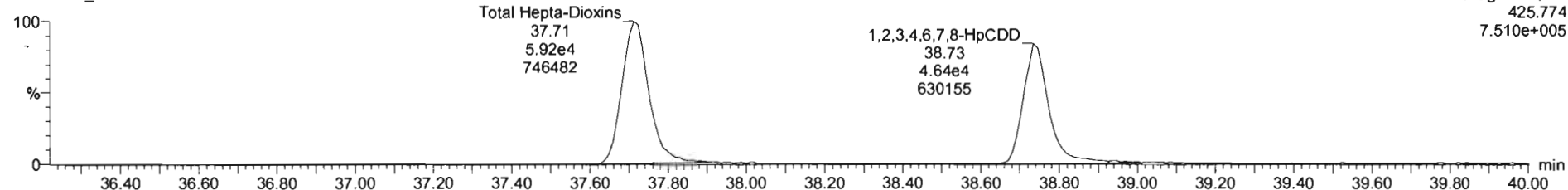
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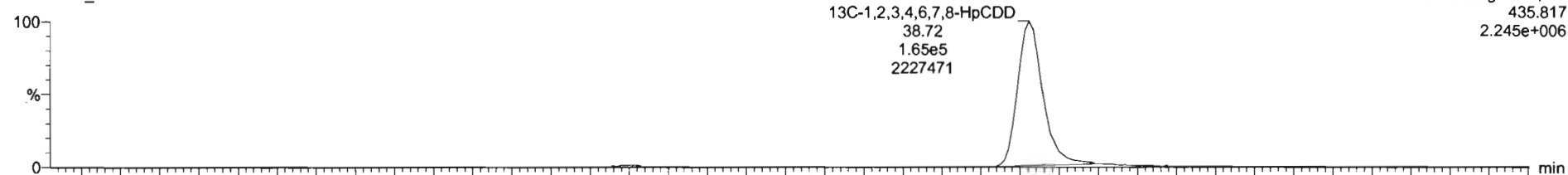


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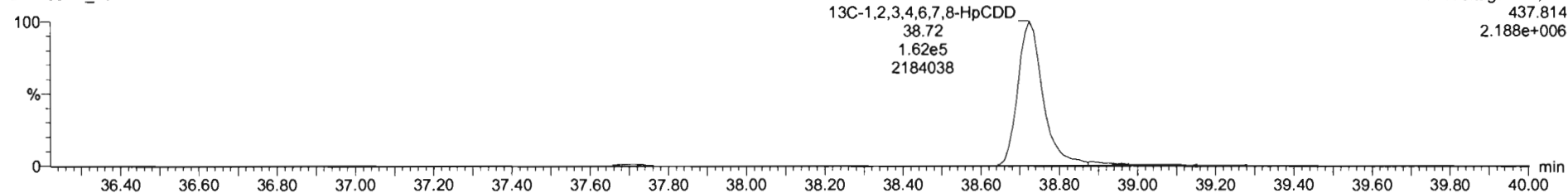


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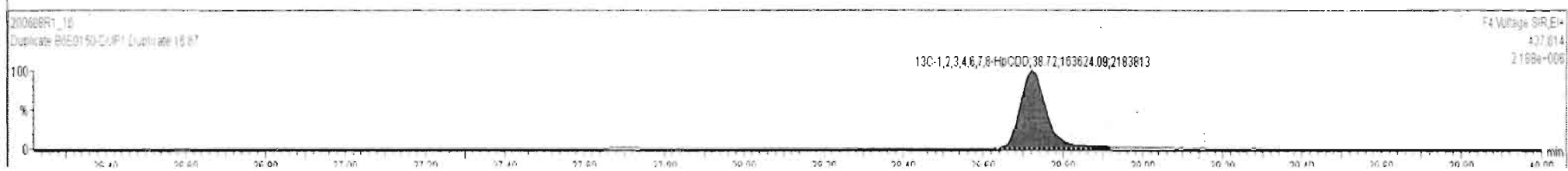
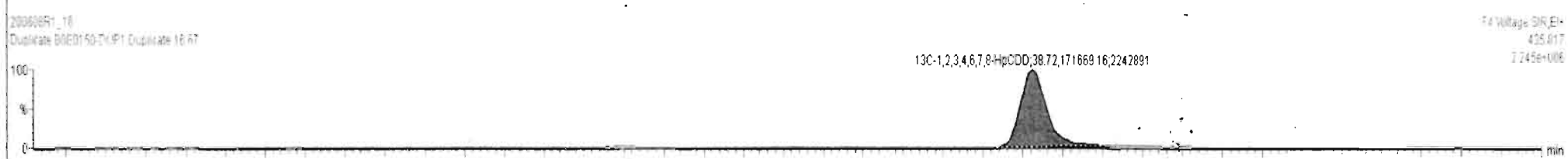
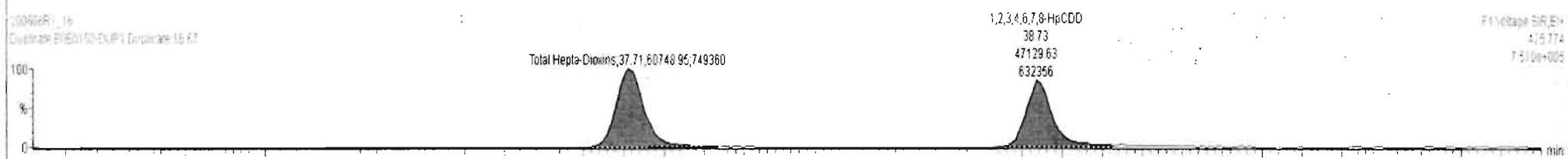
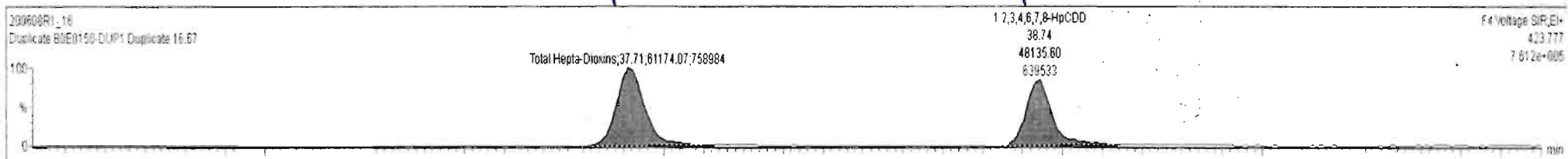


200608R1_16



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8863	16.670			3.36		0.0698	3.81
40 Total Penta-Dioxins				0.9081	16.670			4.62		0.110	4.72
41 Total Hexa-Dioxins				0.8923	16.670			21.1		0.169	21.1
42 Total Hepta-Dioxins				0.8639	16.670			90.0		0.455	90.0
43 Total Tetra-Furens				0.7510	16.670			128		0.128	135

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	6.117e4	6.075e4	1.01	NO	90.500	50.500
2 1,2,3,4,6,7,8-HpCDD	38.74	4.814e4	4.713e4	1.02	NO	39.458	39.458



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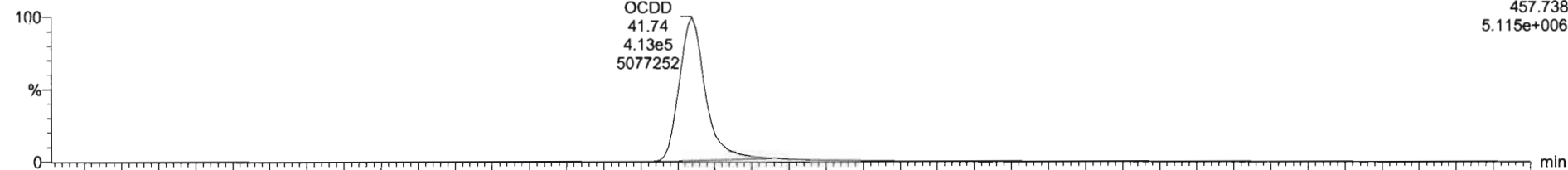
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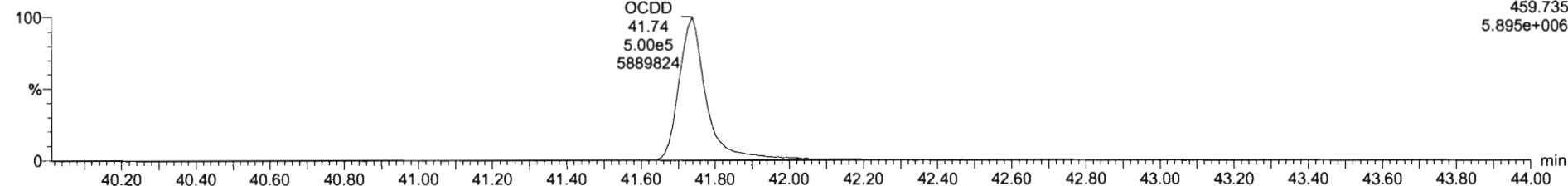
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OCDD

200608R1_16

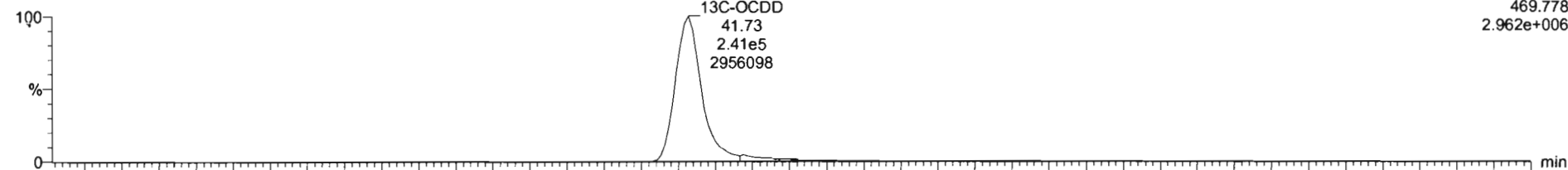


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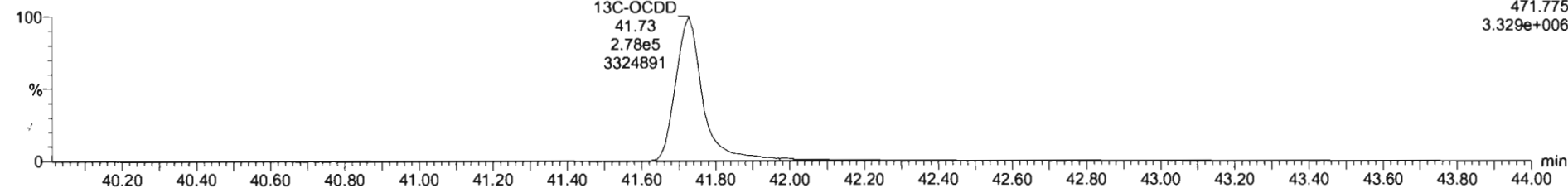


13C-OCDD

200608R1_16



200608R1_16

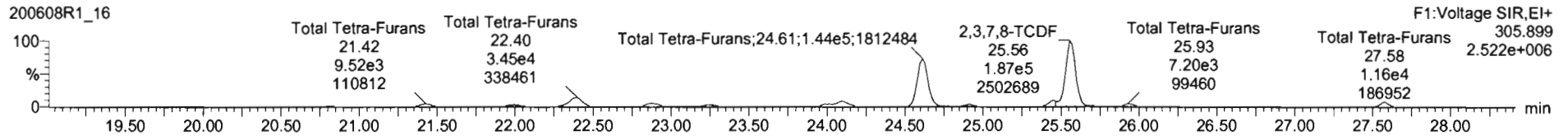
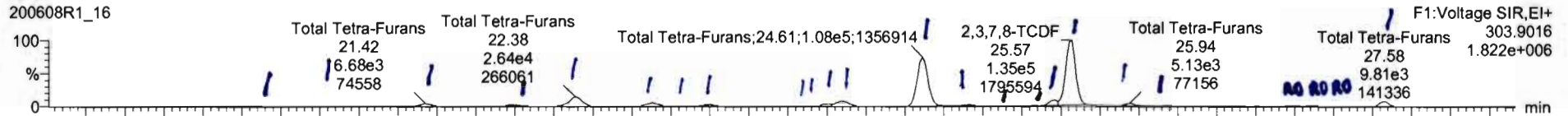


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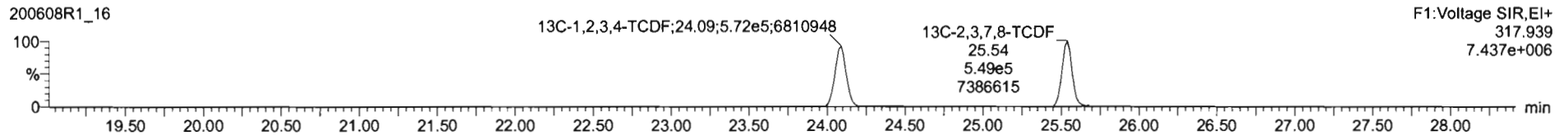
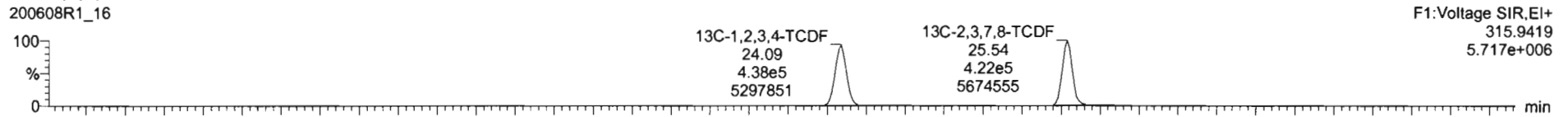
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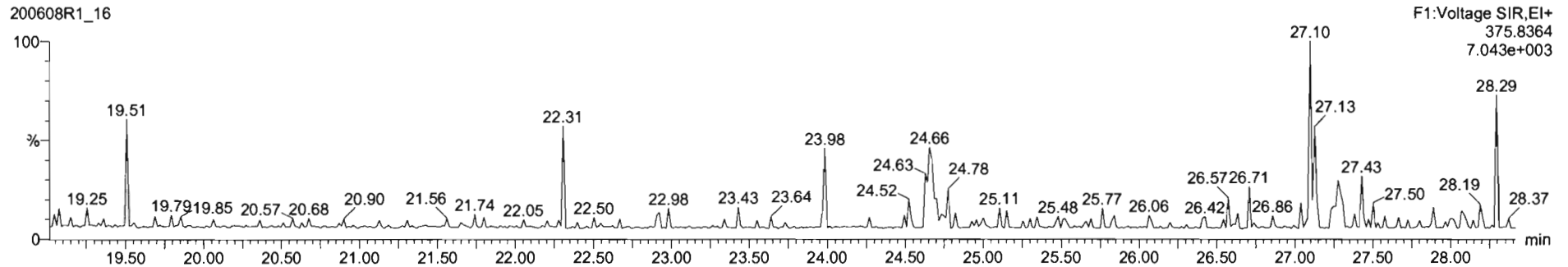
2,3,7,8-TCDF



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

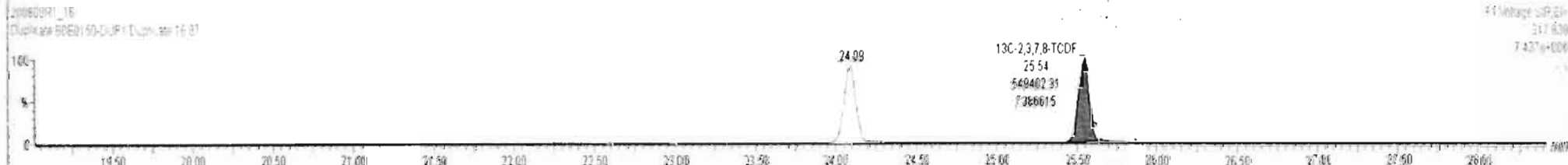
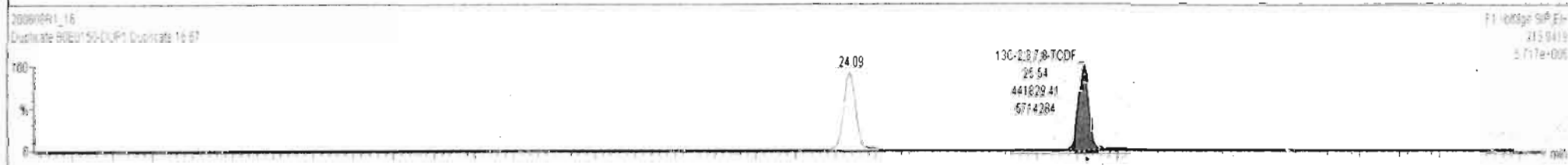
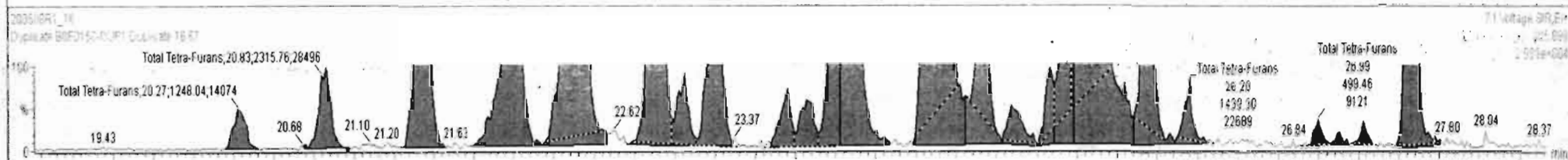
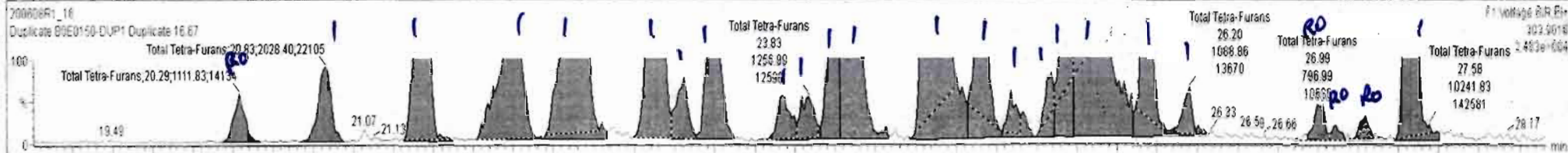


DPE1



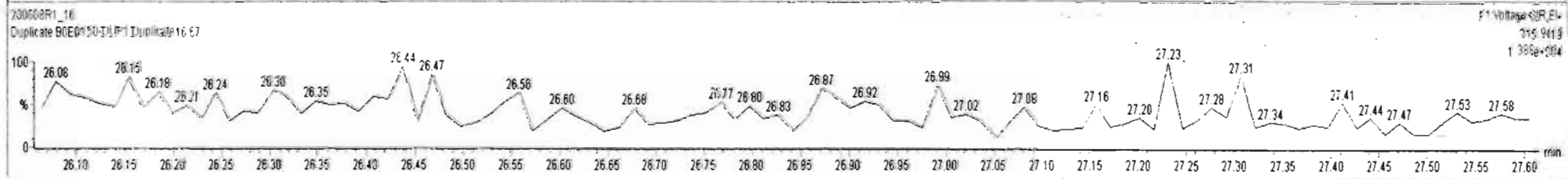
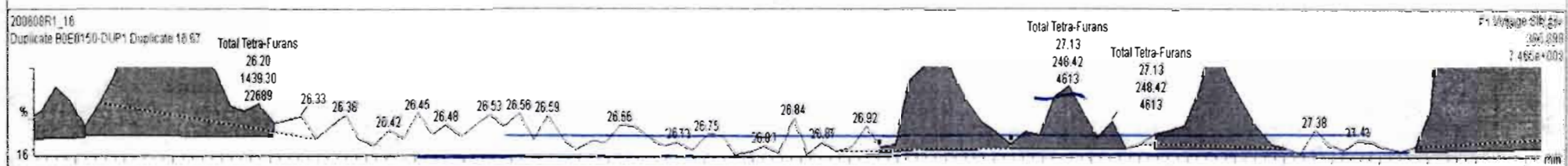
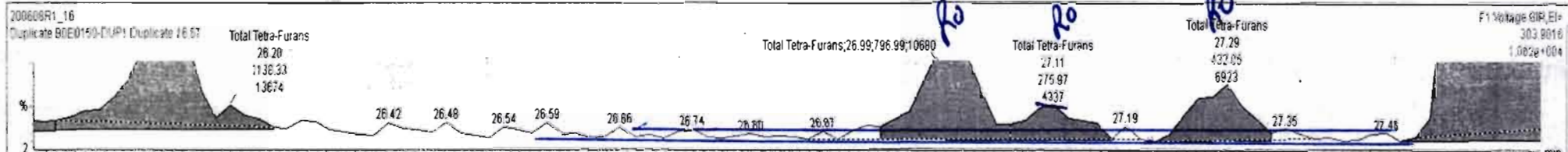
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	16.670			139		0.130	140

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Tetra-Furans	20.29	1.112e3	1.248e3	0.89	YES	0.35604	0.00000
2 Total Tetra-Furans	20.83	2.028e3	2.316e3	0.88	NO	0.70016	0.70016
3 Total Tetra-Furans	21.42	6.834e3	9.517e3	0.72	NO	2.6353	2.6353
4 Total Tetra-Furans	21.98	6.743e3	8.897e3	0.76	NO	2.5207	2.5207
5 Total Tetra-Furans	22.38	2.716e4	3.586e4	0.76	NO	10.124	10.124
6 Total Tetra-Furans	22.88	9.228e3	1.254e4	0.74	NO	3.5082	3.5082
7 Total Tetra-Furans	23.06	1.460e3	1.947e3	0.75	NO	0.54922	0.54922
8 Total Tetra-Furans	23.25	4.620e3	6.779e3	0.71	NO	1.8694	1.8694
9 Total Tetra-Furans	23.67	1.244e3	1.501e3	0.83	NO	0.44254	0.44254
10 Total Tetra-Furans	23.83	1.257e3	1.651e3	0.76	NO	0.46876	0.46876
11 Total Tetra-Furans	24.01	4.848e3	6.702e3	0.72	NO	1.8615	1.8615
12 Total Tetra-Furans	24.09	1.433e4	1.928e4	0.74	NO	5.4170	5.4170
13 Total Tetra-Furans	24.61	1.118e5	1.481e5	0.75	NO	41.885	41.885
14 Total Tetra-Furans	24.91	5.017e3	6.583e3	0.76	NO	1.8696	1.8696
15 Total Tetra-Furans	25.00	1.260e3	1.556e3	0.81	NO	0.45206	0.45206



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	16.670			138		0.128	143

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Tetra-Furans	20.20	1.112e3	1.248e3	0.89	YES	0.36324	0.00000
2 Total Tetra-Furans	20.83	2.028e3	2.316e3	0.88	NO	0.71433	0.71433
3 Total Tetra-Furans	21.42	6.834e3	9.517e3	0.72	NO	2.6887	2.6887
4 Total Tetra-Furans	21.98	6.743e3	8.897e3	0.76	NO	2.5717	2.5717
5 Total Tetra-Furans	22.38	2.716e4	3.566e4	0.76	NO	10.329	10.329
6 Total Tetra-Furans	22.88	9.228e3	1.254e4	0.74	NO	3.5792	3.5792
7 Total Tetra-Furans	23.06	1.460e3	1.947e3	0.75	NO	0.56034	0.56034
8 Total Tetra-Furans	23.25	4.820e3	6.779e3	0.71	NO	1.9072	1.9072
9 Total Tetra-Furans	23.67	1.244e3	1.501e3	0.83	NO	0.45150	0.45150
10 Total Tetra-Furans	23.83	1.257e3	1.651e3	0.76	NO	0.47825	0.47825
11 Total Tetra-Furans	24.01	4.648e3	6.702e3	0.72	NO	1.8892	1.8892
12 Total Tetra-Furans	24.09	1.433e4	1.928e4	0.74	NO	5.5267	5.5267
13 Total Tetra-Furans	24.61	1.116e5	1.481e5	0.75	NO	42.712	42.712
14 Total Tetra-Furans	24.91	5.017e3	6.583e3	0.76	NO	1.9075	1.9075
15 Total Tetra-Furans	25.09	1.249e3	1.555e3	0.80	NO	0.46121	0.46121
16 Total Tetra-Furans	25.35	1.260e3	1.754e3	0.72	NO	0.49567	0.49567
17 Total Tetra-Furans	25.45	1.107e4	1.241e4	0.89	YES	3.6113	0.00000
18 2,3,7,8-TCDF	25.57	1.433e5	1.944e5	0.74	NO	55.526	55.526
19 Total Tetra-Furans	25.94	6.197e3	8.435e3	0.73	NO	2.4059	2.4059
20 Total Tetra-Furans	26.20	1.138e3	1.439e3	0.79	NO	0.42385	0.42385
21 Total Tetra-Furans	26.99	7.970e2	4.995e2	1.60	YES	0.14537	0.00000
22 Total Tetra-Furans	27.11	2.790e2	2.484e2	1.11	YES	0.072303	0.00000
23 Total Tetra-Furans	27.29	4.321e2	4.002e2	1.08	YES	0.11649	0.00000



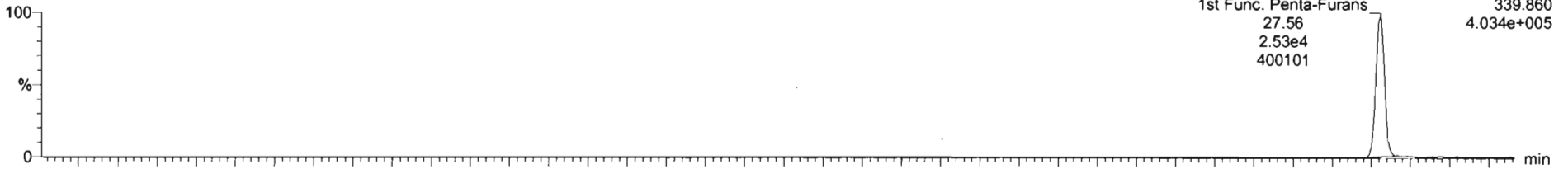
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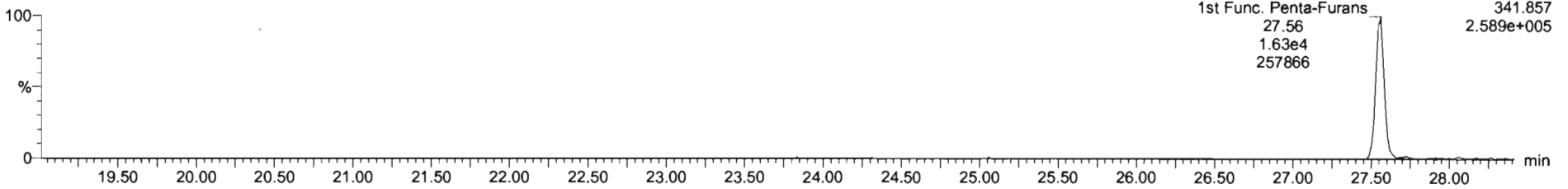
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1st Func. Penta-Furans

200608R1_16

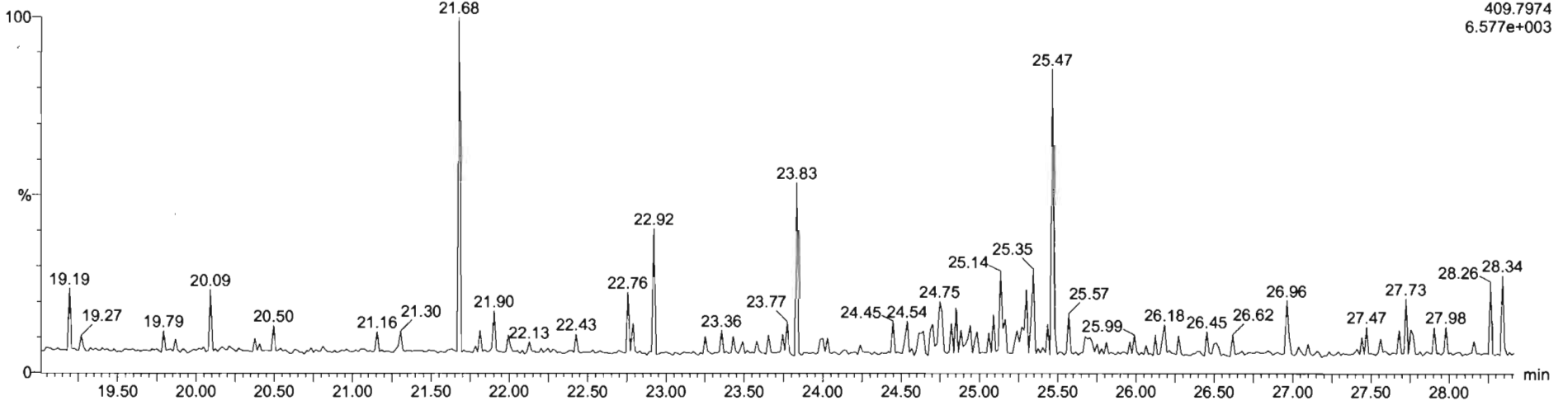


200608R1_16



DPE6

200608R1_16

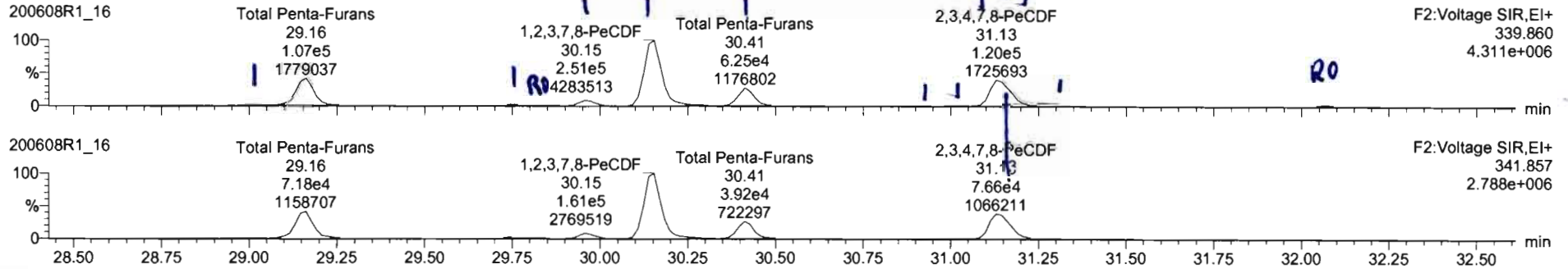


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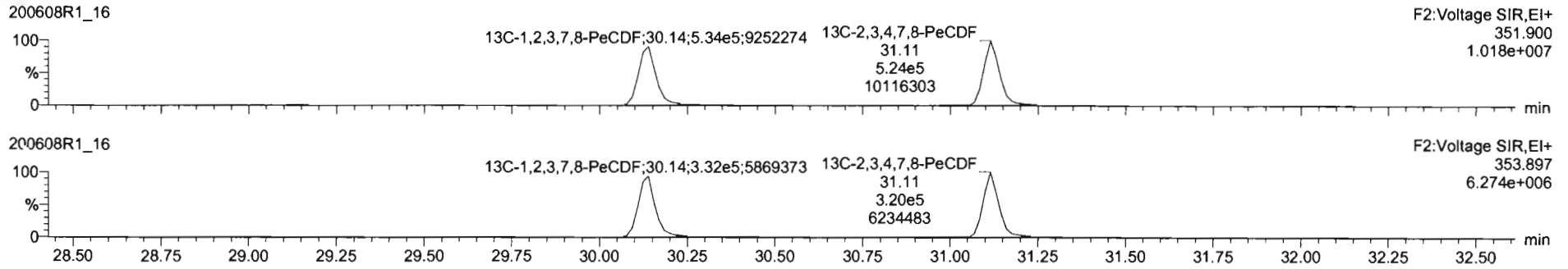
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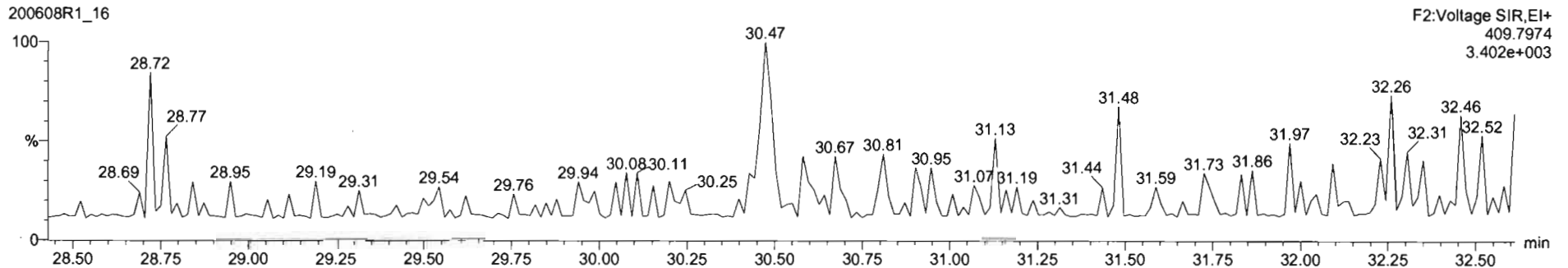
1,2,3,7,8-PeCDF



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

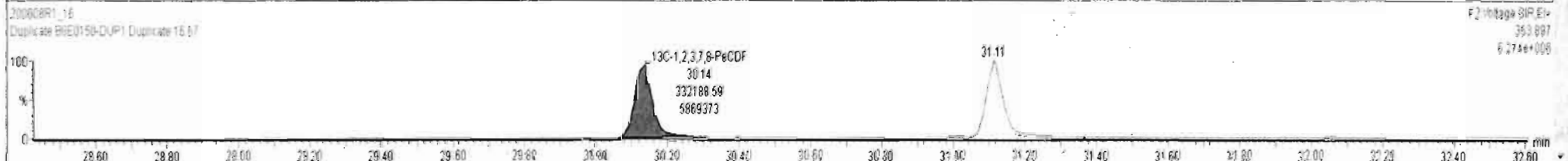
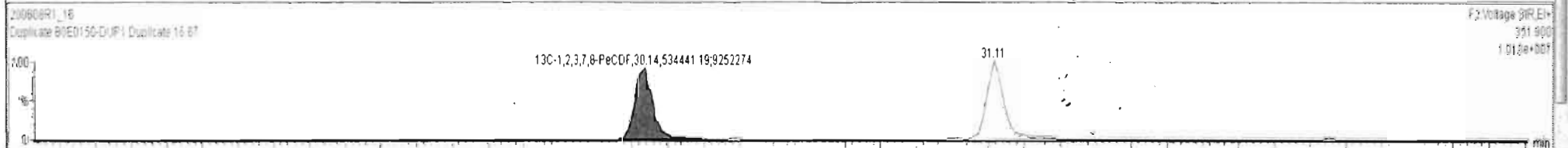
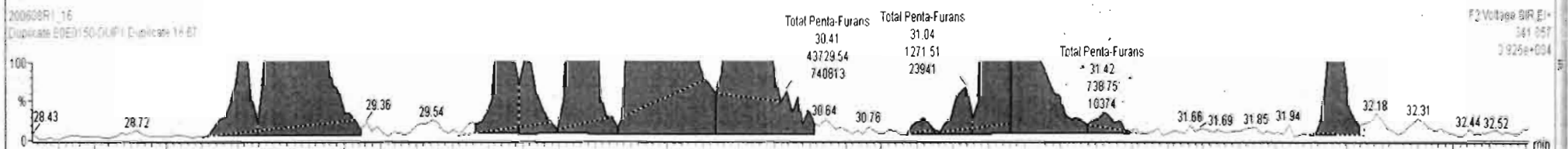
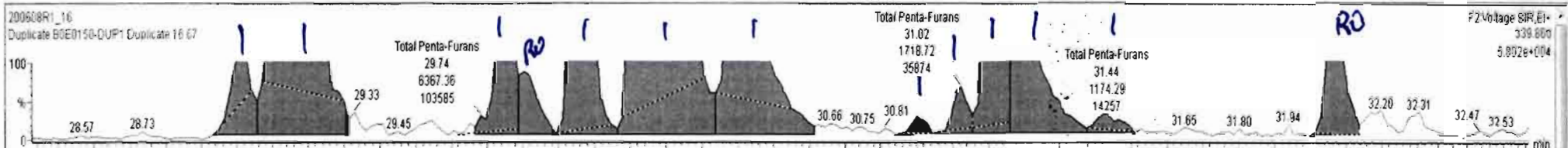


DPE2



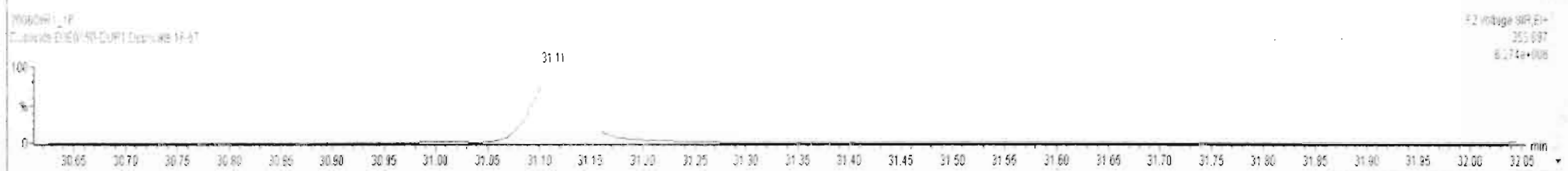
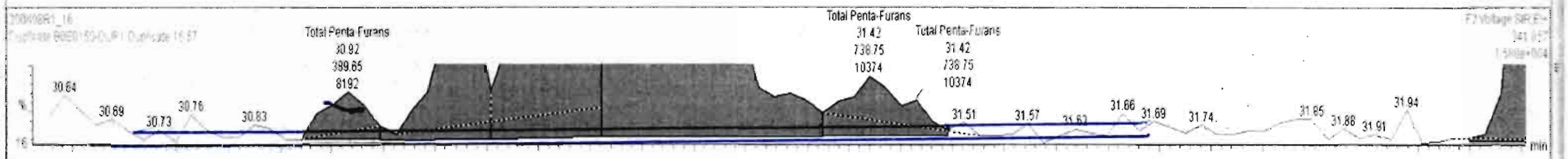
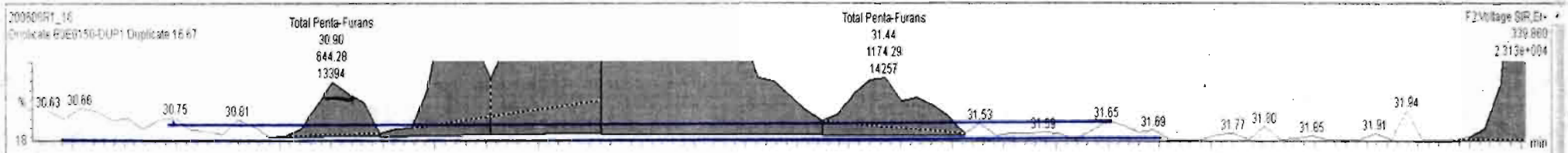
Name	Resp	RA	n/y	R/R	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	16.670			153		0.238	155

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	4.079e3	2.688e3	1.52	NO	1.0638	1.0638
2 Total Penta-Furans	29.16	1.147e5	7.326e4	1.57	NO	29.556	29.556
3 Total Penta-Furans	29.74	6.367e3	4.020e3	1.58	NO	1.6330	1.6330
4 Total Penta-Furans	29.80	2.809e3	2.188e3	1.28	YES	0.72638	0.00000
5 Total Penta-Furans	29.96	2.004e4	1.308e4	1.53	NO	5.2062	5.2062
6 1,2,3,7,8-PeCDF	30.15	2.586e5	1.681e5	1.56	NO	65.666	65.666
7 Total Penta-Furans	30.41	6.853e4	4.373e4	1.57	NO	17.648	17.648
8 Total Penta-Furans	30.90	5.443e2	3.896e2	1.65	NO	0.16254	0.16254
9 Total Penta-Furans	31.02	1.719e3	1.272e3	1.35	NO	0.47008	0.47008
10 2,3,4,7,8-PeCDF	31.13	6.667e4	5.587e4	1.55	NO	21.688	21.688
11 Total Penta-Furans	31.16	3.618e4	2.257e4	1.60	NO	9.2361	9.2361
12 Total Penta-Furans	31.44	1.174e3	7.389e2	1.59	NO	0.30074	0.30074
13 Total Penta-Furans	32.08	5.914e3	3.291e3	1.80	YES	1.3193	0.00000



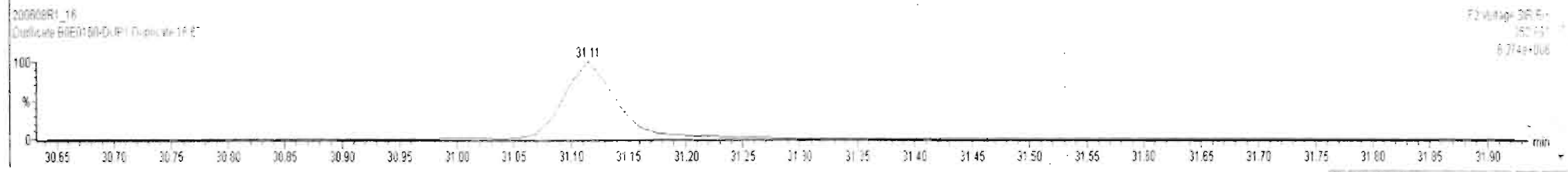
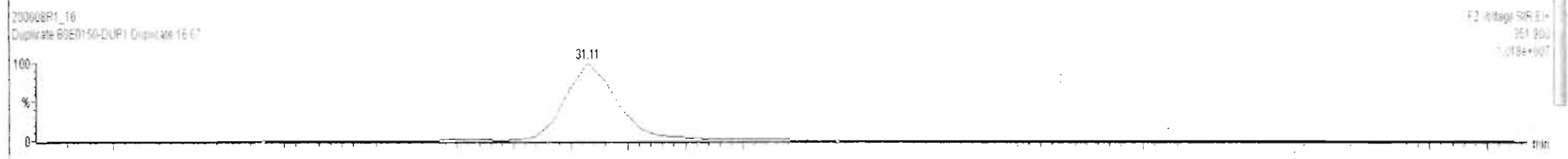
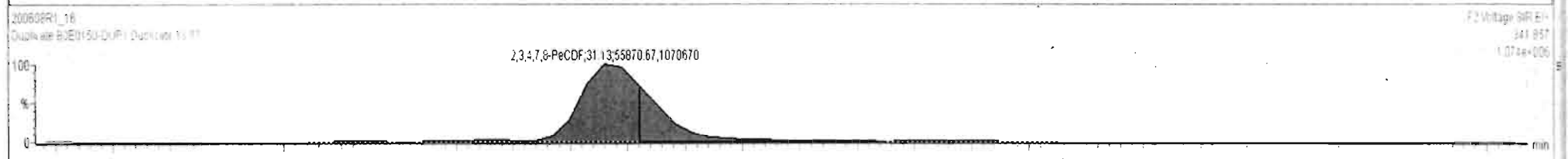
Name	Resp	RA	nLy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	16.670			154		0.238	155

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Penta-Furans	29.01	4.003e3	2.554e3	1.57	NO	1.0308	1.0308
2 Total Penta-Furans	29.16	1.147e5	7.326e4	1.57	NO	29.566	29.556
3 Total Penta-Furans	29.74	8.853e3	6.139e3	1.44	NO	2.3569	2.3569
4 Total Penta-Furans	29.96	2.004e4	1.309e4	1.53	NO	5.2052	5.2052
5 1,2,3,7,8-PeCDF	30.15	2.588e5	1.661e5	1.56	NO	65.866	65.866
6 Total Penta-Furans	30.41	6.853e4	4.373e4	1.57	NO	17.646	17.646
7 Total Penta-Furans	30.90	6.443e2	3.896e2	1.65	NO	0.16254	0.16254
8 Total Penta-Furans	31.02	1.719e3	1.280e3	1.34	NO	0.47136	0.47136
9 2,3,4,7,8-PeCDF	31.13	8.667e4	5.587e4	1.55	NO	21.688	21.688
10 Total Penta-Furans	31.16	3.616e4	2.257e4	1.60	NO	9.2361	9.2361
11 Total Penta-Furans	31.44	1.174e3	7.388e2	1.59	NO	0.30074	0.30074
12 Total Penta-Furans	32.08	5.914e3	3.291e3	1.80	YES	1.3193	0.00000



Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	16.670			154		0.238	155

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	4.003e3	2.554e3	1.57	NO	1.0308	1.0308
2 Total Penta-Furans	29.16	1.147e5	7.326e4	1.57	NO	29.556	29.556
3 Total Penta-Furans	29.74	6.853e3	6.139e3	1.44	NO	2.3569	2.3569
4 Total Penta-Furans	29.96	2.004e4	1.309e4	1.53	NO	5.2062	5.2062
5 1,2,3,7,8-PeCDF	30.15	2.588e5	1.661e5	1.56	NO	65.866	65.866
6 Total Penta-Furans	30.41	6.853e4	4.373e4	1.57	NO	17.646	17.646
7 Total Penta-Furans	30.90	6.443e2	3.696e2	1.65	NO	0.16254	0.16254
8 Total Penta-Furans	31.02	1.719e3	1.260e3	1.34	NO	0.47136	0.47136
9 2,3,4,7,8-PeCDF	31.13	6.667e4	5.587e4	1.55	NO	21.688	21.688
10 Total Penta-Furans	31.16	3.616e4	2.257e4	1.60	NO	9.2361	9.2361
11 Total Penta-Furans	31.44	1.174e3	7.386e2	1.59	NO	0.30074	0.30074
12 Total Penta-Furans	32.08	5.914e3	3.291e3	1.80	YES	1.3193	0.00000

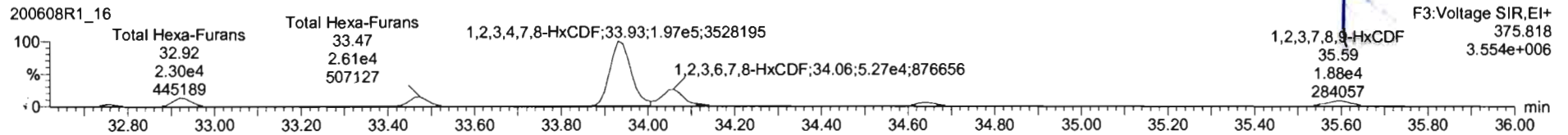
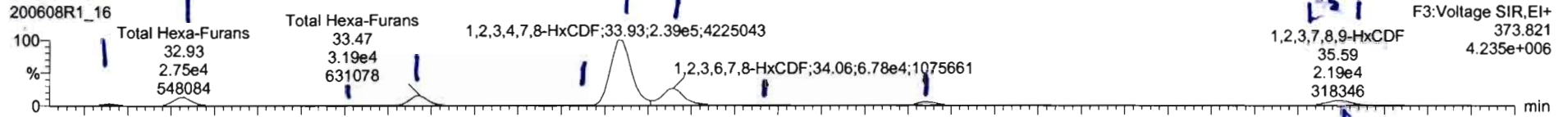


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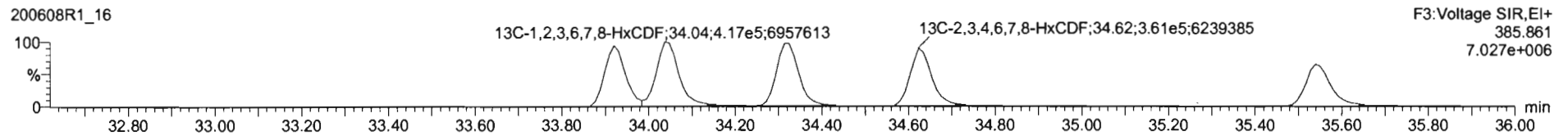
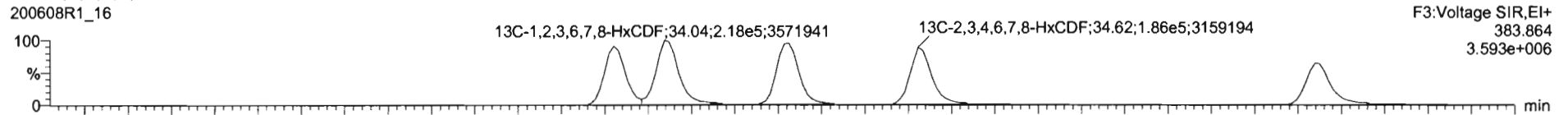
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate

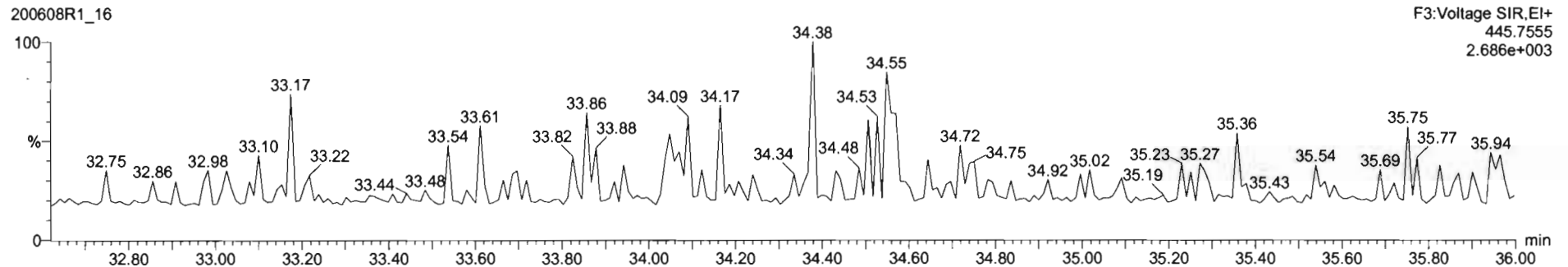
1,2,3,4,7,8-HxCDF



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

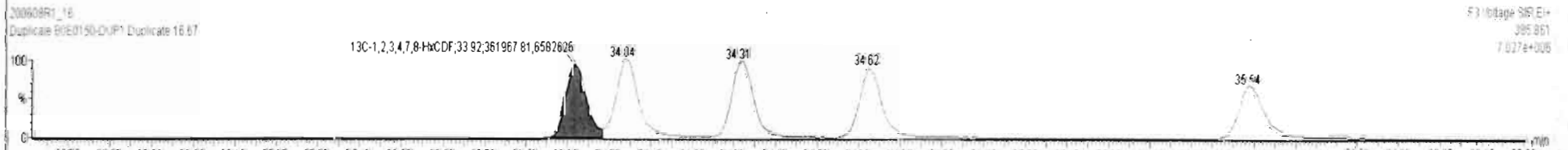
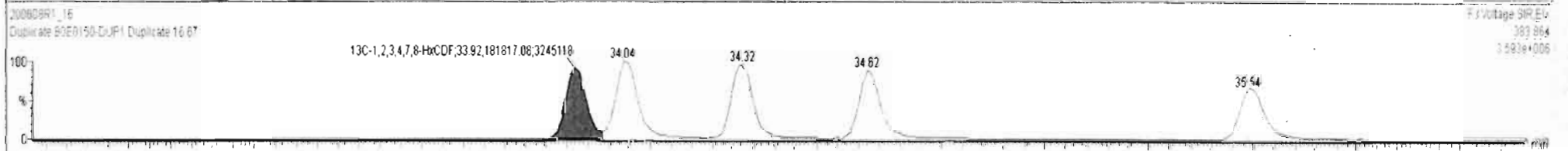
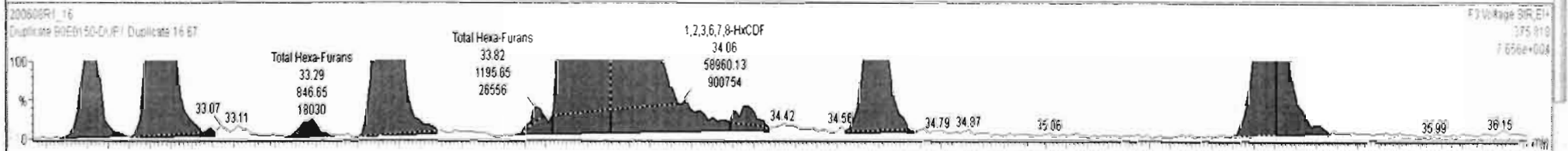
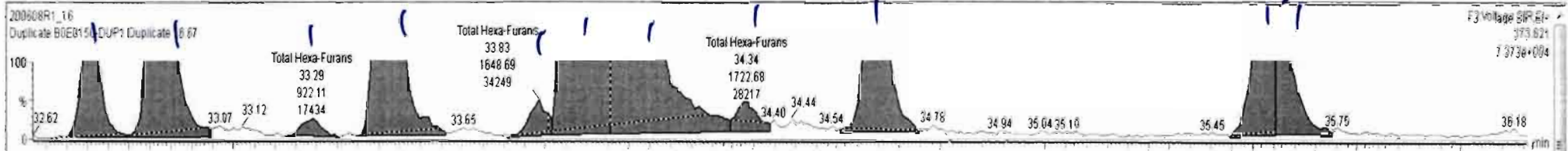


DPE3



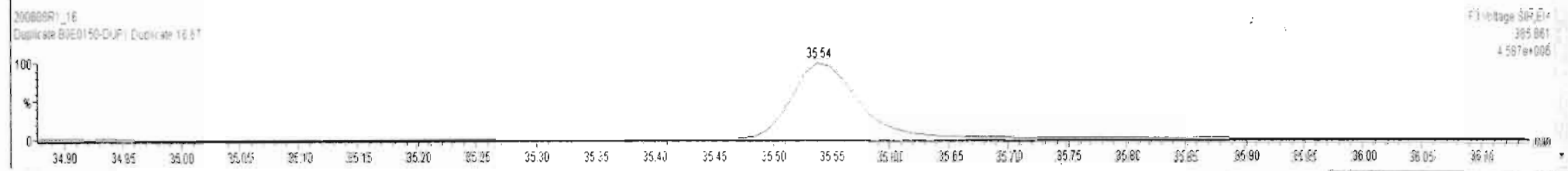
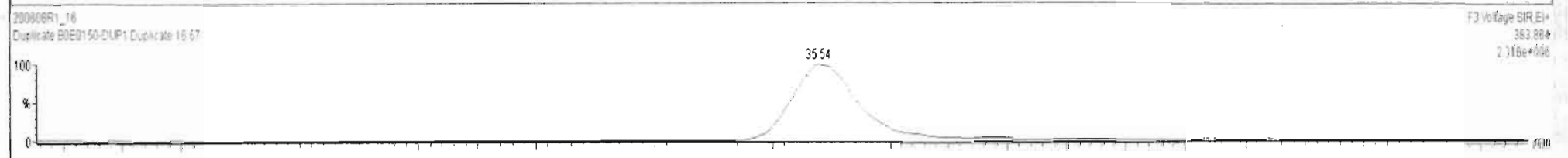
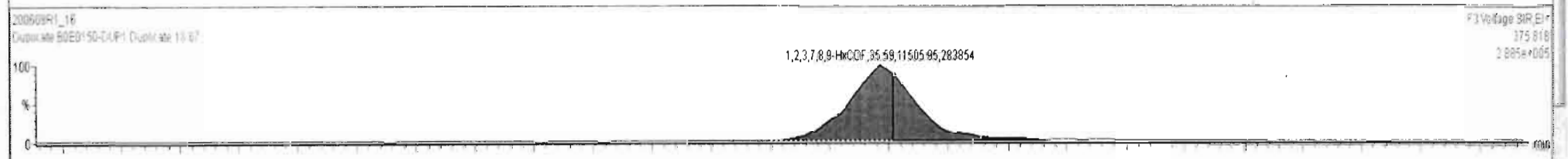
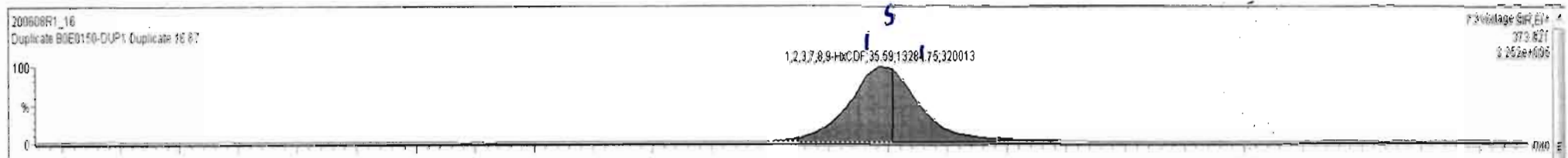
Name	Resp	RA	n/y	RFF	wtAvol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	16.670			153		0.238	155

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	5.911e3	4.871e3	1.21	NO	2.5372	2.5372
2 Total Hexa-Furans	32.93	2.859e4	2.356e4	1.21	NO	12.273	12.273
3 Total Hexa-Furans	33.29	9.221e2	8.466e2	1.09	NO	0.41623	0.41623
4 Total Hexa-Furans	33.47	3.275e4	2.639e4	1.24	NO	13.915	13.915
5 Total Hexa-Furans	33.83	1.649e3	1.196e3	1.38	NO	0.66933	0.66933
6 1,2,3,4,7,8-HxCDF	33.93	2.397e5	1.938e5	1.20	NO	109.64	109.64
7 1,2,3,6,7,8-HxCDF	34.06	7.158e4	5.896e4	1.21	NO	27.748	27.748
8 Total Hexa-Furans	34.34	1.723e3	1.537e3	1.12	NO	0.76709	0.76709
9 2,3,4,6,7,8-HxCDF	34.64	1.255e4	1.045e4	1.20	NO	5.4017	5.4017
10 1,2,3,7,8-HxCDF	35.59	1.340e4	1.151e4	1.16	NO	7.4971	7.4971
11 Total Hexa-Furans	35.60	9.353e3	7.306e3	1.28	NO	3.9203	3.9203



Name	Resp	RA	nly	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	16.670			153		0.238	155

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.76	5.804e3	4.871e3	1.19	NO	2.5121	2.5121
2 Total Hexa-Furans	32.93	2.751e4	2.303e4	1.19	NO	11.895	11.895
3 Total Hexa-Furans	33.29	9.221e2	8.466e2	1.09	NO	0.41623	0.41623
4 Total Hexa-Furans	33.47	3.192e4	2.609e4	1.22	NO	13.651	13.651
5 Total Hexa-Furans	33.83	1.229e3	3.348e2	3.67	YES	0.17647	0.00000
6 1,2,3,4,7,8-HxCDF	33.93	2.390e5	1.970e5	1.21	NO	108.77	108.77
7 1,2,3,6,7,8-HxCDF	34.06	6.781e4	5.269e4	1.29	NO	25.614	25.614
8 Total Hexa-Furans	34.33	8.283e2	9.716e2	0.85	YES	0.35209	0.00000
9 2,3,4,6,7,8-HxCDF	34.64	1.204e4	1.006e4	1.20	NO	5.1898	5.1898
10 1,2,3,7,8,9-HxCDF	35.59	1.328e4	1.151e4	1.15	NO	7.4625	7.4625
11 Total Hexa-Furans	35.60	9.048e3	7.306e3	1.24	NO	3.8486	3.8486



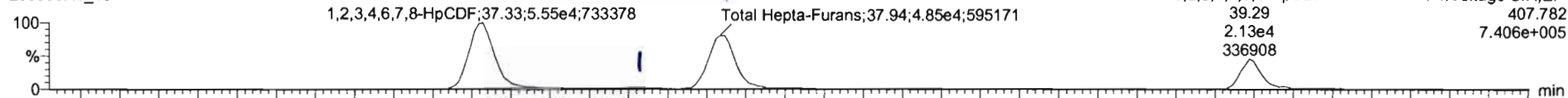
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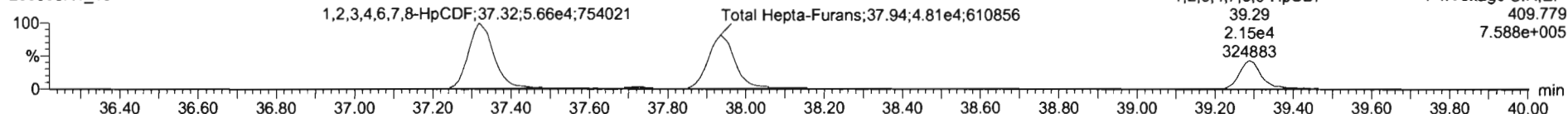
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1,2,3,4,6,7,8-HpCDF

200608R1_16

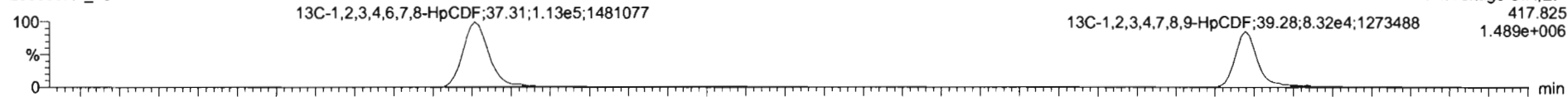


200608R1_16

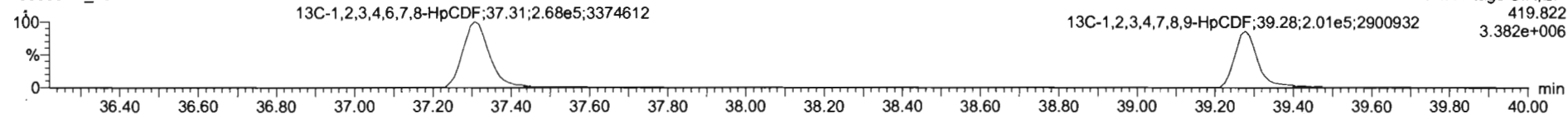


13C-1,2,3,4,6,7,8-HpCDF

200608R1_16

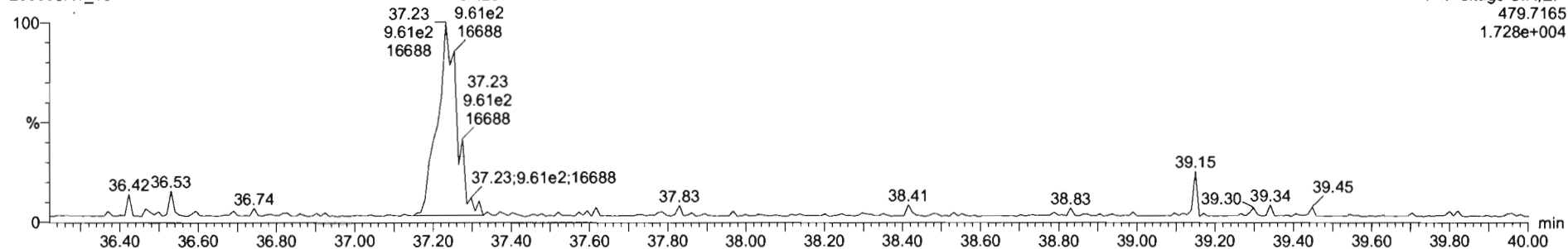


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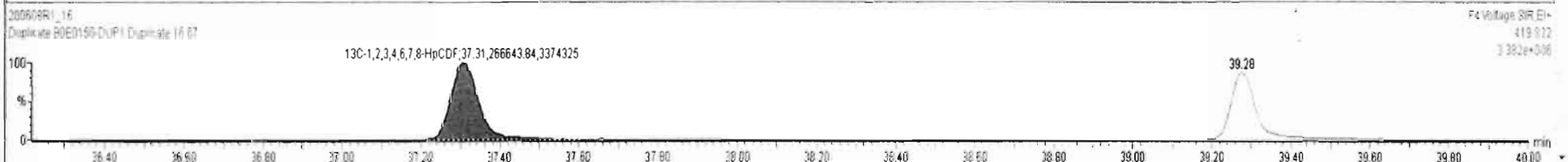
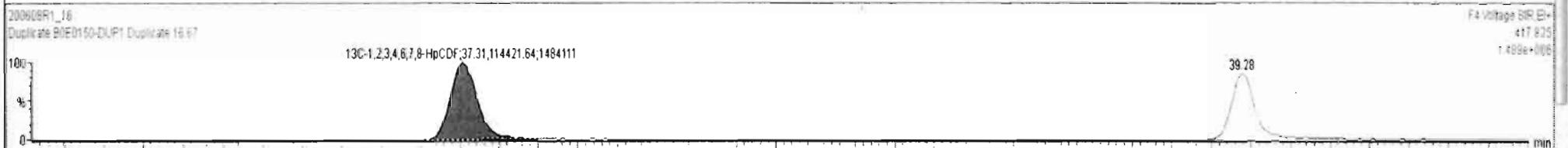
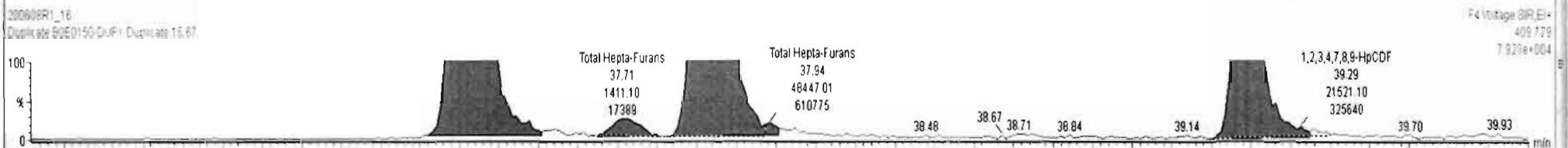
DPE4

200608R1_16



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	16.670			165		0.303	185

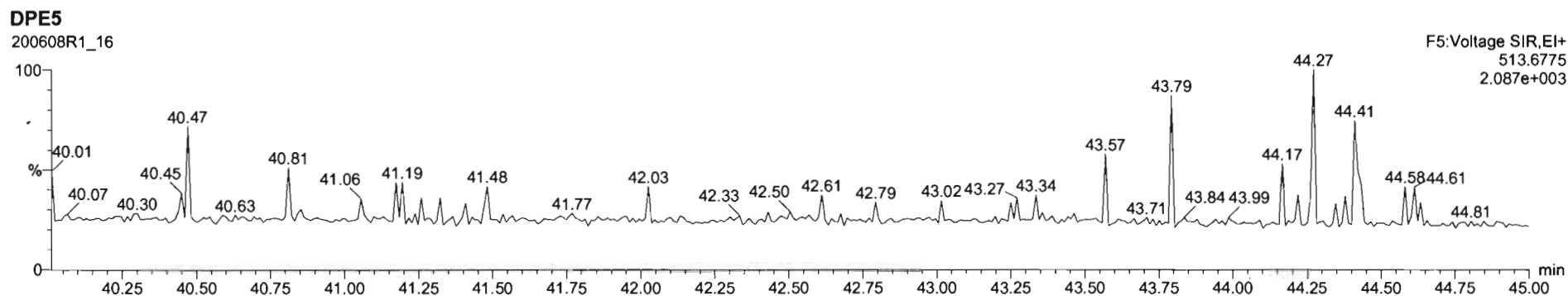
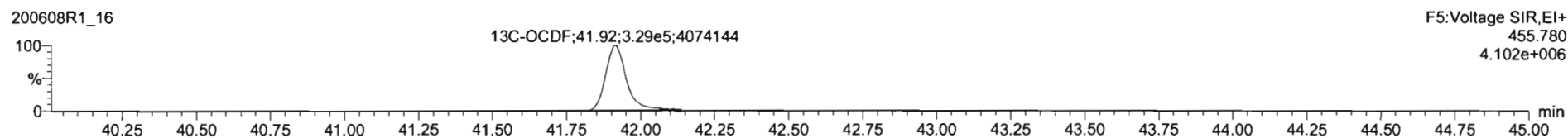
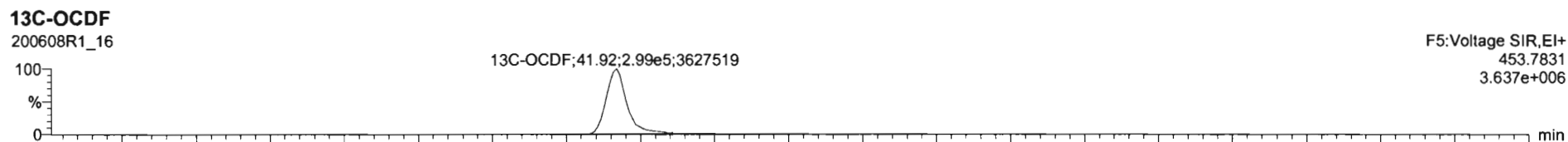
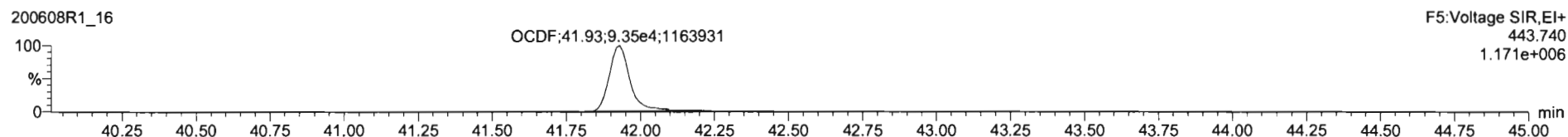
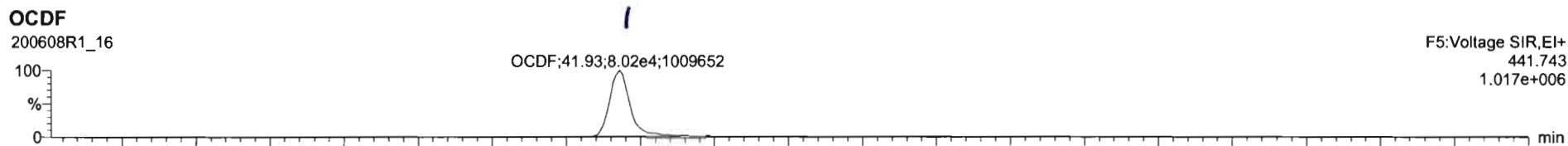
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	5.675e4	5.664e4	1.00	NO	40.875	40.875
2 Total Hepta-Furans	37.72	1.261e3	1.411e3	0.89	NO	1.1029	1.1029
3 Total Hepta-Furans	37.94	4.828e4	4.845e4	1.00	NO	39.921	39.921
4 1,2,3,4,7,8,9-HpCDF	39.29	2.136e4	2.152e4	0.99	NO	17.846	17.846



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:22:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate



Dataset: Untitled

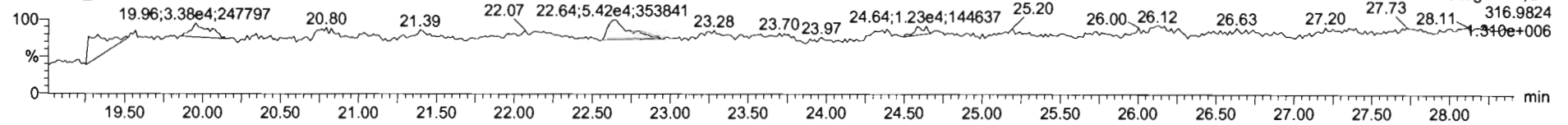
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Printed: Tuesday, June 09, 2020 07:23:34 Pacific Daylight Time

Name: 200608R1_16, Date: 08-Jun-2020, Time: 23:17:55, ID: B0E0150-DUP1 Duplicate 16.67, Description: Duplicate

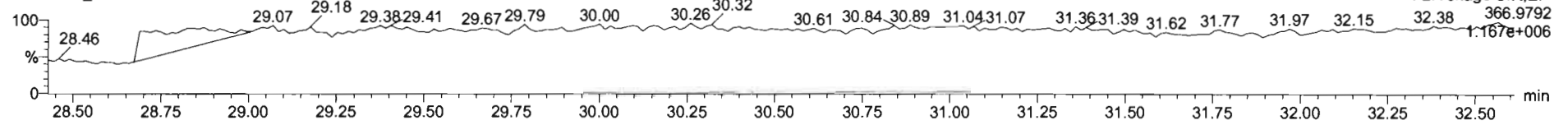
PFK1

200608R1_16



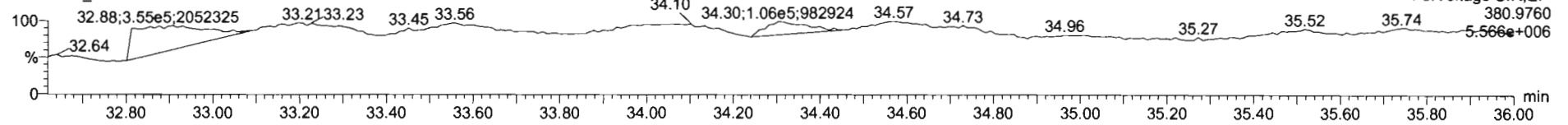
PFK2

200608R1_16



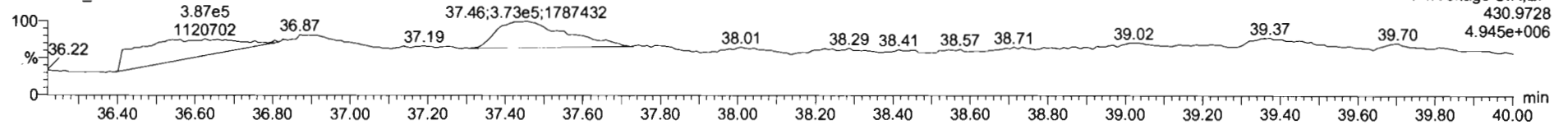
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200608R1_16



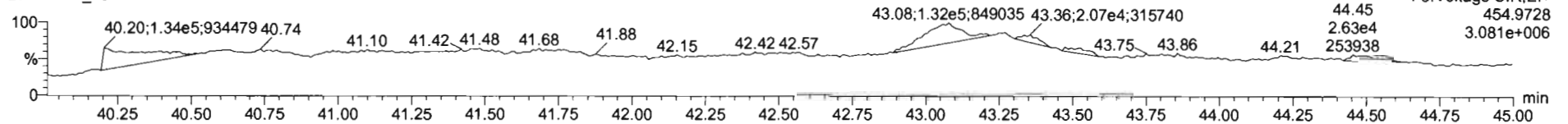
PFK4

200608R1_16



PFK5

200608R1_16



Dataset: U:\VG12.PRO\Results\200608R2\200608R2-4b.qld

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Printed: Friday, June 12, 2020 2:06:21 PM Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

#	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	2.09e3	0.62	YES	0.888	10.000	26.486	26.48	1.001	1.001	0.68539		0.131	0.605
2	2 1,2,3,7,8-PeCDD	1.76e3	0.63	NO	0.908	10.000	31.457	31.45	1.001	1.000	0.72866		0.154	0.729
3	3 1,2,3,4,7,8-HxCDD	1.28e3	1.42	NO	1.03	10.000	34.814	34.83	1.000	1.001	0.66521		0.282	0.665
4	4 1,2,3,6,7,8-HxCDD	7.10e3	1.19	NO	0.892	10.000	34.910	34.93	1.000	1.001	3.3041		0.266	3.30
5	5 1,2,3,7,8,9-HxCDD	3.40e3	1.25	NO	0.887	10.000	35.209	35.21	1.000	1.000	1.8132		0.324	1.81
6	6 1,2,3,4,6,7,8-HpCDD	1.13e5	1.03	NO	0.864	10.000	38.746	38.74	1.000	1.000	79.995		0.768	80.0
7	7 OCDD	1.31e6	0.92	NO	0.914	10.000	41.716	41.74	1.000	1.001	1058.3		0.965	1060
8	8 2,3,7,8-TCDF	4.41e5	0.75	NO	0.751	10.000	25.582	25.57	1.001	1.001	132.05 (116.38)		0.238	133
9	9 1,2,3,7,8-PeCDF	5.83e5	1.53	NO	0.893	10.000	30.159	30.15	1.001	1.001	155.64		0.353	156
10	10 2,3,4,7,8-PeCDF	2.51e5	1.54	NO	0.935	10.000	31.149	31.15	1.001	1.000	65.887		0.314	65.9
11	11 1,2,3,4,7,8-HxCDF	4.55e5	1.20	NO	0.884	10.000	33.931	33.94	1.000	1.000	190.26		0.460	190
12	12 1,2,3,6,7,8-HxCDF	1.50e5	1.22	NO	0.889	10.000	34.058	34.07	1.000	1.001	53.159		0.413	53.2
13	13 2,3,4,6,7,8-HxCDF	3.09e4	1.20	NO	0.934	10.000	34.669	34.65	1.001	1.001	12.163		0.461	12.2
14	14 1,2,3,7,8,9-HxCDF	2.52e4	1.16	NO	0.871	10.000	35.549	35.60	1.000	1.002	13.225		0.743	13.2
15	15 1,2,3,4,6,7,8-HpCDF	1.39e5	1.01	NO	0.873	10.000	37.365	37.34	1.001	1.000	83.336		0.634	83.3
16	16 1,2,3,4,7,8,9-HpCDF	3.64e4	1.01	NO	1.01	10.000	39.288	39.30	1.000	1.000	28.175		0.757	28.2
17	17 OCDF	1.83e5	0.86	NO	0.806	10.000	41.908	41.93	1.000	1.001	139.55		0.439	140
18	18 13C-2,3,7,8-TCDD	6.85e5	0.78	NO	1.16	10.000	26.476	26.45	1.026	1.026	172.27	86.1	0.246	
19	19 13C-1,2,3,7,8-PeCDD	5.31e5	0.63	NO	0.849	10.000	31.656	31.43	1.227	1.219	182.08	91.0	0.474	
20	20 13C-1,2,3,4,7,8-HxCDD	3.72e5	1.28	NO	0.779	10.000	34.809	34.80	1.014	1.014	158.67	79.3	0.768	
21	21 13C-1,2,3,6,7,8-HxCDD	4.82e5	1.28	NO	1.02	10.000	34.922	34.91	1.017	1.017	157.38	78.7	0.588	
22	22 13C-1,2,3,7,8,9-HxCDD	4.23e5	1.23	NO	0.903	10.000	35.193	35.20	1.025	1.025	155.52	77.8	0.663	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.27e5	1.07	NO	0.689	10.000	38.715	38.73	1.128	1.128	157.79	78.9	0.599	
24	24 13C-OCDD	5.42e5	0.90	NO	0.652	10.000	41.736	41.72	1.216	1.215	275.93	69.0	0.684	
25	25 13C-2,3,7,8-TCDF	8.82e5	0.79	NO	1.06	10.000	25.519	25.56	0.989	0.991	157.65	78.8	0.332	
26	26 13C-1,2,3,7,8-PeCDF	8.40e5	1.60	NO	0.838	10.000	30.041	30.14	1.165	1.168	189.76	94.9	0.516	
27	27 13C-2,3,4,7,8-PeCDF	8.13e5	1.61	NO	0.817	10.000	30.993	31.13	1.202	1.207	188.57	94.3	0.530	
28	28 13C-1,2,3,4,7,8-HxCDF	5.40e5	0.50	NO	1.01	10.000	33.941	33.93	0.989	0.989	178.11	89.1	0.565	
29	29 13C-1,2,3,6,7,8-HxCDF	6.36e5	0.52	NO	1.17	10.000	34.064	34.05	0.992	0.992	181.08	90.5	0.488	
30	30 13C-2,3,4,6,7,8-HxCDF	5.43e5	0.51	NO	1.02	10.000	34.637	34.63	1.009	1.009	176.59	88.3	0.557	

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-4b.qld

Last Altered: Friday, June 12, 2020 1:59:36 PM Pacific Daylight Time

Printed: Friday, June 12, 2020 2:06:21 PM Pacific Daylight Time

Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.37e5	0.53	NO	0.860	10.000	35.537	35.55	1.035	1.036	168.86	84.4	0.663	
32	13C-1,2,3,4,6,7,8-HpCDF	3.81e5	0.42	NO	0.774	10.000	37.284	37.33	1.086	1.087	163.55	81.8	0.556	
33	13C-1,2,3,4,7,8,9-HpCDF	2.55e5	0.41	NO	0.521	10.000	39.312	39.29	1.145	1.145	162.82	81.4	0.827	
34	13C-OCDF	6.52e5	0.88	NO	0.746	10.000	41.907	41.91	1.221	1.221	290.36	72.6	0.620	
35	37Cl-2,3,7,8-TCDD	2.75e5			1.04	10.000	26.507	26.47	1.028	1.026	77.269	96.6	0.310	
36	13C-1,2,3,4-TCDD	6.88e5	0.79	NO	1.00	10.000	25.890	25.80	1.000	1.000	199.99 ✓	100	0.284	
37	13C-1,2,3,4-TCDF	1.06e6	0.79	NO	1.00	10.000	24.360	24.10	1.000	1.000	199.99	100	0.352	
38	13C-1,2,3,4,6,9-HxCDF	6.02e5	0.51	NO	1.00	10.000	34.420	34.33	1.000	1.000	199.99	100	0.569	
39	Total Tetra-Dioxins				0.888	10.000	24.620		0.000		7.7199		0.131	8.48
40	Total Penta-Dioxins				0.908	10.000	29.960		0.000		7.0745		0.154	8.83
41	Total Hexa-Dioxins				0.892	10.000	33.635		0.000		33.612		0.302	33.6
42	Total Hepta-Dioxins				0.864	10.000	37.640		0.000		190.59		0.768	191
43	Total Tetra-Furans				0.751	10.000	23.610		0.000		367.14		0.238	381
44	1st Func. Penta-Furans				0.893	10.000	27.580		0.000		23.743		0.0414	23.7
45	Total Penta-Furans				0.893	10.000	29.275		0.000		412.56		0.341	413
46	Total Hexa-Furans				0.934	10.000	33.555		0.000		361.44		0.482	361
47	Total Hepta-Furans				0.873	10.000	37.835		0.000		223.90		0.732	224

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-4b.qld

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Printed: Friday, June 12, 2020 2:06:21 PM Pacific Daylight Time

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

Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.43	5.546e4	7.332e4	4.917e3	6.285e3	0.78	NO	1.120e4	3.6821	3.6821	0.131
2	Total Tetra-Dioxins	22.88	1.263e4	1.697e4	1.329e3	1.672e3	0.80	NO	3.001e3	0.98641	0.98641	0.131
3	Total Tetra-Dioxins	23.39	7.125e3	1.111e4	5.491e2	7.339e2	0.75	NO	1.283e3	0.42173	0.42173	0.131
4	Total Tetra-Dioxins	24.30	6.638e3	1.187e4	5.684e2	7.810e2	0.73	NO	1.349e3	0.44354	0.44354	0.131
5	Total Tetra-Dioxins	24.51	9.114e3	1.026e4	6.900e2	9.151e2	0.75	NO	1.605e3	0.52759	0.52759	0.131
6	Total Tetra-Dioxins	24.76	7.638e3	1.200e4	7.387e2	9.969e2	0.74	NO	1.736e3	0.57050	0.57050	0.131
7	Total Tetra-Dioxins	24.97	3.918e3	4.220e3	2.348e2	2.645e2	0.89	YES	0.000e0	0.00000	0.15389	0.131
8	Total Tetra-Dioxins	25.20	4.481e3	5.901e3	2.997e2	3.756e2	0.80	NO	6.754e2	0.22200	0.22200	0.131
9	Total Tetra-Dioxins	25.39	5.718e3	8.109e3	3.619e2	5.172e2	0.70	NO	8.791e2	0.28896	0.28896	0.131
10	Total Tetra-Dioxins	26.21	8.231e3	1.423e4	7.845e2	9.709e2	0.81	NO	1.755e3	0.57699	0.57699	0.131
11	2,3,7,8-TCDD	26.48	1.273e4	2.189e4	8.002e2	1.285e3	0.62	YES	2.085e3	0.00000	0.60460	0.131

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	3.413e4	4.997e4	2.420e3	3.805e3	0.64	NO	6.225e3	2.5795	2.5795	0.154
2	Total Penta-Dioxins	29.70	1.056e4	2.435e4	6.184e2	1.179e3	0.52	YES	0.000e0	0.00000	0.66298	0.154
3	Total Penta-Dioxins	30.20	2.744e4	4.062e4	1.728e3	2.446e3	0.71	NO	4.174e3	1.7295	1.7295	0.154
4	Total Penta-Dioxins	30.37	1.164e4	2.183e4	6.468e2	1.272e3	0.51	YES	0.000e0	0.00000	0.69340	0.154
5	Total Penta-Dioxins	30.44	9.726e3	1.740e4	5.863e2	8.543e2	0.69	NO	1.441e3	0.59696	0.59696	0.154
6	Total Penta-Dioxins	30.69	1.333e4	2.005e4	1.049e3	1.697e3	0.62	NO	2.746e3	1.1378	1.1378	0.154
7	Total Penta-Dioxins	31.02	3.379e3	7.100e3	2.081e2	3.950e2	0.53	YES	0.000e0	0.00000	0.22316	0.154
8	1,2,3,7,8-PeCDD	31.45	1.805e4	1.855e4	6.767e2	1.082e3	0.63	NO	1.758e3	0.72866	0.72866	0.154
9	Total Penta-Dioxins	31.53	5.033e3	7.535e3	2.980e2	2.608e2	1.14	YES	0.000e0	0.00000	0.17615	0.154
10	Total Penta-Dioxins	31.83	5.481e3	7.715e3	2.960e2	4.332e2	0.68	NO	7.292e2	0.30215	0.30215	0.154

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-4b.qld

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Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	2.600e5	1.977e5	1.382e4	1.097e4	1.26	NO	2.479e4	13.059	13.059	0.302
2	Total Hexa-Dioxins	33.88	3.054e4	2.648e4	1.645e3	1.285e3	1.28	NO	2.930e3	1.5431	1.5431	0.302
3	Total Hexa-Dioxins	34.13	1.966e5	1.576e5	1.310e4	1.075e4	1.22	NO	2.385e4	12.561	12.561	0.302
4	Total Hexa-Dioxins	34.25	1.572e4	1.191e4	7.105e2	5.542e2	1.28	NO	1.265e3	0.66615	0.66615	0.302
5	1,2,3,4,7,8-HxCDD	34.83	1.408e4	1.046e4	7.509e2	5.282e2	1.42	NO	1.279e3	0.66521	0.66521	0.282
6	1,2,3,6,7,8-HxCDD	34.93	5.911e4	5.465e4	3.867e3	3.236e3	1.19	NO	7.102e3	3.3041	3.3041	0.266
7	1,2,3,7,8,9-HxCDD	35.21	3.120e4	2.319e4	1.889e3	1.510e3	1.25	NO	3.399e3	1.8132	1.8132	0.324

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.72	9.979e5	9.542e5	7.875e4	7.767e4	1.01	NO	1.564e5	110.59	110.59	0.768
2	1,2,3,4,6,7,8-HpCDD	38.74	7.433e5	7.338e5	5.745e4	5.569e4	1.03	NO	1.131e5	79.995	79.995	0.768

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-4b.qld

Last Altered: Friday, June 12, 2020 1:59:36 PM Pacific Daylight Time

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Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.27	1.315e4	1.624e4	1.033e3	1.250e3	0.83	NO	2.283e3	0.68946	0.68946	0.238
2	Total Tetra-Furans	20.83	3.069e4	4.043e4	2.716e3	3.551e3	0.76	NO	6.267e3	1.8922	1.8922	0.238
3	Total Tetra-Furans	21.44	2.400e5	3.103e5	2.120e4	2.836e4	0.75	NO	4.956e4	14.964	14.964	0.238
4	Total Tetra-Furans	21.99	4.839e4	6.464e4	7.265e3	9.429e3	0.77	NO	1.669e4	5.0406	5.0406	0.238
5	Total Tetra-Furans	22.40	4.227e5	5.848e5	4.229e4	5.747e4	0.74	NO	9.976e4	30.123	30.123	0.238
6	Total Tetra-Furans	22.91	1.446e5	1.950e5	1.505e4	1.956e4	0.77	NO	3.461e4	10.451	10.451	0.238
7	Total Tetra-Furans	23.07	1.445e4	1.626e4	1.103e3	1.484e3	0.74	NO	2.586e3	0.78093	0.78093	0.238
8	Total Tetra-Furans	23.27	7.233e4	9.005e4	6.625e3	8.705e3	0.76	NO	1.533e4	4.6288	4.6288	0.238
9	Total Tetra-Furans	23.67	1.507e4	1.917e4	1.381e3	1.755e3	0.79	NO	3.136e3	0.94690	0.94690	0.238
10	Total Tetra-Furans	23.83	1.423e4	1.447e4	9.645e2	1.235e3	0.78	NO	2.199e3	0.66412	0.66412	0.238
11	Total Tetra-Furans	24.03	8.795e4	1.199e5	6.500e3	8.876e3	0.73	NO	1.538e4	4.6428	4.6428	0.238
12	Total Tetra-Furans	24.10	1.703e5	2.401e5	1.673e4	2.236e4	0.75	NO	3.909e4	11.805	11.805	0.238
13	Total Tetra-Furans	24.63	2.093e6	2.781e6	1.745e5	2.338e5	0.75	NO	4.083e5	123.28	123.28	0.238
14	Total Tetra-Furans	24.93	7.463e4	1.031e5	7.190e3	9.708e3	0.74	NO	1.690e4	5.1026	5.1026	0.238
15	Total Tetra-Furans	25.12	1.085e4	1.507e4	9.275e2	1.558e3	0.60	YES	0.000e0	0.00000	0.64378	0.238
16	Total Tetra-Furans	25.35	2.744e4	3.111e4	1.582e3	1.910e3	0.83	NO	3.491e3	1.0542	1.0542	0.238
17	Total Tetra-Furans	25.47	2.376e5	3.191e5	1.337e4	1.831e4	0.73	NO	3.167e4	9.5642	9.5642	0.238
18	2,3,7,8-TCDF	25.57	2.457e6	3.221e6	1.893e5	2.513e5	0.75	NO	4.406e5	133.05	133.05	0.238
19	Total Tetra-Furans	25.93	9.236e4	1.108e5	7.281e3	9.586e3	0.76	NO	1.687e4	5.0931	5.0931	0.238
20	Total Tetra-Furans	26.21	1.472e4	2.572e4	1.231e3	1.733e3	0.71	NO	2.964e3	0.89513	0.89513	0.238
21	Total Tetra-Furans	27.13	3.074e4	4.192e4	1.985e3	2.478e3	0.80	NO	4.463e3	1.3477	1.3477	0.238
22	Total Tetra-Furans	27.29	2.719e4	3.435e4	1.619e3	2.115e3	0.77	NO	3.735e3	1.1278	1.1278	0.238
23	Total Tetra-Furans	27.58	3.459e5	3.467e5	2.352e4	2.433e4	0.97	YES	0.000e0	0.00000	13.002	0.238

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	8.444e5	5.276e5	5.390e4	3.371e4	1.60	NO	8.760e4	23.743	23.743	0.0414

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-4b.qld

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Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.02	8.307e4	4.751e4	4.115e3	2.347e3	1.75	NO	6.463e3	1.7515	1.7515	0.341
2	Total Penta-Furans	29.16	2.838e6	1.856e6	1.820e5	1.160e5	1.57	NO	2.980e5	80.771	80.771	0.341
3	Total Penta-Furans	29.76	1.517e5	1.046e5	1.192e4	8.131e3	1.47	NO	2.005e4	5.4333	5.4333	0.341
4	Total Penta-Furans	29.97	6.776e5	4.607e5	3.729e4	2.388e4	1.56	NO	6.117e4	16.579	16.579	0.341
5	1,2,3,7,8-PeCDF	30.15	5.968e6	3.898e6	3.533e5	2.302e5	1.53	NO	5.835e5	155.64	155.64	0.353
6	Total Penta-Furans	30.43	2.409e6	1.550e6	1.350e5	8.627e4	1.57	NO	2.213e5	59.974	59.974	0.341
7	Total Penta-Furans	30.92	1.218e4	8.483e3	7.400e2	5.288e2	1.40	NO	1.269e3	0.34388	0.34388	0.341
8	Total Penta-Furans	31.02	3.757e4	2.087e4	1.741e3	1.055e3	1.65	NO	2.796e3	0.75782	0.75782	0.341
9	2,3,4,7,8-PeCDF	31.15	3.015e6	1.939e6	1.517e5	9.877e4	1.54	NO	2.505e5	65.887	65.887	0.314
10	Total Penta-Furans	31.18	1.787e6	1.171e6	4.870e4	3.068e4	1.59	NO	7.938e4	21.515	21.515	0.341
11	Total Penta-Furans	32.08	1.587e5	1.191e5	8.575e3	5.847e3	1.47	NO	1.442e4	3.9089	3.9089	0.341

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.77	1.919e5	1.468e5	9.479e3	7.595e3	1.25	NO	1.707e4	6.7790	6.7790	0.482
2	Total Hexa-Furans	32.94	8.531e5	6.591e5	4.328e4	3.460e4	1.25	NO	7.788e4	30.922	30.922	0.482
3	Total Hexa-Furans	33.30	2.077e4	1.502e4	9.681e2	8.296e2	1.17	NO	1.798e3	0.71377	0.71377	0.482
4	Total Hexa-Furans	33.48	1.040e6	8.397e5	5.455e4	4.452e4	1.23	NO	9.907e4	39.336	39.336	0.482
5	Total Hexa-Furans	33.83	3.936e4	3.523e4	1.802e3	1.540e3	1.17	NO	3.342e3	1.3269	1.3269	0.482
6	1,2,3,4,7,8-HxCDF	33.94	4.550e6	3.843e6	2.483e5	2.063e5	1.20	NO	4.546e5	190.26	190.26	0.460
7	1,2,3,6,7,8-HxCDF	34.07	1.307e6	1.091e6	8.267e4	6.771e4	1.22	NO	1.504e5	53.159	53.159	0.413
8	Total Hexa-Furans	34.35	3.012e4	2.389e4	1.437e3	1.273e3	1.13	NO	2.710e3	1.0761	1.0761	0.482
9	2,3,4,6,7,8-HxCDF	34.65	3.020e5	2.459e5	1.686e4	1.400e4	1.20	NO	3.087e4	12.163	12.163	0.461
10	1,2,3,7,8,9-HxCDF	35.60	4.397e5	3.462e5	1.353e4	1.163e4	1.16	NO	2.516e4	13.225	13.225	0.743
11	Total Hexa-Furans	35.61	4.440e5	3.467e5	1.773e4	1.369e4	1.30	NO	3.142e4	12.477	12.477	0.482

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-4b.qld

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Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

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	37.34	9.206e5	8.993e5	6.983e4	6.897e4	1.01	NO	1.388e5	83.336	83.336	0.634
2	Total Hepta-Furans	37.74	1.996e4	1.951e4	1.535e3	1.483e3	1.04	NO	3.018e3	2.1703	2.1703	0.732
3	Total Hepta-Furans	37.95	9.487e5	9.622e5	7.716e4	7.610e4	1.01	NO	1.533e5	110.22	110.22	0.732
4	1,2,3,4,7,8,9-HpCDF	39.30	2.597e5	2.623e5	1.832e4	1.812e4	1.01	NO	3.645e4	28.175	28.175	0.757

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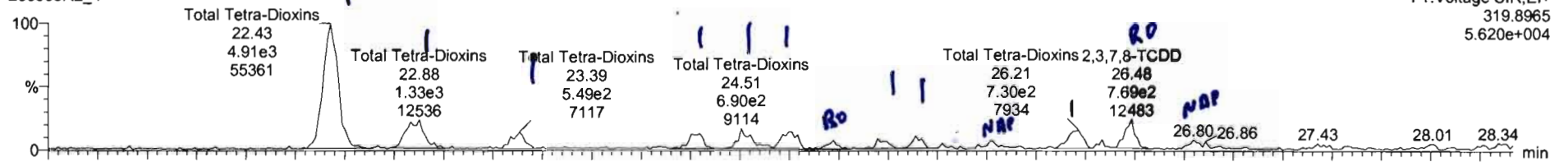
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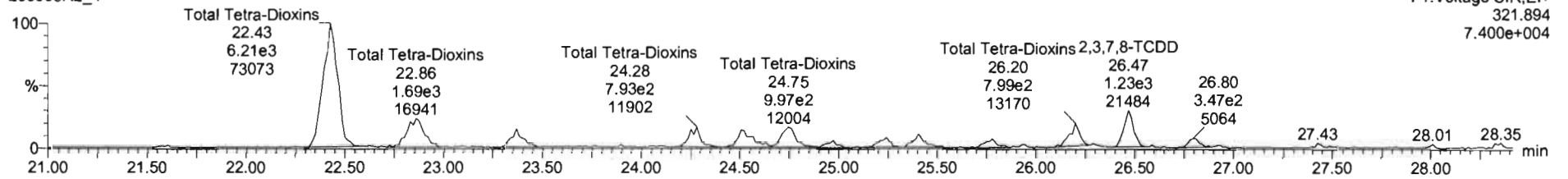
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2,3,7,8-TCDD

200608R2_4

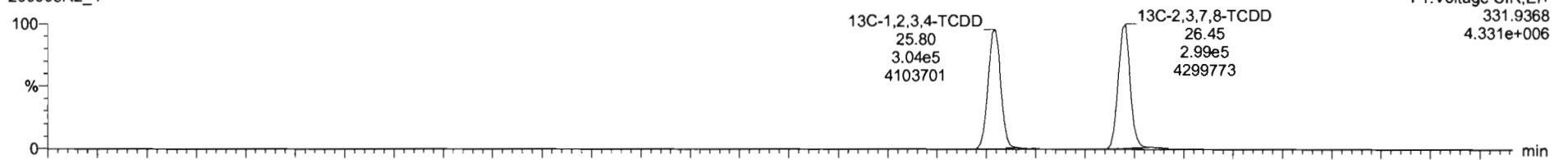


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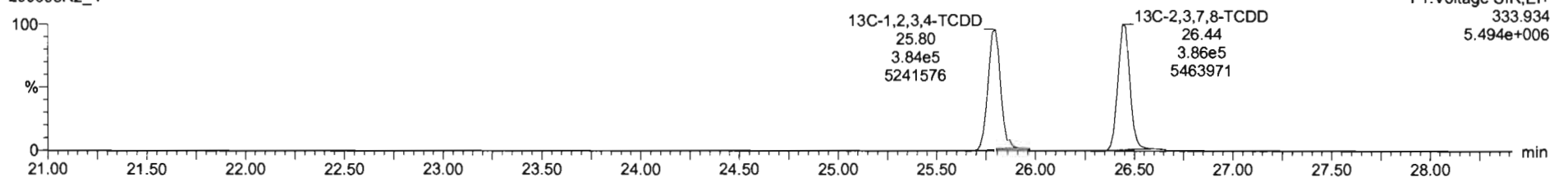


13C-2,3,7,8-TCDD

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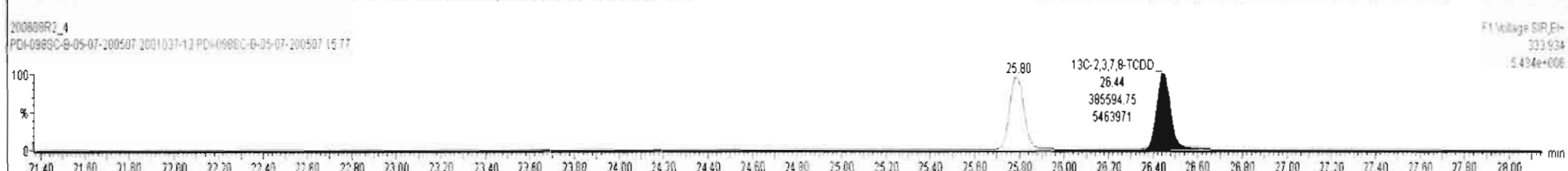
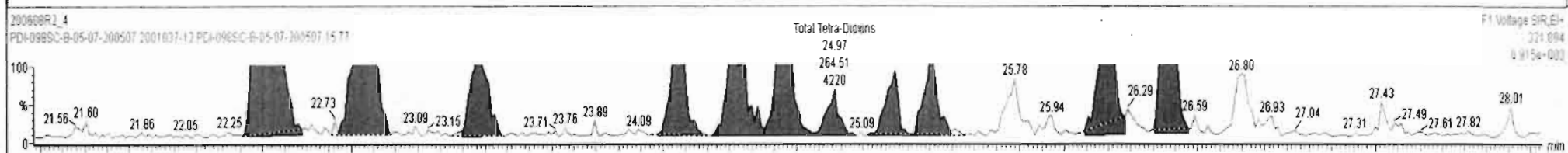
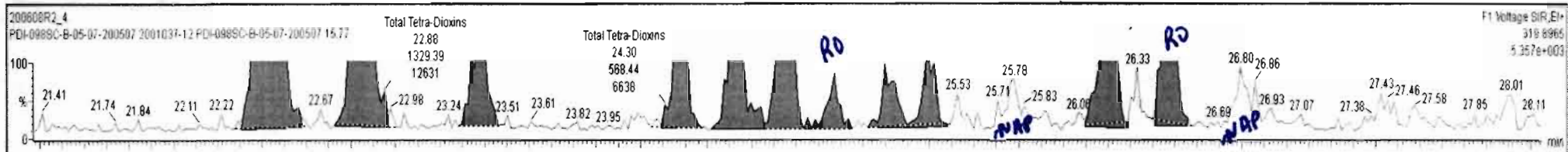


200608R2_4



Name	Resp	RA	rvj	RRF	wAvol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.000			7.72		0.131	8.48

Name	RT	m1 Resp	m2 Resp	RA	rvj	EMPC	Conc.
1 Total Tetra-Dioxins	22.43	4.917e3	6.285e3	0.78	NO	3.6821	3.6821
2 Total Tetra-Dioxins	22.88	1.329e3	1.672e3	0.80	NO	0.98641	0.98641
3 Total Tetra-Dioxins	23.39	5.491e2	7.339e2	0.75	NO	0.42173	0.42173
4 Total Tetra-Dioxins	24.30	5.684e2	7.810e2	0.73	NO	0.44354	0.44354
5 Total Tetra-Dioxins	24.51	6.900e2	9.151e2	0.75	NO	0.52759	0.52759
6 Total Tetra-Dioxins	24.76	7.387e2	9.969e2	0.74	NO	0.57050	0.57050
7 Total Tetra-Dioxins	24.97	2.346e2	2.645e2	0.89	YES	0.15369	0.00000
8 Total Tetra-Dioxins	25.20	2.997e2	3.756e2	0.80	NO	0.22200	0.22200
9 Total Tetra-Dioxins	25.39	3.619e2	5.172e2	0.70	NO	0.26896	0.26896
10 Total Tetra-Dioxins	26.21	7.845e2	9.709e2	0.81	NO	0.57699	0.57699
11 2,3,7,8-TCDD	26.46	8.002e2	1.285e3	0.62	YES	0.60460	0.00000



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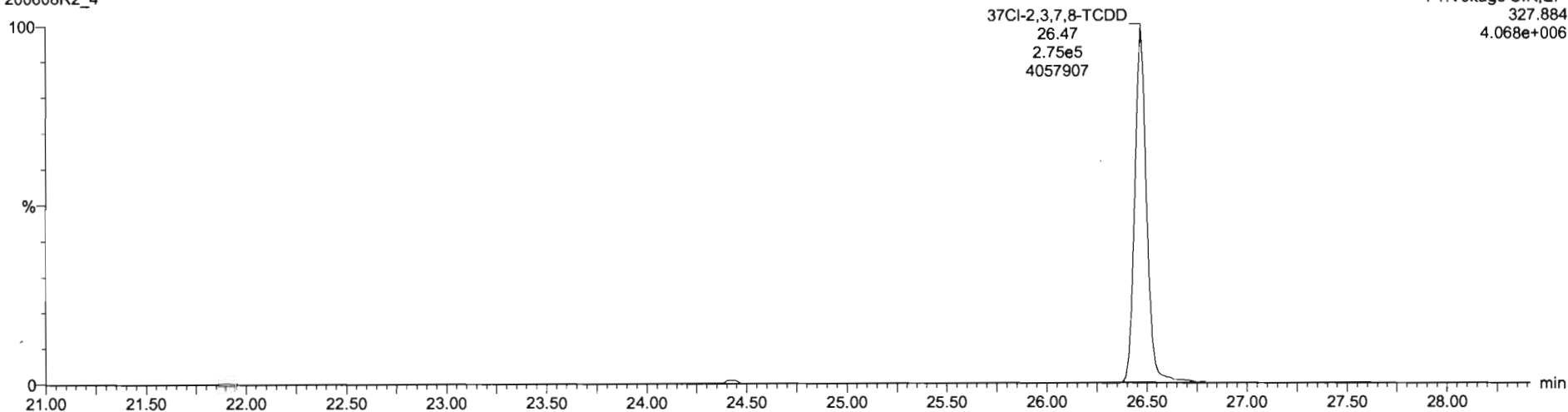
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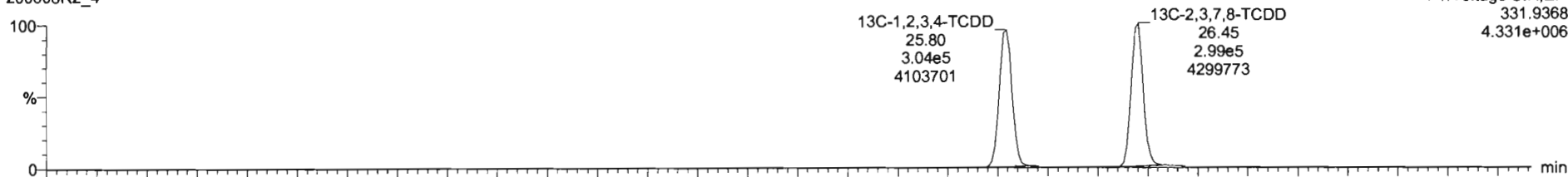
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200608R2_4

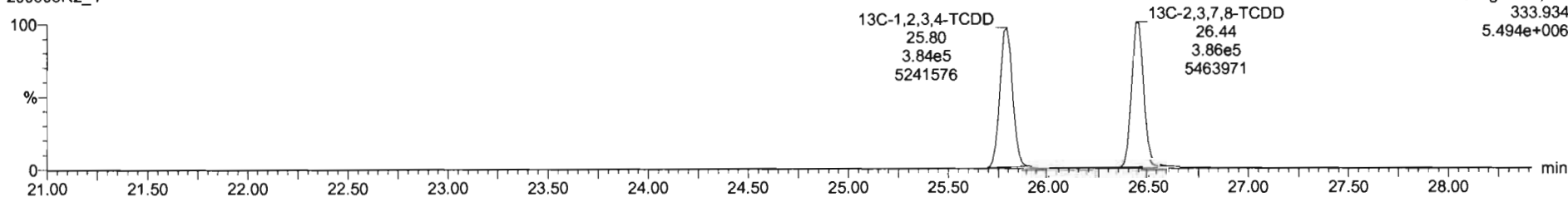


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200608R2_4



200608R2_4

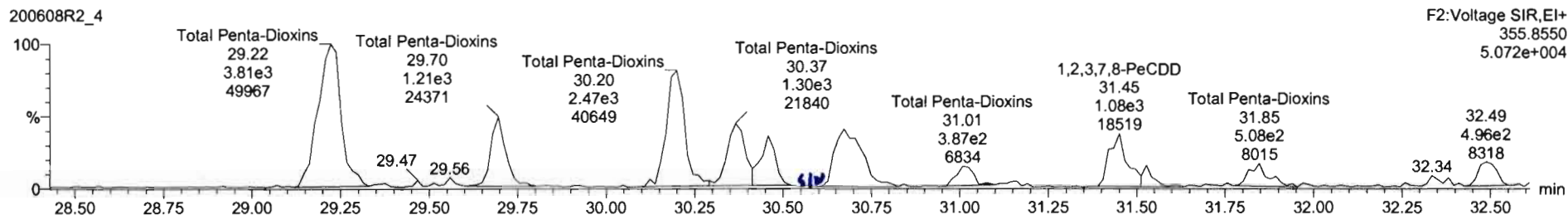
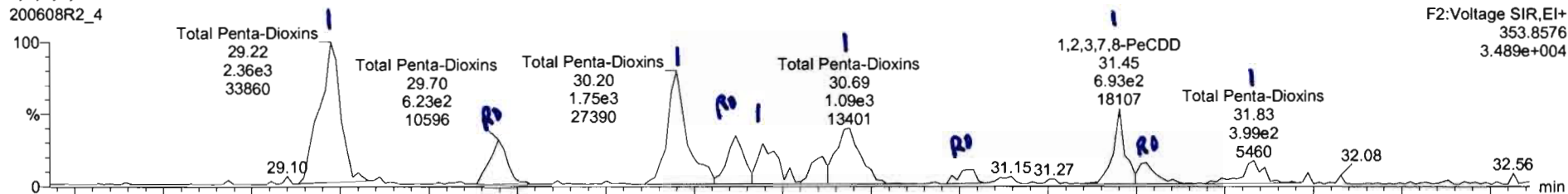


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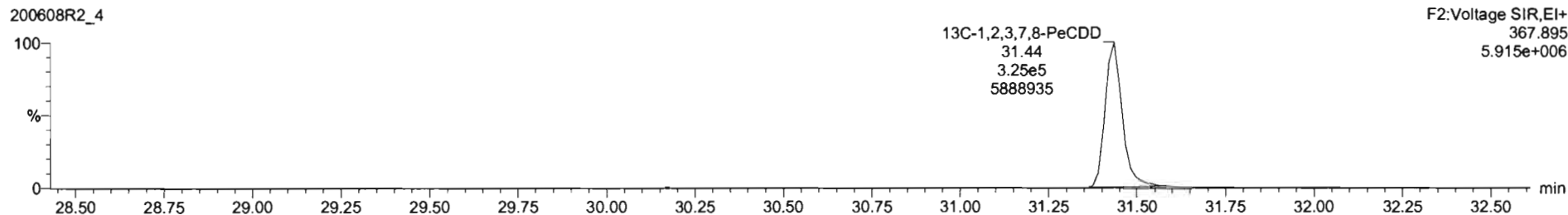
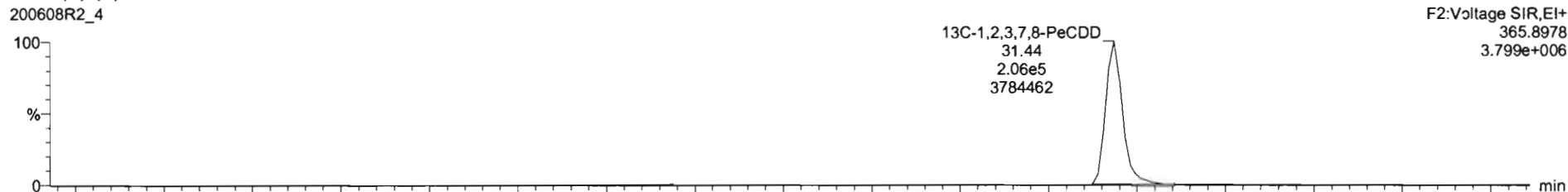
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Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

1,2,3,7,8-PeCDD

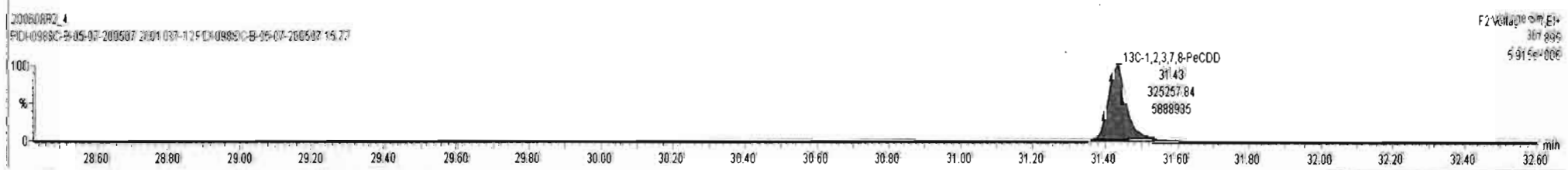
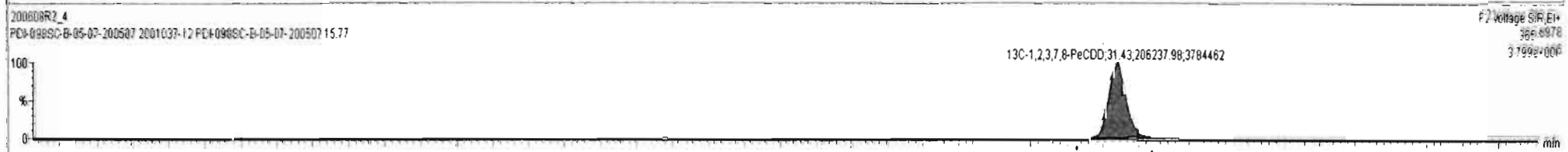
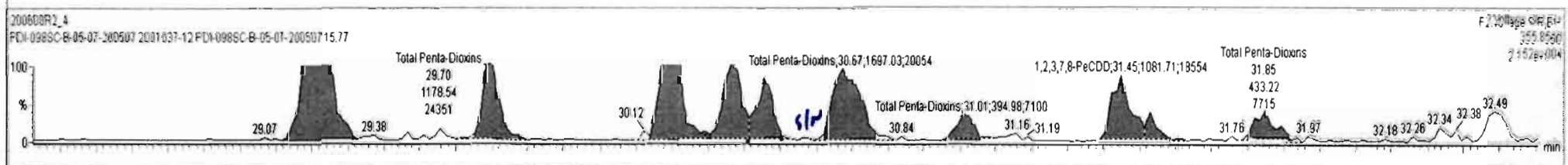
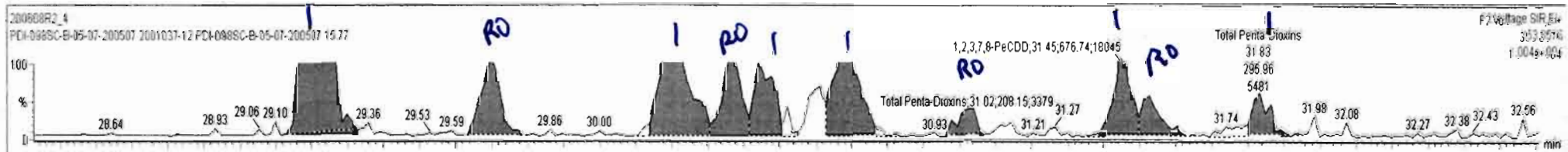


13C-1,2,3,7,8-PeCDD



Name	Resp	RA	n/y	RRF	wAol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9061	10.000			7.07		0.154	8.83

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.22	2.420e3	3.805e3	0.64	NO	2.5795	2.5795
2 Total Penta-Dioxins	29.70	6.184e2	1.179e3	0.52	YES	0.66298	0.00000
3 Total Penta-Dioxins	30.20	1.728e3	2.445e3	0.71	NO	1.7295	1.7295
4 Total Penta-Dioxins	30.37	6.468e2	1.272e3	0.51	YES	0.69340	0.00000
5 Total Penta-Dioxins	30.44	5.862e2	8.543e2	0.69	NO	0.59696	0.59696
6 Total Penta-Dioxins	30.69	1.049e3	1.697e3	0.62	NO	1.1378	1.1378
7 Total Penta-Dioxins	31.02	2.081e2	3.950e2	0.53	YES	0.22316	0.00000
8 1,2,3,7,8-PeCDD	31.45	6.767e2	1.082e3	0.63	NO	0.72866	0.72866
9 Total Penta-Dioxins	31.53	2.980e2	2.608e2	1.14	YES	0.17615	0.00000
10 Total Penta-Dioxins	31.83	2.960e2	4.332e2	0.68	NO	0.30215	0.30215



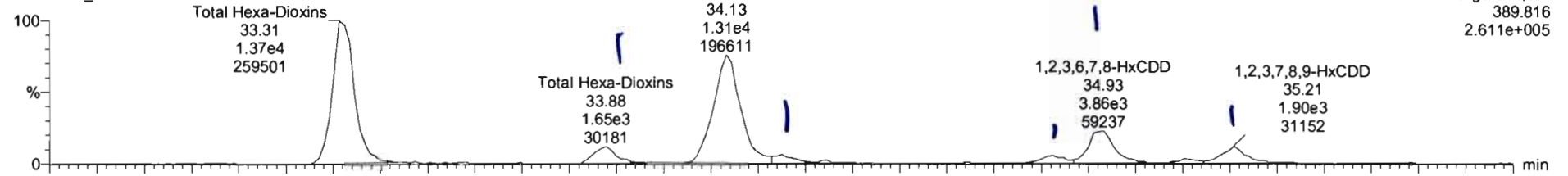
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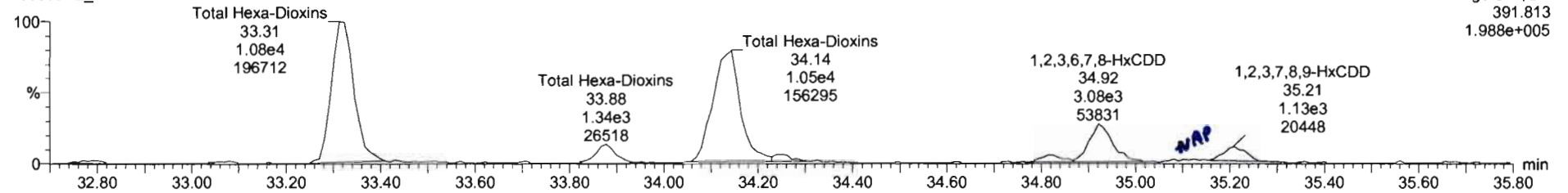
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1,2,3,4,7,8-HxCDD

200608R2_4

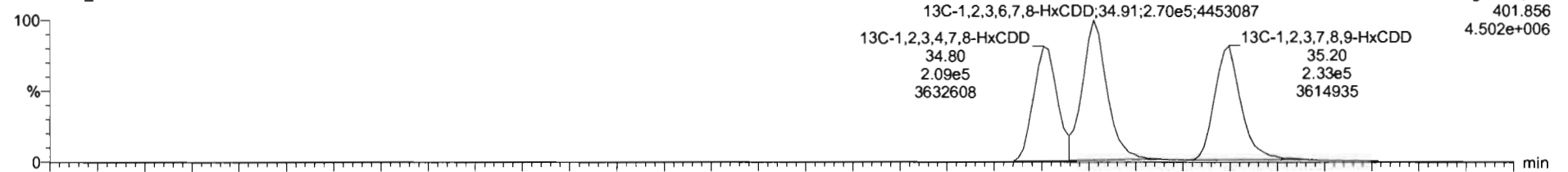


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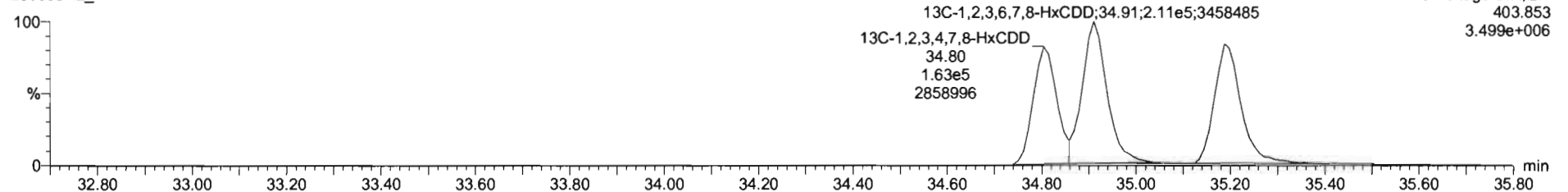


13C-1,2,3,4,7,8-HxCDD

200608R2_4

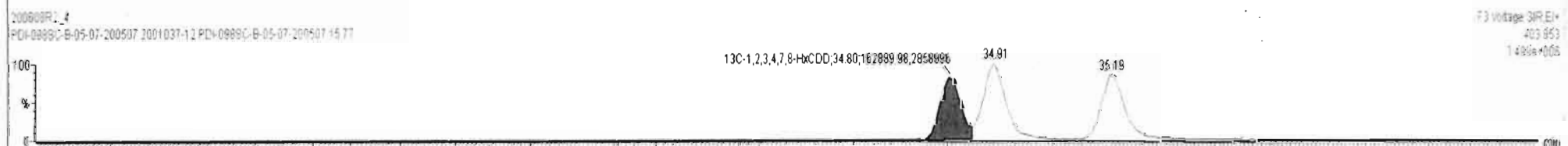
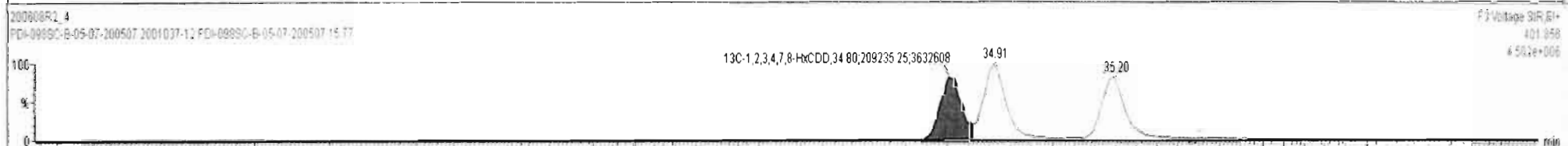
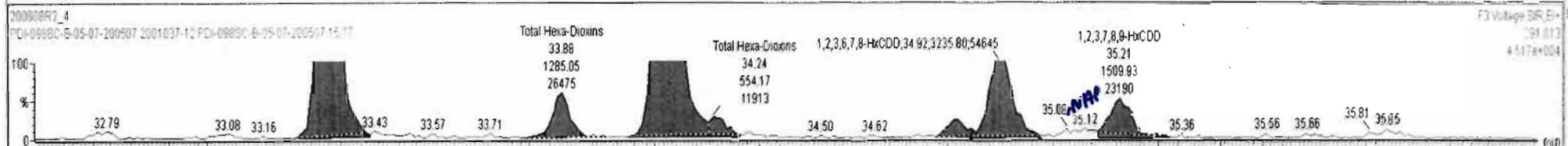
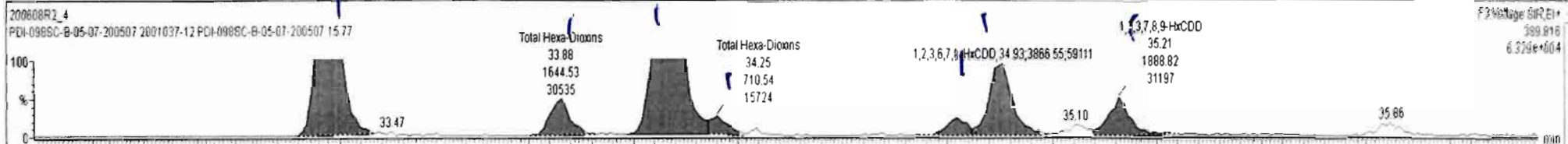


200608R2_4



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.000			7.07		0.154	8.83

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	1.382e4	1.097e4	1.26	NO	13.059	13.059
2 Total Hexa-Dioxins	33.88	1.645e3	1.285e3	1.28	NO	1.5431	1.5431
3 Total Hexa-Dioxins	34.13	1.310e4	1.075e4	1.22	NO	12.561	12.561
4 Total Hexa-Dioxins	34.25	7.105e2	5.542e2	1.28	NO	0.66615	0.66615
5 1,2,3,4,7,8-HxCDD	34.83	7.509e2	5.282e2	1.42	NO	0.66521	0.66521
6 1,2,3,6,7,8-HxCDD	34.83	3.867e3	3.236e3	1.19	NO	3.3041	3.3041
7 1,2,3,7,8,9-HxCDD	35.21	1.888e3	1.510e3	1.25	NO	1.8132	1.8132



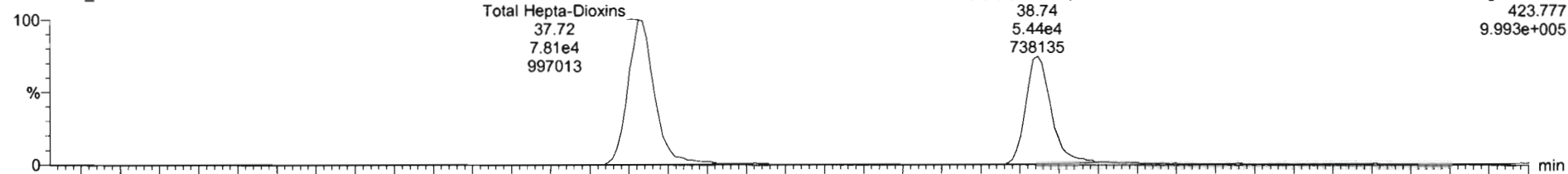
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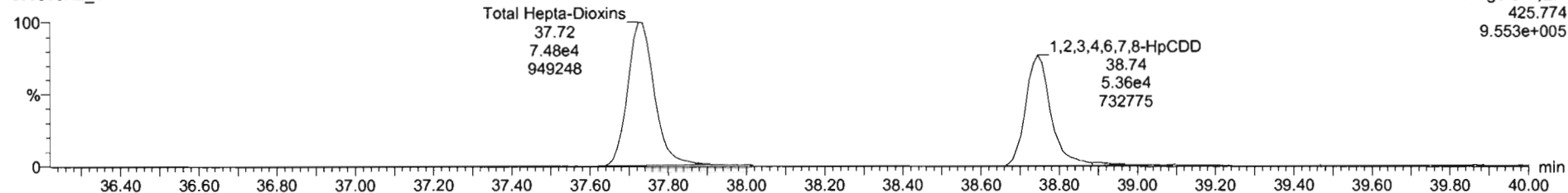
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1,2,3,4,6,7,8-HpCDD

200608R2_4

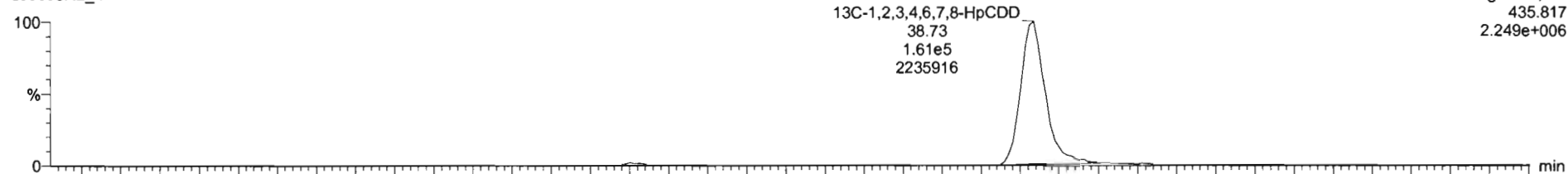


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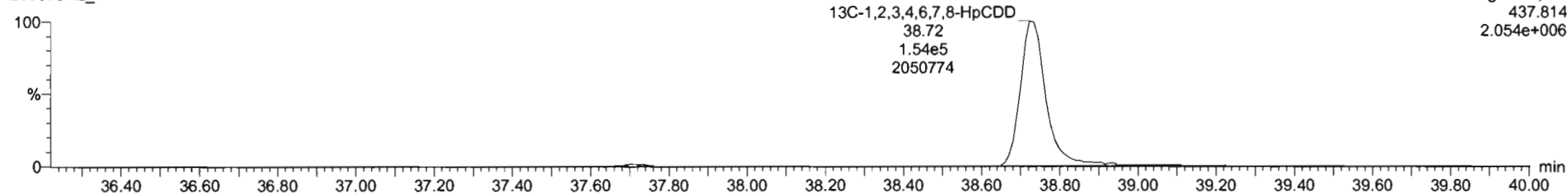


13C-1,2,3,4,6,7,8-HpCDD

200608R2_4

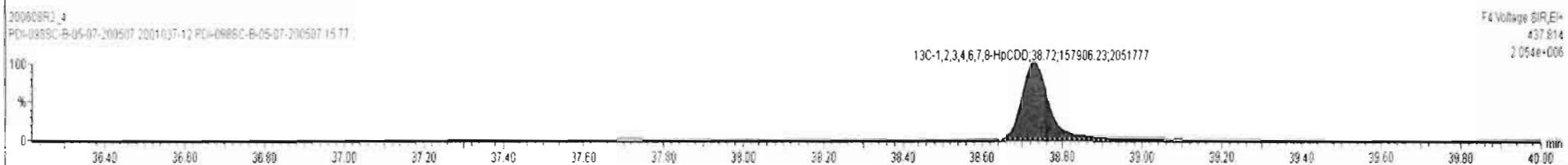
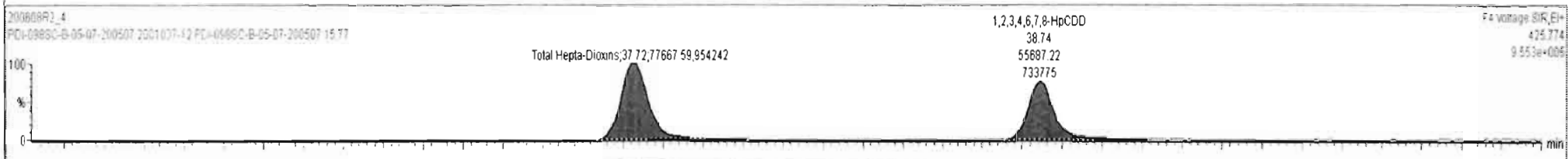
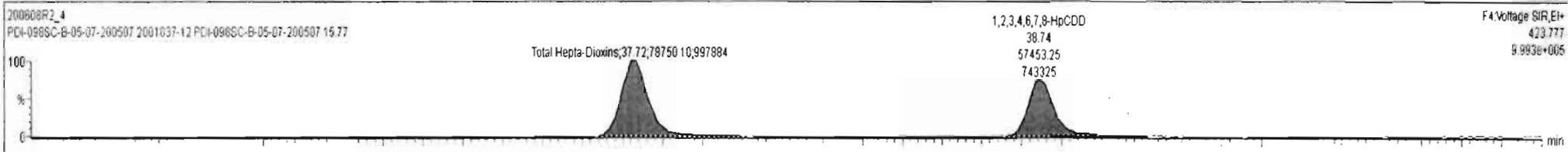


200608R2_4



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				0.8639	10.000			191		0.768	191

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.72	7.875e4	7.767e4	1.01	NO	110.59	110.59
2 1,2,3,4,6,7,8-HpCDD	38.74	5.745e4	5.589e4	1.03	NO	79.995	79.995



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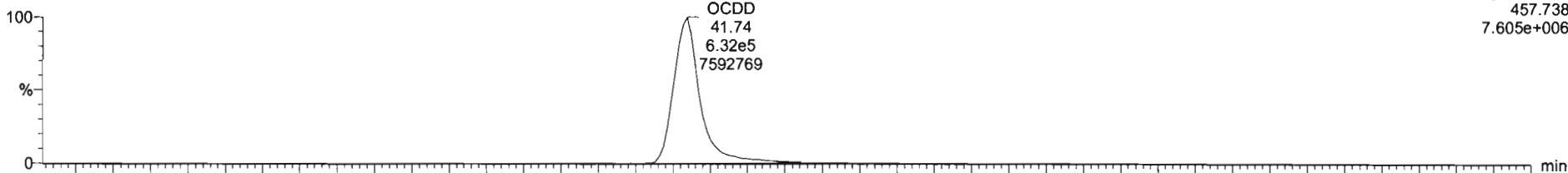
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Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

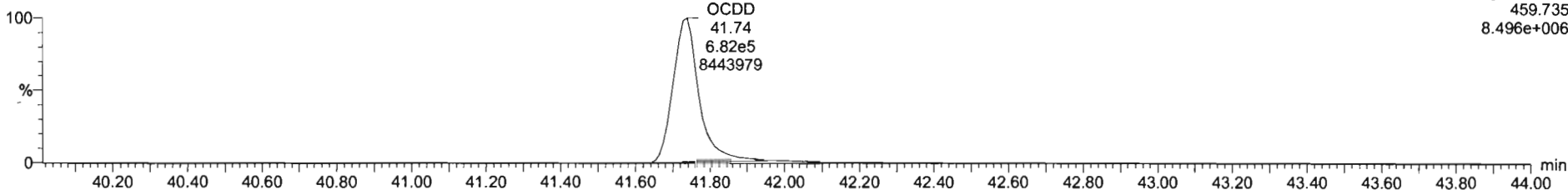
OCDD

200608R2_4



F5:Voltage SIR,EI+
457.738
7.605e+006

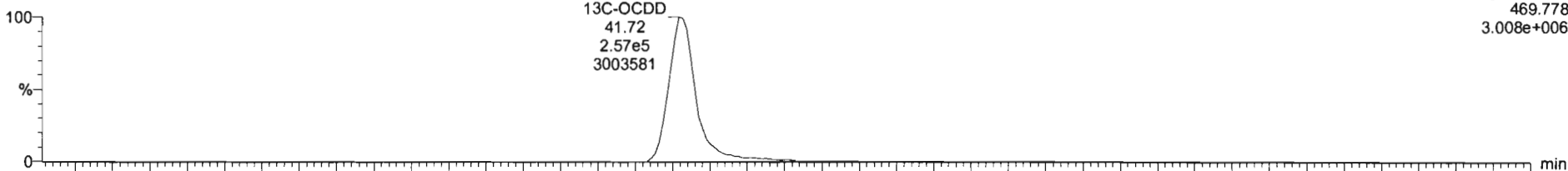
200608R2_4



F5:Voltage SIR,EI+
459.735
8.496e+006

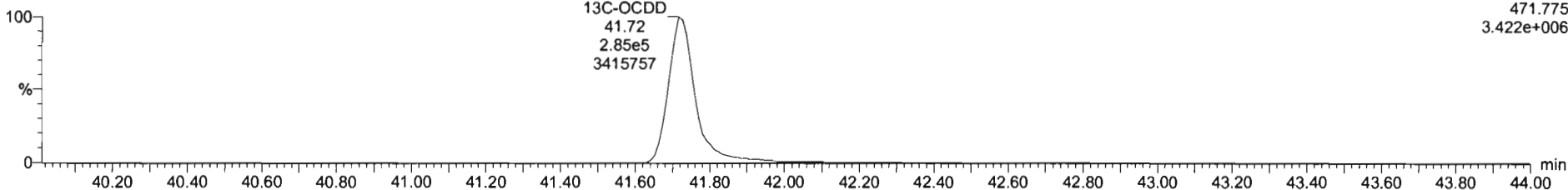
13C-OCDD

200608R2_4



F5:Voltage SIR,EI+
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3.008e+006

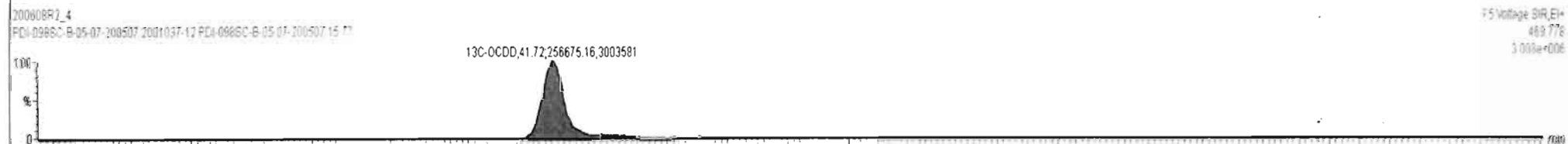
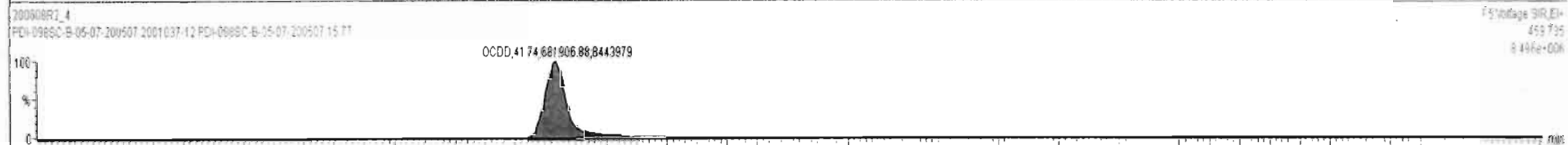
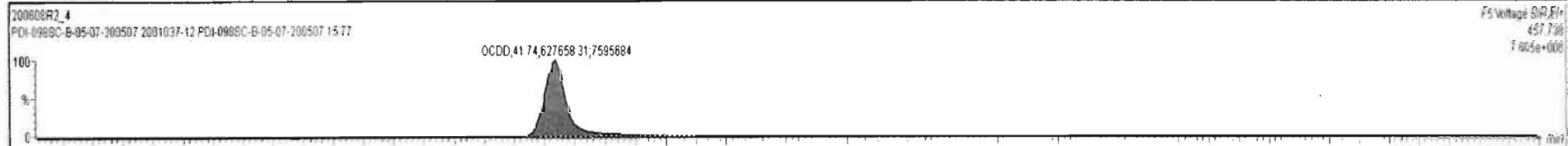
200608R2_4



F5:Voltage SIR,EI+
471.775
3.422e+006

Name	Resp	RA	n/y	RF	w/Aol	RT	RRT	Conc	%Rec	DL	EMPC
7 OCDD	1.31e6	0.92	NO	0.9136	10.000	41.74	1.001	1060		0.965	1080

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

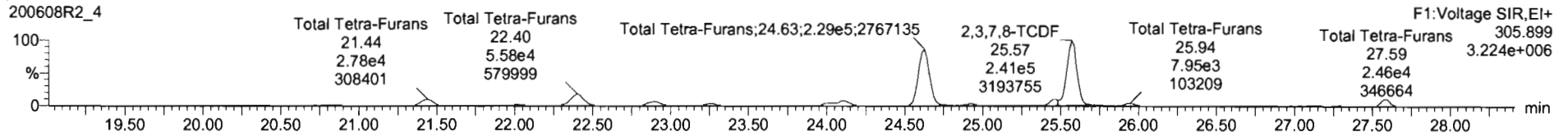
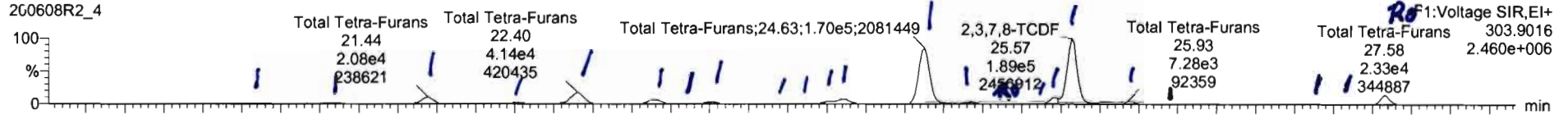


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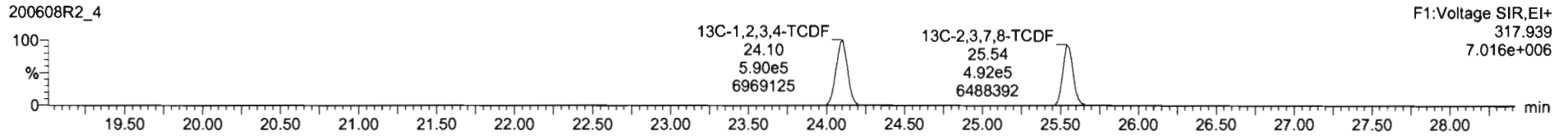
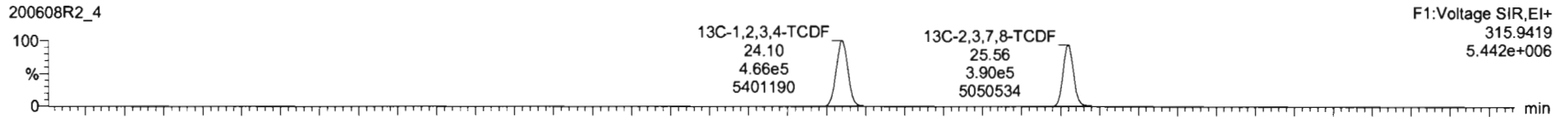
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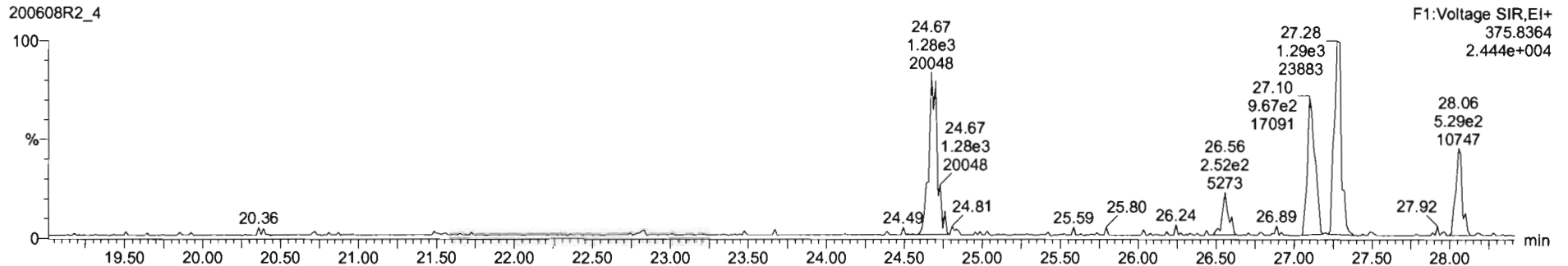
2,3,7,8-TCDF



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

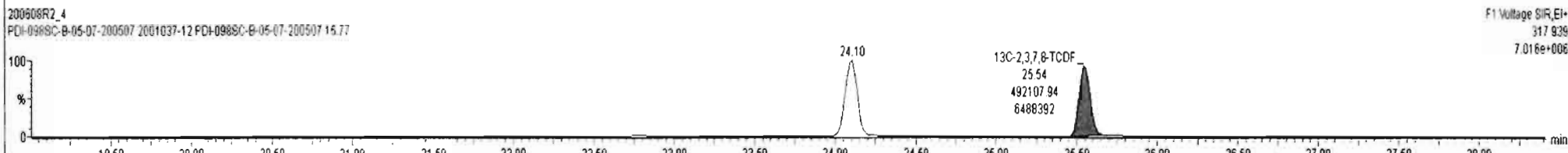
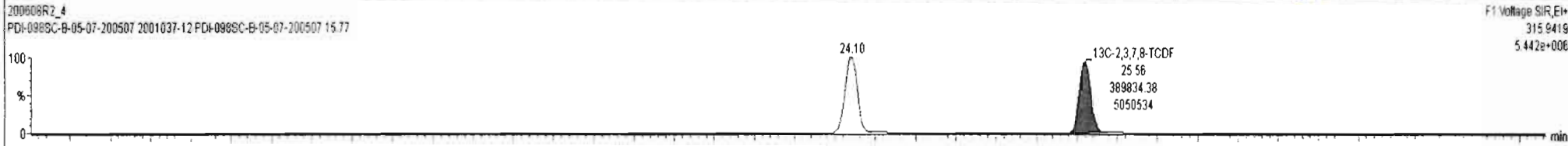
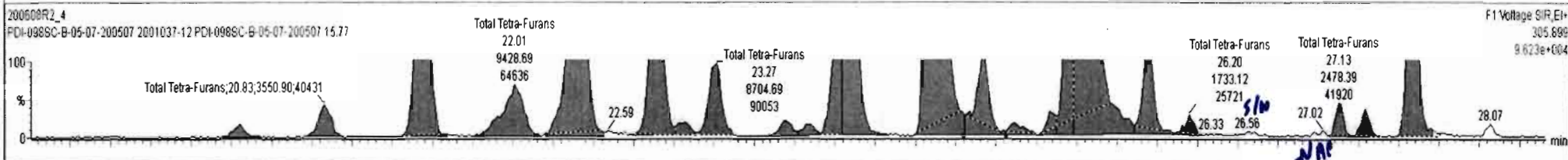
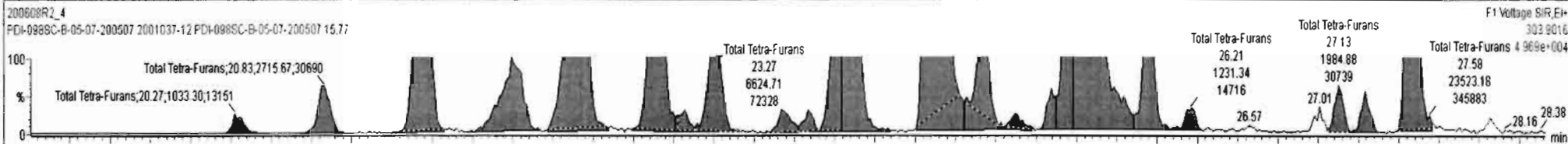


DPE1



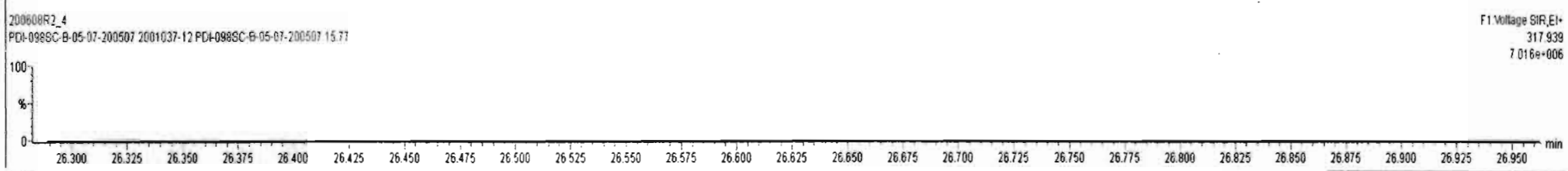
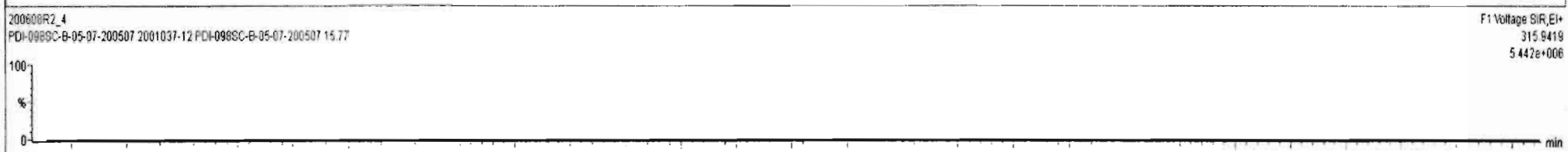
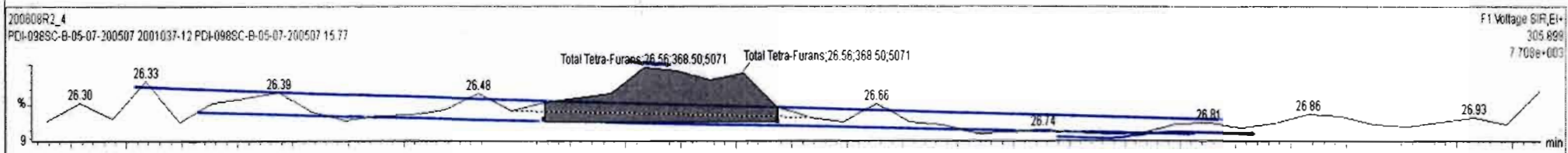
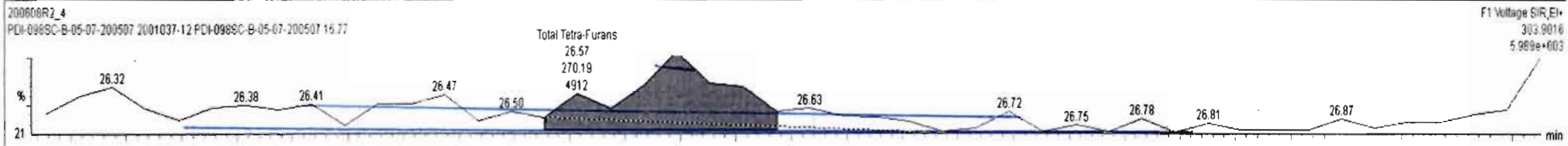
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.000			367		0.238	381

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.27	1.033e3	1.250e3	0.83	NO	0.68946	0.68946
2 Total Tetra-Furans	20.83	2.716e3	3.551e3	0.76	NO	1.8922	1.8922
3 Total Tetra-Furans	21.44	2.120e4	2.836e4	0.75	NO	14.964	14.964
4 Total Tetra-Furans	21.99	7.265e3	9.429e3	0.77	NO	5.0406	5.0406
5 Total Tetra-Furans	22.40	4.229e4	5.747e4	0.74	NO	30.123	30.123
6 Total Tetra-Furans	22.91	1.505e4	1.956e4	0.77	NO	10.451	10.451
7 Total Tetra-Furans	23.07	1.103e3	1.484e3	0.74	NO	0.78093	0.78093
8 Total Tetra-Furans	23.27	6.625e3	8.705e3	0.76	NO	4.6288	4.6288
9 Total Tetra-Furans	23.67	1.381e3	1.755e3	0.79	NO	0.94690	0.94690
10 Total Tetra-Furans	23.83	9.645e2	1.235e3	0.78	NO	0.66412	0.66412
11 Total Tetra-Furans	24.03	6.500e3	8.876e3	0.73	NO	4.6428	4.6428
12 Total Tetra-Furans	24.10	1.673e4	2.236e4	0.75	NO	11.805	11.805
13 Total Tetra-Furans	24.63	1.745e5	2.338e5	0.75	NO	123.28	123.28
14 Total Tetra-Furans	24.93	7.190e3	9.708e3	0.74	NO	5.1026	5.1026
15 Total Tetra-Furans	25.12	9.275e2	1.558e3	0.60	YES	0.64378	0.00000
16 Total Tetra-Furans	25.35	1.582e3	1.910e3	0.83	NO	1.0542	1.0542



Name	Resp	RA	n/y	RF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans			0.7510	10.000			368		0.238	381

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	20.27	1.033e3	1.250e3	0.83	NO	0.68946
2	Total Tetra-Furans	20.83	2.716e3	3.551e3	0.76	NO	1.8922
3	Total Tetra-Furans	21.44	2.120e4	2.836e4	0.75	NO	14.964
4	Total Tetra-Furans	21.99	7.265e3	9.429e3	0.77	NO	5.0406
5	Total Tetra-Furans	22.40	4.229e4	5.747e4	0.74	NO	30.123
6	Total Tetra-Furans	22.91	1.505e4	1.956e4	0.77	NO	10.451
7	Total Tetra-Furans	23.07	1.103e3	1.484e3	0.74	NO	0.78093
8	Total Tetra-Furans	23.27	6.625e3	8.705e3	0.76	NO	4.6288
9	Total Tetra-Furans	23.67	1.381e3	1.755e3	0.79	NO	0.94690
10	Total Tetra-Furans	23.83	9.845e2	1.235e3	0.78	NO	0.66412
11	Total Tetra-Furans	24.03	6.500e3	8.878e3	0.73	NO	4.6428
12	Total Tetra-Furans	24.10	1.673e4	2.236e4	0.75	NO	11.805
13	Total Tetra-Furans	24.63	1.745e5	2.338e5	0.75	NO	123.28
14	Total Tetra-Furans	24.93	7.190e3	9.708e3	0.74	NO	5.1026
15	Total Tetra-Furans	25.12	9.275e2	1.558e3	0.60	YES	0.64378
16	Total Tetra-Furans	25.35	1.582e3	1.910e3	0.83	NO	1.0542



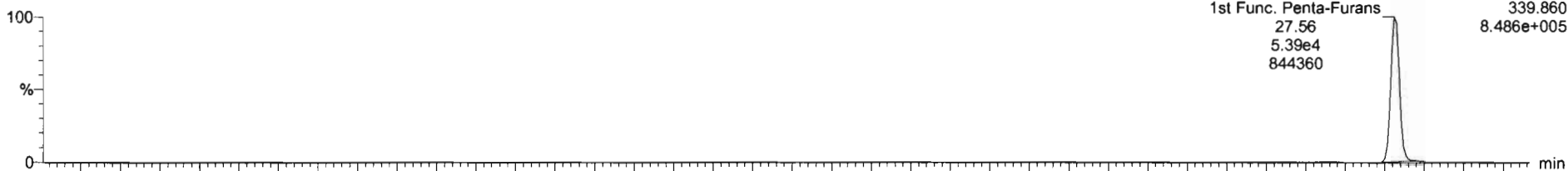
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Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

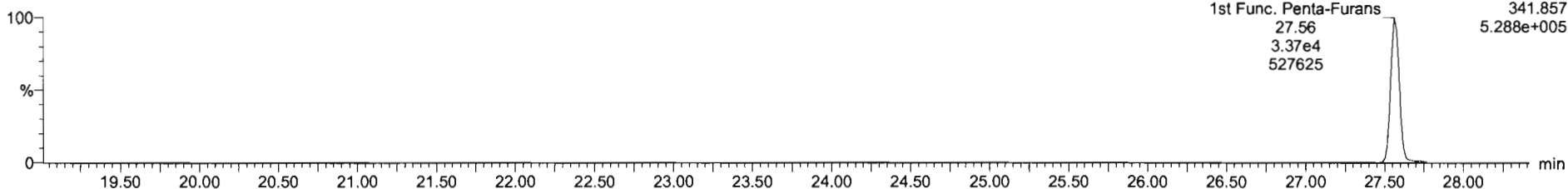
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1st Func. Penta-Furans

200608R2_4

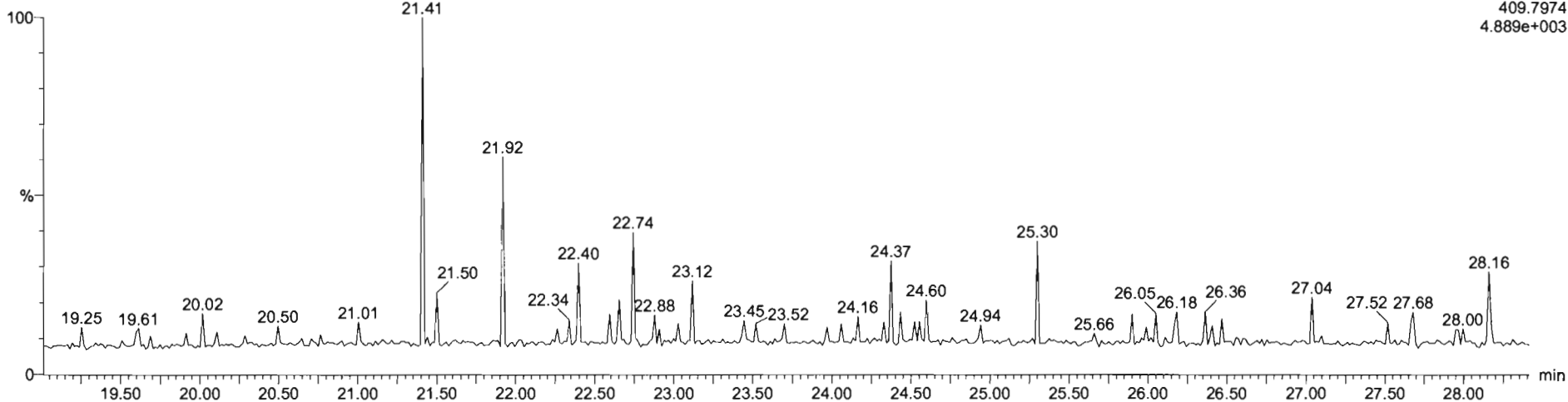


200608R2_4



DPE6

200608R2_4

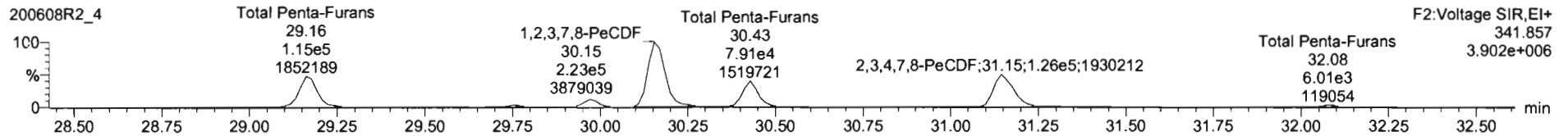
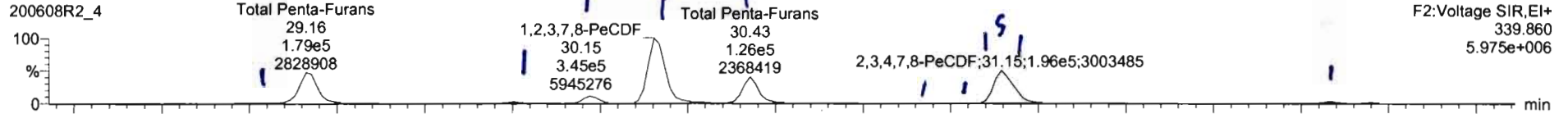


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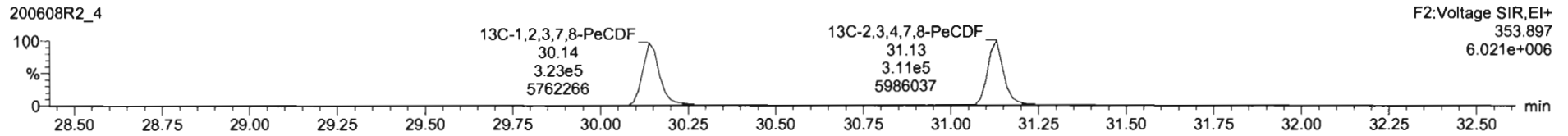
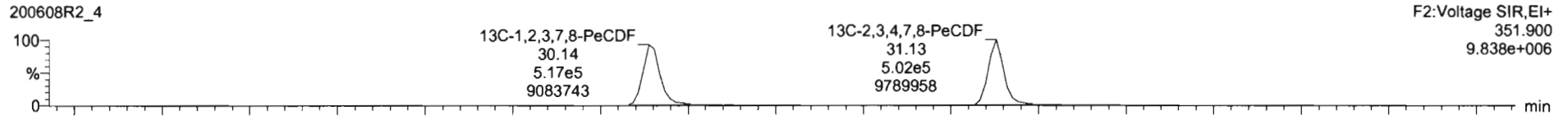
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Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

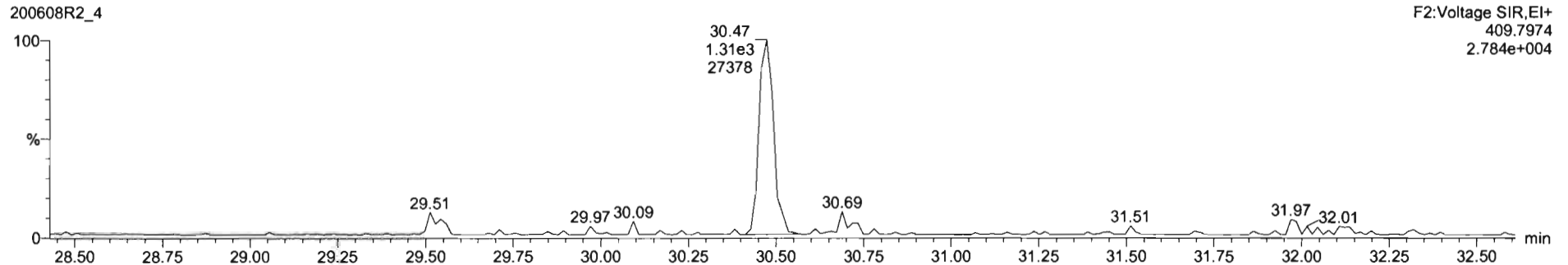
1,2,3,7,8-PeCDF



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



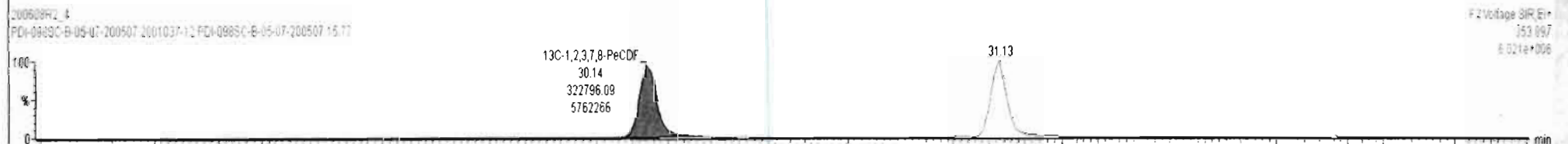
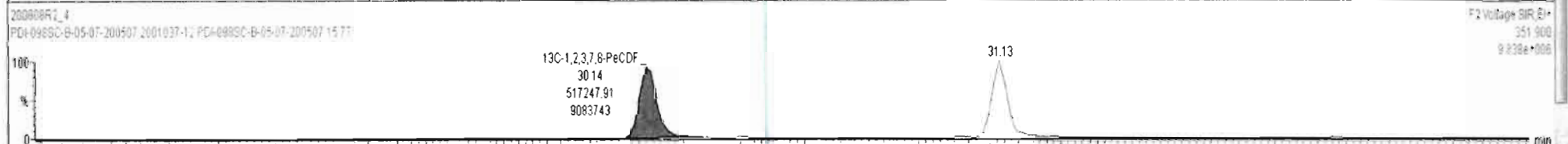
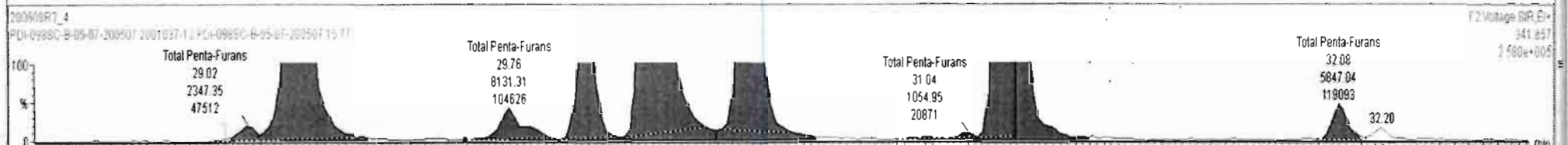
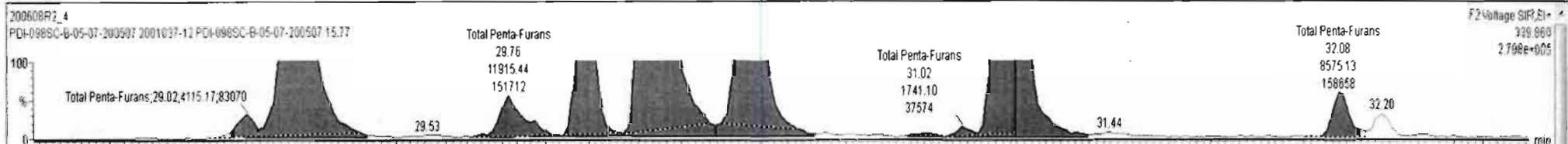
DPE2



200608R2_4 - 2001037-12.PDI-098SC-B-05-07-200507 15.77 - PDI-098SC-B-05-07-200507

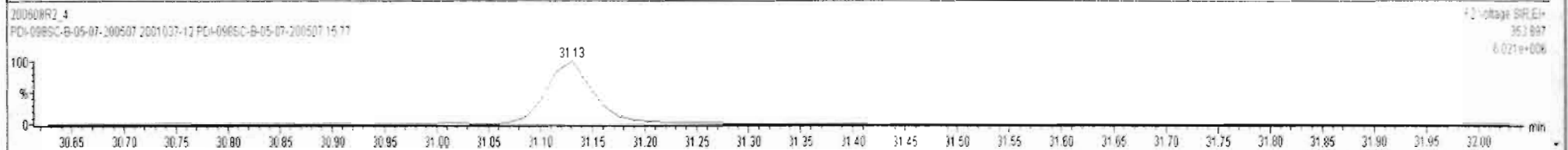
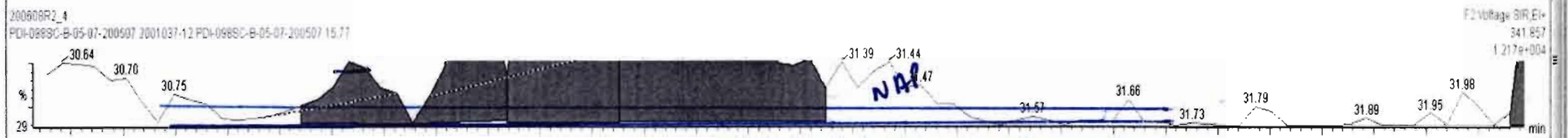
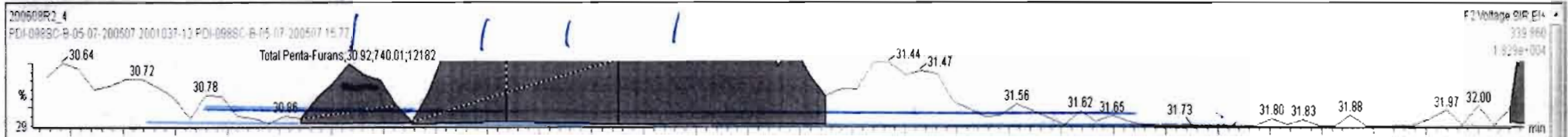
Name	Resp	RA	nly	RF	wAol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413		0.341	413

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Penta-Furans	29.02	4.115e3	2.347e3	1.75	NO	1.7515	1.7515
2 Total Penta-Furans	29.16	1.820e5	1.160e5	1.57	NO	80.771	80.771
3 Total Penta-Furans	29.76	1.192e4	8.131e3	1.47	NO	5.4333	5.4333
4 Total Penta-Furans	29.97	3.729e4	2.388e4	1.56	NO	16.579	16.579
5 1,2,3,7,8-PeCDF	30.15	3.533e5	2.302e5	1.53	NO	155.64	155.64
6 Total Penta-Furans	30.43	1.350e5	8.627e4	1.57	NO	59.974	59.974
7 Total Penta-Furans	30.92	7.400e2	5.288e2	1.40	NO	0.34388	0.34388
8 Total Penta-Furans	31.02	1.741e3	1.055e3	1.65	NO	0.75782	0.75782
9 2,3,4,7,8-PeCDF	31.15	1.517e5	9.877e4	1.54	NO	65.887	65.887
10 Total Penta-Furans	31.18	4.870e4	3.088e4	1.59	NO	21.515	21.515
11 Total Penta-Furans	32.08	8.575e3	5.847e3	1.47	NO	3.9089	3.9089



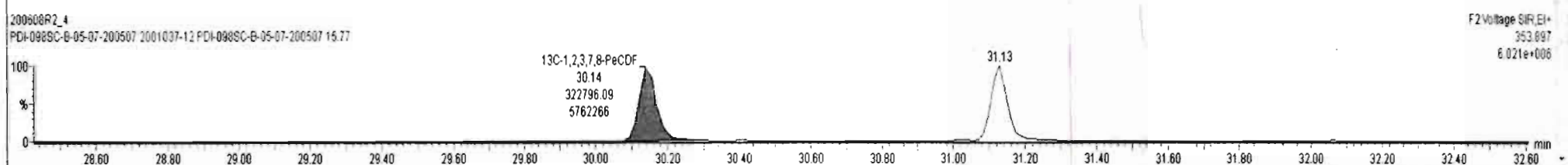
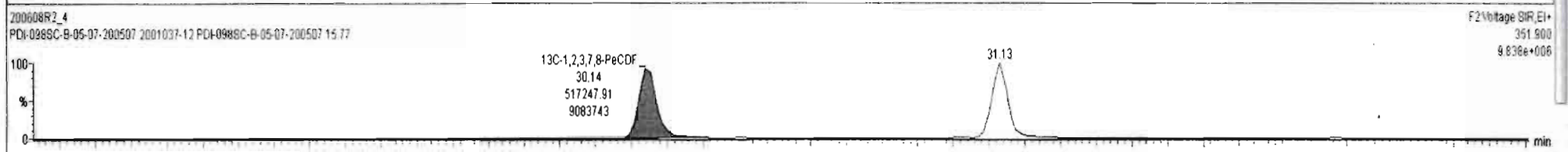
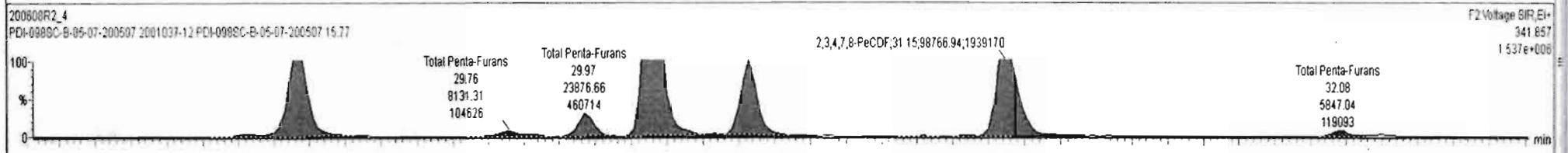
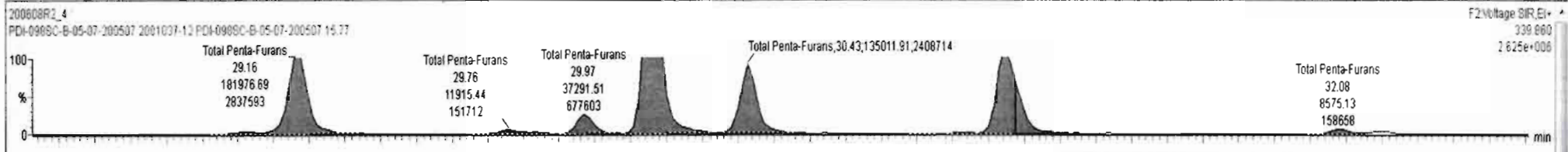
Name	Resp	RA	n/y	RRF	wtAvol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413		0.341	413
46 Total Hexa-Furans				0.9341	10.000			361		0.482	361
47 Total Hepta-Furans				0.8734	10.000			224		0.732	224
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	4.115e3	2.347e3	1.75	NO	1.7520	1.7515
2 Total Penta-Furans	29.16	1.820e5	1.160e5	1.57	NO	80.771	80.771
3 Total Penta-Furans	29.76	1.192e4	8.131e3	1.47	NO	5.4330	5.4333
4 Total Penta-Furans	29.97	3.729e4	2.388e4	1.56	NO	16.579	16.579
5 1,2,3,7,8-PeCDF	30.15	3.533e5	2.302e5	1.53	NO	155.64	155.64
6 Total Penta-Furans	30.43	1.350e5	8.627e4	1.57	NO	59.974	59.974
7 Total Penta-Furans	30.92	7.400e2	5.288e2	1.40	NO	0.34400	0.34388
8 Total Penta-Furans	31.02	1.741e3	1.055e3	1.65	NO	0.75800	0.75782
9 2,3,4,7,8-PeCDF	31.15	1.517e5	9.877e4	1.54	NO	65.887	65.887
10 Total Penta-Furans	31.18	4.870e4	3.066e4	1.59	NO	21.515	21.515
11 Total Penta-Furans	32.08	8.575e3	5.847e3	1.47	NO	3.9090	3.9089



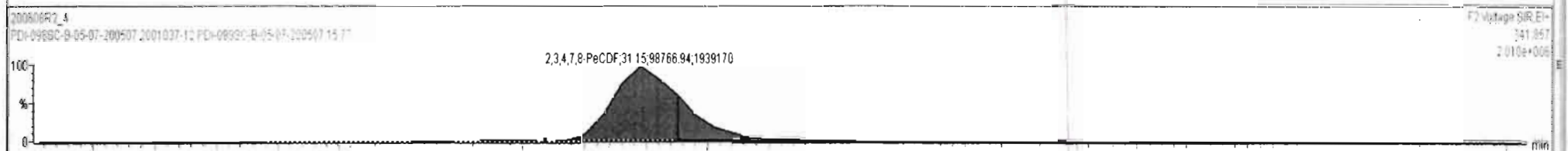
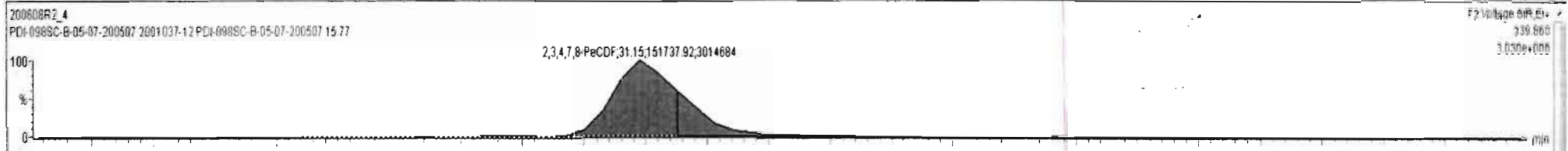
Name	Resp	RA	n/y	RFF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413		0.341	413

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	4.115e3	2.347e3	1.75	NO	1.7515	1.7515
2 Total Penta-Furans	29.16	1.820e5	1.160e5	1.57	NO	80.771	80.771
3 Total Penta-Furans	29.76	1.192e4	8.131e3	1.47	NO	5.4333	5.4333
4 Total Penta-Furans	29.97	3.729e4	2.388e4	1.56	NO	16.579	16.579
5 1,2,3,7,8-PeCDF	30.15	3.533e5	2.302e5	1.53	NO	155.64	155.64
6 Total Penta-Furans	30.43	1.350e5	8.627e4	1.57	NO	59.974	59.974
7 Total Penta-Furans	30.92	7.400e2	5.288e2	1.40	NO	0.34388	0.34388
8 Total Penta-Furans	31.02	1.741e3	1.055e3	1.65	NO	0.75782	0.75782
9 2,3,4,7,8-PeCDF	31.15	1.517e5	9.877e4	1.54	NO	65.887	65.887
10 Total Penta-Furans	31.18	4.870e4	3.068e4	1.59	NO	21.515	21.515
11 Total Penta-Furans	32.08	8.575e3	5.847e3	1.47	NO	3.9089	3.9089



Name	Resp	RA	n/y	RRF	wtAol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413		0.341	413

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.02	4.115e3	2.347e3	1.75	NO	1.7515	1.7515
2 Total Penta-Furans	29.16	1.820e5	1.160e5	1.57	NO	80.771	80.771
3 Total Penta-Furans	29.76	1.192e4	8.131e3	1.47	NO	5.4333	5.4333
4 Total Penta-Furans	29.97	3.729e4	2.388e4	1.56	NO	16.579	16.579
5 1,2,3,7,8-PeCDF	30.15	3.533e5	2.302e5	1.53	NO	155.64	155.64
6 Total Penta-Furans	30.43	1.350e5	8.627e4	1.57	NO	59.974	59.974
7 Total Penta-Furans	30.92	7.400e2	5.288e2	1.40	NO	0.34388	0.34388
8 Total Penta-Furans	31.02	1.741e3	1.055e3	1.65	NO	0.75782	0.75782
9 2,3,4,7,8-PeCDF	31.15	1.517e5	9.877e4	1.54	NO	65.887	65.887
10 Total Penta-Furans	31.18	4.870e4	3.068e4	1.59	NO	21.515	21.515
11 Total Penta-Furans	32.08	8.575e3	5.847e3	1.47	NO	3.9089	3.9089



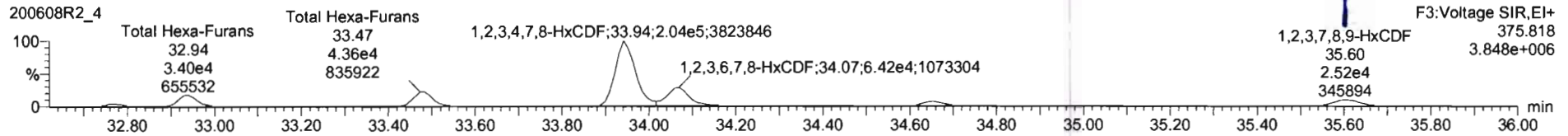
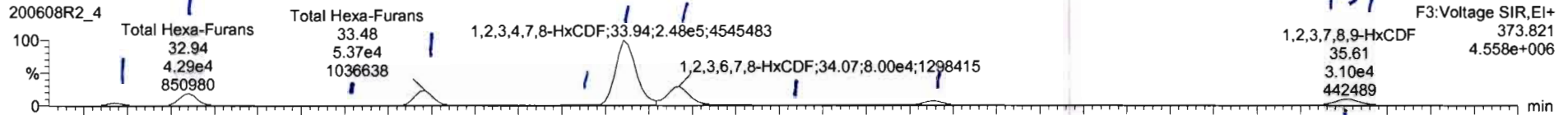
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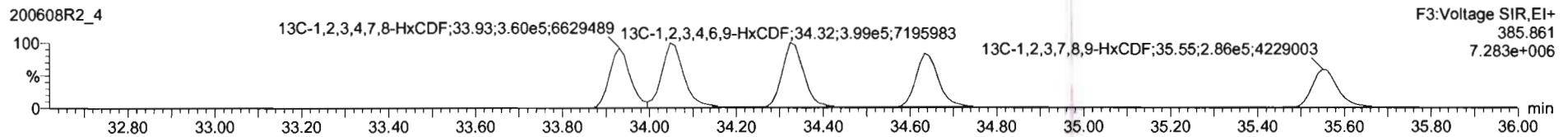
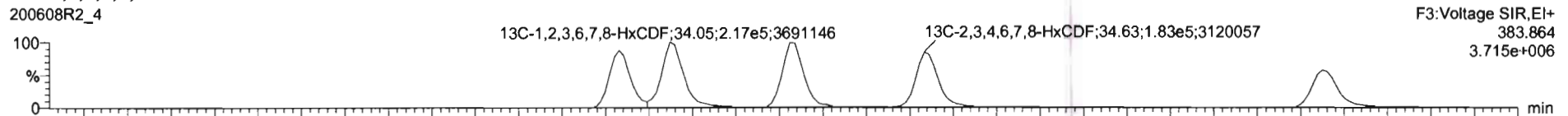
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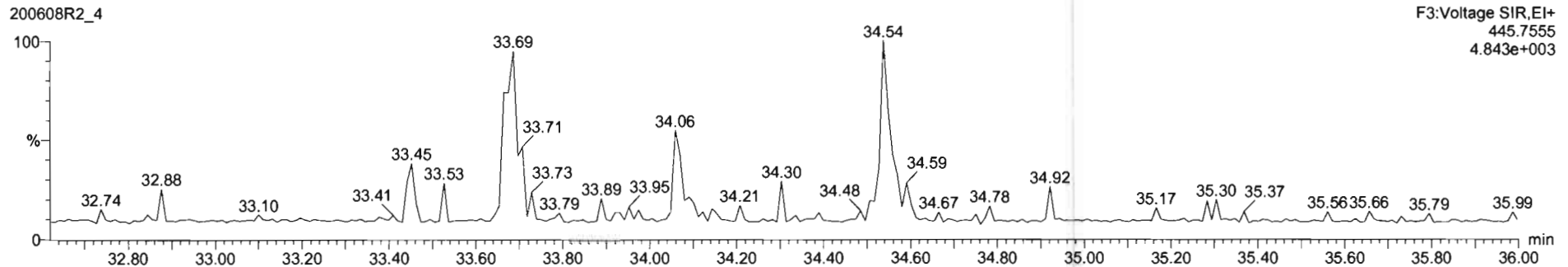
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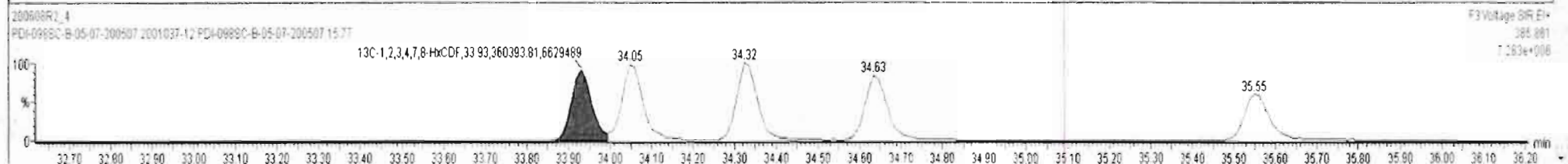
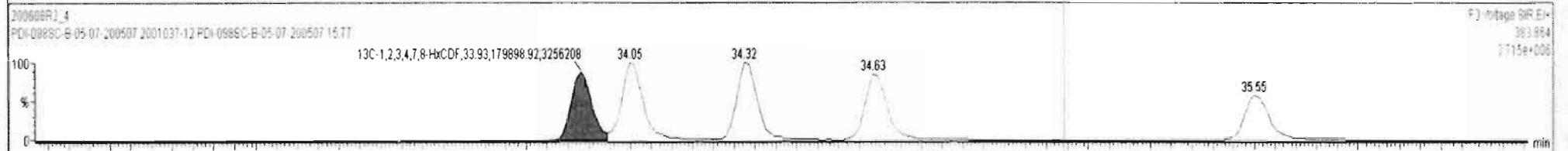
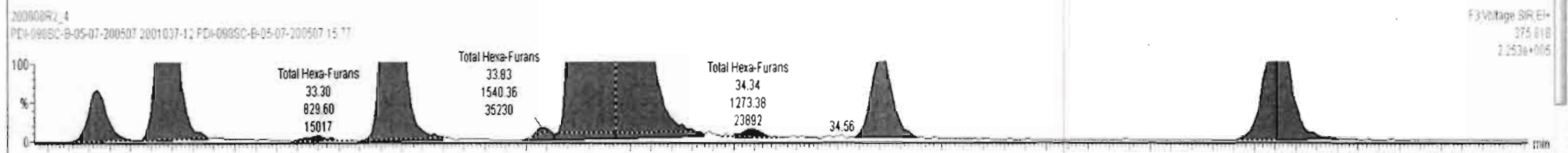
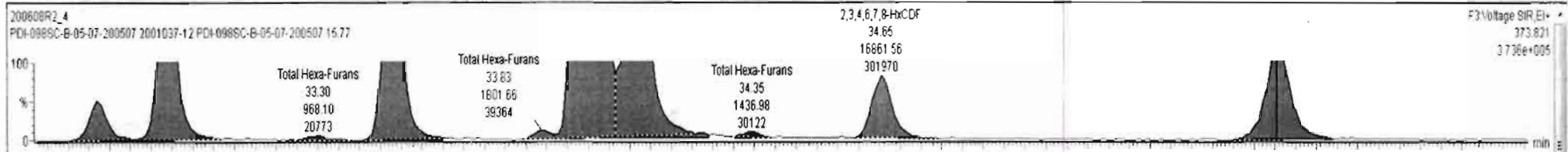


DPE3



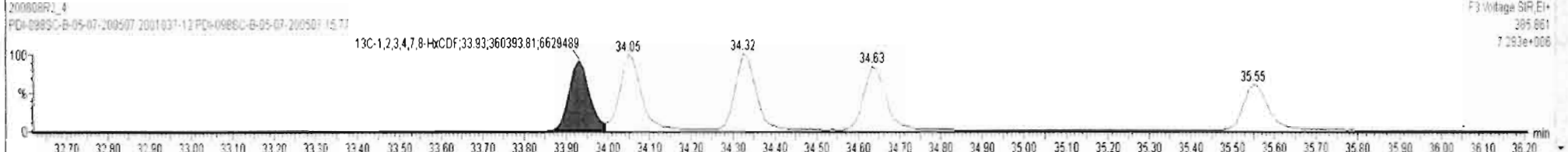
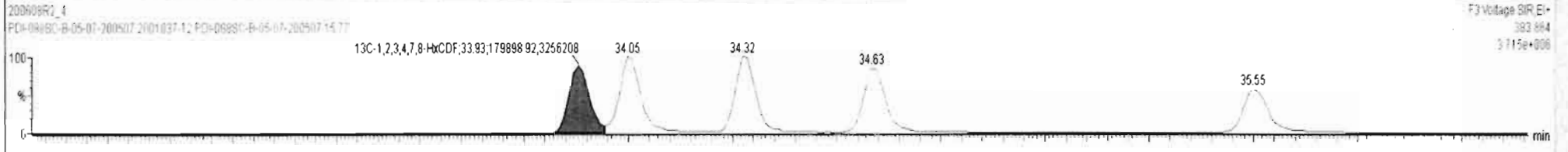
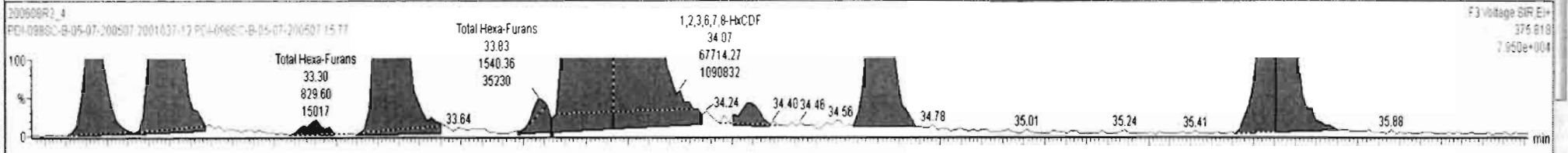
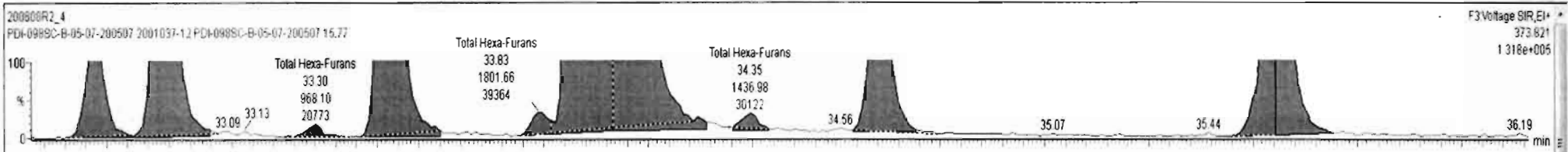
Name	Resp	RA	nly	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413		0.341	413

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.77	9.479e3	7.595e3	1.25	NO	6.7790	6.7790
2 Total Hexa-Furans	32.94	4.328e4	3.460e4	1.25	NO	30.922	30.922
3 Total Hexa-Furans	33.30	9.681e2	8.296e2	1.17	NO	0.71377	0.71377
4 Total Hexa-Furans	33.48	5.455e4	4.452e4	1.23	NO	39.336	39.336
5 Total Hexa-Furans	33.83	1.602e3	1.540e3	1.17	NO	1.3269	1.3269
6 1,2,3,4,7,8-HxCDF	33.94	2.483e5	2.063e5	1.20	NO	190.26	190.26
7 1,2,3,6,7,8-HxCDF	34.07	8.267e4	6.771e4	1.22	NO	53.159	53.159
8 Total Hexa-Furans	34.35	1.437e3	1.273e3	1.13	NO	1.0761	1.0761
9 2,3,4,6,7,8-HxCDF	34.65	1.686e4	1.400e4	1.20	NO	12.163	12.163
10 1,2,3,7,8,9-HxCDF	35.60	1.353e4	1.163e4	1.16	NO	13.225	13.225
11 Total Hexa-Furans	35.61	1.773e4	1.369e4	1.30	NO	12.477	12.477



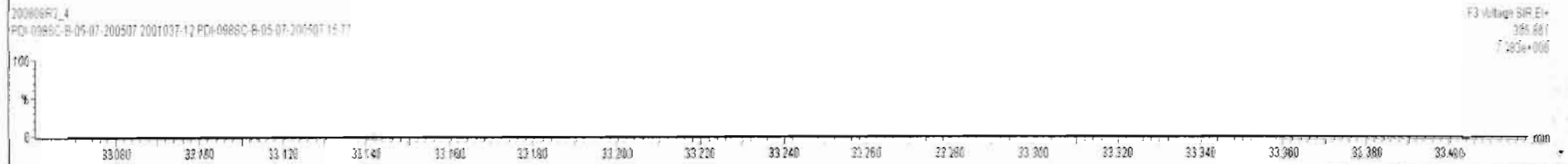
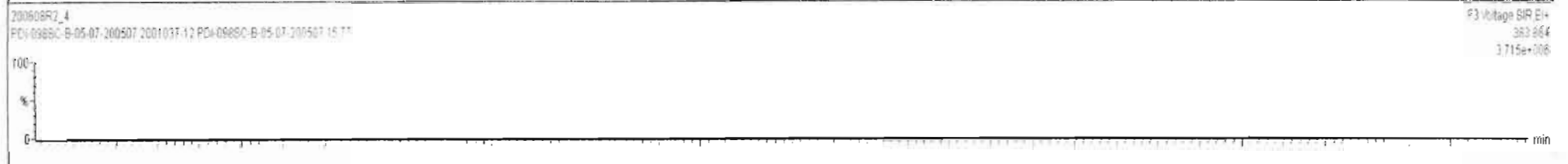
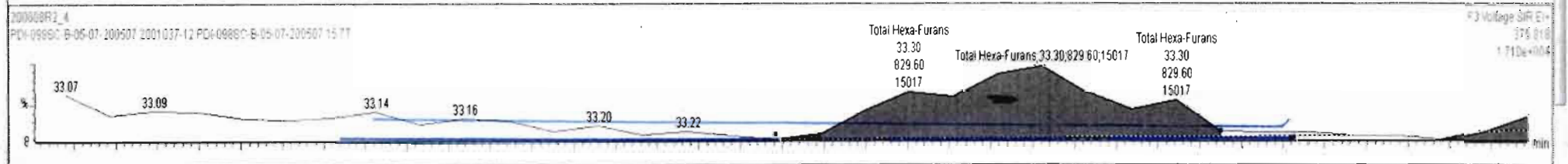
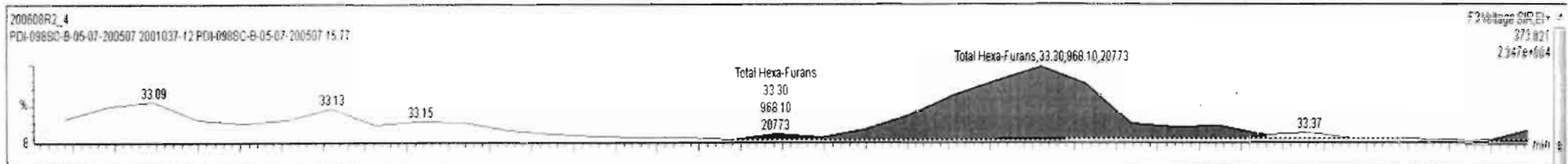
Name	Resp	RA	nLy	RRF	wtVol	RT	RR1	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413		0.341	413

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Hexa-Furans	32.77	9.479e3	7.595e3	1.25	NO	6.7790	6.7790
2 Total Hexa-Furans	32.94	4.328e4	3.460e4	1.25	NO	30.922	30.922
3 Total Hexa-Furans	33.30	9.681e2	8.286e2	1.17	NO	0.71377	0.71377
4 Total Hexa-Furans	33.48	5.455e4	4.452e4	1.23	NO	39.336	39.336
5 Total Hexa-Furans	33.83	1.802e3	1.540e3	1.17	NO	1.3269	1.3269
6 1,2,3,4,7,8-HxCDF	33.94	2.483e5	2.063e5	1.20	NO	190.26	190.26
7 1,2,3,6,7,8-HxCDF	34.07	8.267e4	6.771e4	1.22	NO	53.159	53.159
8 Total Hexa-Furans	34.35	1.437e3	1.273e3	1.13	NO	1.0761	1.0761
9 2,3,4,6,7,8-HxCDF	34.65	1.688e4	1.400e4	1.20	NO	12.163	12.163
10 1,2,3,7,8,9-HxCDF	35.60	1.353e4	1.163e4	1.16	NO	13.225	13.225
11 Total Hexa-Furans	35.61	1.773e4	1.363e4	1.30	NO	12.477	12.477



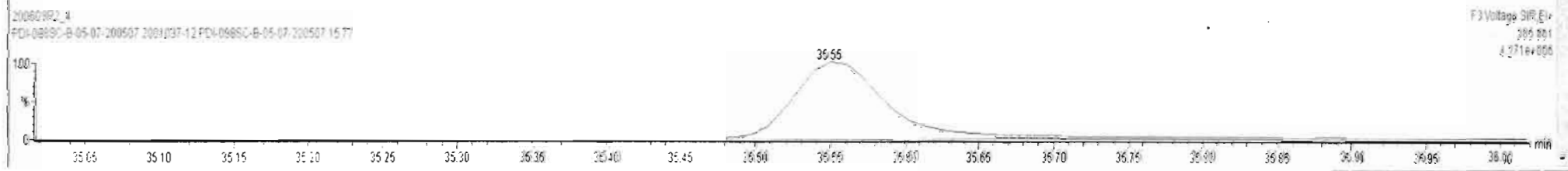
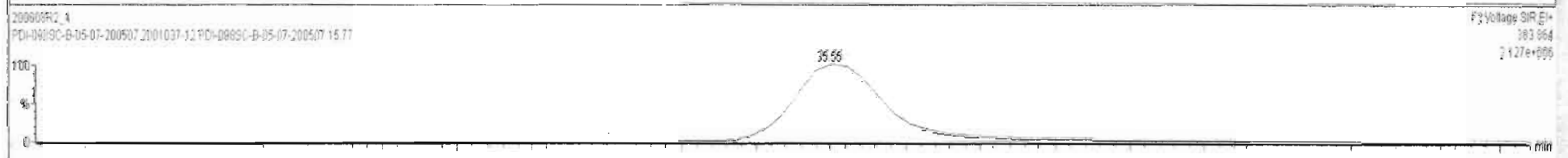
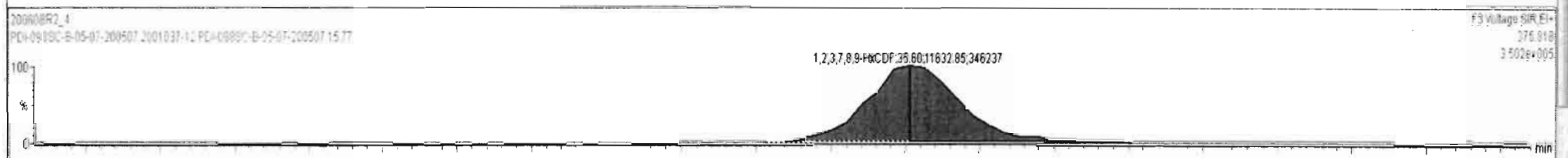
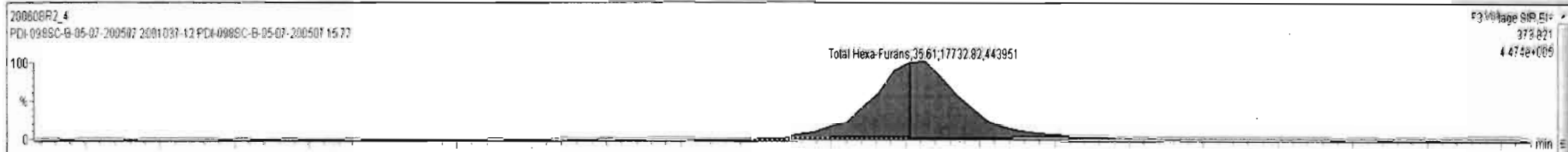
Name	Resp	RA	nY	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413		0.341	413

Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc
1 Total Hexa-Furans	32.77	9.479e3	7.595e3	1.25	NO	6.7790	6.7790
2 Total Hexa-Furans	32.94	4.326e4	3.460e4	1.25	NO	30.922	30.922
3 Total Hexa-Furans	33.30	9.681e2	8.296e2	1.17	NO	0.71377	0.71377
4 Total Hexa-Furans	33.48	5.455e4	4.452e4	1.23	NO	39.336	39.336
5 Total Hexa-Furans	33.83	1.802e3	1.540e3	1.17	NO	1.3269	1.3269
6 1,2,3,4,7,8-HxCDF	33.94	2.483e5	2.063e5	1.20	NO	190.26	190.26
7 1,2,3,6,7,8-HxCDF	34.07	8.267e4	6.771e4	1.22	NO	53.159	53.159
8 Total Hexa-Furans	34.35	1.437e3	1.273e3	1.13	NO	1.0761	1.0761
9 2,3,4,6,7,8-HxCDF	34.65	1.688e4	1.400e4	1.20	NO	12.163	12.163
10 1,2,3,7,8,9-HxCDF	35.60	1.353e4	1.163e4	1.16	NO	13.225	13.225
11 Total Hexa-Furans	35.61	1.773e4	1.369e4	1.30	NO	12.477	12.477



Name	Resp	RA	n/y	RF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8825	10.000			413		0.341	413

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.77	9.139e3	7.402e3	1.23	NO	6.5677	6.5677
2 Total Hexa-Furans	32.94	4.292e4	3.397e4	1.26	NO	30.531	30.531
3 Total Hexa-Furans	33.30	9.955e2	8.378e2	1.19	NO	0.72792	0.72792
4 Total Hexa-Furans	33.48	5.366e4	4.380e4	1.23	NO	38.619	38.619
5 Total Hexa-Furans	33.83	1.686e3	4.538e2	3.72	YES	0.40057	0.00000
6 1,2,3,4,7,8-HxCDF	33.94	2.477e5	2.035e5	1.22	NO	188.83	188.83
7 1,2,3,6,7,8-HxCDF	34.07	8.001e4	6.417e4	1.25	NO	50.965	50.965
8 Total Hexa-Furans	34.35	1.137e3	1.290e3	0.88	YES	0.81587	0.00000
9 2,3,4,6,7,8-HxCDF	34.65	1.708e4	1.403e4	1.22	NO	12.251	12.251
10 1,2,3,7,8,9-HxCDF	35.60	1.353e4	1.163e4	1.16	NO	13.225	13.225
11 Total Hexa-Furans	35.61	1.773e4	1.369e4	1.30	NO	12.477	12.477

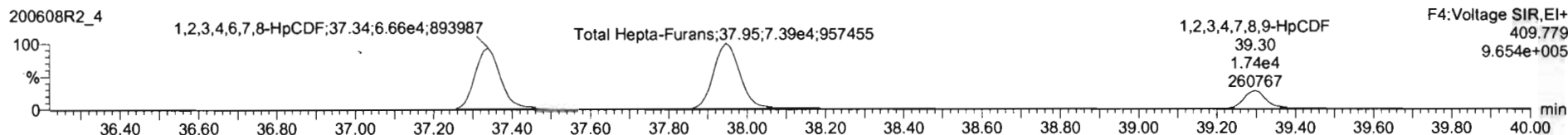
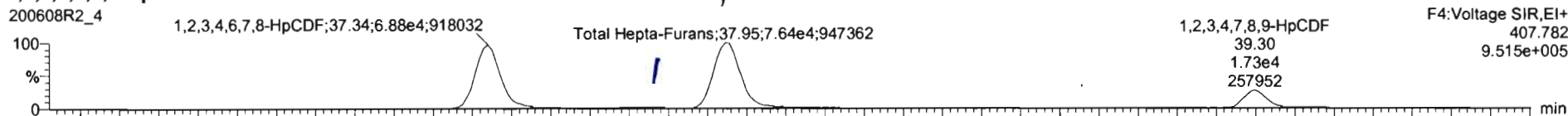


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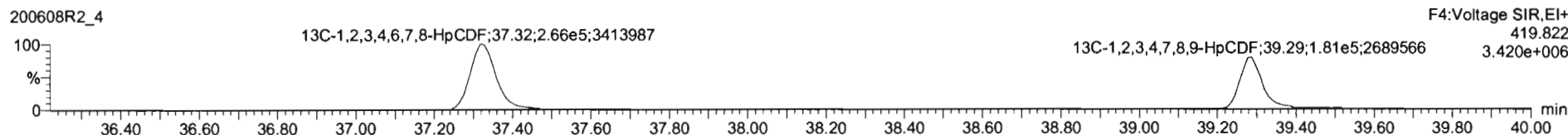
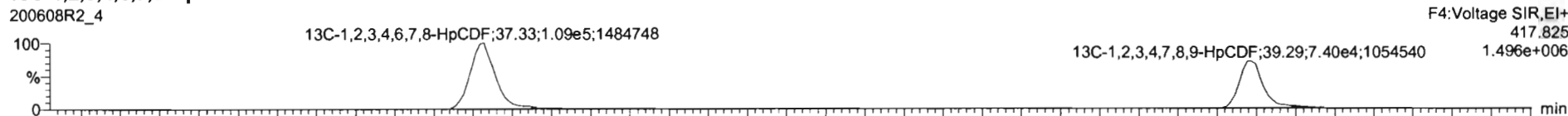
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Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

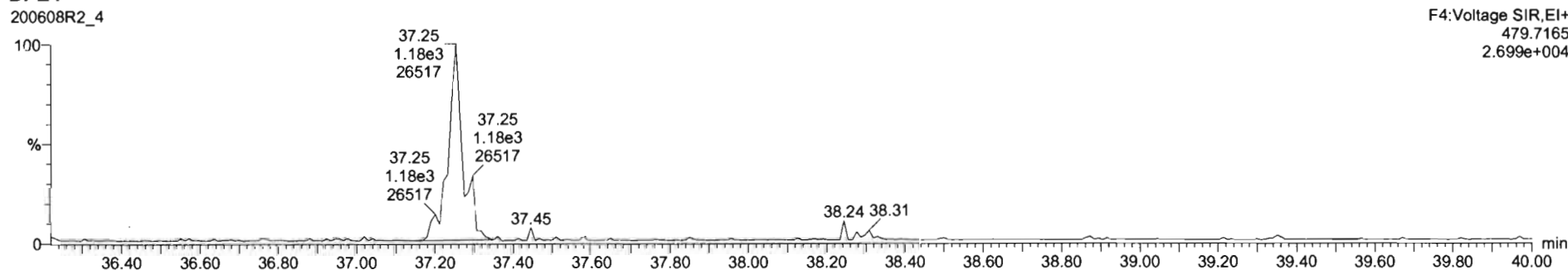
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13C-1,2,3,4,6,7,8-HpCDF

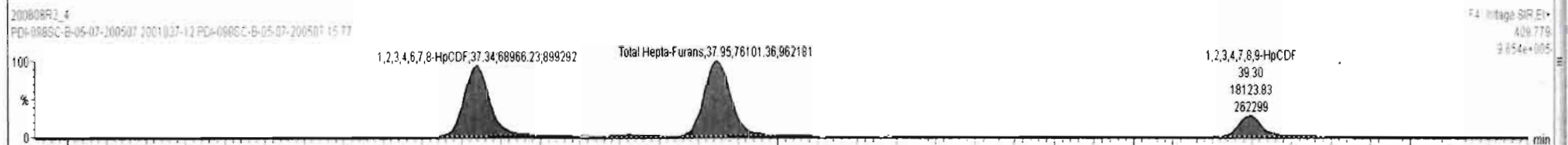
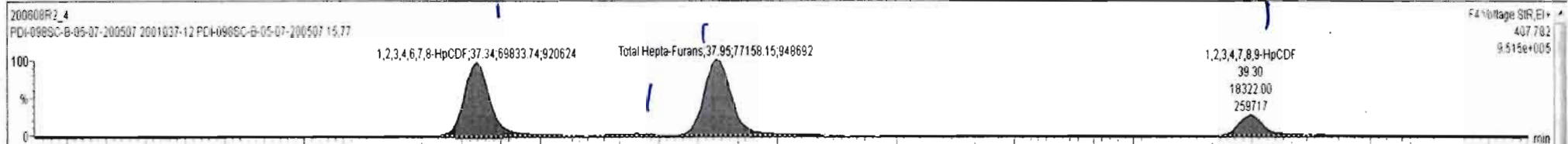


DPE4



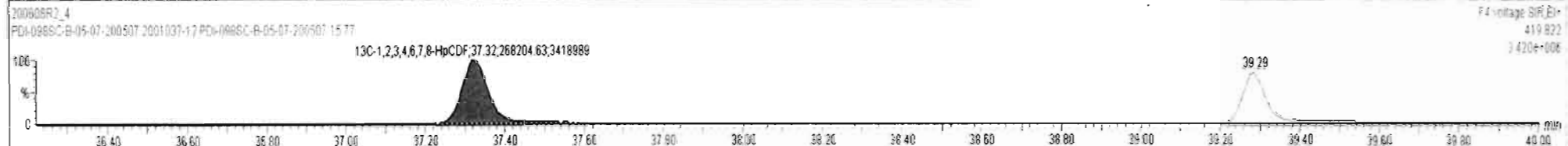
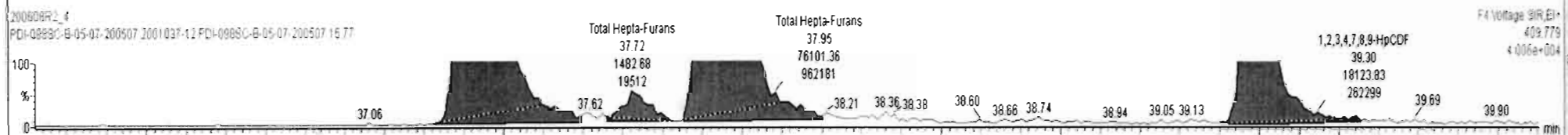
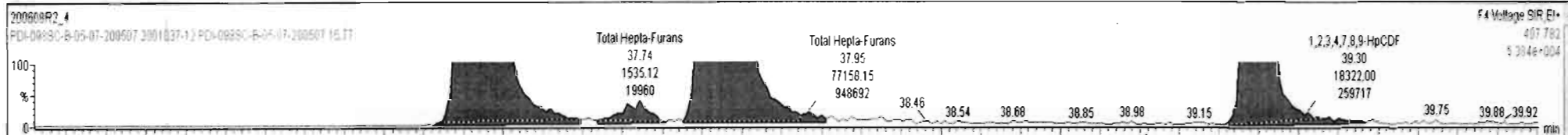
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
47 Total Hepta-Furans				0.8734	10.000			224		0.732	224

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.34	6.983e4	6.897e4	1.01	NO	83.336	83.336
2 Total Hepta-Furans	37.74	1.535e3	1.483e3	1.04	NO	2.1703	2.1703
3 Total Hepta-Furans	37.95	7.716e4	7.610e4	1.01	NO	110.22	110.22
4 1,2,3,4,7,8,9-HpCDF	39.30	1.832e4	1.812e4	1.01	NO	28.175	28.175



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.000			413	0.341	413	
46 Total Hexa-Furans				0.9341	10.000			361	0.482	361	
47 Total Hepta-Furans				0.8734	10.000			224	0.732	224	
48 PFK1											
49 PFK2											
50 PFK3											

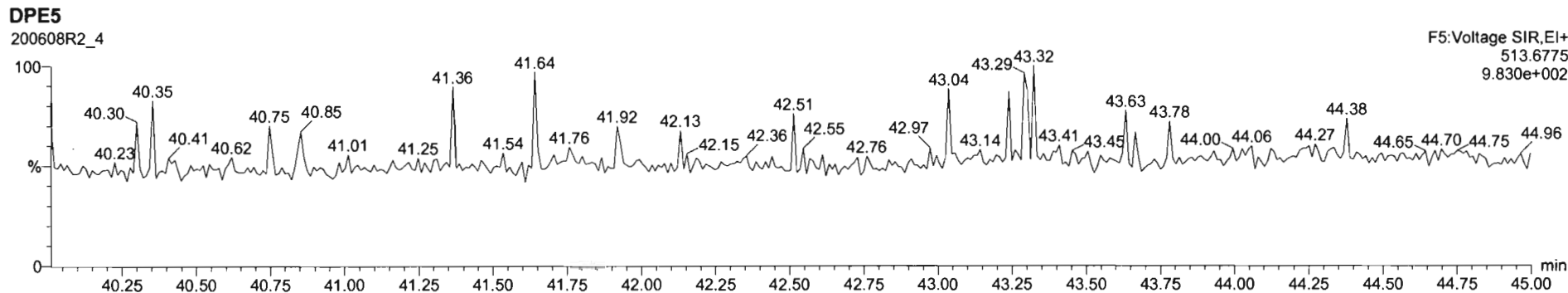
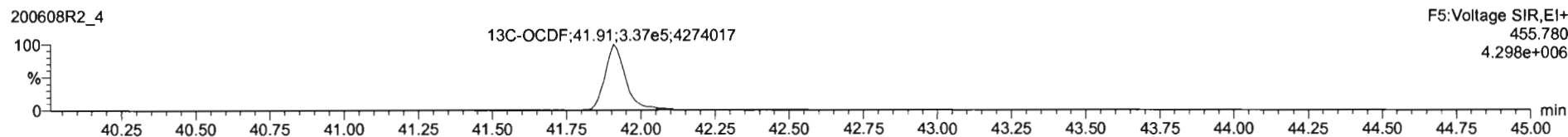
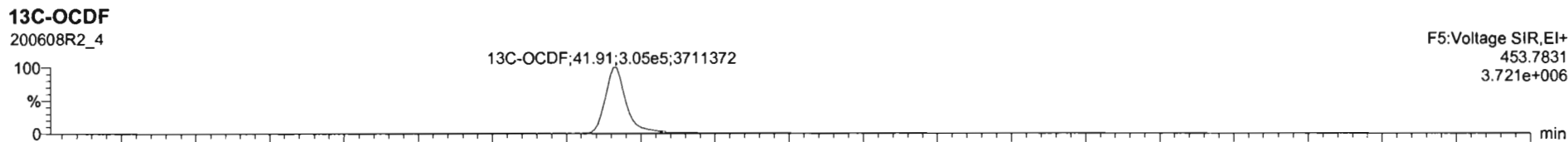
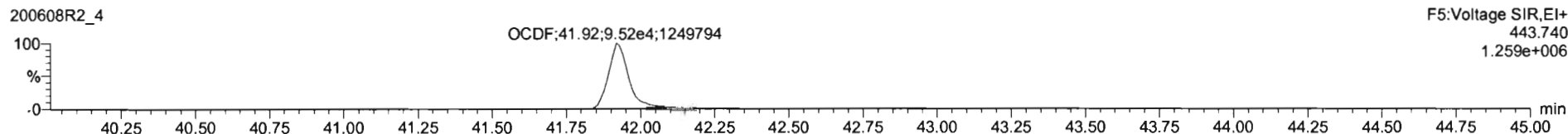
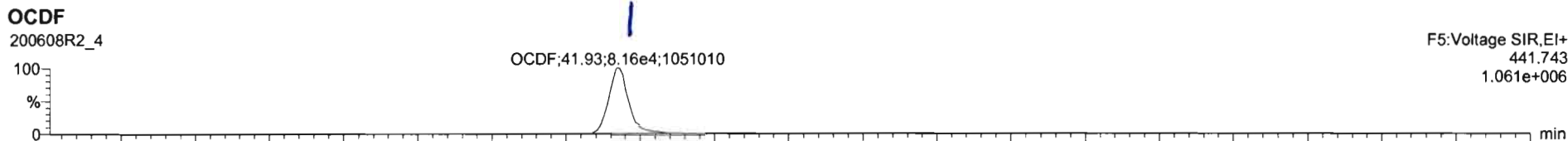
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.34	6.983e4	6.897e4	1.01	NO	83.336	83.336
2 Total Hepta-Furans	37.74	1.535e3	1.483e3	1.03	NO	2.1700	2.1703
3 Total Hepta-Furans	37.95	7.716e4	7.610e4	1.01	NO	110.22	110.22
4 1,2,3,4,7,8,9-HpCDF	39.30	1.832e4	1.812e4	1.01	NO	28.175	28.175



Dataset: Untitled

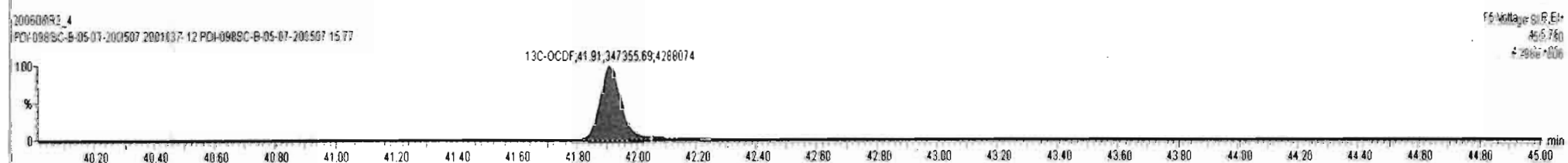
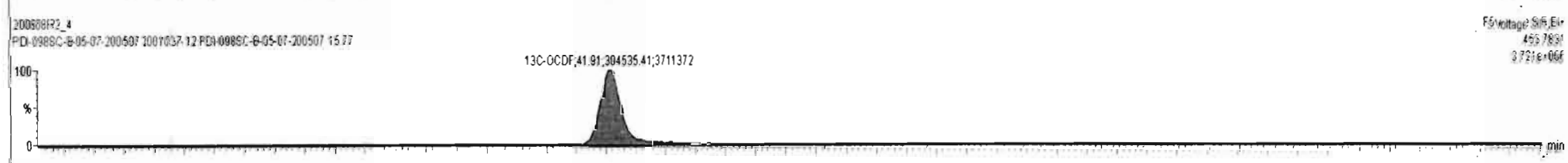
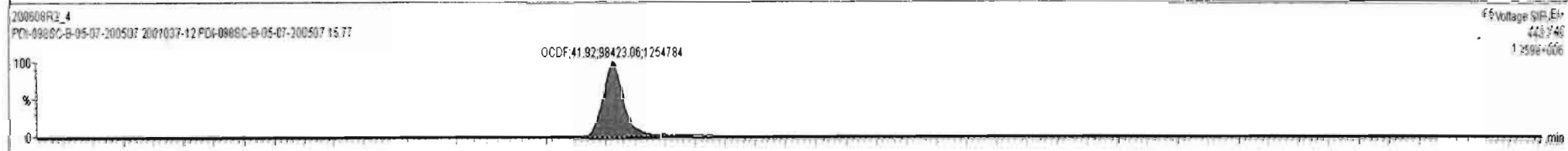
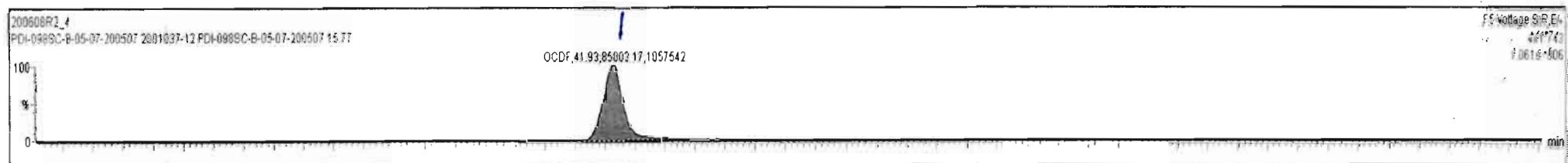
Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF	1.83e5	0.86	NO	0.8065	10.000	41.93	1.001	140	0.439	140

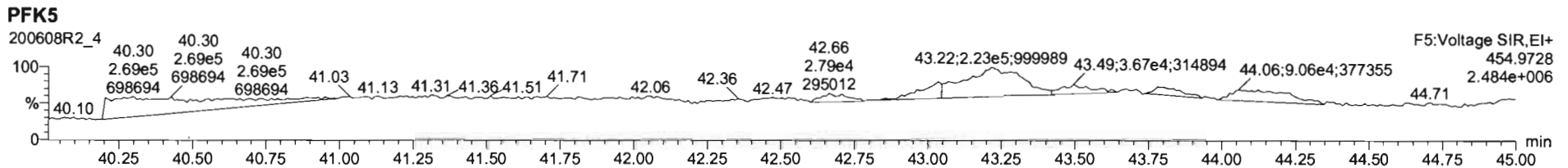
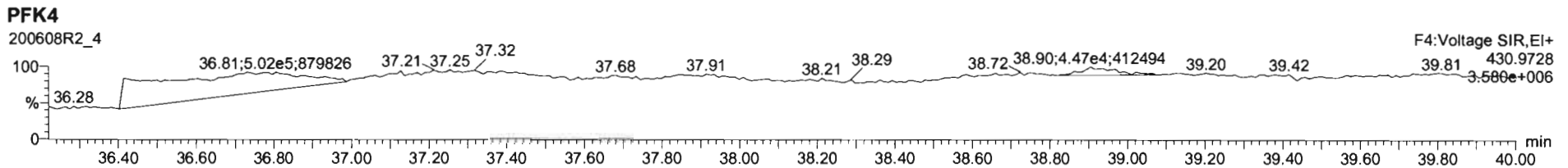
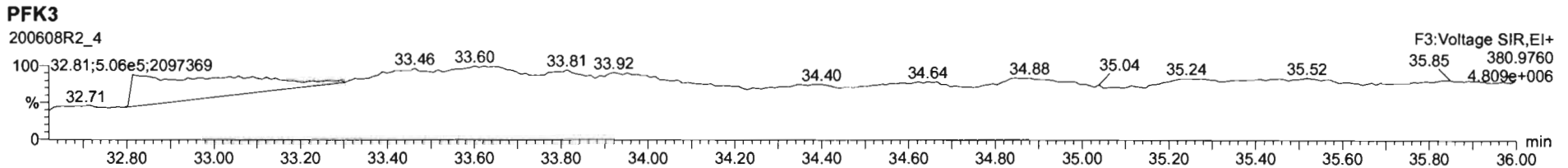
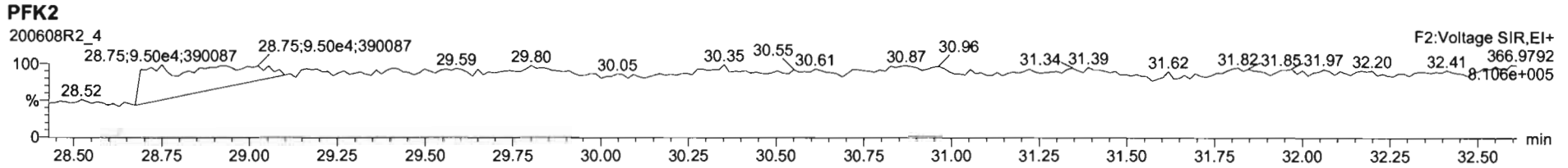
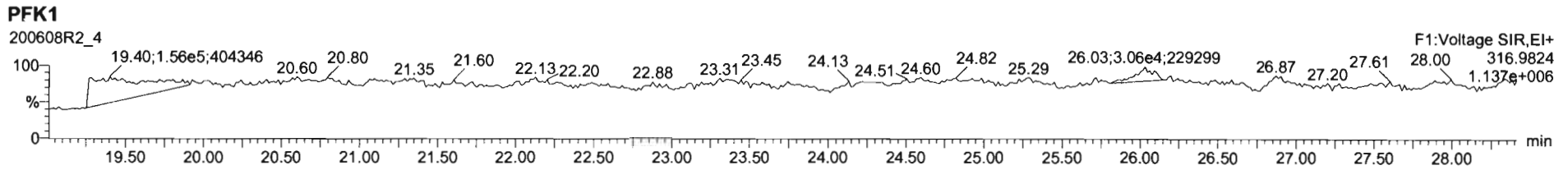
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_4, Date: 09-Jun-2020, Time: 02:31:48, ID: 2001037-12 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507



Dataset: U:\VG12.PRO\Results\200608R2\200608R2-5c.qld

Last Altered: Wednesday, June 24, 2020 17:24:27 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 17:34:36 Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3.12e3	0.70	NO	0.888	10.036	26.471	26.45	1.001	1.001	0.81180		0.102	0.812
2	2 1,2,3,7,8-PeCDD	2.44e3	0.54	NO	0.908	10.036	31.442	31.43	1.001	1.000	0.84994		0.164	0.850
3	3 1,2,3,4,7,8-HxCDD	2.46e3	1.36	NO	1.03	10.036	34.803	34.80	1.000	1.000	1.0637		0.263	1.06
4	4 1,2,3,6,7,8-HxCDD	1.13e4	1.24	NO	0.892	10.036	34.900	34.91	1.000	1.000	4.3894		0.268	4.39
5	5 1,2,3,7,8,9-HxCDD	5.10e3	1.24	NO	0.887	10.036	35.199	35.19	1.000	1.000	2.2857		0.305	2.29
6	6 1,2,3,4,6,7,8-HpCDD	2.16e5	1.03	NO	0.864	10.036	38.735	38.73	1.000	1.000	124.02		0.748	124
7	7 OCDD	2.60e6	0.88	NO	0.914	10.036	41.727	41.74	1.000	1.000	1642.2		1.19	1640
8	8 2,3,7,8-TCDF	8.39e5	0.77	NO	0.751	10.036	25.567	25.56	1.001	1.001	201.33	(165.24)	0.186	201
9	9 1,2,3,7,8-PeCDF	1.03e6	1.55	NO	0.893	10.036	30.159	30.14	1.001	1.000	230.56		0.452	231
10	10 2,3,4,7,8-PeCDF	4.65e5	1.53	NO	0.935	10.036	31.134	31.13	1.001	1.000	104.34		0.397	104
11	11 1,2,3,4,7,8-HxCDF	8.84e5	1.22	NO	0.884	10.036	33.920	33.93	1.000	1.000	312.46		0.403	312
12	12 1,2,3,6,7,8-HxCDF	2.79e5	1.23	NO	0.889	10.036	34.047	34.06	1.000	1.001	85.308		0.386	85.3
13	13 2,3,4,6,7,8-HxCDF	6.02e4	1.19	NO	0.934	10.036	34.658	34.64	1.001	1.001	19.731		0.425	19.7
14	14 1,2,3,7,8,9-HxCDF	4.29e4	1.16	NO	0.871	10.036	35.539	35.59	1.000	1.001	17.675		0.599	17.7
15	15 1,2,3,4,6,7,8-HpCDF	2.73e5	1.00	NO	0.873	10.036	37.355	37.33	1.001	1.000	126.87		0.644	127
16	16 1,2,3,4,7,8,9-HpCDF	7.13e4	1.01	NO	1.01	10.036	39.267	39.28	1.000	1.000	43.578		0.767	43.6
17	17 OCDF	3.31e5	0.90	NO	0.806	10.036	41.918	41.93	1.000	1.000	207.56		0.511	208
18	18 13C-2,3,7,8-TCDD	8.61e5	0.76	NO	1.16	10.036	26.461	26.44	1.026	1.026	198.20	99.5	0.201	
19	19 13C-1,2,3,7,8-PeCDD	6.29e5	0.65	NO	0.849	10.036	31.637	31.42	1.227	1.219	197.18	98.9	0.327	
20	20 13C-1,2,3,4,7,8-HxCDD	4.46e5	1.27	NO	0.779	10.036	34.809	34.79	1.014	1.014	177.19	88.9	0.558	
21	21 13C-1,2,3,6,7,8-HxCDD	5.76e5	1.28	NO	1.02	10.036	34.922	34.90	1.017	1.017	175.41	88.0	0.428	
22	22 13C-1,2,3,7,8,9-HxCDD	5.02e5	1.25	NO	0.903	10.036	35.193	35.19	1.025	1.025	172.01	86.3	0.482	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.01e5	1.06	NO	0.689	10.036	38.715	38.72	1.128	1.128	180.07	90.4	0.592	
24	24 13C-OCDD	6.90e5	0.90	NO	0.652	10.036	41.736	41.73	1.216	1.216	327.65	82.2	0.579	
25	25 13C-2,3,7,8-TCDF	1.11e6	0.79	NO	1.06	10.036	25.504	25.54	0.989	0.991	183.59	92.1	0.363	
26	26 13C-1,2,3,7,8-PeCDF	1.00e6	1.60	NO	0.838	10.036	30.023	30.14	1.165	1.169	210.07	105	0.717	
27	27 13C-2,3,4,7,8-PeCDF	9.50e5	1.59	NO	0.817	10.036	30.975	31.11	1.202	1.207	204.53	103	0.736	
28	28 13C-1,2,3,4,7,8-HxCDF	6.38e5	0.51	NO	1.01	10.036	33.941	33.92	0.989	0.988	195.93	98.3	0.648	
29	29 13C-1,2,3,6,7,8-HxCDF	7.34e5	0.51	NO	1.17	10.036	34.064	34.04	0.992	0.992	194.57	97.6	0.559	
30	30 13C-2,3,4,6,7,8-HxCDF	6.51e5	0.51	NO	1.02	10.036	34.637	34.62	1.009	1.009	197.24	99.0	0.639	

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-5c.qld

Last Altered: Wednesday, June 24, 2020 17:24:27 Pacific Daylight Time

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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	5.56e5	0.51	NO	0.860	10.036	35.537	35.54	1.035	1.035	200.12	100	0.759	
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.91e5	0.43	NO	0.774	10.036	37.284	37.32	1.086	1.087	196.06	98.4	0.709	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.22e5	0.44	NO	0.521	10.036	39.312	39.27	1.145	1.144	191.19	95.9	1.05	
34	34 13C-OCDF	7.89e5	0.91	NO	0.746	10.036	41.907	41.92	1.221	1.221	327.50	82.2	0.567	
35	35 37Cl-2,3,7,8-TCDD	3.20e5			1.04	10.036	26.492	26.45	1.028	1.026	82.102	103	0.0852	
36	36 13C-1,2,3,4-TCDD	7.49e5	0.81	NO	1.00	10.036	25.890	25.78	1.000	1.000	199.28	100	0.232	
37	37 13C-1,2,3,4-TCDF	1.13e6	0.79	NO	1.00	10.036	24.360	24.09	1.000	1.000	199.28	100	0.385	
38	38 13C-1,2,3,4,6,9-HxCDF	6.44e5	0.50	NO	1.00	10.036	34.420	34.33	1.000	1.000	199.28	100	0.653	
39	39 Total Tetra-Dioxins				0.888	10.036	24.620		0.000		9.4022		0.102	9.40
40	40 Total Penta-Dioxins				0.908	10.036	29.960		0.000		10.875		0.164	11.2
41	41 Total Hexa-Dioxins				0.892	10.036	33.635		0.000		44.321		0.290	44.7
42	42 Total Hepta-Dioxins				0.864	10.036	37.640		0.000		297.98		0.748	298
43	43 Total Tetra-Furans				0.751	10.036	23.610		0.000		531.52		0.186	532
44	44 1st Func. Penta-Furans				0.893	10.036	27.580		0.000		31.325		0.0352	31.3
45	45 Total Penta-Furans				0.893	10.036	29.275		0.000		620.60		0.434	621
46	46 Total Hexa-Furans				0.934	10.036	33.555		0.000		569.64		0.427	570
47	47 Total Hepta-Furans				0.873	10.036	37.835		0.000		333.36		0.741	333

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Dataset: U:\VG12.PRO\Results\200608R2\200608R2-5c.qld

Last Altered: Wednesday, June 24, 2020 17:24:27 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 17:34:36 Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45

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

Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.43	6.764e4	9.482e4	6.628e3	8.459e3	0.78	NO	1.509e4	3.9309	3.9309	0.102
2	Total Tetra-Dioxins	22.83	1.691e4	2.338e4	1.558e3	2.223e3	0.70	NO	3.781e3	0.98515	0.98515	0.102
3	Total Tetra-Dioxins	23.35	8.511e3	1.337e4	7.510e2	9.569e2	0.78	NO	1.708e3	0.44502	0.44502	0.102
4	Total Tetra-Dioxins	24.24	5.897e3	9.334e3	5.918e2	8.032e2	0.74	NO	1.395e3	0.36349	0.36349	0.102
5	Total Tetra-Dioxins	24.51	9.408e3	1.148e4	9.425e2	1.156e3	0.82	NO	2.099e3	0.54680	0.54680	0.102
6	Total Tetra-Dioxins	24.73	1.323e4	1.445e4	9.631e2	1.210e3	0.80	NO	2.173e3	0.56628	0.56628	0.102
7	Total Tetra-Dioxins	24.93	4.193e3	5.802e3	2.943e2	3.725e2	0.79	NO	6.668e2	0.17374	0.17374	0.102
8	Total Tetra-Dioxins	25.20	4.689e3	8.146e3	3.312e2	4.574e2	0.72	NO	7.886e2	0.20546	0.20546	0.102
9	Total Tetra-Dioxins	25.38	5.768e3	8.025e3	4.332e2	5.686e2	0.76	NO	1.002e3	0.26102	0.26102	0.102
10	Total Tetra-Dioxins	25.76	3.413e3	5.616e3	3.680e2	4.178e2	0.88	NO	7.858e2	0.20475	0.20475	0.102
11	Total Tetra-Dioxins	26.18	1.343e4	1.693e4	1.136e3	1.493e3	0.76	NO	2.629e3	0.68493	0.68493	0.102
12	2,3,7,8-TCDD	26.45	1.582e4	2.674e4	1.280e3	1.836e3	0.70	NO	3.116e3	0.81180	0.81180	0.102
13	Total Tetra-Dioxins	26.80	5.008e3	7.187e3	3.694e2	4.857e2	0.76	NO	8.551e2	0.22280	0.22280	0.102

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.21	5.000e4	6.997e4	3.719e3	5.695e3	0.65	NO	9.414e3	3.2849	3.2849	0.164
2	Total Penta-Dioxins	29.70	1.843e4	2.629e4	8.628e2	1.407e3	0.61	NO	2.270e3	0.79200	0.79200	0.164
3	Total Penta-Dioxins	30.18	3.735e4	5.926e4	2.513e3	3.731e3	0.67	NO	6.244e3	2.1788	2.1788	0.164
4	Total Penta-Dioxins	30.35	1.677e4	3.200e4	9.363e2	1.638e3	0.57	NO	2.574e3	0.89825	0.89825	0.164
5	Total Penta-Dioxins	30.44	1.495e4	2.947e4	8.056e2	1.391e3	0.58	NO	2.196e3	0.76639	0.76639	0.164
6	Total Penta-Dioxins	30.67	1.551e4	3.236e4	1.539e3	2.624e3	0.59	NO	4.162e3	1.4524	1.4524	0.164
7	Total Penta-Dioxins	31.01	7.541e3	1.006e4	3.117e2	4.847e2	0.64	NO	7.965e2	0.27793	0.27793	0.164
8	1,2,3,7,8-PeCDD	31.43	1.568e4	2.806e4	8.519e2	1.584e3	0.54	NO	2.436e3	0.84994	0.84994	0.164
9	Total Penta-Dioxins	31.51	5.831e3	1.277e4	4.035e2	6.685e2	0.60	NO	1.072e3	0.37406	0.37406	0.164
10	Total Penta-Dioxins	31.82	8.316e3	8.446e3	4.013e2	5.093e2	0.79	YES	0.000e0	0.00000	0.28967	0.164

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Dataset: U:\VG12.PRO\Results\200608R2\200608R2-5c.qld

Last Altered: Wednesday, June 24, 2020 17:24:27 Pacific Daylight Time

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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.30	4.275e5	3.350e5	2.129e4	1.709e4	1.25	NO	3.838e4	16.877	16.877	0.290
2	Total Hexa-Dioxins	33.86	5.102e4	3.891e4	2.904e3	2.260e3	1.28	NO	5.164e3	2.2708	2.2708	0.290
3	Total Hexa-Dioxins	34.12	3.062e5	2.418e5	2.043e4	1.629e4	1.25	NO	3.673e4	16.150	16.150	0.290
4	Total Hexa-Dioxins	34.20	2.883e4	2.238e4	1.591e3	1.330e3	1.20	NO	2.920e3	1.2842	1.2842	0.290
5	1,2,3,4,7,8-HxCDD	34.80	2.510e4	2.140e4	1.416e3	1.044e3	1.36	NO	2.460e3	1.0637	1.0637	0.263
6	1,2,3,6,7,8-HxCDD	34.91	9.873e4	7.896e4	6.270e3	5.053e3	1.24	NO	1.132e4	4.3894	4.3894	0.268
7	Total Hexa-Dioxins	35.10	9.663e3	8.814e3	4.266e2	4.761e2	0.90	YES	0.000e0	0.00000	0.33885	0.290
8	1,2,3,7,8,9-HxCDD	35.19	4.950e4	3.751e4	2.829e3	2.274e3	1.24	NO	5.103e3	2.2857	2.2857	0.305

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	1.905e6	1.872e6	1.529e5	1.495e5	1.02	NO	3.023e5	173.96	173.96	0.748
2	1,2,3,4,6,7,8-HpCDD	38.73	1.498e6	1.445e6	1.095e5	1.060e5	1.03	NO	2.155e5	124.02	124.02	0.748

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-5c.qld

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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.32	1.320e4	2.125e4	1.191e3	1.696e3	0.70	NO	2.887e3	0.69244	0.69244	0.186
2	Total Tetra-Furans	20.83	4.433e4	5.385e4	3.608e3	4.880e3	0.74	NO	8.487e3	2.0358	2.0358	0.186
3	Total Tetra-Furans	21.42	3.312e5	4.732e5	3.097e4	4.282e4	0.72	NO	7.378e4	17.698	17.698	0.186
4	Total Tetra-Furans	22.01	7.563e4	9.090e4	1.069e4	1.388e4	0.77	NO	2.457e4	5.8942	5.8942	0.186
5	Total Tetra-Furans	22.38	7.043e5	9.536e5	7.237e4	9.564e4	0.76	NO	1.680e5	40.299	40.299	0.186
6	Total Tetra-Furans	22.89	2.231e5	3.114e5	2.230e4	2.944e4	0.76	NO	5.174e4	12.411	12.411	0.186
7	Total Tetra-Furans	23.06	1.784e4	2.287e4	1.589e3	2.046e3	0.78	NO	3.635e3	0.87199	0.87199	0.186
8	Total Tetra-Furans	23.24	1.151e5	1.427e5	1.029e4	1.335e4	0.77	NO	2.364e4	5.6709	5.6709	0.186
9	Total Tetra-Furans	23.68	2.574e4	3.494e4	2.099e3	2.607e3	0.80	NO	4.706e3	1.1287	1.1287	0.186
10	Total Tetra-Furans	23.83	1.559e4	2.139e4	1.436e3	1.726e3	0.83	NO	3.162e3	0.75856	0.75856	0.186
11	Total Tetra-Furans	24.00	1.378e5	1.821e5	7.948e3	1.065e4	0.75	NO	1.860e4	4.4612	4.4612	0.186
12	Total Tetra-Furans	24.09	3.039e5	4.023e5	2.939e4	3.887e4	0.76	NO	6.826e4	16.374	16.374	0.186
13	Total Tetra-Furans	24.61	3.845e6	5.166e6	3.180e5	4.242e5	0.75	NO	7.421e5	178.01	178.01	0.186
14	Total Tetra-Furans	24.91	1.218e5	1.562e5	1.180e4	1.499e4	0.79	NO	2.679e4	6.4271	6.4271	0.186
15	Total Tetra-Furans	25.11	1.654e4	1.791e4	1.652e3	1.904e3	0.87	NO	3.556e3	0.85299	0.85299	0.186
16	Total Tetra-Furans	25.33	4.587e4	5.339e4	2.642e3	3.461e3	0.76	NO	6.103e3	1.4640	1.4640	0.186
17	Total Tetra-Furans	25.45	3.906e5	5.228e5	2.064e4	2.874e4	0.72	NO	4.938e4	11.844	11.844	0.186
18	2,3,7,8-TCDF	25.56	4.577e6	6.046e6	3.642e5	4.751e5	0.77	NO	8.393e5	201.33	201.33	0.186
19	Total Tetra-Furans	25.93	1.467e5	1.979e5	1.207e4	1.579e4	0.76	NO	2.786e4	6.6828	6.6828	0.186
20	Total Tetra-Furans	26.18	2.687e4	3.242e4	1.823e3	2.410e3	0.76	NO	4.233e3	1.0153	1.0153	0.186
21	Total Tetra-Furans	26.99	2.088e4	1.208e4	1.162e3	6.958e2	1.67	YES	0.000e0	0.00000	0.29541	0.186
22	Total Tetra-Furans	27.13	4.668e3	6.606e3	3.285e2	3.774e2	0.87	NO	7.059e2	0.16932	0.16932	0.186
23	Total Tetra-Furans	27.26	9.629e3	9.411e3	6.062e2	5.649e2	1.07	YES	0.000e0	0.00000	0.23985	0.186
24	Total Tetra-Furans	27.58	4.331e5	5.285e5	2.979e4	3.455e4	0.86	NO	6.434e4	15.433	15.433	0.186

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	1.354e6	8.348e5	8.506e4	5.187e4	1.64	NO	1.369e5	31.325	31.325	0.0352

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-5c.qld

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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.01	1.323e5	8.043e4	7.433e3	4.882e3	1.52	NO	1.232e4	2.8173	2.8173	0.434
2	Total Penta-Furans	29.16	4.929e6	3.128e6	3.205e5	2.061e5	1.55	NO	5.266e5	120.47	120.47	0.434
3	Total Penta-Furans	29.74	2.206e5	1.233e5	1.838e4	1.208e4	1.52	NO	3.045e4	6.9671	6.9671	0.434
4	Total Penta-Furans	29.95	1.229e6	7.755e5	6.773e4	4.390e4	1.54	NO	1.116e5	25.538	25.538	0.434
5	1,2,3,7,8-PeCDF	30.14	1.025e7	6.859e6	6.288e5	4.055e5	1.55	NO	1.034e6	230.56	230.56	0.452
6	Total Penta-Furans	30.41	4.287e6	2.807e6	2.409e5	1.557e5	1.55	NO	3.966e5	90.728	90.728	0.434
7	Total Penta-Furans	30.90	2.211e4	1.144e4	1.024e3	5.848e2	1.75	NO	1.609e3	0.36800	0.36800	0.434
8	Total Penta-Furans	31.02	6.253e4	3.593e4	2.797e3	2.060e3	1.36	NO	4.857e3	1.1110	1.1110	0.434
9	2,3,4,7,8-PeCDF	31.13	5.419e6	3.542e6	2.809e5	1.842e5	1.53	NO	4.651e5	104.34	104.34	0.397
10	Total Penta-Furans	31.16	3.257e6	2.063e6	8.725e4	5.319e4	1.64	NO	1.404e5	32.128	32.128	0.434
11	Total Penta-Furans	32.06	2.796e5	1.687e5	1.503e4	9.366e3	1.60	NO	2.440e4	5.5812	5.5812	0.434

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.76	3.061e5	2.585e5	1.697e4	1.376e4	1.23	NO	3.073e4	10.171	10.171	0.427
2	Total Hexa-Furans	32.93	1.567e6	1.272e6	7.845e4	6.369e4	1.23	NO	1.421e5	47.047	47.047	0.427
3	Total Hexa-Furans	33.28	2.680e4	2.298e4	1.508e3	1.236e3	1.22	NO	2.744e3	0.90842	0.90842	0.427
4	Total Hexa-Furans	33.47	1.714e6	1.399e6	8.842e4	7.234e4	1.22	NO	1.608e5	53.214	53.214	0.427
5	Total Hexa-Furans	33.83	7.627e4	6.330e4	3.858e3	3.380e3	1.14	NO	7.238e3	2.3956	2.3956	0.427
6	1,2,3,4,7,8-HxCDF	33.93	8.578e6	7.128e6	4.854e5	3.990e5	1.22	NO	8.844e5	312.46	312.46	0.403
7	1,2,3,6,7,8-HxCDF	34.06	2.397e6	1.958e6	1.543e5	1.249e5	1.23	NO	2.792e5	85.308	85.308	0.386
8	Total Hexa-Furans	34.33	5.255e4	4.195e4	4.115e3	3.500e3	1.18	NO	7.615e3	2.5207	2.5207	0.427
9	2,3,4,6,7,8-HxCDF	34.64	5.292e5	4.474e5	3.274e4	2.748e4	1.19	NO	6.022e4	19.731	19.731	0.425
10	1,2,3,7,8,9-HxCDF	35.59	7.498e5	6.146e5	2.303e4	1.989e4	1.16	NO	4.291e4	17.675	17.675	0.599
11	Total Hexa-Furans	35.60	7.636e5	6.344e5	3.074e4	2.430e4	1.26	NO	5.503e4	18.216	18.216	0.427

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Dataset: U:\VG12.PRO\Results\200608R2\200608R2-5c.qld

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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.33	1.776e6	1.762e6	1.363e5	1.364e5	1.00	NO	2.728e5	126.87	126.87	0.644
2	Total Hepta-Furans	37.72	2.964e4	2.612e4	2.567e3	2.260e3	1.14	NO	4.827e3	2.7114	2.7114	0.741
3	Total Hepta-Furans	37.94	1.685e6	1.692e6	1.435e5	1.417e5	1.01	NO	2.852e5	160.19	160.19	0.741
4	1,2,3,4,7,8,9-HpCDF	39.28	5.241e5	5.254e5	3.583e4	3.545e4	1.01	NO	7.127e4	43.578	43.578	0.767

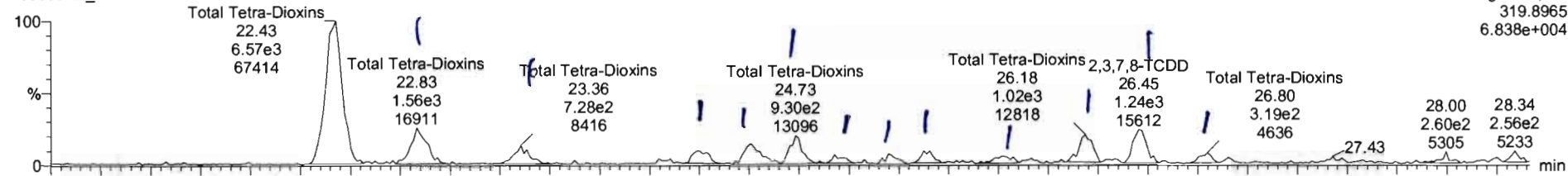
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Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

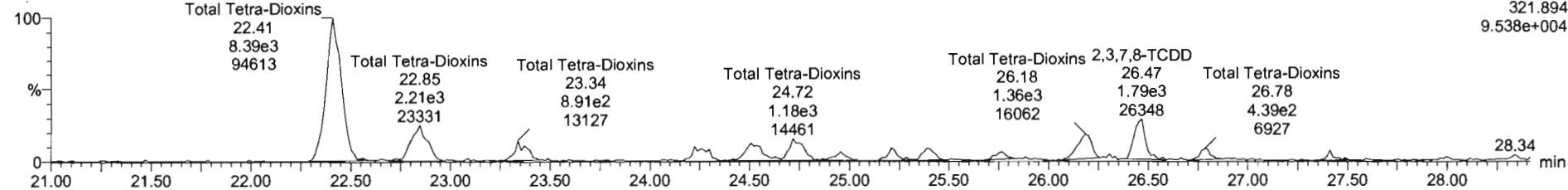
2,3,7,8-TCDD

200608R2_5



F1: Voltage SIR, EI+
319.8965
6.838e+004

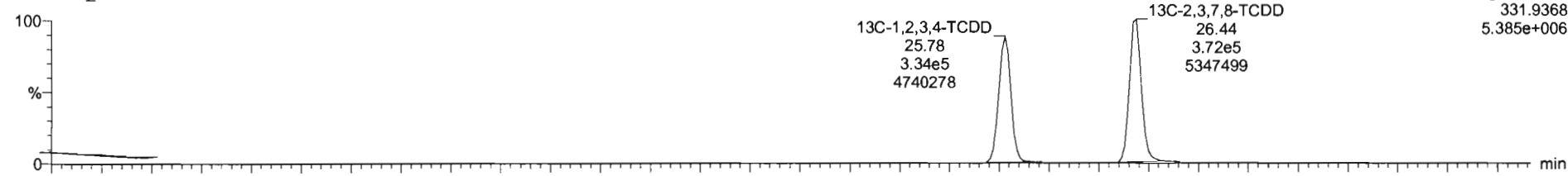
200608R2_5



F1: Voltage SIR, EI+
321.894
9.538e+004

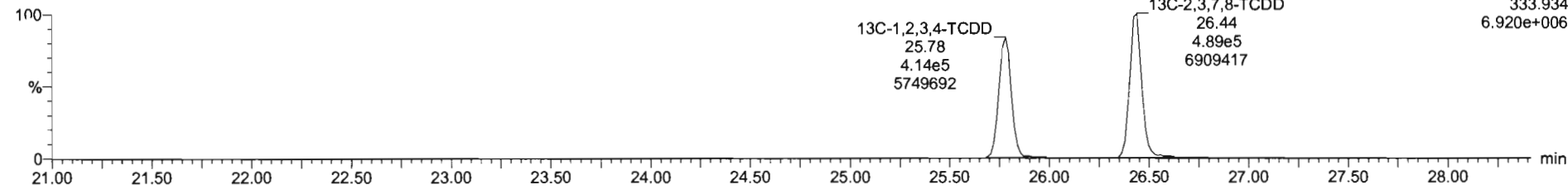
13C-2,3,7,8-TCDD

200608R2_5



F1: Voltage SIR, EI+
331.9368
5.385e+006

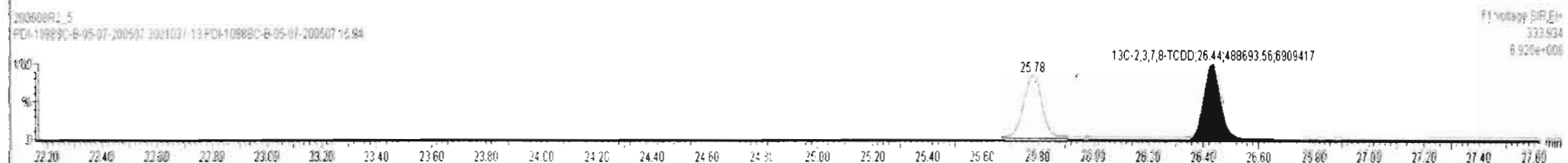
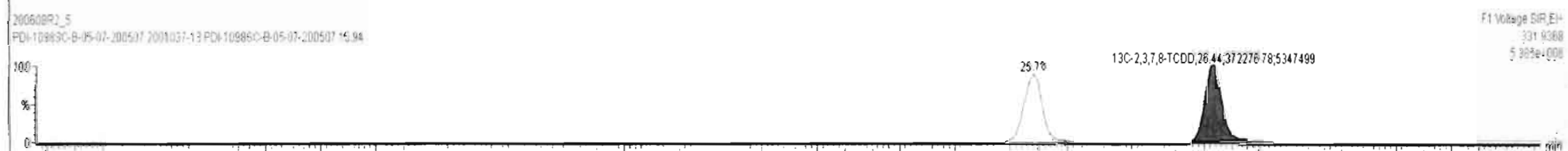
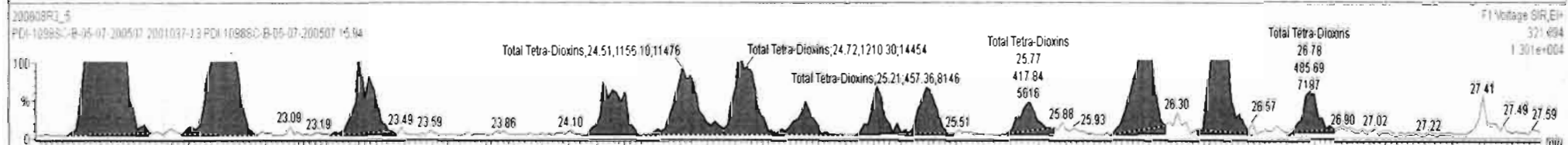
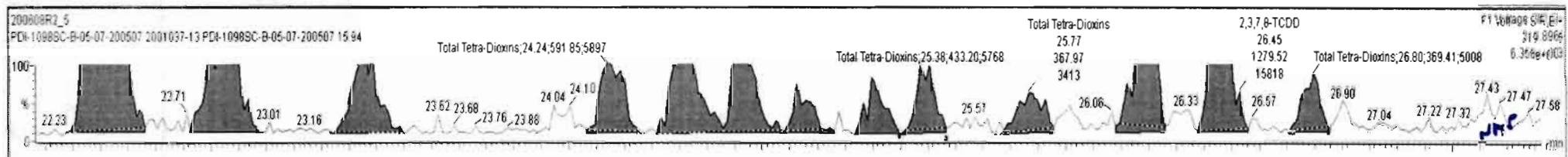
200608R2_5



F1: Voltage SIR, EI+
333.934
6.920e+006

Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8683	10.036			9.40		0.102	9.40

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.43	6.628e3	8.459e3	0.78	NO	3.9309	3.9309
2 Total Tetra-Dioxins	22.83	1.558e3	2.223e3	0.70	NO	0.98515	0.98515
3 Total Tetra-Dioxins	23.36	7.510e2	9.589e2	0.78	NO	0.44502	0.44502
4 Total Tetra-Dioxins	24.24	5.918e2	8.032e2	0.74	NO	0.36349	0.36349
5 Total Tetra-Dioxins	24.51	9.425e2	1.156e3	0.82	NO	0.54680	0.54680
6 Total Tetra-Dioxins	24.73	9.631e2	1.210e3	0.80	NO	0.56628	0.56628
7 Total Tetra-Dioxins	24.93	2.943e2	3.725e2	0.79	NO	0.17374	0.17374
8 Total Tetra-Dioxins	25.20	3.312e2	4.574e2	0.72	NO	0.20546	0.20546
9 Total Tetra-Dioxins	25.38	4.332e2	5.686e2	0.76	NO	0.26102	0.26102
10 Total Tetra-Dioxins	25.77	3.680e2	4.178e2	0.88	NO	0.20475	0.20475
11 Total Tetra-Dioxins	26.18	1.136e3	1.493e3	0.76	NO	0.68493	0.68493
12 2,3,7,8-TCDD	26.45	1.280e3	1.836e3	0.70	NO	0.81180	0.81180
13 Total Tetra-Dioxins	26.80	3.694e2	4.857e2	0.76	NO	0.22280	0.22280



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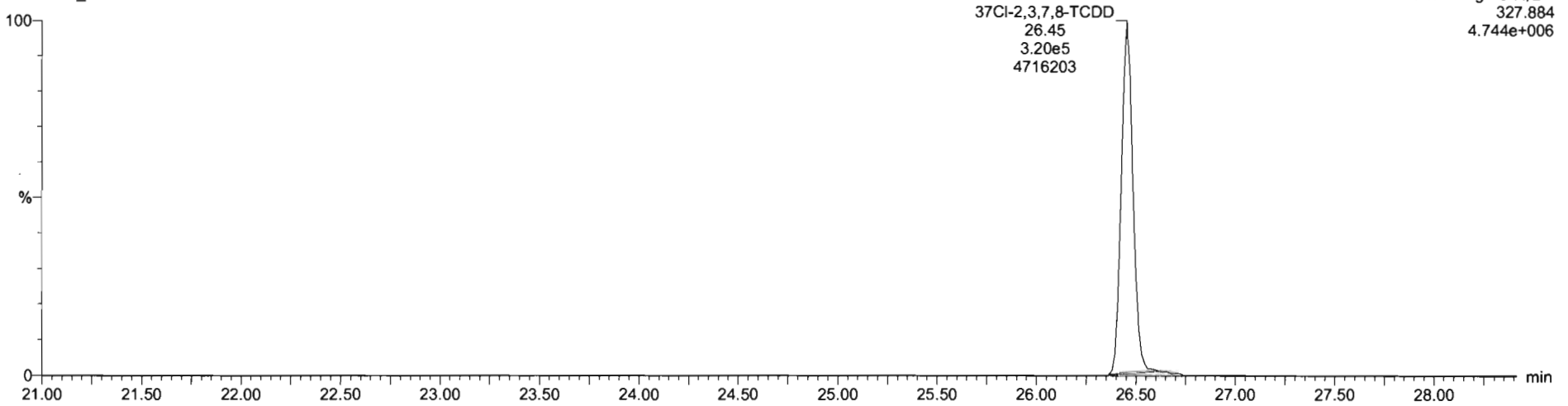
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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

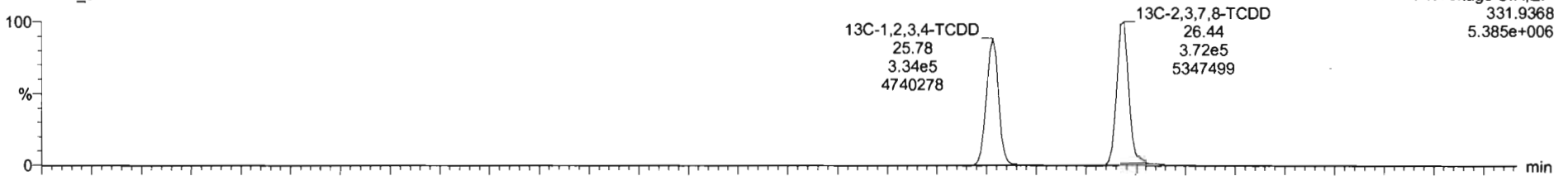
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200608R2_5

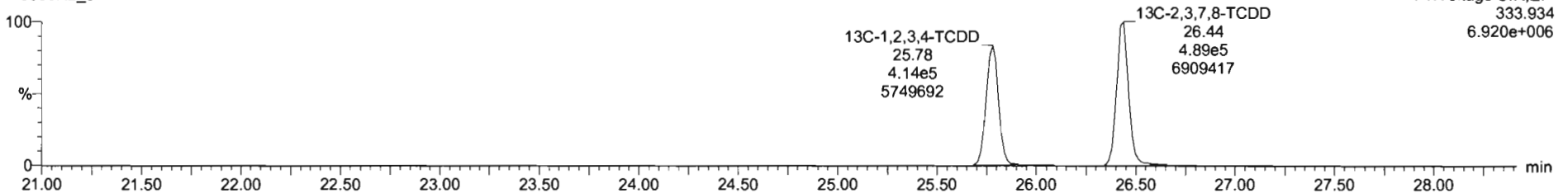


13C-1,2,3,4-TCDD

200608R2_5



200608R2_5



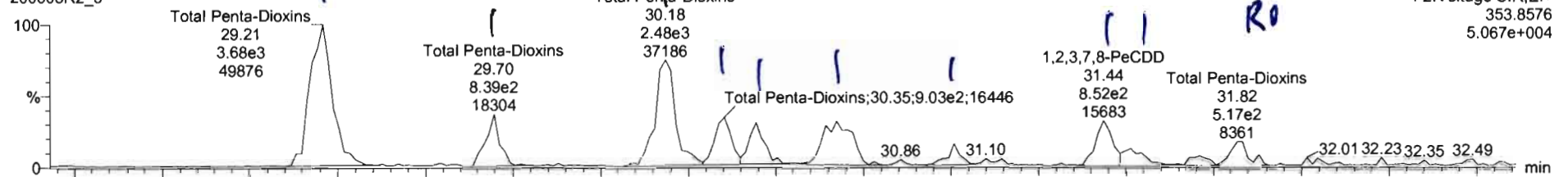
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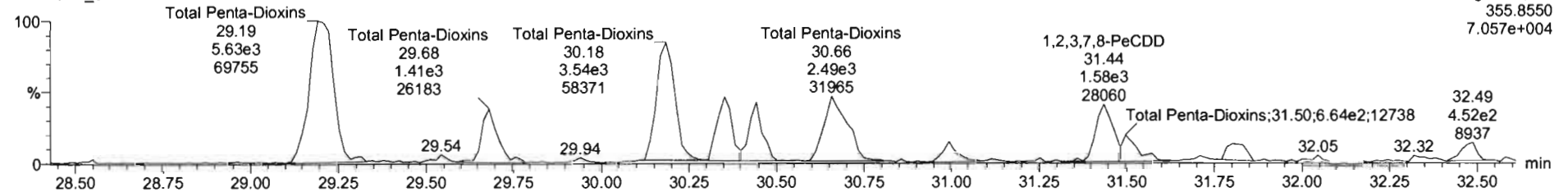
1,2,3,7,8-PeCDD

200608R2_5



F2:Voltage SIR,EI+
353.8576
5.067e+004

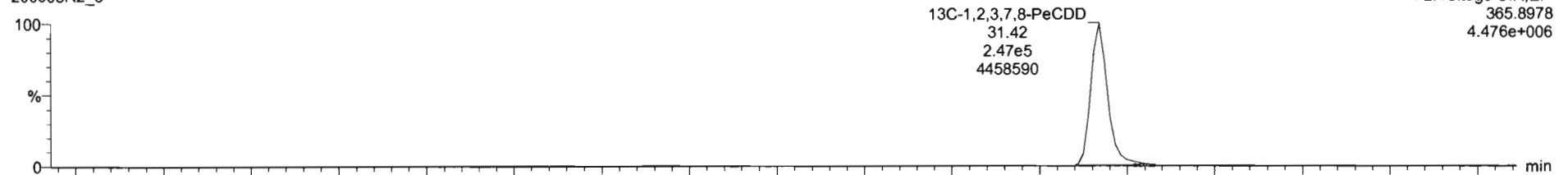
200608R2_5



F2:Voltage SIR,EI+
355.8550
7.057e+004

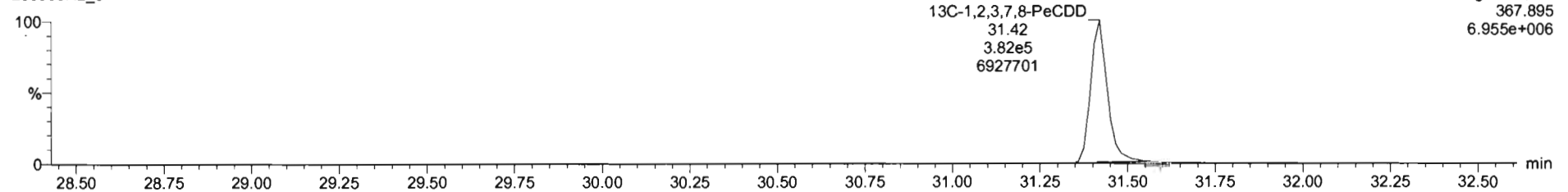
13C-1,2,3,7,8-PeCDD

200608R2_5



F2:Voltage SIR,EI+
365.8978
4.476e+006

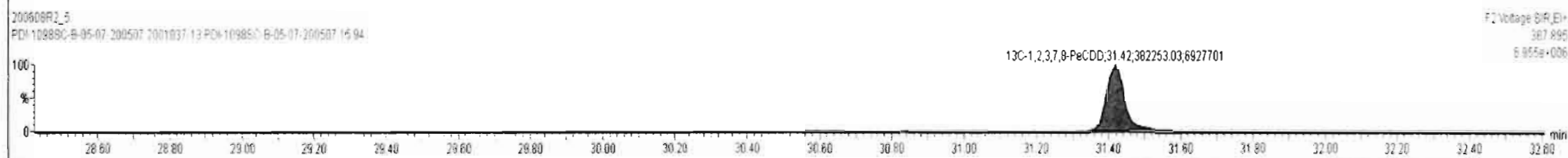
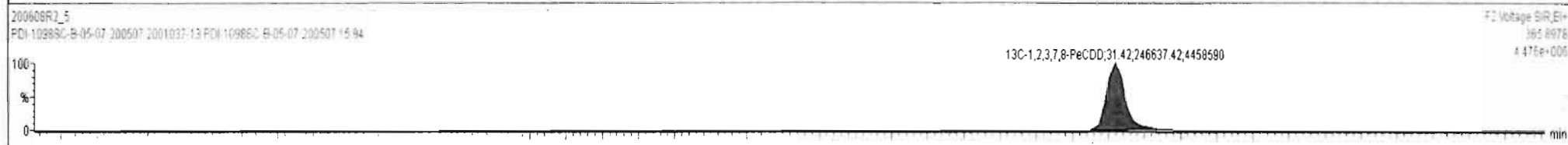
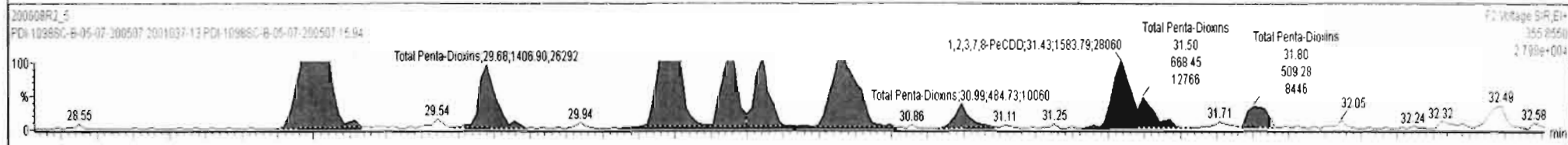
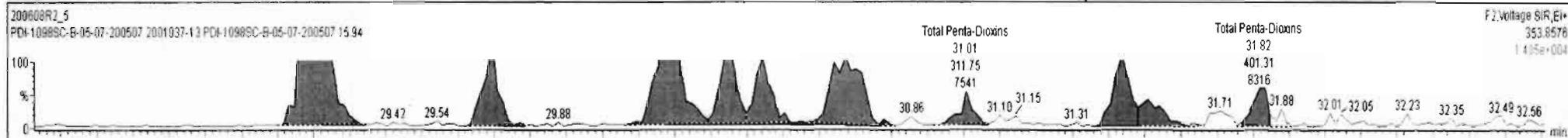
200608R2_5



F2:Voltage SIR,EI+
367.895
6.955e+006

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.036			10.9		0.164	11.2
41 Total Hexa-Dioxins				0.8923	10.036			43.2		0.290	43.7
42 Total Hepta-Dioxins				0.8639	10.036			301		0.748	301

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.21	3.719e3	5.695e3	0.65	NO	3.2849	3.2849
2 Total Penta-Dioxins	29.70	8.626e2	1.407e3	0.61	NO	0.79200	0.79200
3 Total Penta-Dioxins	30.16	2.513e3	3.731e3	0.67	NO	2.1788	2.1788
4 Total Penta-Dioxins	30.35	9.363e2	1.638e3	0.57	NO	0.89625	0.89625
5 Total Penta-Dioxins	30.44	8.056e2	1.391e3	0.58	NO	0.76639	0.76639
6 Total Penta-Dioxins	30.67	1.539e3	2.624e3	0.59	NO	1.4524	1.4524
7 Total Penta-Dioxins	31.01	3.117e2	4.847e2	0.64	NO	0.27793	0.27793
8 1,2,3,7,8-PeCDD	31.43	8.519e2	1.584e3	0.54	NO	0.84994	0.84994
9 Total Penta-Dioxins	31.51	4.035e2	6.685e2	0.60	NO	0.37406	0.37406
10 Total Penta-Dioxins	31.82	4.013e2	5.093e2	0.79	YES	0.28967	0.00000



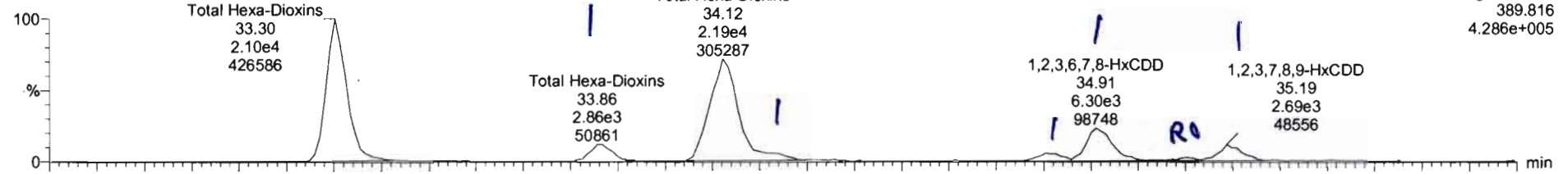
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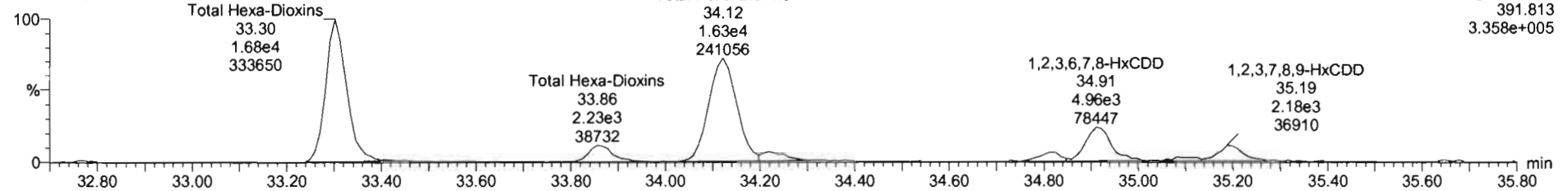
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200608R2_5

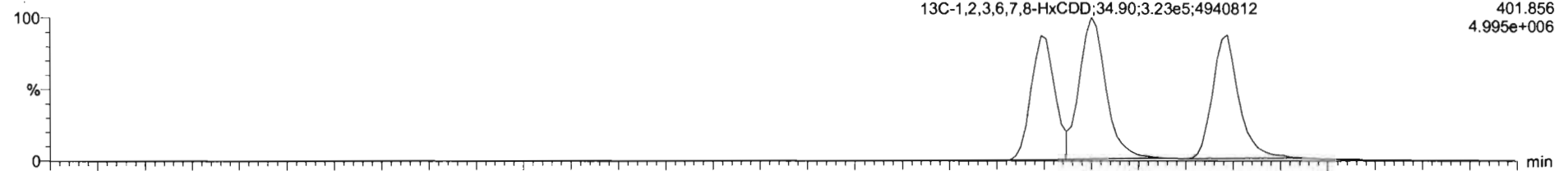


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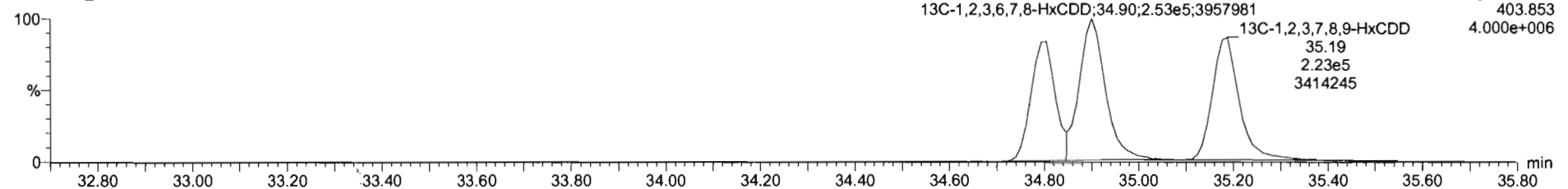


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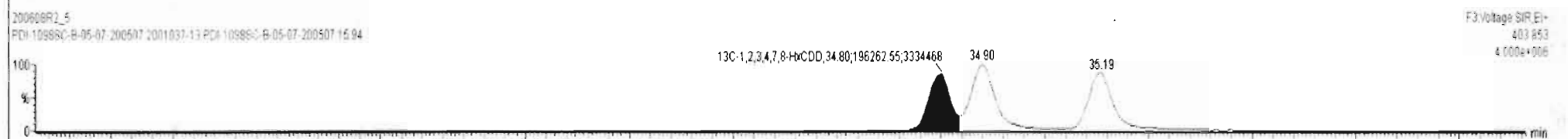
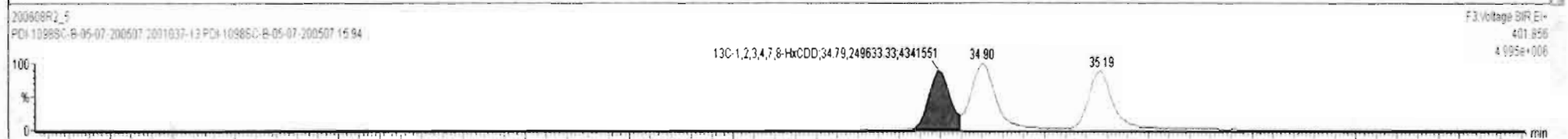
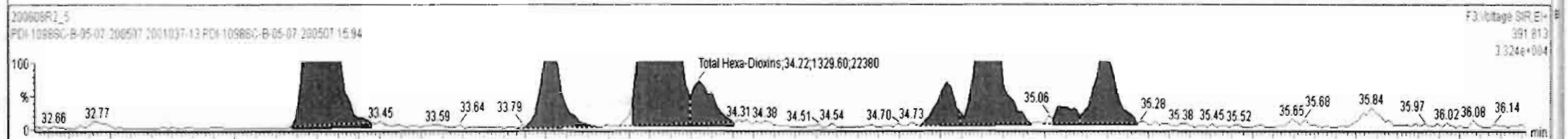
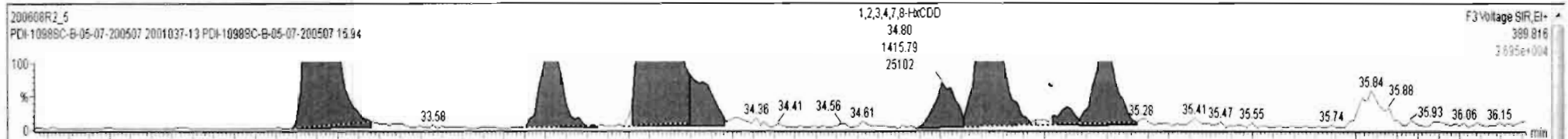


200608R2_5



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.036			10.9		0.164	11.2
41 Total Hexa-Dioxins				0.8923	10.036			44.3		0.290	44.7
42 Total Hepta-Dioxins				0.8639	10.036			301		0.748	301

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.30	2.129e4	1.709e4	1.25	NO	16.877	16.877
2 Total Hexa-Dioxins	33.86	2.904e3	2.260e3	1.28	NO	2.2708	2.2708
3 Total Hexa-Dioxins	34.12	2.043e4	1.629e4	1.25	NO	16.190	16.190
4 Total Hexa-Dioxins	34.20	1.591e3	1.330e3	1.20	NO	1.2842	1.2842
5 1,2,3,4,7,8-HxCDD	34.80	1.416e3	1.044e3	1.36	NO	1.0637	1.0637
6 1,2,3,6,7,8-HxCDD	34.91	6.270e3	5.053e3	1.24	NO	4.3894	4.3894
7 Total Hexa-Dioxins	35.10	4.266e2	4.761e2	0.90	YES	0.33885	0.00000
8 1,2,3,7,8,9-HxCDD	35.19	2.629e3	2.274e3	1.24	NO	2.2857	2.2857



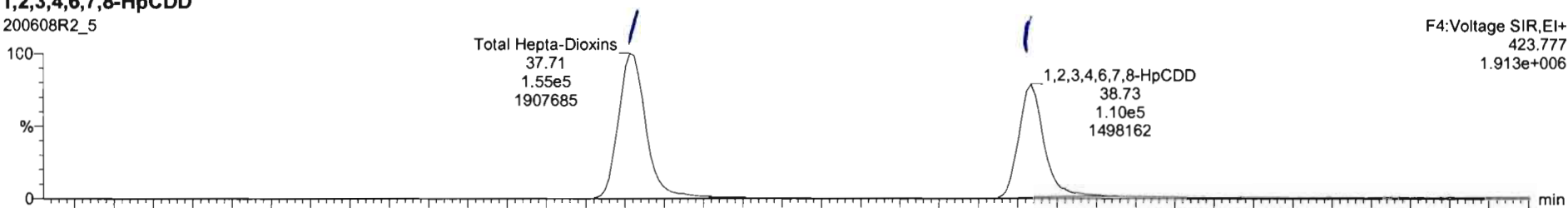
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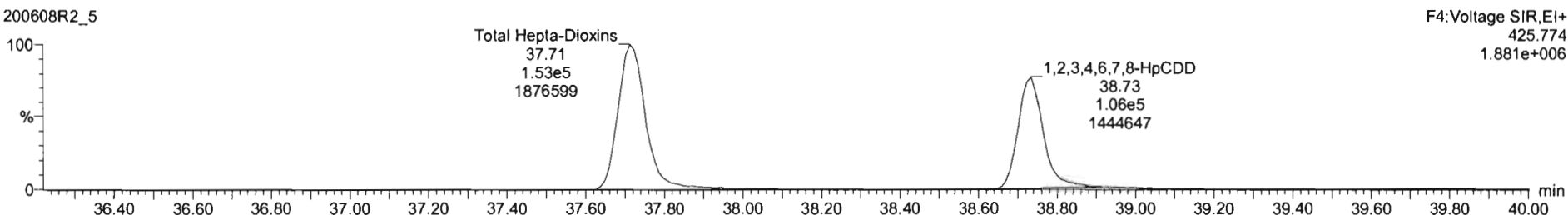
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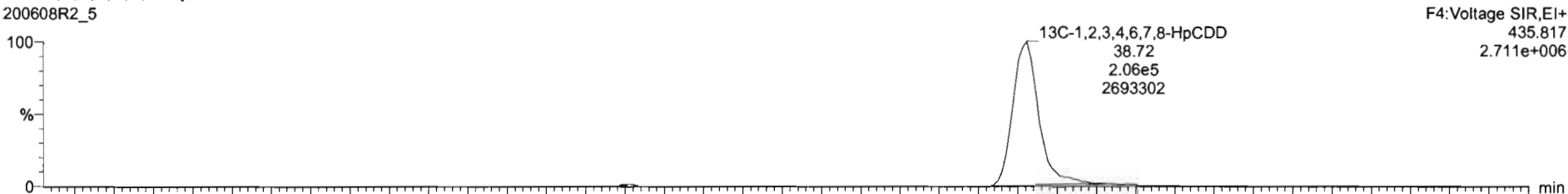


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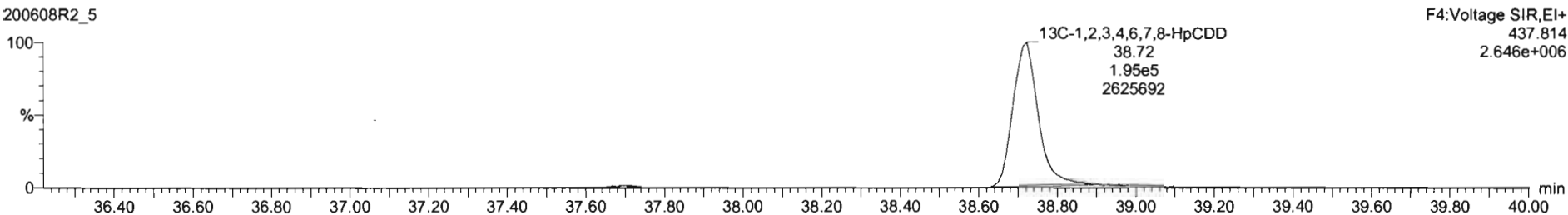


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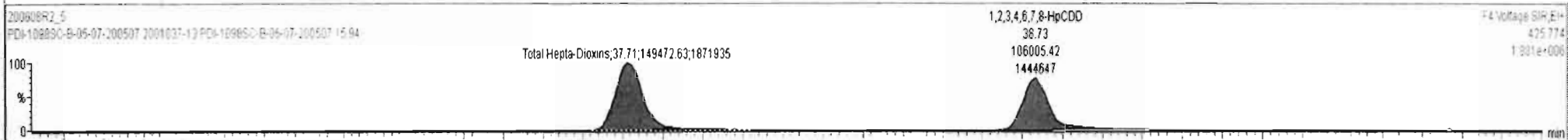
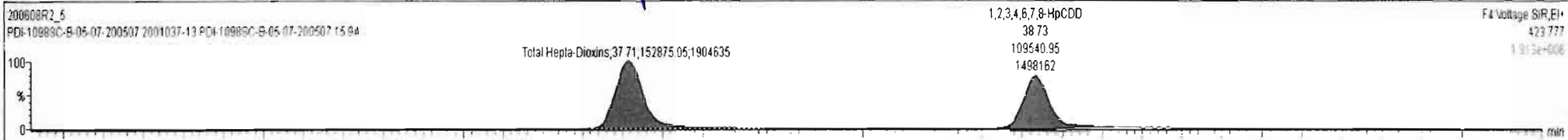


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Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.036			10.9	0.164	11.2	
41 Total Hexa-Dioxins				0.8923	10.036			44.3	0.290	44.7	
42 Total Hepta-Dioxins				0.8639	10.036			298	0.748	298	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	1.529e5	1.495e5	1.02	NO	173.96	173.96
2 1,2,3,4,6,7,8-HpCDD	38.73	1.095e5	1.060e5	1.03	NO	124.02	124.02



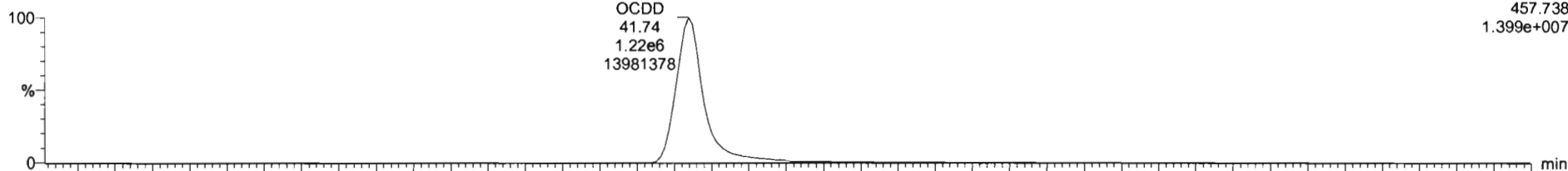
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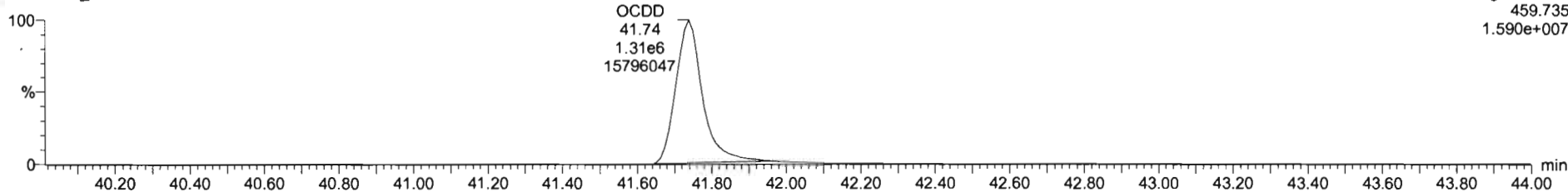
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OCDD

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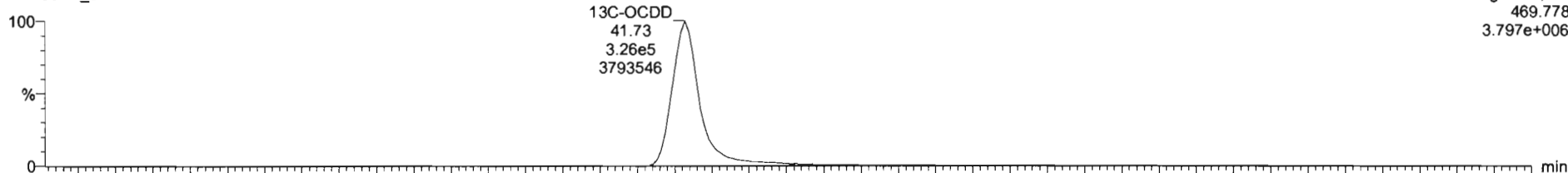


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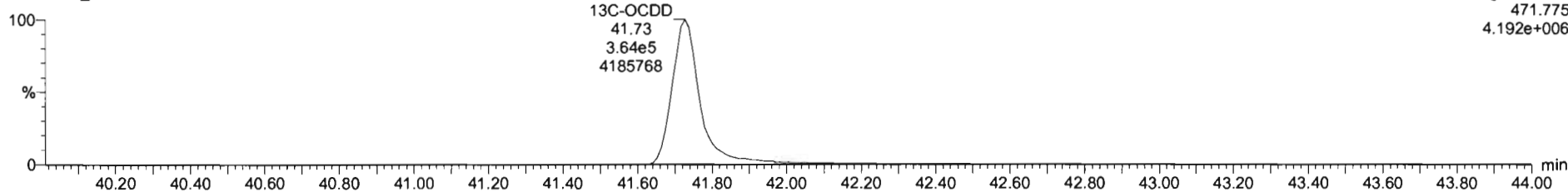


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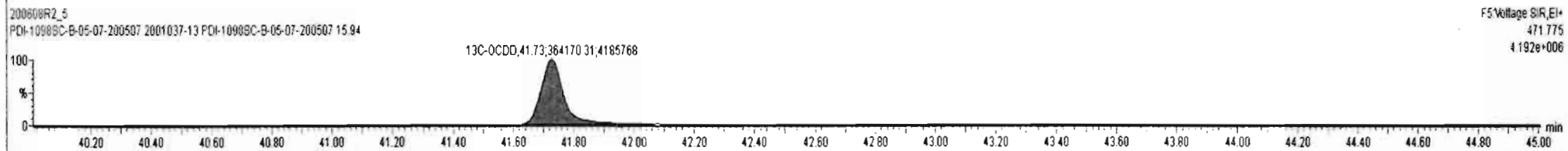
200608R2_5



200608R2_5 - 2001037-13 PDI-1098SC-B-05-07-200507 15 94 - PDI-1098SC-B-05-07-200507

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	2.60e6	0.89	NO	0.9136	10.036	41.74	1.000	1640		1.19	1640
8 2,3,7,8-TCDF	8.03e5	0.76	NO	0.7510	10.036	25.56	1.001	193		0.186	193
9 1,2,3,7,8-PeCDF	1.01e6	1.55	NO	0.8925	10.036	30.14	1.000	231		0.453	231

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

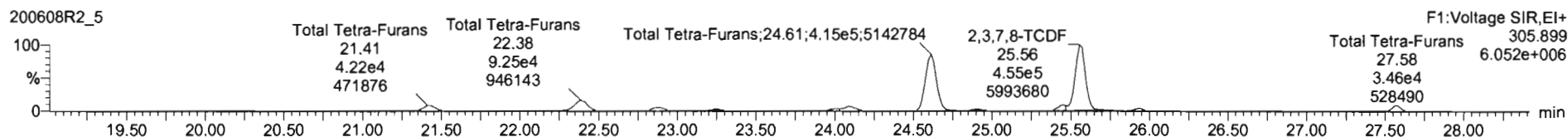
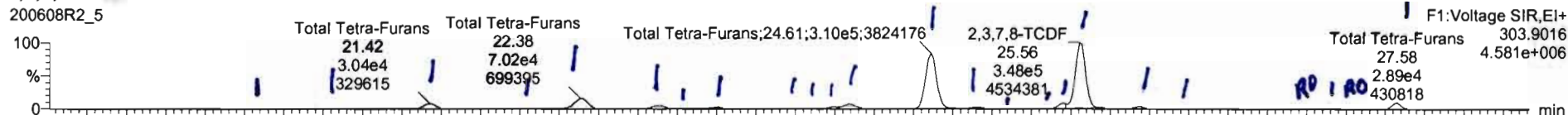


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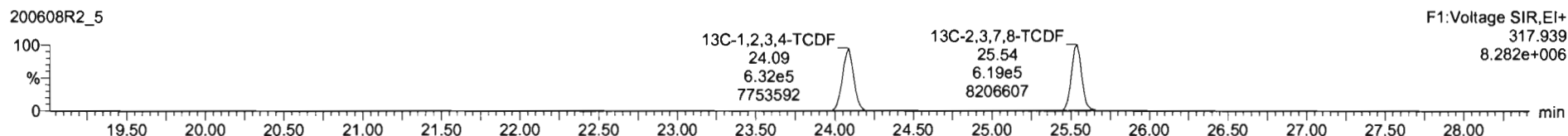
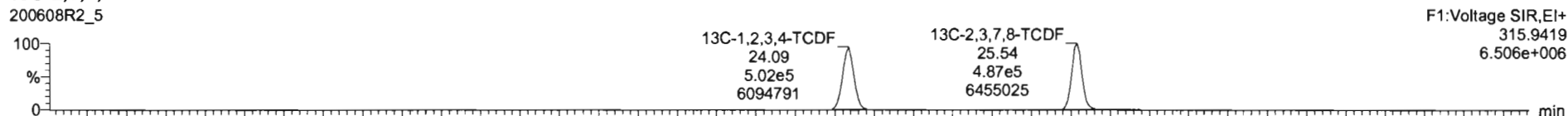
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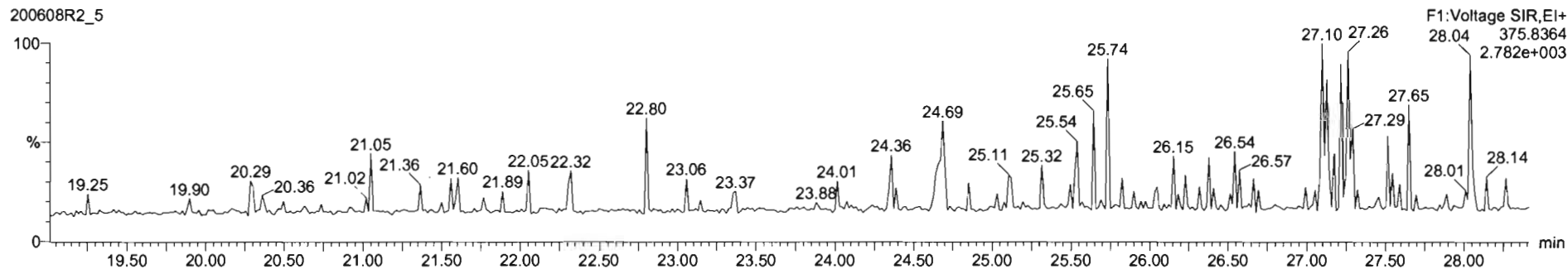
2,3,7,8-TCDF



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

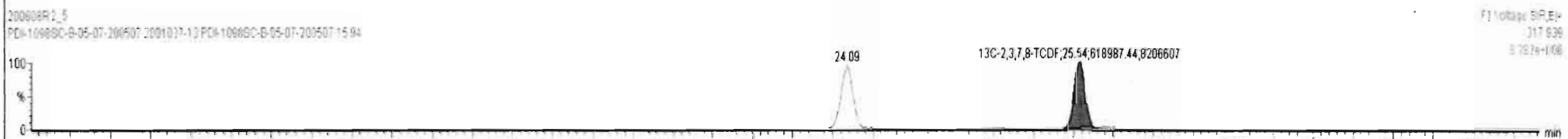
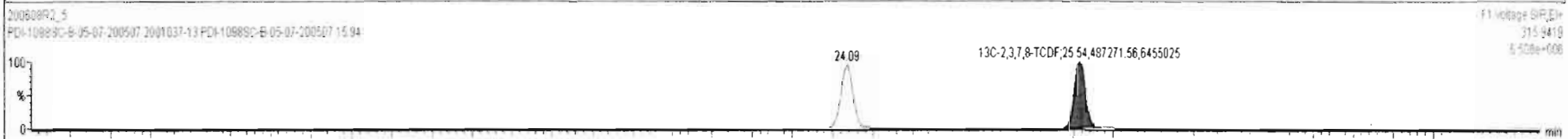
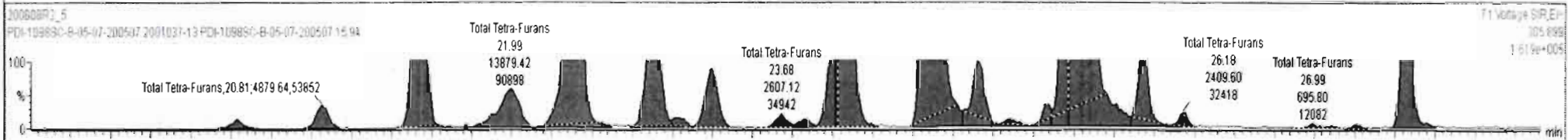
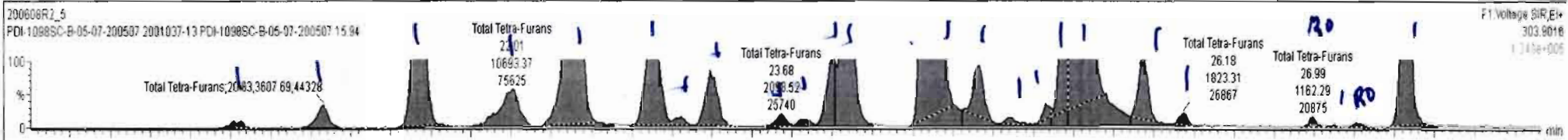


DPE1



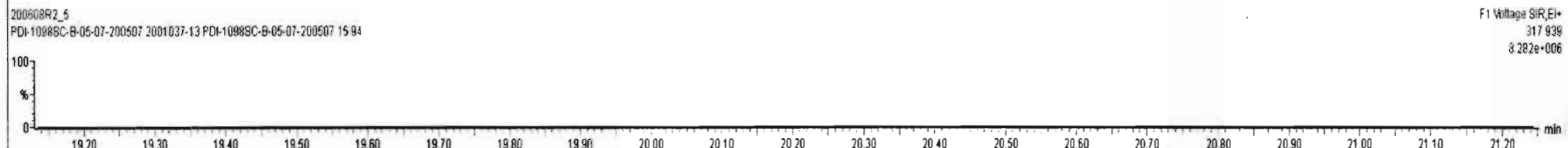
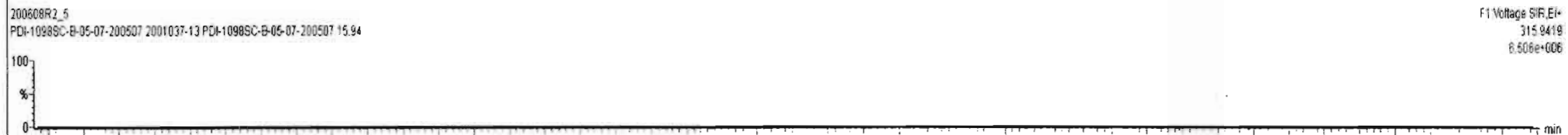
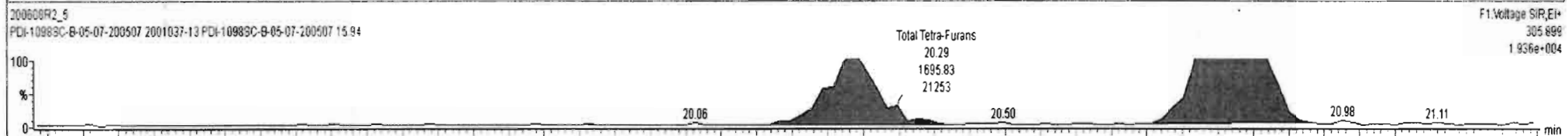
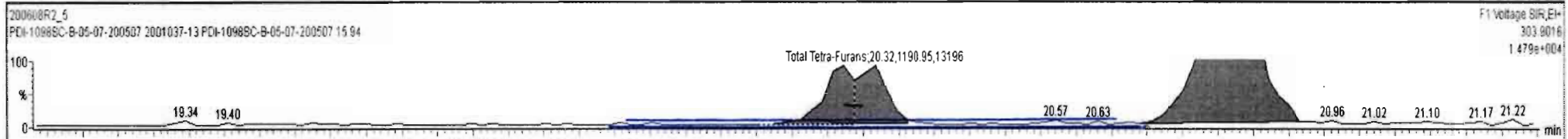
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.036			532		0.186	532
44 1st Func. Penta-Furans				0.8925	10.036			31.7		0.0353	31.7
45 Total Penta-Furans				0.8925	10.036			610		0.435	611

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.32	1.217e3	1.696e3	0.72	NO	0.69880	0.69880
2 Total Tetra-Furans	20.83	3.608e3	4.880e3	0.74	NO	2.0358	2.0358
3 Total Tetra-Furans	21.42	3.097e4	4.282e4	0.72	NO	17.698	17.698
4 Total Tetra-Furans	22.01	1.069e4	1.388e4	0.77	NO	5.8942	5.8942
5 Total Tetra-Furans	22.38	7.237e4	9.564e4	0.76	NO	40.298	40.298
6 Total Tetra-Furans	22.89	2.230e4	2.944e4	0.76	NO	12.411	12.411
7 Total Tetra-Furans	23.06	1.583e3	2.046e3	0.78	NO	0.87199	0.87199
8 Total Tetra-Furans	23.24	1.029e4	1.335e4	0.77	NO	5.6709	5.6709
9 Total Tetra-Furans	23.68	2.099e3	2.807e3	0.80	NO	1.1287	1.1287
10 Total Tetra-Furans	23.83	1.436e3	1.726e3	0.83	NO	0.75856	0.75856
11 Total Tetra-Furans	24.00	7.948e3	1.065e4	0.75	NO	4.4612	4.4612
12 Total Tetra-Furans	24.09	2.939e4	3.887e4	0.76	NO	16.374	16.374
13 Total Tetra-Furans	24.61	3.180e5	4.242e5	0.75	NO	178.01	178.01
14 Total Tetra-Furans	24.91	1.180e4	1.499e4	0.79	NO	6.4271	6.4271
15 Total Tetra-Furans	25.11	1.652e3	1.904e3	0.87	NO	0.85299	0.85299
16 Total Tetra-Furans	25.33	2.842e3	3.461e3	0.78	NO	1.4640	1.4640



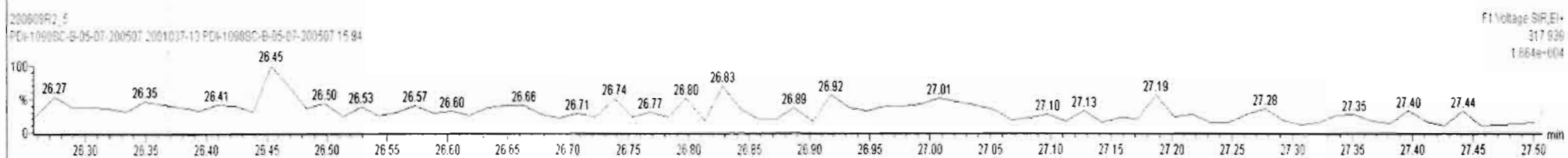
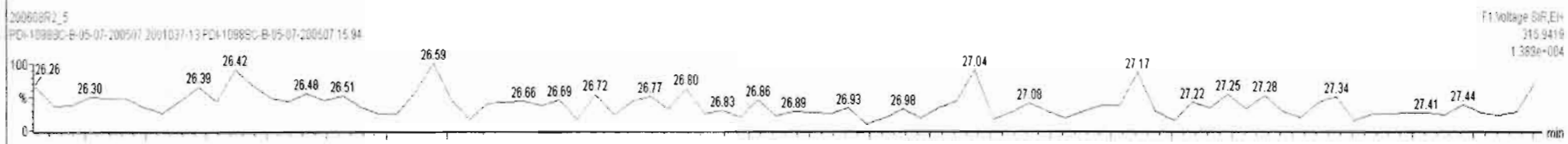
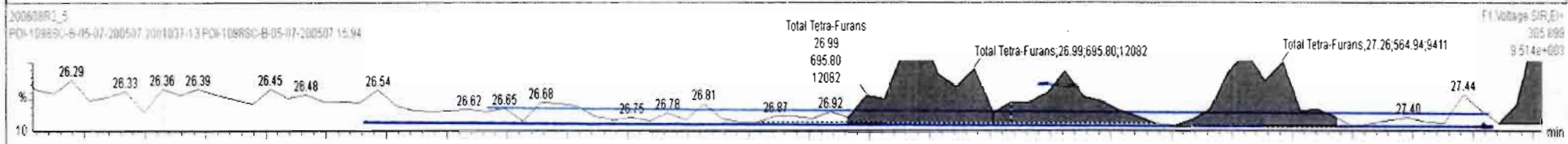
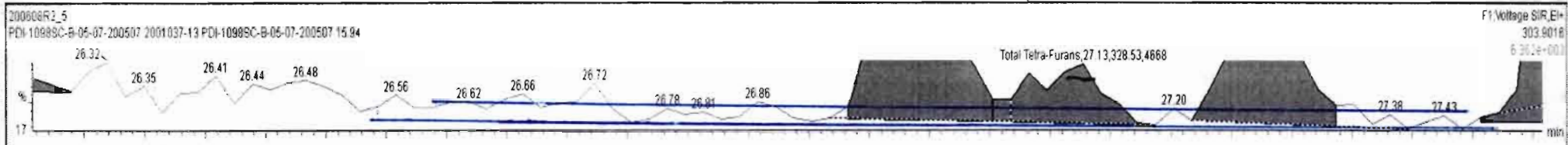
Name	Resp	RA	nY	RF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.036			532		0.186	532
44 1st Func. Penta-Furans				0.8925	10.036			31.3		0.0352	31.3
45 Total Penta-Furans				0.8925	10.036			621		0.434	621

Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
9 Total Tetra-Furans	23.68	2.099e3	2.607e3	0.80	NO	1.1287	1.1287
10 Total Tetra-Furans	23.83	1.436e3	1.726e3	0.83	NO	0.75856	0.75856
11 Total Tetra-Furans	24.00	7.948e3	1.066e4	0.75	NO	4.4612	4.4612
12 Total Tetra-Furans	24.09	2.939e4	3.887e4	0.76	NO	16.374	16.374
13 Total Tetra-Furans	24.61	3.180e5	4.242e5	0.75	NO	178.01	178.01
14 Total Tetra-Furans	24.91	1.180e4	1.499e4	0.79	NO	6.4271	6.4271
15 Total Tetra-Furans	25.11	1.652e3	1.904e3	0.87	NO	0.85299	0.85299
16 Total Tetra-Furans	25.33	2.642e3	3.461e3	0.76	NO	1.4640	1.4640
17 Total Tetra-Furans	25.45	2.064e4	2.674e4	0.72	NO	11.844	11.844
18 2,3,7,8-TCDF	25.56	3.642e5	4.751e5	0.77	NO	201.33	201.33
19 Total Tetra-Furans	25.93	1.207e4	1.579e4	0.76	NO	6.6828	6.6828
20 Total Tetra-Furans	26.18	1.823e3	2.410e3	0.76	NO	1.0153	1.0153
21 Total Tetra-Furans	26.99	1.162e3	6.998e2	1.67	YES	0.29541	0.00000
22 Total Tetra-Furans	27.13	3.285e2	3.774e2	0.87	NO	0.16932	0.16932
23 Total Tetra-Furans	27.26	6.062e2	5.649e2	1.07	YES	0.23985	0.00000
24 Total Tetra-Furans	27.58	2.979e4	3.455e4	0.86	NO	15.433	15.433



Name	Resp	RA	nly	RRF	wVvol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.036			532		0.186	532
44 1st Func. Penta-Furans				0.8925	10.036			31.7		0.0353	31.2
45 Total Penta-Furans				0.8925	10.036			610		0.435	611

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
9 Total Tetra-Furans	23.68	2.099e3	2.607e3	0.80	NO	1.1287	1.1287
10 Total Tetra-Furans	23.83	1.436e3	1.726e3	0.83	NO	0.75956	0.75956
11 Total Tetra-Furans	24.00	7.949e3	1.065e4	0.75	NO	4.4612	4.4612
12 Total Tetra-Furans	24.09	2.939e4	3.887e4	0.76	NO	16.374	16.374
13 Total Tetra-Furans	24.61	3.180e5	4.242e5	0.75	NO	178.01	178.01
14 Total Tetra-Furans	24.91	1.180e4	1.495e4	0.79	NO	6.4271	6.4271
15 Total Tetra-Furans	25.11	1.652e3	1.904e3	0.87	NO	0.85299	0.85299
16 Total Tetra-Furans	25.33	2.642e3	3.461e3	0.76	NO	1.4640	1.4640
17 Total Tetra-Furans	25.45	2.064e4	2.874e4	0.72	NO	11.844	11.844
18 2,3,7,8-TCDF	25.56	3.642e5	4.751e5	0.77	NO	201.33	201.33
19 Total Tetra-Furans	25.93	1.207e4	1.579e4	0.76	NO	6.6828	6.6828
20 Total Tetra-Furans	26.18	1.623e3	2.410e3	0.76	NO	1.0153	1.0153
21 Total Tetra-Furans	26.99	1.162e3	6.959e2	1.67	YES	0.29541	0.00000
22 Total Tetra-Furans	27.13	3.285e2	3.774e2	0.87	NO	0.16932	0.16932
23 Total Tetra-Furans	27.26	6.062e2	5.649e2	1.07	YES	0.23985	0.00000
24 Total Tetra-Furans	27.58	2.979e4	3.455e4	0.86	NO	15.433	15.433



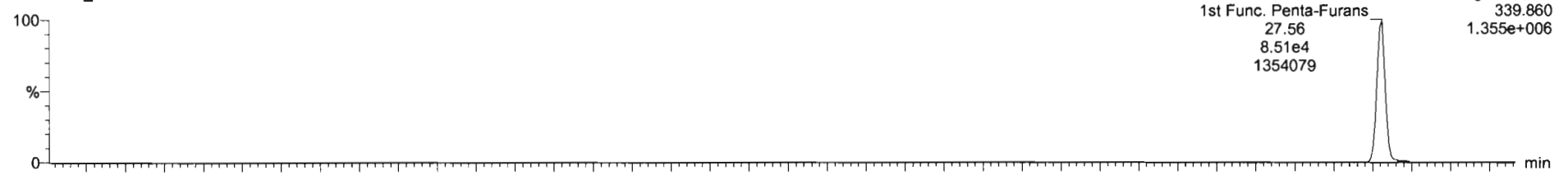
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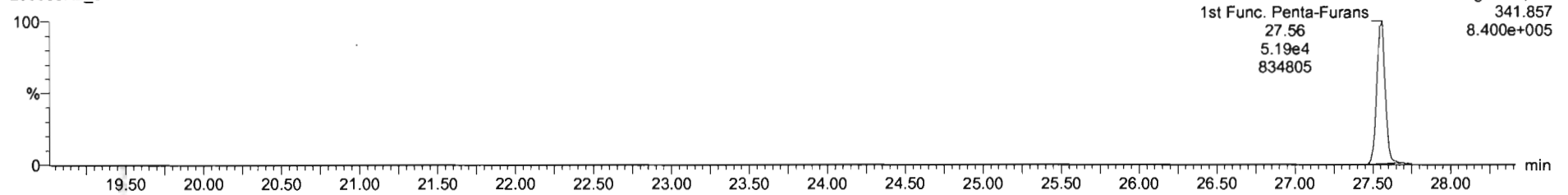
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1st Func. Penta-Furans

200608R2_5

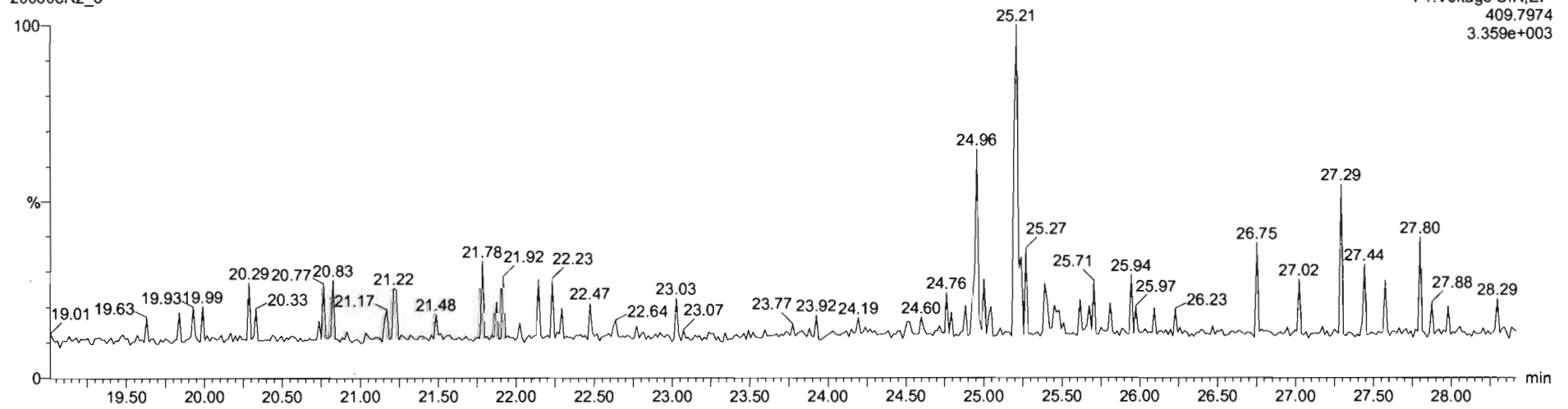


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DPE6

200608R2_5

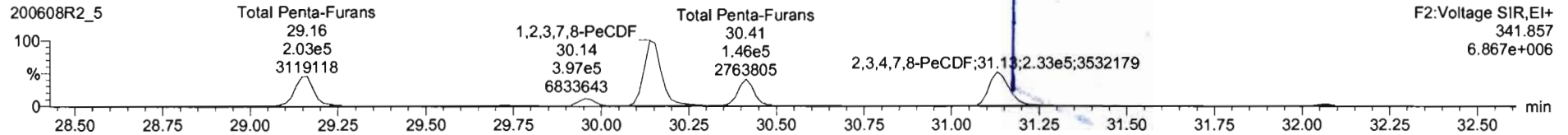
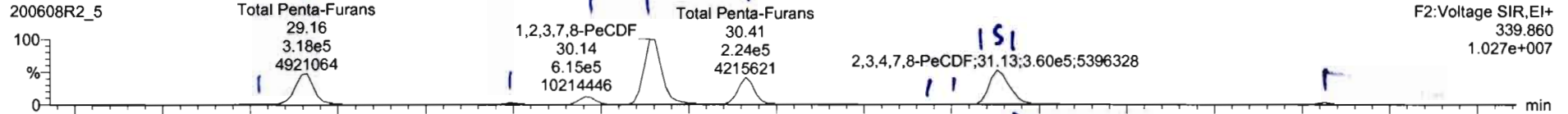


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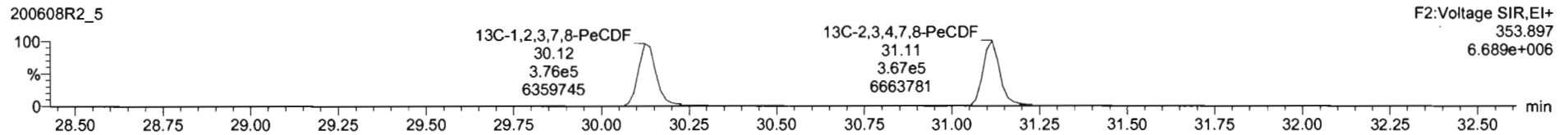
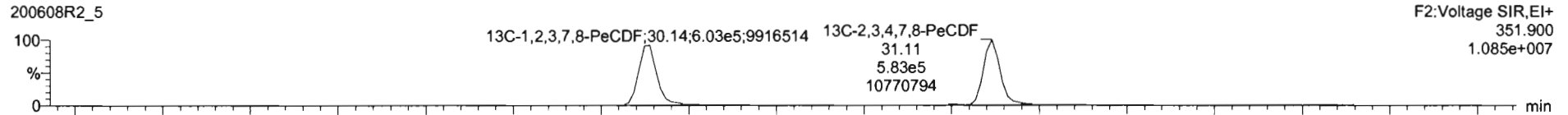
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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

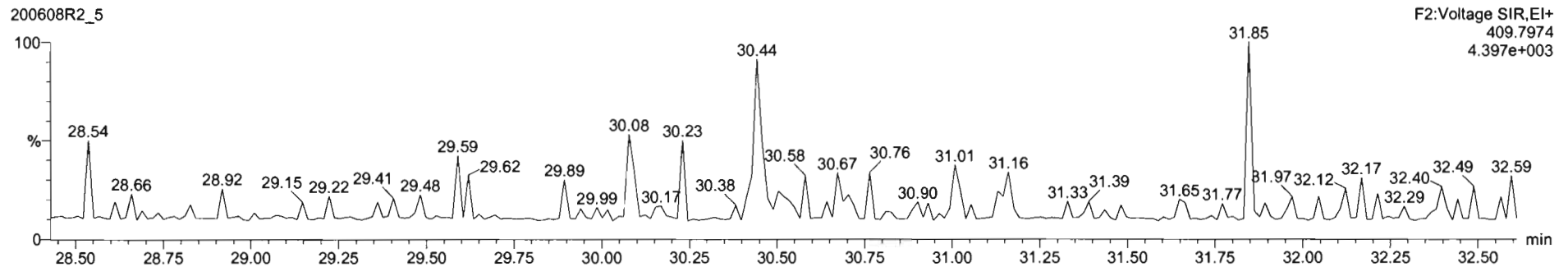
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13C-1,2,3,7,8-PeCDF

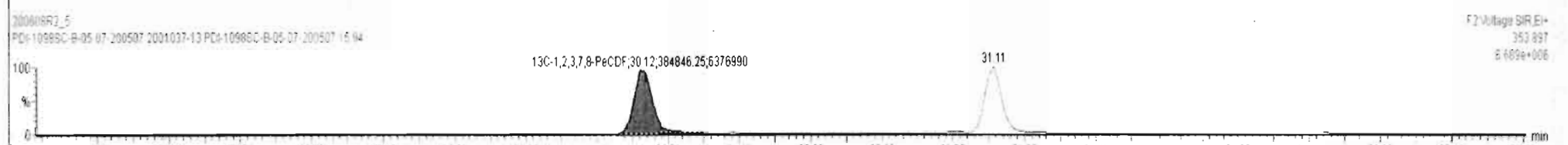
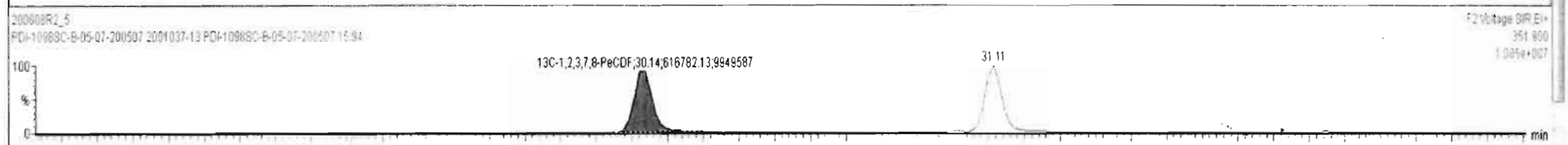
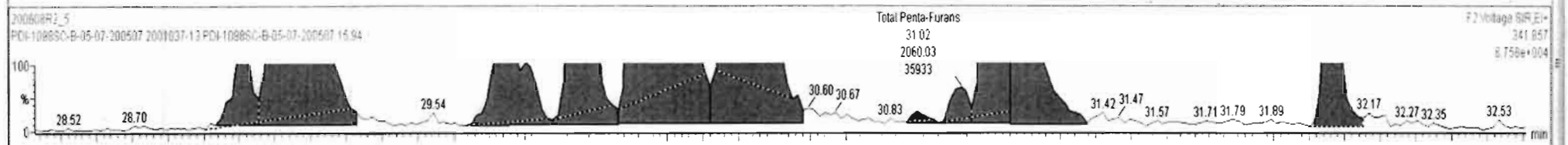
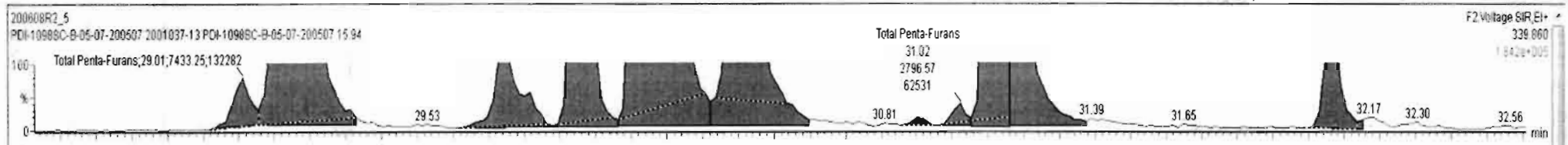


DPE2



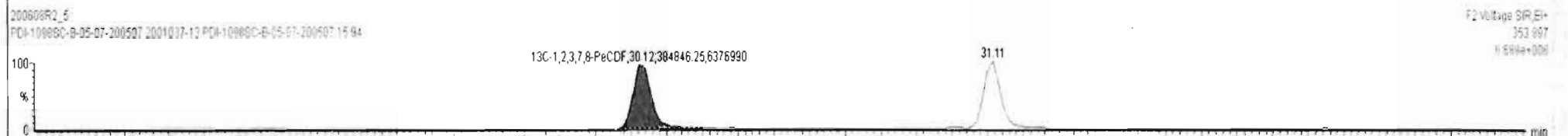
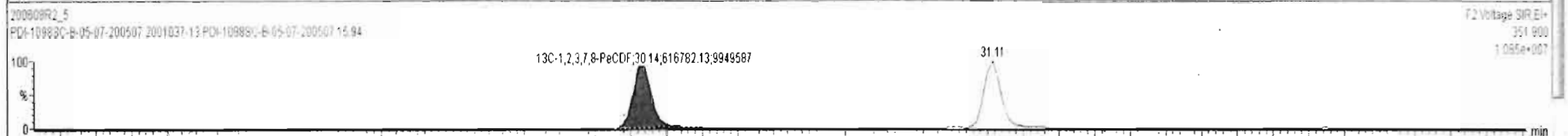
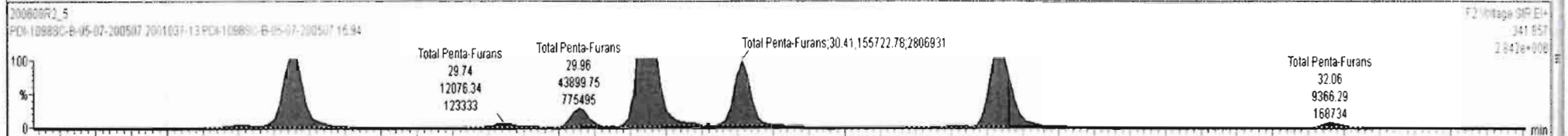
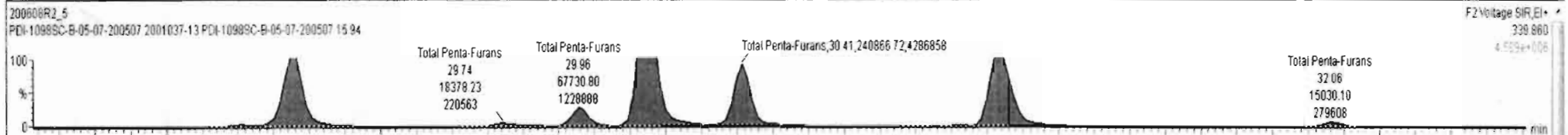
Name	Resp	RA	nly	RF	wAol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.036			621		0.434	621
46 Total Hexa-Furans				0.9341	10.036			560		0.427	561
47 Total Hepta-Furans				0.8734	10.036			329		0.745	329

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.01	7.433e3	4.882e3	1.52	NO	2.8173	2.8173
2 Total Penta-Furans	29.16	3.205e5	2.061e5	1.55	NO	120.47	120.47
3 Total Penta-Furans	29.74	1.838e4	1.208e4	1.52	NO	6.9671	6.9671
4 Total Penta-Furans	29.96	6.773e4	4.390e4	1.54	NO	25.538	25.538
5 1,2,3,7,8-PeCDF	30.14	6.288e5	4.055e5	1.55	NO	230.56	230.56
6 Total Penta-Furans	30.41	2.409e5	1.557e5	1.55	NO	90.728	90.728
7 Total Penta-Furans	30.90	1.024e3	5.848e2	1.75	NO	0.36800	0.36800
8 Total Penta-Furans	31.02	2.797e3	2.060e3	1.36	NO	1.1110	1.1110
9 2,3,4,7,8-PeCDF	31.13	2.609e5	1.842e5	1.53	NO	104.34	104.34
10 Total Penta-Furans	31.16	8.725e4	5.319e4	1.64	NO	32.128	32.128
11 Total Penta-Furans	32.06	1.503e4	9.369e3	1.60	NO	5.5812	5.5812



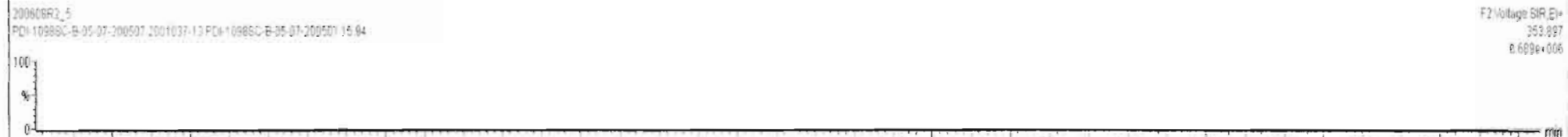
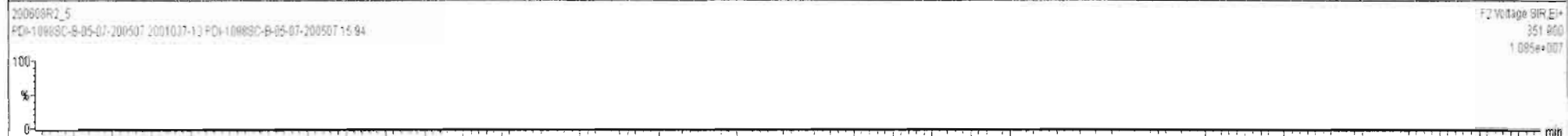
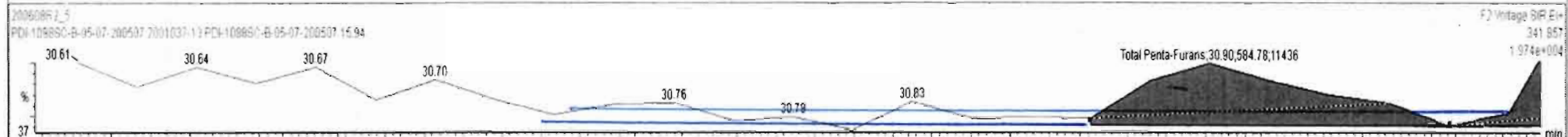
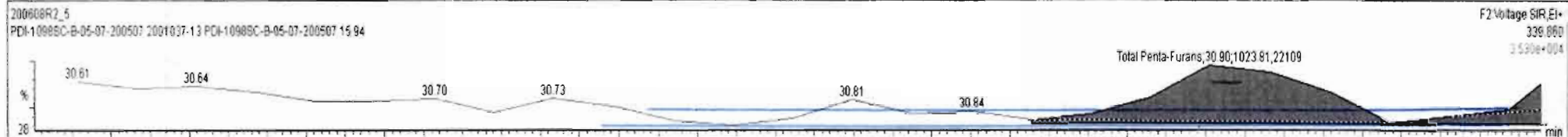
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.036			621		0.434	621
46 Total Hexa-Furans				0.9341	10.036			560		0.427	561
47 Total Hepta-Furans				0.8734	10.036			329		0.745	329

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	7.433e3	4.882e3	1.52	NO	2.8173	2.8173
2 Total Penta-Furans	29.16	3.205e5	2.061e5	1.55	NO	120.47	120.47
3 Total Penta-Furans	29.74	1.838e4	1.208e4	1.52	NO	6.9671	6.9671
4 Total Penta-Furans	29.96	6.773e4	4.390e4	1.54	NO	25.538	25.538
5 1,2,3,7,8-PeCDF	30.14	6.288e5	4.055e5	1.55	NO	230.56	230.56
6 Total Penta-Furans	30.41	2.409e5	1.557e5	1.55	NO	90.728	90.728
7 Total Penta-Furans	30.90	1.024e3	5.849e2	1.75	NO	0.36800	0.36800
8 Total Penta-Furans	31.02	2.797e3	2.060e3	1.36	NO	1.1110	1.1110
9 2,3,4,7,8-PeCDF	31.13	2.809e5	1.842e5	1.53	NO	104.34	104.34
10 Total Penta-Furans	31.16	8.725e4	5.319e4	1.64	NO	32.128	32.128
11 Total Penta-Furans	32.06	1.503e4	9.366e3	1.60	NO	5.5812	5.5812



Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.036			621		0.434	621
46 Total Hexa-Furans				0.9341	10.036			560		0.427	561
47 Total Hepta-Furans				0.8734	10.036			329		0.745	329

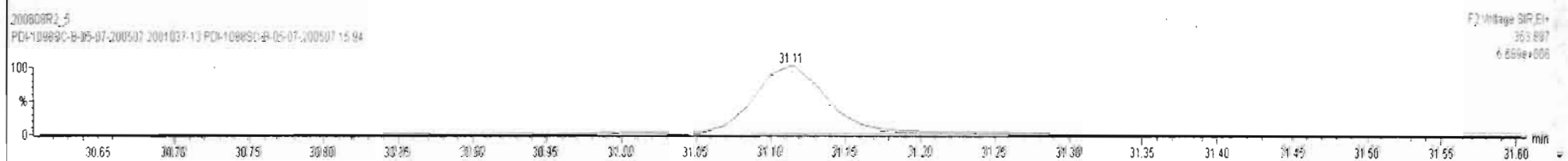
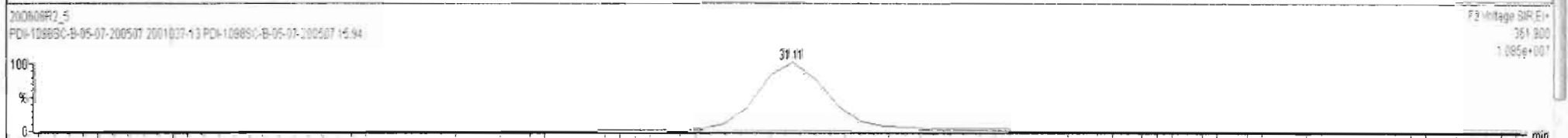
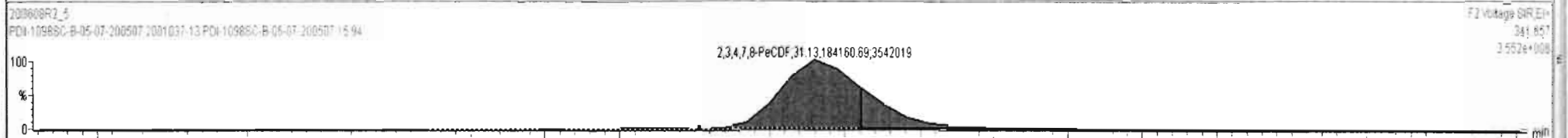
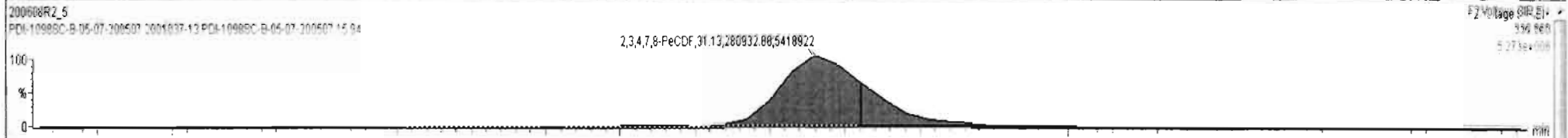
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	7.433e3	4.882e3	1.52	NO	2.8173	2.8173
2 Total Penta-Furans	29.16	3.205e5	2.061e5	1.55	NO	120.47	120.47
3 Total Penta-Furans	29.74	1.838e4	1.208e4	1.52	NO	6.9671	6.9671
4 Total Penta-Furans	29.96	6.773e4	4.390e4	1.54	NO	25.538	25.538
5 1,2,3,7,8-PeCDF	30.14	6.288e5	4.055e5	1.55	NO	230.56	230.56
6 Total Penta-Furans	30.41	2.409e5	1.557e5	1.55	NO	90.728	90.728
7 Total Penta-Furans	30.90	1.024e3	5.848e2	1.75	NO	0.36800	0.36800
8 Total Penta-Furans	31.02	2.797e3	2.060e3	1.36	NO	1.1110	1.1110
9 2,3,4,7,8-PeCDF	31.13	2.609e5	1.842e5	1.53	NO	104.34	104.34
10 Total Penta-Furans	31.16	8.725e4	5.319e4	1.64	NO	32.128	32.128
11 Total Penta-Furans	32.06	1.503e4	9.368e3	1.60	NO	5.5812	5.5812



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Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.036			621		0.434	621
46 Total Hexa-Furans				0.9341	10.036			560		0.427	561
47 Total Hepta-Furans				0.8734	10.036			329		0.745	329

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	7.433e3	4.882e3	1.52	NO	2.8173	2.8173
2 Total Penta-Furans	29.16	3.205e5	2.061e5	1.55	NO	120.47	120.47
3 Total Penta-Furans	29.74	1.838e4	1.208e4	1.52	NO	6.9671	6.9671
4 Total Penta-Furans	29.96	6.773e4	4.390e4	1.54	NO	25.538	25.538
5 1,2,3,7,8-PeCDF	30.14	6.288e5	4.055e5	1.55	NO	230.56	230.56
6 Total Penta-Furans	30.41	2.409e5	1.557e5	1.55	NO	90.728	90.728
7 Total Penta-Furans	30.90	1.024e3	5.848e2	1.75	NO	0.36800	0.36800
8 Total Penta-Furans	31.02	2.797e3	2.069e3	1.36	NO	1.1110	1.1110
9 2,3,4,7,8-PeCDF	31.13	2.809e5	1.842e5	1.53	NO	104.34	104.34
10 Total Penta-Furans	31.16	8.725e4	5.319e4	1.64	NO	32.128	32.128
11 Total Penta-Furans	32.06	1.503e4	9.368e3	1.60	NO	5.5812	5.5812

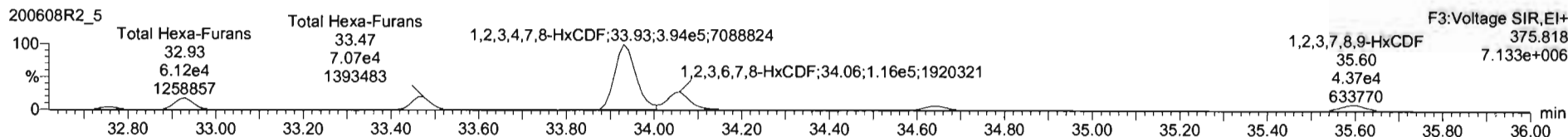
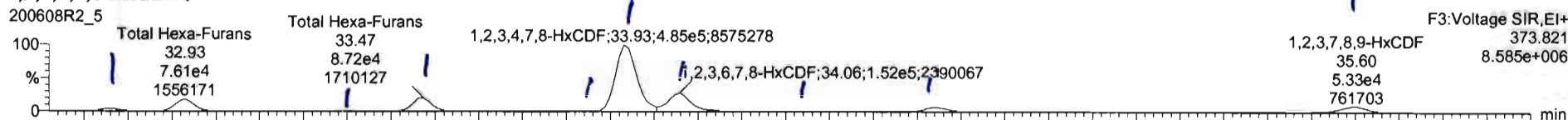


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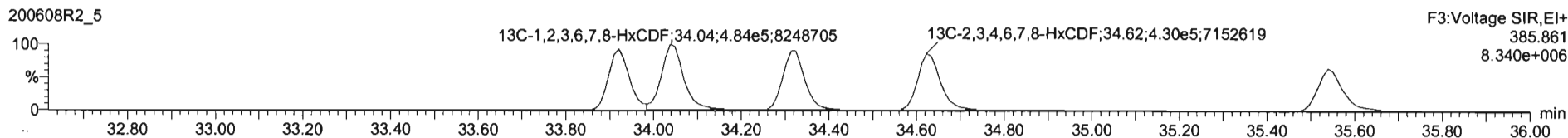
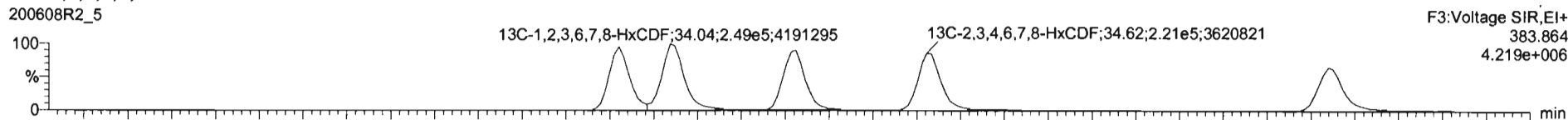
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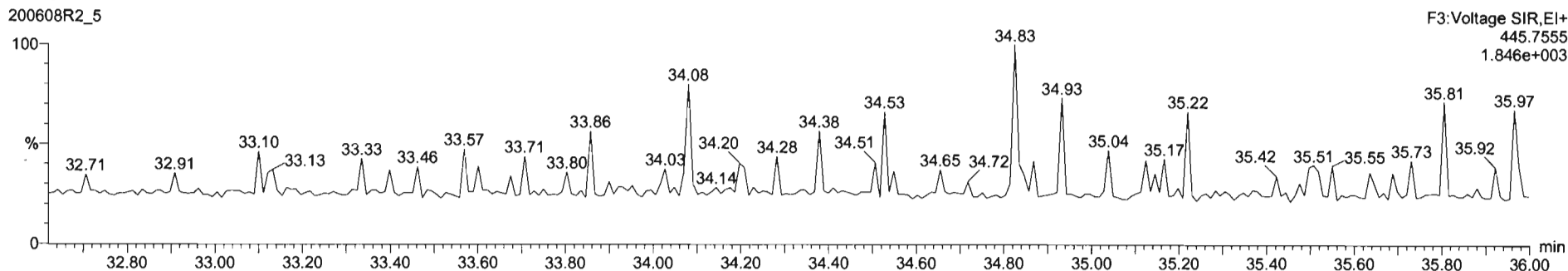
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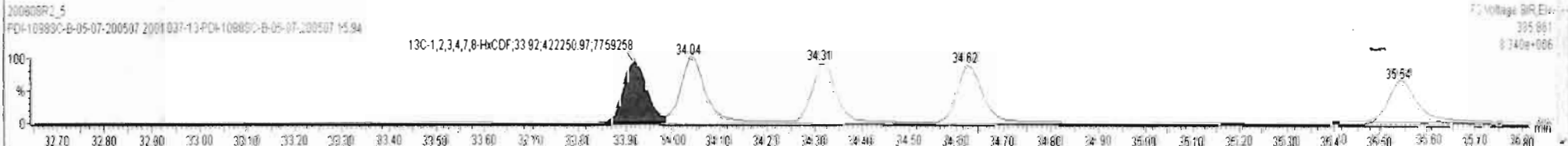
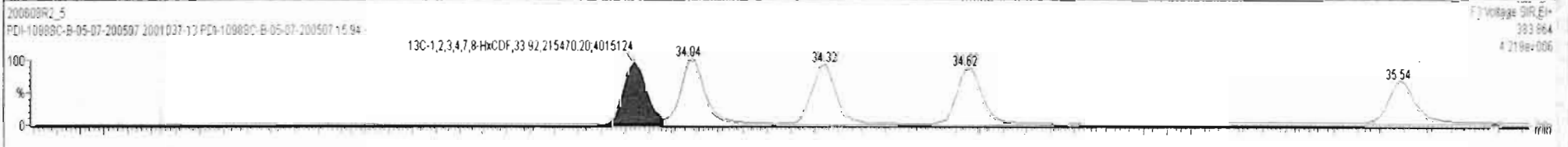
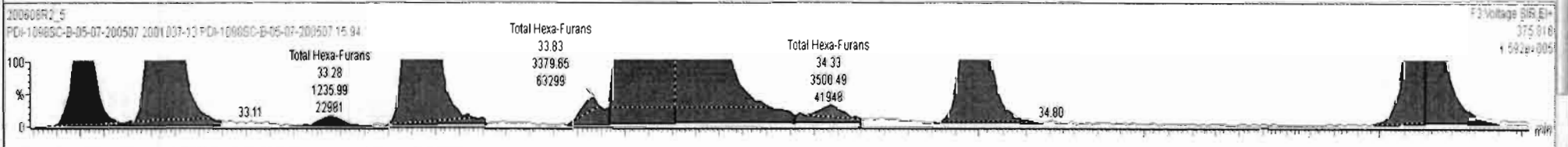
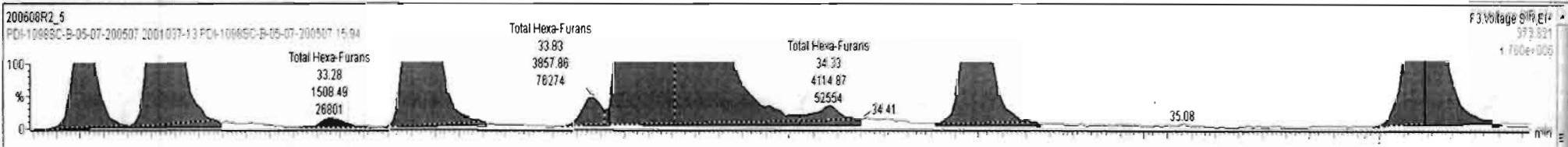


DPE3



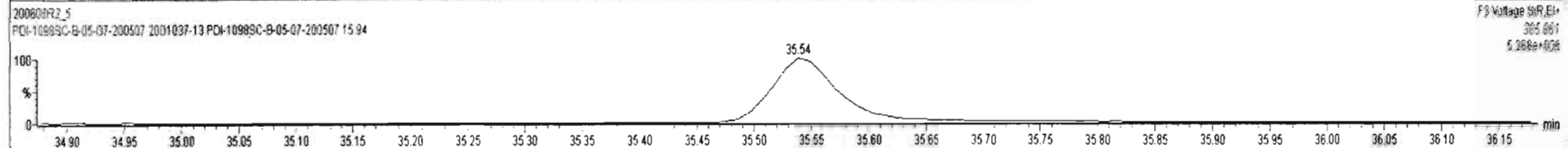
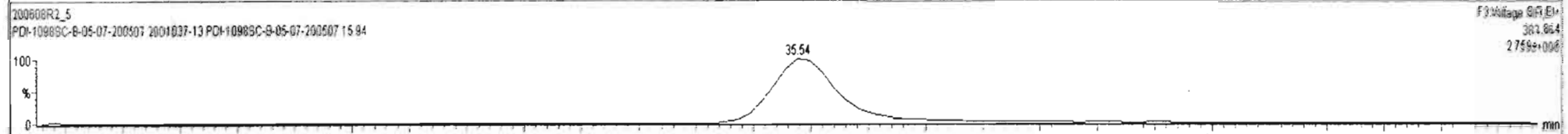
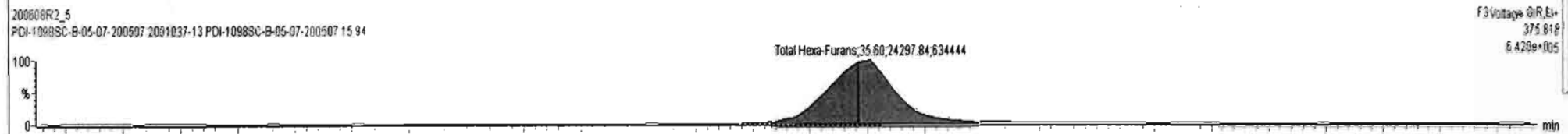
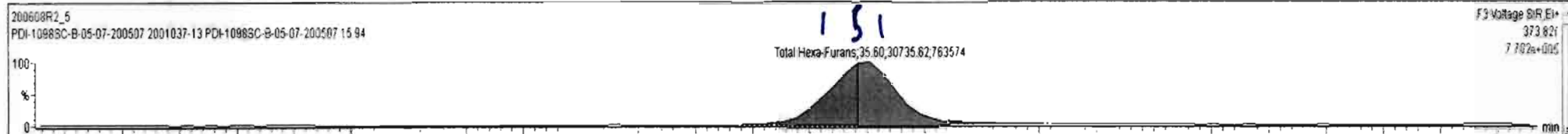
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.036			570		0.427	570
47 Total Hepta-Furans				0.8734	10.036			333		0.741	333

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	1.697e4	1.376e4	1.23	NO	10.171	10.171
2 Total Hexa-Furans	32.93	7.845e4	6.369e4	1.23	NO	47.047	47.047
3 Total Hexa-Furans	33.28	1.508e3	1.236e3	1.22	NO	0.90842	0.90842
4 Total Hexa-Furans	33.47	8.842e4	7.234e4	1.22	NO	53.214	53.214
5 Total Hexa-Furans	33.83	3.858e3	3.380e3	1.14	NO	2.3956	2.3956
6 1,2,3,4,7,8-HxCDF	33.93	4.854e5	3.990e5	1.22	NO	312.46	312.46
7 1,2,3,6,7,8-HxCDF	34.06	1.543e5	1.249e5	1.23	NO	85.308	85.308
8 Total Hexa-Furans	34.33	4.115e3	3.500e3	1.18	NO	2.5207	2.5207
9 2,3,4,6,7,8-HxCDF	34.64	3.274e4	2.748e4	1.19	NO	19.731	19.731
10 1,2,3,7,8,9-HxCDF	35.59	2.303e4	1.989e4	1.16	NO	17.675	17.675
11 Total Hexa-Furans	35.60	3.074e4	2.430e4	1.26	NO	18.216	18.216



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9341	10.036			570		0.427	570
47 Total Hepta-Furans				0.8734	10.036			333		0.741	333

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	1.697e4	1.375e4	1.23	NO	10.171	10.171
2 Total Hexa-Furans	32.93	7.845e4	6.369e4	1.23	NO	47.047	47.047
3 Total Hexa-Furans	33.28	1.508e3	1.238e3	1.22	NO	0.90842	0.90842
4 Total Hexa-Furans	33.47	8.842e4	7.234e4	1.22	NO	53.214	53.214
5 Total Hexa-Furans	33.83	3.850e3	3.380e3	1.14	NO	2.3956	2.3956
6 1,2,3,4,7,8-HxCDF	33.93	4.854e5	3.990e5	1.22	NO	312.46	312.46
7 1,2,3,6,7,8-HxCDF	34.06	1.543e5	1.249e5	1.23	NO	85.308	85.308
8 Total Hexa-Furans	34.33	4.115e3	3.500e3	1.16	NO	2.5207	2.5207
9 2,3,4,6,7,8-HxCDF	34.64	3.274e4	2.748e4	1.19	NO	19.731	19.731
10 1,2,3,7,8,9-HxCDF	35.59	2.303e4	1.989e4	1.16	NO	17.675	17.675
11 Total Hexa-Furans	35.60	3.074e4	2.430e4	1.26	NO	18.216	18.216

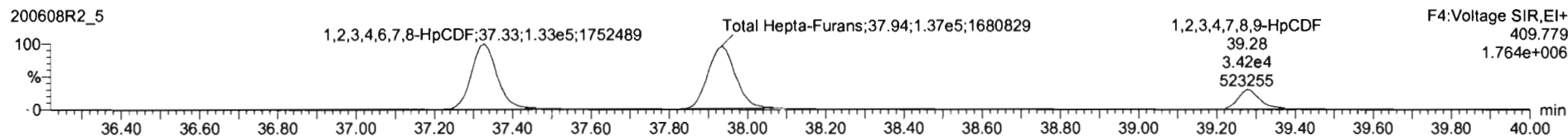
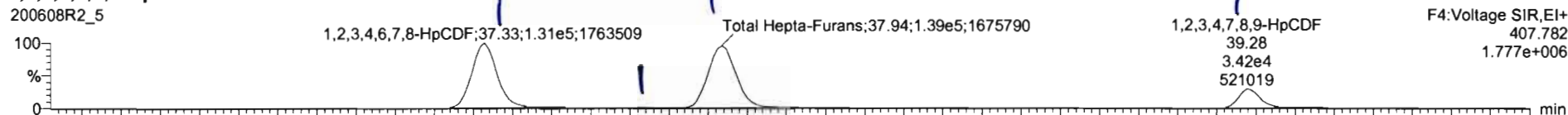


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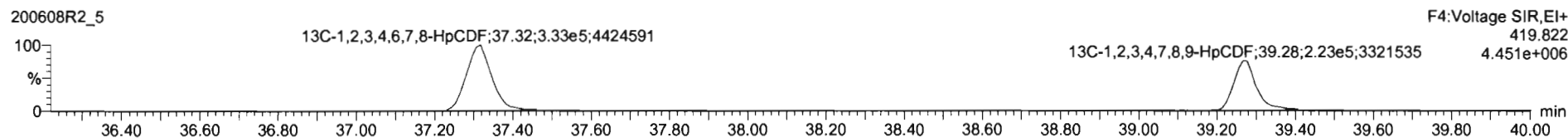
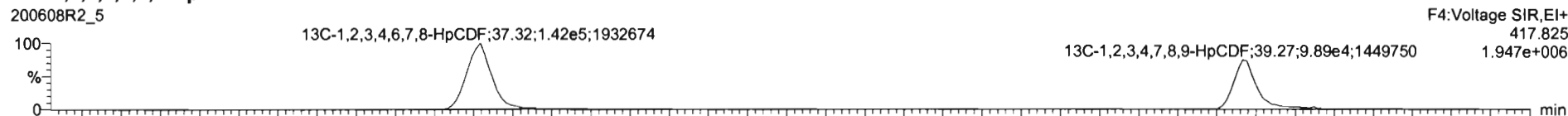
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Name: 200608R2_5, Date: 09-Jun-2020, Time: 03:18:01, ID: 2001037-13 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

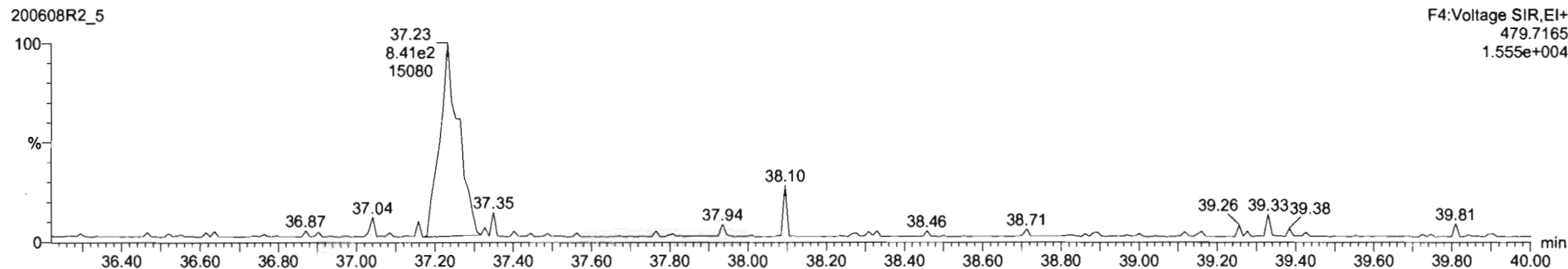
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13C-1,2,3,4,6,7,8-HpCDF

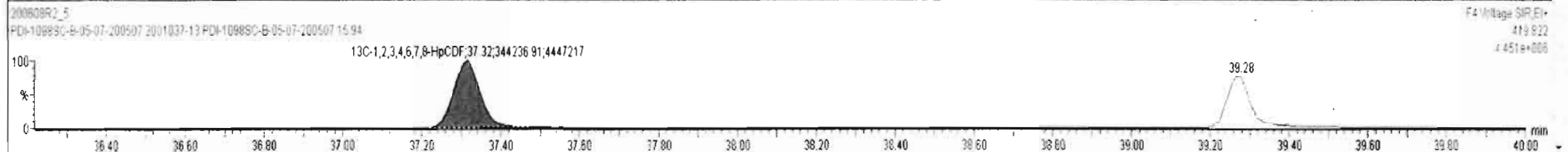
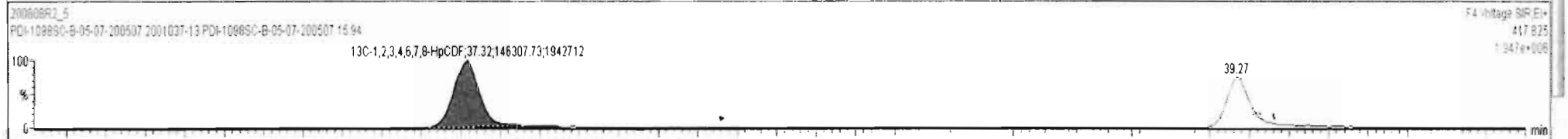
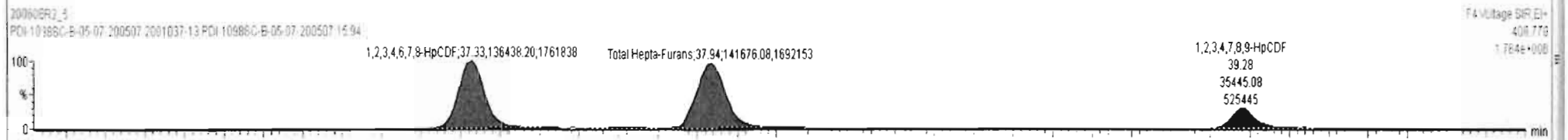
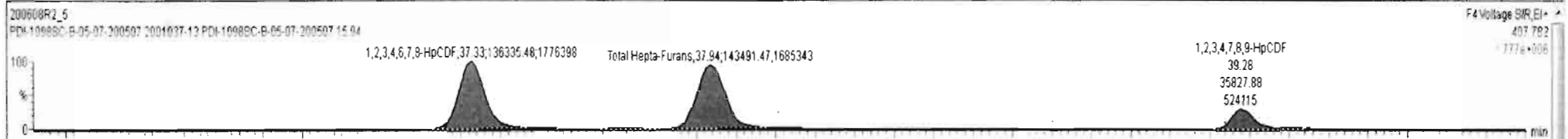


DPE4



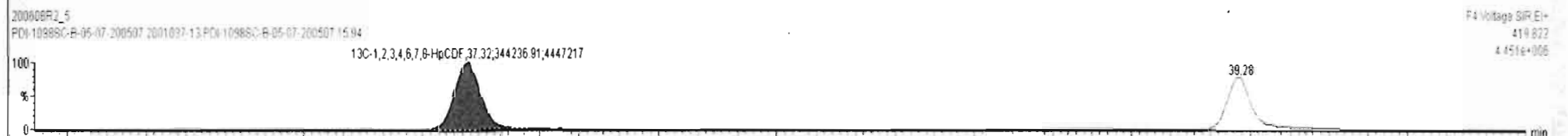
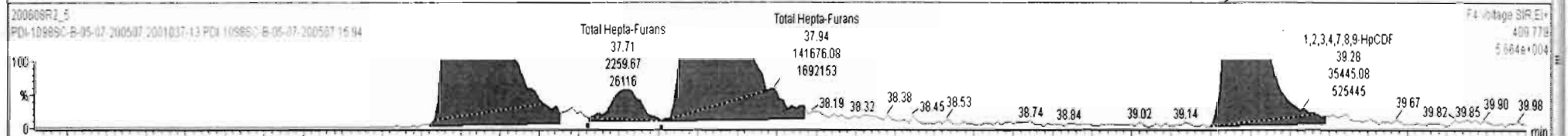
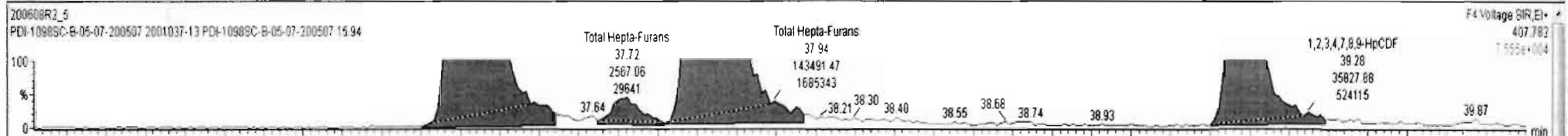
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.036			621		0.434	621
46 Total Hexa-Furans				0.9341	10.036			575		0.427	575
47 Total Hepta-Furans				0.8734	10.036			333		0.741	333

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	1.363e5	1.364e5	1.00	NO	126.87	126.87
2 Total Hepta-Furans	37.72	2.567e3	2.260e3	1.14	NO	2.7114	2.7114
3 Total Hepta-Furans	37.94	1.435e5	1.417e5	1.01	NO	160.19	160.19
4 1,2,3,4,7,8,9-HpCDF	39.28	3.583e4	3.545e4	1.01	NO	43.578	43.578



Name	Resp	RA	n/y	RRF	wAvol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.036			621		0.434	621
46 Total Hexa-Furans				0.9341	10.036			575		0.427	575
47 Total Hepta-Furans				0.8734	10.036			333		0.741	333

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	1.363e5	1.364e5	1.00	NO	126.87	126.87
2 Total Hepta-Furans	37.72	2.567e3	2.260e3	1.14	NO	2.7114	2.7114
3 Total Hepta-Furans	37.94	1.435e5	1.417e5	1.01	NO	160.19	160.19
4 1,2,3,4,7,8,9-HpCDF	39.28	3.583e4	3.545e4	1.01	NO	43.578	43.578

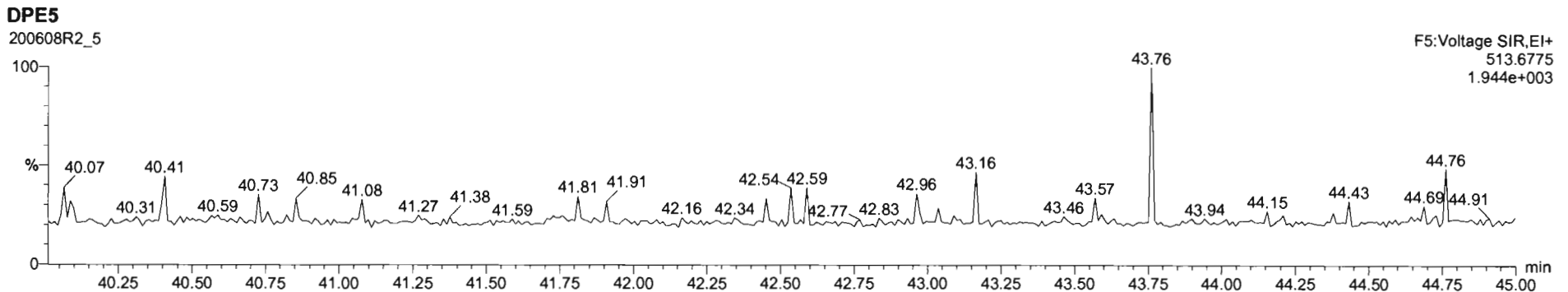
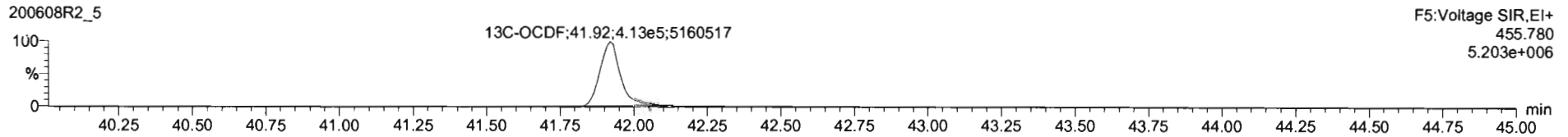
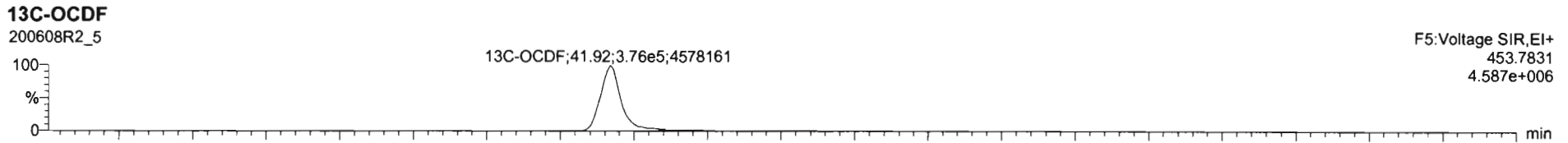
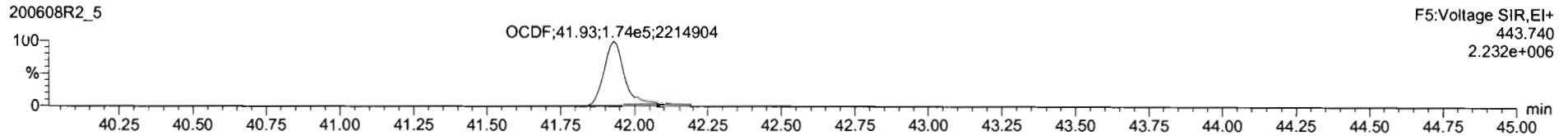
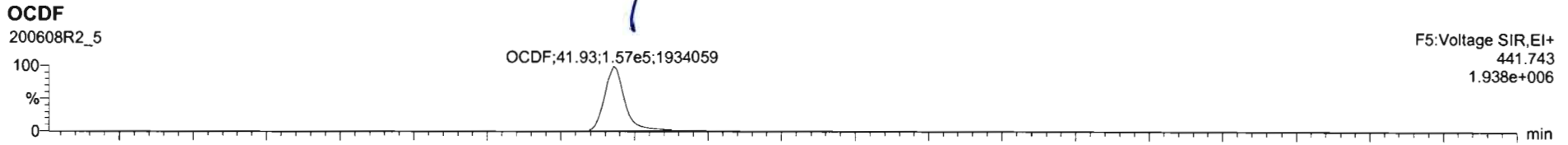


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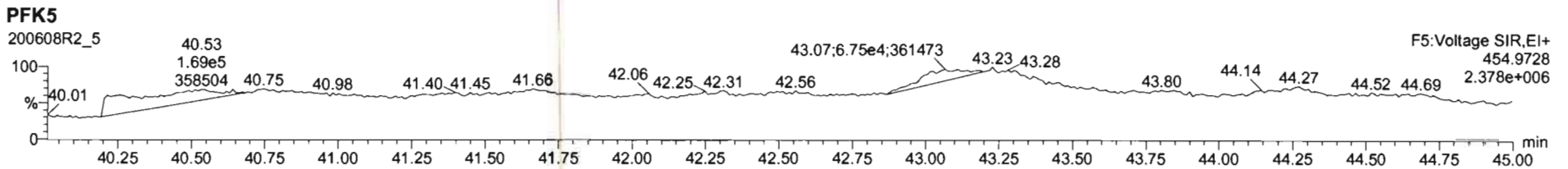
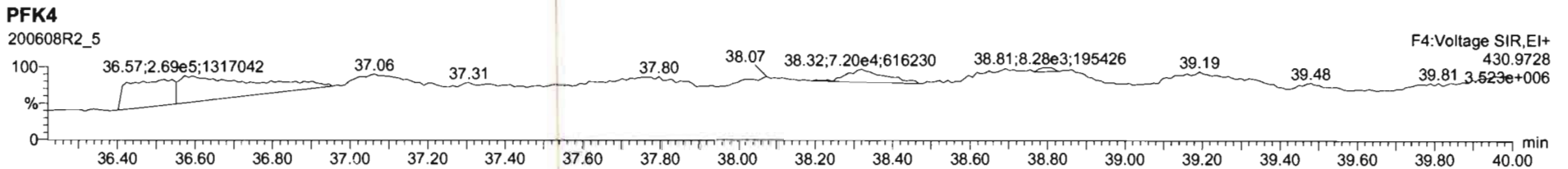
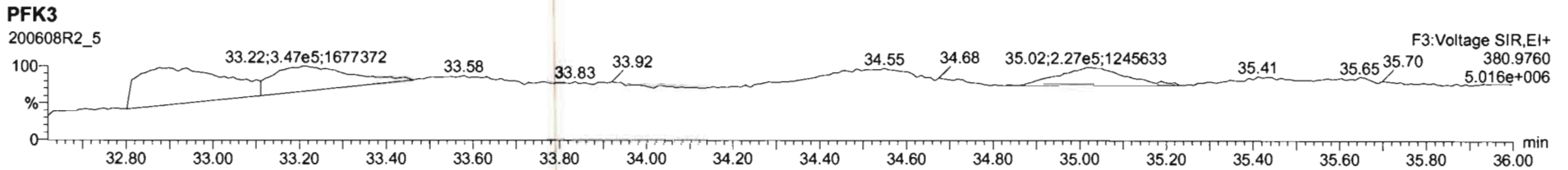
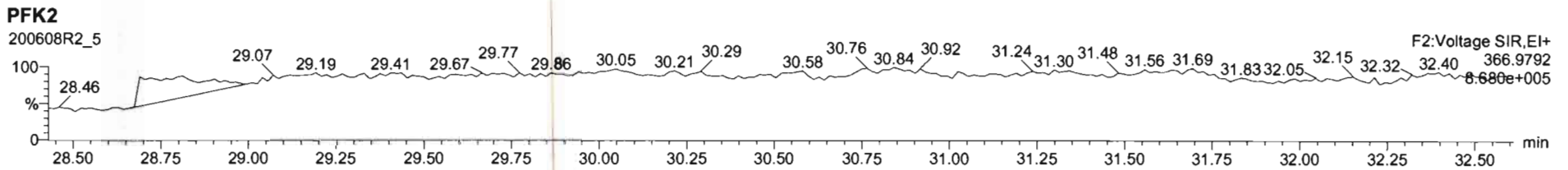
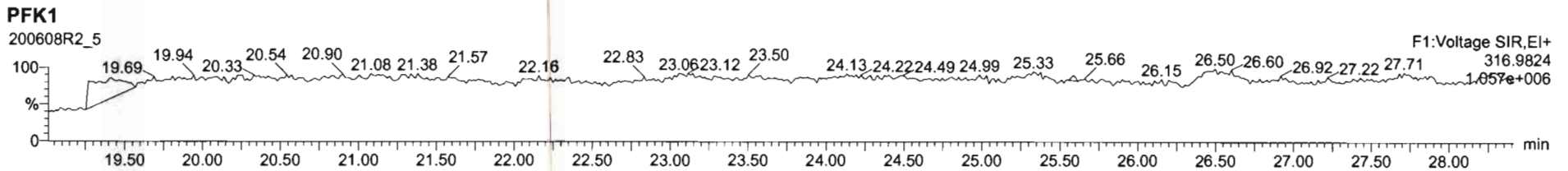
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Dataset: U:\VG12.PRO\Results\200608R2\200608R2-6.qld

Last Altered: Monday, June 15, 2020 10:57:35 Pacific Daylight Time
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Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	7.81e2	0.48	YES	0.888	10.052 ✓	26.471	26.48	1.001	1.002	0.21853		0.101	0.162
2	2 1,2,3,7,8-PeCDD	5.00e2	0.70	NO	0.908	10.052	31.442	31.47	1.001	1.001	0.19314		0.142	0.193
3	3 1,2,3,4,7,8-HxCDD	5.03e2	1.35	NO	1.03	10.052	34.814	34.81	1.000	1.000	0.24327		0.179	0.243
4	4 1,2,3,6,7,8-HxCDD	2.31e3	1.30	NO	0.892	10.052	34.900	34.92	1.000	1.001	1.0283		0.185	1.03
5	5 1,2,3,7,8,9-HxCDD	1.16e3	1.06	NO	0.887	10.052	35.199	35.21	1.000	1.001	0.57719		0.218	0.577
6	6 1,2,3,4,6,7,8-HpCDD	4.19e4	1.03	NO	0.864	10.052	38.735	38.73	1.000	1.000	29.458		0.674	29.5
7	7 OCDD	4.03e5	0.87	NO	0.914	10.052	41.716	41.73	1.000	1.000	328.86		0.681	329
8	8 2,3,7,8-TCDF	6.21e4	0.73	NO	0.751	10.052	25.566	25.57	1.001	1.001	15.287	ok	0.150	15.3
9	9 1,2,3,7,8-PeCDF	4.48e4	1.55	NO	0.893	10.052	30.159	30.15	1.001	1.001	10.942		0.223	10.9
10	10 2,3,4,7,8-PeCDF	2.17e4	1.51	NO	0.935	10.052	31.146	31.13	1.001	1.000	5.2696		0.201	5.27
11	11 1,2,3,4,7,8-HxCDF	4.52e4	1.20	NO	0.884	10.052	33.931	33.94	1.000	1.000	18.208		0.149	18.2
12	12 1,2,3,6,7,8-HxCDF	1.42e4	1.15	NO	0.889	10.052	34.058	34.06	1.000	1.000	4.8784		0.137	4.88
13	13 2,3,4,6,7,8-HxCDF	3.23e3	1.16	NO	0.934	10.052	34.669	34.64	1.001	1.000	1.2007		0.149	1.20
14	14 1,2,3,7,8,9-HxCDF	1.38e3	1.28	NO	0.871	10.052	35.549	35.58	1.000	1.001	0.65447		0.231	0.654
15	15 1,2,3,4,6,7,8-HpCDF	1.87e4	1.04	NO	0.873	10.052	37.344	37.33	1.001	1.001	9.8035		0.207	9.80
16	16 1,2,3,4,7,8,9-HpCDF	3.69e3	1.03	NO	1.01	10.052	39.288	39.30	1.000	1.000	2.8104		0.263	2.81
17	17 OCDF	2.45e4	0.86	NO	0.806	10.052	41.897	41.92	1.000	1.001	18.876		0.231	18.9
18	18 13C-2,3,7,8-TCDD	8.01e5	0.79	NO	1.16	10.052	26.461	26.44	1.026	1.026	197.17	99.1	0.219	
19	19 13C-1,2,3,7,8-PeCDD	5.67e5	0.64	NO	0.849	10.052	31.637	31.42	1.227	1.219	190.23	95.6	0.369	
20	20 13C-1,2,3,4,7,8-HxCDD	3.98e5	1.33	NO	0.779	10.052	34.809	34.80	1.014	1.014	164.02	82.4	0.585	
21	21 13C-1,2,3,6,7,8-HxCDD	5.00e5	1.23	NO	1.02	10.052	34.922	34.90	1.017	1.017	157.84	79.3	0.448	
22	22 13C-1,2,3,7,8,9-HxCDD	4.49e5	1.25	NO	0.903	10.052	35.193	35.19	1.025	1.025	159.83	80.3	0.505	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.27e5	1.05	NO	0.689	10.052	38.715	38.72	1.128	1.128	152.48	76.6	0.486	
24	24 13C-OCDD	5.34e5	0.93	NO	0.652	10.052	41.736	41.72	1.216	1.215	262.93	66.1	0.467	
25	25 13C-2,3,7,8-TCDF	1.08e6	0.77	NO	1.06	10.052	25.504	25.54	0.989	0.991	187.54	94.3	0.350	
26	26 13C-1,2,3,7,8-PeCDF	9.12e5	1.62	NO	0.838	10.052	30.023	30.14	1.165	1.169	200.68	101	0.726	
27	27 13C-2,3,4,7,8-PeCDF	8.77e5	1.61	NO	0.817	10.052	30.975	31.11	1.202	1.207	198.08	99.6	0.745	
28	28 13C-1,2,3,4,7,8-HxCDF	5.59e5	0.50	NO	1.01	10.052	33.941	33.93	0.989	0.989	178.10	89.5	0.811	
29	29 13C-1,2,3,6,7,8-HxCDF	6.52e5	0.51	NO	1.17	10.052	34.064	34.05	0.992	0.992	179.41	90.2	0.700	
30	30 13C-2,3,4,6,7,8-HxCDF	5.73e5	0.51	NO	1.02	10.052	34.637	34.63	1.009	1.009	180.14	90.5	0.800	

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-6.qld

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Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	4.81e5	0.52	NO	0.860	10.052	35.537	35.55	1.035	1.036	179.66	90.3	0.951	
32	13C-1,2,3,4,6,7,8-HpCDF	4.34e5	0.43	NO	0.774	10.052	37.284	37.31	1.086	1.087	179.69	90.3	0.590	
33	13C-1,2,3,4,7,8,9-HpCDF	2.58e5	0.43	NO	0.521	10.052	39.312	39.29	1.145	1.145	159.03	79.9	0.877	
34	13C-OCDF	6.41e5	0.88	NO	0.746	10.052	41.907	41.90	1.221	1.221	275.93	69.3	0.534	
35	37Cl-2,3,7,8-TCDD	2.99e5			1.04	10.052	26.492	26.47	1.028	1.027	82.063	103	0.0790	
36	13C-1,2,3,4-TCDD	6.99e5	0.80	NO	1.00	10.052	25.890	25.78	1.000	1.000	198.97	100	0.253	
37	13C-1,2,3,4-TCDF	1.08e6	0.80	NO	1.00	10.052	24.360	24.09	1.000	1.000	198.97	100	0.371	
38	13C-1,2,3,4,6,9-HxCDF	6.20e5	0.51	NO	1.00	10.052	34.420	34.33	1.000	1.000	198.97	100	0.817	
39	Total Tetra-Dioxins				0.888	10.052	24.620		0.000		124.50		0.101	125
40	Total Penta-Dioxins				0.908	10.052	29.960		0.000		2.8093		0.142	3.27
41	Total Hexa-Dioxins				0.892	10.052	33.635		0.000		14.002		0.202	14.0
42	Total Hepta-Dioxins				0.864	10.052	37.640		0.000		112.16		0.674	112
43	Total Tetra-Furans				0.751	10.052	23.610		0.000		44.336		0.150	49.1
44	1st Func. Penta-Furans				0.893	10.052	27.580		0.000		1.9175		0.0419	1.92
45	Total Penta-Furans				0.893	10.052	29.275		0.000		28.335		0.217	29.3 P
46	Total Hexa-Furans				0.934	10.052	33.555		0.000		32.516		0.156	33.2
47	Total Hepta-Furans				0.873	10.052	37.835		0.000		23.053		0.244	23.1

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-6.qld

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

Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.43	1.815e6	2.393e6	1.715e5	2.249e5	0.76	NO	3.964e5	110.88	110.88	0.101
2	Total Tetra-Dioxins	22.86	1.500e5	2.047e5	1.578e4	2.060e4	0.77	NO	3.639e4	10.177	10.177	0.101
3	Total Tetra-Dioxins	23.37	4.298e3	5.878e3	4.457e2	5.243e2	0.85	NO	9.699e2	0.27128	0.27128	0.101
4	Total Tetra-Dioxins	24.25	3.691e3	4.603e3	2.090e2	2.682e2	0.78	NO	4.772e2	0.13348	0.13348	0.101
5	Total Tetra-Dioxins	24.51	8.030e3	1.573e4	8.208e2	1.106e3	0.74	NO	1.926e3	0.53880	0.53880	0.101
6	Total Tetra-Dioxins	24.76	1.761e4	2.499e4	1.370e3	1.889e3	0.73	NO	3.259e3	0.91148	0.91148	0.101
7	Total Tetra-Dioxins	25.41	2.530e4	2.956e4	1.717e3	2.296e3	0.75	NO	4.014e3	1.1226	1.1226	0.101
8	Total Tetra-Dioxins	26.20	8.967e3	1.251e4	7.475e2	9.272e2	0.81	NO	1.675e3	0.46839	0.46839	0.101
9	2,3,7,8-TCDD	26.48	3.335e3	7.591e3	2.520e2	5.294e2	0.48	YES	7.813e2	0.00000	0.16199	0.101

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.22	1.977e4	2.628e4	1.230e3	1.933e3	0.64	NO	3.163e3	1.2218	1.2218	0.142
2	Total Penta-Dioxins	29.68	5.485e3	8.910e3	2.548e2	4.783e2	0.53	YES	0.000e0	0.00000	0.25467	0.142
3	Total Penta-Dioxins	30.20	7.146e3	1.286e4	5.818e2	8.116e2	0.72	NO	1.393e3	0.53821	0.53821	0.142
4	Total Penta-Dioxins	30.37	4.227e3	5.889e3	2.076e2	3.012e2	0.69	NO	5.088e2	0.19651	0.19651	0.142
5	Total Penta-Dioxins	30.47	3.542e3	6.463e3	2.658e2	4.229e2	0.63	NO	6.887e2	0.26602	0.26602	0.142
6	Total Penta-Dioxins	30.67	5.407e3	7.868e3	3.628e2	6.563e2	0.55	NO	1.019e3	0.39362	0.39362	0.142
7	Total Penta-Dioxins	31.02	4.672e3	3.505e3	1.920e2	2.018e2	0.95	YES	0.000e0	0.00000	0.12702	0.142
8	1,2,3,7,8-PeCDD	31.47	3.541e3	6.988e3	2.052e2	2.948e2	0.70	NO	5.000e2	0.19314	0.19314	0.142
9	Total Penta-Dioxins	31.83	3.557e3	3.141e3	1.200e2	1.284e2	0.93	YES	0.000e0	0.00000	0.080861	0.142

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-6.qld

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Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	1.260e5	9.835e4	6.403e3	5.172e3	1.24	NO	1.157e4	5.7467	5.7467	0.202
2	Total Hexa-Dioxins	33.87	1.485e4	1.440e4	7.382e2	6.399e2	1.15	NO	1.378e3	0.68420	0.68420	0.202
3	Total Hexa-Dioxins	34.13	8.547e4	6.118e4	5.615e3	4.411e3	1.27	NO	1.003e4	4.9779	4.9779	0.202
4	Total Hexa-Dioxins	34.24	1.668e4	1.156e4	8.667e2	6.324e2	1.37	NO	1.499e3	0.74429	0.74429	0.202
5	1,2,3,4,7,8-HxCDD	34.81	5.654e3	4.016e3	2.888e2	2.141e2	1.35	NO	5.029e2	0.24327	0.24327	0.179
6	1,2,3,6,7,8-HxCDD	34.92	2.271e4	1.447e4	1.302e3	1.003e3	1.30	NO	2.305e3	1.0283	1.0283	0.185
7	1,2,3,7,8,9-HxCDD	35.21	9.303e3	7.612e3	5.946e2	5.617e2	1.06	NO	1.156e3	0.57719	0.57719	0.218

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	7.751e5	7.443e5	5.882e4	5.872e4	1.00	NO	1.175e5	82.698	82.698	0.674
2	1,2,3,4,6,7,8-HpCDD	38.73	2.774e5	2.721e5	2.123e4	2.064e4	1.03	NO	4.187e4	29.458	29.458	0.674

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-6.qld

Last Altered: Monday, June 15, 2020 10:57:35 Pacific Daylight Time

Printed: Monday, June 15, 2020 11:08:12 Pacific Daylight Time

Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.32	4.916e3	6.585e3	4.906e2	5.649e2	0.87	NO	1.055e3	0.25969	0.25969	0.150
2	Total Tetra-Furans	20.84	7.446e3	8.562e3	5.041e2	7.161e2	0.70	NO	1.220e3	0.30021	0.30021	0.150
3	Total Tetra-Furans	21.42	1.005e5	1.265e5	8.791e3	1.195e4	0.74	NO	2.074e4	5.1035	5.1035	0.150
4	Total Tetra-Furans	21.96	2.306e4	2.485e4	2.820e3	3.476e3	0.81	NO	6.297e3	1.5493	1.5493	0.150
5	Total Tetra-Furans	22.40	5.993e4	8.149e4	6.174e3	8.486e3	0.73	NO	1.466e4	3.6069	3.6069	0.150
6	Total Tetra-Furans	22.91	2.302e4	2.978e4	2.302e3	2.777e3	0.83	NO	5.079e3	1.2497	1.2497	0.150
7	Total Tetra-Furans	23.04	6.122e3	9.547e3	5.481e2	7.113e2	0.77	NO	1.259e3	0.30986	0.30986	0.150
8	Total Tetra-Furans	23.28	1.203e4	2.297e4	1.088e3	1.775e3	0.61	YES	0.000e0	0.00000	0.61533	0.150
9	Total Tetra-Furans	23.70	4.049e3	4.772e3	2.699e2	4.422e2	0.61	YES	0.000e0	0.00000	0.15268	0.150
10	Total Tetra-Furans	23.82	4.916e3	6.836e3	4.332e2	5.264e2	0.82	NO	9.597e2	0.23612	0.23612	0.150
11	Total Tetra-Furans	24.03	1.738e4	2.284e4	1.401e3	1.718e3	0.82	NO	3.119e3	0.76748	0.76748	0.150
12	Total Tetra-Furans	24.09	3.875e4	5.228e4	3.864e3	5.130e3	0.75	NO	0.000e0	0.00000	2.2129	0.150
13	Total Tetra-Furans	24.61	2.642e5	3.438e5	2.125e4	2.778e4	0.76	NO	4.903e4	12.063	12.063	0.150
14	Total Tetra-Furans	24.90	1.545e4	1.989e4	1.289e3	1.602e3	0.80	NO	2.891e3	0.71136	0.71136	0.150
15	Total Tetra-Furans	25.11	5.050e3	6.420e3	4.675e2	6.012e2	0.78	NO	1.069e3	0.26295	0.26295	0.150
16	Total Tetra-Furans	25.35	5.766e3	9.107e3	3.514e2	5.031e2	0.70	NO	8.544e2	0.21023	0.21023	0.150
17	Total Tetra-Furans	25.47	4.518e4	5.158e4	2.489e3	3.341e3	0.75	NO	5.830e3	1.4344	1.4344	0.150
18	2,3,7,8-TCDF	25.57	3.267e5	4.788e5	2.626e4	3.587e4	0.73	NO	6.213e4	15.287	15.287	0.150
19	Total Tetra-Furans	25.94	1.782e4	2.514e4	1.456e3	1.871e3	0.78	NO	3.328e3	0.81874	0.81874	0.150
20	Total Tetra-Furans	26.18	3.626e3	6.309e3	2.710e2	3.991e2	0.68	NO	6.701e2	0.16487	0.16487	0.150
21	Total Tetra-Furans	27.56	7.018e4	6.679e4	4.811e3	4.188e3	1.15	YES	0.000e0	0.00000	1.8238	0.150

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.56	7.751e4	4.189e4	4.901e3	2.793e3	1.75	NO	7.693e3	1.9175	1.9175	0.0419

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Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.01	1.421e4	1.223e4	6.519e2	5.637e2	1.16	YES	0.000e0	0.00000	0.26730	0.217
2	Total Penta-Furans	29.16	2.385e5	1.444e5	1.488e4	9.768e3	1.52	NO	2.464e4	6.1426	6.1426	0.217
3	Total Penta-Furans	29.74	2.424e4	2.195e4	1.686e3	1.976e3	0.85	YES	0.000e0	0.00000	0.69135	0.217
4	Total Penta-Furans	29.97	4.345e4	3.194e4	2.511e3	1.817e3	1.38	NO	4.328e3	1.0786	1.0786	0.217
5	1,2,3,7,8-PeCDF	30.15	4.733e5	3.014e5	2.719e4	1.756e4	1.55	NO	4.475e4	10.942	10.942	0.223
6	Total Penta-Furans	30.41	1.365e5	8.218e4	8.303e3	4.943e3	1.68	NO	1.325e4	3.3016	3.3016	0.217
7	2,3,4,7,8-PeCDF	31.13	2.302e5	1.434e5	1.305e4	8.660e3	1.51	NO	2.171e4	5.2696	5.2696	0.201
8	Total Penta-Furans	31.18	1.250e5	8.924e4	3.095e3	1.876e3	1.65	NO	4.970e3	1.2389	1.2389	0.217
9	Total Penta-Furans	32.06	1.414e4	1.134e4	8.943e2	5.563e2	1.61	NO	1.451e3	0.36157	0.36157	0.217

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.76	1.914e4	1.894e4	9.340e2	9.596e2	0.97	YES	0.000e0	0.00000	0.63446	0.156
2	Total Hexa-Furans	32.93	7.788e4	6.871e4	4.287e3	3.755e3	1.14	NO	8.042e3	3.0241	3.0241	0.156
3	Total Hexa-Furans	33.47	1.008e5	8.250e4	5.024e3	4.180e3	1.20	NO	9.204e3	3.4611	3.4611	0.156
4	1,2,3,4,7,8-HxCDF	33.94	4.266e5	3.775e5	2.470e4	2.054e4	1.20	NO	4.524e4	18.208	18.208	0.149
5	1,2,3,6,7,8-HxCDF	34.06	1.266e5	1.105e5	7.619e3	6.600e3	1.15	NO	1.422e4	4.8784	4.8784	0.137
6	2,3,4,6,7,8-HxCDF	34.64	2.985e4	2.506e4	1.738e3	1.495e3	1.16	NO	3.233e3	1.2007	1.2007	0.149
7	1,2,3,7,8,9-HxCDF	35.58	2.792e4	2.033e4	7.725e2	6.053e2	1.28	NO	1.378e3	0.65447	0.65447	0.231
8	Total Hexa-Furans	35.59	3.678e4	2.546e4	1.672e3	1.225e3	1.36	NO	2.897e3	1.0895	1.0895	0.156

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.33	1.327e5	1.186e5	9.528e3	9.129e3	1.04	NO	1.866e4	9.8035	9.8035	0.207
2	Total Hepta-Furans	37.95	9.004e4	1.022e5	7.876e3	7.971e3	0.99	NO	1.585e4	10.439	10.439	0.244
3	1,2,3,4,7,8,9-HpCDF	39.30	2.899e4	2.627e4	1.877e3	1.816e3	1.03	NO	3.693e3	2.8104	2.8104	0.263

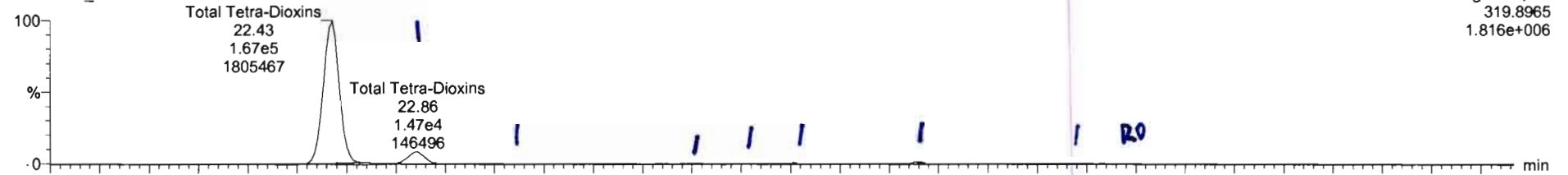
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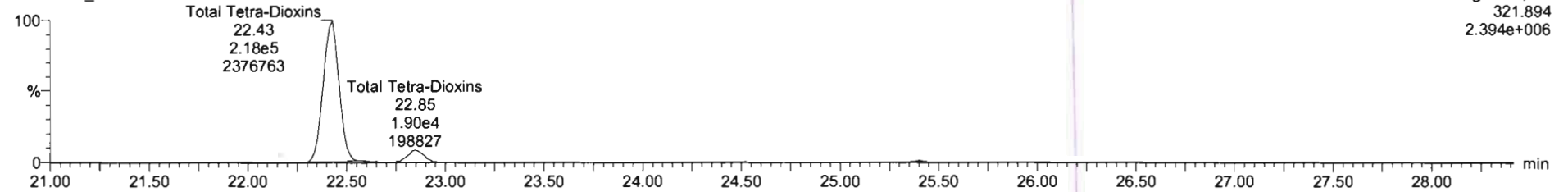
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2,3,7,8-TCDD

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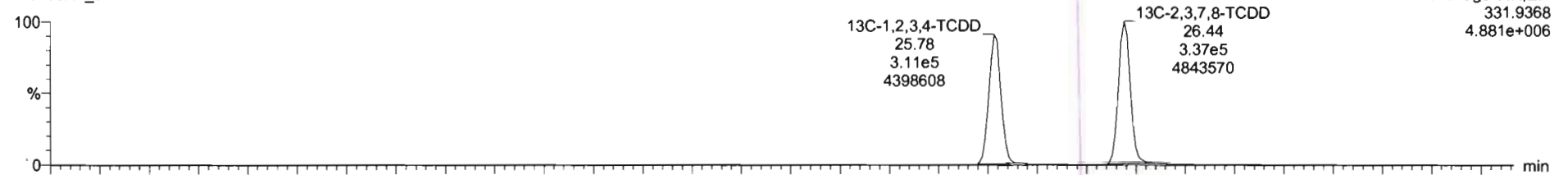


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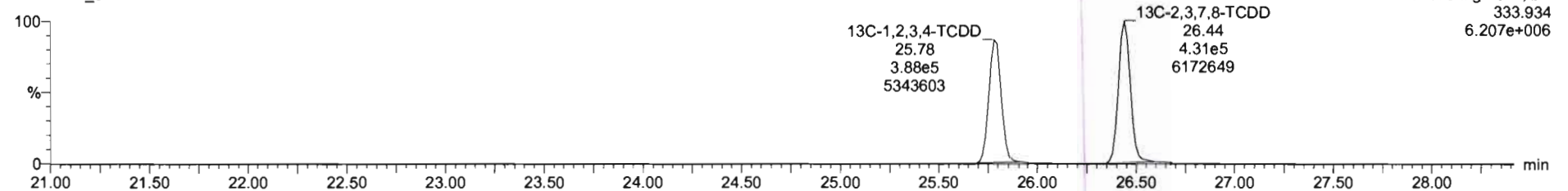


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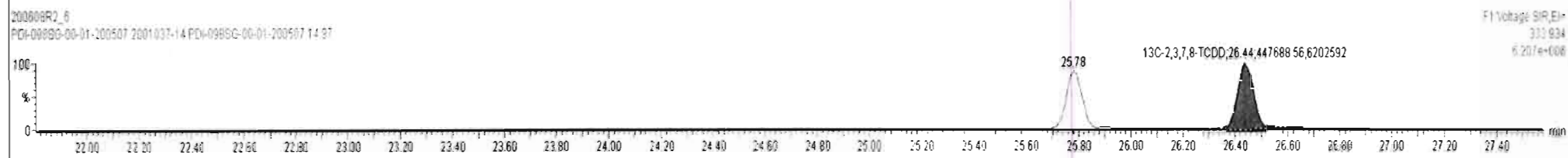
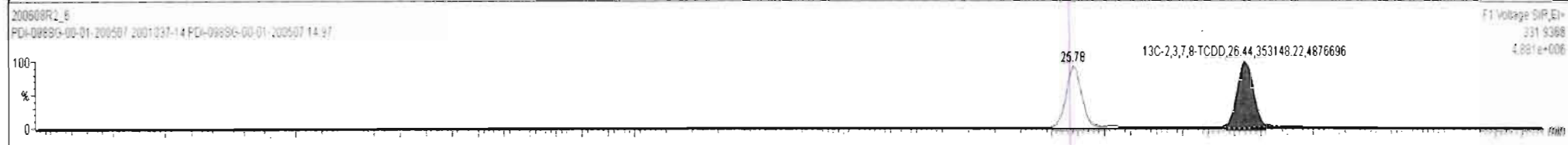
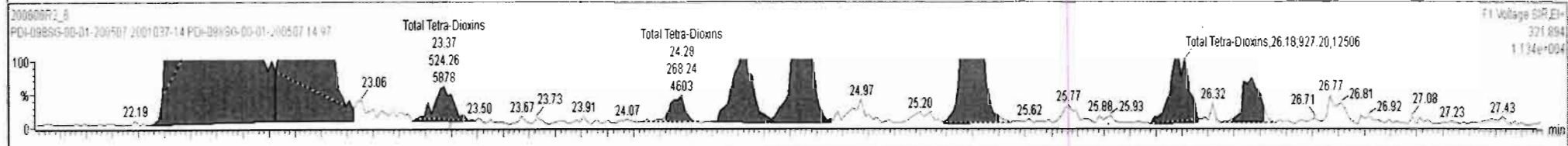
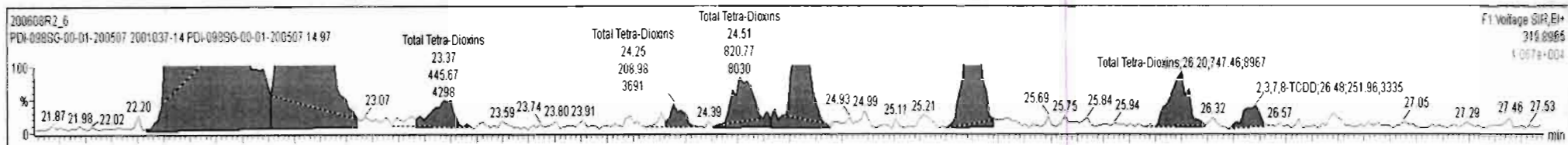


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Name	Resp	RA	nY	RRF	wtAol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.052			125	0.101	125	
40 Total Penta-Dioxins				0.9081	10.052			2.11	0.142	2.79	
41 Total Hexa-Dioxins				0.8923	10.052			12.5	0.202	13.5	

Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
1 Total Tetra-Dioxins	22.43	1.715e5	2.249e5	0.76	NO	110.88	110.88
2 Total Tetra-Dioxins	22.86	1.578e4	2.060e4	0.77	NO	10.177	10.177
3 Total Tetra-Dioxins	23.37	4.457e2	5.243e2	0.85	NO	0.27128	0.27128
4 Total Tetra-Dioxins	24.25	2.090e2	2.682e2	0.76	NO	0.13348	0.13348
5 Total Tetra-Dioxins	24.51	8.208e2	1.106e3	0.74	NO	0.53680	0.53680
6 Total Tetra-Dioxins	24.76	1.370e3	1.889e3	0.73	NO	0.91148	0.91148
7 Total Tetra-Dioxins	25.41	1.717e3	2.296e3	0.75	NO	1.1226	1.1226
8 Total Tetra-Dioxins	26.20	7.475e2	9.272e2	0.81	NO	0.46839	0.46839
9 2,3,7,8-TCDD	26.48	2.520e2	5.294e2	0.48	YES	0.16199	0.00000

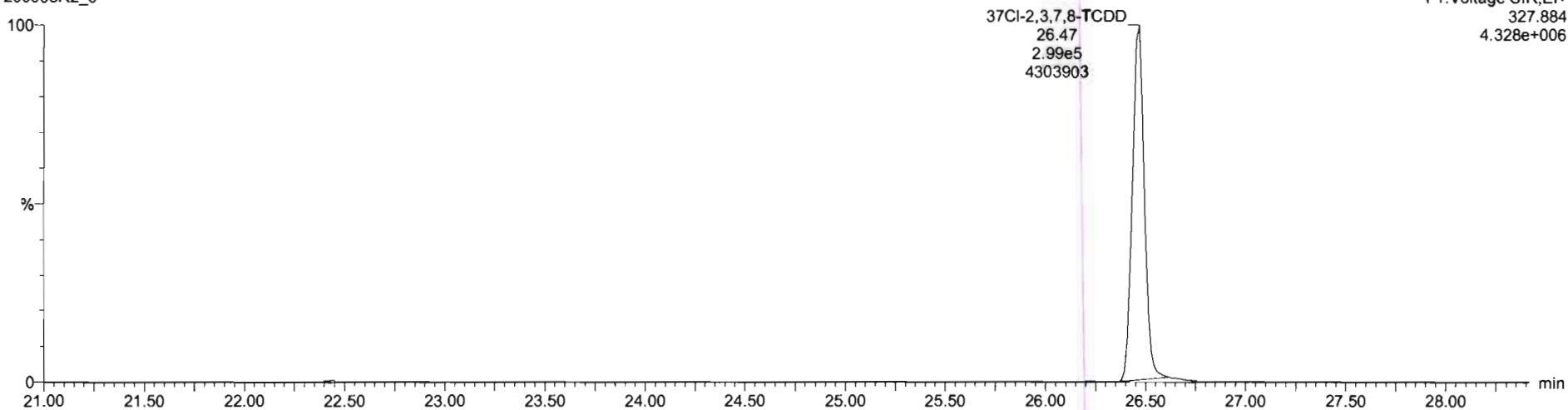


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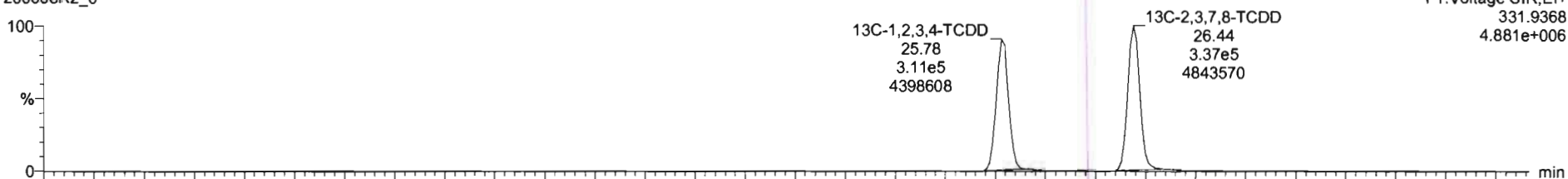
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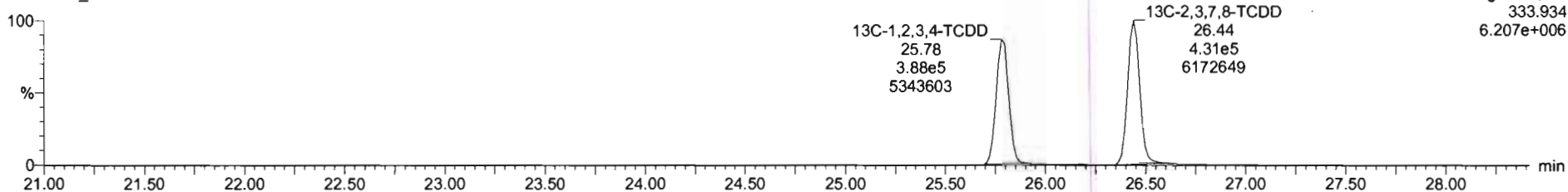
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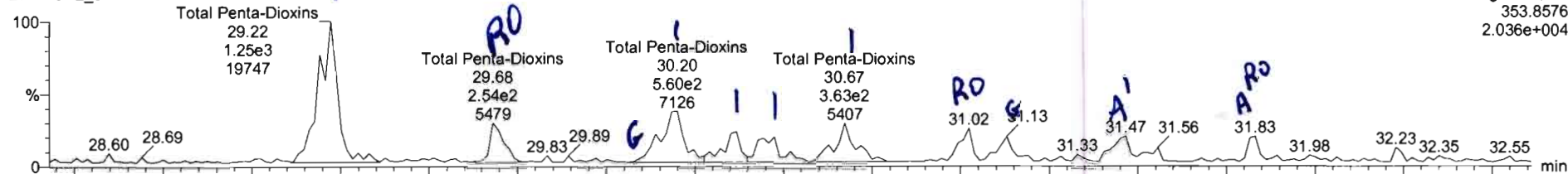
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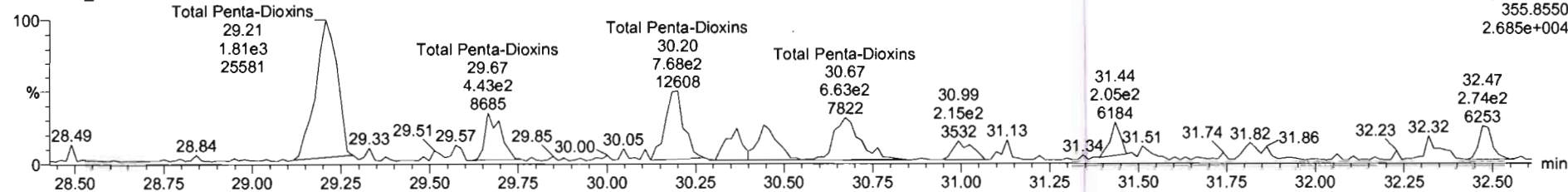
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1,2,3,7,8-PeCDD

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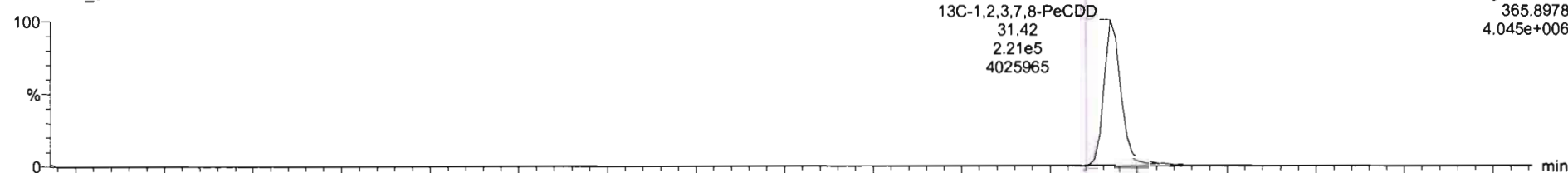


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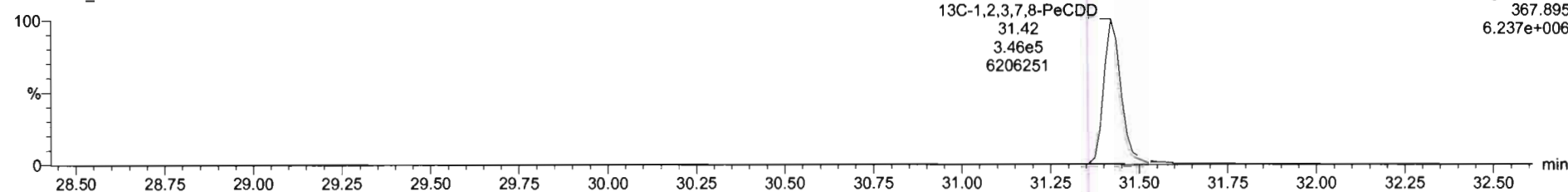


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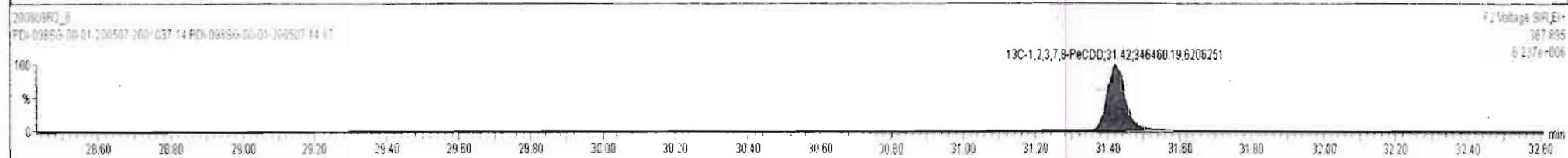
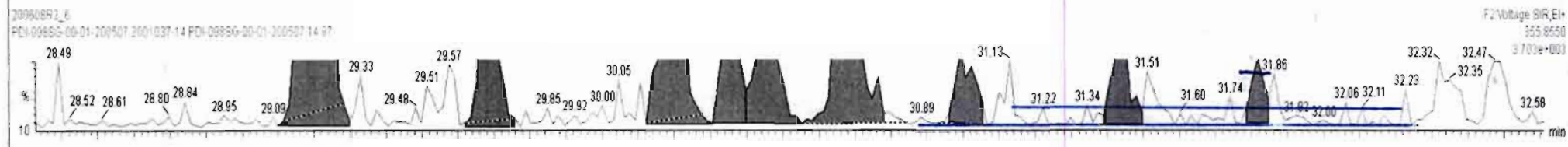
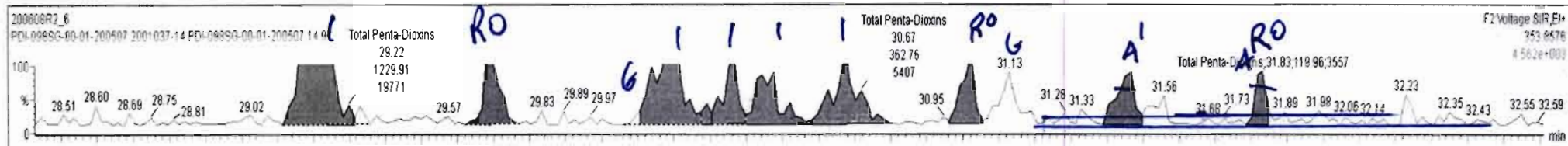


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Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.052			2.81		0.142	3.27
41 Total Hexa-Dioxins				0.8923	10.052			12.5		0.202	13.5
42 Total Hepta-Dioxins				0.8639	10.052			112		0.672	112

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.22	1.230e3	1.933e3	0.64	NO	1.2218	1.2218
2 Total Penta-Dioxins	29.68	2.548e2	4.783e2	0.53	YES	0.25467	0.00000
3 Total Penta-Dioxins	30.20	5.818e2	8.116e2	0.72	NO	0.53821	0.53821
4 Total Penta-Dioxins	30.37	2.076e2	3.012e2	0.69	NO	0.19651	0.19651
5 Total Penta-Dioxins	30.47	2.658e2	4.229e2	0.63	NO	0.26602	0.26602
6 Total Penta-Dioxins	30.67	3.626e2	5.563e2	0.55	NO	0.39352	0.39362
7 Total Penta-Dioxins	31.02	1.920e2	2.018e2	0.95	YES	0.12702	0.00000
8 1,2,3,7,8-PeCDD	31.47	2.052e2	2.949e2	0.70	NO	0.19314	0.19314
9 Total Penta-Dioxins	31.83	1.200e2	1.294e2	0.93	YES	0.080861	0.00000



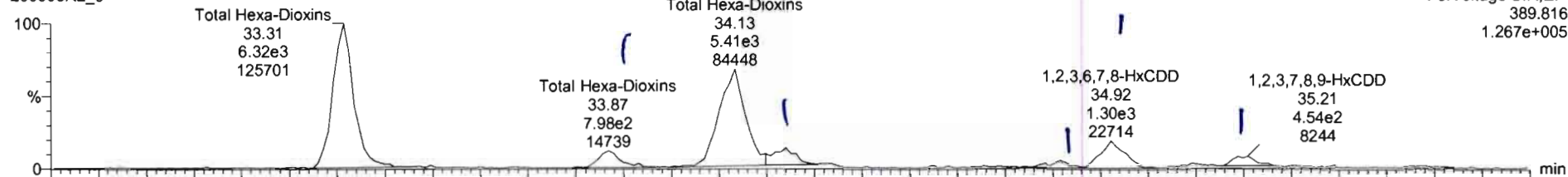
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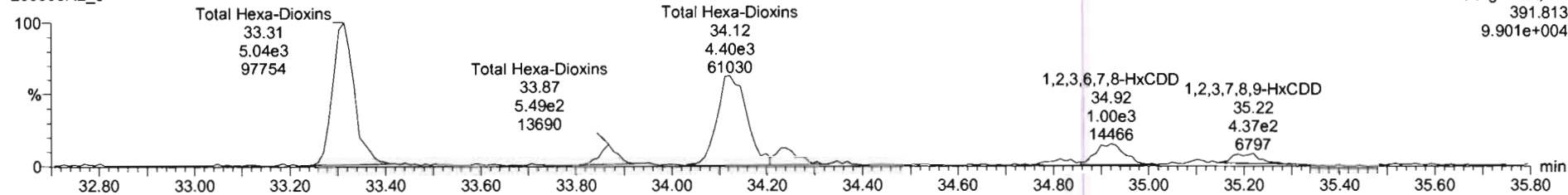
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1,2,3,4,7,8-HxCDD

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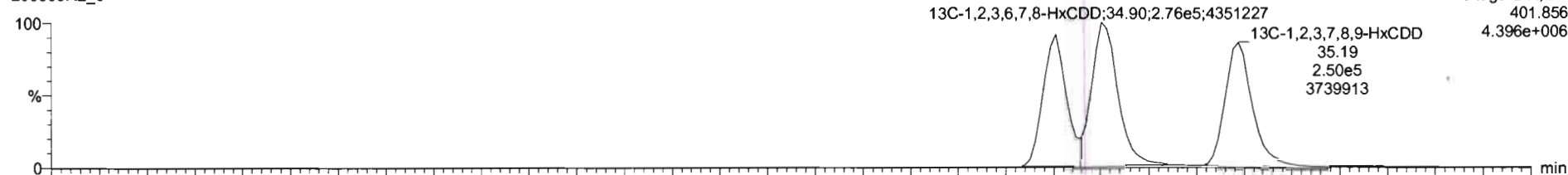


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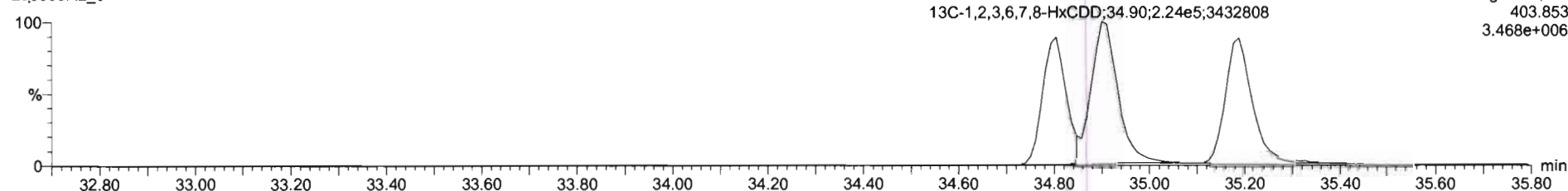


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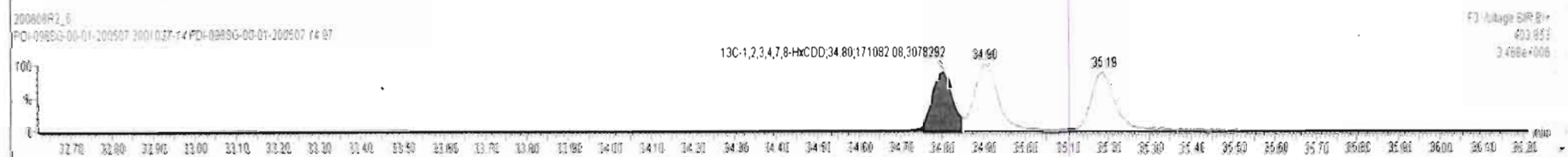
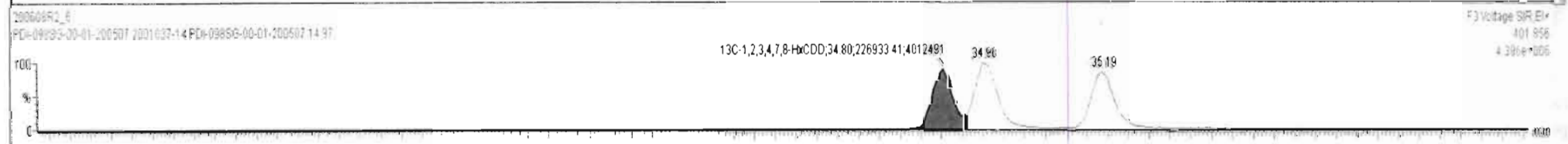
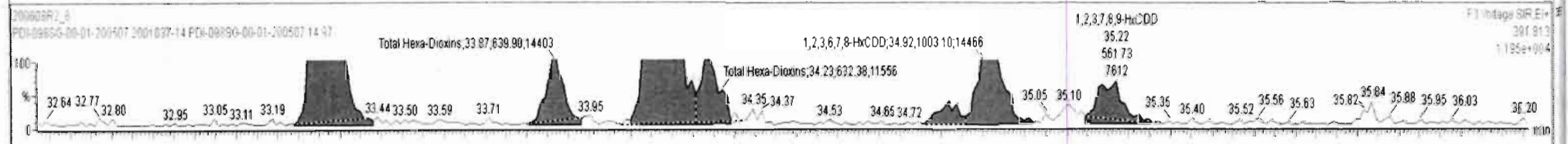
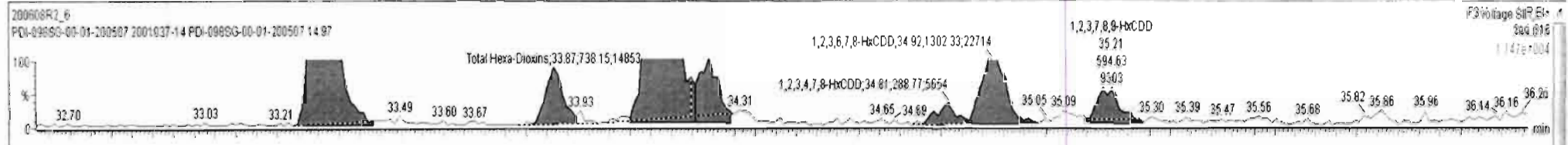


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Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.052			2.81		0.142	3.27
41 Total Hexa-Dioxins				0.8923	10.052			14.0		0.202	14.0
42 Total Hepta-Dioxins				0.8639	10.052			112		0.672	112

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.31	6.403e3	5.172e3	1.24	NO	5.7467	5.7467
2 Total Hexa-Dioxins	33.87	7.382e2	6.399e2	1.15	NO	0.69420	0.69420
3 Total Hexa-Dioxins	34.13	5.615e3	4.411e3	1.27	NO	4.9779	4.9779
4 Total Hexa-Dioxins	34.24	8.667e2	6.324e2	1.37	NO	0.74429	0.74429
5 1,2,3,4,7,8-HxCDD	34.81	2.888e2	2.141e2	1.35	NO	0.24327	0.24327
6 1,2,3,6,7,8-HxCDD	34.92	1.302e3	1.003e3	1.30	NO	1.0283	1.0283
7 1,2,3,7,8,9-HxCDD	35.21	5.946e2	5.617e2	1.06	NO	0.57719	0.57719



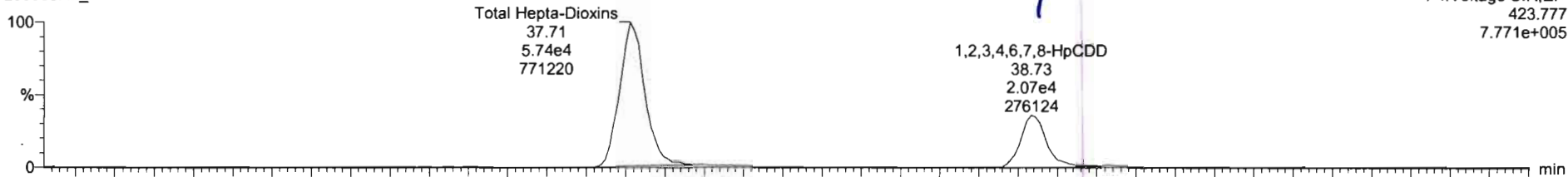
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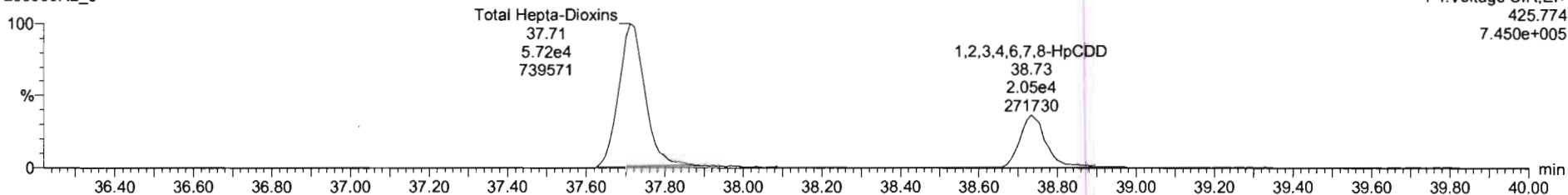
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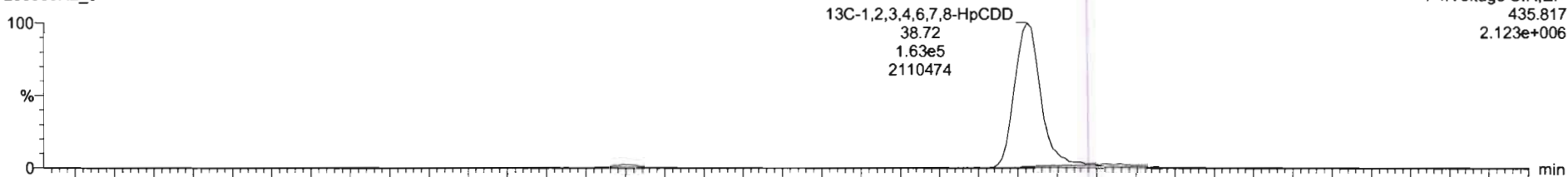


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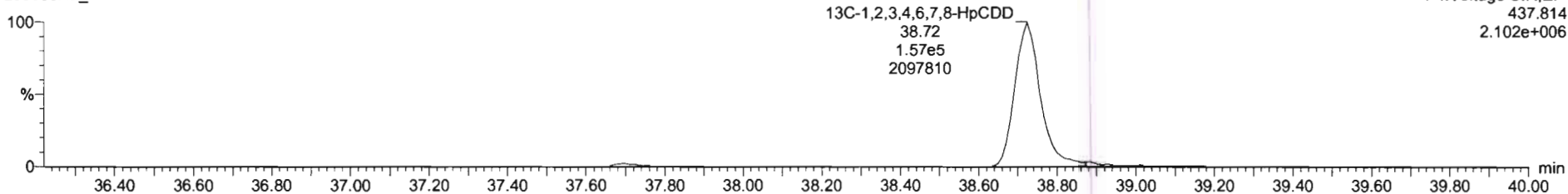


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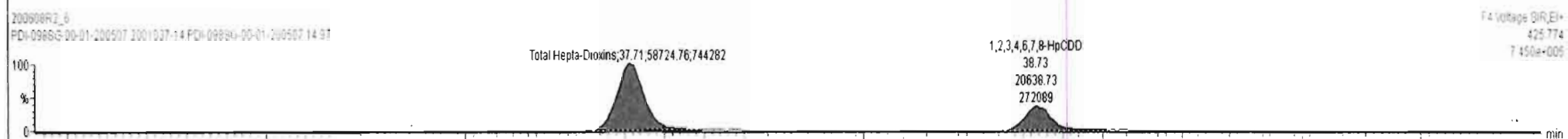
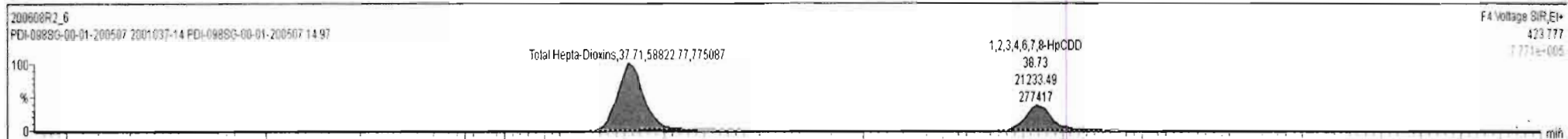


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Name	Resp	RA	nly	RRF	wAol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.9081	10.052			2.81		0.142	3.27
41 Total Hexa-Dioxins				0.8923	10.052			14.0		0.202	14.0
42 Total Hepta-Dioxins				0.8639	10.052			112		0.674	112

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hepta-Dioxins	37.71	5.882e4	5.872e4	1.00	NO	82.698	82.698
2 1,2,3,4,6,7,8-HpCDD	38.73	2.123e4	2.064e4	1.03	NO	29.458	29.458



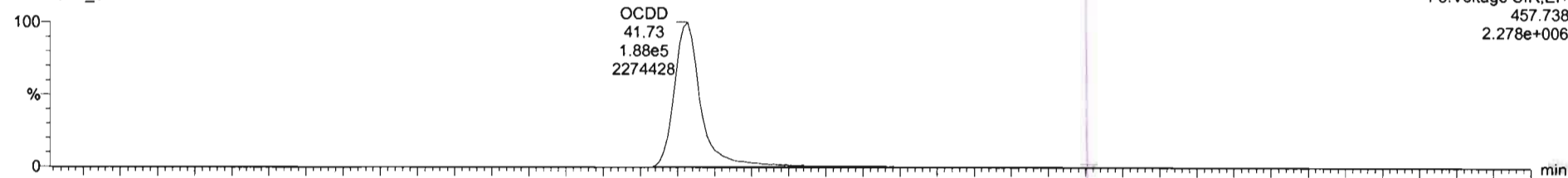
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Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

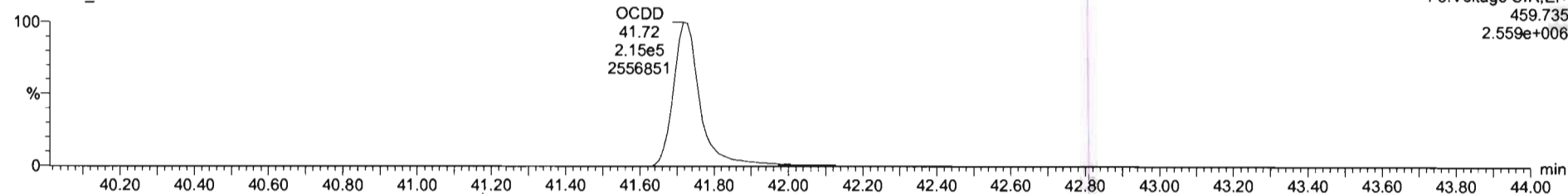
OCDD

200608R2_6



F5:Voltage SIR,EI+
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2.278e+006

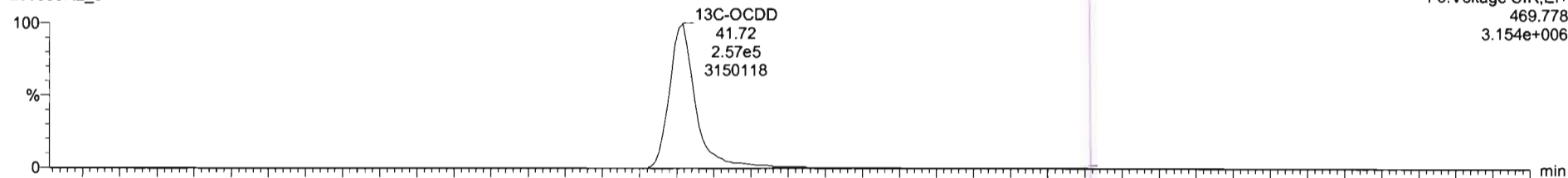
200608R2_6



F5:Voltage SIR,EI+
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2.559e+006

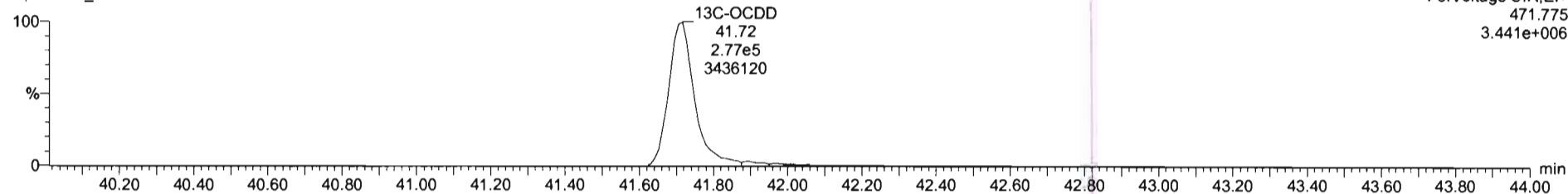
13C-OCDD

200608R2_6



F5:Voltage SIR,EI+
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200608R2_6



F5:Voltage SIR,EI+
471.775
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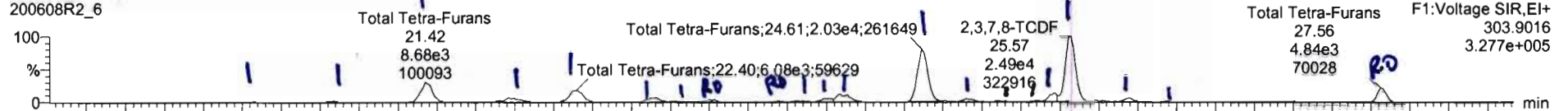
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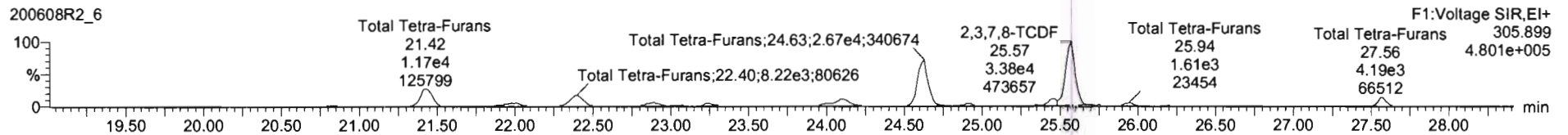
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2,3,7,8-TCDF

200608R2_6

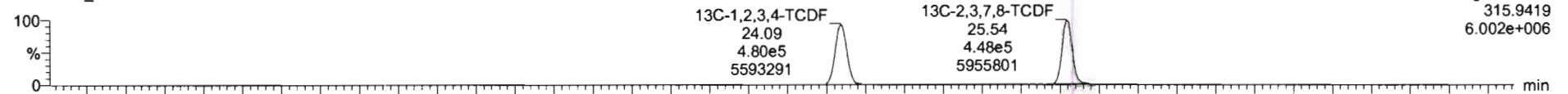


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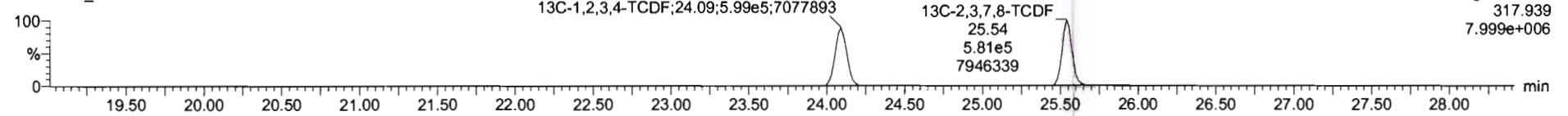


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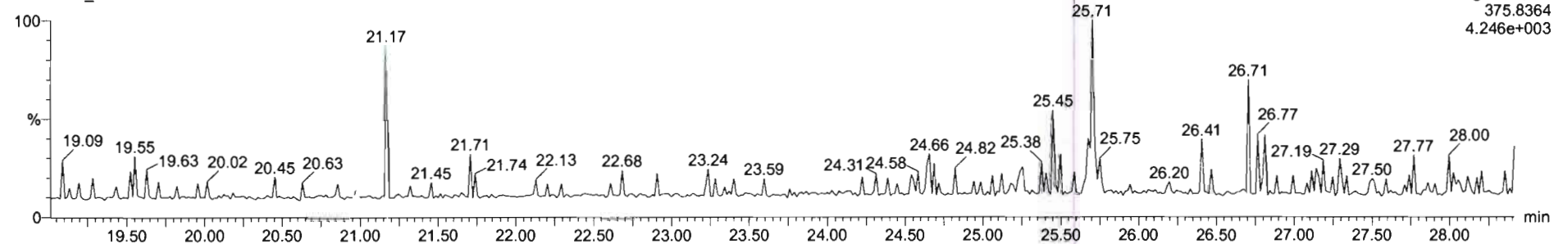


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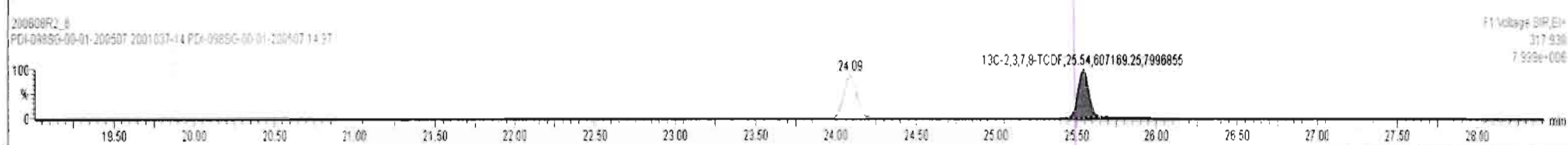
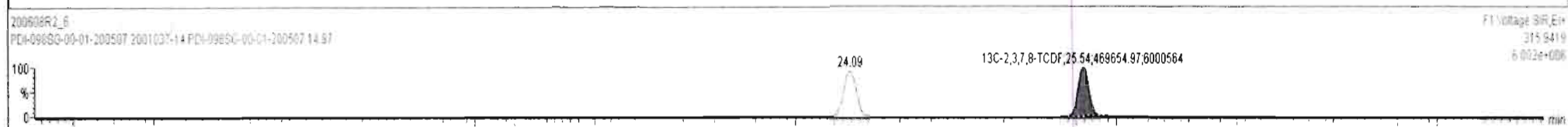
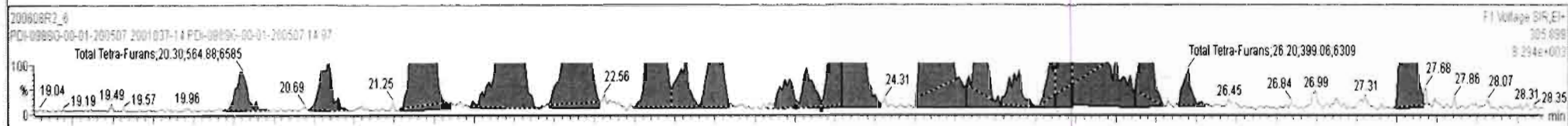
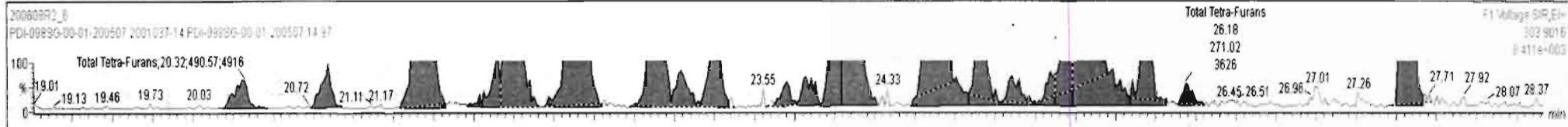
DPE1

200608R2_6



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7510	10.052			44.3		0.150	49.1

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	20.32	4.906e2	5.649e2	0.87	NO	0.25969	0.25969
2 Total Tetra-Furans	20.84	5.041e2	7.161e2	0.70	NO	0.30021	0.30021
3 Total Tetra-Furans	21.42	8.791e3	1.195e4	0.74	NO	5.1035	5.1035
4 Total Tetra-Furans	21.96	2.820e3	3.476e3	0.81	NO	1.5493	1.5493
5 Total Tetra-Furans	22.40	6.174e3	8.486e3	0.73	NO	3.6069	3.6069
6 Total Tetra-Furans	22.91	2.302e3	2.777e3	0.83	NO	1.2497	1.2497
7 Total Tetra-Furans	23.04	5.491e2	7.113e2	0.77	NO	0.30986	0.30986
8 Total Tetra-Furans	23.28	1.088e3	1.775e3	0.61	YES	0.61533	0.00000
9 Total Tetra-Furans	23.70	2.699e2	4.422e2	0.61	YES	0.15268	0.00000
10 Total Tetra-Furans	23.82	4.332e2	5.264e2	0.82	NO	0.23612	0.23612
11 Total Tetra-Furans	24.03	1.401e3	1.718e3	0.82	NO	0.76748	0.76748
12 Total Tetra-Furans	24.09	3.864e3	5.130e3	0.75	NO	2.2129	0.00000
13 Total Tetra-Furans	24.81	2.125e4	2.778e4	0.76	NO	12.063	12.063
14 Total Tetra-Furans	24.90	1.289e3	1.602e3	0.80	NO	0.71136	0.71136
15 Total Tetra-Furans	25.11	4.675e2	6.012e2	0.78	NO	0.26295	0.26295
16 Total Tetra-Furans	25.35	3.514e2	5.031e2	0.70	NO	0.21023	0.21023
17 Total Tetra-Furans	25.47	2.489e3	3.341e3	0.75	NO	1.4344	1.4344
18 2,3,7,8-TCDF	25.57	2.626e4	3.587e4	0.73	NO	15.287	15.287
19 Total Tetra-Furans	25.94	1.456e3	1.871e3	0.78	NO	0.81874	0.81874
20 Total Tetra-Furans	26.18	2.710e2	3.991e2	0.68	NO	0.16487	0.16487
21 Total Tetra-Furans	27.56	4.811e3	4.188e3	1.15	YES	1.8238	0.00000



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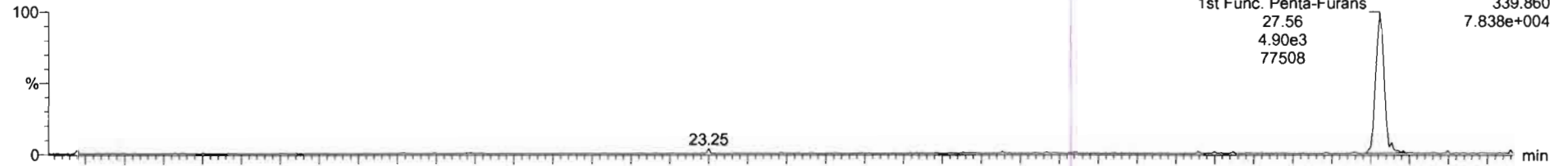
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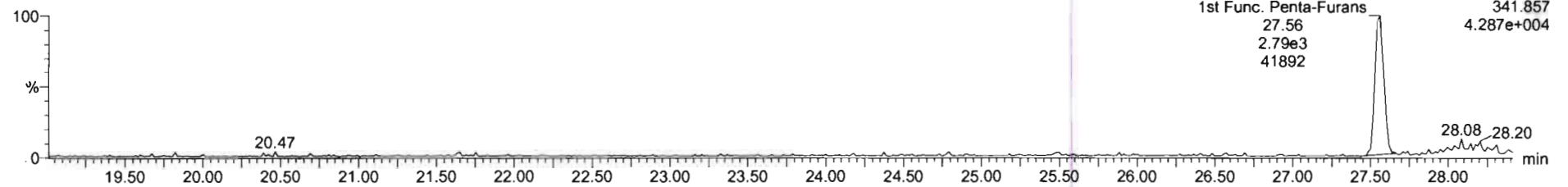
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1st Func. Penta-Furans

200608R2_6

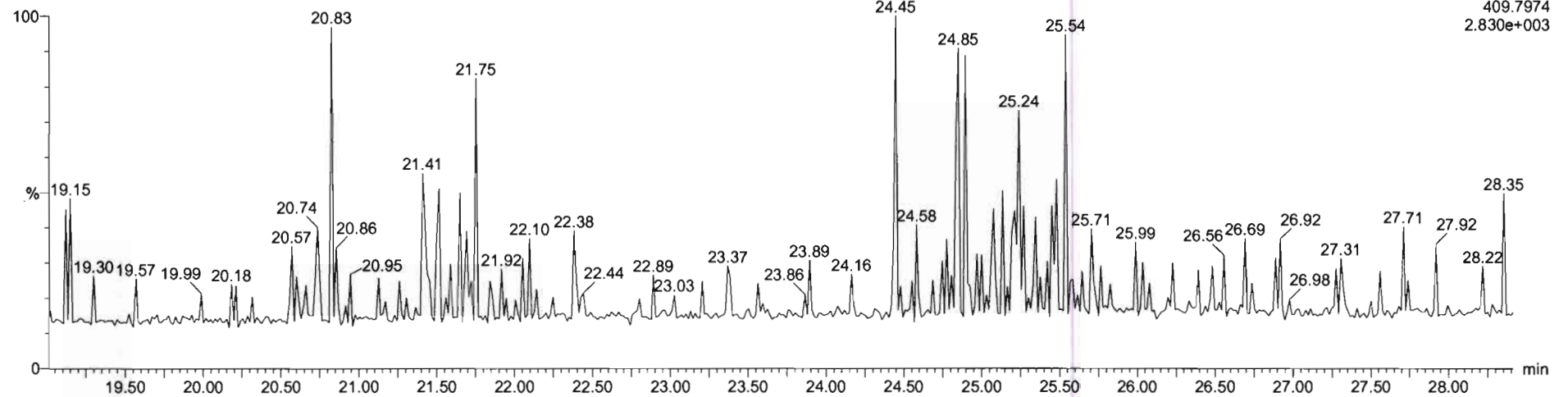


200608R2_6



DPE6

200608R2_6



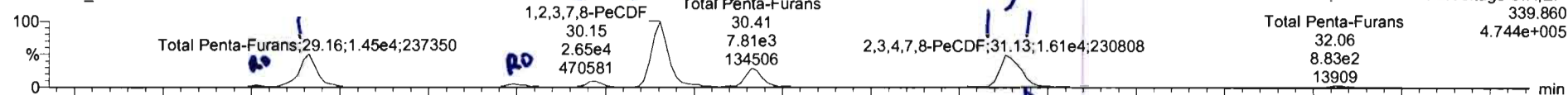
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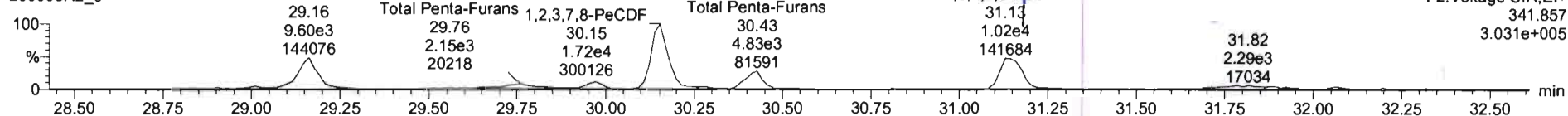
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1,2,3,7,8-PeCDF

200608R2_6

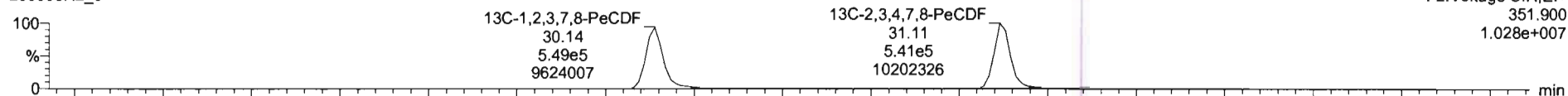


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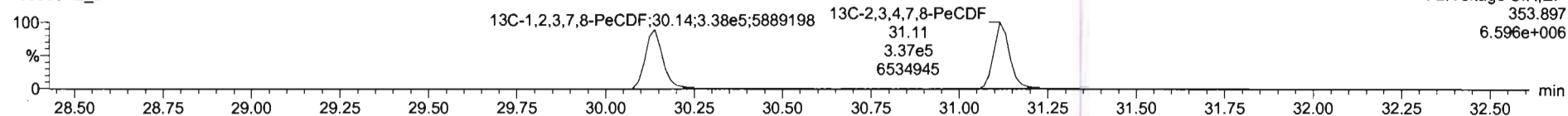


13C-1,2,3,7,8-PeCDF

200608R2_6

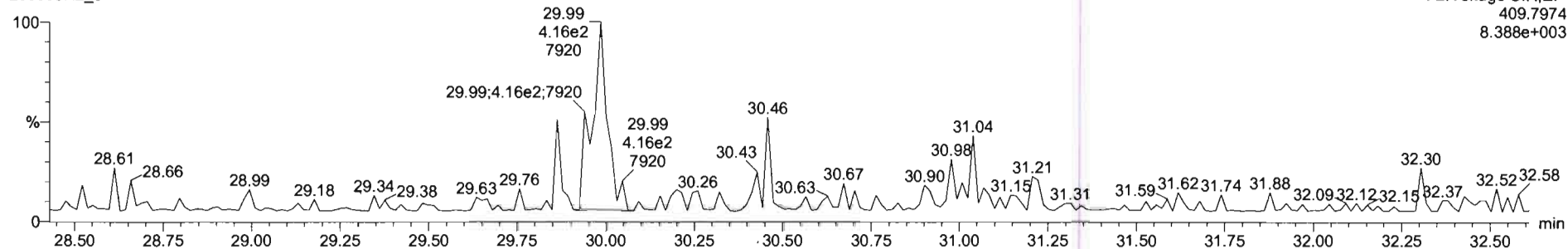


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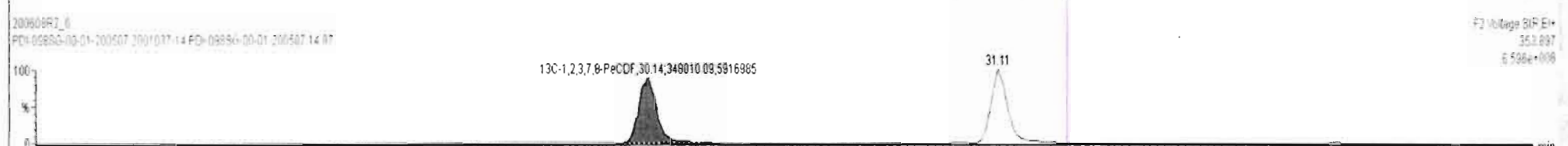
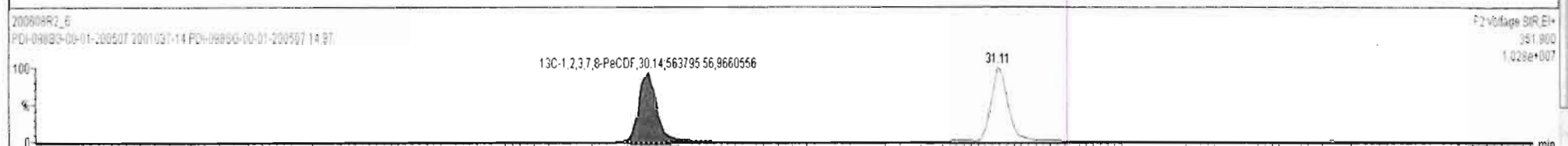
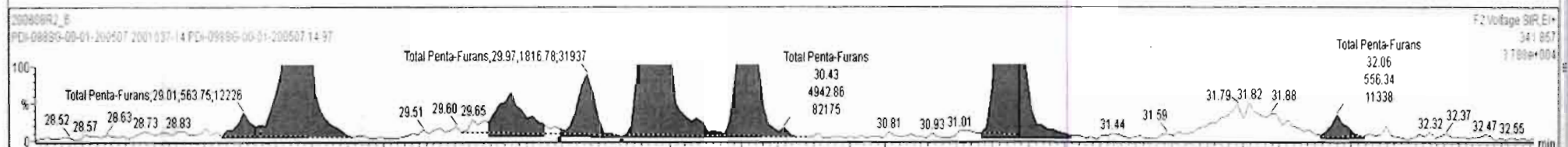
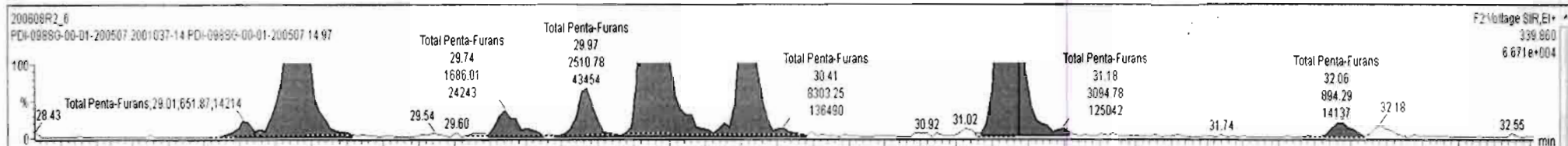
DPE2

200608R2_6



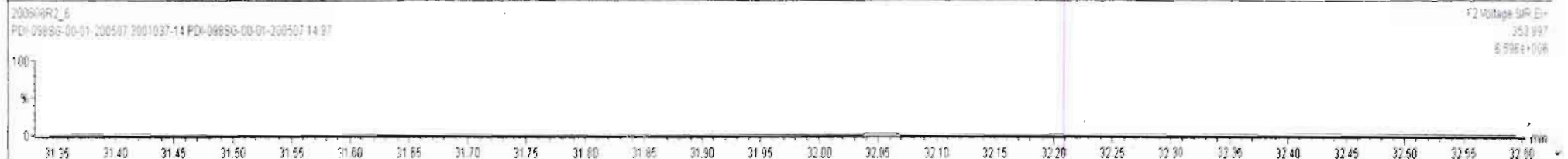
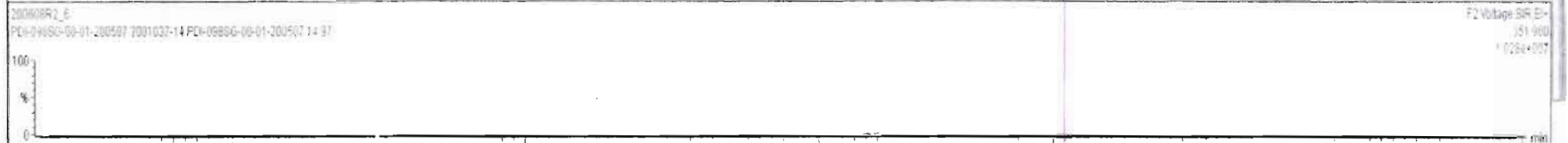
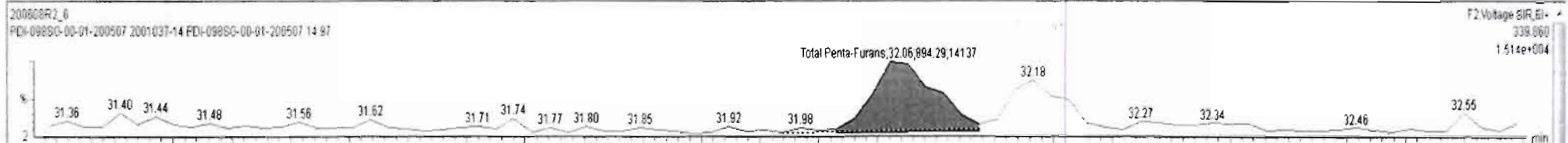
Name	Resp	RA	nly	RRF	wtAval	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			28.3		0.217	29.3
46 Total Penta-Furans				0.9244	10.023			29.0		0.450	29.7

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	29.01	6.519e2	5.637e2	1.16	YES	0.26730	0.00000
2 Total Penta-Furans	29.16	1.488e4	9.768e3	1.52	NO	6.1426	6.1426
3 Total Penta-Furans	29.74	1.686e3	1.975e3	0.85	YES	0.69135	0.00000
4 Total Penta-Furans	29.97	2.511e3	1.817e3	1.38	NO	1.0786	1.0786
5 1,2,3,7,8-PeCDF	30.15	2.719e4	1.756e4	1.55	NO	10.942	10.942
6 Total Penta-Furans	30.41	8.300e3	4.943e3	1.68	NO	3.3016	3.3016
7 2,3,4,7,8-PeCDF	31.13	1.305e4	8.660e3	1.51	NO	5.2696	5.2696
8 Total Penta-Furans	31.18	3.095e3	1.875e3	1.65	NO	1.2389	1.2389
9 Total Penta-Furans	32.06	8.943e2	5.963e2	1.61	NO	0.36157	0.36157



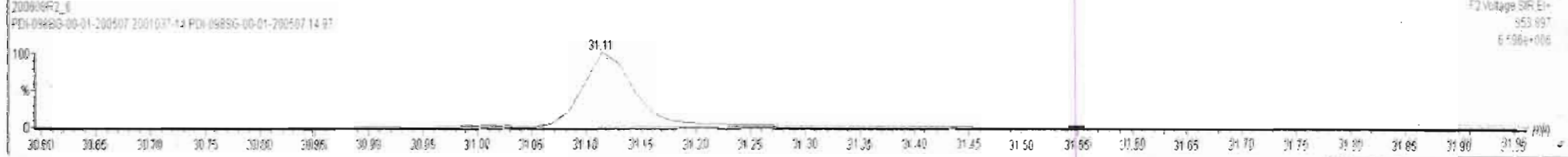
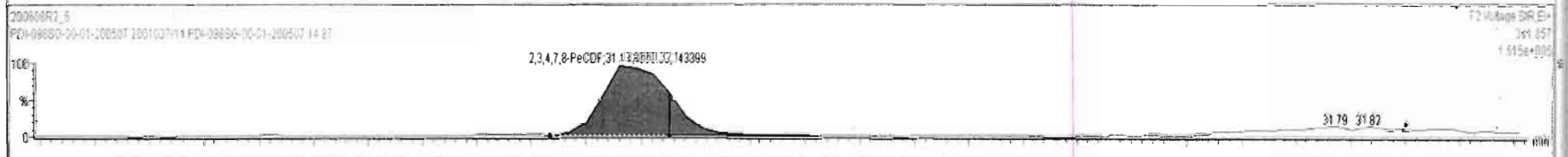
Name	Resp	RA	n/y	RRF	wtAval	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			26.3		0.217	29.3
46 Total Hexa-Furans				0.9244	10.062			27.0		0.166	27.7

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.01	6.519e2	5.637e2	1.16	YES	0.26730	0.00000
2 Total Penta-Furans	29.16	1.488e4	9.768e3	1.52	NO	6.1426	6.1426
3 Total Penta-Furans	29.74	1.686e3	1.975e3	0.85	YES	0.69135	0.00000
4 Total Penta-Furans	29.97	2.511e3	1.817e3	1.38	NO	1.0786	1.0786
5 1,2,3,7,8-PeCDF	30.15	2.719e4	1.756e4	1.55	NO	10.942	10.942
6 Total Penta-Furans	30.41	8.303e3	4.943e3	1.66	NO	3.3016	3.3016
7 2,3,4,7,8-PeCDF	31.13	1.305e4	8.680e3	1.51	NO	5.2696	5.2696
8 Total Penta-Furans	31.18	3.095e3	1.876e3	1.65	NO	1.2389	1.2389
9 Total Penta-Furans	32.06	8.943e2	5.583e2	1.61	NO	0.36157	0.36157



Name	Resp	RA	n/y	RRF	wAol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			26.3		0.217	29.3
46 Total Hexa-Furans				0.0244	10.052			27.0		0.422	27.7

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Furans	29.01	6.519e2	5.637e2	1.16	YES	0.26730	0.00000
2 Total Penta-Furans	29.16	1.488e4	9.768e3	1.52	NO	6.1426	6.1426
3 Total Penta-Furans	29.74	1.686e3	1.976e3	0.85	YES	0.69135	0.00000
4 Total Penta-Furans	29.97	2.511e3	1.817e3	1.38	NO	1.0786	1.0786
5 1,2,3,7,8-PeCDF	30.15	2.719e4	1.756e4	1.55	NO	10.942	10.942
6 Total Penta-Furans	30.41	8.303e3	4.943e3	1.68	NO	3.3016	3.3016
7 2,3,4,7,8-PeCDF	31.13	1.305e4	8.660e3	1.51	NO	5.2696	5.2696
8 Total Penta-Furans	31.18	3.095e3	1.876e3	1.65	NO	1.2389	1.2389
9 Total Penta-Furans	32.06	6.943e2	5.563e2	1.61	NO	0.36157	0.36157



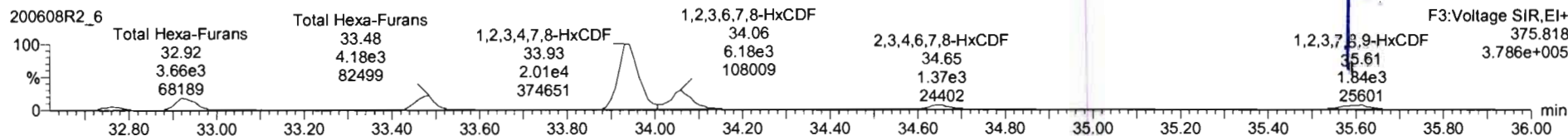
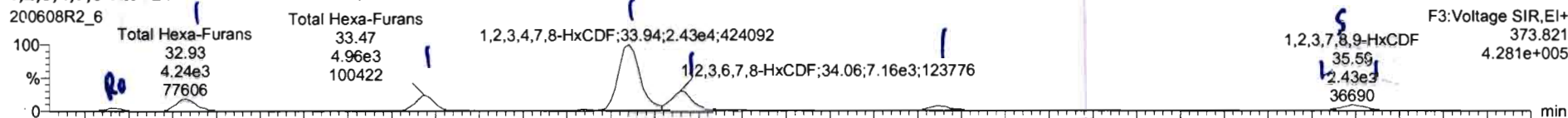
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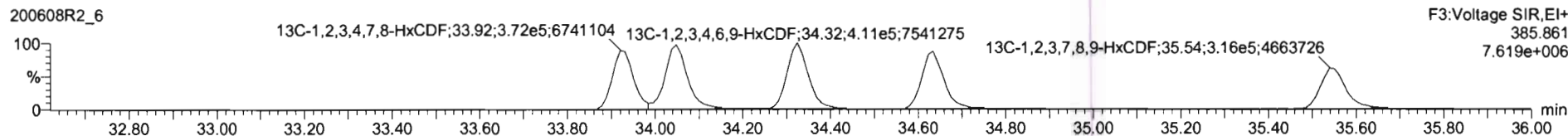
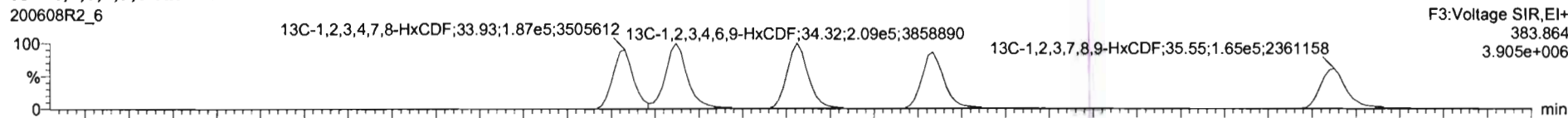
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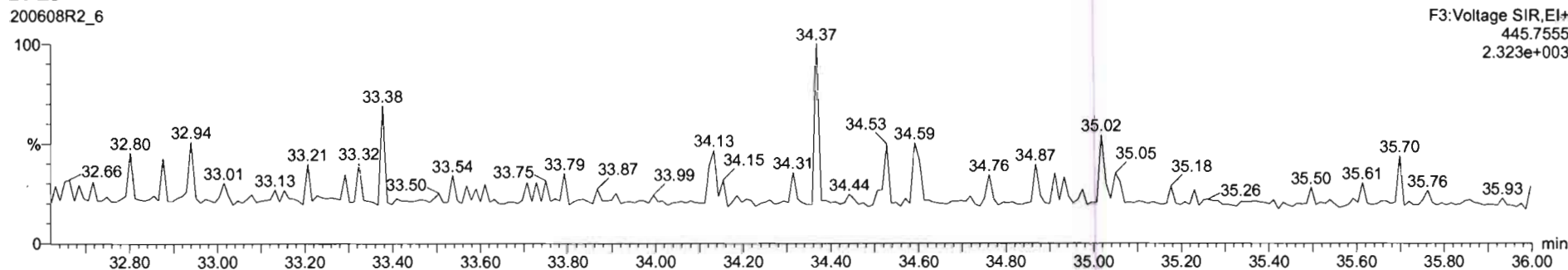
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13C-1,2,3,4,7,8-HxCDF

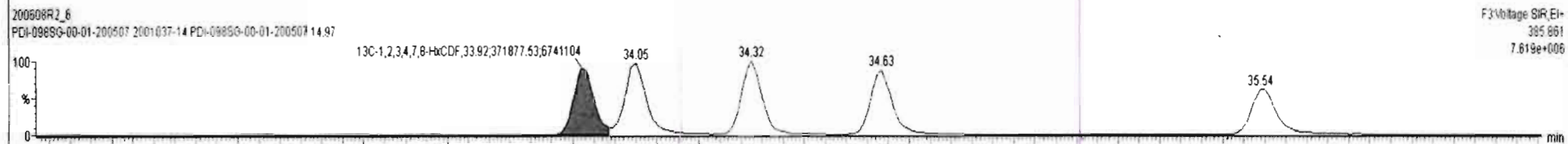
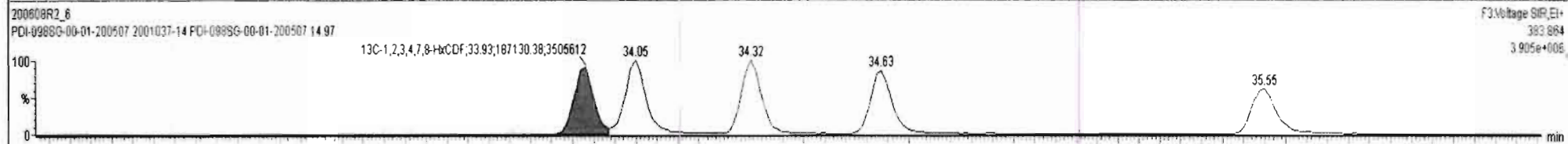
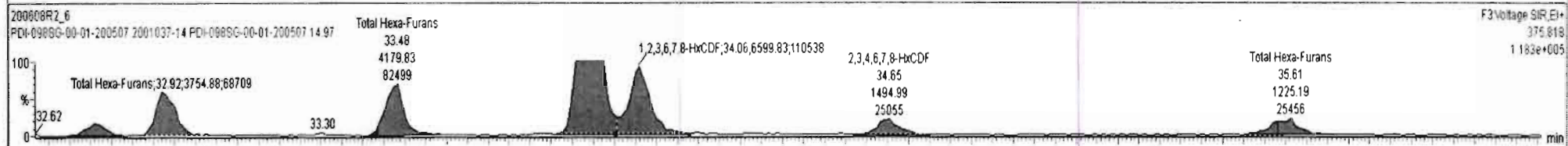
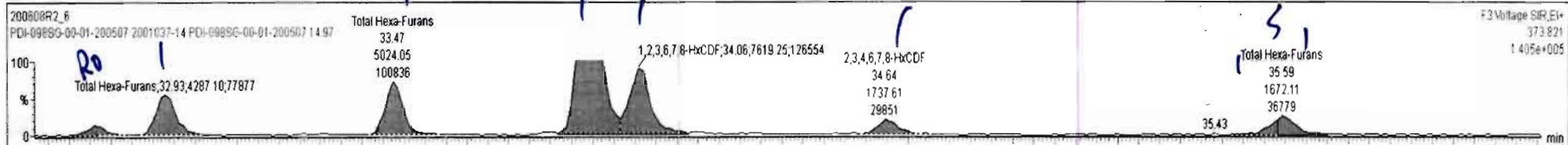


DPE3



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			26.3		0.217	29.3
46 Total Hexa-Furans				0.9244	10.052			29.5		0.458	32.3

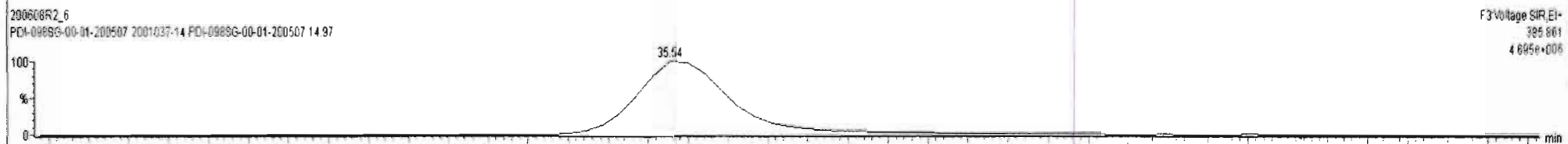
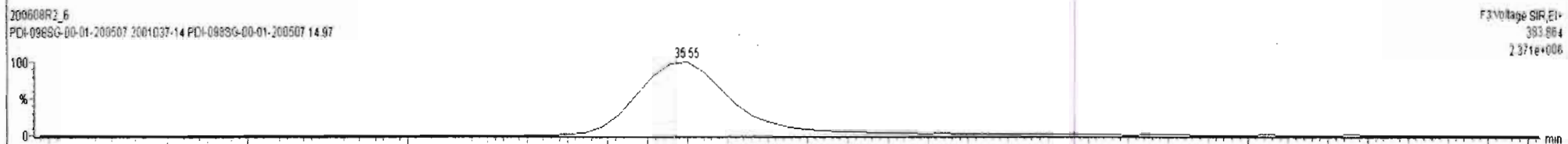
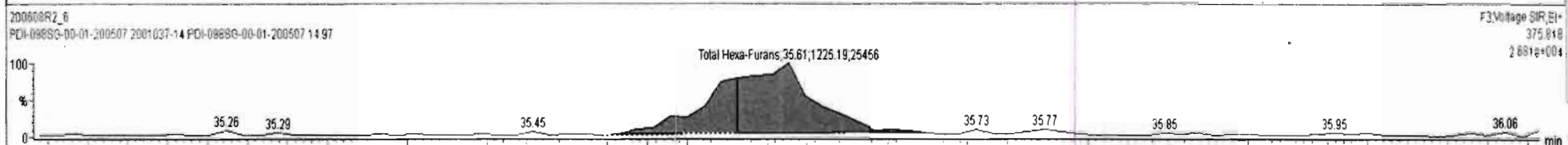
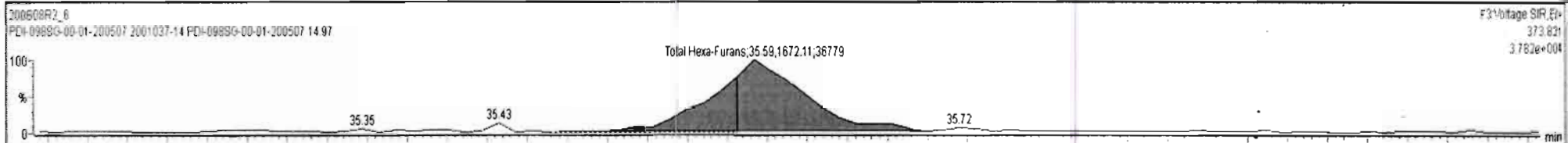
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.76	9.340e2	9.596e2	0.97	YES	0.63446	0.00000
2 Total Hexa-Furans	32.93	4.287e3	3.755e3	1.14	NO	3.0241	3.0241
3 Total Hexa-Furans	33.47	5.024e3	4.180e3	1.20	NO	3.4611	3.4611
4 1,2,3,4,7,8-HxCDF	33.94	2.470e4	2.054e4	1.20	NO	18.208	18.208
5 1,2,3,6,7,8-HxCDF	34.06	7.619e3	6.600e3	1.15	NO	4.8784	4.8784
6 2,3,4,6,7,8-HxCDF	34.64	1.736e3	1.495e3	1.16	NO	1.2007	1.2007
7 1,2,3,7,8,9-HxCDF	35.58	7.725e2	6.053e2	1.28	NO	0.65447	0.65447
8 Total Hexa-Furans	35.59	1.672e3	1.225e3	1.36	NO	1.0695	1.0695



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Name	Resp	RA	nV	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			26.3		0.217	29.3
46 Total Hexa-Furans				0.0244	10.029			24.7		0.422	22.4

Name	RT	m1 Resp	m2 Resp	RA	nV	EMPC	Conc.
1 Total Hexa-Furans	32.76	9.183e2	9.596e2	0.96	YES	0.62380	0.00000
2 Total Hexa-Furans	32.93	4.236e3	3.657e3	1.16	NO	2.9682	2.9682
3 Total Hexa-Furans	33.47	4.963e3	4.180e3	1.19	NO	3.4380	3.4380
4 1,2,3,4,7,8-HxCDF	33.94	2.433e4	2.013e4	1.21	NO	17.893	17.893
5 1,2,3,6,7,8-HxCDF	34.06	7.160e3	6.185e3	1.16	NO	4.5782	4.5782
6 2,3,4,6,7,8-HxCDF	34.64	1.679e3	1.373e3	1.22	NO	1.1337	1.1337
7 1,2,3,7,8,9-HxCDF	35.58	7.725e2	5.616e2	1.33	NO	0.64321	0.64321
8 Total Hexa-Furans	35.59	1.672e3	1.225e3	1.36	NO	1.0895	1.0895



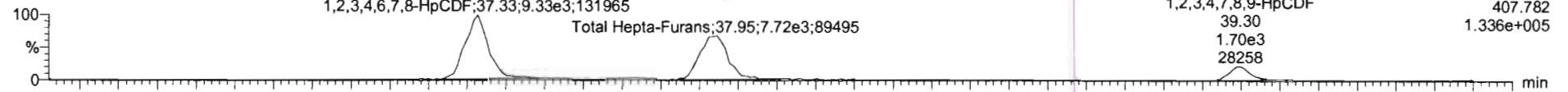
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Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

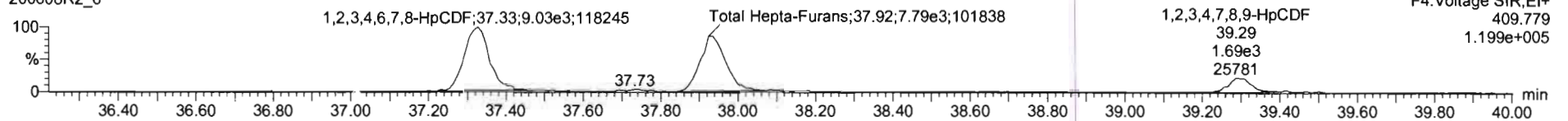
Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

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

200608R2_6

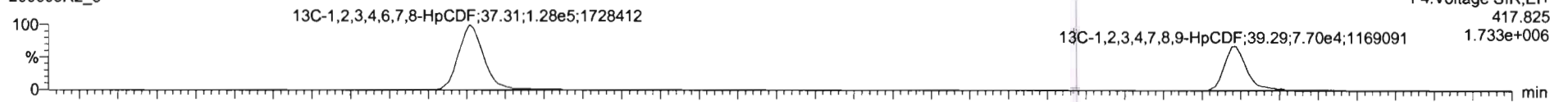


200608R2_6

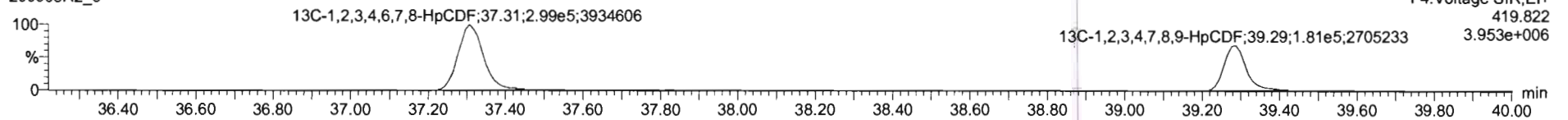


13C-1,2,3,4,6,7,8-HpCDF

200608R2_6

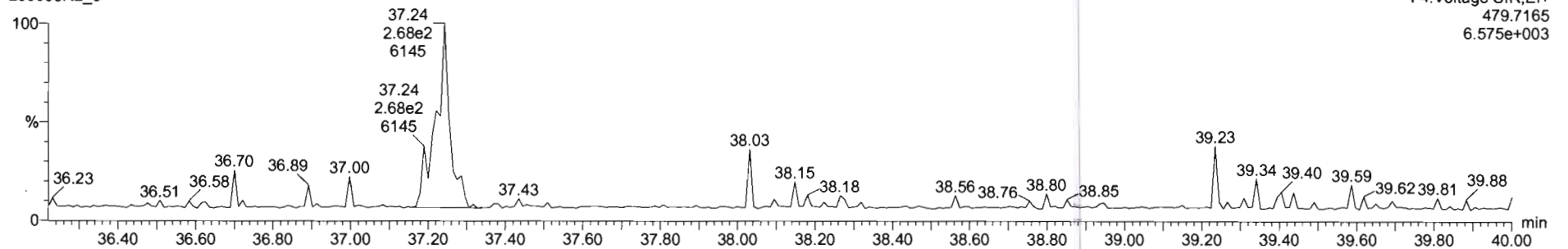


200608R2_6



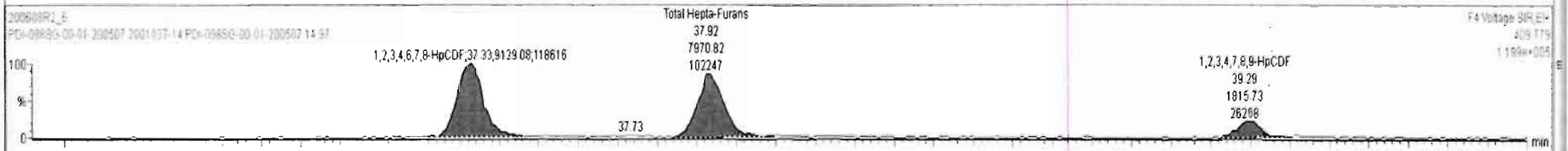
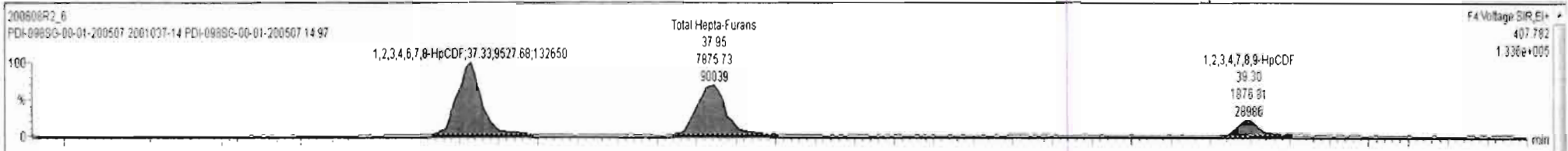
DPE4

200608R2_6



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
47 Total Hepta-Furans				0.8734	10.052			23.1		0.244	23.1

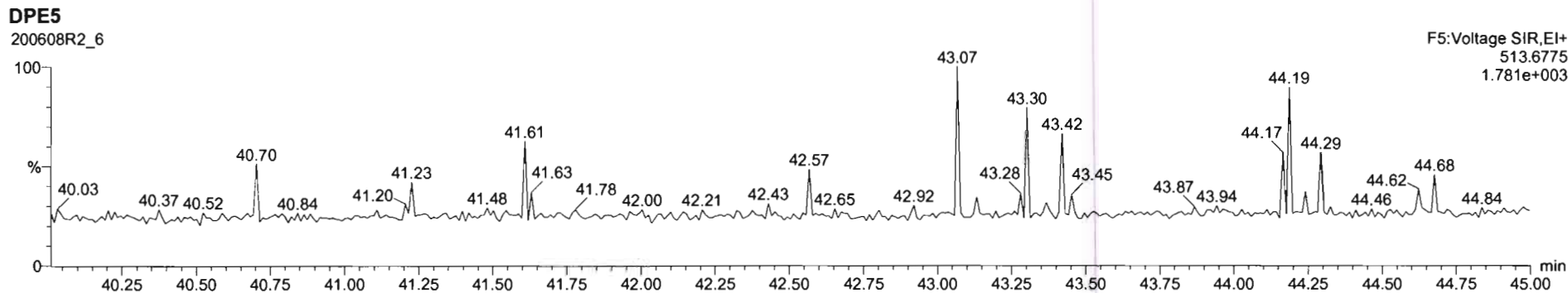
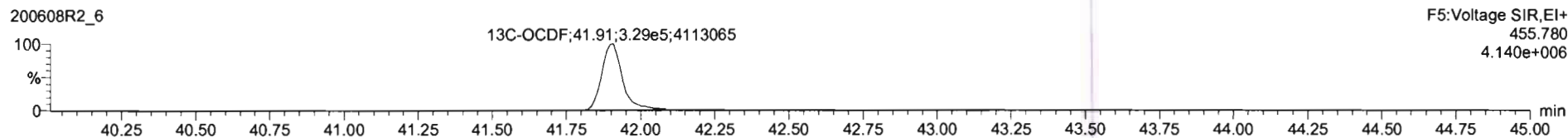
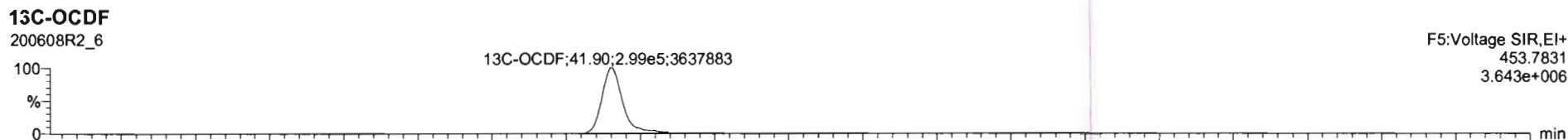
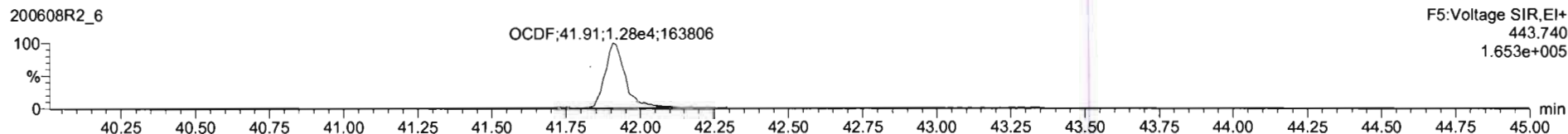
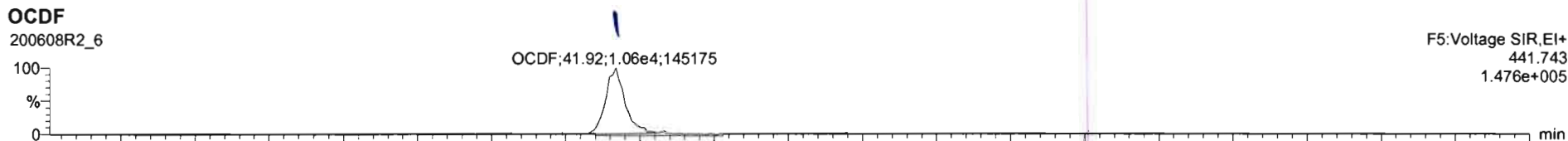
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.33	9.526e3	9.129e3	1.04	NO	9.8035	9.8035
2 Total Hepta-Furans	37.95	7.876e3	7.971e3	0.99	NO	10.439	10.439
3 1,2,3,4,7,8,9-HpCDF	39.30	1.877e3	1.816e3	1.03	NO	2.8104	2.8104



Dataset: Untitled

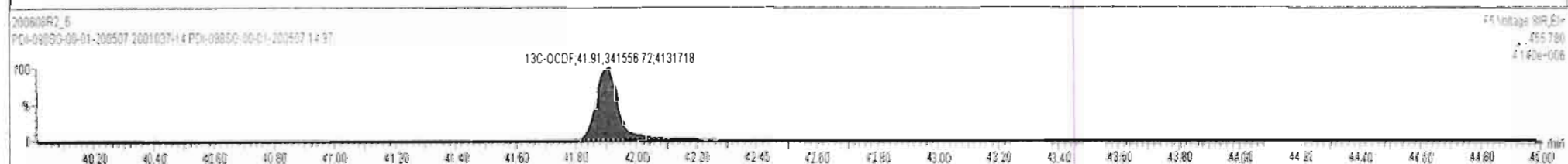
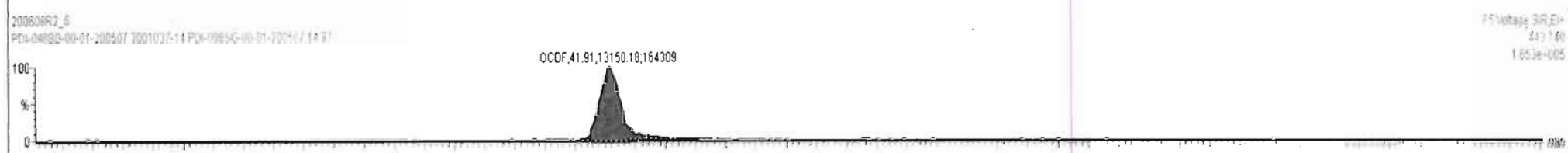
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Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507



Name	Resp	RA	r/y	R6F	wtAvol	RT	RRT	Conc	%Rec	DL	EMPC
17 OCDF	2.45e4	0.86	NO	0.8065	10.052	41.92	1.001	18.9		0.231	18.9

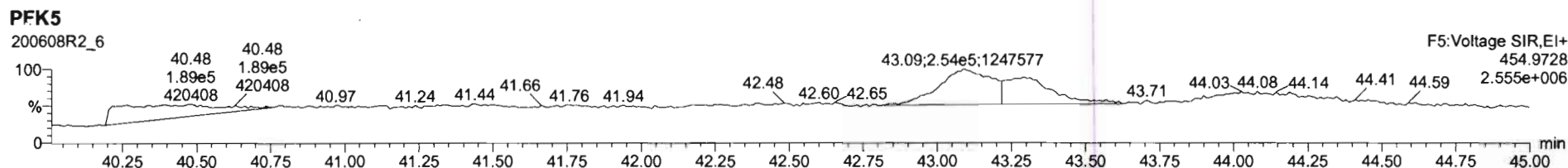
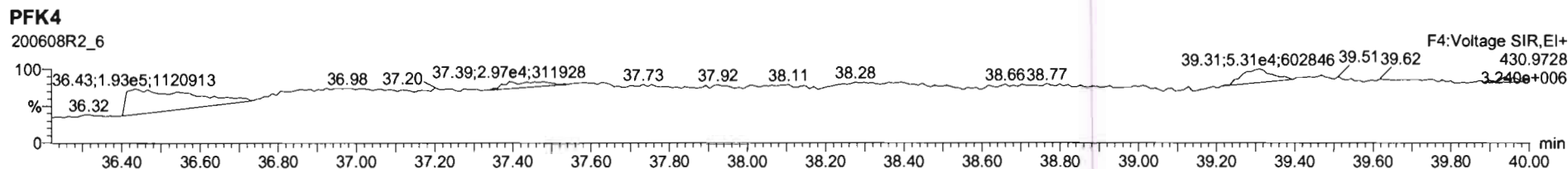
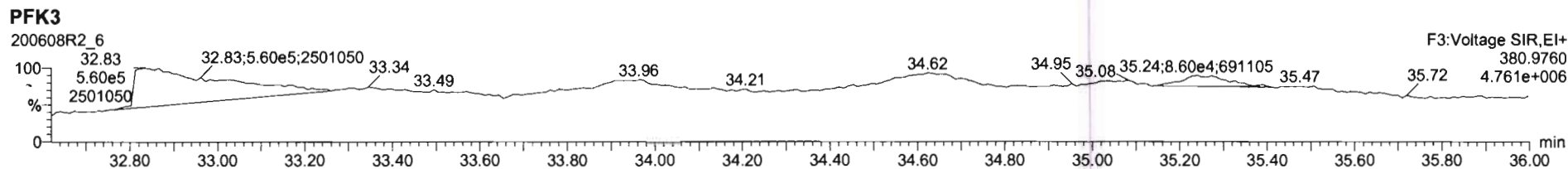
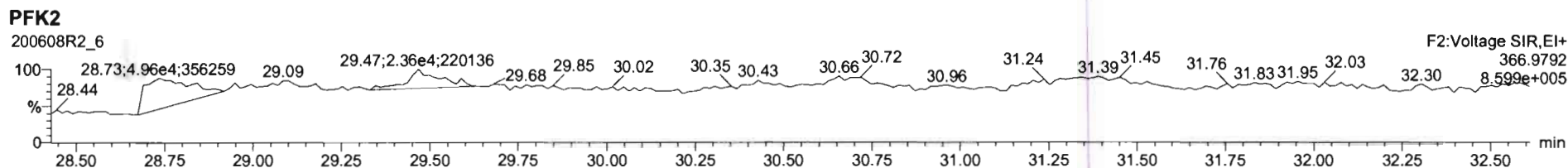
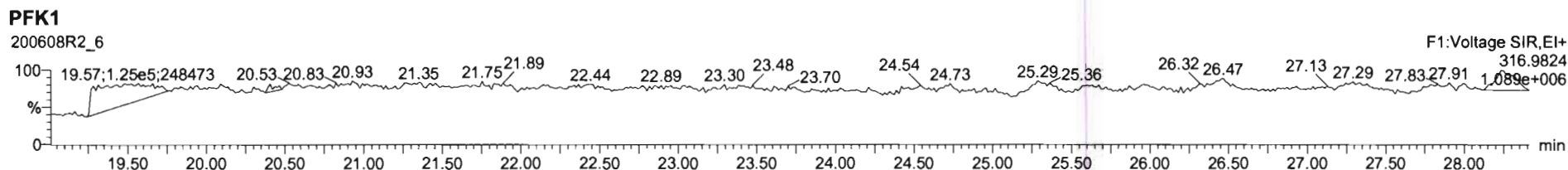
Name	RT	m1 Resp	m2 Resp	RA	r/y	EMPC	Conc.
1							



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_6, Date: 09-Jun-2020, Time: 04:04:15, ID: 2001037-14 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507



CONFIRMATION

Dataset: U:\VG7.PRO\Results\200611D1\200611D1_12.qld

Last Altered: Friday, June 12, 2020 10:03:08 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:03:23 Pacific Daylight Time

DB 6/12/20

JA 6/23/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_12, Date: 11-Jun-2020, Time: 17:03:40, ID: 2001037-03RE1 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

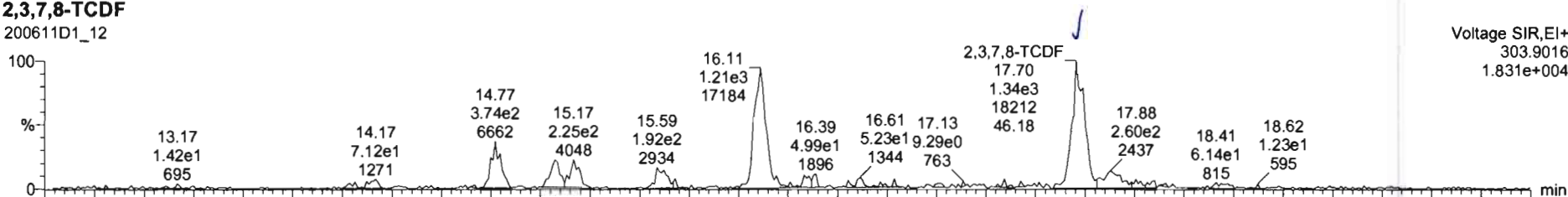
#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	2.98e3	0.81	NO	0.982	10.138 ✓	17.736	17.70	1.000	0.999	64.807		4.08	64.8
2	2 13C-2,3,7,8-TCDF	9.23e3	0.81	NO	1.08	10.138	17.735	17.72	1.133	1.137	179.83	91.2	7.52	
3	3 13C-1,2,3,4-TCDF	9.35e3	0.86	NO	1.00	10.138	15.660	15.57	1.000	1.000	197.27 ✓	100	8.15	

Dataset: U:\VG7.PRO\Results\200611D1\200611D1_12.qld
Last Altered: Friday, June 12, 2020 09:32:15 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:02:11 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

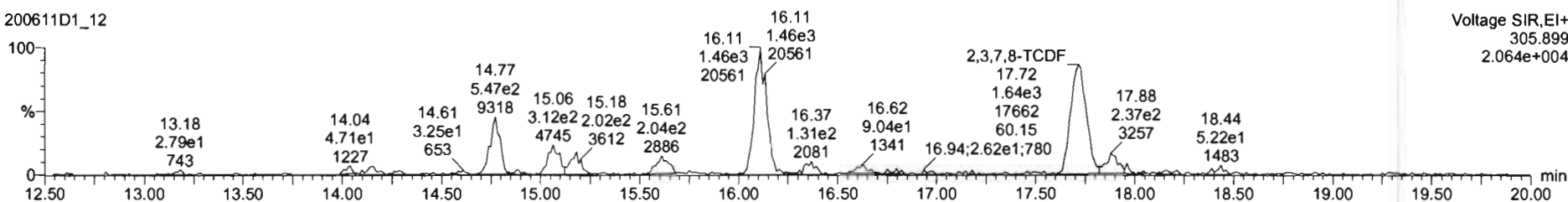
Name: 200611D1_12, Date: 11-Jun-2020, Time: 17:03:40, ID: 2001037-03RE1 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

2,3,7,8-TCDF
200611D1_12



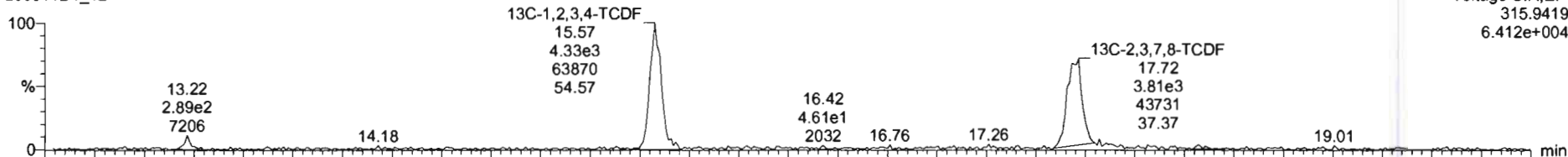
Voltage SIR, EI+
303.9016
1.831e+004

200611D1_12



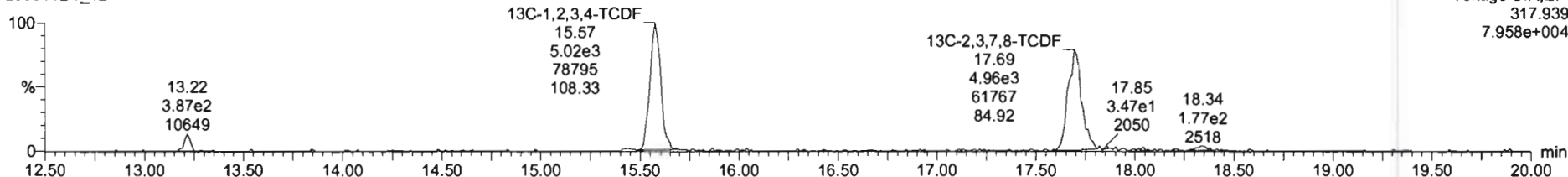
Voltage SIR, EI+
305.899
2.064e+004

13C-2,3,7,8-TCDF
200611D1_12



Voltage SIR, EI+
315.9419
6.412e+004

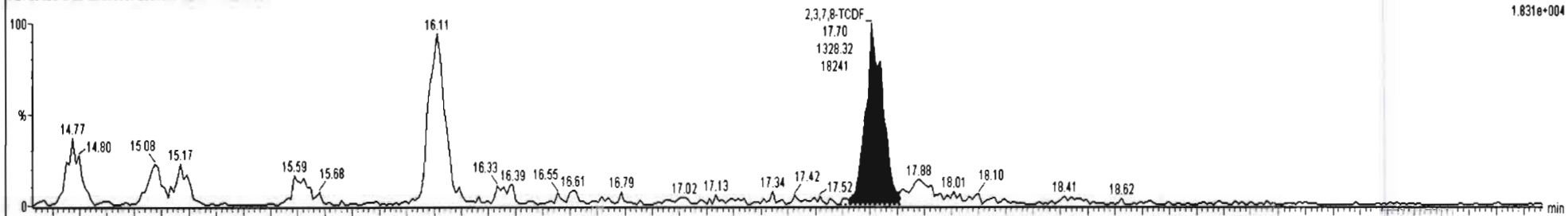
200611D1_12



Voltage SIR, EI+
317.939
7.958e+004

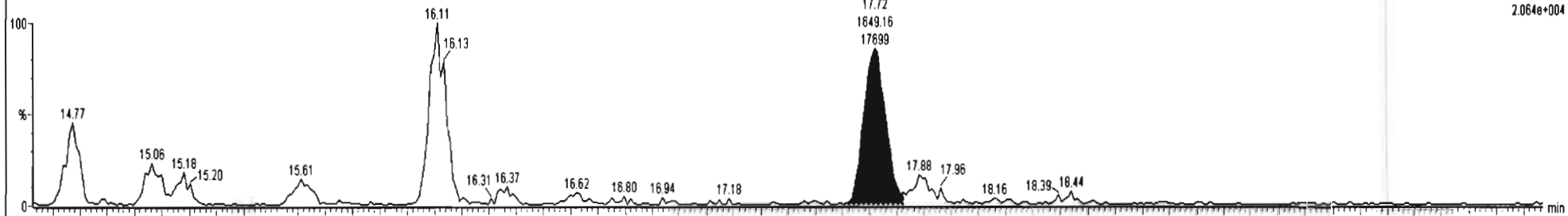
200611D1_12
PDI-094SC-B-00-02-200507 2001037-03RE1 PDI-094SC-B-00-02-200507 17

Voltage S/R,El+
303.9016
1.831e+004



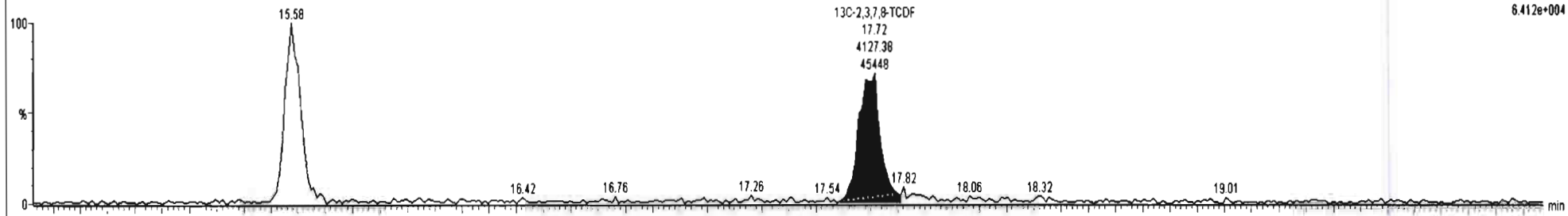
200611D1_12
PDI-094SC-B-00-02-200507 2001037-03RE1 PDI-094SC-B-00-02-200507 17

Voltage S/R,El+
305.899
2.064e+004



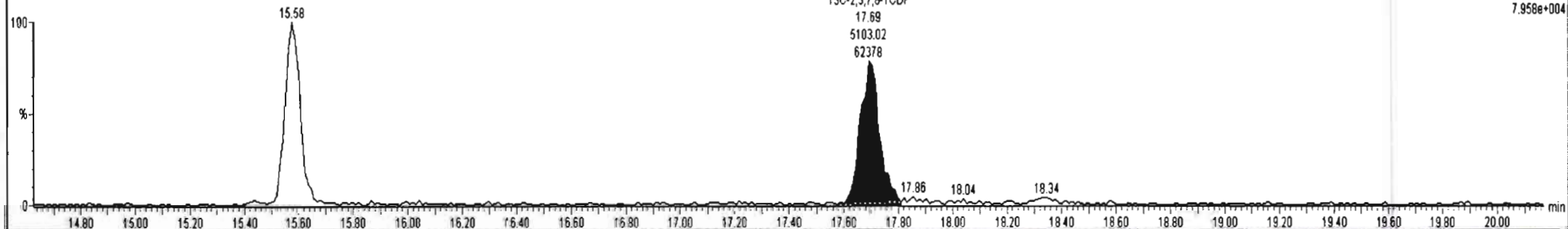
200611D1_12
PDI-094SC-B-00-02-200507 2001037-03RE1 PDI-094SC-B-00-02-200507 17

Voltage S/R,El+
315.9419
6.412e+004



200611D1_12
PDI-094SC-B-00-02-200507 2001037-03RE1 PDI-094SC-B-00-02-200507 17

Voltage S/R,El+
317.939
7.958e+004



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_12.qld

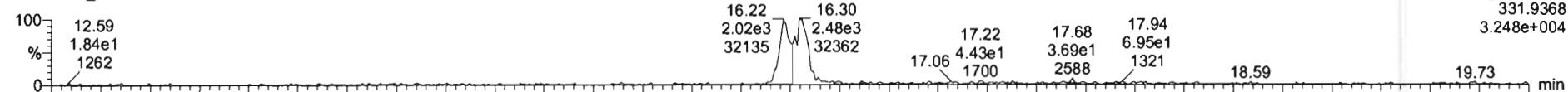
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Printed: Friday, June 12, 2020 10:02:11 Pacific Daylight Time

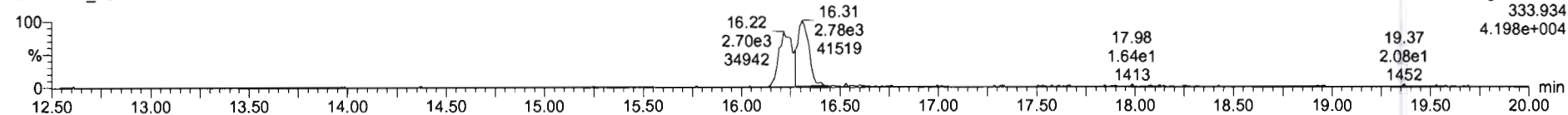
Name: 200611D1_12, Date: 11-Jun-2020, Time: 17:03:40, ID: 2001037-03RE1 PDI-094SC-B-00-02-200507 17, Description: PDI-094SC-B-00-02-200507

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

200611D1_12

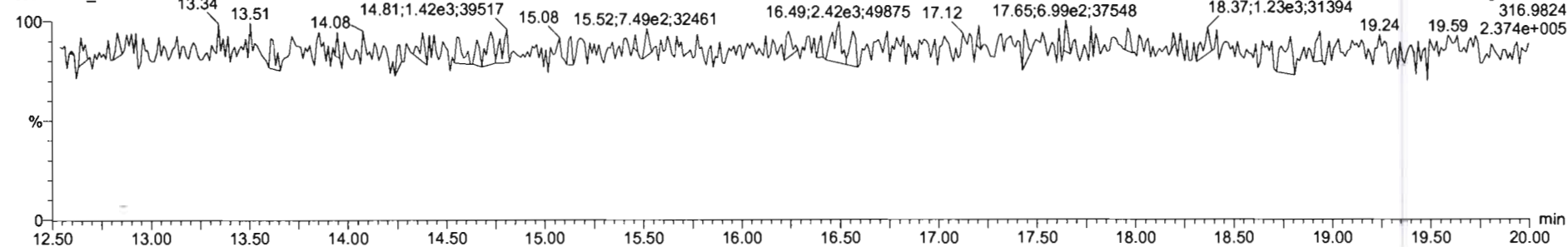


200611D1_12



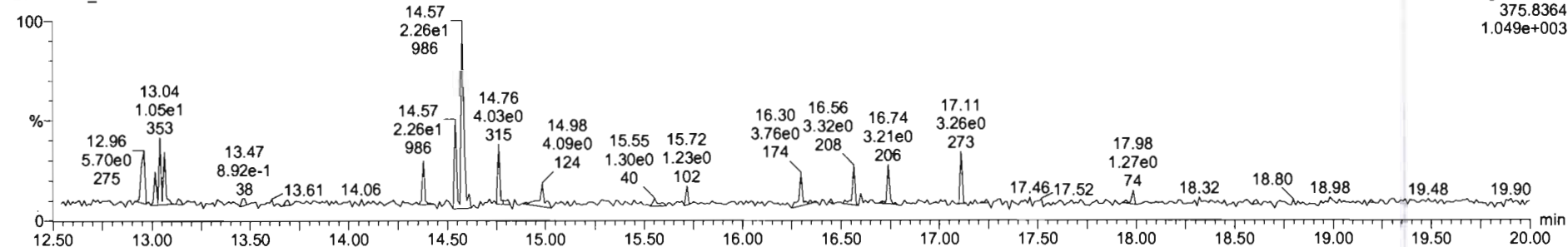
PFK1

200611D1_12



DPE1

200611D1_12



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_13.qld

Last Altered: Friday, June 12, 2020 10:08:12 Pacific Daylight Time

Printed: Friday, June 12, 2020 10:09:52 Pacific Daylight Time

DB 6/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

A 6/23/20

Name: 200611D1_13, Date: 11-Jun-2020, Time: 17:35:22, ID: 2001037-04RE1 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDF	3.86e2	0.88	NO	0.982	10.109 ✓	17.724	17.73	1.000	1.001	8.5044		6.36	8.50
2	13C-2,3,7,8-TCDF	9.14e3	0.79	NO	1.08	10.109	17.747	17.70	1.133	1.136	169.39	85.6	7.85	
3	13C-1,2,3,4-TCDF	9.86e3	0.82	NO	1.00	10.109	15.660	15.59	1.000	1.000	197.85 ✓	100	8.50	

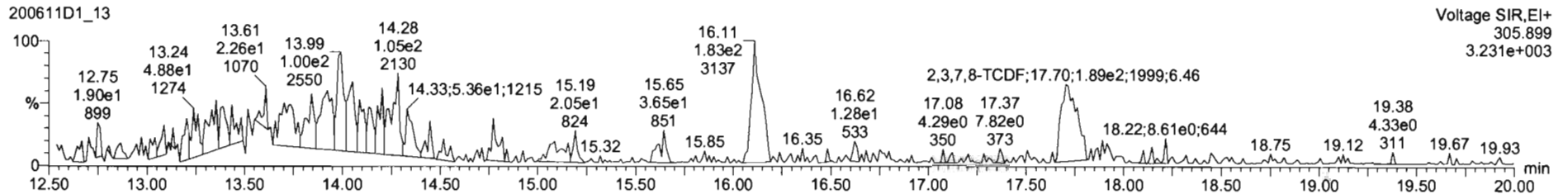
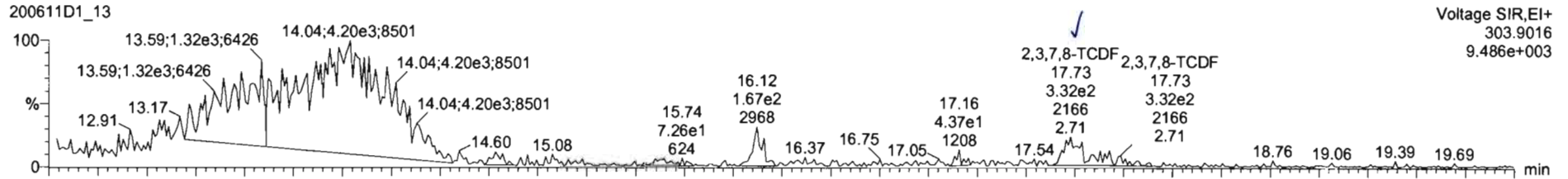
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_13.qld

Last Altered: Friday, June 12, 2020 09:33:17 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:05:37 Pacific Daylight Time

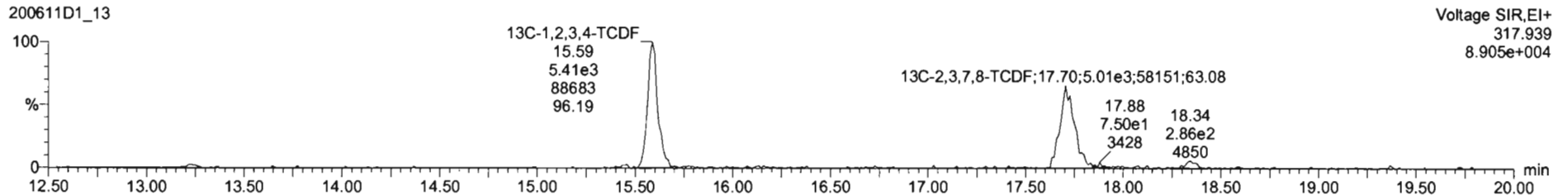
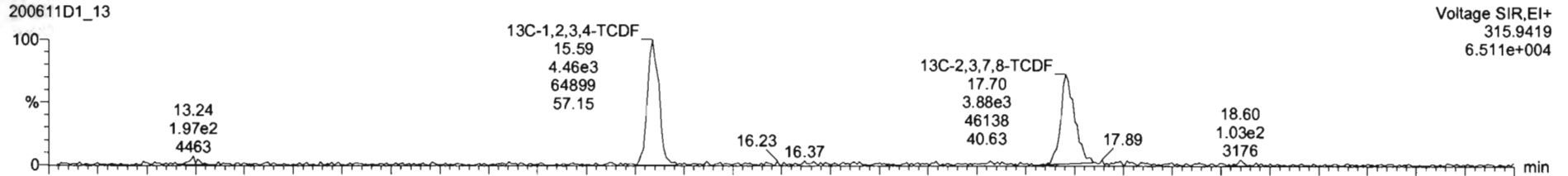
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

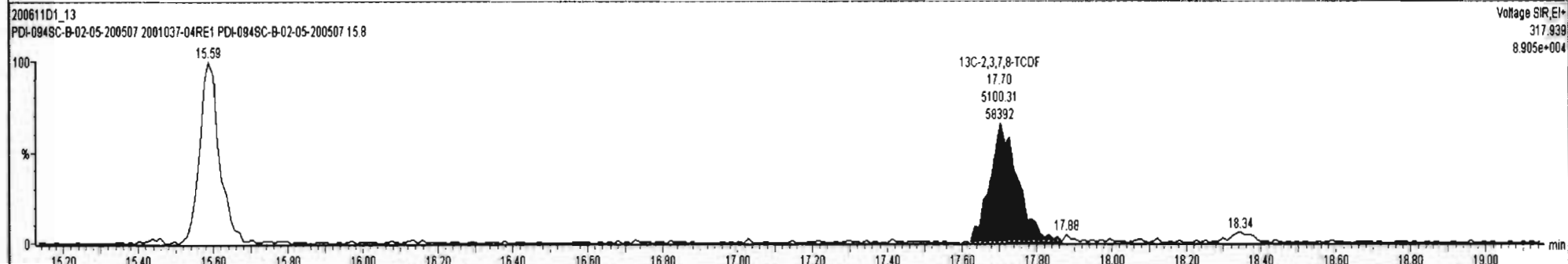
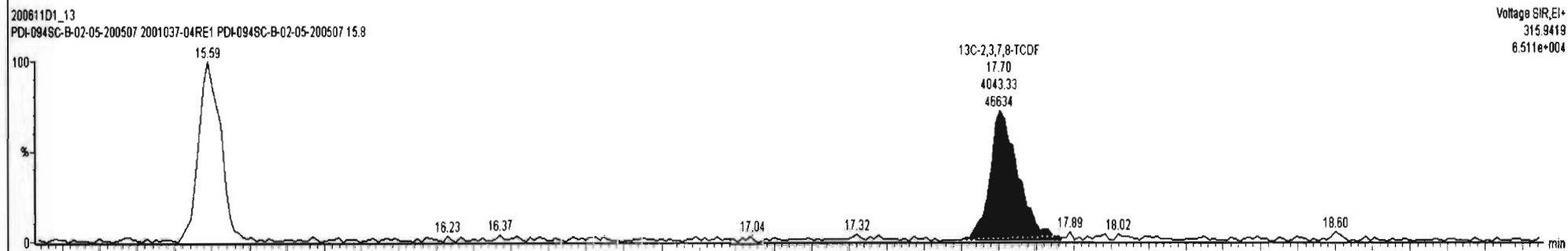
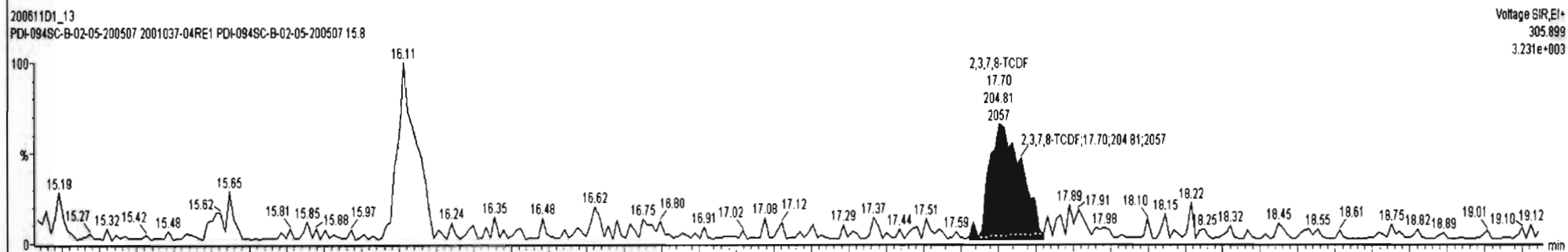
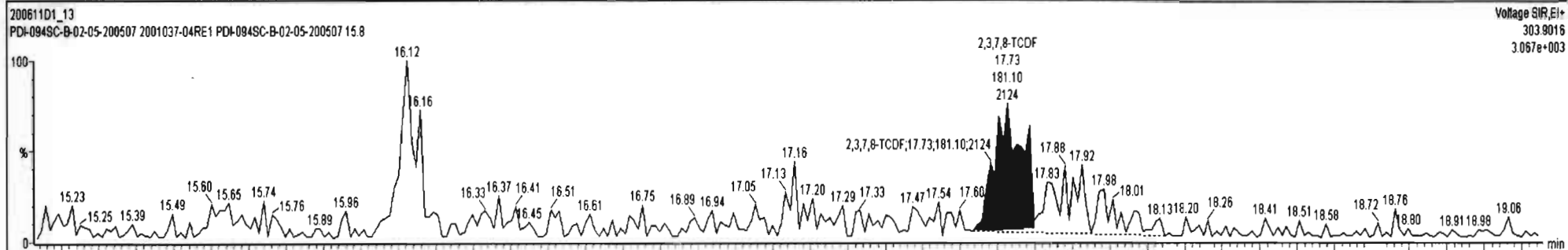
Name: 200611D1_13, Date: 11-Jun-2020, Time: 17:35:22, ID: 2001037-04RE1 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

2,3,7,8-TCDF



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





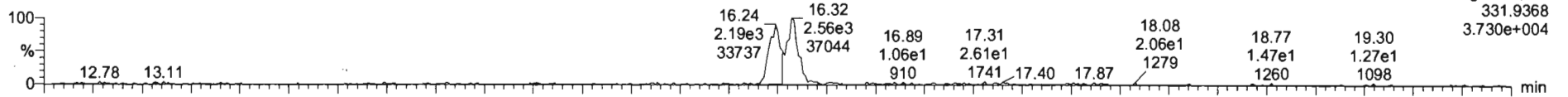
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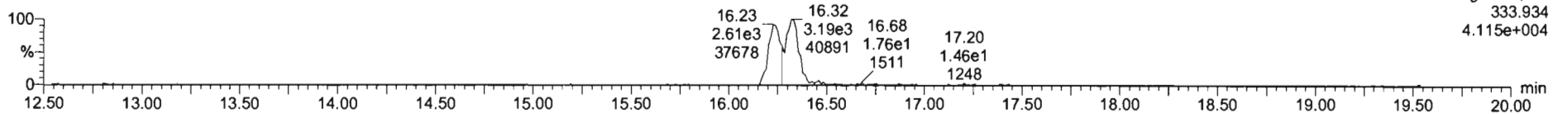
Name: 200611D1_13, Date: 11-Jun-2020, Time: 17:35:22, ID: 2001037-04RE1 PDI-094SC-B-02-05-200507 15.8, Description: PDI-094SC-B-02-05-200507

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

200611D1_13

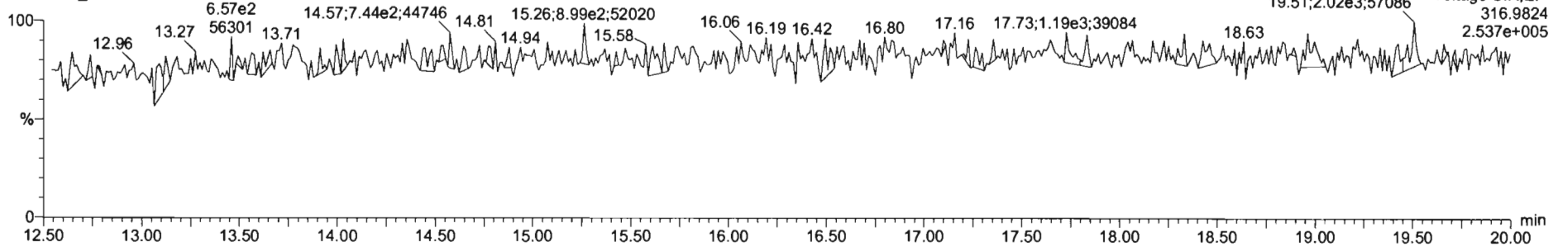


200611D1_13



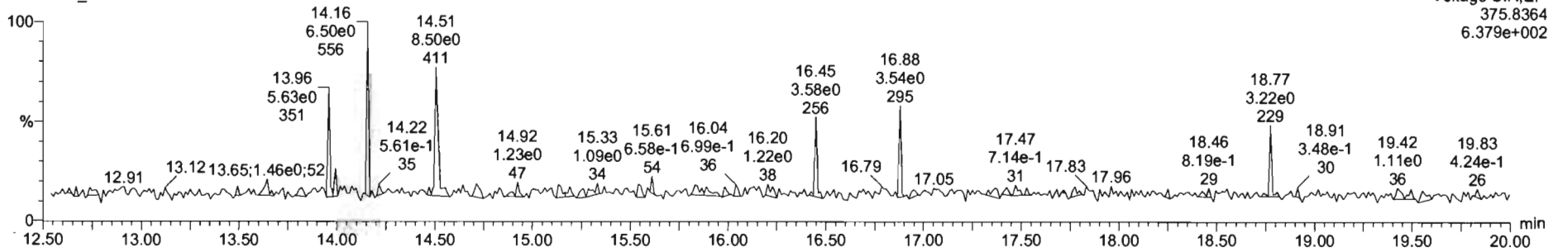
PFK1

200611D1_13



DPE1

200611D1_13



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_14.qld

Last Altered: Friday, June 12, 2020 10:14:13 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:14:28 Pacific Daylight Time

DB 6/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

OK 6/23/20

Name: 200611D1_14, Date: 11-Jun-2020, Time: 18:07:04, ID: 2001037-06RE1 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	4.04e2	0.88	NO	0.982	10.102	17.712	17.72	1.000	1.001	9.2516		2.97	9.25
2	2 13C-2,3,7,8-TCDF	8.81e3	0.85	NO	1.08	10.102	17.735	17.69	1.133	1.136	195.21	98.6	8.27	
3	3 13C-1,2,3,4-TCDF	8.25e3	0.86	NO	1.00	10.102	15.660	15.57	1.000	1.000	197.98	100	8.96	

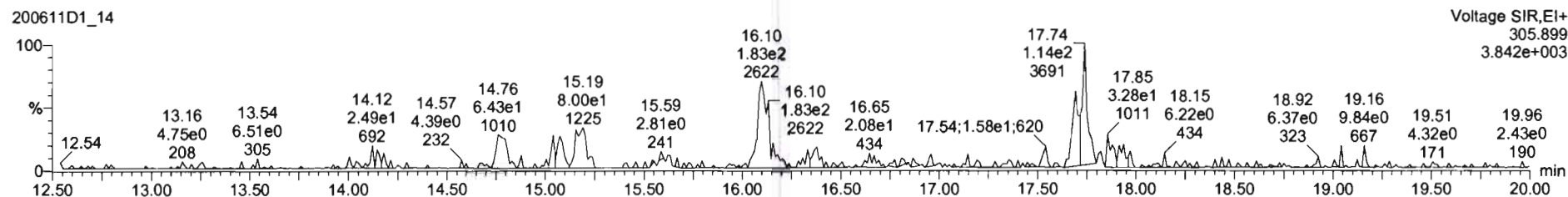
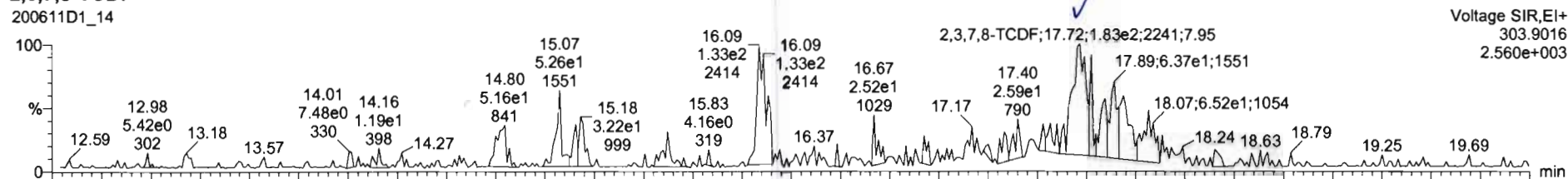
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_14.qld

Last Altered: Friday, June 12, 2020 09:34:19 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:12:58 Pacific Daylight Time

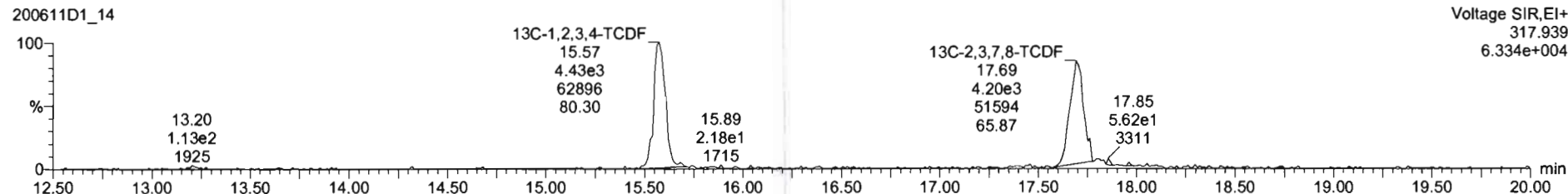
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_14, Date: 11-Jun-2020, Time: 18:07:04, ID: 2001037-06RE1 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

2,3,7,8-TCDF

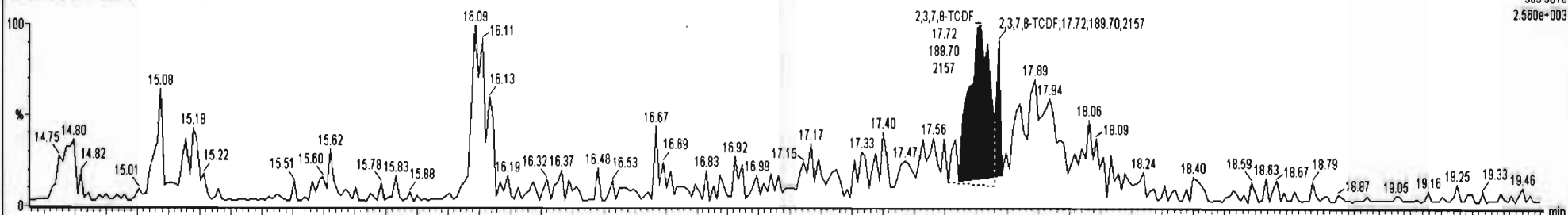


13C-2,3,7,8-TCDF



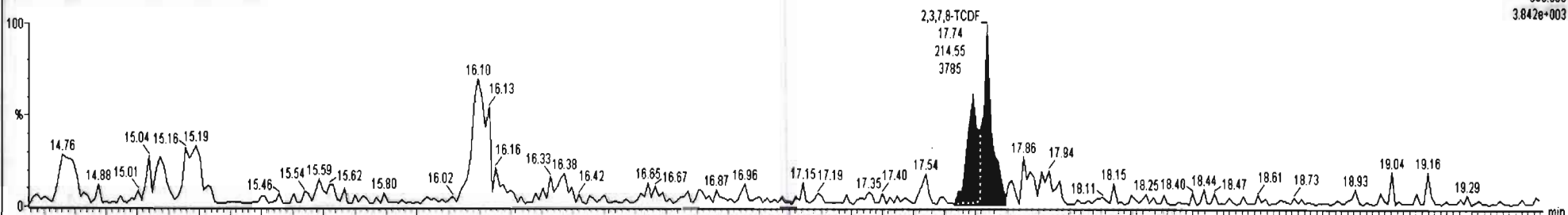
200611D1_14
PD1-096SC-B-00-02-200507 2001037-06RE1 PD1-096SC-B-00-02-200507 16.66

Voltage SIR.EI+
303.9016
2.580e+003



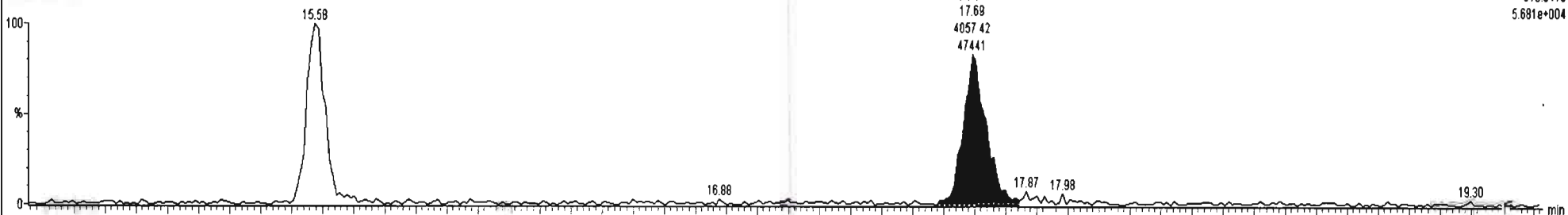
200611D1_14
PD1-096SC-B-00-02-200507 2001037-06RE1 PD1-096SC-B-00-02-200507 16.66

Voltage SIR.EI+
305.899
3.842e+003



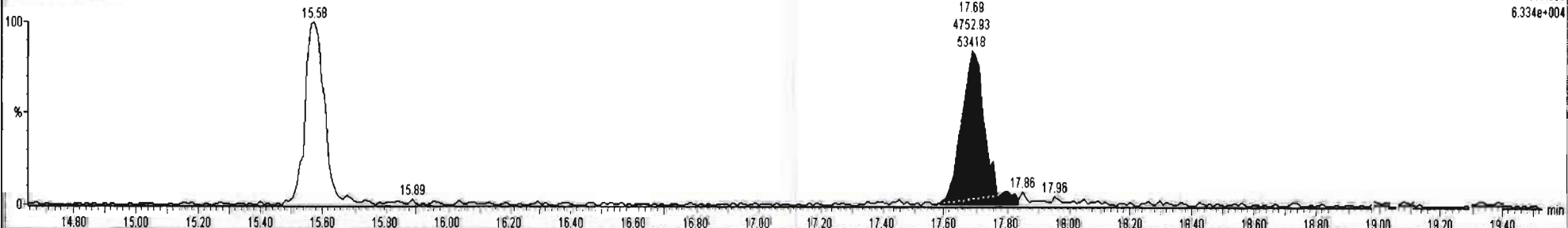
200611D1_14
PD1-096SC-B-00-02-200507 2001037-06RE1 PD1-096SC-B-00-02-200507 16.66

Voltage SIR.EI+
315.9419
5.681e+004



200611D1_14
PD1-096SC-B-00-02-200507 2001037-06RE1 PD1-096SC-B-00-02-200507 16.66

Voltage SIR.EI+
317.939
6.334e+004



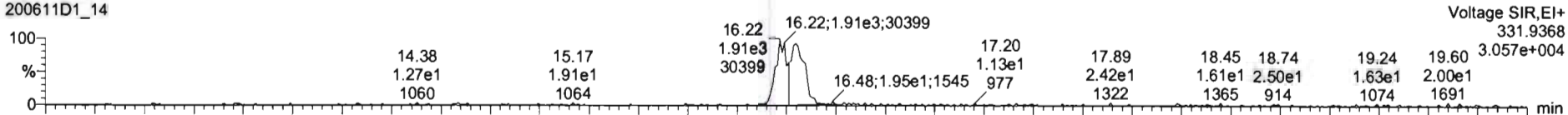
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_14.qld

Last Altered: Friday, June 12, 2020 09:34:19 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:12:58 Pacific Daylight Time

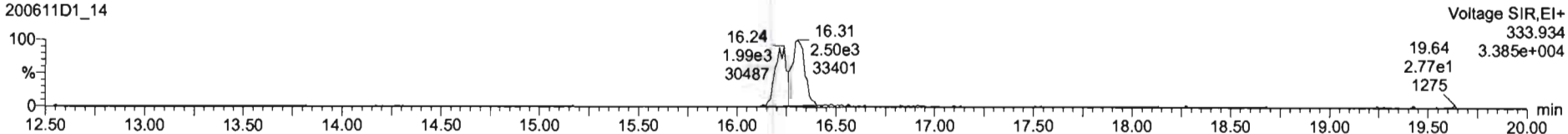
Name: 200611D1_14, Date: 11-Jun-2020, Time: 18:07:04, ID: 2001037-06RE1 PDI-096SC-B-00-02-200507 16.66, Description: PDI-096SC-B-00-02-200507

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

200611D1_14

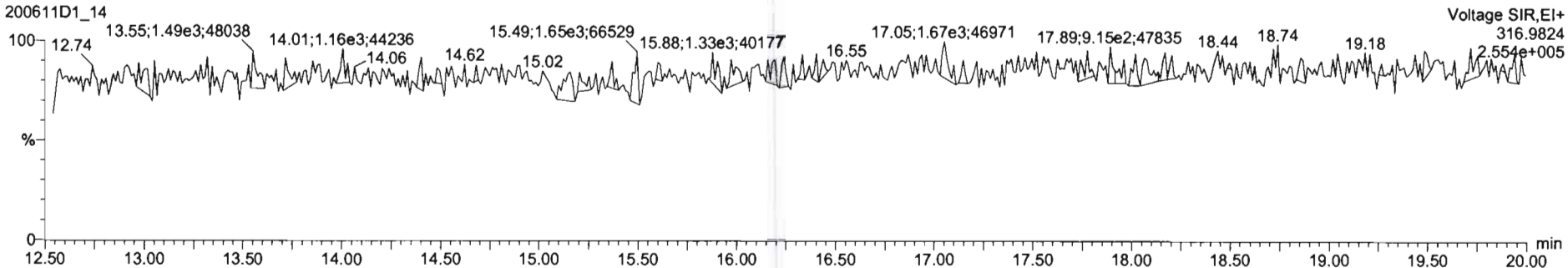


200611D1_14



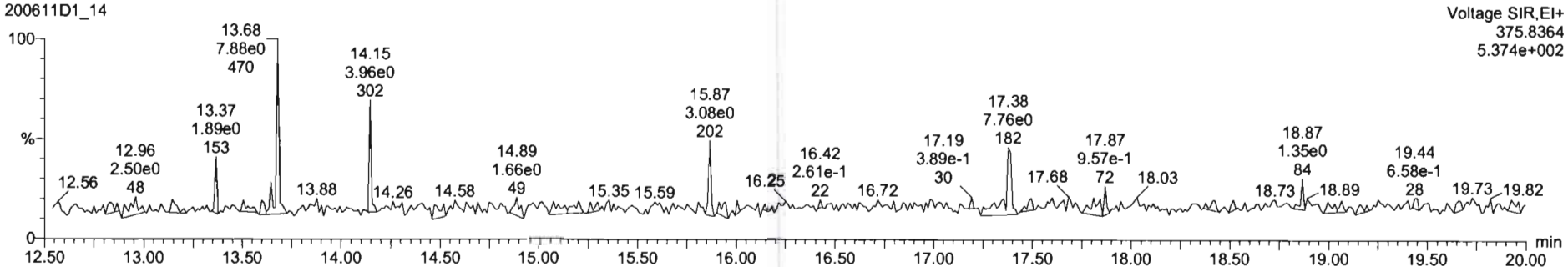
PFK1

200611D1_14



DPE1

200611D1_14



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_15.qld

Last Altered: Friday, June 12, 2020 10:20:11 Pacific Daylight Time

Printed: Friday, June 12, 2020 10:20:25 Pacific Daylight Time

DB 6/12/20

de 6/23/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_15, Date: 11-Jun-2020, Time: 18:38:46, ID: 2001037-07RE1 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	6.30e2	0.85	NO	0.982	10.011 ✓	17.724	17.70	1.000	1.000	15.939		6.24	15.9
2	2 13C-2,3,7,8-TCDF	8.04e3	0.80	NO	1.08	10.011	17.759	17.70	1.133	1.135	162.53	81.4	6.18	
3	3 13C-1,2,3,4-TCDF	9.13e3	0.84	NO	1.00	10.011	15.660	15.60	1.000	1.000	199.78 ✓	100	6.69	

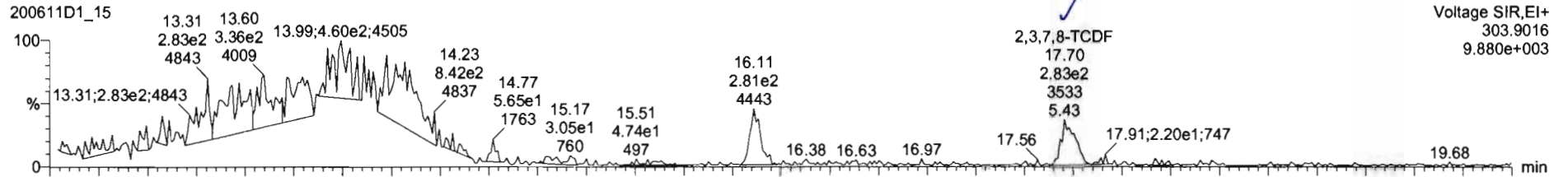
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_15.qld

Last Altered: Friday, June 12, 2020 09:35:12 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:17:01 Pacific Daylight Time

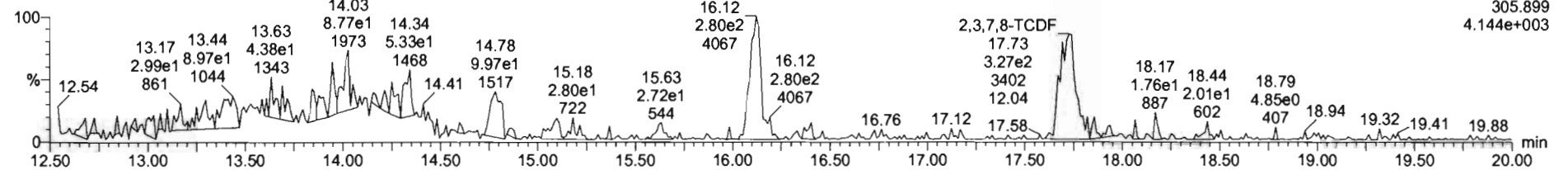
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_15, Date: 11-Jun-2020, Time: 18:38:46, ID: 2001037-07RE1 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

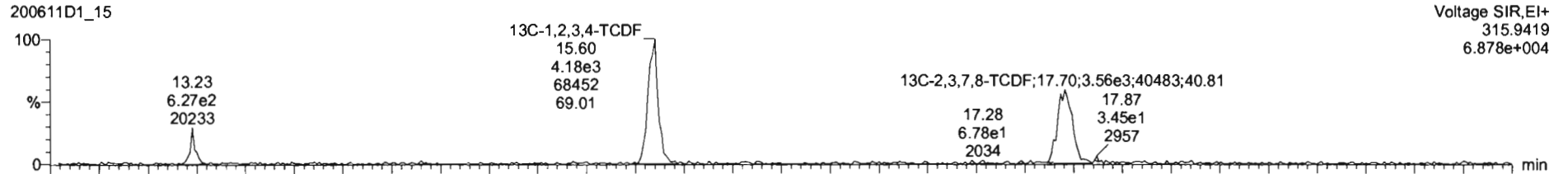
2,3,7,8-TCDF



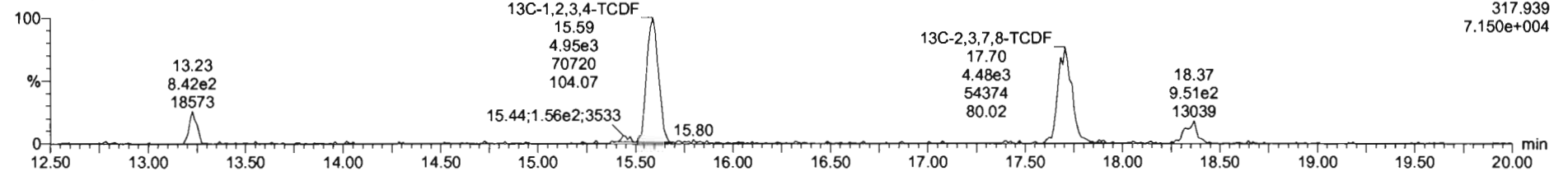
200611D1_15

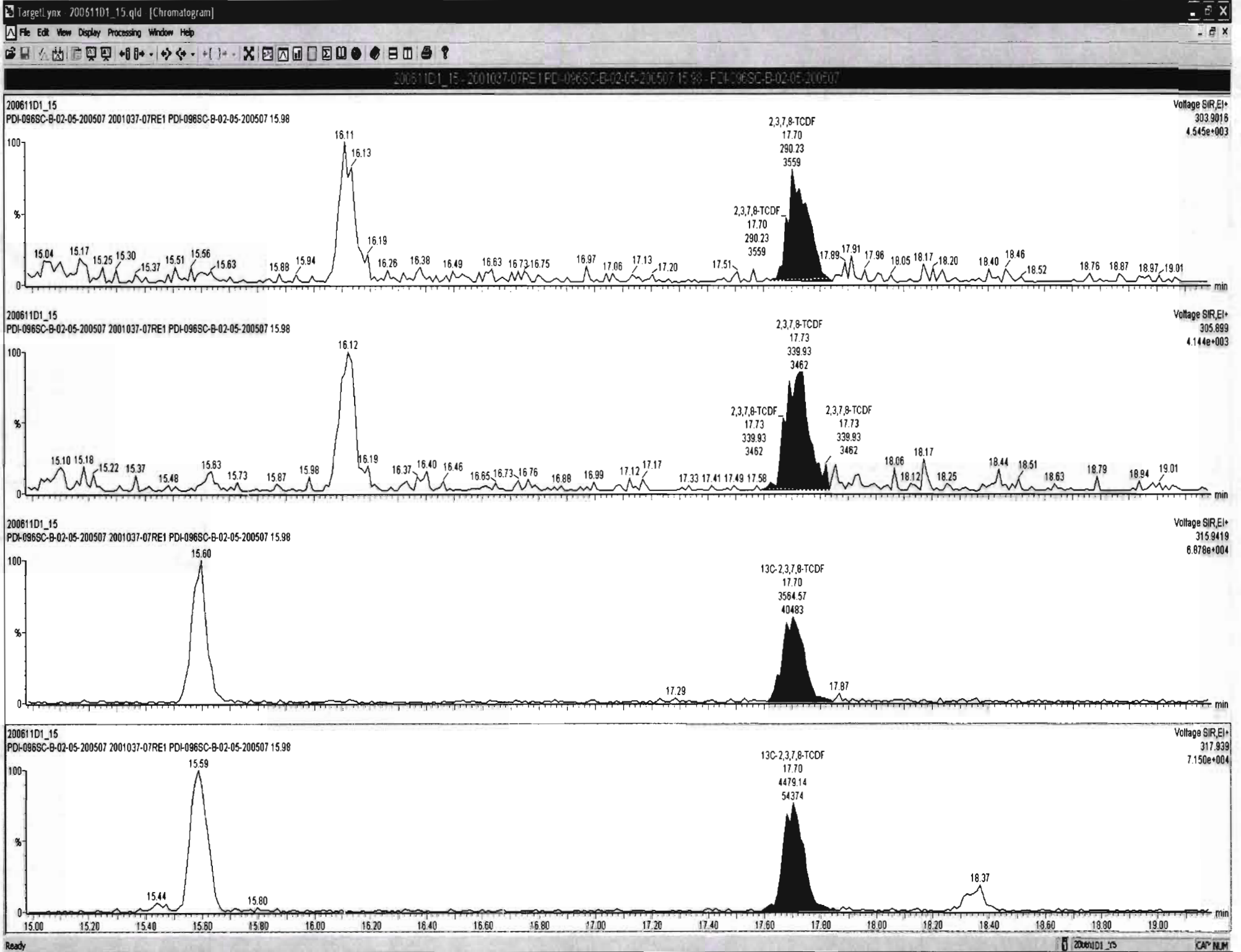


13C-2,3,7,8-TCDF



200611D1_15



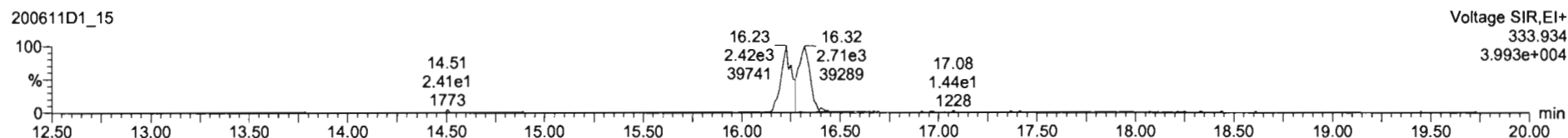
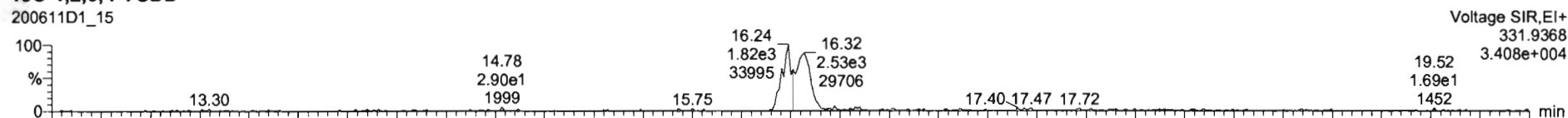


Dataset: U:\VG7.PRO\Results\200611D1\200611D1_15.qld

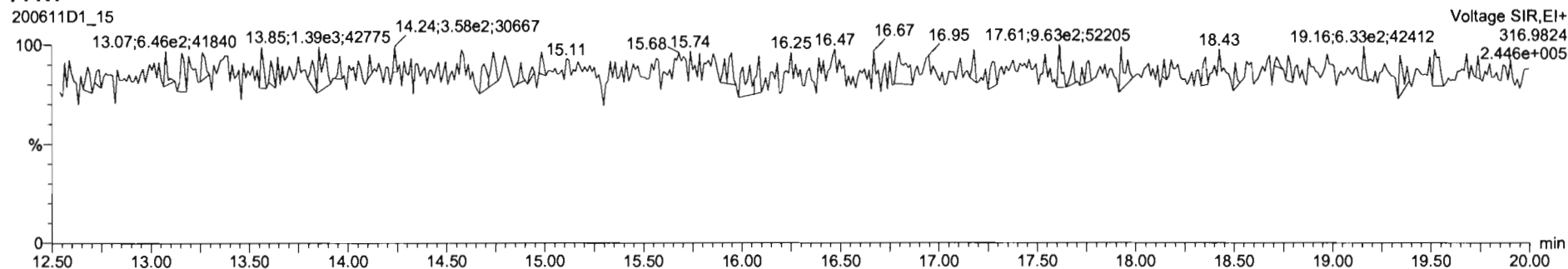
Last Altered: Friday, June 12, 2020 09:35:12 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:17:01 Pacific Daylight Time

Name: 200611D1_15, Date: 11-Jun-2020, Time: 18:38:46, ID: 2001037-07RE1 PDI-096SC-B-02-05-200507 15.98, Description: PDI-096SC-B-02-05-200507

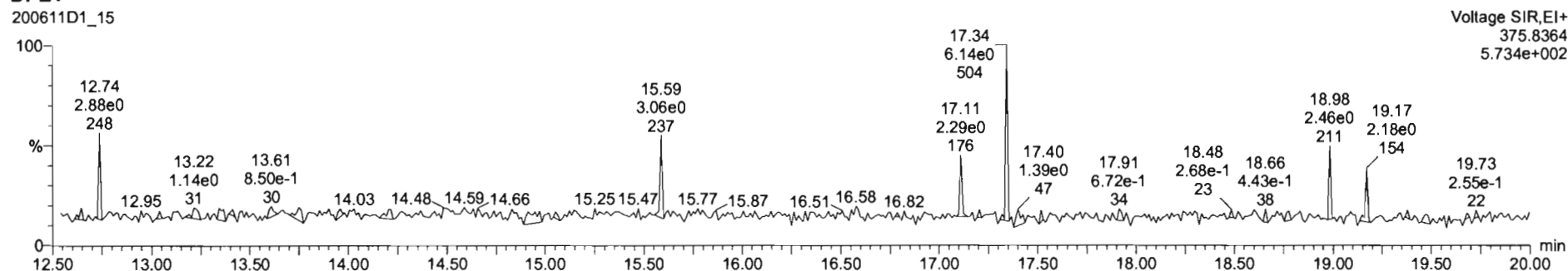
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_16.qld

Last Altered: Friday, June 12, 2020 10:23:26 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:23:49 Pacific Daylight Time

DB 6/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

du 6/23/20

Name: 200611D1_16, Date: 11-Jun-2020, Time: 19:10:30, ID: 2001037-09RE1 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	1.56e3	0.78	NO	0.982	10.091	17.724	17.73	1.000	1.001	34.159		3.48	34.2
2	2 13C-2,3,7,8-TCDF	9.19e3	0.84	NO	1.08	10.091	17.724	17.70	1.133	1.137	166.30	83.9	6.84	
3	3 13C-1,2,3,4-TCDF	1.01e4	0.85	NO	1.00	10.091	15.660	15.56	1.000	1.000	198.20	100	7.41	

Dataset: U:\VG7.PRO\Results\200611D1\200611D1_16.qld

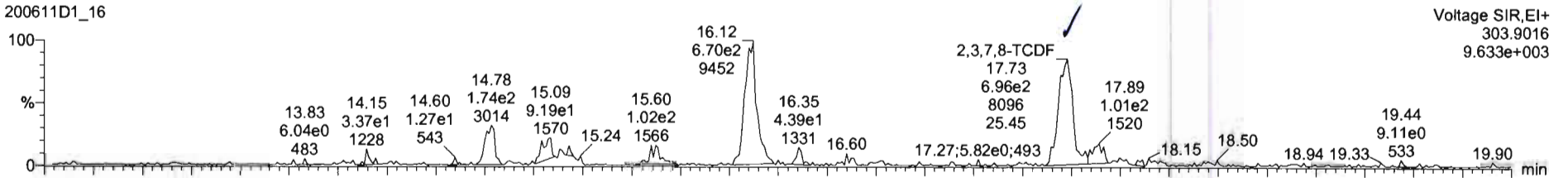
Last Altered: Friday, June 12, 2020 09:37:05 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:22:46 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

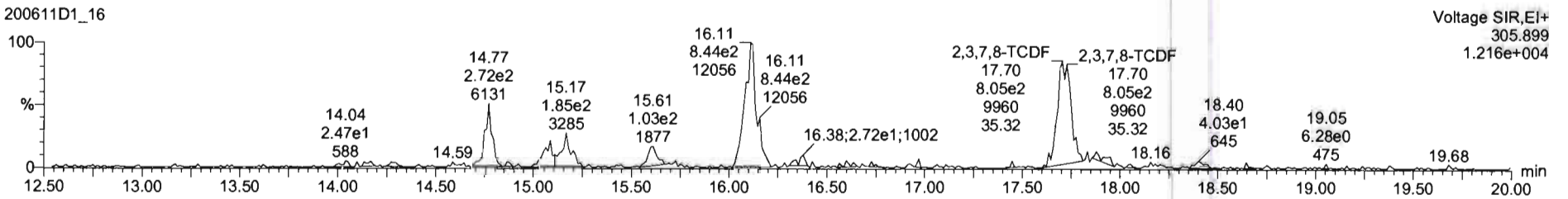
Name: 200611D1_16, Date: 11-Jun-2020, Time: 19:10:30, ID: 2001037-09RE1 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

2,3,7,8-TCDF

200611D1_16

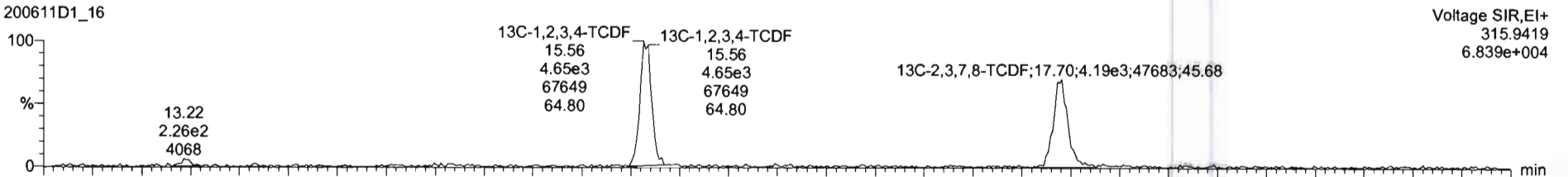


200611D1_16

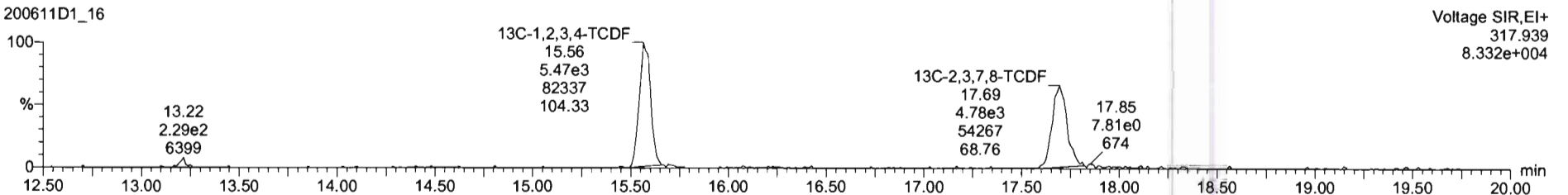


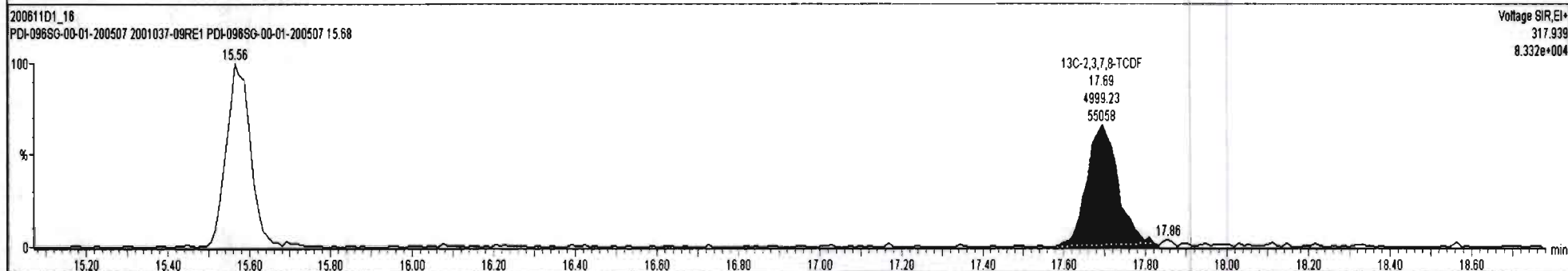
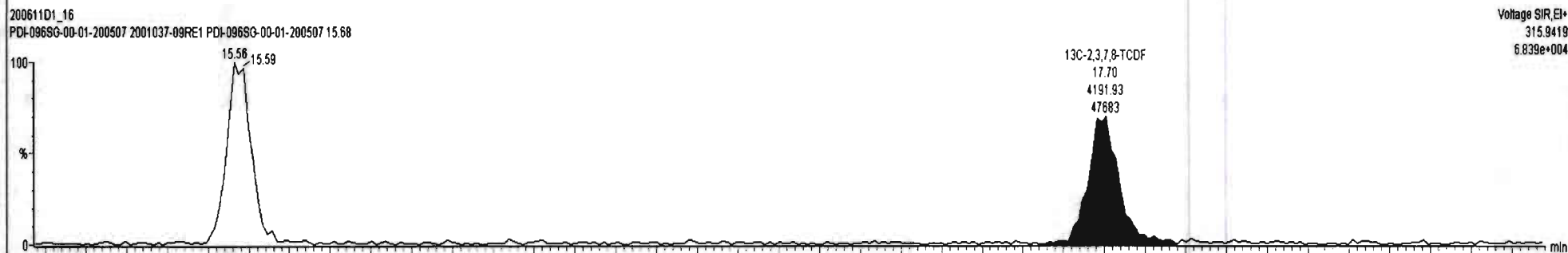
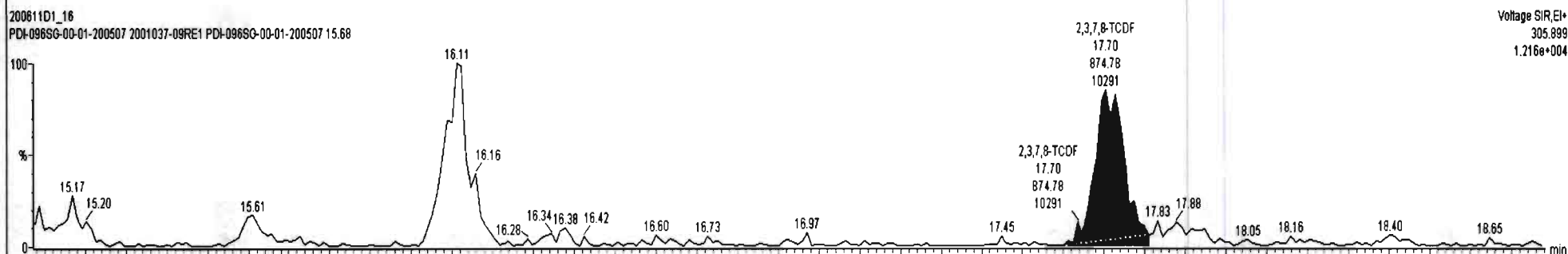
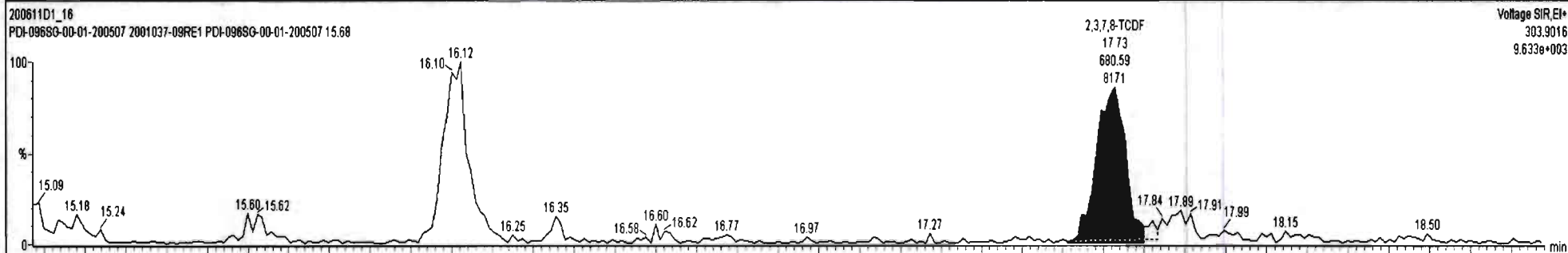
13C-2,3,7,8-TCDF

200611D1_16



200611D1_16





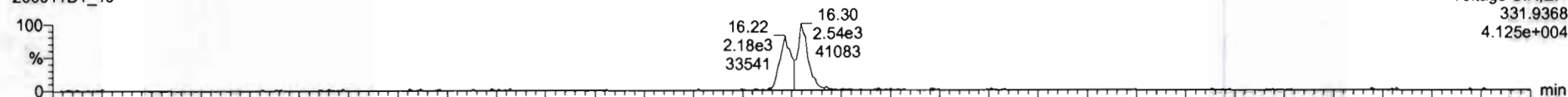
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_16.qld

Last Altered: Friday, June 12, 2020 09:37:05 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:22:46 Pacific Daylight Time

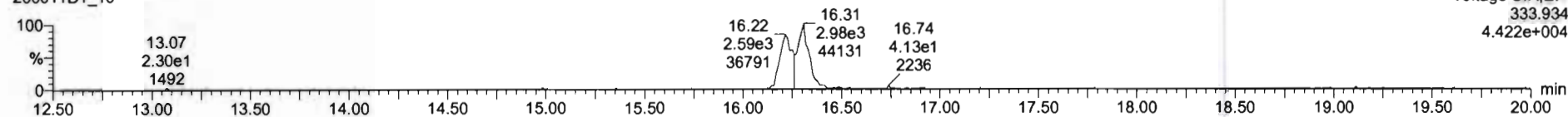
Name: 200611D1_16, Date: 11-Jun-2020, Time: 19:10:30, ID: 2001037-09RE1 PDI-096SG-00-01-200507 15.68, Description: PDI-096SG-00-01-200507

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

200611D1_16

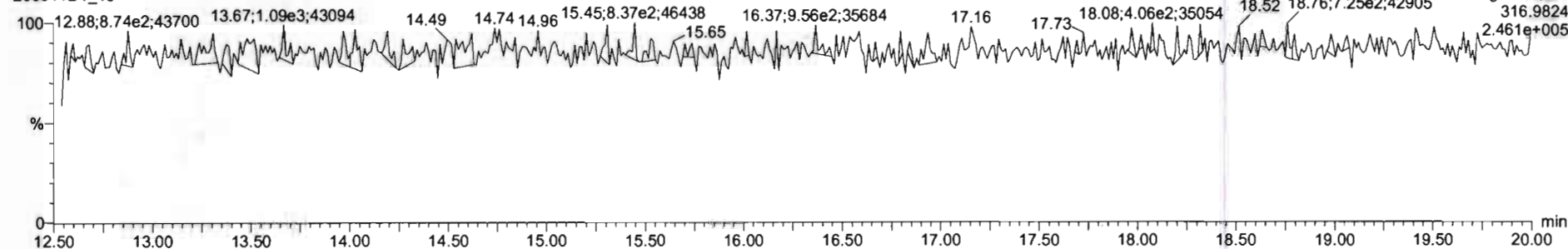


200611D1_16



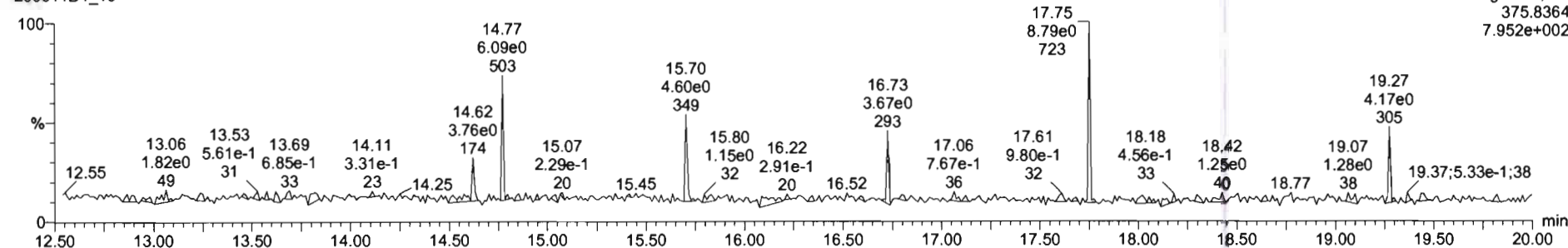
PFK1

200611D1_16



DPE1

200611D1_16



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_17.qld

Last Altered: Friday, June 12, 2020 10:26:39 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:27:27 Pacific Daylight Time

DB 6/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

JK 6/23/20

Name: 200611D1_17, Date: 11-Jun-2020, Time: 19:42:11, ID: 2001037-10RE1 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	1.73e3	0.80	NO	0.982	10.087 ✓	17.712	17.73	1.000	1.002	35.997		3.00	36.0
2	2 13C-2,3,7,8-TCDF	9.71e3	0.82	NO	1.08	10.087	17.747	17.69	1.133	1.135	161.34	81.4	5.01	
3	3 13C-1,2,3,4-TCDF	1.10e4	0.88	NO	1.00	10.087	15.660	15.59	1.000	1.000	198.27 ✓	100	5.42	

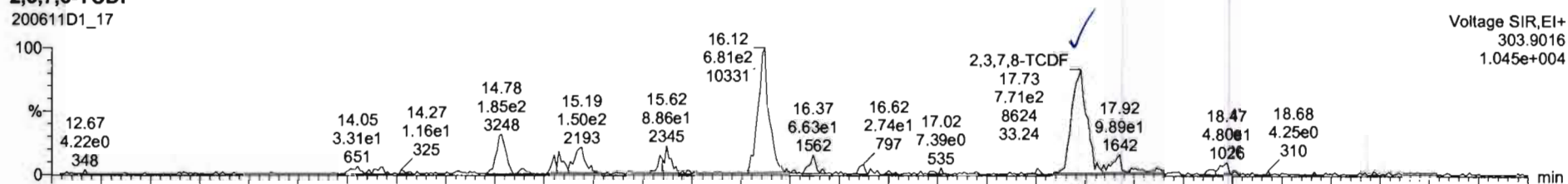
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_17.qld

Last Altered: Friday, June 12, 2020 09:38:00 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:26:00 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Callibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

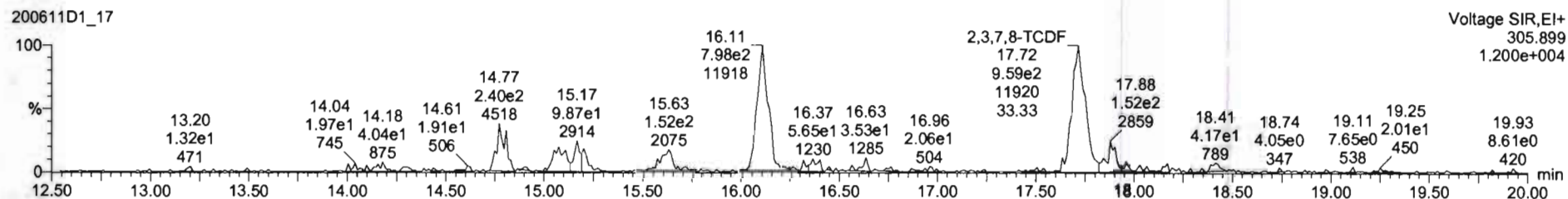
Name: 200611D1_17, Date: 11-Jun-2020, Time: 19:42:11, ID: 2001037-10RE1 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

2,3,7,8-TCDF
200611D1_17



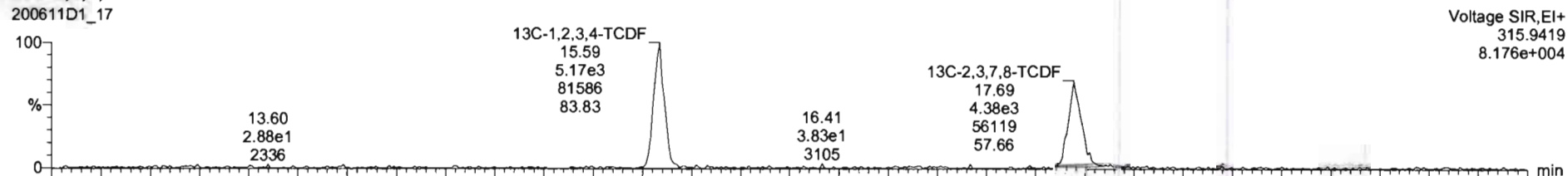
Voltage SIR,EI+
303.9016
1.045e+004

200611D1_17



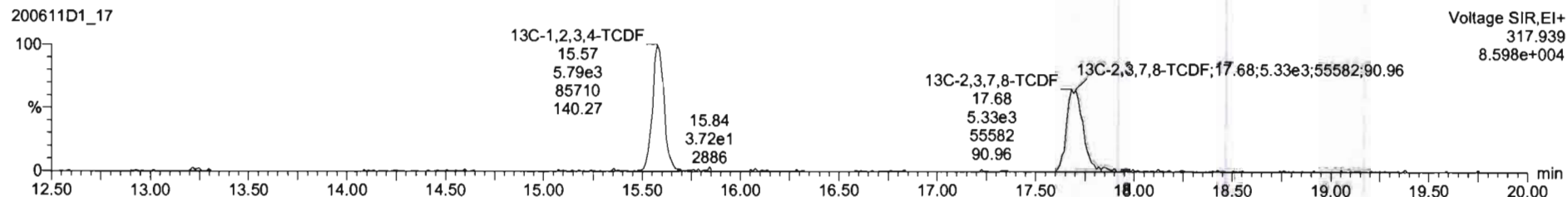
Voltage SIR,EI+
305.899
1.200e+004

13C-2,3,7,8-TCDF
200611D1_17

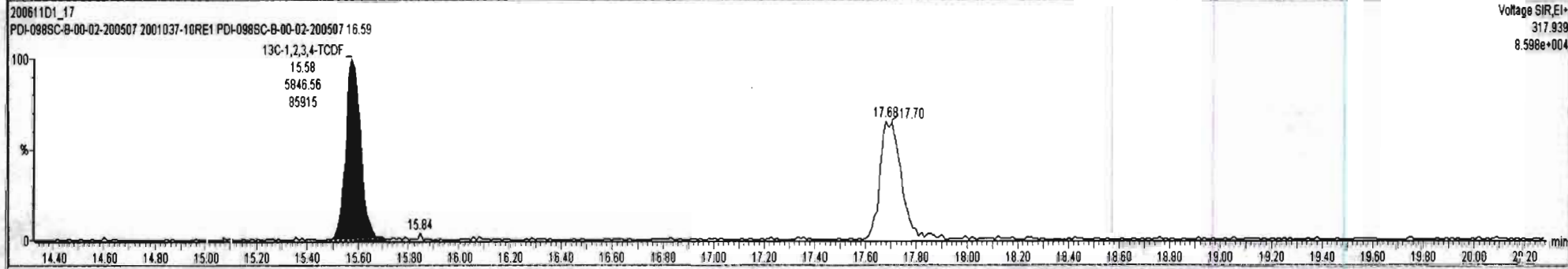
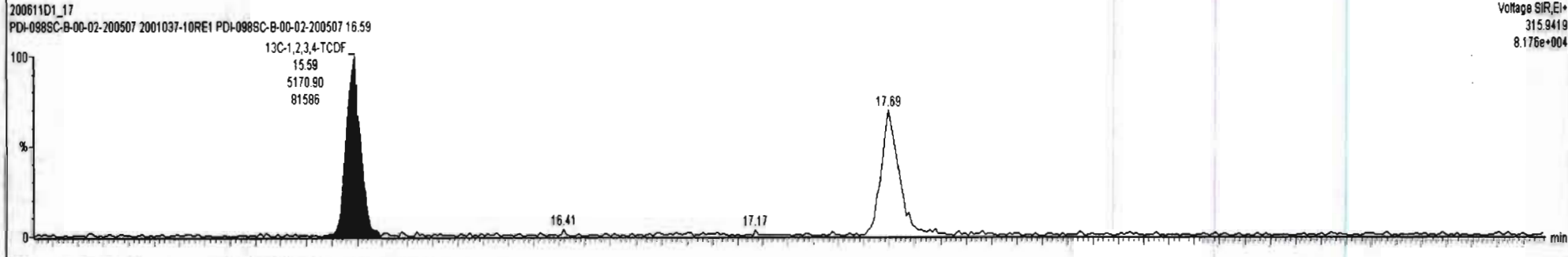
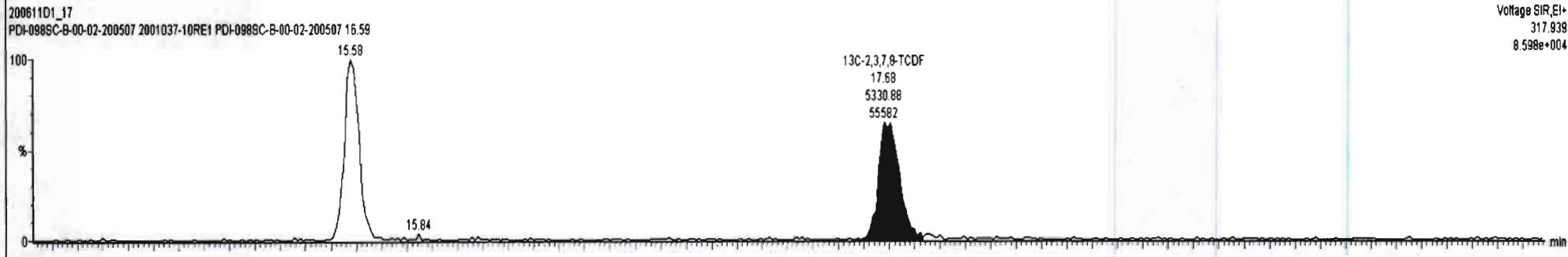
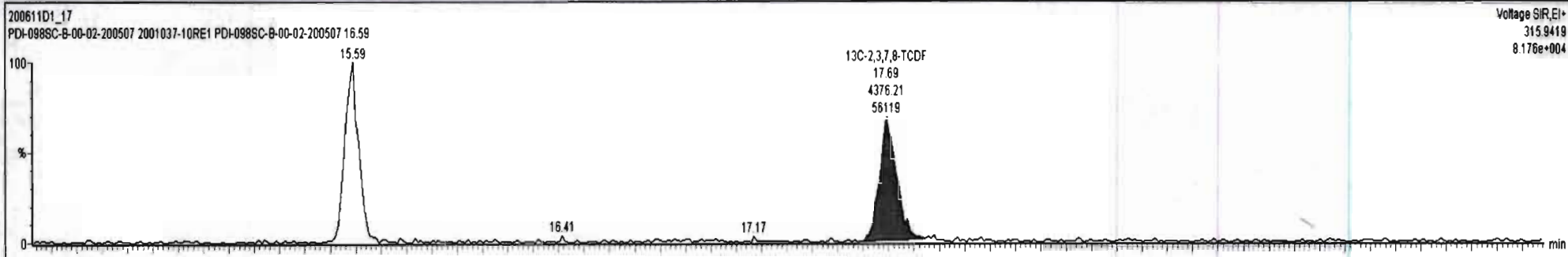


Voltage SIR,EI+
315.9419
8.176e+004

200611D1_17



Voltage SIR,EI+
317.939
8.598e+004



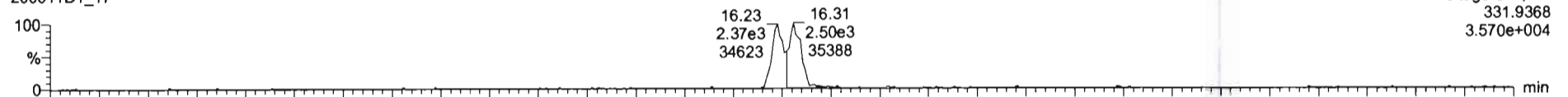
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_17.qld

Last Altered: Friday, June 12, 2020 09:38:00 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:26:00 Pacific Daylight Time

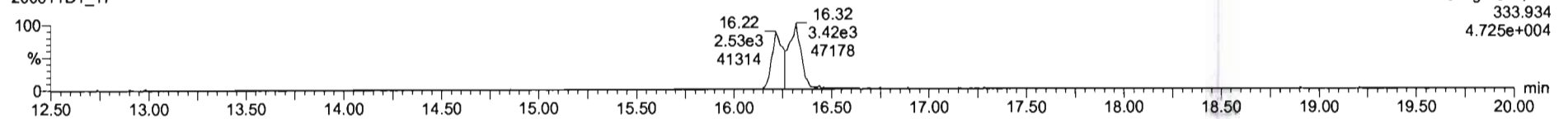
Name: 200611D1_17, Date: 11-Jun-2020, Time: 19:42:11, ID: 2001037-10RE1 PDI-098SC-B-00-02-200507 16.59, Description: PDI-098SC-B-00-02-200507

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

200611D1_17

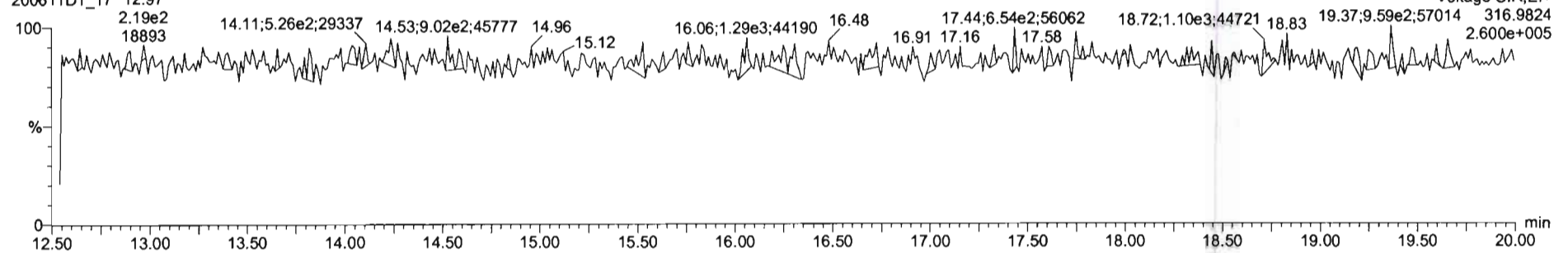


200611D1_17



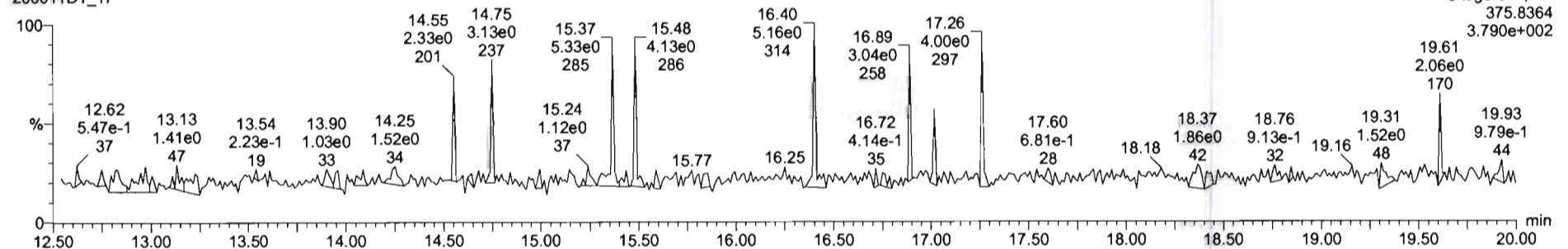
PFK1

200611D1_17 12.97



DPE1

200611D1_17



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_18.qld

Last Altered: Friday, June 12, 2020 10:30:14 Pacific Daylight Time

Printed: Friday, June 12, 2020 10:30:28 Pacific Daylight Time

DB 6/12/20

du 6/23/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_18, Date: 11-Jun-2020, Time: 20:13:54, ID: 2001037-11RE1 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	3.04e3	0.78	NO	0.982	10.047	17.724	17.72	1.000	1.001	62.815		3.36	62.8
2	2 13C-2,3,7,8-TCDF	9.81e3	0.82	NO	1.08	10.047	17.747	17.70	1.133	1.136	174.42	87.6	5.46	
3	3 13C-1,2,3,4-TCDF	1.03e4	0.88	NO	1.00	10.047	15.660	15.59	1.000	1.000	199.06	100	5.91	

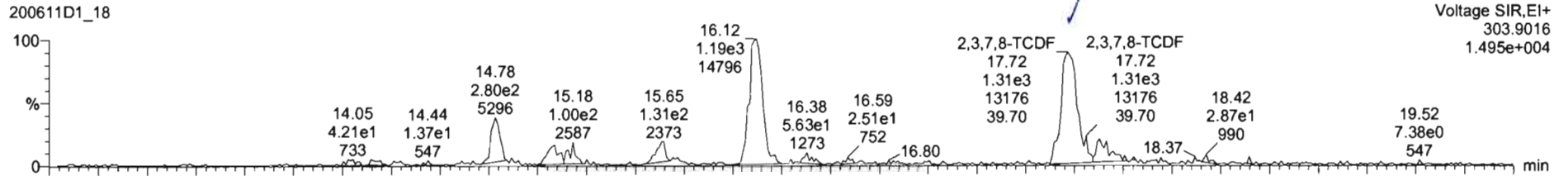
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_18.qld

Last Altered: Friday, June 12, 2020 09:38:59 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:29:12 Pacific Daylight Time

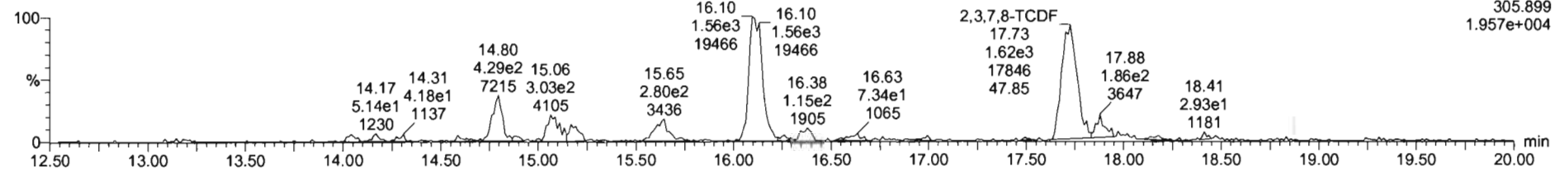
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_18, Date: 11-Jun-2020, Time: 20:13:54, ID: 2001037-11RE1 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

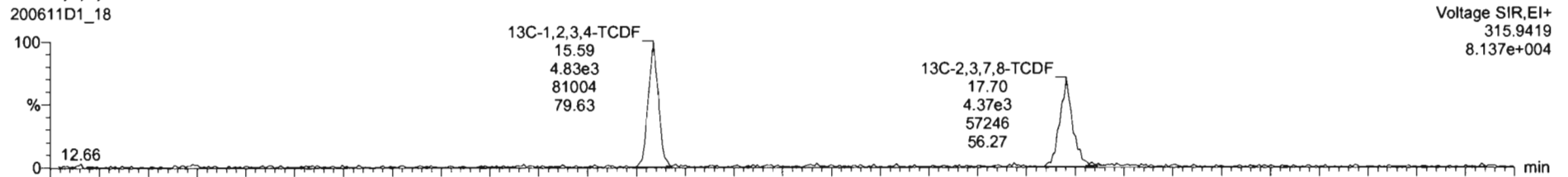
2,3,7,8-TCDF



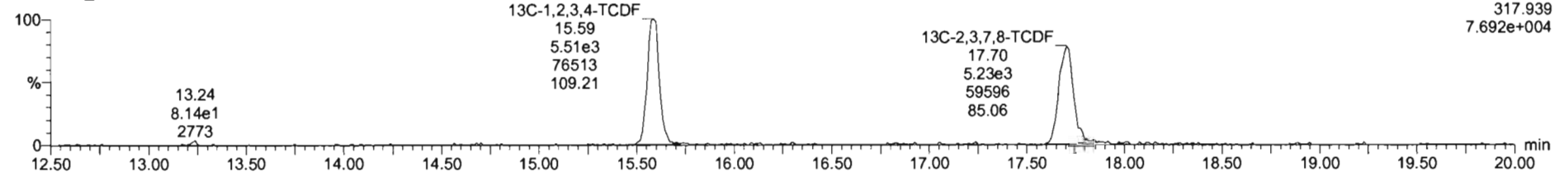
200611D1_18

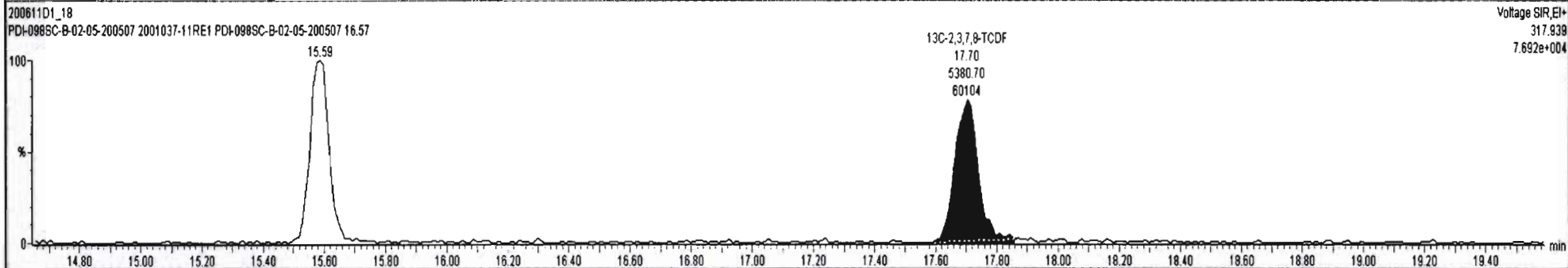
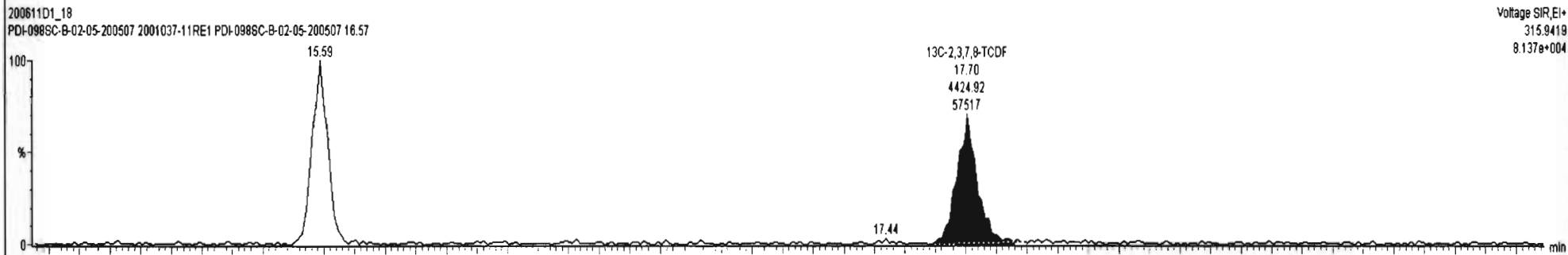
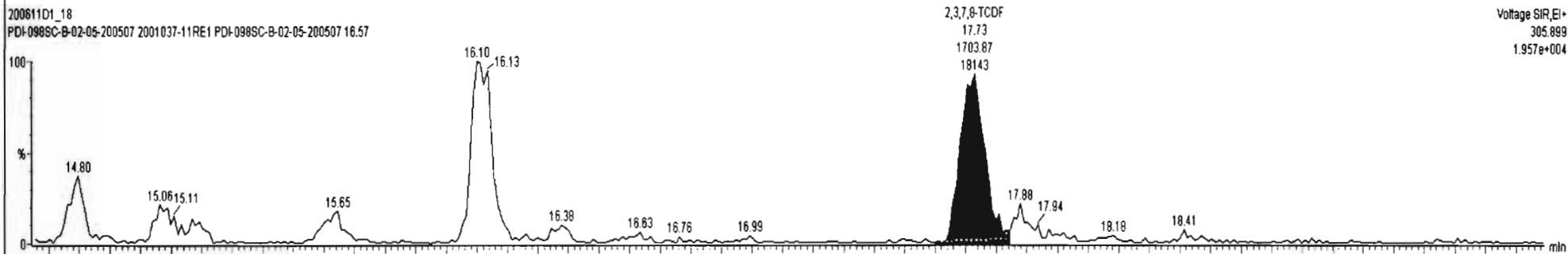
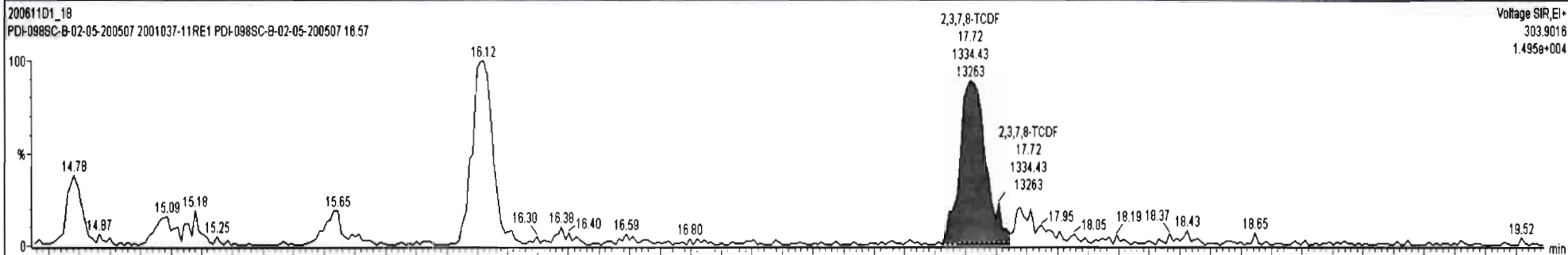


13C-2,3,7,8-TCDF



200611D1_18





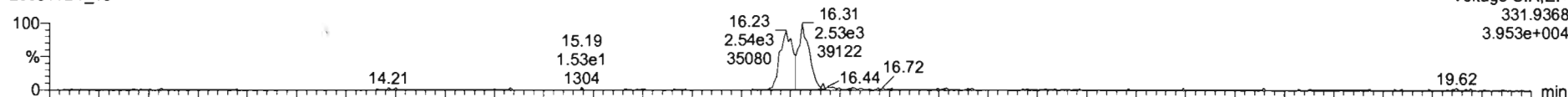
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_18.qld

Last Altered: Friday, June 12, 2020 09:38:59 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:29:12 Pacific Daylight Time

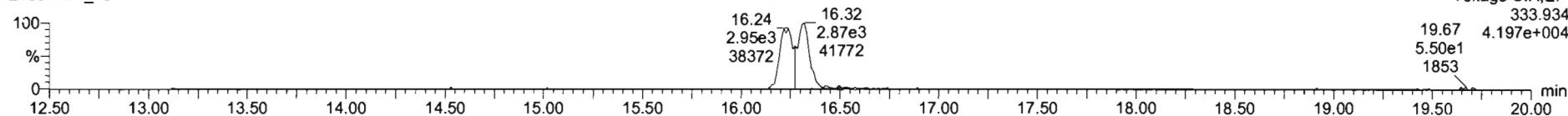
Name: 200611D1_18, Date: 11-Jun-2020, Time: 20:13:54, ID: 2001037-11RE1 PDI-098SC-B-02-05-200507 16.57, Description: PDI-098SC-B-02-05-200507

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

200611D1_18

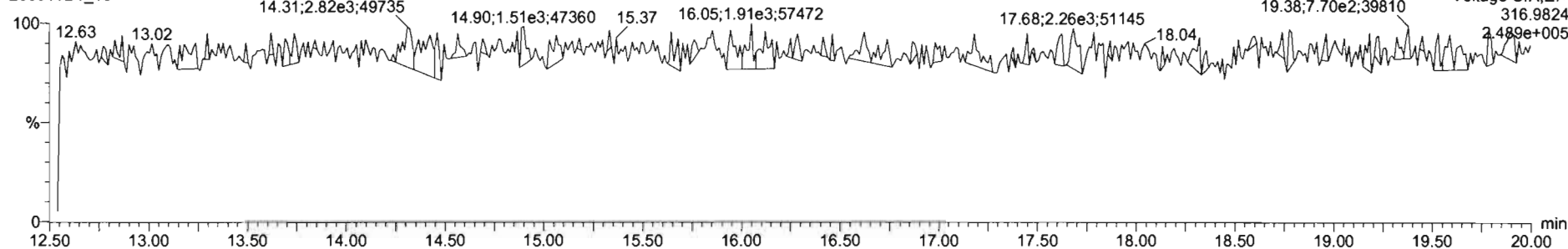


200611D1_18



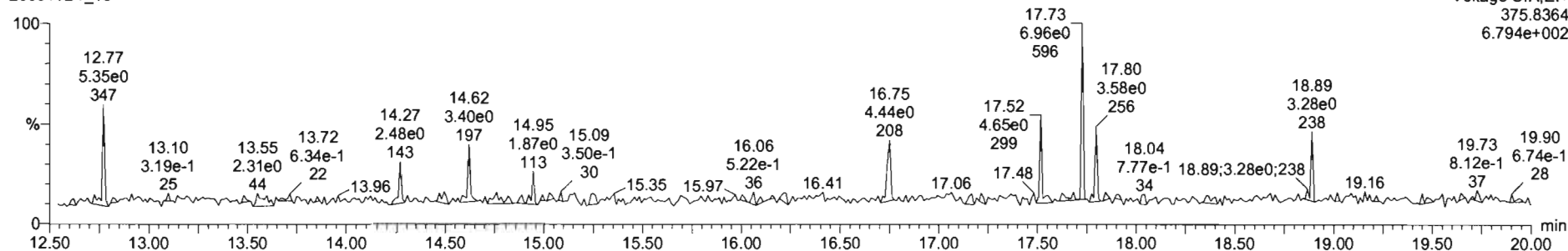
PFK1

200611D1_18



DPE1

200611D1_18



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_19.qld

Last Altered: Friday, June 12, 2020 09:39:55 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:32:39 Pacific Daylight Time

DB 6/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

dl 6/22/20

Name: 200611D1_19, Date: 11-Jun-2020, Time: 20:45:37, ID: 2001037-12RE1 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	4.55e3	0.75	NO	0.982	10.000	17.736	17.73	1.000	1.001	116.38		4.18	116
2	2 13C-2,3,7,8-TCDF	7.96e3	0.83	NO	1.08	10.000	17.771	17.72	1.133	1.135	152.60	76.3	6.31	
3	3 13C-1,2,3,4-TCDF	9.64e3	0.84	NO	1.00	10.000	15.660	15.61	1.000	1.000	199.99	100	6.83	

Dataset: U:\VG7.PRO\Results\200611D1\200611D1_19.qld

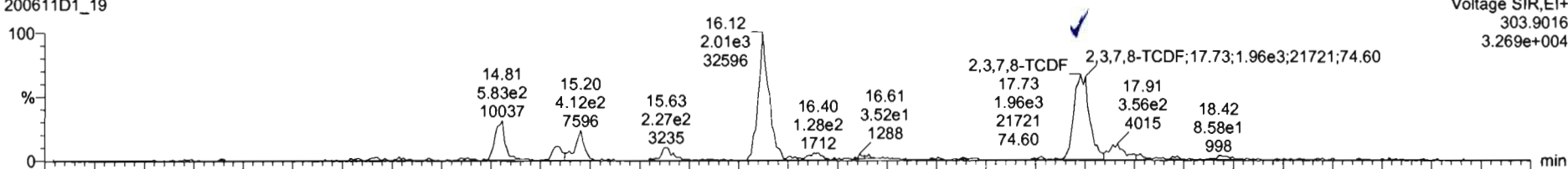
Last Altered: Friday, June 12, 2020 09:39:55 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:32:58 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg-2-11-20.cdb 12 Feb 2020 11:17:56

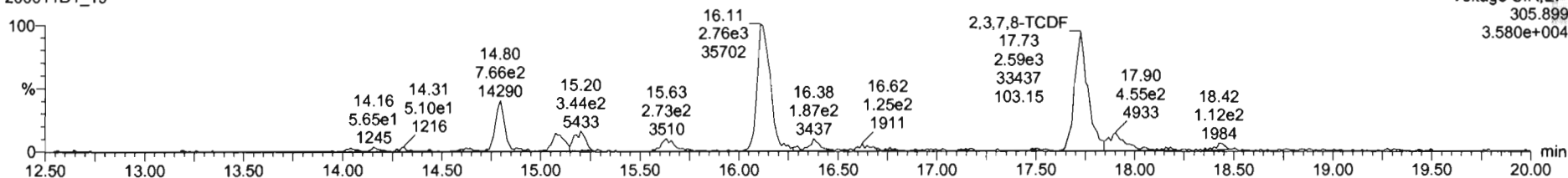
Name: 200611D1_19, Date: 11-Jun-2020, Time: 20:45:37, ID: 2001037-12RE1 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

2,3,7,8-TCDF

200611D1_19

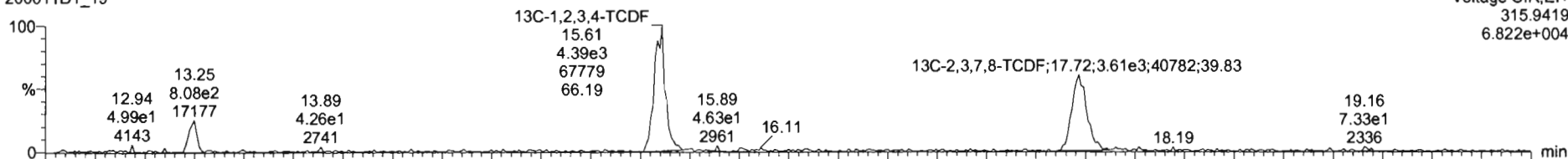


200611D1_19

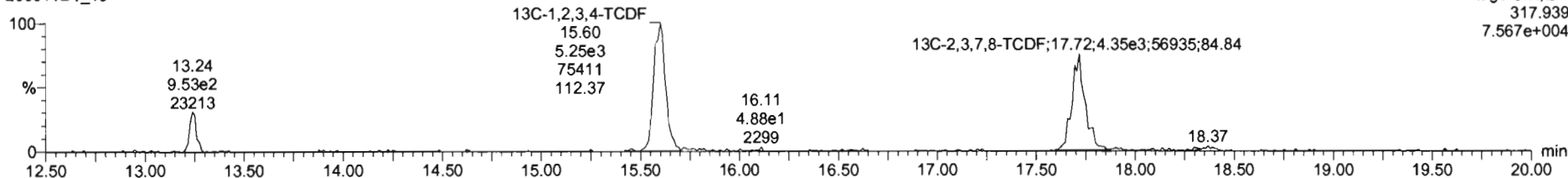


13C-2,3,7,8-TCDF

200611D1_19



200611D1_19

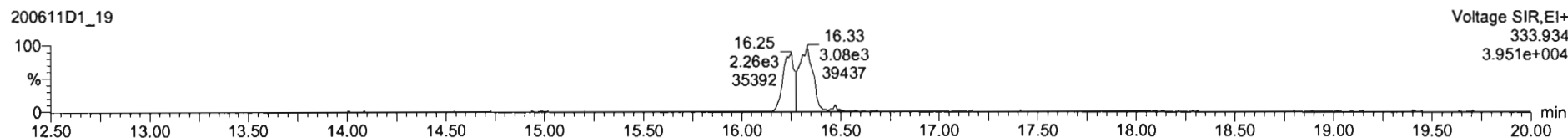
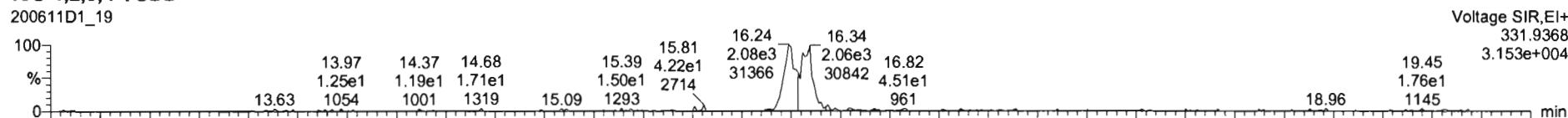


Dataset: U:\VG7.PRO\Results\200611D1\200611D1_19.qld

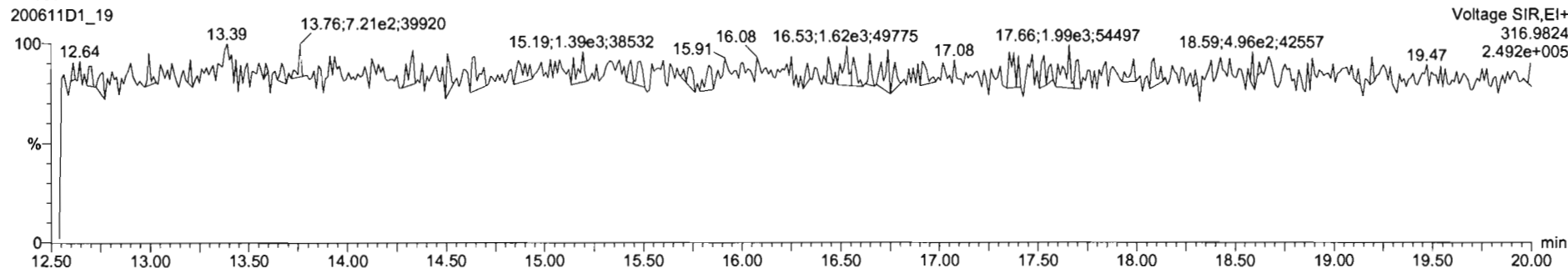
Last Altered: Friday, June 12, 2020 09:39:55 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:32:58 Pacific Daylight Time

Name: 200611D1_19, Date: 11-Jun-2020, Time: 20:45:37, ID: 2001037-12RE1 PDI-098SC-B-05-07-200507 15.77, Description: PDI-098SC-B-05-07-200507

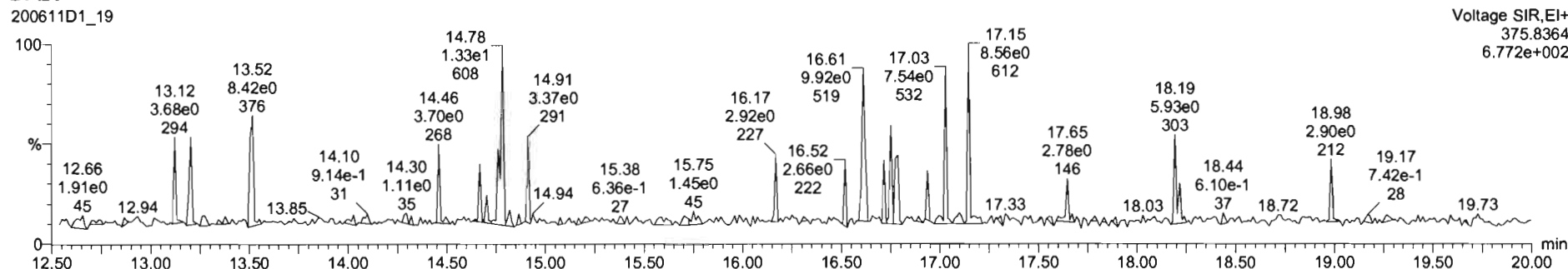
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_11.qld

Last Altered: Friday, June 12, 2020 10:46:23 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:46:41 Pacific Daylight Time

DB 6/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

h 6/23/20

Name: 200611D1_11, Date: 11-Jun-2020, Time: 16:31:59, ID: B0E0150-DUP1RE1 Duplicate, 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-TCDF	4.14e3	0.71	NO	0.982	10.108 ✓	17.736	17.73	1.000	1.001	84.899		5.14	84.9
2	2 13C-2,3,7,8-TCDF	9.83e3	0.83	NO	1.08	10.108	17.747	17.72	1.133	1.137	169.83	85.8	9.01	
3	3 13C-1,2,3,4-TCDF	1.06e4	0.82	NO	1.00	10.108	15.660	15.59	1.000	1.000	197.86 ✓	100	9.75	

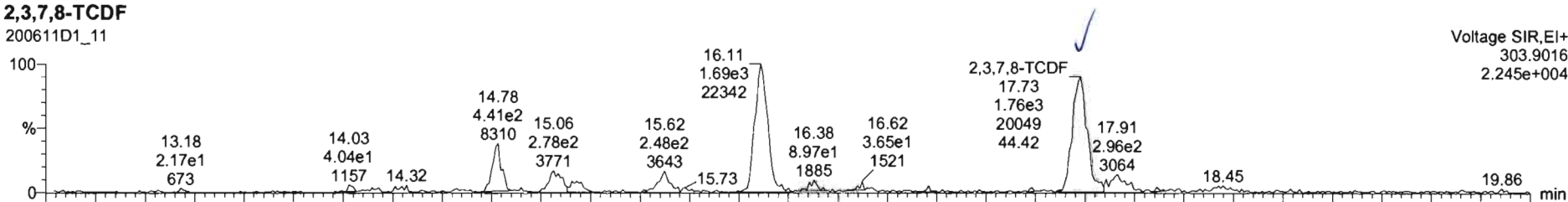
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_11.qld

Last Altered: Thursday, June 11, 2020 17:00:13 Pacific Daylight Time
Printed: Thursday, June 11, 2020 17:02:04 Pacific Daylight Time

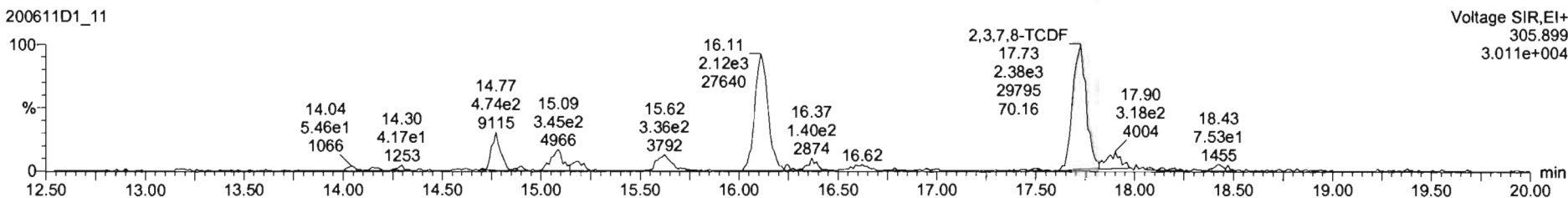
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_11, Date: 11-Jun-2020, Time: 16:31:59, ID: B0E0150-DUP1RE1 Duplicate, Description: Duplicate

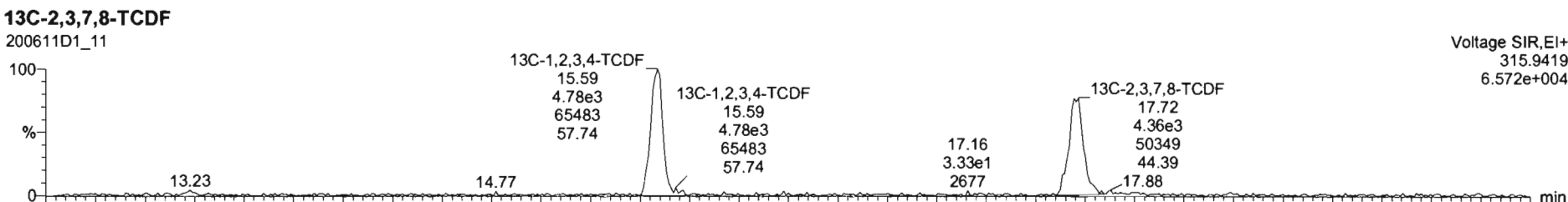
2,3,7,8-TCDF
200611D1_11



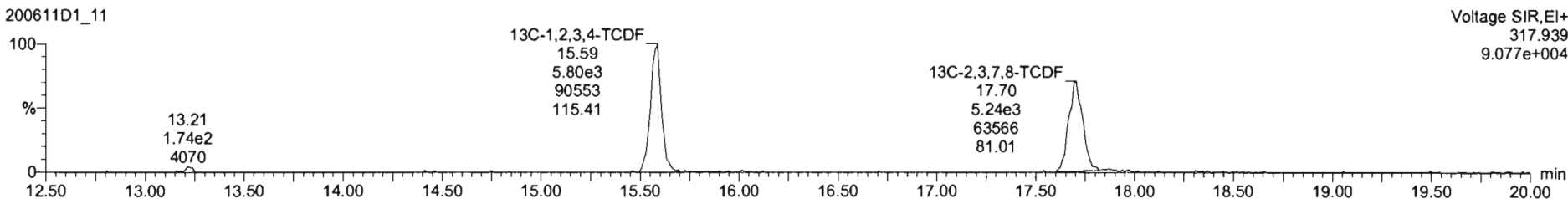
200611D1_11

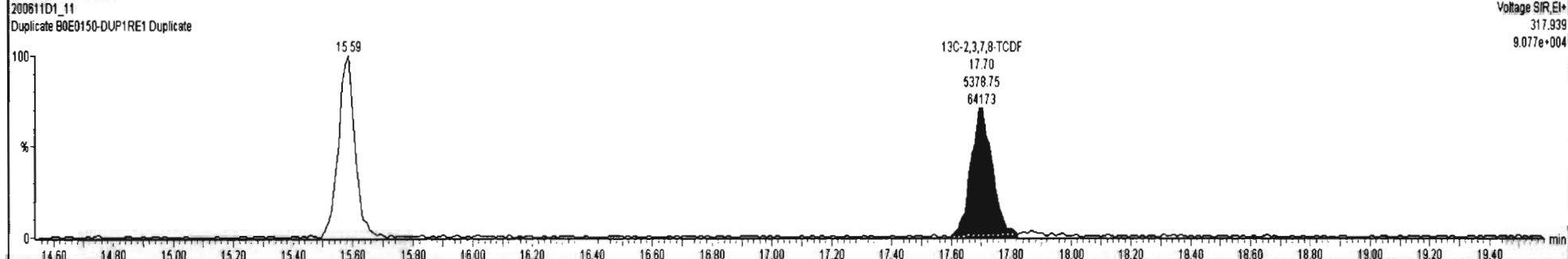
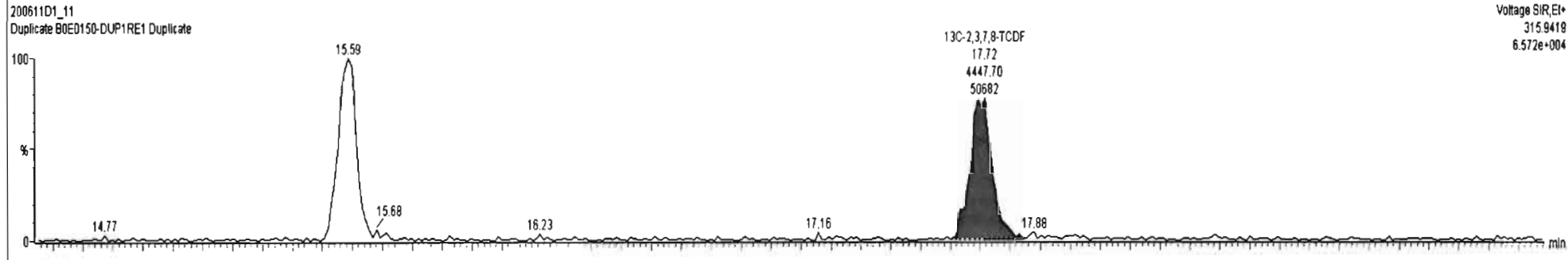
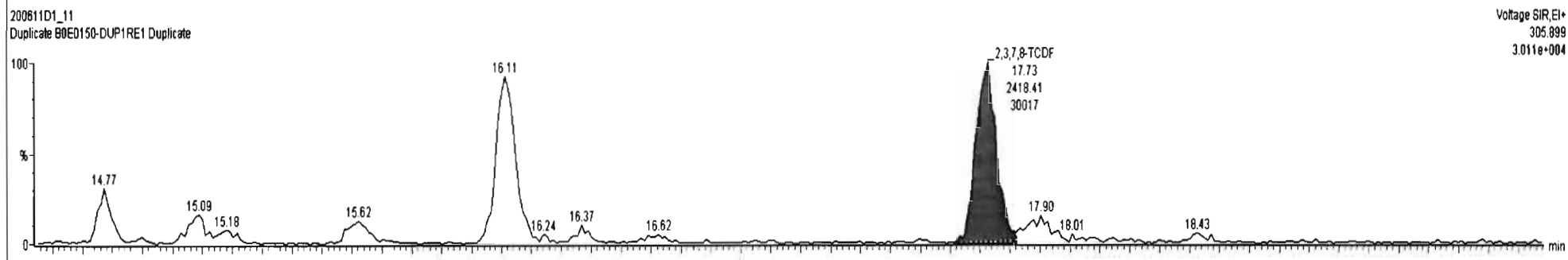
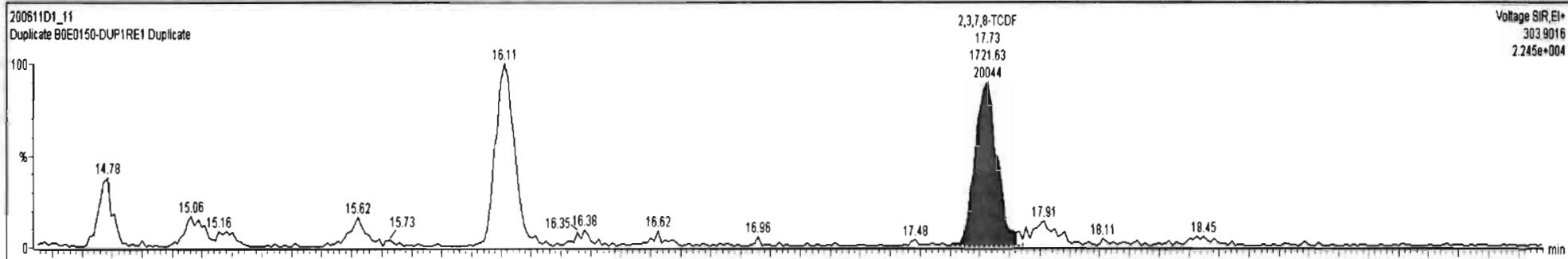


13C-2,3,7,8-TCDF
200611D1_11



200611D1_11





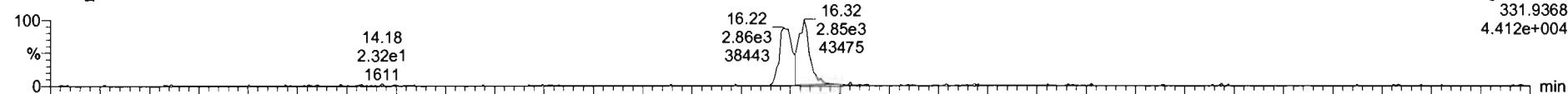
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_11.qld

Last Altered: Thursday, June 11, 2020 17:00:13 Pacific Daylight Time
Printed: Thursday, June 11, 2020 17:02:04 Pacific Daylight Time

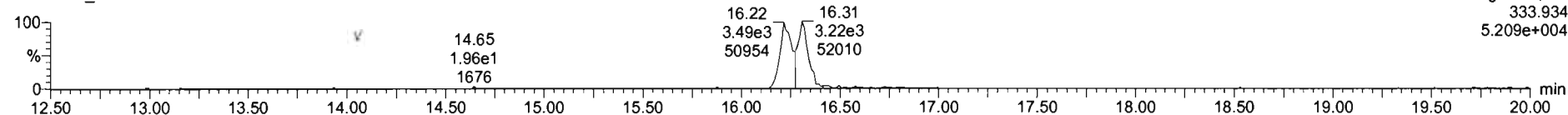
Name: 200611D1_11, Date: 11-Jun-2020, Time: 16:31:59, ID: B0E0150-DUP1RE1 Duplicate, Description: Duplicate

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

200611D1_11

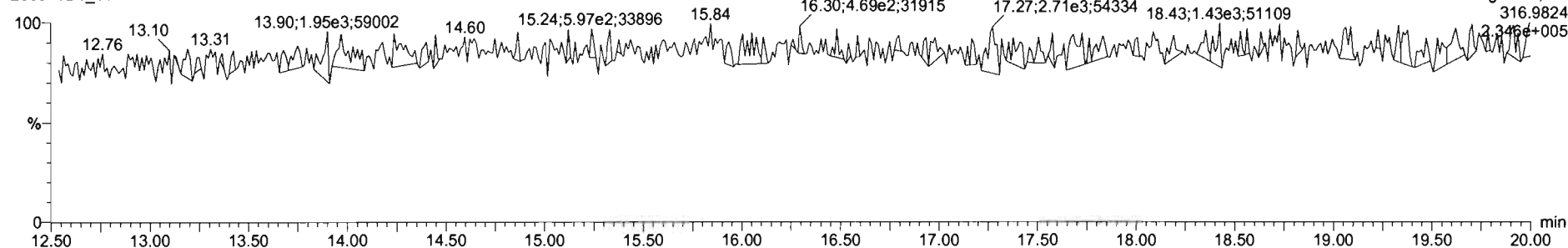


200611D1_11



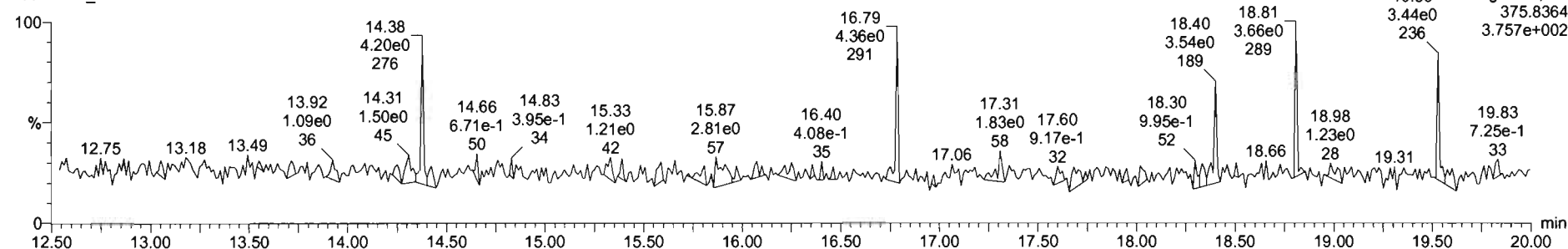
PFK1

200611D1_11



DPE1

200611D1_11



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_20.qld

Last Altered: Friday, June 12, 2020 09:40:52 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:34:50 Pacific Daylight Time

DB 6/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

M 6/23/20

Name: 200611D1_20, Date: 11-Jun-2020, Time: 21:17:20, ID: 2001037-13RE1 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	8.16e3	0.83	NO	0.982	10.036 ✓	17.724	17.72	1.000	1.001	165.24		4.13	165
2	2 13C-2,3,7,8-TCDF	1.00e4	0.76	NO	1.08	10.036	17.747	17.70	1.133	1.136	186.83	93.8	7.50	
3	3 13C-1,2,3,4-TCDF	9.87e3	0.83	NO	1.00	10.036	15.660	15.59	1.000	1.000	199.28 ✓	100	8.12	

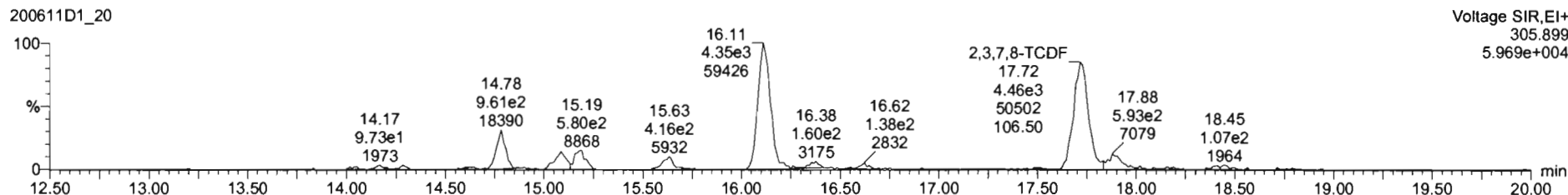
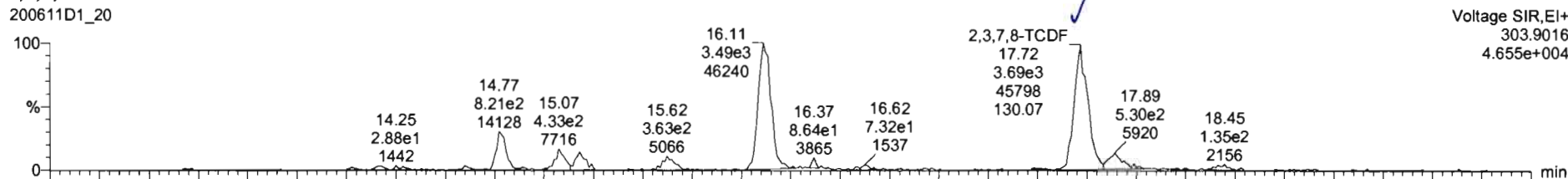
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_20.qld

Last Altered: Friday, June 12, 2020 09:40:52 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:35:08 Pacific Daylight Time

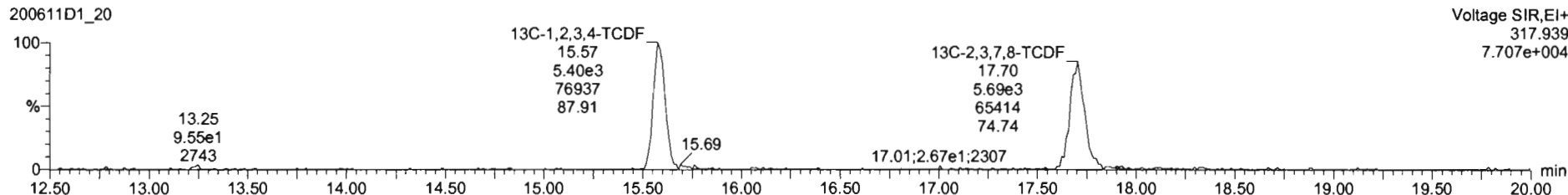
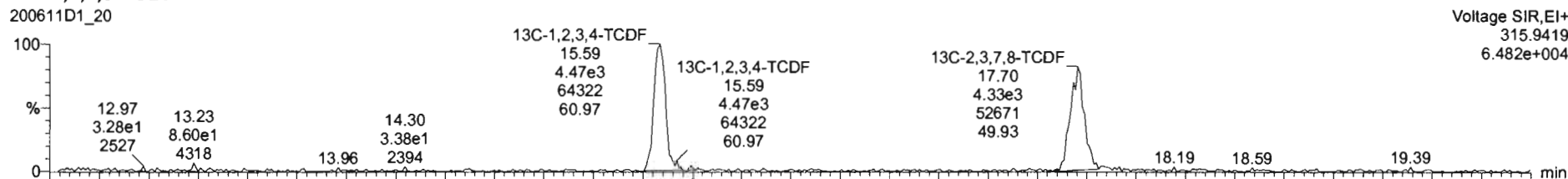
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_20, Date: 11-Jun-2020, Time: 21:17:20, ID: 2001037-13RE1 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

2,3,7,8-TCDF



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



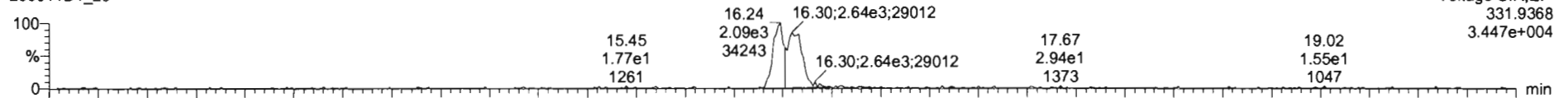
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_20.qld

Last Altered: Friday, June 12, 2020 09:40:52 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:35:08 Pacific Daylight Time

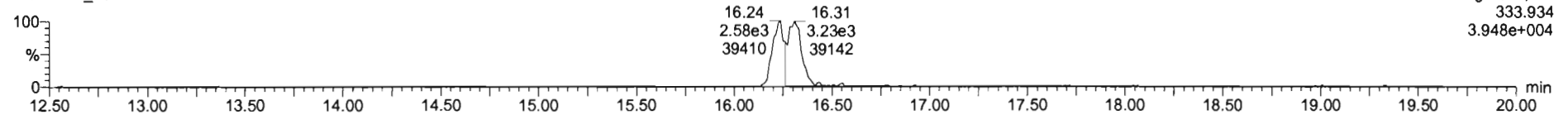
Name: 200611D1_20, Date: 11-Jun-2020, Time: 21:17:20, ID: 2001037-13RE1 PDI-1098SC-B-05-07-200507 15.94, Description: PDI-1098SC-B-05-07-200507

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

200611D1_20

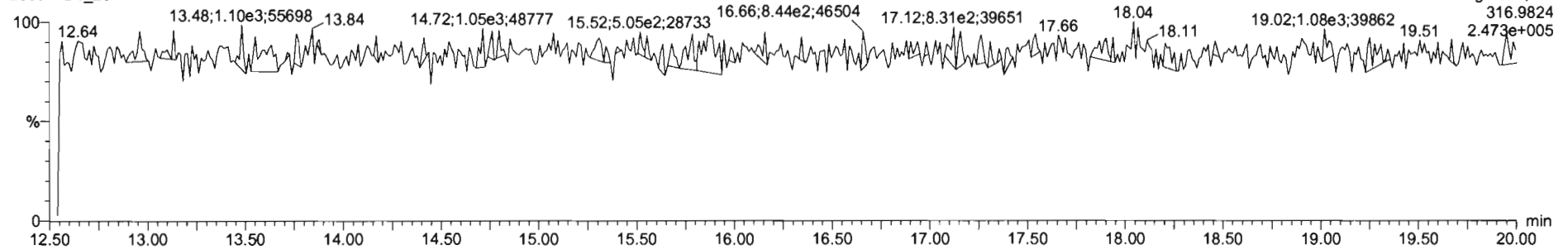


200611D1_20



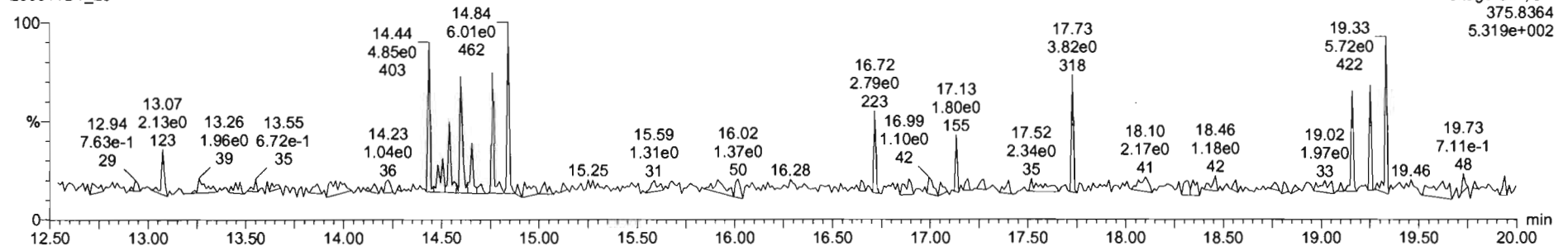
PFK1

200611D1_20



DPE1

200611D1_20



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_21.qld

Last Altered: Friday, June 12, 2020 10:38:03 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:38:23 Pacific Daylight Time

DB 6/12/20

ju 6/23/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_21, Date: 11-Jun-2020, Time: 21:49:02, ID: 2001037-14RE1 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	7.42e2	0.82	NO	0.982	10.052 ✓	17.724	17.72	1.000	1.001	15.900		2.26	15.9
2	2 13C-2,3,7,8-TCDF	9.46e3	0.77	NO	1.08	10.052	17.747	17.70	1.133	1.136	174.92 ✓	87.9	5.92	
3	3 13C-1,2,3,4-TCDF	9.94e3	0.83	NO	1.00	10.052	15.660	15.59	1.000	1.000	198.97 ✓	100	6.41	

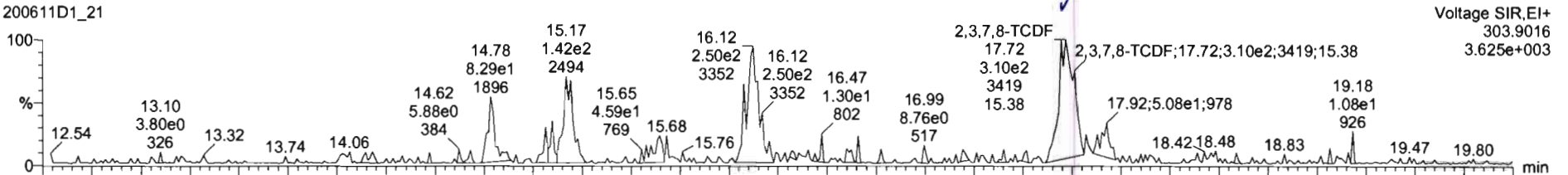
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_21.qld

Last Altered: Friday, June 12, 2020 09:41:50 Pacific Daylight Time
Printed: Friday, June 12, 2020 10:36:37 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

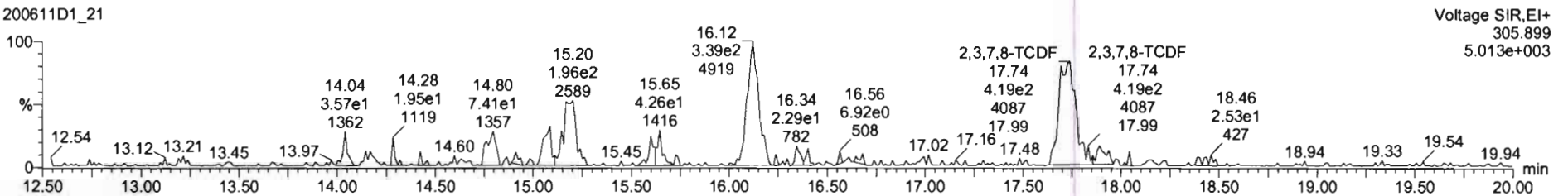
Name: 200611D1_21, Date: 11-Jun-2020, Time: 21:49:02, ID: 2001037-14RE1 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

2,3,7,8-TCDF
200611D1_21



Voltage SIR,EI+
303.9016
3.625e+003

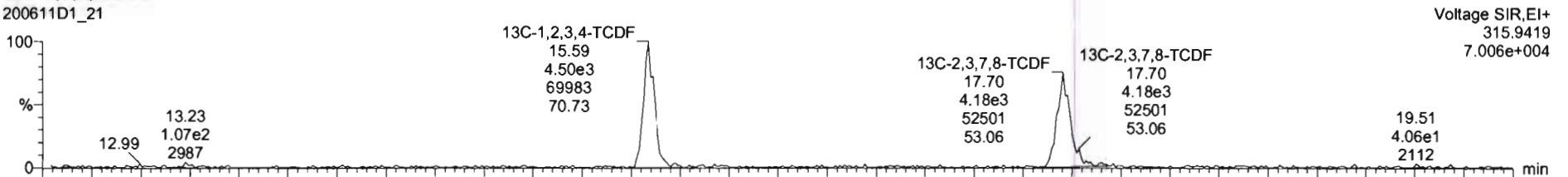
200611D1_21



Voltage SIR,EI+
305.899
5.013e+003

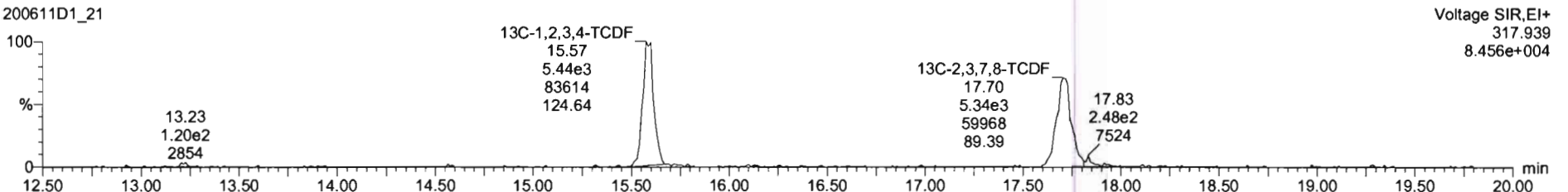
13C-2,3,7,8-TCDF

200611D1_21

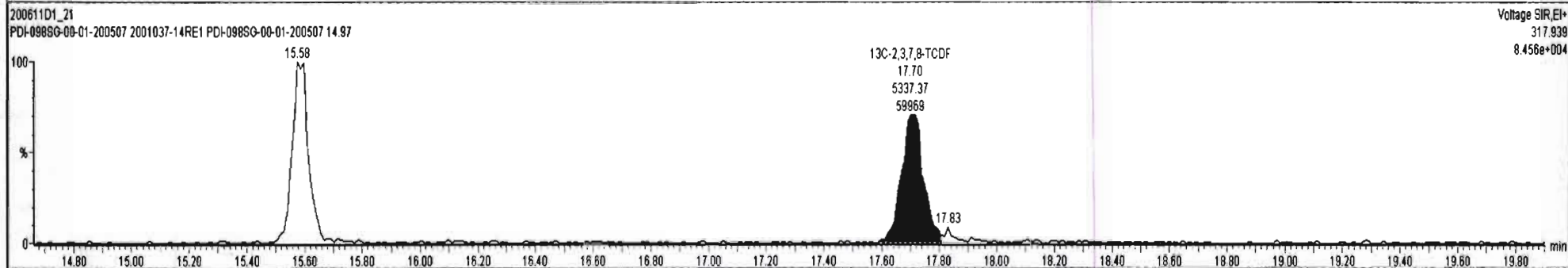
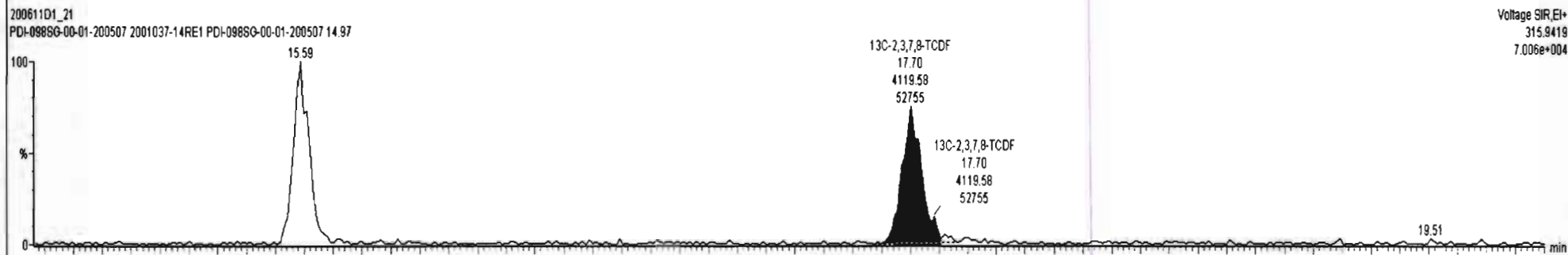
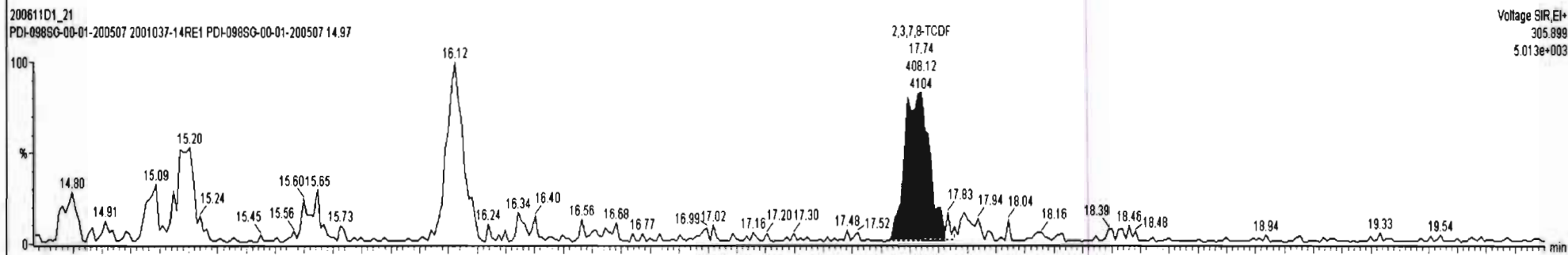
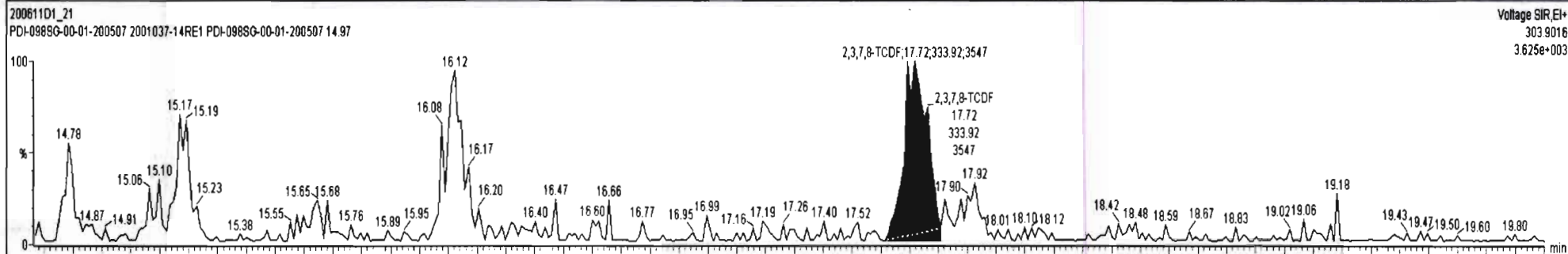


Voltage SIR,EI+
315.9419
7.006e+004

200611D1_21



Voltage SIR,EI+
317.939
8.456e+004



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_21.qld

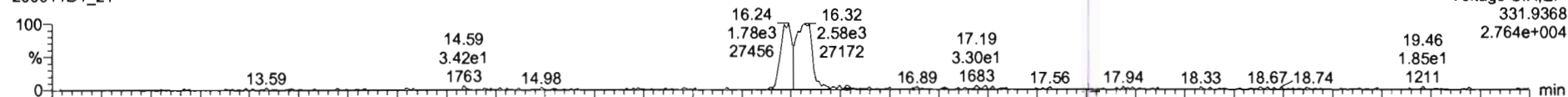
Last Altered: Friday, June 12, 2020 09:41:50 Pacific Daylight Time

Printed: Friday, June 12, 2020 10:36:37 Pacific Daylight Time

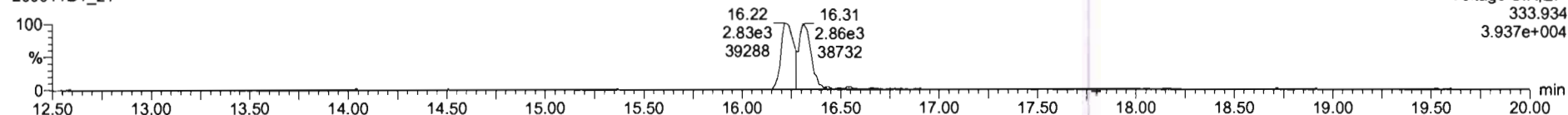
Name: 200611D1_21, Date: 11-Jun-2020, Time: 21:49:02, ID: 2001037-14RE1 PDI-098SG-00-01-200507 14.97, Description: PDI-098SG-00-01-200507

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

200611D1_21

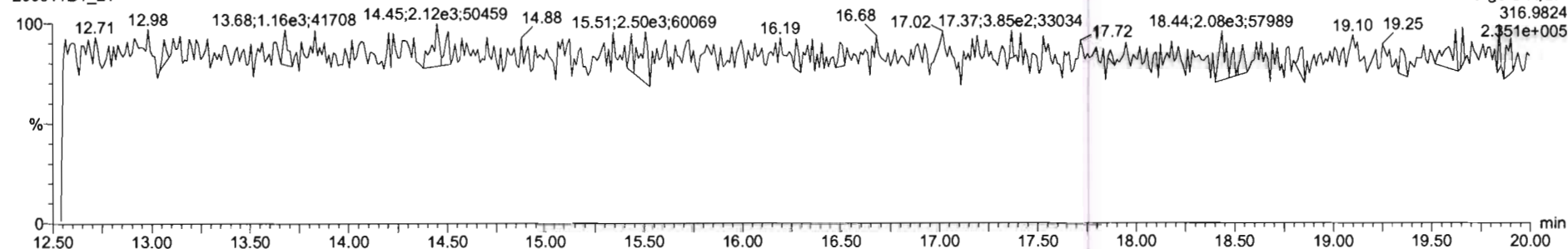


200611D1_21



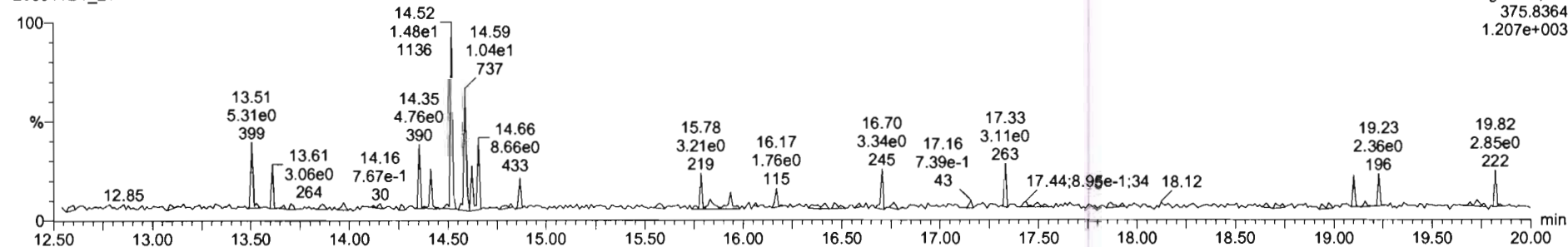
PFK1

200611D1_21



DPE1

200611D1_21



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200608R1-1

Reviewed By: C7 06/09/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1614 1699 429 1613/1668/8280		
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox"/> NA	
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
(ST-Year-Month-Day-VG ID)			- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input type="checkbox"/> NA	
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:	<div style="height: 150px;"></div>	
Correct ICAL referenced?	<input type="checkbox"/> GEB	<input type="checkbox"/>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> V			
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> V	<input type="checkbox"/> N			
- Bottle position verified?	<input type="checkbox"/> GEB	<input type="checkbox"/>			

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-1.qld

Last Altered: Monday, June 08, 2020 12:32:14 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:32:39 Pacific Daylight Time

GLB 06/08/2020

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

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

C7 06/09/2020

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred. RT	RT	PKT-Flag	Pred. RT	RT	Conc	Conc	NO
1	2,3,7,8-TCDD	6.16e4	7.12e5	0.75	NO	0.888	26.47	26.47	NO	1.001	1.001	9.7406	97.4	NO
2	1,2,3,7,8-PeCDD	2.20e5	4.96e5	0.61	NO	0.908	31.44	31.44	NO	1.001	1.000	48.853	97.7	NO
3	1,2,3,4,7,8-HxCDD	1.87e5	3.51e5	1.23	NO	1.03	34.81	34.81	NO	1.000	1.000	51.535	103	NO
4	1,2,3,6,7,8-HxCDD	2.03e5	4.59e5	1.19	NO	0.892	34.90	34.91	NO	1.000	1.000	49.661	99.3	NO
5	1,2,3,7,8,9-HxCDD	1.82e5	4.11e5	1.21	NO	0.887	35.20	35.20	NO	1.000	1.000	50.053	100	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.05e5	1.02	NO	0.864	38.72	38.72	NO	1.000	1.000	50.827	102	NO
7	OCDD	3.02e5	6.48e5	0.87	NO	0.914	41.70	41.70	NO	1.000	1.000	101.85	102	NO
8	2,3,7,8-TCDF	7.24e4	9.78e5	0.72	NO	0.751	25.57	25.56	NO	1.001	1.001	9.8688	98.7	NO
9	1,2,3,7,8-PeCDF	3.57e5	7.86e5	1.54	NO	0.893	30.16	30.15	NO	1.001	1.001	50.881	102	NO
10	2,3,4,7,8-PeCDF	3.59e5	7.74e5	1.56	NO	0.935	31.15	31.13	NO	1.001	1.000	49.670	99.3	NO
11	1,2,3,4,7,8-HxCDF	2.27e5	4.97e5	1.23	NO	0.884	33.92	33.93	NO	1.000	1.000	51.714	103	NO
12	1,2,3,6,7,8-HxCDF	2.65e5	5.89e5	1.20	NO	0.889	34.05	34.06	NO	1.000	1.001	50.657	101	NO
13	2,3,4,6,7,8-HxCDF	2.46e5	5.09e5	1.20	NO	0.934	34.67	34.64	NO	1.001	1.000	51.753	104	NO
14	1,2,3,7,8,9-HxCDF	1.89e5	4.14e5	1.23	NO	0.871	35.54	35.56	NO	1.000	1.001	52.271	105	NO
15	1,2,3,4,6,7,8-HpCDF	1.81e5	3.97e5	1.04	NO	0.873	37.34	37.32	NO	1.001	1.000	52.143	104	NO
16	1,2,3,4,7,8,9-HpCDF	1.40e5	2.58e5	1.02	NO	1.01	39.27	39.27	NO	1.000	1.000	53.600	107	NO
17	OCDF	2.93e5	7.28e5	0.87	NO	0.806	41.89	41.90	NO	1.000	1.000	99.654	99.7	NO
18	13C-2,3,7,8-TCDD	7.12e5	5.98e5	0.79	NO	1.16	26.46	26.44	NO	1.026	1.026	103.07	103	NO
19	13C-1,2,3,7,8-PeCDD	4.96e5	5.98e5	0.63	NO	0.849	31.64	31.42	NO	1.227	1.219	97.797	97.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.51e5	5.06e5	1.27	NO	0.779	34.81	34.80	NO	1.014	1.014	89.015	89.0	NO
21	13C-1,2,3,6,7,8-HxCDD	4.59e5	5.06e5	1.27	NO	1.02	34.92	34.90	NO	1.017	1.017	89.281	89.3	NO
22	13C-1,2,3,7,8,9-HxCDD	4.11e5	5.06e5	1.21	NO	0.903	35.19	35.19	NO	1.025	1.025	89.950	90.0	NO
23	13C-1,2,3,4,6,7,8-HpCDD	3.05e5	5.06e5	0.98	NO	0.689	38.72	38.71	NO	1.128	1.128	87.604	87.6	NO
24	13C-OCDD	6.48e5	5.06e5	0.90	NO	0.652	41.74	41.70	NO	1.216	1.215	196.57	98.3	NO
25	13C-2,3,7,8-TCDF	9.78e5	9.35e5	0.80	NO	1.06	25.50	25.54	NO	0.989	0.991	98.769	98.8	NO
26	13C-1,2,3,7,8-PeCDF	7.86e5	9.35e5	1.59	NO	0.838	30.02	30.14	NO	1.165	1.169	100.30	100	NO
27	13C-2,3,4,7,8-PeCDF	7.74e5	9.35e5	1.59	NO	0.817	30.97	31.11	NO	1.202	1.207	101.39	101	NO
28	13C-1,2,3,4,7,8-HxCDF	4.97e5	5.06e5	0.51	NO	1.01	33.94	33.92	NO	0.989	0.988	97.597	97.6	NO
29	13C-1,2,3,6,7,8-HxCDF	5.89e5	5.06e5	0.52	NO	1.17	34.06	34.04	NO	0.992	0.992	99.844	99.8	NO
30	13C-2,3,4,6,7,8-HxCDF	5.09e5	5.06e5	0.50	NO	1.02	34.64	34.63	NO	1.009	1.009	98.538	98.5	NO
31	13C-1,2,3,7,8,9-HxCDF	4.14e5	5.06e5	0.51	NO	0.860	35.54	35.54	NO	1.035	1.035	95.296	95.3	NO

Dataset: U:\VG12.PRO\Results\200608R1\200608R1-1.qld

Last Altered: Monday, June 08, 2020 12:32:14 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:32:39 Pacific Daylight Time

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

Name	Resp	IS Resp	RA	n/y	RR	PI	PI	NO	NO	NO	NO	NO	NO	NO
32 13C-1,2,3,4,6,7,8-HpCDF	3.97e5	5.06e5	0.44	NO	0.774	37.28	37.31	NO	1.086	1.087	101.37	101	NO	
33 13C-1,2,3,4,7,8,9-HpCDF	2.58e5	5.06e5	0.41	NO	0.521	39.31	39.27	NO	1.145	1.144	97.800	97.8	NO	
34 13C-OCDF	7.28e5	5.06e5	0.90	NO	0.746	41.91	41.89	NO	1.221	1.220	193.16	96.6	NO	
35 37Cl-2,3,7,8-TCDD	6.55e4	5.98e5			1.04	26.49	26.47	NO	1.028	1.027	10.567	106	NO	
36 13C-1,2,3,4-TCDD	5.98e5	5.98e5	0.79	NO	1.00	25.89	25.78	NO	1.000	1.000	100.00	100	NO	
37 13C-1,2,3,4-TCDF	9.35e5	9.35e5	0.79	NO	1.00	24.36	24.09	NO	1.000	1.000	100.00	100	NO	
38 13C-1,2,3,4,6,9-HxCDF	5.06e5	5.06e5	0.52	NO	1.00	34.42	34.33	NO	1.000	1.000	100.00	100	YES	OK

Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:19:17 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:19:31 Pacific Daylight Time

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

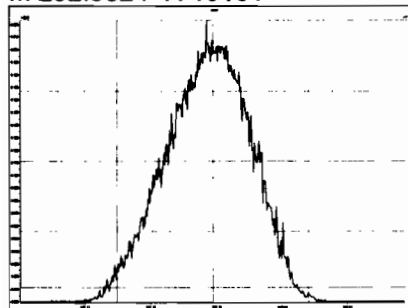
Compound name: 2,3,7,8-TCDD

Sample Name	ID	Acq. Date	Acq. Time
200608R1_1	ST200608R1_1 1613 CS3 19L2305	08-Jun-20	11:40:29
200608R1_2	B0E0150-BS1 OPR 10	08-Jun-20	12:28:37
200608R1_3	SOLVENT BLANK	08-Jun-20	13:16:21
200608R1_4	B0E0150-BLK1 Method Blank 10	08-Jun-20	14:02:35
200608R1_5	HRMS-200605-9 Sand Purity QC Lot A	08-Jun-20	14:49:42
200608R1_6	HRMS-200605-10 Sand Purity QC Lot B	08-Jun-20	15:35:55
200608R1_7	2001037-03 PDI-094SC-B-00-02-200507 17	08-Jun-20	16:22:09
200608R1_8	2001037-04 PDI-094SC-B-02-05-200507 15.8	08-Jun-20	17:08:21
200608R1_9	2001037-05 PDI-094SC-B-05-07-200507 14.45	08-Jun-20	17:54:32
200608R1_10	2001037-06 PDI-096SC-B-00-02-200507 16.66	08-Jun-20	18:40:45
200608R1_11	2001037-07 PDI-096SC-B-02-05-200507 15.98	08-Jun-20	19:26:57
200608R1_12	2001037-08 PDI-096SC-B-05-07-200507 15.69	08-Jun-20	20:13:08
200608R1_13	2001037-09 PDI-096SG-00-01-200507 15.68	08-Jun-20	20:59:21
200608R1_14	2001037-10 PDI-098SC-B-00-02-200507 16.59	08-Jun-20	21:45:31
200608R1_15	2001037-11 PDI-098SC-B-02-05-200507 16.57	08-Jun-20	22:31:43
200608R1_16	B0E0150-DUP1 Duplicate 16.67	08-Jun-20	23:17:55

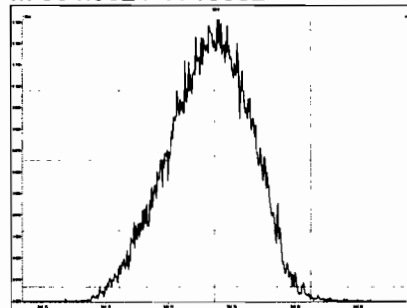
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, June 08, 2020 11:35:08 Pacific Daylight Time

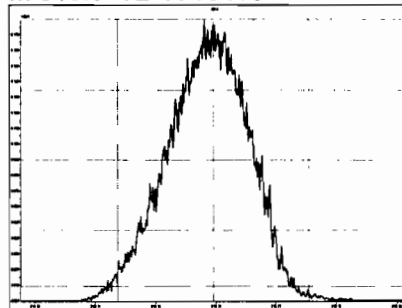
M 292.9824 R 10161



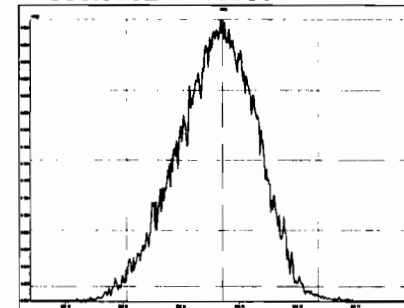
M 304.9824 R 10082



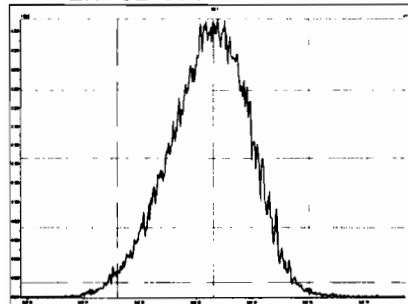
M 318.9792 R 10416



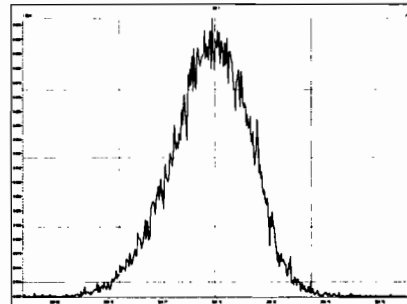
M 330.9792 R 10506



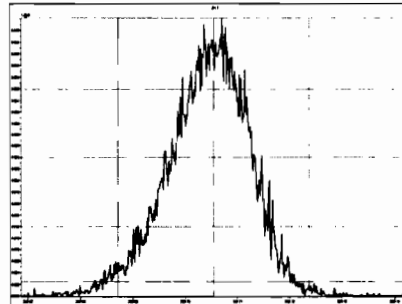
M 342.9792 R 10684



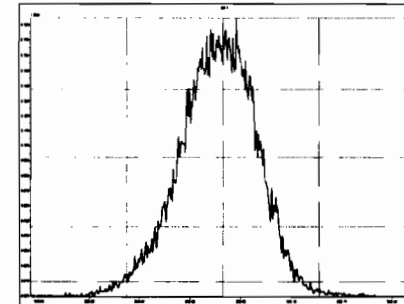
M 354.9792 R 10641



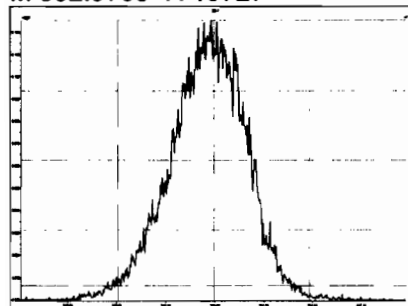
M 366.9792 R 10200



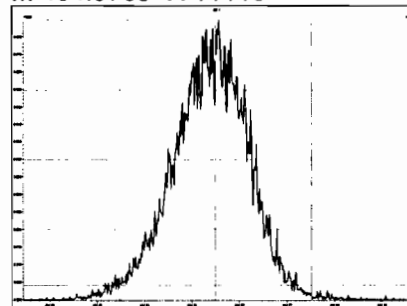
M 380.9760 R 10507



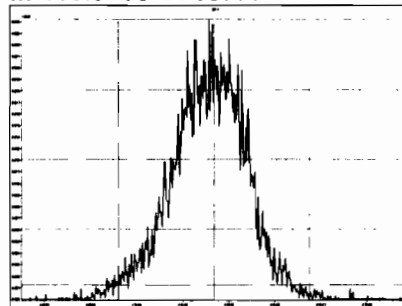
M 392.9760 R 10727



M 404.9760 R 11110



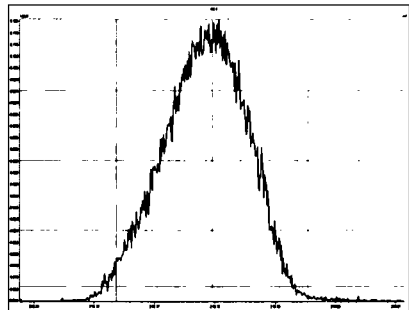
M 416.9760 R 10777



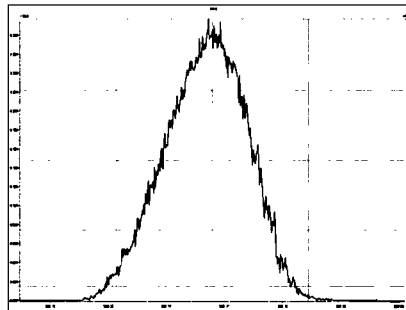
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, June 08, 2020 11:35:37 Pacific Daylight Time

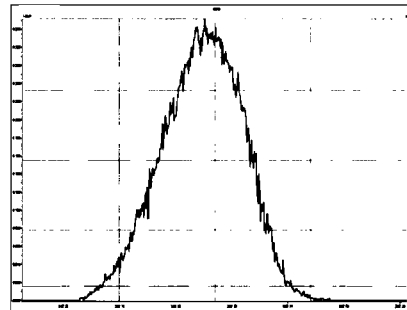
M 318.9792 R 10417



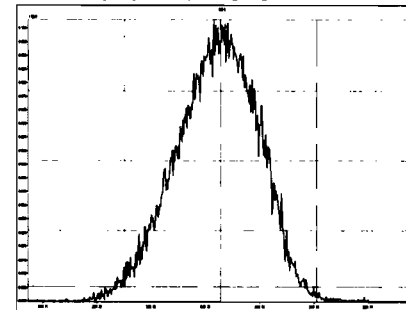
M 330.9792 R 10202



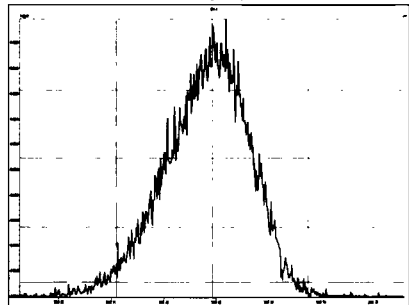
M 342.9792 R 10122



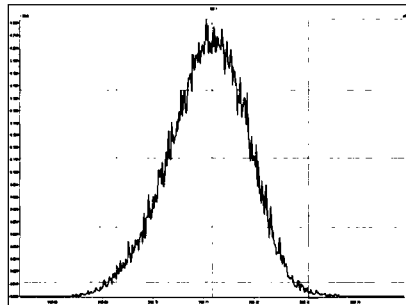
M 354.9792 R 10079



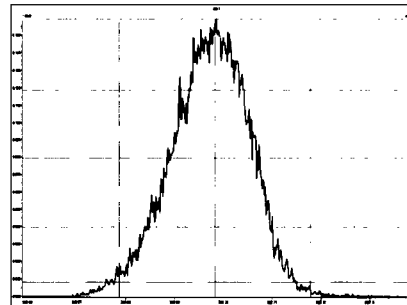
M 366.9792 R 10201



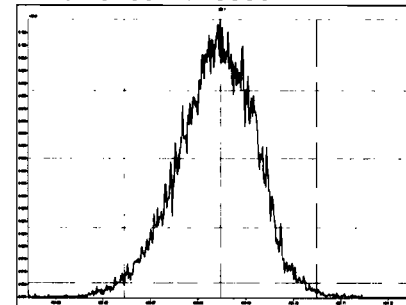
M 380.9760 R 10548



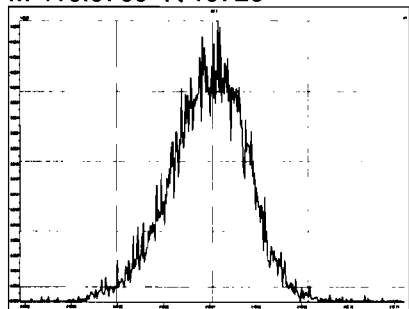
M 392.9760 R 10506



M 404.9760 R 10593



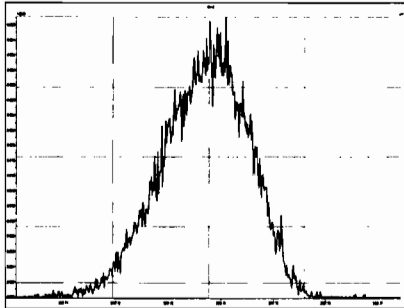
M 416.9760 R 10728



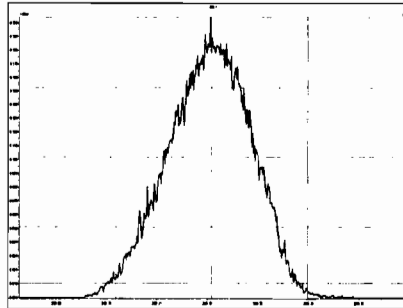
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, June 08, 2020 11:37:02 Pacific Daylight Time

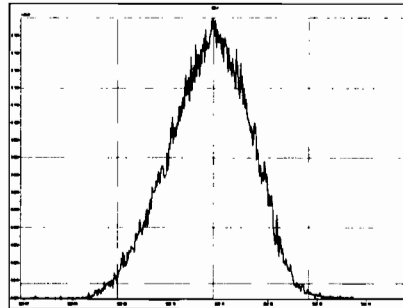
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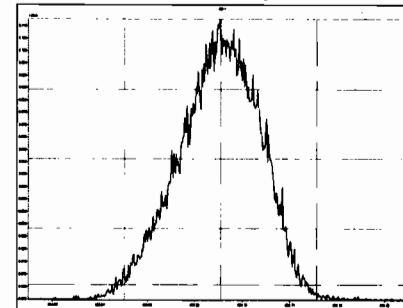
M 380.9760 R 10000



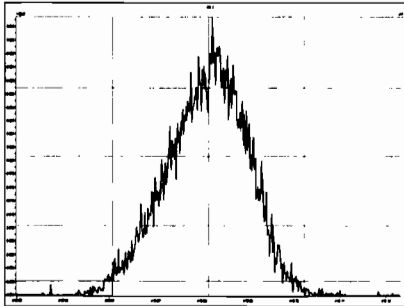
M 392.9760 R 10591



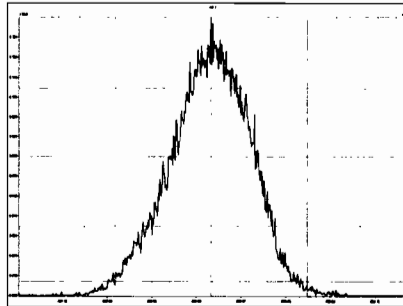
M 404.9760 R 10726



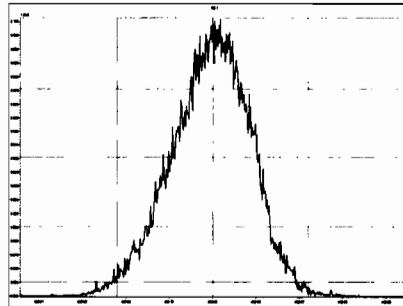
M 416.9760 R 10203



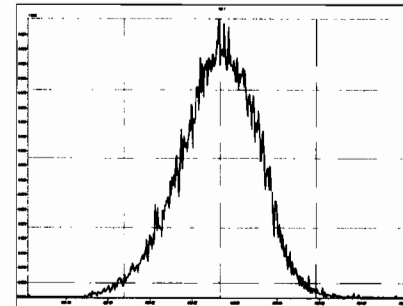
M 430.9728 R 10594



M 442.9728 R 10638



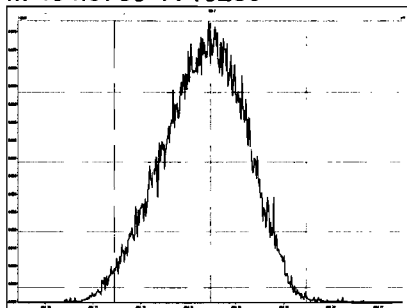
M 454.9728 R 10918



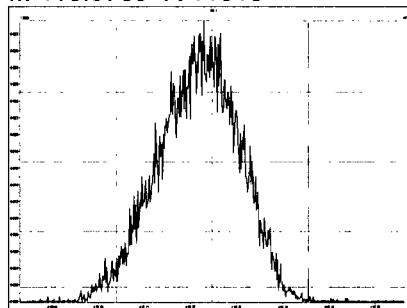
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, June 08, 2020 11:37:25 Pacific Daylight Time

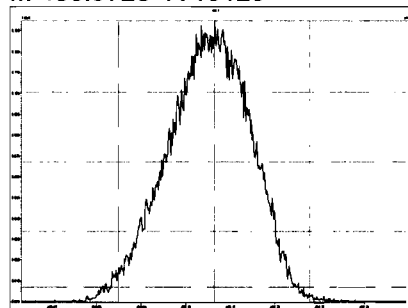
M 404.9760 R 10285



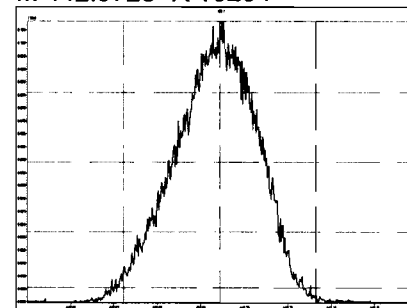
M 416.9760 R 11013



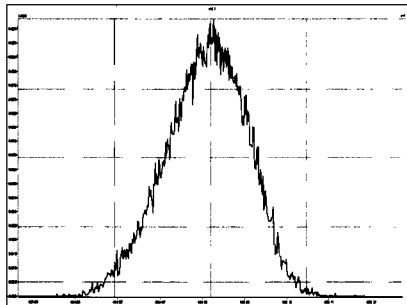
M 430.9728 R 10120



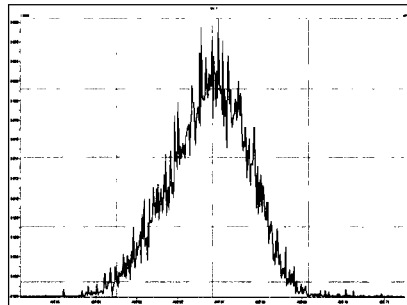
M 442.9728 R 10204



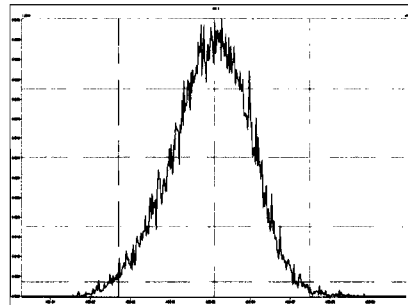
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M 466.9728 R 10914



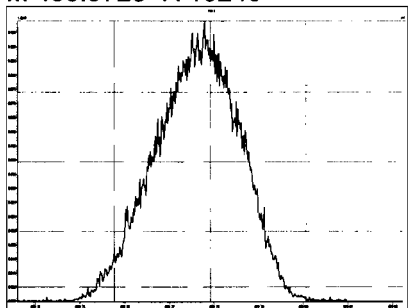
M 480.9696 R 10683



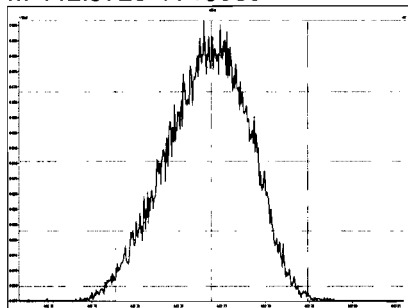
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, June 08, 2020 11:37:49 Pacific Daylight Time

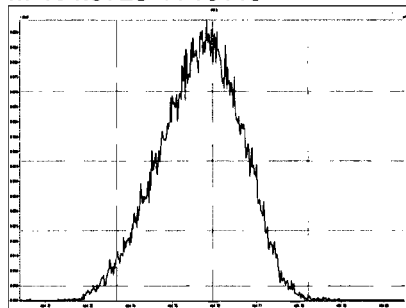
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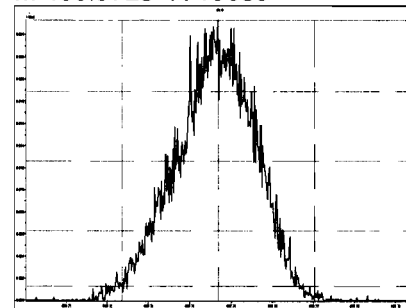
M 442.9728 R 10083



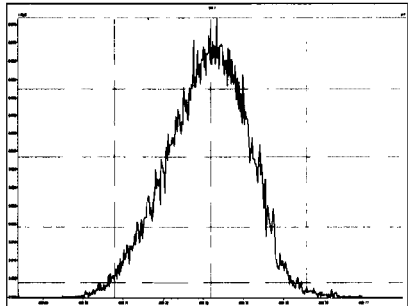
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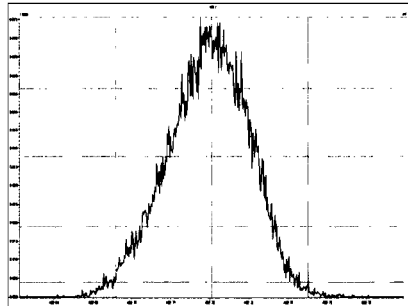
M 466.9728 R 10683



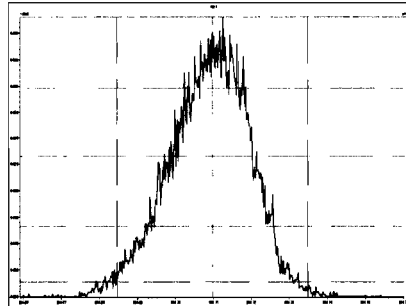
M 480.9696 R 10550



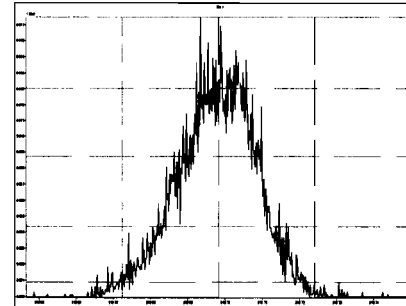
M 492.9696 R 10638



M 504.9696 R 10774



M 516.9697 R 11111



Dataset: Untitled

Last Altered: Monday, June 08, 2020 12:27:48 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:29:33 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

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

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	27.43
3	1,2,4,7,9-PeCDD (First)	29.21
4	1,2,3,8,9-PeCDD (Last)	31.82
5	1,2,4,6,7,9-HxCDD (First)	33.30
6	1,2,3,7,8,9-HxCDD (Last)	35.20
7	1,2,3,4,6,7,9-HpCDD (First)	37.71
8	1,2,3,4,6,7,8-HpCDD (Last)	38.72
9	1,3,6,8-TCDF (First)	20.29
10	1,2,8,9-TCDF (Last)	27.58
11	1,3,4,6,8-PeCDF (First)	27.53
12	1,2,3,8,9-PeCDF (Last)	32.08
13	1,2,3,4,6,8-HxCDF (First)	32.76
14	1,2,3,7,8,9-HxCDF (Last)	35.56
15	1,2,3,4,6,7,8-HpCDF (First)	37.32
16	1,2,3,4,7,8,9-HpCDF (Last)	39.27

Dataset: Untitled

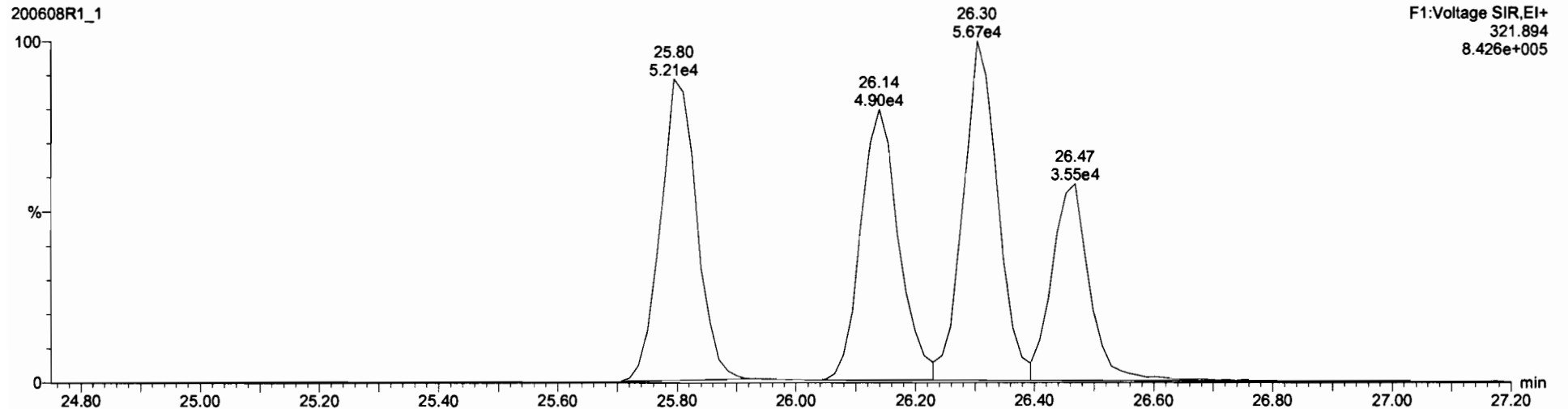
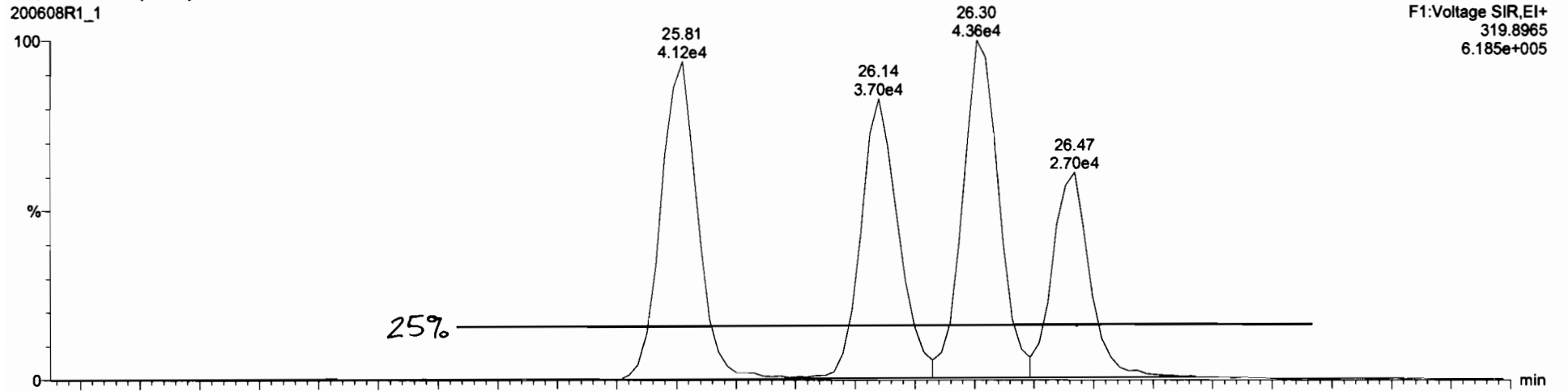
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GPB 06/08/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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



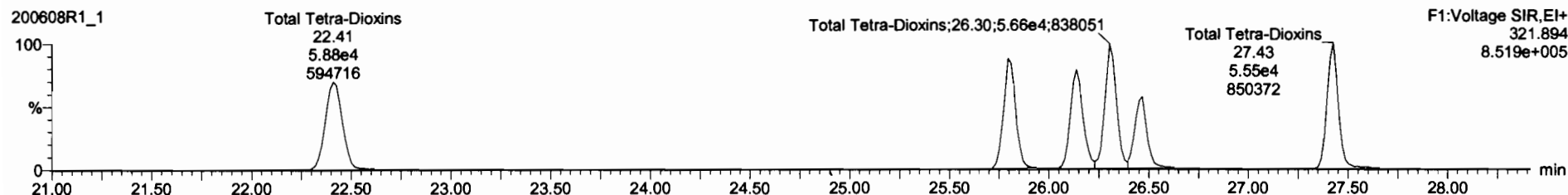
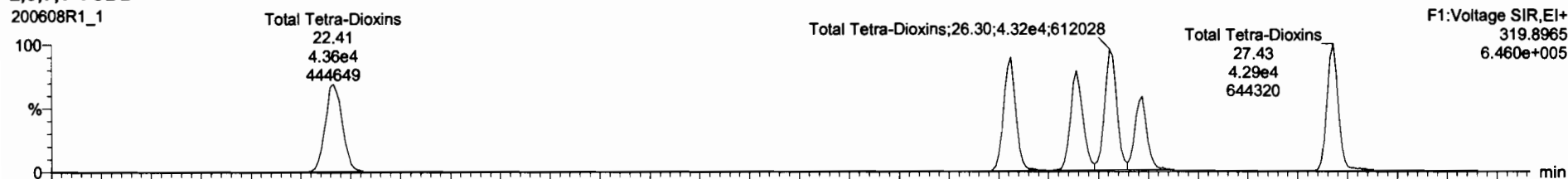
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Last Altered: Monday, June 08, 2020 12:30:35 Pacific Daylight Time
Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

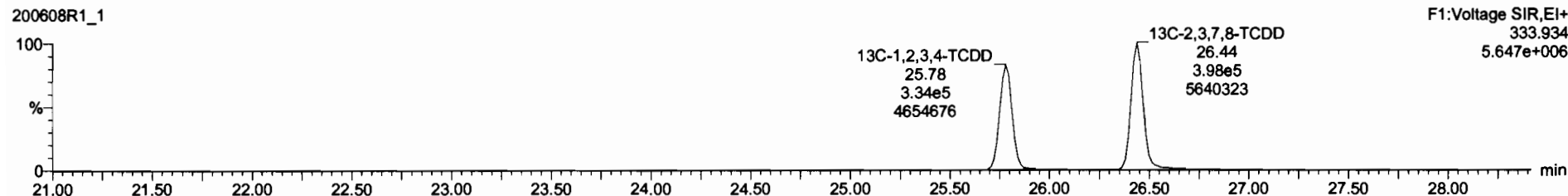
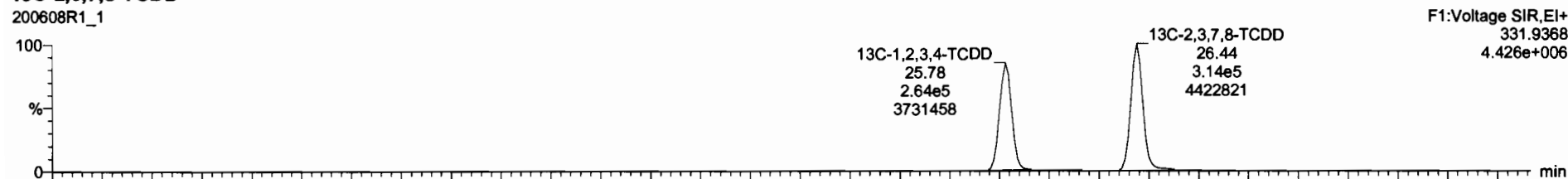
Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



Dataset: Untitled

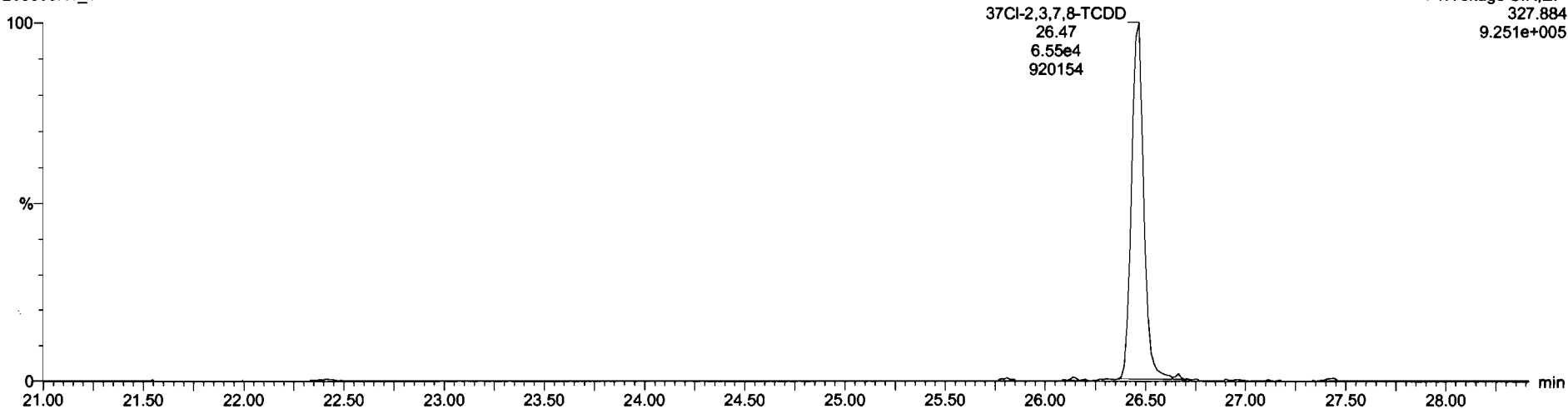
Last Altered: Monday, June 08, 2020 12:30:35 Pacific Daylight Time

Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

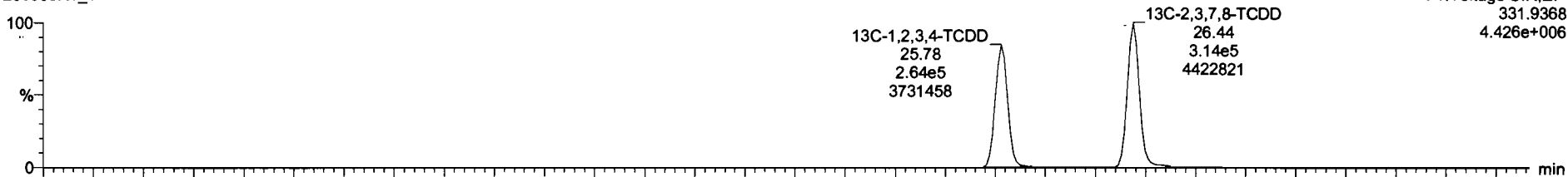
37Cl-2,3,7,8-TCDD

200608R1_1

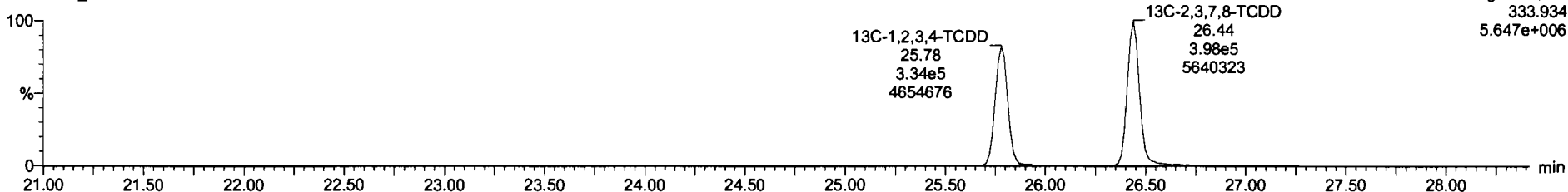


13C-1,2,3,4-TCDD

200608R1_1



200608R1_1



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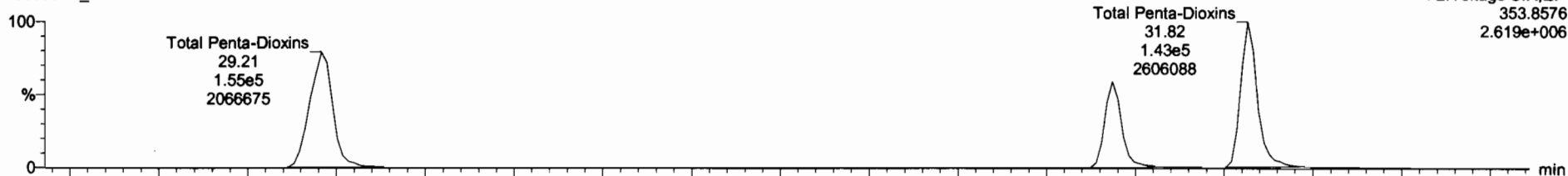
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Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

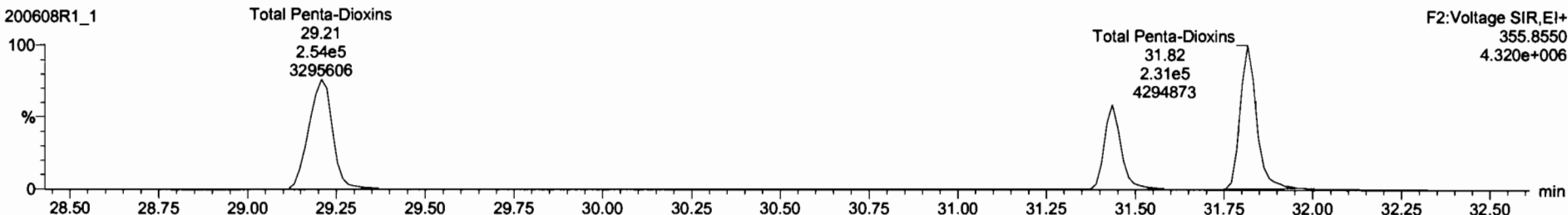
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1,2,3,7,8-PeCDD

200608R1_1

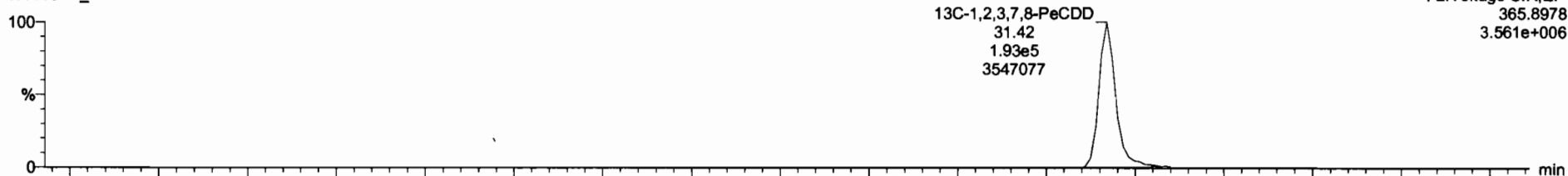


200608R1_1

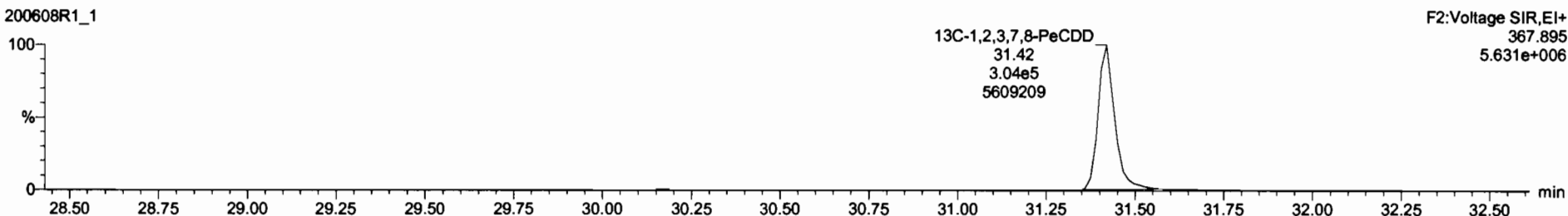


13C-1,2,3,7,8-PeCDD

200608R1_1



200608R1_1



Dataset: Untitled

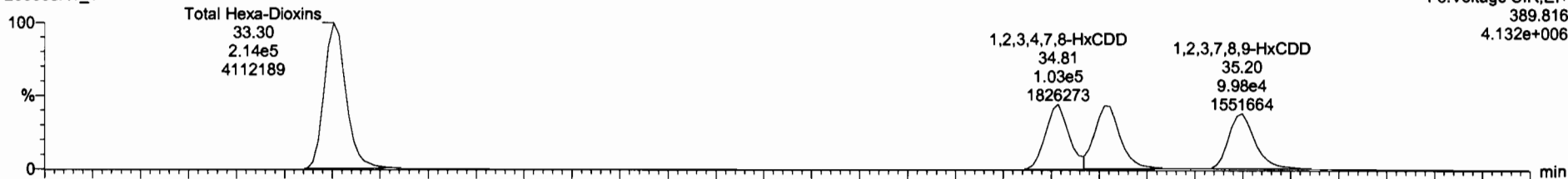
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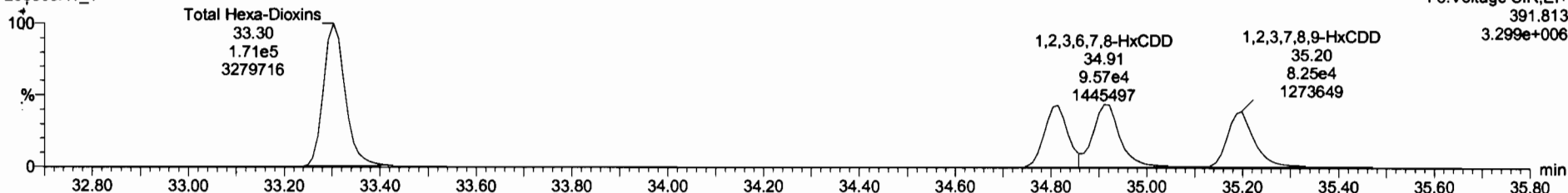
Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200608R1_1



200608R1_1

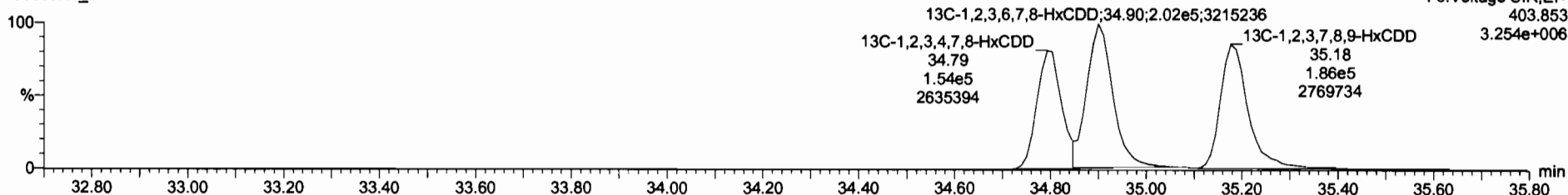


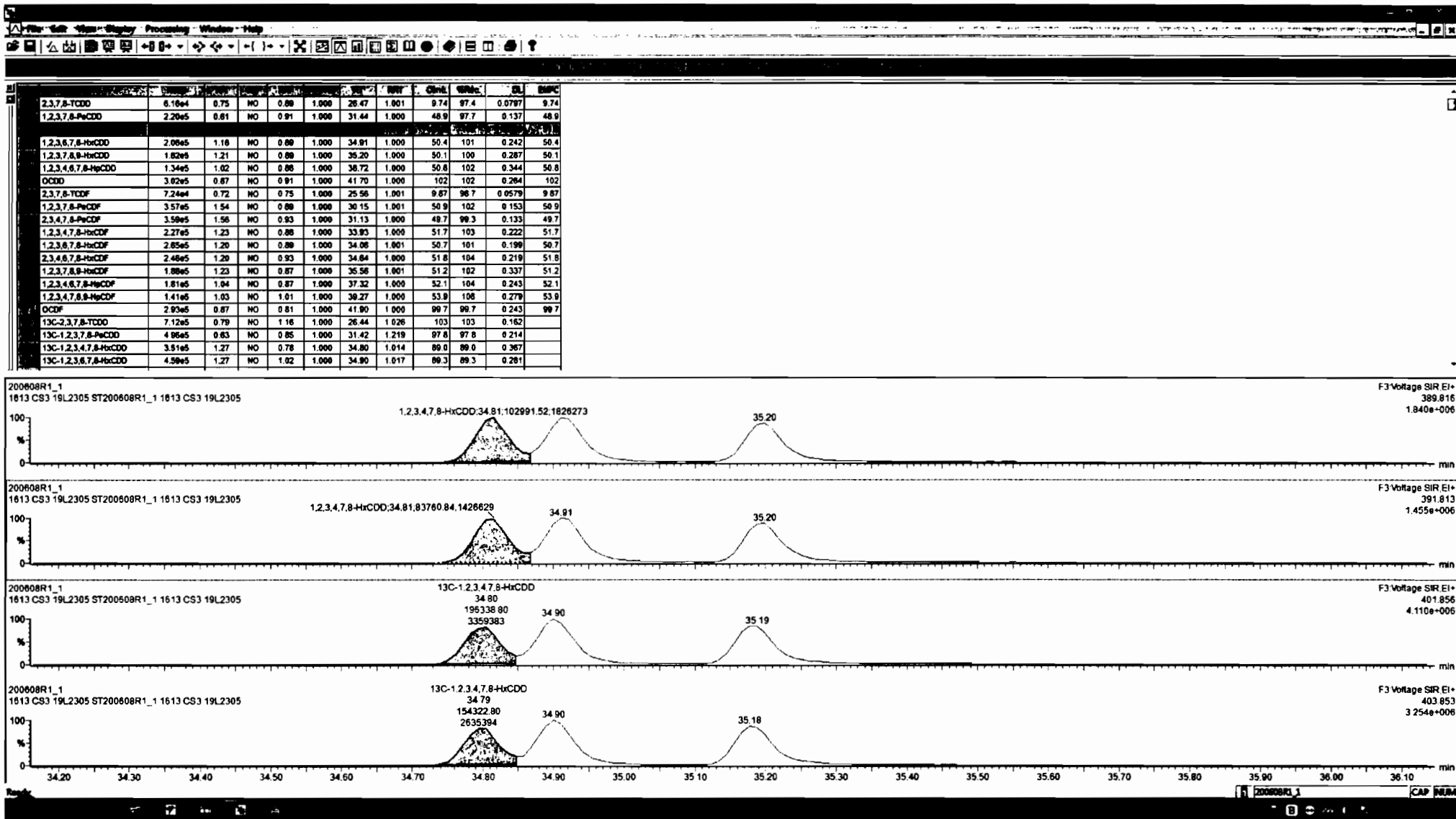
13C-1,2,3,4,7,8-HxCDD

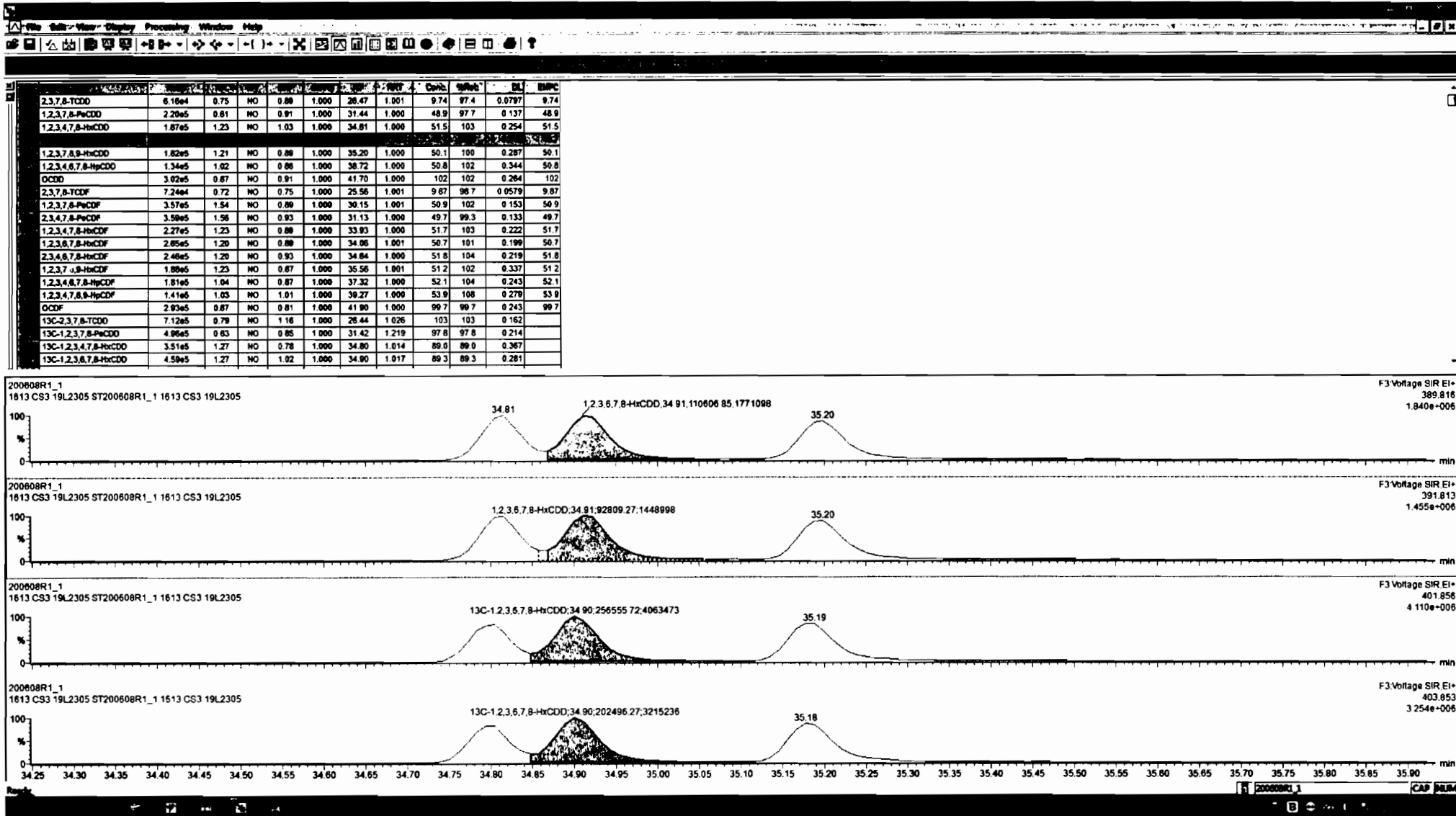
200608R1_1



200608R1_1







Dataset: Untitled

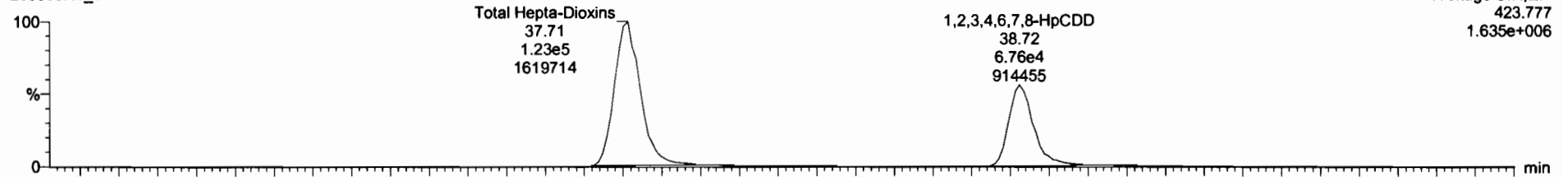
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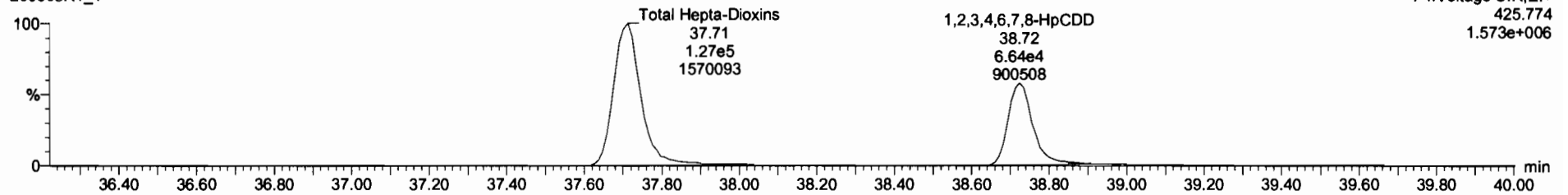
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1,2,3,4,6,7,8-HpCDD

200608R1_1

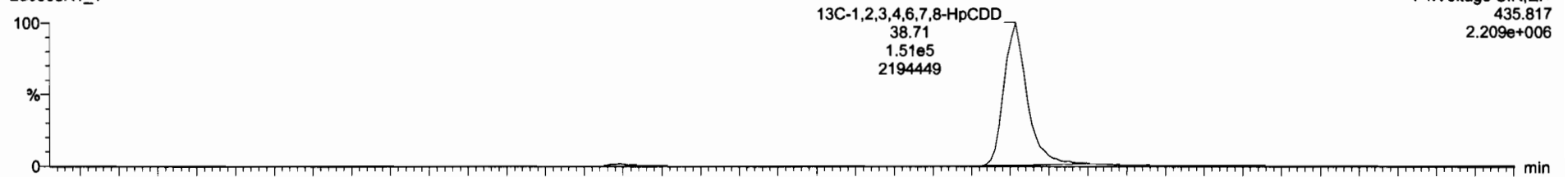


200608R1_1

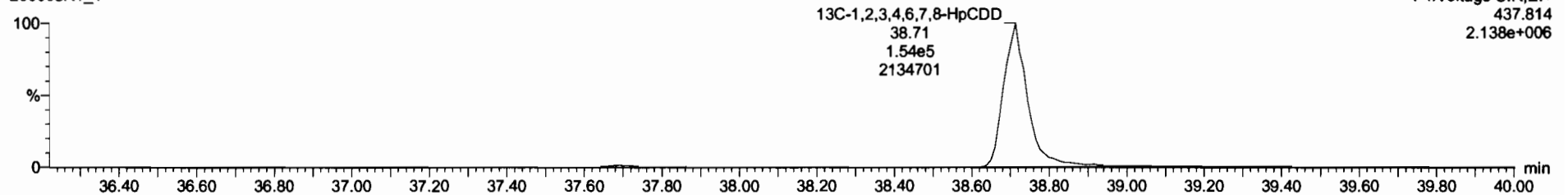


13C-1,2,3,4,6,7,8-HpCDD

200608R1_1



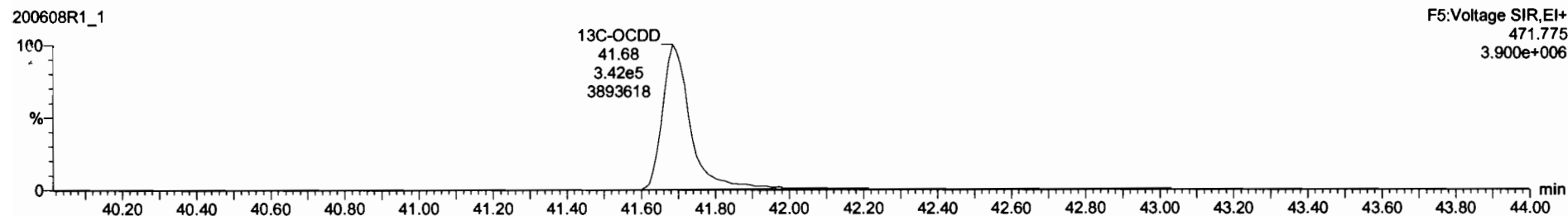
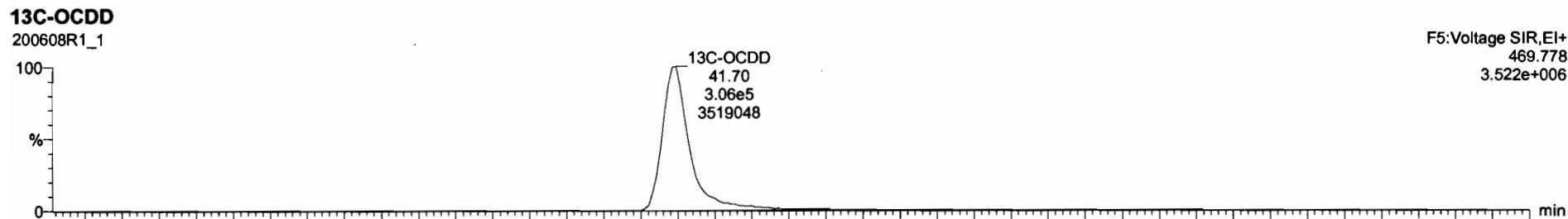
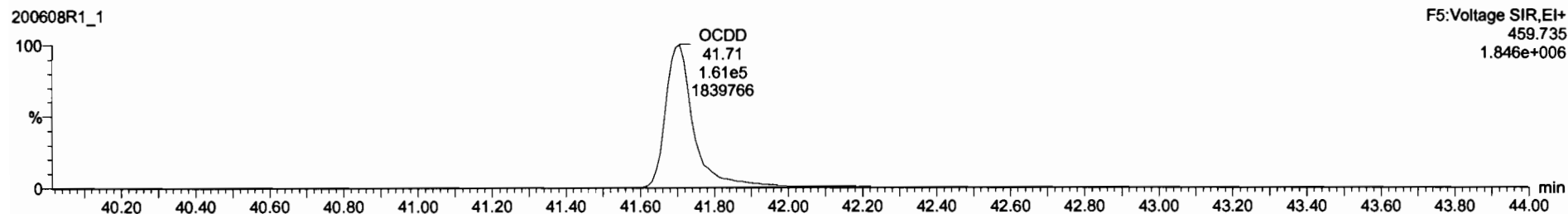
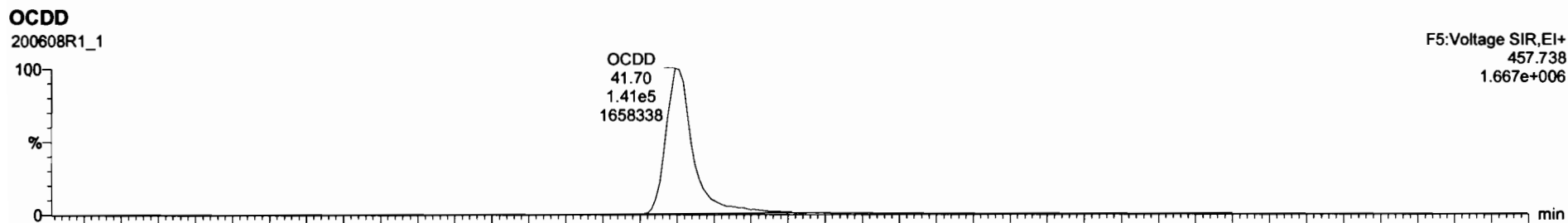
200608R1_1



Dataset: Untitled

Last Altered: Monday, June 08, 2020 12:30:35 Pacific Daylight Time
Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



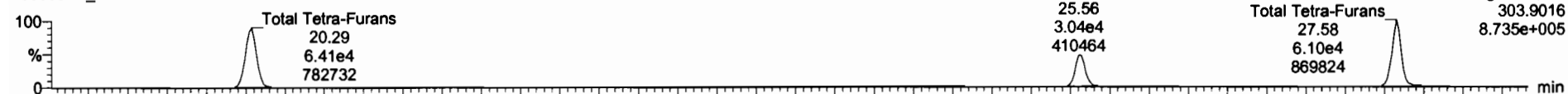
Dataset: Untitled

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Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

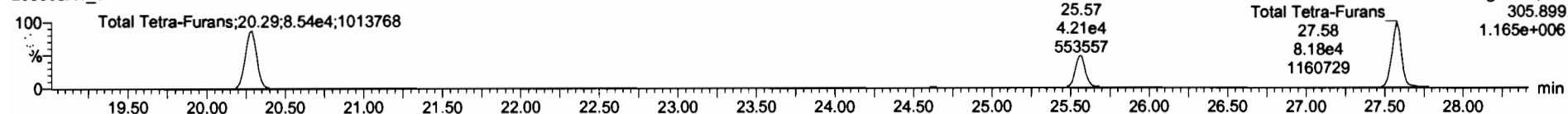
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2,3,7,8-TCDF

200608R1_1

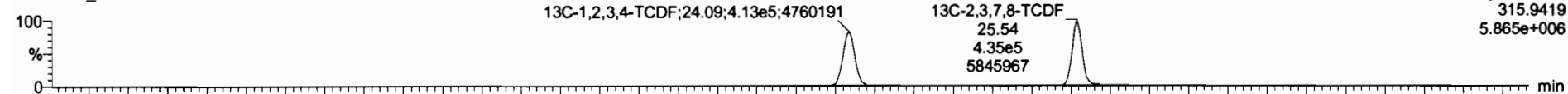


200608R1_1

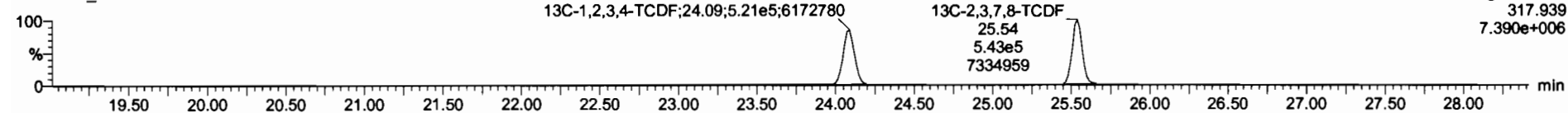


13C-2,3,7,8-TCDF

200608R1_1

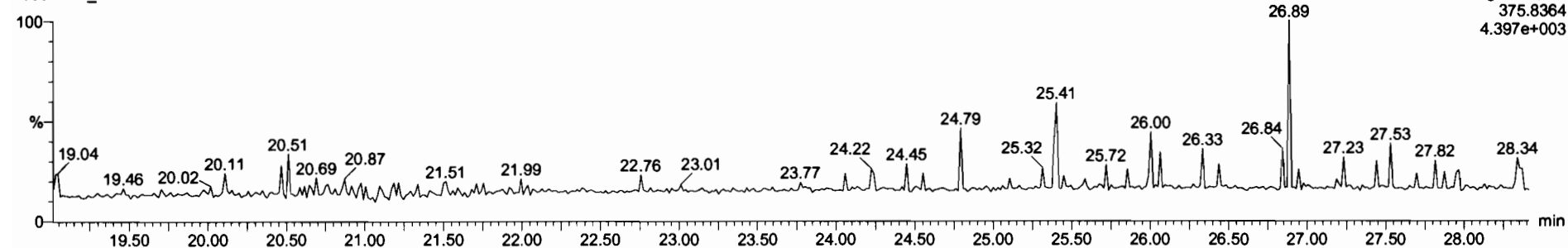


200608R1_1



DPE1

200608R1_1



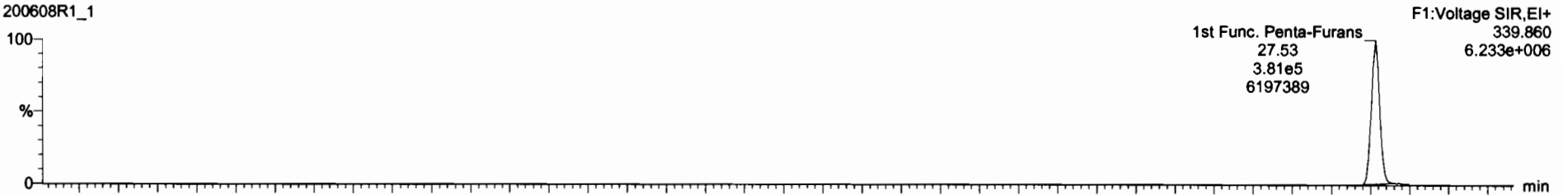
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Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

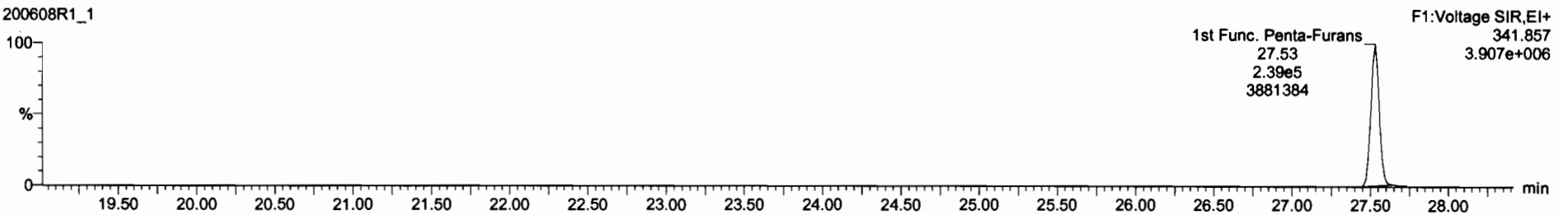
Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1st Func. Penta-Furans

200608R1_1

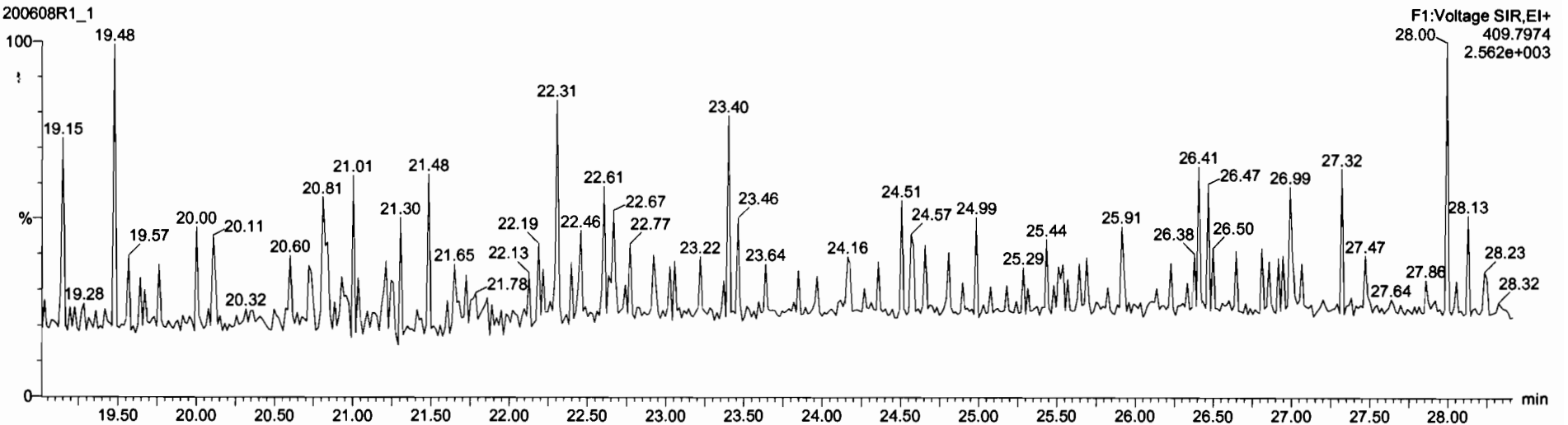


200608R1_1



DPE6

200608R1_1



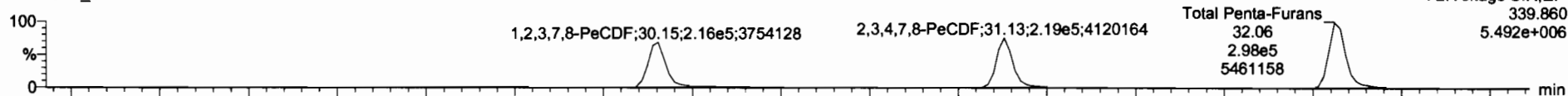
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Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

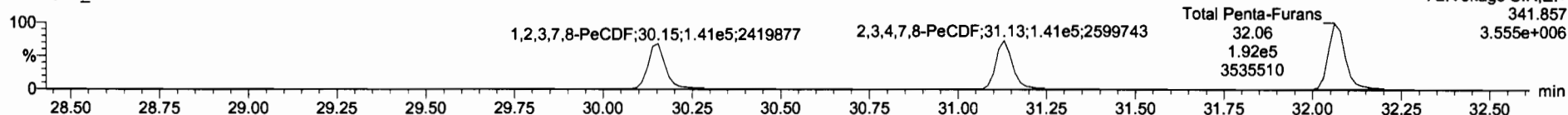
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1,2,3,7,8-PeCDF

200608R1_1

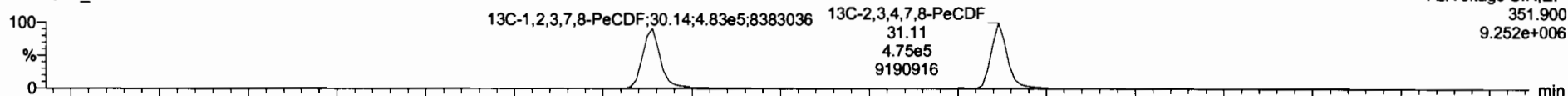


200608R1_1

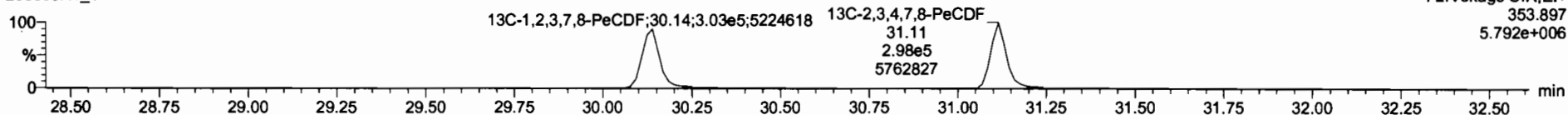


13C-1,2,3,7,8-PeCDF

200608R1_1

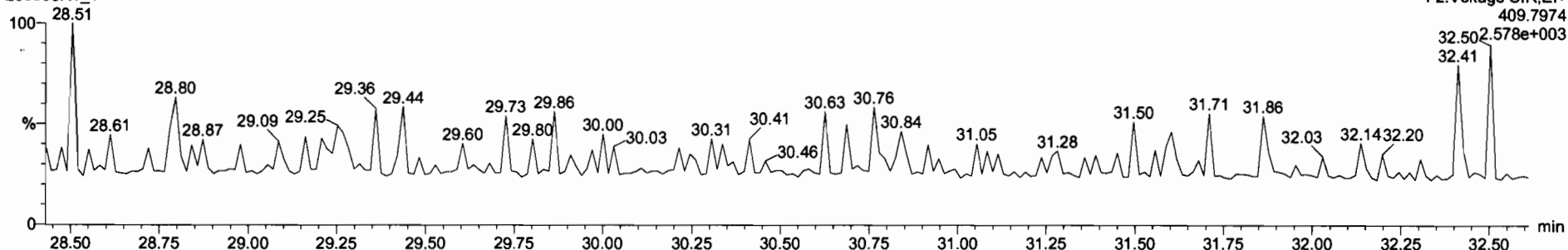


200608R1_1



DPE2

200608R1_1

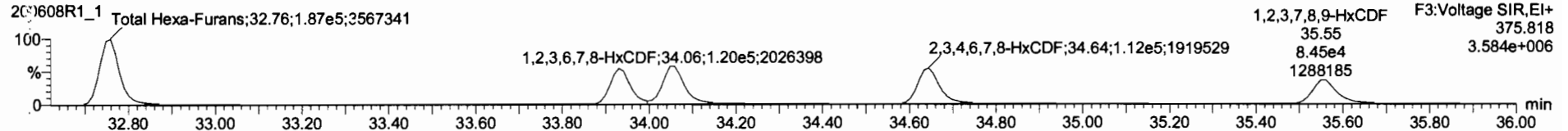
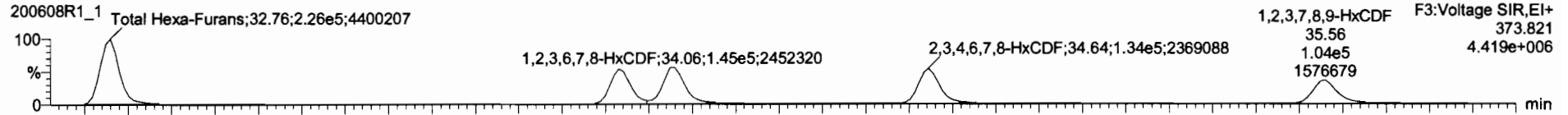


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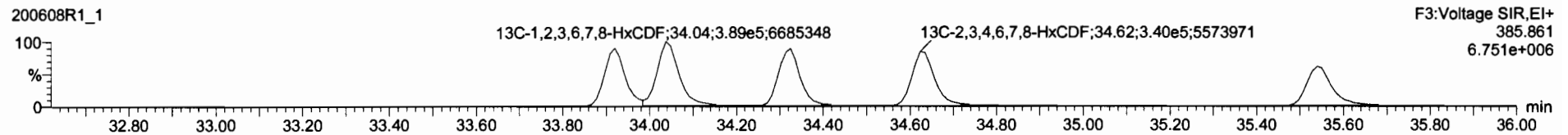
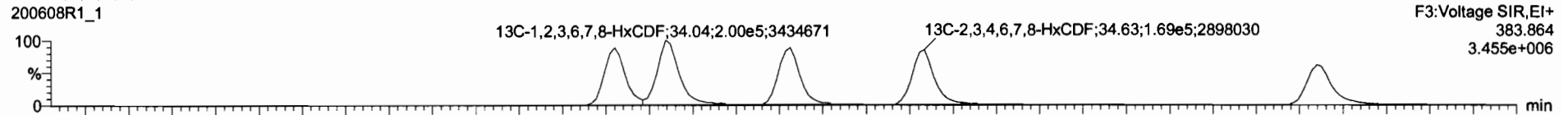
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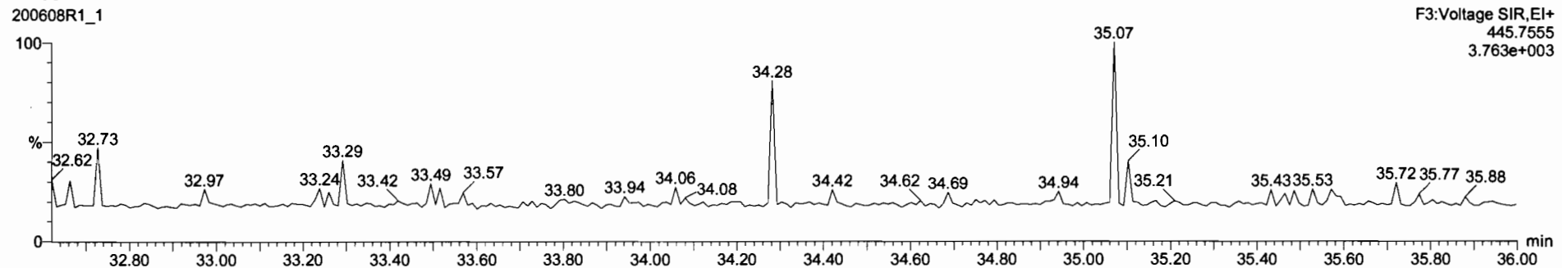
1,2,3,4,7,8-HxCDF

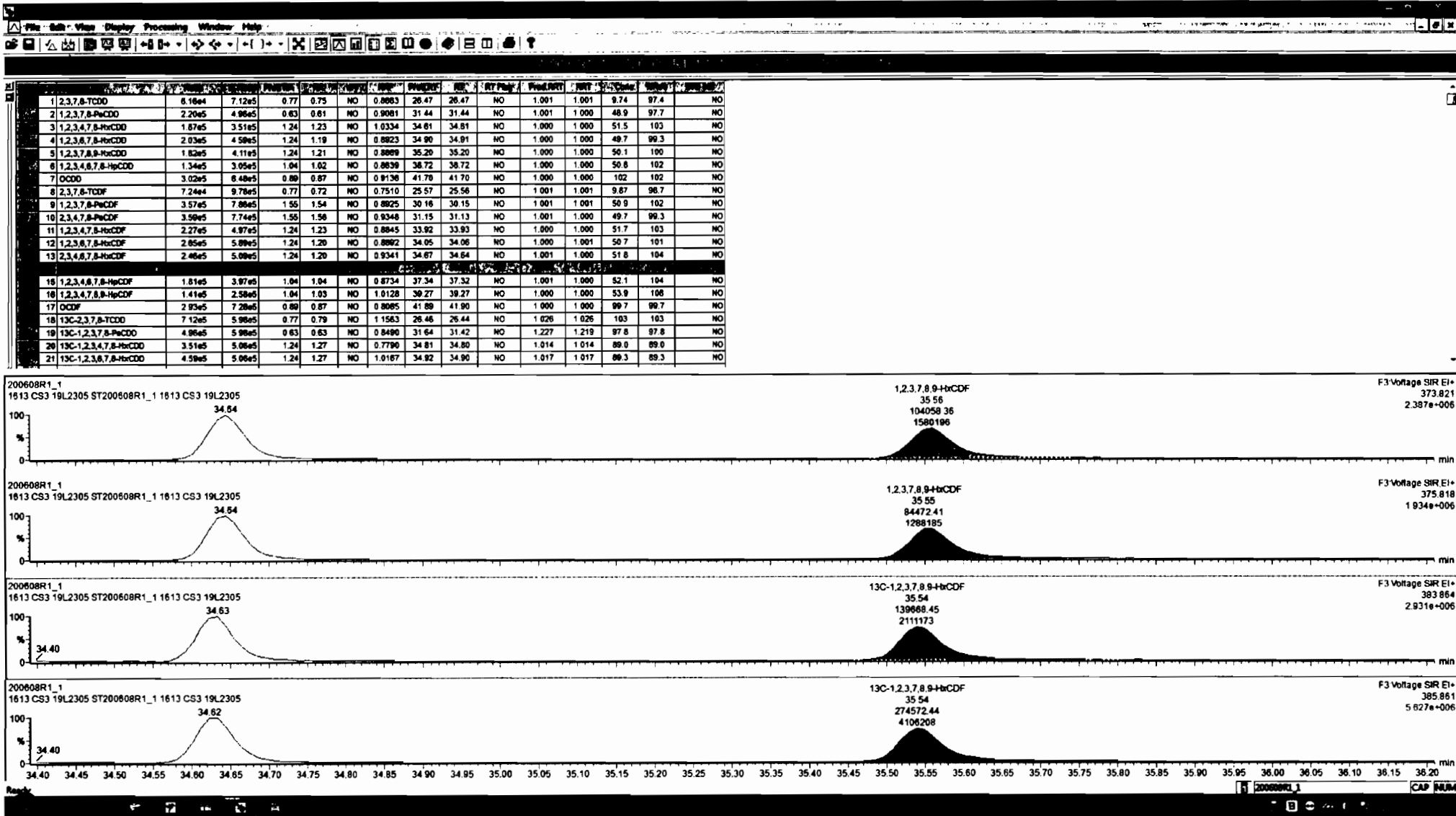


13C-1,2,3,4,7,8-HxCDF



DPE3





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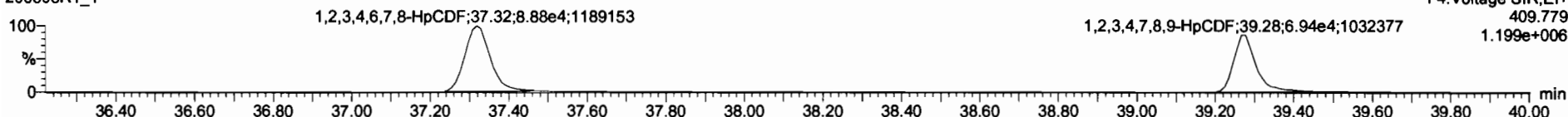
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1,2,3,4,6,7,8-HpCDF

200608R1_1



200608R1_1

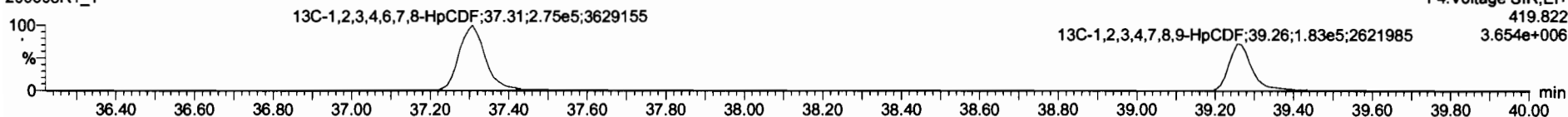


13C-1,2,3,4,6,7,8-HpCDF

200608R1_1

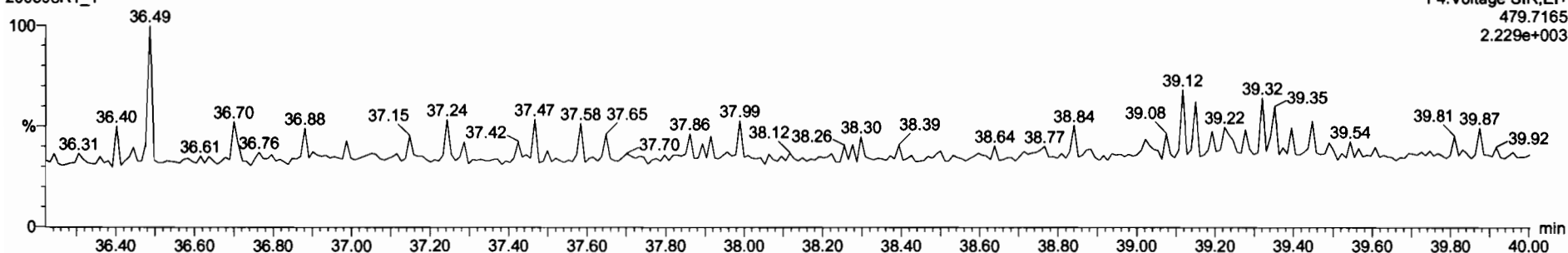


200608R1_1

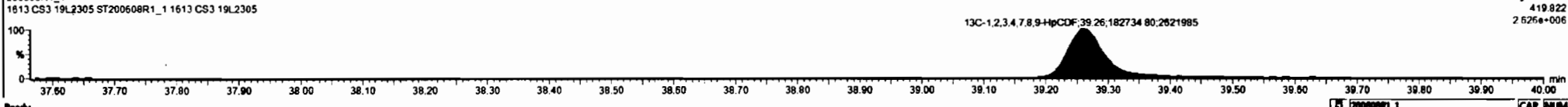
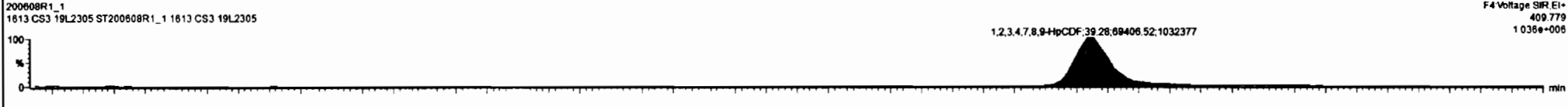
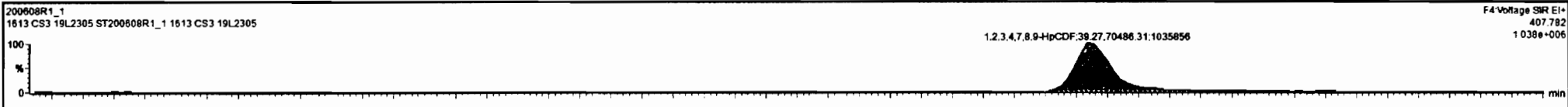


DPE4

200608R1_1



PKT	RT	NAME	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT
1	2.3,7,8-TCDD	6.16e4	7.12e5	0.77	0.75	NO	0.8883	26.47	26.47	NO	1.001	1.001	9.74	97.4	NO				
2	1,2,3,7,8-PeCDD	2.20e5	4.96e5	0.83	0.81	NO	0.9081	31.44	31.44	NO	1.001	1.000	48.9	97.7	NO				
3	1,2,3,4,7,8-HxCDD	1.87e5	3.51e5	1.24	1.23	NO	1.0334	34.81	34.81	NO	1.000	1.000	51.5	103	NO				
4	1,2,3,6,7,8-HxCDD	2.03e5	4.58e5	1.24	1.19	NO	0.8923	34.90	34.91	NO	1.000	1.000	49.7	99.3	NO				
5	1,2,3,7,8,9-HxCDD	1.82e5	4.11e5	1.24	1.21	NO	0.8869	35.20	35.20	NO	1.000	1.000	50.1	100	NO				
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.05e5	1.04	1.02	NO	0.8639	38.72	38.72	NO	1.000	1.000	50.8	102	NO				
7	OCDD	3.02e5	6.48e5	0.80	0.87	NO	0.9136	41.70	41.70	NO	1.000	1.000	102	102	NO				
8	2,3,7,8-TCDF	7.24e4	9.78e5	0.77	0.72	NO	0.7510	25.57	25.56	NO	1.001	1.001	9.87	96.7	NO				
9	1,2,3,7,8-PeCDF	3.57e5	7.86e5	1.55	1.54	NO	0.8925	30.16	30.15	NO	1.001	1.001	50.9	102	NO				
10	2,3,4,7,8-PeCDF	3.98e5	7.74e5	1.55	1.56	NO	0.9348	31.15	31.13	NO	1.001	1.000	49.7	99.3	NO				
11	1,2,3,4,7,8-HxCDF	2.27e5	4.97e5	1.24	1.23	NO	0.8645	33.92	33.93	NO	1.000	1.000	51.7	103	NO				
12	1,2,3,6,7,8-HxCDF	2.85e5	5.89e5	1.24	1.20	NO	0.8892	34.05	34.06	NO	1.000	1.001	50.7	101	NO				
13	2,3,4,6,7,8-HxCDF	2.48e5	5.09e5	1.24	1.20	NO	0.9341	34.67	34.64	NO	1.001	1.000	51.8	104	NO				
14	1,2,3,7,8,9-HpCDF	1.88e5	4.14e5	1.24	1.23	NO	0.8707	35.54	35.56	NO	1.000	1.001	52.3	105	NO				
15	1,2,3,4,6,7,8-HpCDF	1.81e5	3.97e5	1.04	1.04	NO	0.8734	37.34	37.32	NO	1.001	1.000	52.1	104	NO				
17	OCDF	2.93e5	7.28e5	0.80	0.87	NO	0.8065	41.89	41.90	NO	1.000	1.000	99.7	99.7	NO				
18	13C-2,3,7,8-TCDD	7.12e5	5.98e5	0.77	0.79	NO	1.1583	26.46	26.44	NO	1.026	1.026	103	103	NO				
19	13C-1,2,3,7,8-PeCDD	4.96e5	5.98e5	0.83	0.83	NO	0.8490	31.64	31.42	NO	1.227	1.219	97.8	97.8	NO				
20	13C-1,2,3,4,7,8-HxCDD	3.51e5	5.06e5	1.24	1.27	NO	0.7790	34.81	34.80	NO	1.014	1.014	99.0	99.0	NO				
21	13C-1,2,3,6,7,8-HxCDD	4.58e5	5.06e5	1.24	1.27	NO	1.0187	34.92	34.90	NO	1.017	1.017	99.3	99.3	NO				



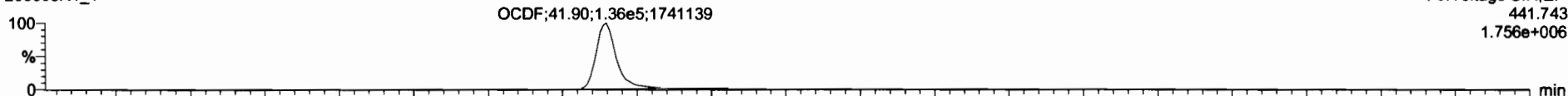
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Last Altered: Monday, June 08, 2020 12:30:35 Pacific Daylight Time
Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

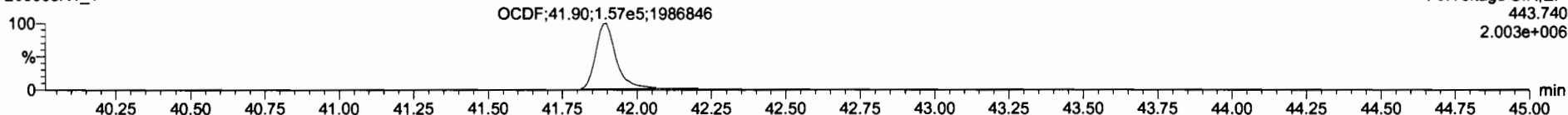
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OCDF

200608R1_1

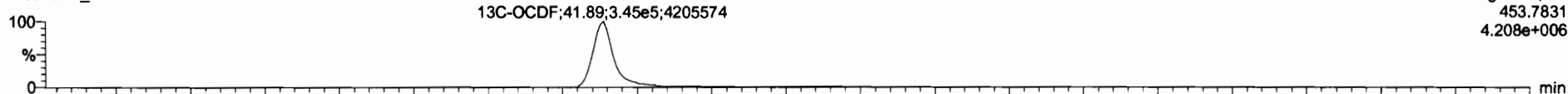


200608R1_1

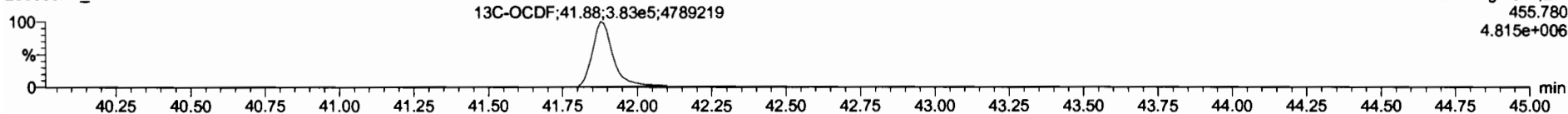


13C-OCDF

200608R1_1

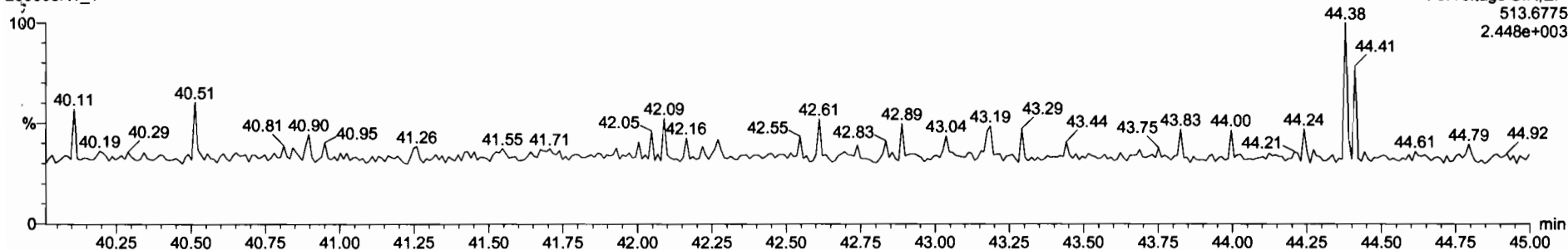


200608R1_1



DPE5

200608R1_1



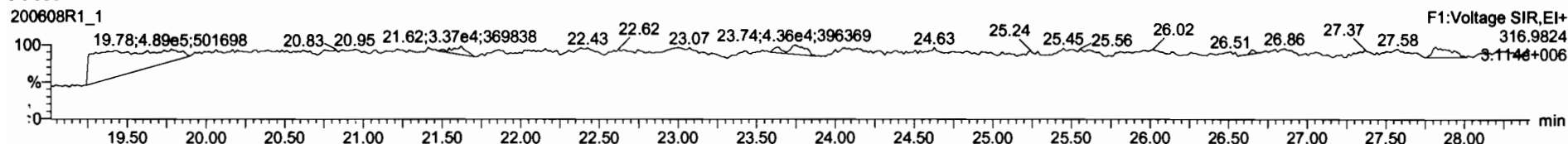
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Last Altered: Monday, June 08, 2020 12:30:35 Pacific Daylight Time

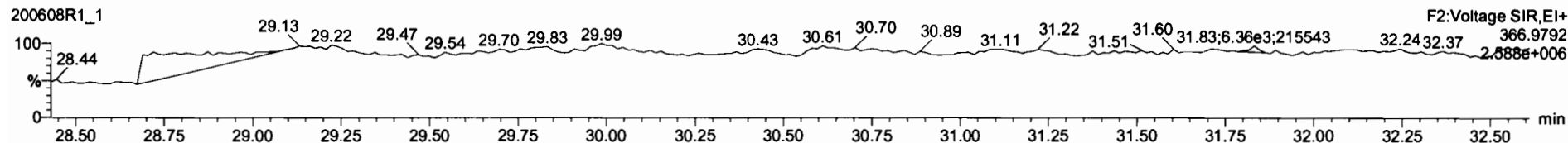
Printed: Monday, June 08, 2020 12:30:38 Pacific Daylight Time

Name: 200608R1_1, Date: 08-Jun-2020, Time: 11:40:29, ID: ST200608R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

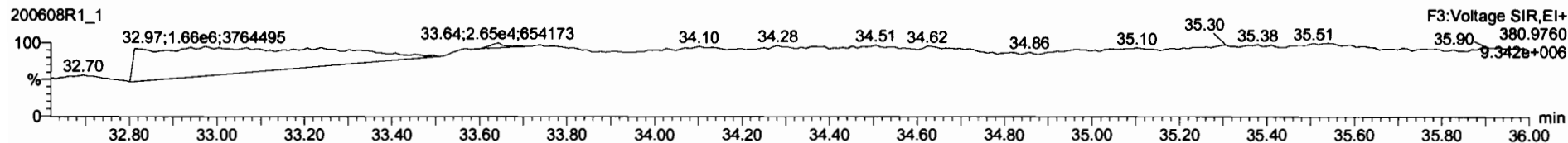
PFK1



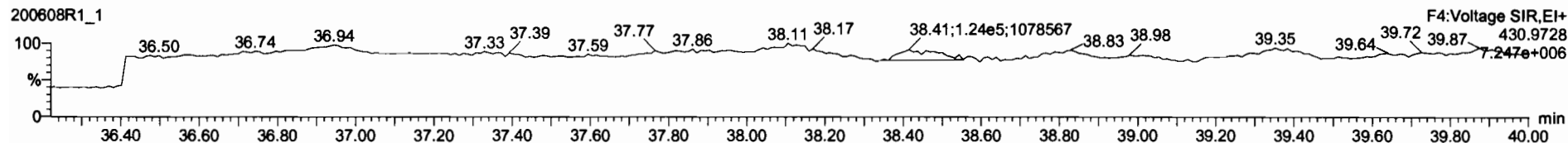
PFK2



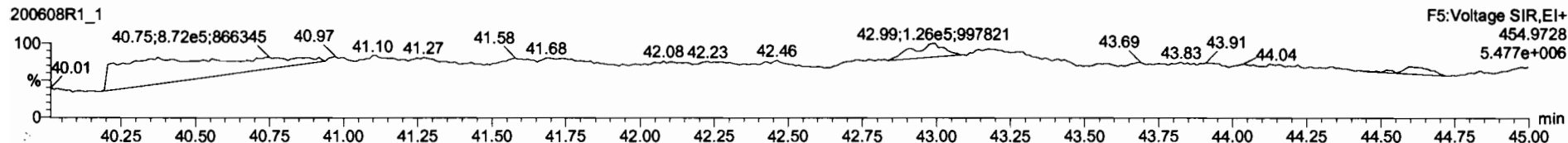
PFK3



PFK4

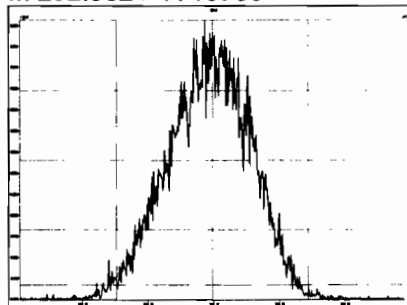


PFK5

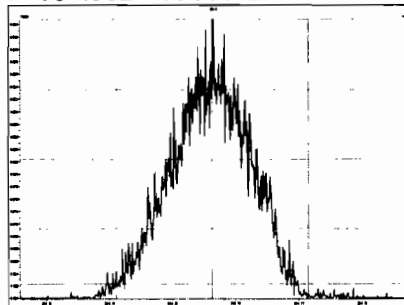


Printed: Tuesday, June 09, 2020 00:12:59 Pacific Daylight Time

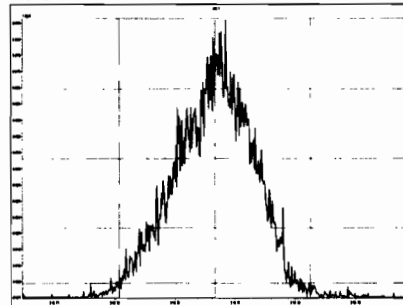
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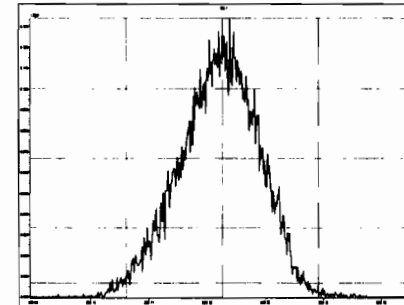
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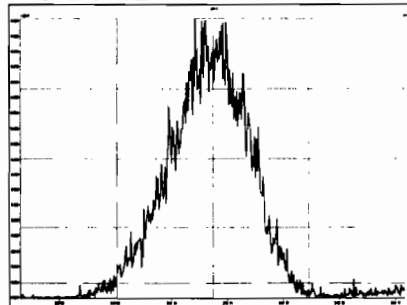
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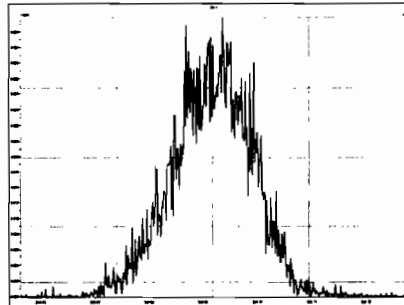
M 330.9792 R 10482



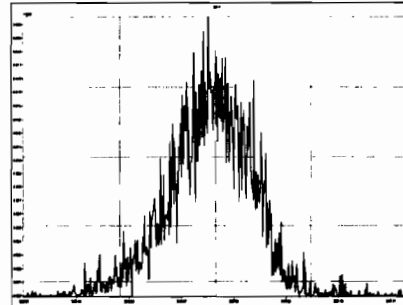
M 342.9792 R 10729



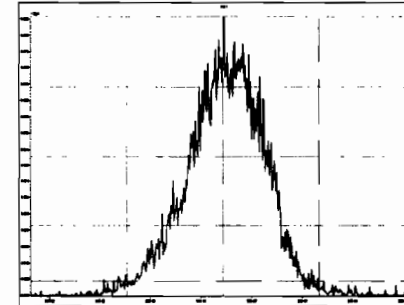
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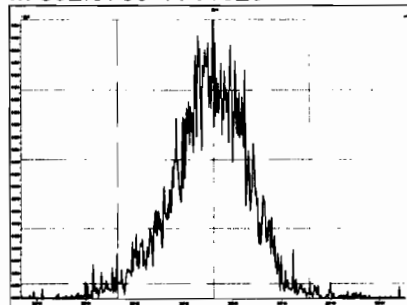
M 366.9792 R 12009



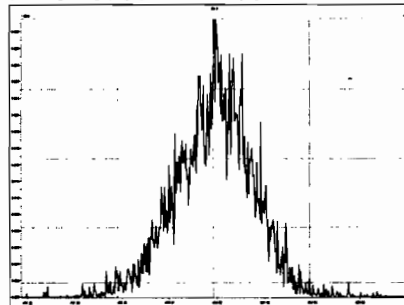
M 380.9760 R 11063



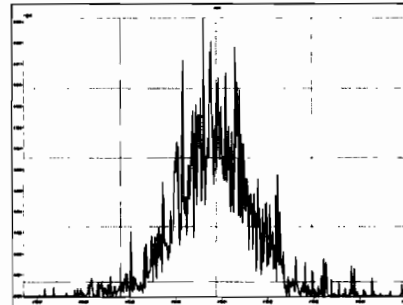
M 392.9760 R 11829



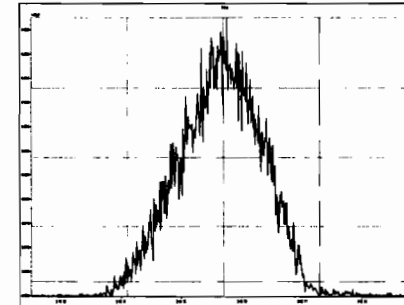
M 404.9760 R 12693



M 416.9760 R 13703

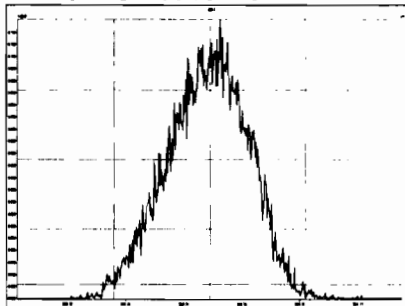


M 318.9792 R 10872

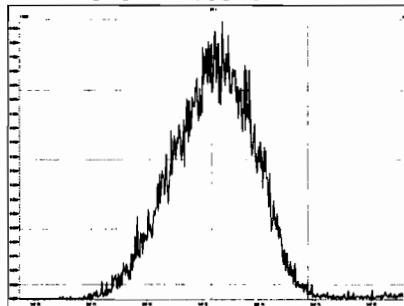


Printed: Tuesday, June 09, 2020 00:12:59 Pacific Daylight Time

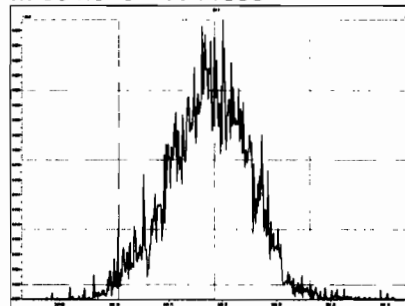
M 330.9792 R 10916



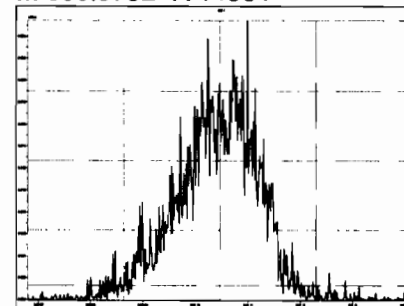
M 342.9792 R 10846



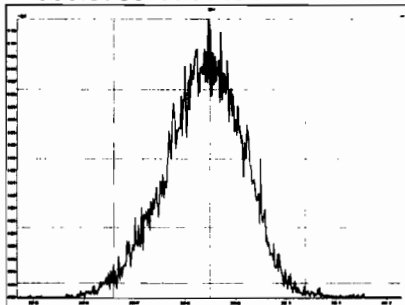
M 354.9792 R 11399



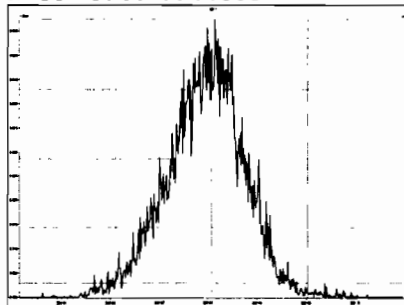
M 366.9792 R 11931



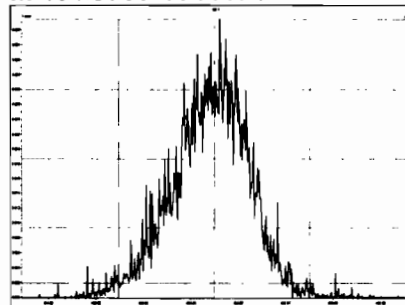
M 380.9760 R 11494



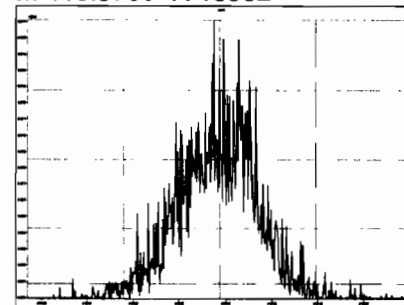
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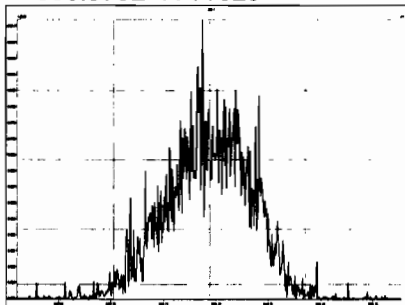
M 404.9760 R 11174



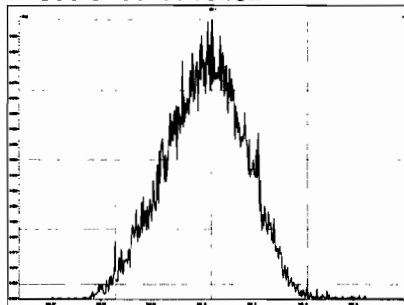
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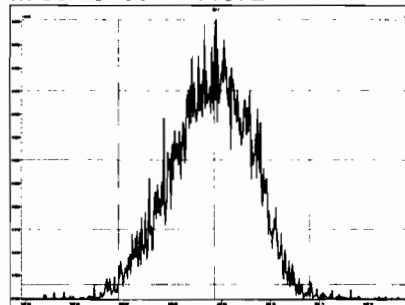
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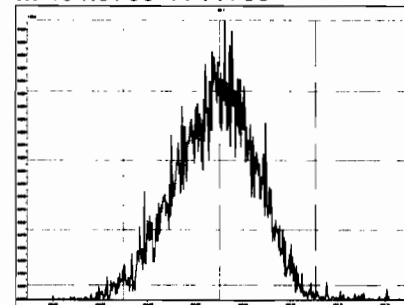
M 380.9760 R 10482



M 392.9760 R 11072

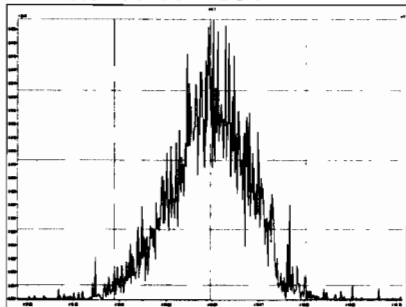


M 404.9760 R 11769

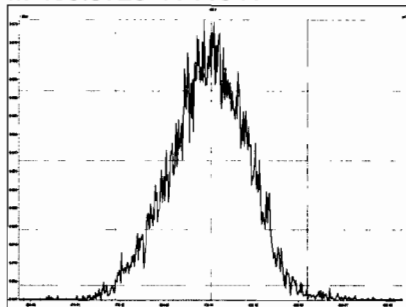


Printed: Tuesday, June 09, 2020 00:12:59 Pacific Daylight Time

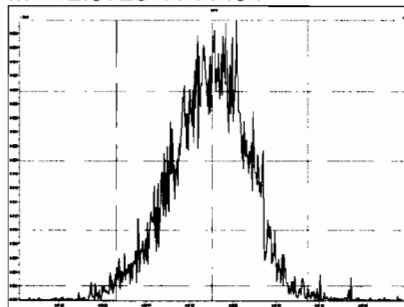
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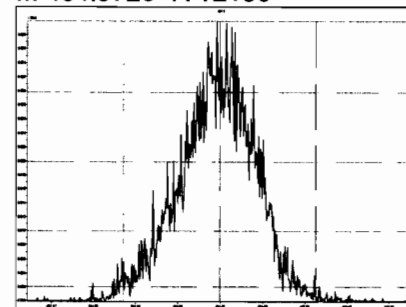
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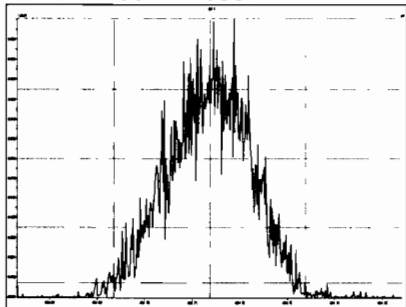
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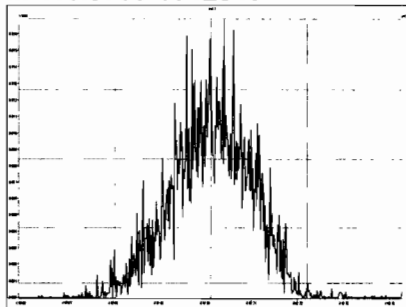
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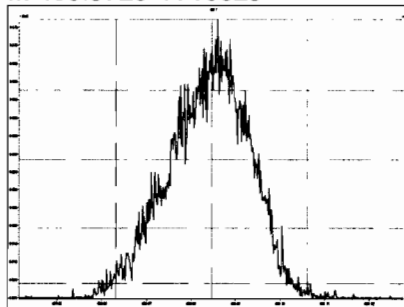
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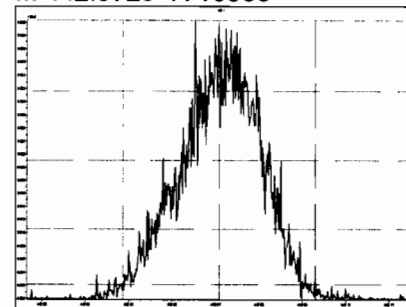
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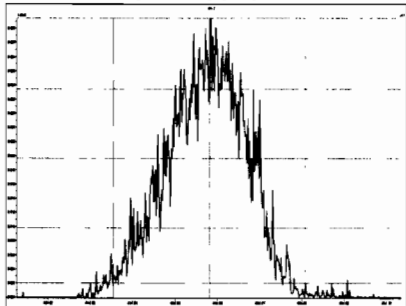
M 430.9728 R 10829



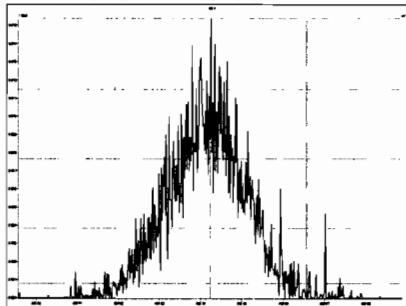
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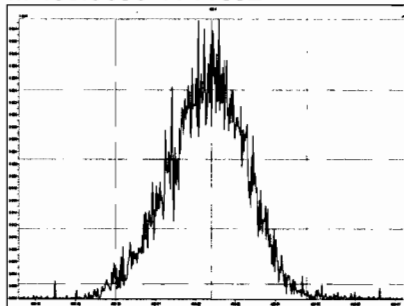
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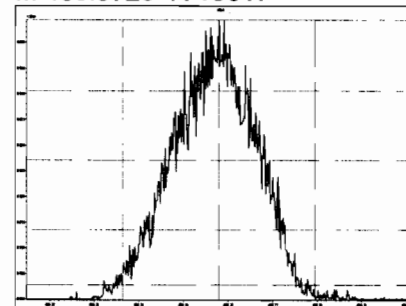
M 466.9728 R 12993



M 480.9696 R 11392

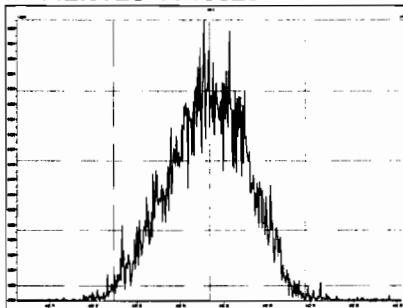


M 430.9728 R 10617

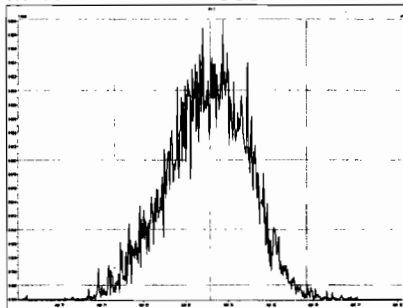


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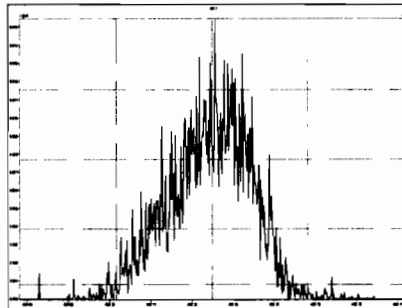
M 442.9728 R 10829



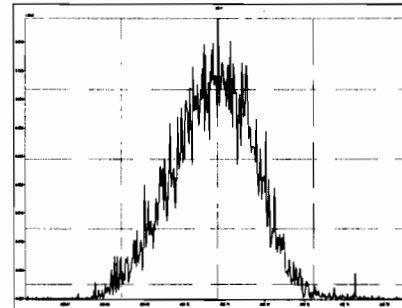
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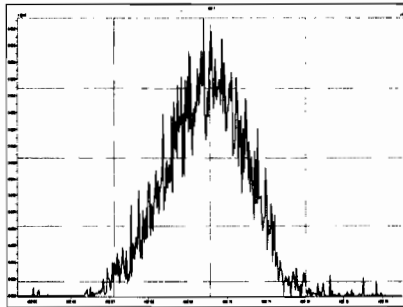
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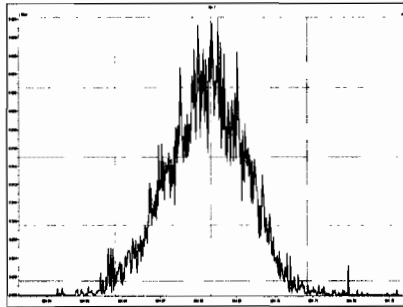
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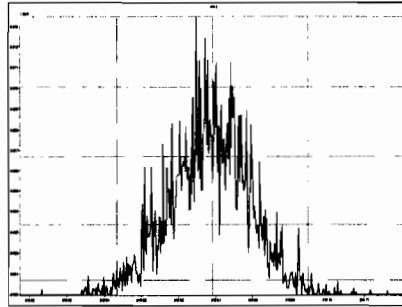
M 492.9696 R 11365



M 504.9696 R 10917



M 516.9697 R 13298



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST20060822-1

Reviewed By: CT 06/09/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox" value="NA"/>	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox" value="NA"/>
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:	<div style="height: 150px;"></div>	
Correct ICAL referenced?	<u>GPB</u>	<u>GPB</u>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox" value="v"/>			
- Samples within 12 hour clock?	<input checked="" type="checkbox" value="Y"/>	<input type="checkbox" value="N"/>			
- Bottle position verified?	<u>GPB</u>				

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-2.qld

Last Altered: Tuesday, June 09, 2020 07:28:47 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:29:43 Pacific Daylight Time

GAB 06/09/2020
06/09/2020

Method: Untitled 01 Jun 2020 11:54:45

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

C7 06/09/2020

Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	2,3,7,8-TCDD	6.62e4	7.46e5	0.76	NO	0.888	26.47	26.45	NO	1.001	1.001	9.9962	100	NO
2	1,2,3,7,8-PeCDD	2.24e5	5.02e5	0.62	NO	0.908	31.44	31.44	NO	1.001	1.000	49.184	98.4	NO
3	1,2,3,4,7,8-HxCDD	1.84e5	3.54e5	1.25	NO	1.03	34.80	34.80	NO	1.000	1.000	50.373	101	NO
4	1,2,3,6,7,8-HxCDD	2.02e5	4.49e5	1.25	NO	0.892	34.90	34.91	NO	1.000	1.000	50.492	101	NO
5	1,2,3,7,8,9-HxCDD	1.77e5	4.01e5	1.25	NO	0.887	35.20	35.20	NO	1.000	1.000	49.861	99.7	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.11e5	1.00	NO	0.864	38.74	38.73	NO	1.000	1.000	49.873	99.7	NO
7	OCDD	2.51e5	5.39e5	0.90	NO	0.914	41.72	41.72	NO	1.000	1.000	101.72	102	NO
8	2,3,7,8-TCDF	7.71e4	1.02e6	0.74	NO	0.751	25.57	25.56	NO	1.001	1.001	10.031	100	NO
9	1,2,3,7,8-PeCDF	3.59e5	8.01e5	1.59	NO	0.893	30.14	30.14	NO	1.001	1.001	50.182	100	NO
10	2,3,4,7,8-PeCDF	3.56e5	7.66e5	1.57	NO	0.935	31.15	31.13	NO	1.001	1.000	49.786	99.6	NO
11	1,2,3,4,7,8-HxCDF	2.30e5	5.06e5	1.19	NO	0.884	33.92	33.93	NO	1.000	1.000	51.476	103	NO
12	1,2,3,6,7,8-HxCDF	2.64e5	5.88e5	1.20	NO	0.889	34.05	34.06	NO	1.000	1.001	50.458	101	NO
13	2,3,4,6,7,8-HxCDF	2.45e5	5.11e5	1.20	NO	0.934	34.66	34.64	NO	1.001	1.001	51.289	103	NO
14	1,2,3,7,8,9-HxCDF	1.83e5	4.05e5	1.21	NO	0.871	35.54	35.56	NO	1.000	1.001	51.996	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.73e5	3.77e5	1.02	NO	0.873	37.34	37.32	NO	1.001	1.000	52.468	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.32e5	2.53e5	0.99	NO	1.01	39.27	39.28	NO	1.000	1.000	51.535	103	NO
17	OCDF	2.76e5	6.78e5	0.87	NO	0.806	41.91	41.91	NO	1.000	1.000	101.02	101	NO
18	13C-2,3,7,8-TCDD	7.46e5	6.44e5	0.78	NO	1.16	26.46	26.44	NO	1.026	1.026	100.17	100	NO
19	13C-1,2,3,7,8-PeCDD	5.02e5	6.44e5	0.65	NO	0.849	31.64	31.42	NO	1.227	1.219	91.836	91.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.54e5	5.04e5	1.29	NO	0.779	34.80	34.79	NO	1.014	1.014	90.084	90.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.49e5	5.04e5	1.27	NO	1.02	34.91	34.90	NO	1.017	1.017	87.583	87.6	NO
22	13C-1,2,3,7,8,9-HxCDD	4.01e5	5.04e5	1.29	NO	0.903	35.18	35.19	NO	1.025	1.025	88.196	88.2	NO
23	13C-1,2,3,4,6,7,8-HpCDD	3.11e5	5.04e5	1.06	NO	0.689	38.70	38.72	NO	1.128	1.129	89.514	89.5	NO
24	13C-OCDD	5.39e5	5.04e5	0.90	NO	0.652	41.72	41.72	NO	1.216	1.216	164.16	82.1	NO
25	13C-2,3,7,8-TCDF	1.02e6	9.79e5	0.77	NO	1.06	25.50	25.54	NO	0.989	0.991	98.767	98.8	NO
26	13C-1,2,3,7,8-PeCDF	8.01e5	9.79e5	1.60	NO	0.838	30.02	30.12	NO	1.165	1.168	97.683	97.7	NO
27	13C-2,3,4,7,8-PeCDF	7.66e5	9.79e5	1.62	NO	0.817	30.97	31.11	NO	1.202	1.207	95.840	95.8	NO
28	13C-1,2,3,4,7,8-HxCDF	5.06e5	5.04e5	0.51	NO	1.01	33.93	33.92	NO	0.989	0.989	99.689	99.7	NO
29	13C-1,2,3,6,7,8-HxCDF	5.88e5	5.04e5	0.50	NO	1.17	34.05	34.04	NO	0.992	0.992	100.07	100	NO
30	13C-2,3,4,6,7,8-HxCDF	5.11e5	5.04e5	0.50	NO	1.02	34.63	34.62	NO	1.009	1.009	99.311	99.3	NO
31	13C-1,2,3,7,8,9-HxCDF	4.05e5	5.04e5	0.49	NO	0.860	35.53	35.54	NO	1.035	1.036	93.525	93.5	NO

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-2.qld

Last Altered: Tuesday, June 09, 2020 07:28:47 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:29:43 Pacific Daylight Time

Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

32	13C-1,2,3,4,6,7,8-HpCDF	3.77e5	5.04e5	0.43	NO	0.774	37.27	37.31	NO	1.086	1.087	96.562	96.6	NO
33	13C-1,2,3,4,7,8,9-HpCDF	2.53e5	5.04e5	0.42	NO	0.521	39.30	39.27	NO	1.145	1.144	96.362	96.4	NO
34	13C-OCDF	6.78e5	5.04e5	0.90	NO	0.746	41.89	41.91	NO	1.221	1.221	180.55	90.3	NO
35	37Cl-2,3,7,8-TCDD	6.61e4	6.44e5			1.04	26.49	26.45	NO	1.028	1.026	9.8948	98.9	NO
36	13C-1,2,3,4-TCDD	6.44e5	6.44e5	0.82	NO	1.00	25.89	25.78	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	9.79e5	9.79e5	0.79	NO	1.00	24.36	24.09	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	5.04e5	5.04e5	0.51	NO	1.00	34.31	34.31	NO	1.000	1.000	100.00	100	YES <i>sk</i>

Dataset: Untitled

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Printed: Tuesday, June 09, 2020 09:51:54 Pacific Daylight Time

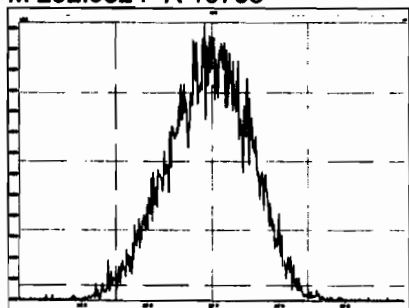
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

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

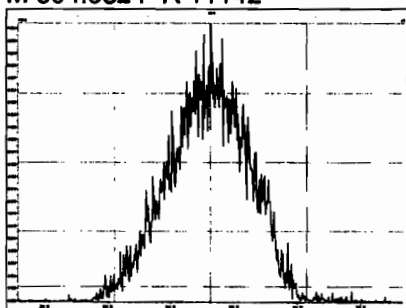
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200608R2_2	ST200608R2_1 1613 CS3 19L2305	09-Jun-20	00:59:18
200608R2_3	SOLVENT BLANK	09-Jun-20	01:45:34
200608R2_4	2001037-12 PDI-098SC-B-05-07-200507 15.77	09-Jun-20	02:31:48
200608R2_5	2001037-13 PDI-1098SC-B-05-07-200507 15.94	09-Jun-20	03:18:01
200608R2_6	2001037-14 PDI-098SG-00-01-200507 14.97	09-Jun-20	04:04:15
200608R2_7	2000995-10@2X PDI-072SC-B-04-06-200430 ...	09-Jun-20	04:50:30
200608R2_8	2000995-05@5X PDI-068SC-B-05-07-200430 ...	09-Jun-20	05:36:44
200608R2_9	2000995-03@10X PDI-068SC-B-00-02-20043...	09-Jun-20	06:22:59
200608R2_10	2001034-01 PDI-085SC-B-00-02-200508 20.45	09-Jun-20	07:09:15
200608R2_11	2001034-02 PDI-085SC-B-02-05-200508 17.75	09-Jun-20	07:55:27
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Printed: Tuesday, June 09, 2020 00:12:59 Pacific Daylight Time

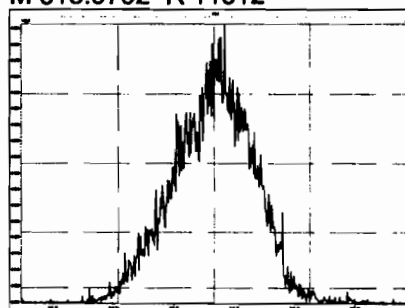
M 292.9824 R 10758



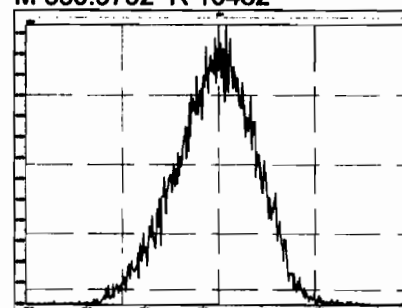
M 304.9824 R 11142



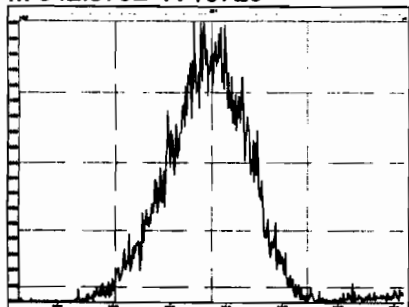
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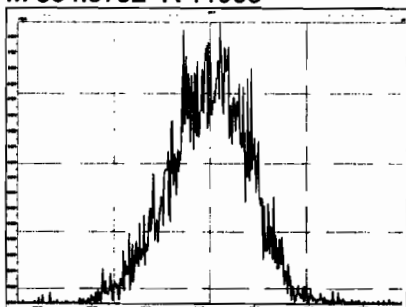
M 330.9792 R 10482



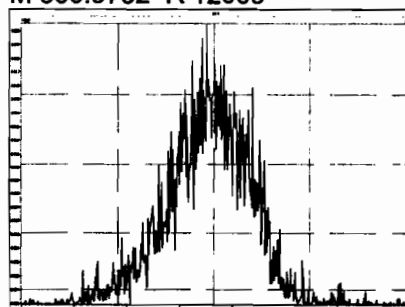
M 342.9792 R 10729



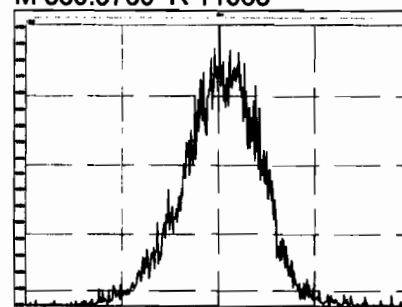
M 354.9792 R 11933



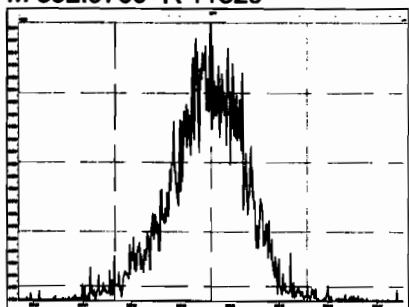
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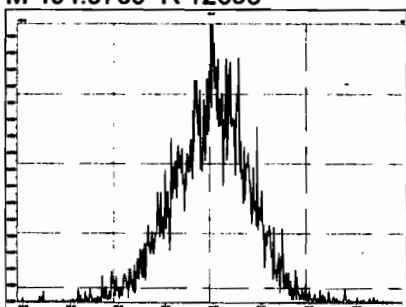
M 380.9760 R 11063



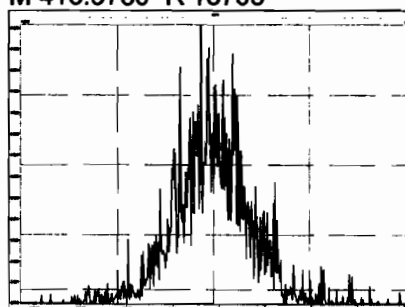
M 392.9760 R 11829



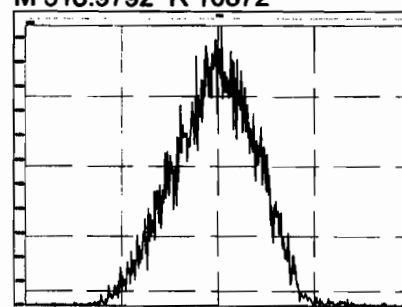
M 404.9760 R 12693



M 416.9760 R 13703

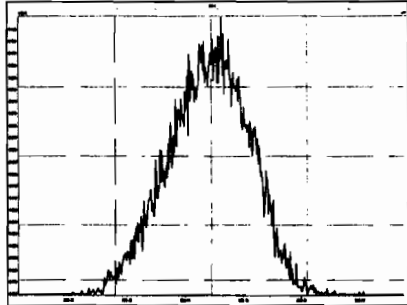


M 318.9792 R 10872

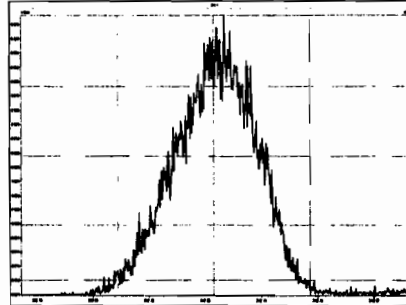


Printed: Tuesday, June 09, 2020 00:12:59 Pacific Daylight Time

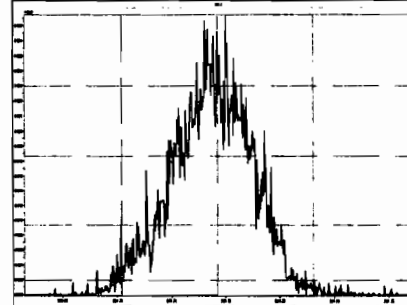
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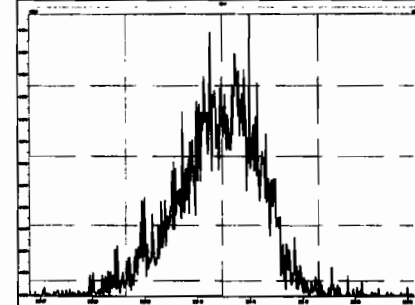
M 342.9792 R 10846



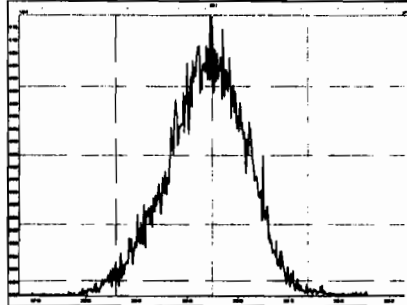
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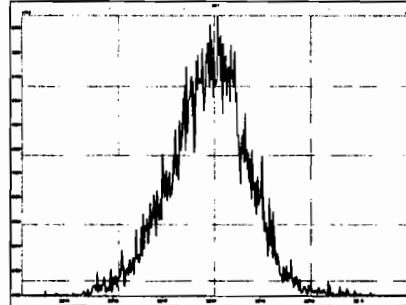
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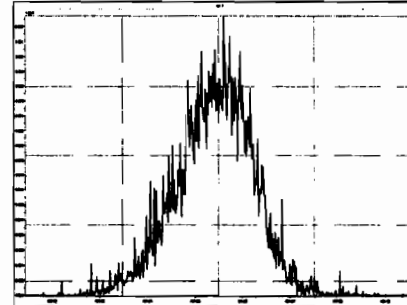
M 380.9760 R 11494



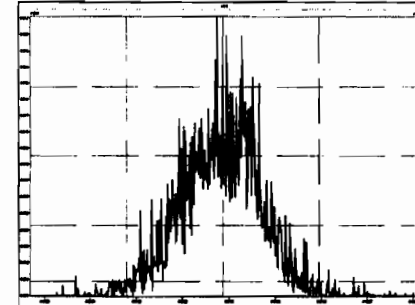
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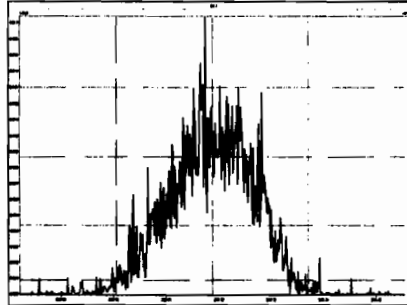
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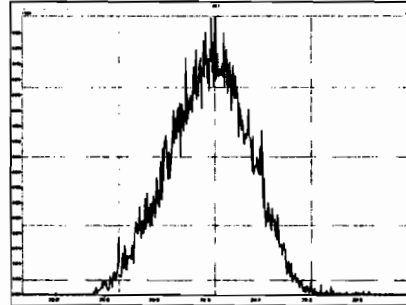
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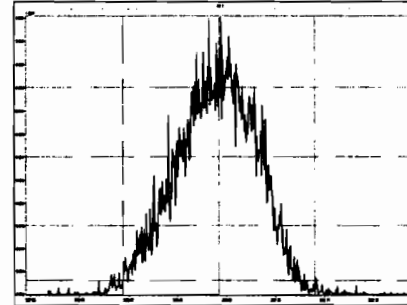
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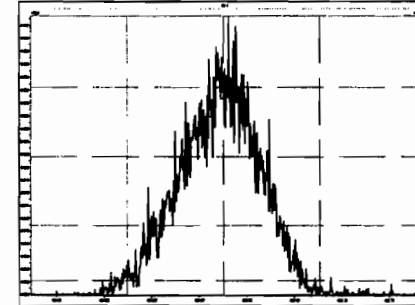
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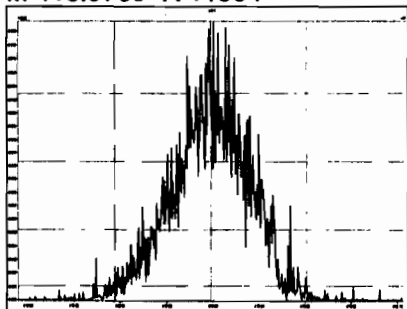
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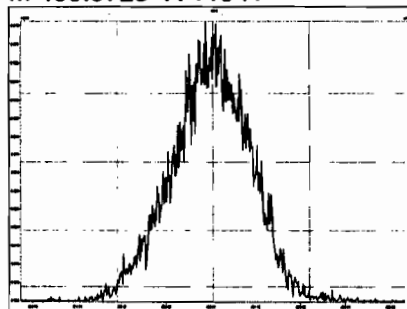
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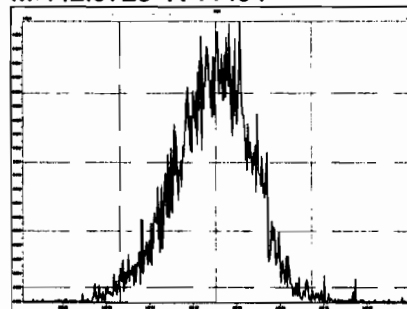
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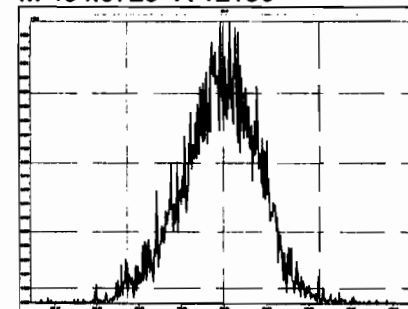
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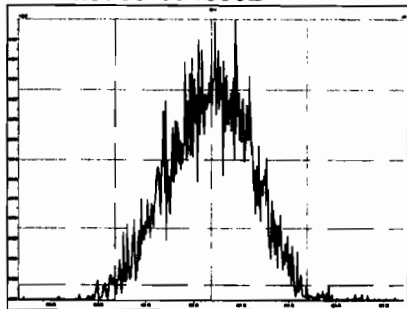
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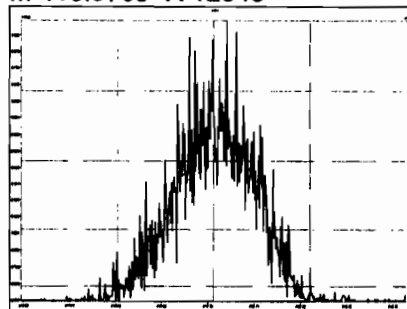
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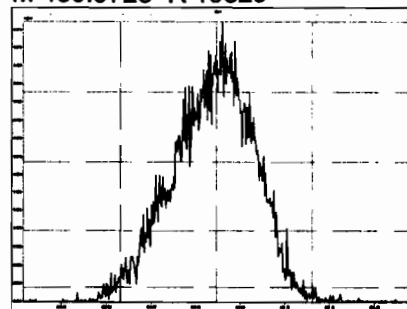
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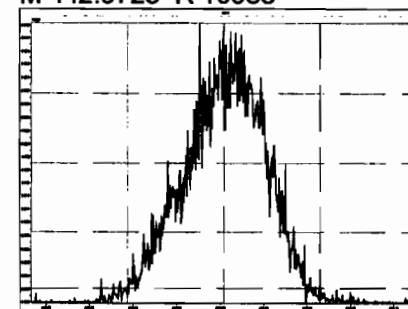
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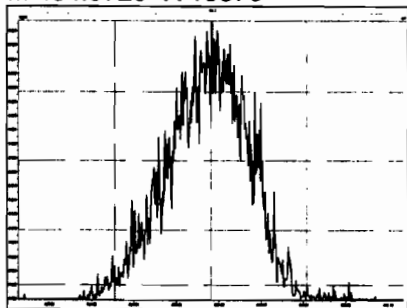
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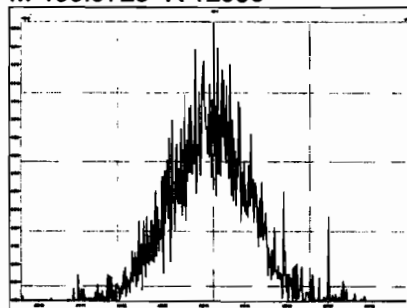
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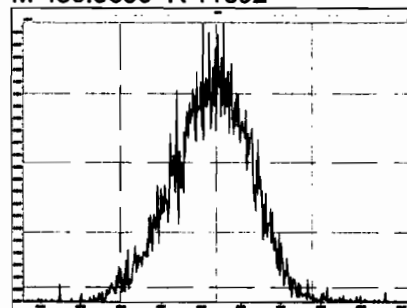
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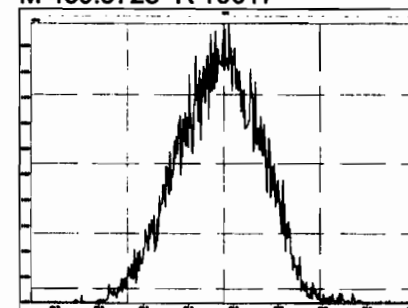
M 466.9728 R 12993



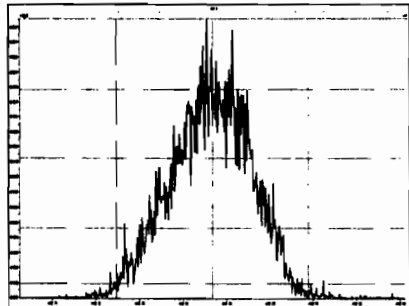
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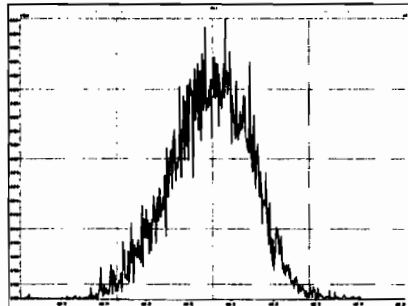
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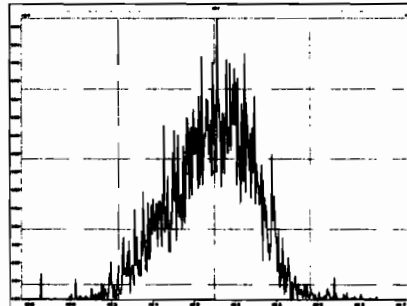
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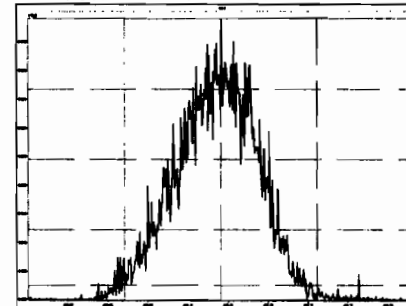
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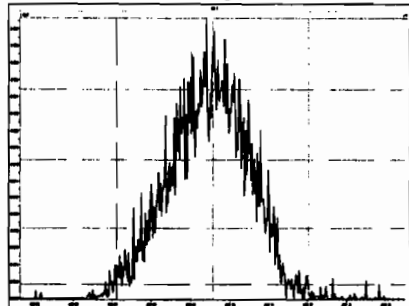
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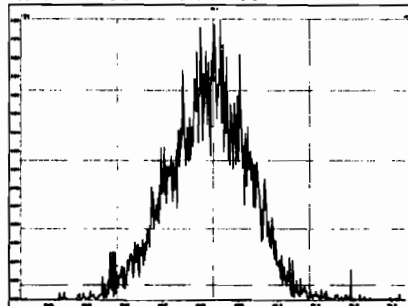
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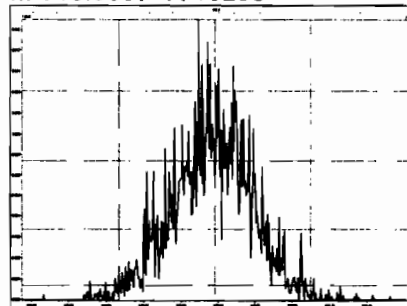
M 492.9696 R 11365



M 504.9696 R 10917



M 516.9697 R 13298



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Last Altered: Tuesday, June 09, 2020 07:31:12 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:31:25 Pacific Daylight Time

Method: Untitled 26 May 2020 10:39:11

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

Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	27.43
3	1,2,4,7,9-PeCDD (First)	29.21
4	1,2,3,8,9-PeCDD (Last)	31.82
5	1,2,4,6,7,9-HxCDD (First)	33.30
6	1,2,3,7,8,9-HxCDD (Last)	35.20
7	1,2,3,4,6,7,9-HpCDD (First)	37.71
8	1,2,3,4,6,7,8-HpCDD (Last)	38.73
9	1,3,6,8-TCDF (First)	20.29
10	1,2,8,9-TCDF (Last)	27.58
11	1,3,4,6,8-PeCDF (First)	27.53
12	1,2,3,8,9-PeCDF (Last)	32.06
13	1,2,3,4,6,8-HxCDF (First)	32.76
14	1,2,3,7,8,9-HxCDF (Last)	35.56
15	1,2,3,4,6,7,8-HpCDF (First)	37.32
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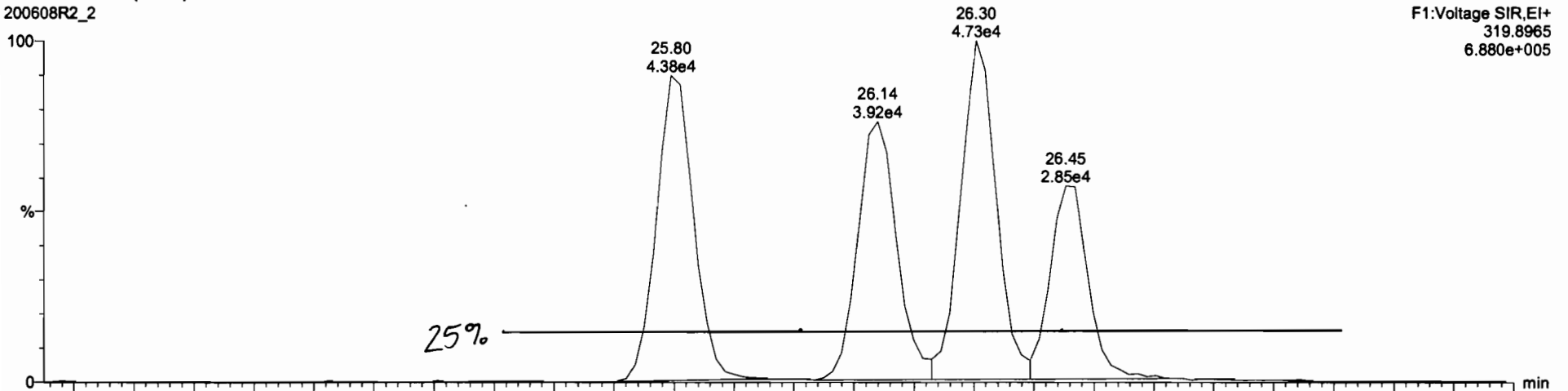
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GRB 06/09/2020

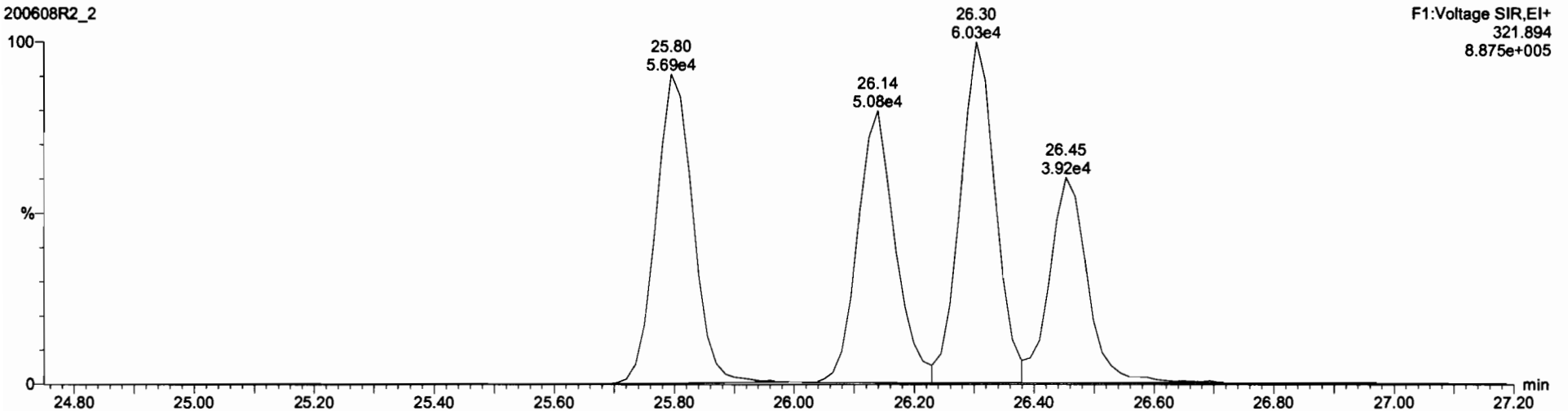
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Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)
200608R2_2



200608R2_2



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:30:07 Pacific Daylight Time
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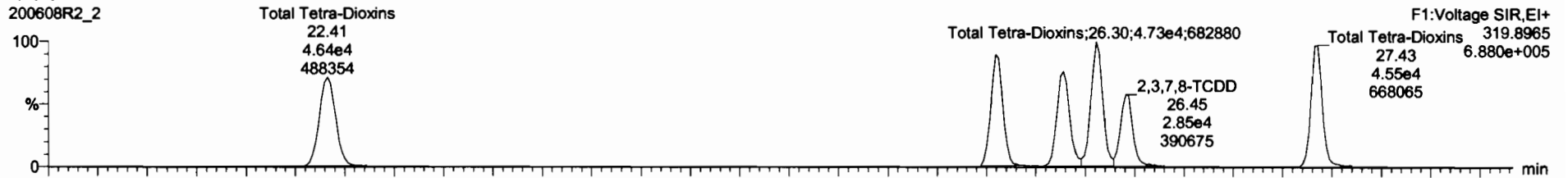
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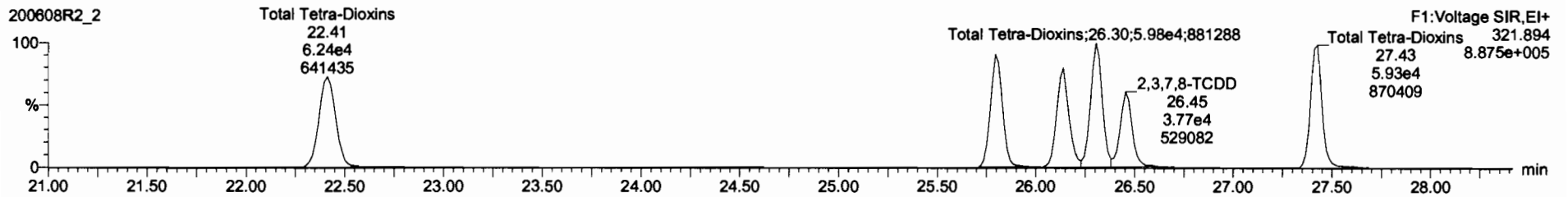
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2,3,7,8-TCDD

200608R2_2

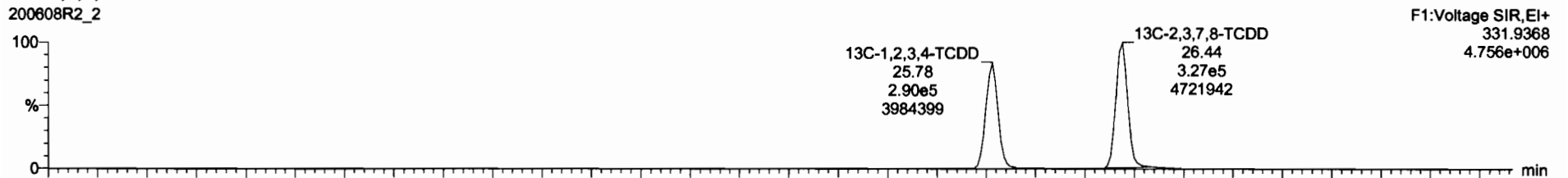


200608R2_2

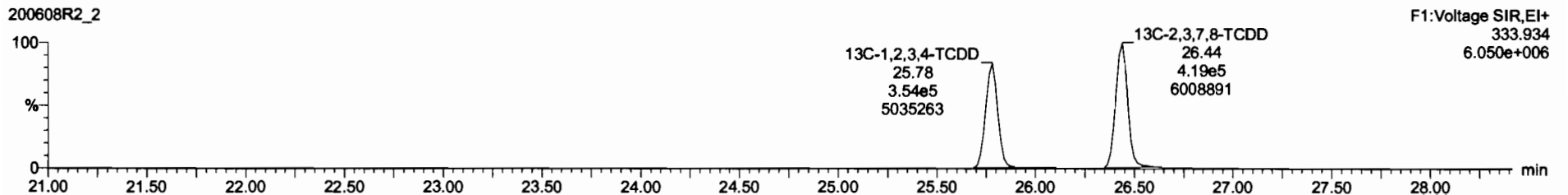


13C-2,3,7,8-TCDD

200608R2_2



200608R2_2



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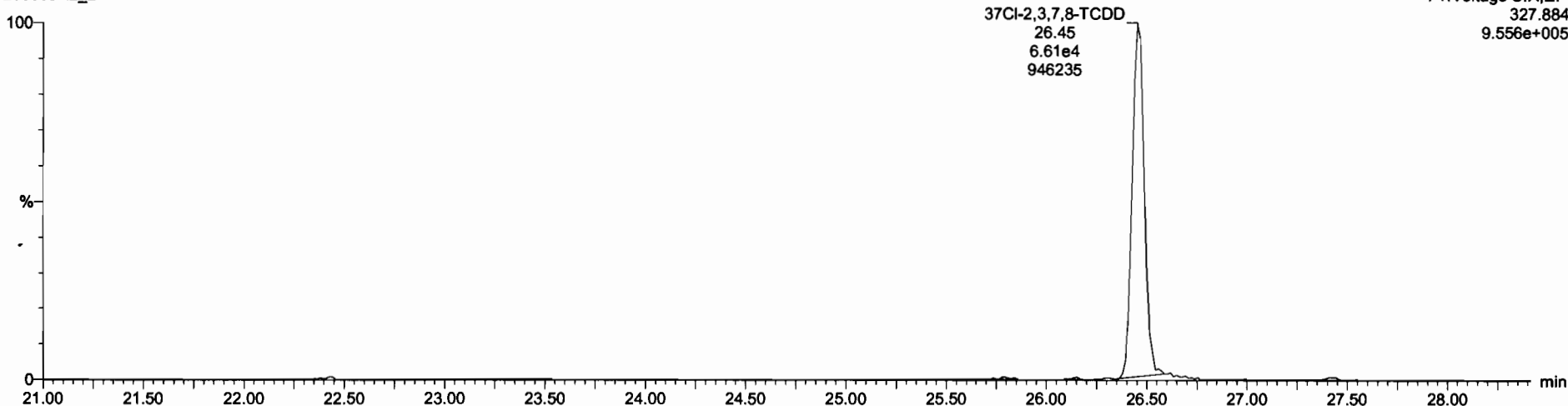
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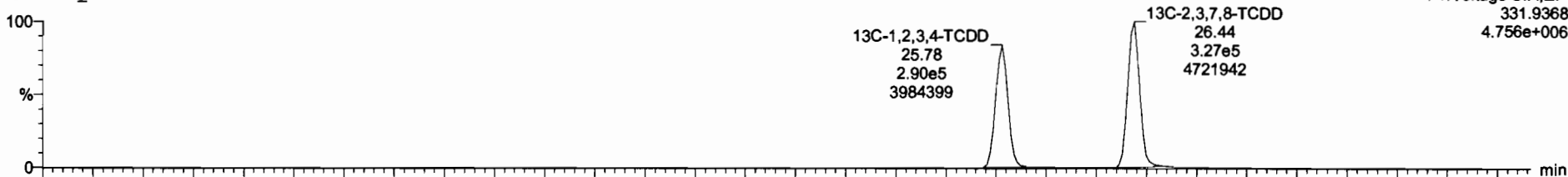
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200608R2_2

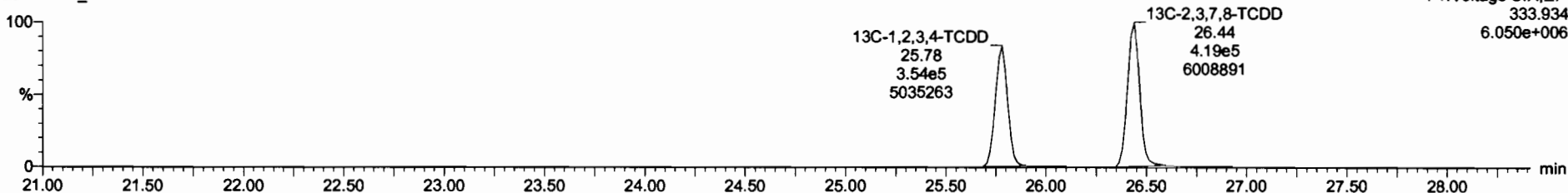


13C-1,2,3,4-TCDD

200608R2_2



200608R2_2



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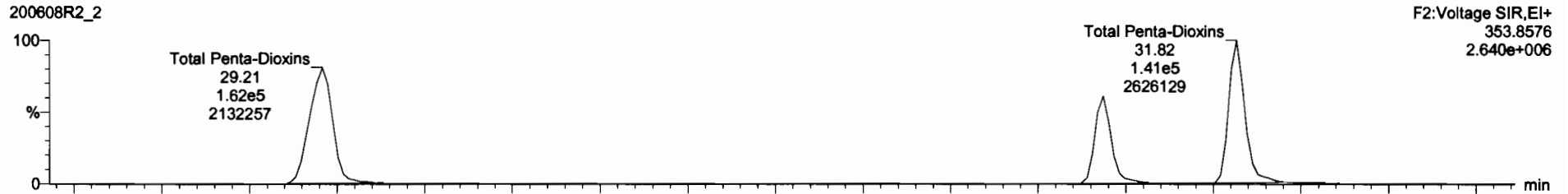
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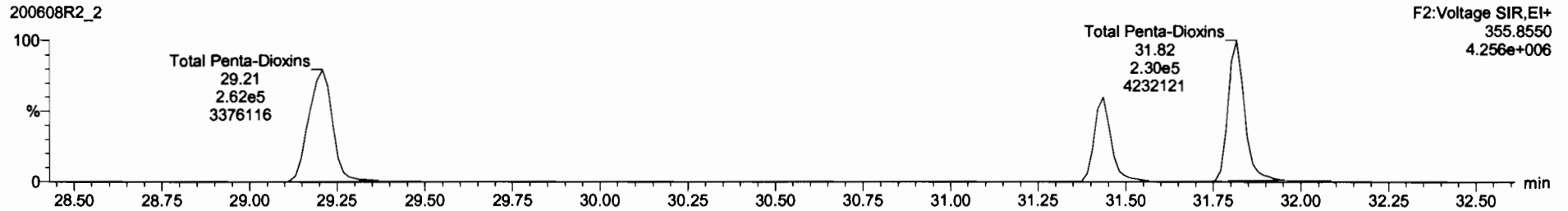
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1,2,3,7,8-PeCDD

200608R2_2

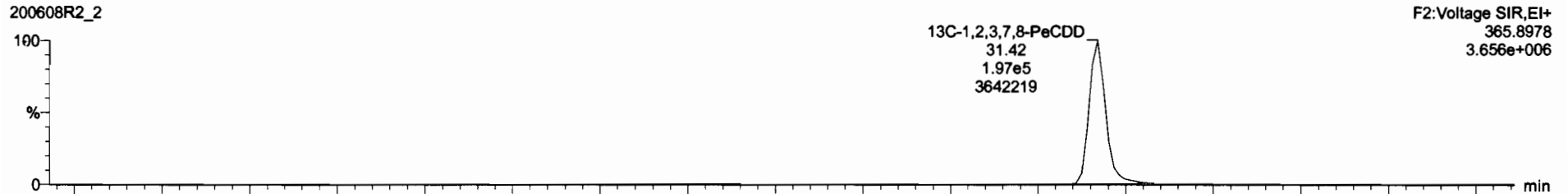


200608R2_2

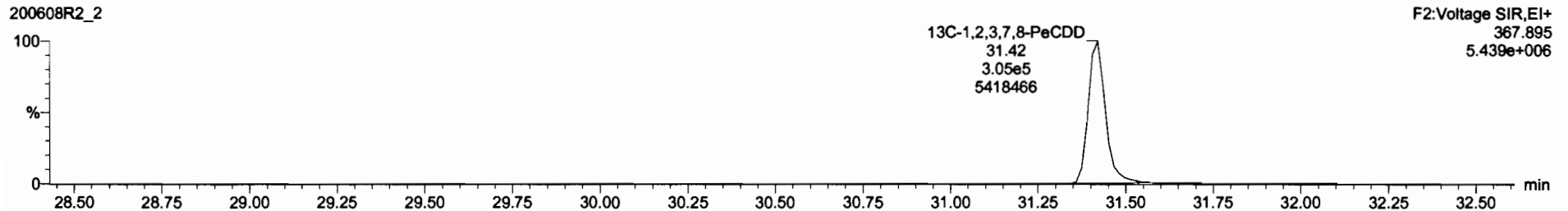


13C-1,2,3,7,8-PeCDD

200608R2_2



200608R2_2



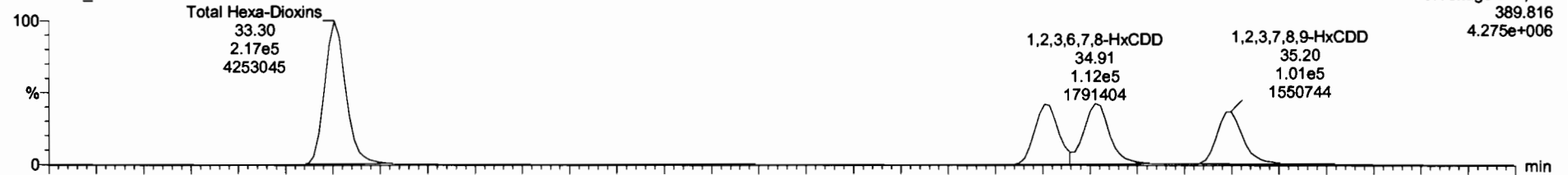
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Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

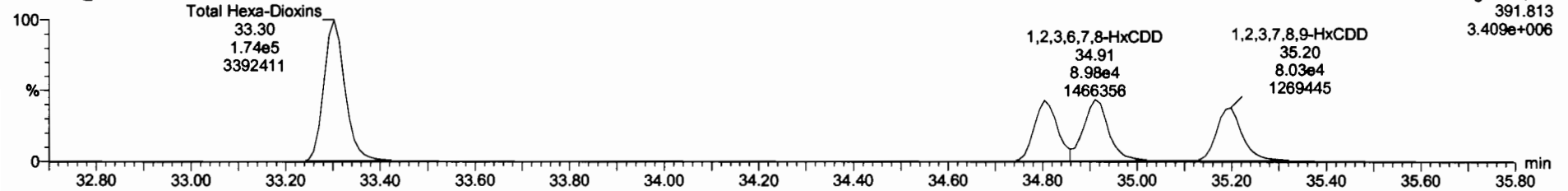
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1,2,3,4,7,8-HxCDD

200608R2_2

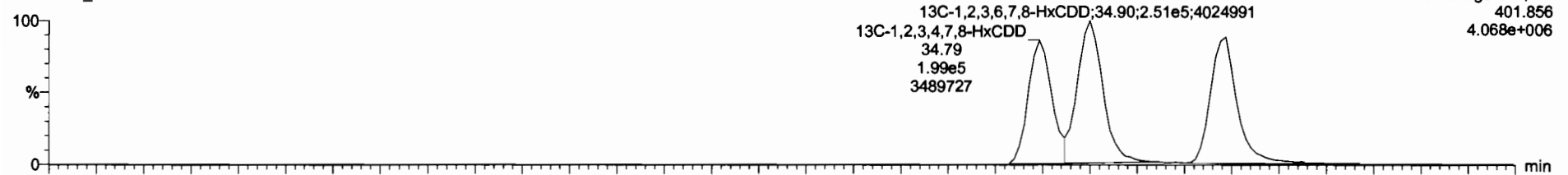


200608R2_2

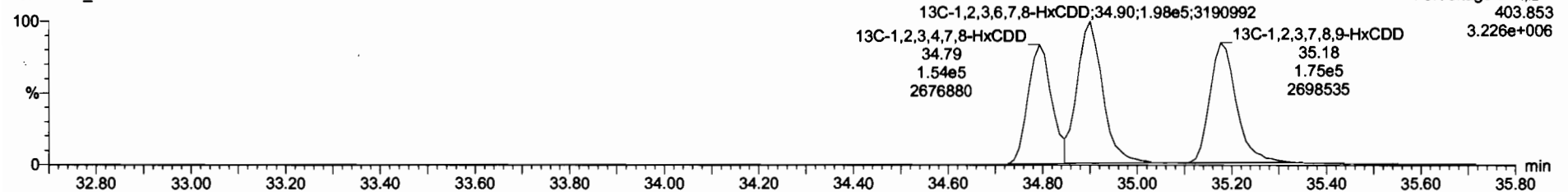


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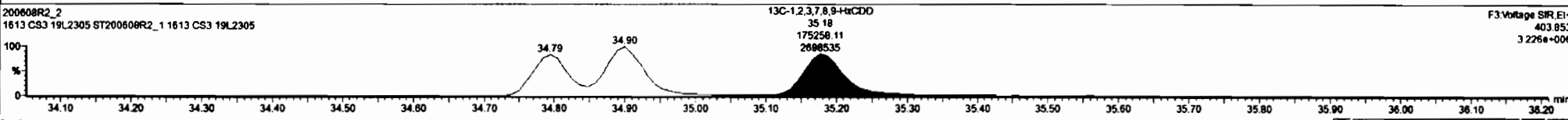
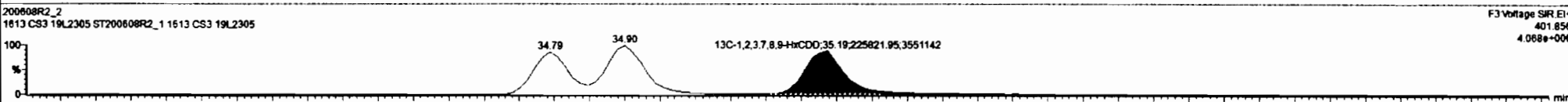
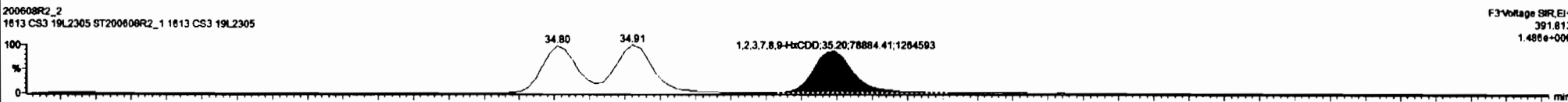
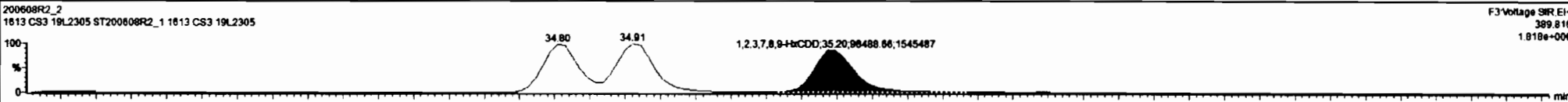
200608R2_2



200608R2_2



1	2,3,7,8-TCDD	8.62e4	7.48e5	0.77	0.78	NO	0.8883	28.47	28.45	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	2.24e5	5.02e5	0.83	0.82	NO	0.9081	31.44	31.44	NO	1.001	1.000	49.2	98.4	NO
3	1,2,3,4,7,8-HxCDD	1.84e5	3.54e5	1.24	1.25	NO	1.0334	34.80	34.80	NO	1.000	1.000	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	2.02e5	4.48e5	1.24	1.25	NO	0.8823	34.90	34.91	NO	1.000	1.000	50.5	101	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.11e5	1.04	1.00	NO	0.8538	38.74	38.73	NO	1.000	1.000	49.9	99.7	NO
7	OCDD	2.87e5	5.58e5	0.80	0.80	NO	0.9138	41.72	41.72	NO	1.000	1.000	105	105	NO
8	2,3,7,8-TCDF	7.71e4	1.82e5	0.77	0.74	NO	0.7510	25.57	25.56	NO	1.001	1.001	10.0	100	NO
9	1,2,3,7,8-PeCDF	3.58e5	8.01e5	1.55	1.50	NO	0.8825	30.14	30.14	NO	1.001	1.001	50.2	100	NO
10	2,3,4,7,8-PeCDF	3.98e5	7.88e5	1.55	1.57	NO	0.9348	31.15	31.13	NO	1.001	1.000	49.8	99.8	NO
11	1,2,3,4,7,8-HxCDF	2.30e5	5.08e5	1.24	1.19	NO	0.8845	33.82	33.83	NO	1.000	1.000	51.3	103	NO
12	1,2,3,6,7,8-HxCDF	2.64e5	5.88e5	1.24	1.20	NO	0.8882	34.05	34.06	NO	1.000	1.001	50.5	101	NO
13	2,3,4,6,7,8-HxCDF	2.45e5	5.11e5	1.24	1.20	NO	0.9341	34.88	34.64	NO	1.001	1.001	51.3	103	NO
14	1,2,3,7,8,9-HxCDF	1.83e5	4.86e5	1.24	1.21	NO	0.8787	35.54	35.56	NO	1.000	1.001	52.0	104	NO
18	1,2,3,4,6,7,8-HpCDF	1.73e5	3.77e5	1.04	1.02	NO	0.8734	37.34	37.32	NO	1.001	1.000	52.5	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.35e5	2.58e5	1.04	1.00	NO	1.9128	39.27	39.28	NO	1.000	1.000	52.0	104	NO
17	OCDF	2.78e5	6.78e5	0.80	0.87	NO	0.8085	41.91	41.91	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	7.48e5	6.44e5	0.77	0.78	NO	1.1563	28.46	28.44	NO	1.026	1.026	100	100	NO
19	13C-1,2,3,7,8-PeCDD	5.02e5	6.44e5	0.83	0.85	NO	0.8480	31.64	31.42	NO	1.227	1.219	91.8	91.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.54e5	5.04e5	1.24	1.29	NO	0.7780	34.80	34.79	NO	1.014	1.014	90.1	90.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.48e5	5.04e5	1.24	1.27	NO	1.0187	34.91	34.90	NO	1.017	1.017	87.6	87.6	NO



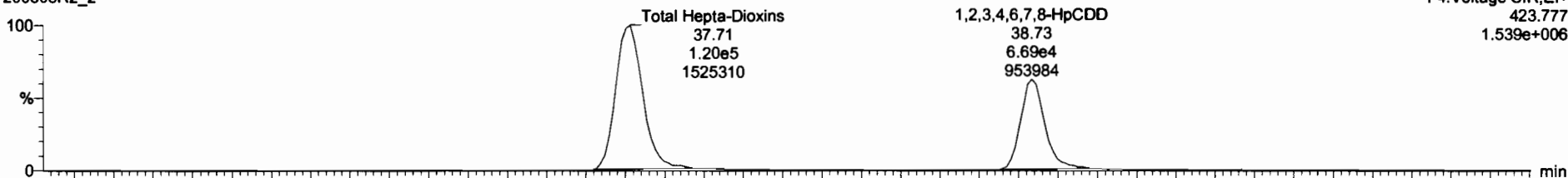
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Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

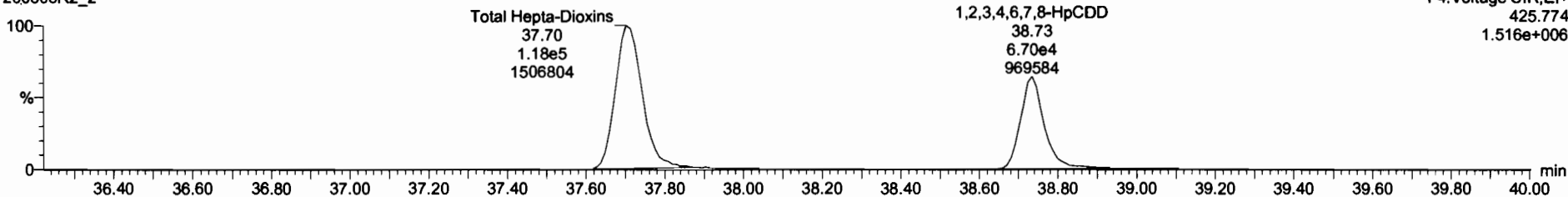
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1,2,3,4,6,7,8-HpCDD

200608R2_2

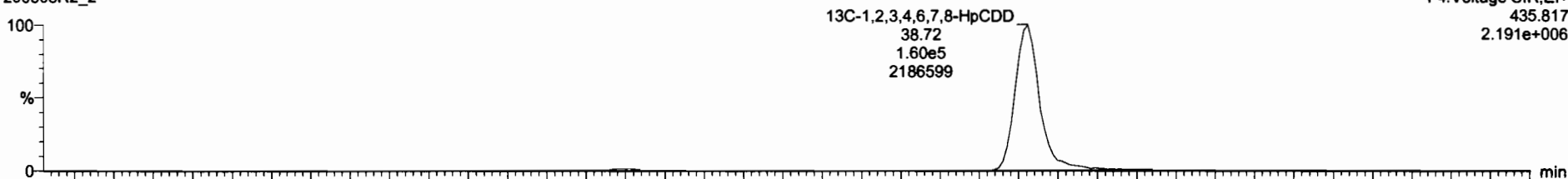


200608R2_2

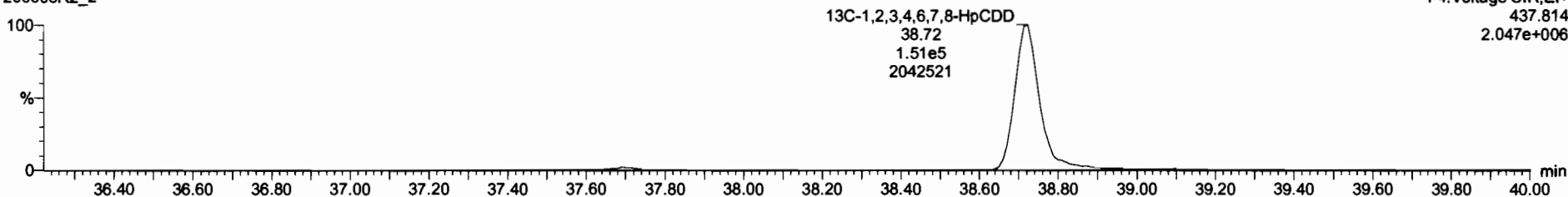


13C-1,2,3,4,6,7,8-HpCDD

200608R2_2



200608R2_2



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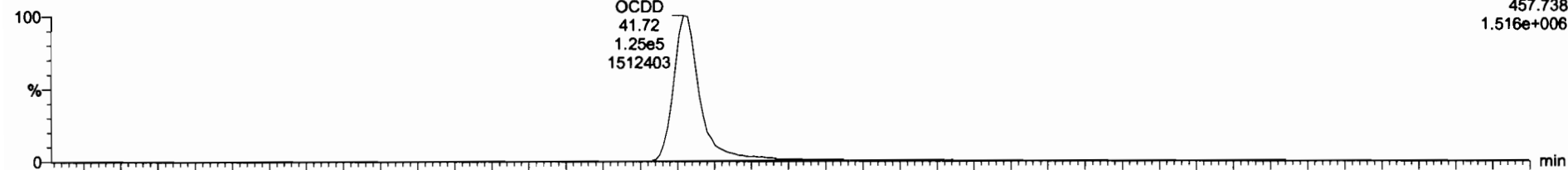
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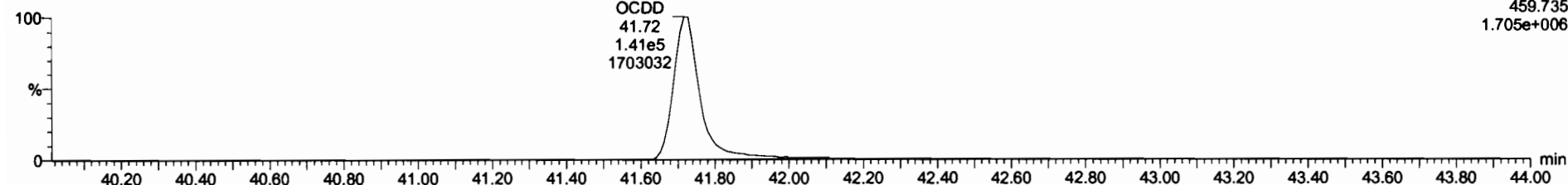
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OCDD

200608R2_2

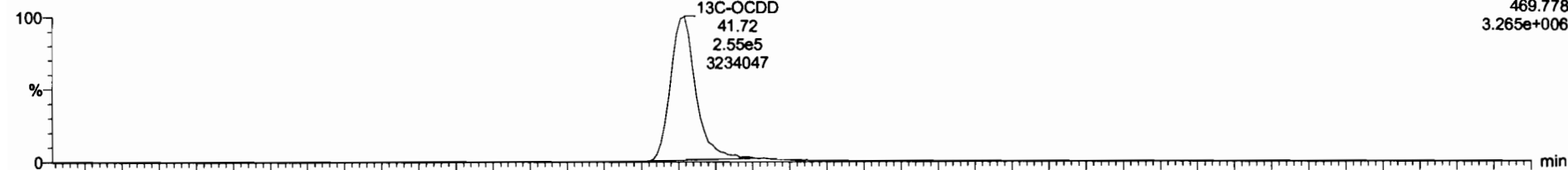


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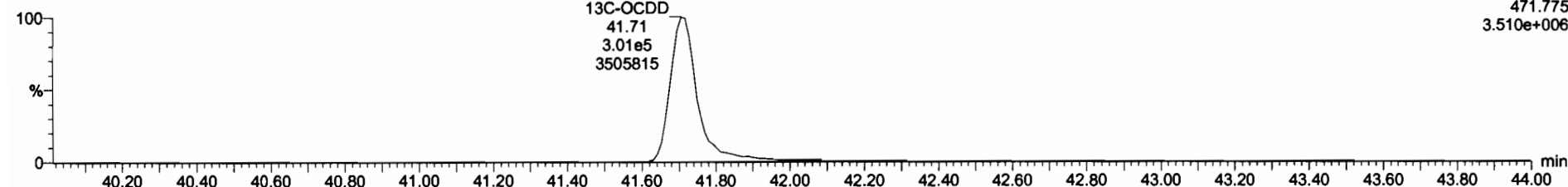


13C-OCDD

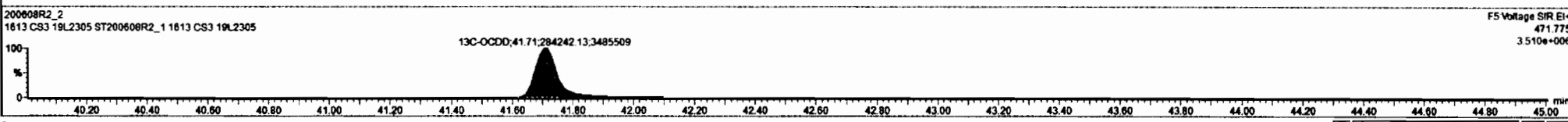
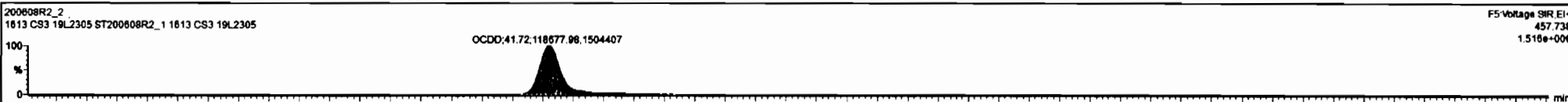
200608R2_2



200608R2_2



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2	1,2,3,7,8-PeCDD	2.24e5	5.82e5	0.83	0.82	NO	0.9081	31.44	31.44	NO	1.001	1.000	49.2	98.4	NO
3	1,2,3,4,7,8-HxCDD	1.84e5	3.54e5	1.24	1.25	NO	1.8334	34.80	34.80	NO	1.000	1.000	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	2.02e5	4.49e5	1.24	1.25	NO	0.8823	34.90	34.91	NO	1.000	1.000	50.5	101	NO
5	1,2,3,7,8,9-HxCDD	1.77e5	4.01e5	1.24	1.25	NO	0.8889	35.20	35.20	NO	1.000	1.000	49.9	99.7	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.11e5	1.04	1.00	NO	0.8638	38.74	38.73	NO	1.000	1.000	49.9	99.7	NO
8	2,3,7,8-TCDF	7.71e4	1.62e6	0.77	0.74	NO	0.7510	25.57	25.56	NO	1.001	1.001	10.0	100	NO
9	1,2,3,7,8-PeCDF	3.58e5	8.01e5	1.55	1.50	NO	0.8825	30.14	30.14	NO	1.001	1.001	50.2	100	NO
10	2,3,4,7,8-PeCDF	3.98e5	7.88e5	1.56	1.57	NO	0.9348	31.15	31.13	NO	1.001	1.000	49.8	99.6	NO
11	1,2,3,4,7,8-HxCDF	2.30e5	5.06e5	1.24	1.19	NO	0.8845	33.82	33.83	NO	1.000	1.000	51.5	103	NO
12	1,2,3,6,7,8-HxCDF	2.84e5	5.88e5	1.24	1.20	NO	0.8882	34.05	34.06	NO	1.000	1.001	50.5	101	NO
13	2,3,4,6,7,8-HxCDF	2.45e5	5.11e5	1.24	1.20	NO	0.9341	34.68	34.64	NO	1.001	1.001	51.3	103	NO
14	1,2,3,7,8,9-HxCDF	1.83e5	4.05e5	1.24	1.21	NO	0.8707	35.54	35.56	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.73e5	3.77e5	1.04	1.02	NO	0.8734	37.34	37.32	NO	1.001	1.000	52.0	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.35e5	2.58e5	1.04	1.00	NO	1.0128	39.27	39.28	NO	1.000	1.000	52.0	104	NO
17	OCDF	2.78e5	6.78e5	0.80	0.87	NO	0.8085	41.91	41.91	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	7.46e5	8.44e5	0.77	0.78	NO	1.1563	26.46	26.44	NO	1.026	1.026	100	100	NO
19	13C-1,2,3,7,8-PeCDD	5.02e5	8.44e5	0.83	0.85	NO	0.9480	31.64	31.42	NO	1.227	1.219	91.8	91.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.54e5	5.04e5	1.24	1.29	NO	0.7790	34.80	34.79	NO	1.014	1.014	90.1	90.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.49e5	5.04e5	1.24	1.27	NO	1.0187	34.91	34.90	NO	1.017	1.017	87.6	87.6	NO



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Last Altered: Tuesday, June 09, 2020 07:30:07 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

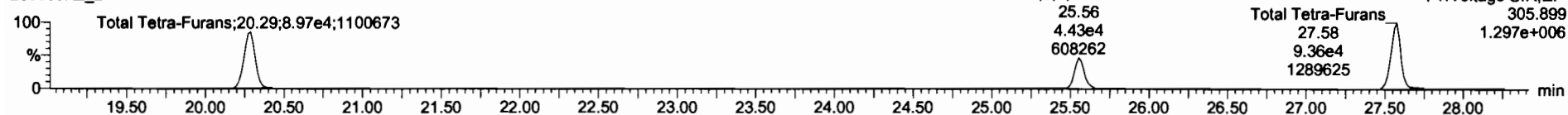
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2,3,7,8-TCDF

200608R2_2

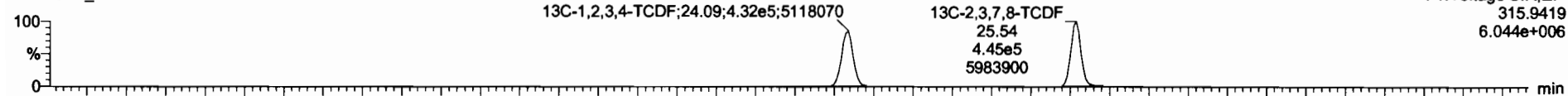


200608R2_2

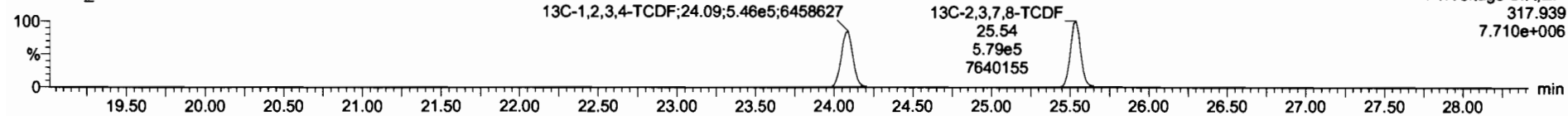


13C-2,3,7,8-TCDF

200608R2_2

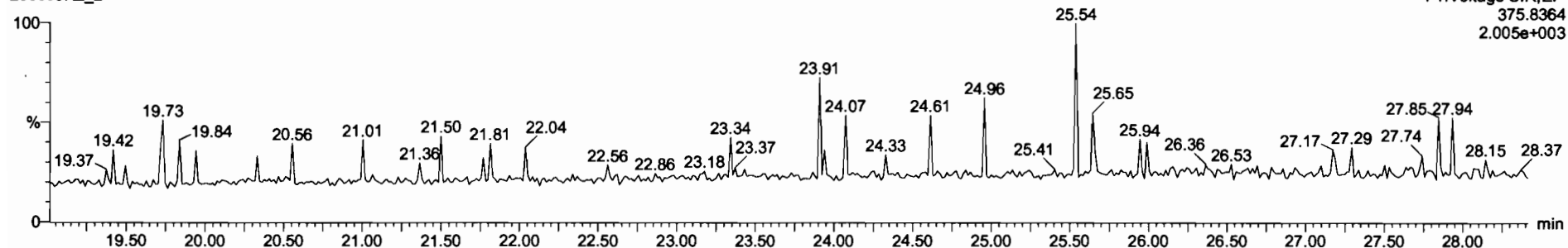


200608R2_2



DPE1

200608R2_2



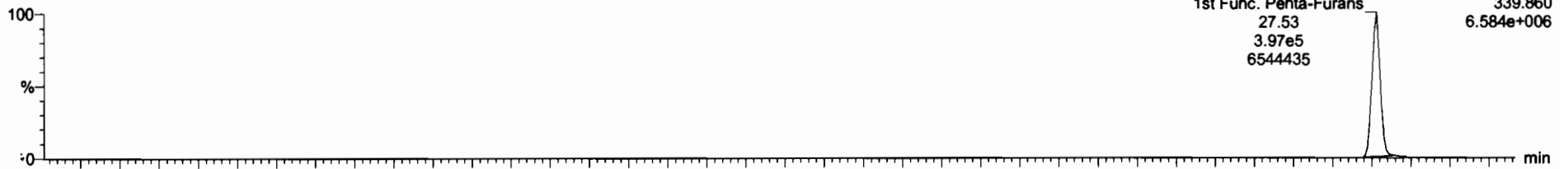
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Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

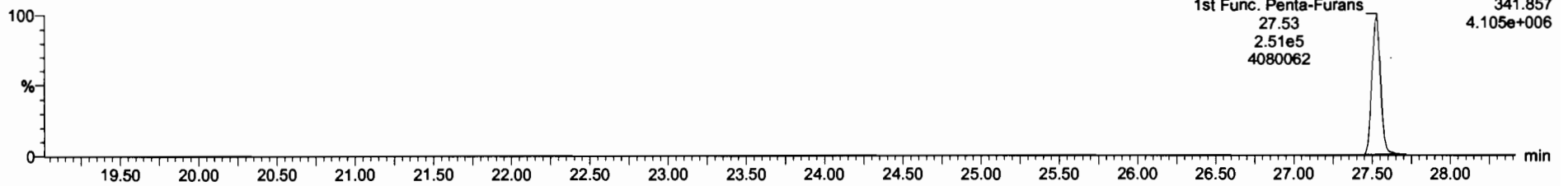
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1st Func. Penta-Furans

200608R2_2

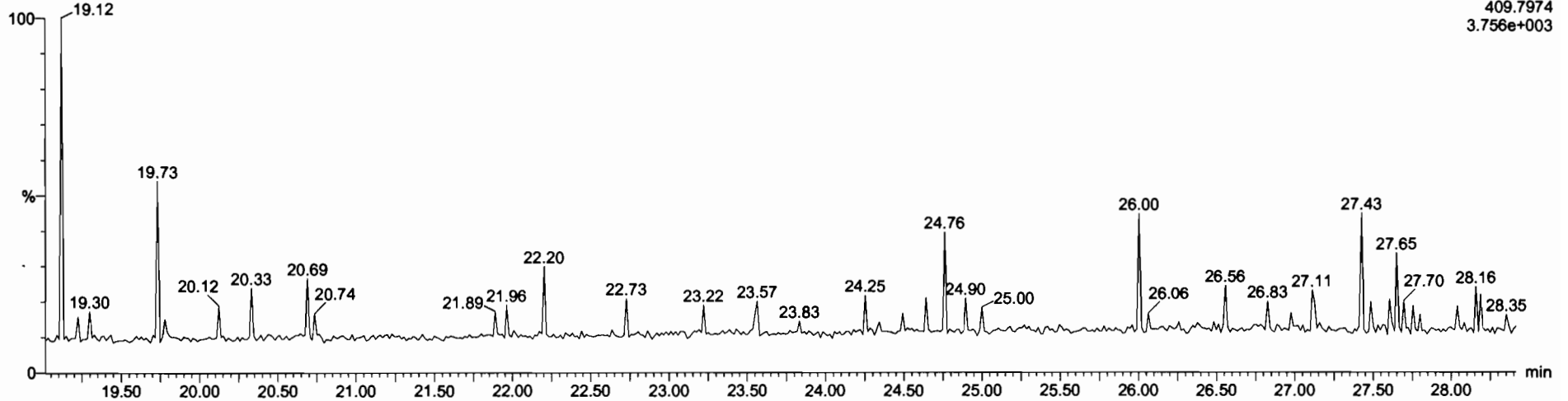


200608R2_2



DPE6

200608R2_2



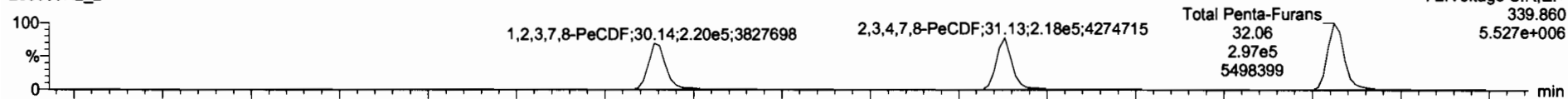
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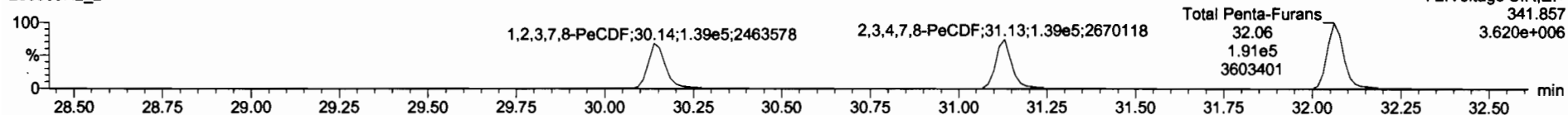
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1,2,3,7,8-PeCDF

200608R2_2

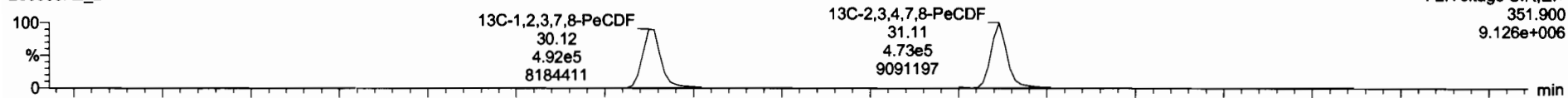


200608R2_2

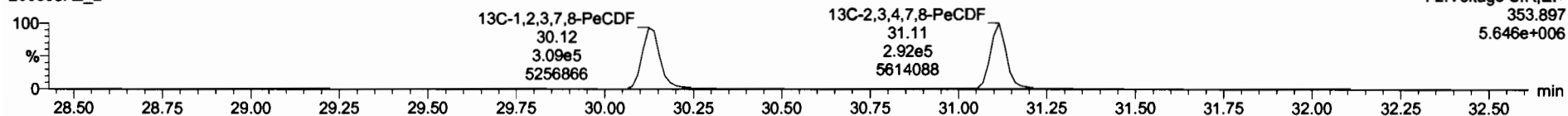


13C-1,2,3,7,8-PeCDF

200608R2_2

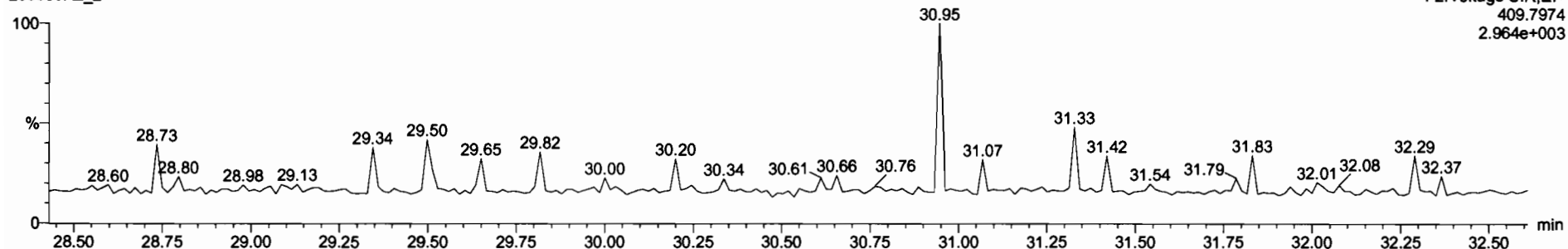


200608R2_2



DPE2

200608R2_2

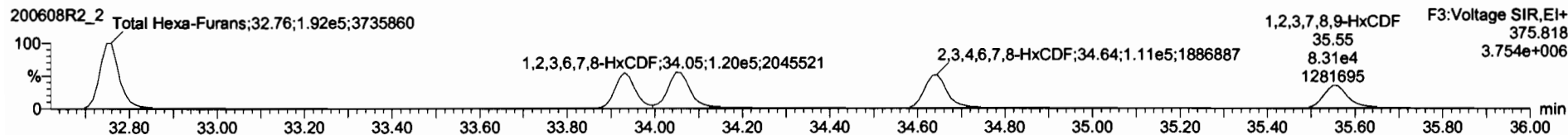
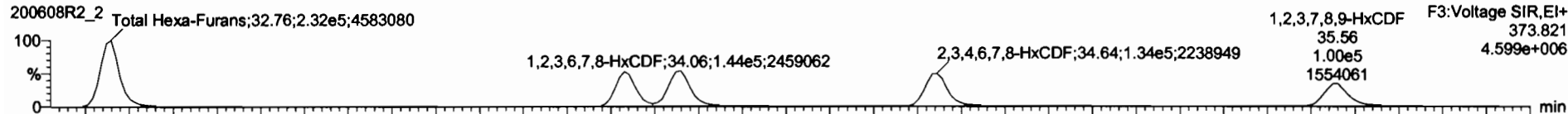


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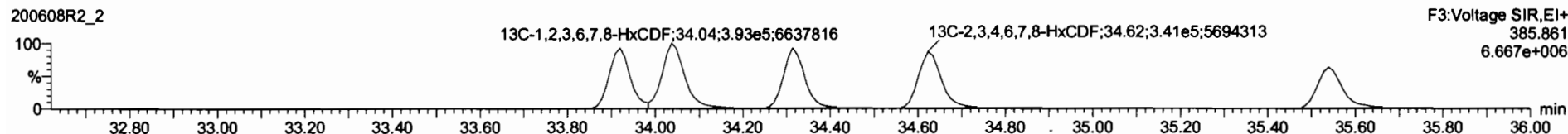
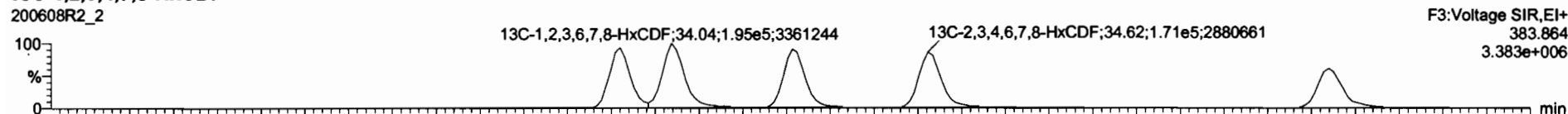
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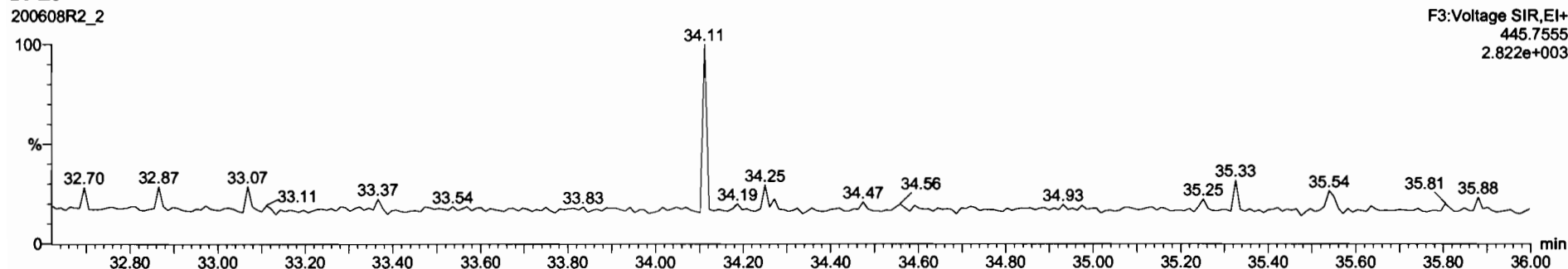
1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: Untitled

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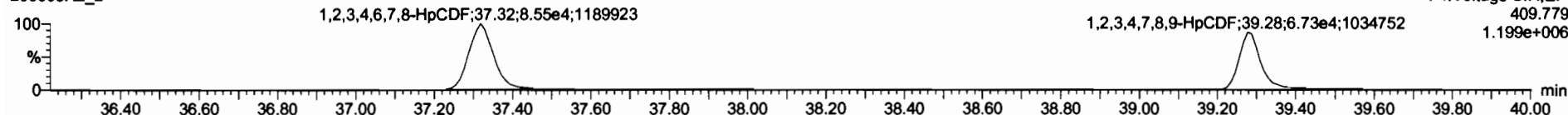
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1,2,3,4,6,7,8-HpCDF

200608R2_2

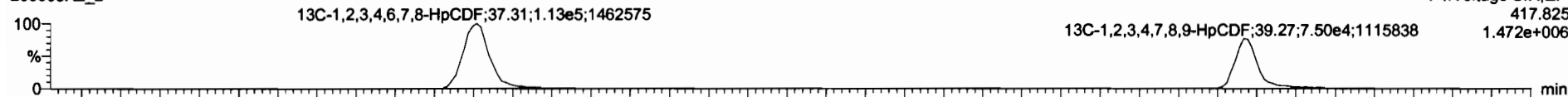


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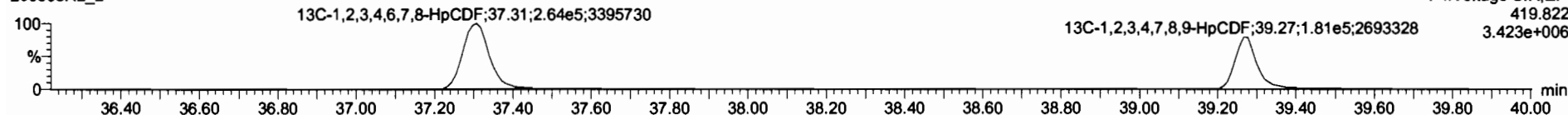


13C-1,2,3,4,6,7,8-HpCDF

200608R2_2

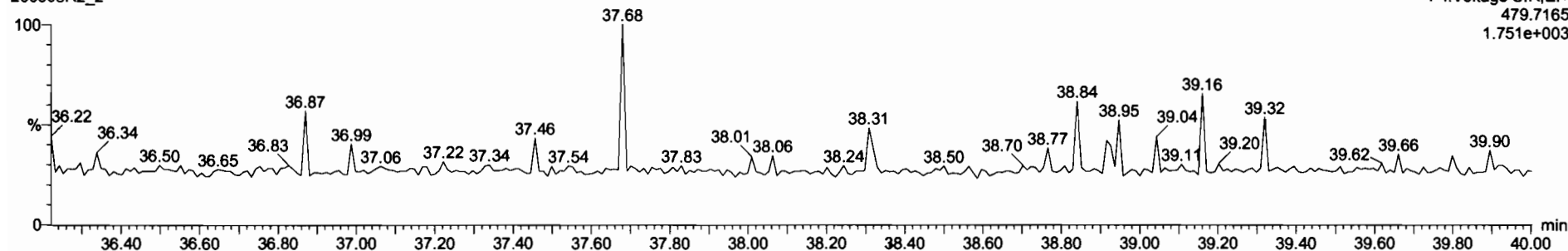


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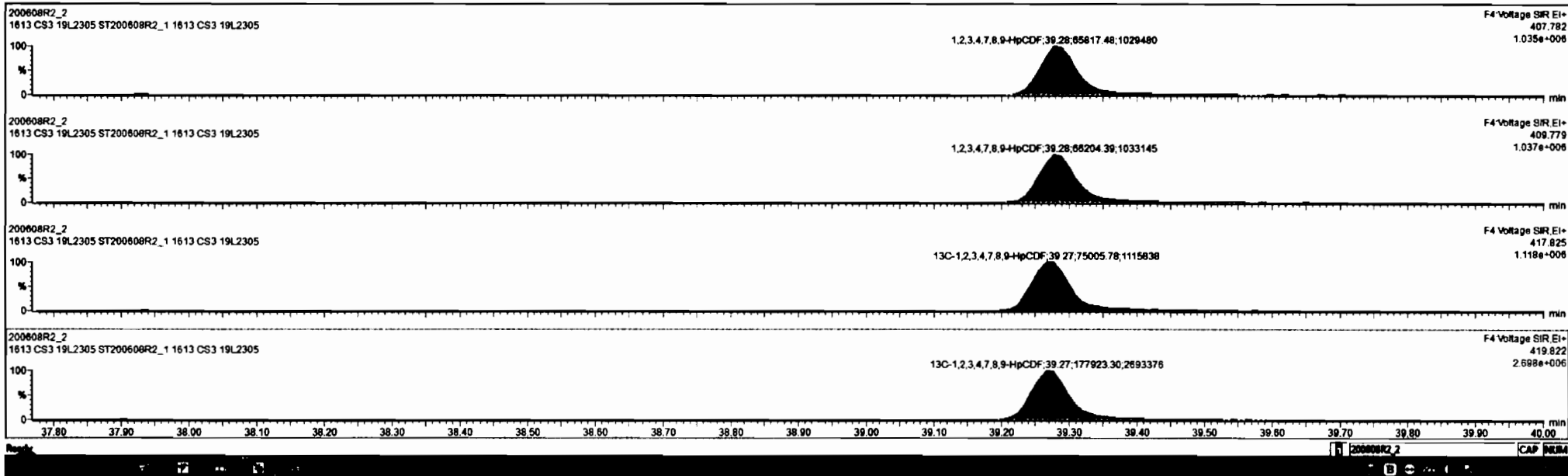


DPE4

200608R2_2



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2	1,2,3,7,8-PeCDD	2.24e5	5.82e5	0.83	0.82	NO	0.9081	31.44	31.44	NO	1.001	1.000	49.2	98.4	NO
3	1,2,3,4,7,8-HxCDD	1.84e5	3.54e5	1.24	1.25	NO	1.0334	34.80	34.80	NO	1.000	1.000	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	2.02e5	4.49e5	1.24	1.25	NO	0.8823	34.90	34.91	NO	1.000	1.000	50.5	101	NO
5	1,2,3,7,8,9-HxCDD	1.77e5	4.91e5	1.24	1.25	NO	0.8889	35.20	35.20	NO	1.000	1.000	49.9	99.7	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.11e5	1.94	1.00	NO	0.8839	38.74	38.73	NO	1.000	1.000	49.9	99.7	NO
7	OCDD	2.51e5	5.38e5	0.80	0.80	NC	0.9138	41.72	41.72	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	7.71e4	1.02e5	0.77	0.74	NO	0.7510	25.57	25.56	NO	1.001	1.001	10.0	100	NO
9	1,2,3,7,8-PeCDF	3.59e5	8.01e5	1.55	1.58	NO	0.8925	30.14	30.14	NO	1.001	1.001	50.2	100	NO
10	2,3,4,7,8-PeCDF	3.98e5	7.89e5	1.56	1.57	NO	0.9348	31.15	31.13	NO	1.001	1.000	49.8	99.8	NO
11	1,2,3,4,7,8-HxCDF	2.30e5	5.08e5	1.24	1.19	NO	0.8945	33.92	33.93	NO	1.000	1.000	51.5	103	NO
12	1,2,3,6,7,8-HxCDF	2.04e5	5.88e5	1.24	1.20	NO	0.8882	34.05	34.08	NO	1.000	1.001	50.5	101	NO
13	2,3,4,6,7,8-HxCDF	2.45e5	5.11e5	1.24	1.20	NO	0.9341	34.88	34.84	NO	1.001	1.001	51.3	103	NO
14	1,2,3,7,8,9-HxCDF	1.83e5	4.05e5	1.24	1.21	NO	0.8707	35.54	35.56	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.73e5	3.77e5	1.94	1.02	NO	0.8734	37.34	37.32	NO	1.001	1.000	52.5	105	NO
17	OCDF	2.78e5	6.79e5	0.80	0.87	NO	0.8895	41.91	41.91	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	7.46e5	8.44e5	0.77	0.78	NO	1.1563	28.46	28.44	NO	1.028	1.028	100	100	NO
19	13C-1,2,3,7,8-PeCDD	5.02e5	8.44e5	0.83	0.85	NO	0.8480	31.64	31.42	NO	1.227	1.219	91.8	91.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.54e5	5.04e5	1.24	1.29	NO	0.7790	34.80	34.79	NO	1.014	1.014	90.1	90.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.49e5	5.94e5	1.24	1.27	NO	1.0187	34.91	34.90	NO	1.017	1.017	87.6	87.6	NO



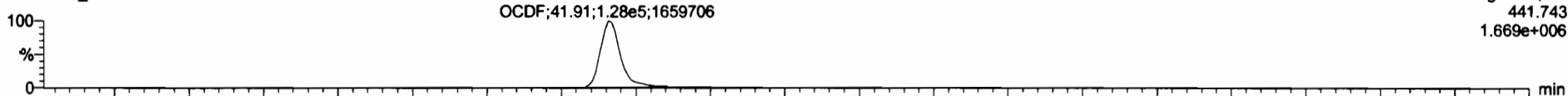
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Last Altered: Tuesday, June 09, 2020 07:30:07 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

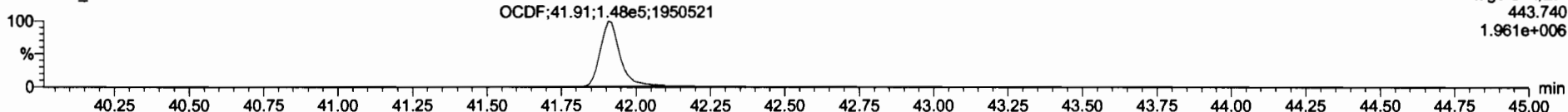
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OCDF

200608R2_2

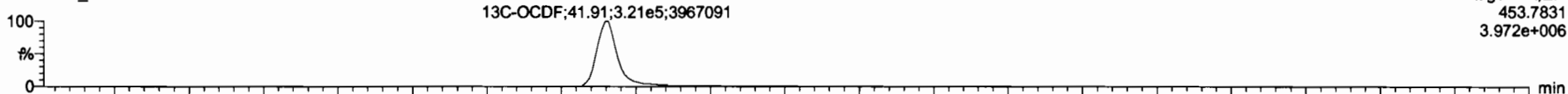


200608R2_2

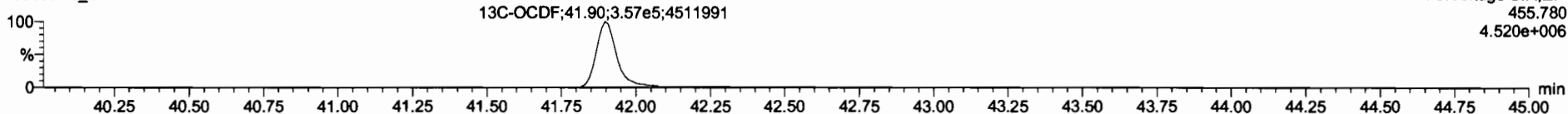


13C-OCDF

200608R2_2

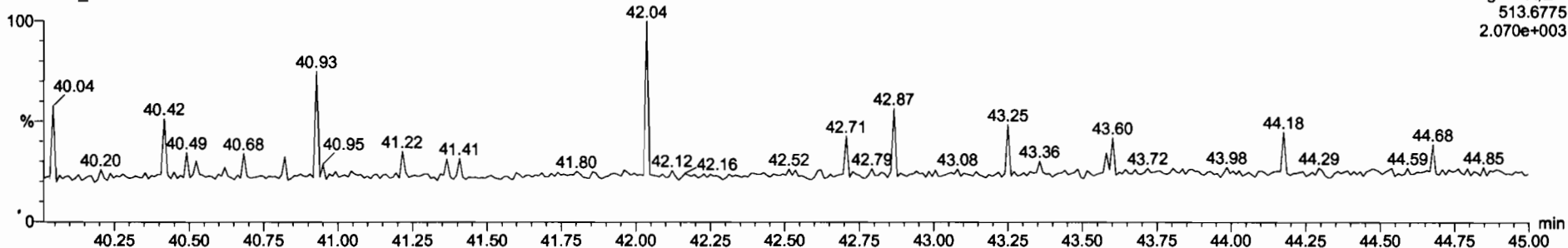


200608R2_2



DPE5

200608R2_2

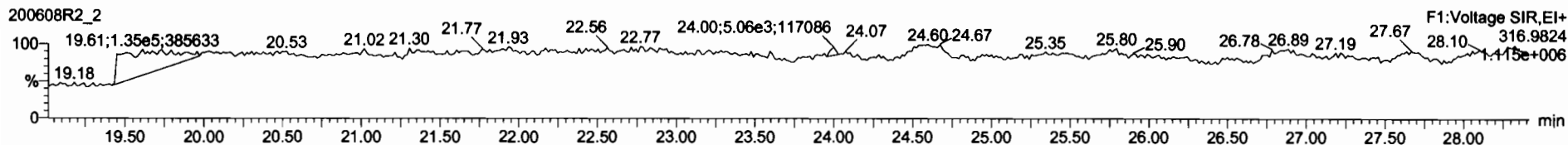


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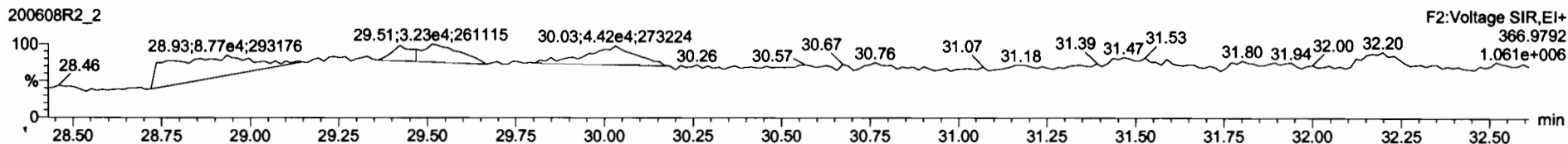
Last Altered: Tuesday, June 09, 2020 07:30:07 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

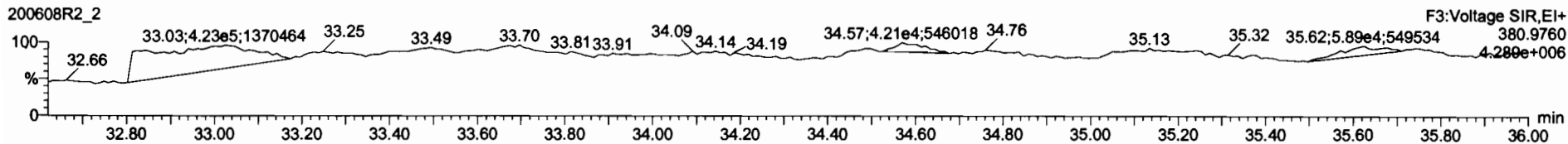
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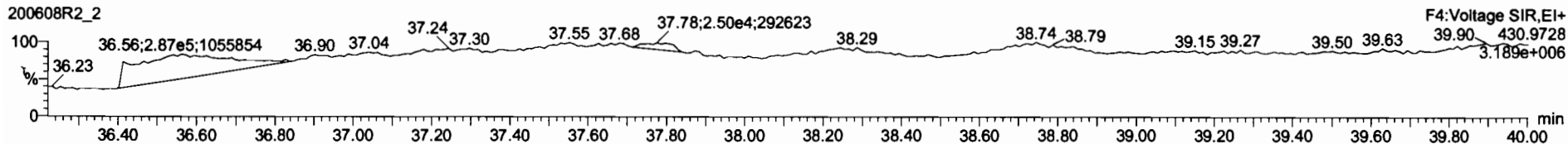
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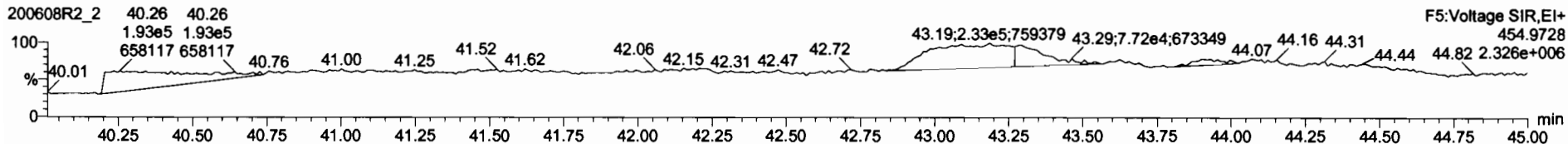
PFK3



PFK4

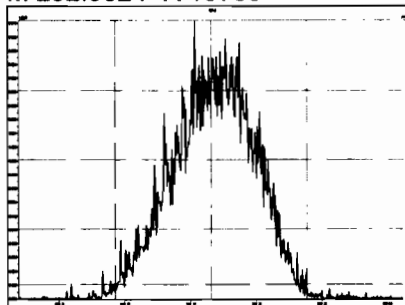


PFK5

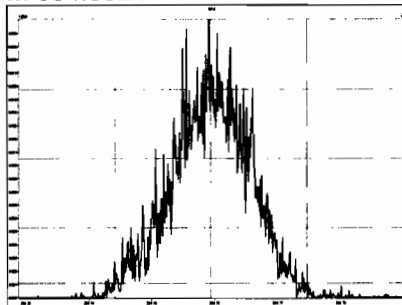


Printed: Tuesday, June 09, 2020 09:36:46 Pacific Daylight Time

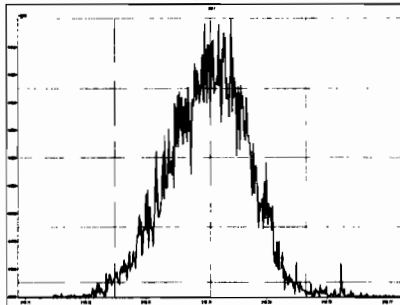
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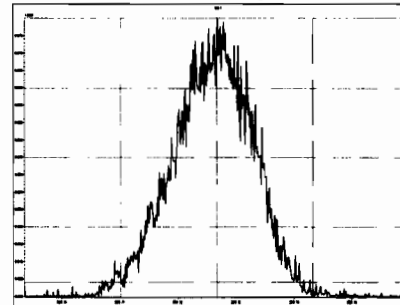
M 304.9824 R 11162



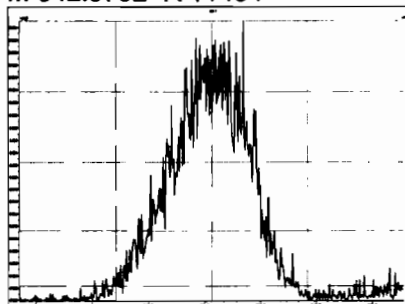
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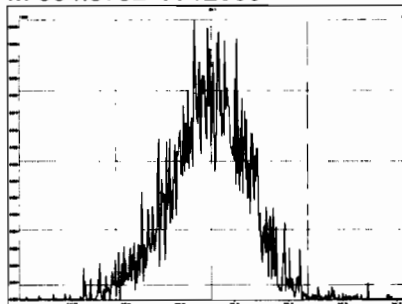
M 330.9792 R 11293



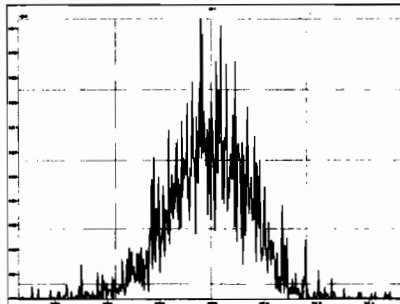
M 342.9792 R 11434



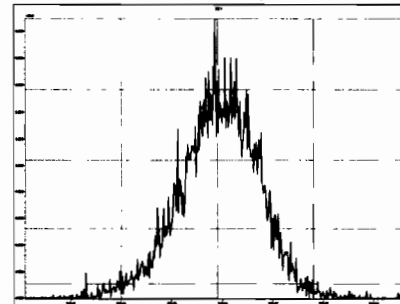
M 354.9792 R 12059



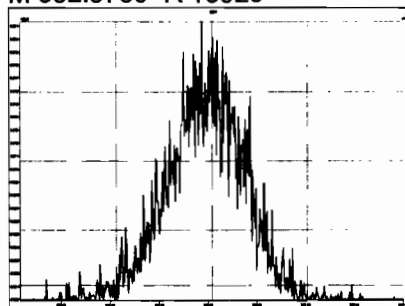
M 366.9792 R 13079



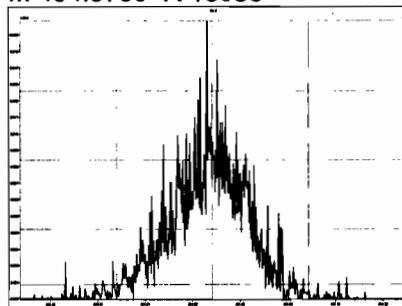
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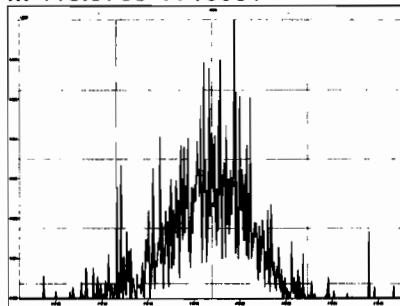
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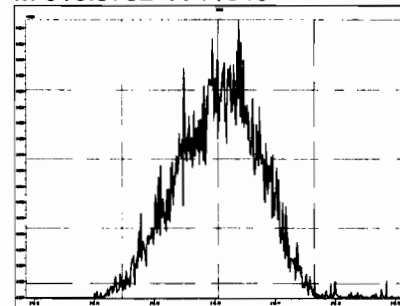
M 404.9760 R 13088



M 416.9760 R 18561

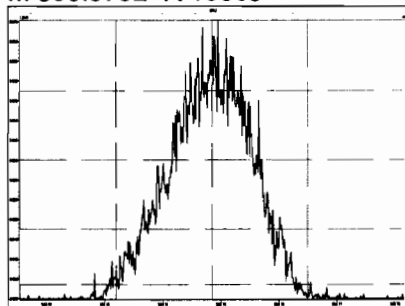


M 318.9792 R 11043

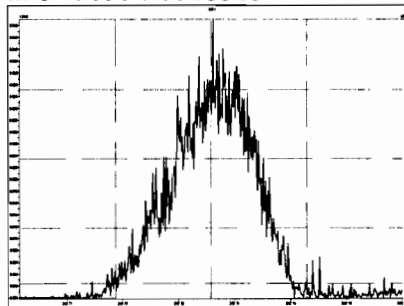


Printed: Tuesday, June 09, 2020 09:36:46 Pacific Daylight Time

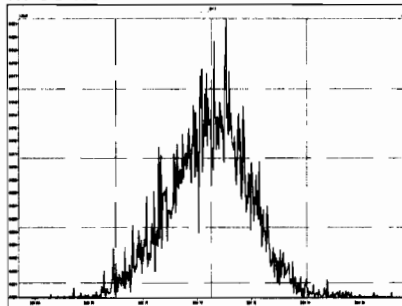
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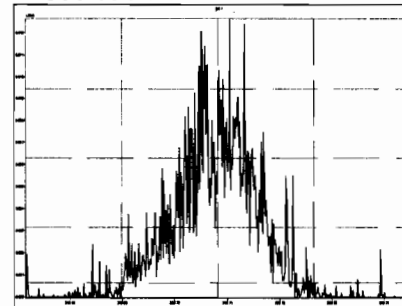
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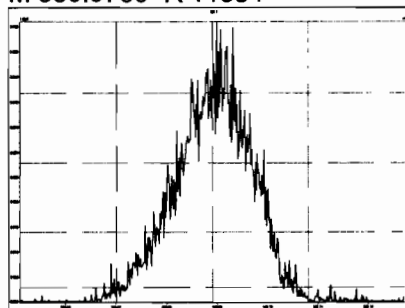
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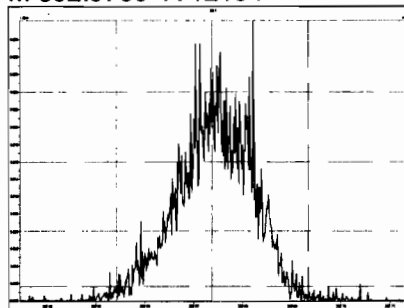
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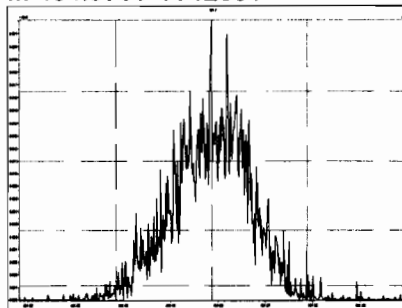
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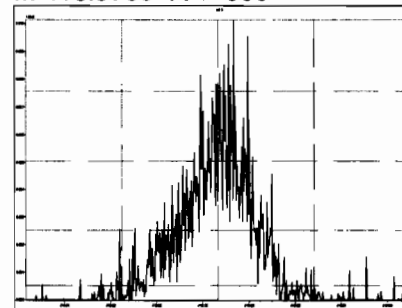
M 392.9760 R 12194



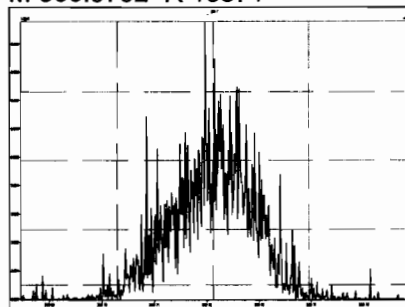
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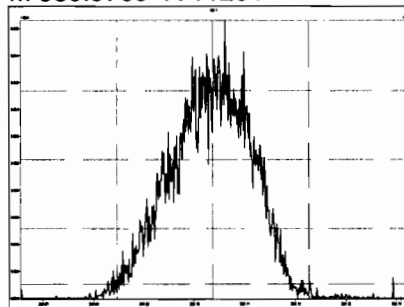
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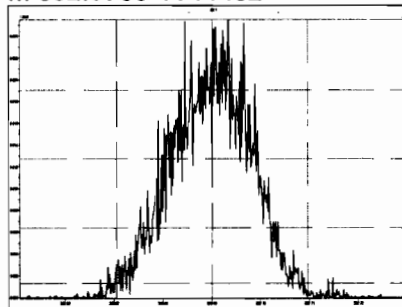
M 366.9792 R 13871



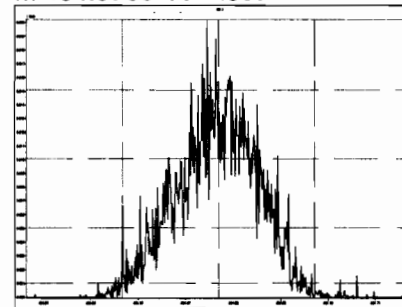
M 380.9760 R 11261



M 392.9760 R 11482

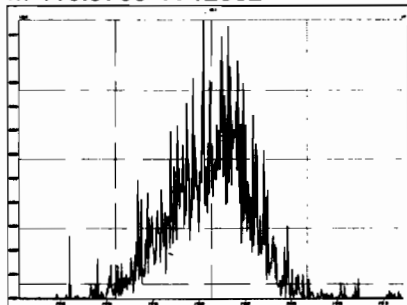


M 404.9760 R 12087

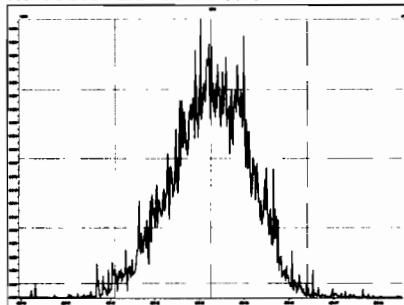


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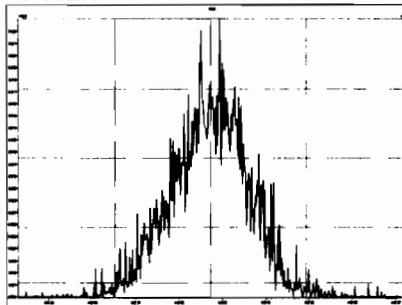
M 416.9760 R 12582



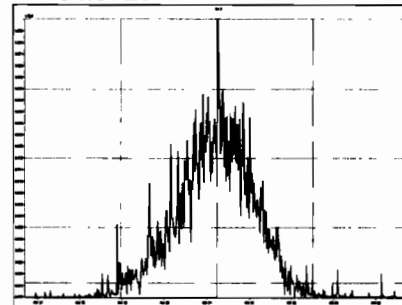
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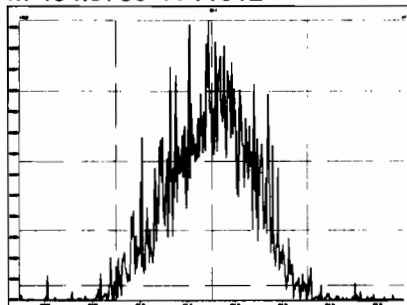
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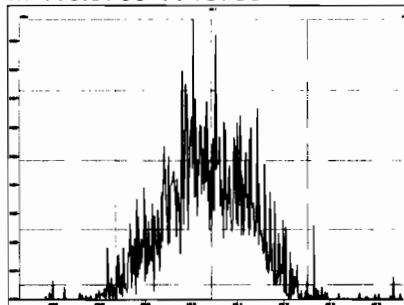
M 454.9728 R 13160



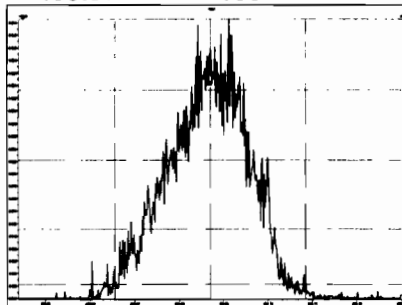
M 404.9760 R 11312



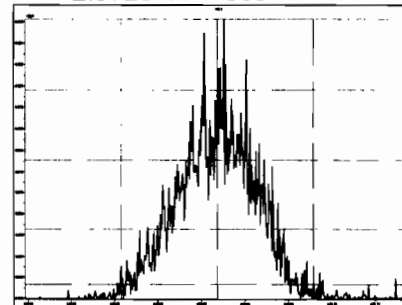
M 416.9760 R 13753



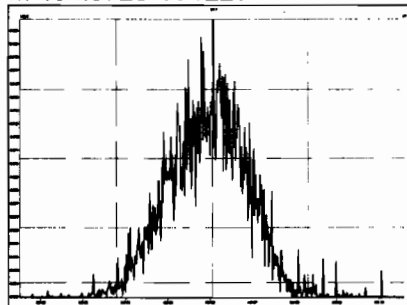
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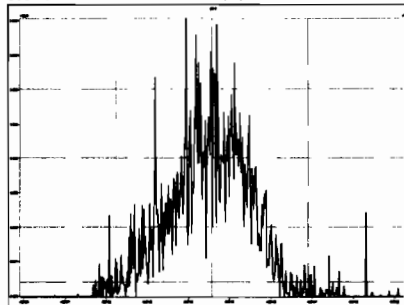
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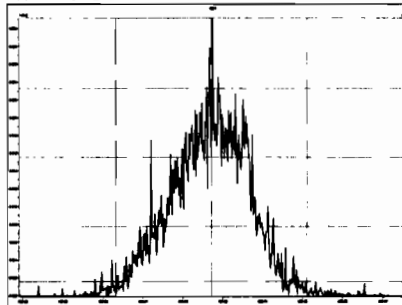
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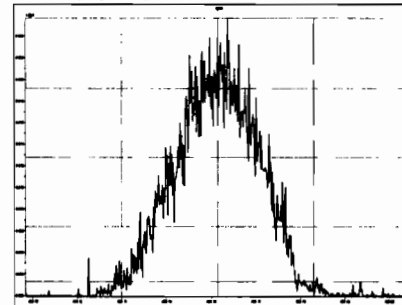
M 466.9728 R 15957



M 480.9696 R 12345

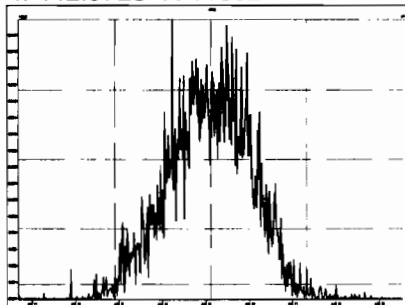


M 430.9728 R 11600

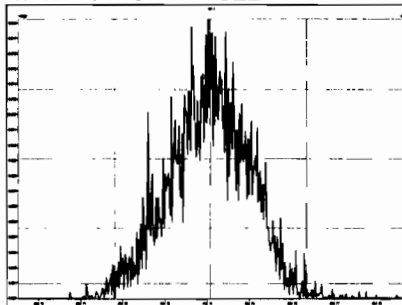


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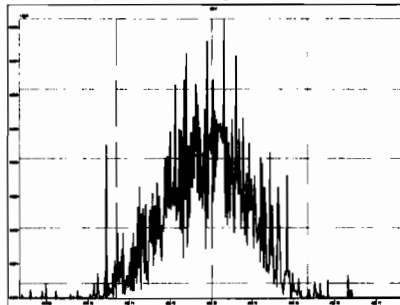
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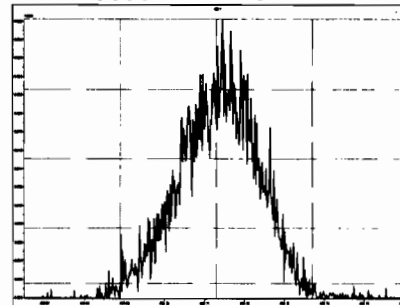
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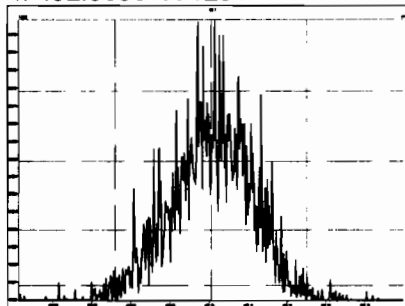
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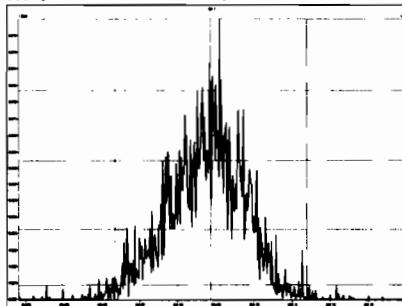
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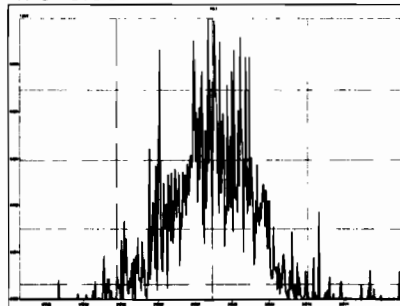
M 492.9696 R 12811



M 504.9696 R 13561



M 516.9697 R 15163



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200609R1-1

Reviewed By: CLT 06/10/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox" value="NA"/>	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input type="checkbox" value="NA"/>	
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:	<div style="height: 150px;"></div>	
Correct ICAL referenced?	<u>GRB</u>	<u> </u>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox" value="V"/>			
- Samples within 12 hour clock?	<input checked="" type="checkbox" value="Y"/>	<input type="checkbox" value="N"/>			
- Bottle position verified?	<u>GRB</u>				

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-1.qld

Last Altered: Tuesday, June 09, 2020 15:48:48 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:49:12 Pacific Daylight Time

GPO 06/09/2020

CT 06/10/2020

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

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_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	6.69e4	7.76e5	0.77	NO	0.888	26.47	26.47	NO	1.001	1.001	9.7019	97.0	NO
2	2 1,2,3,7,8-PeCDD	2.54e5	5.73e5	0.62	NO	0.908	31.44	31.43	NO	1.001	1.000	48.820	97.6	NO
3	3 1,2,3,4,7,8-HxCDD	2.09e5	3.88e5	1.24	NO	1.03	34.80	34.80	NO	1.000	1.000	52.134	104	NO
4	4 1,2,3,6,7,8-HxCDD	2.21e5	5.08e5	1.25	NO	0.892	34.89	34.91	NO	1.000	1.001	48.713	97.4	NO
5	5 1,2,3,7,8,9-HxCDD	1.98e5	4.50e5	1.25	NO	0.887	35.19	35.19	NO	1.000	1.000	49.568	99.1	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.65e5	3.76e5	1.02	NO	0.864	38.72	38.72	NO	1.000	1.000	50.921	102	NO
7	7 OCDD	2.73e5	5.63e5	0.90	NO	0.914	41.69	41.71	NO	1.000	1.000	105.99	106	NO
8	8 2,3,7,8-TCDF	7.75e4	1.06e6	0.74	NO	0.751	25.57	25.57	NO	1.001	1.001	9.7592	97.6	NO
9	9 1,2,3,7,8-PeCDF	3.61e5	8.20e5	1.60	NO	0.893	30.14	30.15	NO	1.001	1.001	49.333	98.7	NO
10	10 2,3,4,7,8-PeCDF	4.01e5	8.45e5	1.58	NO	0.935	31.15	31.13	NO	1.001	1.000	50.741	101	NO
11	11 1,2,3,4,7,8-HxCDF	2.63e5	5.62e5	1.22	NO	0.884	33.91	33.93	NO	1.000	1.001	52.827	106	NO
12	12 1,2,3,6,7,8-HxCDF	2.89e5	6.30e5	1.23	NO	0.889	34.05	34.05	NO	1.000	1.000	51.542	103	NO
13	13 2,3,4,6,7,8-HxCDF	2.72e5	5.61e5	1.22	NO	0.934	34.66	34.63	NO	1.001	1.000	52.017	104	NO
14	14 1,2,3,7,8,9-HxCDF	2.01e5	4.43e5	1.21	NO	0.871	35.54	35.55	NO	1.000	1.000	52.022	104	NO
15	15 1,2,3,4,6,7,8-HpCDF	2.17e5	4.69e5	1.03	NO	0.873	37.34	37.32	NO	1.001	1.000	52.918	106	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.45e5	2.73e5	1.01	NO	1.01	39.26	39.27	NO	1.000	1.000	52.294	105	NO
17	17 OCDF	2.72e5	6.43e5	0.87	NO	0.806	41.89	41.90	NO	1.000	1.000	104.72	105	NO
18	18 13C-2,3,7,8-TCDD	7.76e5	6.44e5	0.77	NO	1.16	26.46	26.44	NO	1.026	1.026	104.29	104	NO
19	19 13C-1,2,3,7,8-PeCDD	5.73e5	6.44e5	0.64	NO	0.849	31.64	31.42	NO	1.227	1.219	104.85	105	NO
20	20 13C-1,2,3,4,7,8-HxCDD	3.88e5	5.47e5	1.27	NO	0.779	34.80	34.79	NO	1.014	1.014	91.074	91.1	NO
21	21 13C-1,2,3,6,7,8-HxCDD	5.08e5	5.47e5	1.26	NO	1.02	34.91	34.89	NO	1.017	1.017	91.480	91.5	NO
22	22 13C-1,2,3,7,8,9-HxCDD	4.50e5	5.47e5	1.26	NO	0.903	35.18	35.18	NO	1.025	1.025	91.190	91.2	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.76e5	5.47e5	1.06	NO	0.689	38.70	38.71	NO	1.128	1.128	99.723	99.7	NO
24	24 13C-OCDD	5.63e5	5.47e5	0.88	NO	0.652	41.72	41.69	NO	1.216	1.215	158.08	79.0	NO
25	25 13C-2,3,7,8-TCDF	1.06e6	1.01e6	0.77	NO	1.06	25.50	25.54	NO	0.989	0.991	98.534	98.5	NO
26	26 13C-1,2,3,7,8-PeCDF	8.20e5	1.01e6	1.54	NO	0.838	30.02	30.12	NO	1.165	1.168	96.548	96.5	NO
27	27 13C-2,3,4,7,8-PeCDF	8.45e5	1.01e6	1.63	NO	0.817	30.97	31.11	NO	1.202	1.207	102.15	102	NO
28	28 13C-1,2,3,4,7,8-HxCDF	5.62e5	5.47e5	0.50	NO	1.01	33.93	33.91	NO	0.989	0.988	102.05	102	NO
29	29 13C-1,2,3,6,7,8-HxCDF	6.30e5	5.47e5	0.49	NO	1.17	34.05	34.04	NO	0.992	0.992	98.780	98.8	NO
30	30 13C-2,3,4,6,7,8-HxCDF	5.61e5	5.47e5	0.50	NO	1.02	34.63	34.62	NO	1.009	1.009	100.37	100	NO
31	31 13C-1,2,3,7,8,9-HxCDF	4.43e5	5.47e5	0.51	NO	0.860	35.53	35.54	NO	1.035	1.036	94.323	94.3	NO

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-CPSM.qld

Last Altered: Tuesday, June 09, 2020 11:44:41 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 15:49:33 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

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

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.43
2	2 1,2,8,9-TCDD (Last)	27.43
3	3 1,2,4,7,9-PeCDD (First)	29.21
4	4 1,2,3,8,9-PeCDD (Last)	31.82
5	5 1,2,4,6,7,9-HxCDD (First)	33.30
6	6 1,2,3,7,8,9-HxCDD (Last)	35.19
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.71
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.72
9	9 1,3,6,8-TCDF (First)	20.29
10	10 1,2,8,9-TCDF (Last)	27.58
11	11 1,3,4,6,8-PeCDF (First)	27.53
12	12 1,2,3,8,9-PeCDF (Last)	32.06
13	13 1,2,3,4,6,8-HxCDF (First)	32.75
14	14 1,2,3,7,8,9-HxCDF (Last)	35.55
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.32
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.27

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-1.qld

Last Altered: Tuesday, June 09, 2020 15:48:48 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:49:12 Pacific Daylight Time

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.69e5	5.47e5	0.43	NO	0.774	37.27	37.31	NO	1.086	1.087	110.73	111	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.73e5	5.47e5	0.44	NO	0.521	39.30	39.26	NO	1.145	1.144	95.871	95.9	NO
34	34 13C-OCDF	6.43e5	5.47e5	0.88	NO	0.746	41.89	41.89	NO	1.221	1.221	157.78	78.9	NO
35	35 37Cl-2,3,7,8-TCDD	7.00e4	6.44e5			1.04	26.49	26.45	NO	1.028	1.026	10.493	105	NO
36	36 13C-1,2,3,4-TCDD	6.44e5	6.44e5	0.80	NO	1.00	25.89	25.78	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.01e6	1.01e6	0.79	NO	1.00	24.36	24.09	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	5.47e5	5.47e5	0.51	NO	1.00	34.42	34.31	NO	1.000	1.000	100.00	100	YES ^{OK}

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 07:20:40 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 07:20:53 Pacific Daylight Time

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

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

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

	Name	ID	Acq.Date	Acq.Time
1	200609R1_1	ST200609R1_1 1613 CS3 19L2305	09-Jun-20	10:57:02
2	200609R1_2	B0E0092-BS1 OPR 1	09-Jun-20	11:45:38
3	200609R1_3	B0E0102-BS1 OPR 1	09-Jun-20	12:31:50
4	200609R1_4	SOLVENT BLANK	09-Jun-20	13:18:44
5	200609R1_5	B0E0092-BLK1 Method Blank 1	09-Jun-20	14:04:56
6	200609R1_6	B0E0102-BLK1 Method Blank 1	09-Jun-20	14:51:06
7	200609R1_7	2000947-01 PDI-FB-2004261231 0.9811	09-Jun-20	15:37:22
8	200609R1_8	2000947-02 PDI-RB-2004261300 0.956	09-Jun-20	16:23:33
9	200609R1_9	2001037-01 PDI-FB-2005071044 1.05401	09-Jun-20	17:09:44
10	200609R1_10	2001037-02 PDI-RB-2005071052 1.04239	09-Jun-20	17:55:56
11	200609R1_11	2000982-01 EFF-001 COMP 0.8885	09-Jun-20	18:42:08
12	200609R1_12	2000983-01 RSW-001 0.869	09-Jun-20	19:28:19
13	200609R1_13	2000984-01 INF-001 COMP 0.82341	09-Jun-20	20:14:30
14	200609R1_14	2001020-01 LU03324 0.88952	09-Jun-20	21:00:44
15	200609R1_15	2001040-01 RSW-002A 0.91416	09-Jun-20	21:46:57
16	200609R1_16	2001046-01 New Well 0.9675	09-Jun-20	22:33:07

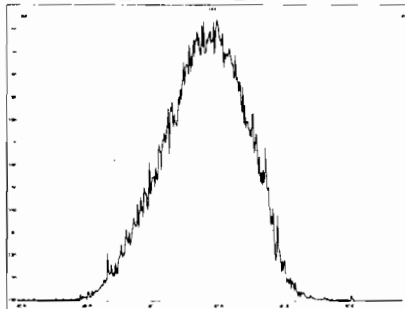
Experiment Calibration Report

MassLynx 4.1 SCN815

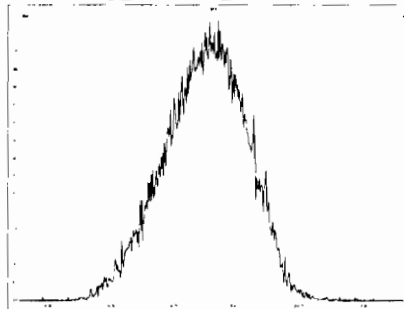
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, June 09, 2020 10:52:33 Pacific Daylight Time

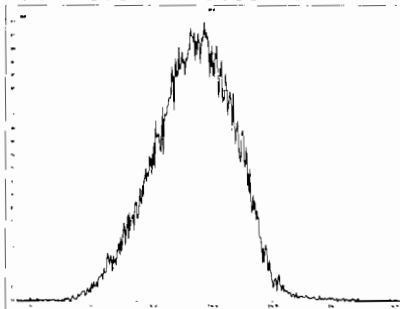
M 292.9824 R 10120



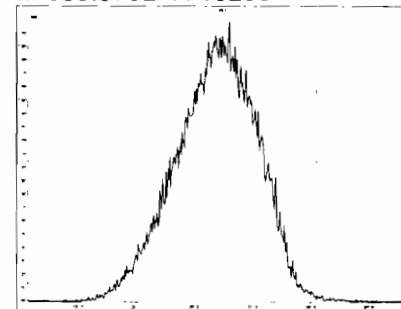
M 304.9824 R 10247



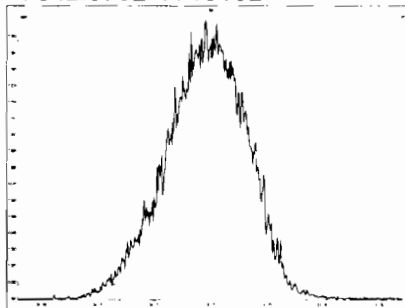
M 318.9792 R 10683



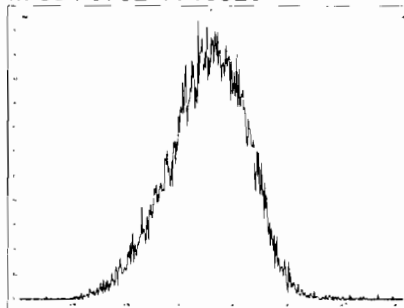
M 330.9792 R 10285



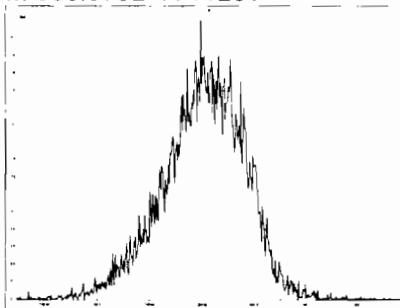
M 342.9792 R 10162



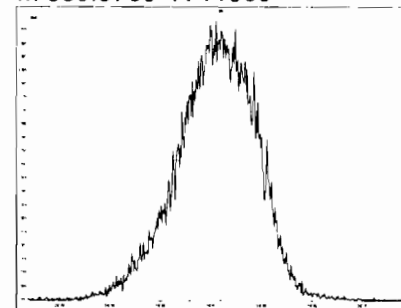
M 354.9792 R 10825



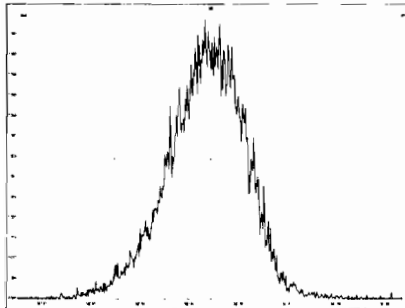
M 366.9792 R 11261



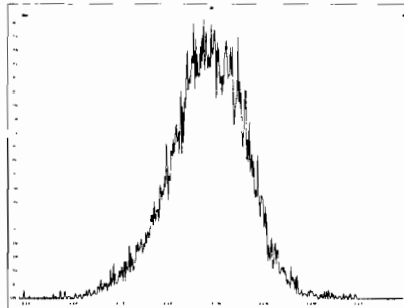
M 380.9760 R 11060



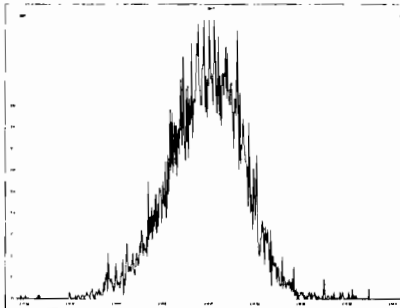
M 392.9760 R 10870



M 404.9760 R 10775



M 416.9760 R 11571



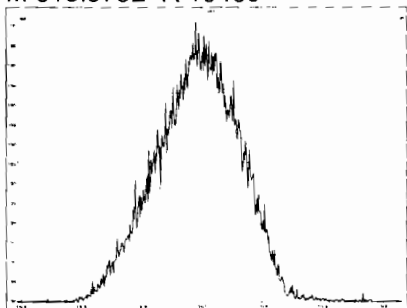
Experiment Calibration Report

MassLynx 4.1 SCN815

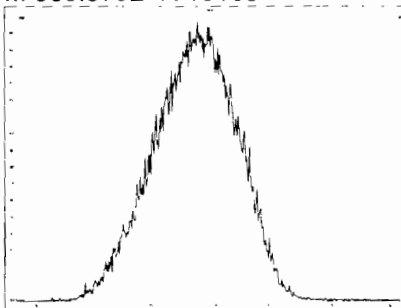
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, June 09, 2020 10:52:58 Pacific Daylight Time

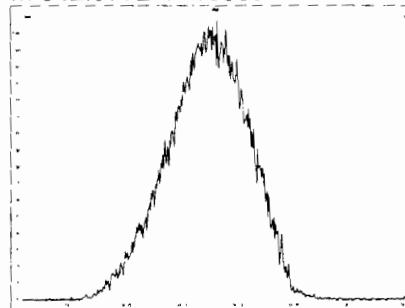
M 318.9792 R 10460



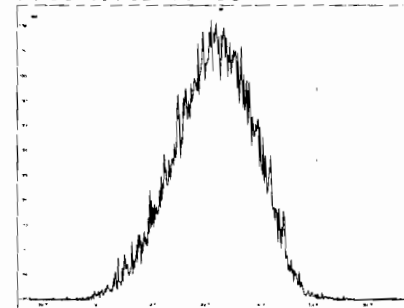
M 330.9792 R 10160



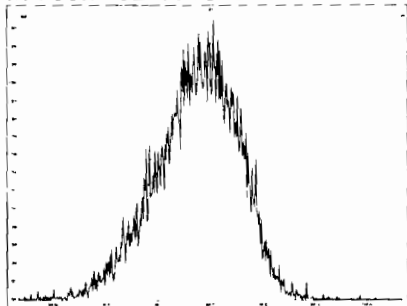
M 342.9792 R 10589



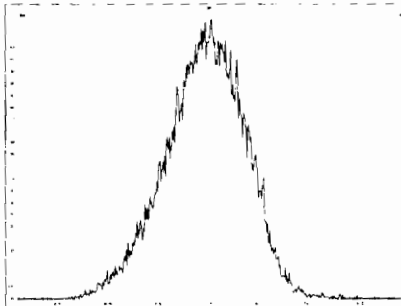
M 354.9792 R 10547



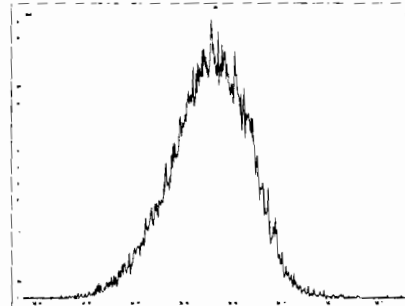
M 366.9792 R 10501



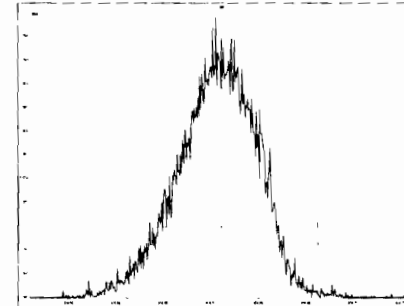
M 380.9760 R 10203



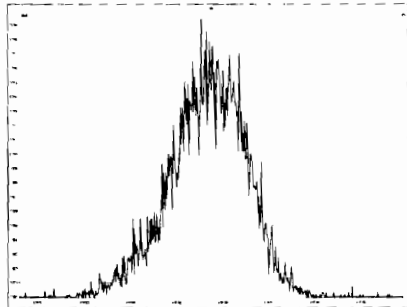
M 392.9760 R 10919



M 404.9760 R 10638



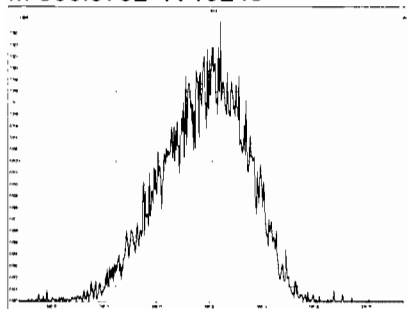
M 416.9760 R 11519



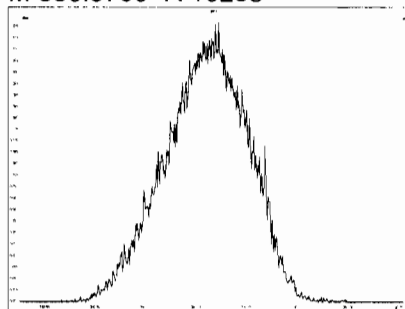
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, June 09, 2020 10:53:24 Pacific Daylight Time

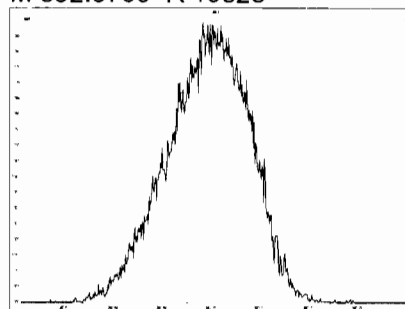
M 366.9792 R 10243



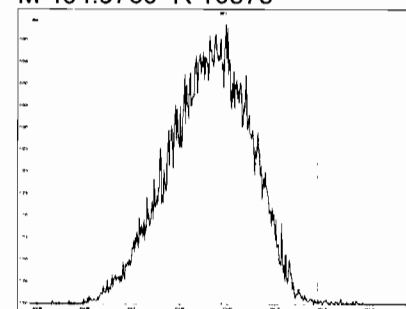
M 380.9760 R 10288



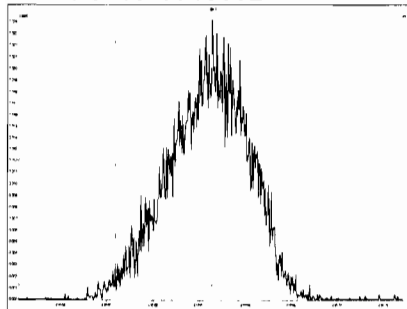
M 392.9760 R 10328



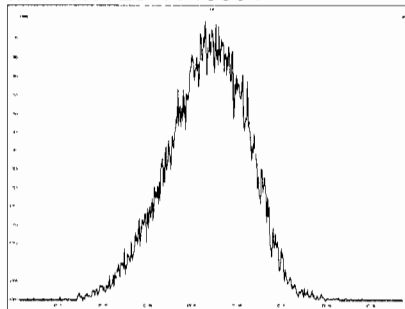
M 404.9760 R 10373



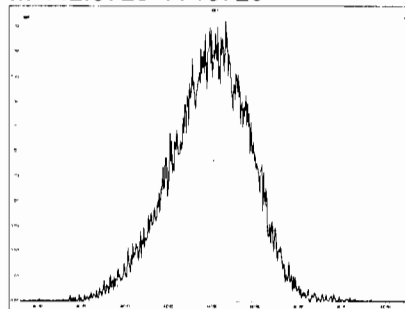
M 416.9760 R 10592



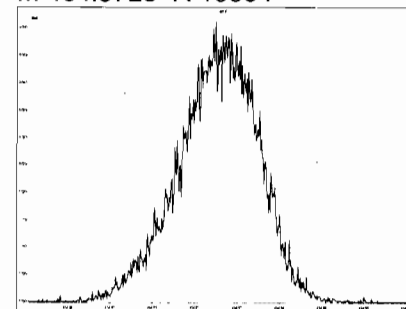
M 430.9728 R 10594



M 442.9728 R 10729



M 454.9728 R 10594



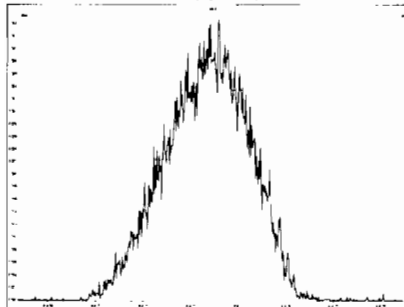
Experiment Calibration Report

MassLynx 4.1 SCN815

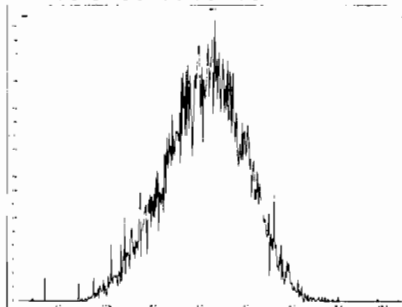
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Printed: Tuesday, June 09, 2020 10:53:50 Pacific Daylight Time

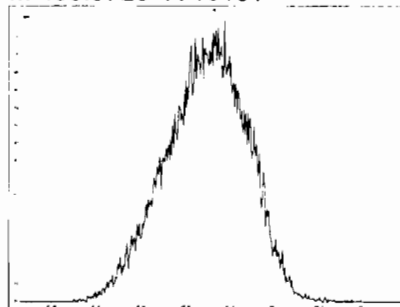
M 404.9760 R 10461



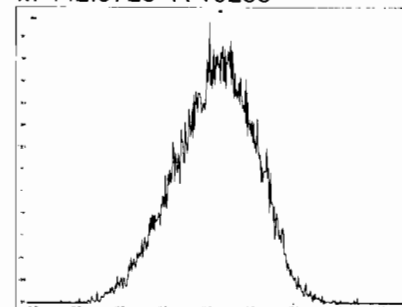
M 416.9760 R 10416



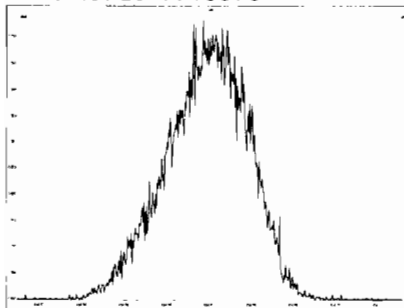
M 430.9728 R 10161



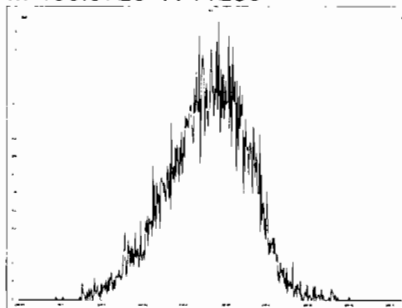
M 442.9728 R 10288



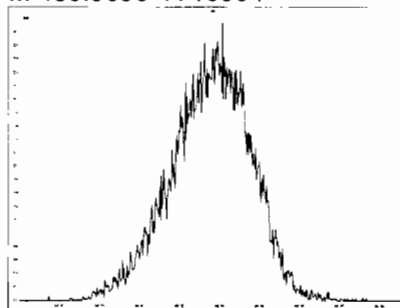
M 454.9728 R 10375



M 466.9728 R 11258



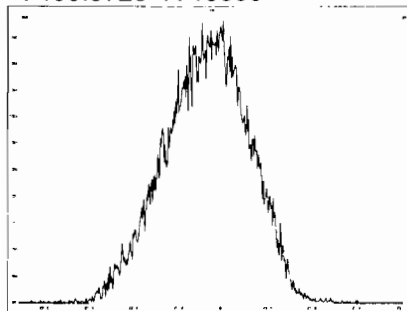
M 480.9696 R 10964



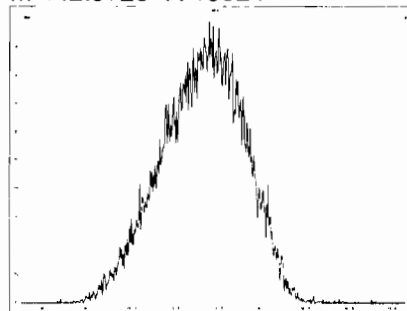
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Printed: Tuesday, June 09, 2020 10:54:19 Pacific Daylight Time

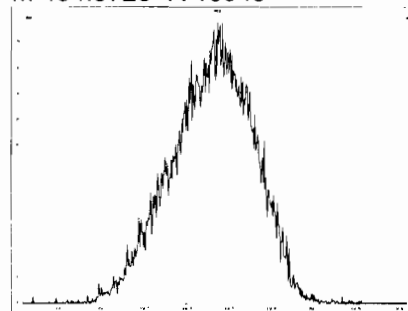
M 430.9728 R 10330



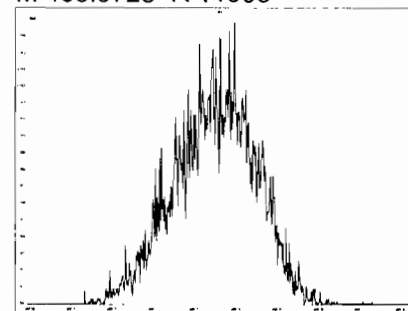
M 442.9728 R 10824



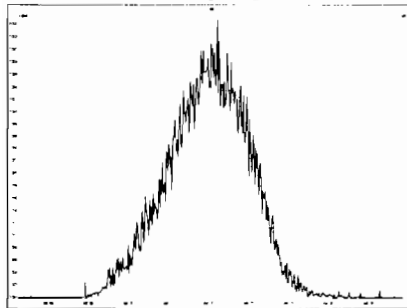
M 454.9728 R 10549



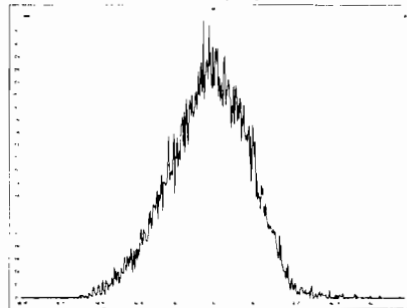
M 466.9728 R 11903



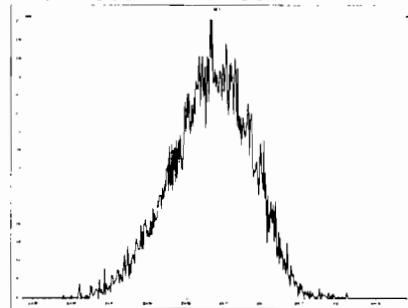
M 480.9696 R 10418



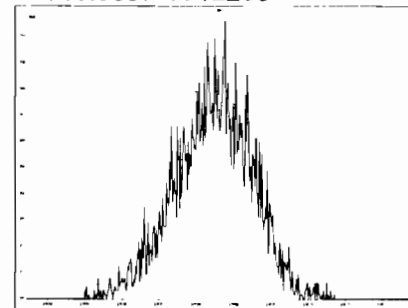
M 492.9696 R 10593



M 504.9696 R 10286



M 516.9697 R 12255



Vista Analytical Laboratory VG-11

Dataset: U:\VG12.PRO\Results\200609R1\200609R1-CPSM.qld

Last Altered: Tuesday, June 09, 2020 11:44:41 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 15:49:33 Pacific Daylight Time

GPR 06/09/2020

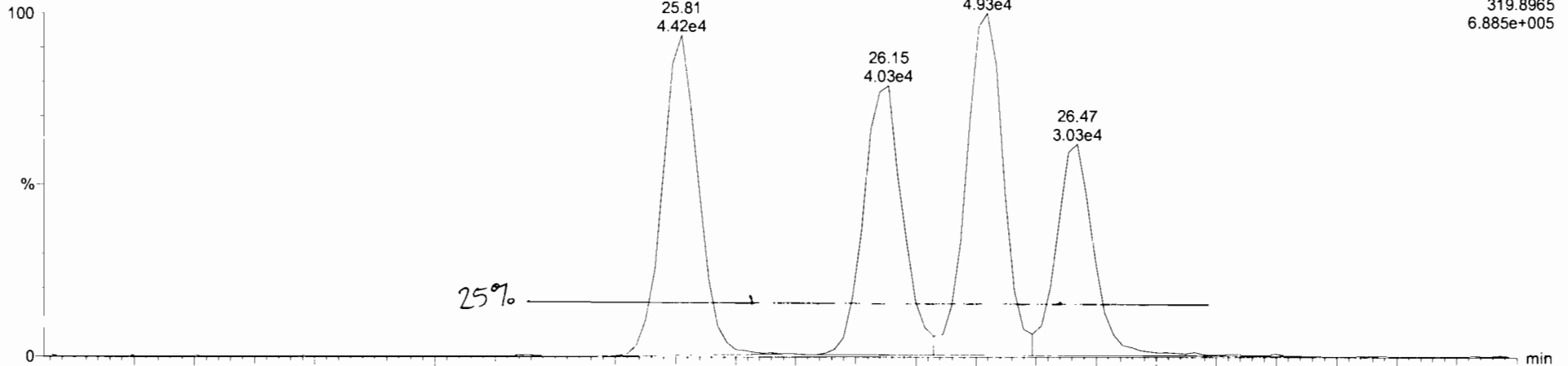
Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

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

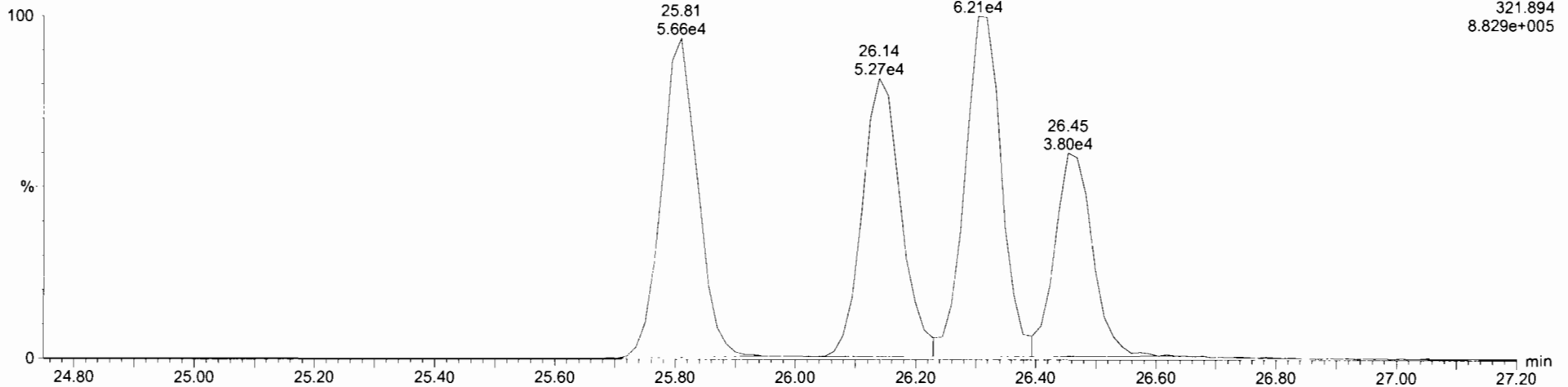
Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200609R1_1



200609R1_1



Dataset: Untitled

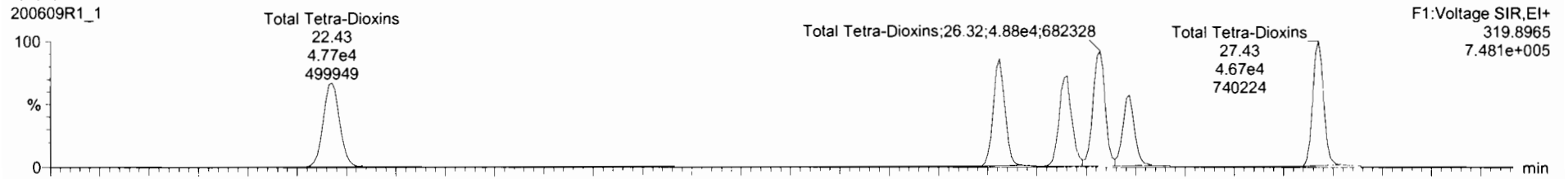
Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

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

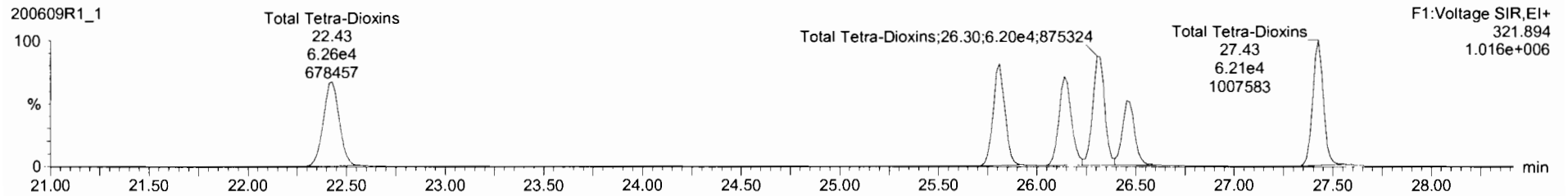
Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD

200609R1_1

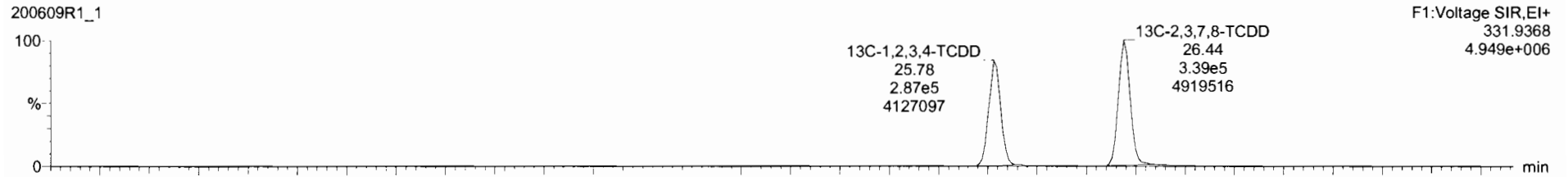


200609R1_1

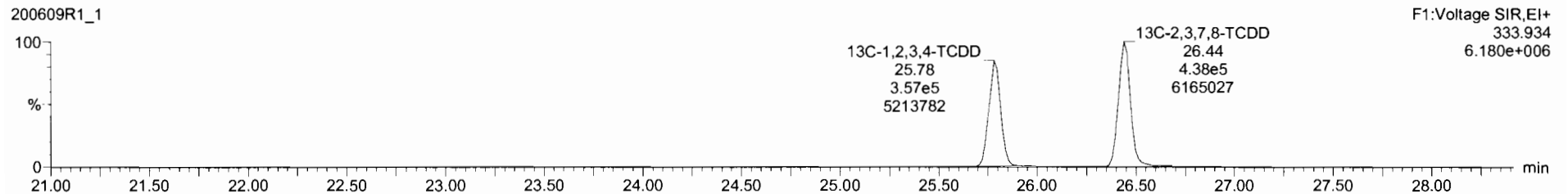


13C-2,3,7,8-TCDD

200609R1_1



200609R1_1



Dataset: Untitled

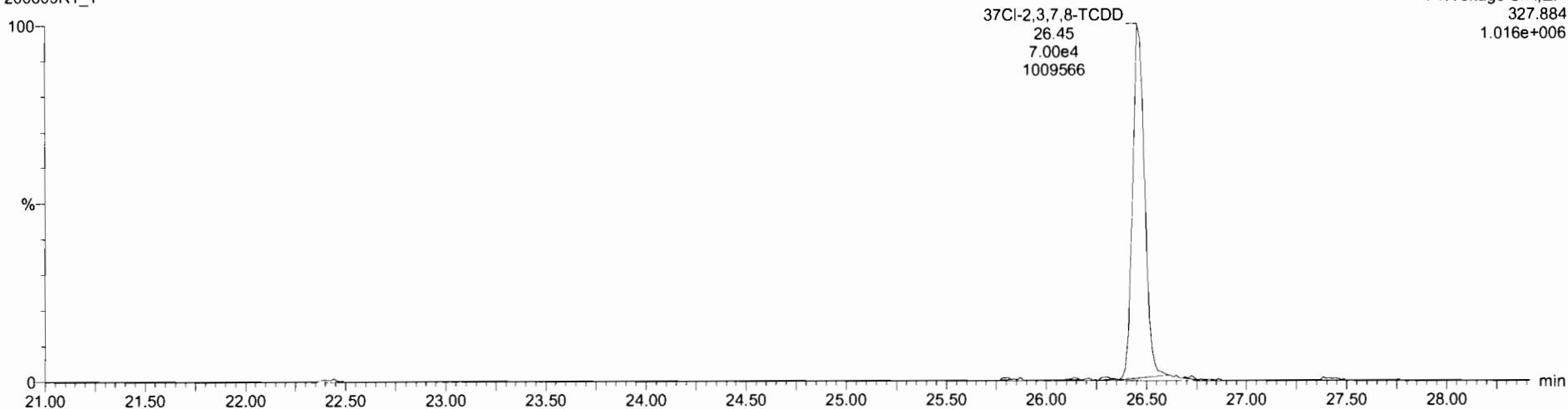
Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

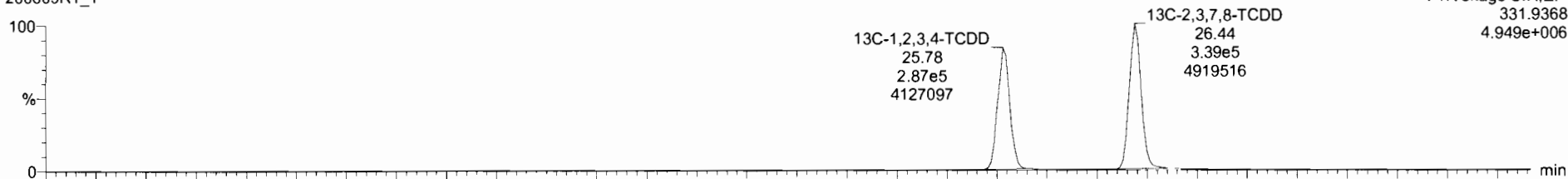
37Cl-2,3,7,8-TCDD

200609R1_1

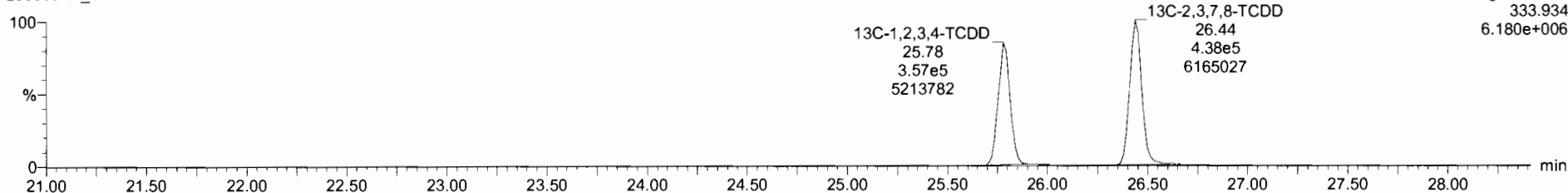


13C-1,2,3,4-TCDD

200609R1_1



200609R1_1



Dataset: Untitled

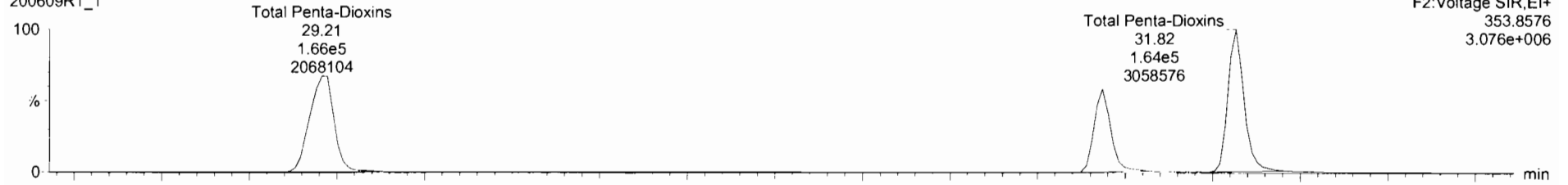
Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

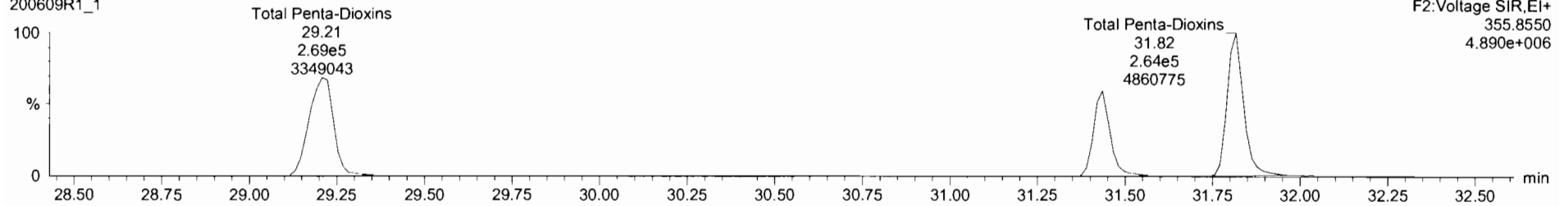
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1,2,3,7,8-PeCDD

200609R1_1

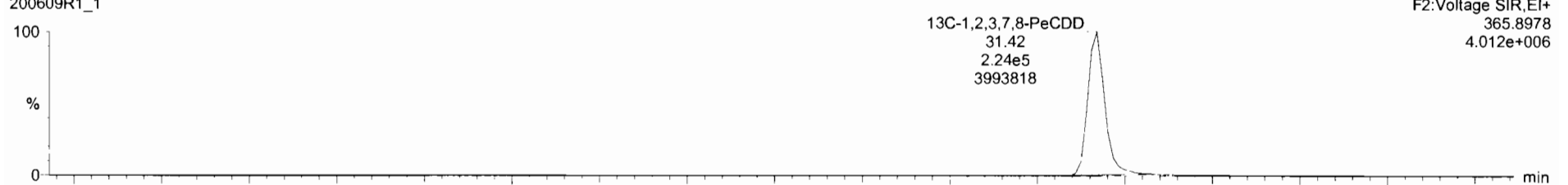


200609R1_1

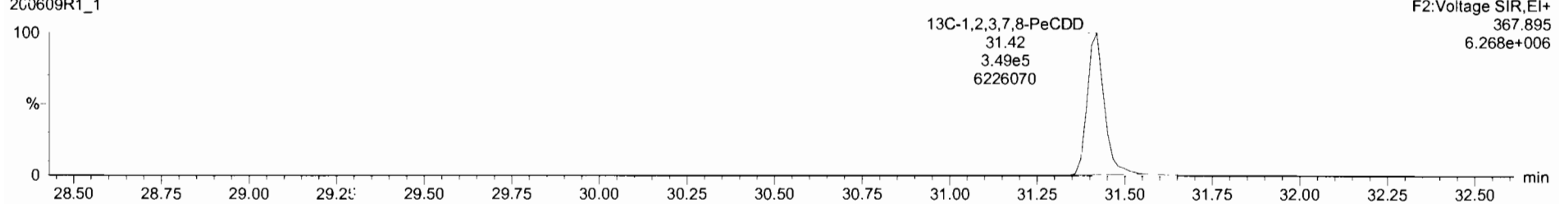


13C-1,2,3,7,8-PeCDD

200609R1_1



200609R1_1



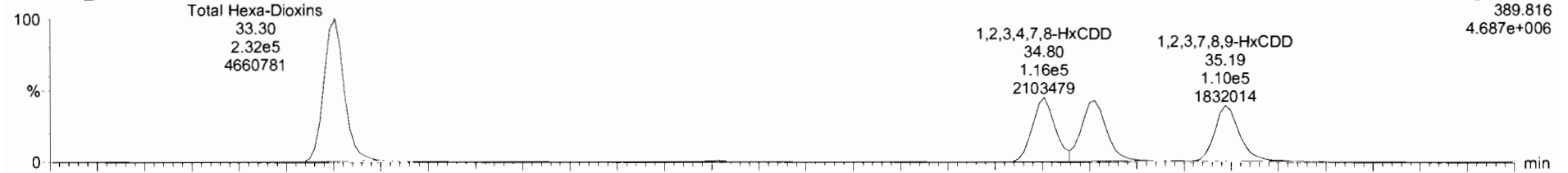
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Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

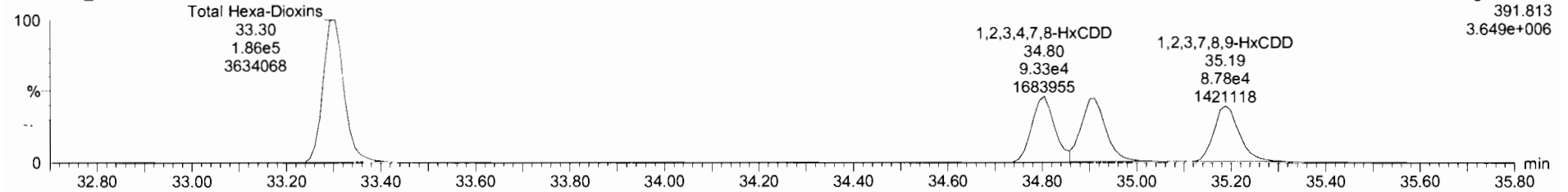
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1,2,3,4,7,8-HxCDD

200609R1_1

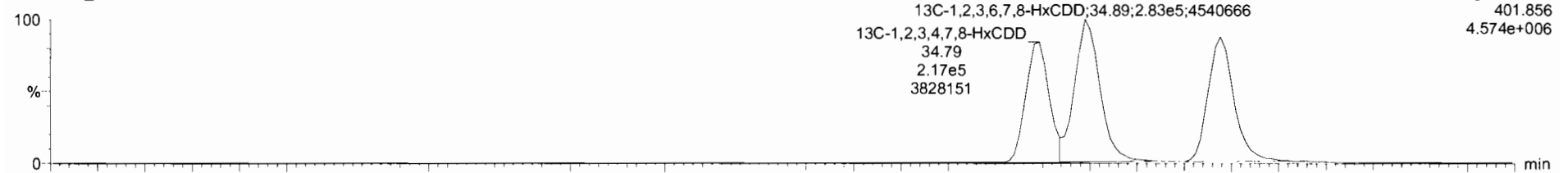


200609R1_1

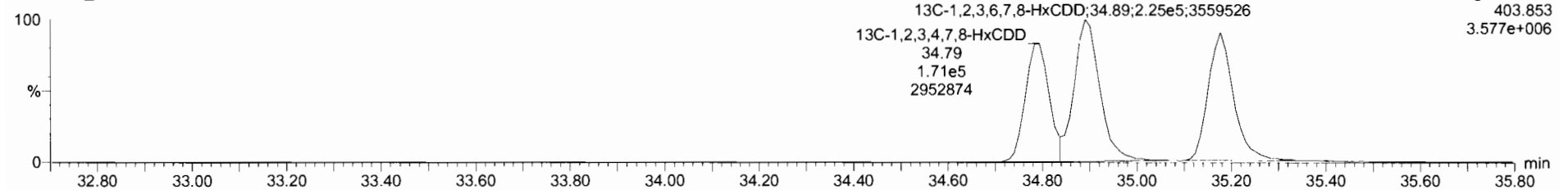


13C-1,2,3,4,7,8-HxCDD

200609R1_1



200609R1_1



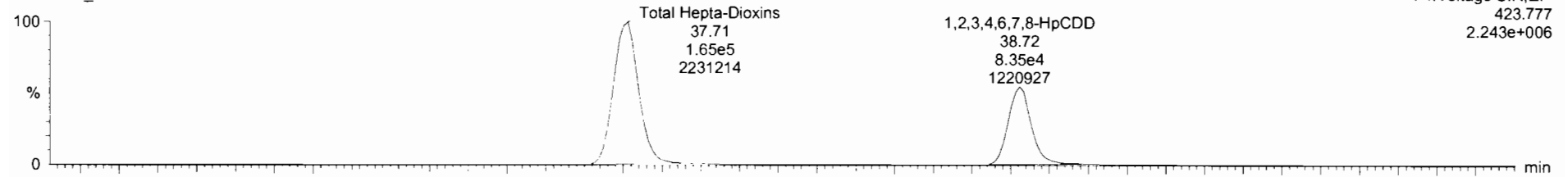
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Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

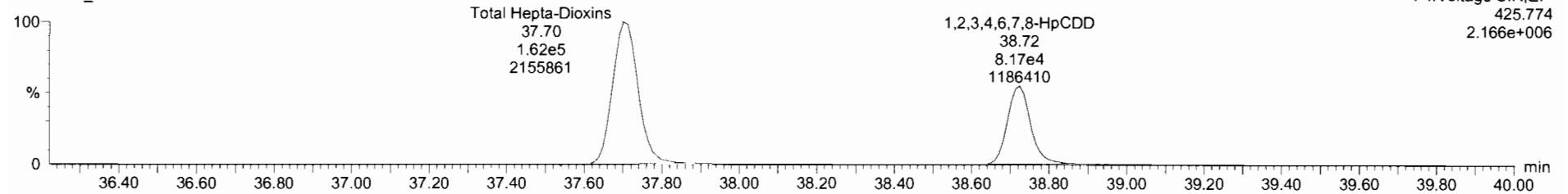
1,2,3,4,6,7,8-HpCDD

200609R1_1



F4:Voltage SIR,EI+
423.777
2.243e+006

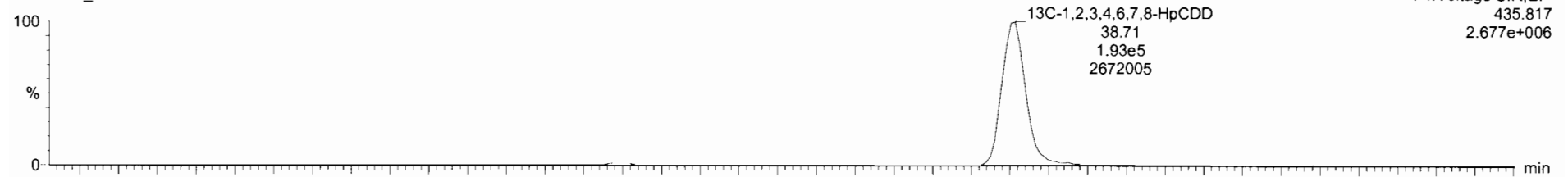
200609R1_1



F4:Voltage SIR,EI+
425.774
2.166e+006

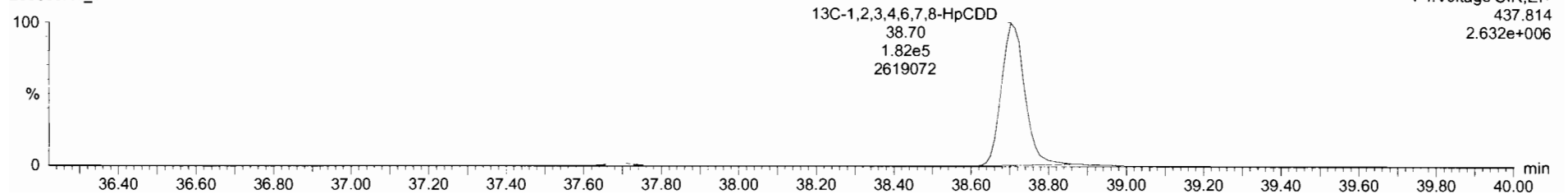
13C-1,2,3,4,6,7,8-HpCDD

200609R1_1



F4:Voltage SIR,EI+
435.817
2.677e+006

200609R1_1



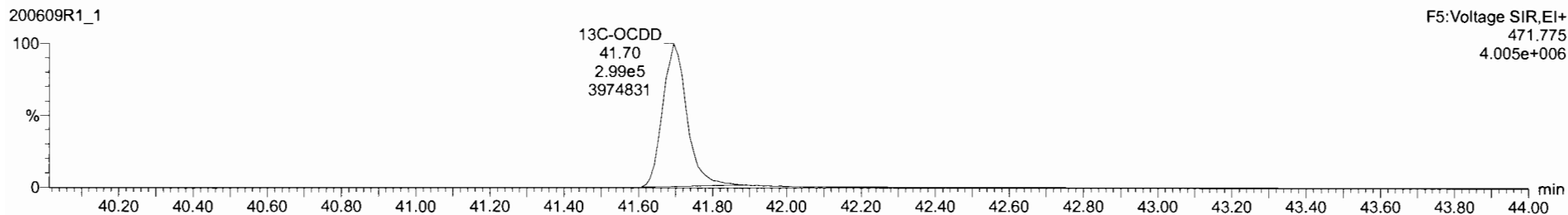
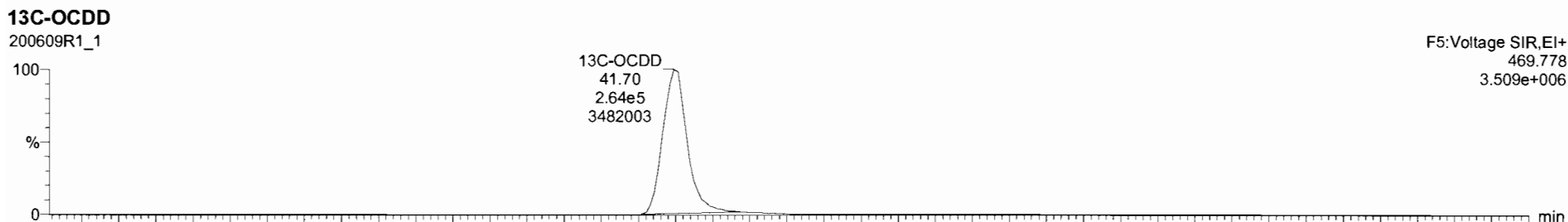
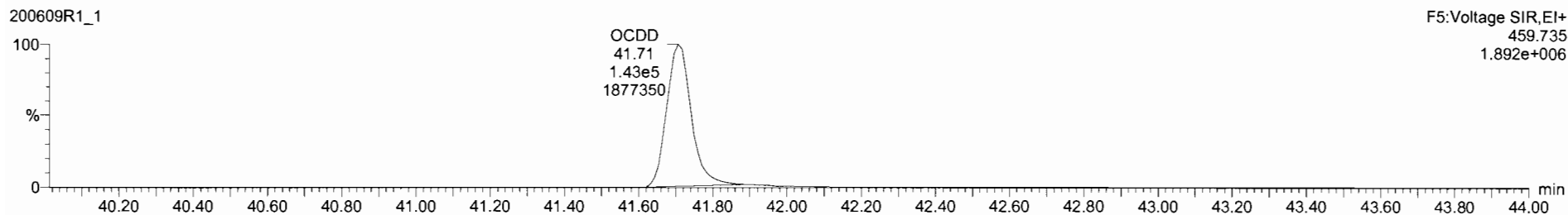
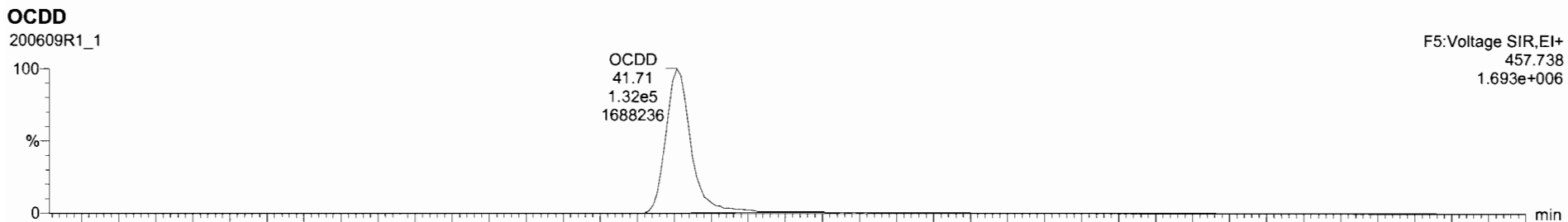
F4:Voltage SIR,EI+
437.814
2.632e+006

Dataset: Untitled

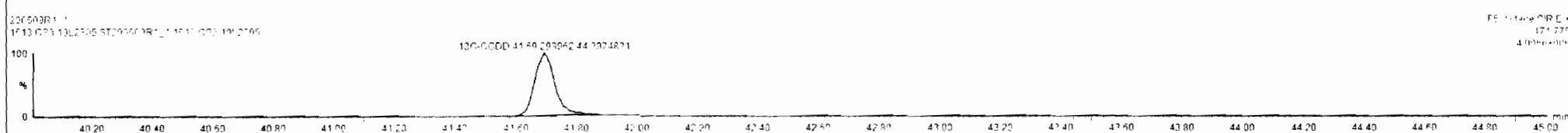
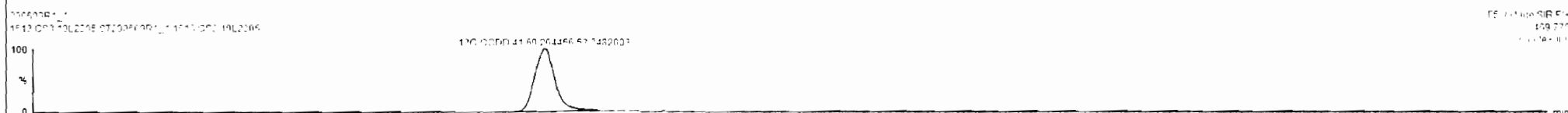
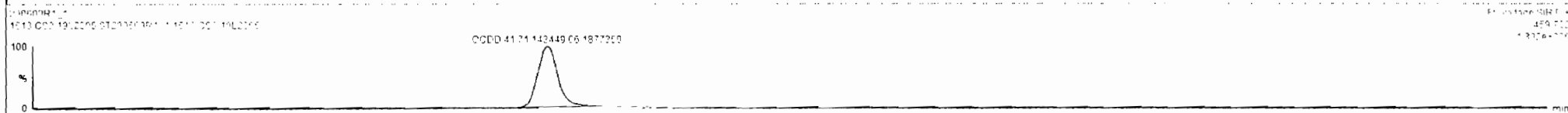
Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



#	Name	Reso	IS Reso	Pred RA	RA	ny	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	6.59e4	7.76e5	0.77	0.77	NO	0.8883	25.47	25.47	NO	1.001	1.001	97.0	97.0	NO
2	1,2,3,7,8-PeCDD	2.54e5	5.73e5	0.63	0.62	NO	0.9051	31.44	31.42	NO	1.001	1.000	49.9	97.6	NO
3	1,2,3,4,7,8-HxCDD	2.09e5	3.88e5	1.24	1.24	NO	1.0224	34.85	34.80	NO	1.000	1.000	52.1	104	NO
4	1,2,3,6,7,8-HxCDD	2.21e5	5.08e5	1.24	1.25	NO	0.8923	34.89	34.91	NO	1.000	1.001	48.7	97.4	NO
5	1,2,3,7,8,9-HxCDD	1.95e5	4.50e5	1.24	1.25	NO	0.8869	35.19	35.19	NO	1.000	1.000	49.6	99.1	NO
6	1,2,3,4,6,7,8-HpCDD	1.65e5	3.76e5	1.04	1.02	NO	0.8629	35.72	35.72	NO	1.000	1.000	50.9	102	NO
7	OCDD	2.73e5	5.63e5	0.89	0.90	NO	0.9136	41.69	41.71	NO	1.000	1.000	106	106	NO
8	1,2,3,7,8-TCDF	7.75e4	1.06e5	0.72	0.74	NO	0.7510	25.57	25.57	NO	1.001	1.001	97.5	97.6	NO
9	1,2,3,7,8-PeCDF	3.61e5	8.26e5	1.55	1.60	NO	0.8925	30.14	30.15	NO	1.001	1.001	49.3	98.7	NO
10	1,2,3,4,7,8-PeCDF	4.01e5	8.45e5	1.55	1.58	NO	0.9249	31.15	31.12	NO	1.001	1.002	50.7	101	NO
11	1,2,3,4,7,8-HxCDF	2.63e5	5.62e5	1.24	1.22	NO	0.8845	33.91	33.92	NO	1.000	1.001	52.0	106	NO
12	1,2,3,6,7,8-HxCDF	2.89e5	6.30e5	1.24	1.23	NO	0.8892	34.05	34.05	NO	1.000	1.000	51.5	102	NO
13	1,2,3,4,6,7,8-HxCDF	2.72e5	5.61e5	1.24	1.22	NO	0.9241	34.66	34.62	NO	1.001	1.000	52.0	104	NO
14	1,2,3,7,8,9-HxCDF	2.01e5	4.43e5	1.24	1.21	NO	0.8707	35.54	35.55	NO	1.000	1.000	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	2.17e5	4.69e5	1.04	1.03	NO	0.8724	37.24	37.22	NO	1.001	1.000	52.9	106	NO
16	1,2,3,4,7,8,9-HpCDF	1.45e5	2.72e5	1.04	1.01	NO	1.0225	35.25	35.27	NO	1.000	1.000	52.3	105	NO
17	OCDF	2.75e5	6.43e5	0.89	0.95	NO	0.8655	41.59	41.50	NO	1.000	1.000	106	106	NO



Dataset: Untitled

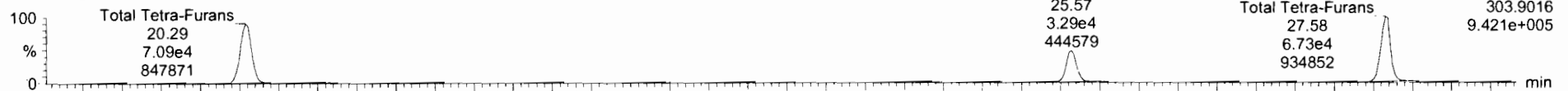
Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

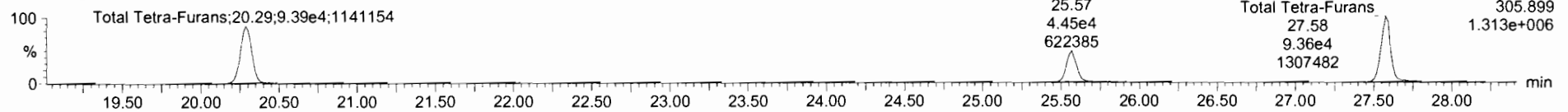
Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200609R1_1

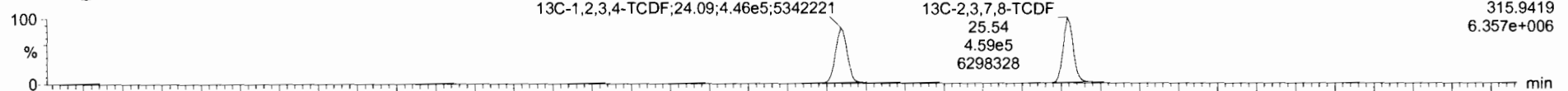


200609R1_1

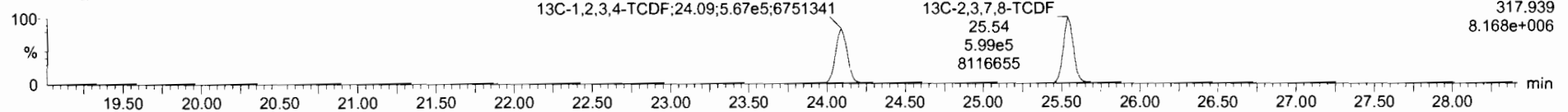


¹³C-2,3,7,8-TCDF

200609R1_1

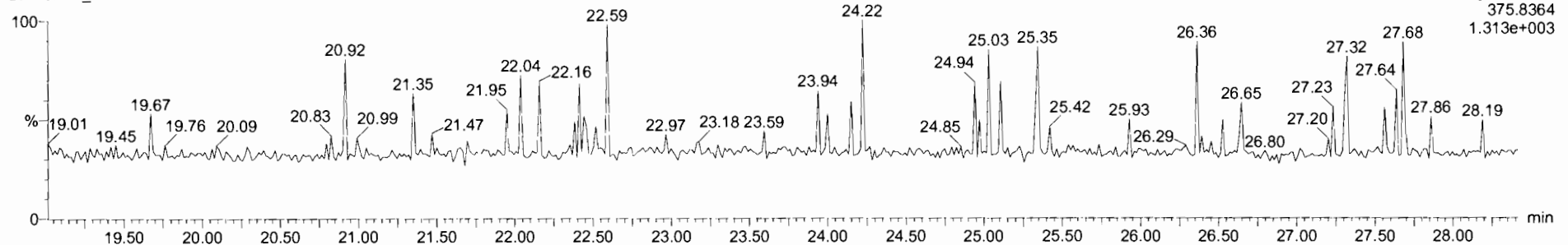


200609R1_1



DPE1

200609R1_1



Dataset: Untitled

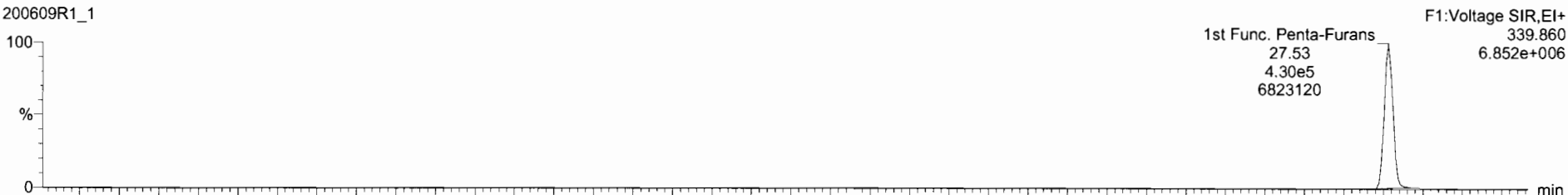
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Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

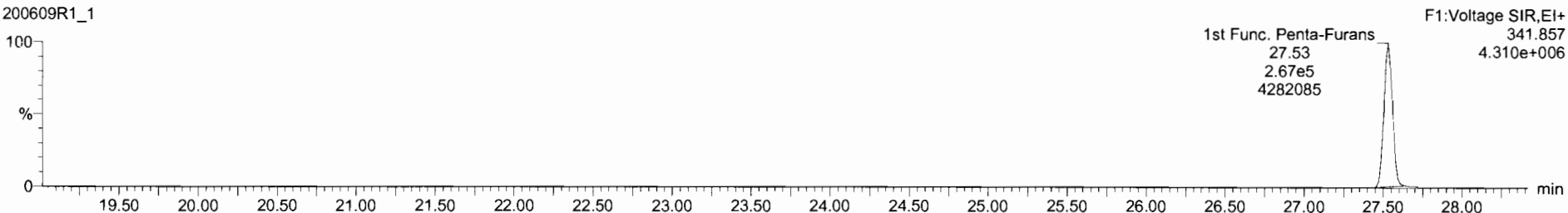
Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1st Func. Penta-Furans

200609R1_1

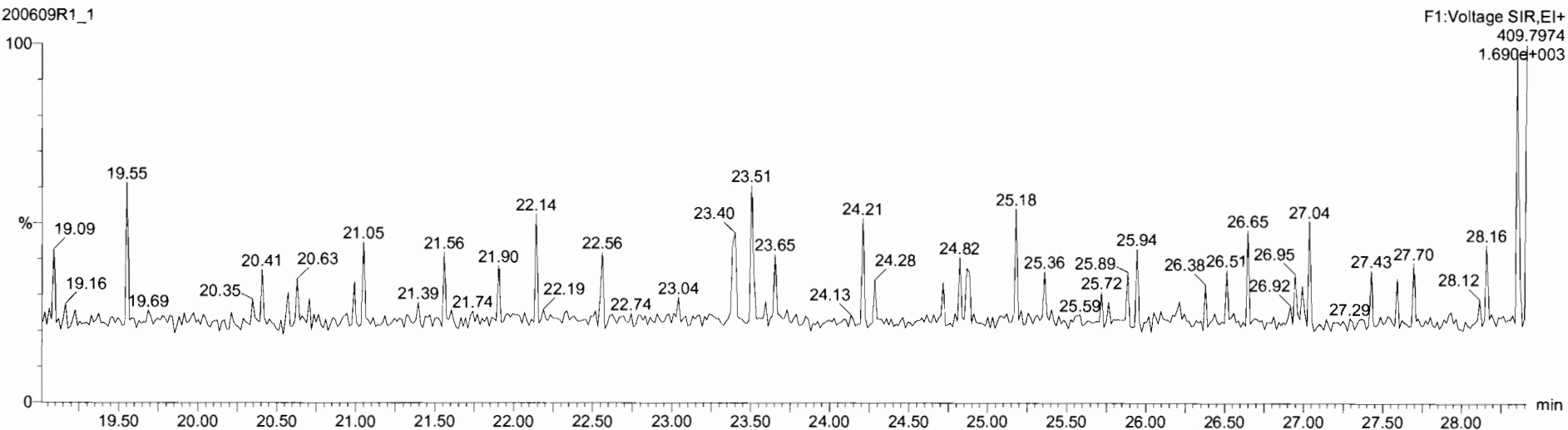


200609R1_1



DPE6

200609R1_1



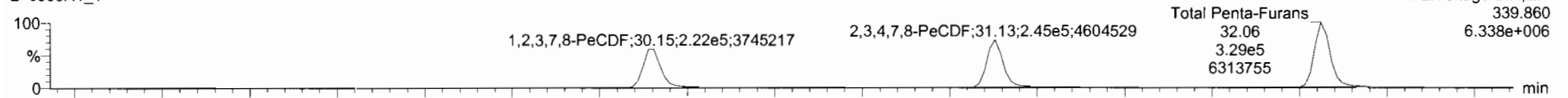
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Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

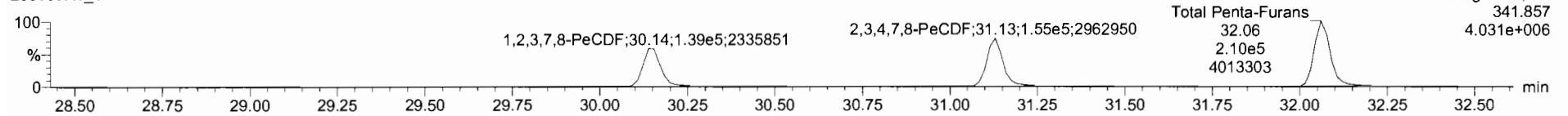
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1,2,3,7,8-PeCDF

200609R1_1

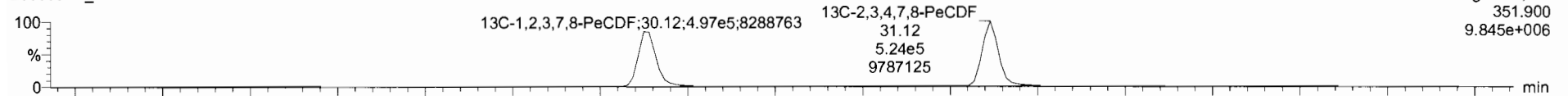


200609R1_1

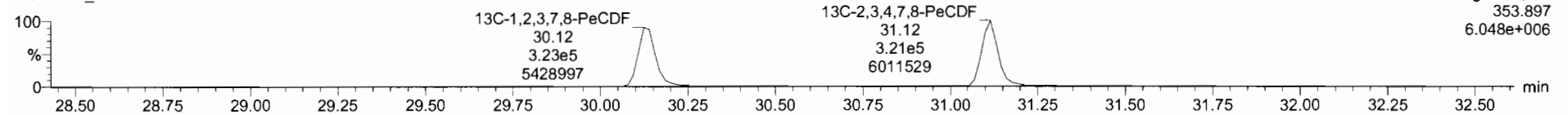


13C-1,2,3,7,8-PeCDF

200609R1_1

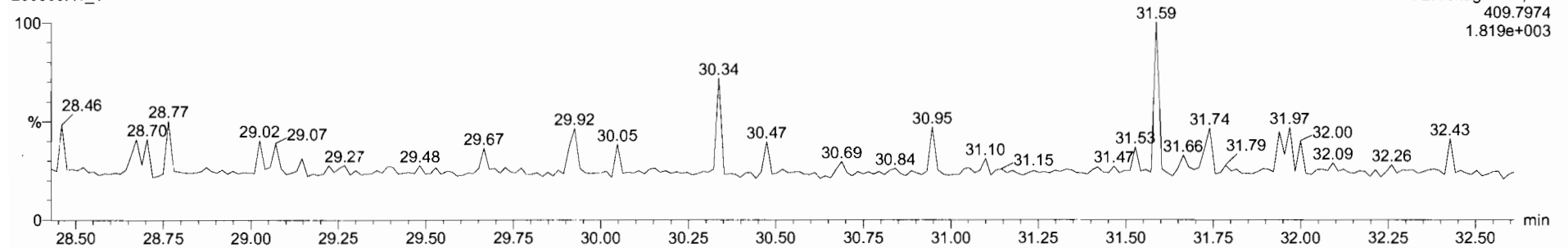


200609R1_1



DPE2

200609R1_1



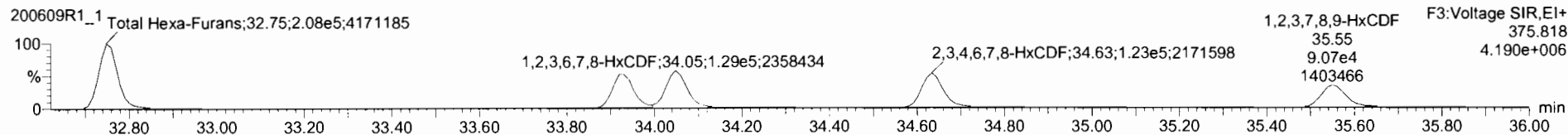
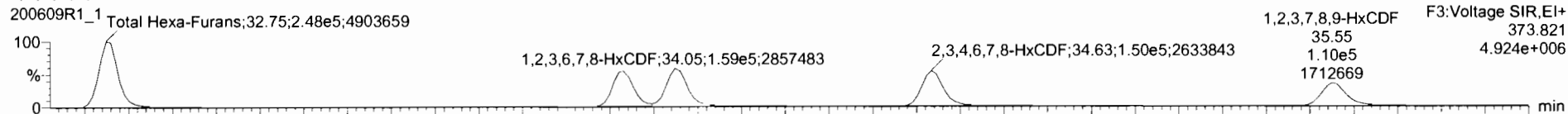
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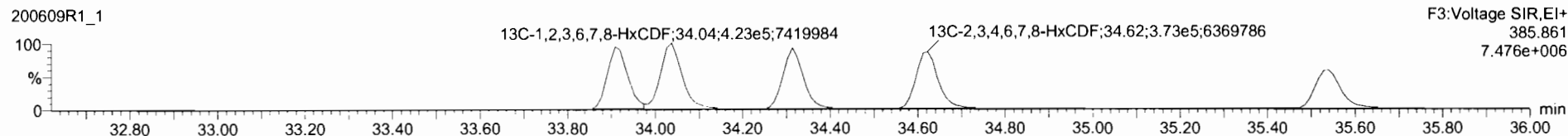
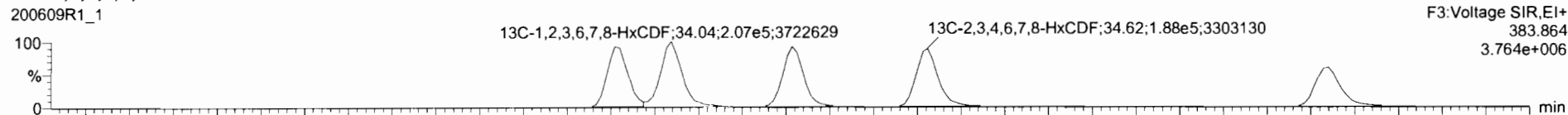
Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

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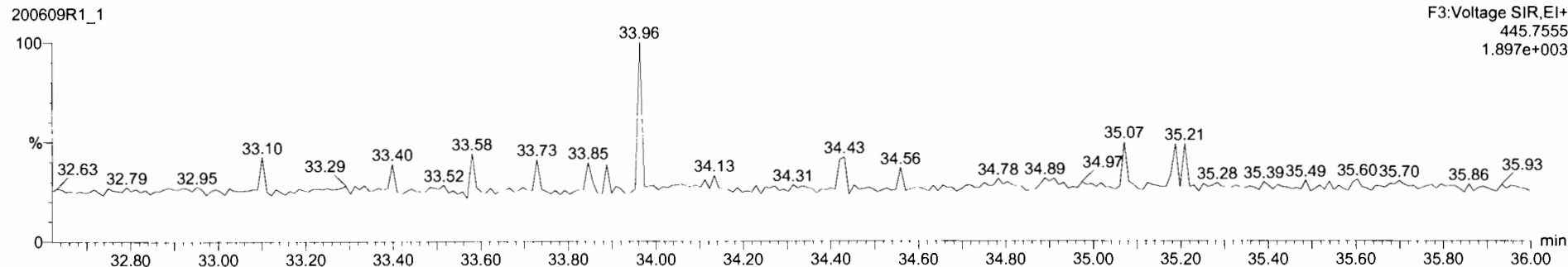
1,2,3,4,7,8-HxCDF



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



DPE3

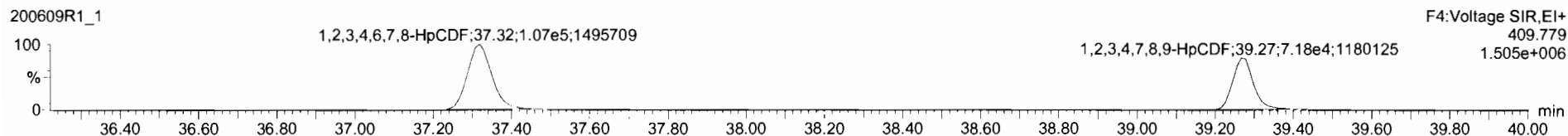
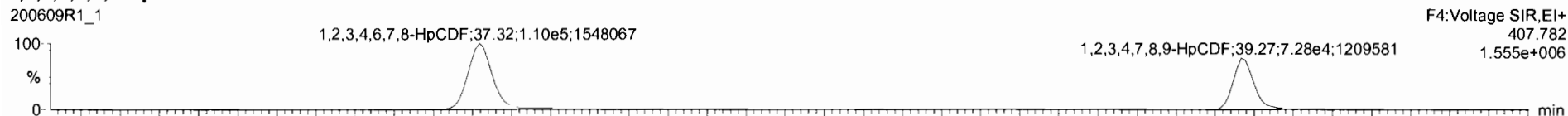


Dataset: Untitled

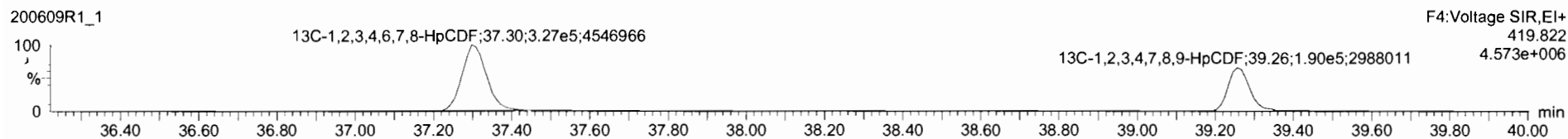
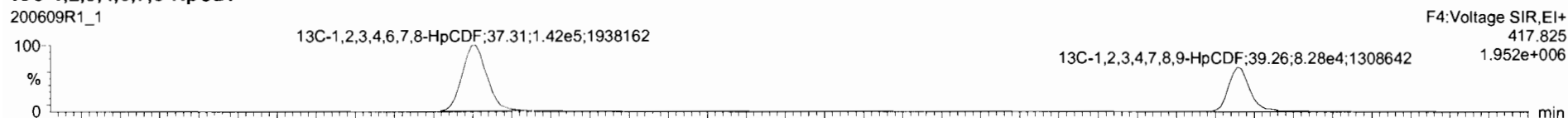
Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

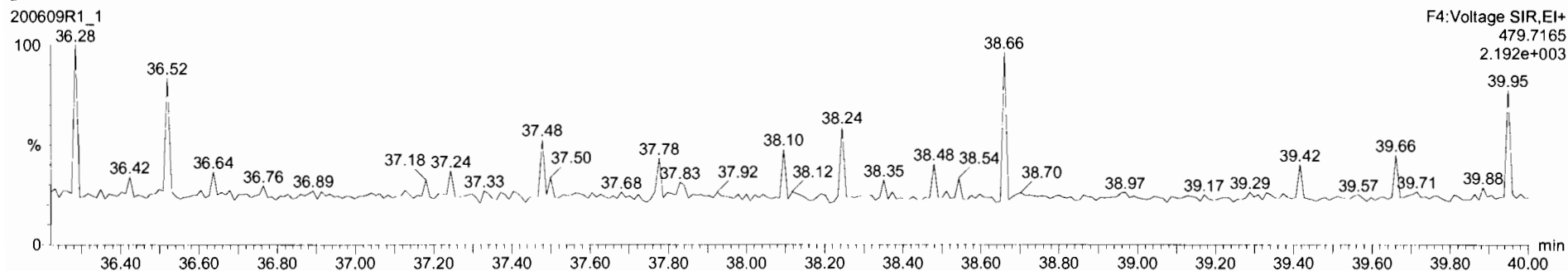
1,2,3,4,6,7,8-HpCDF



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



DPE4

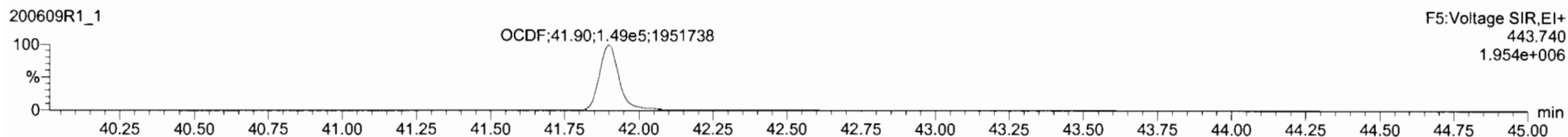
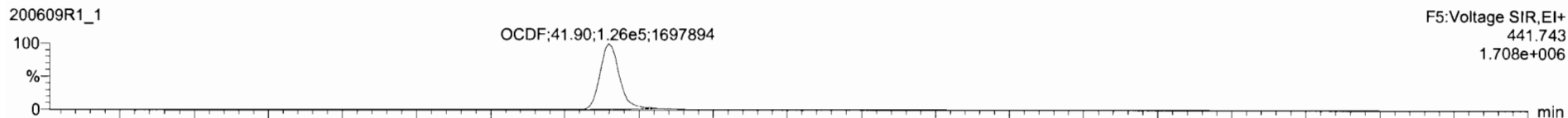


Dataset: Untitled

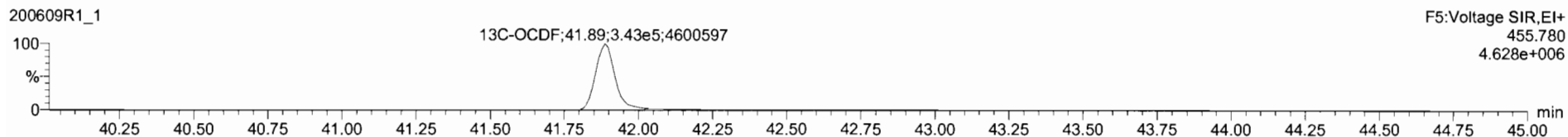
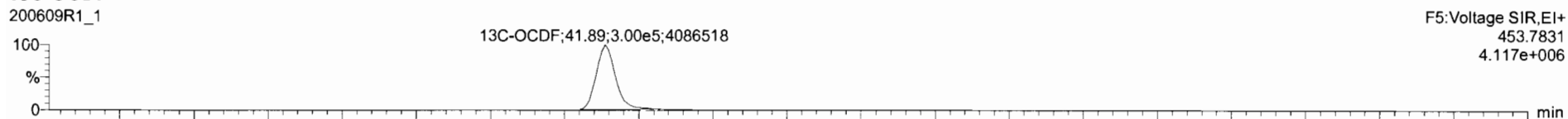
Last Altered: Tuesday, June 09, 2020 15:43:08 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

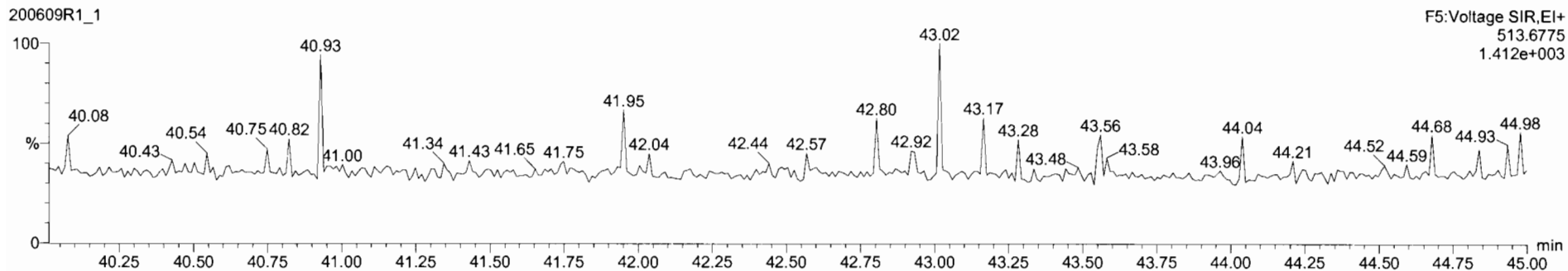
OCDF



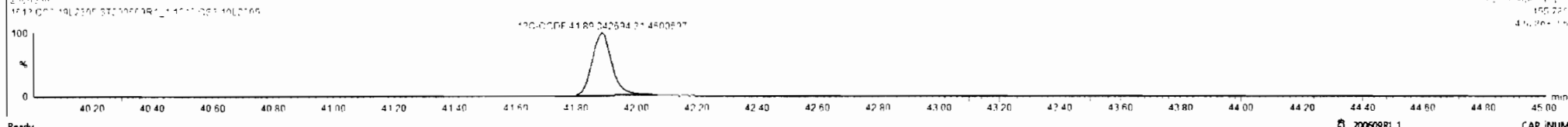
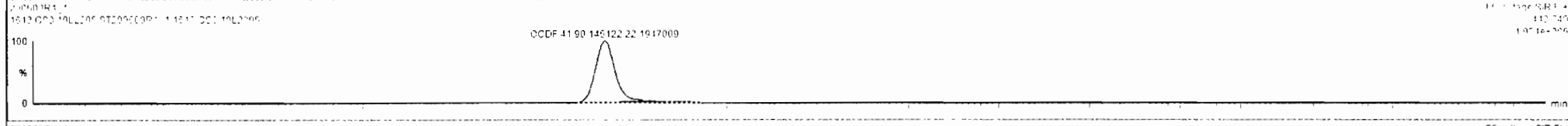
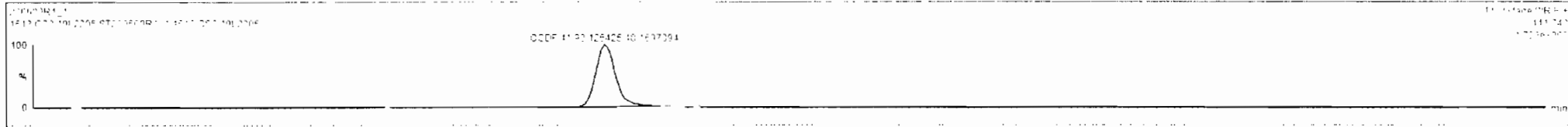
13C-OCDF



DPE5



#	Name	Resp	IS Resp	Pred RA	RA	n _y	RRF	Pred RT	RT	R ² Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	5.69e4	7.76e5	0.77	0.77	NO	0.8883	25.47	25.47	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	2.54e5	5.72e5	0.63	0.62	NO	0.9081	21.44	21.42	NO	1.001	1.000	48.8	97.6	NO
3	1,2,3,4,7,8-HxCDD	2.09e5	3.88e5	1.24	1.24	NO	1.0224	24.80	24.80	NO	1.000	1.000	52.1	104	NO
4	1,2,3,6,7,8-HxCDD	2.21e5	5.08e5	1.24	1.25	NO	0.9522	24.89	24.91	NO	1.000	1.001	48.7	97.4	NO
5	1,2,3,7,8,9-HxCDD	1.99e5	4.50e5	1.24	1.25	NO	0.8869	25.19	25.19	NO	1.000	1.000	49.6	99.1	NO
6	1,2,3,4,6,7,8-HpCDD	1.65e5	3.78e5	1.04	1.02	NO	0.8629	28.72	28.72	NO	1.000	1.000	50.9	102	NO
7	OCDD	2.73e5	5.87e5	0.89	0.90	NO	0.9126	41.69	41.71	NO	1.000	1.000	106	106	NO
8	1,2,3,7,8-TCDF	7.75e4	1.06e6	0.77	0.74	NO	0.7510	25.57	25.57	NO	1.001	1.001	9.76	97.6	NO
9	1,2,3,7,8-PeCDF	3.81e5	8.20e5	1.55	1.60	NO	0.8925	20.14	20.15	NO	1.001	1.001	49.3	98.7	NO
10	2,3,4,7,8-PeCDF	4.01e5	8.45e5	1.55	1.58	NO	0.9248	21.15	21.12	NO	1.001	1.000	50.7	101	NO
11	1,2,3,4,7,8-HxCDF	2.63e5	5.62e5	1.24	1.22	NO	0.8845	22.91	22.92	NO	1.000	1.001	52.8	105	NO
12	1,3,6,7,8-HxCDF	2.89e5	6.30e5	1.24	1.22	NO	0.8892	24.05	24.05	NO	1.000	1.000	51.5	103	NO
13	2,3,4,6,7,8-HxCDF	2.72e5	5.61e5	1.24	1.22	NO	0.9241	24.66	24.63	NO	1.001	1.000	52.0	104	NO
14	1,2,3,7,8,9-HxCDF	2.01e5	4.42e5	1.24	1.21	NO	0.8707	25.54	25.55	NO	1.000	1.000	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	2.17e5	4.69e5	1.04	1.03	NO	0.8724	27.24	27.22	NO	1.001	1.000	52.9	106	NO
16	1,2,3,4,7,8,9-HpCDF	1.45e5	2.73e5	1.04	1.01	NO	1.0128	29.25	29.27	NO	1.000	1.000	52.2	105	NO
17	OCDF	2.72e5	6.43e5	0.89	0.87	NO	0.8065	41.89	41.90	NO	1.000	1.000	105	105	NO

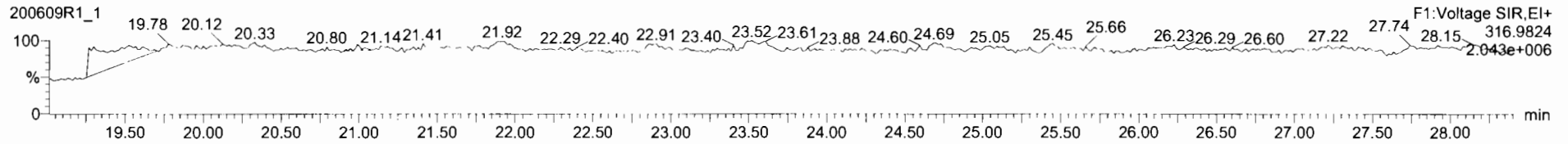


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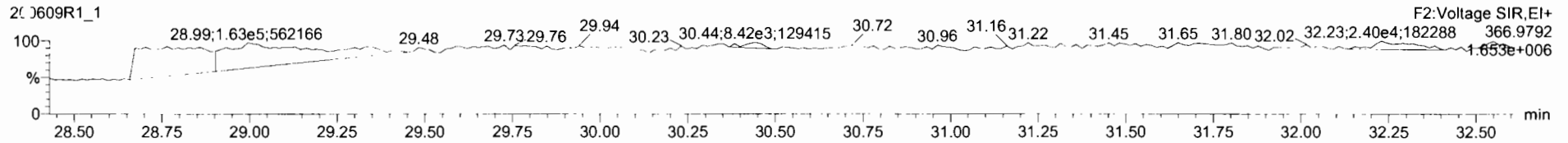
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Printed: Tuesday, June 09, 2020 15:43:22 Pacific Daylight Time

Name: 200609R1_1, Date: 09-Jun-2020, Time: 10:57:02, ID: ST200609R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

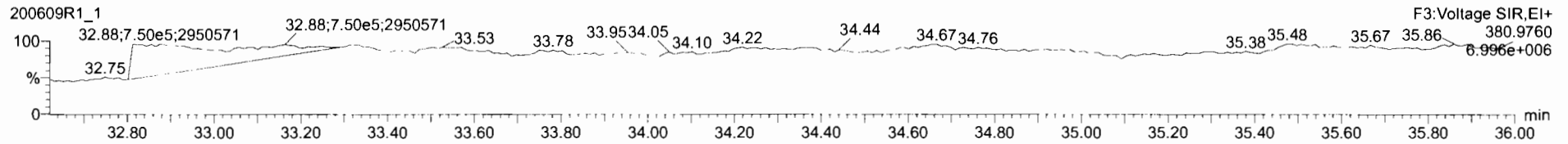
PFK1



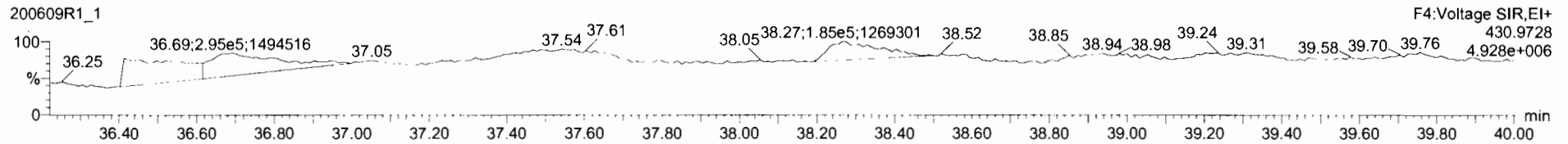
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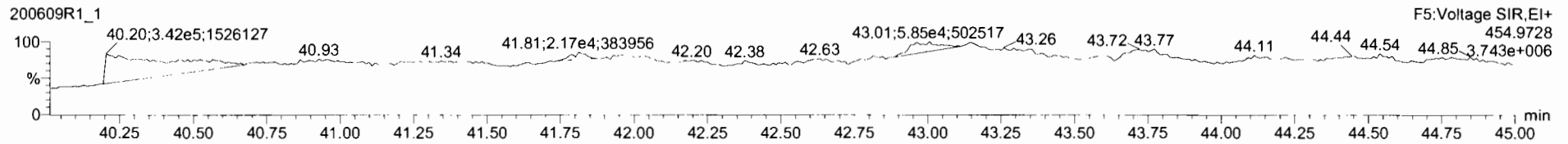
PFK3



PFK4

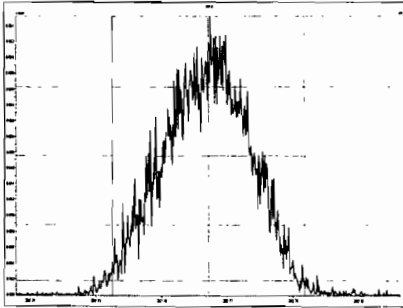


PFK5

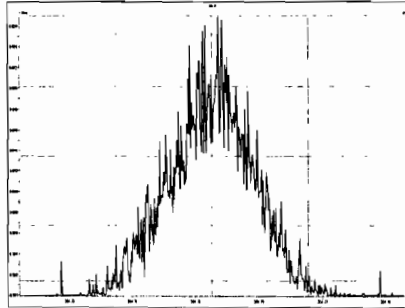


Printed: Tuesday, June 09, 2020 23:28:12 Pacific Daylight Time

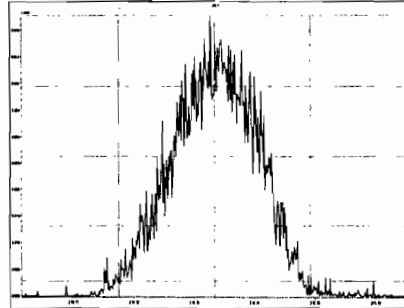
M 292.9824 R 10357



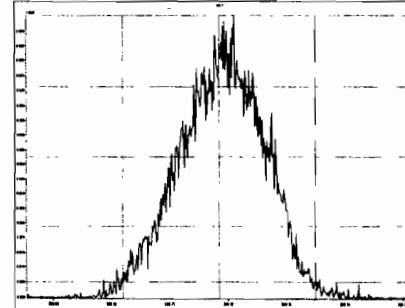
M 304.9824 R 10918



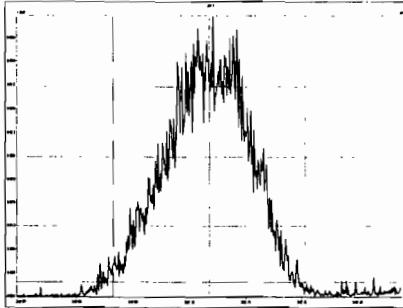
M 318.9792 R 10594



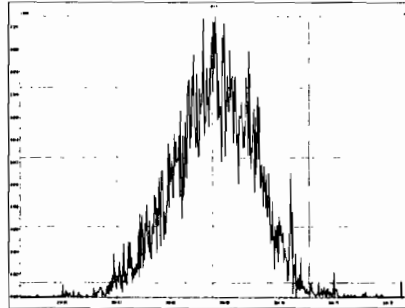
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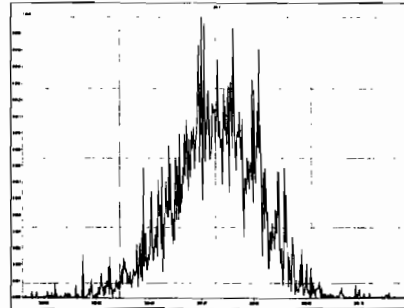
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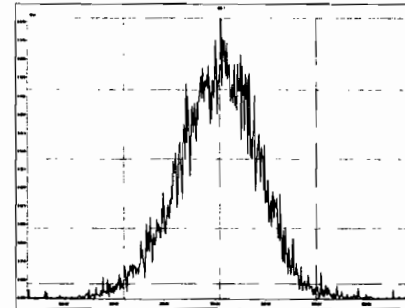
M 354.9792 R 11709



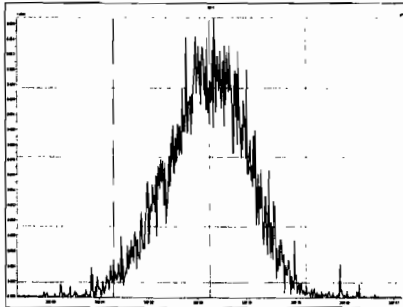
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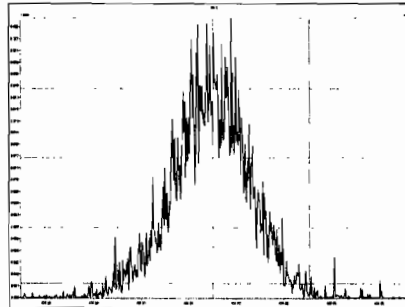
M 380.9760 R 11063



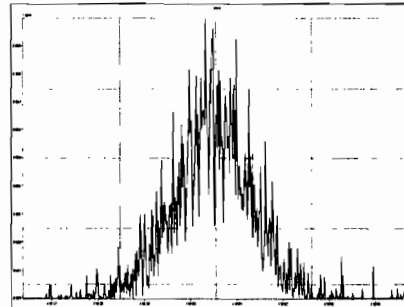
M 392.9760 R 11266



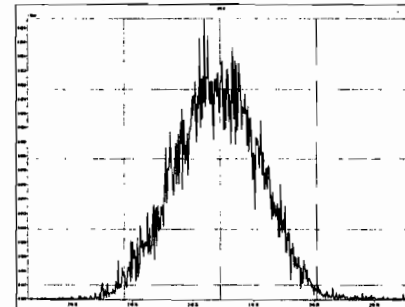
M 404.9760 R 12205



M 416.9760 R 14053

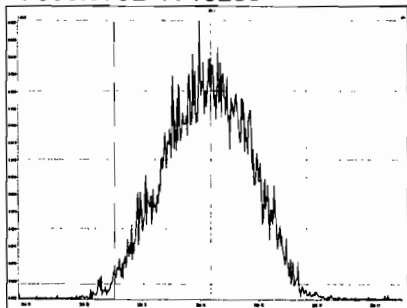


M 318.9792 R 10482

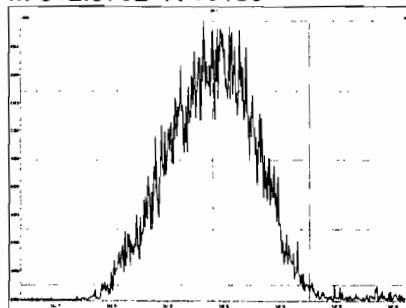


Printed: Tuesday, June 09, 2020 23:28:12 Pacific Daylight Time

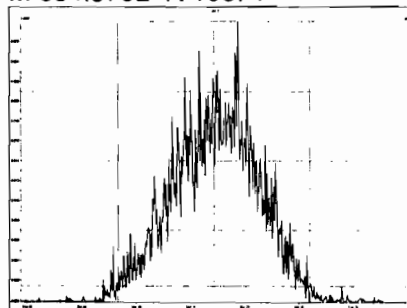
M 330.9792 R 10288



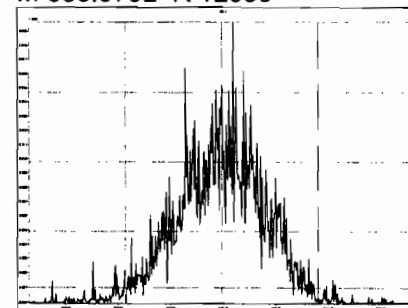
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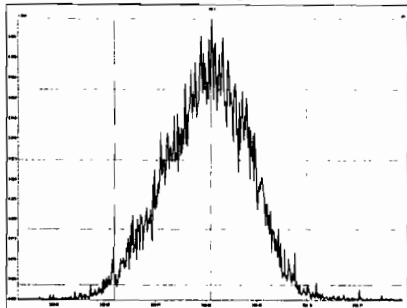
M 354.9792 R 10674



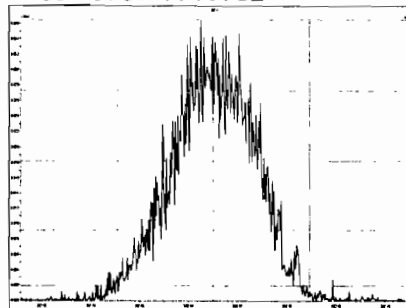
M 366.9792 R 12099



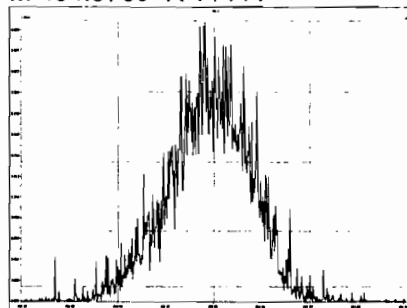
M 380.9760 R 10798



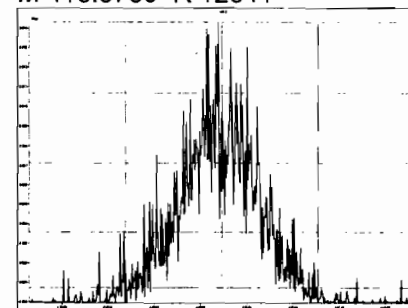
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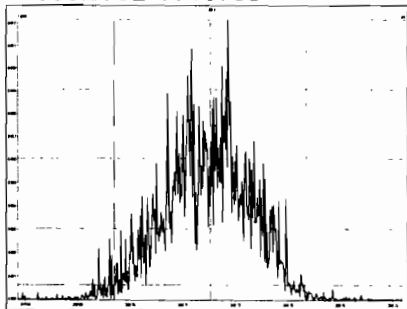
M 404.9760 R 11444



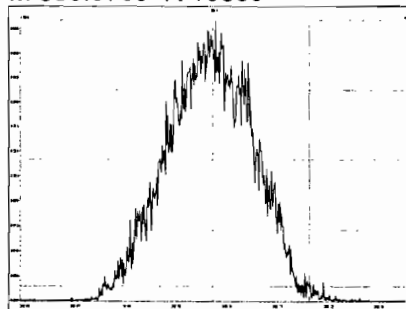
M 416.9760 R 12641



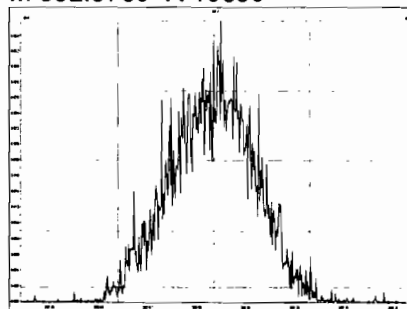
M 366.9792 R 10788



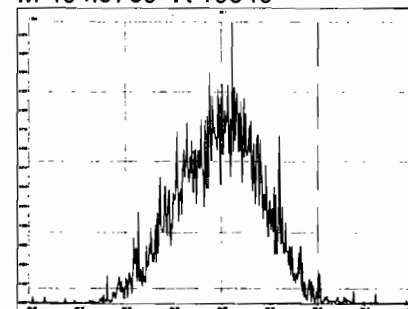
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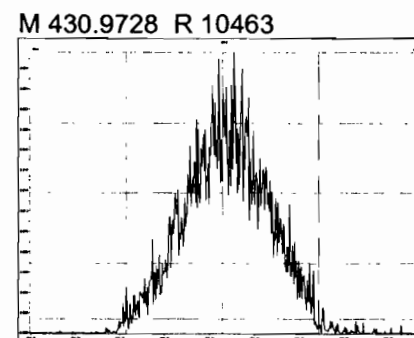
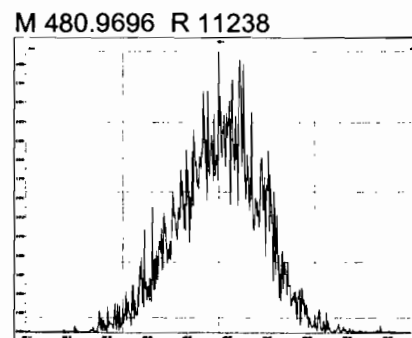
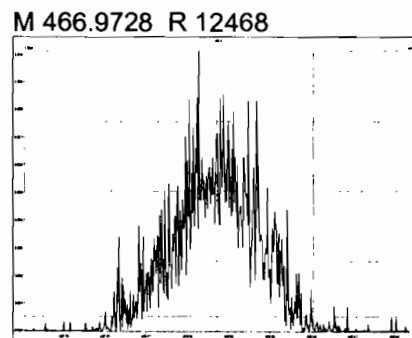
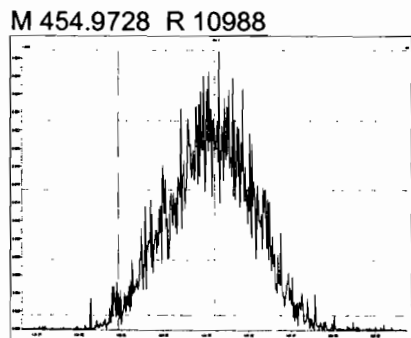
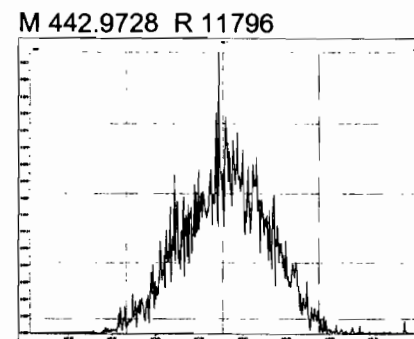
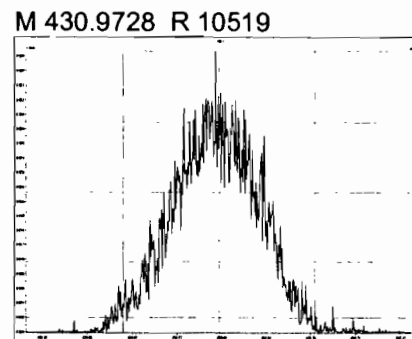
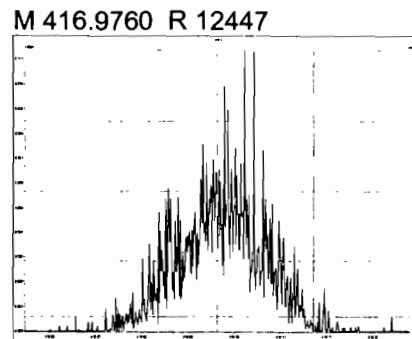
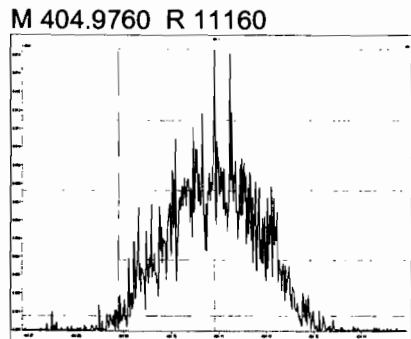
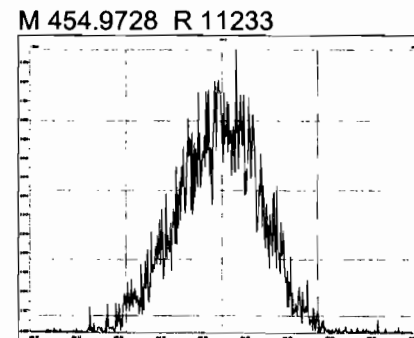
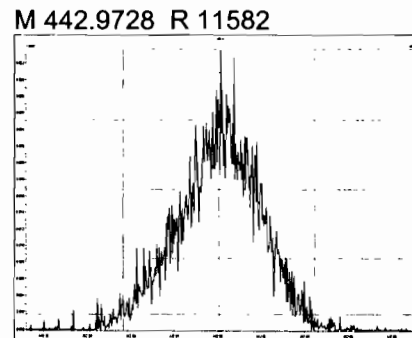
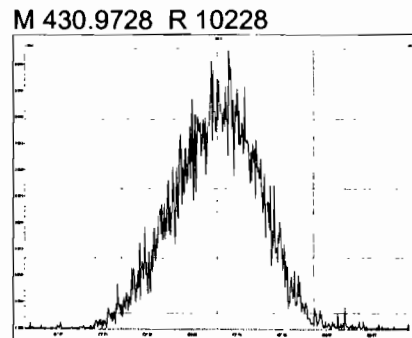
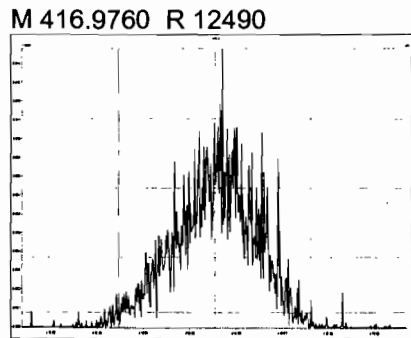
M 392.9760 R 10690



M 404.9760 R 10940

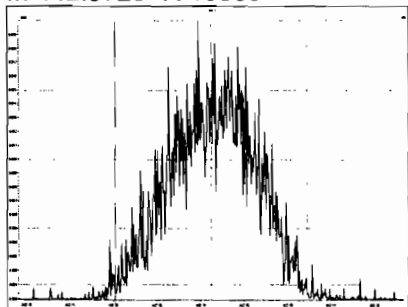


Printed: Tuesday, June 09, 2020 23:28:12 Pacific Daylight Time

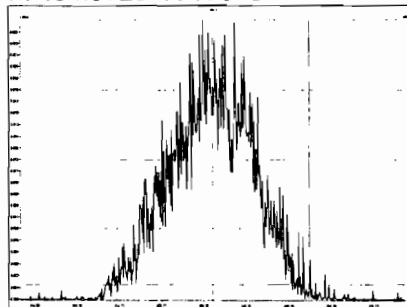


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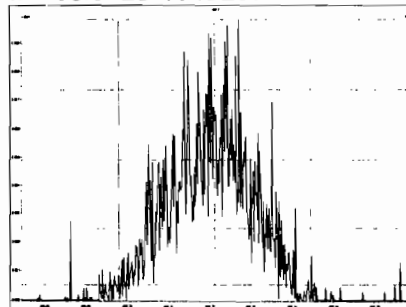
M 442.9728 R 10869



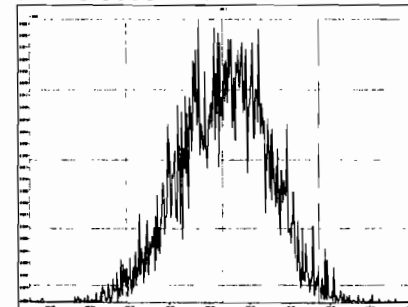
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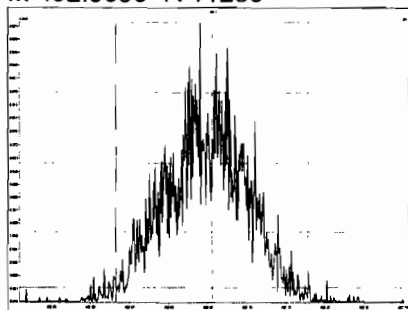
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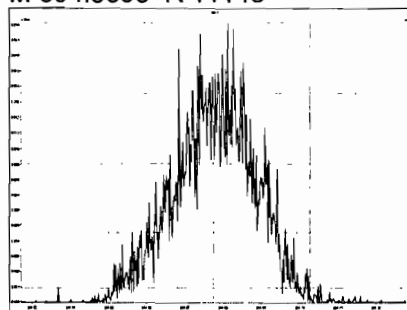
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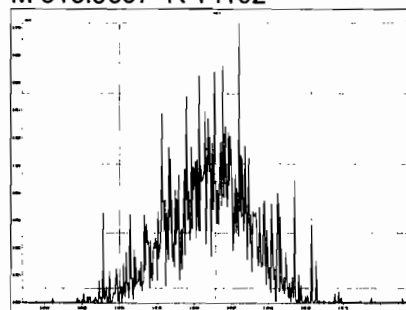
M 492.9696 R 11286



M 504.9696 R 11148



M 516.9697 R 14102



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200611D1-1

Reviewed By: C7 06/12/2020

Initials & Date

End Calibration ID: NA

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

Mass resolution \geq

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

Intergrated peaks display correctly?

 NA

GC Break <20%

NA

8280 CS1 End Standard:

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

NA

Comments:

Dataset: U:\VG7.PRO\Results\200611D1\200611D1_2.qld

Last Altered: Thursday, June 11, 2020 12:09:27 Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:10:37 Pacific Daylight Time

DB 6/11/20

C706/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_2, Date: 11-Jun-2020, Time: 11:46:34, ID: ST200611D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	1.69e3	0.76	NO	0.982	1.000	17.677	17.70	1.000	1.003	10.658	107	1.06	10.7
2	2 13C-2,3,7,8-TCDF	1.62e4	0.79	NO	1.08	1.000	17.724	17.66	1.133	1.135	104.06	104	2.46	
3	3 13C-1,2,3,4-TCDF	1.44e4	0.82	NO	1.00	1.000	15.660	15.56	1.000	1.000	100.00	100	2.66	

Dataset: Untitled

Last Altered: Friday, June 12, 2020 09:27:13 Pacific Daylight Time
Printed: Friday, June 12, 2020 09:27:28 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Callibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

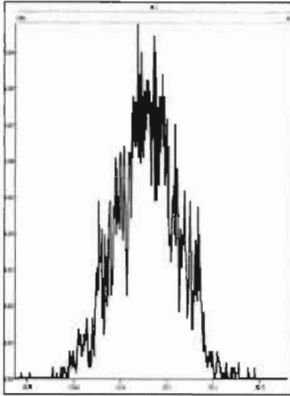
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200611D1_1	CP200611D1-1 DB-225 CPSM	11-Jun-20	11:16:25
2	200611D1_2	ST200611D1-1 1613 CS3 19L2305	11-Jun-20	11:46:34
3	200611D1_3	SOLVENT BLANK	11-Jun-20	12:18:17
4	200611D1_4	2000996-04RE1 PDI-054SC-B-00-02-200428 ...	11-Jun-20	12:50:03
5	200611D1_5	2000996-05RE1 PDI-054SC-B-02-05-200428 ...	11-Jun-20	13:21:43
6	200611D1_6	2000995-04RE1 PDI-068SC-B-02-05-200430 ...	11-Jun-20	13:53:26
7	200611D1_7	2000995-05RE1 PDI-068SC-B-05-07-200430 ...	11-Jun-20	14:25:09
8	200611D1_8	2000995-11RE1 PDI-072SC-B-06-08-200430 ...	11-Jun-20	14:56:52
9	200611D1_9	B0E0118-DUP1RE1 Duplicate	11-Jun-20	15:28:35
10	200611D1_10	2000996-14RE1 PDI-060SC-B-00-02-200428 ...	11-Jun-20	16:00:16
11	200611D1_11	B0E0150-DUP1RE1 Duplicate	11-Jun-20	16:31:59
12	200611D1_12	2001037-03RE1 PDI-094SC-B-00-02-200507 17	11-Jun-20	17:03:40
13	200611D1_13	2001037-04RE1 PDI-094SC-B-02-05-200507 ...	11-Jun-20	17:35:22
14	200611D1_14	2001037-06RE1 PDI-096SC-B-00-02-200507 ...	11-Jun-20	18:07:04
15	200611D1_15	2001037-07RE1 PDI-096SC-B-02-05-200507 ...	11-Jun-20	18:38:46
16	200611D1_16	2001037-09RE1 PDI-096SG-00-01-200507 15...	11-Jun-20	19:10:30
17	200611D1_17	2001037-10RE1 PDI-098SC-B-00-02-200507 ...	11-Jun-20	19:42:11
18	200611D1_18	2001037-11RE1 PDI-098SC-B-02-05-200507 ...	11-Jun-20	20:13:54
19	200611D1_19	2001037-12RE1 PDI-098SC-B-05-07-200507 ...	11-Jun-20	20:45:37
20	200611D1_20	2001037-13RE1 PDI-1098SC-B-05-07-200507...	11-Jun-20	21:17:20
21	200611D1_21	2001037-14RE1 PDI-098SG-00-01-200507 14...	11-Jun-20	21:49:02

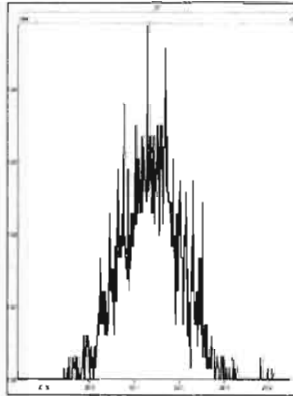
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Printed: Thursday, June 11, 2020 11:15:26 Pacific Daylight Time

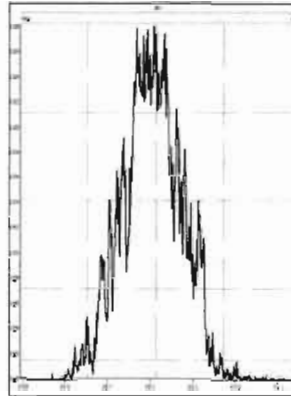
M 292.9824 R 11110



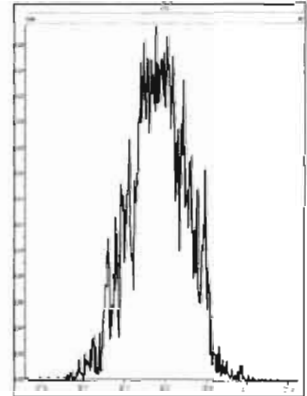
M 304.9824 R 11361



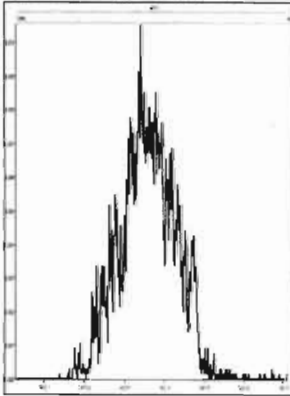
M 318.9792 R 11739



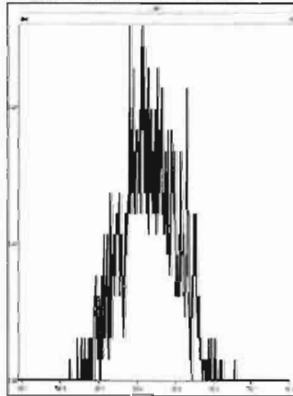
M 330.9792 R 11905



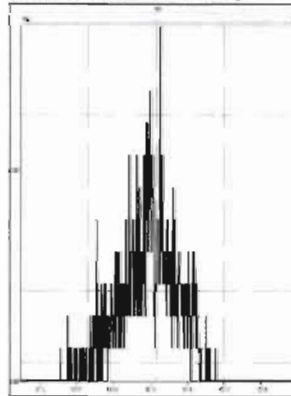
M 342.9792 R 12442



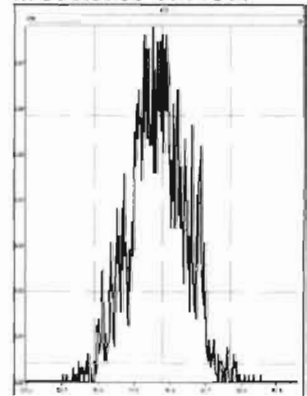
M 354.9792 R 13294

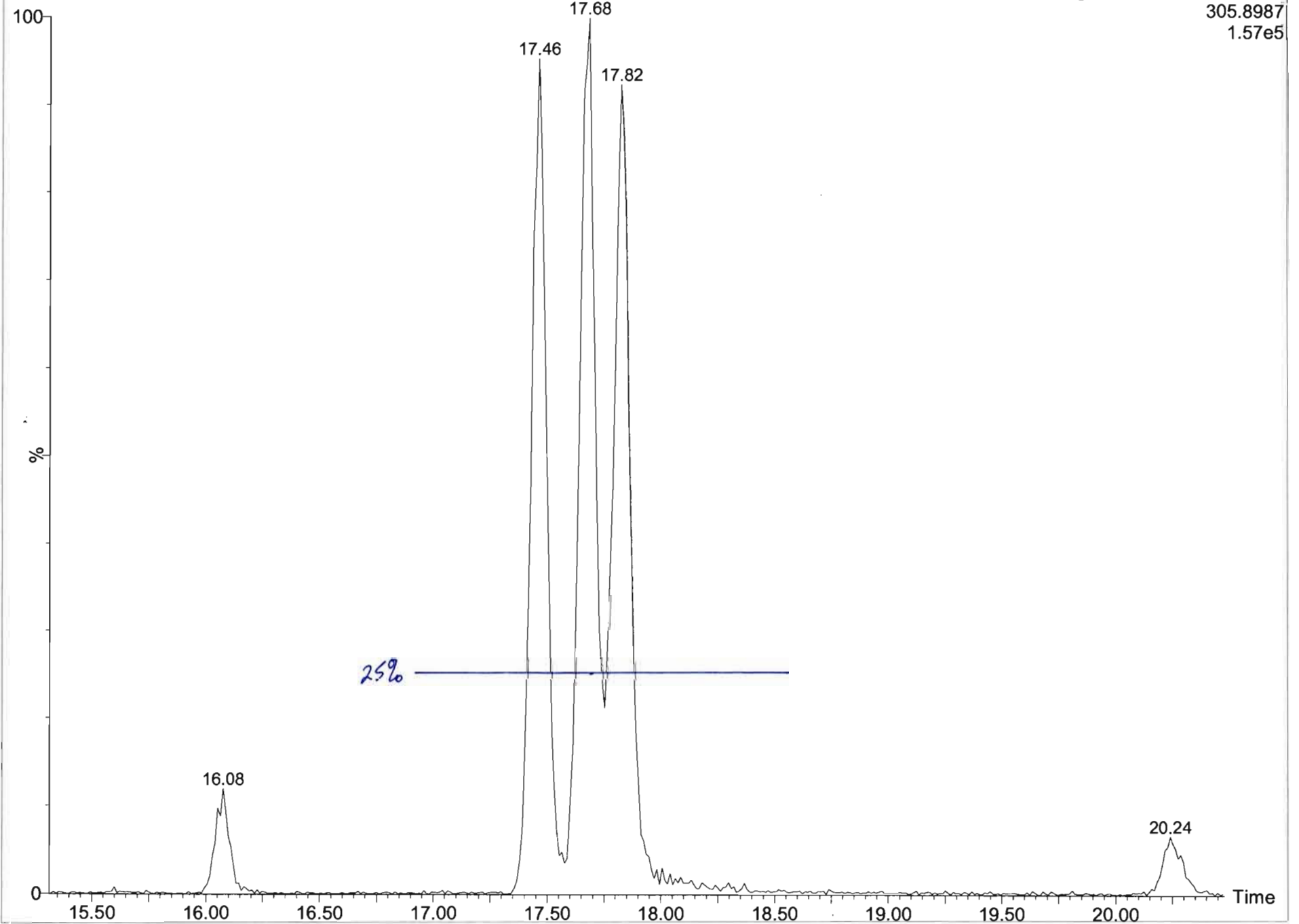


M 366.9792 R 14119



M 380.9760 R 11311





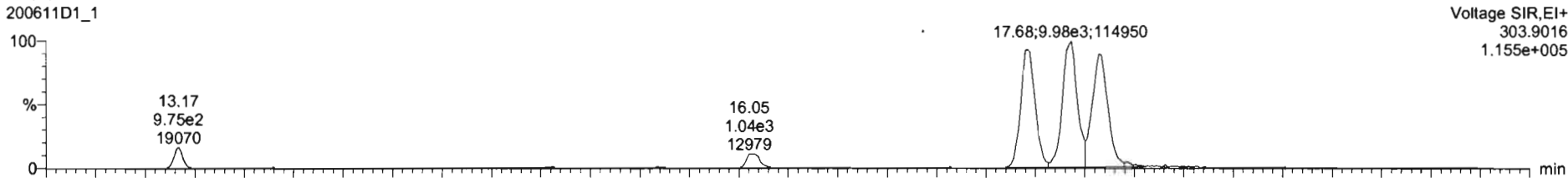
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_1.qld

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Printed: Thursday, June 11, 2020 12:12:12 Pacific Daylight Time

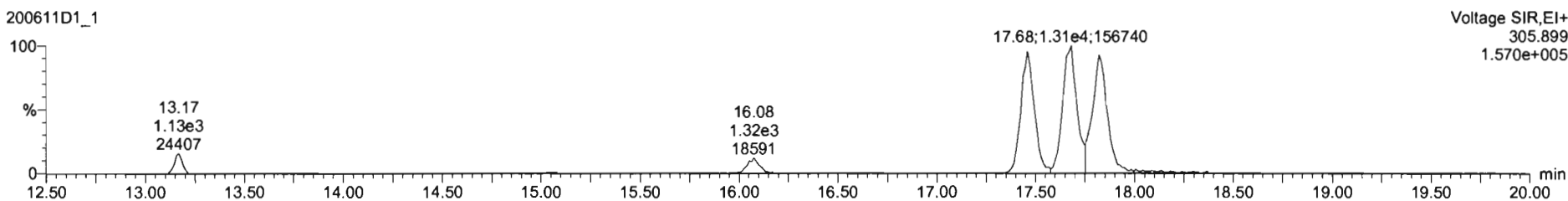
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_1, Date: 11-Jun-2020, Time: 11:16:25, ID: CP200611D1-1 DB-225 CPSM, Description: DB-225 CPSM

2,3,7,8-TCDF
200611D1_1

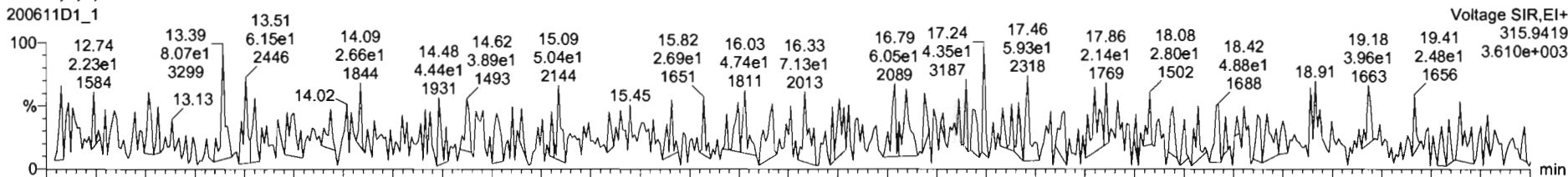


200611D1_1

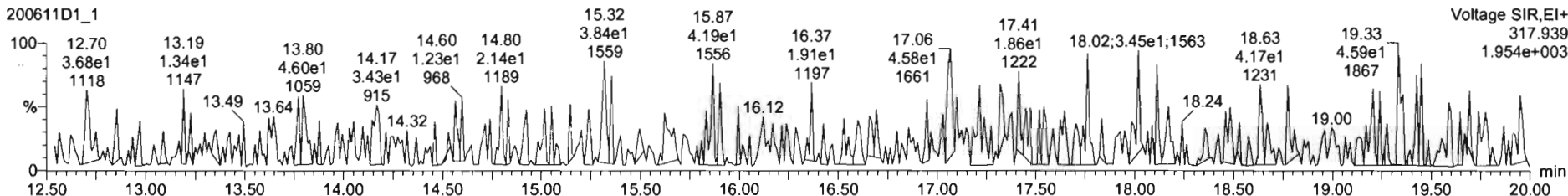


13C-2,3,7,8-TCDF

200611D1_1



200611D1_1

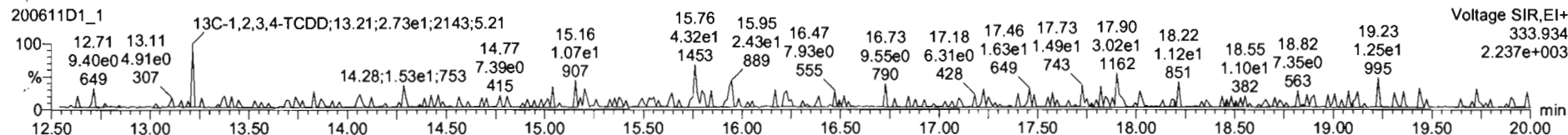
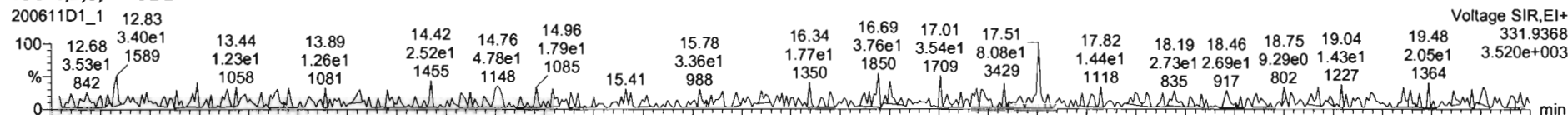


Dataset: U:\VG7.PRO\Results\200611D1\200611D1_1.qld

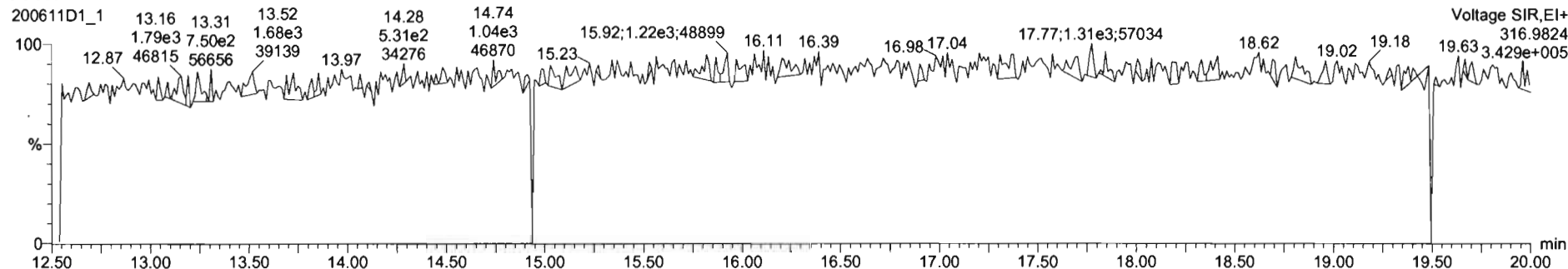
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Printed: Thursday, June 11, 2020 12:12:12 Pacific Daylight Time

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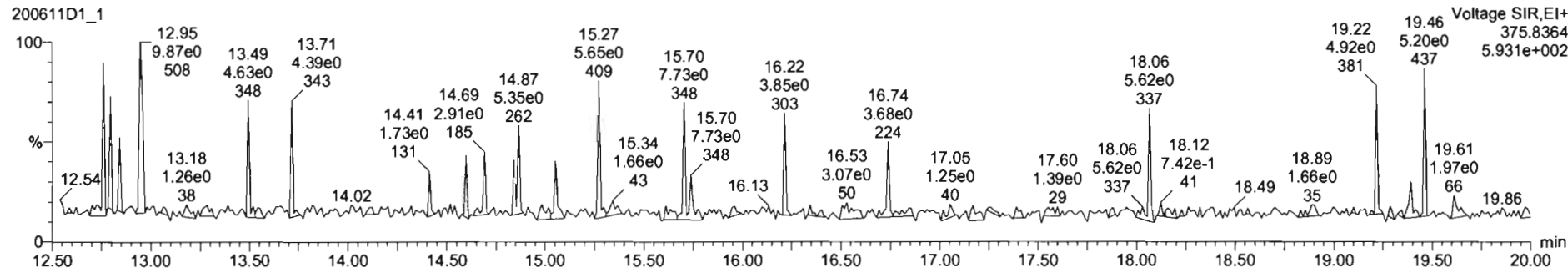
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_2.qld

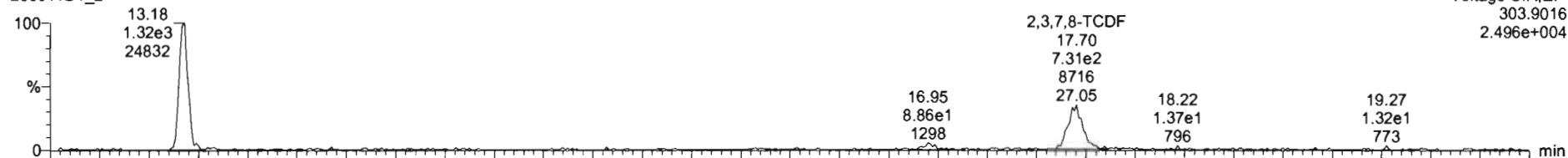
Last Altered: Thursday, June 11, 2020 12:09:27 Pacific Daylight Time
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Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

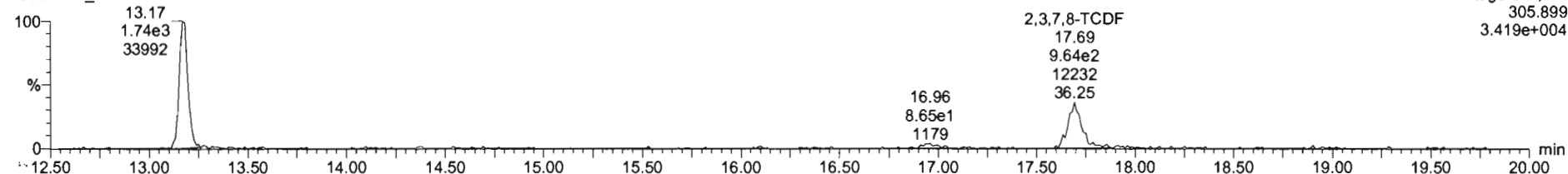
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2,3,7,8-TCDF

200611D1_2



200611D1_2

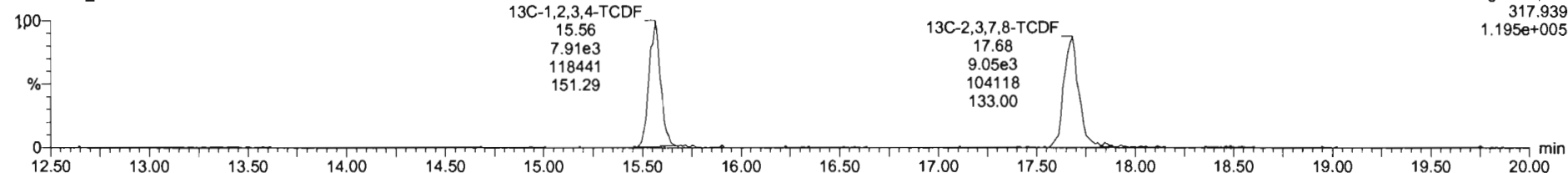


13C-2,3,7,8-TCDF

200611D1_2



200611D1_2



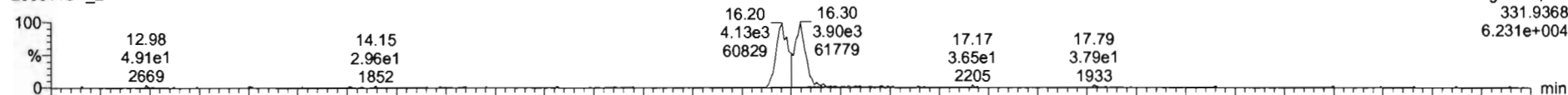
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Last Altered: Thursday, June 11, 2020 12:09:27 Pacific Daylight Time
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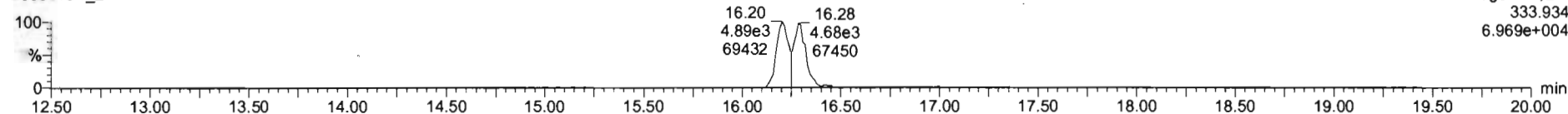
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13C-1,2,3,4-TCDD

200611D1_2

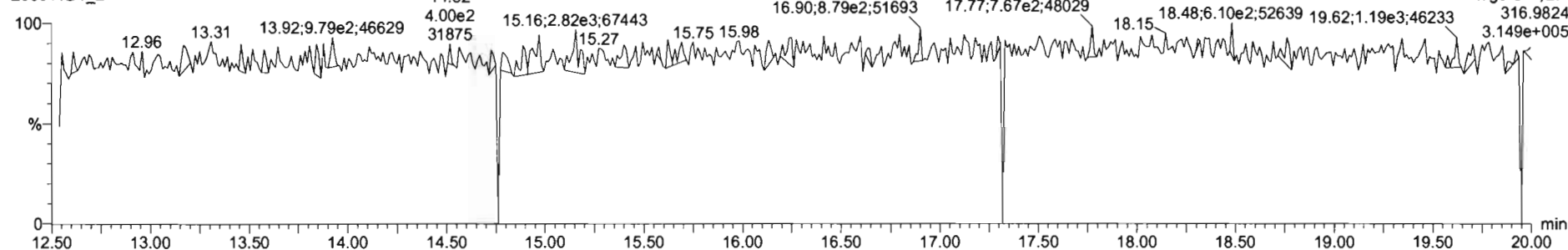


200611D1_2



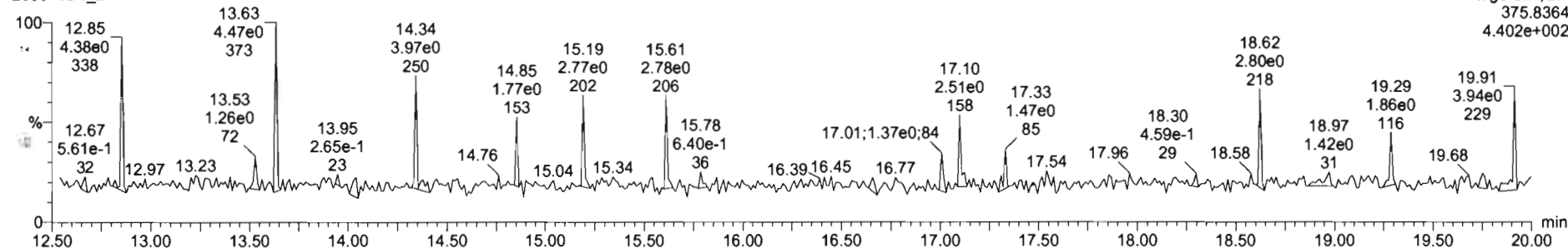
PFK1

200611D1_2



DPE1

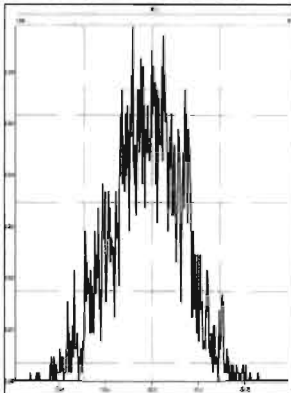
200611D1_2



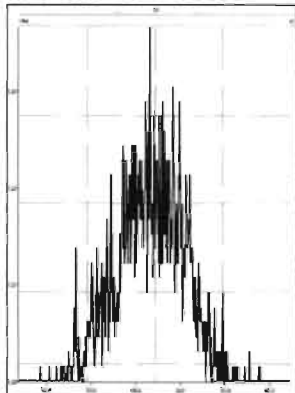
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, June 11, 2020 22:22:56 Pacific Daylight Time

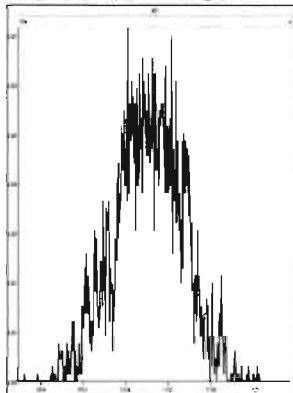
M 292.9824 R 10458



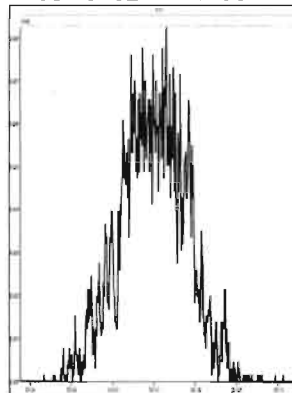
M 304.9824 R 10639



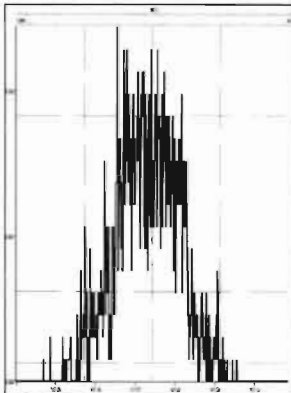
M 318.9792 R 10593



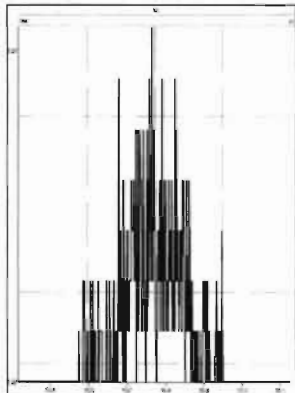
M 330.9792 R 11735



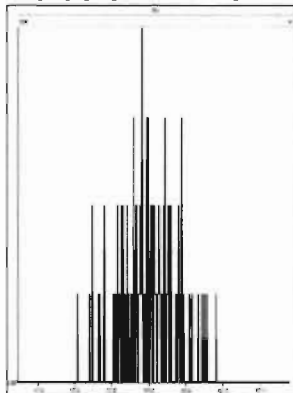
M 342.9792 R 12256



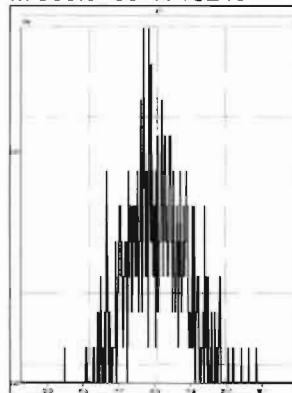
M 354.9792 R 19084



M 366.9792 R 71419



M 380.9760 R 15240



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

GRB 05/29/2020

CI 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

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

Response Factor: 0.88831
RRF SD: 0.0677802, Relative SD: 7.63025
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	0.250	0.68	NO	26.54	1.000	2.70e3	1.43e6	0.213	-14.8	0.757	bb
2	200528R2_2	0.500	0.78	NO	26.57	1.001	5.69e3	1.29e6	0.497	-0.6	0.883	bb
3	200528R2_3	2.00	0.80	NO	26.57	1.001	2.40e4	1.31e6	2.06	3.1	0.916	bb
4	200528R2_4	40.0	0.78	NO	26.56	1.001	5.50e5	1.50e6	41.2	3.0	0.915	bb
5	200528R2_5	300	0.78	NO	26.59	1.001	4.32e6	1.52e6	321	6.9	0.949	bb
6	200528R2_6	10.0	0.81	NO	26.59	1.001	1.06e5	1.16e6	10.2	2.4	0.910	dd

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.908065
RRF SD: 0.0455724, Relative SD: 5.01862
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	0.66	NO	31.50	1.000	1.03e4	1.00e6	1.12	-10.0	0.817	bb
2	200528R2_2	2.50	0.64	NO	31.51	1.000	2.12e4	9.36e5	2.50	-0.1	0.908	bb
3	200528R2_3	10.0	0.63	NO	31.51	1.000	8.60e4	9.29e5	10.2	1.9	0.926	bb
4	200528R2_4	200	0.63	NO	31.51	1.000	2.06e6	1.11e6	205	2.4	0.930	bb
5	200528R2_5	1500	0.63	NO	31.51	1.000	1.69e7	1.21e6	1550	3.0	0.935	bb
6	200528R2_6	50.0	0.62	NO	31.53	1.001	3.95e5	8.48e5	51.3	2.7	0.932	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.03343

RRF SD: 0.0545572, Relative SD: 5.27925

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.27	NO	34.86	1.000	8.03e3	6.95e5	1.12	-10.6	0.924	MM
2	200528R2_2	2.50	1.27	NO	34.88	1.000	1.69e4	6.46e5	2.53	1.2	1.05	bd
3	200528R2_3	10.0	1.24	NO	34.88	1.000	6.94e4	6.61e5	10.2	1.6	1.05	bd
4	200528R2_4	200	1.23	NO	34.88	1.001	1.67e6	7.89e5	204	2.1	1.06	MM
5	200528R2_5	1500	1.23	NO	34.88	1.000	1.47e7	9.34e5	1520	1.5	1.05	bd
6	200528R2_6	50.0	1.23	NO	34.89	1.000	3.25e5	6.04e5	52.1	4.1	1.08	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.892293

RRF SD: 0.0561127, Relative SD: 6.28859

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.23	NO	34.97	1.001	9.27e3	9.27e5	1.12	-10.3	0.800	db
2	200528R2_2	2.50	1.25	NO	34.99	1.001	1.90e4	8.61e5	2.47	-1.1	0.883	db
3	200528R2_3	10.0	1.24	NO	34.99	1.000	8.01e4	8.39e5	10.7	7.0	0.954	db
4	200528R2_4	200	1.22	NO	34.99	1.001	1.92e6	1.03e6	209	4.3	0.931	MM
5	200528R2_5	1500	1.23	NO	34.99	1.000	1.61e7	1.17e6	1550	3.5	0.923	db
6	200528R2_6	50.0	1.24	NO	35.00	1.001	3.51e5	8.15e5	48.3	-3.4	0.862	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.886936

RRF SD: 0.0582559, Relative SD: 6.56822

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.20	NO	35.25	1.000	8.14e3	8.33e5	1.10	-11.9	0.782	bb
2	200528R2_2	2.50	1.21	NO	35.27	1.001	1.62e4	7.48e5	2.44	-2.3	0.866	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.26	NO	35.26	1.000	7.01e4	7.53e5	10.5	4.9	0.931	bb
4	200528R2_4	200	1.20	NO	35.26	1.000	1.70e6	9.12e5	210	4.9	0.931	bb
5	200528R2_5	1500	1.22	NO	35.27	1.000	1.47e7	1.06e6	1570	4.5	0.927	bb
6	200528R2_6	50.0	1.24	NO	35.27	1.000	3.12e5	7.05e5	49.9	-0.2	0.886	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.863903

RRF SD: 0.0694586, Relative SD: 8.04009

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	0.99	NO	38.78	1.000	6.10e3	6.48e5	1.09	-12.8	0.753	MM
2	200528R2_2	2.50	1.05	NO	38.81	1.001	1.21e4	6.01e5	2.33	-6.7	0.806	bb
3	200528R2_3	10.0	1.03	NO	38.80	1.000	4.99e4	5.57e5	10.4	3.7	0.896	bd
4	200528R2_4	200	1.02	NO	38.80	1.000	1.25e6	6.86e5	211	5.5	0.911	bb
5	200528R2_5	1500	1.01	NO	38.81	1.000	1.15e7	8.18e5	1620	8.0	0.933	bb
6	200528R2_6	50.0	1.03	NO	38.81	1.000	2.29e5	5.18e5	51.2	2.4	0.884	MM

Compound name: OCDD

Response Factor: 0.913637

RRF SD: 0.0452527, Relative SD: 4.95303

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	2.50	0.85	NO	41.76	1.000	1.23e4	1.18e6	2.27	-9.1	0.831	bd
2	200528R2_2	5.00	0.83	NO	41.77	1.000	2.39e4	1.05e6	4.97	-0.6	0.908	bd
3	200528R2_3	20.0	0.89	NO	41.78	1.000	9.89e4	1.03e6	21.0	4.9	0.959	MM
4	200528R2_4	400	0.87	NO	41.77	1.000	2.45e6	1.35e6	397	-0.6	0.908	MM
5	200528R2_5	3000	0.84	NO	41.79	1.000	2.37e7	1.67e6	3100	3.2	0.943	MM
6	200528R2_6	100	0.88	NO	41.78	1.000	4.53e5	9.71e5	102	2.2	0.933	MM

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

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

Response Factor: 0.75098

RF SD: 0.0524401, Relative SD: 6.98288

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	0.250	0.73	NO	25.67	1.001	3.27e3	1.95e6	0.223	-10.9	0.669	bb
2	200528R2_2	0.500	0.75	NO	25.67	1.001	6.53e3	1.78e6	0.488	-2.3	0.733	bb
3	200528R2_3	2.00	0.74	NO	25.68	1.001	2.67e4	1.80e6	1.97	-1.4	0.740	bb
4	200528R2_4	40.0	0.76	NO	25.68	1.001	6.52e5	2.04e6	42.6	6.5	0.800	bb
5	200528R2_5	300	0.75	NO	25.69	1.001	5.00e6	2.04e6	326	8.6	0.816	bb
6	200528R2_6	10.0	0.74	NO	25.69	1.001	1.19e5	1.59e6	9.96	-0.4	0.748	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.892531

RRF SD: 0.0599961, Relative SD: 6.72201

Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.61	NO	30.20	1.000	1.46e4	1.50e6	1.09	-12.9	0.777	bb
2	200528R2_2	2.50	1.55	NO	30.23	1.000	3.08e4	1.37e6	2.52	0.8	0.900	bd
3	200528R2_3	10.0	1.55	NO	30.23	1.000	1.31e5	1.38e6	10.7	7.0	0.955	bb
4	200528R2_4	200	1.54	NO	30.23	1.000	2.94e6	1.63e6	203	1.4	0.905	bb
5	200528R2_5	1500	1.54	NO	30.23	1.000	2.38e7	1.75e6	1520	1.3	0.904	bb
6	200528R2_6	50.0	1.57	NO	30.25	1.000	5.72e5	1.25e6	51.2	2.5	0.915	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.934777

RRF SD: 0.0507076, Relative SD: 5.42456

Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.56	NO	31.19	1.000	1.48e4	1.42e6	1.12	-10.8	0.834	bb
2	200528R2_2	2.50	1.55	NO	31.21	1.000	3.19e4	1.35e6	2.52	0.8	0.943	bd

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.55	NO	31.21	1.000	1.34e5	1.38e6	10.4	3.7	0.969	bb
4	200528R2_4	200	1.54	NO	31.21	1.000	3.00e6	1.57e6	204	2.2	0.955	bb
5	200528R2_5	1500	1.53	NO	31.21	1.000	2.45e7	1.69e6	1550	3.4	0.967	bb
6	200528R2_6	50.0	1.57	NO	31.22	1.000	5.81e5	1.24e6	50.3	0.7	0.941	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.884459
 RRF SD: 0.0674086, Relative SD: 7.62145
 Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.25	NO	33.99	1.001	8.98e3	9.42e5	1.08	-13.8	0.762	bd
2	200528R2_2	2.50	1.19	NO	33.99	1.000	1.81e4	8.49e5	2.41	-3.7	0.852	bd
3	200528R2_3	10.0	1.22	NO	34.01	1.001	7.91e4	8.47e5	10.6	5.6	0.934	bd
4	200528R2_4	200	1.18	NO	33.99	1.000	1.87e6	1.02e6	208	3.9	0.919	bd
5	200528R2_5	1500	1.19	NO	34.01	1.000	1.61e7	1.15e6	1590	5.8	0.936	bd
6	200528R2_6	50.0	1.21	NO	34.01	1.000	3.56e5	7.87e5	51.1	2.2	0.904	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.889174
 RRF SD: 0.0479606, Relative SD: 5.39384
 Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.16	NO	34.11	1.001	1.07e4	1.07e6	1.12	-10.7	0.794	MM
2	200528R2_2	2.50	1.25	NO	34.12	1.000	2.16e4	9.70e5	2.50	0.1	0.890	MM
3	200528R2_3	10.0	1.28	NO	34.12	1.000	9.20e4	1.01e6	10.3	2.7	0.914	MM
4	200528R2_4	200	1.18	NO	34.12	1.001	2.16e6	1.18e6	206	2.8	0.914	db
5	200528R2_5	1500	1.19	NO	34.12	1.000	1.80e7	1.33e6	1520	1.2	0.900	db
6	200528R2_6	50.0	1.25	NO	34.13	1.000	4.22e5	9.14e5	51.9	3.8	0.923	MM

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.934102
 RRF SD: 0.0631666, Relative SD: 6.76228
 Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.09	NO	34.70	1.001	9.51e3	9.22e5	1.10	-11.7	0.825	bb
2	200528R2_2	2.50	1.26	NO	34.71	1.001	1.93e4	8.66e5	2.38	-4.7	0.890	bb
3	200528R2_3	10.0	1.25	NO	34.71	1.000	8.53e4	8.69e5	10.5	5.2	0.982	bd
4	200528R2_4	200	1.19	NO	34.71	1.001	2.00e6	1.04e6	207	3.3	0.965	bb
5	200528R2_5	1500	1.19	NO	34.72	1.001	1.72e7	1.18e6	1560	4.1	0.972	bb
6	200528R2_6	50.0	1.25	NO	34.72	1.000	3.88e5	8.00e5	51.9	3.9	0.971	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.870707
 RRF SD: 0.0533625, Relative SD: 6.12863
 Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.19	NO	35.61	1.001	7.48e3	7.73e5	1.11	-11.0	0.775	bb
2	200528R2_2	2.50	1.12	NO	35.61	1.000	1.48e4	7.04e5	2.42	-3.1	0.844	bb
3	200528R2_3	10.0	1.24	NO	35.62	1.000	6.49e4	7.27e5	10.3	2.5	0.892	bd
4	200528R2_4	200	1.20	NO	35.62	1.001	1.60e6	8.84e5	208	3.9	0.904	bb
5	200528R2_5	1500	1.20	NO	35.63	1.000	1.40e7	1.02e6	1580	5.6	0.919	bb
6	200528R2_6	50.0	1.22	NO	35.63	1.000	2.98e5	6.70e5	51.1	2.2	0.890	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.873391
 RRF SD: 0.0600077, Relative SD: 6.87065
 Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.03	NO	37.37	1.000	6.77e3	7.13e5	1.09	-13.1	0.759	bb
2	200528R2_2	2.50	0.94	NO	37.40	1.001	1.40e4	6.49e5	2.48	-0.9	0.866	bb

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Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.00	NO	37.40	1.001	5.72e4	6.48e5	10.1	1.0	0.883	bd
4	200528R2_4	200	0.99	NO	37.39	1.000	1.43e6	7.67e5	213	6.5	0.930	bb
5	200528R2_5	1500	1.00	NO	37.40	1.000	1.28e7	9.39e5	1560	3.7	0.906	bb
6	200528R2_6	50.0	0.98	NO	37.41	1.001	2.64e5	5.89e5	51.4	2.7	0.897	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.01285

RRF SD: 0.106215, Relative SD: 10.4867

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	0.99	NO	39.33	1.001	5.26e3	5.09e5	1.02	-18.4	0.827	bb
2	200528R2_2	2.50	0.98	NO	39.33	1.000	1.03e4	4.36e5	2.33	-6.7	0.945	bb
3	200528R2_3	10.0	1.01	NO	39.34	1.000	4.43e4	4.19e5	10.4	4.3	1.06	MM
4	200528R2_4	200	0.98	NO	39.33	1.000	1.13e6	5.18e5	214	7.2	1.09	bb
5	200528R2_5	1500	1.00	NO	39.34	1.000	1.05e7	6.39e5	1620	8.2	1.10	bb
6	200528R2_6	50.0	0.98	NO	39.34	1.000	2.00e5	3.75e5	52.7	5.4	1.07	bb

Compound name: OCDF

Response Factor: 0.806476

RRF SD: 0.0306481, Relative SD: 3.80025

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	2.50	0.87	NO	41.96	1.000	1.27e4	1.35e6	2.33	-6.6	0.753	bb
2	200528R2_2	5.00	0.84	NO	41.96	1.000	2.40e4	1.22e6	4.89	-2.2	0.789	bb
3	200528R2_3	20.0	0.86	NO	41.96	1.000	9.80e4	1.18e6	20.6	3.0	0.831	bb
4	200528R2_4	400	0.87	NO	41.96	1.000	2.54e6	1.57e6	402	0.5	0.810	bb
5	200528R2_5	3000	0.88	NO	41.98	1.000	2.39e7	1.92e6	3090	3.1	0.831	bb
6	200528R2_6	100	0.85	NO	41.97	1.000	4.44e5	1.08e6	102	2.3	0.825	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.15633

RRF SD: 0.0999567, Relative SD: 8.64433

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.80	NO	26.54	1.026	1.43e6	1.11e6	111	11.2	1.29	bb
2	200528R2_2	100	0.79	NO	26.54	1.025	1.29e6	1.24e6	89.8	-10.2	1.04	bb
3	200528R2_3	100	0.79	NO	26.54	1.025	1.31e6	1.26e6	89.8	-10.2	1.04	bb
4	200528R2_4	100	0.79	NO	26.54	1.025	1.50e6	1.26e6	103	2.8	1.19	bb
5	200528R2_5	100	0.78	NO	26.56	1.025	1.52e6	1.24e6	106	5.5	1.22	bb
6	200528R2_6	100	0.79	NO	26.56	1.025	1.16e6	9.95e5	101	0.8	1.17	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.848975

RRF SD: 0.0899186, Relative SD: 10.5914

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.64	NO	31.48	1.216	1.00e6	1.11e6	107	6.6	0.905	bb
2	200528R2_2	100	0.63	NO	31.50	1.216	9.36e5	1.24e6	88.7	-11.3	0.753	bb
3	200528R2_3	100	0.63	NO	31.50	1.216	9.29e5	1.26e6	86.8	-13.2	0.737	bb
4	200528R2_4	100	0.64	NO	31.50	1.216	1.11e6	1.26e6	103	3.3	0.877	bb
5	200528R2_5	100	0.64	NO	31.50	1.215	1.21e6	1.24e6	114	14.3	0.970	bb
6	200528R2_6	100	0.64	NO	31.50	1.215	8.48e5	9.95e5	100	0.3	0.852	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.778953

RRF SD: 0.096377, Relative SD: 12.3726

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.27	NO	34.85	1.014	6.95e5	8.40e5	106	6.2	0.827	bd
2	200528R2_2	100	1.28	NO	34.87	1.014	6.46e5	9.66e5	85.9	-14.1	0.669	bd

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Compound name: 13C-1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	100	1.27	NO	34.87	1.014	6.61e5	9.75e5	87.0	-13.0	0.678	bd
4	200528R2_4	100	1.28	NO	34.86	1.014	7.89e5	9.81e5	103	3.4	0.805	bd
5	200528R2_5	100	1.28	NO	34.87	1.014	9.34e5	1.01e6	119	18.6	0.924	bd
6	200528R2_6	100	1.27	NO	34.88	1.014	6.04e5	7.84e5	98.9	-1.1	0.770	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 1.01669

RRF SD: 0.116266, Relative SD: 11.4358

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.27	NO	34.95	1.017	9.27e5	8.40e5	108	8.5	1.10	db
2	200528R2_2	100	1.27	NO	34.96	1.017	8.61e5	9.66e5	87.7	-12.3	0.891	db
3	200528R2_3	100	1.26	NO	34.97	1.017	8.39e5	9.75e5	84.7	-15.3	0.861	db
4	200528R2_4	100	1.25	NO	34.96	1.017	1.03e6	9.81e5	104	3.5	1.05	db
5	200528R2_5	100	1.27	NO	34.97	1.017	1.17e6	1.01e6	113	13.4	1.15	db
6	200528R2_6	100	1.23	NO	34.97	1.017	8.15e5	7.84e5	102	2.3	1.04	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.902653

RRF SD: 0.11238, Relative SD: 12.45

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.23	NO	35.24	1.025	8.33e5	8.40e5	110	9.8	0.991	bb
2	200528R2_2	100	1.26	NO	35.25	1.025	7.48e5	9.66e5	85.8	-14.2	0.774	bb
3	200528R2_3	100	1.28	NO	35.25	1.025	7.53e5	9.75e5	85.6	-14.4	0.773	bd
4	200528R2_4	100	1.23	NO	35.25	1.025	9.12e5	9.81e5	103	3.1	0.930	MM
5	200528R2_5	100	1.26	NO	35.26	1.025	1.06e6	1.01e6	116	16.1	1.05	bb
6	200528R2_6	100	1.18	NO	35.26	1.025	7.05e5	7.84e5	99.6	-0.4	0.899	bb

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

Response Factor: 0.689179
 RRF SD: 0.0899136, Relative SD: 13.0465
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.06	NO	38.77	1.128	6.48e5	8.40e5	112	11.9	0.771	MM
2	200528R2_2	100	1.04	NO	38.78	1.128	6.01e5	9.66e5	90.2	-9.8	0.622	bd
3	200528R2_3	100	1.12	NO	38.79	1.128	5.57e5	9.75e5	83.0	-17.0	0.572	bd
4	200528R2_4	100	1.04	NO	38.78	1.128	6.86e5	9.81e5	102	1.6	0.700	MM
5	200528R2_5	100	1.03	NO	38.80	1.128	8.18e5	1.01e6	117	17.4	0.809	bb
6	200528R2_6	100	1.04	NO	38.80	1.128	5.18e5	7.84e5	95.9	-4.1	0.661	bd

Compound name: 13C-OCDD

Response Factor: 0.652099
 RRF SD: 0.111511, Relative SD: 17.1002
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	200	0.89	NO	41.75	1.215	1.18e6	8.40e5	216	7.8	0.703	MM
2	200528R2_2	200	0.89	NO	41.76	1.215	1.05e6	9.66e5	167	-16.3	0.546	MM
3	200528R2_3	200	0.91	NO	41.76	1.214	1.03e6	9.75e5	162	-18.9	0.529	bd
4	200528R2_4	200	0.90	NO	41.76	1.215	1.35e6	9.81e5	211	5.7	0.689	bd
5	200528R2_5	200	0.93	NO	41.78	1.215	1.67e6	1.01e6	254	26.9	0.827	bd
6	200528R2_6	200	0.88	NO	41.77	1.215	9.71e5	7.84e5	190	-5.1	0.619	bd

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.05898
 RRF SD: 0.0854755, Relative SD: 8.07146
 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.76	NO	25.65	0.991	1.95e6	1.65e6	112	12.1	1.19	bb
2	200528R2_2	100	0.77	NO	25.66	0.991	1.78e6	1.83e6	92.1	-7.9	0.975	bb

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Compound name: 13C-2,3,7,8-TCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	100	0.78	NO	25.66	0.991	1.80e6	1.89e6	90.1	-9.9	0.955	bb
4	200528R2_4	100	0.78	NO	25.66	0.991	2.04e6	1.91e6	101	1.0	1.07	bb
5	200528R2_5	100	0.78	NO	25.67	0.991	2.04e6	1.85e6	104	4.2	1.10	bb
6	200528R2_6	100	0.77	NO	25.68	0.991	1.59e6	1.49e6	101	0.5	1.06	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.837982

RRF SD: 0.0870192, Relative SD: 10.3844

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.59	NO	30.20	1.167	1.50e6	1.65e6	109	9.0	0.913	bb
2	200528R2_2	100	1.59	NO	30.22	1.167	1.37e6	1.83e6	89.3	-10.7	0.748	bb
3	200528R2_3	100	1.59	NO	30.22	1.167	1.38e6	1.89e6	86.9	-13.1	0.728	bb
4	200528R2_4	100	1.61	NO	30.22	1.167	1.63e6	1.91e6	102	1.9	0.854	bb
5	200528R2_5	100	1.63	NO	30.22	1.166	1.75e6	1.85e6	113	12.9	0.946	bb
6	200528R2_6	100	1.60	NO	30.23	1.166	1.25e6	1.49e6	100	0.0	0.838	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.816557

RRF SD: 0.0702322, Relative SD: 8.60101

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.60	NO	31.18	1.204	1.42e6	1.65e6	106	5.9	0.865	db
2	200528R2_2	100	1.57	NO	31.19	1.204	1.35e6	1.83e6	90.7	-9.3	0.741	db
3	200528R2_3	100	1.61	NO	31.19	1.204	1.38e6	1.89e6	89.4	-10.6	0.730	db
4	200528R2_4	100	1.61	NO	31.19	1.204	1.57e6	1.91e6	101	1.0	0.825	db
5	200528R2_5	100	1.60	NO	31.19	1.204	1.69e6	1.85e6	112	11.5	0.911	bb
6	200528R2_6	100	1.59	NO	31.21	1.204	1.24e6	1.49e6	101	1.4	0.828	db

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00752

RRF SD: 0.115021, Relative SD: 11.4162

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.50	NO	33.97	0.988	9.42e5	8.40e5	111	11.3	1.12	bd
2	200528R2_2	100	0.50	NO	33.98	0.988	8.49e5	9.66e5	87.2	-12.8	0.878	bd
3	200528R2_3	100	0.50	NO	33.98	0.988	8.47e5	9.75e5	86.2	-13.8	0.869	bd
4	200528R2_4	100	0.50	NO	33.98	0.988	1.02e6	9.81e5	103	3.0	1.04	bd
5	200528R2_5	100	0.50	NO	33.99	0.988	1.15e6	1.01e6	113	12.7	1.14	bd
6	200528R2_6	100	0.50	NO	33.99	0.988	7.87e5	7.84e5	99.6	-0.4	1.00	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.16702

RRF SD: 0.127304, Relative SD: 10.9085

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.50	NO	34.09	0.992	1.07e6	8.40e5	110	9.5	1.28	db
2	200528R2_2	100	0.51	NO	34.11	0.992	9.70e5	9.66e5	86.1	-13.9	1.00	db
3	200528R2_3	100	0.51	NO	34.11	0.992	1.01e6	9.75e5	88.5	-11.5	1.03	db
4	200528R2_4	100	0.51	NO	34.10	0.992	1.18e6	9.81e5	103	3.1	1.20	db
5	200528R2_5	100	0.51	NO	34.11	0.992	1.33e6	1.01e6	113	13.0	1.32	db
6	200528R2_6	100	0.50	NO	34.12	0.992	9.14e5	7.84e5	99.8	-0.2	1.17	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02186

RRF SD: 0.110658, Relative SD: 10.829

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.51	NO	34.68	1.009	9.22e5	8.40e5	107	7.4	1.10	bb
2	200528R2_2	100	0.50	NO	34.69	1.009	8.66e5	9.66e5	87.7	-12.3	0.896	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	100	0.51	NO	34.70	1.009	8.69e5	9.75e5	87.2	-12.8	0.891	bb
4	200528R2_4	100	0.51	NO	34.69	1.009	1.04e6	9.81e5	104	3.6	1.06	bb
5	200528R2_5	100	0.50	NO	34.70	1.009	1.18e6	1.01e6	114	14.3	1.17	bb
6	200528R2_6	100	0.51	NO	34.71	1.009	8.00e5	7.84e5	99.8	-0.2	1.02	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.859541

RRF SD: 0.107178, Relative SD: 12.4692

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.51	NO	35.59	1.036	7.73e5	8.40e5	107	7.0	0.919	MM
2	200528R2_2	100	0.50	NO	35.61	1.036	7.04e5	9.66e5	84.8	-15.2	0.729	MM
3	200528R2_3	100	0.50	NO	35.61	1.036	7.27e5	9.75e5	86.8	-13.2	0.746	MM
4	200528R2_4	100	0.49	NO	35.60	1.036	8.84e5	9.81e5	105	4.9	0.902	bb
5	200528R2_5	100	0.51	NO	35.62	1.036	1.02e6	1.01e6	117	17.3	1.01	bb
6	200528R2_6	100	0.51	NO	35.63	1.036	6.70e5	7.84e5	99.3	-0.7	0.854	bd

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

Response Factor: 0.774499

RRF SD: 0.102271, Relative SD: 13.2048

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.44	NO	37.37	1.087	7.13e5	8.40e5	110	9.6	0.849	bd
2	200528R2_2	100	0.42	NO	37.38	1.087	6.49e5	9.66e5	86.7	-13.3	0.672	bb
3	200528R2_3	100	0.44	NO	37.38	1.087	6.48e5	9.75e5	85.9	-14.1	0.665	bd
4	200528R2_4	100	0.44	NO	37.38	1.087	7.67e5	9.81e5	101	0.9	0.782	bb
5	200528R2_5	100	0.44	NO	37.39	1.087	9.39e5	1.01e6	120	19.9	0.928	bd
6	200528R2_6	100	0.43	NO	37.39	1.087	5.89e5	7.84e5	97.0	-3.0	0.751	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.520991

RRF SD: 0.083066, Relative SD: 15.9439

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.43	NO	39.31	1.144	5.09e5	8.40e5	116	16.3	0.606	MM
2	200528R2_2	100	0.42	NO	39.32	1.144	4.36e5	9.66e5	86.7	-13.3	0.452	bb
3	200528R2_3	100	0.42	NO	39.33	1.144	4.19e5	9.75e5	82.5	-17.5	0.430	MM
4	200528R2_4	100	0.42	NO	39.32	1.144	5.18e5	9.81e5	101	1.4	0.529	MM
5	200528R2_5	100	0.44	NO	39.33	1.144	6.39e5	1.01e6	121	21.3	0.632	bb
6	200528R2_6	100	0.43	NO	39.34	1.144	3.75e5	7.84e5	91.8	-8.2	0.478	bd

Compound name: 13C-OCDF

Response Factor: 0.745653

RRF SD: 0.129429, Relative SD: 17.3579

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	200	0.87	NO	41.94	1.220	1.35e6	8.40e5	215	7.6	0.803	bb
2	200528R2_2	200	0.83	NO	41.95	1.220	1.22e6	9.66e5	169	-15.4	0.631	bb
3	200528R2_3	200	0.90	NO	41.96	1.220	1.18e6	9.75e5	162	-18.8	0.605	bd
4	200528R2_4	200	0.88	NO	41.95	1.220	1.57e6	9.81e5	215	7.3	0.800	MM
5	200528R2_5	200	0.88	NO	41.97	1.220	1.92e6	1.01e6	254	27.2	0.949	bb
6	200528R2_6	200	0.90	NO	41.96	1.220	1.08e6	7.84e5	184	-7.9	0.687	MM

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.03685

RRF SD: 0.126311, Relative SD: 12.1822

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	0.250			26.57	1.027	2.71e3	1.11e6	0.235	-5.9	0.976	bb
2	200528R2_2	0.500			26.56	1.025	5.67e3	1.24e6	0.440	-11.9	0.913	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

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Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	2.00			26.57	1.026	2.30e4	1.26e6	1.76	-12.0	0.912	bd
4	200528R2_4	40.0			26.56	1.025	5.78e5	1.26e6	44.1	10.2	1.14	bb
5	200528R2_5	200			26.57	1.025	3.03e6	1.24e6	235	17.7	1.22	bb
6	200528R2_6	10.0			26.59	1.026	1.05e5	9.95e5	10.2	2.1	1.06	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.80	NO	25.89	1.000	1.11e6	1.11e6	100	0.0	1.00	bb
2	200528R2_2	100	0.81	NO	25.90	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
3	200528R2_3	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
4	200528R2_4	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
5	200528R2_5	100	0.80	NO	25.92	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
6	200528R2_6	100	0.80	NO	25.92	1.000	9.95e5	9.95e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.78	NO	24.22	1.000	1.65e6	1.65e6	100	0.0	1.00	bb
2	200528R2_2	100	0.78	NO	24.22	1.000	1.83e6	1.83e6	100	0.0	1.00	bb
3	200528R2_3	100	0.78	NO	24.22	1.000	1.89e6	1.89e6	100	0.0	1.00	bb
4	200528R2_4	100	0.79	NO	24.22	1.000	1.91e6	1.91e6	100	0.0	1.00	bb
5	200528R2_5	100	0.79	NO	24.24	1.000	1.85e6	1.85e6	100	0.0	1.00	bb
6	200528R2_6	100	0.77	NO	24.24	1.000	1.49e6	1.49e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
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Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.50	NO	34.37	1.000	8.40e5	8.40e5	100	0.0	1.00	bb
2	200528R2_2	100	0.51	NO	34.38	1.000	9.66e5	9.66e5	100	0.0	1.00	bb
3	200528R2_3	100	0.51	NO	34.39	1.000	9.75e5	9.75e5	100	0.0	1.00	bb
4	200528R2_4	100	0.51	NO	34.38	1.000	9.81e5	9.81e5	100	0.0	1.00	bb
5	200528R2_5	100	0.51	NO	34.39	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
6	200528R2_6	100	0.50	NO	34.39	1.000	7.84e5	7.84e5	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

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

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.59
2	2 1,2,8,9-TCDD (Last)	27.53
3	3 1,2,4,7,9-PeCDD (First)	29.32
4	4 1,2,3,8,9-PeCDD (Last)	31.89
5	5 1,2,4,6,7,9-HxCDD (First)	33.39
6	6 1,2,3,7,8,9-HxCDD (Last)	35.27
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.81
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.81
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.68
11	11 1,3,4,6,8-PeCDF (First)	27.64
12	12 1,2,3,8,9-PeCDF (Last)	32.14
13	13 1,2,3,4,6,8-HxCDF (First)	32.83
14	14 1,2,3,7,8,9-HxCDF (Last)	35.63
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.41
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.34

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

GRB 05/29/2020

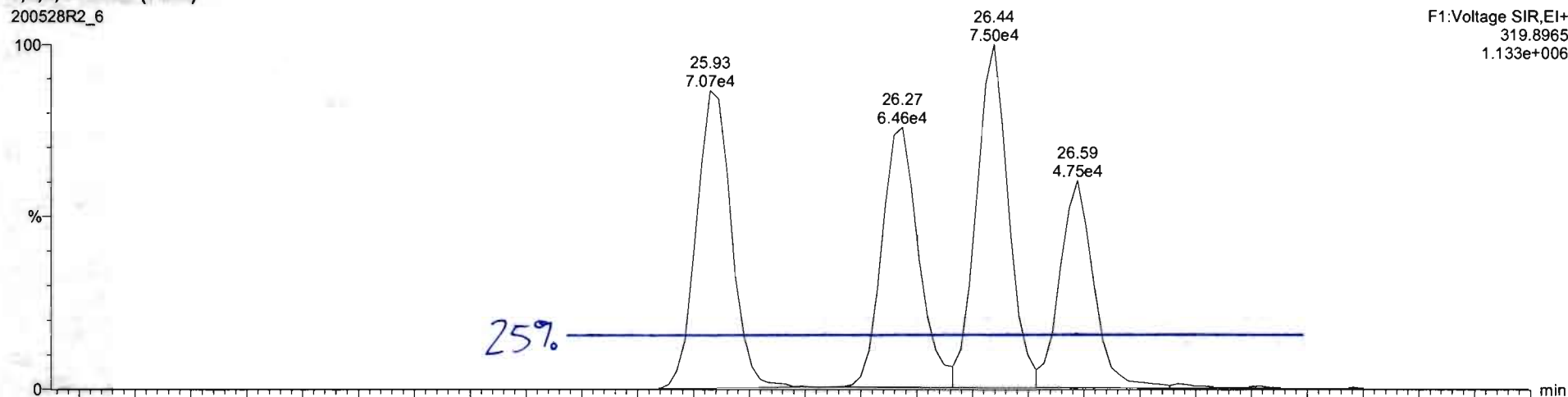
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

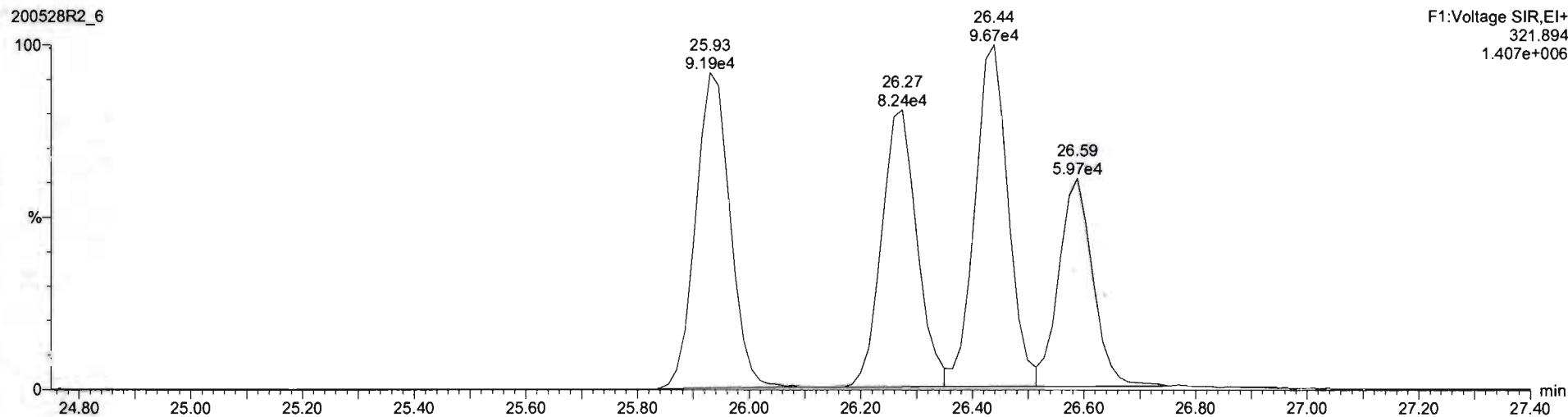
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200528R2_6



200528R2_6



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, May 29, 2020 8:08:41 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 8:08:46 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

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

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

	Name	ID	Acq.Date	Acq.Time
1	200528R2_1	ST200528R2_1 1613 CS0 19L2302	28-May-20	11:53:52
2	200528R2_2	ST200528R2_2 1613 CS1 19L2303	28-May-20	12:41:31
3	200528R2_3	ST200528R2_3 1613 CS2 19L2304	28-May-20	13:28:43
4	200528R2_4	ST200528R2_4 1613 CS4 19L2306	28-May-20	14:15:50
5	200528R2_5	ST200528R2_5 1613 CS5 19L2307	28-May-20	15:02:56
6	200528R2_6	ST200528R2_6 1613 CS3 19L2305	28-May-20	15:50:32
7	200528R2_7	SOLVENT BLANK	28-May-20	16:37:46
8	200528R2_8	SS200528R2_1 1613 SSS 19L2308	28-May-20	17:24:01
9	200528R2_9	B0E0131-BS1 OPR 1	28-May-20	18:10:13
10	200528R2_10	B0E0165-BS1 OPR 1	28-May-20	18:56:26
11	200528R2_11	B0E0127-BS1 OPR 1	28-May-20	19:42:36
12	200528R2_12	B0E0180-BS1 OPR 10	28-May-20	20:28:48
13	200528R2_13	SOLVENT BLANK	28-May-20	21:15:00
14	200528R2_14	B0E0180-BLK1 Method Blank 10	28-May-20	22:01:12
15	200528R2_15	B0E0131-BLK1 Method Blank 1	28-May-20	22:47:24
16	200528R2_16	B0E0165-BLK1 Method Blank 1	28-May-20	23:33:37
17	200528R2_17	B0E0127-BLK1 Method Blank 1	29-May-20	00:19:48
18	200528R2_18	2001052-01 ZID-001 1.00002	29-May-20	01:06:00
19	200528R2_19	2001031-01 Forebay Composite (24hr) 0.95078	29-May-20	01:52:12
20	200528R2_20	2001092-01 OF-031A BiWeekly Composite D/...	29-May-20	02:38:24

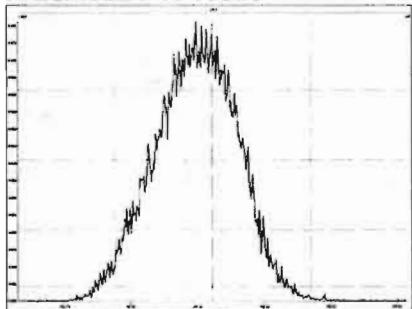
Experiment Calibration Report

MassLynx 4.1 SCN815

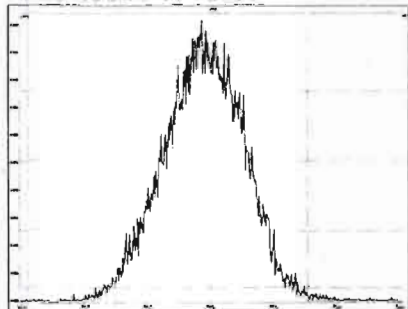
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Printed: Thursday, May 28, 2020 11:48:59 Pacific Daylight Time

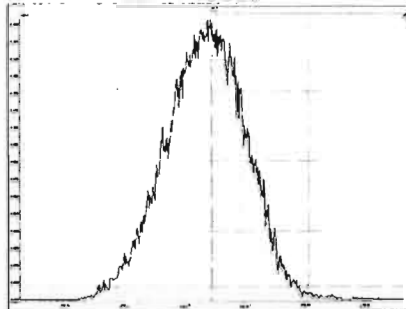
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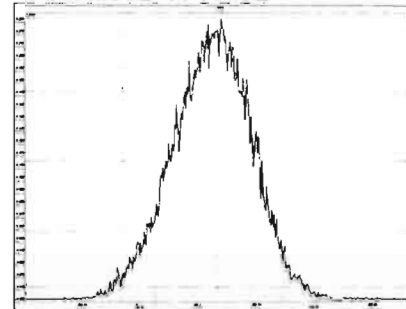
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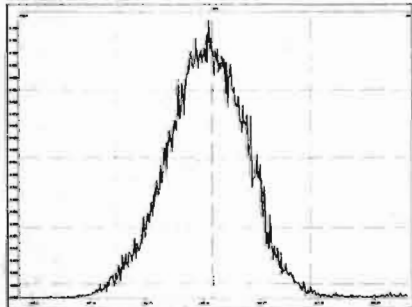
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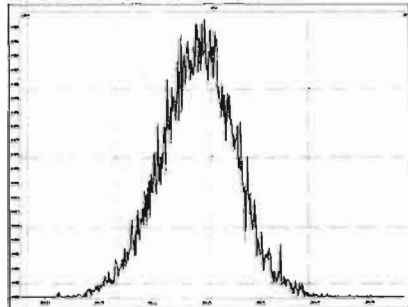
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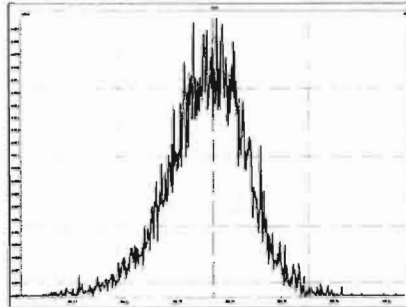
M 342.9792 R 10247



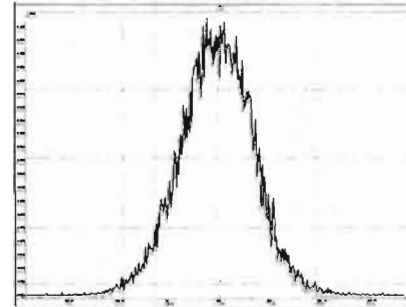
M 354.9792 R 10330



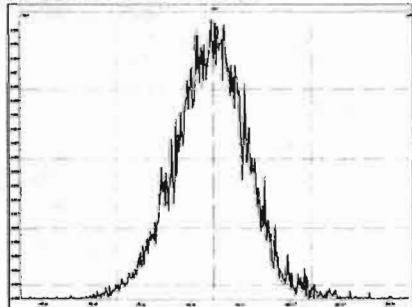
M 366.9792 R 11417



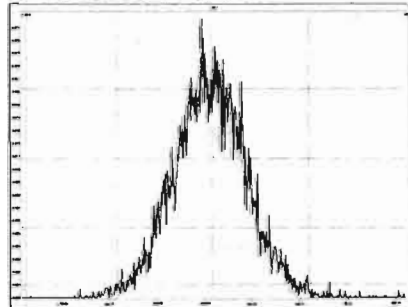
M 380.9760 R 11062



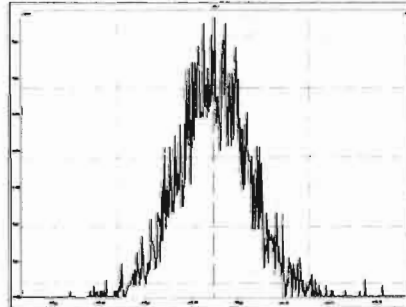
M 392.9760 R 11790



M 404.9760 R 12316



M 416.9760 R 12754



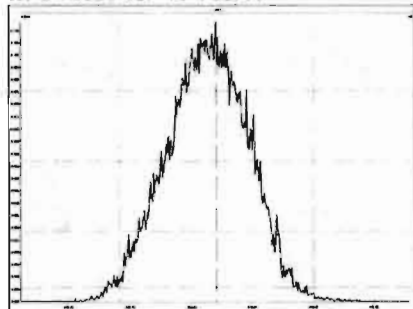
Experiment Calibration Report

MassLynx 4.1 SCN815

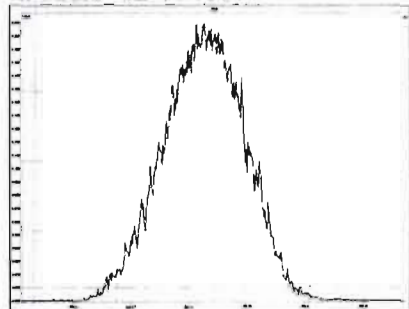
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:49:33 Pacific Daylight Time

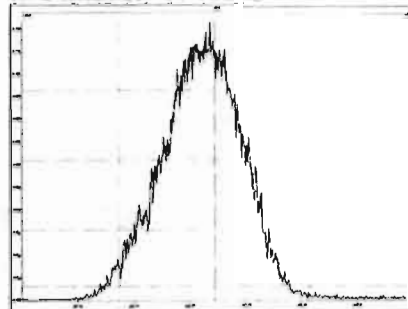
M 318.9792 R 10247



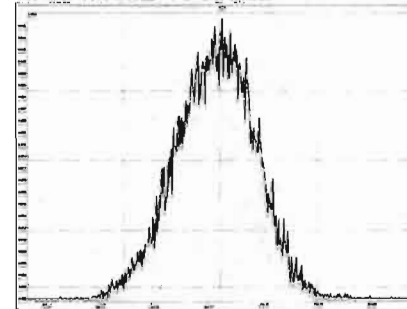
M 330.9792 R 10372



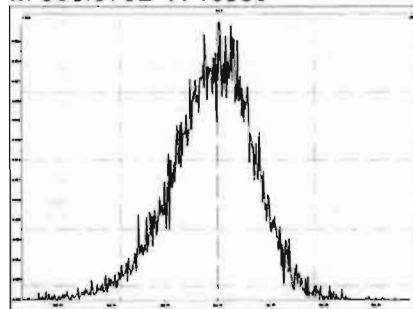
M 342.9792 R 10370



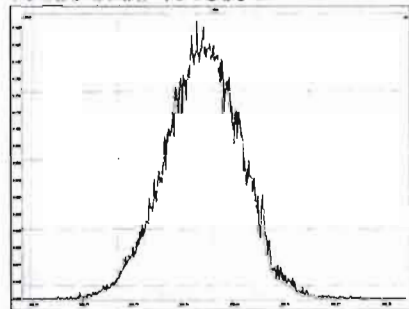
M 354.9792 R 10822



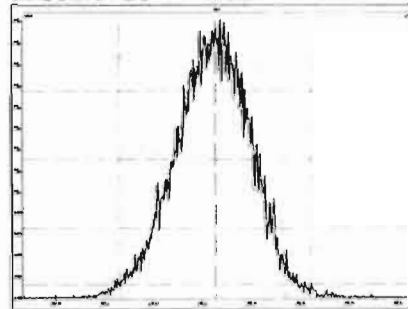
M 366.9792 R 10963



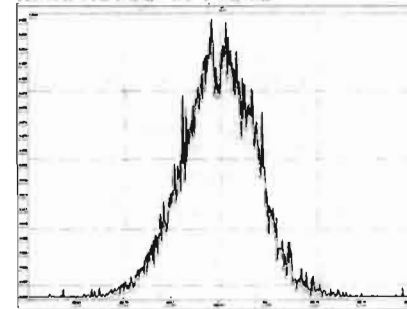
M 380.9760 R 10594



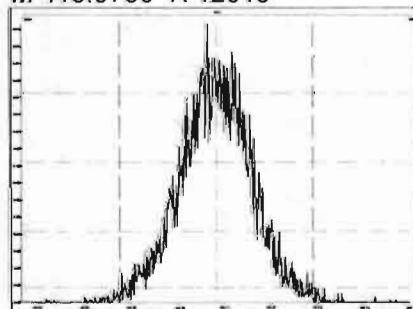
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M 404.9760 R 11845



M 416.9760 R 12018



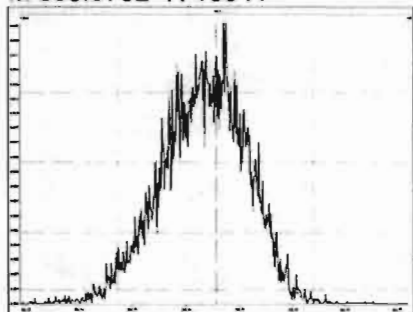
Experiment Calibration Report

MassLynx 4.1 SCN815

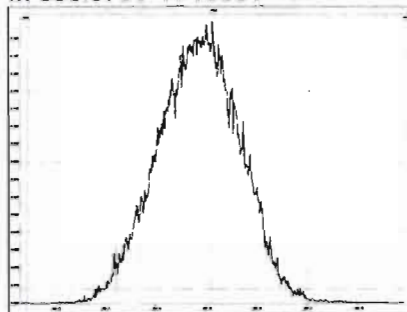
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:50:12 Pacific Daylight Time

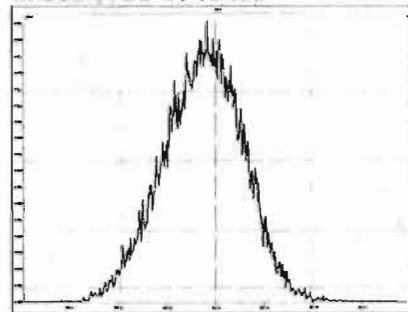
M 366.9792 R 10641



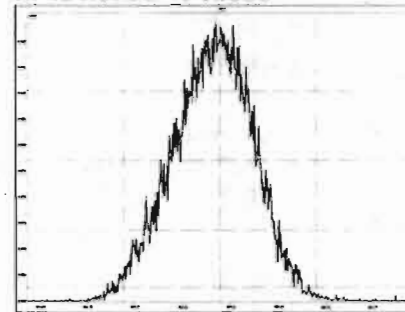
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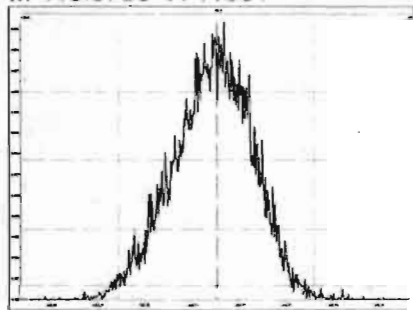
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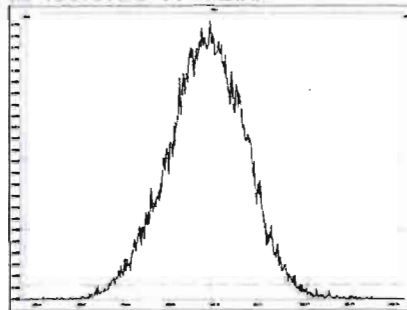
M 404.9760 R 10505



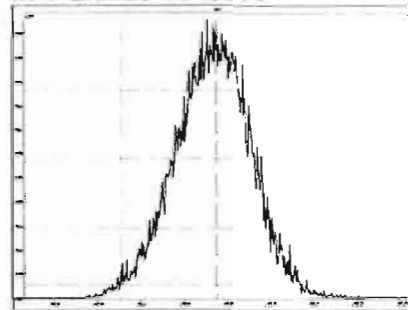
M 416.9760 R 11061



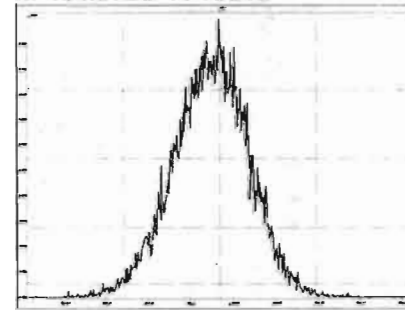
M 430.9728 R 10290



M 442.9728 R 10593



M 454.9728 R 10919



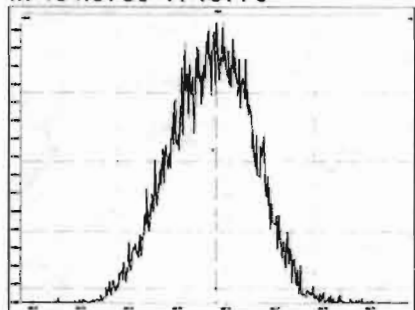
Experiment Calibration Report

MassLynx 4.1 SCN815

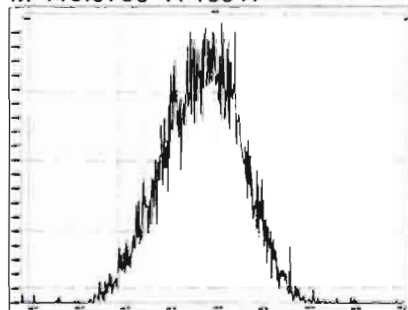
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:03 Pacific Daylight Time

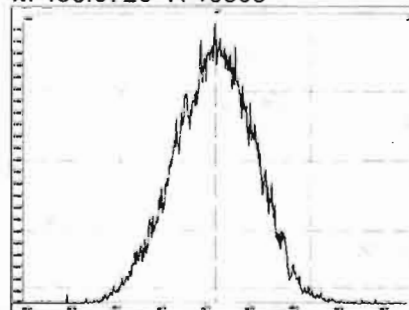
M 404.9760 R 10778



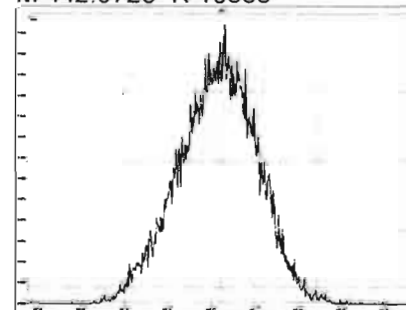
M 416.9760 R 10917



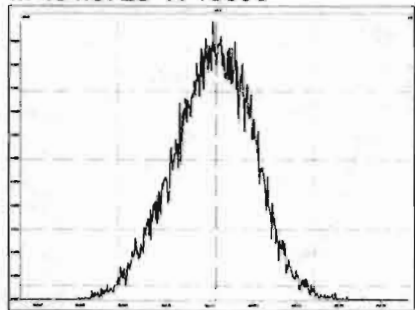
M 430.9728 R 10503



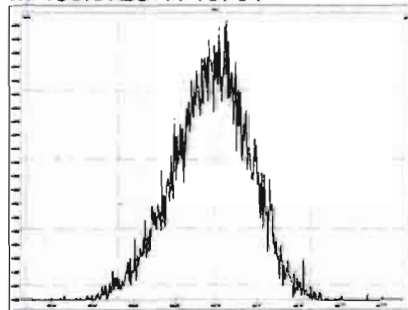
M 442.9728 R 10636



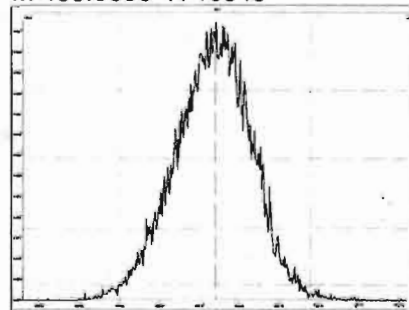
M 454.9728 R 10638



M 466.9728 R 10731



M 480.9696 R 10545



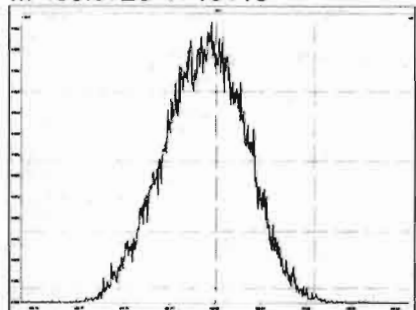
Experiment Calibration Report

MassLynx 4.1 SCN815

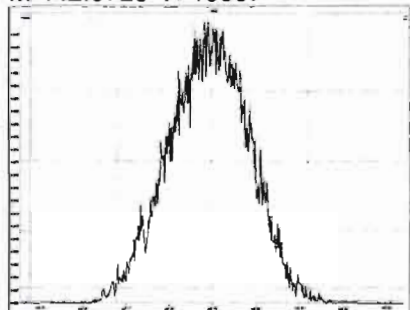
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:45 Pacific Daylight Time

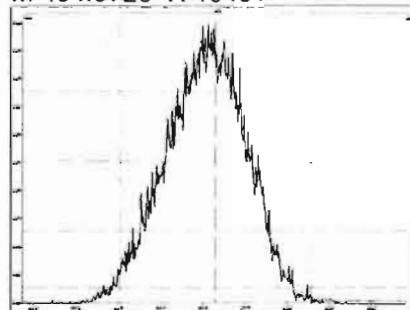
M 430.9728 R 10118



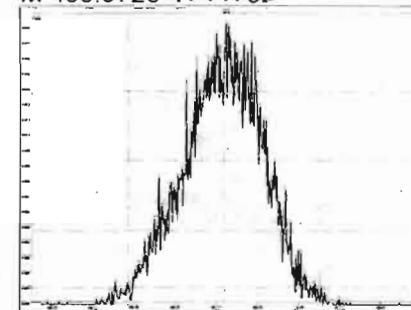
M 442.9728 R 10637



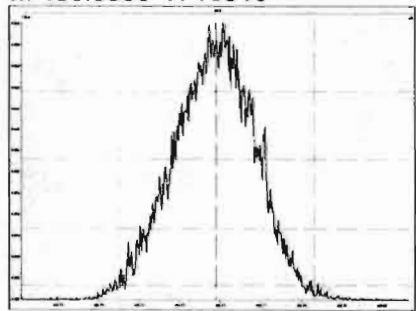
M 454.9728 R 10461



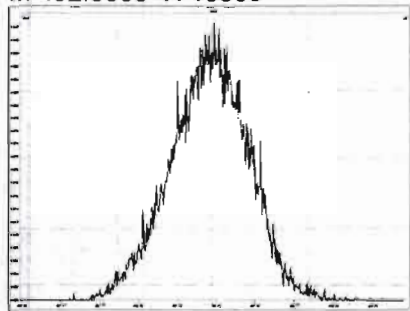
M 466.9728 R 11792



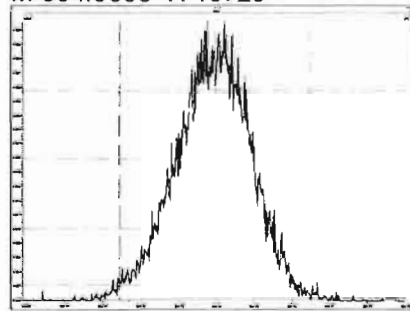
M 480.9696 R 10915



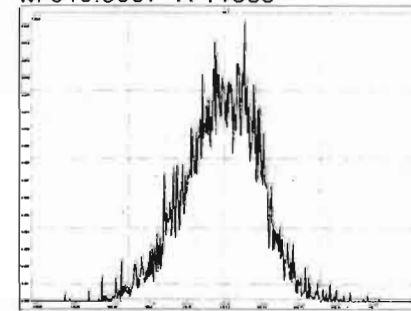
M 492.9696 R 10639



M 504.9696 R 10729



M 516.9697 R 11683



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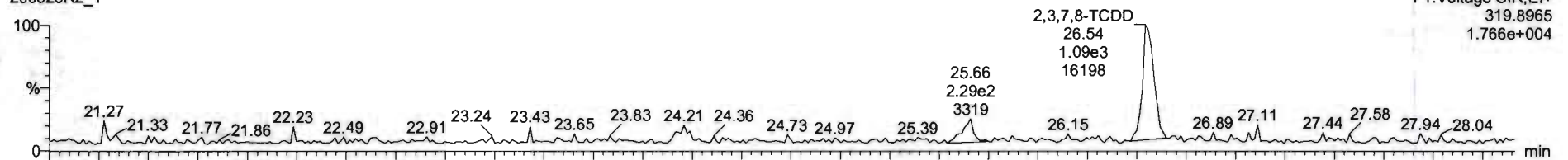
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: 29 May 2020 07:49:30

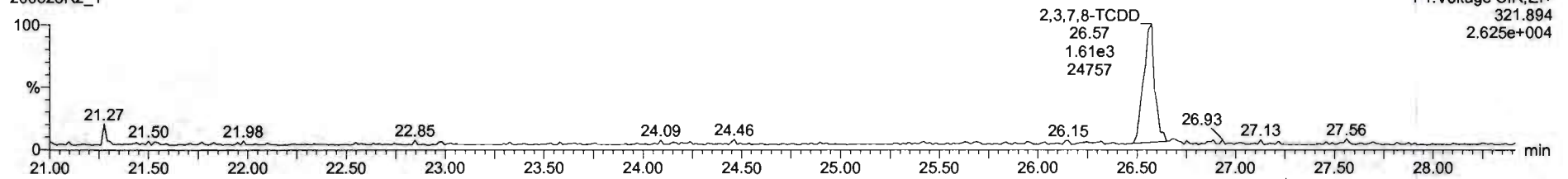
Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

2,3,7,8-TCDD

200528R2_1

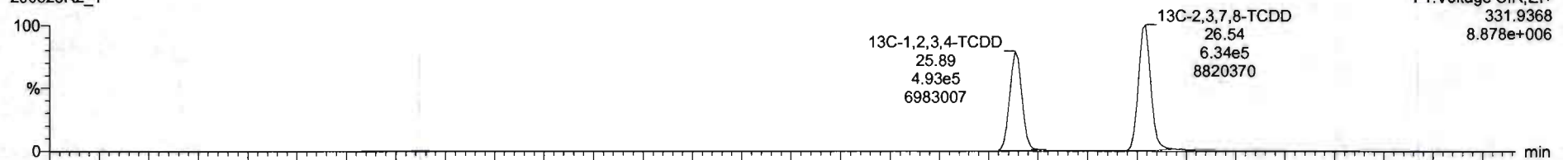


200528R2_1

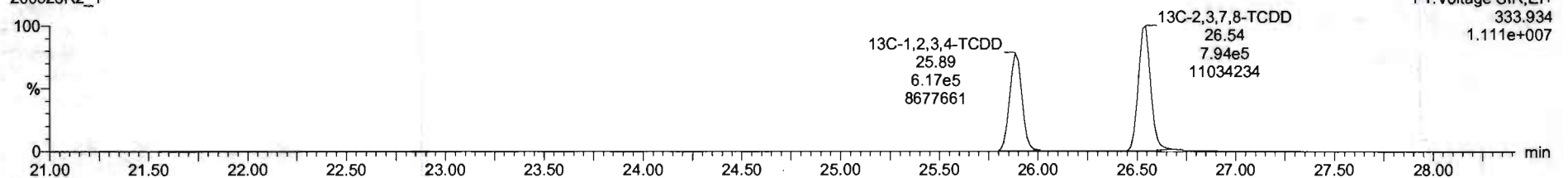


13C-2,3,7,8-TCDD

200528R2_1



200528R2_1

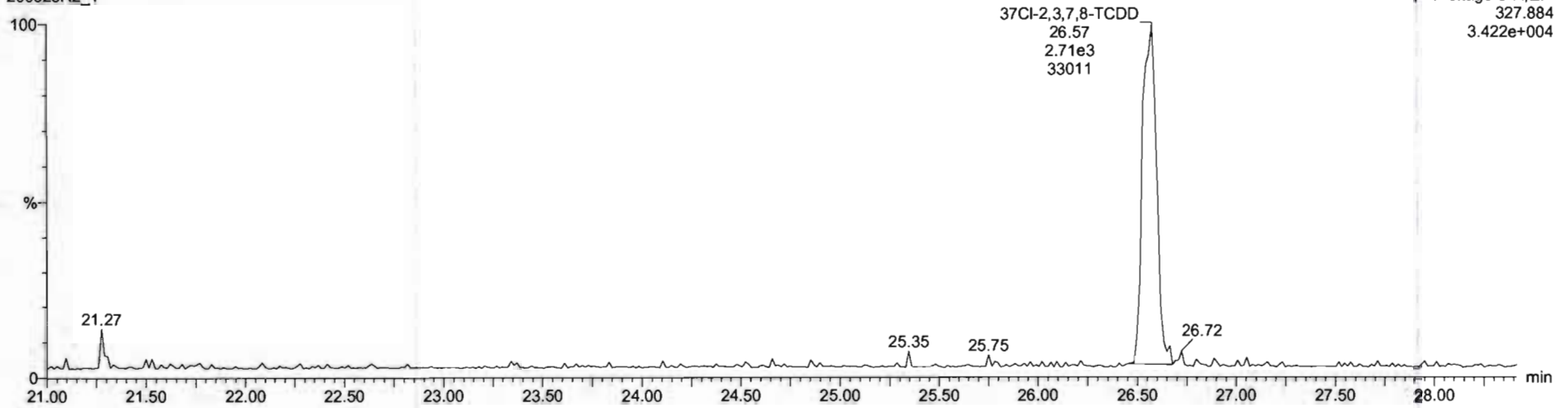


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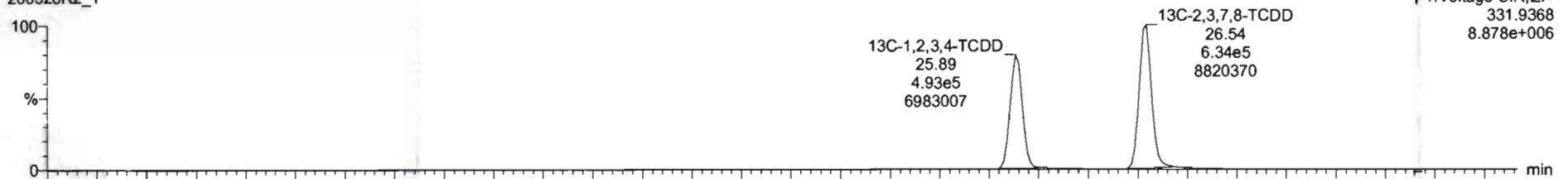
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

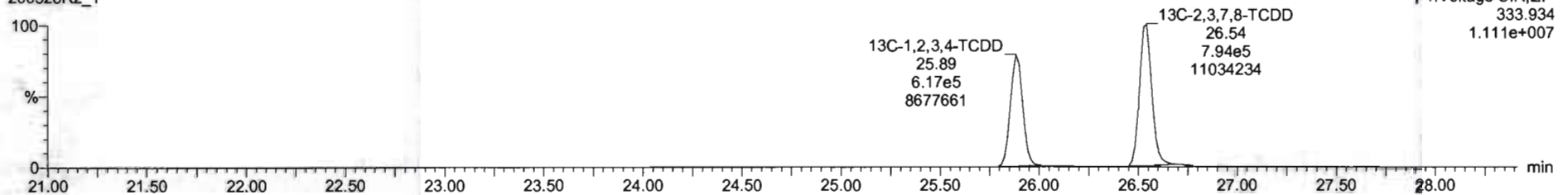
37Cl-2,3,7,8-TCDD
200528R2_1



13C-1,2,3,4-TCDD
200528R2_1



200528R2_1



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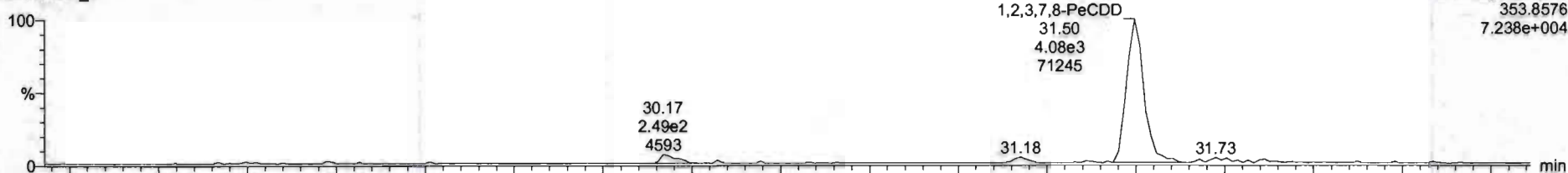
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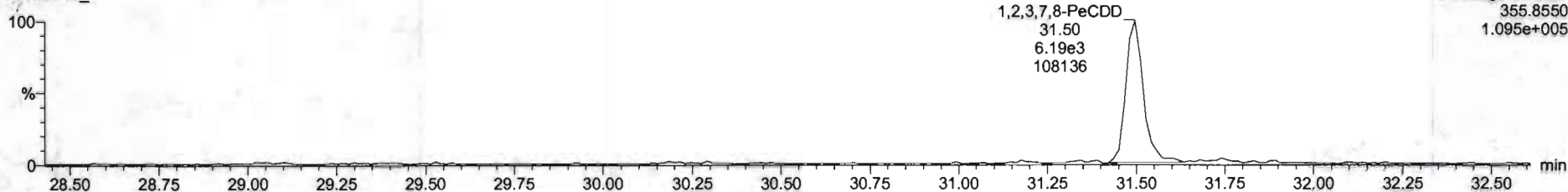
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1,2,3,7,8-PeCDD

200528R2_1

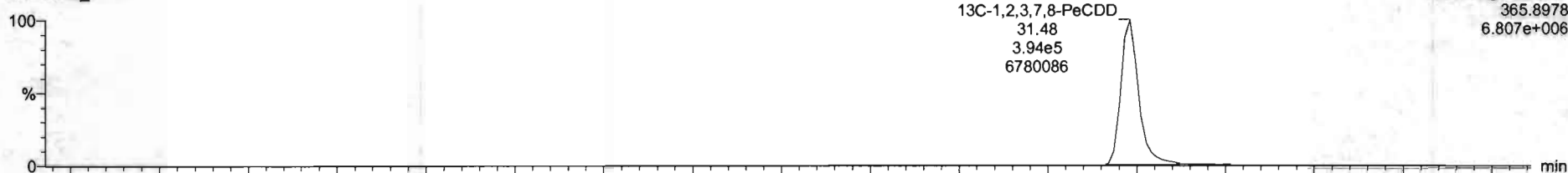


200528R2_1

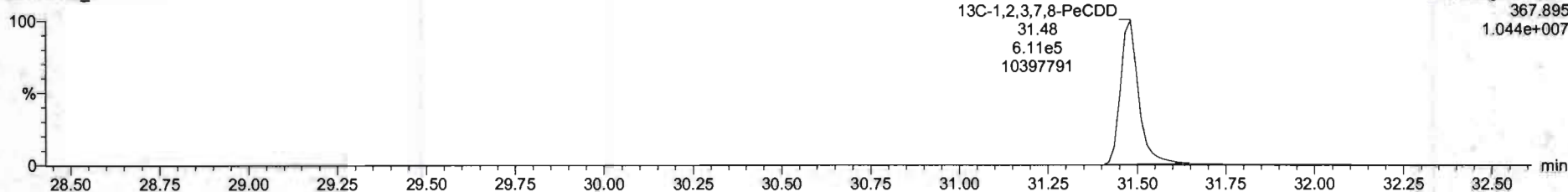


13C-1,2,3,7,8-PeCDD

200528R2_1



200528R2_1



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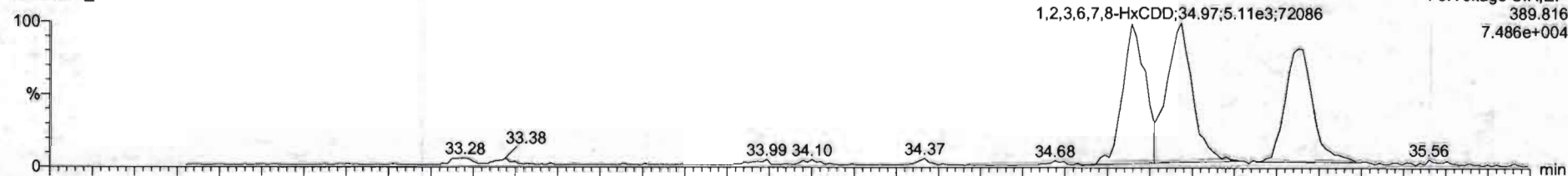
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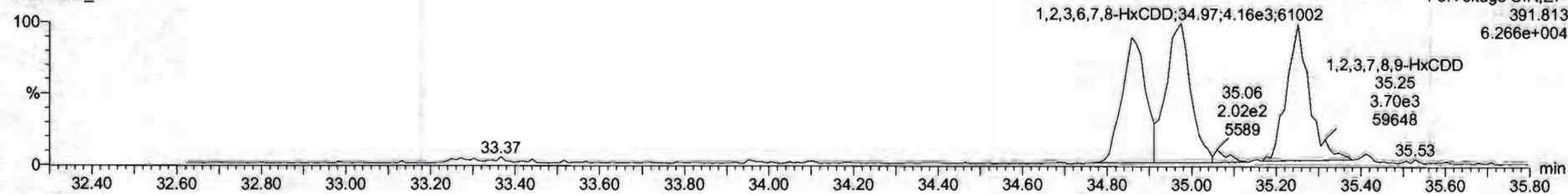
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1,2,3,4,7,8-HxCDD

200528R2_1

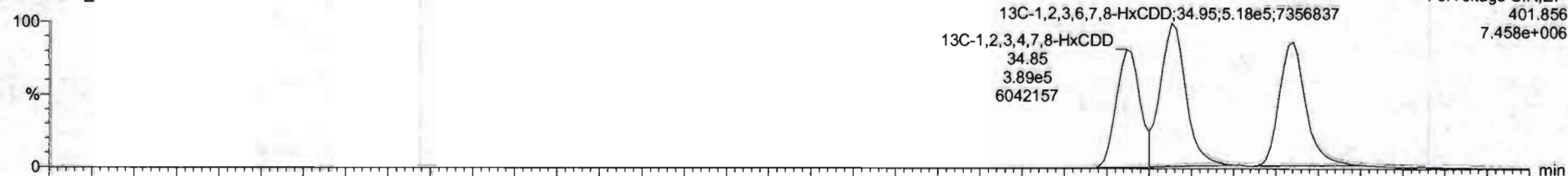


200528R2_1

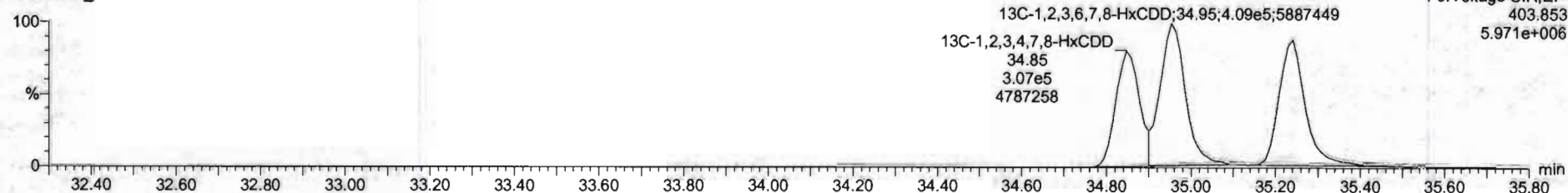


13C-1,2,3,4,7,8-HxCDD

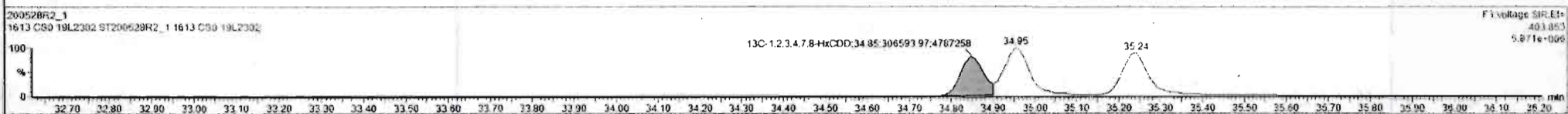
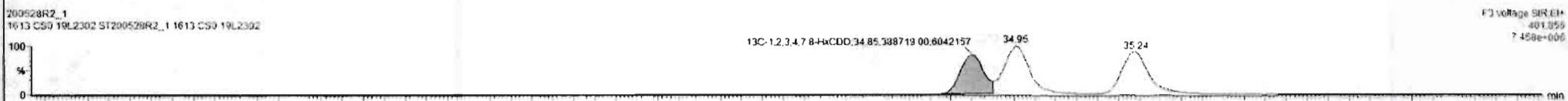
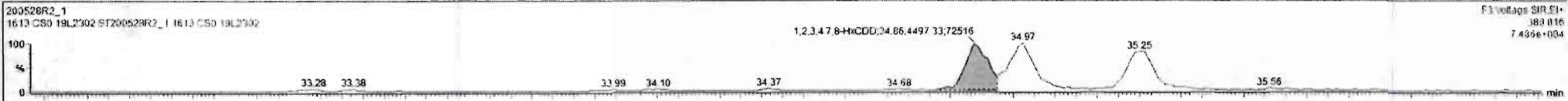
200528R2_1



200528R2_1



Name	Resp	RA	Rel	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.78e3	0.56	NO	0.8983	1.000	26.54	1.000	0.213	35.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0428	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8965	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8539	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8 2,3,7,8-TCDF	3.23e3	0.73	NO	0.7510	1.000	25.87	1.001	0.223	39.1	0.0142	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0369	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8562	1.000	34.11	1.001	1.12	89.2	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8787	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,5,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.43e6	0.30	NO	1.1563	1.000	26.54	1.026	111	111	0.0632	
19 13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.318	
21 13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



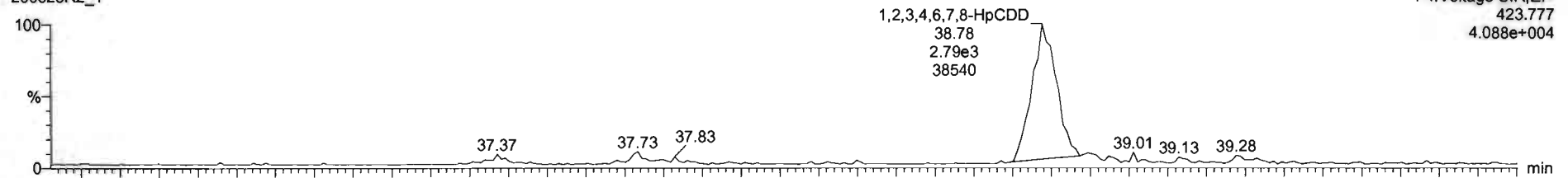
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

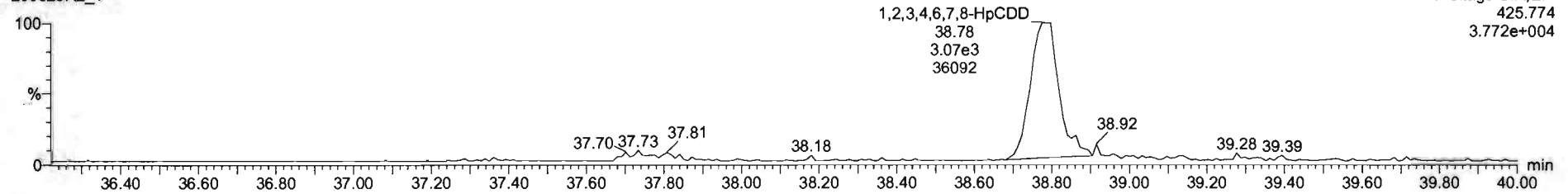
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1,2,3,4,6,7,8-HpCDD

200528R2_1

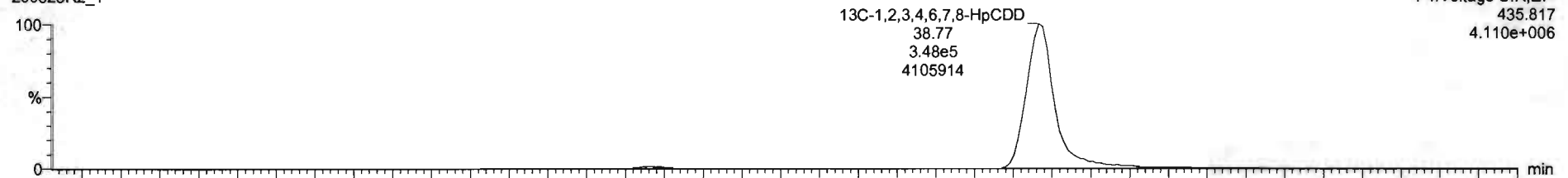


200528R2_1

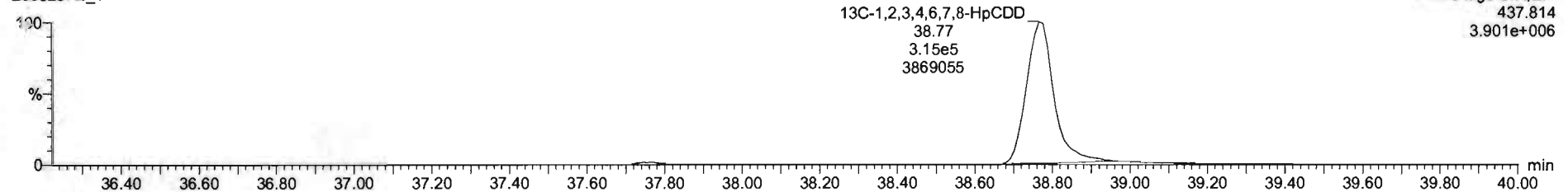


13C-1,2,3,4,6,7,8-HpCDD

200528R2_1



200528R2_1



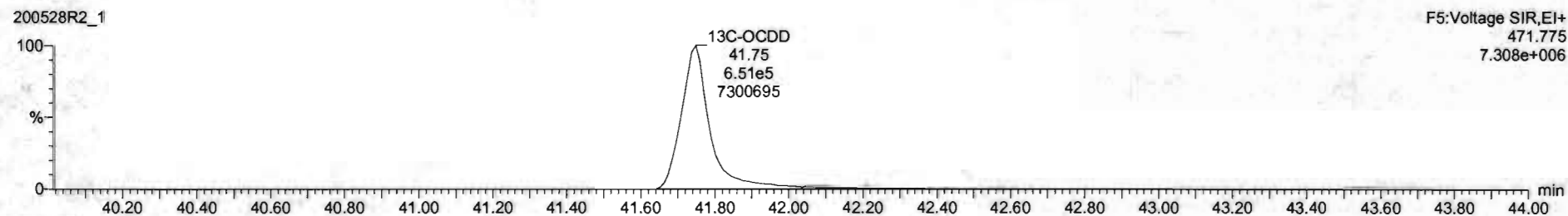
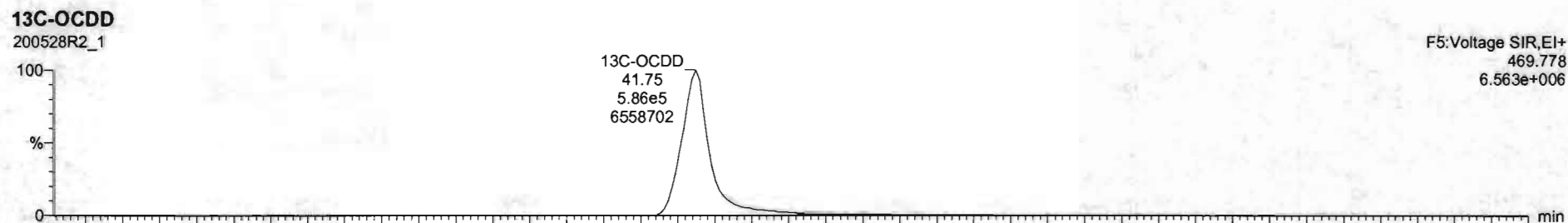
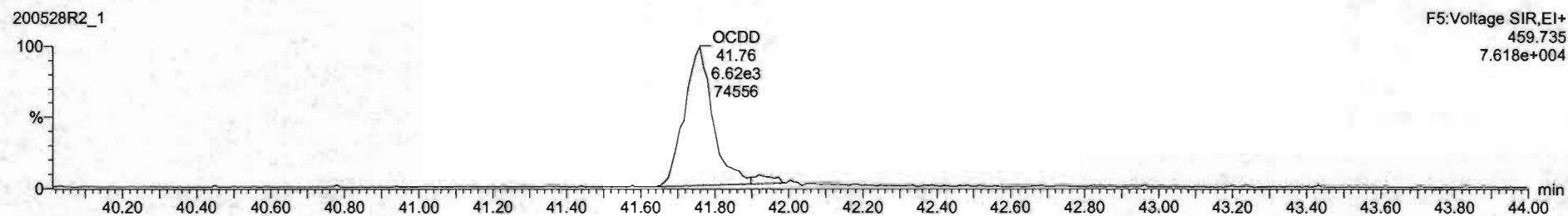
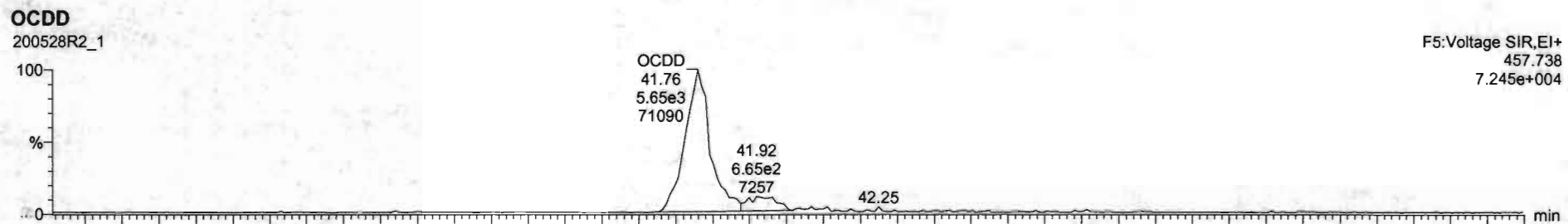
SI	Name	Reap	RA	ntf	RRF	wtdvol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.58	NO	0.8583	1.000	26.54	1.000	0.212	88.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0282	1.12
3	1,2,3,4,7,8-HxCDD	5.02e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	69.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	6.14e3	1.30	NO	0.8065	1.000	35.25	1.000	1.10	86.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8839	1.000	36.70	1.000	1.09	87.2	0.0506	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.70	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.323	89.1	0.0142	0.222
9	1,2,3,7,8-PeCDF	1.46e4	1.51	NO	0.8925	1.000	30.20	1.000	1.09	67.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	6.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8052	1.000	34.11	1.001	1.12	88.2	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HxCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e8	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8450	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



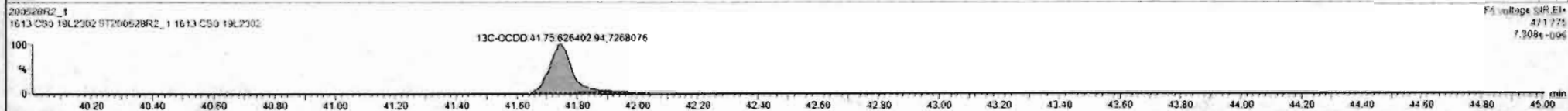
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



#	Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8863	1.000	26.54	1.000	0.212	85.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	34.06	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9138	1.000	41.78	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0142	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.03	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8552	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	28.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	8.95e5	1.27	NO	0.7750	1.000	34.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



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200528R2_1

CAP NUM

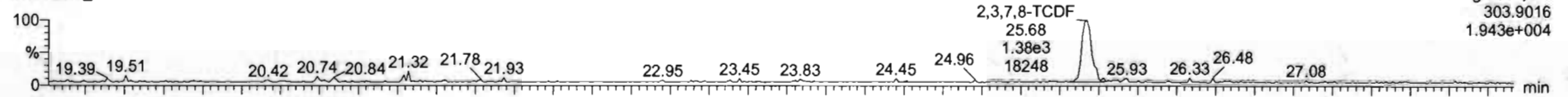
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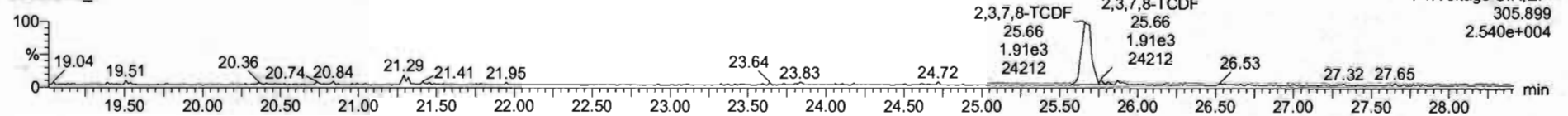
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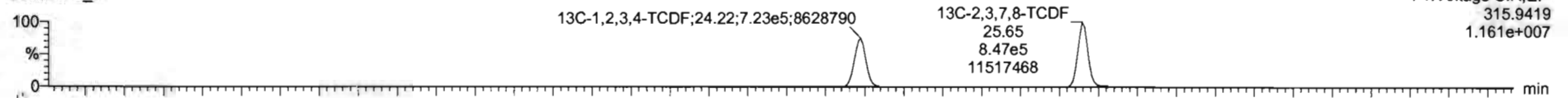


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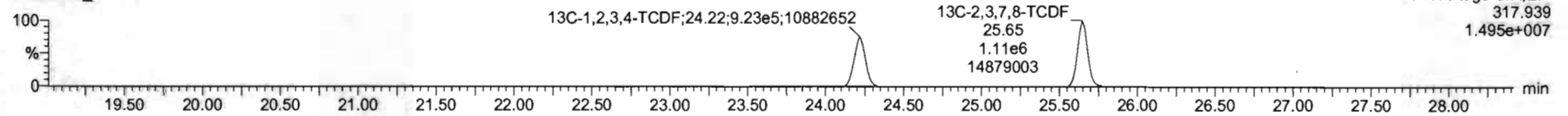


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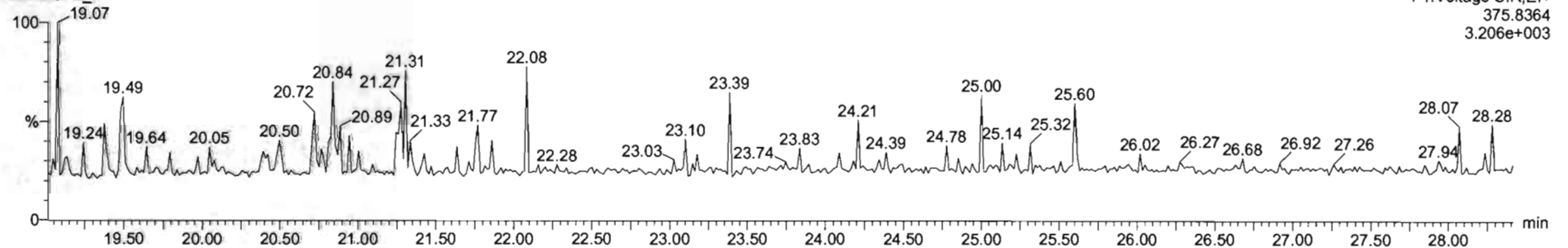


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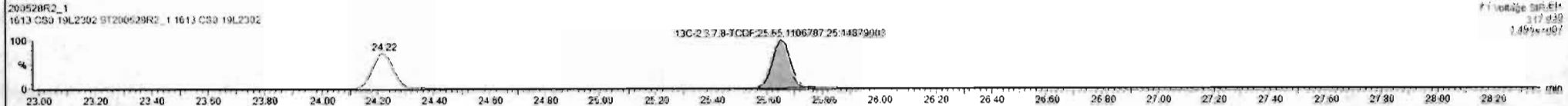
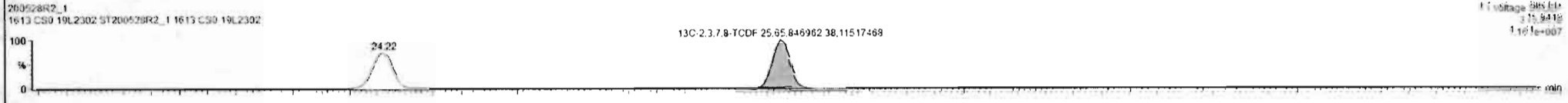
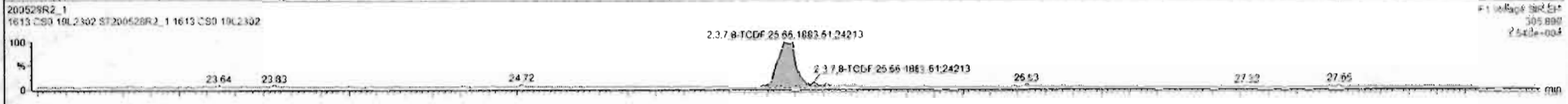
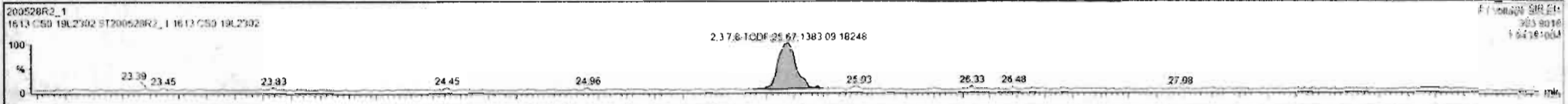


DPE1

200528R2_1



#	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8883	1.000	26.54	1.000	0.212	95.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	21.50	1.000	1.12	90.6	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e2	1.27	NO	1.0334	1.000	34.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.13	89.7	0.0465	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8865	1.000	35.25	1.000	1.10	88.1	0.0454	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0140	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	20.20	1.006	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.95e3	1.25	NO	0.8845	1.000	33.99	1.001	1.00	86.2	0.0369	1.00
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8862	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0624	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.96	NO	1.0126	1.000	39.33	1.001	1.02	61.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.23	92.4	0.0409	2.23
18	13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1583	1.000	26.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	168	168	0.243	



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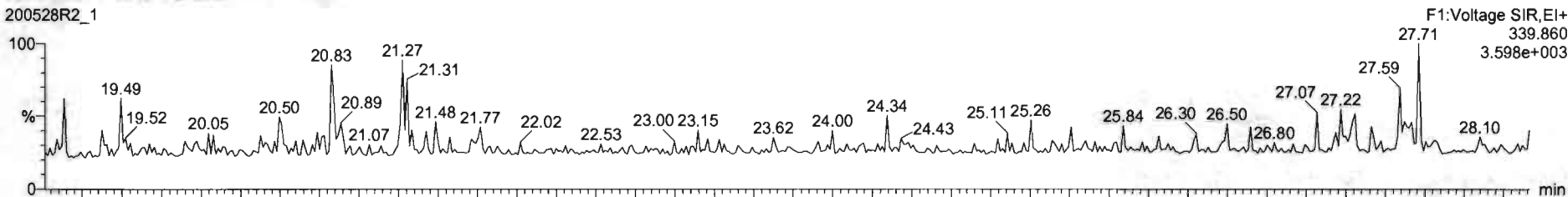
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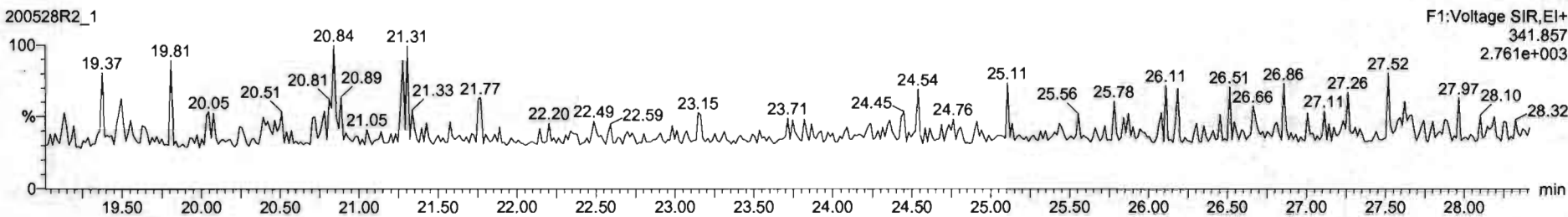
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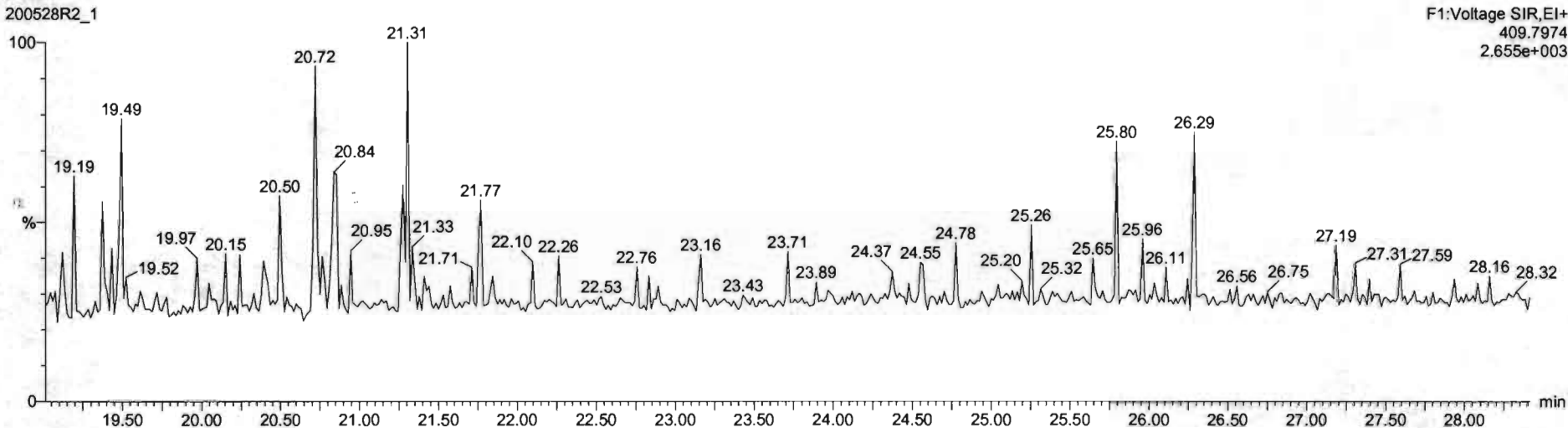


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DPE6

200528R2_1



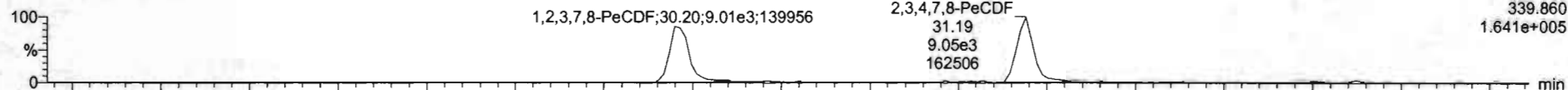
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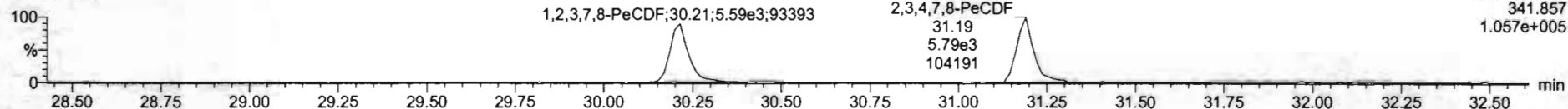
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1,2,3,7,8-PeCDF

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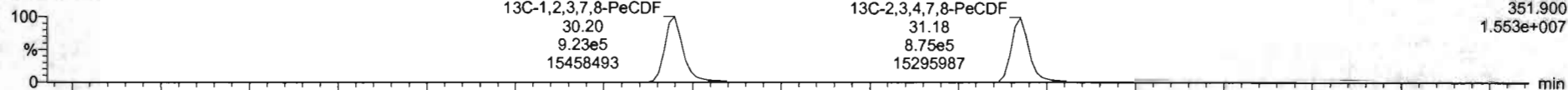


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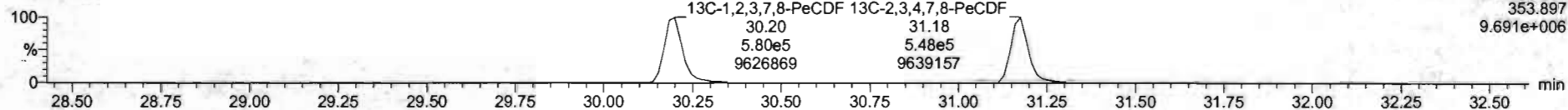


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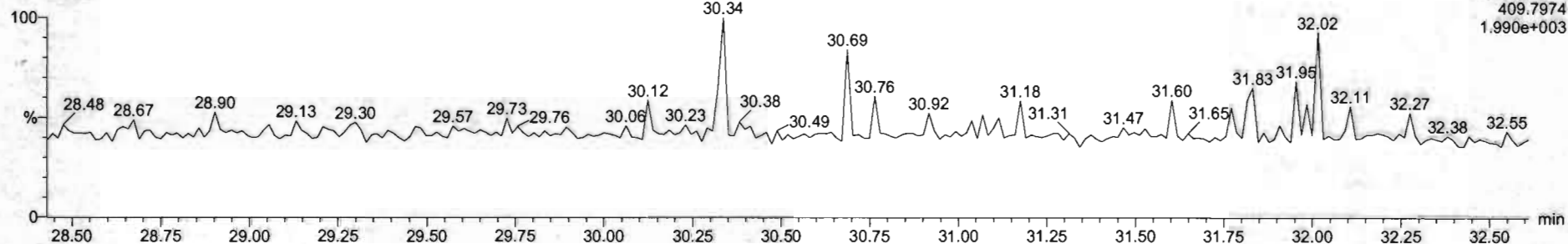


200528R2_1



DPE2

200528R2_1



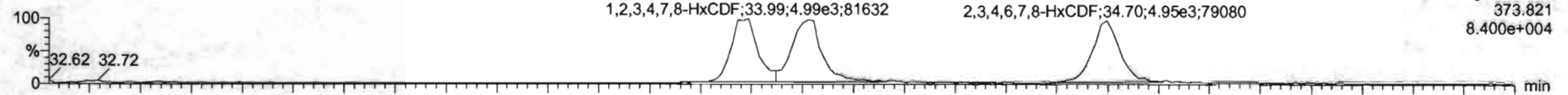
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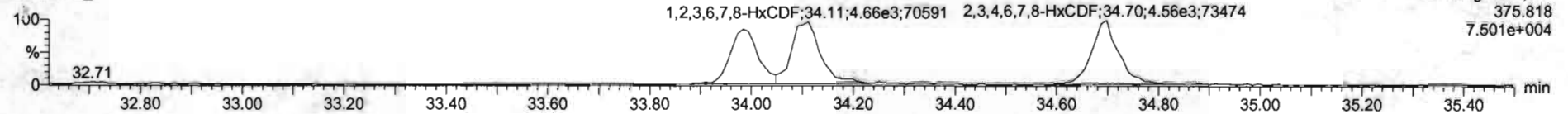
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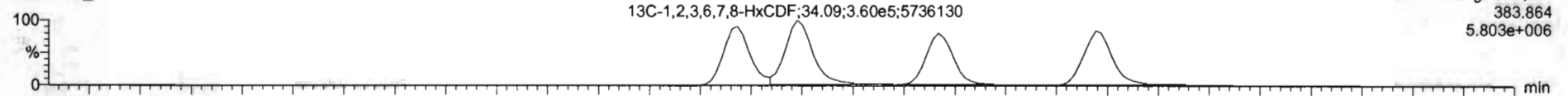


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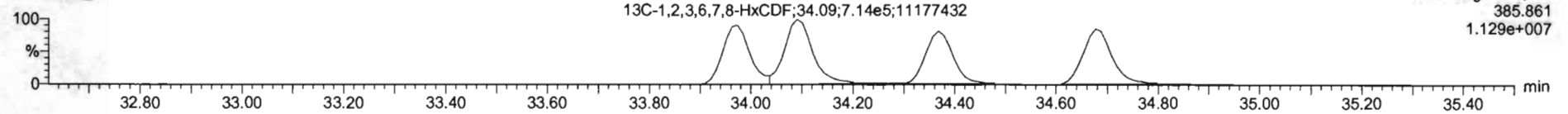


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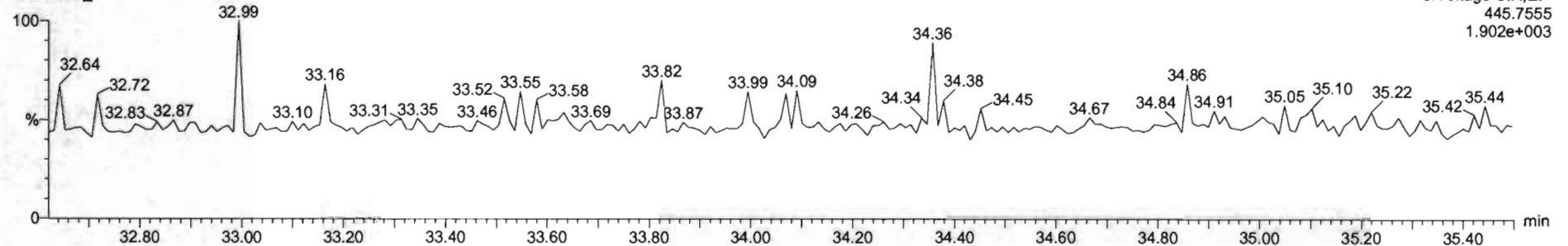


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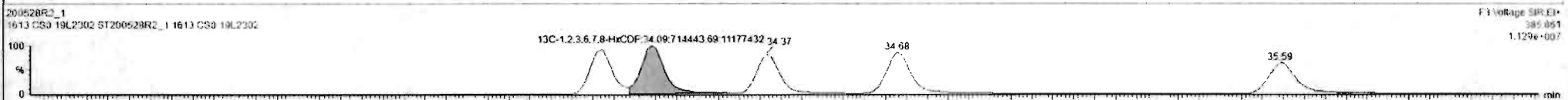
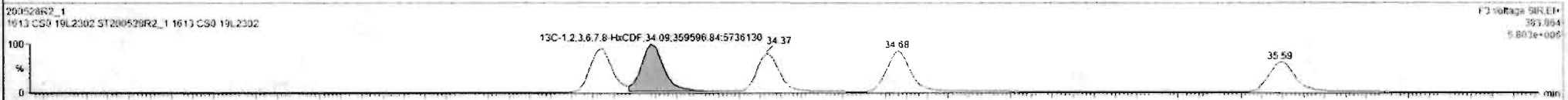
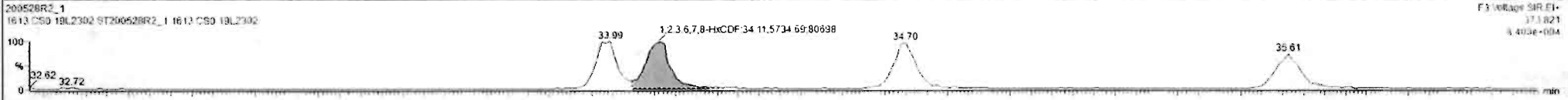


DPE3

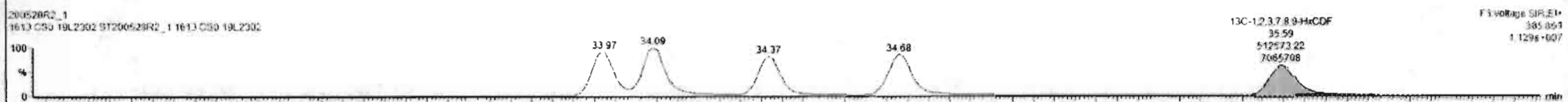
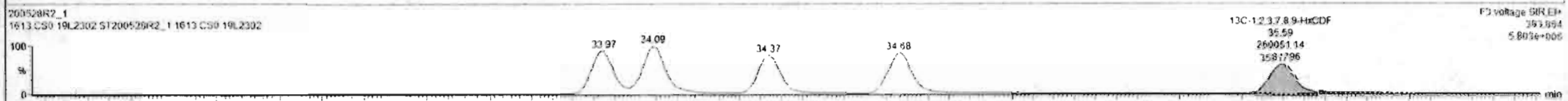
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Name	Resp	RA	inj	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.70e3	0.58	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6051	1.000	31.50	1.000	1.12	90.0	0.0292	1.12
3 1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0324	1.000	24.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	5.14e3	1.20	NO	0.8265	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	38.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9126	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8 2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	28.67	1.001	0.223	89.1	0.0147	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.81	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0709	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.56e3	1.25	NO	0.8845	1.000	33.99	1.001	1.05	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8082	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.62	81.8	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.009	2.33	93.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19 13C-1,2,3,7,8-PeCDD	1.08e6	0.64	NO	0.8450	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e6	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21 13C-1,2,3,6,7,8-HxCDD	9.27e6	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



#	Name	Resp	RA	ntf	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.76e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	95.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.55	1.000	1.12	96.0	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	24.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	24.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8265	1.000	25.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.16e3	0.99	NO	0.8630	1.000	26.72	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.225	89.1	0.0142	0.225
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8325	1.000	20.20	1.000	1.09	87.1	0.0265	1.09
10	1,2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8,9-HxCDF	6.98e3	1.25	NO	0.8545	1.000	23.95	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8252	1.000	24.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	24.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	25.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	27.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	20.33	1.001	1.02	81.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0832	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	24.95	1.017	108	108	0.243	



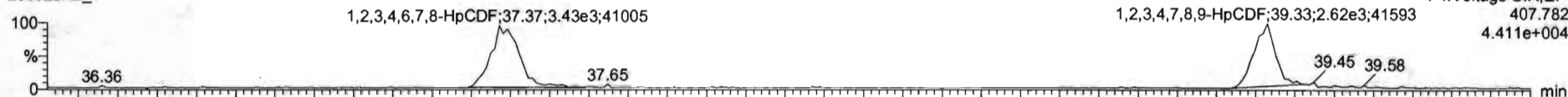
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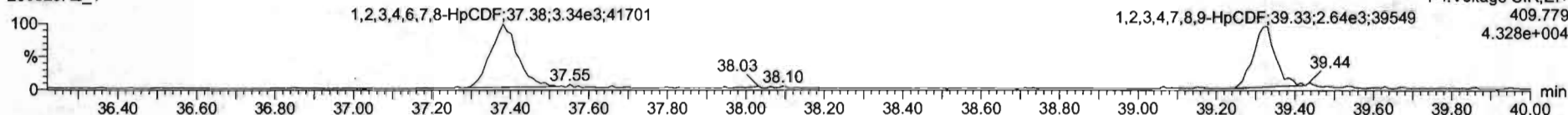
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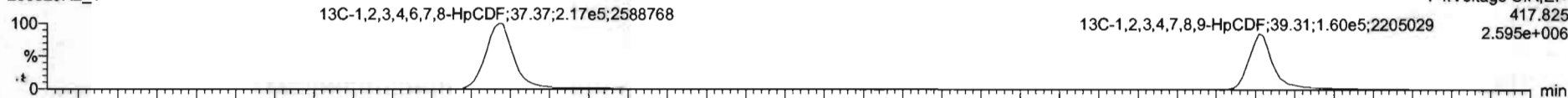


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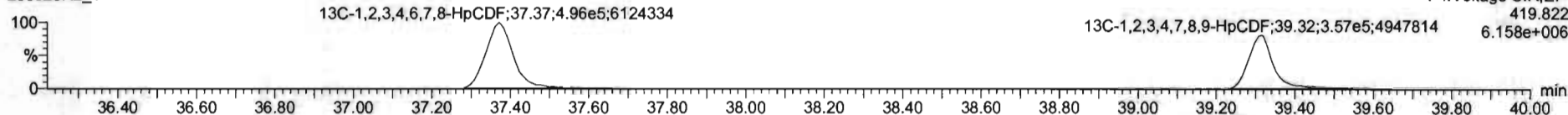


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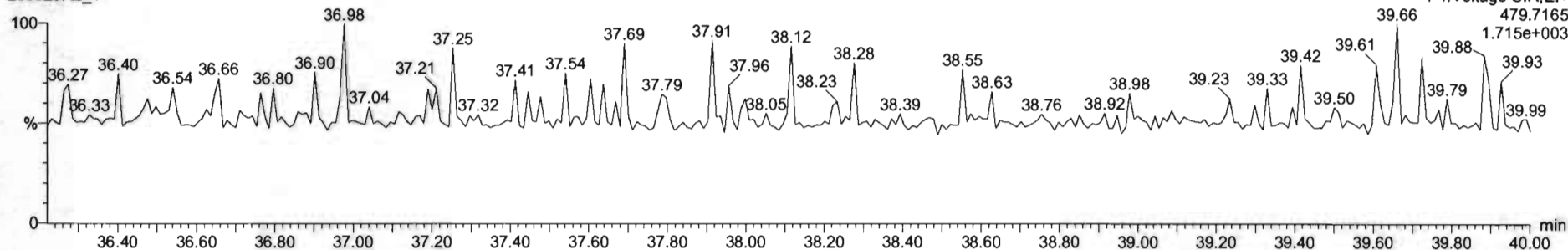


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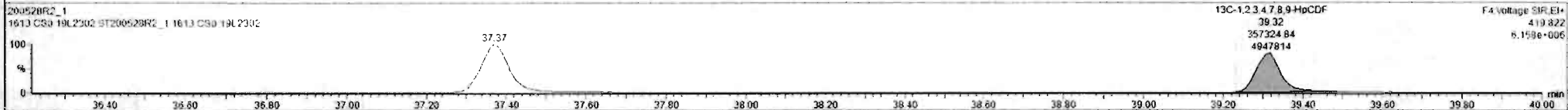
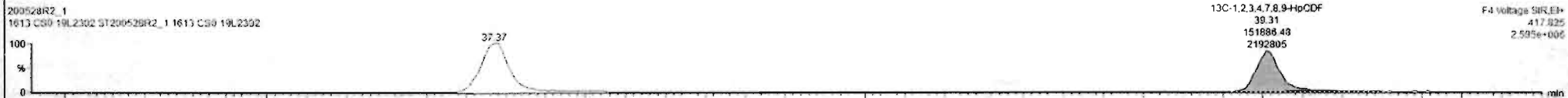
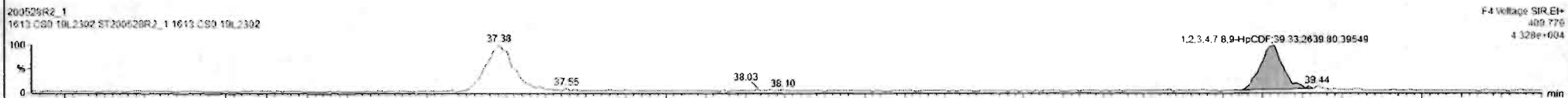


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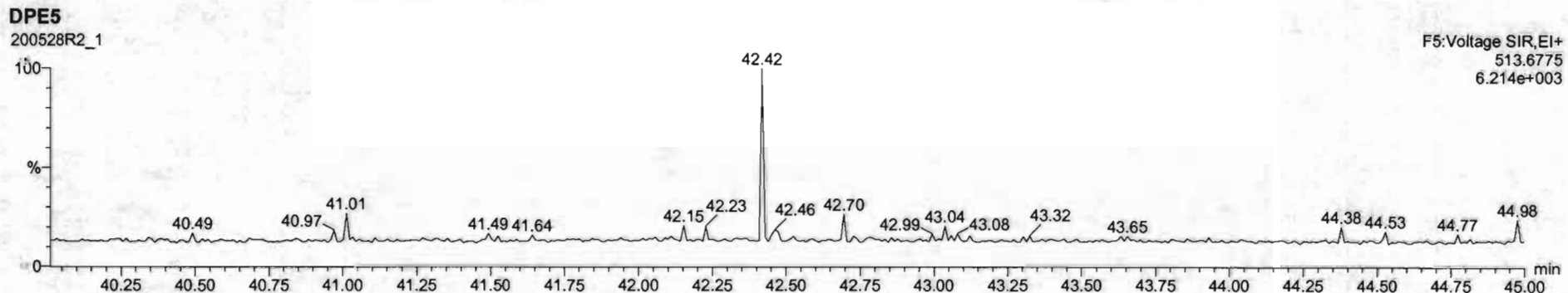
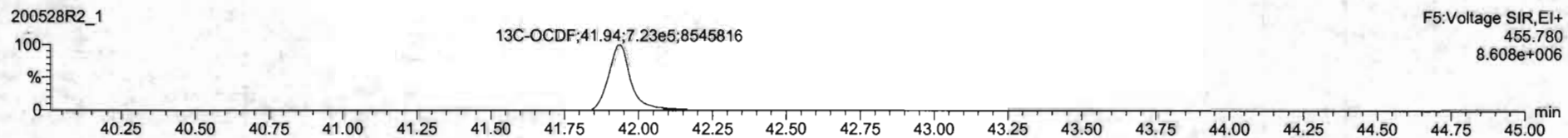
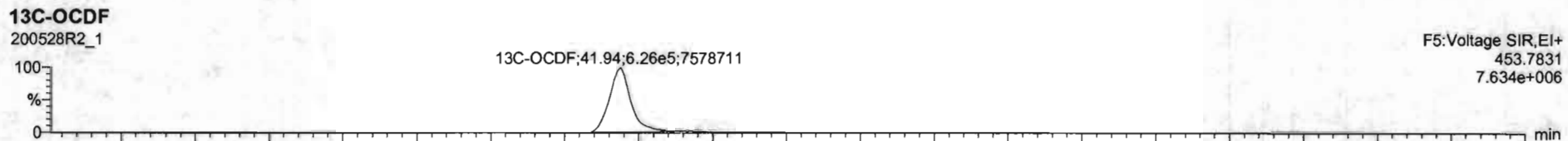
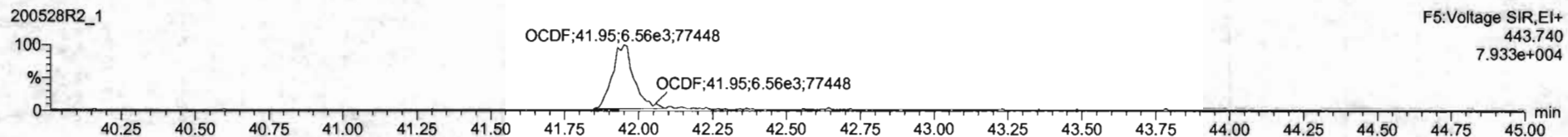
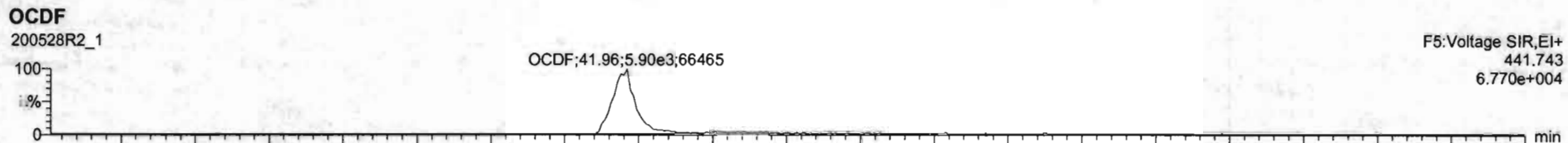
Name	Reop	RA	nBy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.79e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	8.02e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDF	8.14e3	1.20	NO	0.8269	1.000	35.25	1.000	1.10	88.1	0.0404	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.0	0.0470	2.27
8 2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.87	1.001	0.223	89.1	0.0142	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.98e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8852	1.000	34.11	1.001	1.12	89.0	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8797	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	88.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	39.35	1.001	1.02	81.6	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	92.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19 13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.218	
21 13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



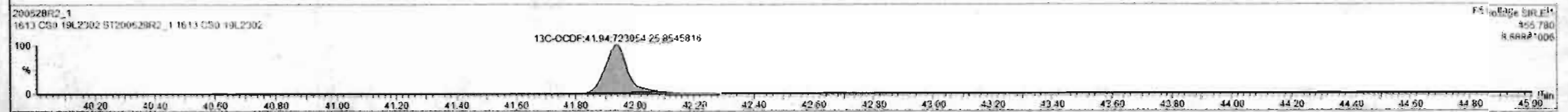
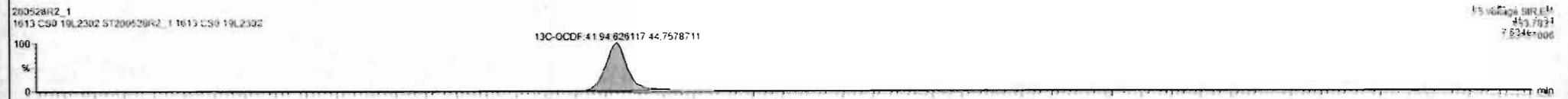
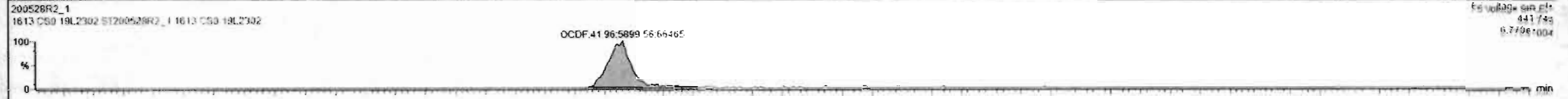
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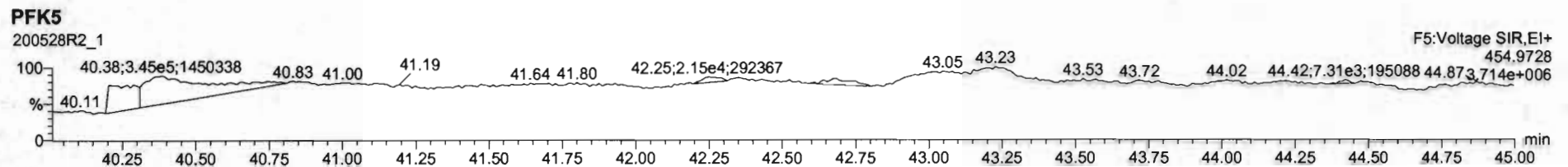
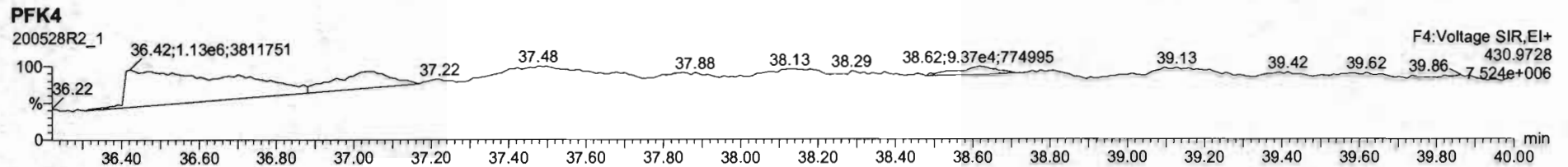
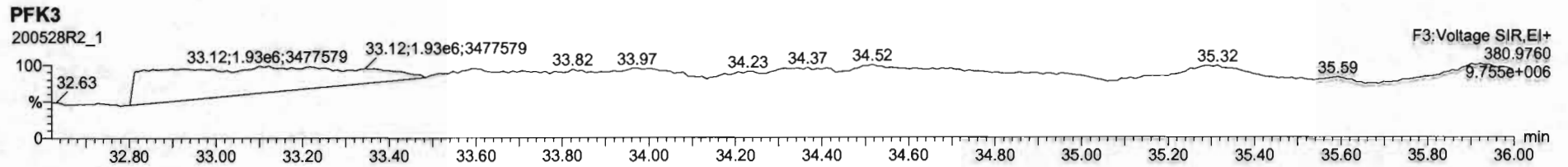
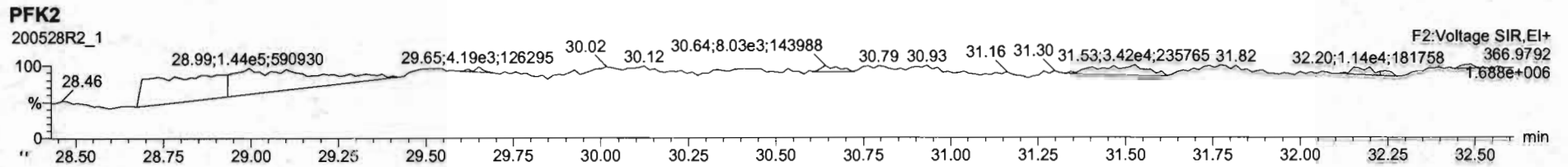
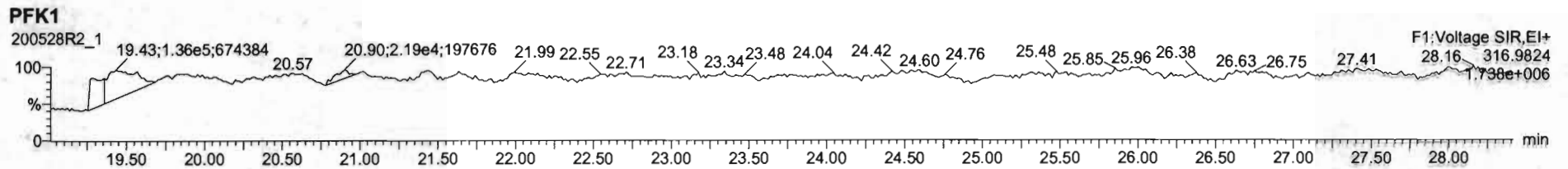
#	Name	Resp	RA	aly	RRF	wtWt	RT	RRT	Conc	%Rec	QL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.98	NO	0.8803	1.000	26.54	1.000	0.212	85.7	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9041	1.000	31.60	1.000	1.12	90.0	0.0202	1.12
3	1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.042E	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.056E	1.09
7	OCDD	1.23e4	0.88	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.75	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0142	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	6.98e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8892	1.000	24.11	1.001	1.12	89.7	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,5,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.95	NO	1.0126	1.000	39.33	1.001	1.02	81.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8685	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0632	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.218	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



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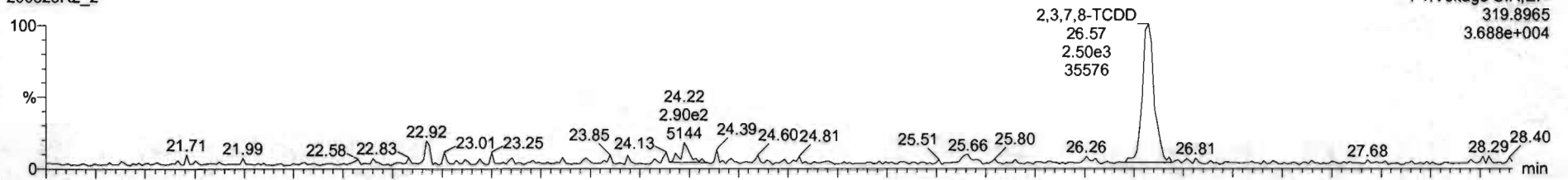
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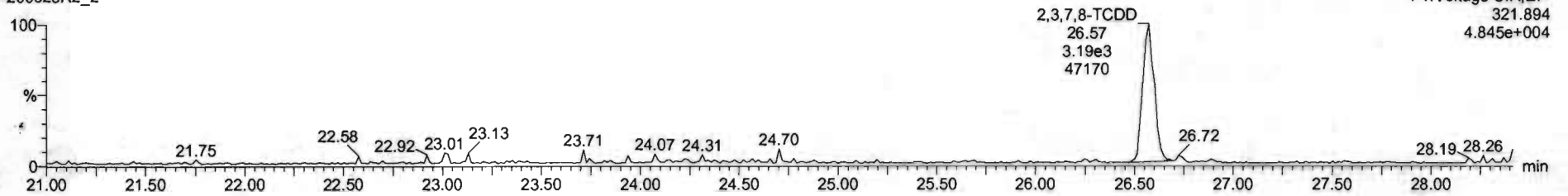
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2,3,7,8-TCDD

200528R2_2

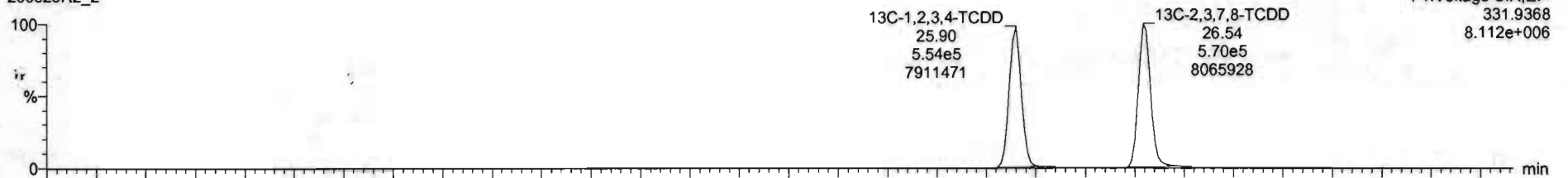


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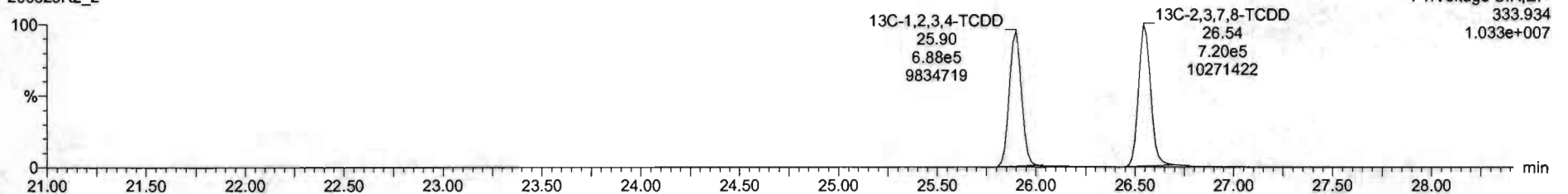


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200528R2_2



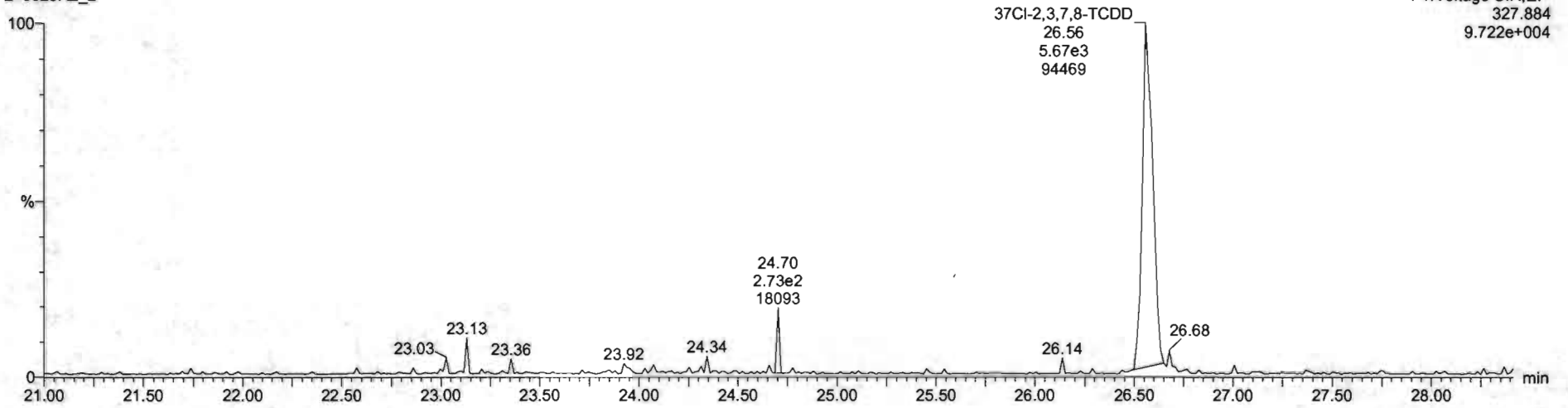
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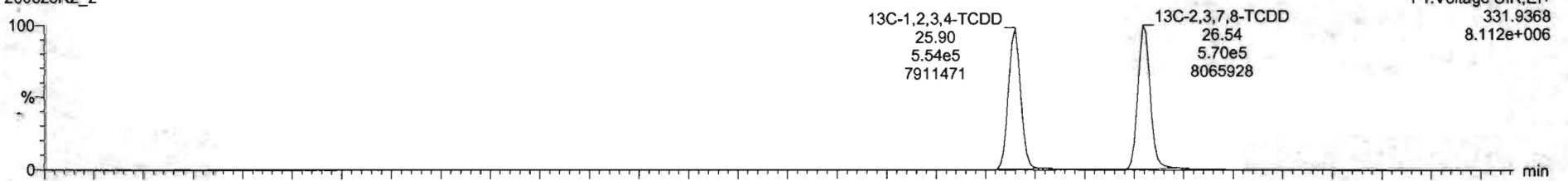
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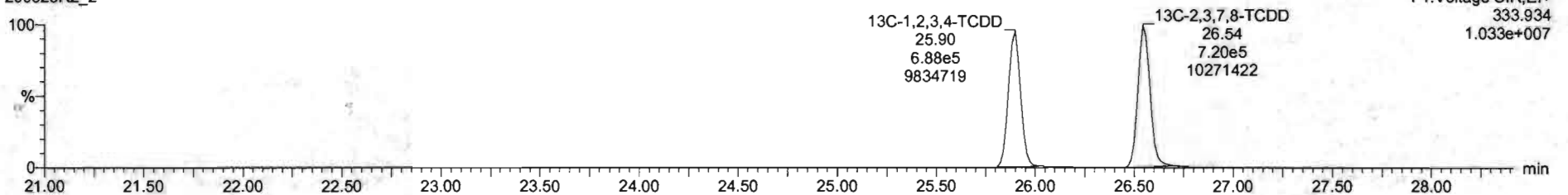


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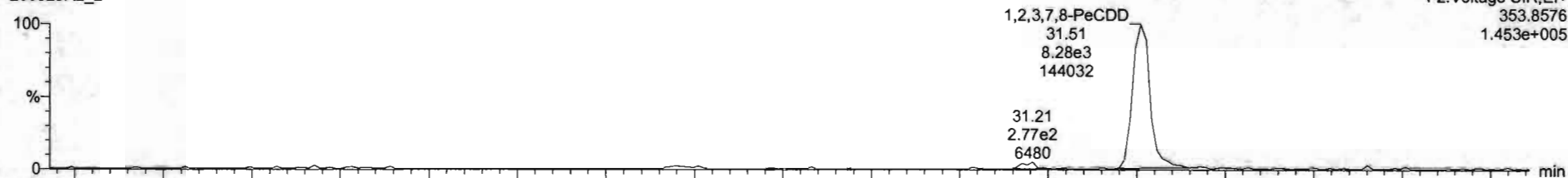
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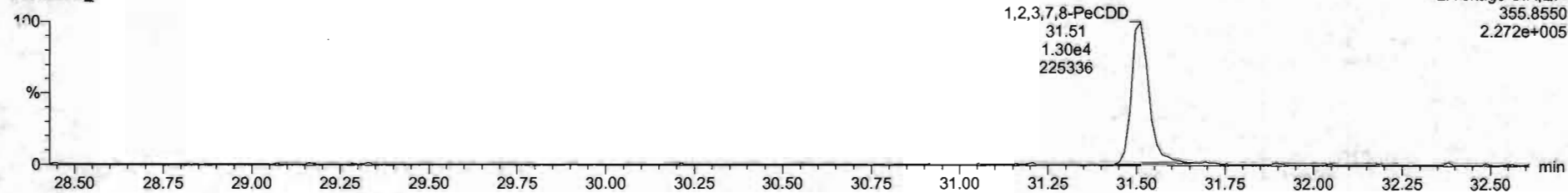
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1,2,3,7,8-PeCDD

200528R2_2

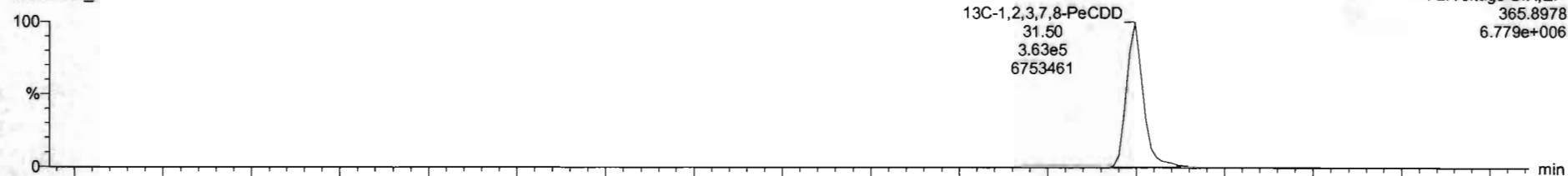


200528R2_2

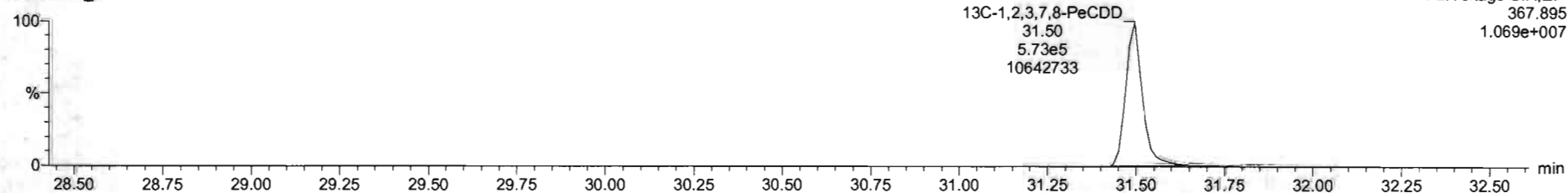


13C-1,2,3,7,8-PeCDD

200528R2_2



200528R2_2



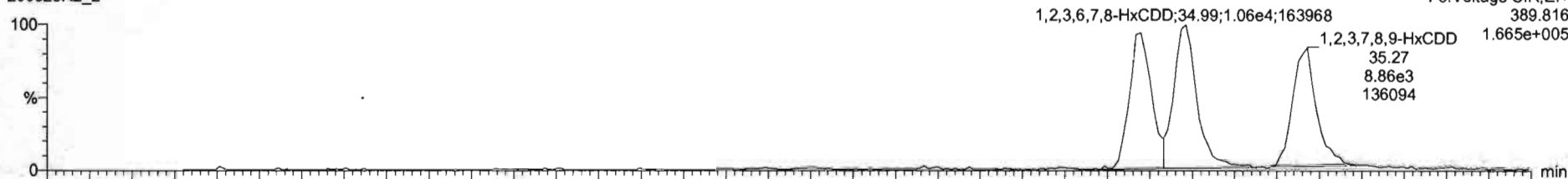
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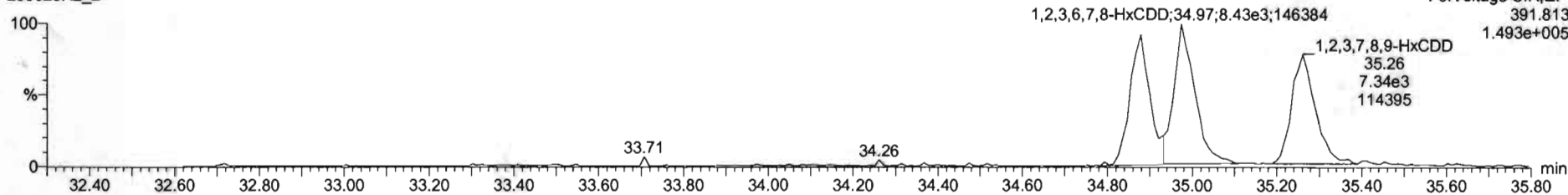
Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

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

200528R2_2

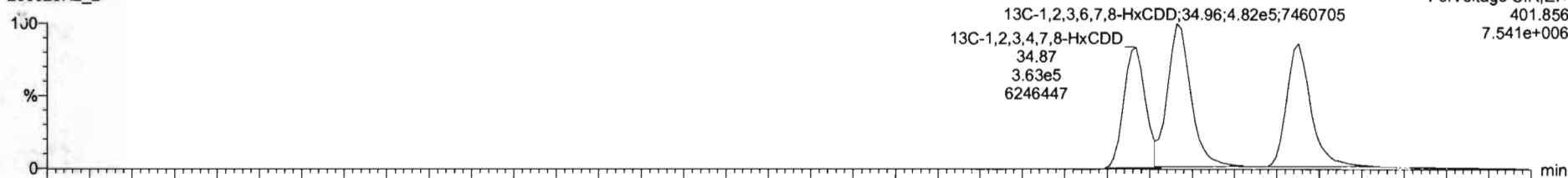


200528R2_2

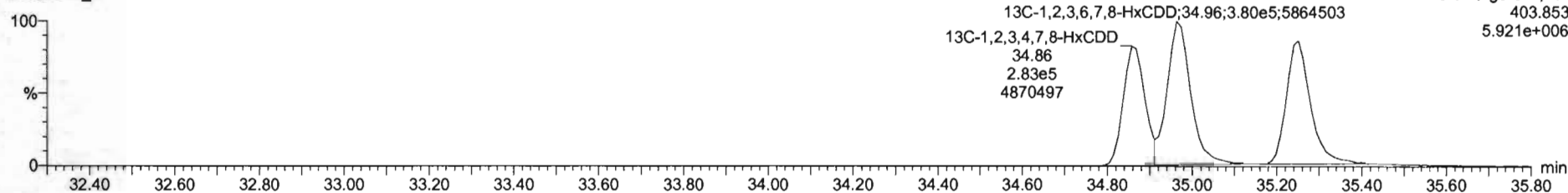


13C-1,2,3,4,7,8-HxCDD

200528R2_2



200528R2_2



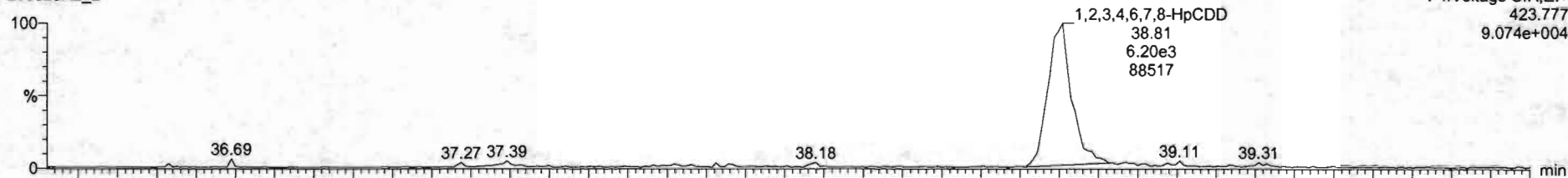
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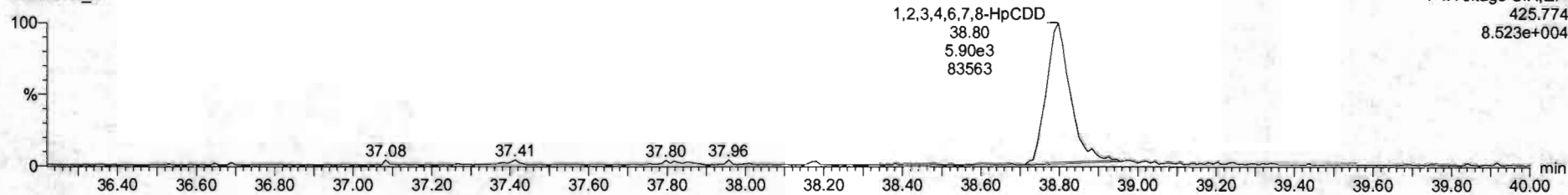
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1,2,3,4,6,7,8-HpCDD

200528R2_2

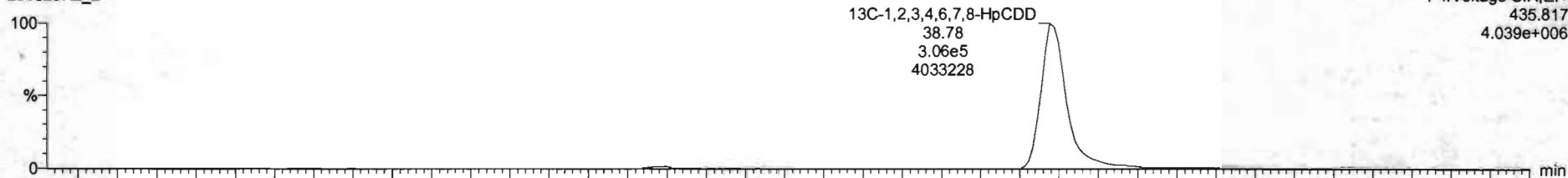


200528R2_2

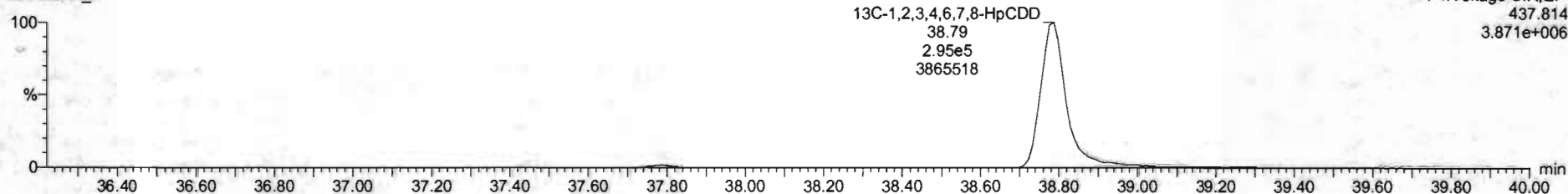


13C-1,2,3,4,6,7,8-HpCDD

200528R2_2



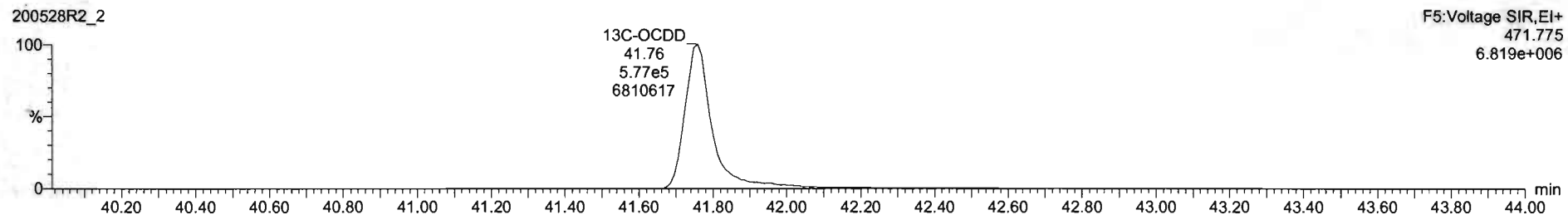
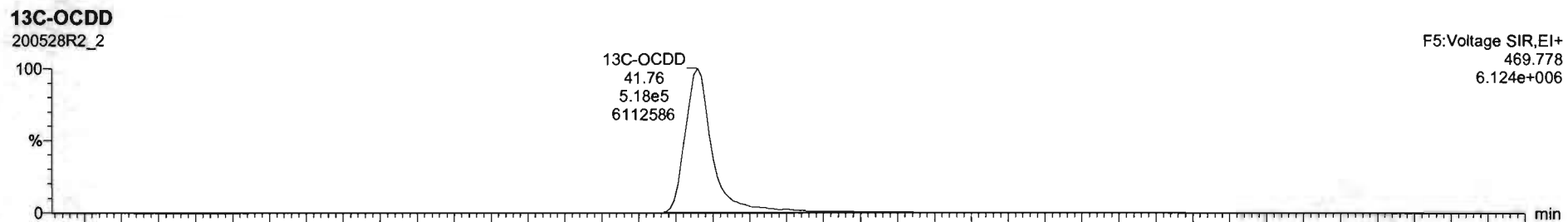
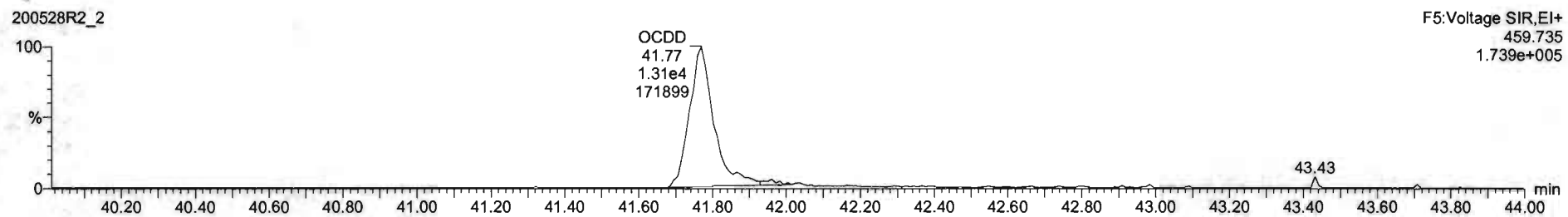
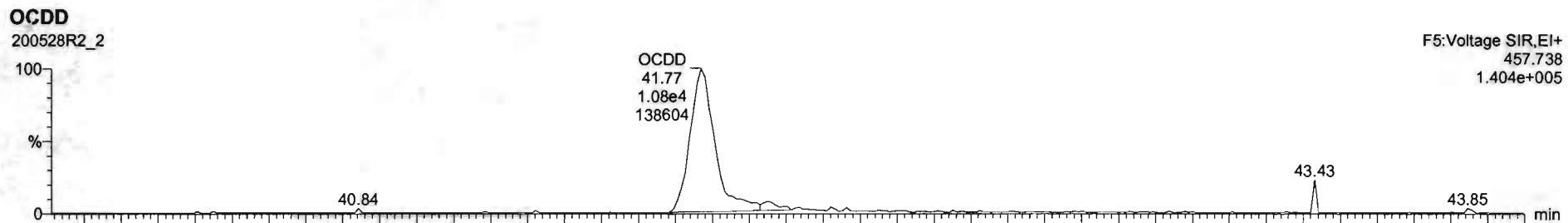
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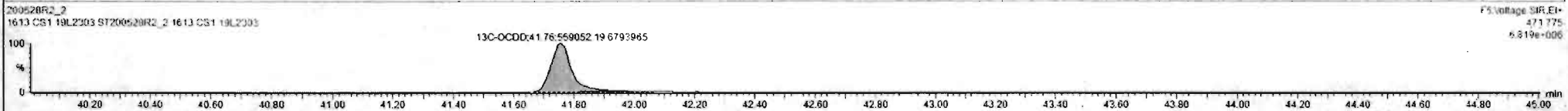
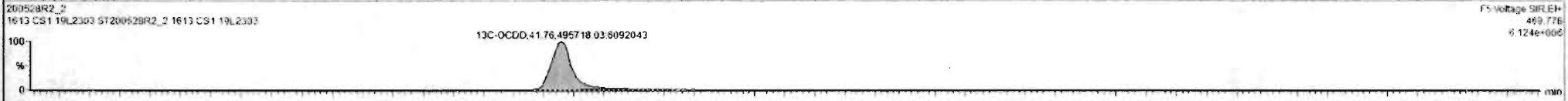
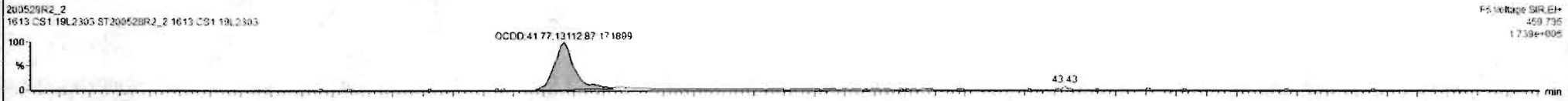
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



Name	Resp	RA	nJY	RRF	wIvol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.84	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.69e4	1.27	NO	1.0324	1.000	34.86	1.000	2.53	101	0.0774	2.53
4 1,2,3,6,7,8-HxCDD	1.50e4	1.25	NO	0.8923	1.000	34.99	1.001	2.47	98.5	0.0747	2.47
5 1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8865	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6 1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8639	1.000	36.61	1.001	2.33	93.3	0.0613	2.33
7 OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	98.4	0.149	4.97
8 2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.463	97.7	0.0670	0.468
9 1,2,3,7,8-PeCDF	3.06e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10 2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9348	1.000	31.21	1.000	2.52	101	0.0395	2.52
11 1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8545	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12 1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8892	1.000	34.12	1.000	2.50	100	0.0642	2.50
13 2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9241	1.000	34.71	1.001	2.38	96.3	0.0702	2.38
14 1,2,3,7,8,9-HxCDF	1.48e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15 1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16 1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.32	1.000	2.33	93.3	0.0630	2.33
17 OCDF	2.40e4	0.84	NO	0.8065	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18 13C-2,3,7,8-TCDD	1.29e6	0.79	NO	1.1563	1.000	26.54	1.025	89.3	89.8	0.0928	
19 13C-1,2,3,7,8-PeCDD	9.36e5	0.83	NO	0.8490	1.000	31.50	1.216	86.7	88.7	0.113	
20 13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7790	1.000	34.87	1.014	85.9	85.9	0.183	
21 13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.95	1.017	87.7	87.7	0.140	

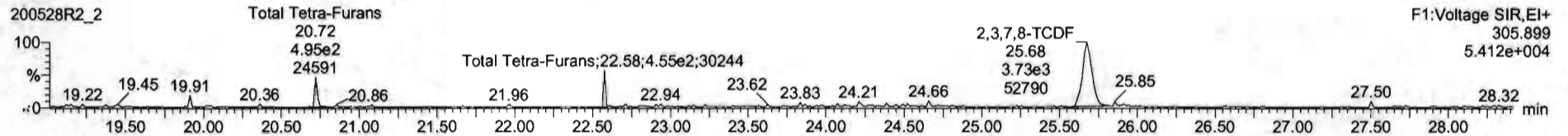
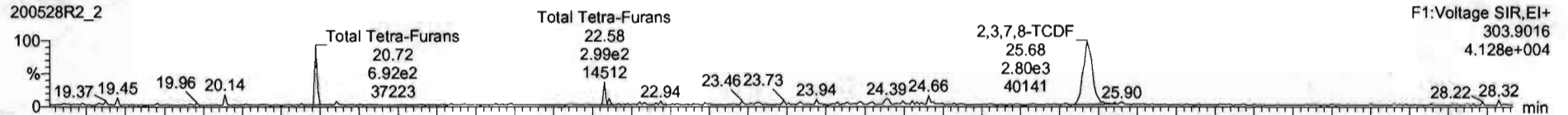


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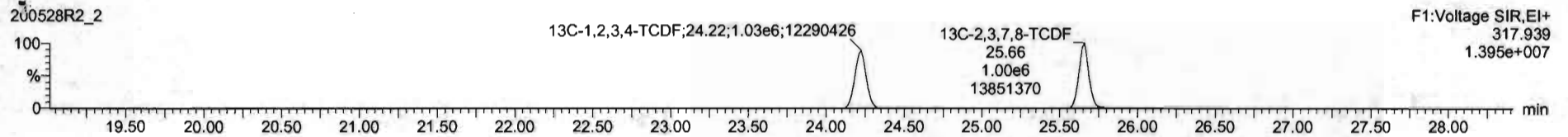
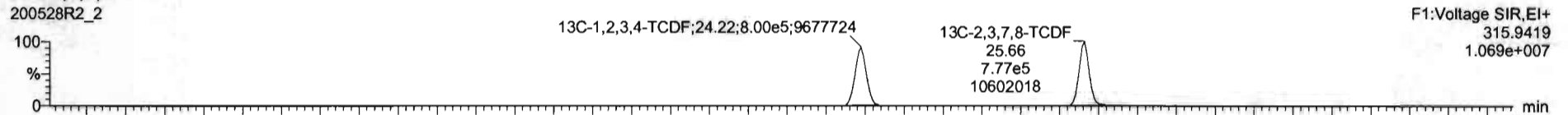
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

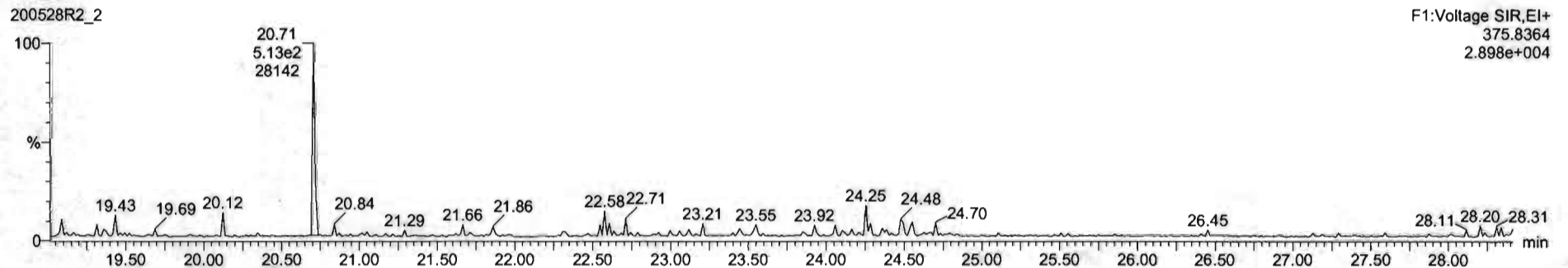
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time

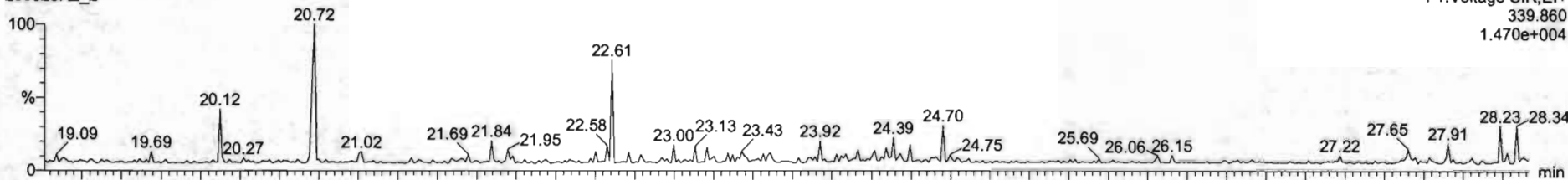
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1st Func. Penta-Furans

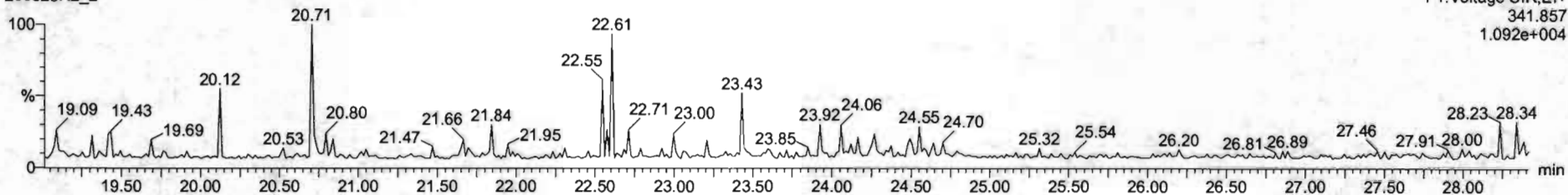
200528R2_2

F1:Voltage SIR,EI+
339.860
1.470e+004



200528R2_2

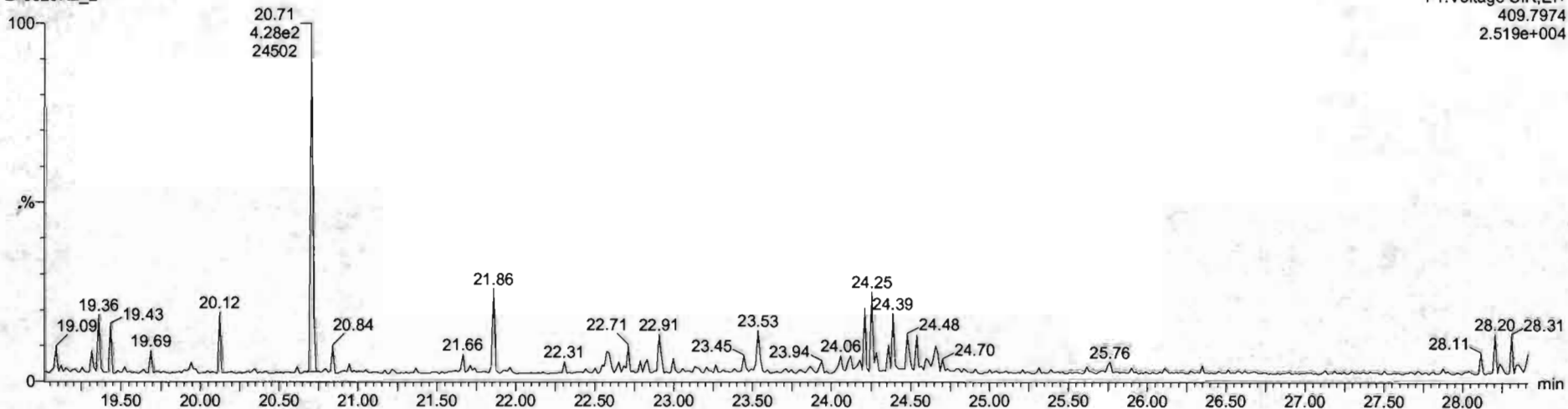
F1:Voltage SIR,EI+
341.857
1.092e+004



DPE6

200528R2_2

F1:Voltage SIR,EI+
409.7974
2.519e+004



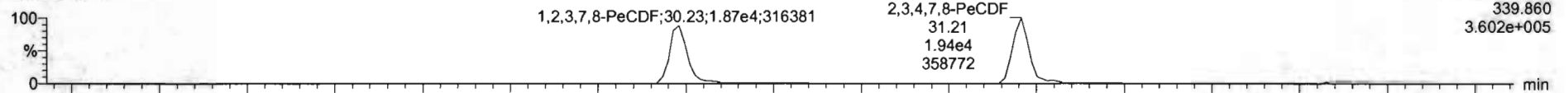
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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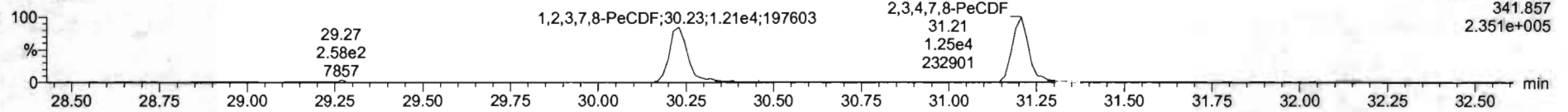
1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
339.860
3.602e+005

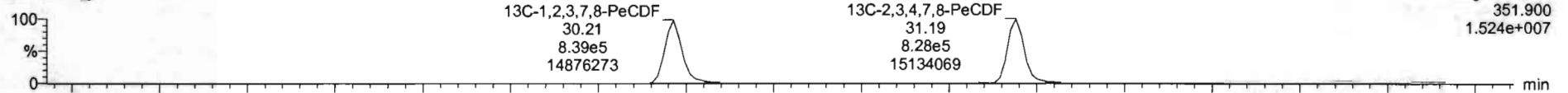
200528R2_2



F2:Voltage SIR,EI+
341.857
2.351e+005

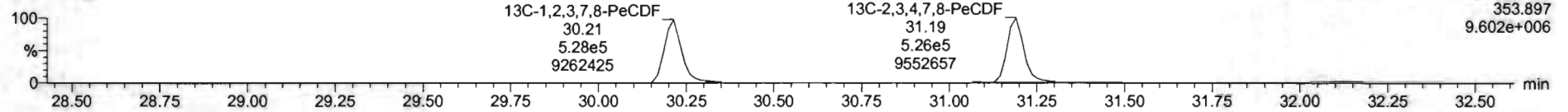
13C-1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
351.900
1.524e+007

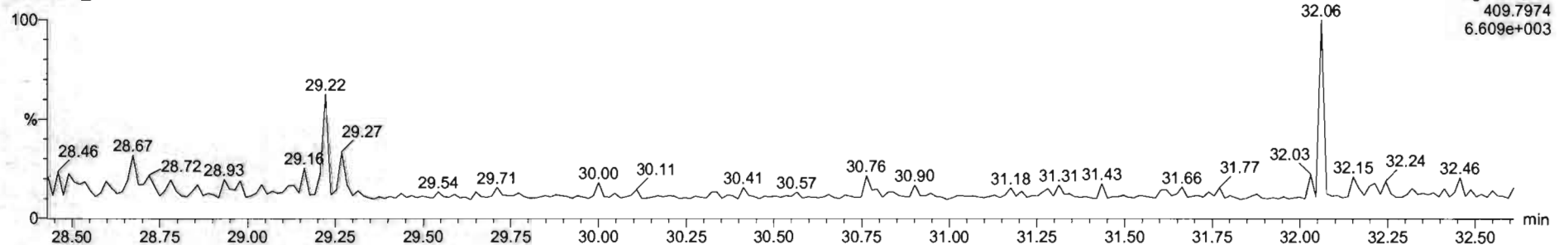
200528R2_2



F2:Voltage SIR,EI+
353.897
9.602e+006

DPE2

200528R2_2



F2:Voltage SIR,EI+
409.7974
6.609e+003

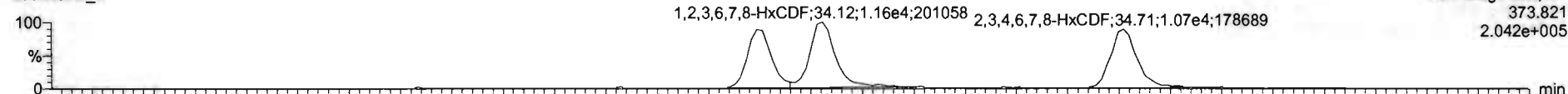
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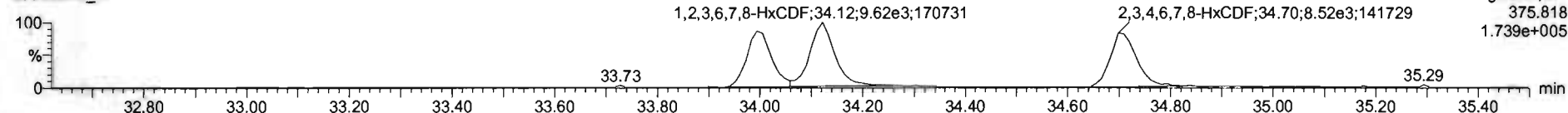
1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
373.821
2.042e+005

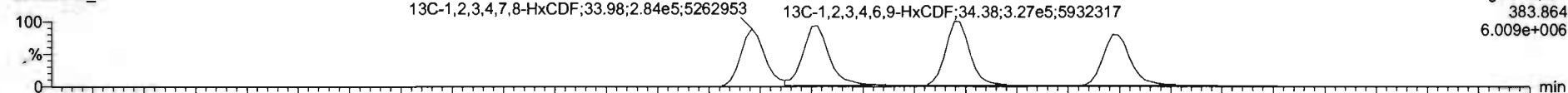
200528R2_2



F3: Voltage SIR, EI+
375.818
1.739e+005

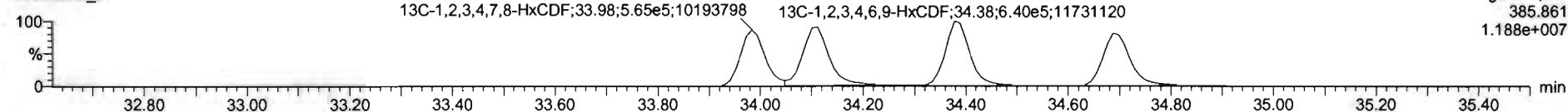
13C-1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
383.864
6.009e+006

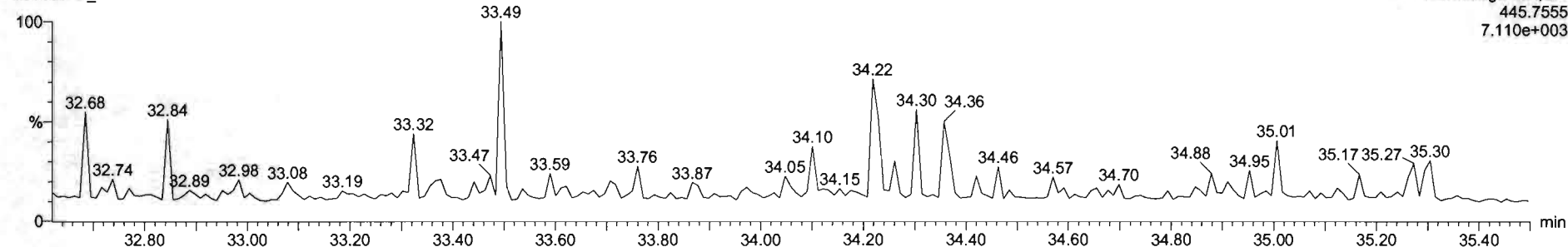
200528R2_2



F3: Voltage SIR, EI+
385.861
1.188e+007

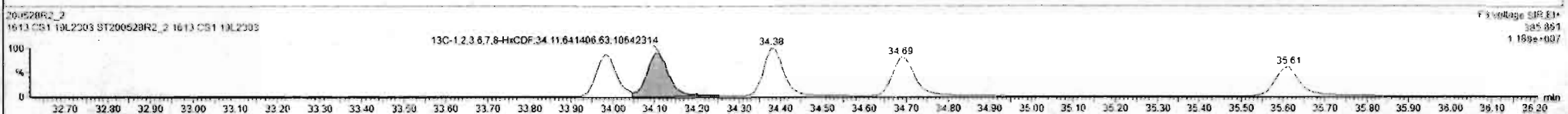
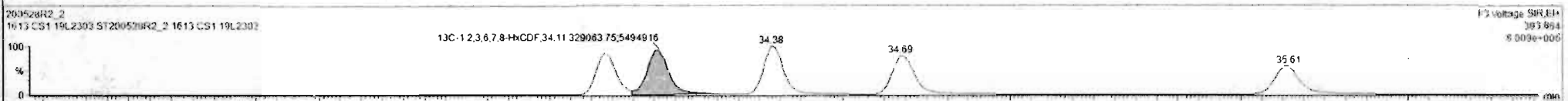
DPE3

200528R2_2

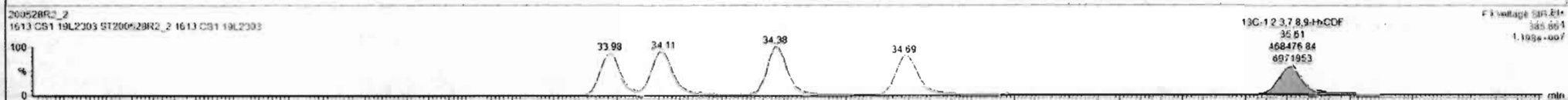
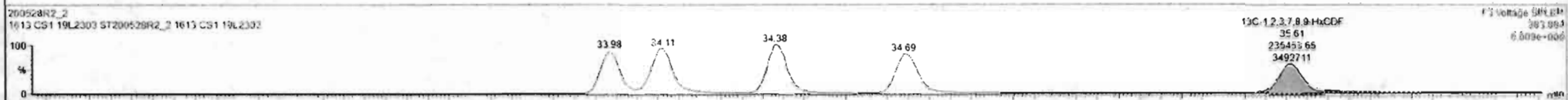


F3: Voltage SIR, EI+
445.7555
7.110e+003

#	Name	Resp	RA	nby	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.69e3	0.76	NO	0.8963	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2	1,2,3,7,8-PeCDD	2.12e4	0.64	NO	0.9051	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3	1,2,3,4,7,8-HxCDD	1.69e4	1.27	NO	1.0334	1.000	34.86	1.000	2.53	101	0.0774	2.53
4	1,2,3,6,7,8-HxCDD	1.90e4	1.25	NO	0.8973	1.000	34.99	1.001	2.47	98.5	0.0747	3.47
5	1,2,3,7,9-HxCDD	1.62e4	1.21	NO	0.8269	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6	1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8639	1.000	36.51	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	99.4	0.149	4.97
8	2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.468	97.7	0.0620	0.468
9	1,2,3,7,8-PeCDF	3.08e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10	2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9340	1.000	31.21	1.000	2.52	101	0.0395	2.52
11	1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8545	1.000	33.99	1.000	2.41	96.3	0.0665	3.41
12	1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.6552	1.000	34.12	1.000	2.50	100	0.0542	2.50
13	2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9341	1.000	34.71	1.001	2.38	95.3	0.0702	2.38
14	1,2,3,7,8,9-HxCDF	1.46e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15	1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16	1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17	OCDF	2.40e4	0.84	NO	0.8085	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18	12C-2,3,7,8-TCDD	1.79e6	0.79	NO	1.1563	1.000	26.54	1.025	89.8	89.8	0.0928	
19	13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	68.7	68.7	0.113	
20	13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7750	1.000	34.87	1.014	85.9	85.9	0.183	
21	13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.96	1.017	87.7	87.7	0.140	



#	Name	Resp	RA	ntf	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.99e3	0.76	NO	0.8843	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2	1,2,3,7,8-PeCDD	2.12e4	0.84	NO	0.9051	1.000	31.51	1.000	2.50	99.3	0.0401	2.50
3	1,2,3,4,7,8-HxCDD	1.05e4	1.27	NO	1.0334	1.000	34.85	1.000	2.53	101	0.0774	2.53
4	1,2,3,6,7,8-HxCDD	1.90e4	1.25	NO	0.8973	1.000	34.99	1.001	2.47	98.5	0.0747	2.47
5	1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8565	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6	1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8638	1.000	36.81	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9126	1.000	41.77	1.000	4.97	99.4	0.149	4.97
8	2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.468	97.7	0.0620	0.468
9	1,2,3,7,8-PeCDF	3.05e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10	2,3,4,7,8-PeCDF	0.15e4	1.55	NO	0.9346	1.000	31.21	1.000	2.52	101	0.0395	2.52
11	1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12	1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8882	1.000	34.12	1.000	2.50	100	0.0642	2.50
13	2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9341	1.000	34.71	1.001	2.36	96.3	0.0702	2.36
14	1,2,3,7,8,9-HxCDF	1.48e4	1.12	NO	0.8787	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15	1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16	1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17	OCDF	2.40e4	0.84	NO	0.8565	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18	13C-2,3,7,8-TCDD	1.29e6	0.79	NO	1.1562	1.000	26.54	1.025	89.8	89.8	0.0528	
19	13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	88.7	88.7	0.113	
20	13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7750	1.000	34.87	1.014	85.9	85.9	0.183	
21	13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0157	1.000	34.96	1.017	87.7	87.7	0.140	



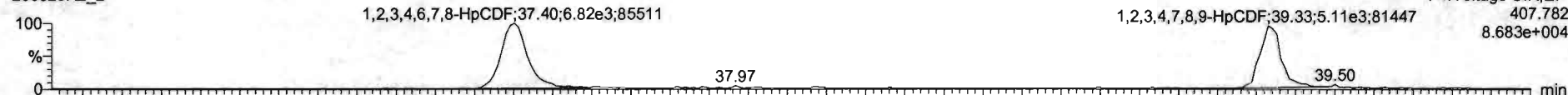
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

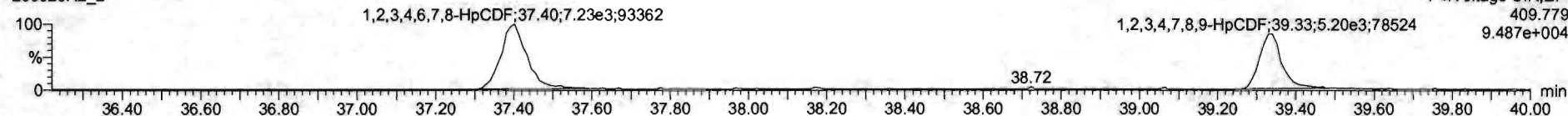
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1,2,3,4,6,7,8-HpCDF

200528R2_2

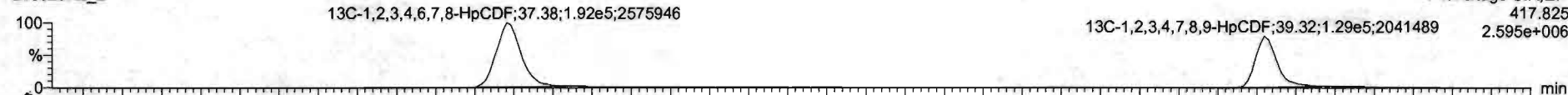


200528R2_2

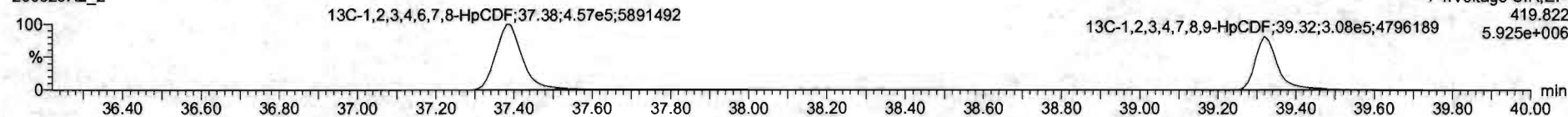


13C-1,2,3,4,6,7,8-HpCDF

200528R2_2

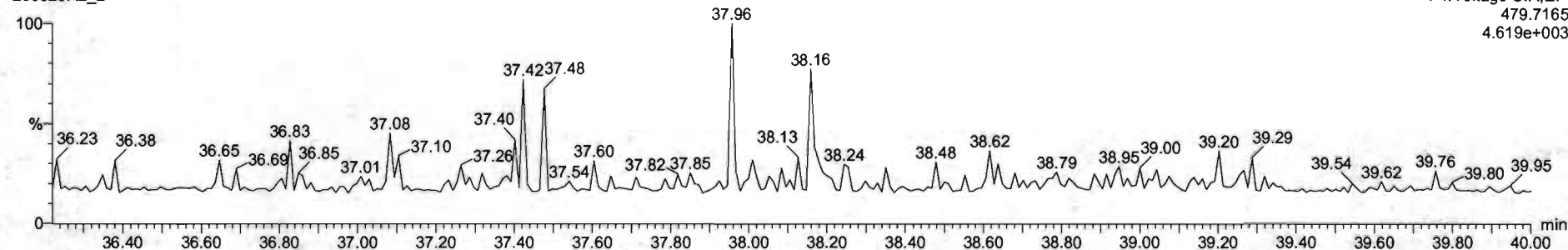


200528R2_2



DPE4

200528R2_2

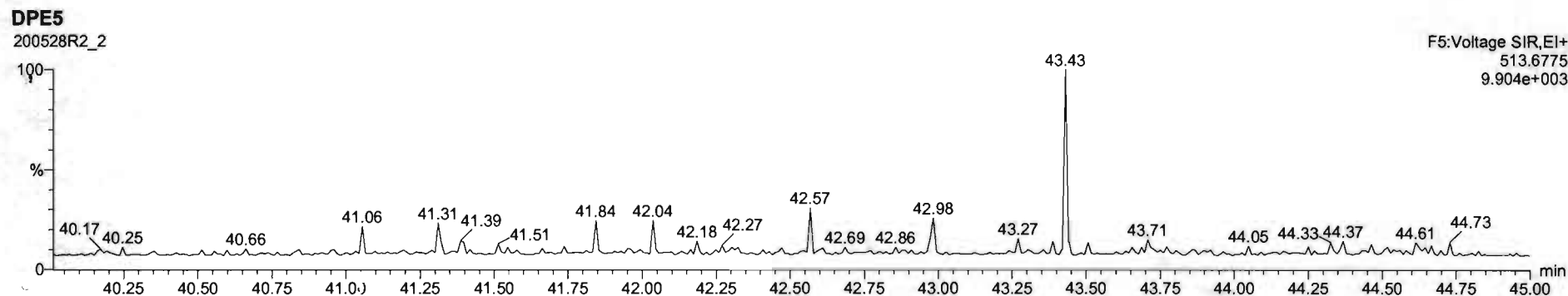
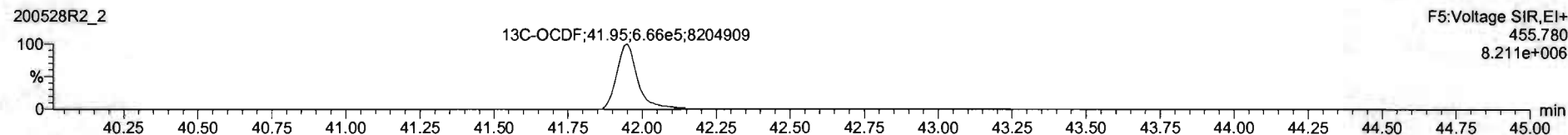
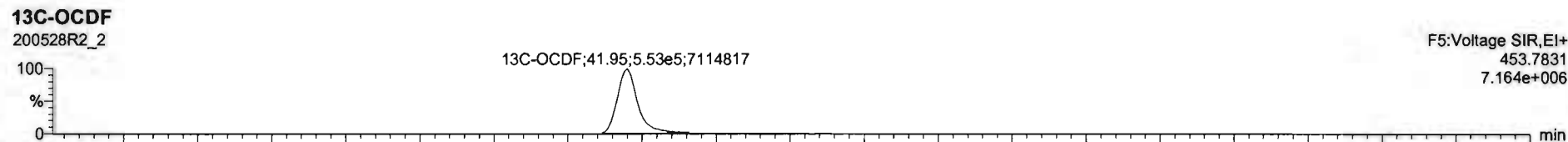
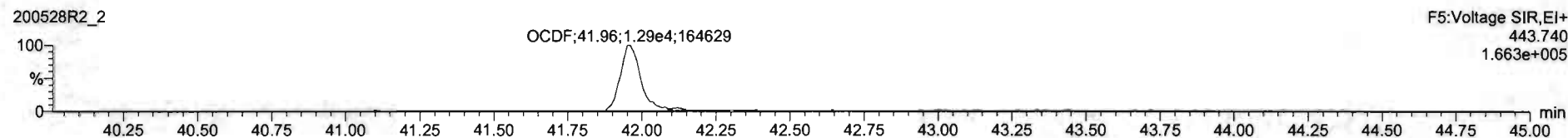
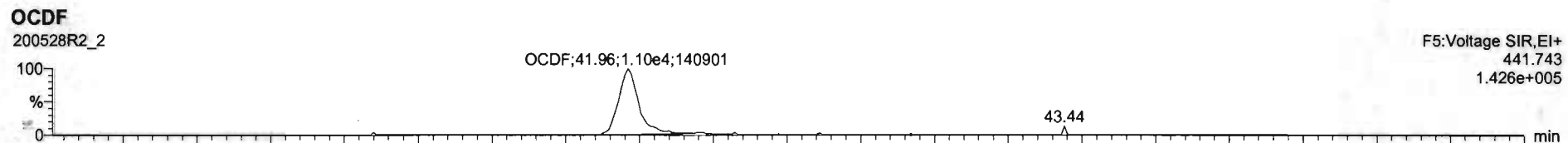


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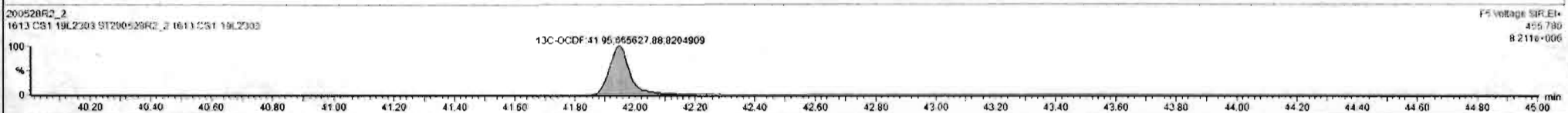
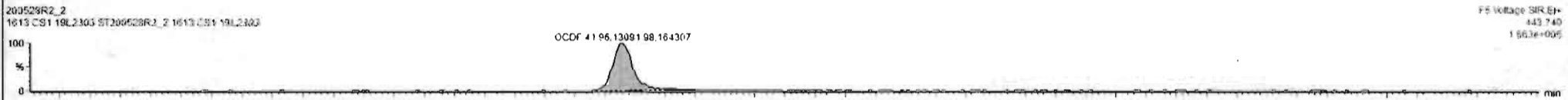
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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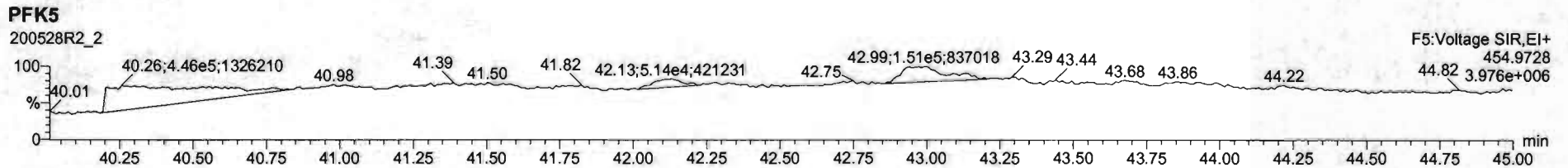
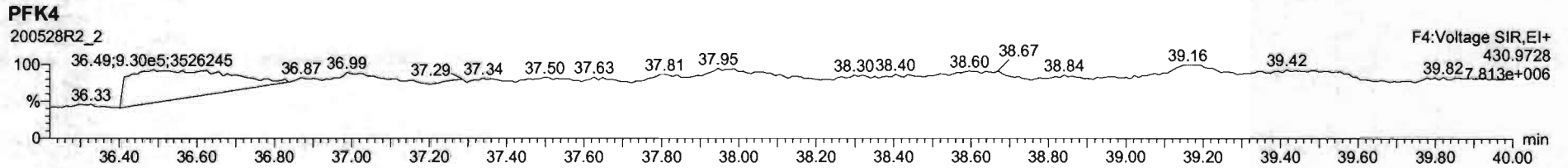
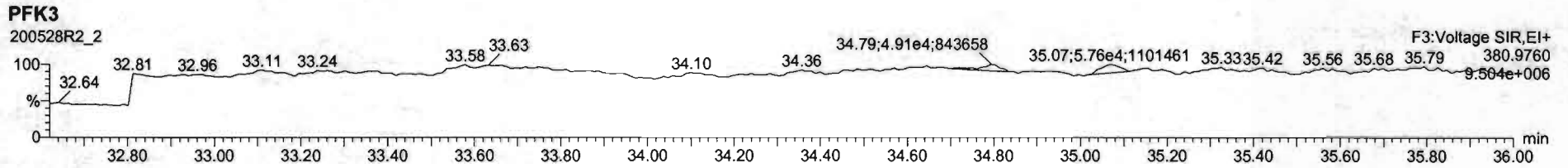
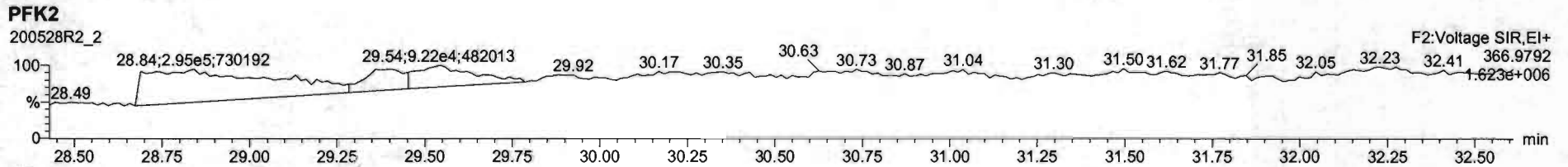
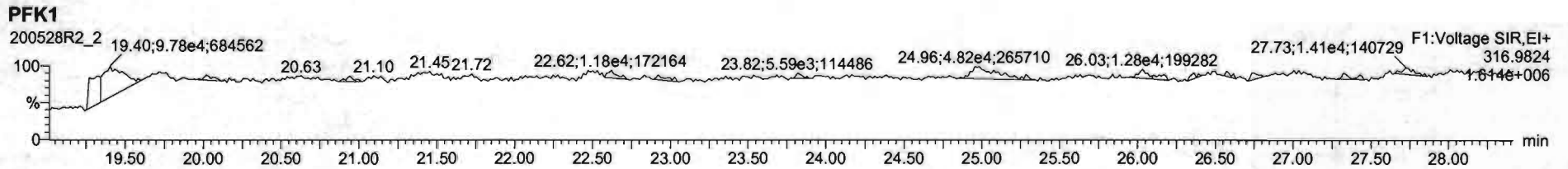
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1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.64	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.85e4	1.27	NO	1.0334	1.000	24.85	1.000	2.53	101	0.0774	2.53
4 1,2,3,6,7,8-HxCDD	1.96e4	1.25	NO	0.8923	1.000	24.99	1.001	2.47	96.9	0.0747	2.47
5 1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8869	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6 1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8638	1.000	36.81	1.001	2.33	92.3	0.0613	2.33
7 OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	99.4	0.148	4.97
8 2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.488	97.7	0.0670	0.488
9 1,2,3,7,8-PeCDF	3.09e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10 2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9348	1.000	31.21	1.000	2.52	101	0.0395	2.52
11 1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12 1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8892	1.000	34.12	1.000	2.50	100	0.0642	2.50
13 2,3,4,6,7,8-HxCDF	1.93e4	1.28	NO	0.9341	1.000	34.21	1.001	2.38	95.3	0.0702	2.38
14 1,2,3,7,8,9-HxCDF	1.42e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15 1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16 1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0126	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17 OCDF	2.40e4	0.84	NO	0.8085	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18 13C-2,3,7,8-TCDD	1.29e0	0.79	NO	1.1563	1.000	26.54	1.025	39.3	89.8	0.0928	
19 13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	88.7	88.7	0.113	
20 13C-1,2,3,4,7,8-HxCDD	5.46e5	1.28	NO	0.7790	1.000	24.87	1.014	85.9	85.9	0.183	
21 13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.96	1.017	87.7	87.7	0.140	



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Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



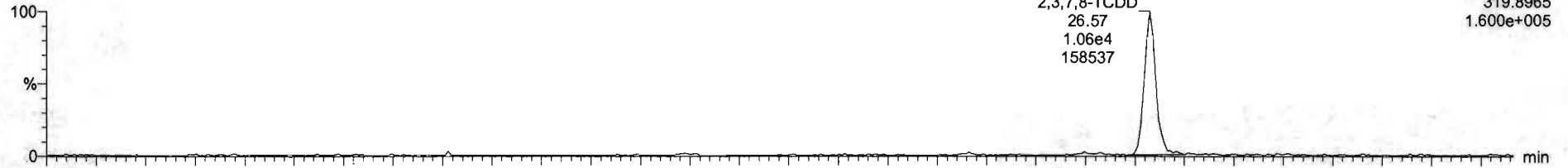
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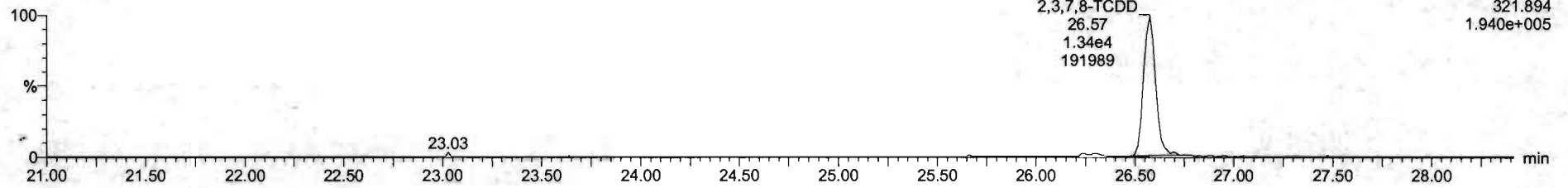
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2,3,7,8-TCDD

200528R2_3

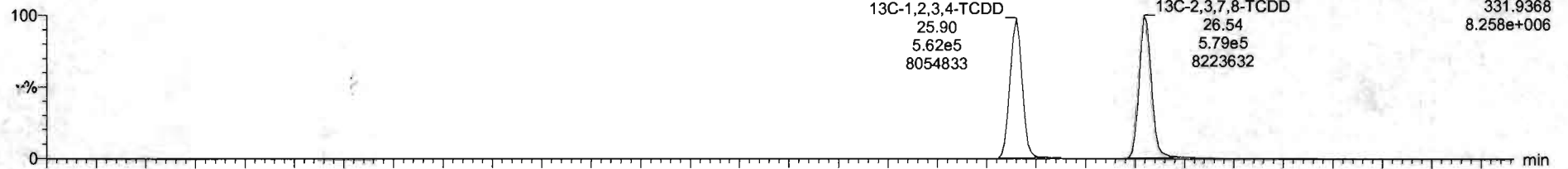


200528R2_3

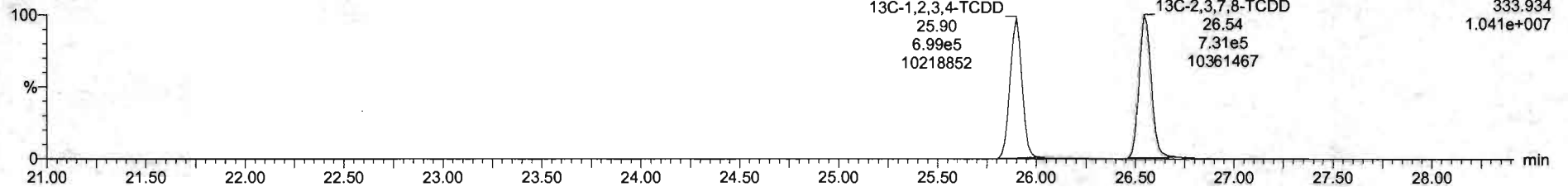


13C-2,3,7,8-TCDD

200528R2_3



200528R2_3



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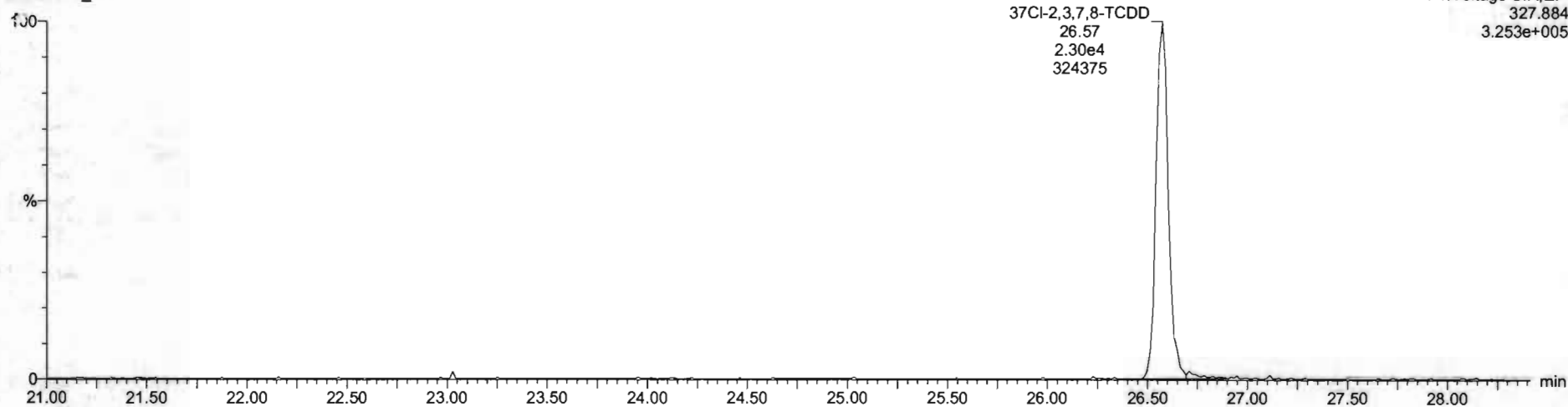
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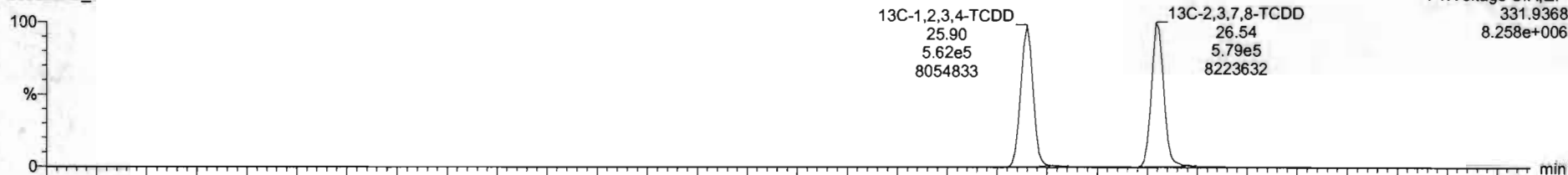
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200528R2_3

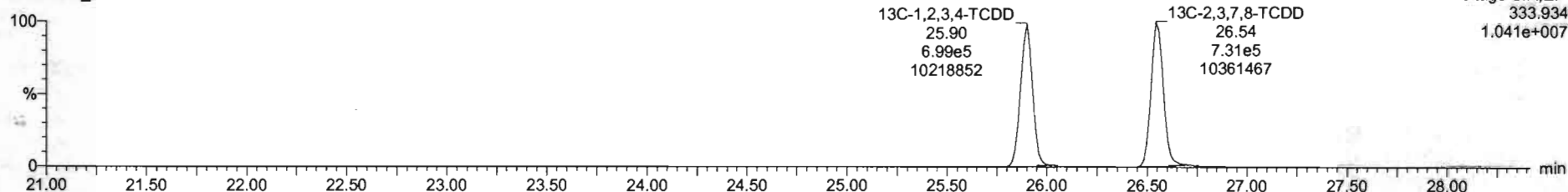


13C-1,2,3,4-TCDD

200528R2_3



200528R2_3



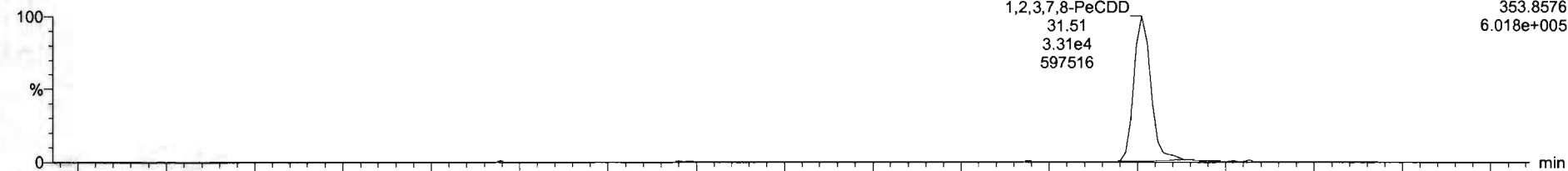
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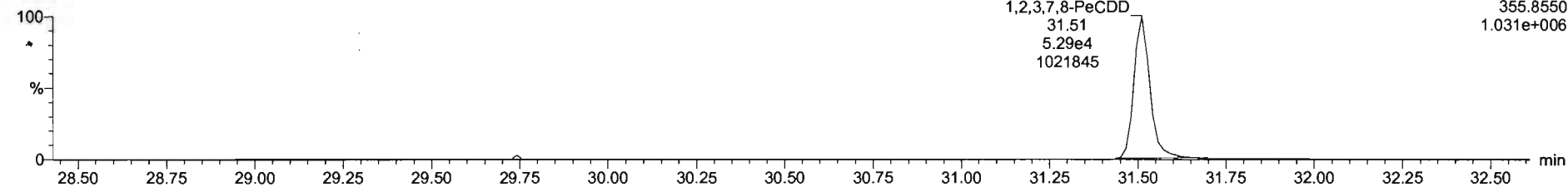
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1,2,3,7,8-PeCDD

200528R2_3

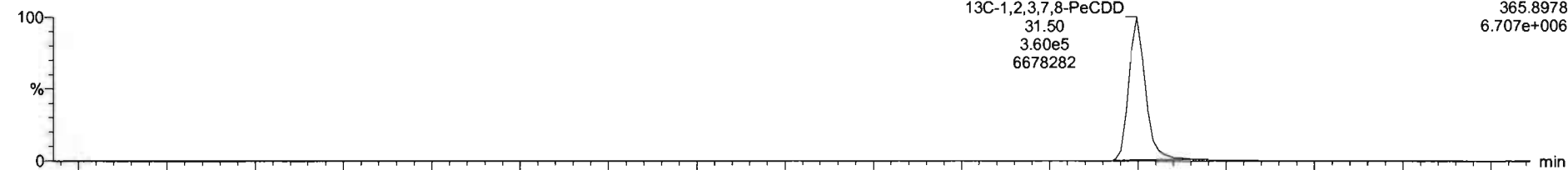


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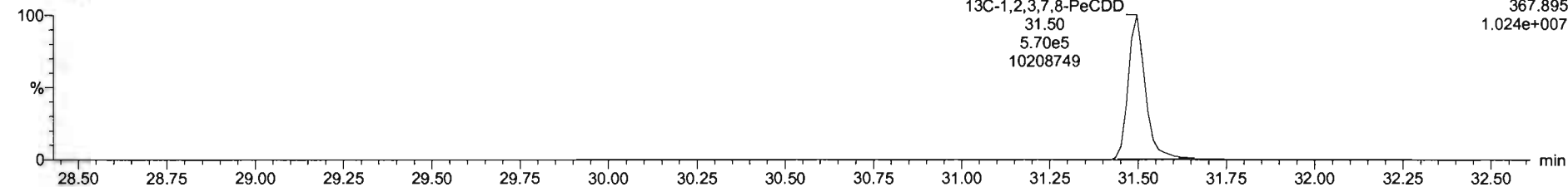


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200528R2_3



200528R2_3



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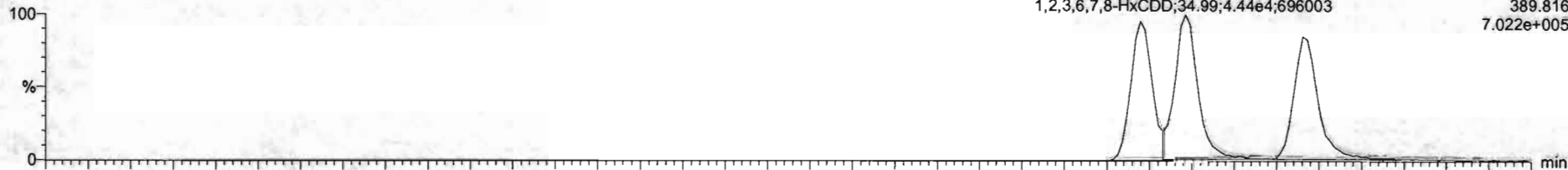
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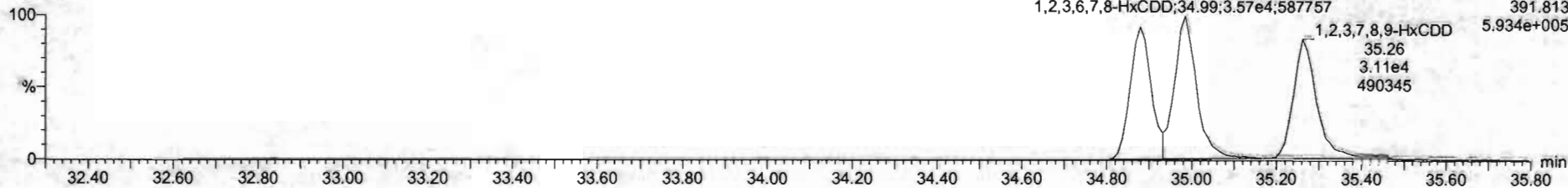
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1,2,3,4,7,8-HxCDD

200528R2_3

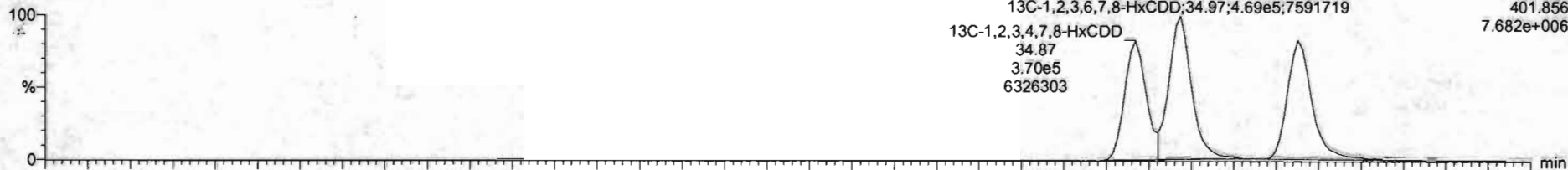


200528R2_3

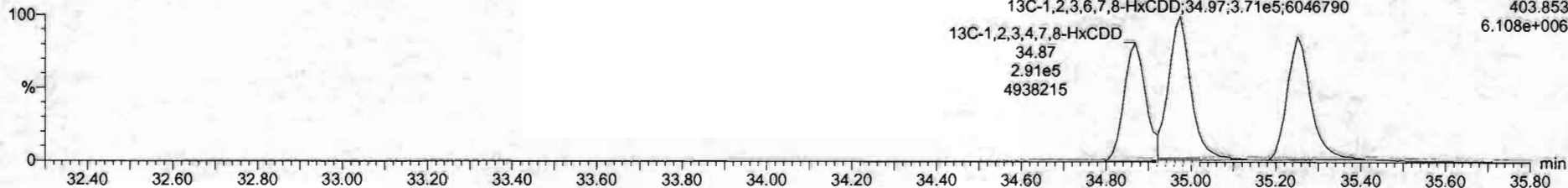


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200528R2_3



200528R2_3



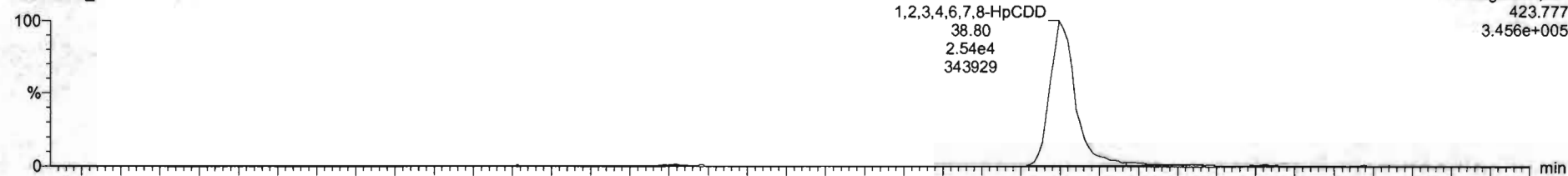
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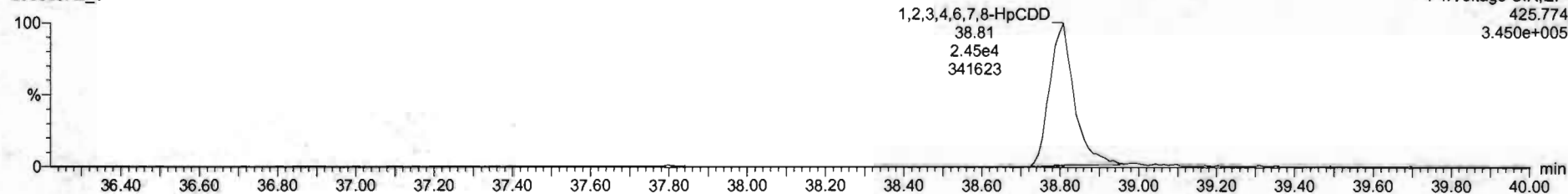
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1,2,3,4,6,7,8-HpCDD

200528R2_3

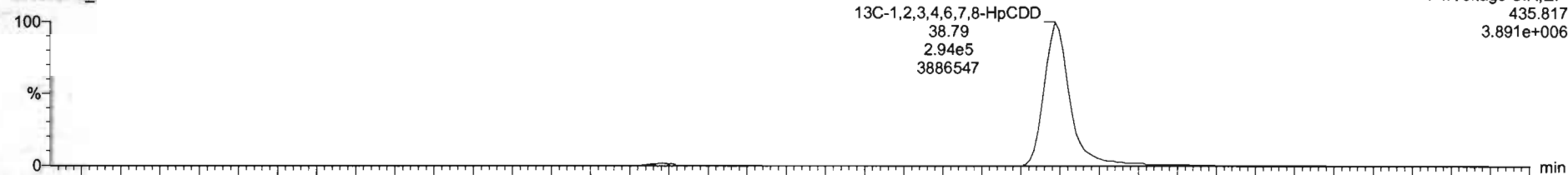


200528R2_3

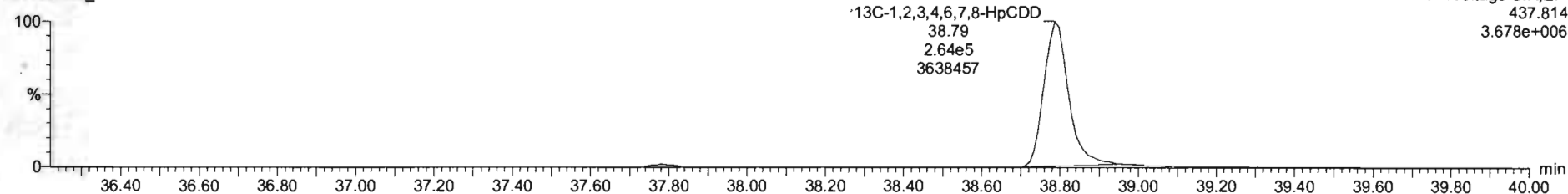


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200528R2_3



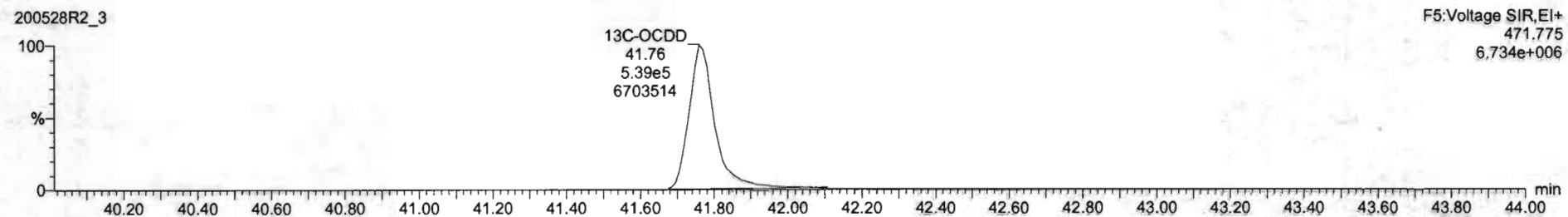
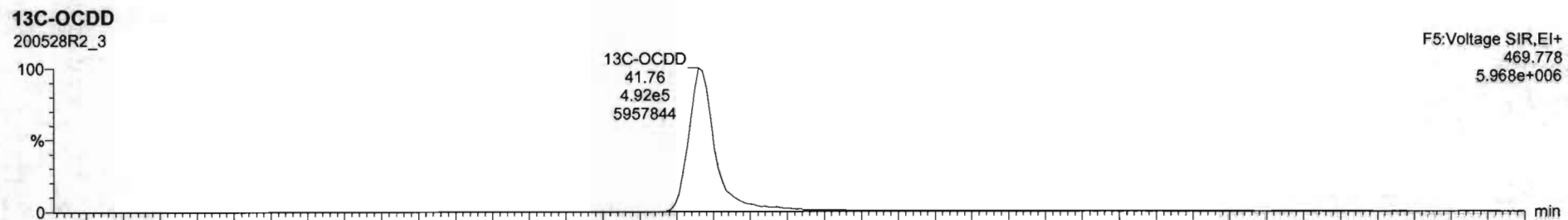
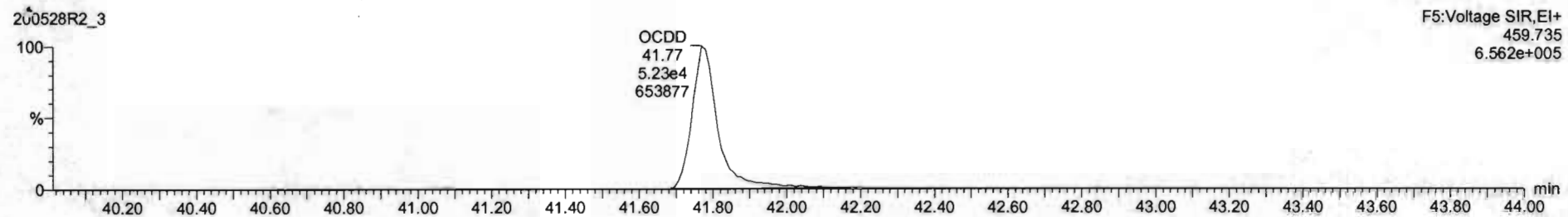
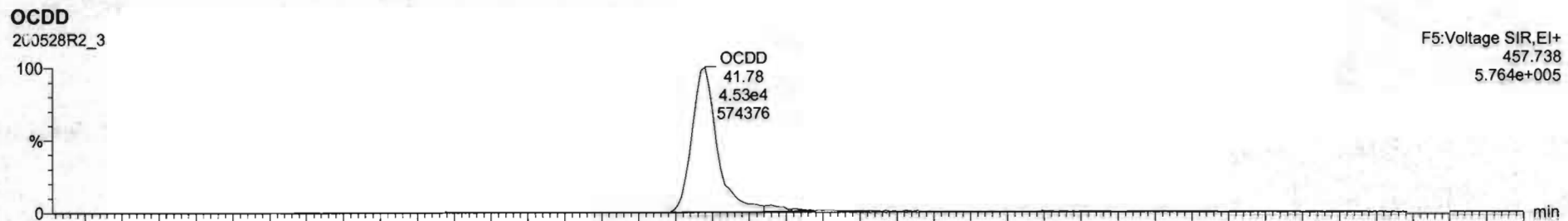
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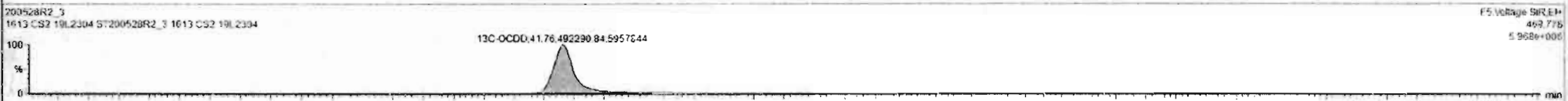
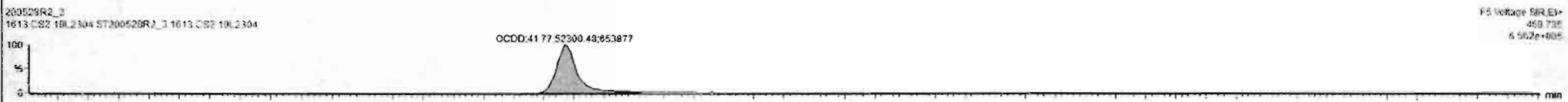
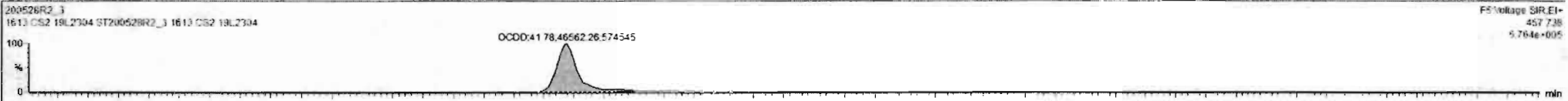
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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



Name	Resp	RA	n/y	RHF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.40e4	0.30	NO	0.8983	1.000	26.57	1.001	2.05	103	0.0278	2.96
2 1,2,3,7,8-PeCDD	5.50e4	0.63	NO	0.9081	1.000	31.51	1.000	10.2	102	0.0400	10.2
3 1,2,3,4,7,8-HxCDD	6.94e4	1.24	NO	1.0324	1.000	34.88	1.000	10.2	102	0.0561	10.2
4 1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8523	1.000	34.99	1.000	10.7	107	0.0559	10.7
5 1,2,3,7,8,9-HxCDD	7.01e4	1.26	NO	0.8265	1.000	35.26	1.000	10.5	105	0.0679	10.5
6 1,2,3,4,6,7,8-HpCDD	4.59e4	1.93	NO	0.8639	1.000	38.50	1.000	10.4	104	0.0797	10.4
7 OCDD	9.65e4	0.39	NO	0.9136	1.000	41.76	1.000	21.0	105	0.109	21.0
8 2,3,7,8-TCDF	2.67e4	0.74	NO	0.7510	1.000	26.88	1.001	1.97	96.6	0.0321	1.97
9 1,2,3,7,8-PeCDF	1.31e5	1.55	NO	0.8925	1.000	30.23	1.000	10.7	107	0.0517	10.7
10 2,3,4,7,8-PeCDF	1.34e5	1.55	NO	0.9346	1.000	31.21	1.000	10.4	104	0.0475	10.4
11 1,2,3,4,7,8-HxCDF	7.91e4	1.22	NO	0.8545	1.000	34.81	1.001	10.6	106	0.0661	10.6
12 1,2,3,6,7,8-HxCDF	5.20e4	1.28	NO	0.8892	1.000	34.12	1.000	10.3	103	0.0595	10.3
13 2,3,4,6,7,8-HxCDF	6.53e4	1.25	NO	0.9341	1.000	34.71	1.000	10.5	105	0.0860	10.5
14 1,2,3,7,8,9-HxCDF	6.49e4	1.24	NO	0.8707	1.000	35.62	1.000	10.3	103	0.0961	10.3
15 1,2,3,4,6,7,8-HpCDF	5.72e4	1.00	NO	0.6734	1.000	37.40	1.001	10.1	101	0.0828	10.1
16 1,2,3,4,7,8,9-HpCDF	4.43e4	1.91	NO	1.0128	1.000	39.34	1.000	10.4	104	0.0861	10.4
17 OCDF	3.85e4	0.66	NO	0.8085	1.000	41.96	1.000	20.6	103	0.0967	20.6
18 13C-2,3,7,8-TCDD	1.31e6	0.79	NO	1.1583	1.000	26.54	1.025	29.3	89.6	0.0659	
19 13C-1,2,3,7,8-PeCDD	9.29e5	0.63	NO	0.8450	1.000	31.50	1.216	86.8	86.8	0.123	
20 13C-1,2,3,4,7,8-HxCDD	6.61e5	1.27	NO	0.7790	1.000	34.87	1.014	87.0	87.0	0.189	
21 13C-1,2,3,6,7,8-HxCDD	6.39e5	1.26	NO	1.0167	1.000	34.97	1.017	84.7	84.7	0.145	



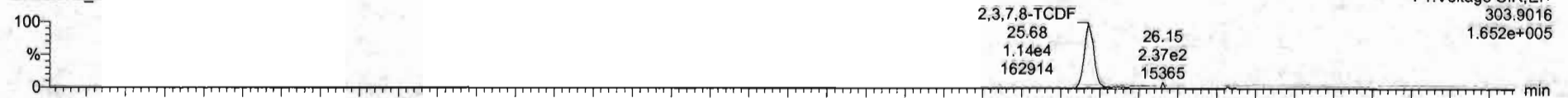
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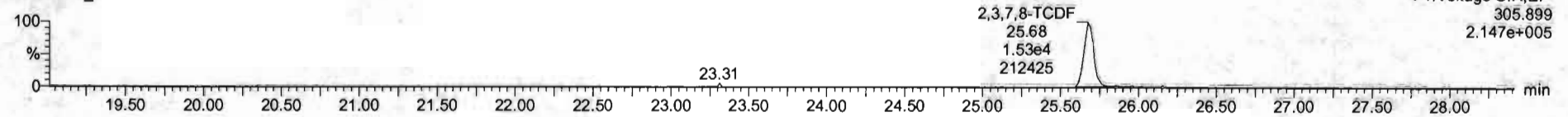
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2,3,7,8-TCDF

200528R2_3

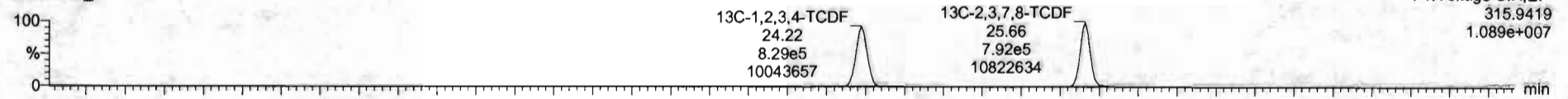


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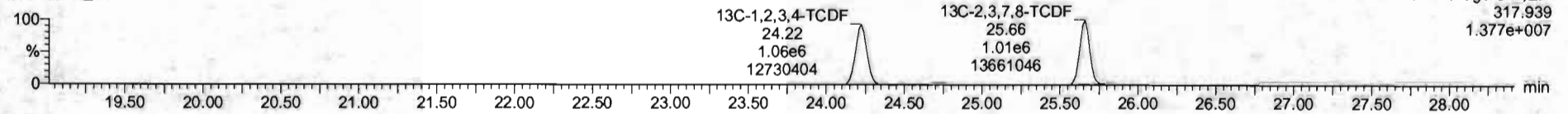


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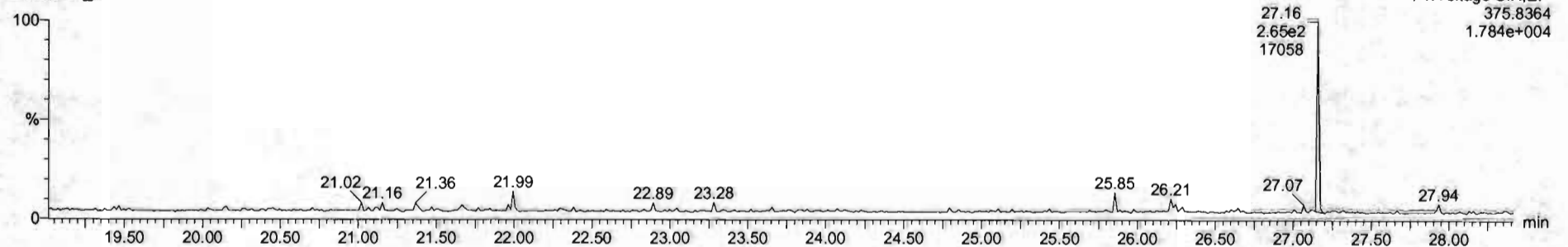


200528R2_3



DPE1

200528R2_3



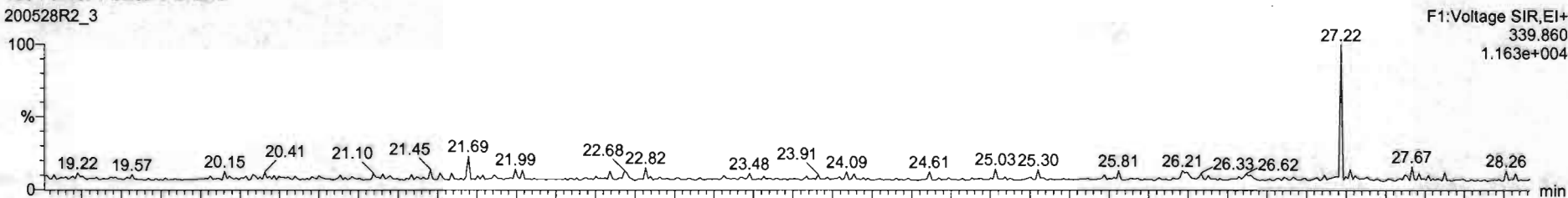
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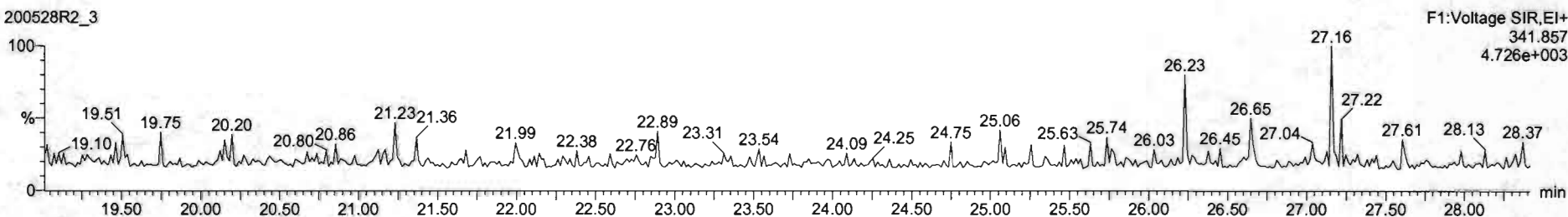
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1st Func. Penta-Furans

200528R2_3

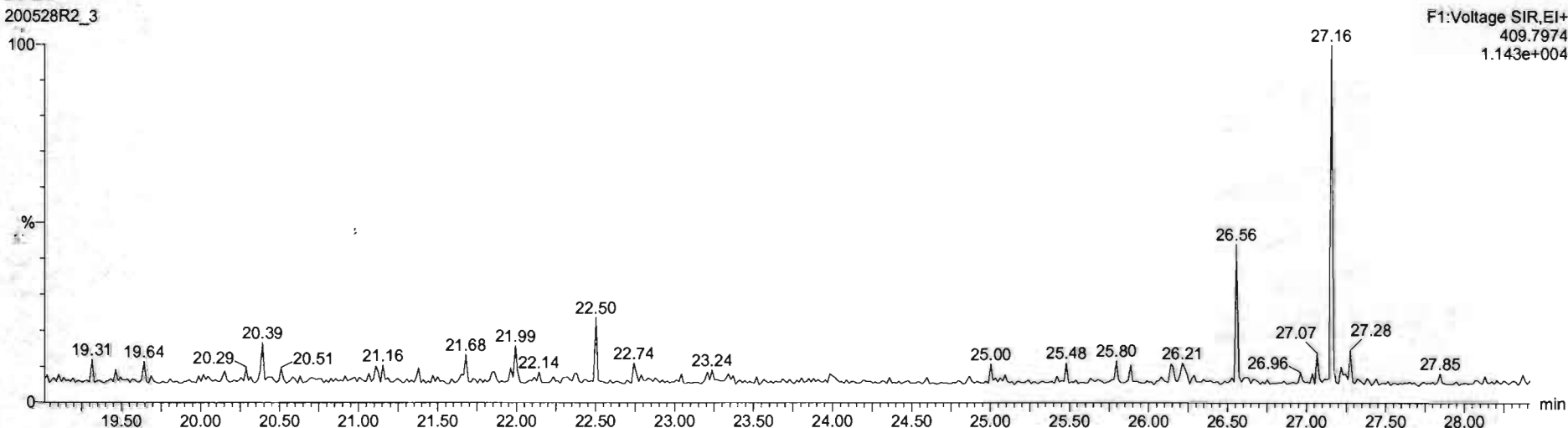


200528R2_3



DPE6

200528R2_3



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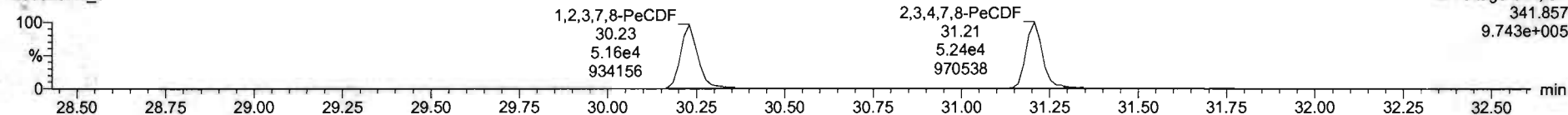
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1,2,3,7,8-PeCDF

200528R2_3

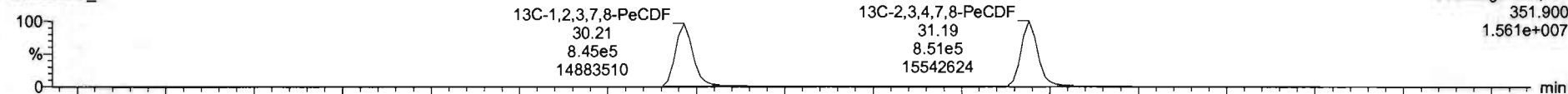


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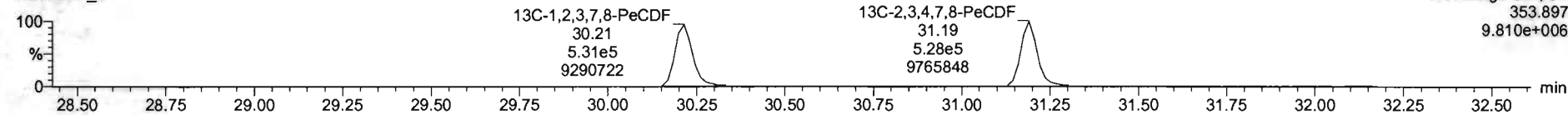


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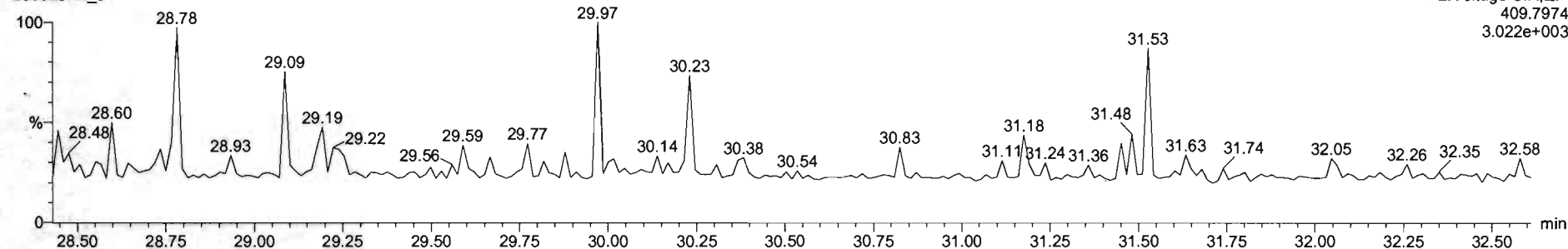


200528R2_3



DPE2

200528R2_3



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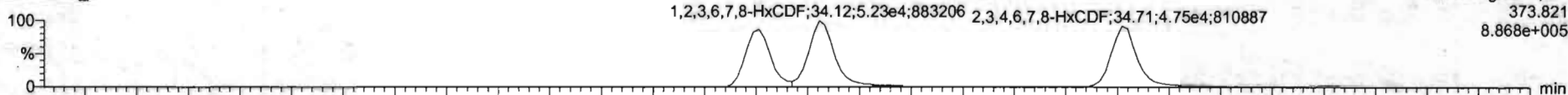
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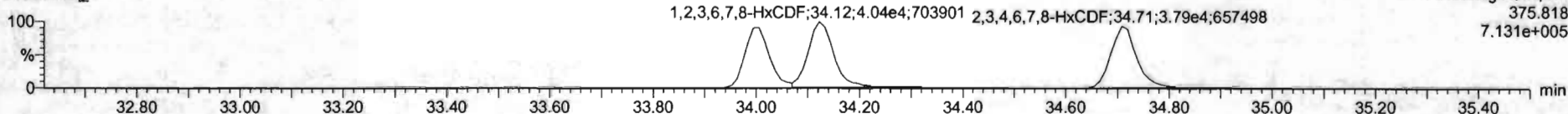
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1,2,3,4,7,8-HxCDF

200528R2_3

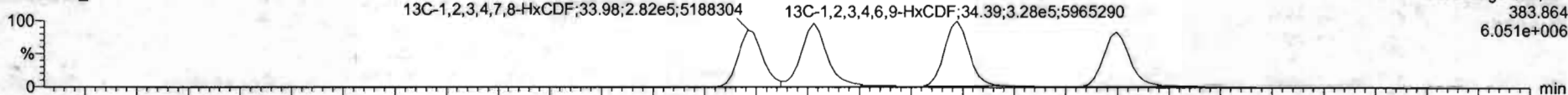


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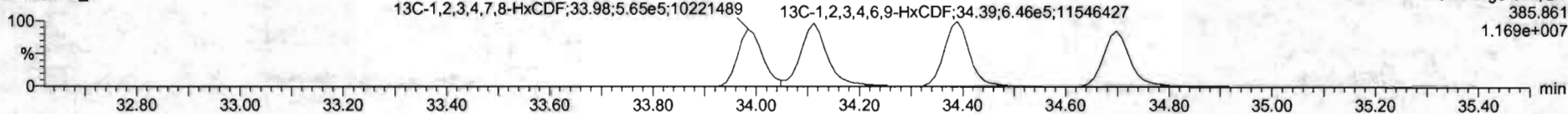


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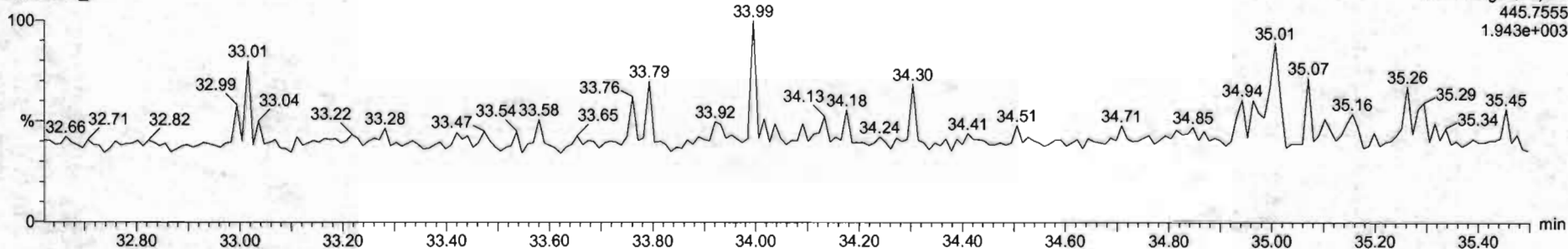


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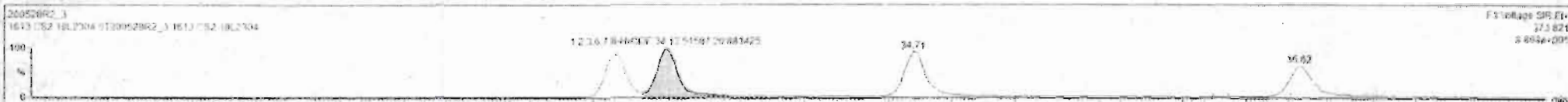


DPE3

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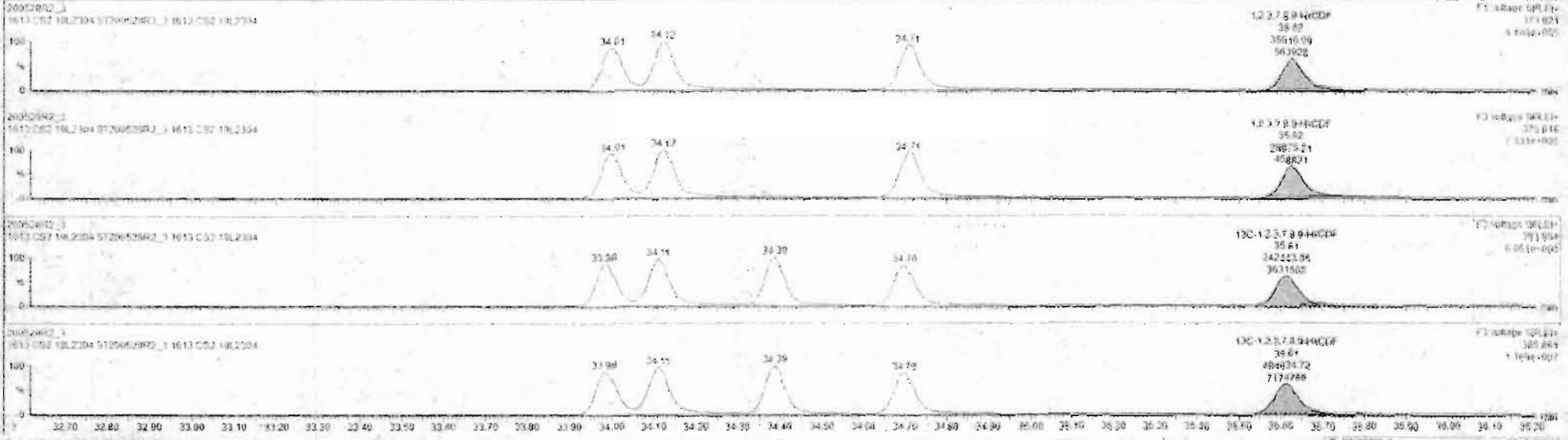


#	Name	Resp	RA	n/y	RRF	weight	BT	NK1	Conc	%Rec	DR	EMPL
1	1,2,3,6,7-CDD	2.58e4	0.39	NO	0.8803	1.000	20.07	1.001	2.08	103	0.0070	2.08
2	1,2,3,7,8-PeCDD	5.58e4	0.43	NO	0.9051	1.000	31.51	1.000	10.2	102	0.0400	10.2
3	1,2,3,4,7,8-HxCDD	5.94e4	1.24	NO	1.0334	1.000	34.88	1.000	16.2	102	0.0501	16.2
4	1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8923	1.000	34.95	1.000	16.7	107	0.0559	16.7
5	1,2,3,7,8,9-HxCDD	7.01e4	1.26	NO	0.9269	1.000	35.26	1.000	16.1	105	0.0670	16.1
6	1,2,3,4,6,7,8-HpCDD	1.99e4	1.02	NO	0.8839	1.000	39.80	1.000	18.4	104	0.0797	18.4
7	OCDD	9.89e4	0.39	NO	0.9136	1.000	41.75	1.000	21.0	105	0.1169	21.0
8	1,2,3,6,7,8-PeCDF	2.87e4	0.74	NO	0.7510	1.000	35.60	1.001	1.91	98.8	0.0511	1.91
9	1,2,3,7,8-PeCDF	1.31e5	1.58	NO	0.8025	1.000	36.23	1.000	10.7	107	0.0517	10.7
10	1,2,3,4,7,8-HxCDF	1.34e5	1.55	NO	0.9346	1.000	31.21	1.000	10.4	104	0.0475	10.4
11	1,2,3,4,7,8-HxCDF	7.91e4	1.22	NO	0.8545	1.000	34.01	1.001	10.5	106	0.0611	10.4
12	1,2,3,6,7,8-HxCDF	9.26e4	1.28	NO	0.8852	1.000	34.12	1.000	11.3	103	0.0595	11.3
13	1,2,3,7,8,9-HxCDF	8.03e4	1.21	NO	0.9191	1.000	34.71	1.000	10.5	105	0.0693	10.5
14	1,2,3,7,8,9-HxCDF	6.49e4	1.24	NO	0.9707	1.000	35.62	1.000	10.3	102	0.0911	10.3
15	1,2,3,4,6,7,8-HpCDF	3.72e4	1.00	NO	0.8734	1.000	37.40	1.001	10.1	101	0.0828	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	1.0128	1.000	39.34	1.000	10.4	104	0.0881	10.4
17	OCDF	5.58e4	0.36	NO	0.8585	1.000	41.90	1.000	26.3	103	0.0967	26.3
18	1,2,3,6,7,8-PeCDD	1.31e5	0.79	NO	1.1562	1.000	26.04	1.025	39.0	39.8	0.0809	
19	1,2,3,7,8-PeCDF	9.26e4	0.63	NO	0.8499	1.000	31.50	1.216	98.0	98.1	0.123	
20	1,2,3,4,7,8-HxCDD	6.61e5	1.27	NO	0.7790	1.000	24.97	1.014	37.0	37.2	0.149	
21	1,2,3,6,7,8-HxCDD	6.19e5	1.38	NO	1.0167	1.000	24.97	1.017	64.7	64.7	0.146	





#	Name	Range	ISA	city	RFP	wtVol	RT	RRT	Conc	%Rec	DI	EMPC
1	1,2,3,7,8-HxCDD	2.48e4	0.30	NO	0.8853	1.000	26.17	1.001	3.28	101	0.0078	2.01
2	1,2,3,7,8-PeCDD	5.55e4	0.80	NO	0.9041	1.000	31.21	1.002	10.2	102	0.0430	10.2
3	1,2,3,4,7,8-HxCDD	5.89e4	1.24	NO	1.0374	1.000	34.00	1.000	10.2	102	0.0511	10.2
4	1,2,3,6,7,8-HxCDD	1.01e4	1.24	NO	0.8927	1.000	34.99	1.000	10.7	101	0.0569	10.7
5	1,2,3,7,8,9-HxCDD	7.51e4	1.25	NO	0.8905	1.000	35.20	1.000	10.5	101	0.0670	10.5
6	1,2,3,4,6,7,8-HpCDD	4.99e4	1.03	NO	0.8838	1.000	28.00	1.000	10.4	104	0.0197	10.4
7	CDD	3.89e4	0.89	NO	0.9130	1.000	41.75	1.000	21.0	105	0.1005	21.0
8	1,2,3,7,8-HxCDF	2.87e4	0.74	NO	0.7510	1.000	25.09	1.001	1.97	98.6	0.0231	1.97
9	1,2,3,7,8-PeCDF	1.31e4	1.55	NO	0.9225	1.000	30.21	1.000	10.7	101	0.0517	10.7
10	1,2,3,4,7,8-HxCDF	1.38e4	1.55	NO	0.9245	1.000	31.21	1.000	10.5	104	0.0475	10.4
11	1,2,3,4,7,8-HpCDF	7.91e4	1.20	NO	0.8545	1.000	34.01	1.001	10.5	100	0.2683	10.5
12	1,2,3,6,7,8-HxCDF	4.26e4	1.25	NO	0.9092	1.000	34.12	1.000	10.2	103	0.0595	10.2
13	1,2,3,6,7,8-HpCDF	8.51e4	1.25	NO	0.9341	1.000	34.71	1.000	10.1	100	0.0600	10.1
14	1,2,3,7,8,9-HpCDF	6.49e4	1.24	NO	0.8787	1.000	35.81	1.000	10.3	100	0.0501	10.3
15	1,2,3,4,6,7,8-HpCDF	1.72e4	1.00	NO	0.8734	1.000	37.40	1.001	10.1	101	0.0820	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	0.8128	1.000	30.38	1.000	10.4	104	0.0601	10.4
17	CDF	3.66e4	0.60	NO	0.8985	1.000	41.96	1.000	25.4	103	0.0963	25.4
18	1,2,3,4,6,7,8,9-HxCDF	1.31e4	0.79	NO	1.1560	1.000	26.54	1.025	19.0	89.5	0.0663	
19	1,2,3,6,7,8,9-HxCDF	9.29e4	0.83	NO	0.9420	1.000	31.08	1.216	20.0	96.8	0.1231	
20	1,2,3,4,7,8,9-HpCDD	2.61e4	1.27	NO	0.7798	1.000	34.07	1.034	57.0	97.0	0.1891	
21	1,2,3,4,6,7,8,9-HpCDD	6.20e4	1.26	NO	1.0187	1.000	24.97	1.017	34.7	94.7	0.1451	



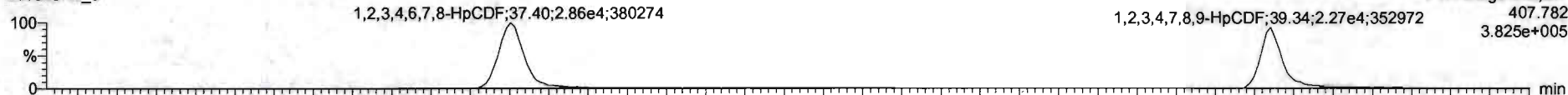
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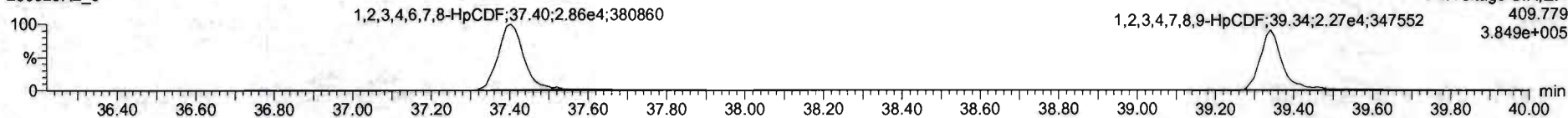
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200528R2_3

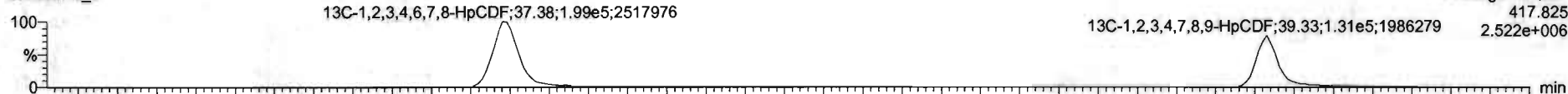


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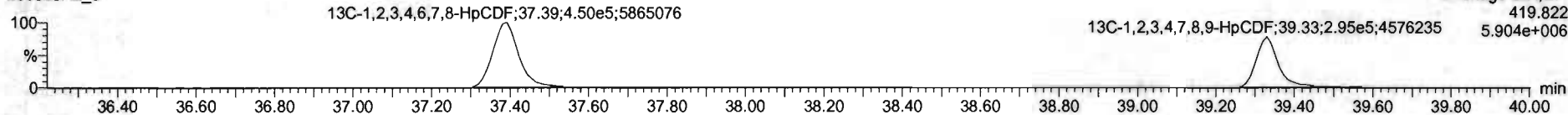


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200528R2_3

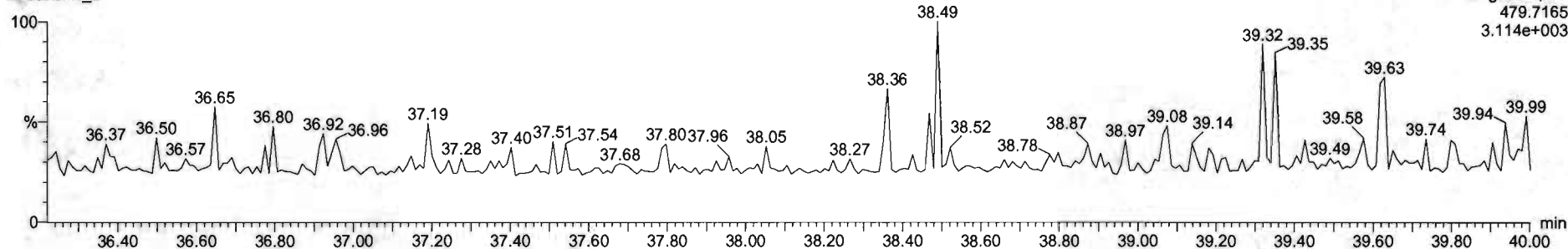


200528R2_3



DPE4

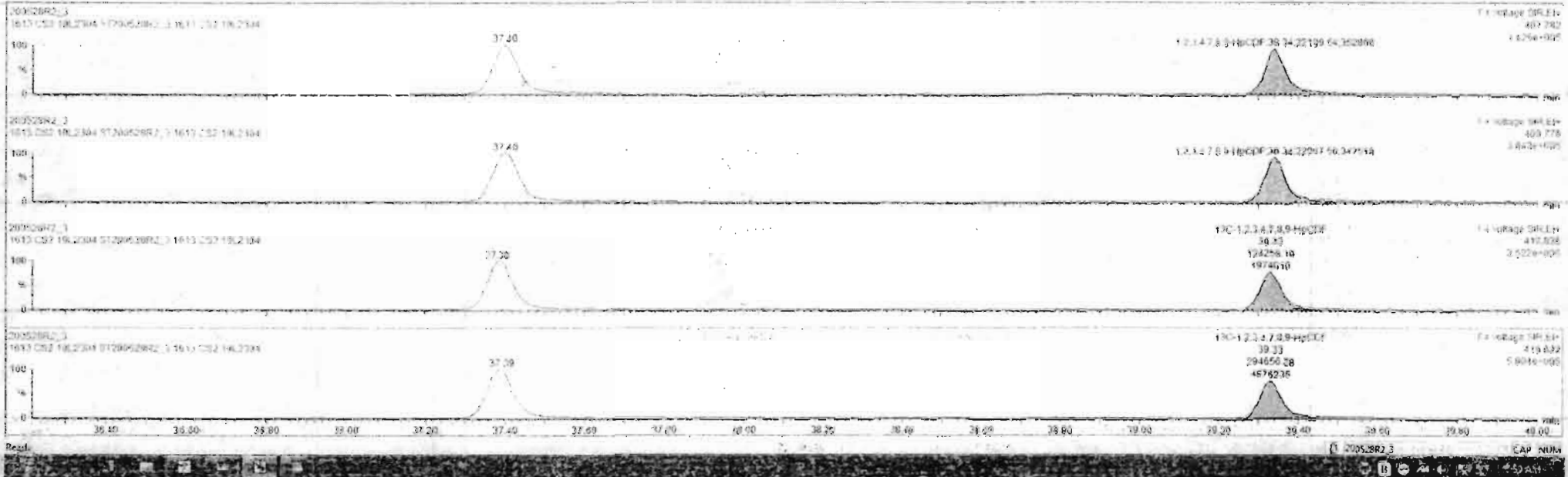
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1613 CS2 19.2304

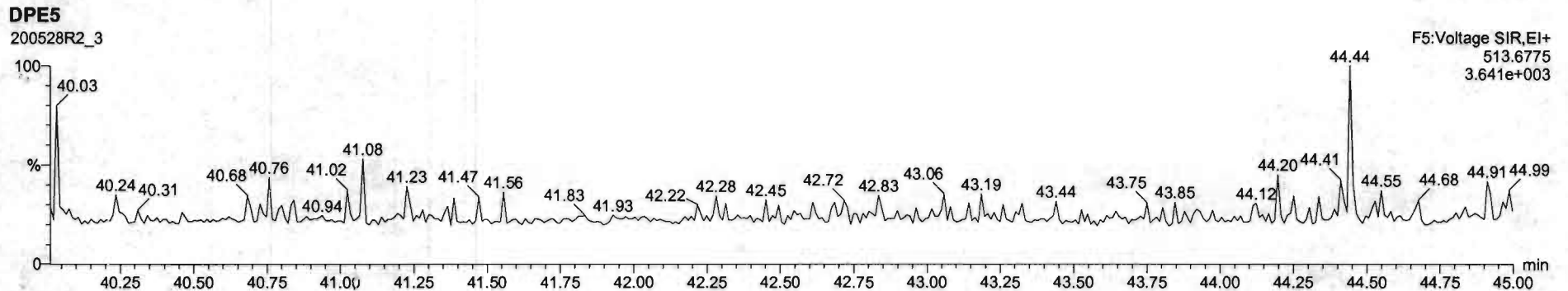
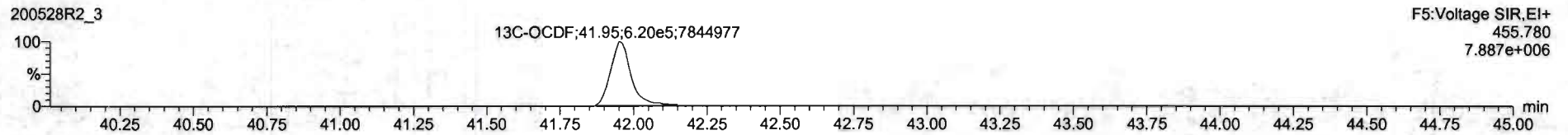
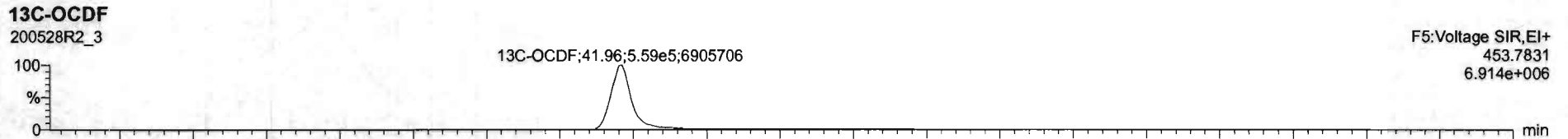
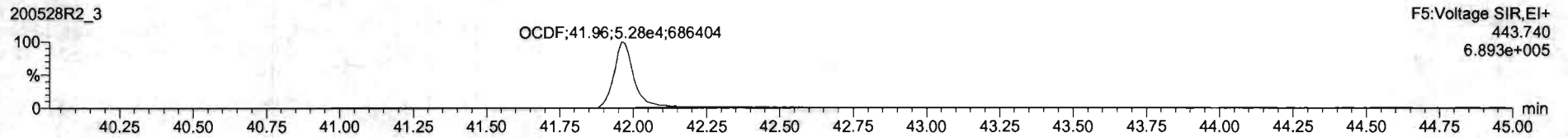
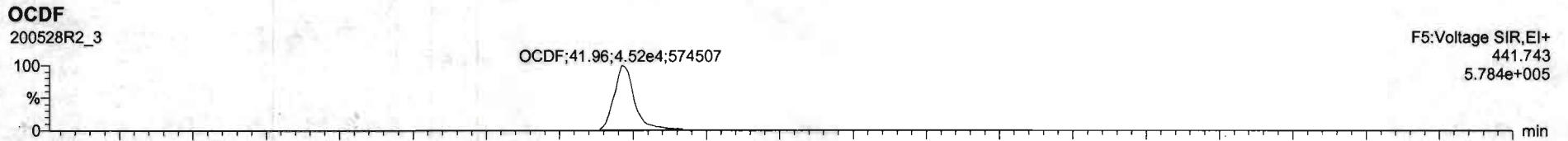
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2	1,2,3,7,8-PeCDF	1.50e4	0.03	NO	0.9091	1.00	31.01	1.00	10.0	107	0.0400	10.0
3	1,2,3,4,7,8-HxCDF	0.90e4	1.24	NO	1.0334	1.00	34.05	1.00	10.0	107	0.0501	10.0
4	1,2,3,6,7,8-HxCDF	0.01e4	1.04	NO	0.9621	1.00	34.36	1.00	10.0	107	0.0559	10.0
5	1,2,3,7,8-HxCDF	2.11e4	1.26	NO	0.8809	1.00	35.26	1.00	10.0	107	0.0579	10.0
6	1,2,3,4,6,7,8-HpCDF	1.90e4	1.02	NO	0.8639	1.00	35.90	1.00	10.0	104	0.0792	10.0
7	OCDF	0.00e4	0.00	NO	0.9106	1.00	31.75	1.00	21.0	105	0.100	21.0
8	2,3,7,8-TCDF	2.07e4	0.24	NO	0.7510	1.00	25.00	1.00	1.00	96.0	0.0101	1.00
9	1,2,3,7,8-HxCDF	1.15e4	1.90	NO	0.6902	1.00	30.23	1.00	10.0	107	0.0517	10.0
10	1,2,3,4,7,8-HxCDF	1.10e4	1.05	NO	0.9140	1.00	31.41	1.00	10.0	104	0.0475	10.0
11	1,2,3,4,7,8-HxCDF	2.91e4	1.02	NO	0.6940	1.00	34.05	1.00	10.0	106	0.0651	10.0
12	1,2,3,6,7,8-HxCDF	1.20e4	1.00	NO	0.9042	1.00	34.12	1.00	10.0	103	0.0595	10.0
13	2,3,4,7,8-HxCDF	0.00e4	1.00	NO	0.9341	1.00	34.71	1.00	10.0	105	0.0690	10.0
14	1,2,3,7,8-HxCDF	0.40e4	1.24	NO	0.6707	1.00	31.92	1.00	10.0	103	0.0601	10.0
15	1,2,3,4,6,7,8-HpCDF	1.70e4	1.00	NO	0.9234	1.00	37.40	1.00	10.0	101	0.0820	10.0
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	1.0120	1.00	39.34	1.00	10.0	104	0.0681	10.0
17	OCDF	0.00e4	0.00	NO	0.9060	1.00	41.30	1.00	26.0	103	0.0807	26.0
18	1,2,3,4,7,8,9-HpCDF	1.31e4	0.76	NO	1.1503	1.00	26.34	1.00	50.0	98.0	0.0800	50.0
19	1,2,3,4,7,8,9-HpCDF	0.10e4	0.01	NO	0.9450	1.00	35.10	1.00	10.0	106	0.123	10.0
20	1,2,3,4,7,8,9-HpCDF	0.61e4	1.27	NO	0.7790	1.00	34.07	1.00	10.0	104	0.100	10.0
21	1,2,3,4,7,8,9-HpCDF	0.30e4	1.20	NO	1.0107	1.00	34.07	1.00	10.0	104	0.140	10.0



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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

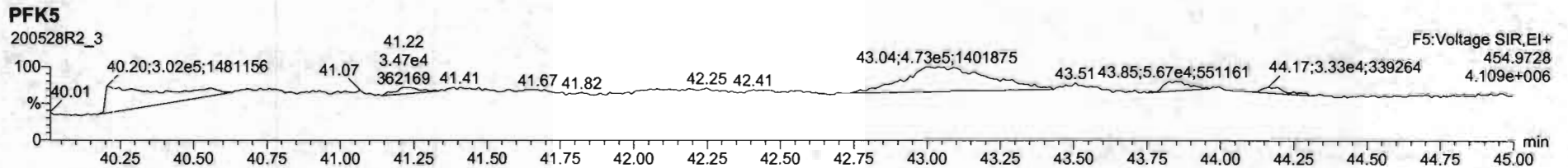
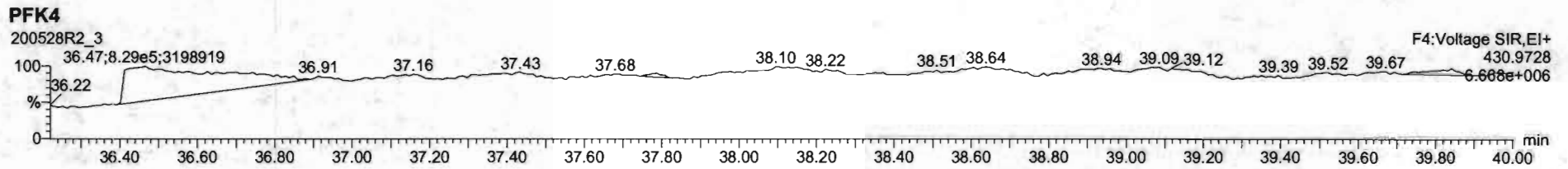
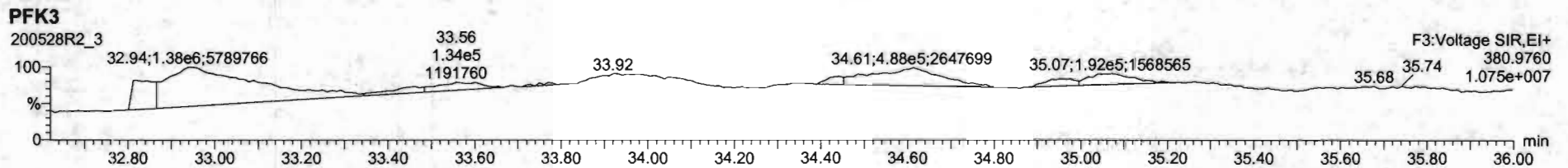
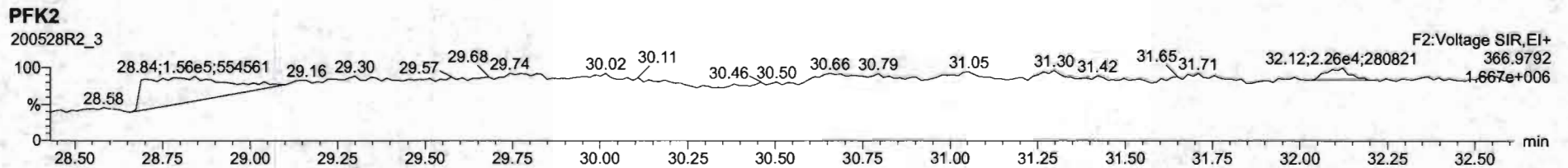
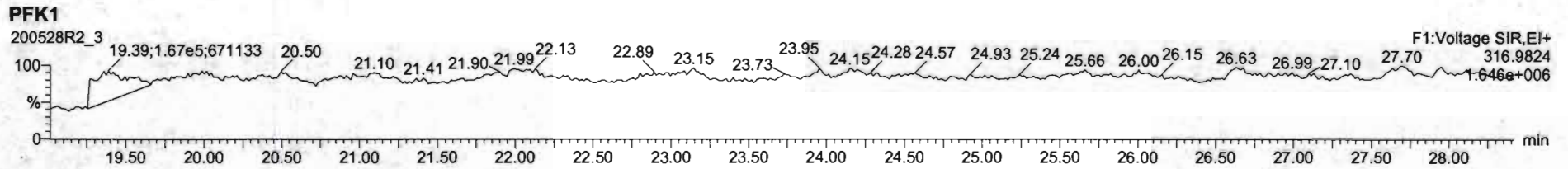


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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



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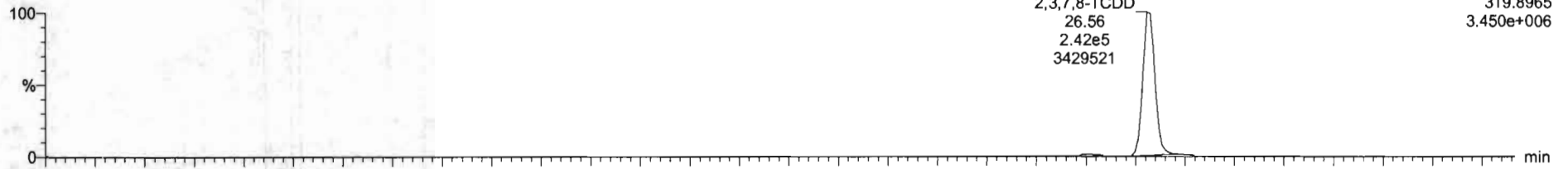
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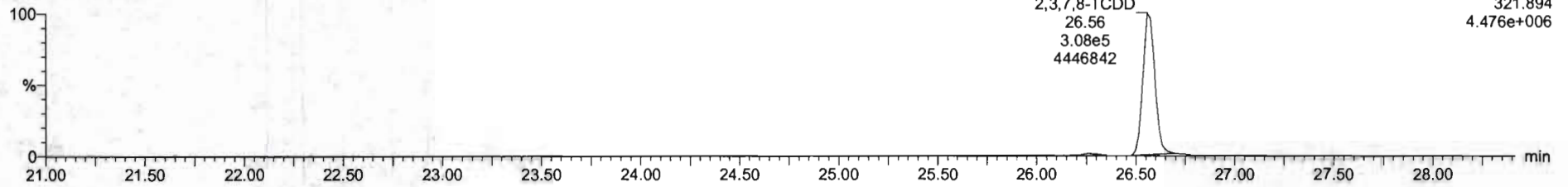
Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

2,3,7,8-TCDD

200528R2_4

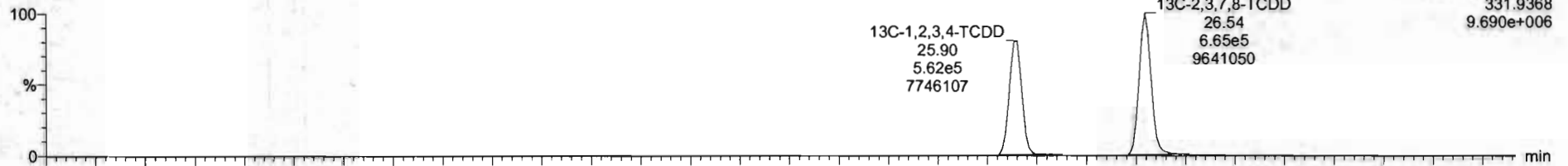


200528R2_4

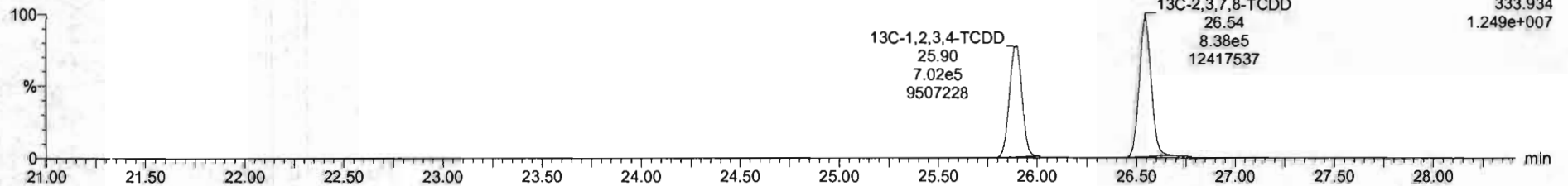


13C-2,3,7,8-TCDD

200528R2_4



200528R2_4



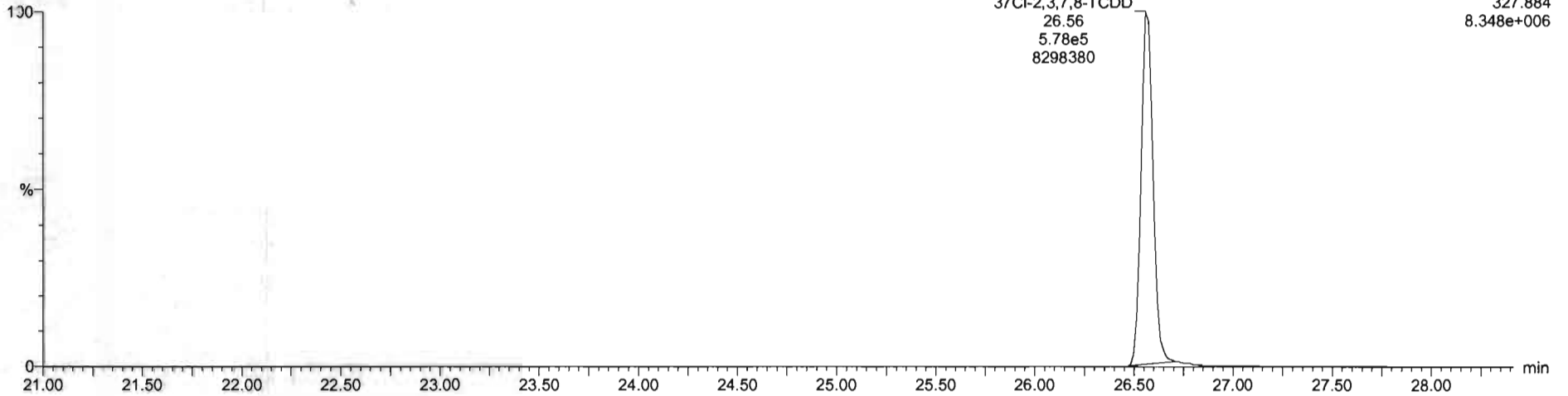
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

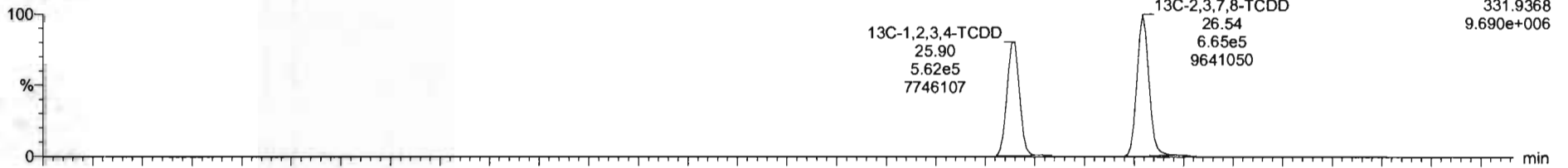
37Cl-2,3,7,8-TCDD

200528R2_4

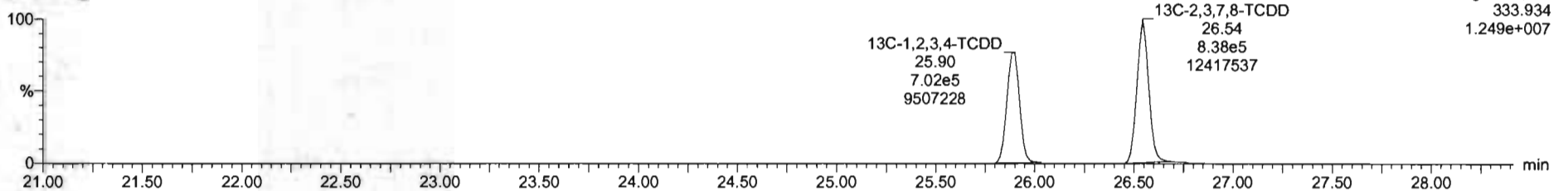


13C-1,2,3,4-TCDD

200528R2_4



200528R2_4



Dataset: Untitled

Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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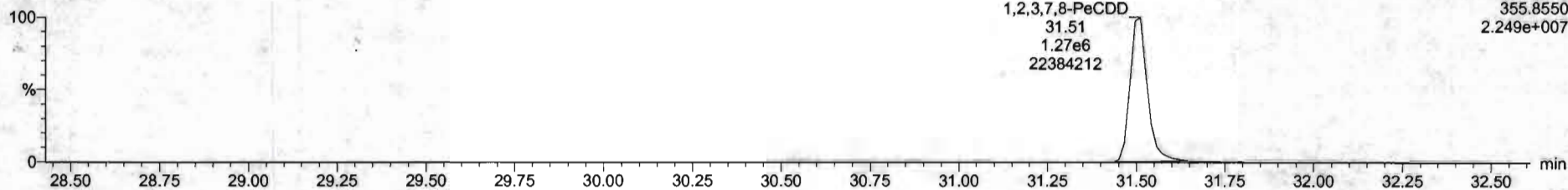
1,2,3,7,8-PeCDD

200528R2_4



F2:Voltage SIR,EI+
353.8576
1.439e+007

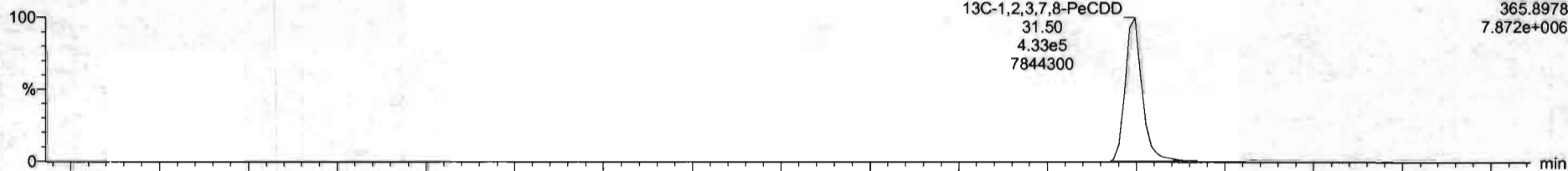
200528R2_4



F2:Voltage SIR,EI+
355.8550
2.249e+007

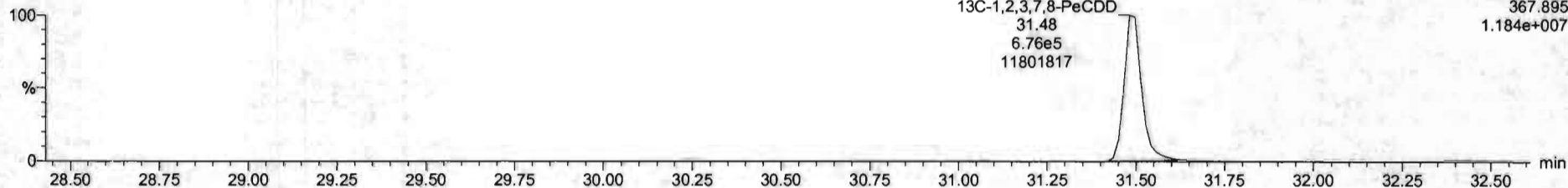
13C-1,2,3,7,8-PeCDD

200528R2_4



F2:Voltage SIR,EI+
365.8978
7.872e+006

200528R2_4



F2:Voltage SIR,EI+
367.895
1.184e+007

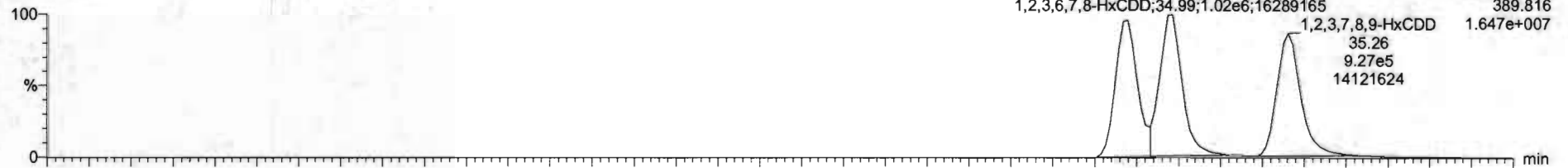
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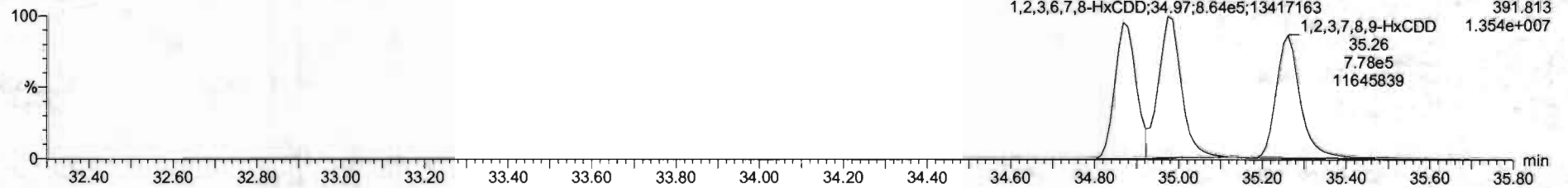
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1,2,3,4,7,8-HxCDD

200528R2_4

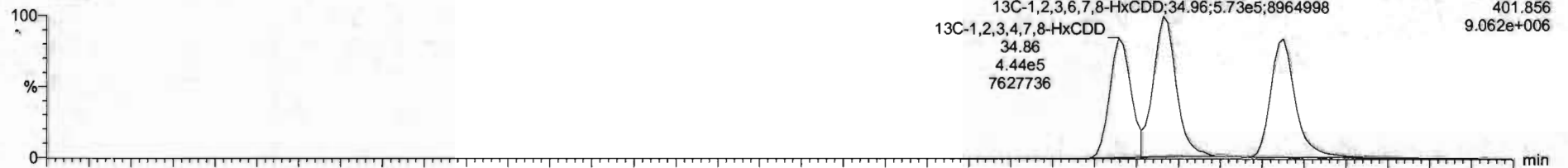


200528R2_4

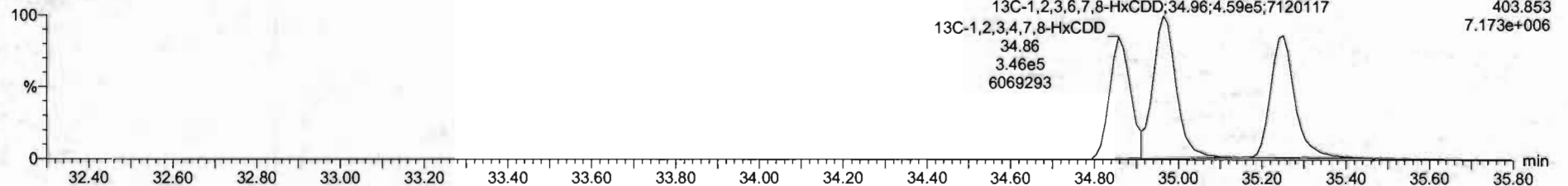


13C-1,2,3,4,7,8-HxCDD

200528R2_4

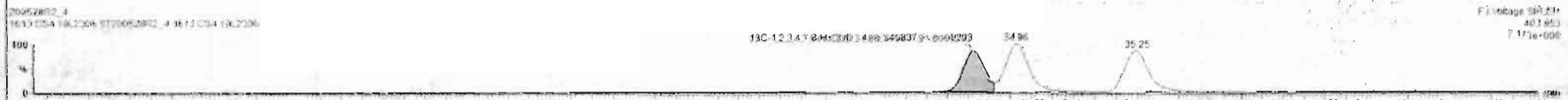
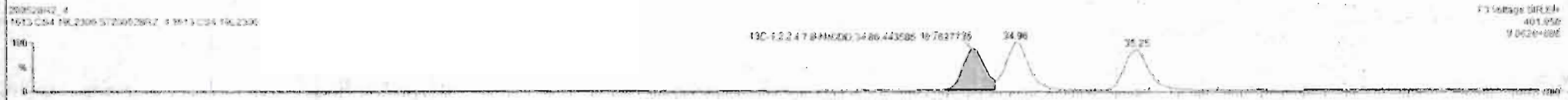
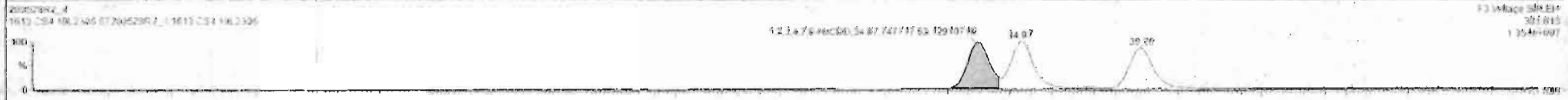


200528R2_4

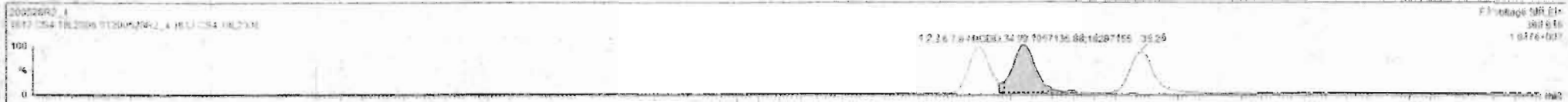




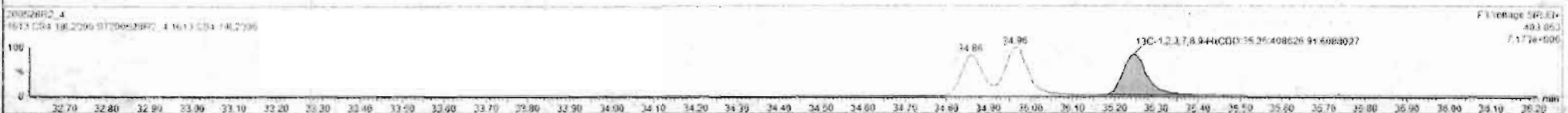
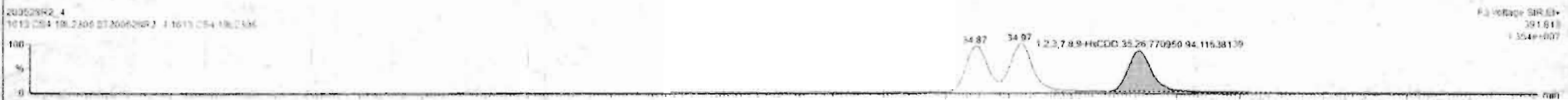
K1	Name	Retp	RA	n/y	RRF	WtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	1.2.3.7.8-TCDD	2.50e6	0.78	NO	0.882	1.000	26.99	1.001	41.2	101	0.129	41.2
2	1.2.3.7.8-HxCDD	2.25e6	0.83	NO	0.6091	1.000	31.51	1.000	205	102	0.0837	205
3	1.2.3.4.7.8-HxCDD	1.67e6	1.23	NO	1.0394	1.000	34.86	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8921	1.000	34.98	1.001	200	104	0.111	200
5	1.2.3.7.8.9-HxCDD	1.70e6	1.26	NO	0.8865	1.000	35.25	1.000	210	105	0.133	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.6839	1.000	36.80	1.000	211	105	0.218	211
7	OCDD	2.45e6	0.27	NO	0.9136	1.000	41.77	1.000	397	99.4	0.192	397
8	1.2.3.6.7.8-TCDF	6.52e6	0.76	NO	0.7019	1.000	25.88	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	28.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	3.50e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.223	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8812	1.000	33.12	1.001	206	103	0.203	206
13	2.3.4.6.7.8-HxCDF	2.96e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.26	NO	0.8701	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8065	1.000	41.96	1.000	402	100	0.171	402
18	13C-1.2.3.7.8-TCDD	1.58e6	0.79	NO	1.1563	1.000	26.64	1.025	103	103	0.164	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.84	NO	0.8489	1.000	31.58	1.216	103	103	0.138	
20	13C-1.2.3.4.7.8-HxCDD	7.89e6	1.28	NO	0.7736	1.000	34.96	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.07e6	1.25	NO	1.0127	1.000	34.96	1.017	104	104	0.121	



#	Name	Keep	RA	RY	RF	WRet	RT	RRT	Conc	Wt%	DL	EMPU
1	1.2.3.7.8-TCDF	1.50e6	0.18	NO	0.0061	1.000	36.96	1.001	41.2	101	0.124	41.1
2	1.2.3.7.8-HxCDD	2.56e6	0.43	NO	0.0041	1.000	31.51	1.000	205	102	0.0017	204
3	1.2.3.7.8-HxCDF	1.87e6	1.23	NO	1.0714	1.000	34.80	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.0020	1.000	34.96	1.001	394	104	0.119	395
5	1.2.3.7.8-HxCDF	1.19e6	1.20	NO	0.0065	1.000	35.26	1.000	210	102	0.133	210
6	1.2.3.4.6.7.8-HxCDD	1.25e6	1.02	NO	0.0033	1.000	36.60	1.000	211	104	0.218	211
7	OCDD	2.45e6	0.97	NO	0.0136	1.000	41.77	1.000	307	09.4	0.192	307
8	1.2.3.7.8-TCDF	4.12e6	0.76	NO	0.0140	1.000	25.88	1.001	42.0	107	0.123	42.0
9	1.2.3.7.8-HxCDF	1.19e6	1.14	NO	0.0025	1.000	30.23	1.000	203	101	0.100	203
10	1.2.3.4.7.8-HxCDF	1.08e6	1.14	NO	0.0346	1.000	31.21	1.000	204	102	0.169	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.0041	1.000	33.99	1.000	200	104	0.221	200
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.0092	1.000	34.12	1.001	206	103	0.203	206
13	1.2.3.4.6.7.8-HxCDF	2.68e6	1.19	NO	0.0041	1.000	34.71	1.001	207	103	0.219	207
14	1.2.3.7.8-HxCDF	1.68e6	1.20	NO	0.0007	1.000	35.62	1.001	208	104	0.215	208
15	1.2.3.4.6.7.8-HxCDF	1.43e6	0.99	NO	0.0034	1.000	37.59	1.000	213	106	0.213	213
16	1.2.3.4.7.8-HxCDF	1.13e6	0.90	NO	1.0120	1.000	30.33	1.000	214	107	0.227	214
17	OCDF	2.34e6	0.97	NO	0.0254	1.000	41.96	1.000	400	100	0.171	400
18	1.2.3.7.8-TCDD	1.19e6	0.79	NO	1.1563	1.000	26.94	1.000	163	103	0.114	163
19	1.2.3.1.2.7.8-HxCDD	1.11e6	0.84	NO	0.0490	1.000	31.00	1.210	103	103	0.176	103
20	1.2.3.1.2.4.7.8-HxCDD	7.39e6	1.25	NO	0.7790	1.000	34.06	1.014	103	103	0.172	103
21	1.2.3.1.2.3.7.8-HxCDD	1.02e6	1.25	NO	1.0107	1.000	34.96	1.017	104	104	0.171	104



#	Name	Resp	RA	ny	RRF	wlvol	RT	RRT	Coef	%Rec	DL	104PC
1	1,2,3,7,8-TCDF	1.56e6	0.76	NO	0.8863	1.000	26.56	1.091	41.7	102	0.124	41.4
2	1,2,3,7,8-PeCDD	2.36e6	0.43	NO	0.8051	1.000	31.51	1.000	205	102	0.0837	205
3	1,2,3,4,7,8-HxCDF	1.67e6	1.22	NO	1.0334	1.000	34.55	1.001	204	102	0.115	204
4	1,2,3,6,7,8-HxCDF	1.92e6	1.22	NO	0.9923	1.000	34.99	1.001	209	104	0.111	209
5	1,2,3,7,8,9-HxCDD	1.70e6	1.20	NO	0.6868	1.000	35.26	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HpCDE	1.25e6	1.62	NO	0.8830	1.000	38.50	1.000	211	105	0.133	211
7	COCDF	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.100	397
8	1,2,3,6-TCDF	6.53e6	0.76	NO	0.7510	1.000	25.68	1.001	42.0	101	0.123	42.0
9	1,2,3,7-HxCDF	2.84e6	1.54	NO	0.8920	1.000	30.21	1.000	207	101	0.119	207
10	1,2,3,7,8-HpCDF	2.06e6	1.54	NO	0.9345	1.000	31.21	1.000	204	102	0.109	204
11	1,2,3,4,7,8-HxCDF	1.67e6	1.16	NO	0.8845	1.000	33.95	1.000	202	104	0.221	202
12	1,2,3,6,7,8-HxCDF	2.16e6	1.10	NO	0.8292	1.000	34.12	1.001	206	103	0.203	206
13	1,2,3,6,7,8-HpCDF	2.00e6	1.19	NO	0.9241	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e6	1.20	NO	0.8757	1.000	35.42	1.001	203	104	0.313	203
15	1,2,3,4,6,7,8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.39	1.000	213	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	3.54e6	0.57	NO	0.8095	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8-TCDF	1.56e6	0.75	NO	1.1587	1.000	28.54	1.025	103	103	0.164	
19	1,2,3,7,8-PeCDD	1.11e6	0.64	NO	0.8469	1.000	31.50	1.216	103	103	0.139	
20	1,2,3,4,7,8-HxCDE	7.89e6	1.28	NO	0.7798	1.000	34.96	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDD	1.03e6	1.35	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



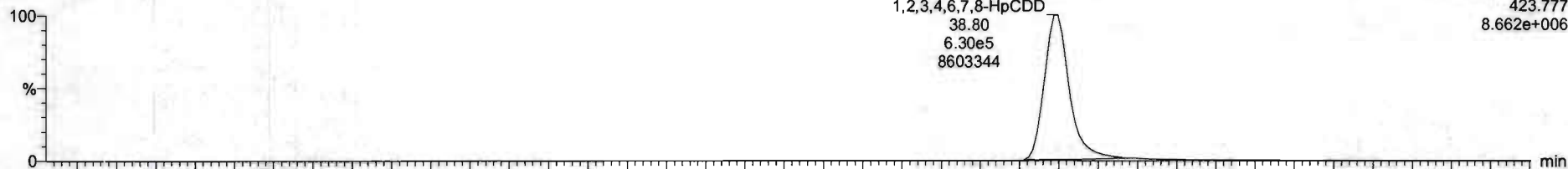
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

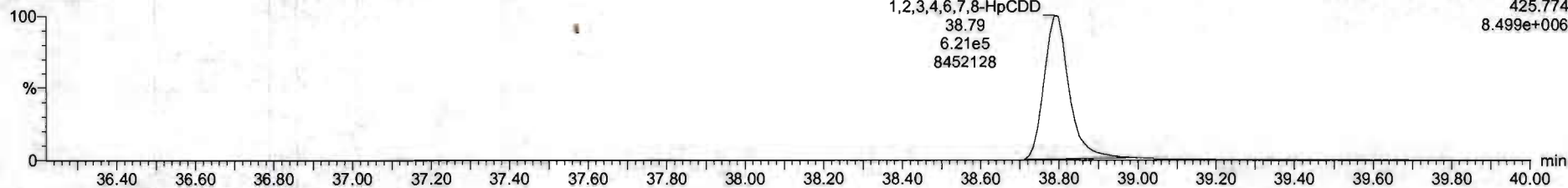
1,2,3,4,6,7,8-HpCDD

200528R2_4



F4: Voltage SIR, EI+
423.777
8.662e+006

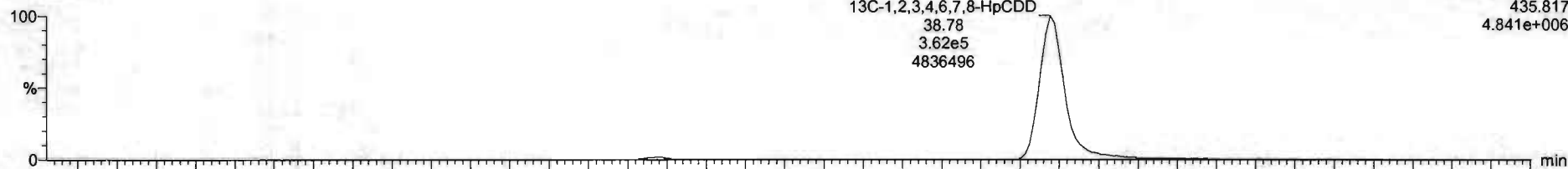
200528R2_4



F4: Voltage SIR, EI+
425.774
8.499e+006

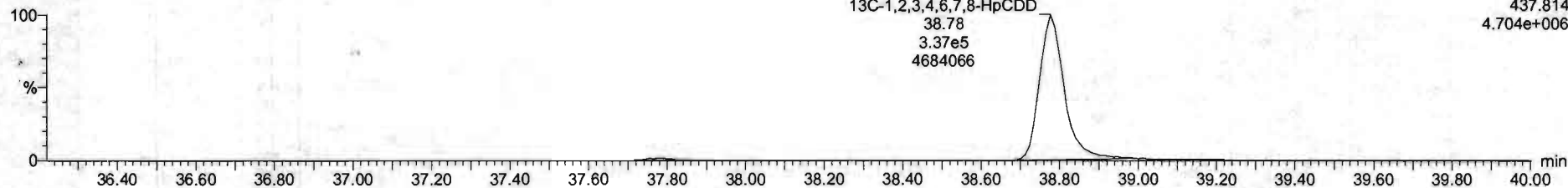
13C-1,2,3,4,6,7,8-HpCDD

200528R2_4



F4: Voltage SIR, EI+
435.817
4.841e+006

200528R2_4



F4: Voltage SIR, EI+
437.814
4.704e+006

ID	Name	Resp	RA	n/y	RRF	Intval	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.50e6	0.76	NO	0.8983	1.000	26.96	1.001	41.2	103	0.124	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.83	NO	0.8081	1.000	31.51	1.000	205	102	0.5837	205
3	1,2,3,4,7,8-HxCDD	1.67e6	1.23	NO	1.0334	1.000	34.80	1.001	204	102	0.115	204
4	1,2,3,6,7,8-HxCDD	1.92e6	1.22	NO	0.8927	1.000	34.99	1.001	209	104	0.111	209
5	1,2,3,7,8,9-HxCDD	1.76e6	1.26	NO	0.8665	1.000	35.25	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HpCDD	1.25e6	1.02	NO	0.8839	1.000	36.80	1.000	211	105	0.210	211
7	CDDX	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.192	397
8	2,3,7,8-TCDF	6.52e6	0.76	NO	0.7510	1.000	26.68	1.001	42.0	107	0.123	42.0
9	1,2,3,7,8-HxCDF	3.94e6	1.54	NO	0.8926	1.000	36.21	1.000	203	101	0.118	203
10	1,2,3,4,7,8-PeCDF	3.06e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e6	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.221	208
12	1,2,3,6,7,8-HxCDF	2.16e6	1.10	NO	0.8062	1.000	34.12	1.001	208	103	0.203	208
13	1,2,3,4,7,8,9-HxCDF	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e6	1.20	NO	0.8787	1.000	35.62	1.001	208	104	0.313	208
15	1,2,3,4,6,7,8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.39	1.000	213	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	38.32	1.000	214	107	0.227	214
17	CDFX	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8-TCDF	1.56e6	0.79	NO	1.1563	1.000	26.54	1.025	103	103	0.164	
19	1,2,3,4,6,7,8-HpCDF	1.11e6	0.84	NO	0.8490	1.000	31.30	1.216	103	103	0.139	
20	1,2,3,4,7,8,9-HpCDF	7.98e6	1.28	NO	0.7790	1.000	34.90	1.014	103	103	0.172	
21	1,2,3,4,6,7,8,9-HpCDF	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.131	



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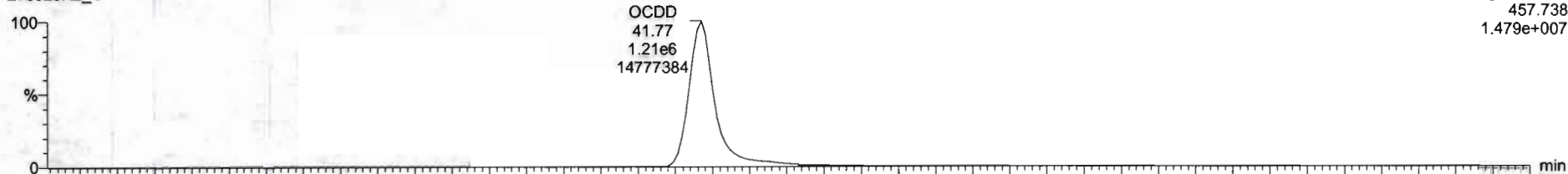
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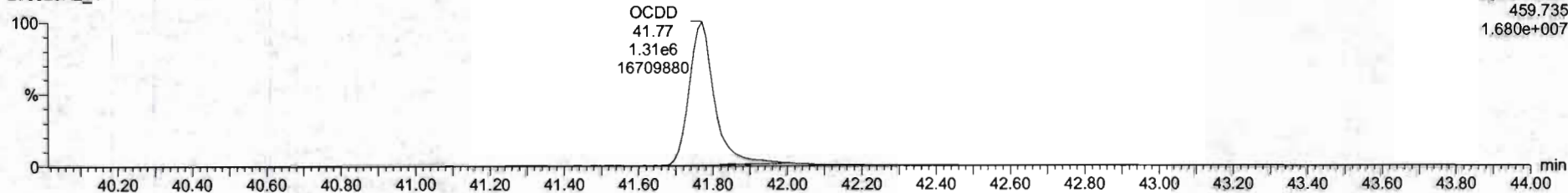
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200528R2_4



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1.479e+007

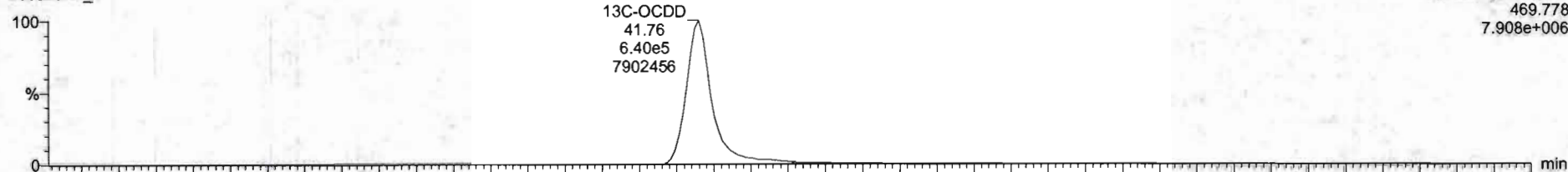
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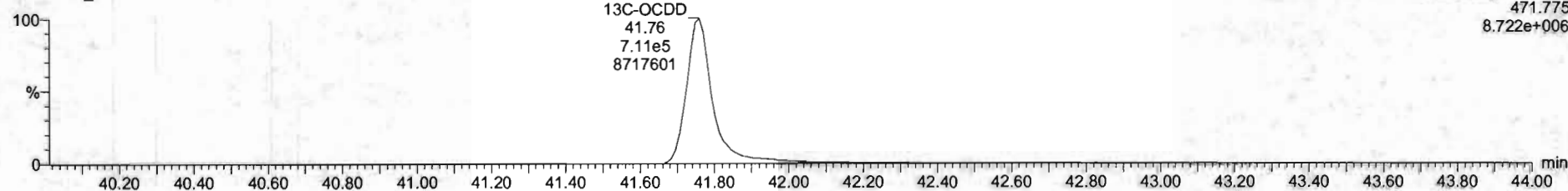
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200528R2_4



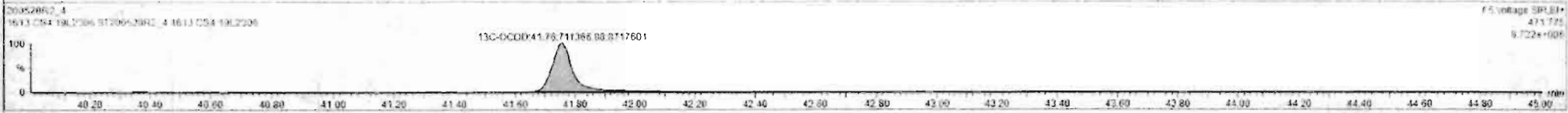
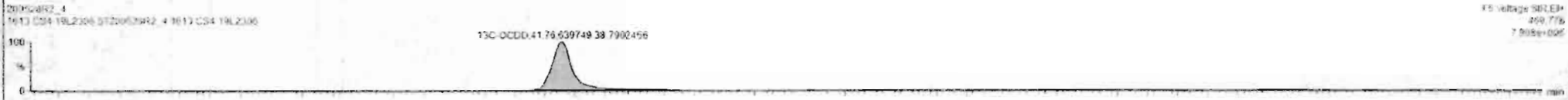
F5: Voltage SIR, EI+
469.778
7.908e+006

200528R2_4



F5: Voltage SIR, EI+
471.775
8.722e+006

#	Name	Resp	RA	inj	RRF	wt/vol	RT	NRT	Conc	%Rec	DL	SIIPC
1	2.3.7.8-TCDD	3.56e5	0.76	NO	0.8883	1.000	28.56	1.001	41.2	101	0.134	41.2
2	1.2.3.7.8-PeCDD	2.06e6	0.63	NO	0.9051	1.000	31.01	1.000	205	102	0.6837	205
3	1.2.3.4.7.8-HxCD	1.07e6	1.23	NO	1.0334	1.000	34.80	1.001	284	102	0.115	284
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8923	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.70e6	1.20	NO	0.8669	1.000	35.26	1.000	210	105	0.133	210
6	1.2.3.4.7.8.9-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.80	1.000	211	105	0.115	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	307	99.4	0.192	307
8	2.3.7.8-TCDF	6.52e5	0.76	NO	0.7510	1.000	28.56	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-PeCDF	2.94e6	1.54	NO	0.9905	1.000	30.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	1.00e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.100	204
11	1.2.3.4.7.8.9-HpCDF	1.87e6	1.18	NO	0.8545	1.000	33.99	1.000	205	104	0.221	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.8062	1.000	34.12	1.001	206	103	0.205	206
13	1.2.3.4.7.8.9-HpCDF	2.00e6	1.19	NO	0.9383	1.000	34.71	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.55	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.90	NO	1.0126	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	13C-2.3.7.8-TCDD	1.58e6	0.79	NO	1.1583	1.000	28.54	1.025	103	103	0.184	
19	13C-1.2.3.7.8-PeCDD	1.11e6	0.64	NO	0.8490	1.000	31.50	1.216	103	103	0.136	
20	13C-1.2.3.4.7.8-HxCDD	7.88e5	1.28	NO	0.7790	1.000	34.86	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.131	



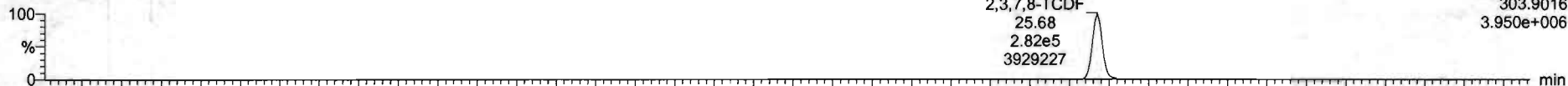
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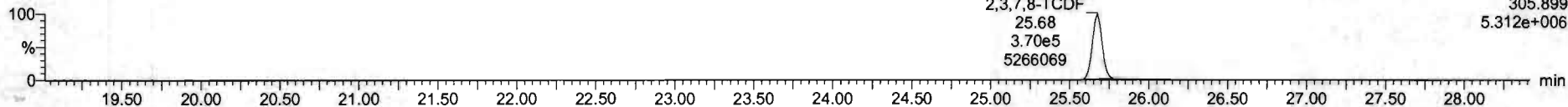
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2,3,7,8-TCDF

200528R2_4

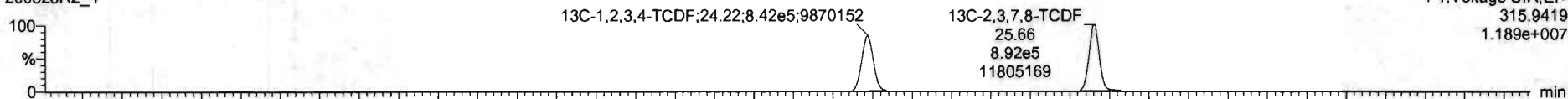


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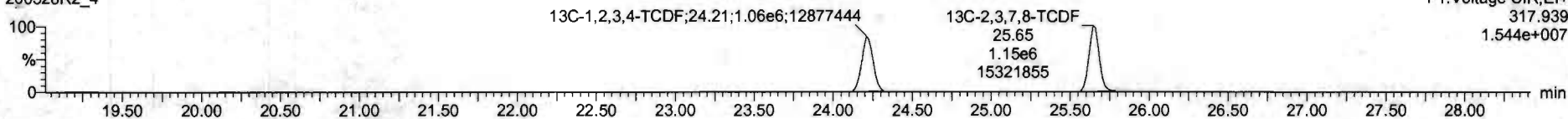


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200528R2_4

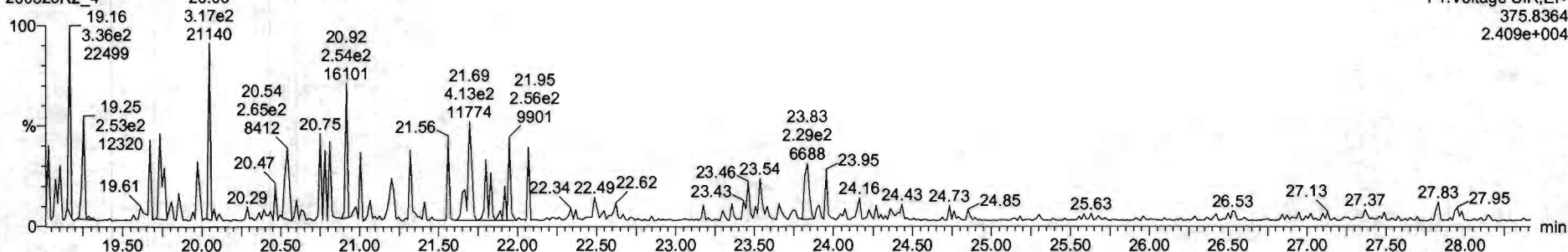


200528R2_4



DPE1

200528R2_4

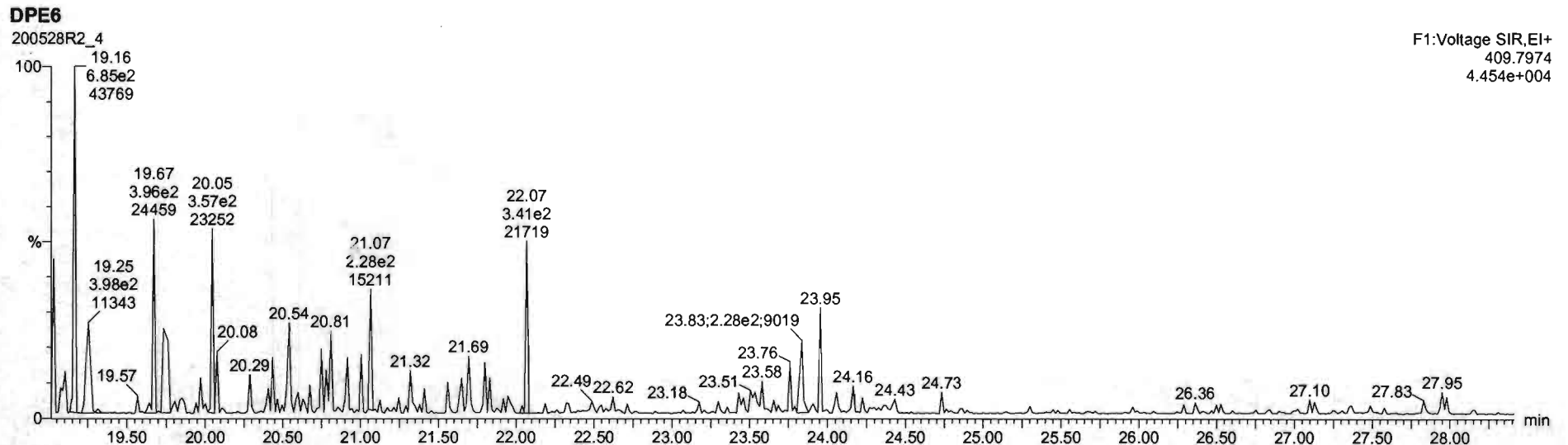
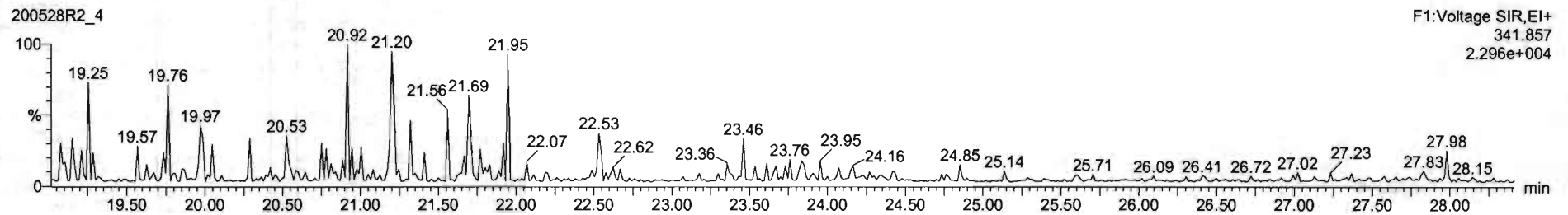
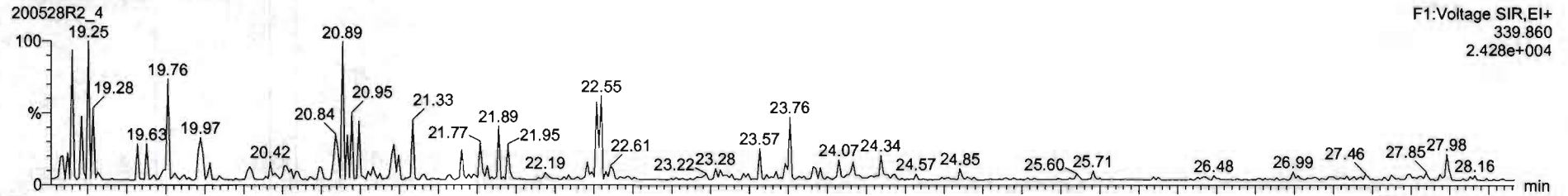


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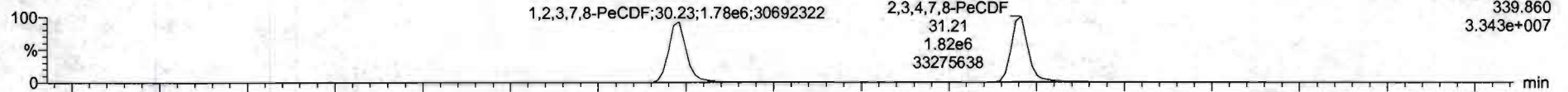
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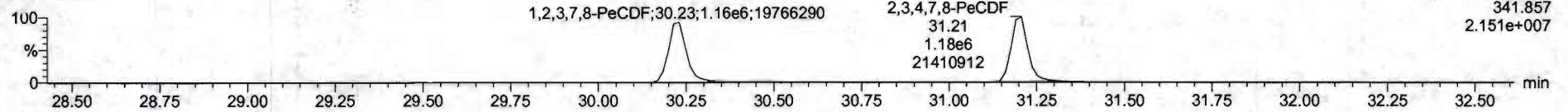
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1,2,3,7,8-PeCDF

200528R2_4

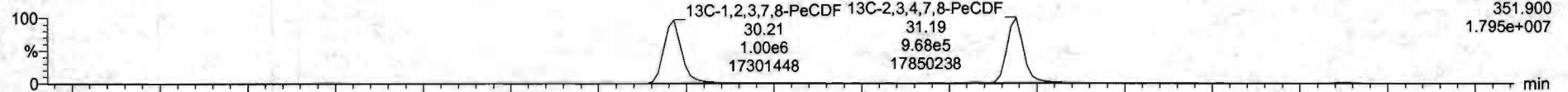


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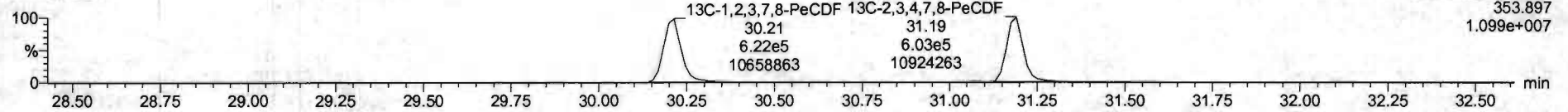


13C-1,2,3,7,8-PeCDF

200528R2_4

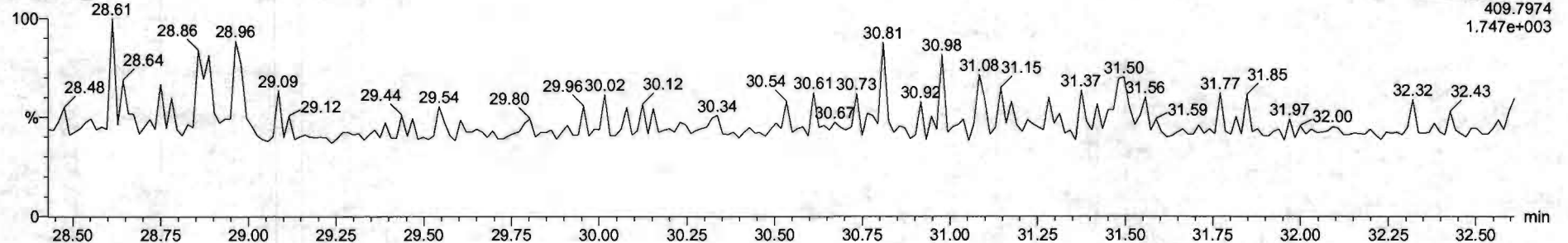


200528R2_4



DPE2

200528R2_4



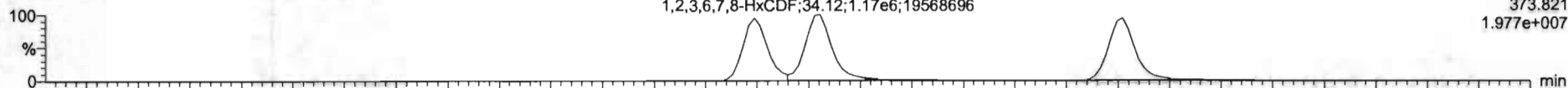
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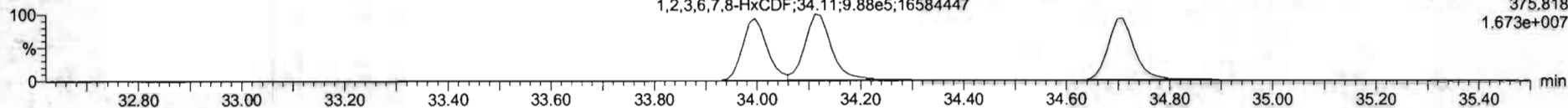
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1,2,3,4,7,8-HxCDF

200528R2_4

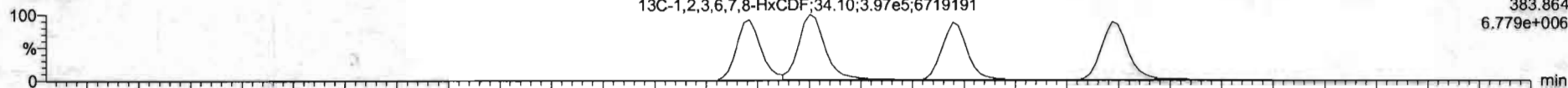


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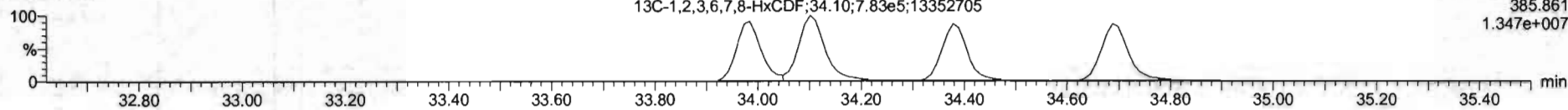


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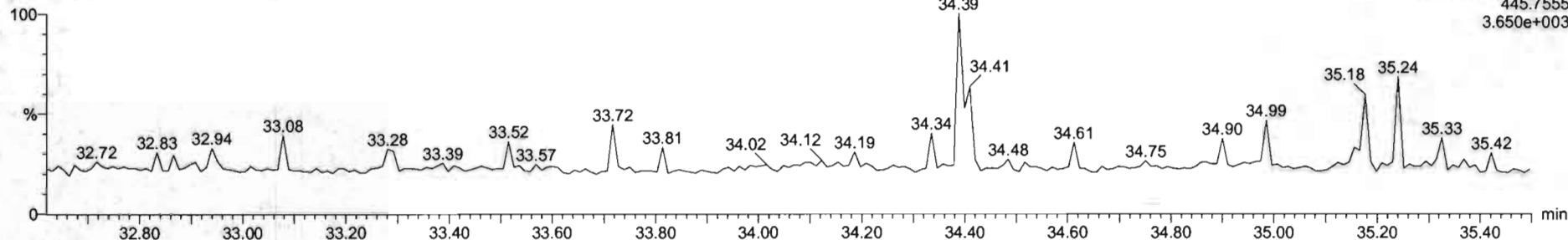


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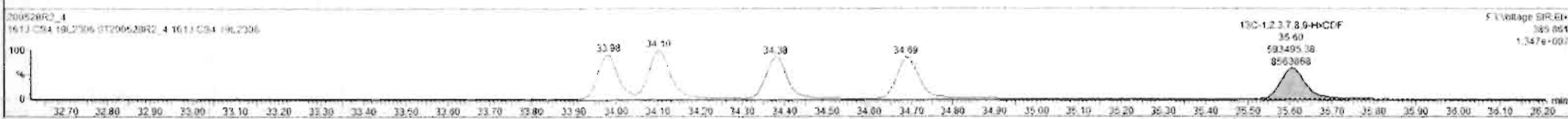
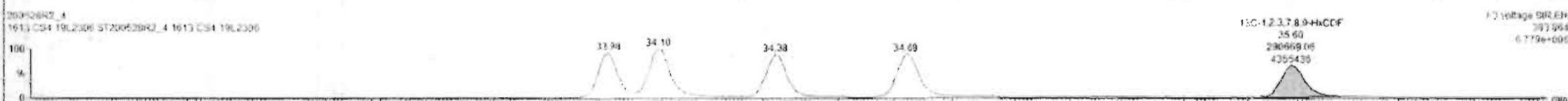


DPE3

200528R2_4



#	Name	Resp	RA	ntf	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	IRFC
1	1.2.3.7.8-TCDD	3.56e5	0.78	NO	0.2882	1.000	26.96	1.001	41.2	103	0.124	11.2
2	1.2.3.7.8-HxCDD	2.06e6	0.83	NO	0.9081	1.000	31.91	1.000	285	100	0.0837	209
3	1.2.3.4.7.8-HxCDD	1.67e6	1.23	NO	1.0324	1.000	34.88	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8523	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.78e6	1.20	NO	0.8865	1.000	35.26	1.000	210	105	0.133	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.86	1.000	211	106	0.128	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.27	1.000	397	99.4	0.182	397
8	1.2.3.7.8-TCDF	6.52e5	0.76	NO	0.7510	1.000	25.68	1.001	42.6	107	0.123	42.6
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	30.23	1.000	283	101	0.118	283
10	1.2.3.4.7.8-HxCDF	3.06e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.199	204
11	1.2.3.4.7.8.9-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.95	1.000	268	104	0.221	268
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.8892	1.000	34.12	1.001	200	103	0.200	200
13	1.2.3.4.6.7.8-HpCDF	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	102	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.28	NO	0.8787	1.000	35.62	1.001	200	104	0.313	200
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	1.000	37.39	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.32	1.000	214	107	0.221	214
17	OCDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	403	100	0.178	402
18	13C-1.2.3.7.8-TCDD	1.50e6	0.75	NO	1.1563	1.000	26.54	1.026	103	101	0.194	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.64	NO	0.8468	1.000	31.90	1.216	193	103	0.130	
20	13C-1.2.3.4.7.8-HxCDD	7.09e5	1.28	NO	0.7790	1.000	34.96	1.014	103	102	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.98	1.013	104	104	0.121	



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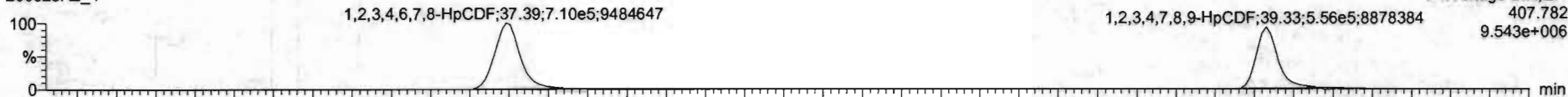
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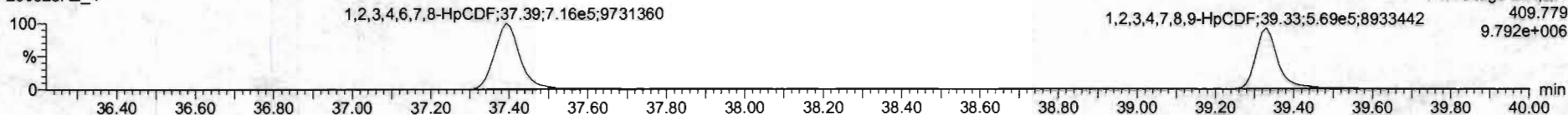
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1,2,3,4,6,7,8-HpCDF

200528R2_4

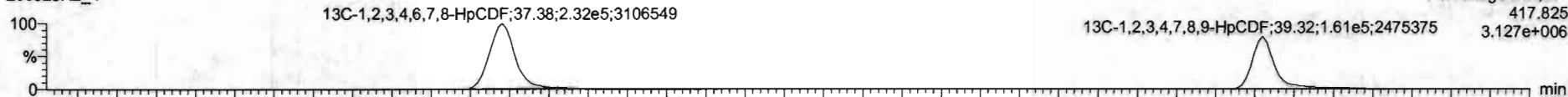


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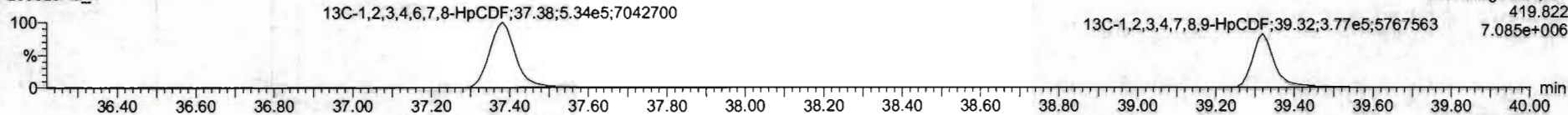


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200528R2_4

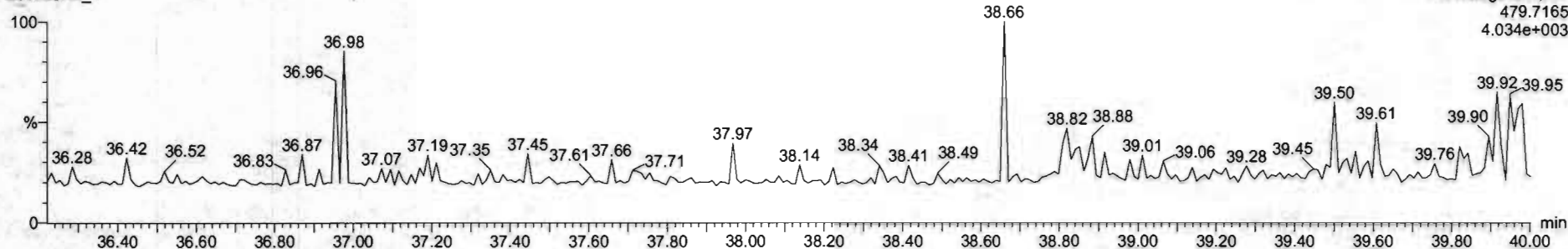


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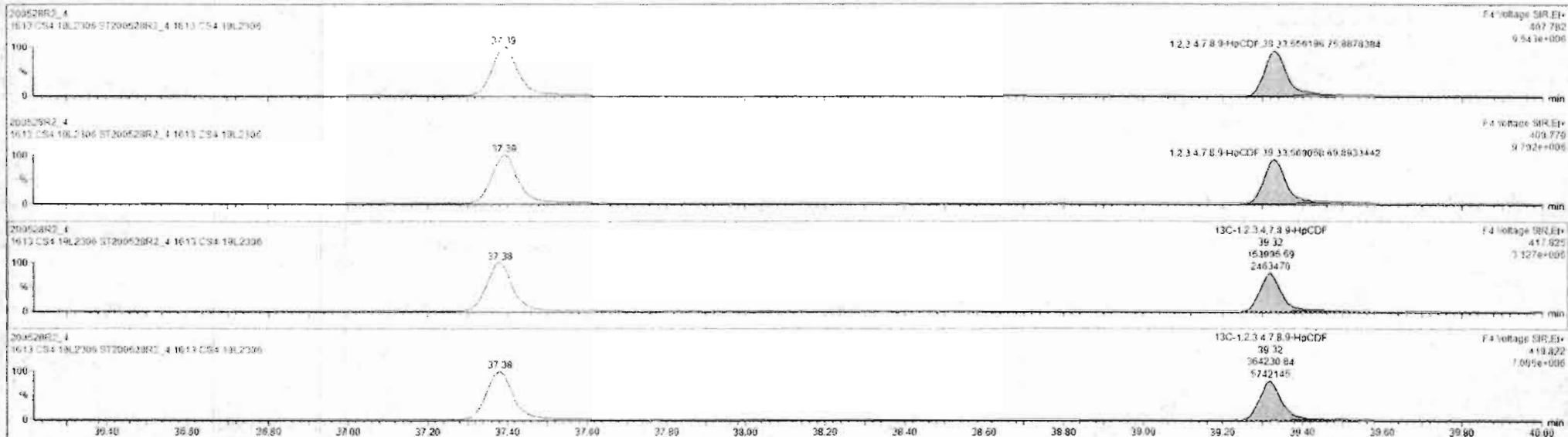


DPE4

200528R2_4



#	Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.56e5	0.78	NO	0.8583	1.000	26.56	1.001	41.3	103	0.134	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.63	NO	0.9081	1.000	31.51	1.000	205	102	0.6837	205
3	1,2,3,4,7,8-HxCDD	1.87e6	1.23	NO	1.0334	1.000	34.86	1.001	204	102	0.115	204
4	1,2,3,8,7,8-HxCDD	1.89e6	1.22	NO	0.8521	1.000	34.90	1.001	200	104	0.111	200
5	1,2,3,7,9,8-HxCDD	1.70e6	1.20	NO	0.8969	1.000	35.26	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HxCDD	1.25e6	1.02	NO	0.8633	1.000	36.90	1.000	211	105	0.219	211
7	OCDD	2.45e8	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.190	397
8	2,3,7,8-TCDF	6.52e5	0.76	NO	0.7510	1.000	25.66	1.001	42.6	107	0.123	42.2
9	1,2,3,7,9-PeCDF	2.54e6	1.54	NO	0.8925	1.000	30.23	1.000	203	101	0.110	203
10	1,2,3,4,7,8-HxCDF	3.00e6	1.54	NO	0.9346	1.000	31.21	1.000	204	107	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.99	1.000	203	104	0.221	206
12	1,2,3,6,7,8-HxCDF	2.16e6	1.18	NO	0.8867	1.000	34.12	1.001	206	103	0.203	206
13	2,3,4,6,7,8-HxCDF	2.06e6	1.19	NO	0.9341	1.000	34.71	1.001	207	107	0.219	207
14	1,2,3,7,9,8-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.62	1.001	208	104	0.213	208
15	1,2,3,4,6,7,9-HxCDF	1.43e6	0.95	NO	0.8734	1.000	37.35	1.000	215	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.15e6	0.60	NO	1.0128	1.000	39.33	1.000	214	107	5.327	214
17	OCDF	2.54e8	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	13C-2,3,7,8-TCDD	1.54e6	0.75	NO	1.1563	1.000	26.54	1.025	107	103	0.164	
19	13C-1,2,3,7,8-PeCDD	1.11e6	0.64	NO	0.8469	1.000	31.50	1.216	103	103	0.138	
20	13C-1,2,3,4,7,8-HxCDD	7.89e5	1.26	NO	0.7790	1.000	34.96	1.014	103	103	0.132	
21	13C-1,2,3,6,7,8-HxCDD	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.121	



Custom Reporting: Select reports to generate

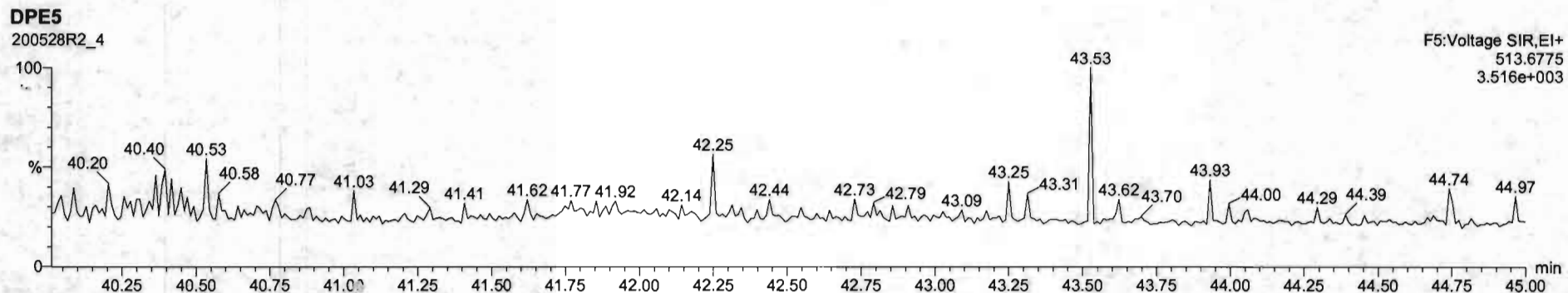
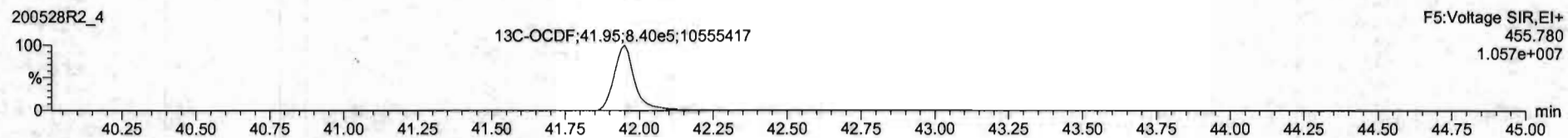
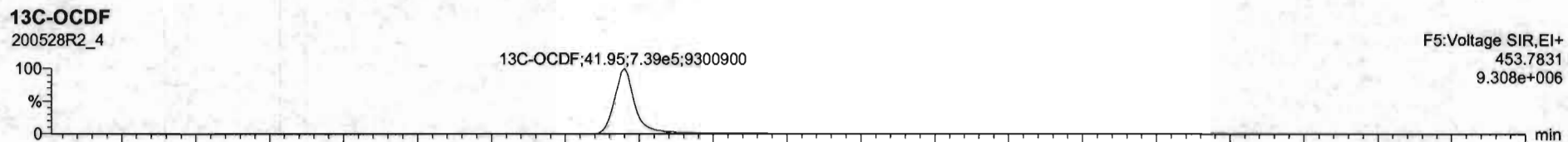
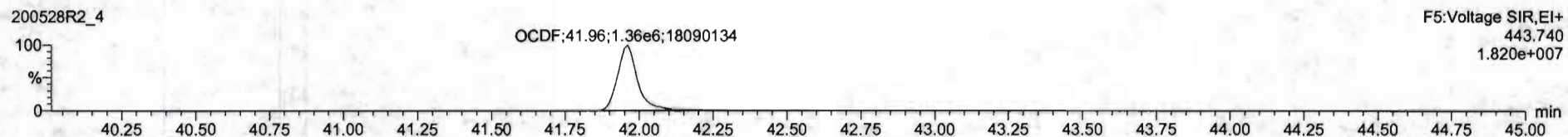
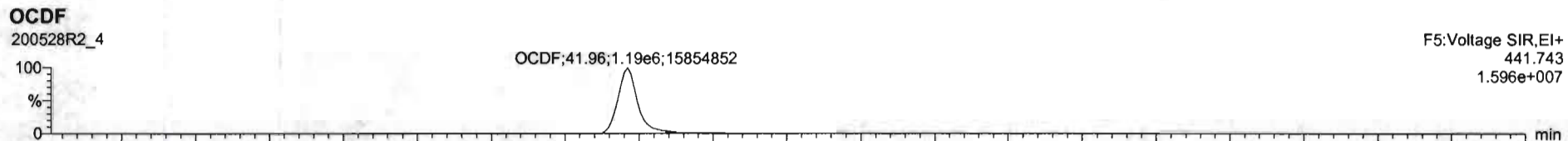
200528R2_4 CAP NUM

8:00 AM

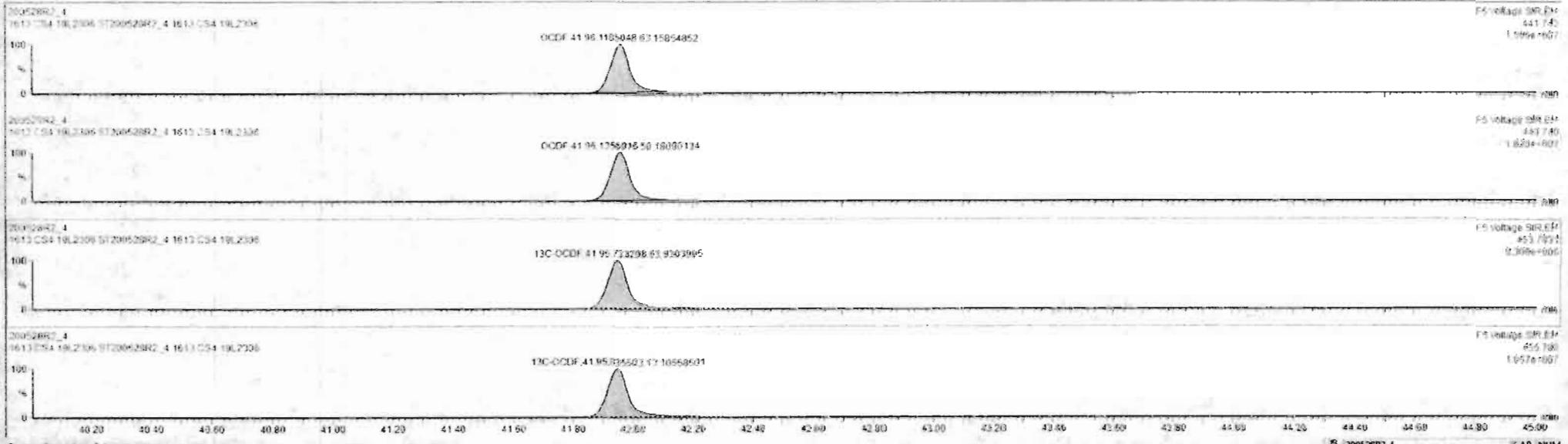
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



#	Name	Resp	RA	ntf	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2.3.1.6.7.CDD	1.50e5	0.78	NO	0.8863	1.000	26.56	1.001	41.2	101	0.124	41.2
2	1.2.3.7.8.PvCDD	2.06e6	0.83	NO	0.6081	1.000	31.51	1.000	205	102	0.0827	205
3	1.2.3.4.7.8.HxCDD	1.07e6	1.23	NO	1.0334	1.000	34.85	1.001	204	102	0.115	204
4	1.2.3.6.7.8.HxCDF	1.92e6	1.22	NO	0.8929	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.9.HxCDD	1.78e6	1.20	NO	0.8265	1.000	35.26	1.000	210	105	0.123	210
6	1.2.3.4.8.7.8.HxCDD	1.25e6	1.02	NO	0.8633	1.000	36.40	1.000	211	105	0.218	211
7	OCCD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.102	397
8	2.3.7.6.7.CDF	0.52e5	0.76	NO	0.7510	1.000	25.05	1.001	42.0	107	0.127	42.0
9	1.2.3.7.8.HxCDF	2.94e6	1.54	NO	0.8925	1.000	36.23	1.000	203	101	0.118	203
10	1.2.4.7.8.HxCDF	3.00e6	1.54	NO	0.9349	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8.HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.99	1.000	208	104	0.221	208
12	1.2.3.6.7.8.HxCDF	2.16e6	1.18	NO	0.8852	1.000	34.12	1.001	206	103	0.203	206
13	2.3.4.6.7.8.HxCDF	2.08e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.9.HxCDF	1.60e6	1.20	NO	0.8757	1.000	35.42	1.001	205	104	0.213	205
15	1.2.3.4.6.7.8.HxCDF	1.43e6	0.96	NO	0.8734	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9.HxCDF	1.13e6	0.93	NO	1.0120	1.000	39.33	1.000	214	107	0.227	214
17	OCCF	2.54e6	0.87	NO	0.8055	1.000	41.96	1.000	402	100	0.171	402
18	13C-2.3.7.8-TCDF	1.56e6	0.79	NO	1.1563	1.000	26.54	1.025	102	101	0.164	
19	13C-1.2.3.7.8-PvCDD	0.11e6	0.84	NO	0.6496	1.000	31.00	1.210	103	103	0.130	
20	13C-1.2.3.4.7.8.HxCDD	7.89e6	1.20	NO	0.7750	1.000	34.96	1.214	103	103	0.172	
21	13C-1.2.3.6.7.8.HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.121	

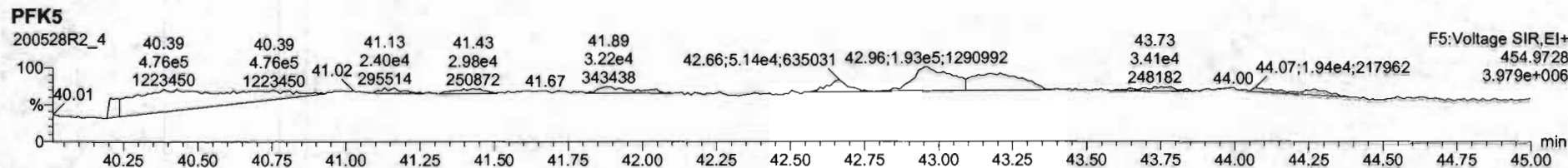
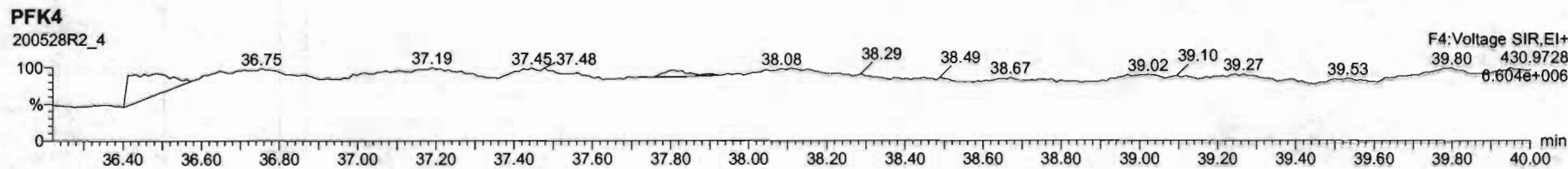
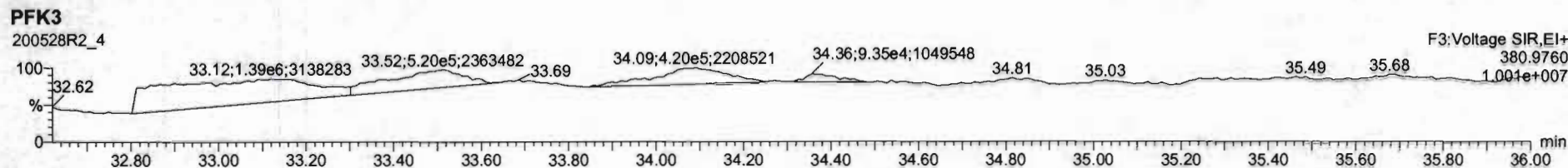
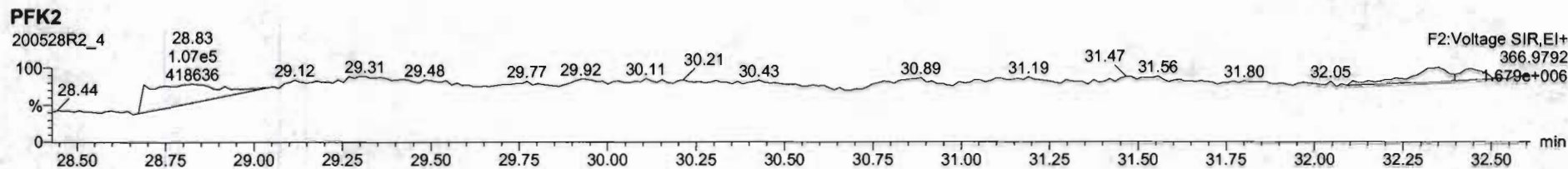
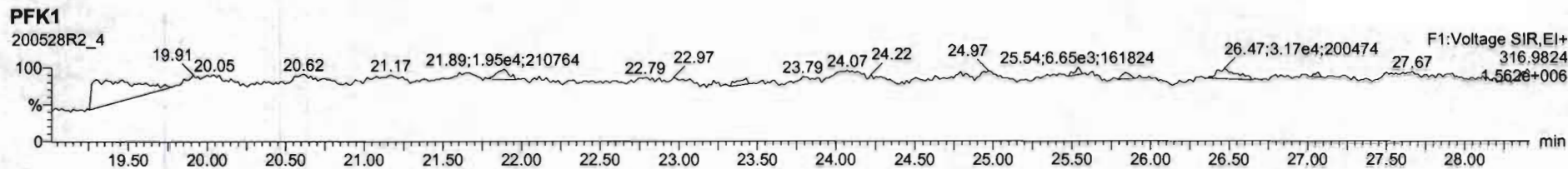


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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



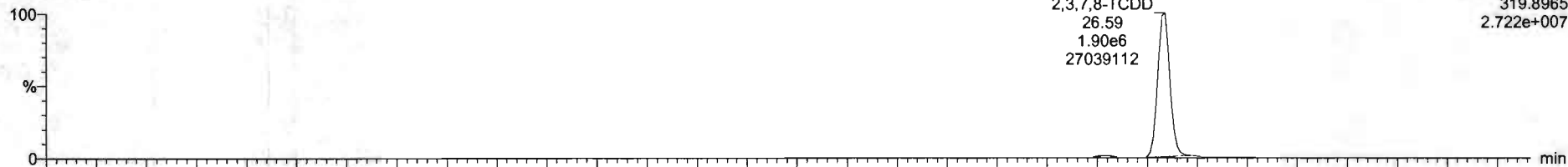
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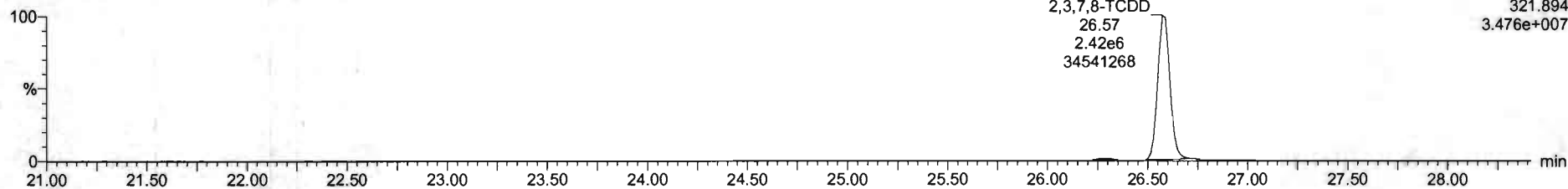
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2,3,7,8-TCDD

200528R2_5

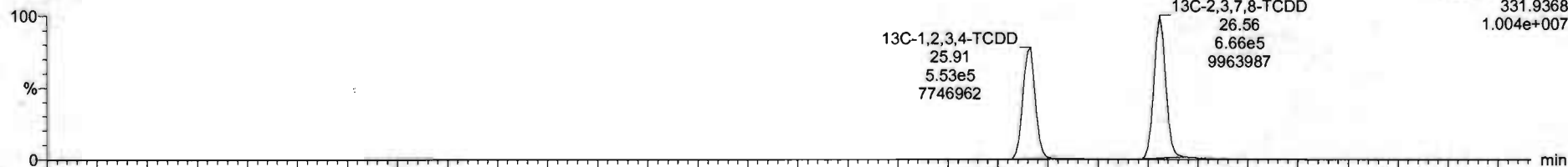


200528R2_5

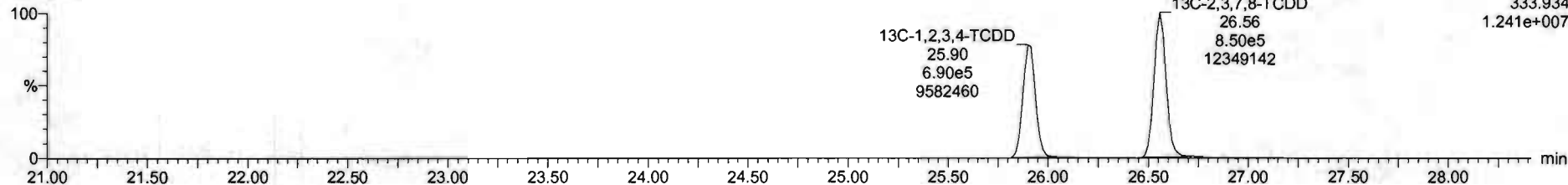


13C-2,3,7,8-TCDD

200528R2_5



200528R2_5



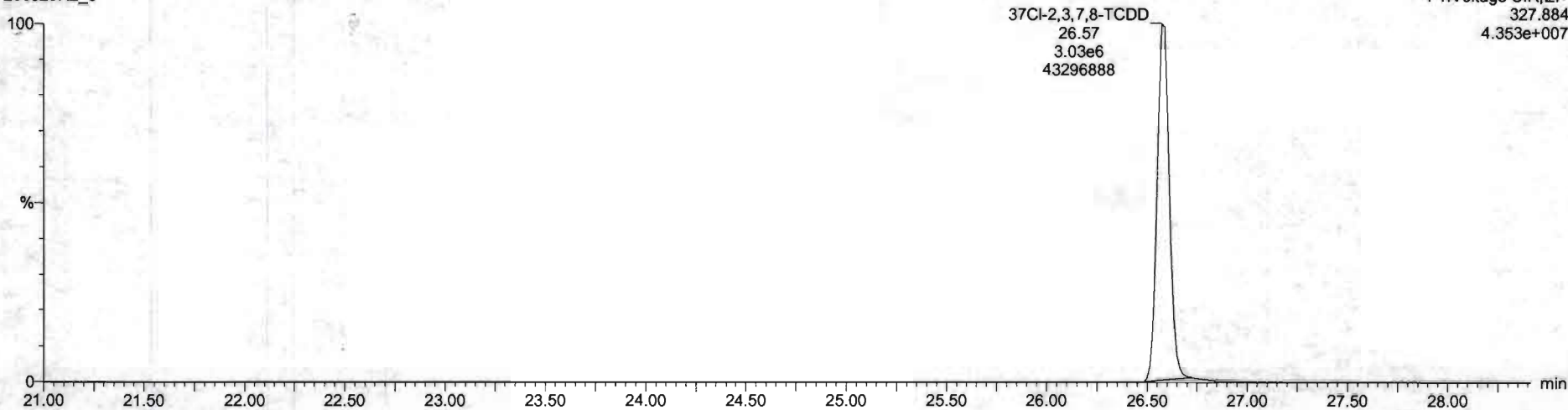
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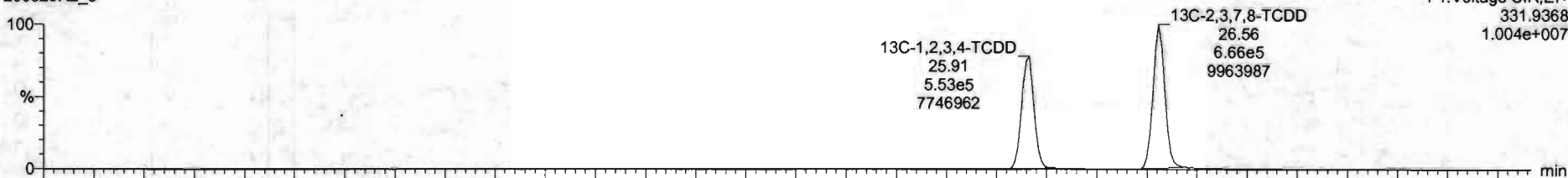
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200528R2_5

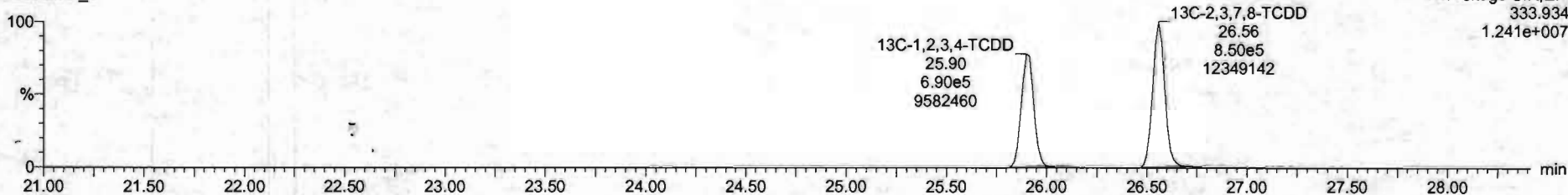


13C-1,2,3,4-TCDD

200528R2_5



200528R2_5



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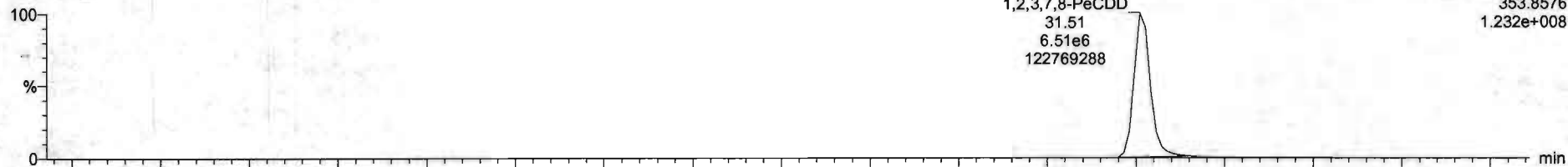
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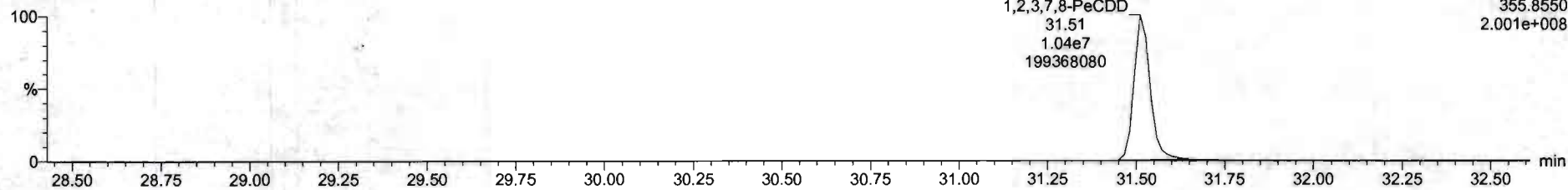
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1,2,3,7,8-PeCDD

200528R2_5

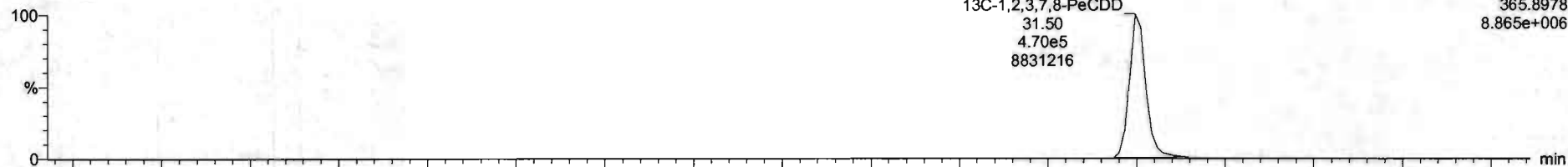


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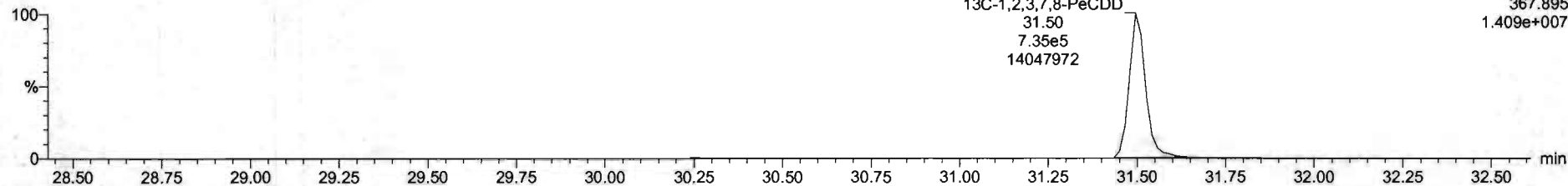


13C-1,2,3,7,8-PeCDD

200528R2_5



200528R2_5



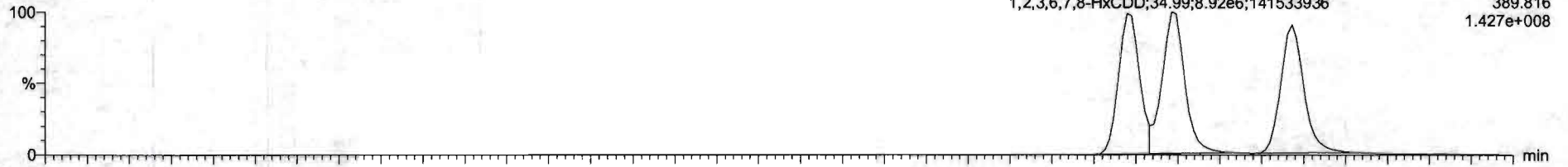
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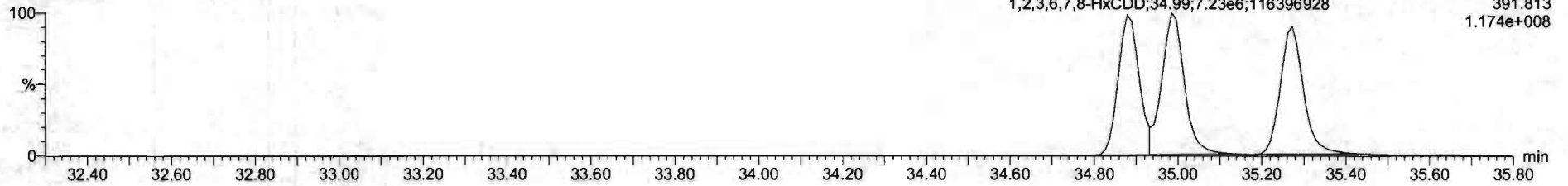
1,2,3,4,7,8-HxCDD

200528R2_5



F3:Voltage SIR,EI+
389.816
1.427e+008

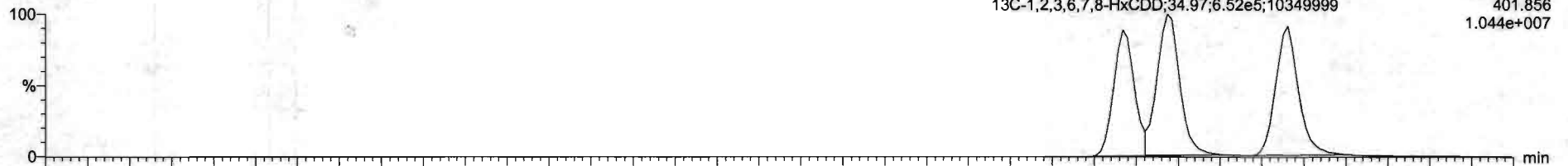
200528R2_5



F3:Voltage SIR,EI+
391.813
1.174e+008

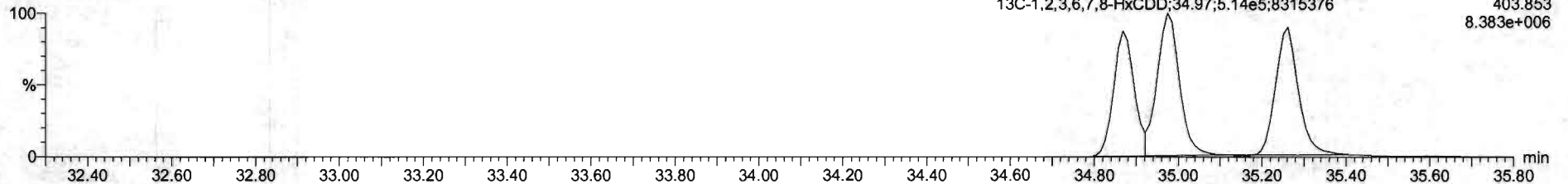
13C-1,2,3,4,7,8-HxCDD

200528R2_5



F3:Voltage SIR,EI+
401.856
1.044e+007

200528R2_5



F3:Voltage SIR,EI+
403.853
8.383e+006

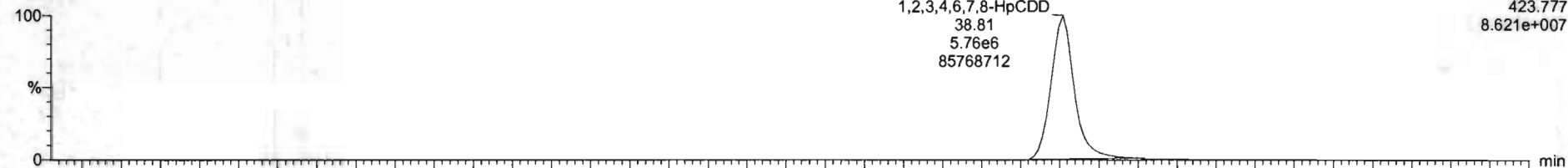
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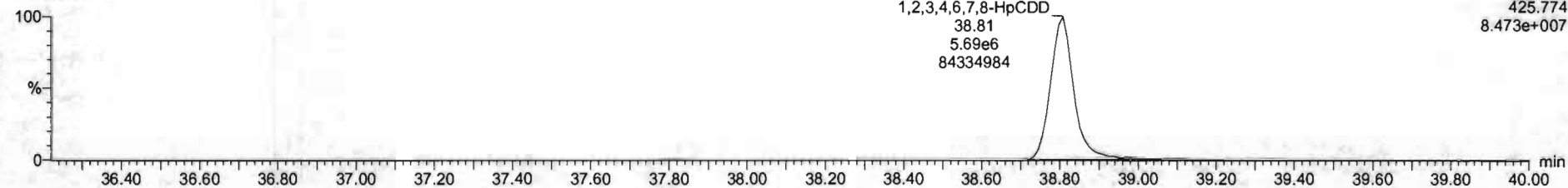
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1,2,3,4,6,7,8-HpCDD

200528R2_5

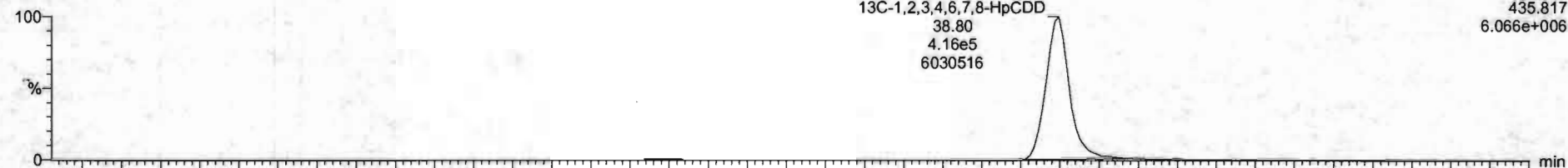


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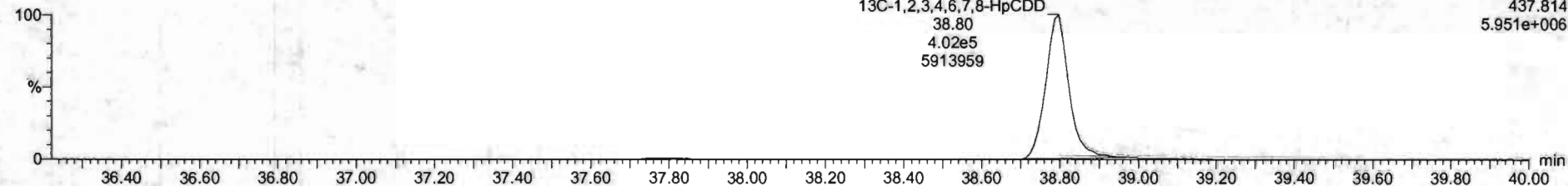


13C-1,2,3,4,6,7,8-HpCDD

200528R2_5



200528R2_5



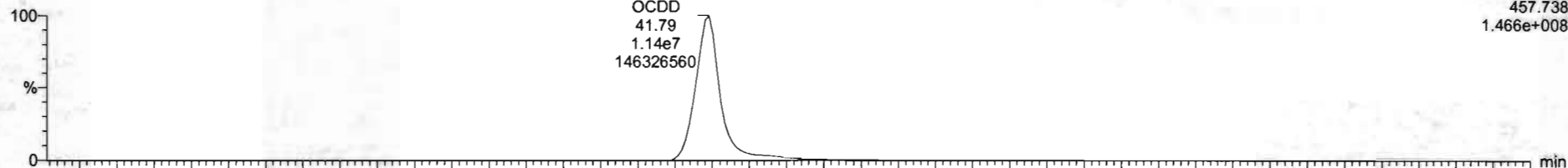
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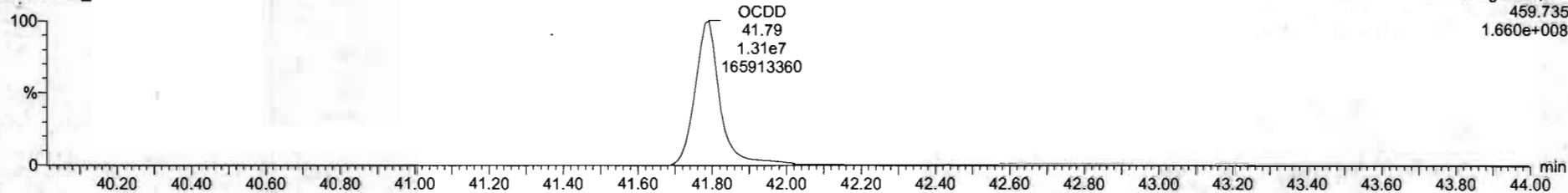
OCDD

200528R2_5



F5: Voltage SIR, EI+
457.738
1.466e+008

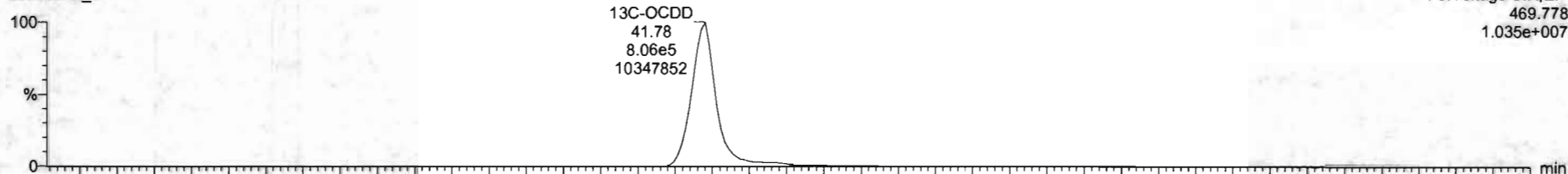
200528R2_5



F5: Voltage SIR, EI+
459.735
1.660e+008

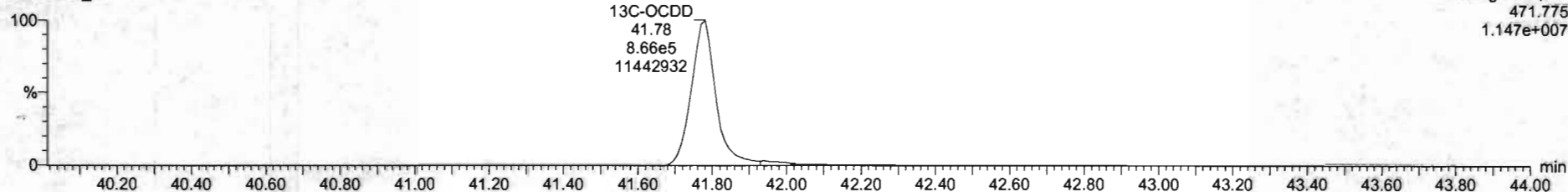
13C-OCDD

200528R2_5



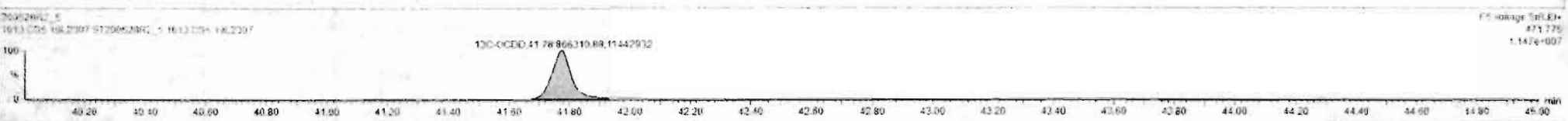
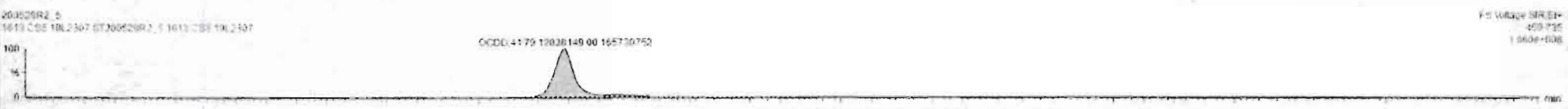
F5: Voltage SIR, EI+
469.778
1.035e+007

200528R2_5



F5: Voltage SIR, EI+
471.775
1.147e+007

N	Name	Resp	RA	np	PRF	IntVal	IT	NRT	Comp	%Rec	DL	ENPL
1	2.3.7.8-TCD0	4.52e7	0.76	NO	0.6883	1.000	26.95	1.001	321	107	0.0511	321
2	1.2.3.7.8-FluCD	1.58e7	0.63	NO	0.9051	1.000	31.61	1.000	1550	103	0.124	1550
3	1.2.3.4.7.8-HvCD	1.47e7	1.23	NO	1.0234	1.000	34.08	1.000	1520	101	0.130	1520
4	1.2.3.8.7.8-HvCD	1.41e7	1.21	NO	0.9523	1.000	34.99	1.000	1550	102	0.142	1550
5	1.2.3.7.8.9-HvCD	1.47e7	1.22	NO	0.9265	1.000	35.27	1.000	1570	104	0.107	1570
6	1.2.3.4.6.7.8-HvCD	1.15e7	1.01	NO	0.8639	1.000	36.61	1.000	1620	105	0.161	1620
7	OCDD	2.37e7	0.84	NO	0.9138	1.000	41.79	1.000	3100	103	0.379	3100
8	2.3.7.6-TCD	0.00e0	0.75	NO	0.7510	1.000	45.65	1.001	325	105	0.0600	325
9	1.2.3.7.8-PeCDF	2.38e7	1.14	NO	0.8925	1.000	40.23	1.000	1570	101	0.231	1570
10	2.3.4.7.8-PeCDF	0.40e7	1.53	NO	0.9348	1.000	41.21	1.000	1550	101	0.213	1550
11	1.2.3.4.7.8-HuCDF	1.61e7	1.19	NO	0.8644	1.000	34.01	1.000	1590	106	0.103	1590
12	1.2.3.6.7.8-HuCDF	1.06e7	1.19	NO	0.8092	1.000	34.72	1.000	1535	101	0.0927	1535
13	2.3.4.6.7.8-HuCDF	1.72e7	1.19	NO	0.9341	1.000	34.72	1.001	1560	104	0.152	1560
14	1.2.3.7.8.9-HvCDF	1.49e7	1.26	NO	0.6707	1.000	35.63	1.000	1560	106	0.145	1560
15	1.2.3.4.6.7.8-HvCDF	1.28e7	1.09	NO	0.8734	1.000	37.40	1.000	1560	104	0.303	1560
16	1.2.3.4.7.8.9-HvCDF	1.05e7	1.00	NO	1.0172	1.000	38.34	1.000	1620	103	0.215	1620
17	OCDF	2.35e7	0.85	NO	0.8085	1.000	41.95	1.000	3090	101	0.250	3090
18	13C-2.3.7.8-TCD	1.52e7	0.76	NO	1.1583	1.000	26.96	1.026	106	106	0.0720	106
19	13C-1.2.3.7.8-PeCDD	1.21e6	0.64	NO	0.8499	1.000	31.58	1.215	114	114	0.130	114
20	13C-1.2.3.4.7.8-PeCDD	6.34e5	1.28	NO	0.7750	1.000	34.97	1.014	110	110	0.191	110
21	13C-1.2.3.6.7.8-PeCDD	1.17e6	1.27	NO	1.0167	1.000	34.97	1.017	113	113	0.146	113



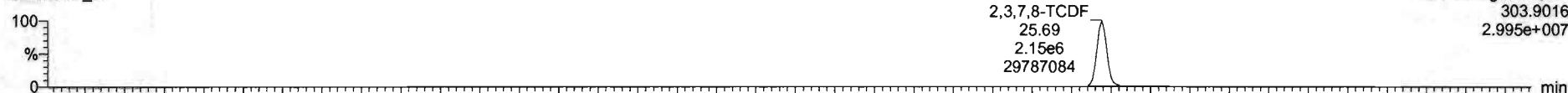
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Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

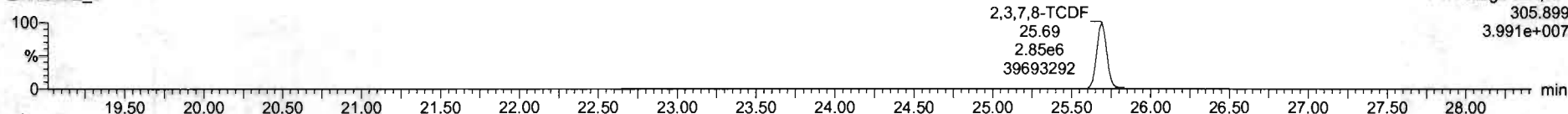
2,3,7,8-TCDF

200528R2_5



F1:Voltage SIR,EI+
303.9016
2.995e+007

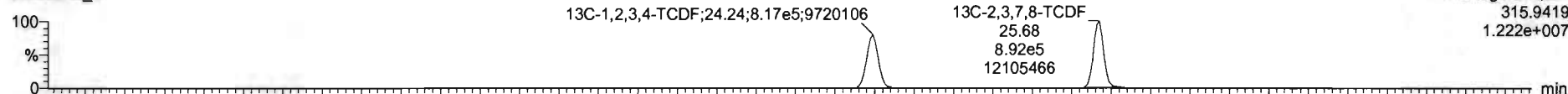
200528R2_5



F1:Voltage SIR,EI+
305.899
3.991e+007

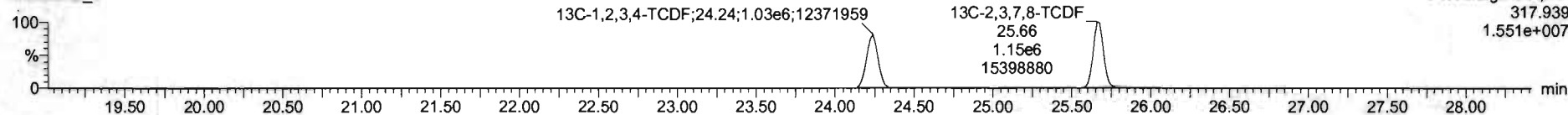
13C-2,3,7,8-TCDF

200528R2_5



F1:Voltage SIR,EI+
315.9419
1.222e+007

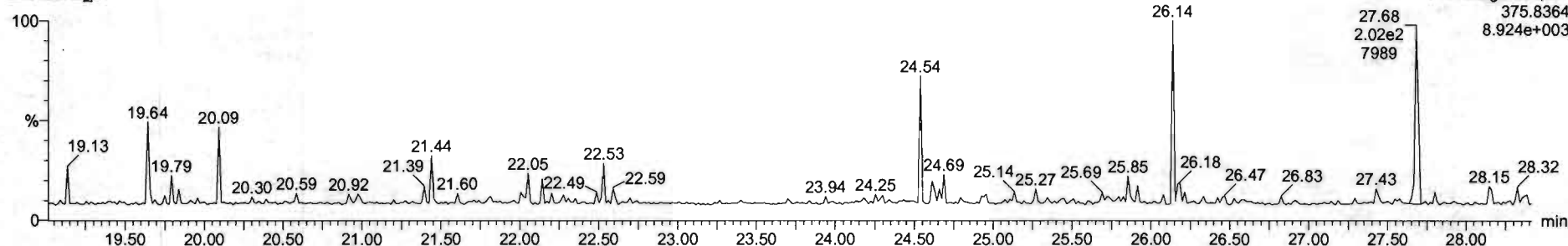
200528R2_5



F1:Voltage SIR,EI+
317.939
1.551e+007

DPE1

200528R2_5



F1:Voltage SIR,EI+
375.8364
8.924e+003

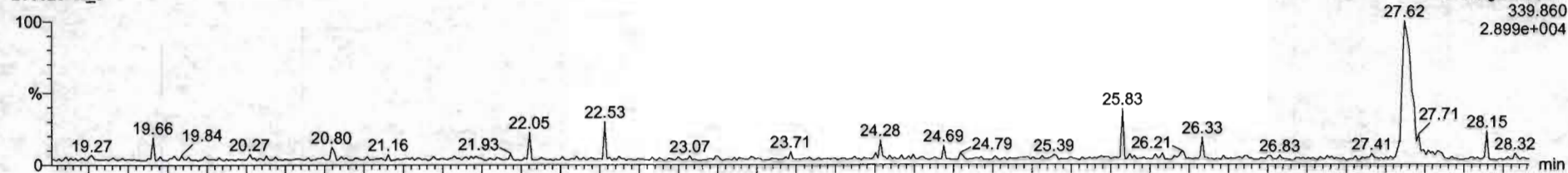
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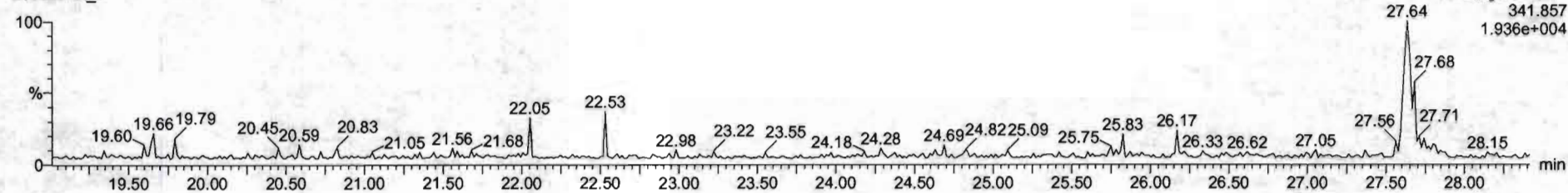
Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

1st Func. Penta-Furans

200528R2_5

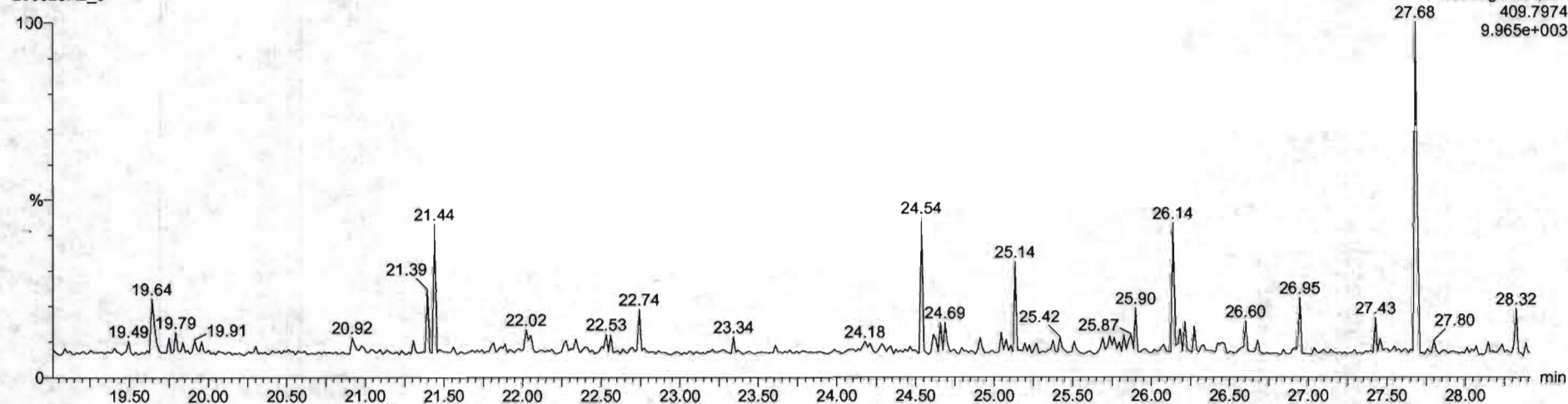


200528R2_5



DPE6

200528R2_5



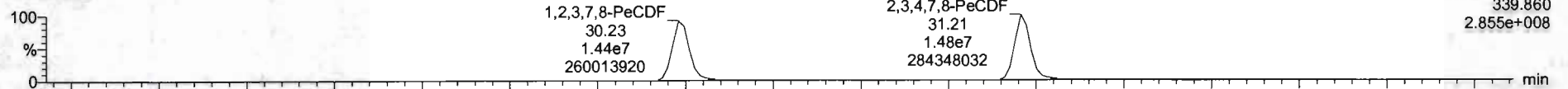
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

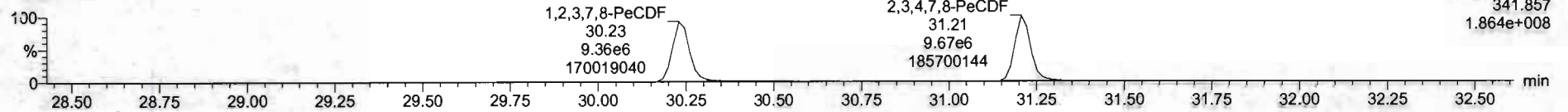
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1,2,3,7,8-PeCDF

200528R2_5

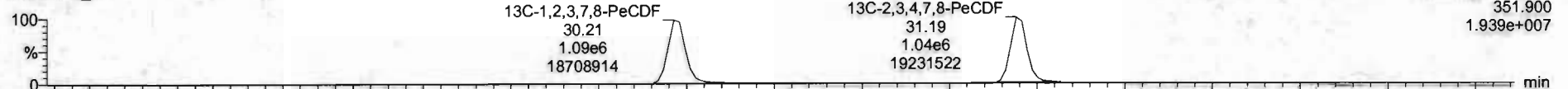


200528R2_5

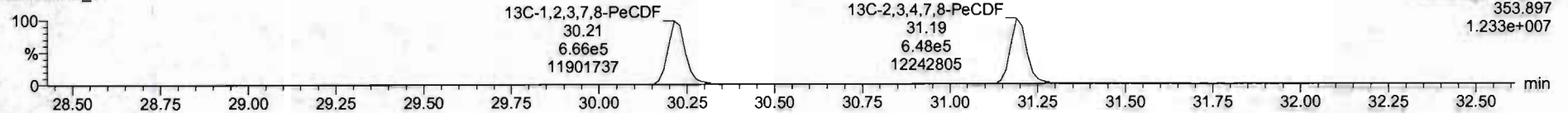


13C-1,2,3,7,8-PeCDF

200528R2_5

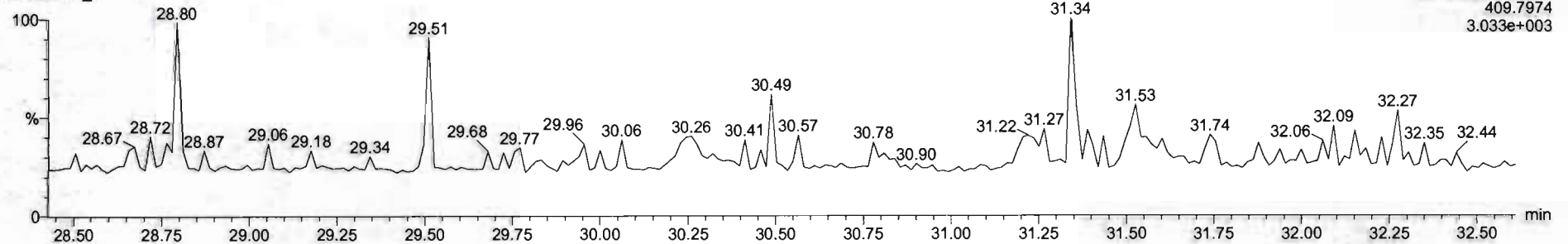


200528R2_5



DPE2

200528R2_5



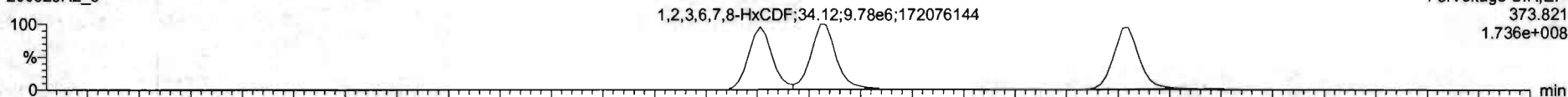
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

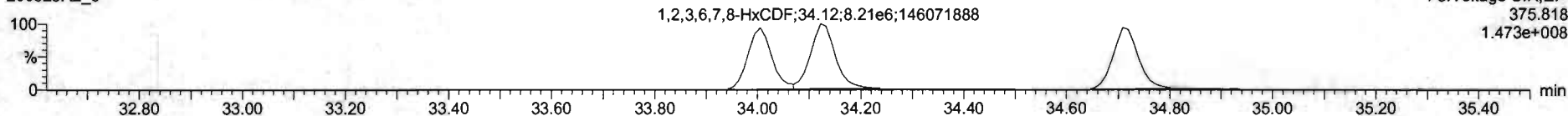
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1,2,3,4,7,8-HxCDF

200528R2_5

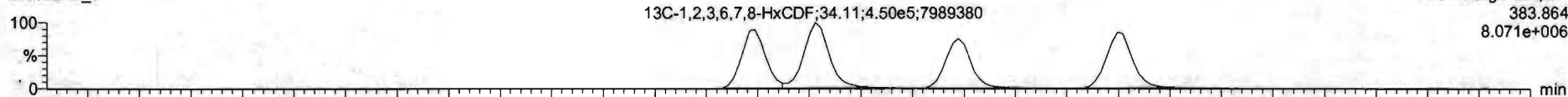


200528R2_5

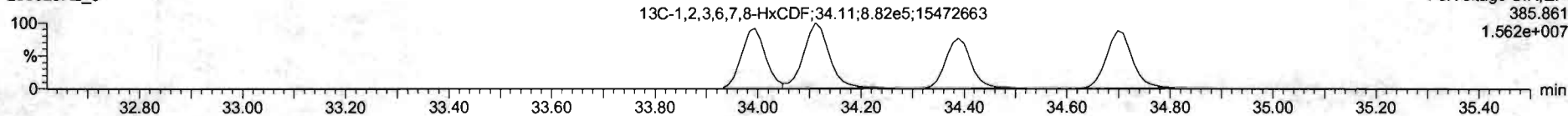


13C-1,2,3,4,7,8-HxCDF

200528R2_5

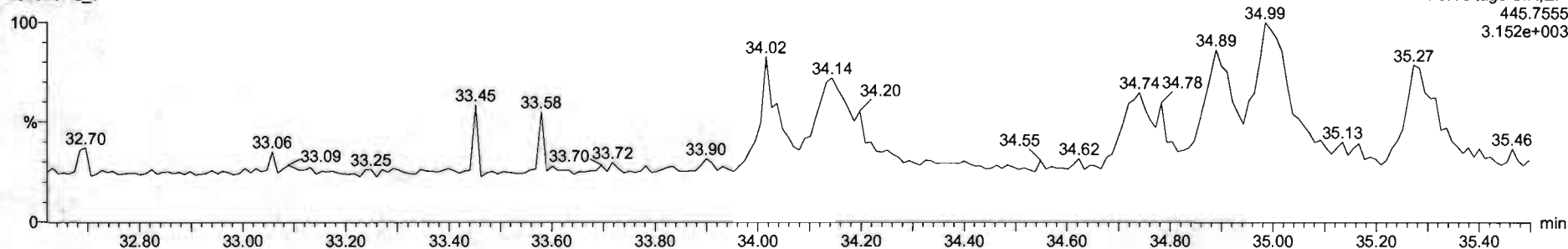


200528R2_5



DPE3

200528R2_5



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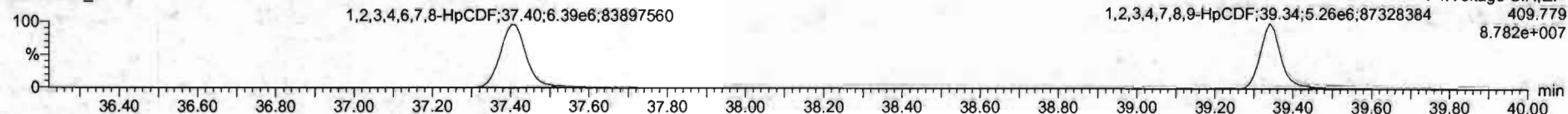
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1,2,3,4,6,7,8-HpCDF

200528R2_5

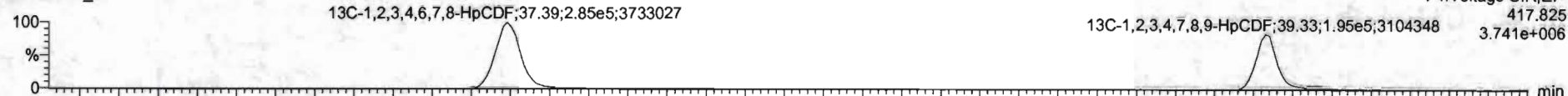


200528R2_5

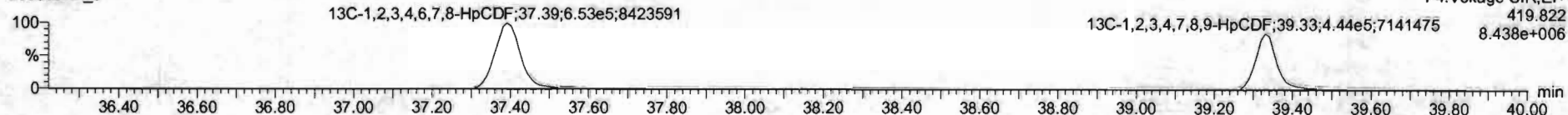


13C-1,2,3,4,6,7,8-HpCDF

200528R2_5

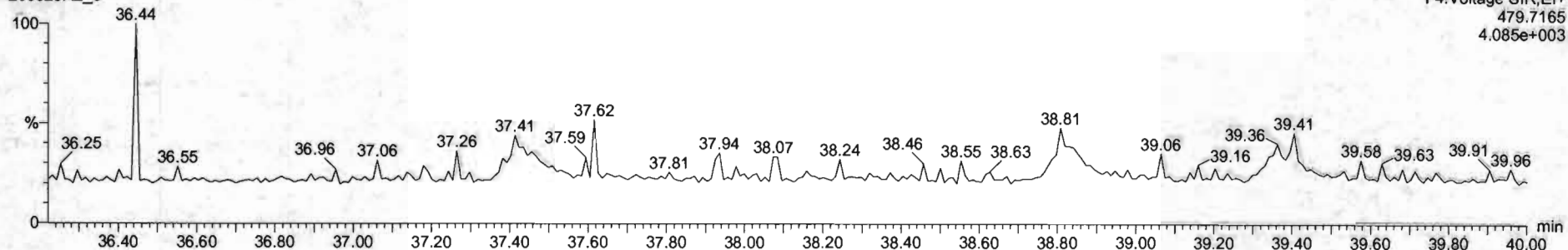


200528R2_5



DPE4

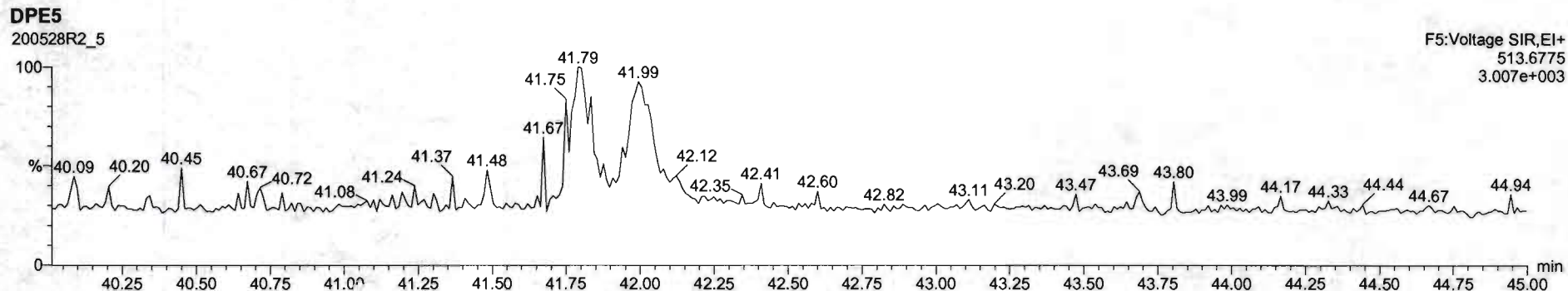
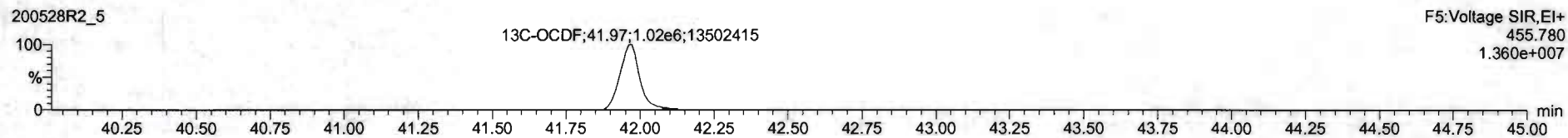
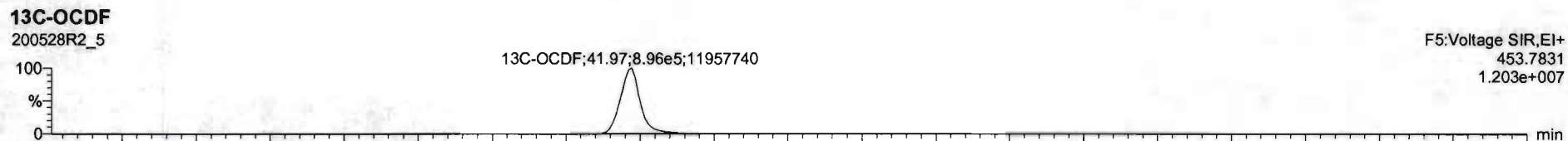
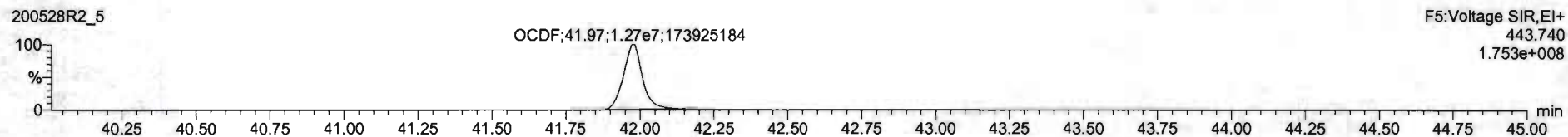
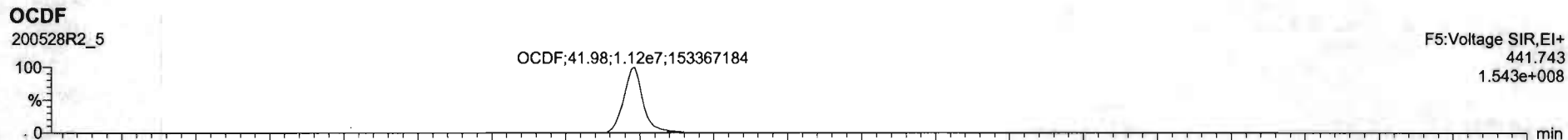
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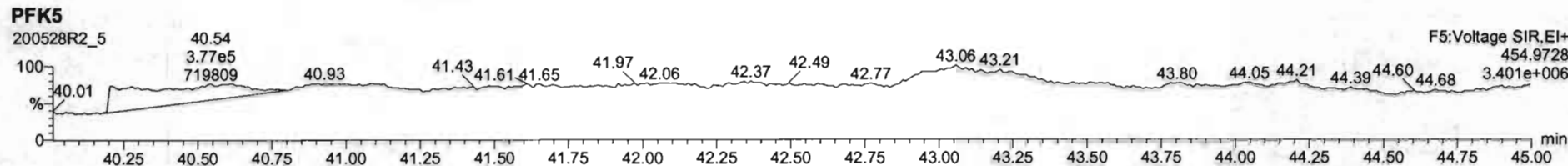
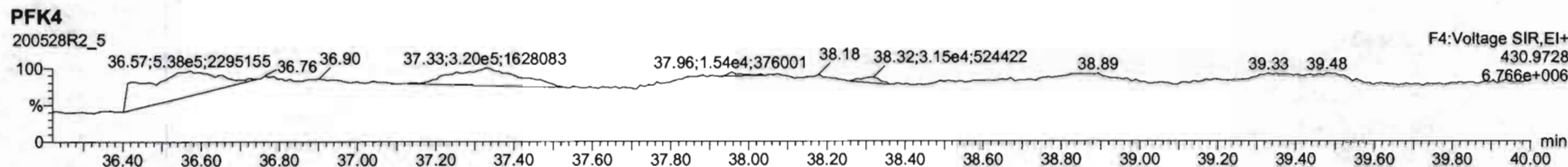
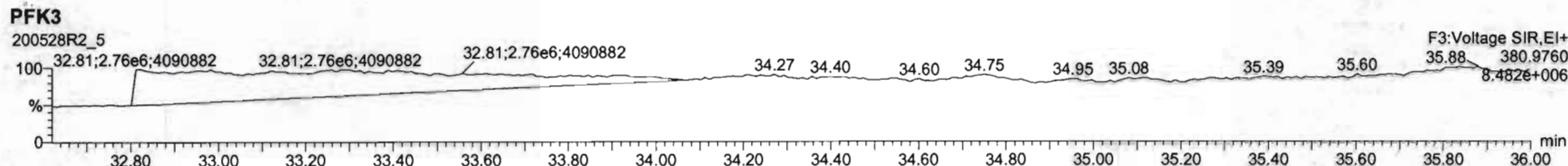
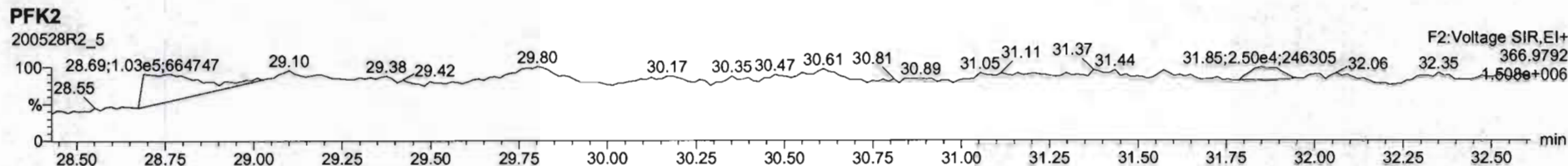
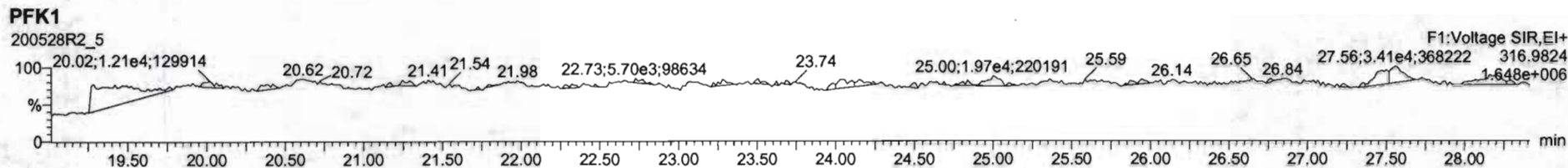
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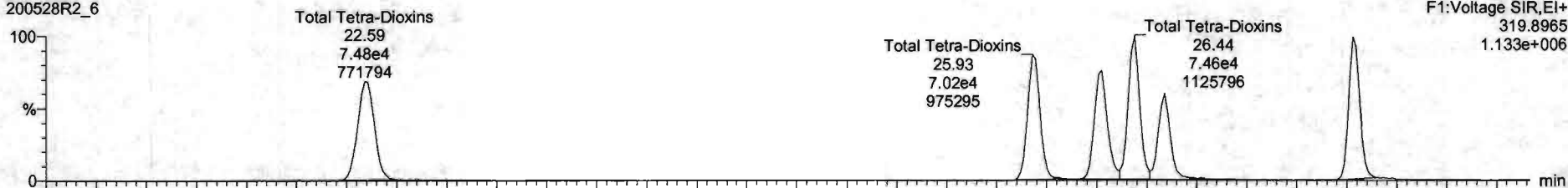
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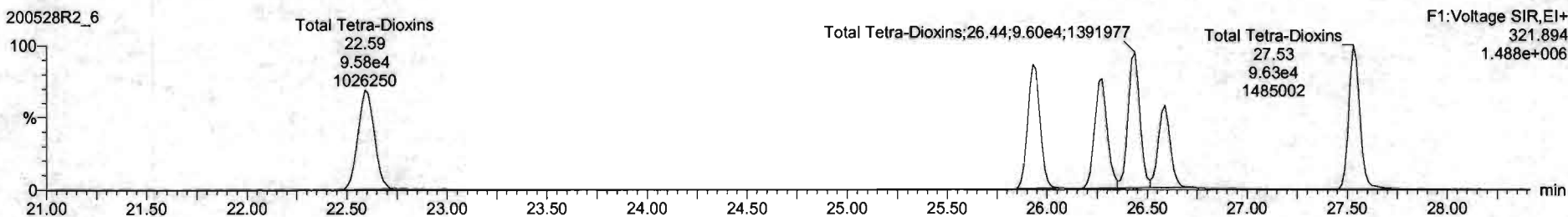
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2,3,7,8-TCDD

200528R2_6

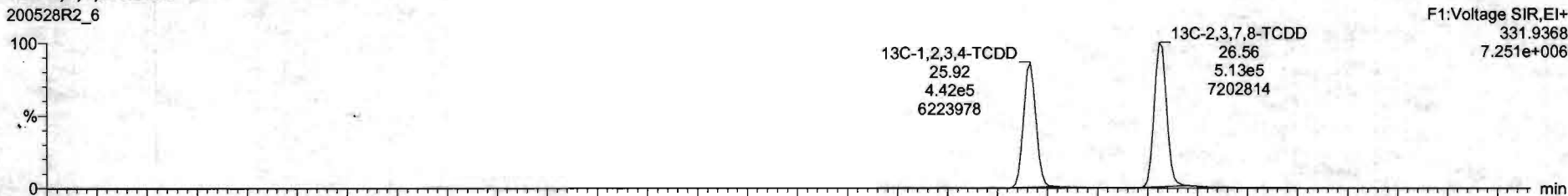


200528R2_6

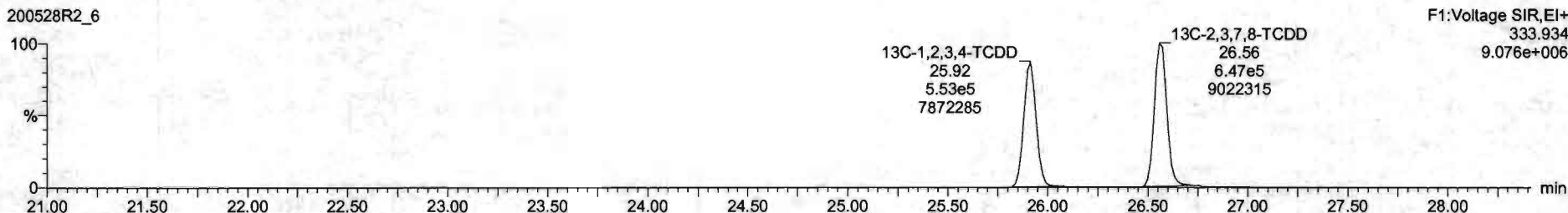


13C-2,3,7,8-TCDD

200528R2_6



200528R2_6



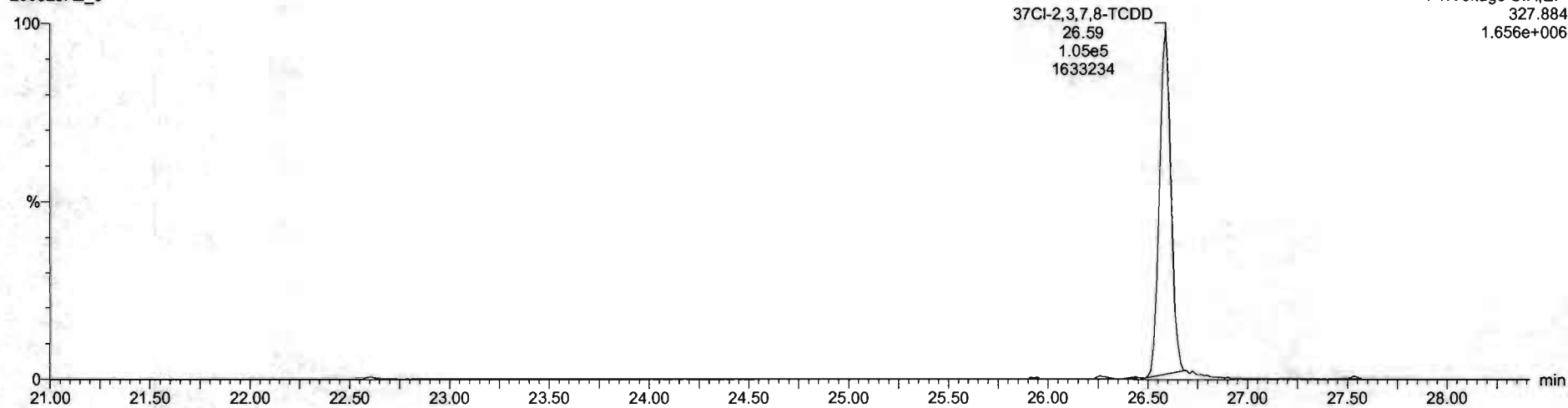
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

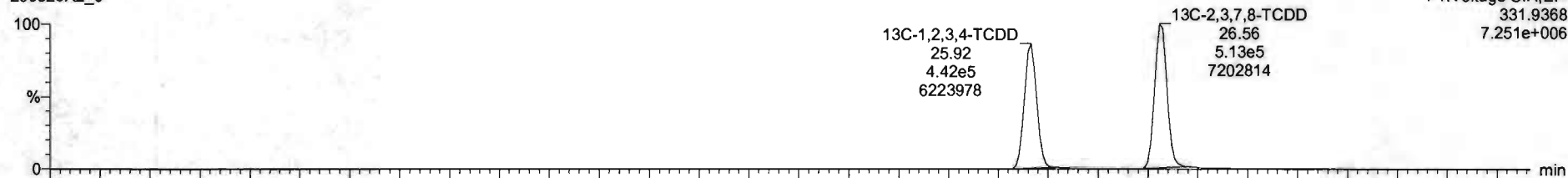
37Cl-2,3,7,8-TCDD

200528R2_6

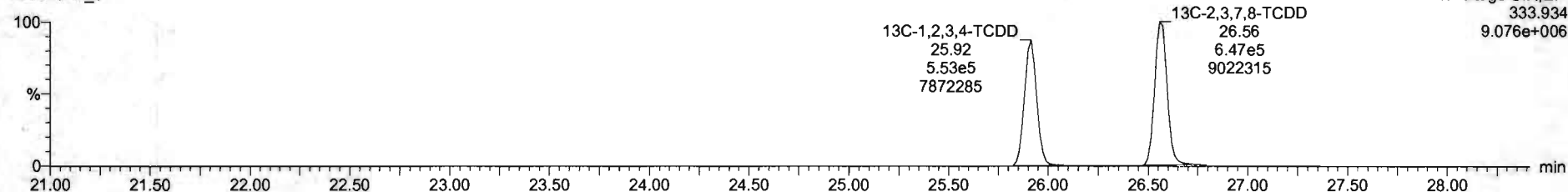


13C-1,2,3,4-TCDD

200528R2_6



200528R2_6



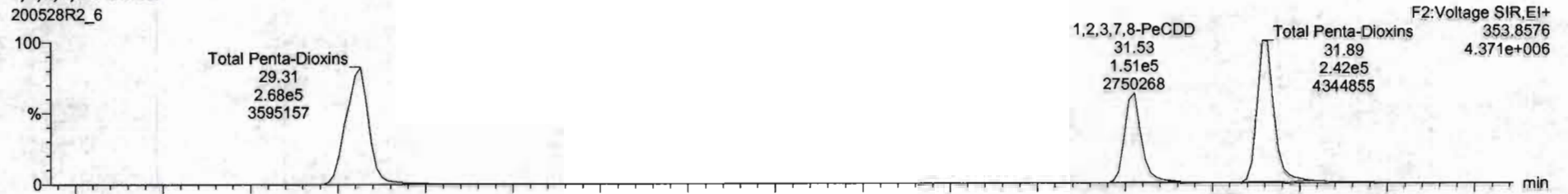
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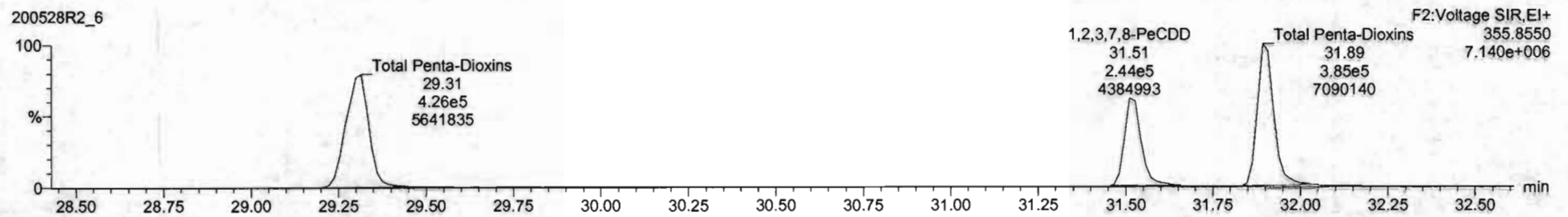
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1,2,3,7,8-PeCDD

200528R2_6

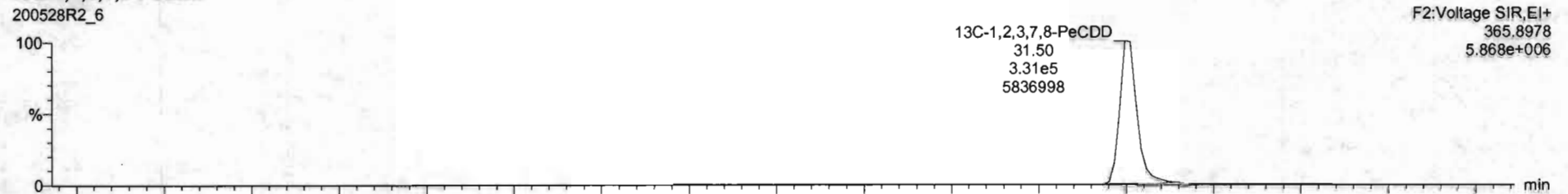


200528R2_6

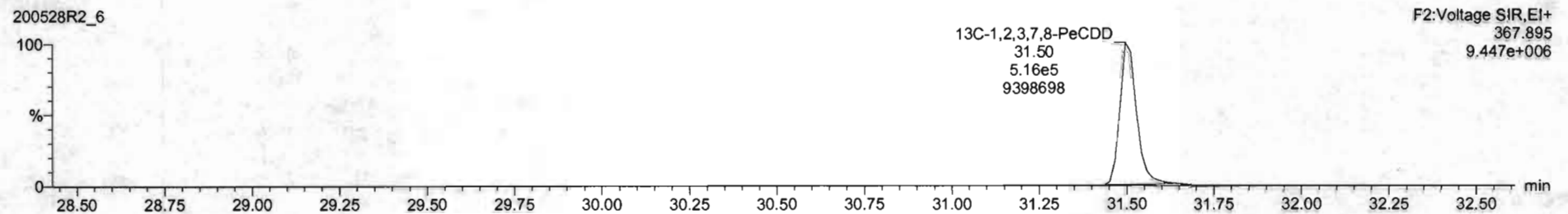


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200528R2_6



200528R2_6



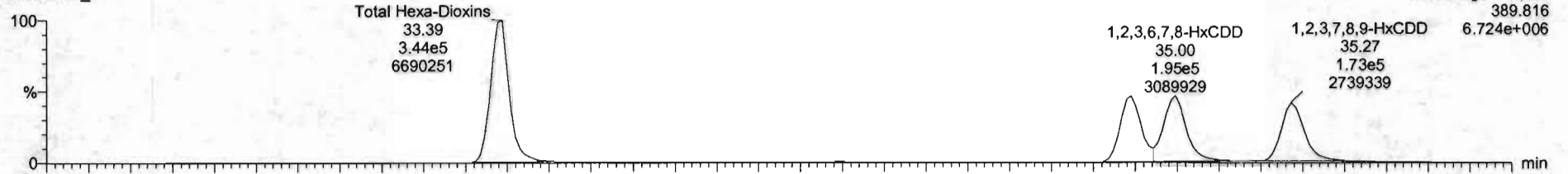
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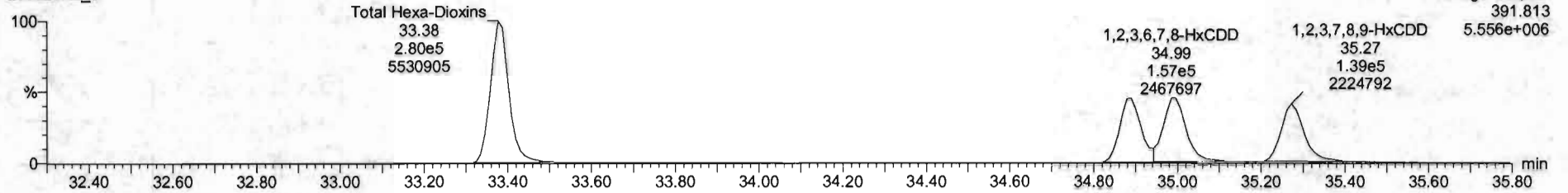
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1,2,3,4,7,8-HxCDD

200528R2_6

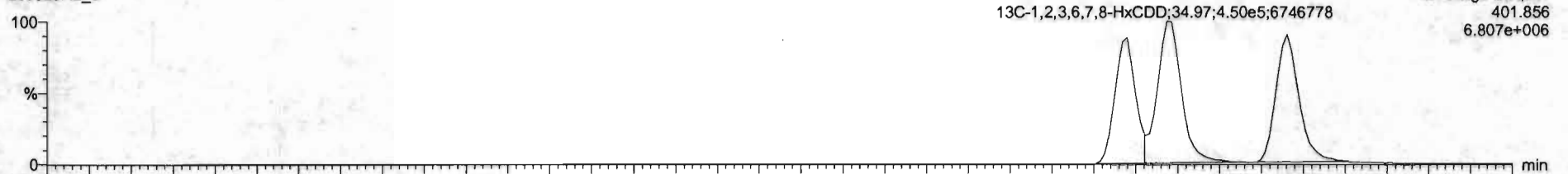


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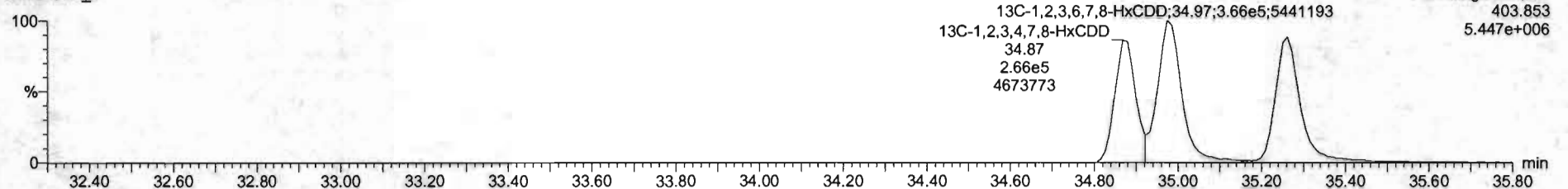


13C-1,2,3,4,7,8-HxCDD

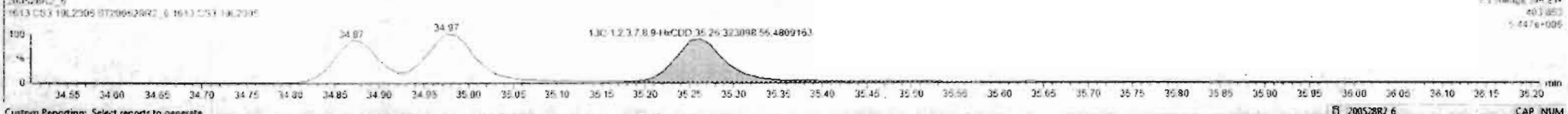
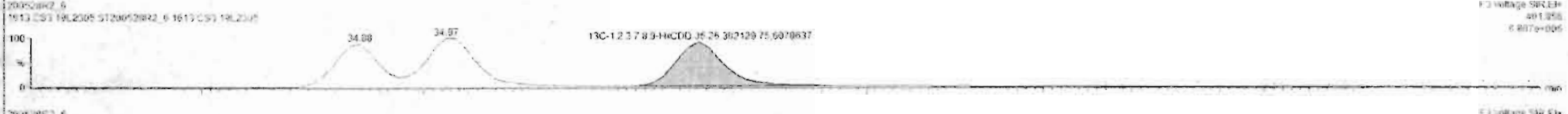
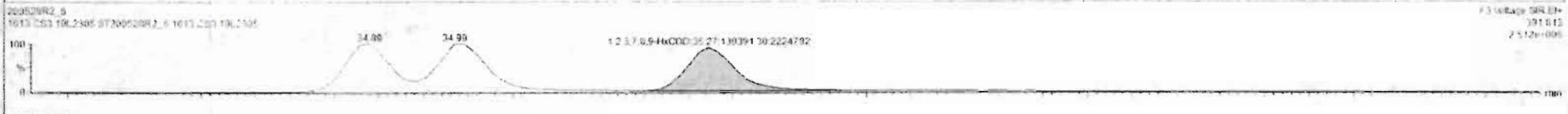
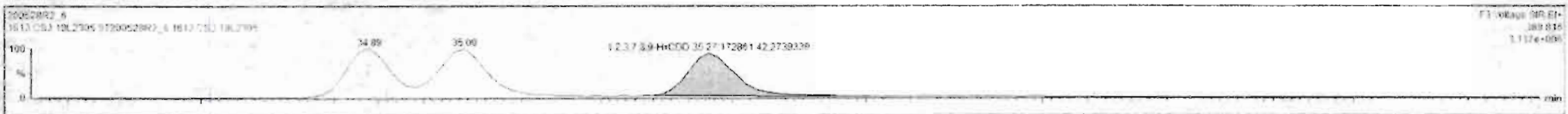
200528R2_6



200528R2_6



#	Name	Res#	RA	aly	RR	sdvol	RT	RRT	Conc.	%Rec	DL	LHPC
1	2,3,7,8-TCDD	1.06e5	0.91	NO	0.6203	1.000	26.59	1.001	10.2	102	0.0674	10.2
2	1,2,3,7,8-PeCDD	3.96e5	0.82	NO	0.9041	1.000	31.43	1.001	51.3	103	2.19e	51.3
3	1,2,3,4,7,8-HxCDD	7.25e5	1.22	NO	1.6334	1.000	34.89	1.000	52.1	104	0.220	52.1
4	1,2,3,6,7,8-HxCDD	3.51e5	1.24	NO	0.8921	1.000	34.20	1.001	48.3	98.8	0.211	48.3
5	1,2,3,7,8,9-HxCDD	3.12e5	1.24	NO	0.8859	1.000	35.27	1.000	49.9	99.8	0.204	49.9
6	1,2,3,4,6,7,8-HxCDD	2.29e5	1.02	NO	0.9818	1.000	35.81	1.000	51.2	102	0.209	51.2
7	CDD	4.53e5	0.98	NO	0.9136	1.000	41.78	1.000	102	102	0.206	102
8	2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.8905	1.000	30.25	1.000	51.2	102	0.130	51.2
10	1,2,3,7,8-PeCDF	4.81e5	1.57	NO	0.9348	1.000	31.22	1.000	49.3	101	0.130	49.3
11	1,2,3,4,7,8-HxCDF	3.98e5	1.21	NO	0.9548	1.000	34.01	1.000	51.1	102	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8622	1.000	34.13	1.000	51.9	104	0.179	51.9
13	1,2,3,4,6,7,8-HxCDF	3.88e5	1.25	NO	0.9341	1.000	34.72	1.000	51.9	104	0.197	51.9
14	1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8757	1.000	35.63	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.84e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.201	51.4
16	1,2,3,4,7,8,9-HpCDF	2.00e5	0.80	NO	1.0125	1.000	38.34	1.000	52.7	105	0.258	52.7
17	CDF	4.44e5	0.86	NO	0.8045	1.000	41.97	1.000	102	102	0.161	102
18	1,2,3,7,8,9-TCDF	1.16e5	0.79	NO	1.1503	1.000	28.96	1.025	101	101	0.0990	101
19	1,2,3,4,6,7,8-HxCDF	8.48e5	0.84	NO	0.8450	1.000	31.50	1.215	100	100	0.205	100
20	1,2,3,4,7,8-HxCDF	8.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	98.9
21	1,2,3,6,7,8-HxCDF	8.19e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	102



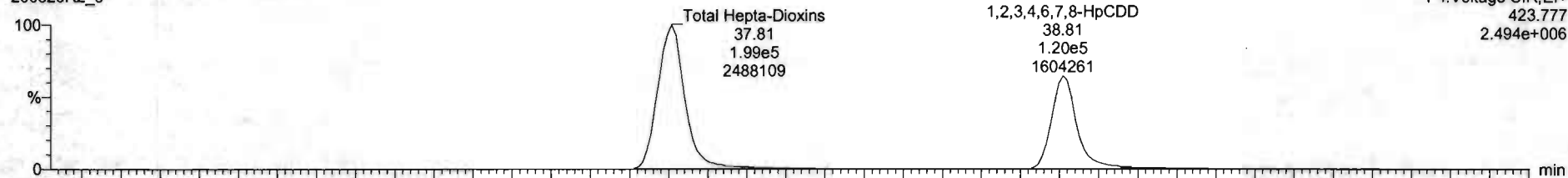
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

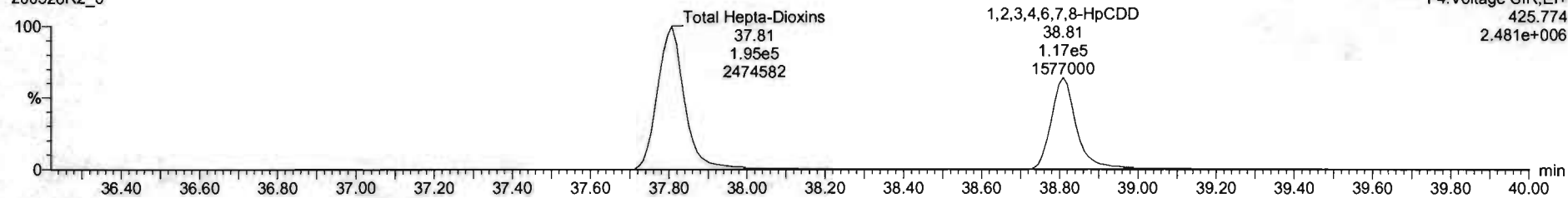
1,2,3,4,6,7,8-HpCDD

200528R2_6



F4: Voltage SIR, EI+
423.777
2.494e+006

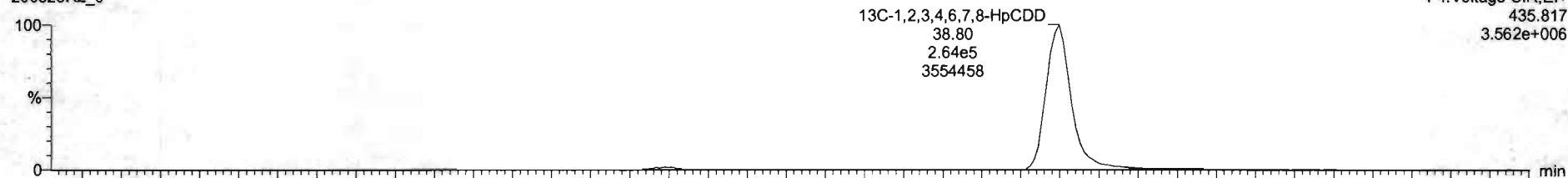
200528R2_6



F4: Voltage SIR, EI+
425.774
2.481e+006

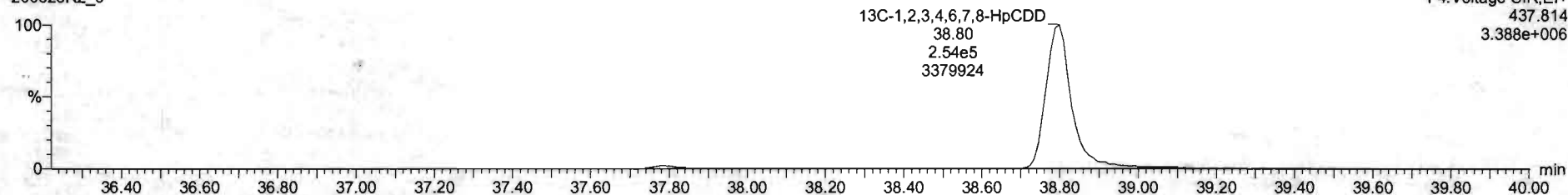
13C-1,2,3,4,6,7,8-HpCDD

200528R2_6



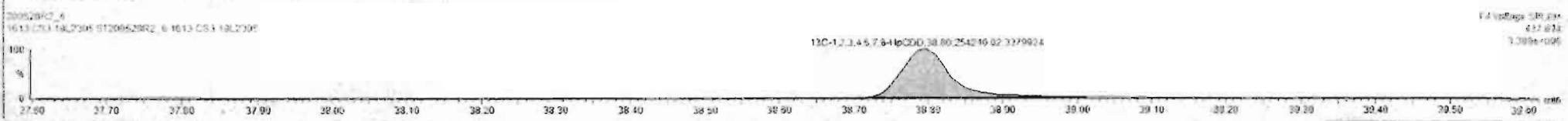
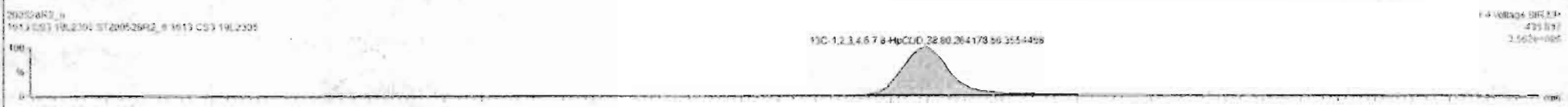
F4: Voltage SIR, EI+
435.817
3.562e+006

200528R2_6



F4: Voltage SIR, EI+
437.814
3.388e+006

#	Name	Resp	RA	inj	RRF	wtvol	HT	RR1	Conc	%Rec	OL	EMPC
1	1,2,3,4,5-HpCDD	1.96e5	0.81	NO	0.880	1.000	26.19	1.001	10.2	102	0.0664	10.0
2	1,2,3,4,6,7,8-HpCDD	3.95e5	0.82	NO	0.901	1.000	31.53	1.001	51.3	102	0.195	51.3
3	1,2,3,4,7,8-HpCDD	3.25e5	1.23	NO	1.034	1.000	34.89	1.006	52.1	104	0.255	52.1
4	1,2,3,4,7,8-HxCDD	3.51e5	1.24	NO	0.897	1.000	35.35	1.001	48.2	96.4	0.251	48.2
5	1,2,3,4,7,8,9-HxCDD	3.12e5	1.24	NO	1.525	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8,9-HxCDD	3.95e5	1.03	NO	0.899	1.000	35.81	1.000	51.3	102	0.259	51.2
7	OCDF	4.53e5	0.98	NO	0.916	1.000	41.75	1.000	102	102	0.208	102
8	1,1,1,6-TCDF	1.19e5	0.74	NO	0.710	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.895	1.000	30.25	1.000	51.0	102	0.150	51.0
10	1,2,3,7,8-PeCDF	5.81e5	1.57	NO	0.938	1.000	31.00	1.000	50.3	101	0.150	50.3
11	1,2,3,4,7,8-HxCDF	3.58e5	1.21	NO	0.854	1.000	34.01	1.000	51.1	102	0.151	51.1
12	1,2,3,6,7,8-HpCDF	4.22e5	1.25	NO	0.855	1.000	34.13	1.000	51.9	104	0.170	51.9
13	1,2,3,4,6,7,8-HxCDF	3.08e5	1.25	NO	0.904	1.000	34.72	1.000	51.9	104	0.157	51.9
14	1,2,3,7,8-HpCDF	3.98e5	1.22	NO	0.870	1.000	35.03	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.54e5	0.98	NO	0.873	1.000	37.41	1.001	51.4	103	0.201	51.4
16	1,2,3,4,7,8,9-HpCDF	2.30e5	0.98	NO	1.012	1.000	38.14	1.000	52.7	108	0.288	52.7
17	OCDF	4.44e5	0.85	NO	0.800	1.000	41.87	1.000	102	102	0.161	102
18	13C-1,2,3,7,8-12CDD	1.16e5	0.79	NO	1.150	1.000	29.56	1.026	101	101	0.0980	
19	13C-1,2,3,7,8-12CDD	3.48e5	0.84	NO	0.940	1.000	33.50	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-12CDD	8.04e5	1.27	NO	0.770	1.000	34.58	1.014	98.9	98.9	0.188	
21	13C-1,2,3,6,7,8-12CDD	8.15e5	1.23	NO	1.047	1.000	34.97	1.017	102	102	0.144	



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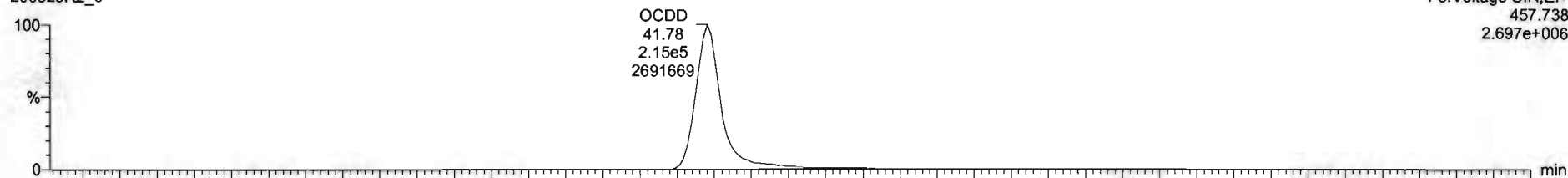
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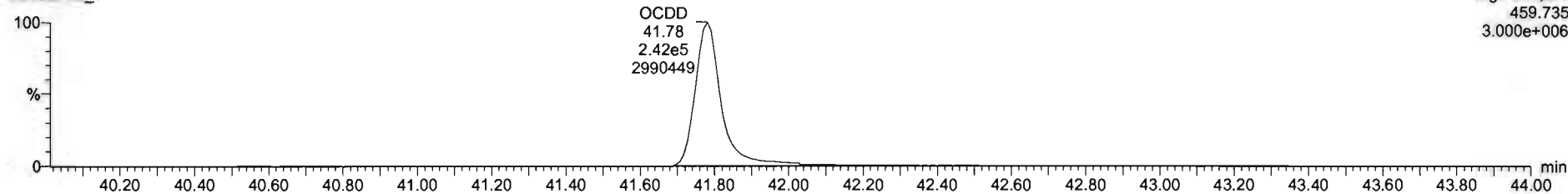
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OCDD

200528R2_6

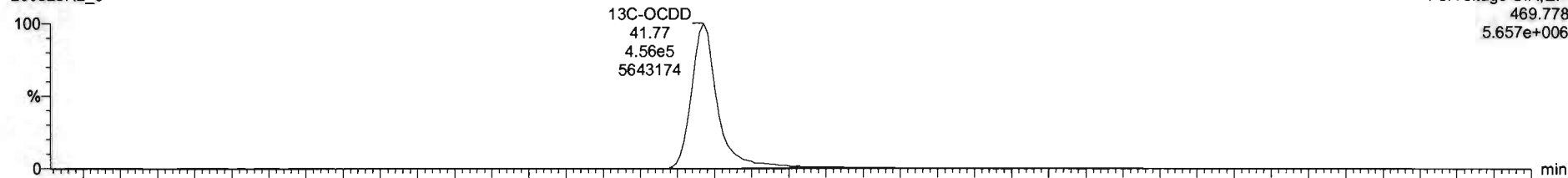


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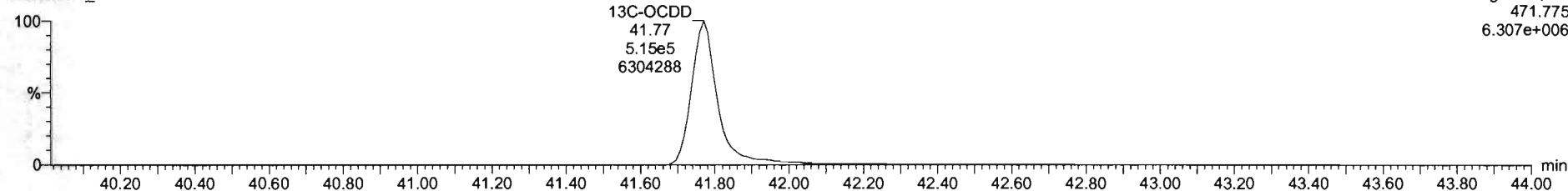


13C-OCDD

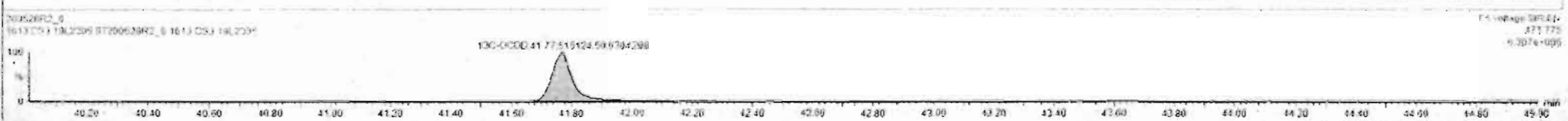
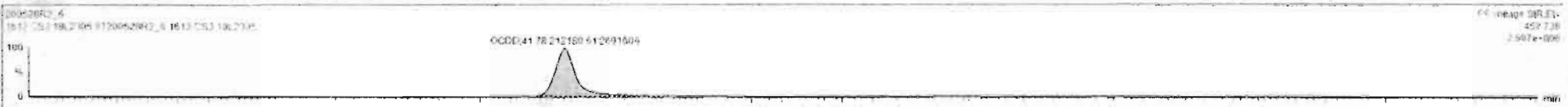
200528R2_6



200528R2_6



ID	Name	Resp	RA	Qty	RHF	Wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.96e6	0.21	NO	0.8843	1.000	26.19	1.001	10.2	102	0.0664	10.2
2	1,2,3,7,8-PeCDD	3.96e6	0.22	NO	0.9091	1.000	31.92	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDD	3.25e6	1.25	NO	1.0334	1.000	34.89	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDD	3.51e6	1.24	NO	0.8027	1.000	35.30	1.001	46.3	96.6	0.253	46.3
5	1,2,3,7,8,9-HxCDD	3.12e6	1.24	NO	0.9063	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	7.36e6	1.52	NO	1.0881	1.000	35.81	1.000	71.1	100	0.216	71.1
7	OCDD	4.53e5	0.28	NO	0.9138	1.000	41.76	1.000	102	102	0.208	102
8	2,3,7,8-TCDF	1.19e6	0.24	NO	0.7510	1.000	25.89	1.001	3.96	99.6	0.0613	9.96
9	1,2,3,7,8-PeCDF	5.72e6	1.57	NO	0.8925	1.000	30.25	1.000	51.2	102	0.159	51.2
10	2,3,4,7,8-HxCDF	8.81e6	1.57	NO	0.9346	1.000	31.22	1.000	50.3	101	0.130	50.3
11	1,2,3,4,7,8-HxCDF	3.56e6	1.21	NO	0.8544	1.000	34.91	1.000	51.1	102	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e6	1.25	NO	0.8062	1.000	34.12	1.000	51.9	104	0.176	51.9
13	2,3,4,6,7,8-HxCDF	3.88e6	1.25	NO	0.9341	1.000	34.22	1.000	51.9	104	0.197	51.9
14	1,2,3,7,8,9-HxCDF	2.98e6	1.22	NO	0.8707	1.000	35.43	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.64e6	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
16	1,2,3,4,7,8,9-HpCDF	2.06e6	0.98	NO	1.0128	1.000	39.34	1.000	52.7	105	0.253	52.7
17	OCDF	4.44e6	0.80	NO	0.8045	1.000	41.87	1.000	102	102	0.161	102
18	13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.1563	1.000	26.96	1.025	101	101	0.0900	
19	13C-1,2,3,7,8-PeCDD	8.46e6	0.84	NO	0.8490	1.000	31.98	1.215	100	100	0.225	
20	13C-1,2,3,4,7,8-HxCDD	6.04e6	1.27	NO	0.7750	1.000	34.88	1.014	96.9	96.9	0.198	
21	13C-1,2,3,6,7,8-HxCDD	6.15e6	1.23	NO	1.0167	1.000	34.97	1.017	102	102	0.144	



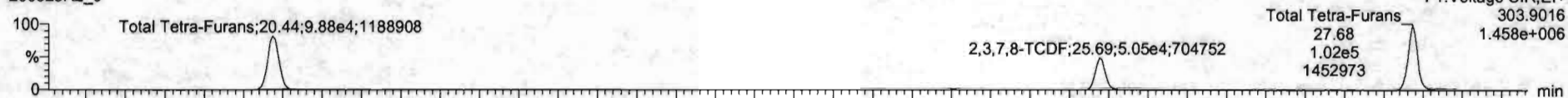
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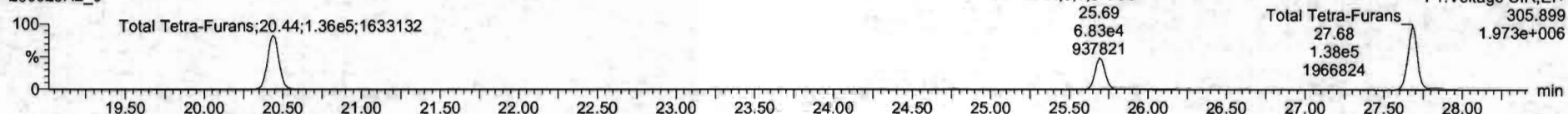
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2,3,7,8-TCDF

200528R2_6

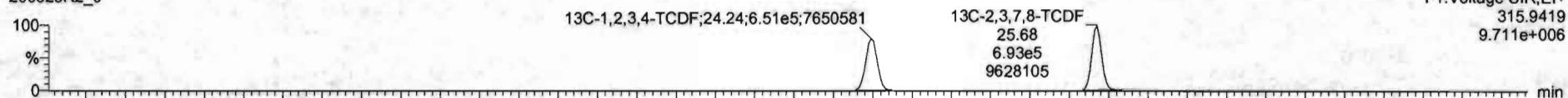


200528R2_6

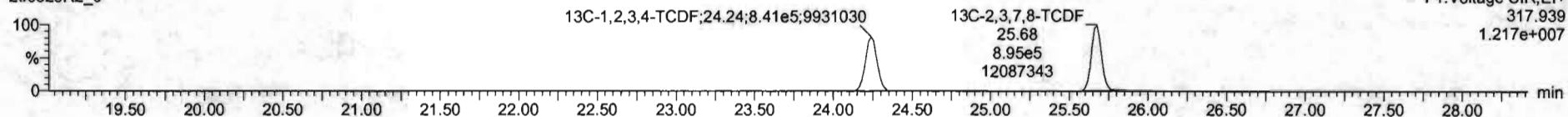


13C-2,3,7,8-TCDF

200528R2_6

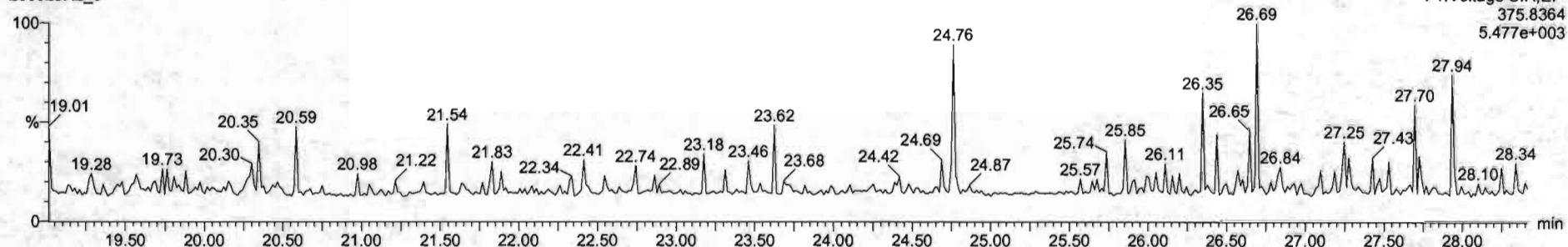


200528R2_6



DPE1

200528R2_6



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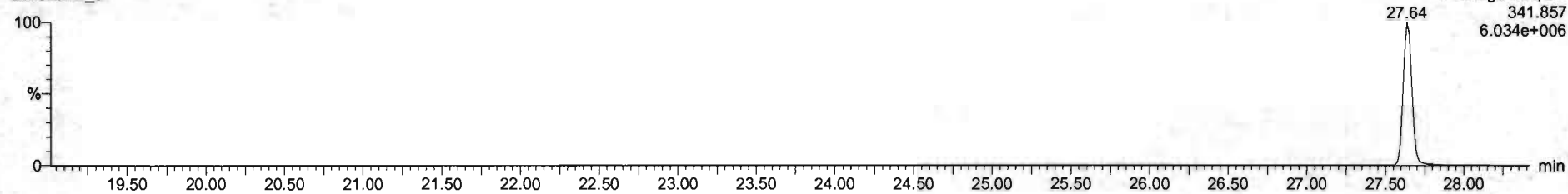
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200528R2_6

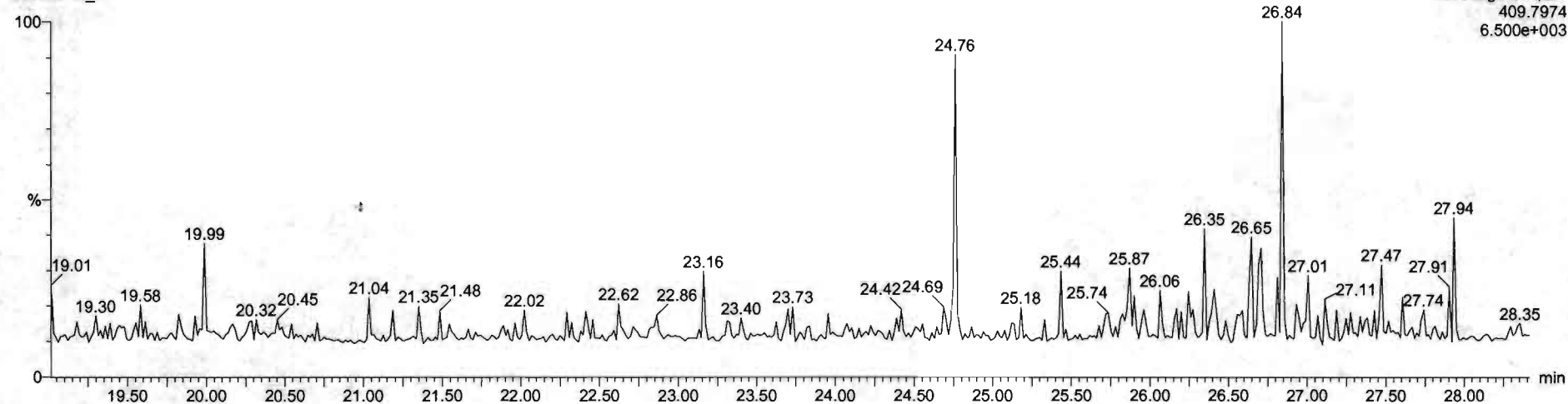


200528R2_6



DPE6

200528R2_6



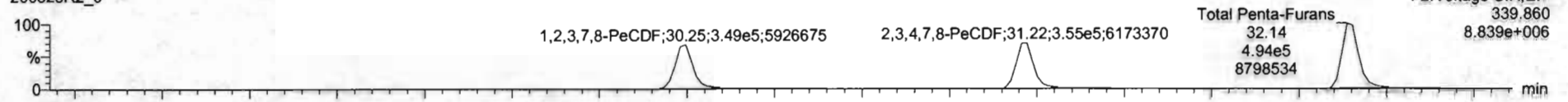
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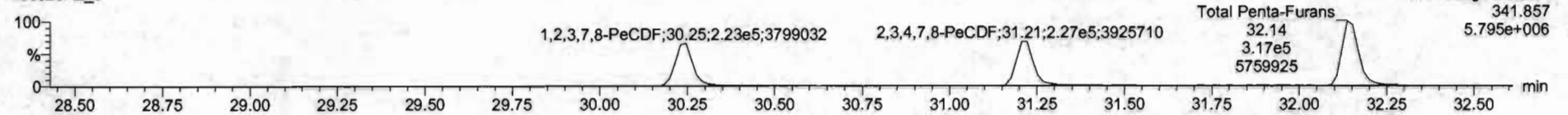
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1,2,3,7,8-PeCDF

200528R2_6

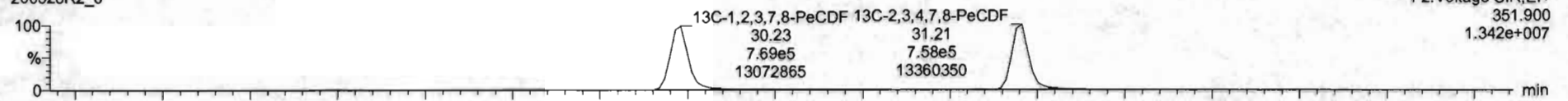


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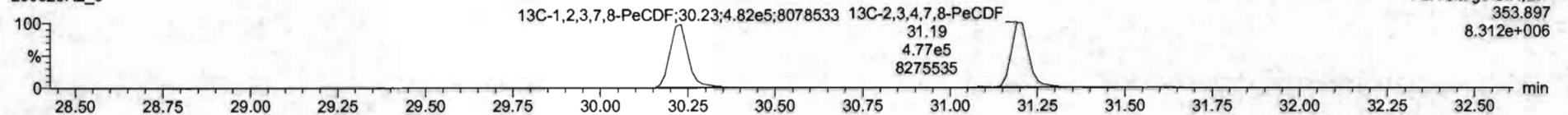


13C-1,2,3,7,8-PeCDF

200528R2_6

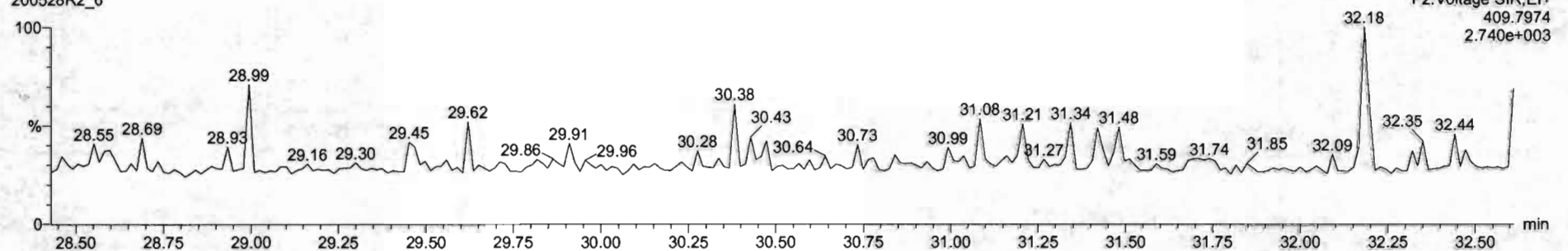


200528R2_6



DPE2

200528R2_6



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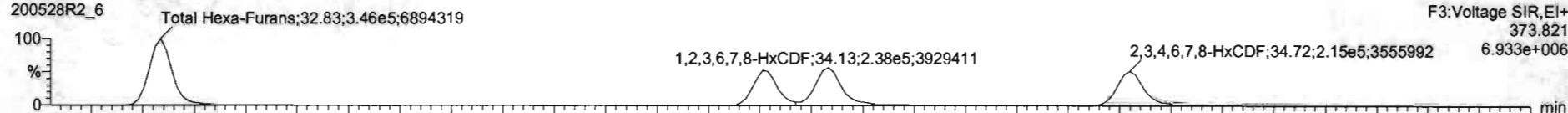
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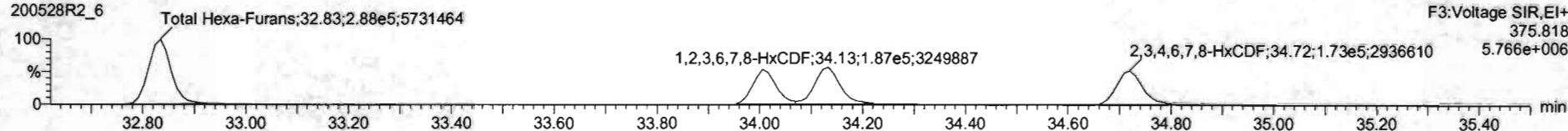
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1,2,3,4,7,8-HxCDF

200528R2_6

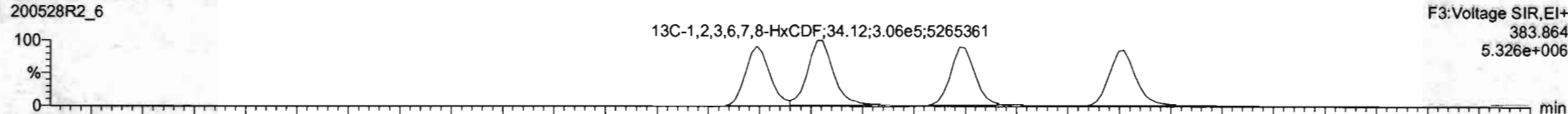


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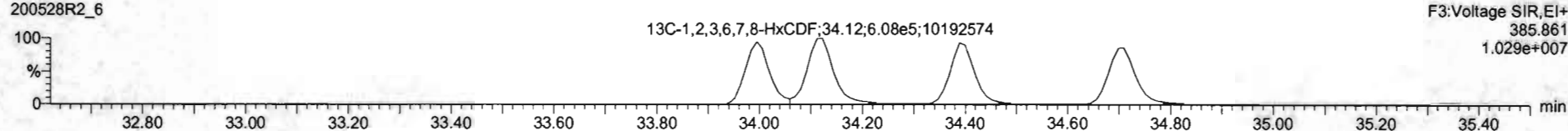


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200528R2_6

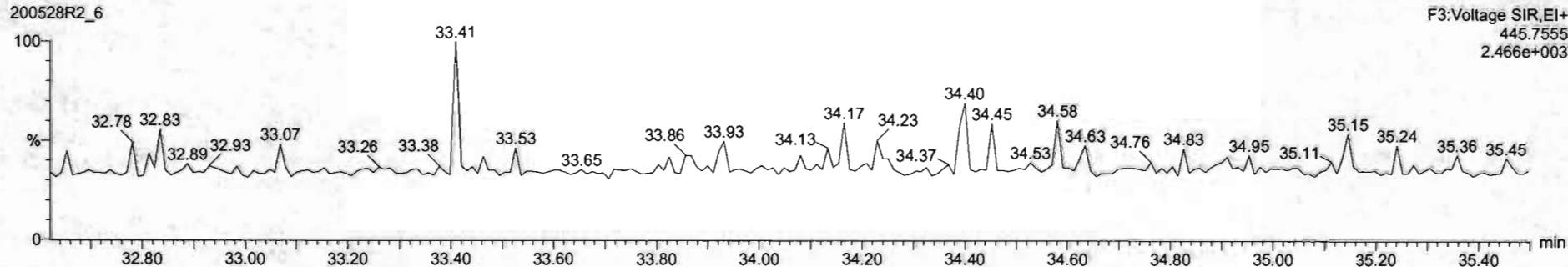


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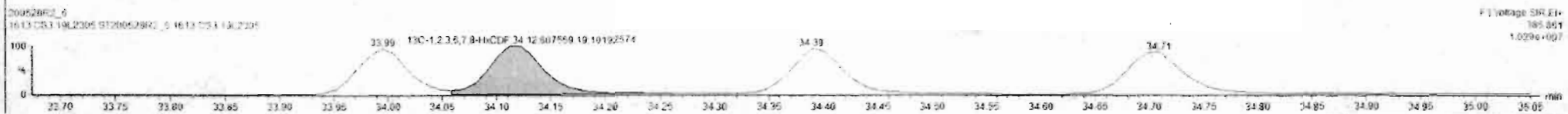
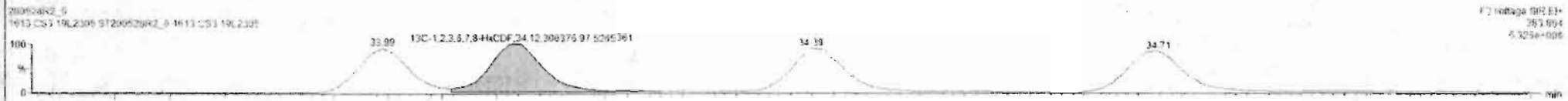


DPE3

200528R2_6



Name	Resp	RA	WV	RRF	WtVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.06e5	0.81	NO	0.6082	1.000	26.55	1.001	102	102	0.0664	10.2
2 1,2,3,7,8-PeCDD	1.56e5	0.82	NO	0.6081	1.000	31.53	1.001	51.3	103	0.194	51.3
3 1,2,3,4,7,8-HxCDD	0.25e5	1.23	NO	1.0334	1.000	34.89	1.000	52.1	104	0.220	52.1
4 1,2,3,6,7,8-HxCDD	0.31e5	1.24	NO	0.8923	1.000	25.00	1.001	48.3	96.6	0.231	48.3
5 1,2,3,7,8,9-HxCDD	0.12e5	1.24	NO	0.9269	1.000	35.27	1.000	49.9	99.8	0.264	49.9
6 1,2,3,4,6,7,8-HpCDD	0.26e5	1.01	NO	0.8838	1.000	26.61	1.000	51.2	102	0.209	51.2
7 OCDD	1.53e5	0.86	NO	0.5136	1.000	41.78	1.000	102	102	0.290	102
8 2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9 1,2,3,7,8-PeCDF	0.72e5	1.57	NO	0.8925	1.000	30.25	1.000	51.2	102	0.139	51.2
10 1,2,3,4,7,8-HxCDF	0.91e5	1.57	NO	0.9248	1.000	31.22	1.000	50.3	101	0.130	50.3
11 1,2,3,4,7,8-HxCDF	0.56e5	1.21	NO	0.8845	1.000	34.01	1.000	51.1	102	0.191	51.1
12 1,2,3,6,7,8-HxCDF	0.42e5	1.25	NO	0.8092	1.000	34.13	1.000	51.9	104	0.170	51.9
13 2,3,4,6,7,8-HxCDF	1.58e5	1.25	NO	0.9241	1.000	34.72	1.000	51.9	104	0.197	51.9
14 1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8707	1.000	35.83	1.000	51.1	102	0.201	51.1
15 1,2,3,4,6,7,8-HpCDF	2.64e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
18 1,2,3,4,7,8,9-HpCDF	0.20e5	0.86	NO	1.0100	1.000	39.34	1.000	52.7	105	0.268	52.7
17 OCDF	1.44e5	0.86	NO	0.8085	1.000	41.97	1.000	102	102	0.141	102
19 1,2,3,7,8-TCDF	1.16e5	0.79	NO	1.1583	1.000	26.56	1.026	101	101	0.0890	
13C 1,2,3,7,8-PeCDD	0.48e5	0.64	NO	0.8490	1.000	31.50	1.215	100	100	0.235	
20 13C-1,2,3,7,8-HxCDD	0.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	
21 13C-1,2,3,7,8-HxCDD	0.15e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



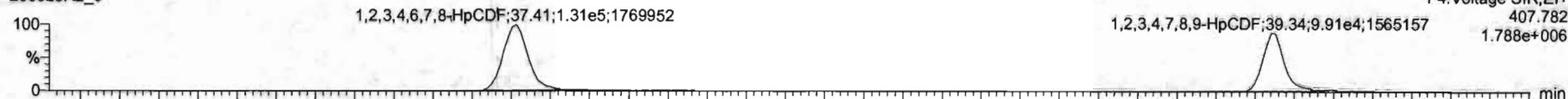
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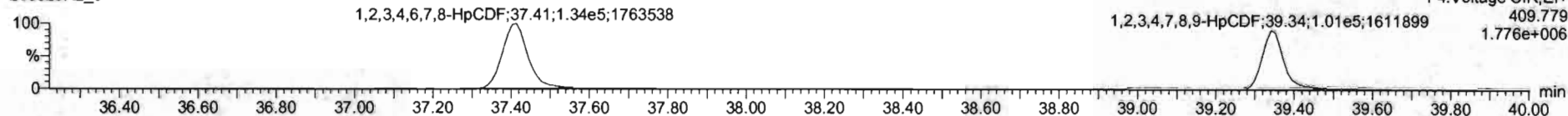
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1,2,3,4,6,7,8-HpCDF

200528R2_6

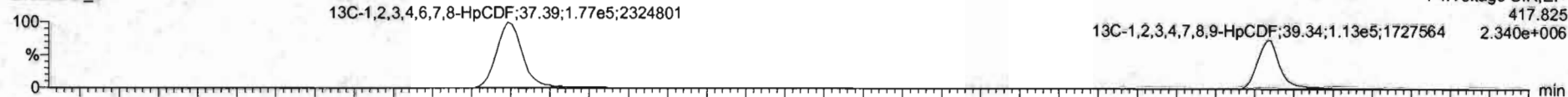


200528R2_6

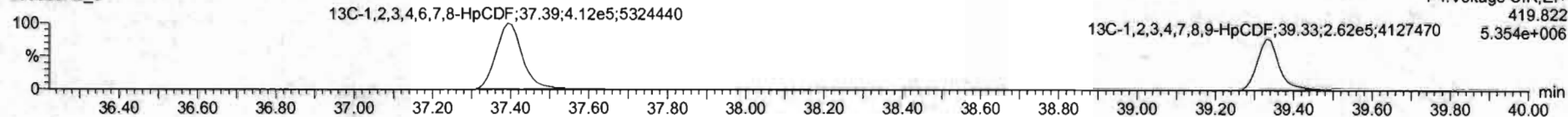


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200528R2_6

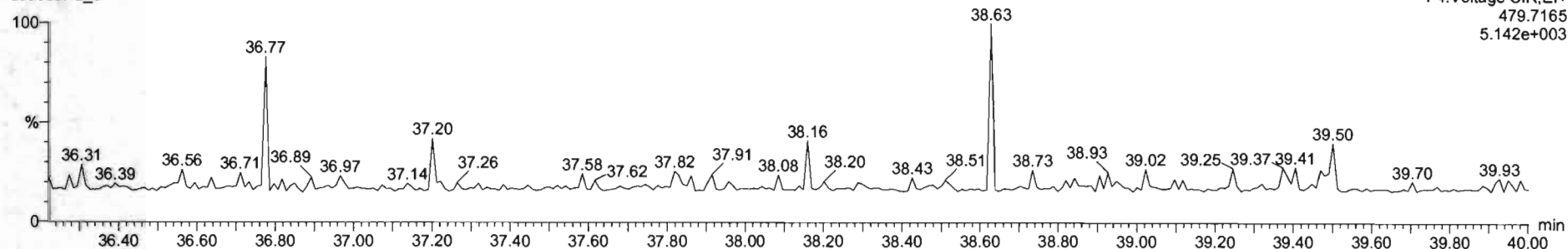


200528R2_6



DPE4

200528R2_6

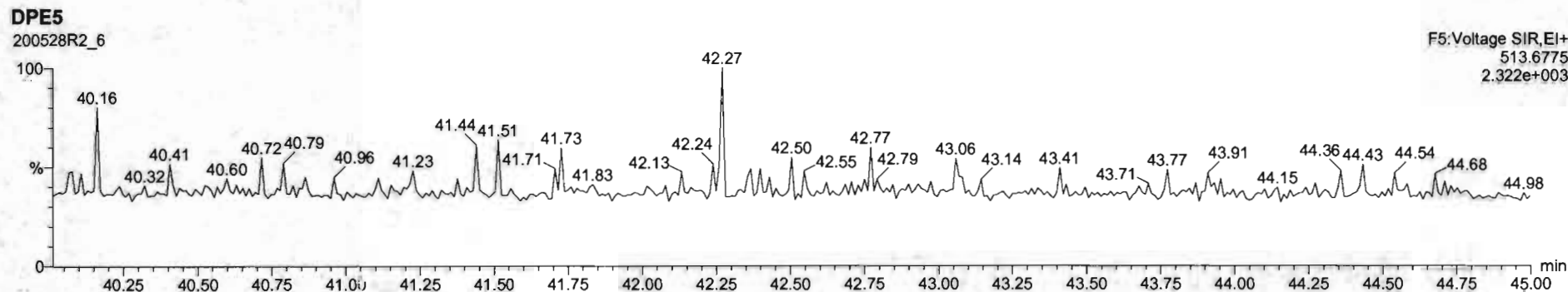
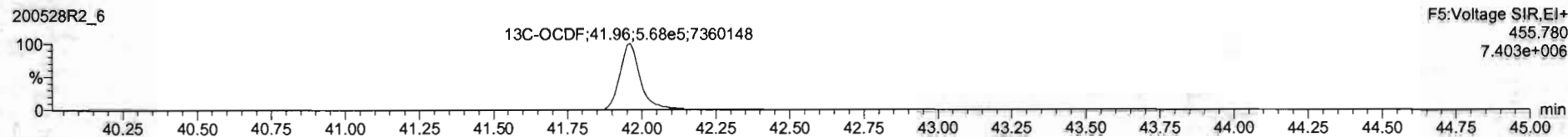
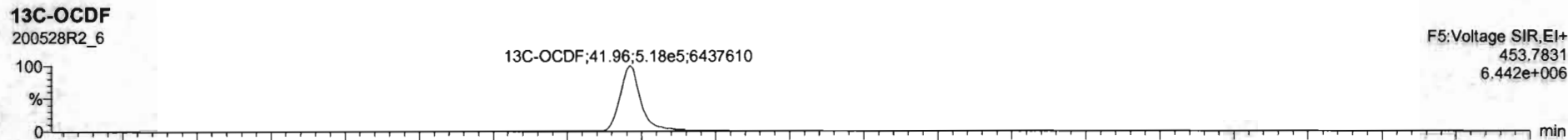
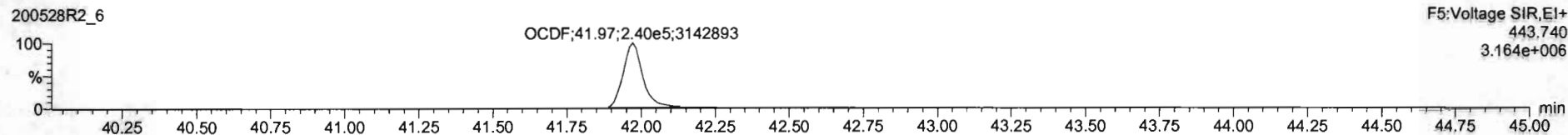
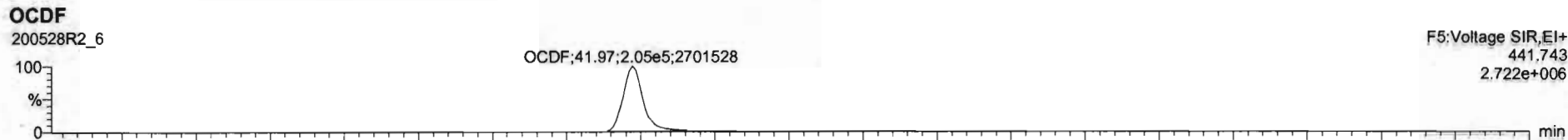


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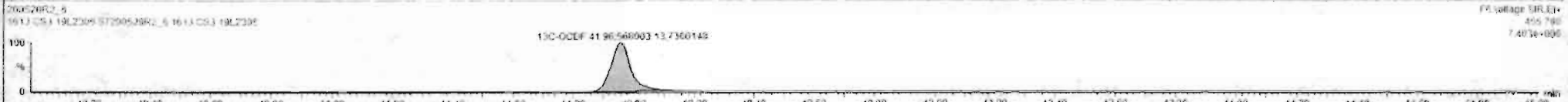
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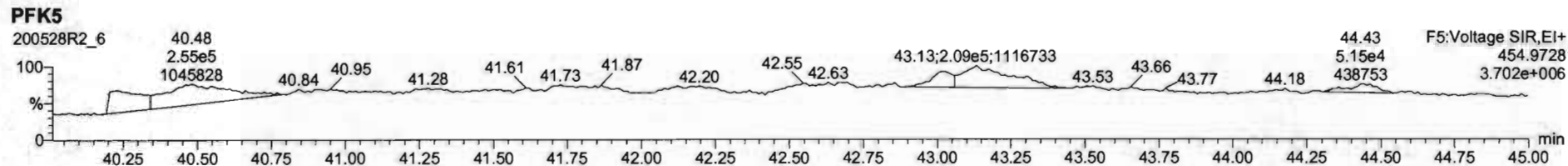
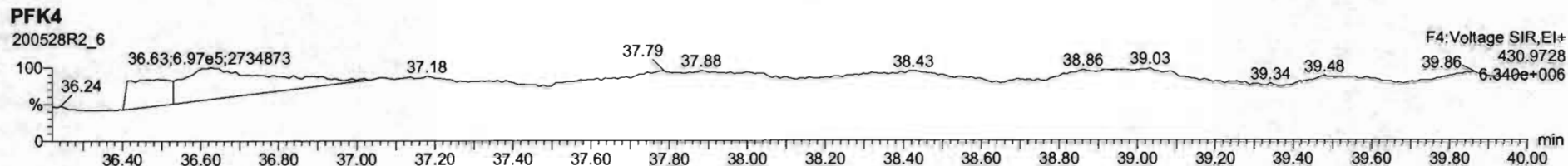
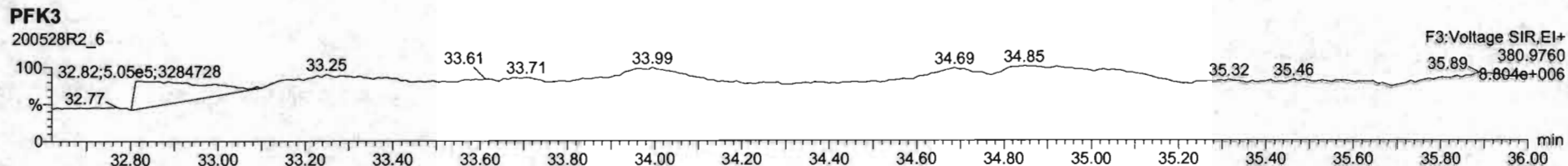
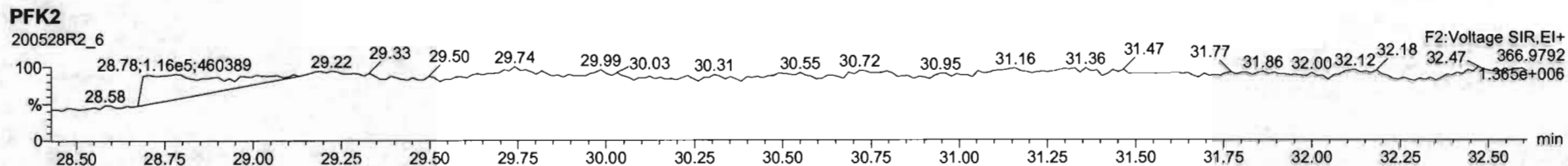
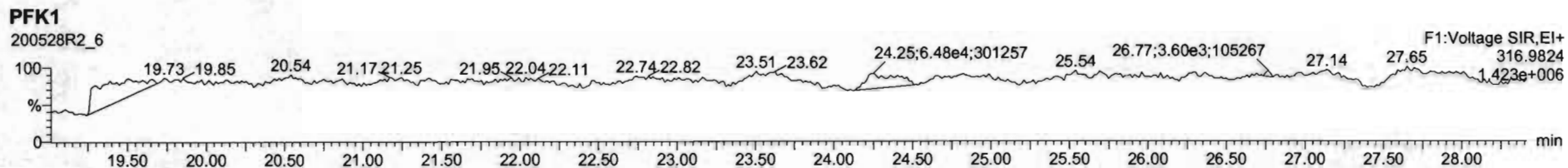
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2	1,2,3,7,8-PeCDD	3.56e5	0.62	NO	0.8091	1.000	31.53	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDD	0.25e5	1.23	NO	1.0334	1.000	34.99	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDD	0.51e5	1.38	NO	0.8921	1.000	35.00	1.001	48.3	96.6	0.231	48.3
5	1,2,3,7,8,9-HxCDD	0.12e5	1.24	NO	0.8265	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	1.06e5	1.01	NO	1.9839	1.000	36.91	1.000	73.2	102	0.109	73.2
7	OCDD	4.53e5	0.68	NO	0.9136	1.000	41.78	1.000	102	102	0.206	102
8	2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.98	99.8	0.0613	9.96
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.8925	1.000	30.24	1.000	51.2	102	0.139	51.2
10	1,2,3,4,7,8-HxCDF	0.61e5	1.57	NO	0.9349	1.000	31.22	1.000	40.3	101	0.150	40.3
11	1,2,3,4,7,8-HxCDF	3.56e5	1.31	NO	0.8545	1.000	34.81	1.000	51.1	103	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8282	1.000	34.13	1.000	51.9	104	0.176	51.9
13	2,3,4,6,7,8-HxCDF	3.08e5	1.25	NO	0.9341	1.000	34.72	1.000	51.8	104	0.187	51.8
14	1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8787	1.000	34.83	1.000	51.1	102	0.291	51.1
15	1,2,3,4,6,7,8-HpCDF	2.64e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
16	1,2,3,4,7,8,9-HpCDF	2.00e5	0.98	NO	1.0128	1.000	39.14	1.000	52.7	102	0.258	52.7
17	OCDF	4.44e5	0.85	NO	0.6085	1.000	41.97	1.000	102	102	0.191	102
18	13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.1523	1.000	26.19	1.024	101	101	0.0680	
19	13C-1,2,3,7,8-PeCDD	6.48e5	0.64	NO	0.8456	1.000	31.53	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HxCDD	0.64e5	1.27	NO	0.7790	1.000	34.98	1.014	98.9	98.9	0.168	
21	13C-1,2,3,6,7,8-HxCDD	0.15e5	1.23	NO	1.8187	1.000	34.97	1.017	102	102	0.144	



Dataset: Untitled

Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

Last Altered: Friday, May 29, 2020 7:44:05 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

GRB 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

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

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.888	1.000	26.575	26.57	1.001	1.001	11.080	111	0.0262	11.1
2	2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.908	1.000	31.518	31.51	1.001	1.000	56.429	113	0.0622	56.4
3	3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.03	1.000	34.879	34.88	1.000	1.000	58.033	116	0.101	58.0
4	4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.892	1.000	34.975	34.99	1.000	1.000	57.963	116	0.105	58.0
5	5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.887	1.000	35.262	35.26	1.000	1.000	57.107	114	0.119	57.1
6	6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.864	1.000	38.799	38.80	1.000	1.000	55.832	112	0.168	55.8
7	7 OCDD	5.15e5	0.88	NO	0.914	1.000	41.759	41.78	1.000	1.001	111.26	111	0.171	111
8	8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.751	1.000	25.671	25.68	1.001	1.001	11.386	114	0.0333	11.4
9	9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.893	1.000	30.236	30.23	1.001	1.001	55.728	111	0.0942	55.7
10	10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.935	1.000	31.222	31.21	1.001	1.000	60.229	120	0.0851	60.2
11	11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.884	1.000	33.984	33.99	1.000	1.000	55.936	112	0.113	55.9
12	12 1,2,3,6,7,8-HxCDF	5.08e5	1.18	NO	0.889	1.000	34.122	34.12	1.000	1.000	56.761	114	0.107	56.8
13	13 2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.934	1.000	34.732	34.71	1.001	1.000	56.468	113	0.117	56.5
14	14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.871	1.000	35.614	35.62	1.000	1.000	55.299	111	0.174	55.3
15	15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.873	1.000	37.430	37.40	1.001	1.000	54.506	109	0.182	54.5
16	16 1,2,3,4,7,8,9-HpCDF	2.38e5	1.00	NO	1.01	1.000	39.331	39.34	1.000	1.000	57.740	115	0.198	57.7
17	17 OCDF	5.22e5	0.87	NO	0.806	1.000	41.951	41.96	1.000	1.000	113.77	114	0.201	114
18	18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.16	1.000	26.584	26.54	1.026	1.025	91.859	91.9	0.0837	
19	19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.849	1.000	31.784	31.50	1.227	1.216	88.503	88.5	0.117	
20	20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.779	1.000	34.874	34.87	1.014	1.014	88.587	88.6	0.180	
21	21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.02	1.000	34.987	34.97	1.017	1.017	88.739	88.7	0.138	
22	22 13C-1,2,3,7,8,9-HxCDD	7.39e5	1.24	NO	0.903	1.000	35.259	35.25	1.025	1.025	87.785	87.8	0.155	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.53e5	1.04	NO	0.689	1.000	38.787	38.79	1.128	1.128	86.116	86.1	0.160	
24	24 13C-OCDD	1.01e6	0.89	NO	0.652	1.000	41.813	41.76	1.216	1.214	166.64	83.3	0.212	
25	25 13C-2,3,7,8-TCDF	1.73e6	0.77	NO	1.06	1.000	25.623	25.65	0.989	0.990	90.815	90.8	0.116	
26	26 13C-1,2,3,7,8-PeCDF	1.35e6	1.61	NO	0.838	1.000	30.163	30.21	1.165	1.167	89.693	89.7	0.169	
27	27 13C-2,3,4,7,8-PeCDF	1.33e6	1.57	NO	0.817	1.000	31.119	31.19	1.202	1.204	90.666	90.7	0.174	
28	28 13C-1,2,3,4,7,8-HxCDF	8.51e5	0.51	NO	1.01	1.000	34.004	33.98	0.989	0.988	90.589	90.6	0.222	
29	29 13C-1,2,3,6,7,8-HxCDF	1.01e6	0.51	NO	1.17	1.000	34.127	34.11	0.992	0.992	92.509	92.5	0.191	
30	30 13C-2,3,4,6,7,8-HxCDF	8.50e5	0.51	NO	1.02	1.000	34.702	34.70	1.009	1.009	89.276	89.3	0.219	
31	31 13C-1,2,3,7,8,9-HxCDF	7.33e5	0.50	NO	0.860	1.000	35.603	35.61	1.035	1.036	91.476	91.5	0.260	

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

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Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.33e5	0.43	NO	0.774	1.000	37.353	37.39	1.086	1.087	87.682	87.7	0.235	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.07e5	0.42	NO	0.521	1.000	39.386	39.33	1.145	1.144	83.716	83.7	0.350	
34	34 13C-OCDF	1.14e6	0.88	NO	0.746	1.000	41.985	41.95	1.221	1.220	163.83	81.9	0.148	
35	35 37Cl-2,3,7,8-TCDD	1.28e5			1.04	1.000	26.615	26.57	1.028	1.026	10.416	104	0.0149	
36	36 13C-1,2,3,4-TCDD	1.19e6	0.81	NO	1.00	1.000	26.000	25.90	1.000	1.000	100.00	100	0.0967	
37	37 13C-1,2,3,4-TCDF	1.80e6	0.79	NO	1.00	1.000	24.360	24.22	1.000	1.000	100.00	100	0.123	
38	38 13C-1,2,3,4,6,9-HxCDF	9.32e5	0.51	NO	1.00	1.000	34.420	34.39	1.000	1.000	100.00	100	0.223	

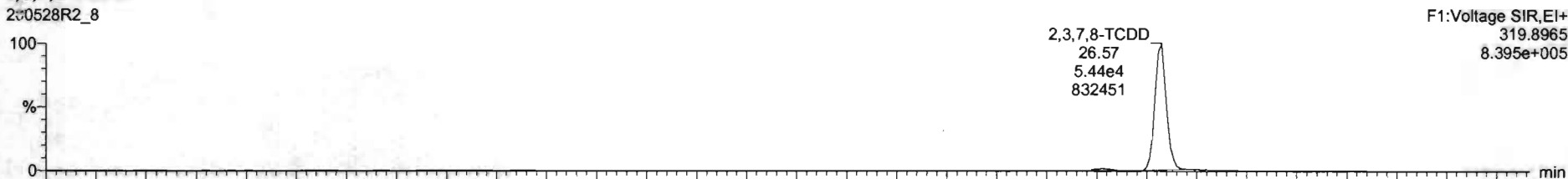
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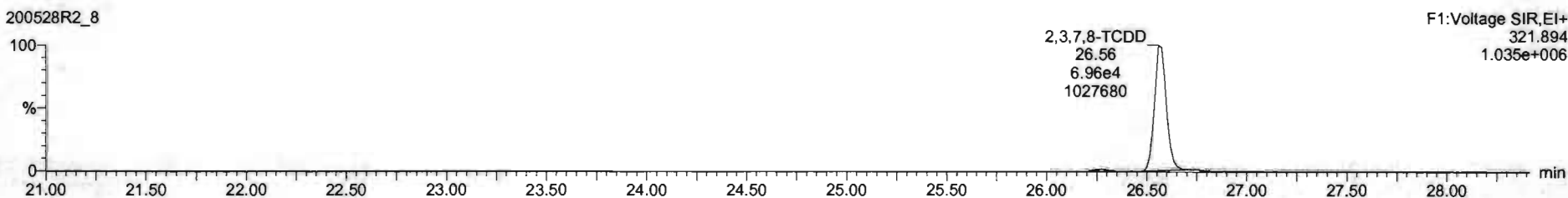
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

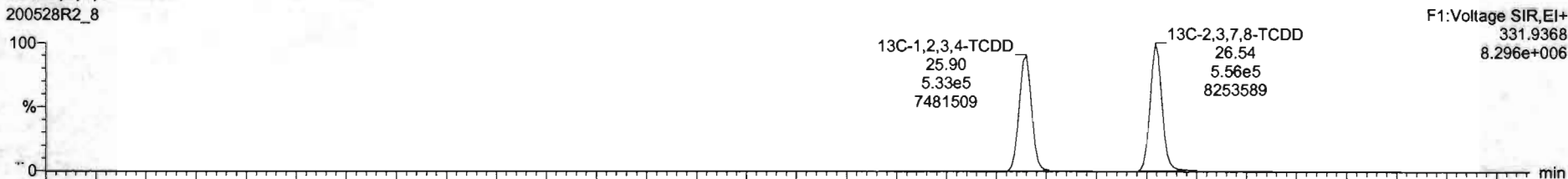
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200528R2_8



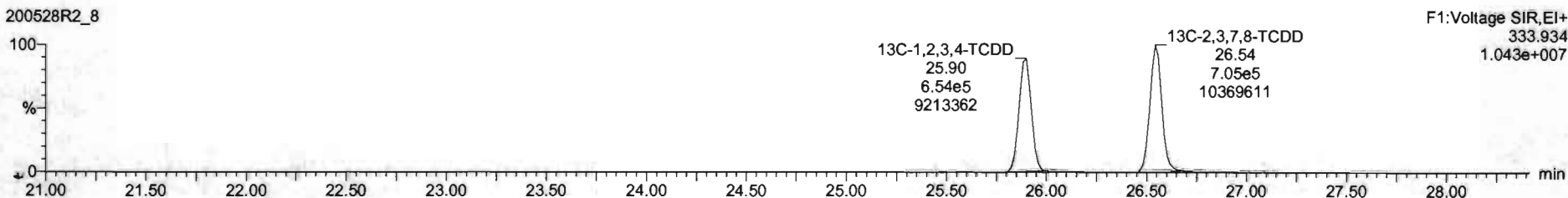
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200528R2_8



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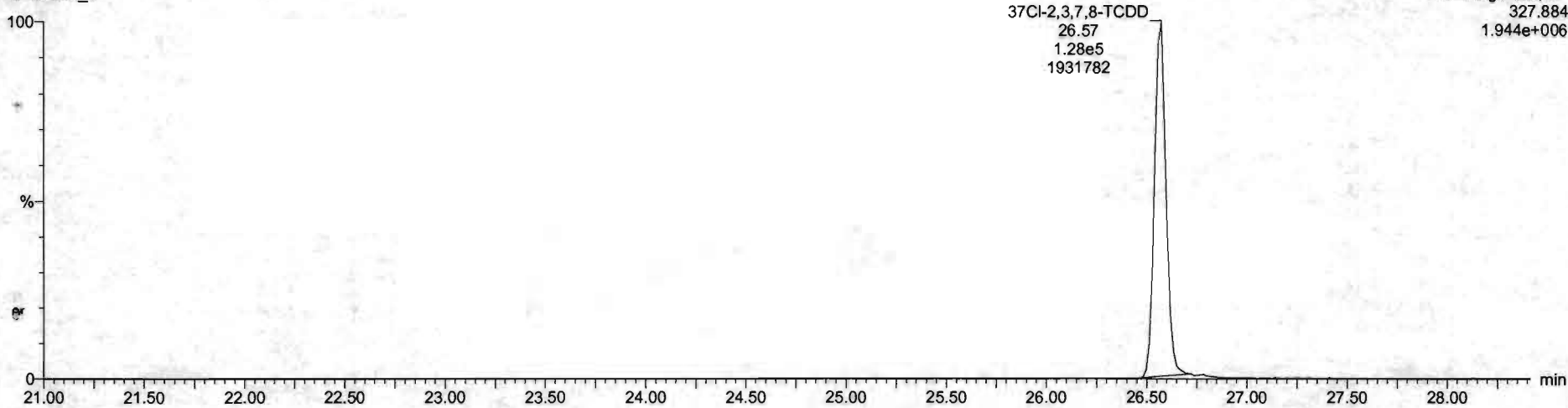
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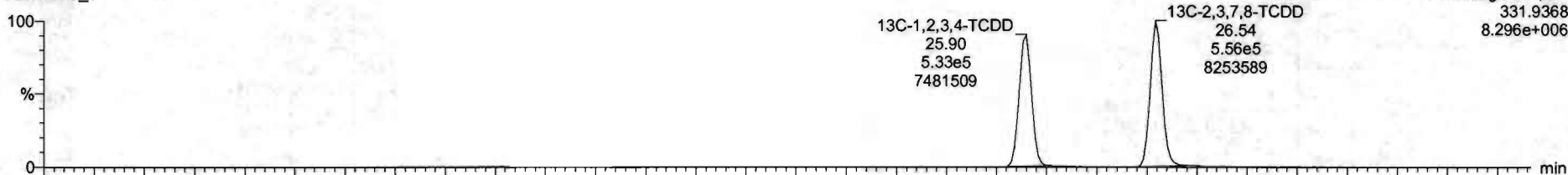
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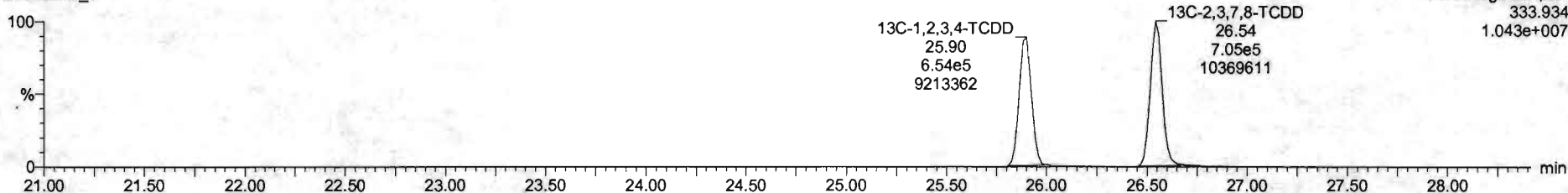


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200528R2_8



200528R2_8



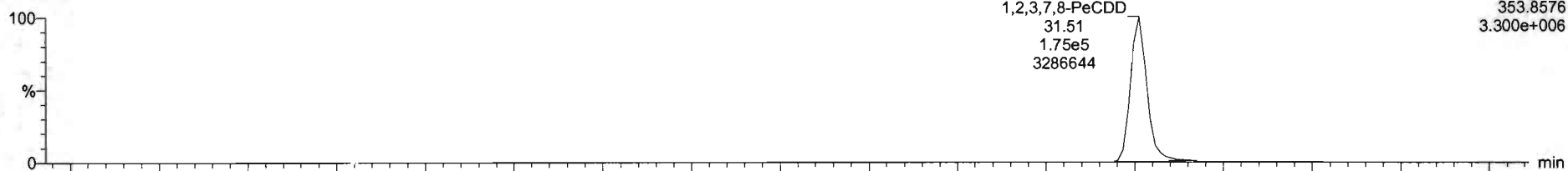
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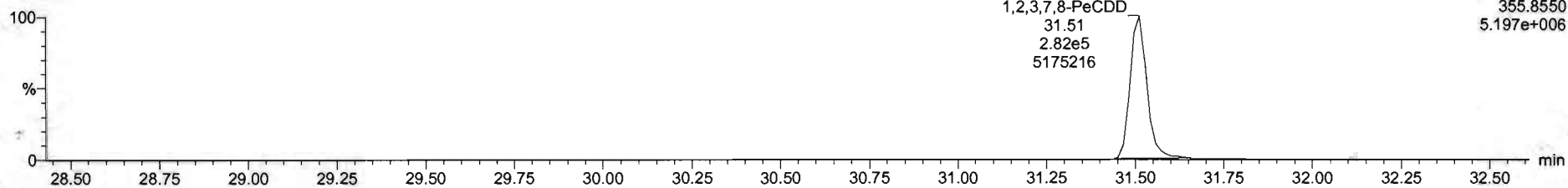
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1,2,3,7,8-PeCDD

200528R2_8

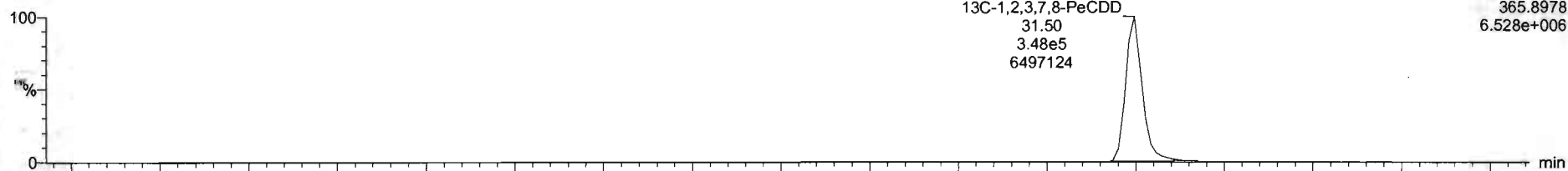


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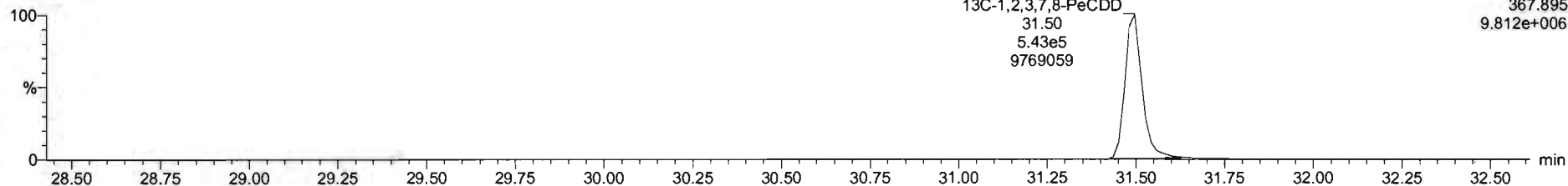


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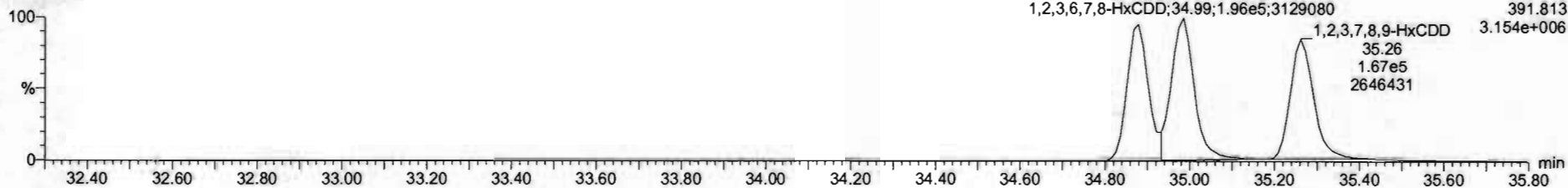
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1,2,3,4,7,8-HxCDD

200528R2_8

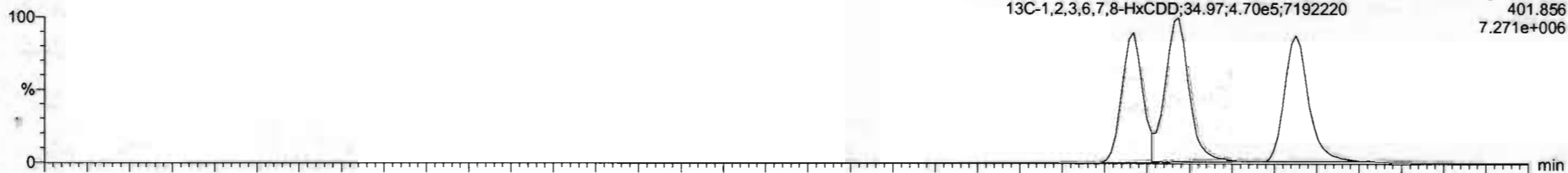


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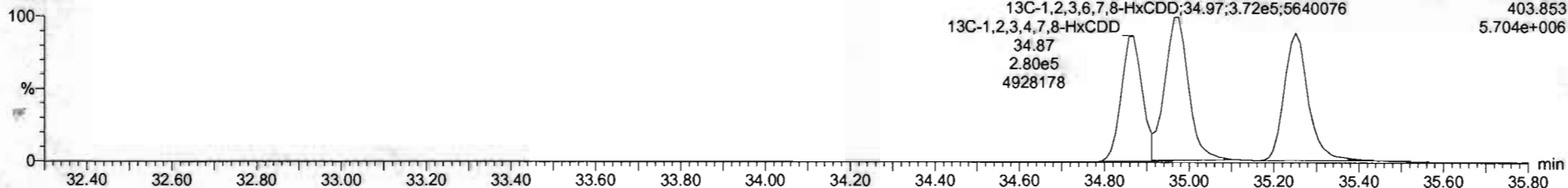


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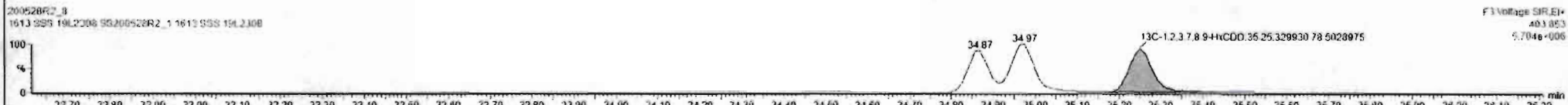
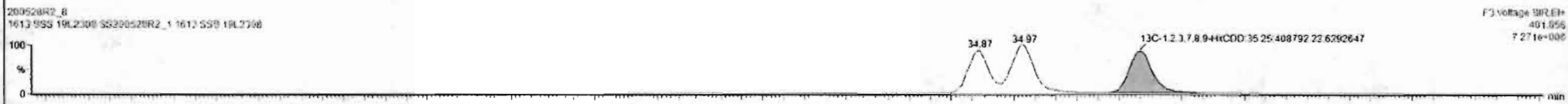
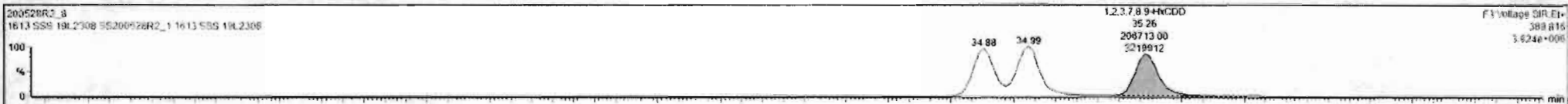
200528R2_8



200528R2_8



#	Name	Resp	RA	nby	RRF	wthvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.6883	1.000	26.57	1.001	11.1	111	0.0252	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	56.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.86	1.000	56.0	116	0.101	56.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.72	NO	0.8923	1.000	34.99	1.000	58.0	116	0.105	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.6969	1.000	35.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.57e5	1.02	NO	0.8639	1.000	36.50	1.000	55.6	112	0.160	55.6
7	OCDD	5.24e5	0.85	NO	0.9136	1.000	41.78	1.001	113	113	0.171	113
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0333	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	113	0.0942	55.7
10	2,3,4,7,8-PeCDF	7.62e5	1.54	NO	0.9348	1.000	21.21	1.000	62.1	124	0.0853	62.1
11	1,2,3,4,7,8-HxCDF	4.38e5	1.19	NO	0.8845	1.000	23.99	1.000	58.9	115	0.114	58.9
12	1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8892	1.000	34.12	1.000	59.1	116	0.108	59.1
13	2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14	1,2,3,7,8,9-HxCDF	3.52e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,5,7,8-HpCDF	3.16e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	115	0.186	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.190	59.2
17	OCDF	5.22e5	0.97	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1583	1.000	26.54	1.025	91.9	91.9	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7750	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.28	NO	1.0187	1.000	34.97	1.017	88.7	88.7	0.138	



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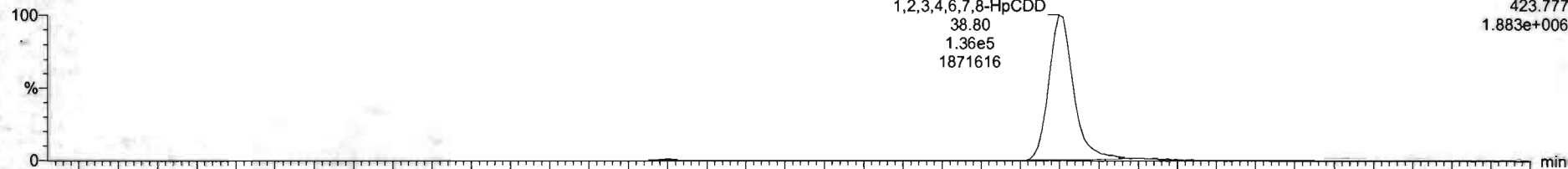
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

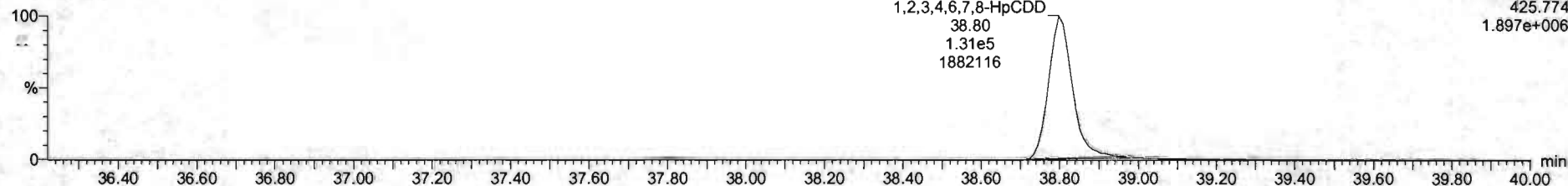
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200528R2_8



F4: Voltage SIR, EI+
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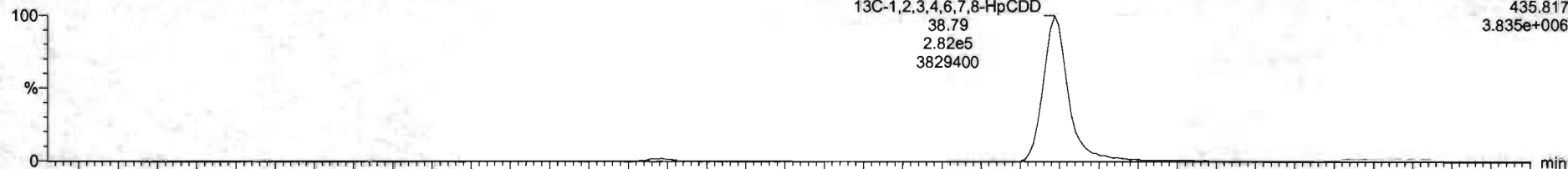
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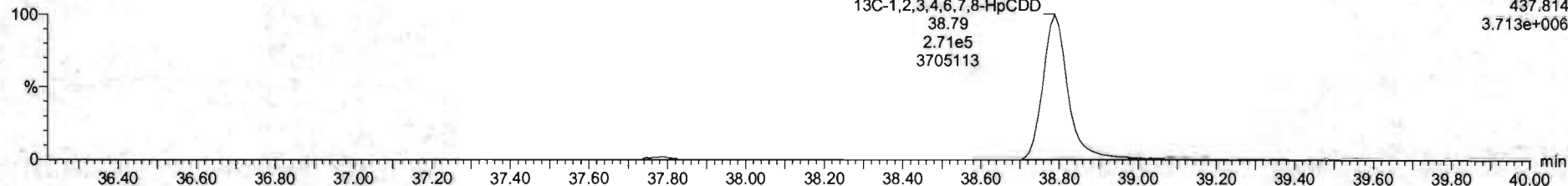
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200528R2_8



F4: Voltage SIR, EI+
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3.835e+006

200528R2_8



F4: Voltage SIR, EI+
437.814
3.713e+006

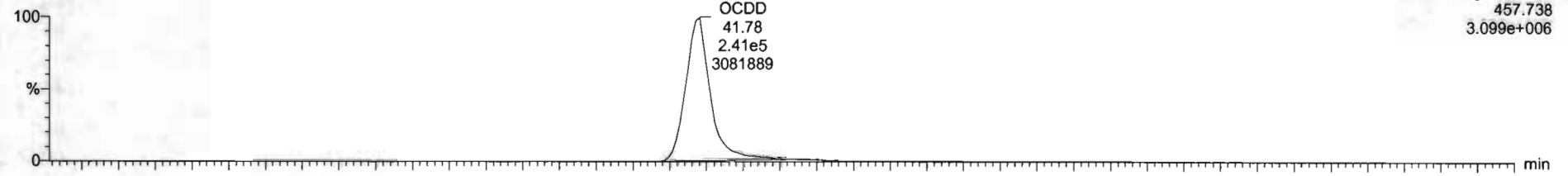
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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

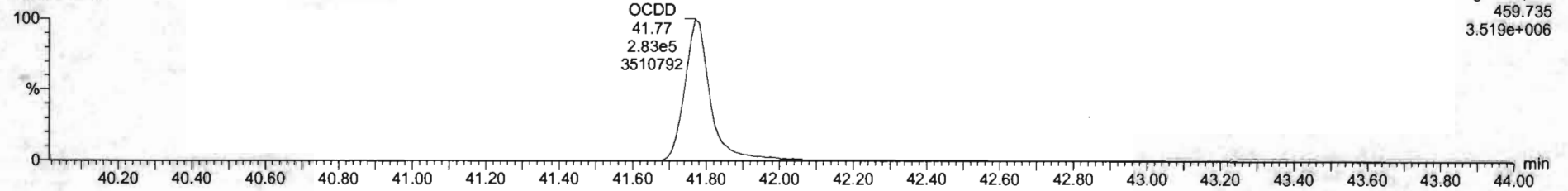
OCDD

200528R2_8



F5: Voltage SIR, EI+
457.738
3.099e+006

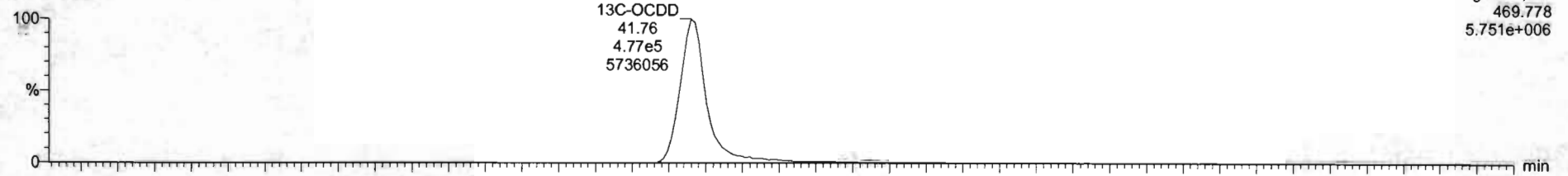
200528R2_8



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459.735
3.519e+006

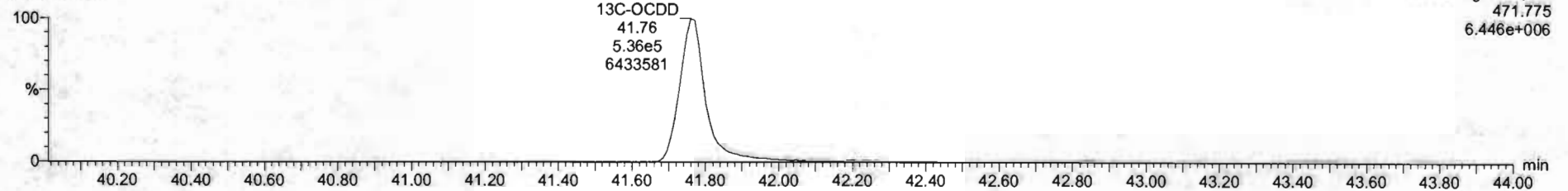
13C-OCDD

200528R2_8



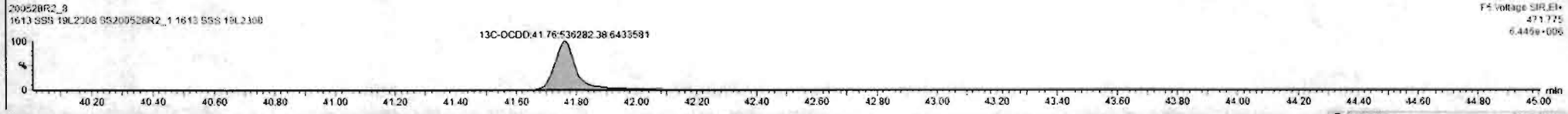
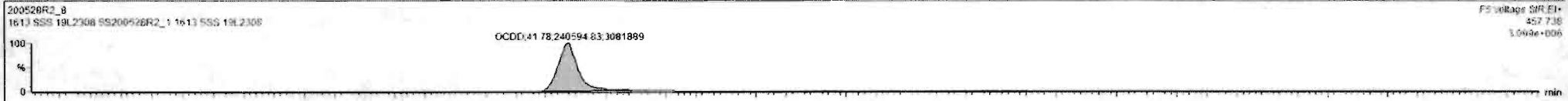
F5: Voltage SIR, EI+
469.778
5.751e+006

200528R2_8



F5: Voltage SIR, EI+
471.775
6.446e+006

Name	Resp	RA	dy	RRF	wtVol	RT	RRT	Conc	%Rec	OL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0252	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	56.1
3 1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.88	1.000	56.0	116	0.101	58.0
4 1,2,3,6,7,8-HxCDD	4.38e5	1.22	NO	0.8923	1.000	34.99	1.000	58.0	116	0.105	56.6
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	36.60	1.000	55.6	112	0.168	58.6
7 OCDD	5.15e5	0.88	NO	0.9138	1.000	41.78	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.46e5	0.75	NO	0.7510	1.000	25.88	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.77e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0642	55.7
10 2,3,4,7,8-PeCDF	7.62e5	1.54	NO	0.9348	1.000	31.21	1.000	62.1	124	0.0853	62.1
11 1,2,3,4,7,8-HxCDF	4.38e5	1.19	NO	0.8545	1.000	33.99	1.000	58.9	115	0.114	58.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8852	1.000	34.12	1.000	59.1	115	0.100	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.21	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	119	0.193	59.2
17 OCDF	5.22e5	0.87	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0627	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	86.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.136	



Dataset: Untitled

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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

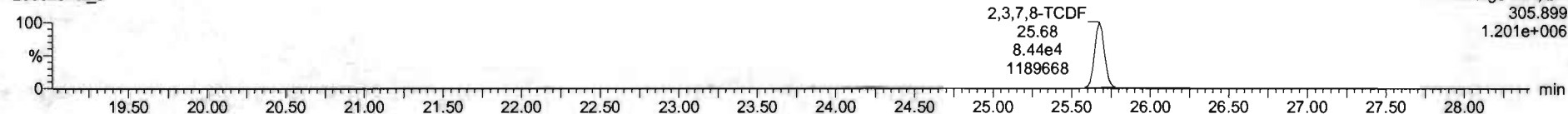
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDF

200528R2_8

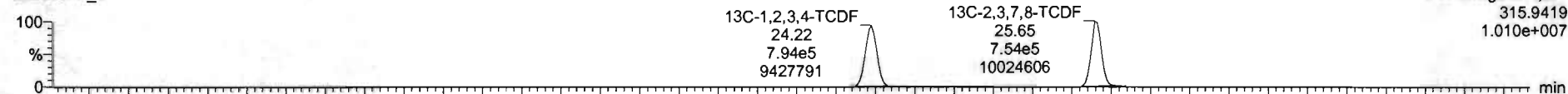


200528R2_8

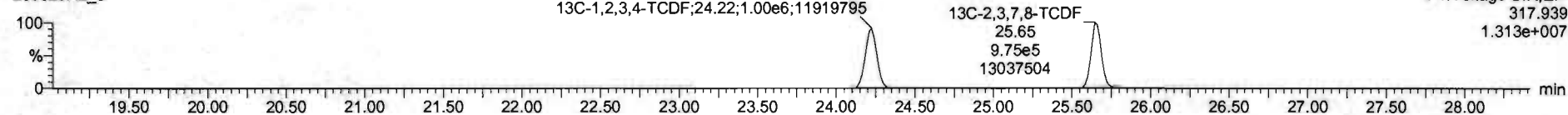


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200528R2_8

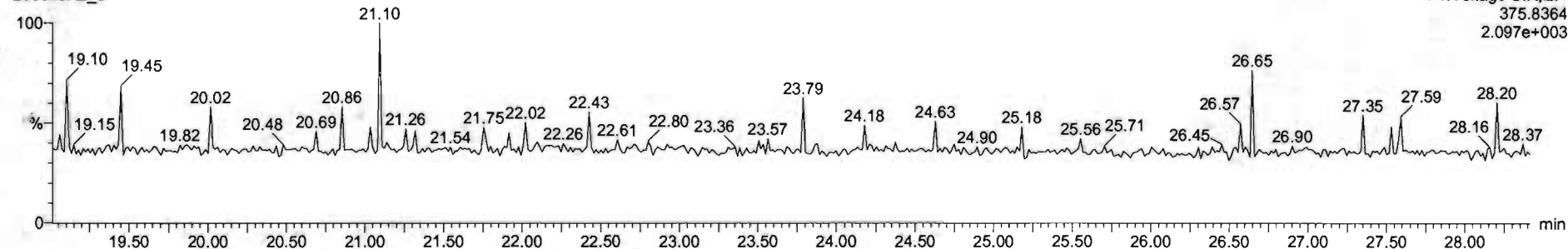


200528R2_8



DPE1

200528R2_8



Dataset: Untitled

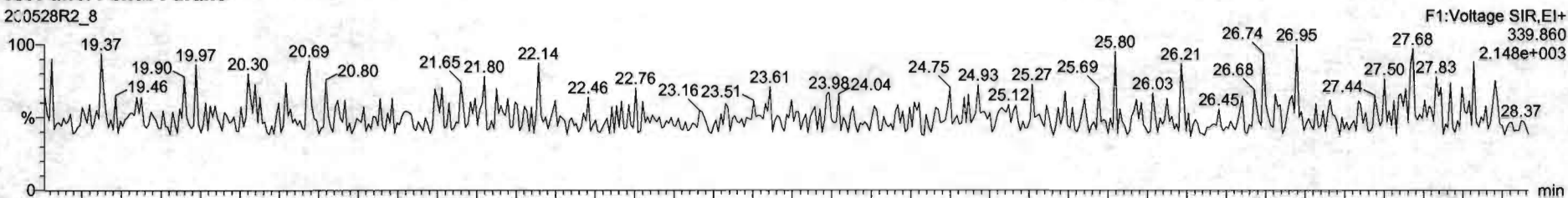
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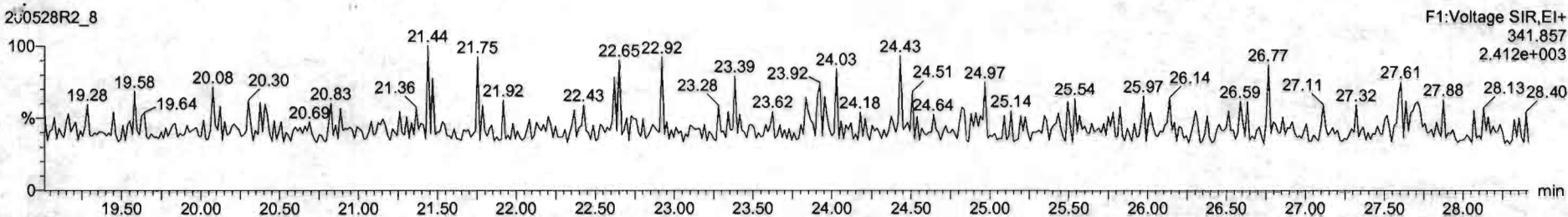
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

1st Func. Penta-Furans

200528R2_8

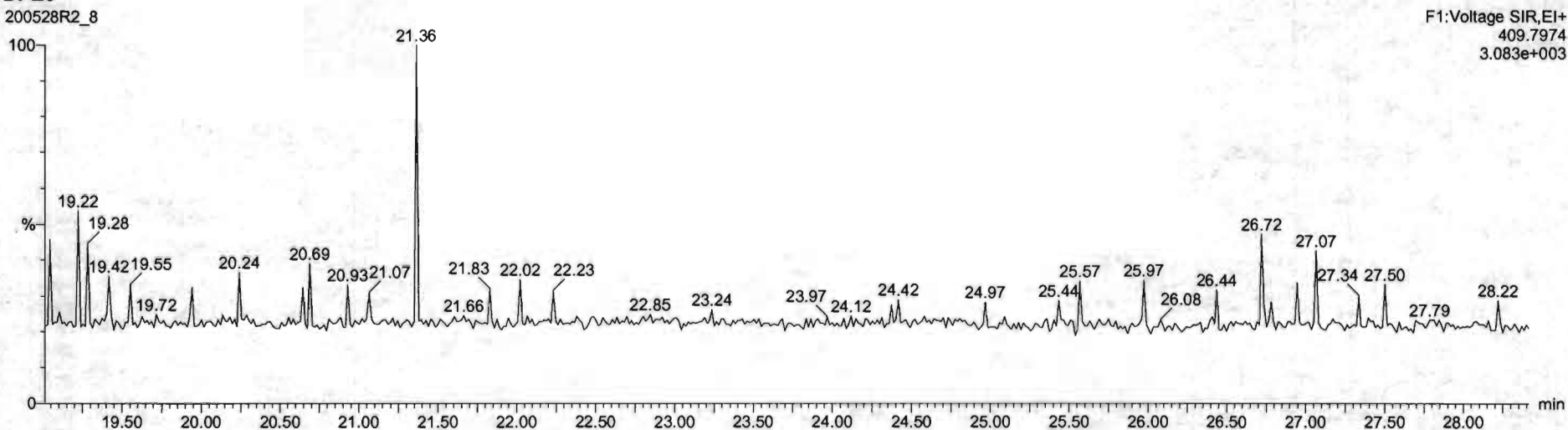


200528R2_8



DPE6

200528R2_8



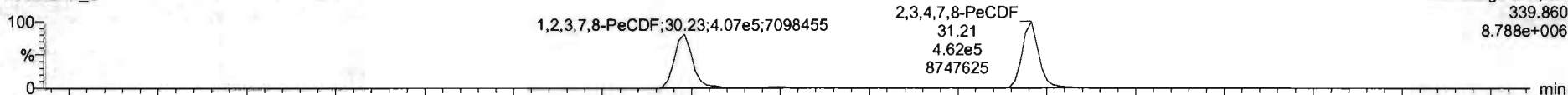
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

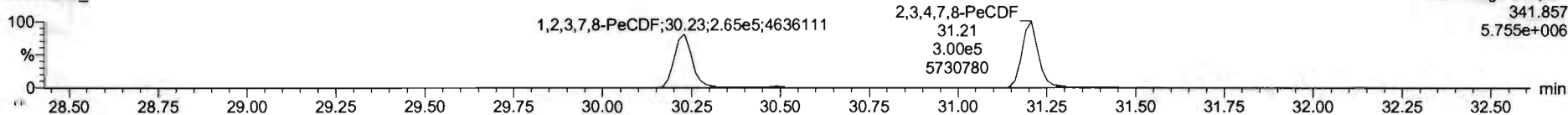
1,2,3,7,8-PeCDF

200528R2_8



F2:Voltage SIR,EI+
339.860
8.788e+006

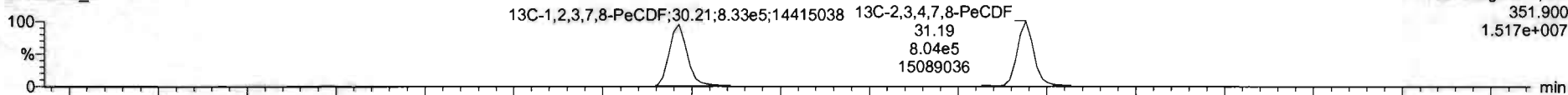
200528R2_8



F2:Voltage SIR,EI+
341.857
5.755e+006

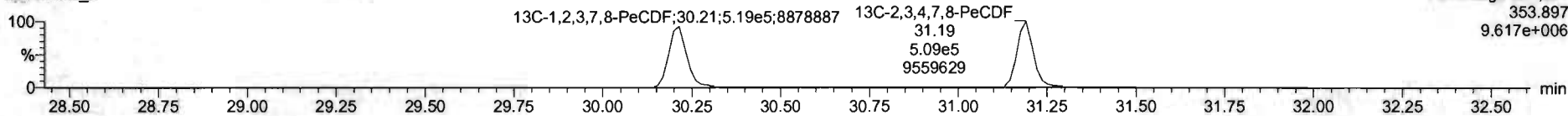
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200528R2_8



F2:Voltage SIR,EI+
351.900
1.517e+007

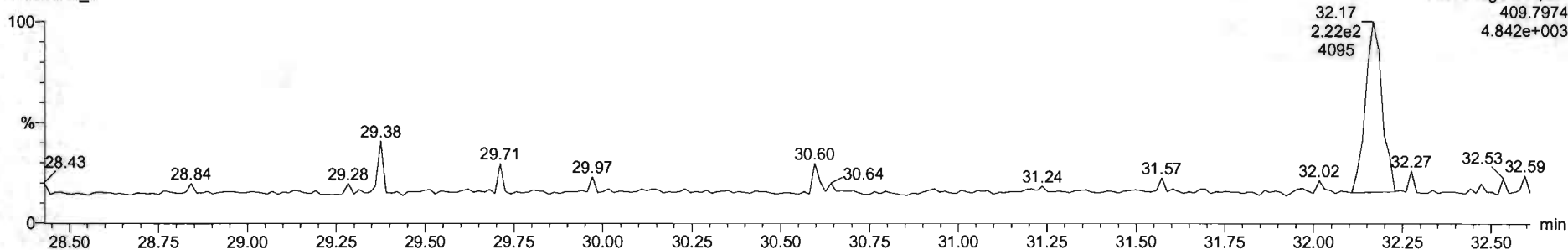
200528R2_8



F2:Voltage SIR,EI+
353.897
9.617e+006

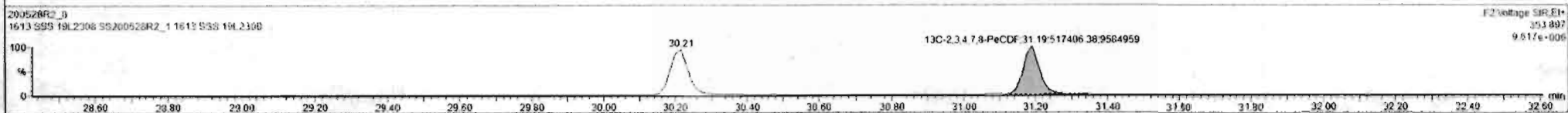
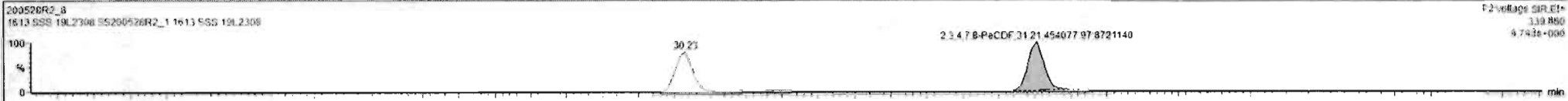
DPE2

200528R2_8



F2:Voltage SIR,EI+
409.7974
4.842e+003

Name	Resp	RA	nly	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.85	1.000	56.0	116	0.101	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8925	1.000	34.99	1.000	58.0	116	0.105	56.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8264	1.000	35.05	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.87e5	1.02	NO	0.8639	1.000	36.80	1.000	55.8	112	0.168	55.8
7 OCDD	5.15e5	0.38	NO	0.9136	1.000	41.75	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0323	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	20.23	1.001	55.7	111	0.0947	55.7
10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.9348	1.000	31.21	1.000	60.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.36e5	1.19	NO	0.8845	1.000	23.99	1.000	58.9	118	0.114	56.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8852	1.000	34.12	1.000	59.1	118	0.108	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0837	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	86.6	86.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.128	



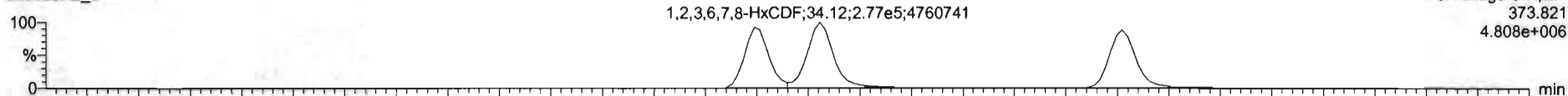
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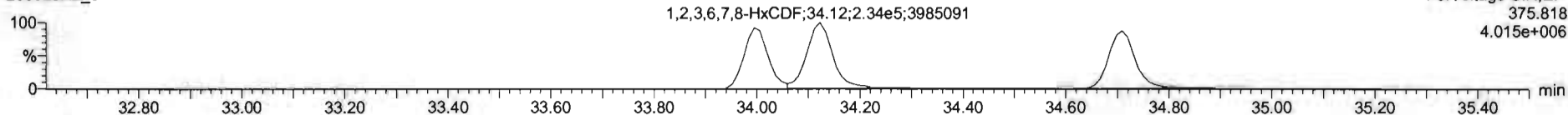
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200528R2_8

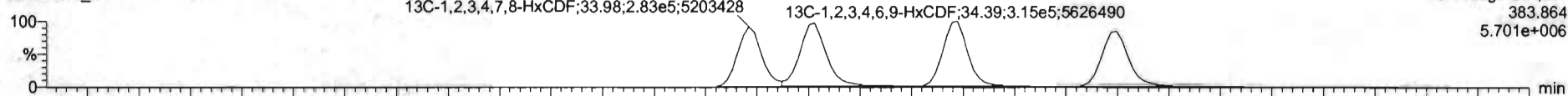


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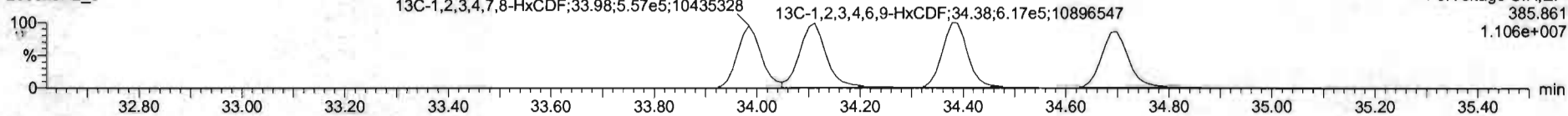


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200528R2_8

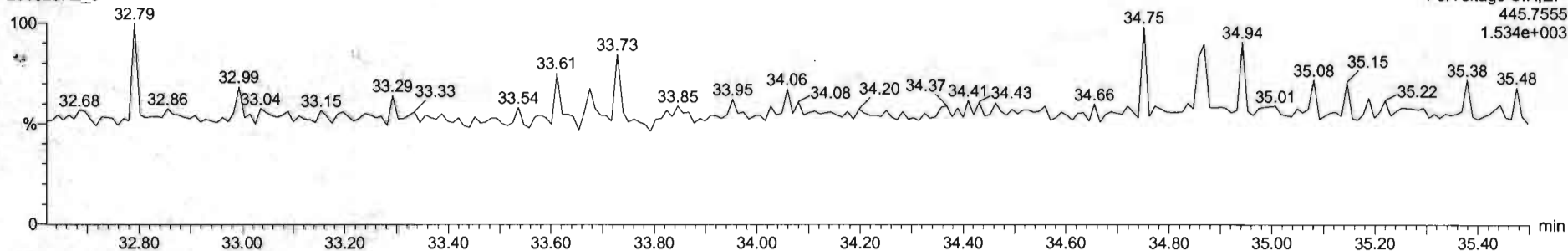


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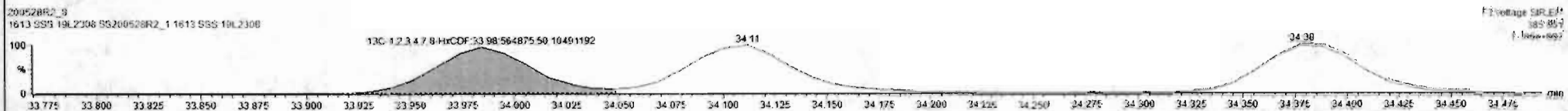
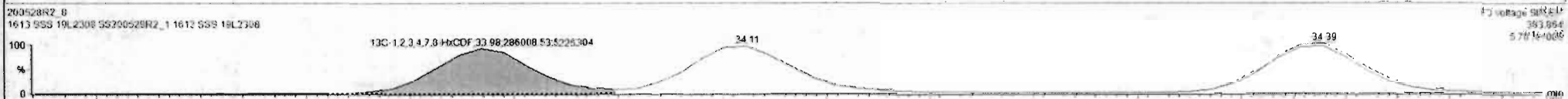
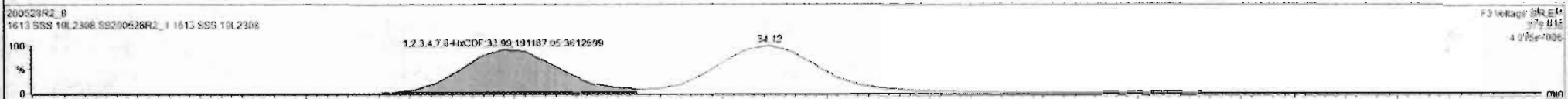
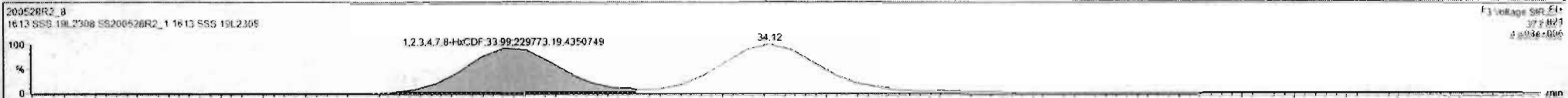


DPE3

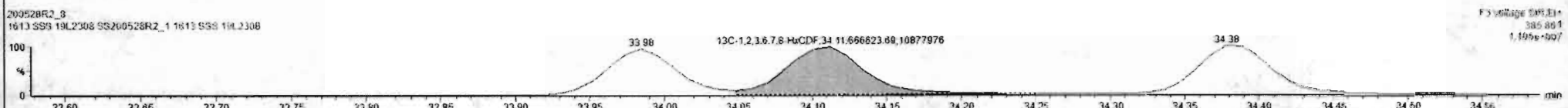
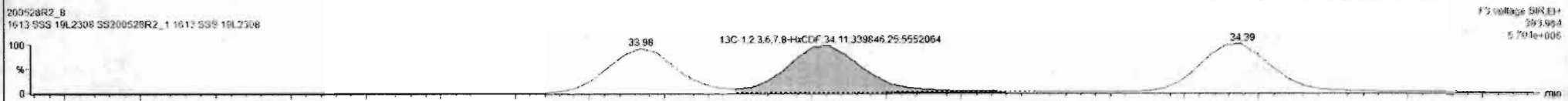
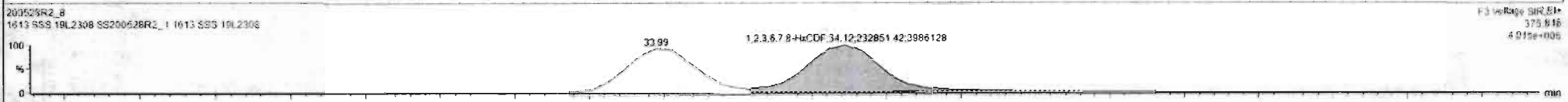
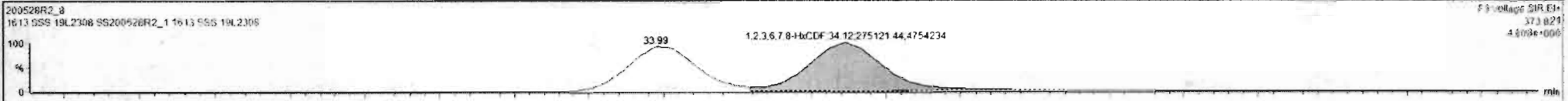
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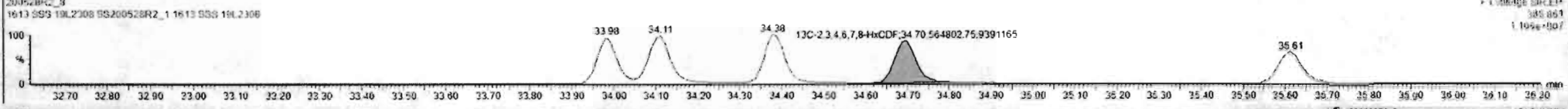
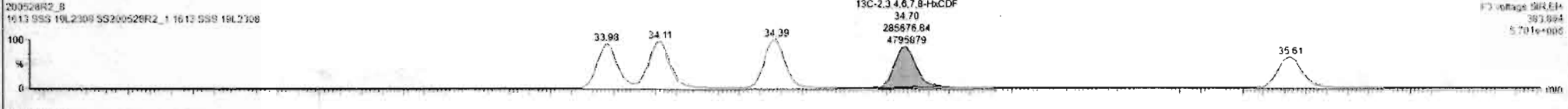
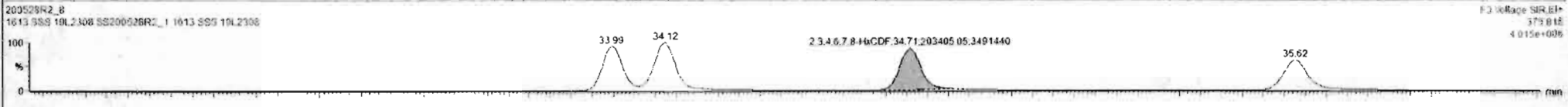
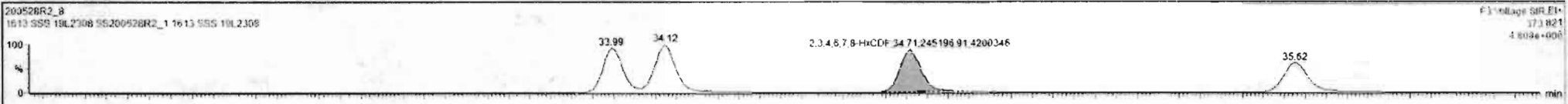
Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.8981	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.0334	1.000	24.86	1.000	56.0	116	0.1011	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8929	1.000	24.99	1.000	58.0	116	0.105	56.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8869	1.000	25.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	35.50	1.000	55.6	112	0.168	55.6
7 OCDD	5.15e5	0.68	NO	0.9136	1.000	41.75	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7519	1.000	25.65	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0942	55.7
10 1,2,3,4,7,8-HxCDF	7.50e5	1.54	NO	0.9346	1.000	21.21	1.000	60.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	23.99	1.000	55.9	112	0.113	55.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8882	1.000	24.12	1.000	59.1	118	0.108	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	24.71	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	25.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,5,7,8-HpCDF	3.16e5	1.01	NO	0.8734	1.000	27.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.199	59.2
17 OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1562	1.000	26.54	1.025	91.9	91.9	0.0837	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	86.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	85.6	88.6	0.160	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.36	NO	1.0187	1.000	24.97	1.017	88.7	88.7	0.128	



#	Name	Reap	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.67	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.53	1.000	56.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.0334	1.000	34.86	1.000	56.0	116	0.101	56.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8973	1.000	34.99	1.000	58.0	116	0.105	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8969	1.000	35.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,5,7,8-HpCDD	2.67e5	1.02	NO	0.8639	1.000	36.60	1.000	55.8	112	0.168	55.8
7	OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0333	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0542	55.7
10	1,2,3,7,8,9-HxCDF	7.50e5	1.54	NO	0.9348	1.000	21.21	1.000	60.2	120	0.0851	60.2
11	1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.6845	1.000	23.99	1.000	55.9	112	0.113	55.9
12	1,2,3,6,7,8-HxCDF	5.06e5	1.18	NO	0.6892	1.000	34.12	1.000	56.3	114	0.127	56.3
13	2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,5,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17	OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.76e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.5	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.176	



SI	Name	Resp	RA	Adj	RFI	WVol	RT	RRT	Conc	%Rec	DL	EMFC
1	2,3,7,8-TCDD	1.24e5	0.78	NO	0.8883	1.000	28.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	3.66e5	1.22	NO	1.0314	1.000	34.88	1.000	56.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	34.99	1.000	58.0	116	0.100	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8869	1.000	35.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.9039	1.000	38.80	1.000	55.8	112	0.160	55.8
7	OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.88	1.001	11.4	114	0.0333	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0942	55.7
10	1,2,3,4,7,8-HxCDF	7.50e5	1.54	NO	0.9148	1.000	31.21	1.000	60.2	120	0.0851	60.2
11	1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	33.99	1.000	55.9	112	0.113	55.9
12	1,2,3,6,7,8-HxCDF	5.08e5	1.16	NO	0.8852	1.000	34.12	1.000	56.8	114	0.107	56.8
13	2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.9341	1.000	34.71	1.000	56.5	113	0.117	56.5
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8797	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.196	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17	OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.75	NO	1.1583	1.000	28.54	1.025	91.9	91.9	0.0637	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.84	NO	0.8490	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0187	1.000	34.97	1.017	88.7	88.7	0.136	



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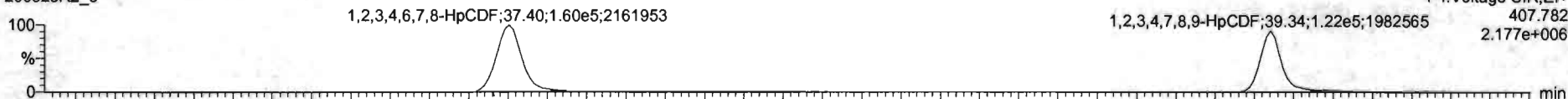
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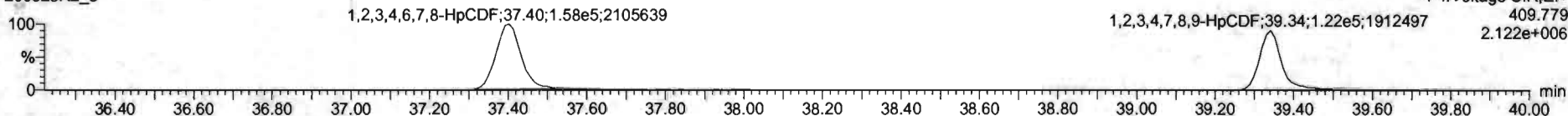
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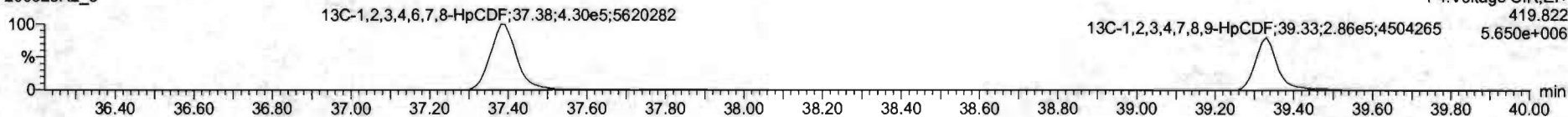


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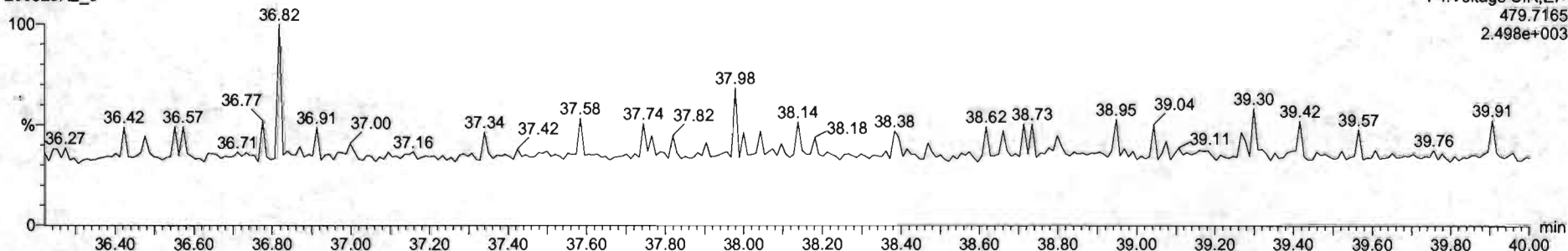


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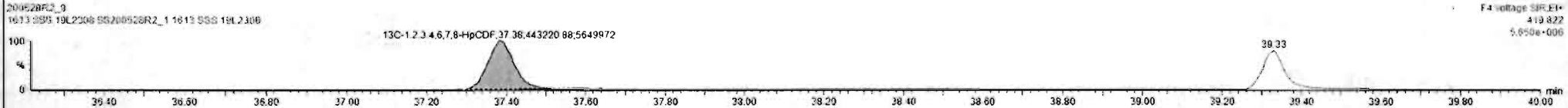
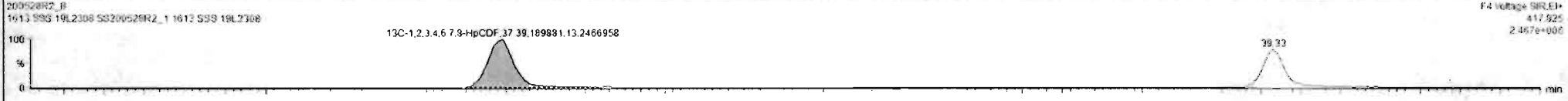
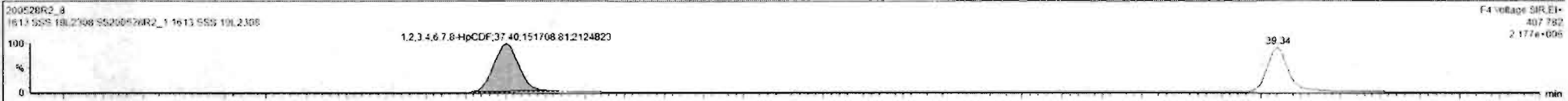


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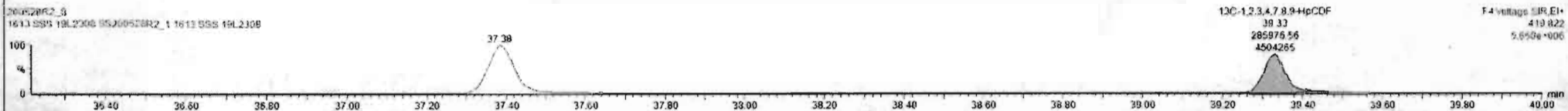
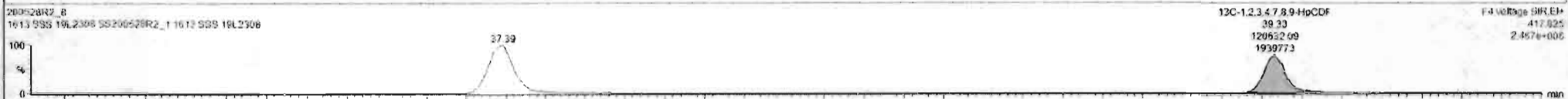
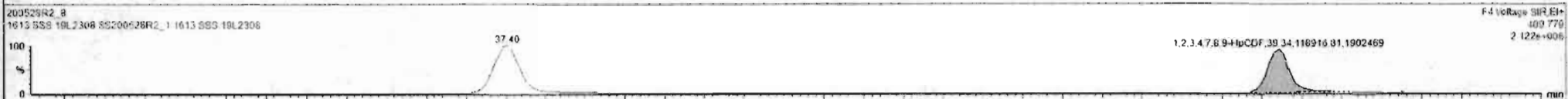
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Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0252	11.1
2 1,2,3,7,8-PeCDD	5.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	58.4
3 1,2,3,4,7,8-HxCDD	3.56e5	1.22	NO	1.0334	1.000	34.88	1.000	56.0	116	0.101	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8523	1.000	34.99	1.000	58.0	118	0.105	58.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	36.80	1.000	55.8	112	0.168	55.8
7 OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0533	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8025	1.000	30.23	1.001	25.7	111	0.0542	55.7
10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.9348	1.000	31.21	1.000	50.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	33.95	1.000	55.9	112	0.113	55.9
12 1,2,3,6,7,8-HxCDF	5.08e5	1.18	NO	0.8862	1.000	34.12	1.000	56.8	114	0.107	56.8
13 2,3,4,6,7,8-HxCDF	4.45e5	1.21	NO	0.9341	1.000	34.71	1.000	56.5	113	0.117	56.5
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.8734	1.000	37.48	1.000	54.5	108	0.152	54.5
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.09	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.27e5	0.87	NO	0.8055	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e8	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0637	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	66.5	68.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.0167	1.000	34.97	1.017	86.7	86.7	0.138	



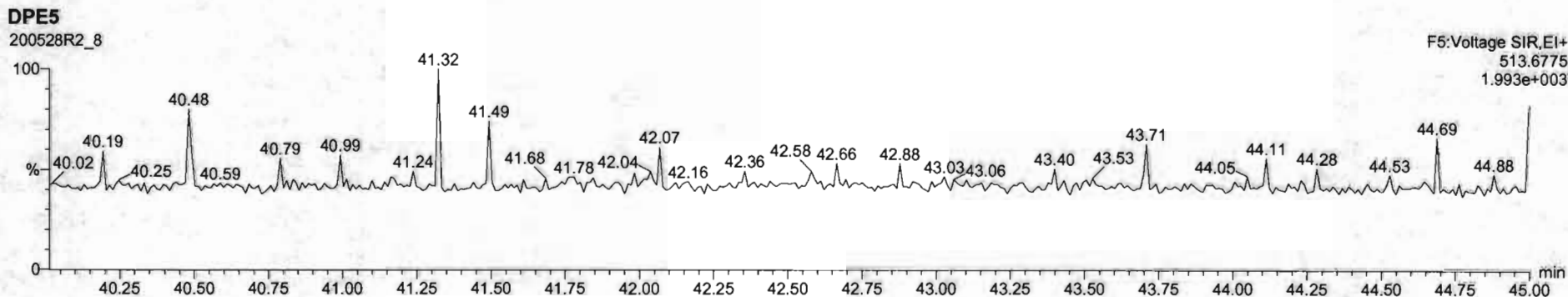
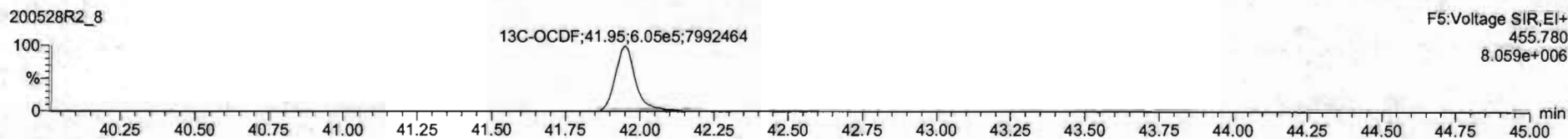
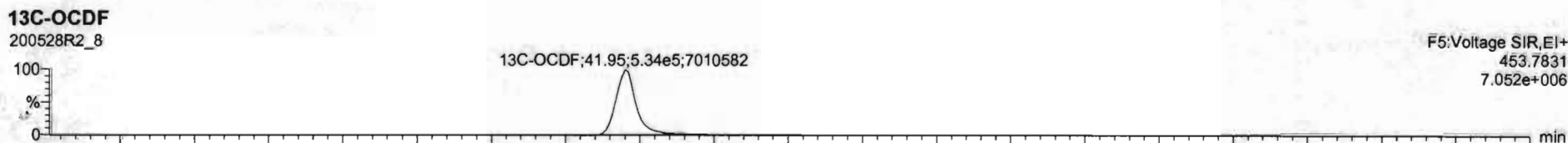
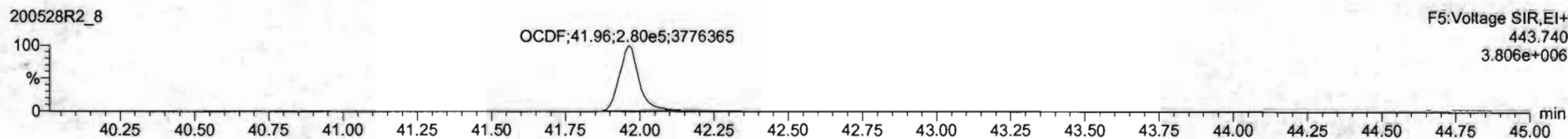
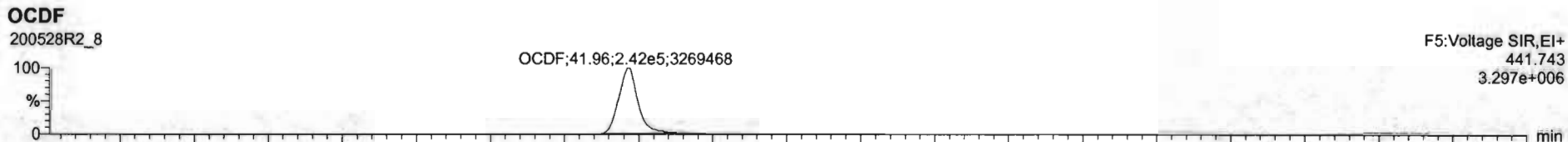
SL	Name	Resp	RA	nry	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.82	NO	0.9081	1.000	31.01	1.000	58.4	113	0.0622	58.4
3	1,2,3,4,7,8-HxCDD	2.56e5	1.22	NO	1.0334	1.000	24.86	1.000	58.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	24.99	1.000	58.0	116	0.105	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	26.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.61e5	1.03	NO	0.8639	1.000	26.60	1.000	55.6	112	0.168	55.6
7	OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.65	1.001	11.4	114	0.0303	11.4
9	1,2,3,7,8-PeCDF	4.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0642	55.7
10	2,3,4,7,8-PeCDF	7.58e5	1.54	NO	0.9346	1.000	31.21	1.000	50.2	126	0.0851	60.2
11	1,2,2',4',7,8-HxCDF	4.21e5	1.20	NO	0.8545	1.000	33.99	1.000	55.9	112	0.113	55.9
12	1,2,3,6,7,8-HxCDF	2.08e5	1.18	NO	0.8892	1.000	34.12	1.000	58.8	114	0.107	58.8
13	2,3,4,6,7,8-HxCDF	4.48e5	1.21	NO	0.9341	1.000	24.71	1.000	58.5	113	0.117	58.5
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	25.82	1.000	55.3	111	0.174	55.3
15	1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.8734	1.000	37.40	1.000	54.5	109	0.182	54.5
16	1,2,3,4,7,8,9-HpCDF	2.35e5	1.00	NO	1.0128	1.000	39.24	1.000	57.3	115	0.198	57.3
17	OCDF	5.27e5	0.67	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	86.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	88.6	88.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	24.97	1.017	88.7	88.7	0.138	



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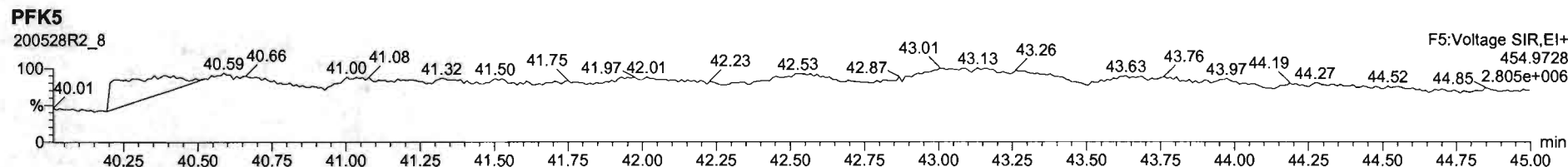
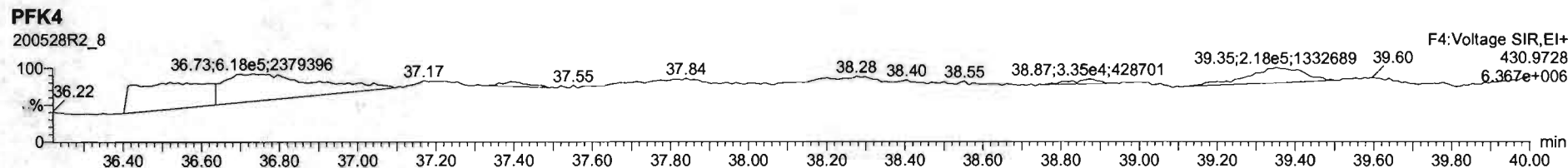
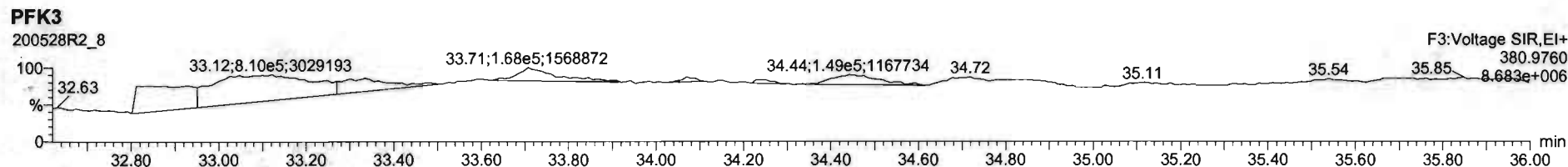
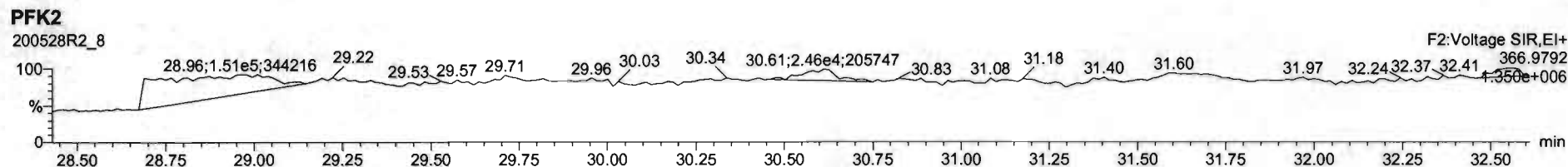
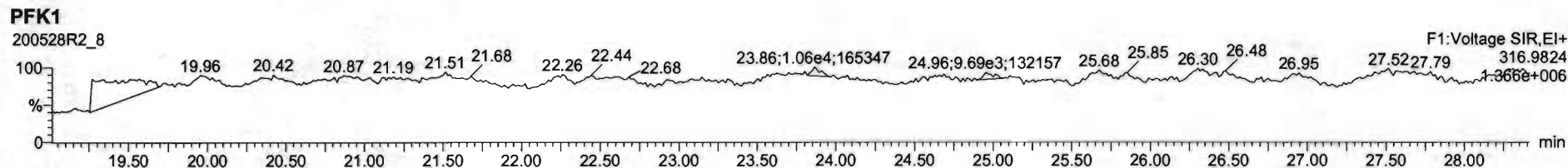
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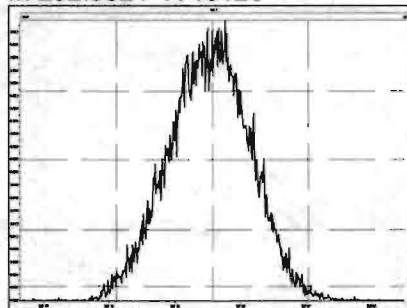
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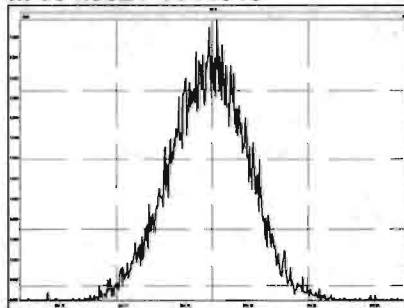
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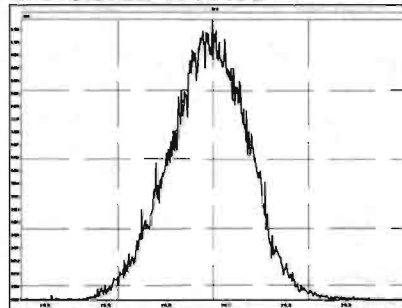
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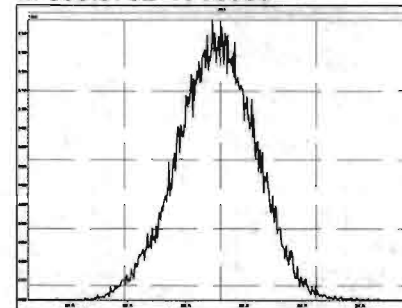
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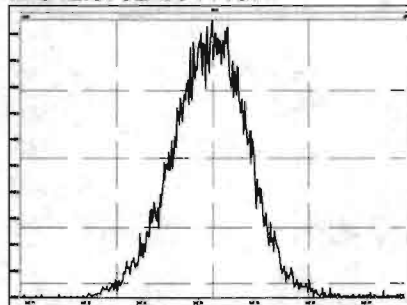
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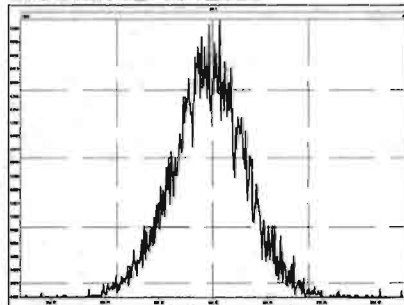
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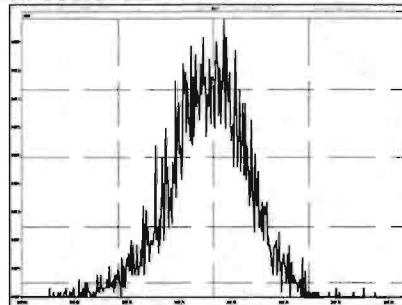
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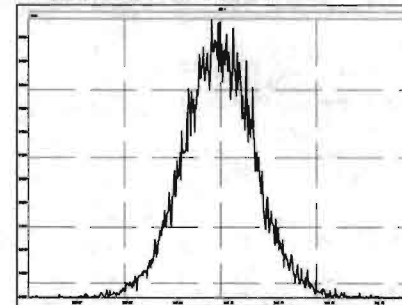
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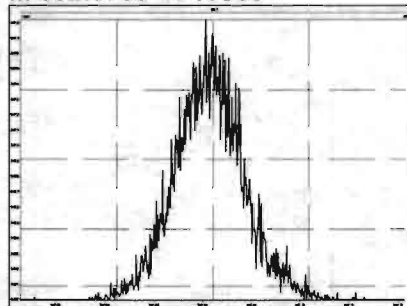
M 366.9792 R 12311



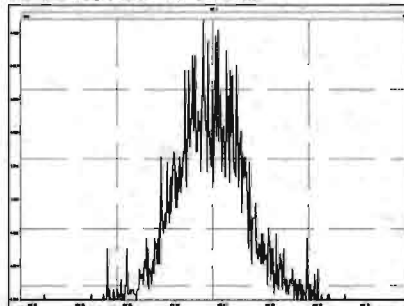
M 380.9760 R 11904



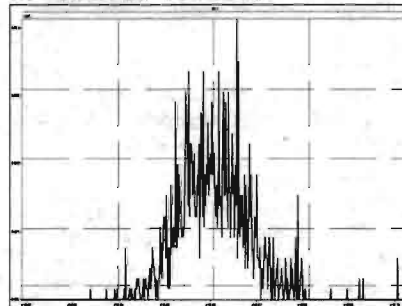
M 392.9760 R 13589



M 404.9760 R 14045



M 416.9760 R 18245



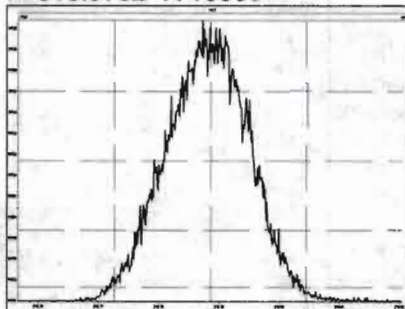
Experiment Calibration Report

MassLynx 4.1 SCN815

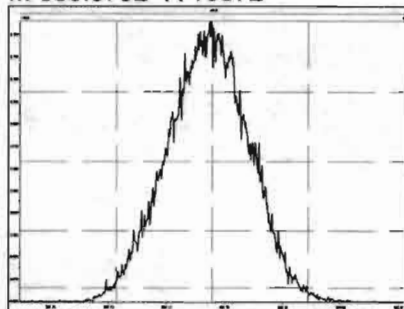
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:21 Pacific Daylight Time

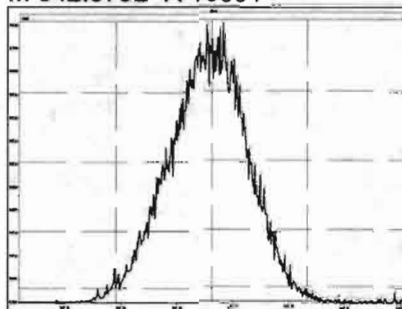
M 318.9792 R 10000



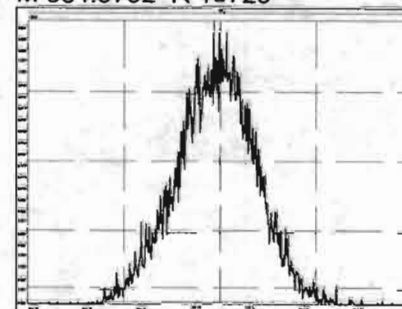
M 330.9792 R 10372



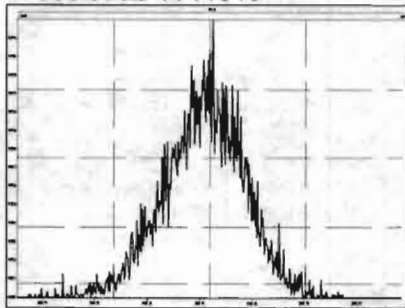
M 342.9792 R 10001



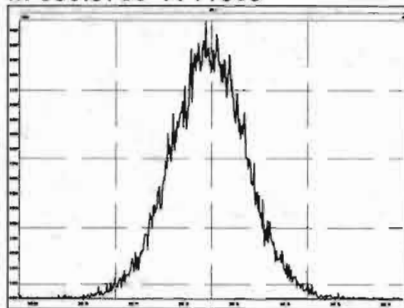
M 354.9792 R 10729



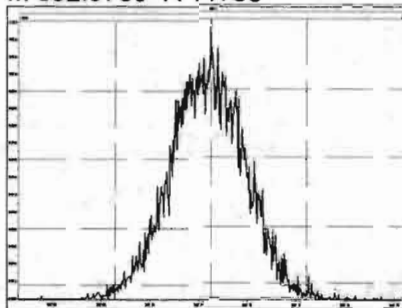
M 366.9792 R 11015



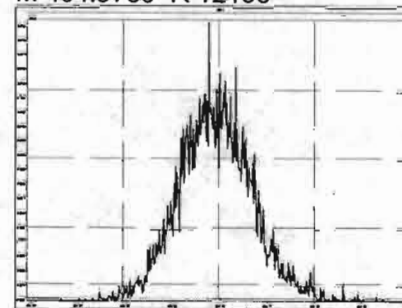
M 380.9760 R 11009



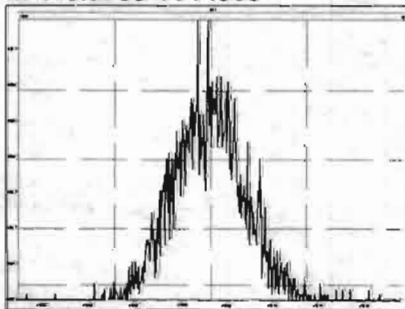
M 392.9760 R 11735



M 404.9760 R 12196



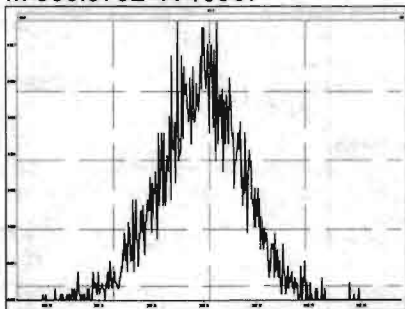
M 416.9760 R 14968



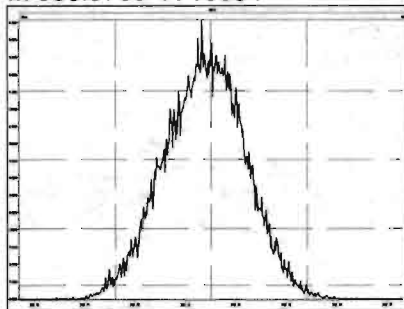
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:38 Pacific Daylight Time

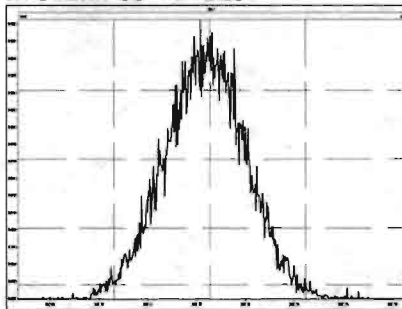
M 366.9792 R 10967



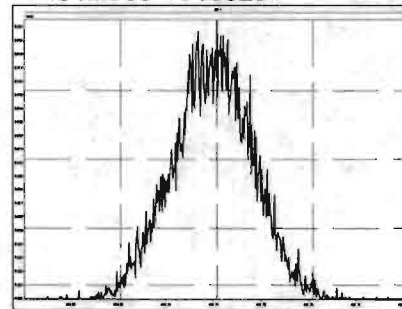
M 380.9760 R 10684



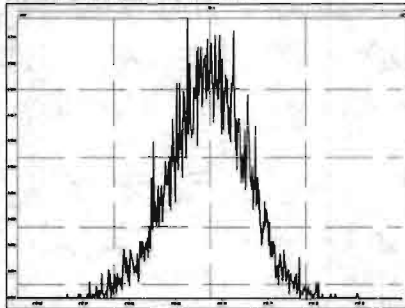
M 392.9760 R 10207



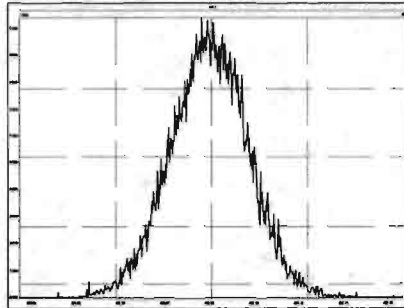
M 404.9760 R 10823



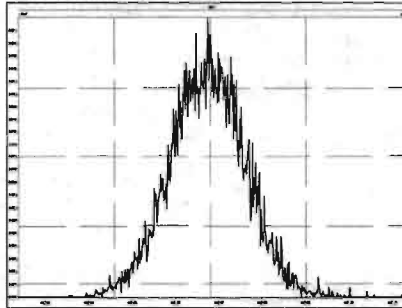
M 416.9760 R 11160



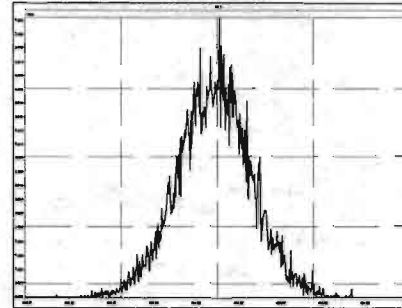
M 430.9728 R 11208



M 442.9728 R 12195



M 454.9728 R 10963



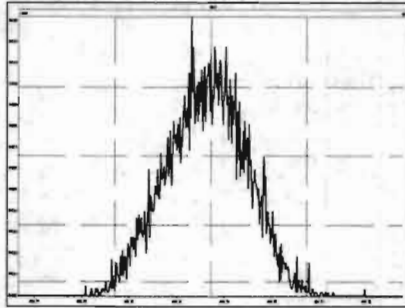
Experiment Calibration Report

MassLynx 4.1 SCN815

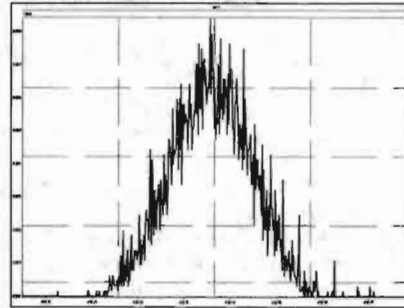
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:53 Pacific Daylight Time

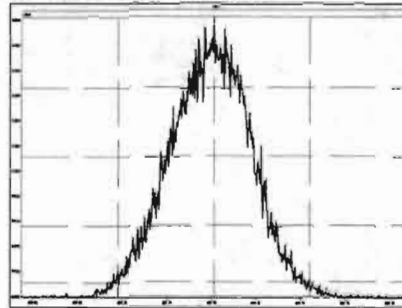
M 404.9760 R 10963



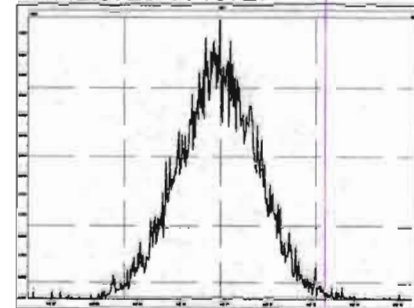
M 416.9760 R 10593



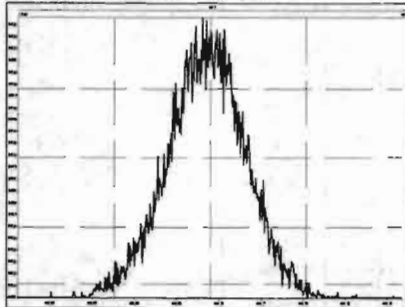
M 430.9728 R 10372



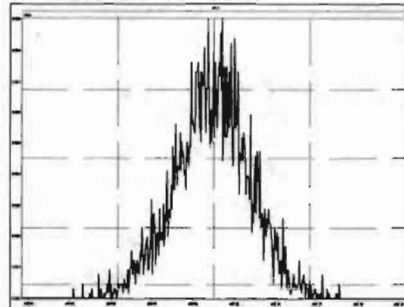
M 442.9728 R 10727



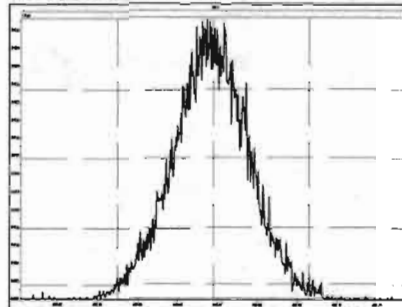
M 454.9728 R 11792



M 466.9728 R 12628



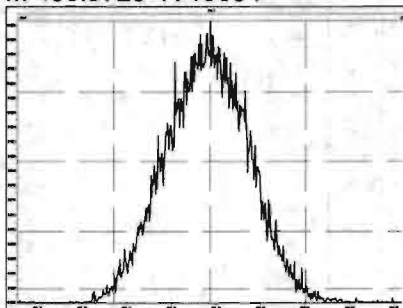
M 480.9696 R 11111



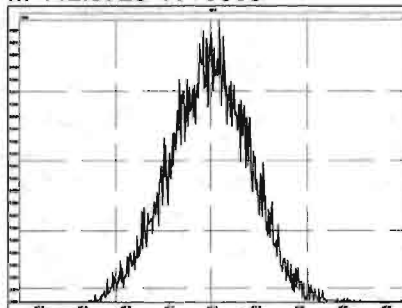
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:20:18 Pacific Daylight Time

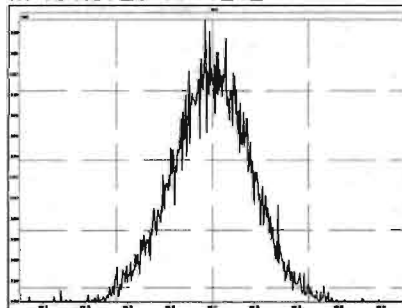
M 430.9728 R 10684



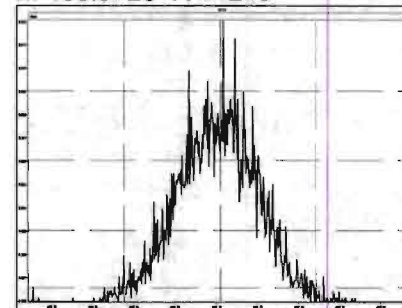
M 442.9728 R 10868



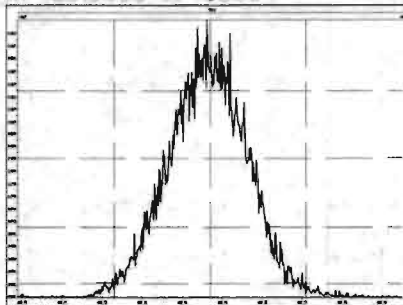
M 454.9728 R 11212



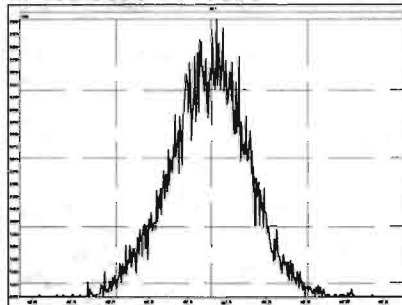
M 466.9728 R 11210



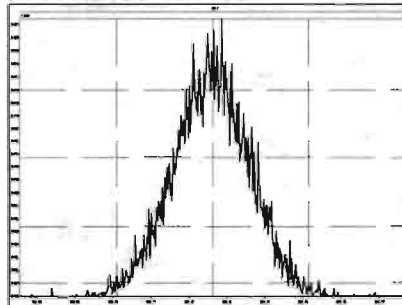
M 480.9696 R 10963



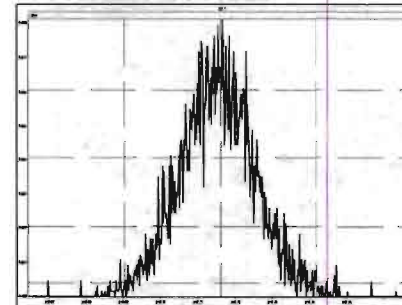
M 492.9696 R 10593



M 504.9696 R 11681



M 516.9697 R 11905



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

DB 2/12/20 0102/12/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

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

Response Factor: 0.9819

RRF SD: 0.0791981, Relative SD: 8.06581

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	0.250	0.86	NO	17.23	3.04e2	1.39e5	0.223	0.876
2	2 200211D2_4	0.500	0.66	NO	17.22	6.08e2	1.13e5	0.549	1.08
3	3 200211D2_5	2.00	0.73	NO	17.23	2.63e3	1.30e5	2.06	1.01
4	4 200211D2_6	10.0	0.75	NO	17.23	1.15e4	1.25e5	9.33	0.916
5	5 200211D2_7	40.0	0.74	NO	17.23	5.76e4	1.51e5	39.0	0.957
6	6 200211D2_8	300	0.73	NO	17.23	4.81e5	1.52e5	321	1.05

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.08271

RRF SD: 0.0939058, Relative SD: 8.67318

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.72	NO	17.20	1.39e5	1.13e5	113	1.23
2	2 200211D2_4	100	0.71	NO	17.20	1.13e5	1.14e5	91.7	0.993
3	3 200211D2_5	100	0.71	NO	17.20	1.30e5	1.34e5	89.3	0.967
4	4 200211D2_6	100	0.75	NO	17.20	1.25e5	1.15e5	101	1.09
5	5 200211D2_7	100	0.71	NO	17.20	1.51e5	1.35e5	103	1.11
6	6 200211D2_8	100	0.72	NO	17.20	1.52e5	1.38e5	102	1.11

Vista Analytical Laboratory VG-9

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 7.02167e-017, Relative SD: 7.02167e-015

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.70	NO	15.17	1.13e5	1.13e5	100	1.00
2	2 200211D2_4	100	0.71	NO	15.18	1.14e5	1.14e5	100	1.00
3	3 200211D2_5	100	0.74	NO	15.17	1.34e5	1.34e5	100	1.00
4	4 200211D2_6	100	0.72	NO	15.17	1.15e5	1.15e5	100	1.00
5	5 200211D2_7	100	0.73	NO	15.17	1.35e5	1.35e5	100	1.00
6	6 200211D2_8	100	0.73	NO	15.17	1.38e5	1.38e5	100	1.00

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1026.38

RRF SD: 123.841, Relative SD: 12.0658

Response type: External Std, Area

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.79	NO	15.78	1.04e5		102	1040
2	2 200211D2_4	100	0.77	NO	15.78	8.57e4		83.5	857
3	3 200211D2_5	100	0.79	NO	15.78	9.44e4		92.0	944
4	4 200211D2_6	100	0.79	NO	15.78	9.87e4		96.1	987
5	5 200211D2_7	100	0.78	NO	15.78	1.13e5		110	1130
6	6 200211D2_8	100	0.78	NO	15.78	1.20e5		116	1200

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

	# Name	Resp	RA	n/y	RRF M...	w/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.982	1.000	17.23	0.22305	89.2	0.0931
2	2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	113.42	113	0.342
3	3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	100.00	100	0.371
4	4 13C-1,2,3,4-TCDD	1.04e5	0.79	NO	1030	1.000	15.78	101.65	102	0.291

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	6.08e2	0.66	NO	0.982	1.000	17.22	0.54947	110	0.147
2	2 13C-2,3,7,8-TCDF	1.13e5	0.71	NO	1.08	1.000	17.20	91.711	91.7	0.381
3	3 13C-1,2,3,4-TCDF	1.14e5	0.71	NO	1.00	1.000	15.18	100.00	100	0.412
4	4 13C-1,2,3,4-TCDD	8.57e4	0.77	NO	1030	1.000	15.78	83.528	83.5	0.324

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	2.63e3	0.73	NO	0.982	1.000	17.23	2.0631	103	0.121
2	2 13C-2,3,7,8-TCDF	1.30e5	0.71	NO	1.08	1.000	17.20	89.279	89.3	0.292
3	3 13C-1,2,3,4-TCDF	1.34e5	0.74	NO	1.00	1.000	15.17	100.00	100	0.316
4	4 13C-1,2,3,4-TCDD	9.44e4	0.79	NO	1030	1.000	15.78	92.007	92.0	0.336

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.15e4	0.75	NO	0.982	1.000	17.23	9.3257	93.3	0.185
2	2 13C-2,3,7,8-TCDF	1.25e5	0.75	NO	1.08	1.000	17.20	100.76	101	0.364
3	3 13C-1,2,3,4-TCDF	1.15e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.394
4	4 13C-1,2,3,4-TCDD	9.87e4	0.79	NO	1030	1.000	15.78	96.149	96.1	0.331

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	5.76e4	0.74	NO	0.982	1.000	17.23	38.981	97.5	0.158
2	2 13C-2,3,7,8-TCDF	1.51e5	0.71	NO	1.08	1.000	17.20	102.61	103	0.300
3	3 13C-1,2,3,4-TCDF	1.35e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.325
4	4 13C-1,2,3,4-TCDD	1.13e5	0.78	NO	1030	1.000	15.78	110.19	110	0.311

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	4.81e5	0.73	NO	0.982	1.000	17.23	321.06	107	0.243
2	2 13C-2,3,7,8-TCDF	1.52e5	0.72	NO	1.08	1.000	17.20	102.22	102	0.295
3	3 13C-1,2,3,4-TCDF	1.38e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.319
4	4 13C-1,2,3,4-TCDD	1.20e5	0.78	NO	1030	1.000	15.78	116.47	116	0.322

Dataset: Untitled

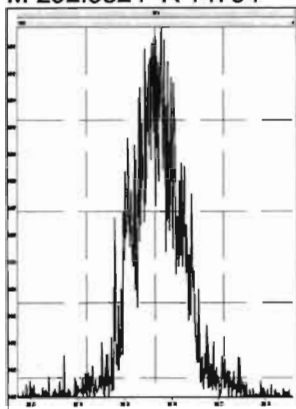
Last Altered: Wednesday, February 12, 2020 10:45:15 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:45:35 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Callbration: C:\MassLynx\Default.PRO\CurveDB\db-225_m23tcdfvg7-2-11-20.cdb 11 Feb 2020 14:52:18

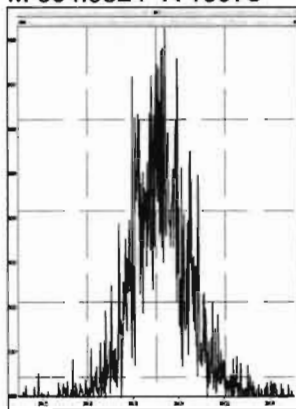
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200211D2_1	SOLVENT BLANK	11-Feb-20	19:58:43
2	200211D2_2	CP200211D2-1 DB-225 CPSM	11-Feb-20	20:28:53
3	200211D2_3	ST200211D2-1 1613 CS0 19L2302	11-Feb-20	21:00:36
4	200211D2_4	ST200211D2-2 1613 CS1 19L2303	11-Feb-20	21:32:19
5	200211D2_5	ST200211D2-3 1613 CS2 19L2304	11-Feb-20	22:04:03
6	200211D2_6	ST200211D2-4 1613 CS3 19L2305	11-Feb-20	22:35:45
7	200211D2_7	ST200211D2-5 1613 CS4 19L2306	11-Feb-20	23:07:28
8	200211D2_8	ST200211D2-6 1613 CS5 19L2307	11-Feb-20	23:39:11
9	200211D2_9	SOLVENT BLANK	12-Feb-20	00:10:54
10	200211D2_10	SS200211D2-1 1613 SSS 19L2308	12-Feb-20	00:42:33
11	200211D2_11	SOLVENT BLANK	12-Feb-20	01:14:15
12	200211D2_12	1903740-08RE1 PDI-097SC-B-06-08-191017 ...	12-Feb-20	01:45:58
13	200211D2_13	1903740-07RE1 PDI-097SC-B-04-06-191017 ...	12-Feb-20	02:17:39
14	200211D2_14	1903740-06RE1 PDI-097SC-B-02-04-191017 ...	12-Feb-20	02:49:21
15	200211D2_15	1903740-01RE1 PDI-031SC-B-00-02-191017 ...	12-Feb-20	03:21:03
16	200211D2_16	1903740-05RE1 PDI-097SC-B-00-02-191017 ...	12-Feb-20	03:52:45

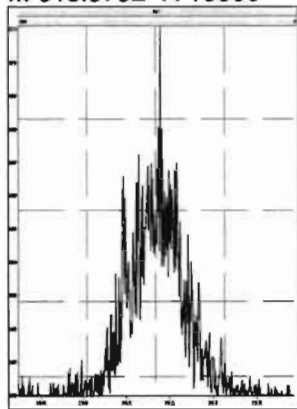
M 292.9824 R 14754



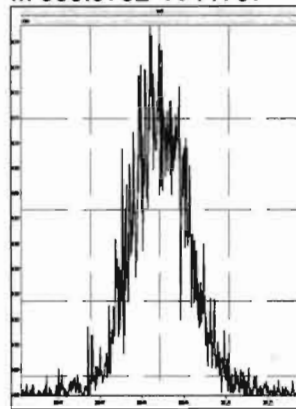
M 304.9824 R 15978



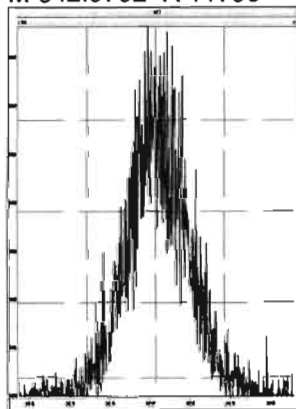
M 318.9792 R 15503



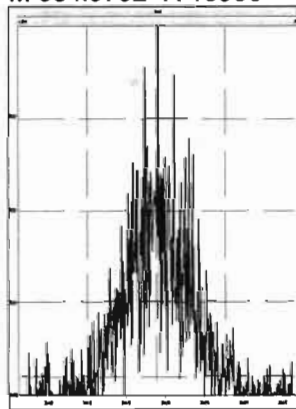
M 330.9792 R 11737



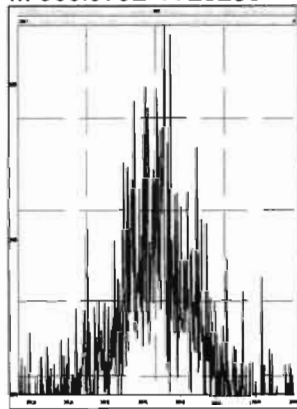
M 342.9792 R 11796



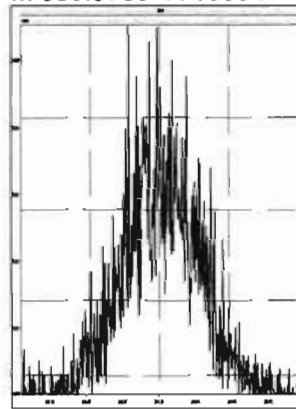
M 354.9792 R 15966

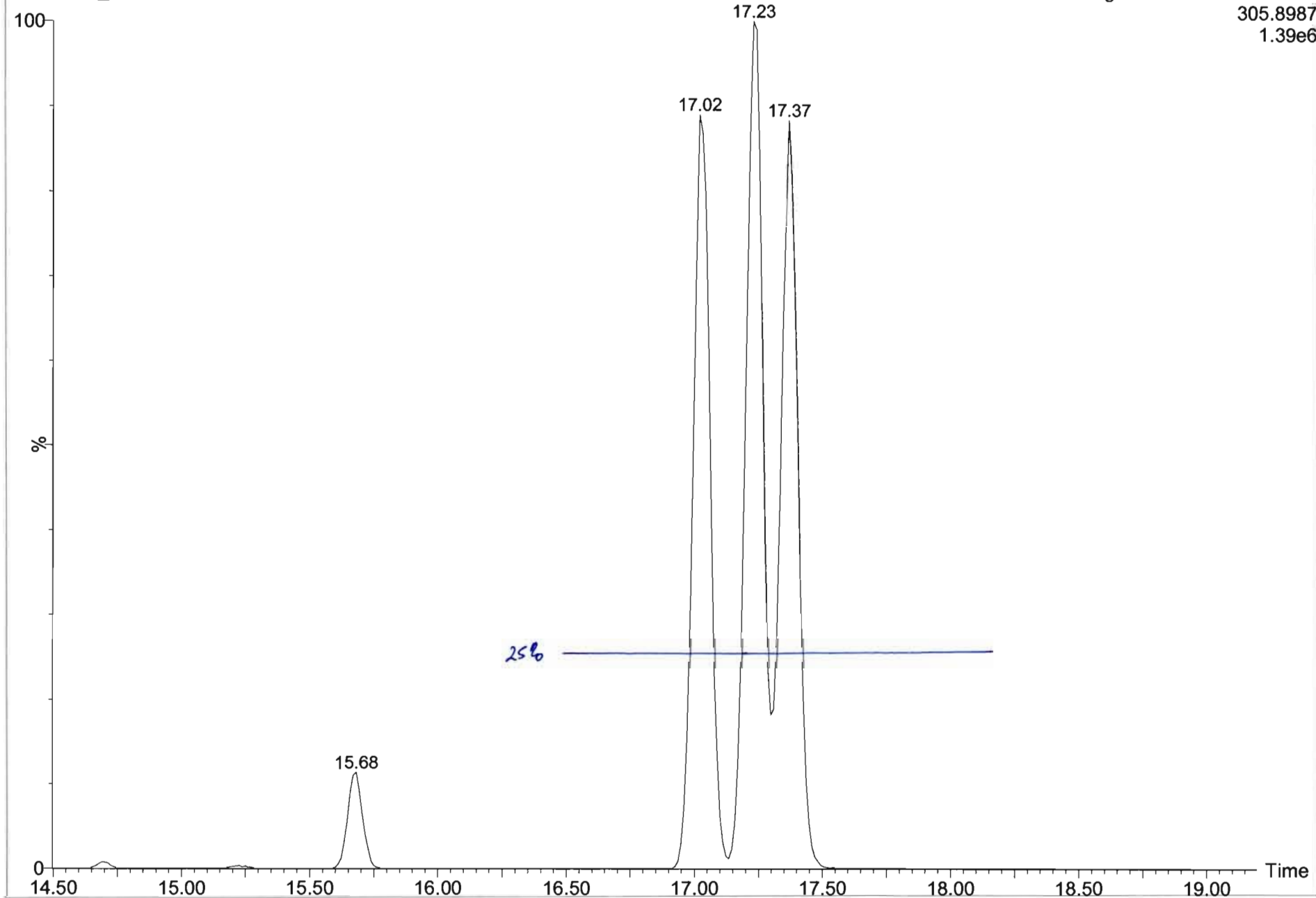


M 366.9792 R 28256



M 380.9760 R 13094





Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

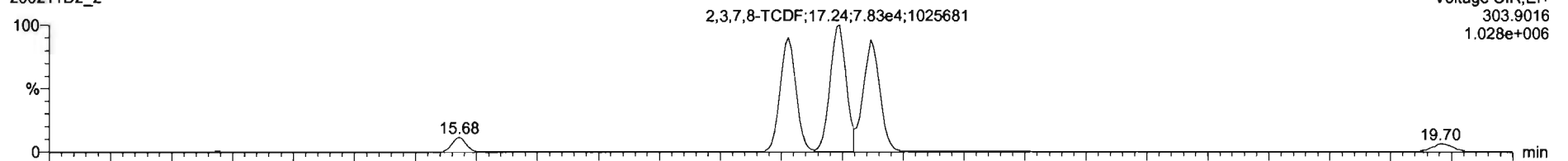
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Printed: Wednesday, February 12, 2020 10:15:34 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: C:\MassLynx\Default.PRO\CurveDB\db-225_m23tcdfvg7-2-11-20.cdb 11 Feb 2020 14:52:18

Name: 200211D2_2, Date: 11-Feb-2020, Time: 20:28:53, ID: CP200211D2-1 DB-225 CPSM, Description: DB-225 CPSM

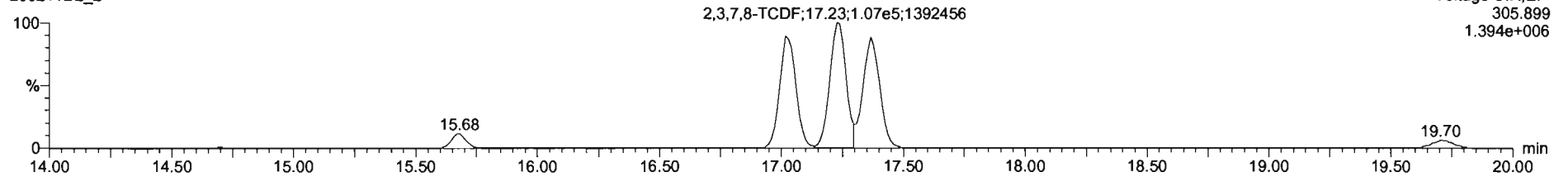
2,3,7,8-TCDF

200211D2_2



Voltage SIR,EI+
303.9016
1.028e+006

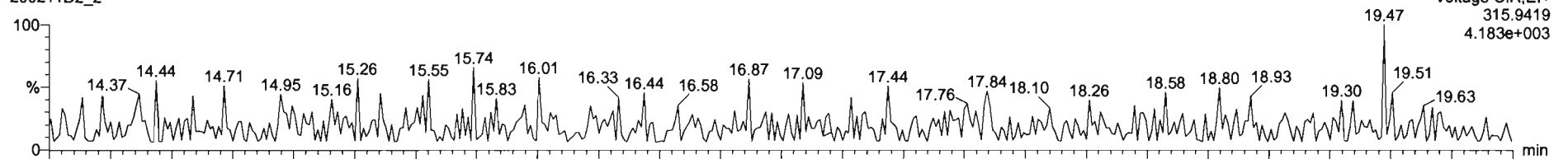
200211D2_2



Voltage SIR,EI+
305.899
1.394e+006

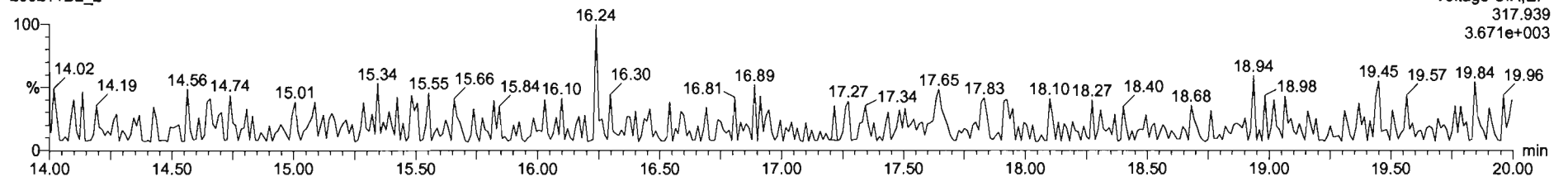
13C-2,3,7,8-TCDF

200211D2_2



Voltage SIR,EI+
315.9419
4.183e+003

200211D2_2



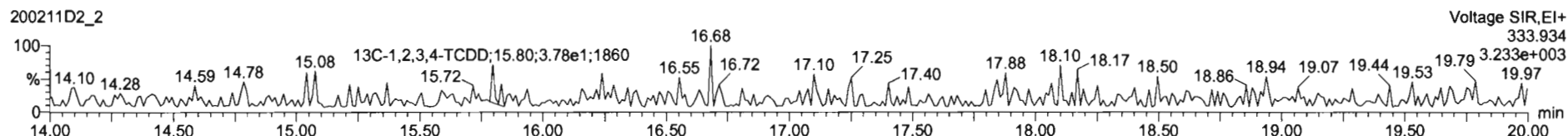
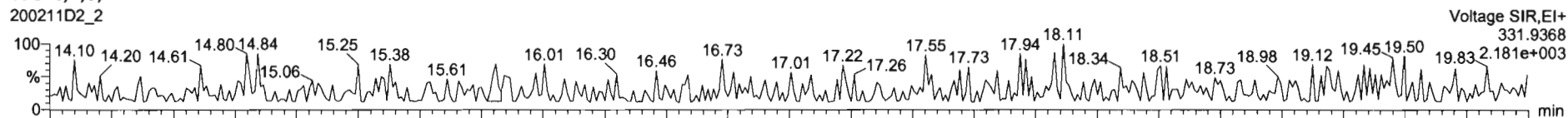
Voltage SIR,EI+
317.939
3.671e+003

Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

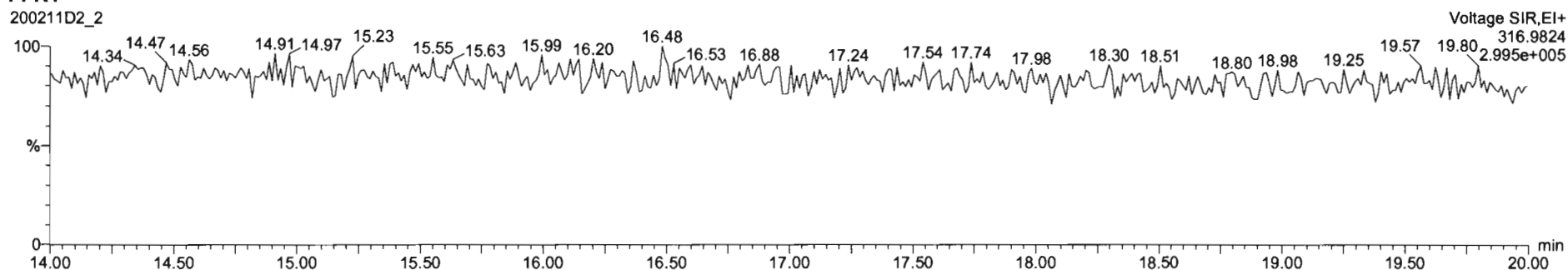
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Printed: Wednesday, February 12, 2020 10:15:34 Pacific Standard Time

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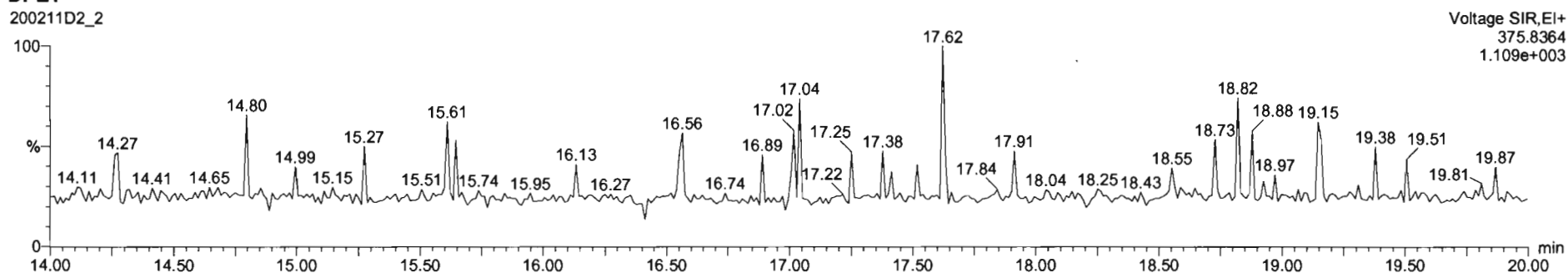
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

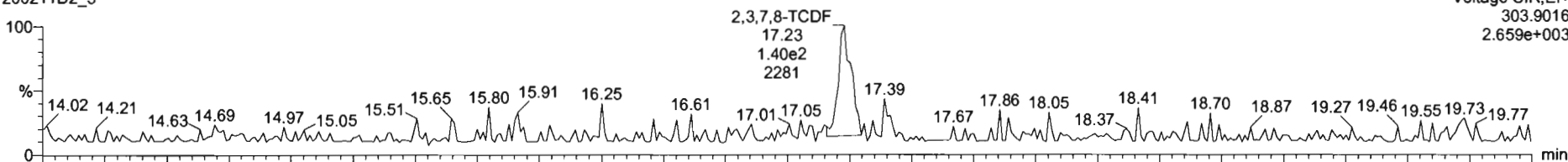
Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvfg7-2-11-20.cdb 12 Feb 2020 10:17:56

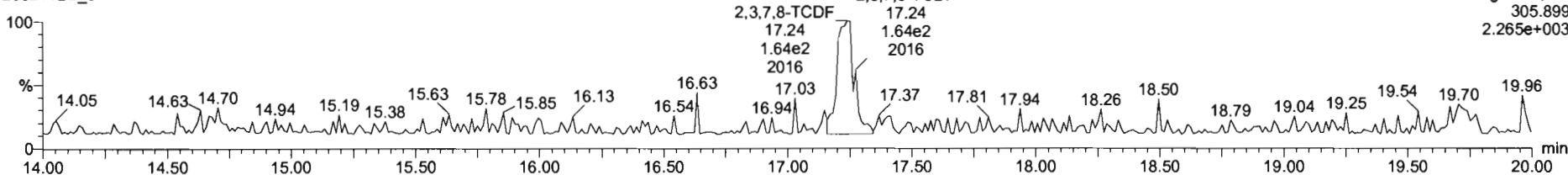
Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

2,3,7,8-TCDF

200211D2_3

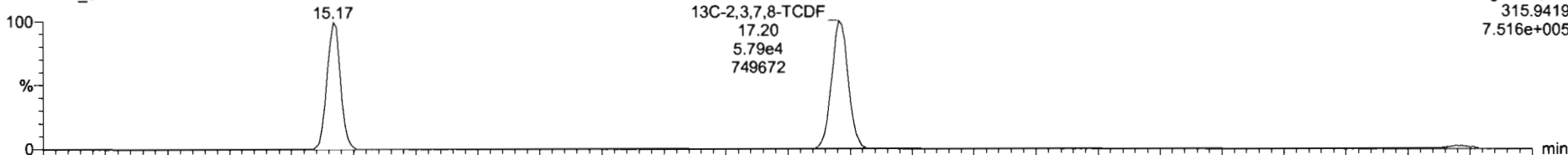


200211D2_3

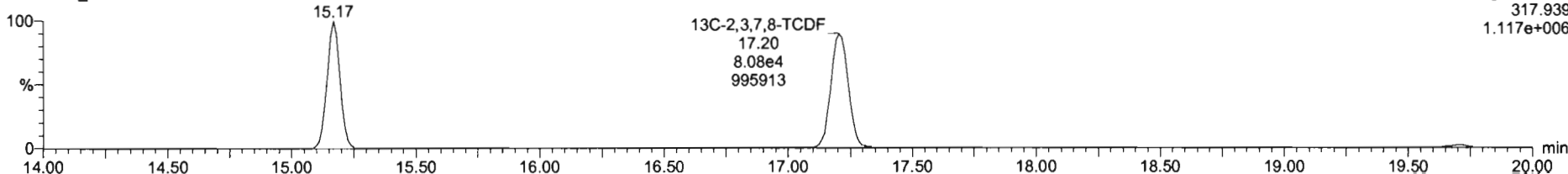


13C-2,3,7,8-TCDF

200211D2_3



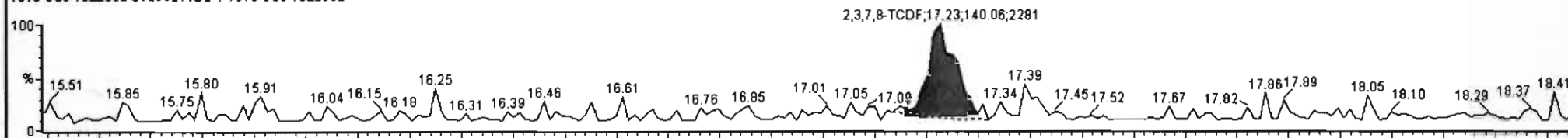
200211D2_3



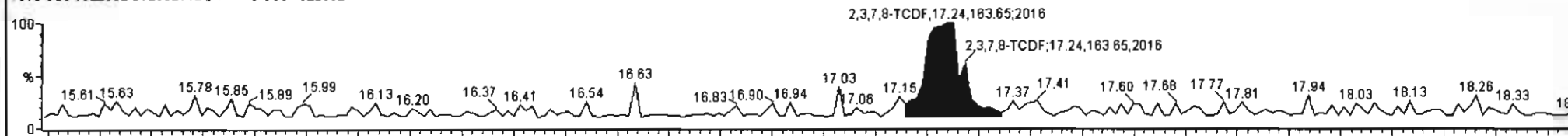
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.98	1.000	17.23	1.001	0.223	89.2	0.0831	0.223
2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	1.134	113	113	0.342	
3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	1.000	100	100	0.371	
4 13C-1,2,3,4-TCDF	1.04e5	0.79	NO	1026.38	1.000	15.78	0.000	102	102	0.291	
5 PFOS					1.000						
6 DPE1					1.000						

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

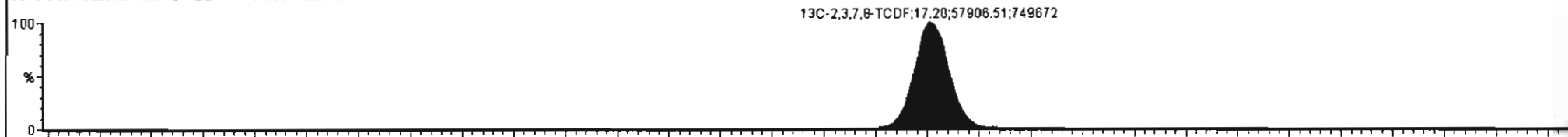
200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



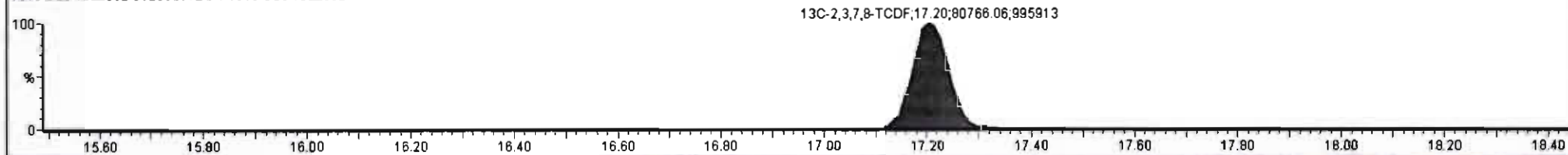
200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



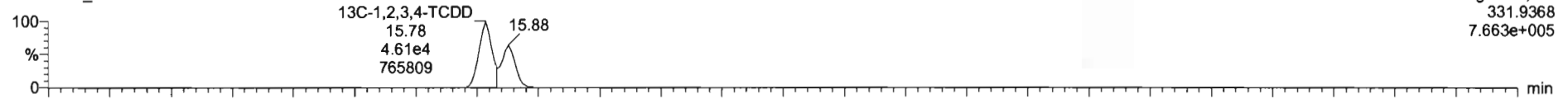
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

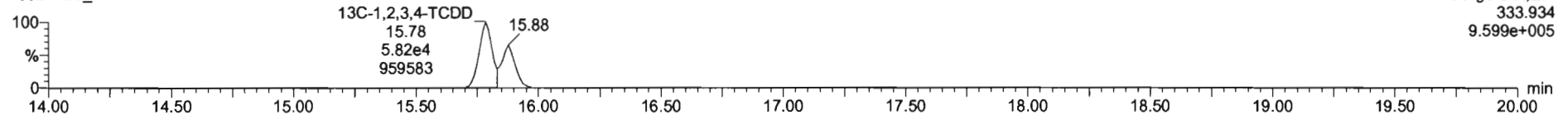
Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

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

200211D2_3

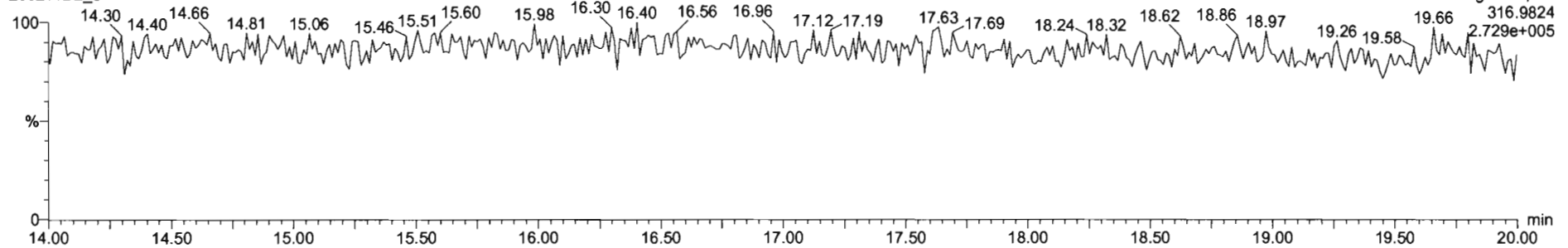


200211D2_3



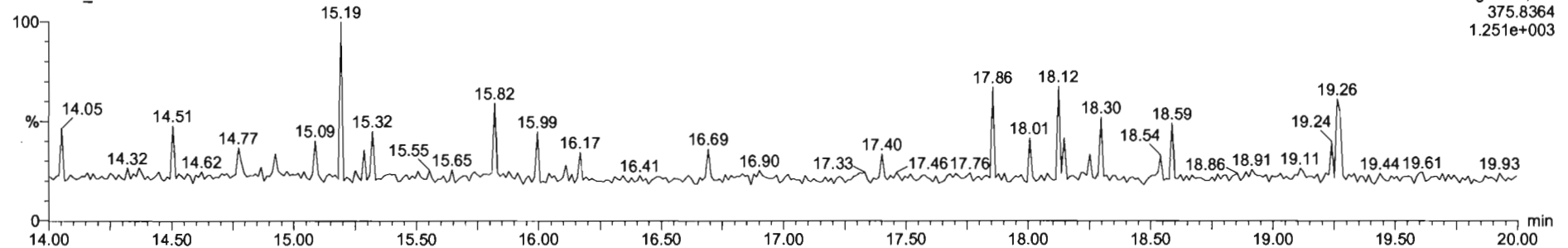
PFK1

200211D2_3



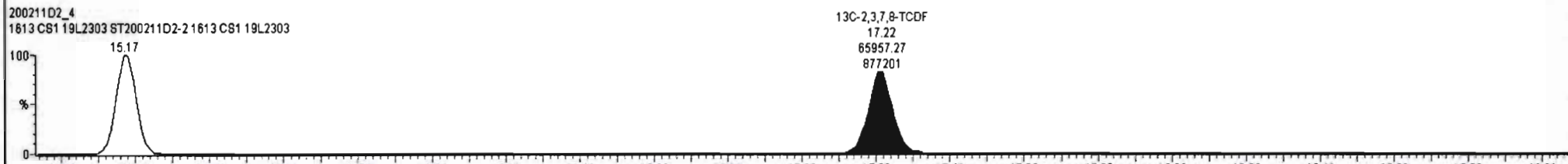
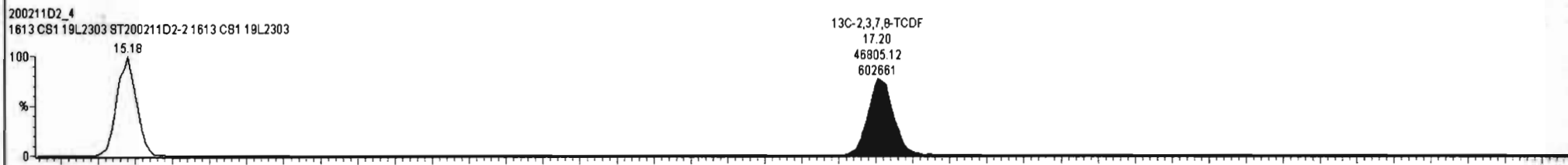
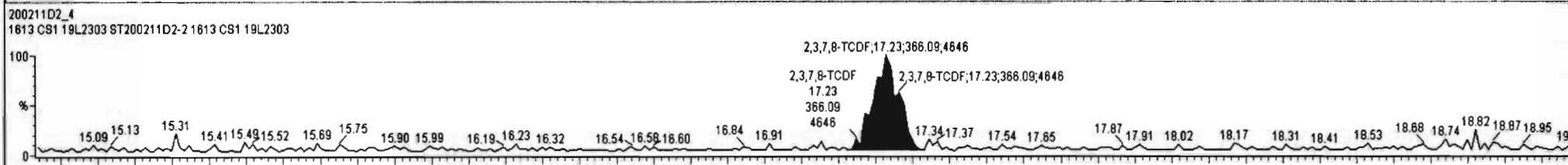
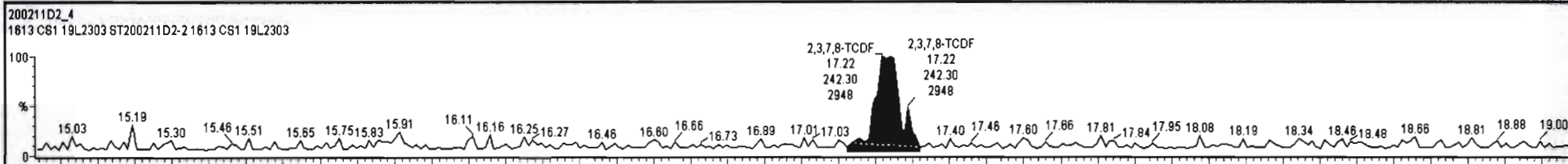
DPE1

200211D2_3



#	Name	Resp	RA	ruy	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EWPC
1	2,3,7,8-TCDF	8.09e2	0.66	NO	0.98	1.000	17.22	1.001	0.548	110	0.147	0.549
2	13C-2,3,7,8-TCDF	1.13e5	0.71	NO	1.08	1.000	17.20	1.133	91.7	91.7	0.381	
3	13C-1,2,3,4-TCDF	1.14e5	0.71	NO	1.00	1.000	15.18	1.000	100	100	0.412	
4	13C-1,2,3,4-TCDD	8.57e4	0.77	NO	1026.38	1.000	15.78	0.000	83.5	83.5	0.324	
5	PFK1					1.000						
6	DPF1					1.000						

#	Name	RT	int Resp	m2 Resp	RA	ruy	EWPC	Conc.
1								



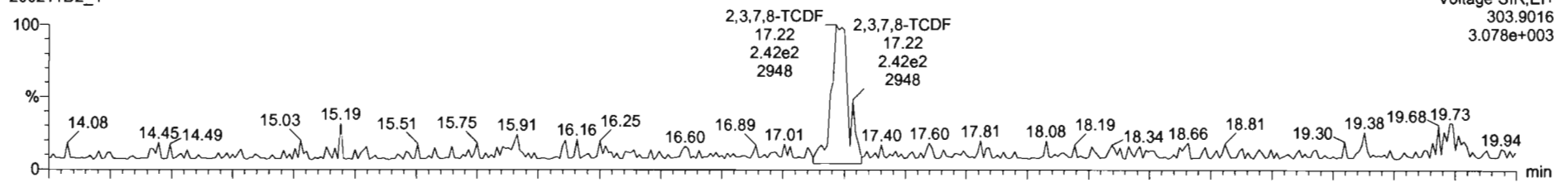
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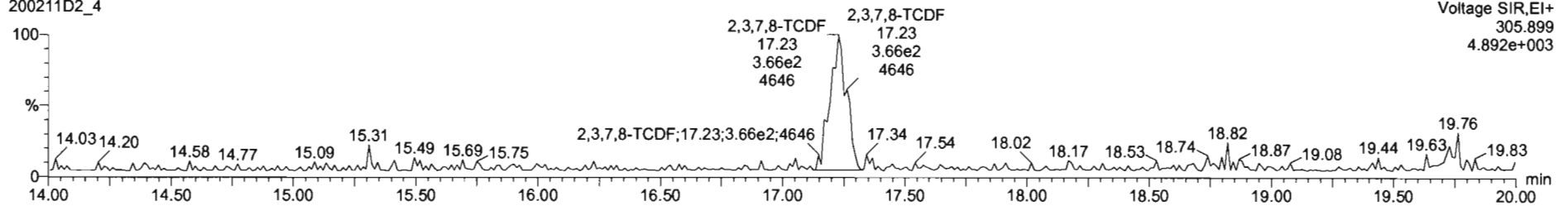
Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

2,3,7,8-TCDF

200211D2_4

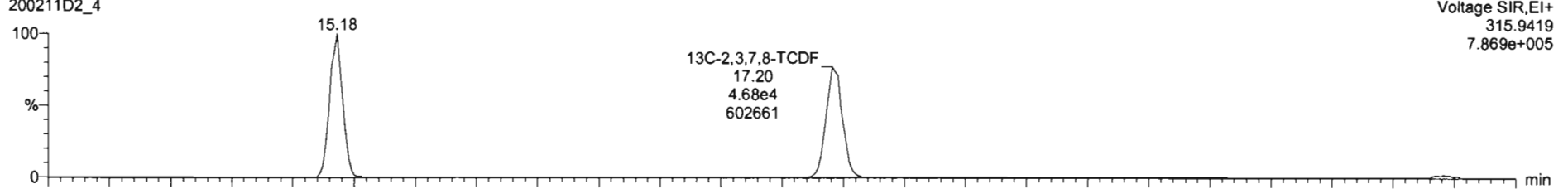


200211D2_4

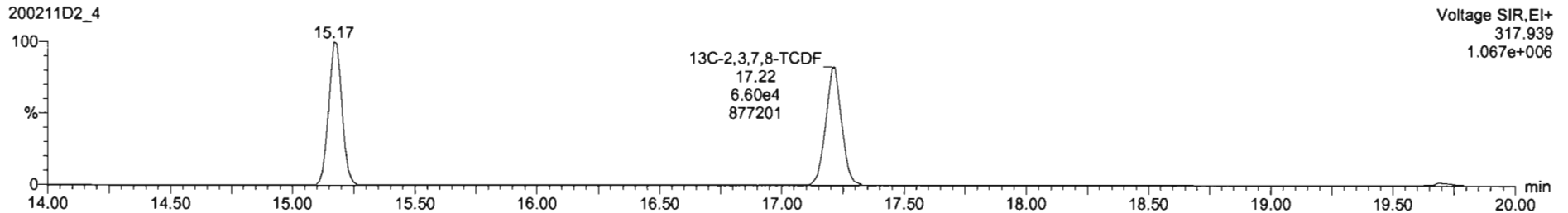


13C-2,3,7,8-TCDF

200211D2_4



200211D2_4



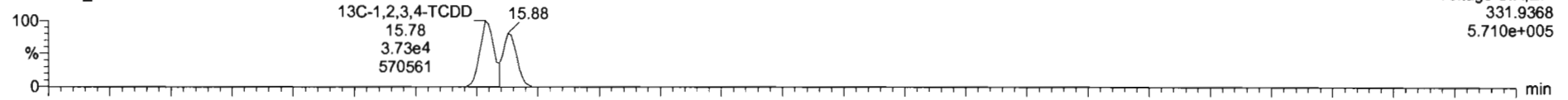
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

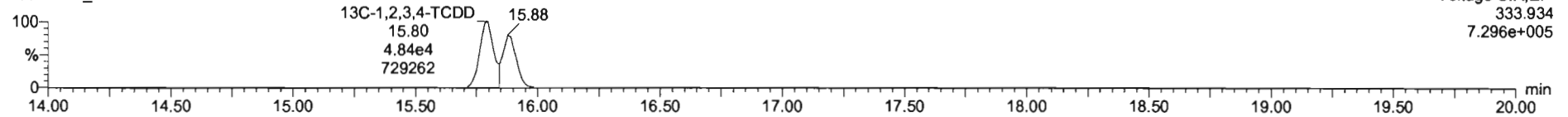
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13C-1,2,3,4-TCDD

200211D2_4

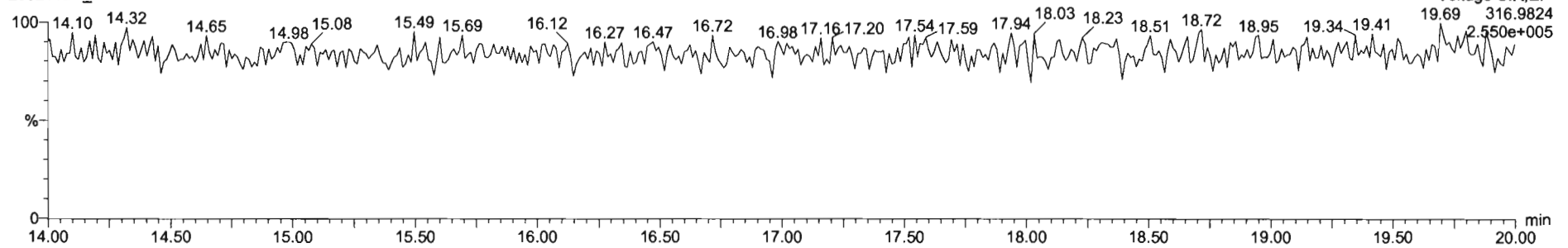


200211D2_4



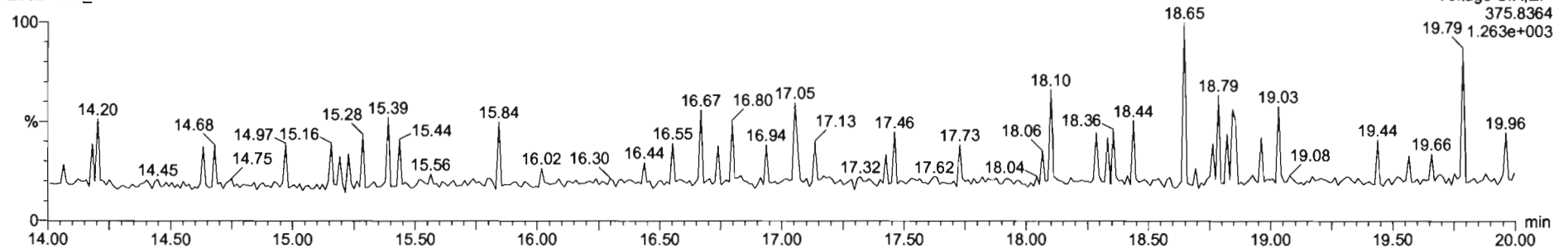
PFK1

200211D2_4



DPE1

200211D2_4



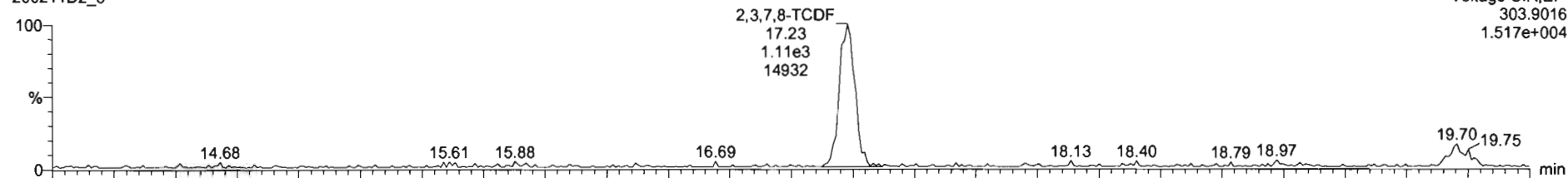
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

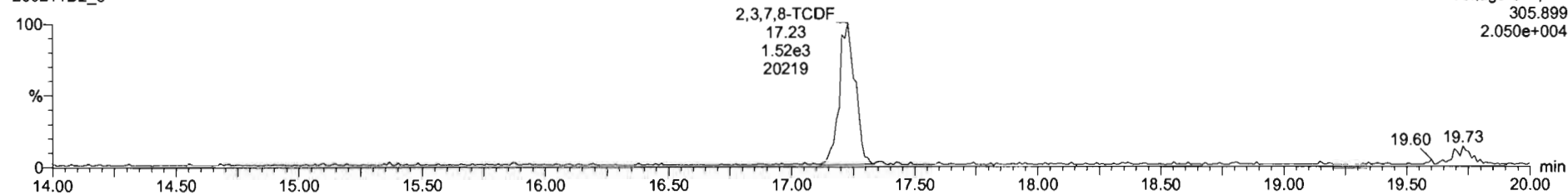
2,3,7,8-TCDF

200211D2_5



Voltage SIR, EI+
303.9016
1.517e+004

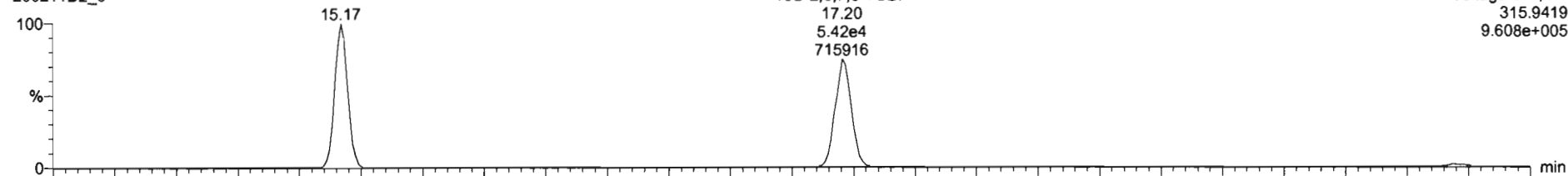
200211D2_5



Voltage SIR, EI+
305.899
2.050e+004

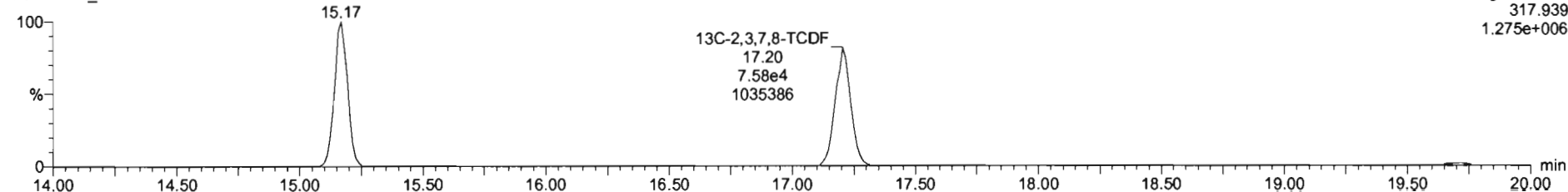
13C-2,3,7,8-TCDF

200211D2_5



Voltage SIR, EI+
315.9419
9.608e+005

200211D2_5



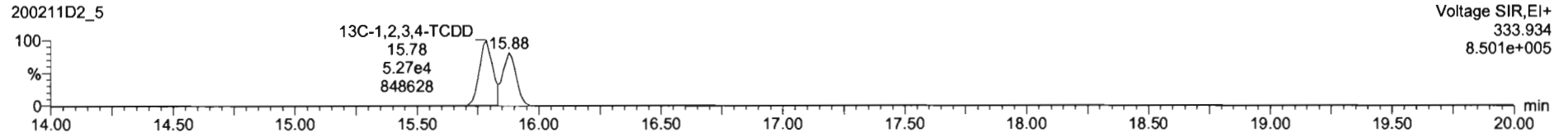
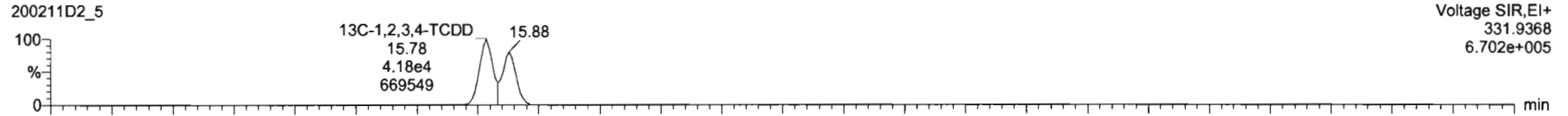
Voltage SIR, EI+
317.939
1.275e+006

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

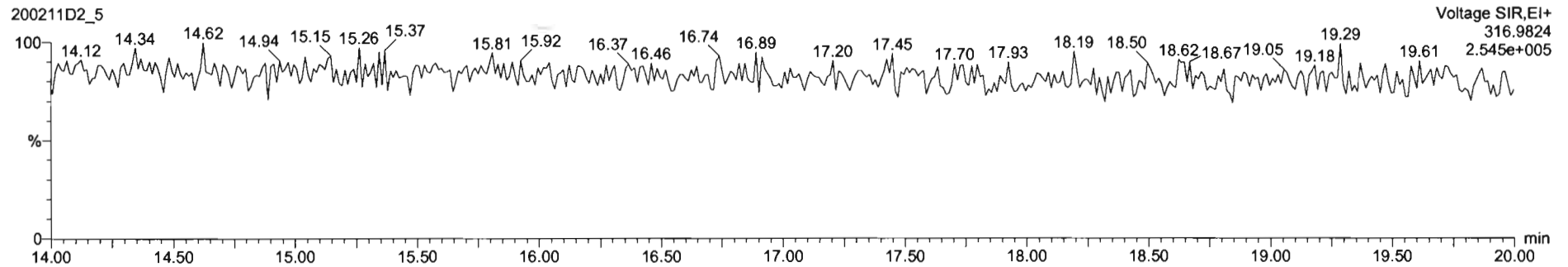
Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

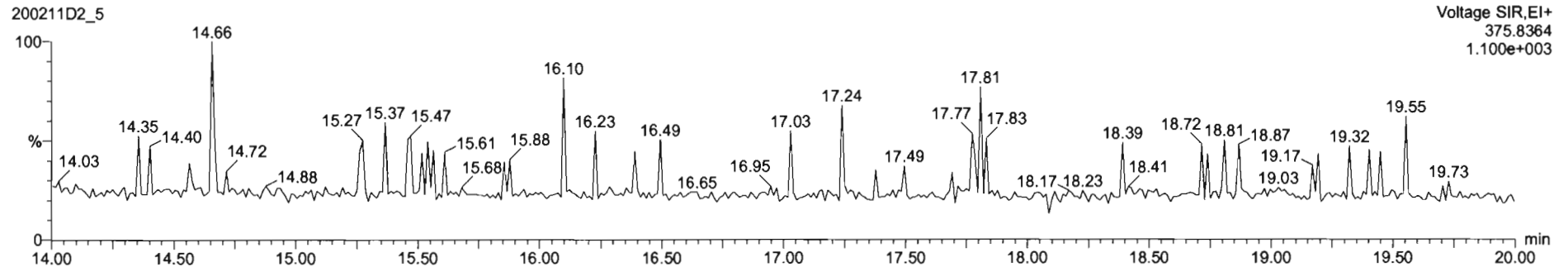
13C-1,2,3,4-TCDD



PFK1



DPE1



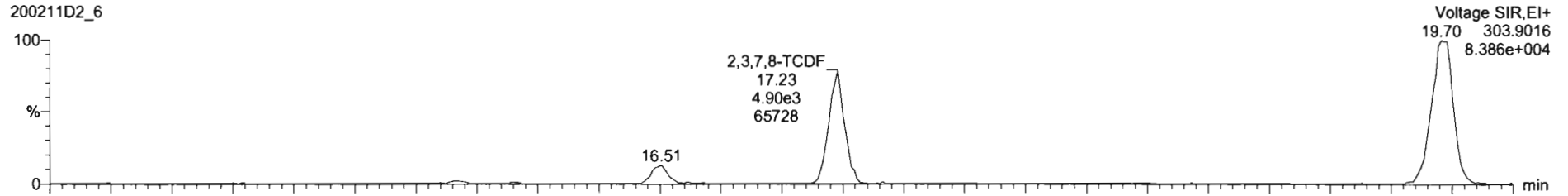
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

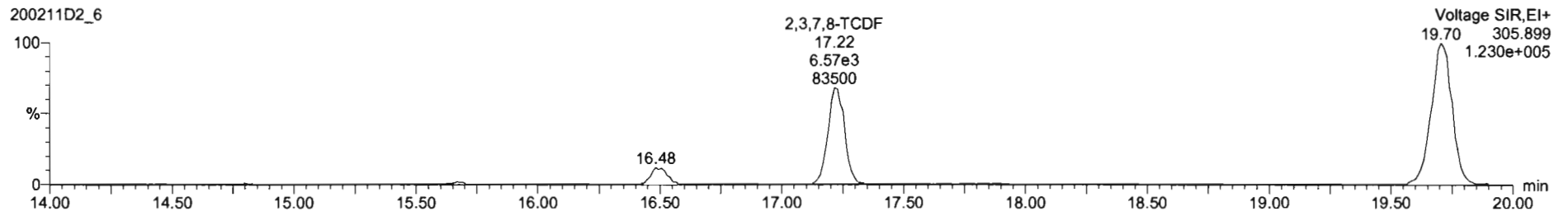
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2,3,7,8-TCDF

200211D2_6

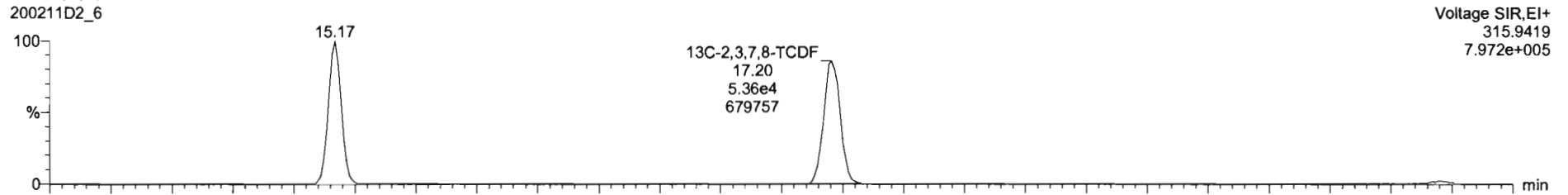


200211D2_6

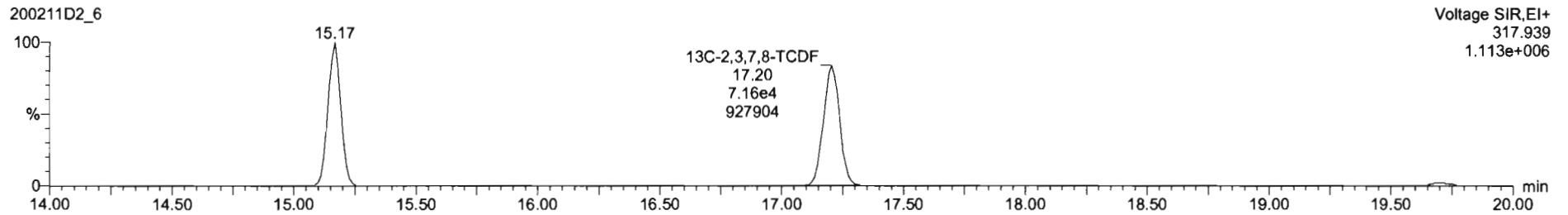


13C-2,3,7,8-TCDF

200211D2_6



200211D2_6



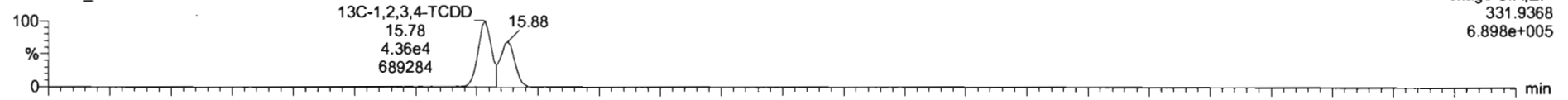
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

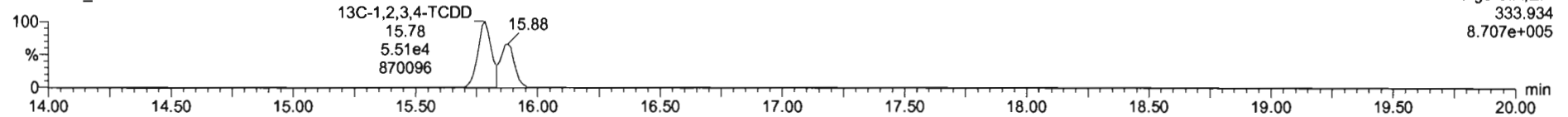
Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200211D2_6

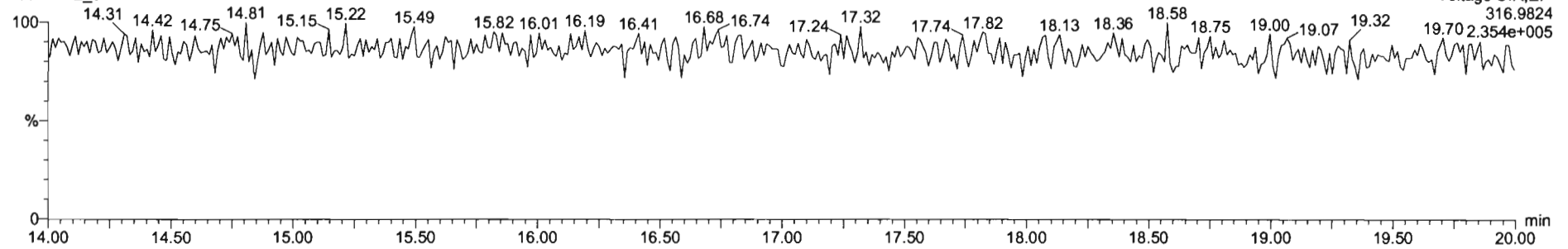


200211D2_6



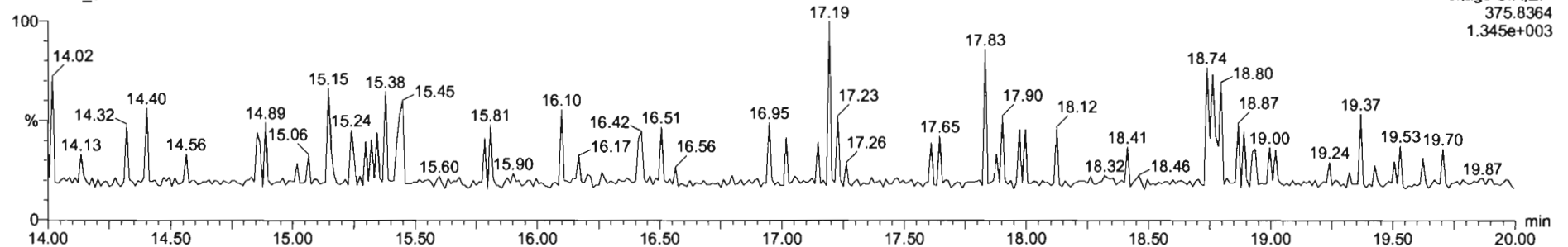
PFK1

200211D2_6



DPE1

200211D2_6



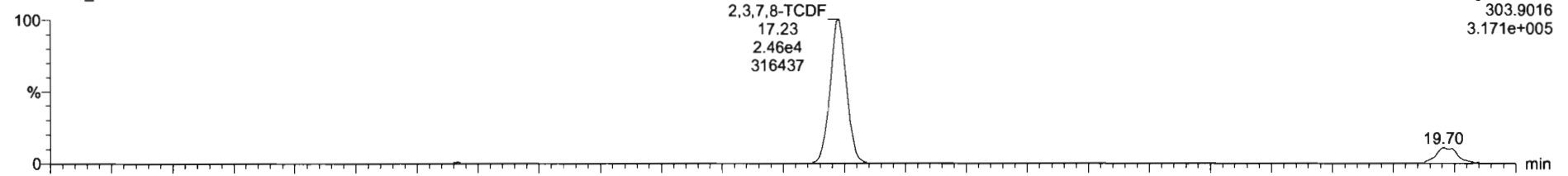
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

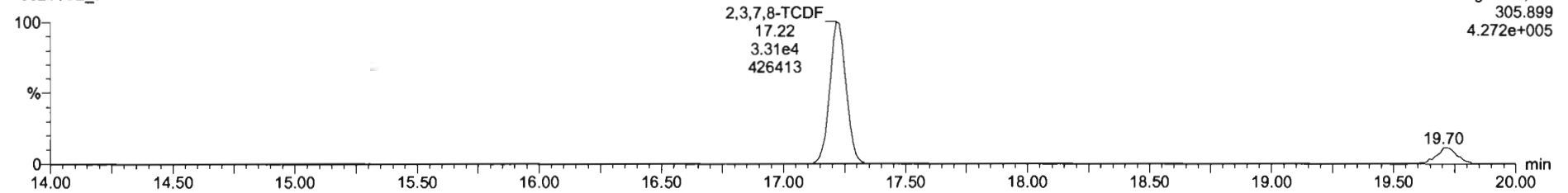
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2,3,7,8-TCDF

200211D2_7

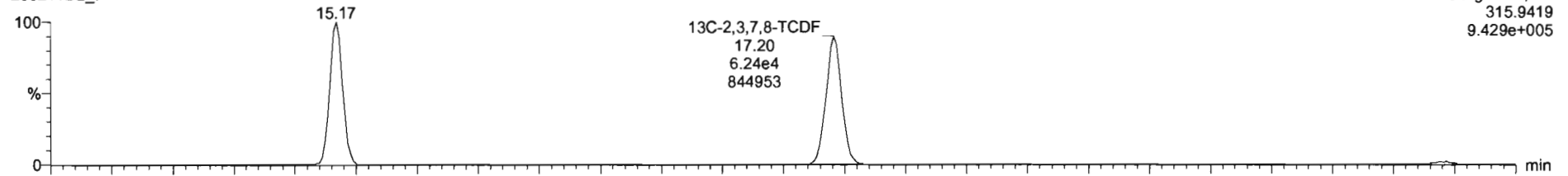


200211D2_7

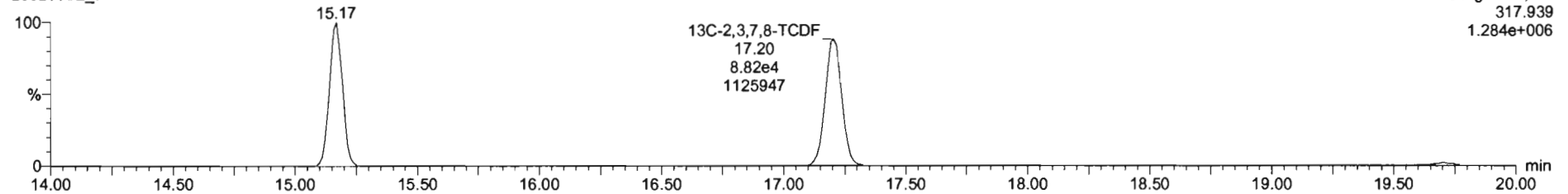


13C-2,3,7,8-TCDF

200211D2_7



200211D2_7



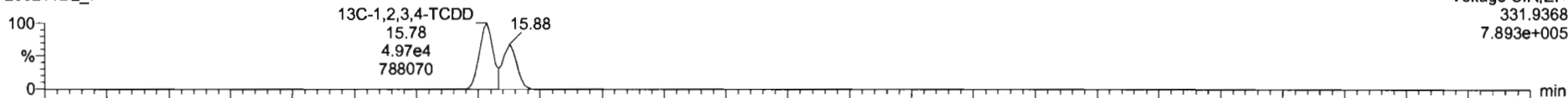
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

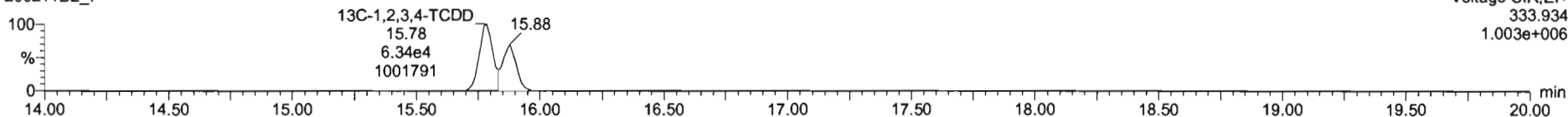
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13C-1,2,3,4-TCDD

200211D2_7

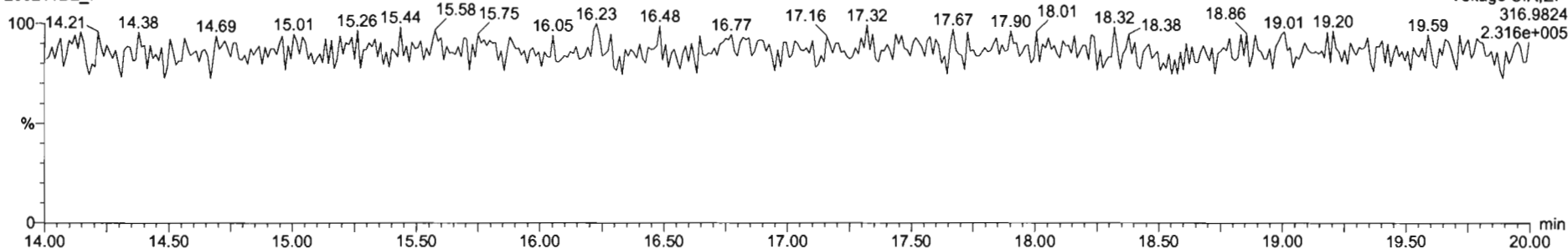


200211D2_7



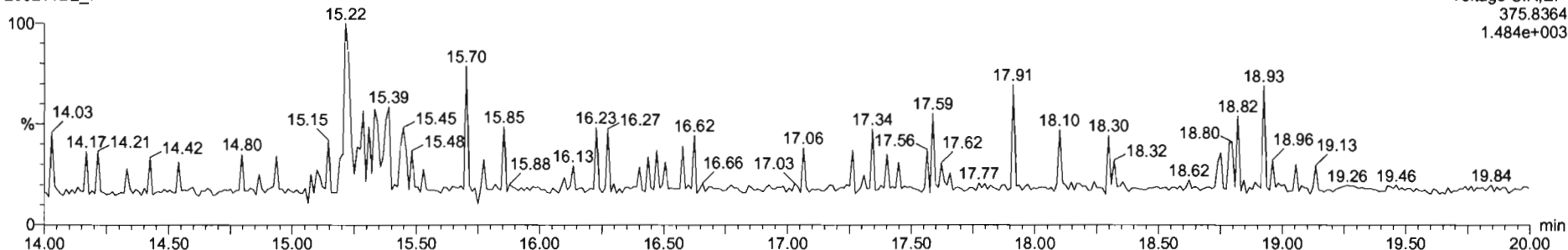
PFK1

200211D2_7



DPE1

200211D2_7



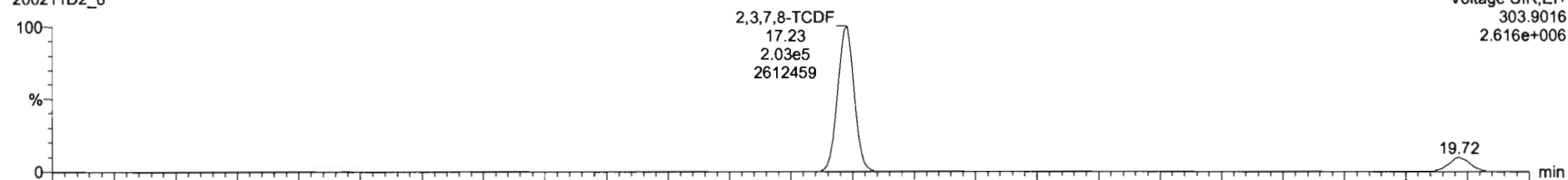
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

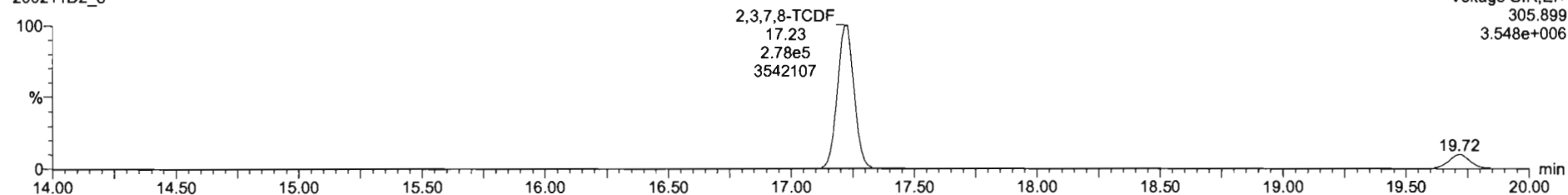
2,3,7,8-TCDF

200211D2_8



Voltage SIR,EI+
303.9016
2.616e+006

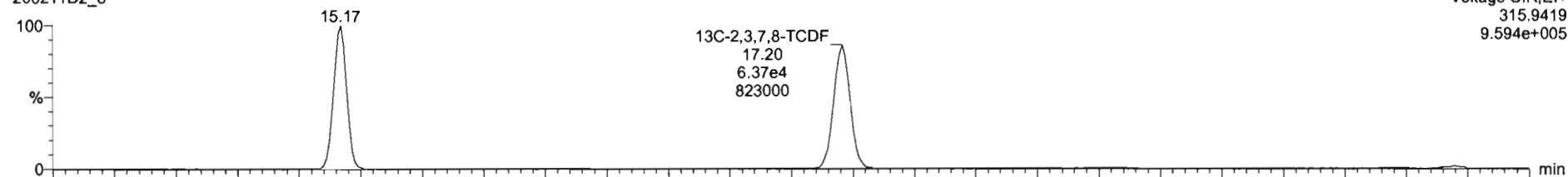
200211D2_8



Voltage SIR,EI+
305.899
3.548e+006

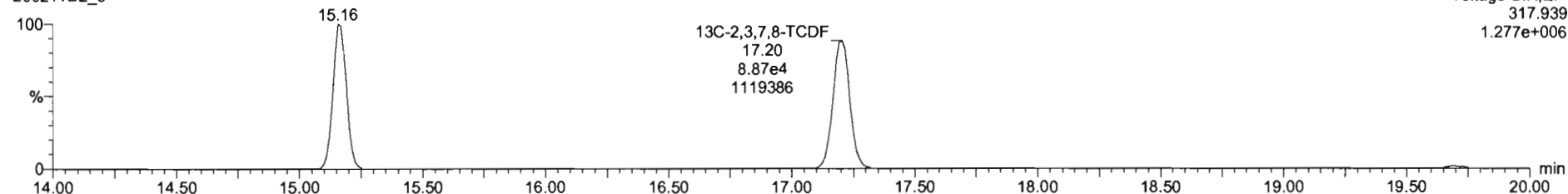
13C-2,3,7,8-TCDF

200211D2_8



Voltage SIR,EI+
315.9419
9.594e+005

200211D2_8



Voltage SIR,EI+
317.939
1.277e+006

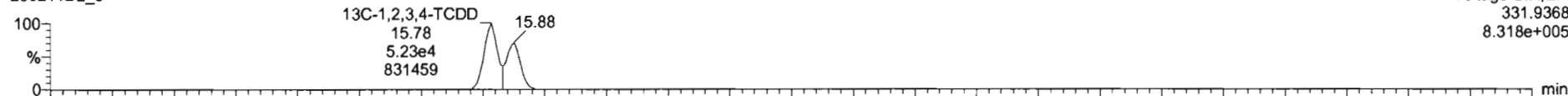
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

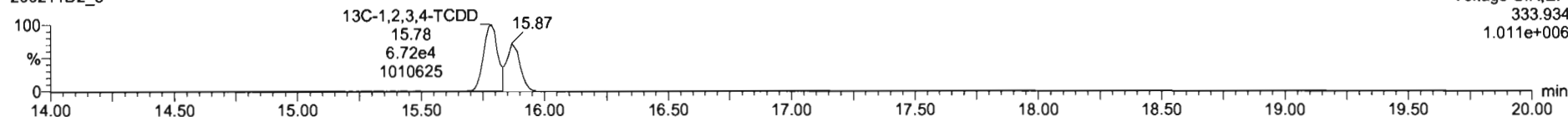
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13C-1,2,3,4-TCDD

200211D2_8

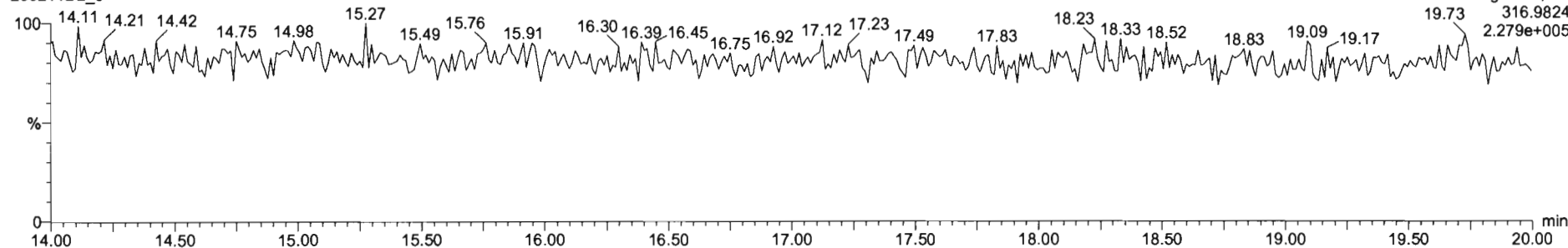


200211D2_8



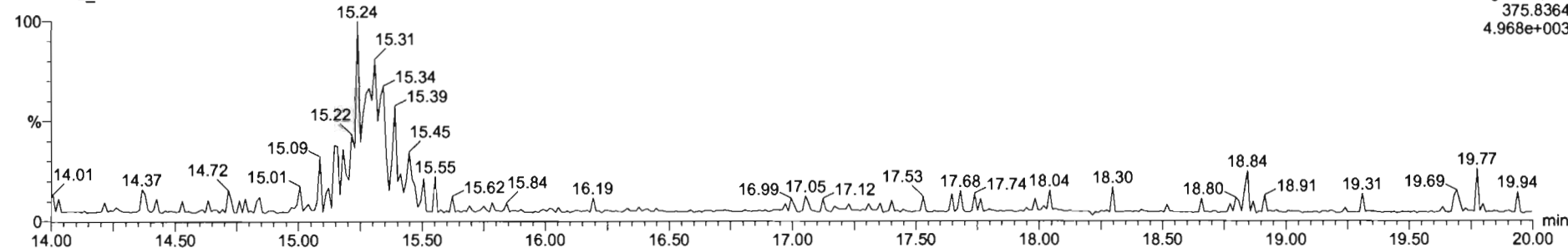
PFK1

200211D2_8

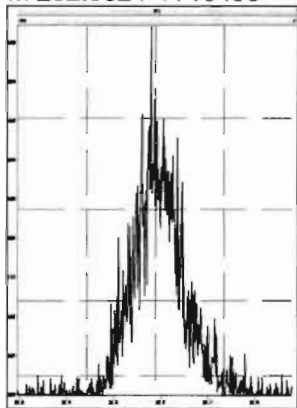


DPE1

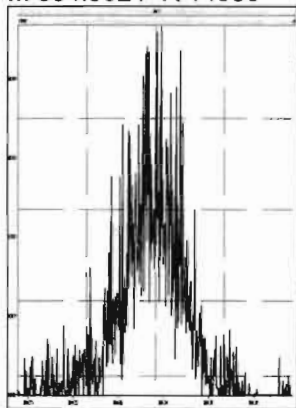
200211D2_8



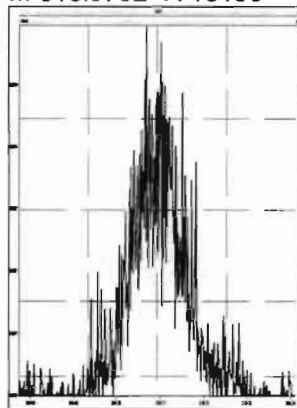
M 292.9824 R 13493



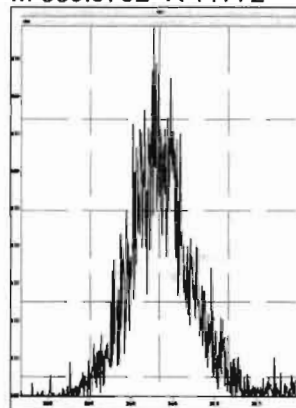
M 304.9824 R 14983



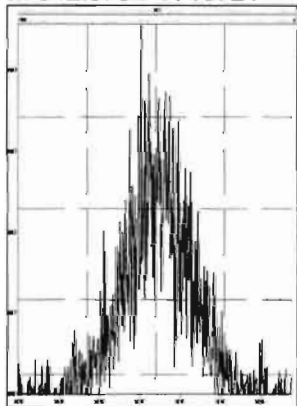
M 318.9792 R 15196



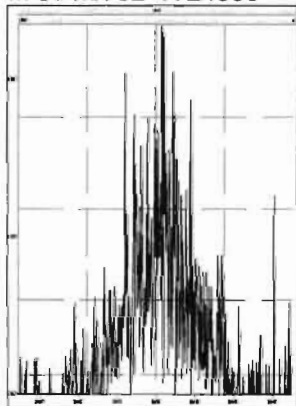
M 330.9792 R 11772



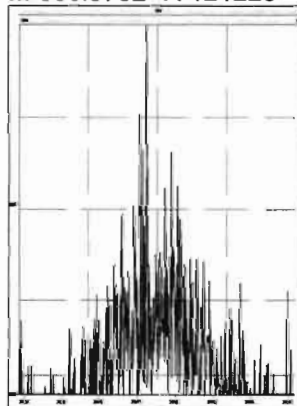
M 342.9792 R 13721



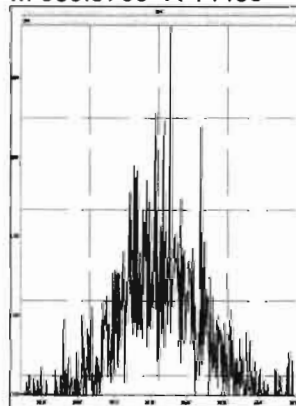
M 354.9792 R 24553



M 366.9792 R 121228



M 380.9760 R 14409



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:52:52 Pacific Standard Time

DB 2/12/20 07:52/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	2,3,7,8-TCDF	1.29e4	0.77	NO	0.982	1.000	17.22	10.800	108	0.183
2	13C-2,3,7,8-TCDF	1.22e5	0.73	NO	1.08	1.000	17.20	92.025	92.0	0.305
3	13C-1,2,3,4-TCDF	1.22e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.330
4	13C-1,2,3,4-TCDD	8.99e4	0.76	NO	1030	1.000	15.78	87.563	87.6	0.304

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

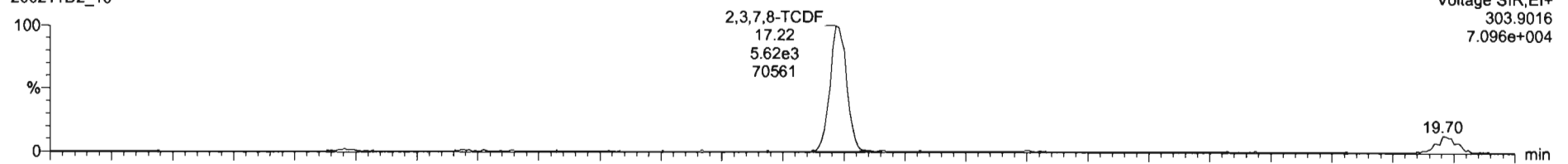
Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

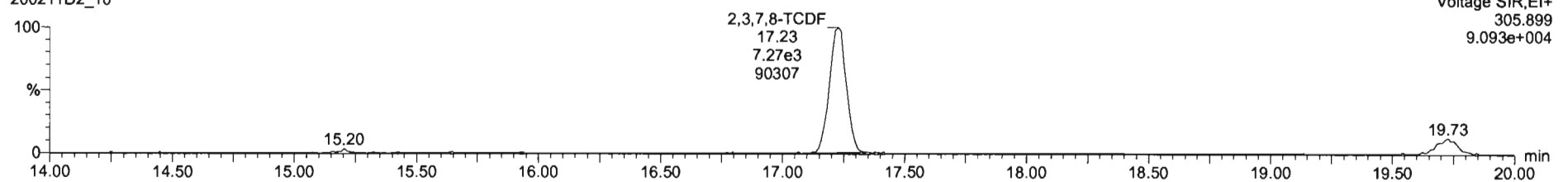
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDF

200211D2_10

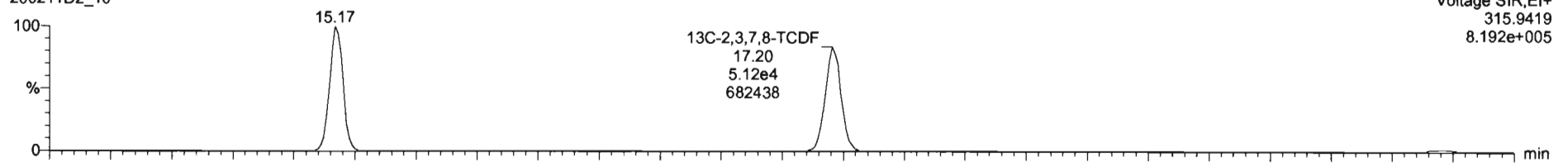


200211D2_10

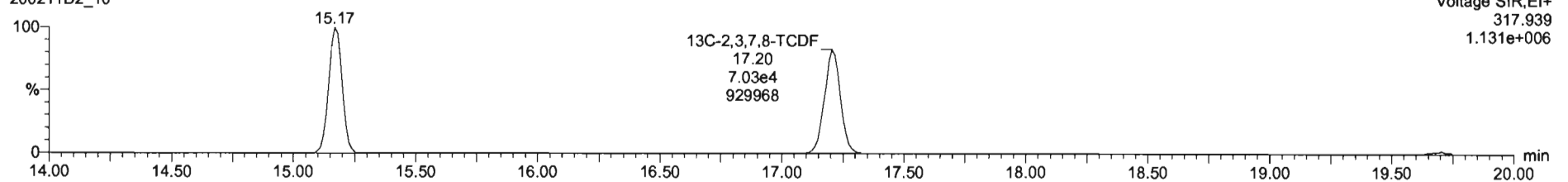


13C-2,3,7,8-TCDF

200211D2_10



200211D2_10



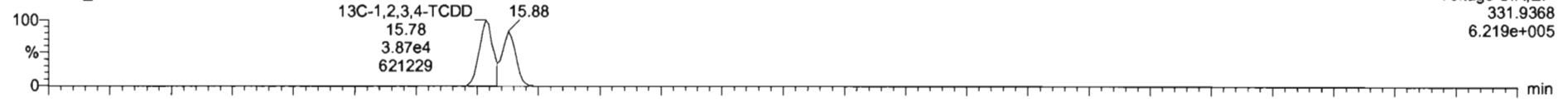
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

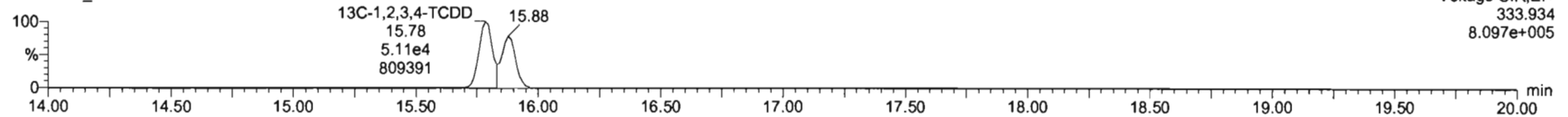
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200211D2_10

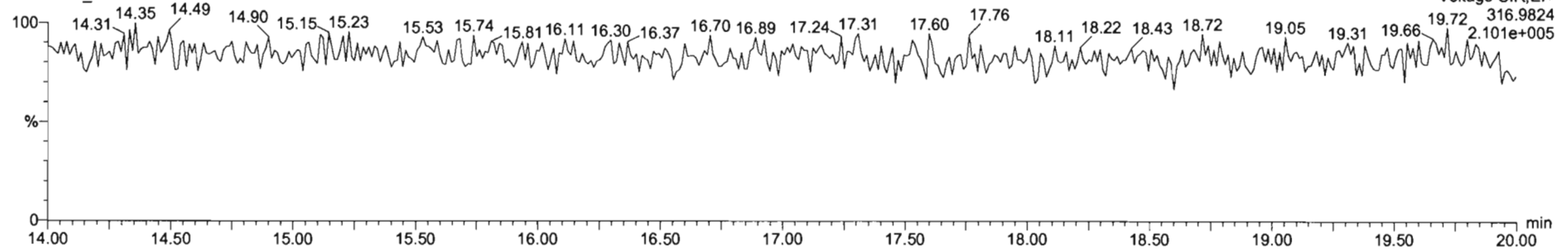


200211D2_10



PFK1

200211D2_10



DPE1

200211D2_10

